

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031920\
 Data File : BF119443.D
 Acq On : 19 Mar 2020 17:29
 Operator : CG/JU
 Sample : PB127678BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB127678BS

Manual Integrations
 APPROVED

mohammad
 3/20/2020 11:47:20 AM

Quant Time: Mar 19 19:12:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	399152	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1567416	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	816383	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	1512369	20.00	ng	0.00
76) Chrysene-d12	14.03	240	850732	20.00	ng	0.00
87) Perylene-d12	15.49	264	651639	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	2671319	106.54	ng	0.01
7) Phenol-d6	6.48	99	3453657	107.83	ng	0.00
23) Nitrobenzene-d5	7.42	82	1891334	65.58	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	923872	109.69	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	3507625	63.65	ng	0.00
79) Terphenyl-d14	12.97	244	3462666	79.74	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.68	88	419145	33.846	ng	100
3) Pyridine	3.42	79	998713	29.273	ng	97
4) n-Nitrosodimethylamine	3.37	42	633981	38.106	ng	99
6) Aniline	6.52	93	1284816	29.064	ng	98
8) 2-Chlorophenol	6.64	128	1102908	41.880	ng	99
9) Benzaldehyde	6.40	77	419945	20.668	ng	98
10) Phenol	6.49	94	1443617	42.240	ng	98
11) bis(2-Chloroethyl)ether	6.59	93	1117096	40.868	ng	96
12) 1,3-Dichlorobenzene	6.79	146	1142602	40.088	ng	99
13) 1,4-Dichlorobenzene	6.87	146	1152516	40.426	ng	99
14) 1,2-Dichlorobenzene	7.02	146	1083062	40.644	ng	99
15) Benzyl Alcohol	6.99	79	987331	40.979	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.13	45	2132774	38.683	ng	98
17) 2-Methylphenol	7.10	107	945639	39.192	ng	99
18) Hexachloroethane	7.37	117	444084	42.505	ng	96
19) n-Nitroso-di-n-propylamine	7.27	70	793286	41.090	ng	99
20) 3+4-Methylphenols	7.26	107	1130617	38.235	ng	# 86
22) Acetophenone	7.26	105	1483442	39.608	ng	96
24) Nitrobenzene	7.43	77	1178979	38.252	ng	99
25) Isophorone	7.68	82	2252795	38.507	ng	97
26) 2-Nitrophenol	7.75	139	568859	46.875	ng	98
27) 2,4-Dimethylphenol	7.79	122	1065372	42.456	ng	98
28) bis(2-Chloroethoxy)methane	7.89	93	1400033	40.469	ng	98
29) 2,4-Dichlorophenol	7.99	162	942024	40.857	ng	97
30) 1,2,4-Trichlorobenzene	8.08	180	1004621	39.399	ng	99
31) Naphthalene	8.16	128	3144327	38.982	ng	99
32) Benzoic acid	7.92	122	566836	35.117	ng	94
33) 4-Chloroaniline	8.20	127	840047	22.728	ng	97
34) Hexachlorobutadiene	8.28	225	564200	39.547	ng	99
35) Caprolactam	8.58	113	320077m	42.417	ng	
36) 4-Chloro-3-methylphenol	8.69	107	1004165	39.848	ng	98
37) 2-Methylnaphthalene	8.85	142	2134308	40.318	ng	98
38) 1-Methylnaphthalene	8.95	142	2028844	40.491	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	898459	37.547	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	970476	71.338	ng	99
43) 2,4,6-Trichlorophenol	9.13	196	702358	41.016	ng	99
44) 2,4,5-Trichlorophenol	9.17	196	696062	36.286	ng	97
46) 1,1'-Biphenyl	9.32	154	2531401	38.072	ng	99
47) 2-Chloronaphthalene	9.35	162	1977650	37.971	ng	98
48) 2-Nitroaniline	9.43	65	709520	39.468	ng	99
49) Acenaphthylene	9.76	152	3082770	37.692	ng	99
50) Dimethylphthalate	9.62	163	2264364	39.049	ng	99
51) 2,6-Dinitrotoluene	9.68	165	498727	40.125	ng	91
52) Acenaphthene	9.93	154	2025879	39.732	ng	99
53) 3-Nitroaniline	9.85	138	411136	26.201	ng	99
54) 2,4-Dinitrophenol	9.95	184	360610	68.227	ng	94
55) Dibenzofuran	10.10	168	2788074	38.139	ng	98
56) 4-Nitrophenol	10.01	139	954208	77.084	ng	95
57) 2,4-Dinitrotoluene	10.09	165	638934	40.806	ng	98
58) Fluorene	10.45	166	2034781	37.640	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.22	232	590356	41.172	ng	99
60) Diethylphthalate	10.32	149	2331490	39.615	ng	99
61) 4-Chlorophenyl-phenylether	10.44	204	995730	37.666	ng	100
62) 4-Nitroaniline	10.47	138	525624	34.931	ng	96
63) Azobenzene	10.60	77	2260243	38.137	ng	94
65) 4,6-Dinitro-2-methylphenol	10.49	198	270841	42.707	ng	97
66) n-Nitrosodiphenylamine	10.56	169	1946799	39.211	ng	99
67) 4-Bromophenyl-phenylether	10.93	248	668437	38.809	ng	93
68) Hexachlorobenzene	11.00	284	711036	40.335	ng	94
69) Atrazine	11.09	200	599517	44.046	ng	99
70) Pentachlorophenol	11.19	266	761056	73.628	ng	99
71) Phenanthrene	11.41	178	2983799	38.049	ng	99
72) Anthracene	11.46	178	3032339	38.046	ng	99
73) Carbazole	11.62	167	2821947	35.771	ng	98
74) Di-n-butylphthalate	11.95	149	3388549	40.153	ng	97
75) Fluoranthene	12.60	202	3143041	37.034	ng	99
77) Benzidine	12.72	184	572104	15.890	ng	98
78) Pyrene	12.83	202	3145374	45.051	ng	99
80) Butylbenzylphthalate	13.45	149	1320571	46.765	ng	99
81) Benzo(a)anthracene	14.02	228	2212562	39.994	ng	99
82) 3,3'-Dichlorobenzidine	13.98	252	728723	33.408	ng	99
83) Chrysene	14.06	228	2279868	39.932	ng	99
84) Bis(2-ethylhexyl)phthalate	14.02	149	1645752	48.889	ng	100
85) Di-n-octyl phthalate	14.63	149	2592048	43.782	ng	99
86) Indeno(1,2,3-cd)pyrene	16.96	276	2135079	39.706	ng	99
88) Benzo(b)fluoranthene	15.07	252	1910654	43.893	ng	98
89) Benzo(k)fluoranthene	15.10	252	1785421	43.075	ng	99
90) Benzo(a)pyrene	15.43	252	1650283	41.717	ng	98
91) Dibenzo(a,h)anthracene	16.99	278	1745368	50.443	ng	99
92) Benzo(g,h,i)perylene	17.42	276	1909643	54.936	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

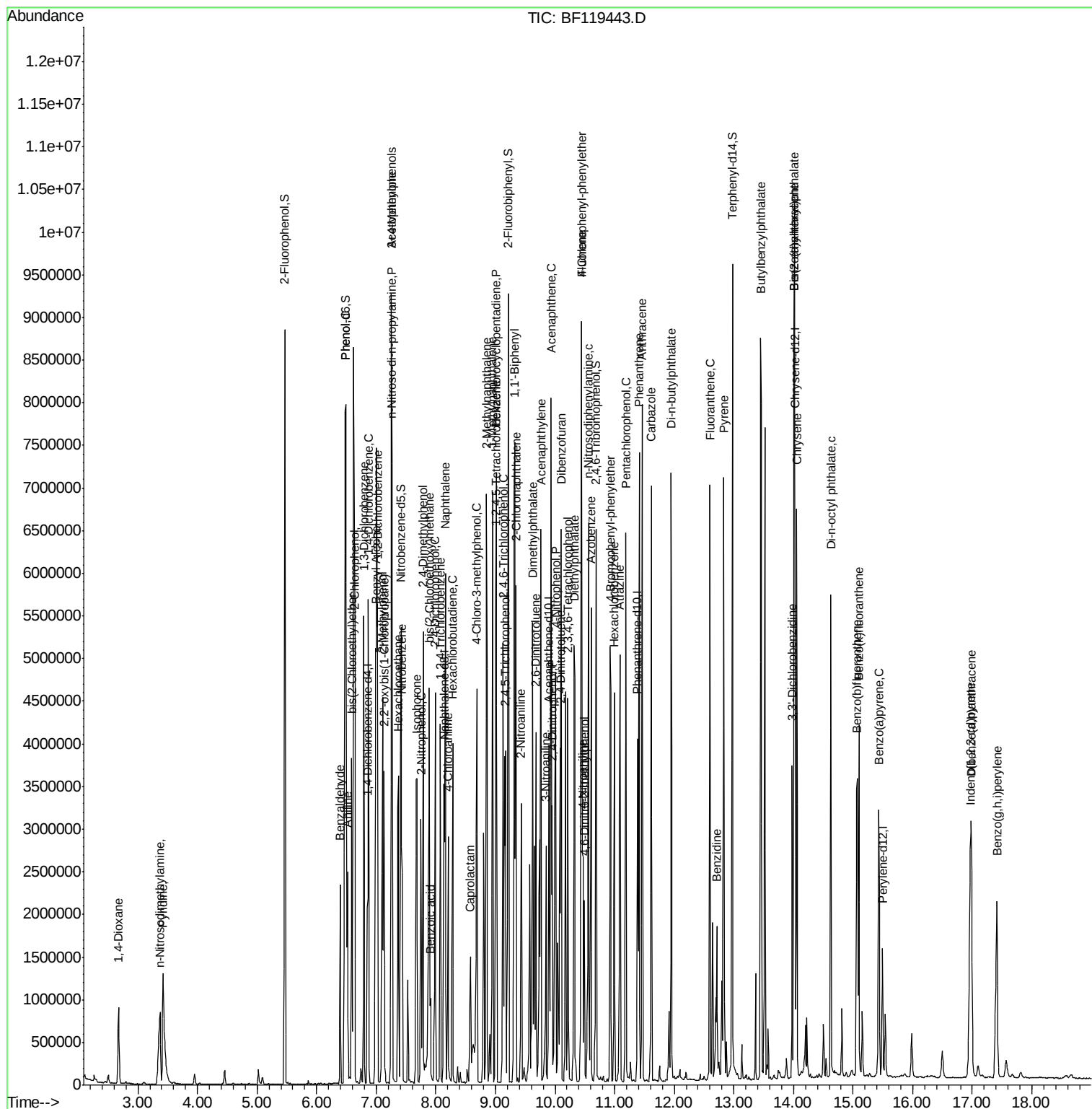
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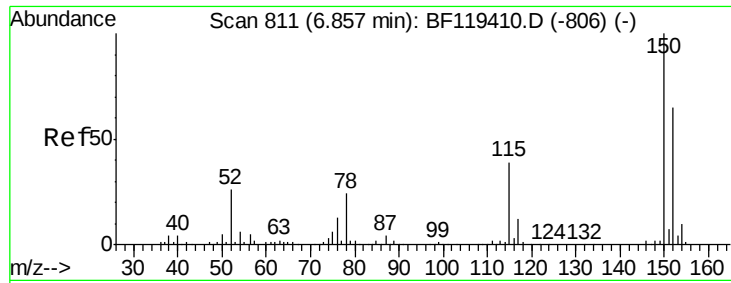
Instrument :
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#1

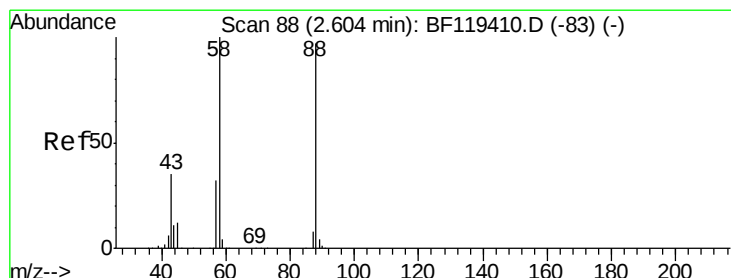
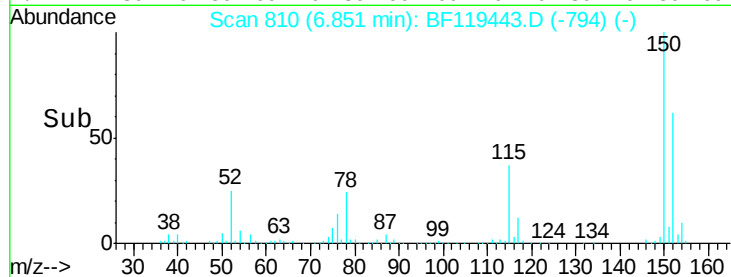
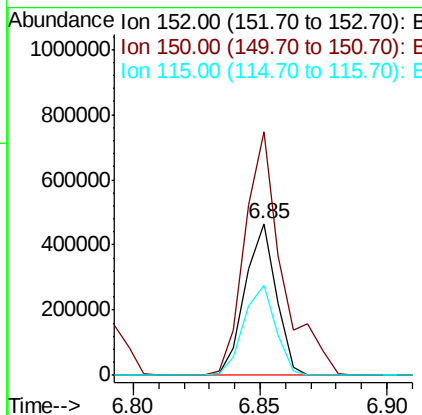
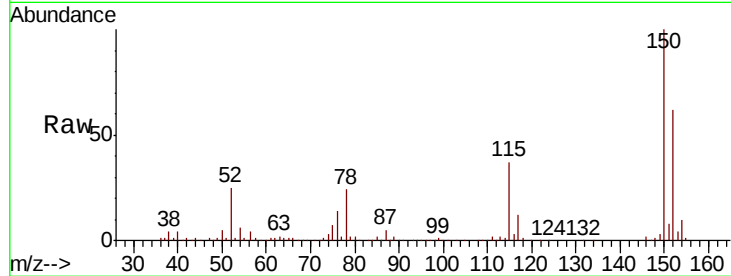
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	123.9	185.9
115	59.2	47.8	71.6

Manual Integrations
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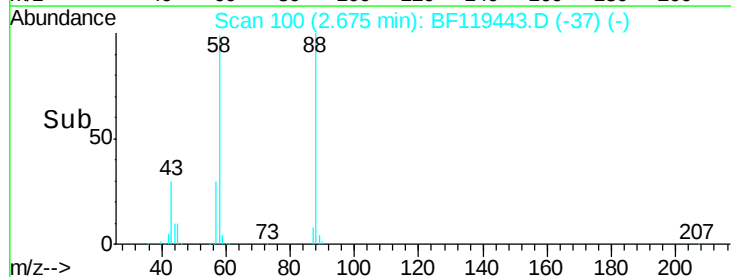
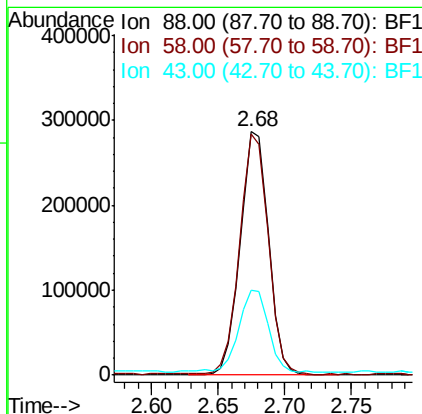
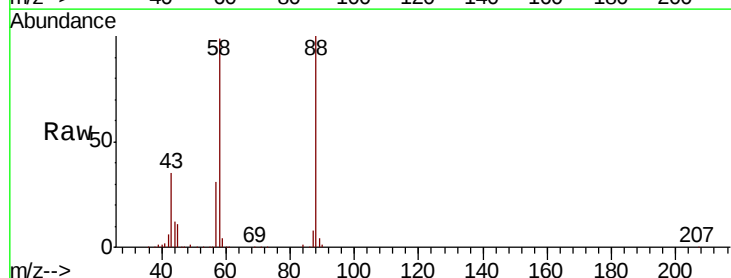
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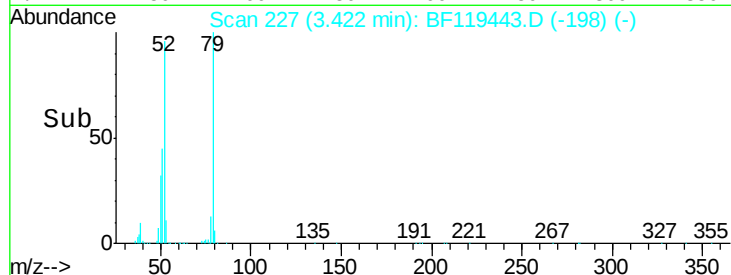
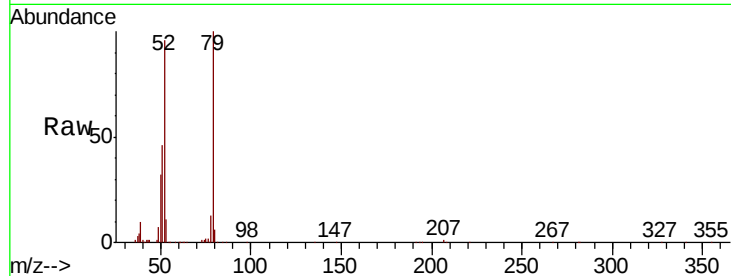
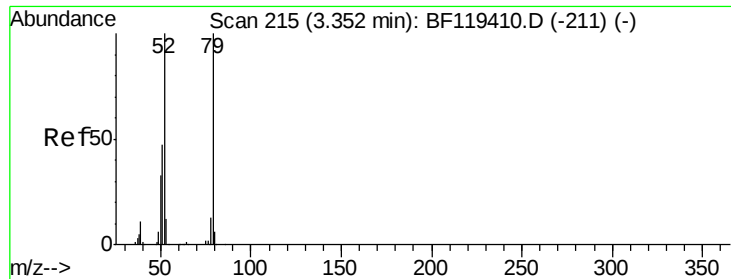


#2

1,4-Dioxane
Concen: 33.846 ng
RT: 2.68 min Scan# 100
Delta R.T. 0.07 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Lower	Upper
88	100		
58	99.5	79.4	119.2
43	36.2	28.4	42.6





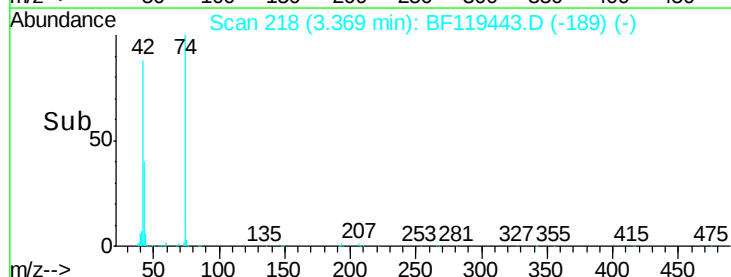
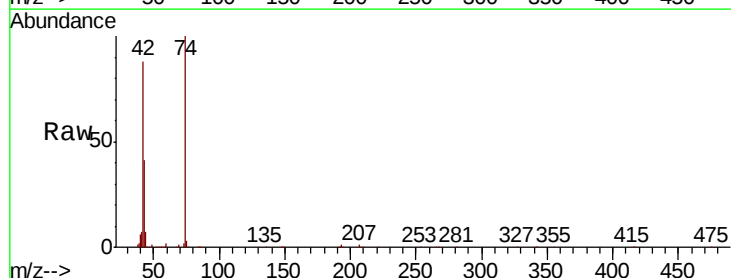
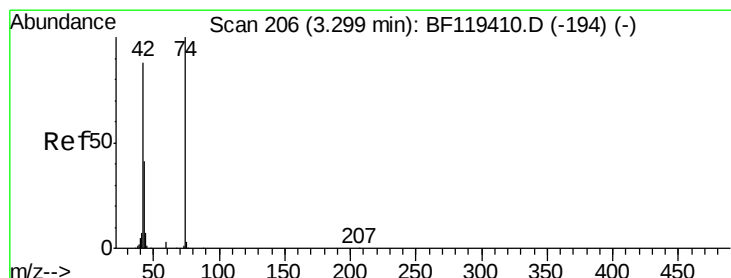
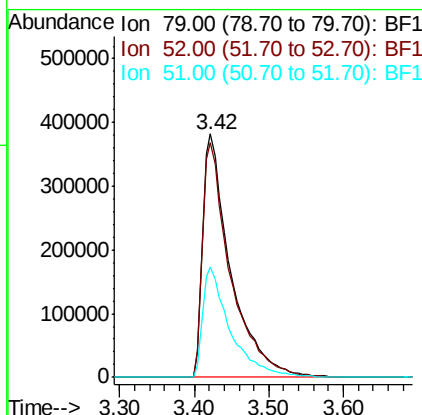
#3
Pvridine
Concen: 29.273 ng
RT: 3.42 min Scan# 227
Delta R.T. 0.07 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
52	96.4	80.0	120.0	
51	45.6	37.9	56.9	

Instrument :
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ClientSampleId :
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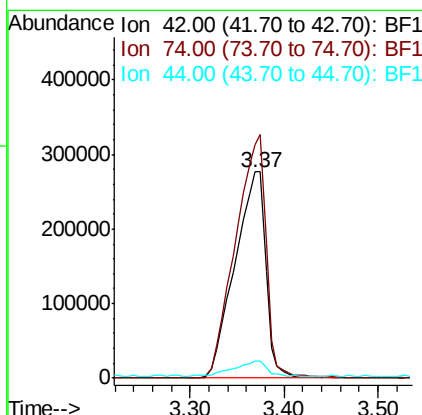
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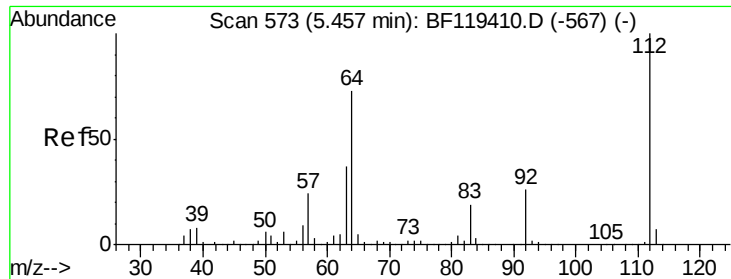
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#4
n-Nitrosodimethylamine
Concen: 38.106 ng
RT: 3.37 min Scan# 218
Delta R.T. 0.07 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
42	100			
74	113.4	91.3	136.9	
44	8.0	7.1	10.7	





#5

2-Fluorophenol

Concen: 106.538 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.01 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

Instrument :

BNA_F

ClientSampleId :

PB127678BS

Tot Ion: 112 Resp: 2671319

Ion Ratio Lower Upper

112 100

64 73.2 58.1 87.1

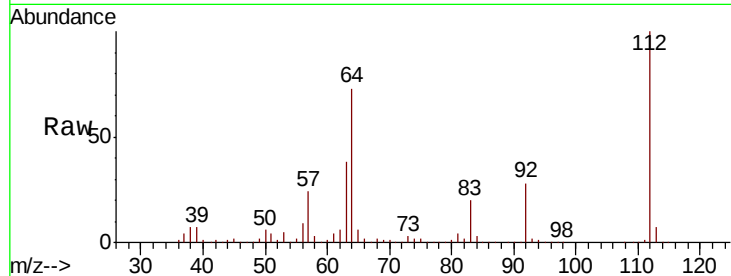
63 38.0 29.7 44.5

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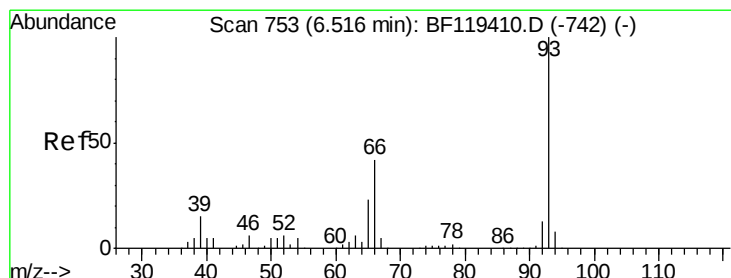
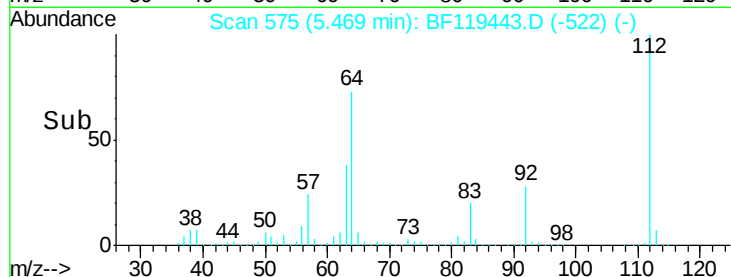
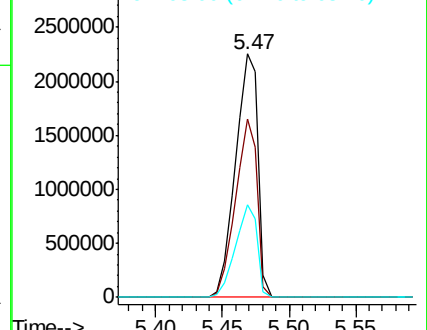
3/20/2020 11:47:20 AM



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 29.064 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

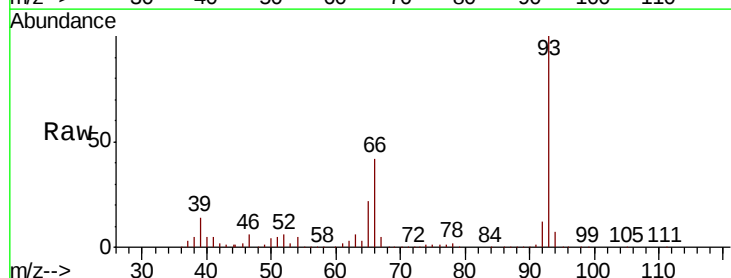
Tgt Ion: 93 Resp: 1284816

Ion Ratio Lower Upper

93 100

66 41.8 34.2 51.4

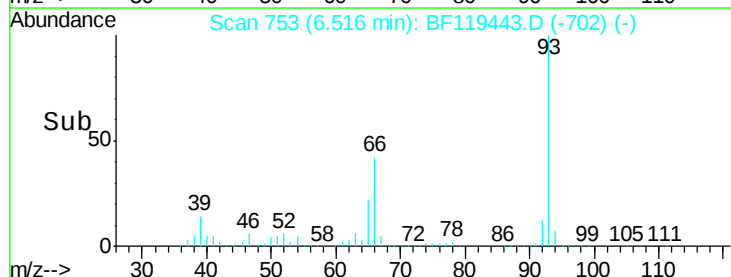
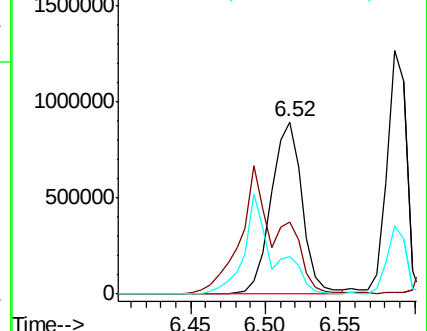
65 21.8 18.2 27.4

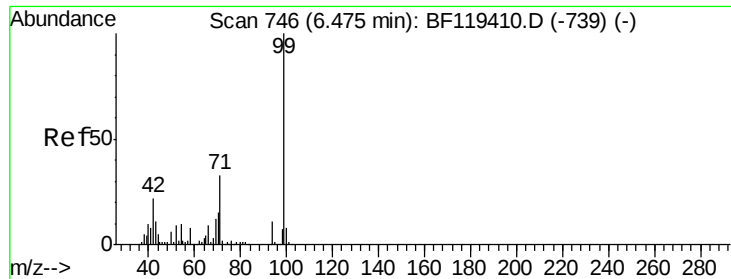


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 107.825 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF119443.D

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Instrument :

BNA_F

ClientSampleId :

PB127678BS

Tot Ion: 99 Resp: 3453657

Ion Ratio Lower Upper

99 100

42 22.0 17.8 26.6

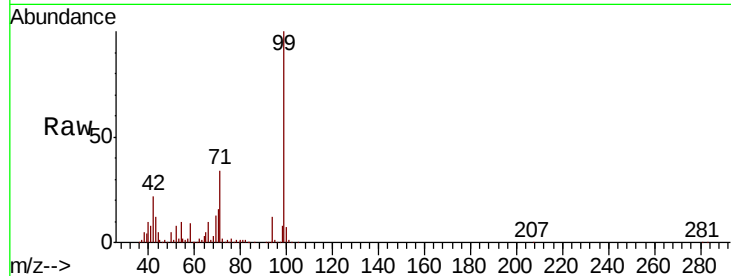
71 34.3 26.0 39.0

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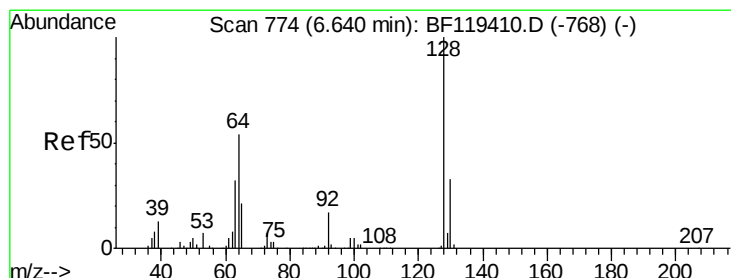
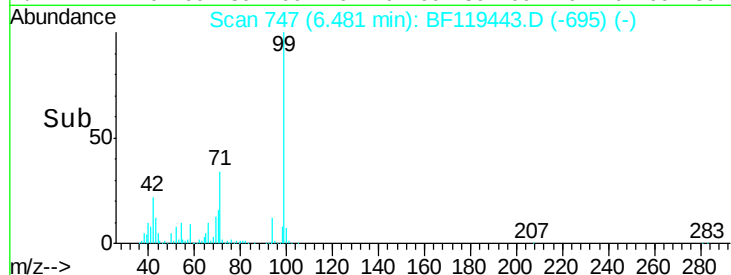
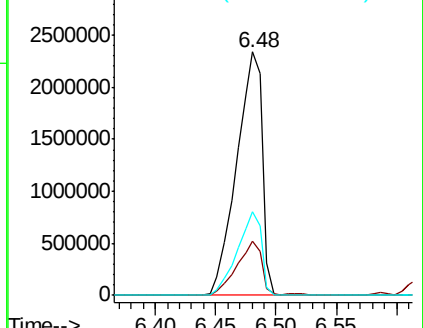
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 41.880 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.00 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

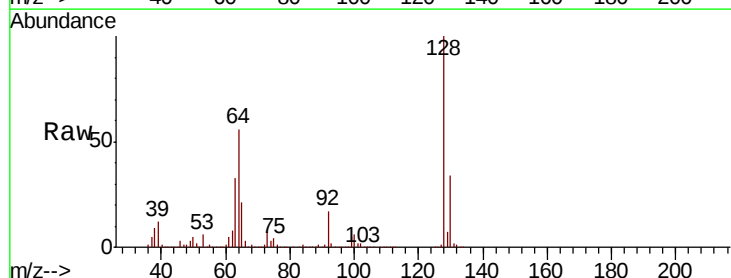
Tgt Ion:128 Resp: 1102908

Ion Ratio Lower Upper

128 100

130 33.8 13.0 53.0

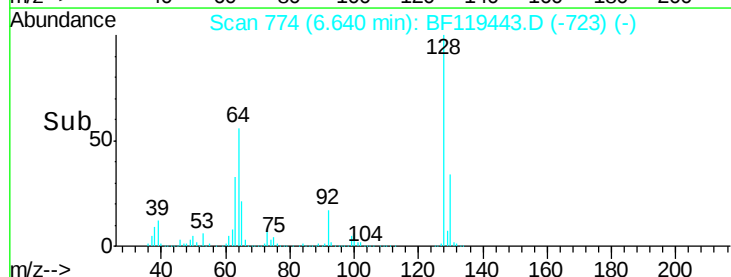
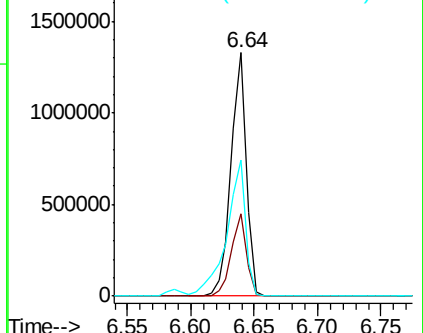
64 55.8 35.1 75.1

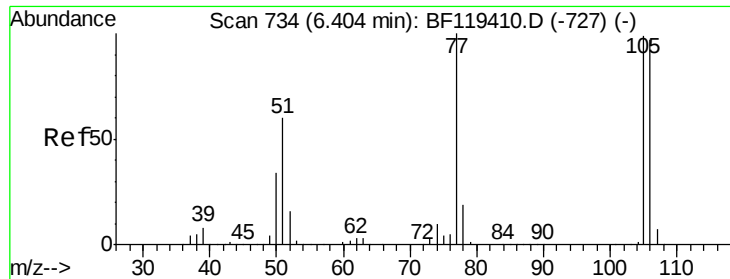


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 20.668 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119443.D

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Instrument :

BNA_F

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Tot Ion: 77 Resp: 419945

Ion Ratio Lower Upper

77 100

105 100.9 78.6 118.6

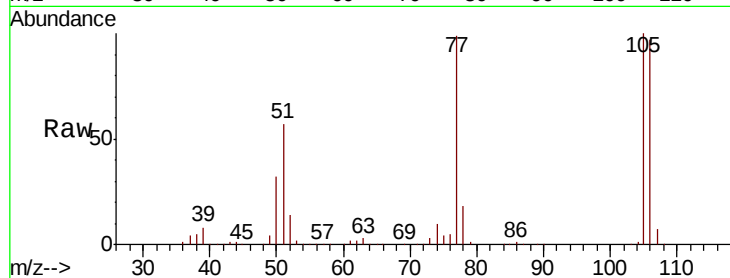
106 97.6 76.5 116.5

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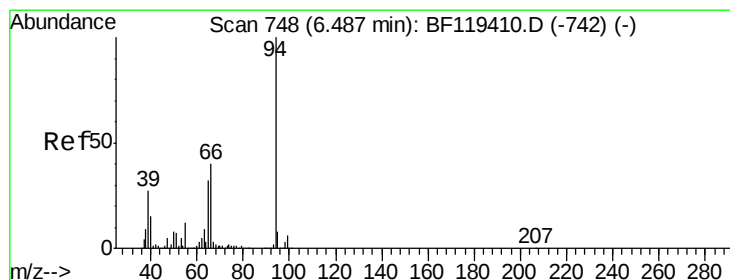
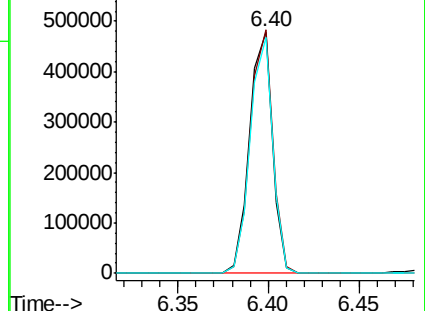
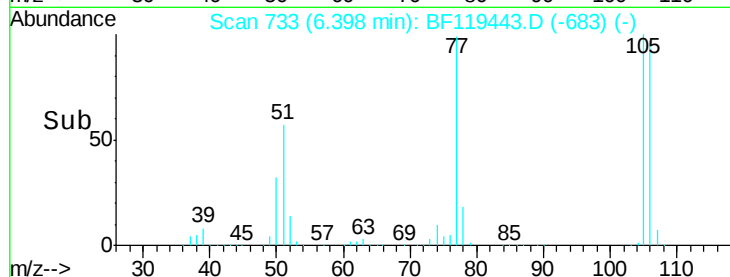
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Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 42.240 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

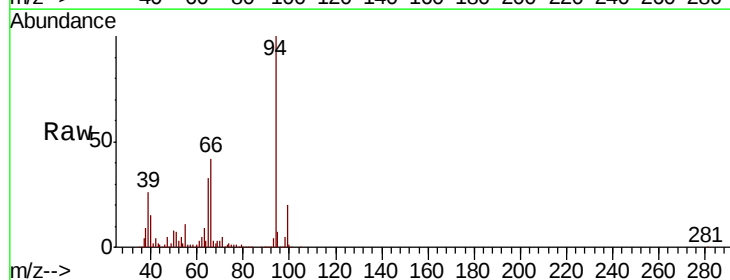
Tgt Ion: 94 Resp: 1443617

Ion Ratio Lower Upper

94 100

65 32.8 12.0 52.0

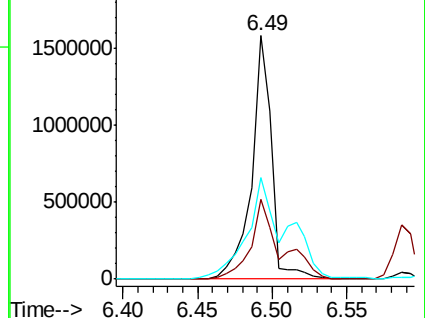
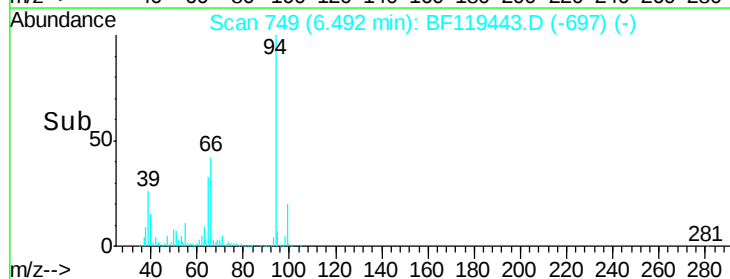
66 41.9 20.6 60.6

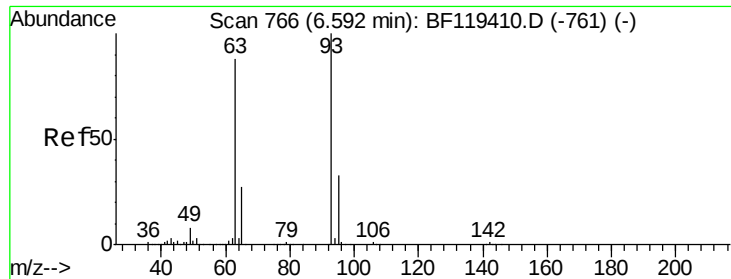


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





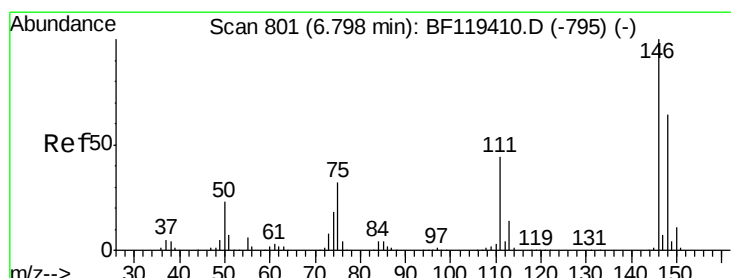
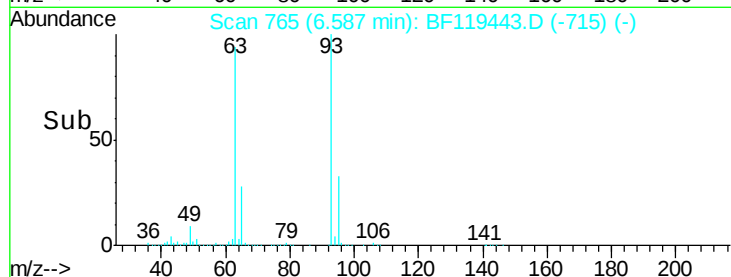
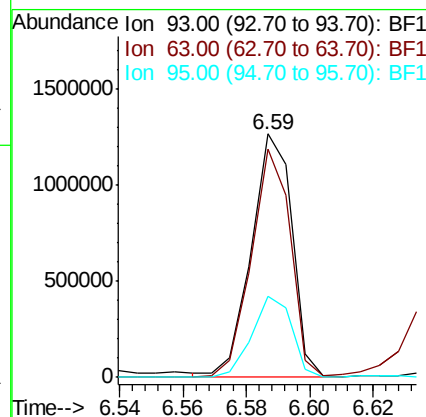
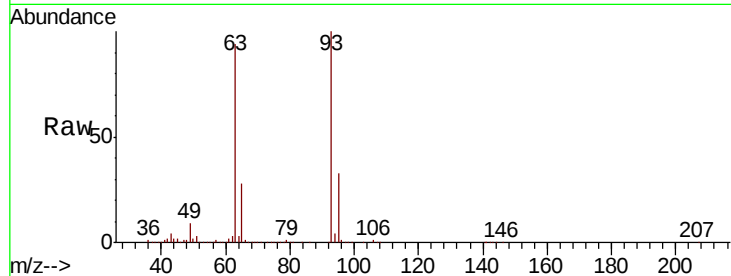
#11
bis(2-Chloroethyl)ether
Concen: 40.868 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

Tot Ion: 93 Resp: 1117096
Ion Ratio Lower Upper
93 100
63 94.0 68.4 108.4
95 33.2 13.4 53.4

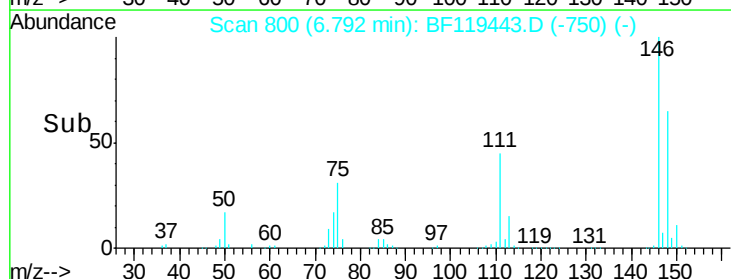
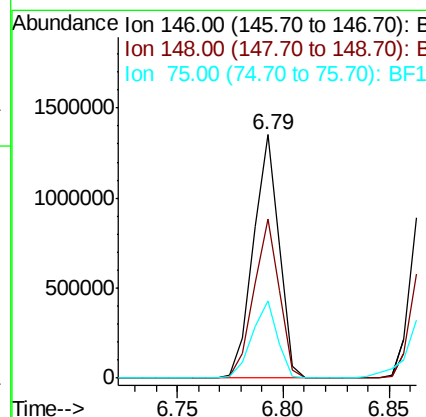
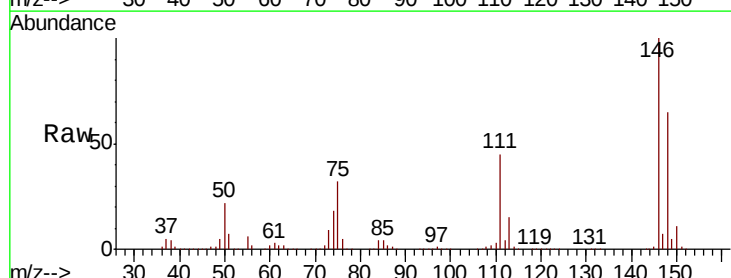
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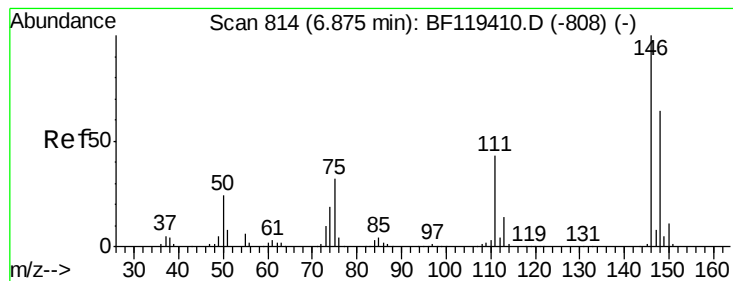
mohammad
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#12
1,3-Dichlorobenzene
Concen: 40.088 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion: 146 Resp: 1142602
Ion Ratio Lower Upper
146 100
148 65.4 51.4 77.0
75 32.0 25.8 38.8





#13

1,4-Dichlorobenzene

Concen: 40.426 ng

RT: 6.87 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

Instrument :

BNA_F

ClientSampleId :

PB127678BS

Tot Ion:146 Resp: 1152516

Ion Ratio Lower Upper

146 100

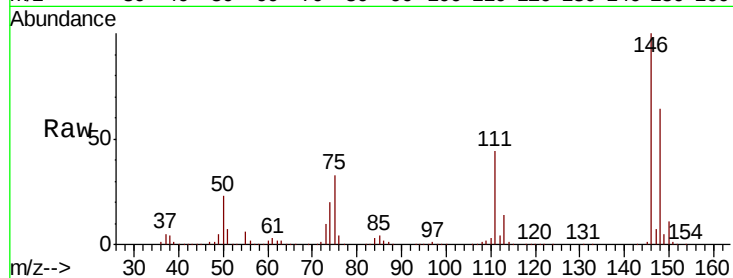
148 64.2 50.9 76.3

111 43.7 34.6 52.0

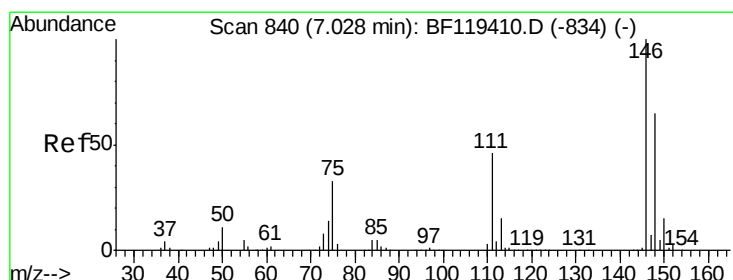
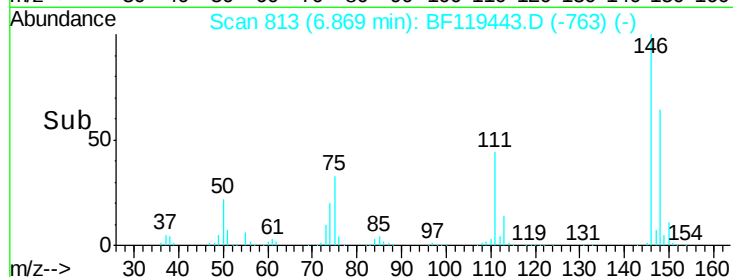
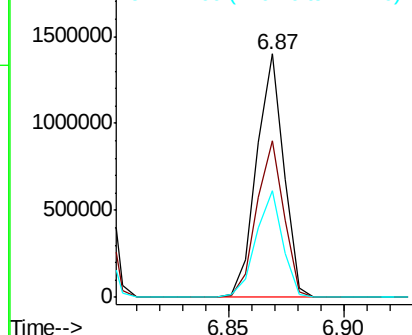
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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 40.644 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

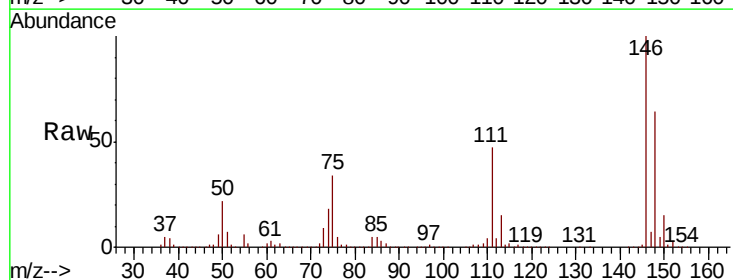
Tgt Ion:146 Resp: 1083062

Ion Ratio Lower Upper

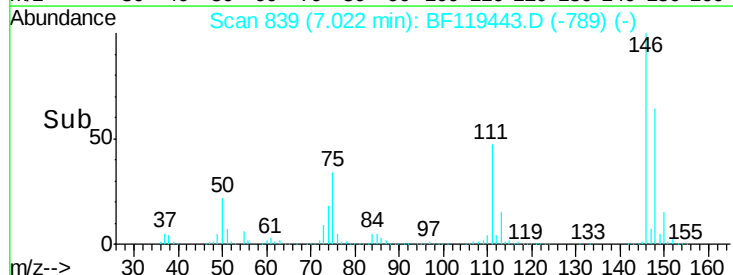
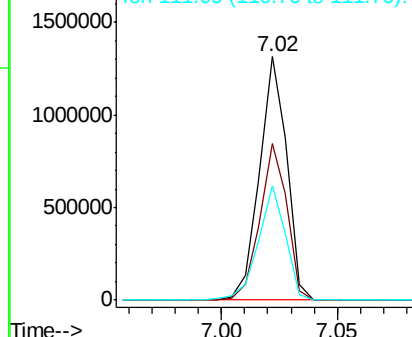
146 100

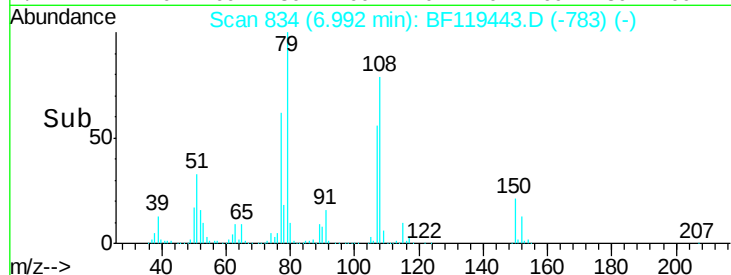
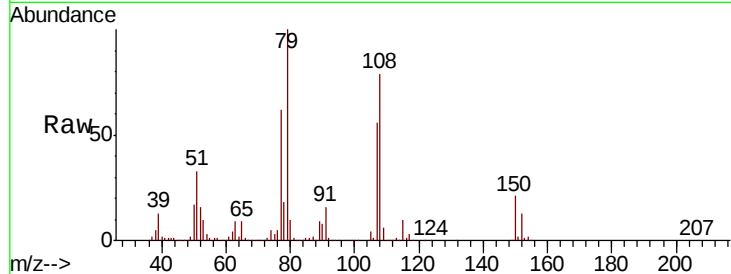
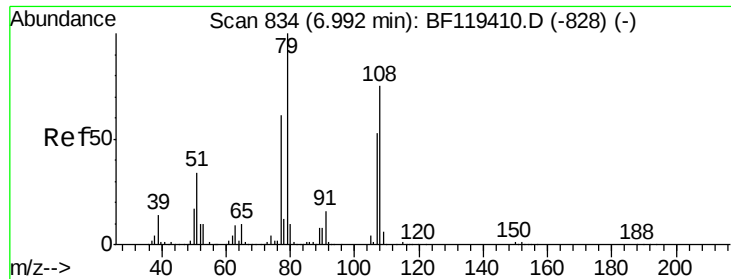
148 64.4 51.7 77.5

111 47.0 36.4 54.6



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 40.979 ng

RT: 6.99 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

Tot Ion:	79	Resp:	987331
Ion Ratio	Lower	Upper	
79	100		
108	79.0	60.4	90.6
77	61.6	49.0	73.4

Instrument :

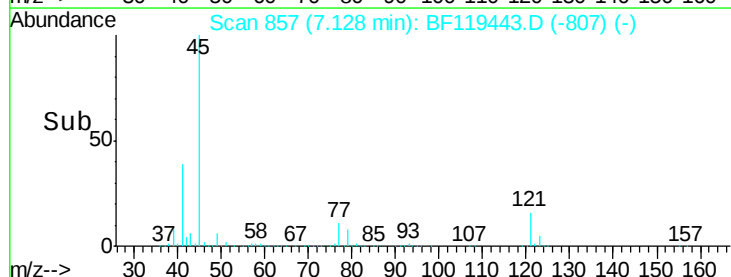
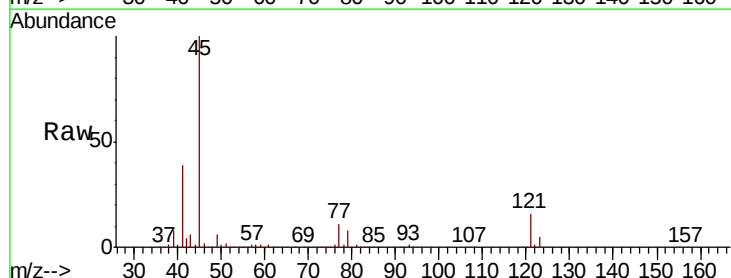
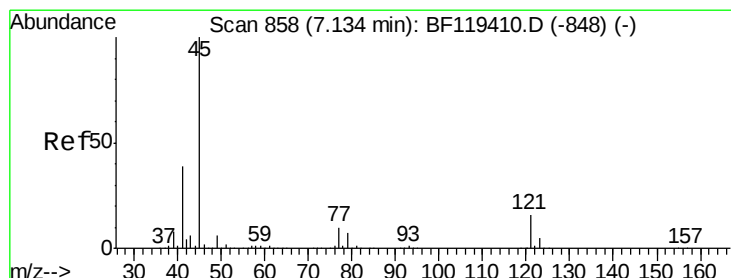
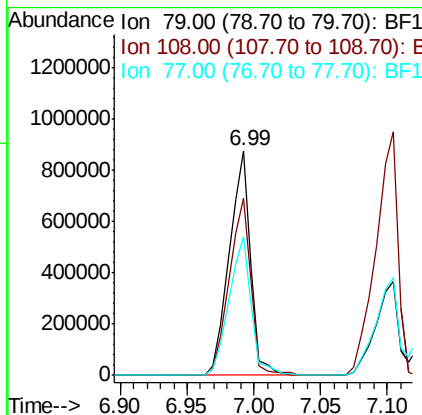
BNA_F

ClientSampleId :

PB127678BS

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.683 ng

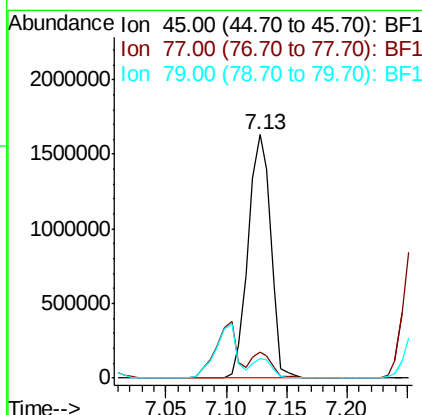
RT: 7.13 min Scan# 857

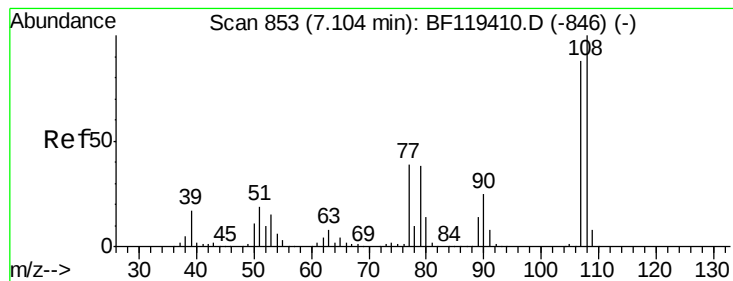
Delta R.T. -0.01 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

Tgt Ion:	45	Resp:	2132774
Ion Ratio	Lower	Upper	
45	100		
77	10.6	0.0	30.1
79	8.0	0.0	27.4





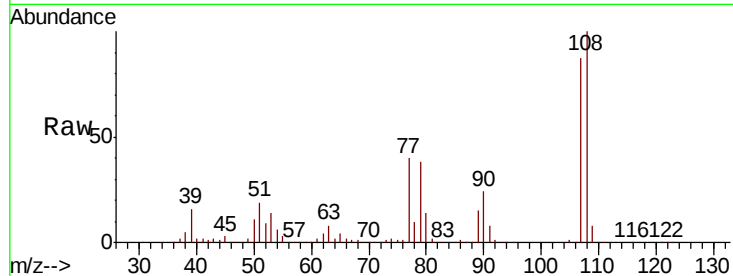
#17
2-Methylphenol
Concen: 39.192 ng
RT: 7.10 min Scan# 853
Delta R.T. 0.00 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

Tot Ion:	107	Resp:	945639
Ion Ratio	Lower	Upper	
107	100		
108	114.7	90.7	136.1
77	45.8	35.6	53.4
79	44.1	34.7	52.1

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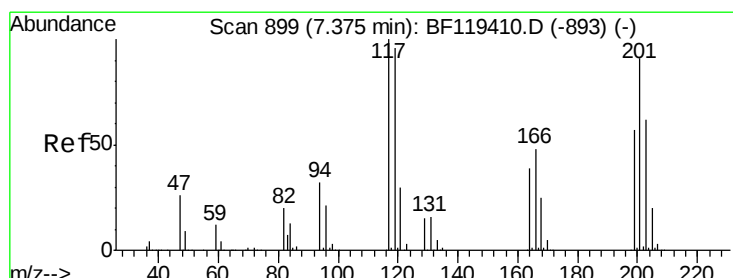
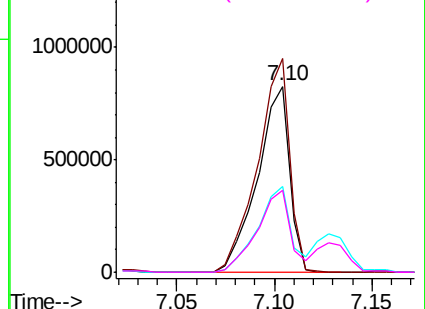
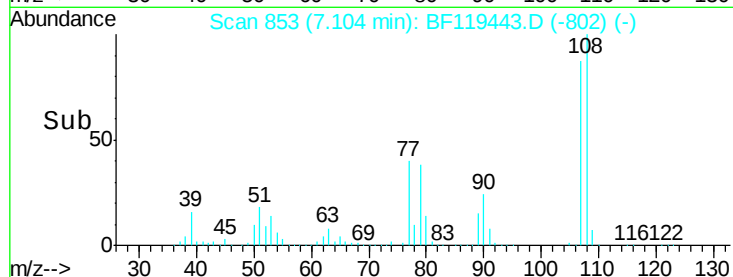
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

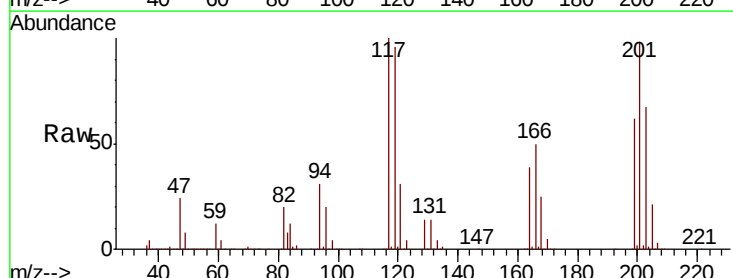
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 42.505 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion:	117	Resp:	444084
Ion Ratio	Lower	Upper	
117	100		
119	95.5	76.8	115.2
201	98.3	72.5	108.7

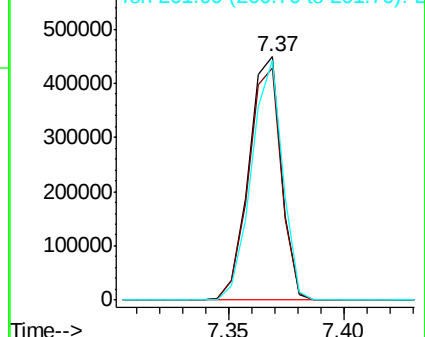
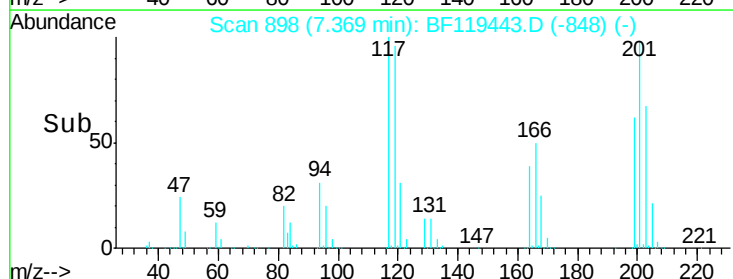


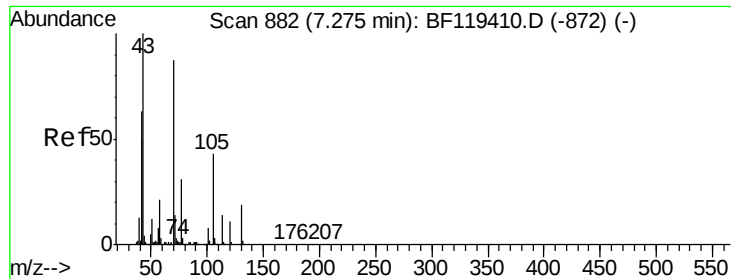
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





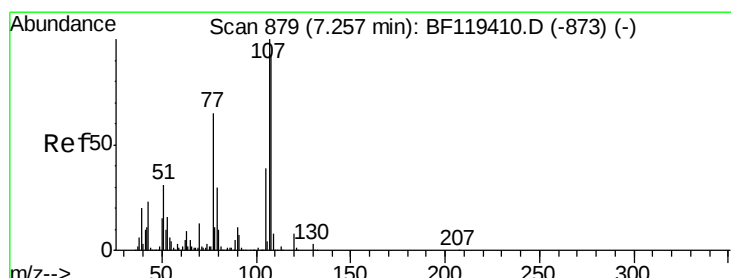
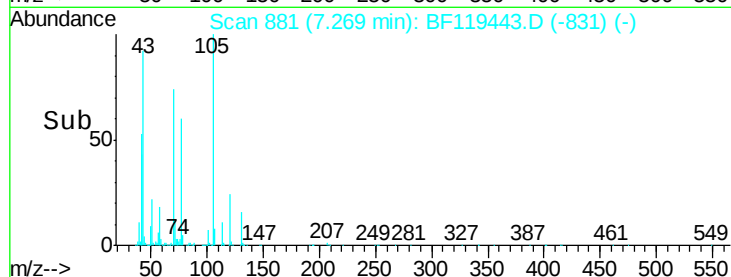
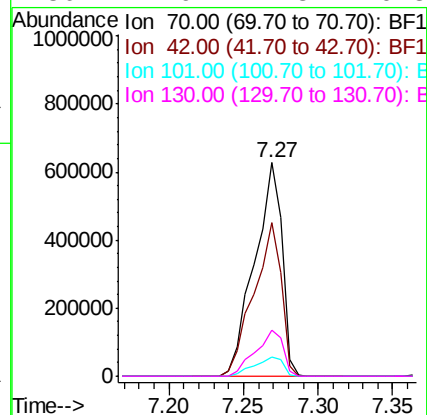
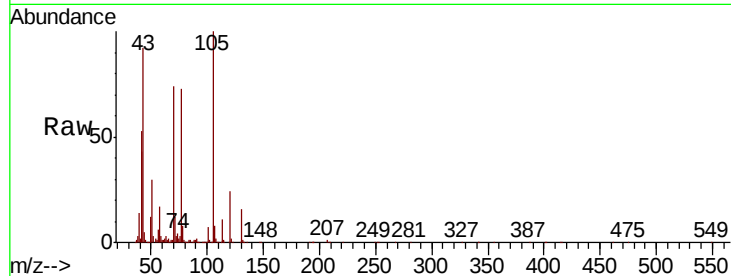
#19
n-Nitroso-di-n-propylamine
Concen: 41.090 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	71.9	58.2	87.4
101	9.0	7.4	11.2
130	21.9	17.8	26.8

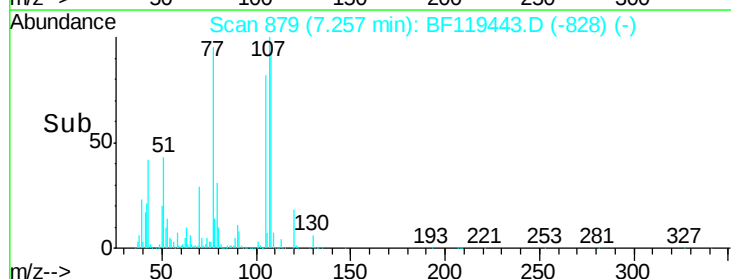
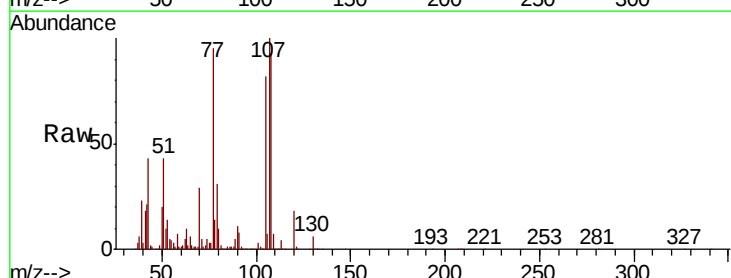
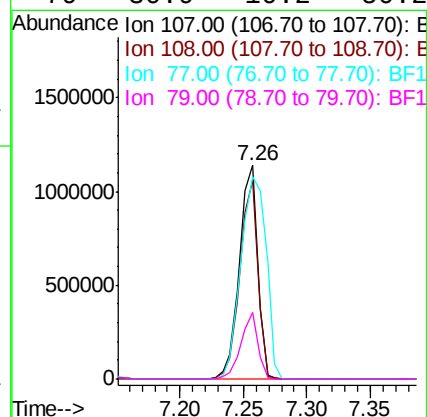
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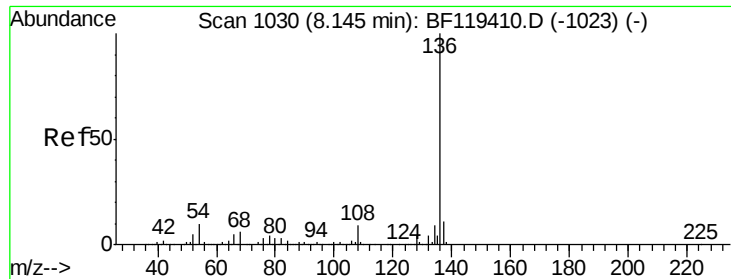
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#20
3+4-Methylphenols
Concen: 38.235 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Lower	Upper
107	100		
108	93.0	72.6	112.6
77	94.6	44.7	84.7#
79	30.9	10.2	50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

Instrument :

BNA_F

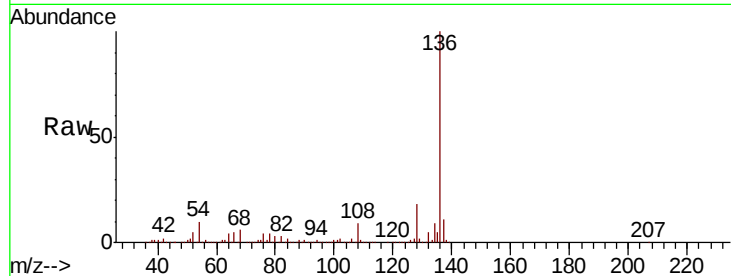
ClientSampleId :

PB127678BS

Tot Ion	136	Resp	1567416
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	10.3	8.3	12.5
68	5.8	4.9	7.3

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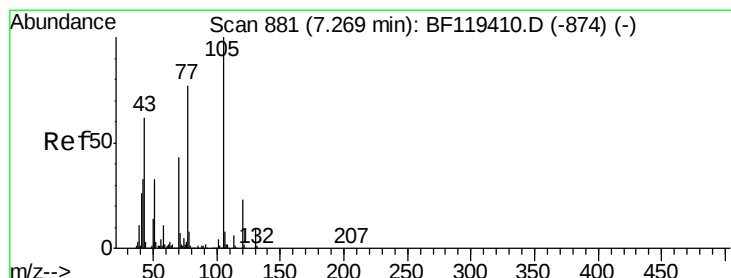
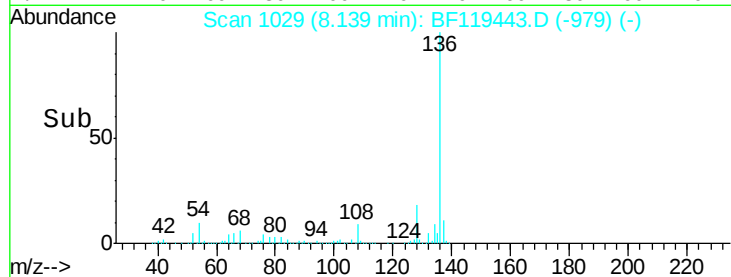
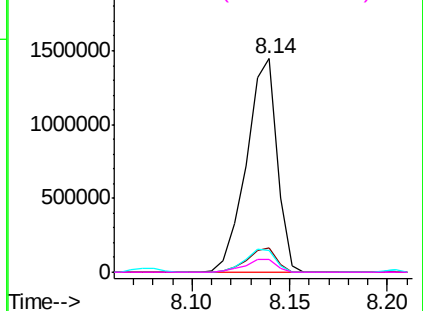
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 39.608 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

Tgt Ion	105	Resp	1483442
Ion	Ratio	Lower	Upper
105	100		
71	6.5	5.8	8.6
51	37.7	26.8	40.2
120	22.1	18.0	27.0

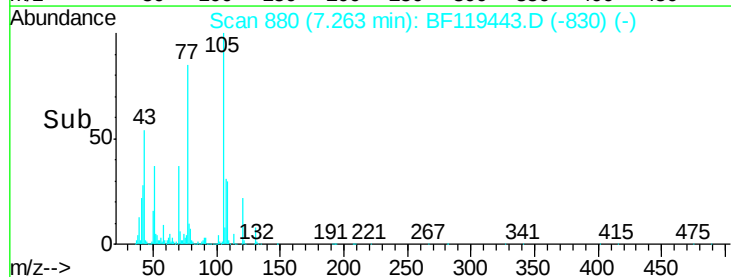
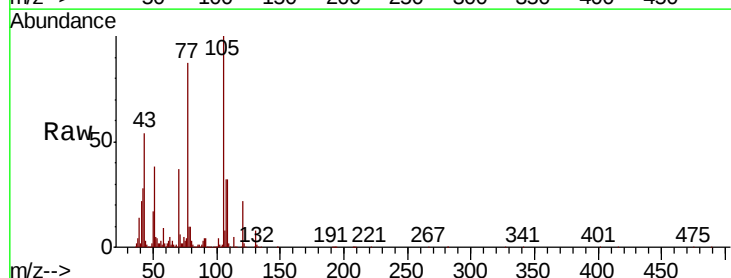
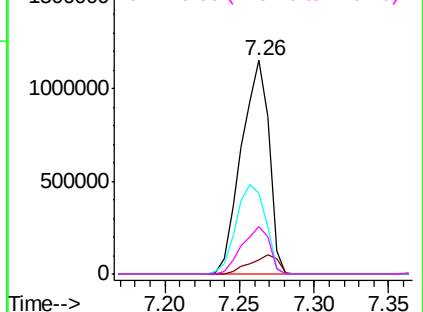
Abundance

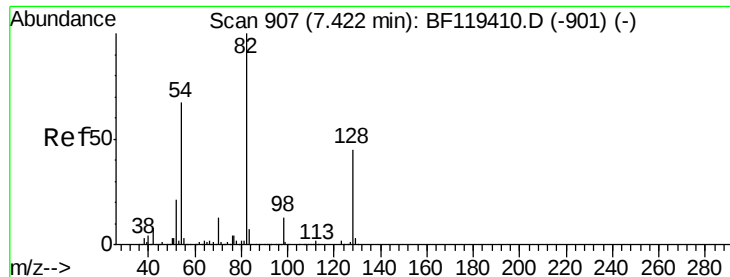
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





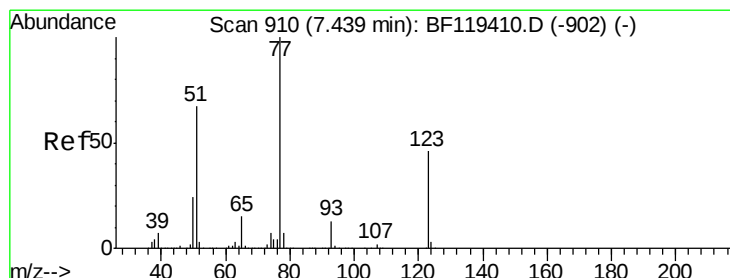
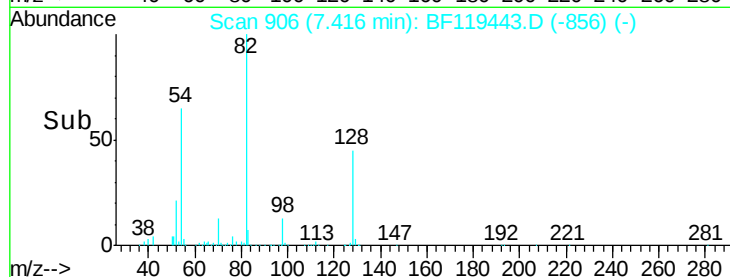
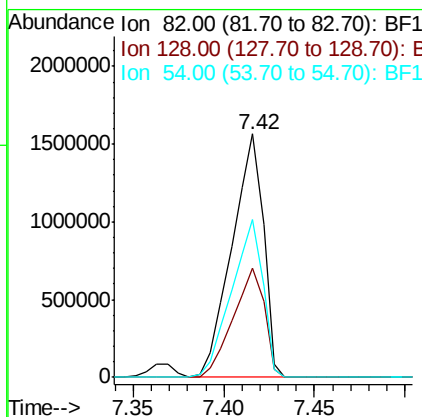
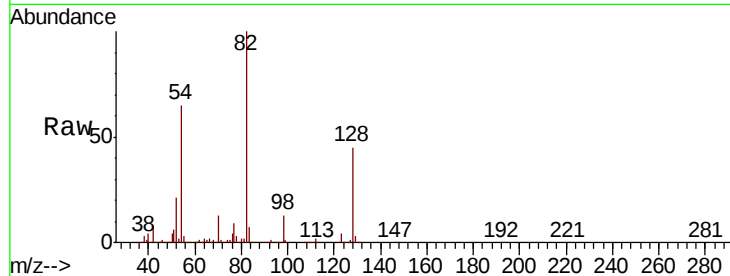
#23
Nitrobenzene-d5
Concen: 65.579 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

Tot Ion: 82 Resp: 1891334
Ion Ratio Lower Upper
82 100
128 45.0 35.8 53.8
54 64.8 53.4 80.0

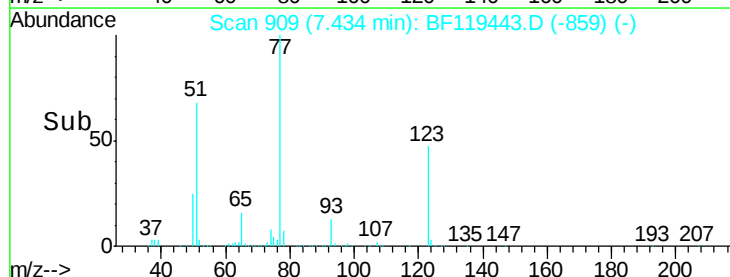
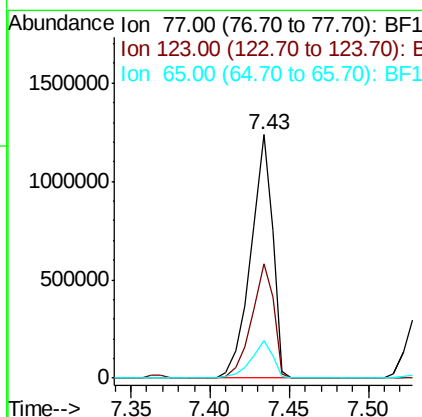
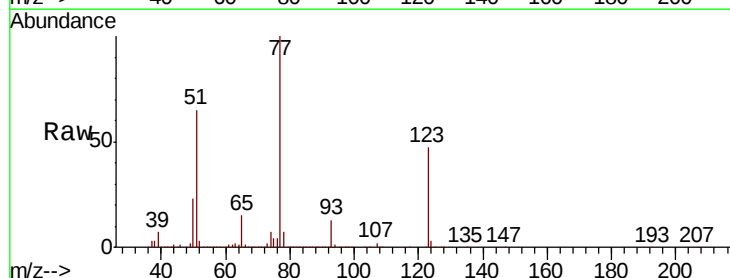
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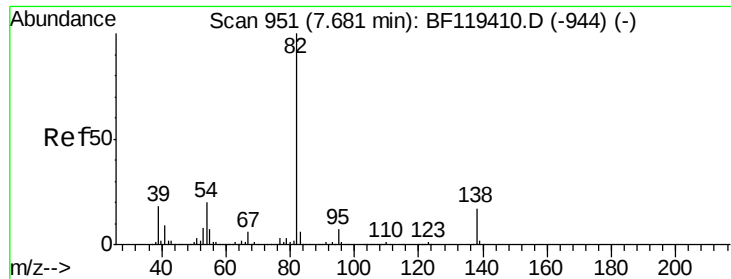
mohammad
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#24
Nitrobenzene
Concen: 38.252 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion: 77 Resp: 1178979
Ion Ratio Lower Upper
77 100
123 47.1 36.9 55.3
65 15.4 12.2 18.4





#25

Isophorone

Concen: 38.507 ng

RT: 7.68 min Scan# 951

Delta R.T. 0.00 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

Instrument :

BNA_F

ClientSampleId :

PB127678BS

Tot Ion: 82 Resp: 2252795

Ion Ratio Lower Upper

82 100

95 7.2 5.4 8.2

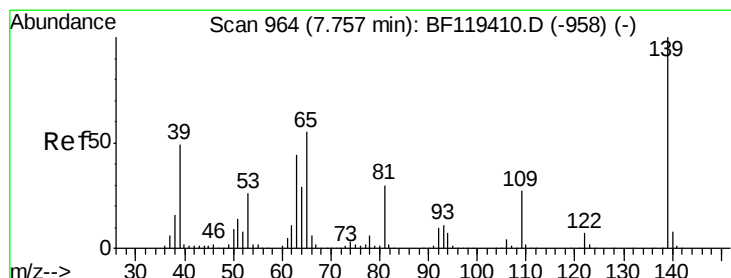
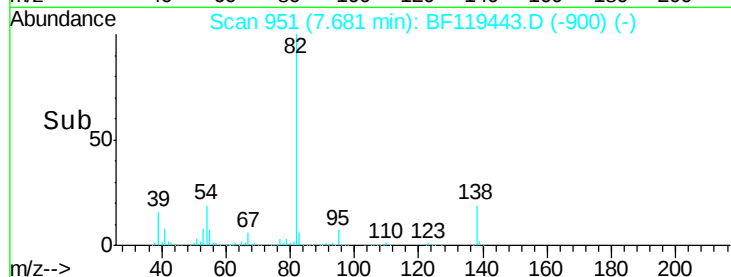
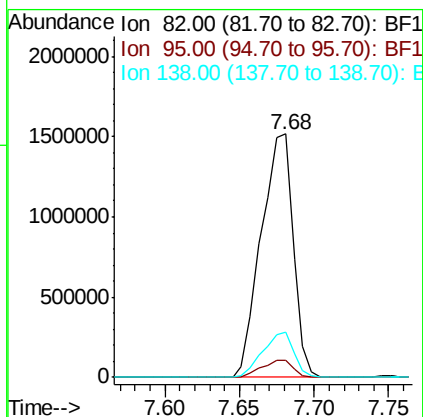
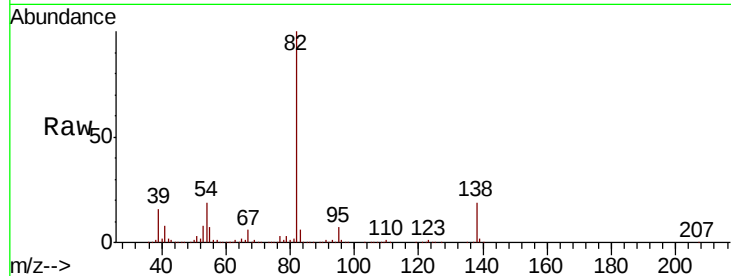
138 18.8 13.8 20.8

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#26

2-Nitrophenol

Concen: 46.875 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

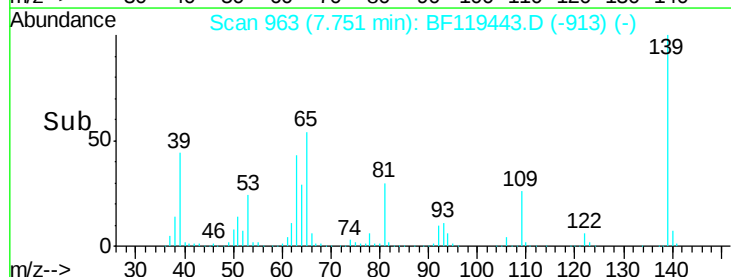
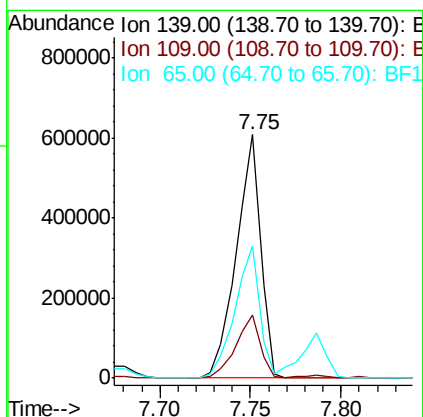
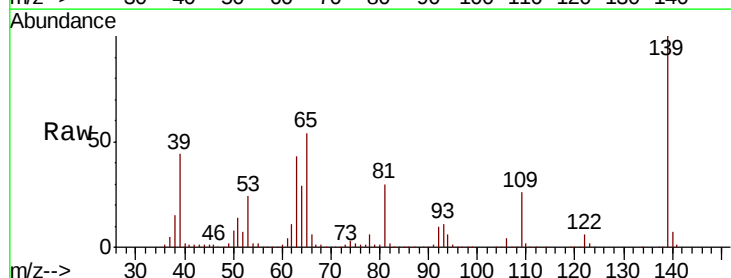
Tgt Ion: 139 Resp: 568859

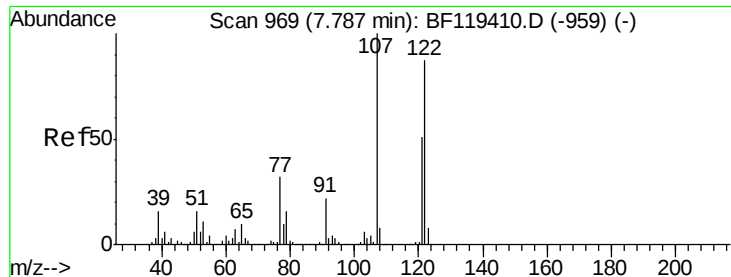
Ion Ratio Lower Upper

139 100

109 25.8 21.7 32.5

65 54.1 43.9 65.9





#27

2,4-Dimethylphenol

Concen: 42.456 ng

RT: 7.79 min Scan# 969

Delta R.T. 0.00 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

Instrument :

BNA_F

ClientSampled :

PB127678BS

Tot Ion:122 Resp: 1065372

Ion Ratio Lower Upper

122 100

107 112.1 91.8 137.6

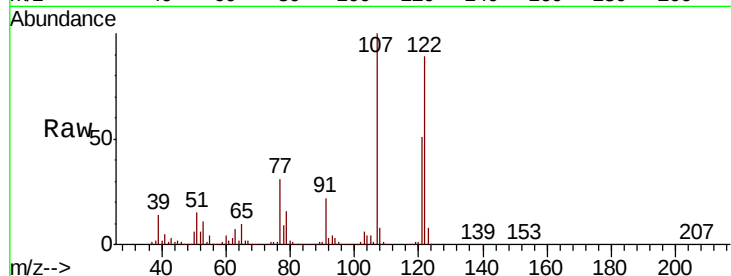
121 57.6 46.5 69.7

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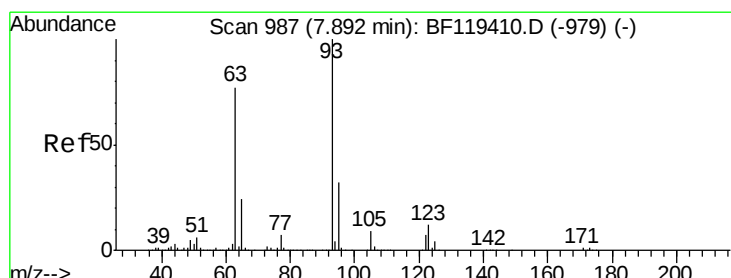
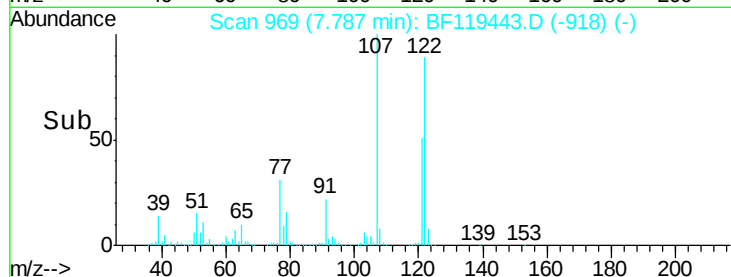
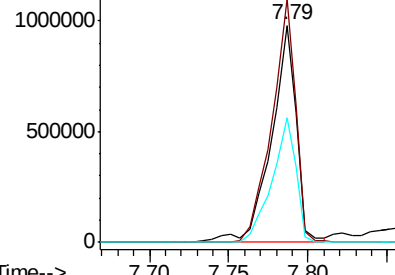
3/20/2020 11:47:20 AM



Abundance Ion 122.00 (121.70 to 122.70): E

1500000 Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 40.469 ng

RT: 7.89 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

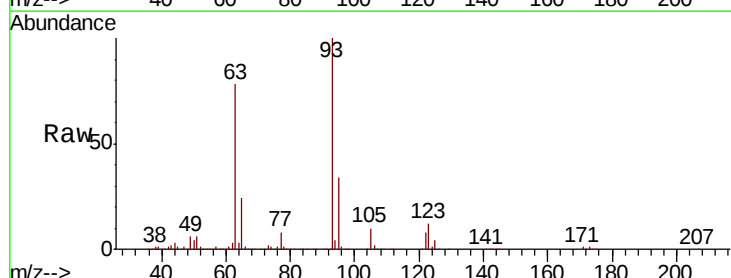
Tgt Ion: 93 Resp: 1400033

Ion Ratio Lower Upper

93 100

95 34.0 26.0 39.0

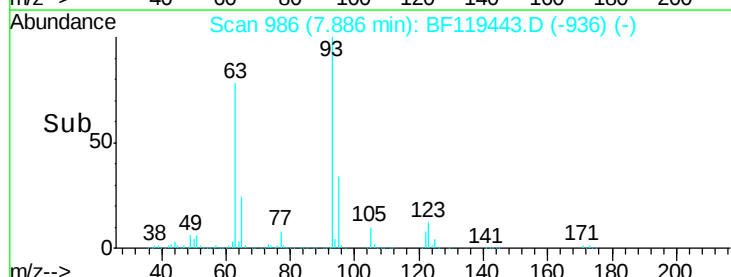
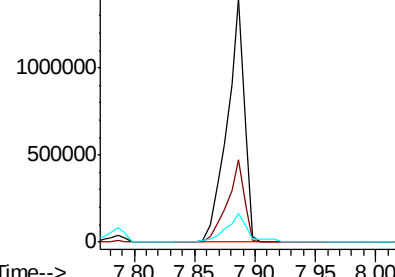
123 11.7 9.7 14.5

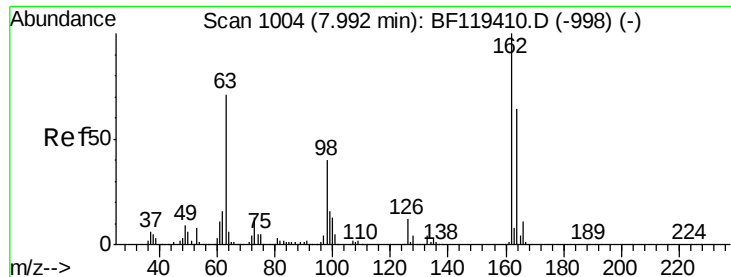


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





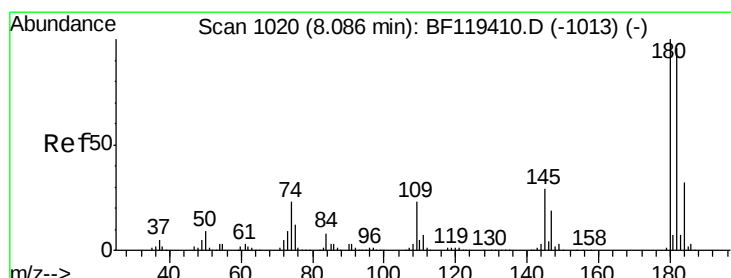
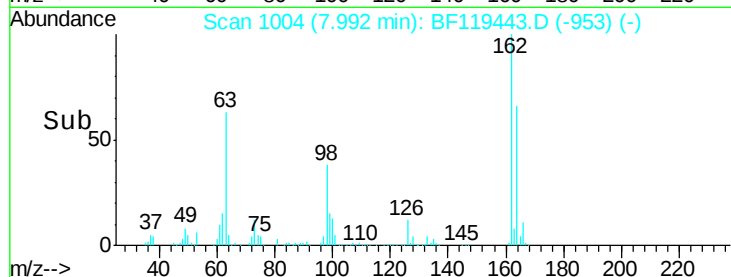
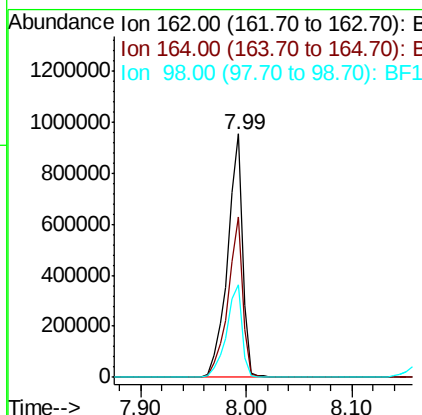
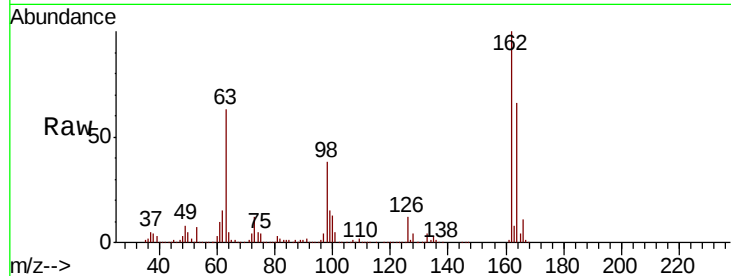
#29
2,4-Dichlorophenol
Concen: 40.857 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	942024		
164	66.1	43.6	83.6	
98	38.3	20.4	60.4	

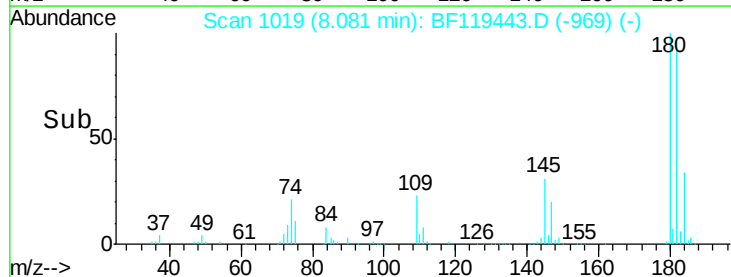
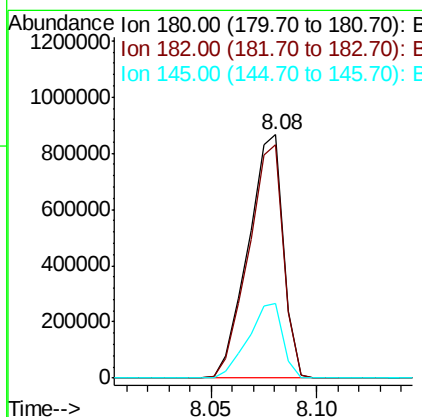
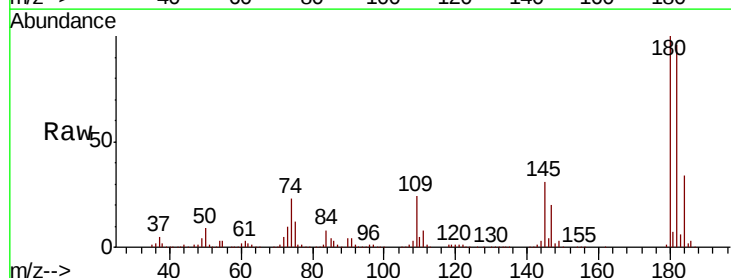
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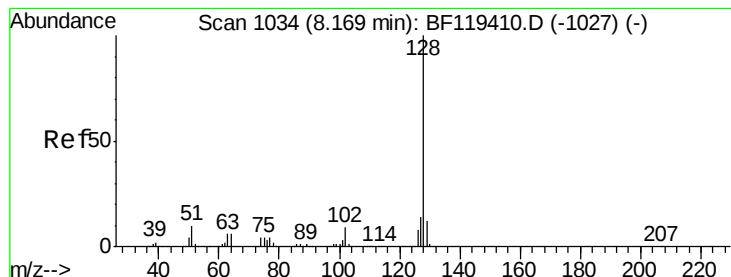
mohammad
3/20/2020 11:47:20 AM



#30
1,2,4-Trichlorobenzene
Concen: 39.399 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	1004621		
182	96.1	76.6	115.0	
145	30.9	23.2	34.8	





#31

Naphthalene

Concen: 38.982 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

Instrument :

BNA_F

ClientSampleId :

PB127678BS

Tot Ion:128 Resp: 3144327

Ion Ratio Lower Upper

128 100

129 11.8 9.3 13.9

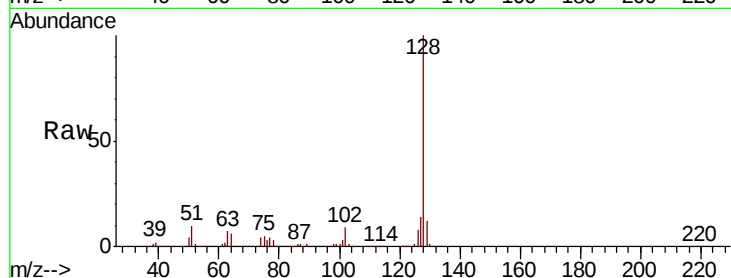
127 14.2 11.0 16.4

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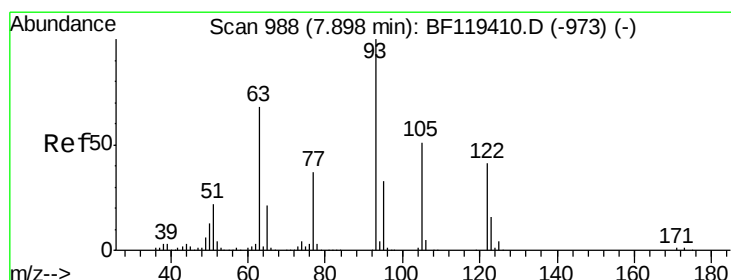
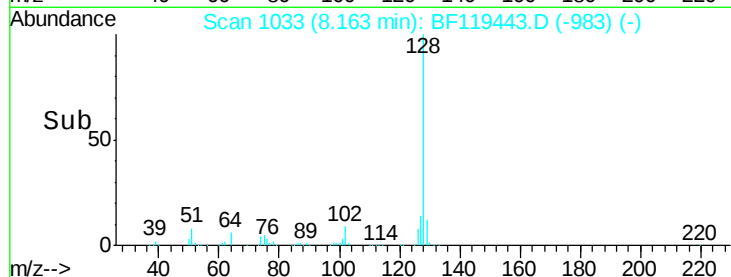
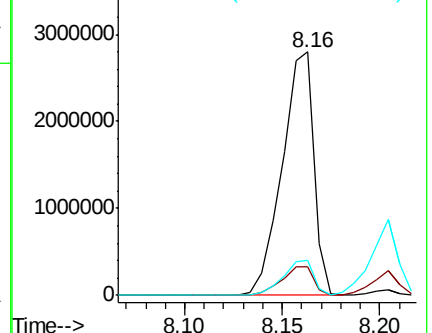
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 35.117 ng

RT: 7.92 min Scan# 991

Delta R.T. 0.02 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

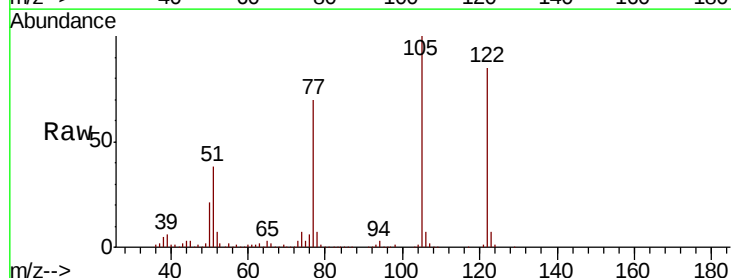
Tgt Ion:122 Resp: 566836

Ion Ratio Lower Upper

122 100

105 117.6 102.9 142.9

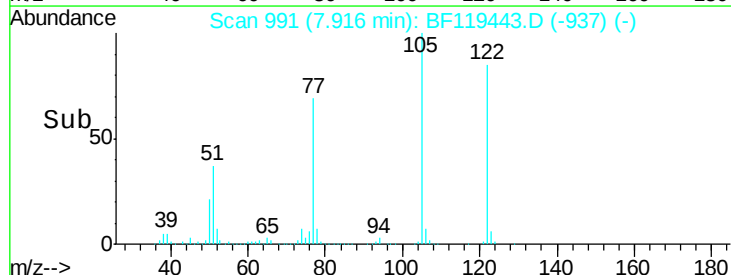
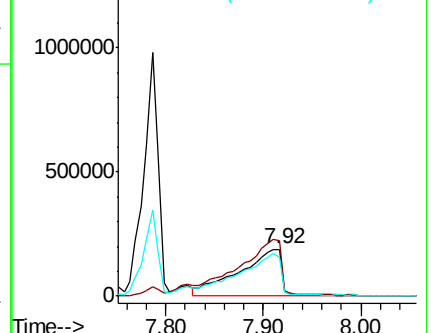
77 82.6 70.1 110.1

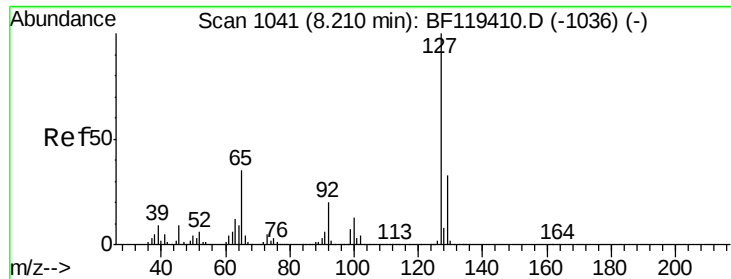


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





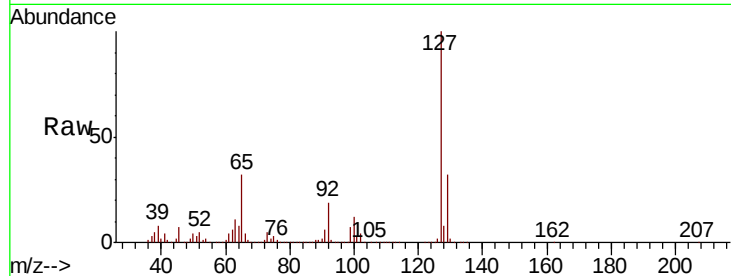
#33
 4-Chloroaniline
 Concen: 22.728 ng
 RT: 8.20 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BF119443.D
 Acq: 19 Mar 2020 17:29

Instrument :
 BNA_F
 ClientSampleId :
 PB127678BS

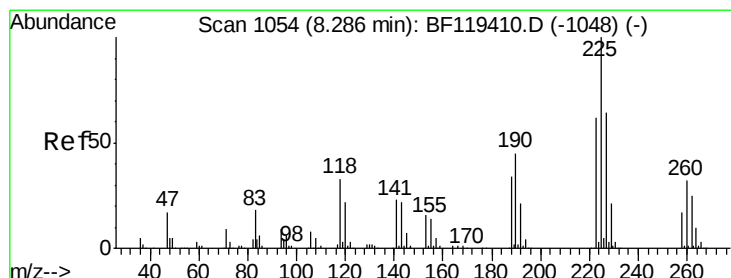
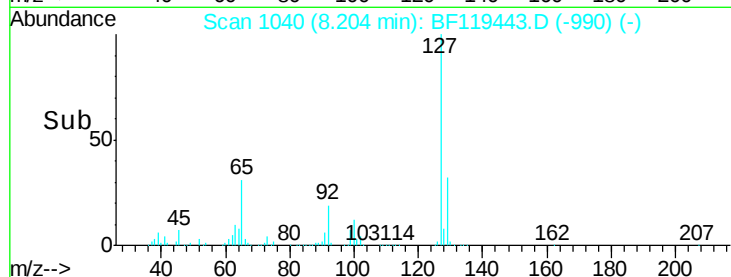
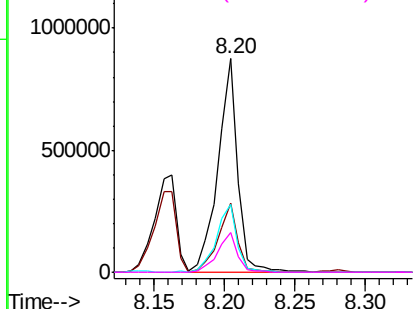
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.5	26.2	39.4		
65	32.1	27.7	41.5		
92	18.6	15.8	23.6		

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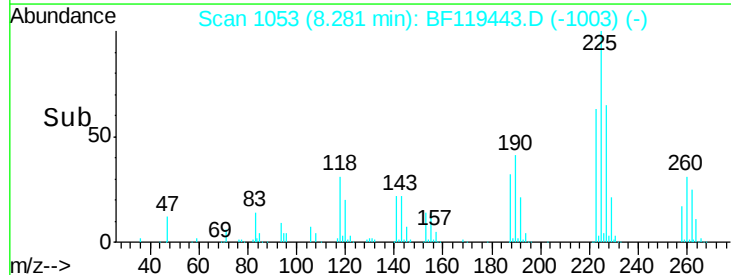
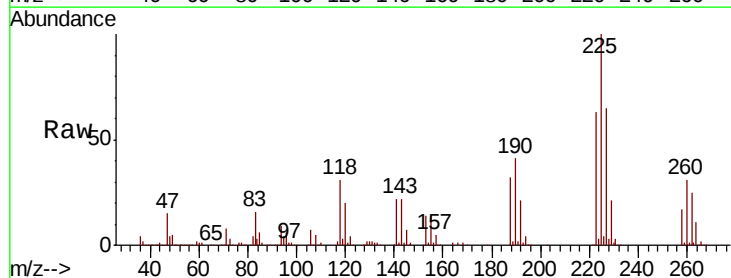
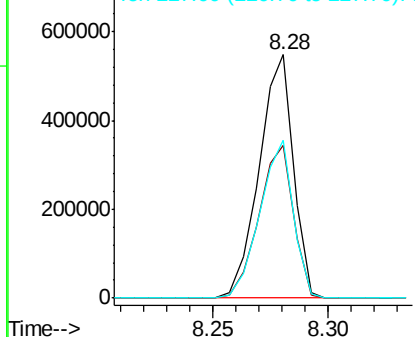
Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1

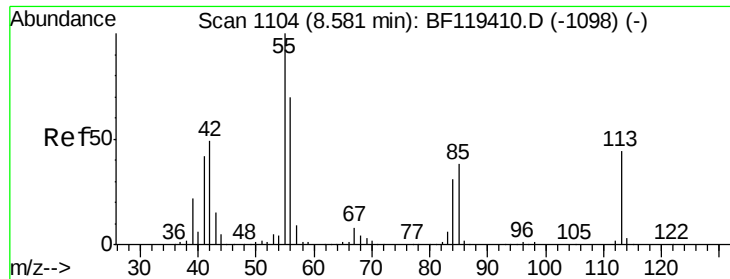


#34
 Hexachlorobutadiene
 Concen: 39.547 ng
 RT: 8.28 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: BF119443.D
 Acq: 19 Mar 2020 17:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.6	49.2	73.8		
227	64.6	51.1	76.7		

Abundance Ion 225.00 (224.70 to 225.70): E
 Ion 223.00 (222.70 to 223.70): E
 Ion 227.00 (226.70 to 227.70): E





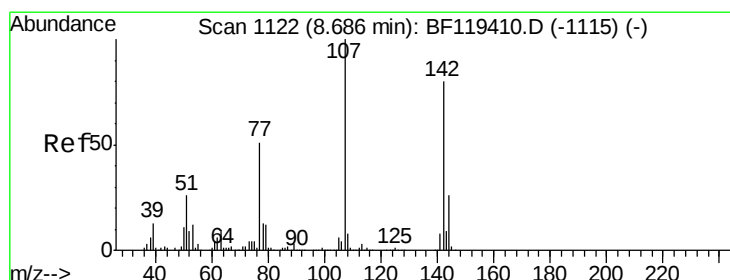
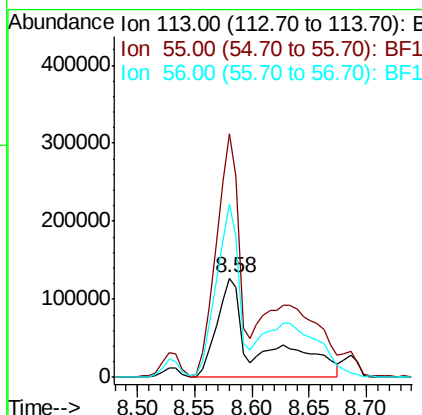
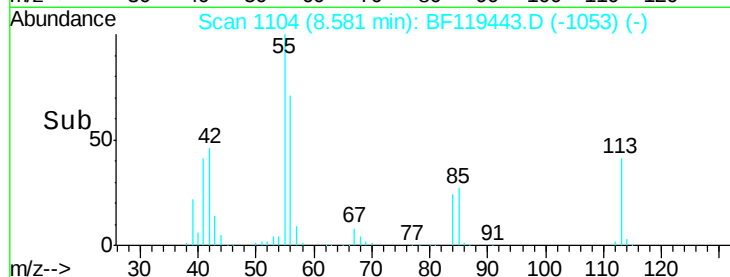
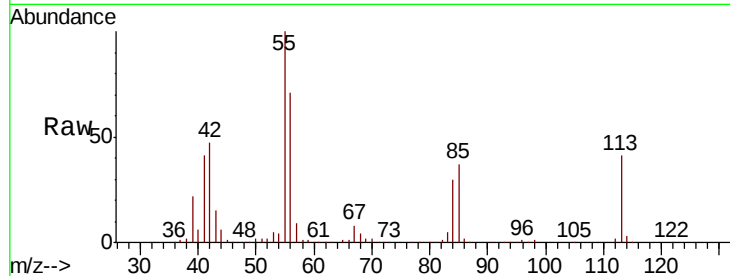
#35
Caprolactam
Concen: 42.417 ng/ml
RT: 8.58 min Scan# 1104
Delta R.T. 0.00 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	246.1	208.4	248.4
56	175.5	138.9	178.9

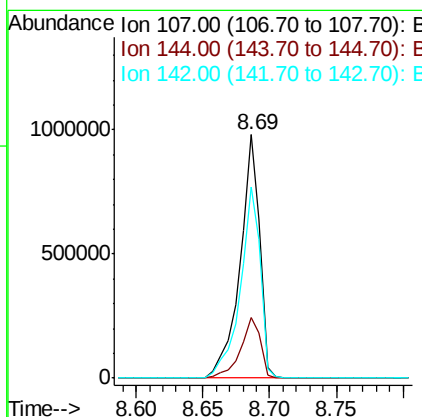
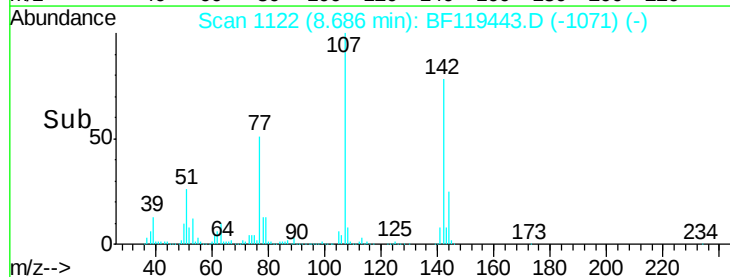
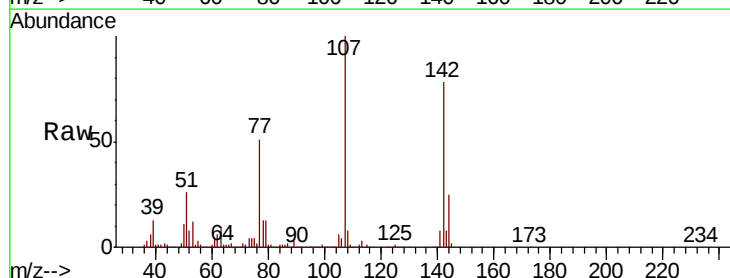
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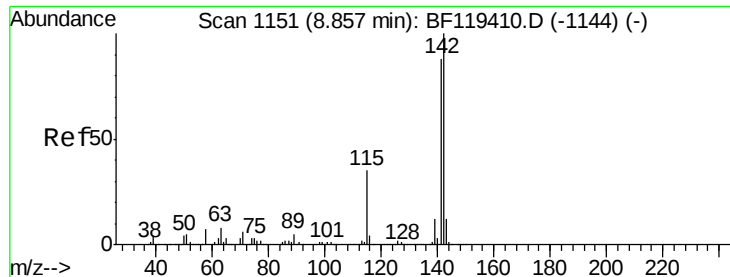
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#36
4-Chloro-3-methylphenol
Concen: 39.848 ng/ml
RT: 8.69 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.6	31.0
142	78.3	63.8	95.6





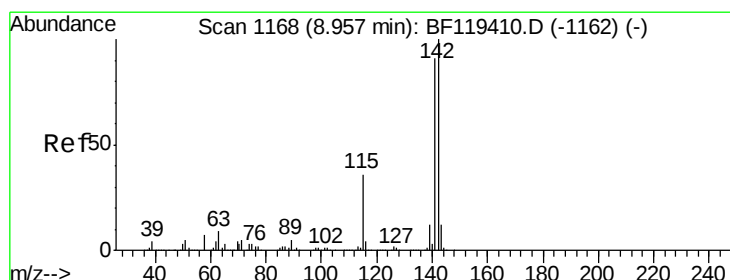
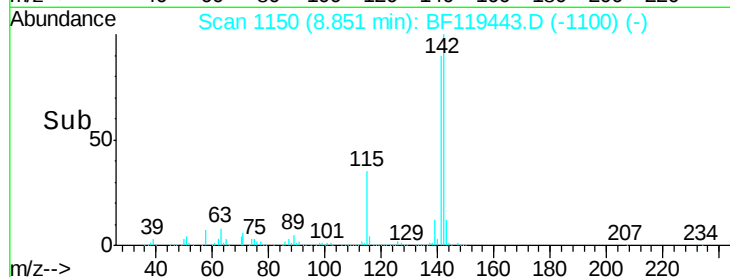
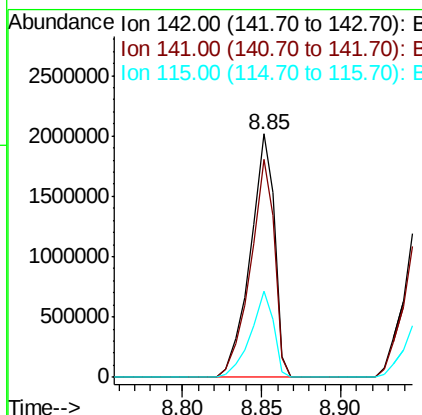
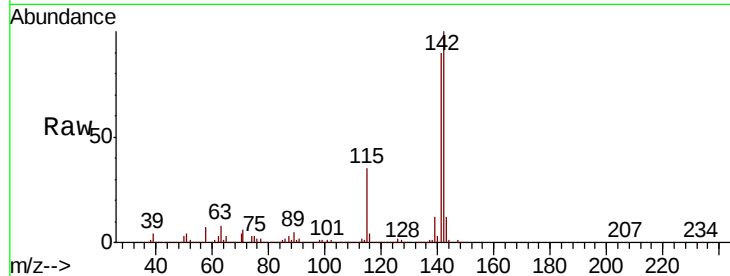
#37
2-Methylnaphthalene
Concen: 40.318 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleID :
PB127678BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.4	105.6
115	35.4	27.8	41.6

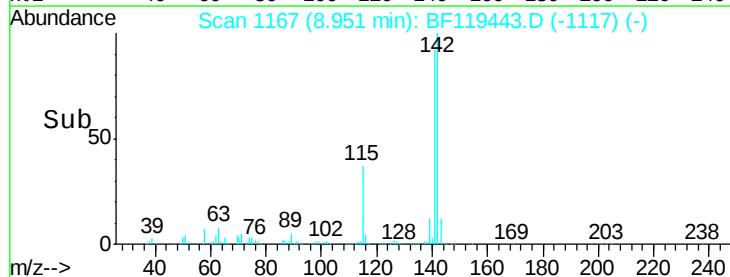
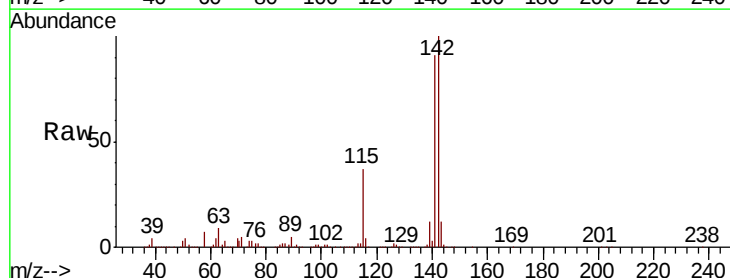
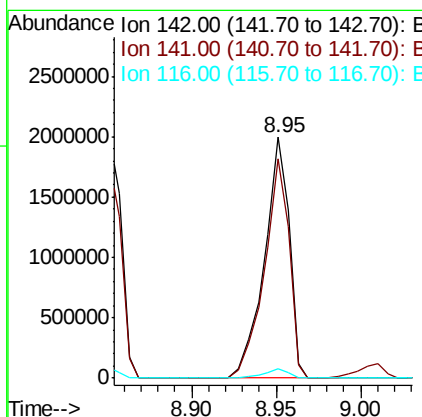
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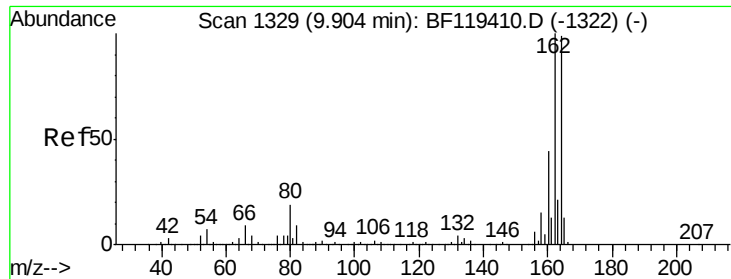
mohammad
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#38
1-Methylnaphthalene
Concen: 40.491 ng
RT: 8.95 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.1	109.7
116	4.0	3.0	4.6





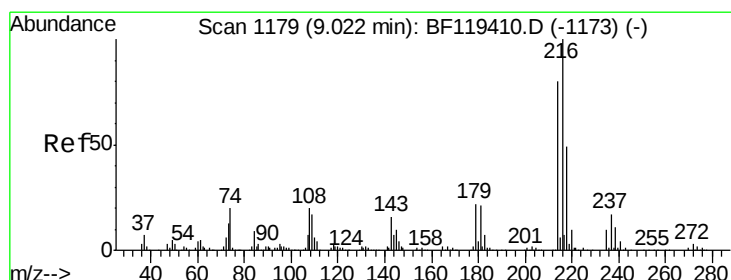
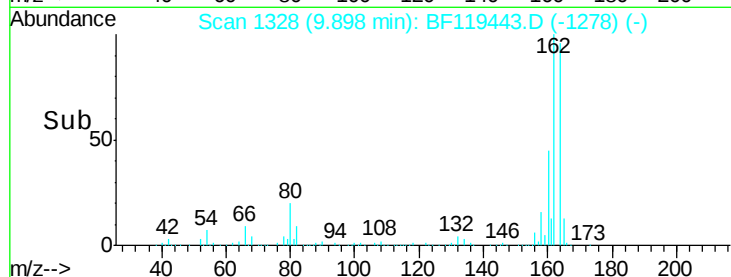
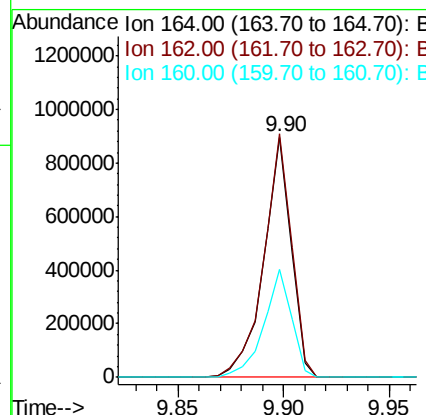
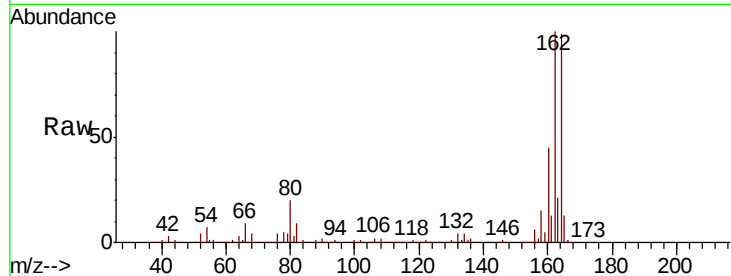
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.7	121.1
160	45.1	35.5	53.3

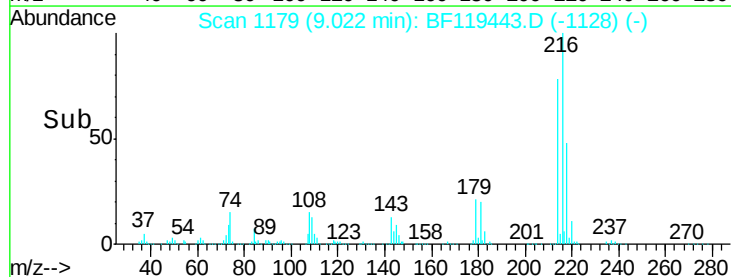
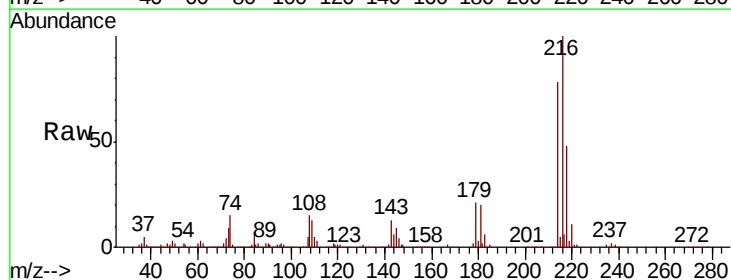
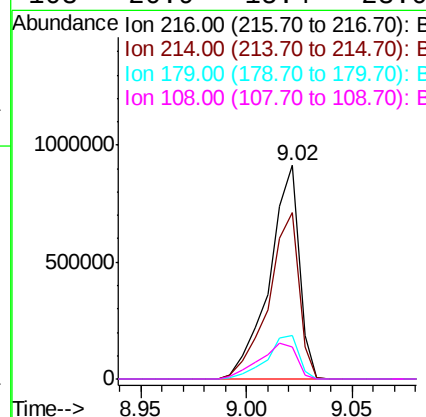
Manual Integrations
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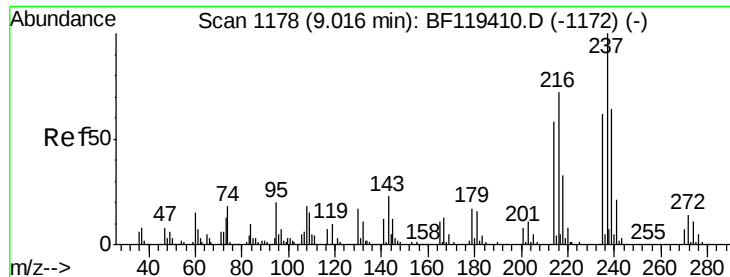
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.547 ng
RT: 9.02 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.0	94.6
179	21.8	17.0	25.4
108	20.9	15.4	23.0





#41

Hexachlorocyclopentadiene

Concen: 71.338 ng

RT: 9.01 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

Instrument :

BNA_F

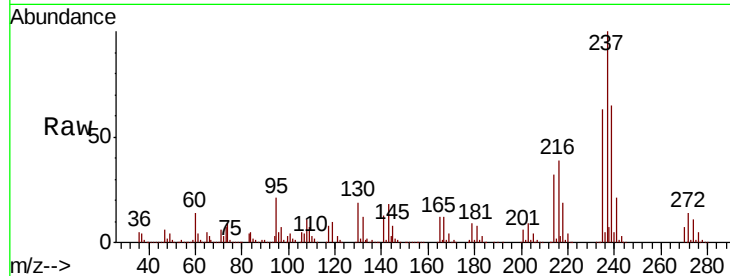
ClientSampleId :

PB127678BS

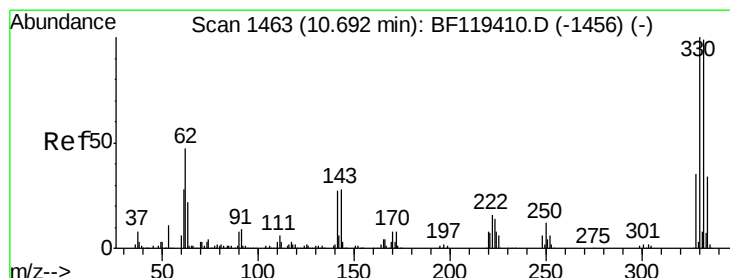
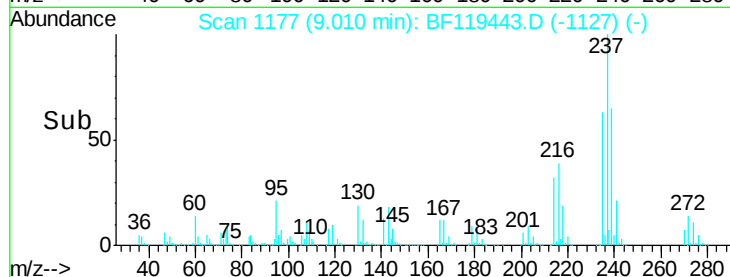
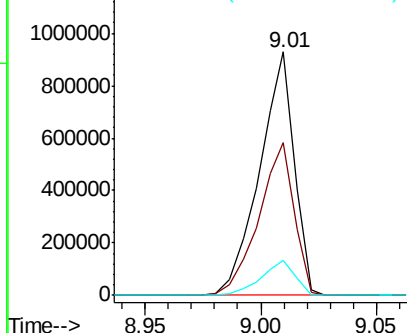
Tot Ion:	237	Resp:	970476
Ion Ratio		Lower	Upper
237	100		
235	62.9	42.5	82.5
272	14.1	0.0	34.3

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 109.693 ng

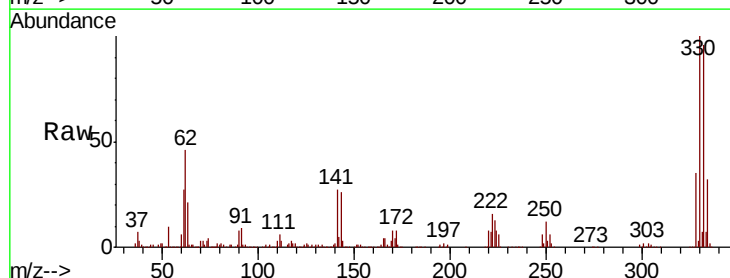
RT: 10.69 min Scan# 1463

Delta R.T. 0.00 min

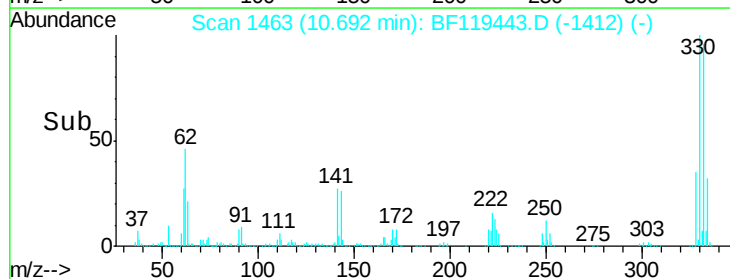
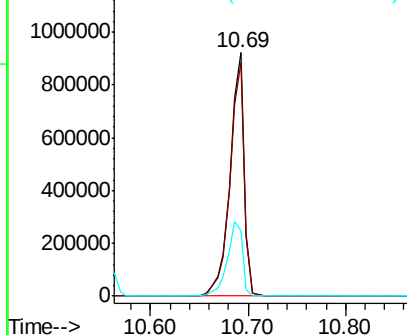
Lab File: BF119443.D

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Tgt Ion:	330	Resp:	923872
Ion Ratio		Lower	Upper
330	100		
332	96.4	77.6	116.4
141	32.9	26.6	40.0



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





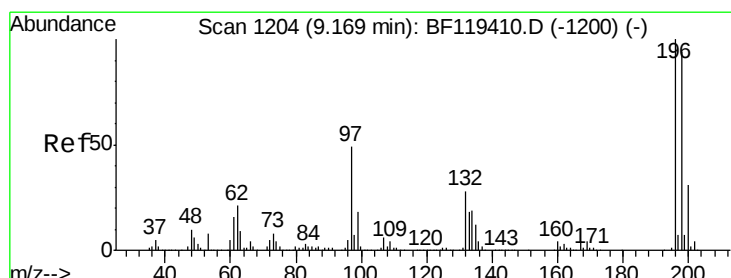
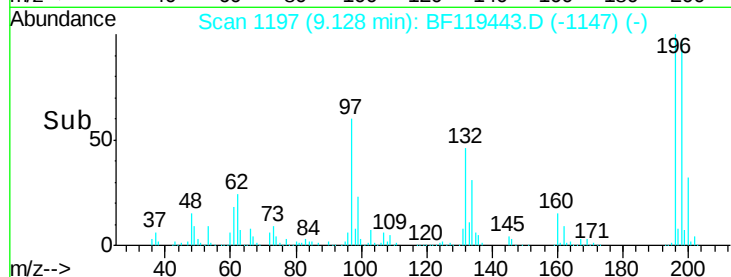
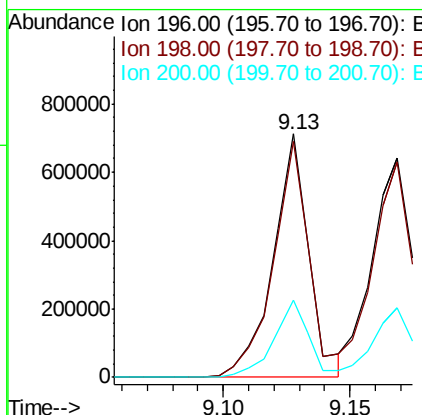
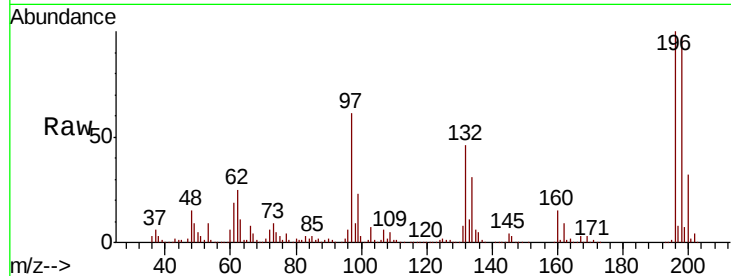
#43
 2,4,6-Trichlorophenol
 Concen: 41.016 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF119443.D
 Acq: 19 Mar 2020 17:29

Instrument :
 BNA_F
 ClientSampleID :
 PB127678BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	702358		
198	96.8	77.0	115.4	
200	31.6	25.1	37.7	

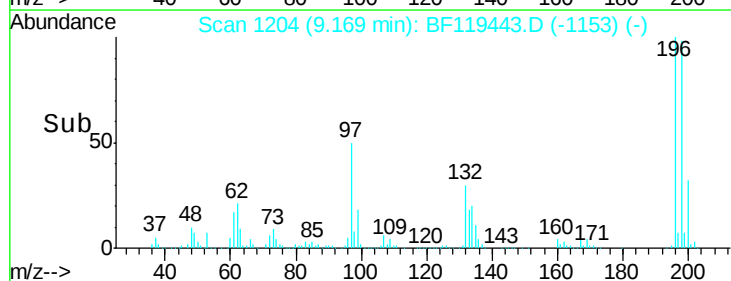
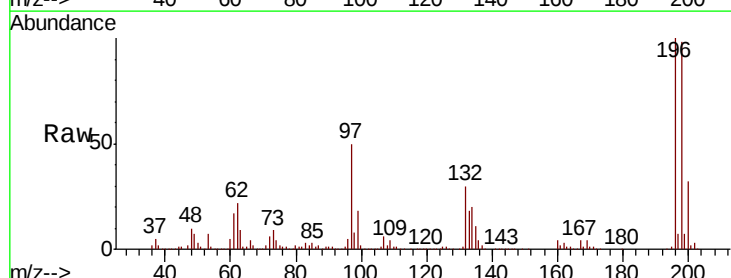
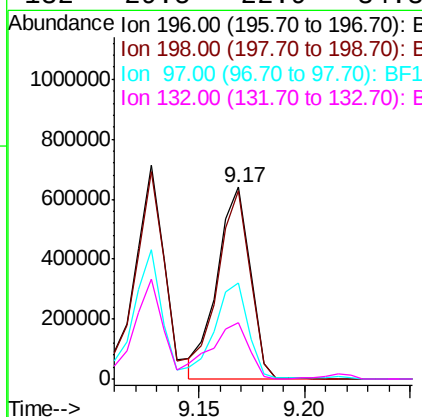
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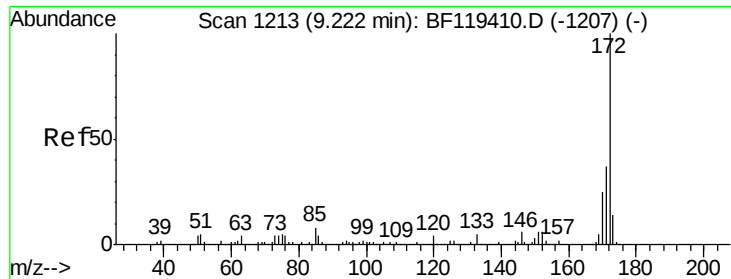
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#44
 2,4,5-Trichlorophenol
 Concen: 36.286 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF119443.D
 Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	696062		
198	98.3	75.3	112.9	
97	49.9	39.0	58.4	
132	29.5	22.9	34.3	





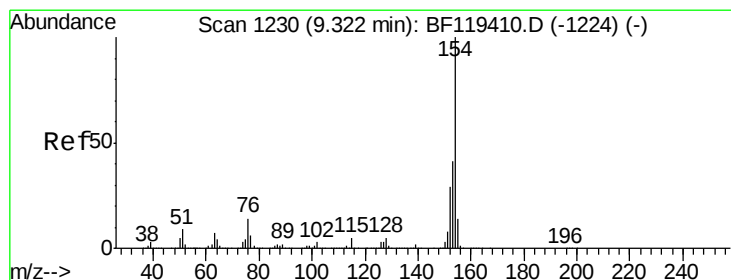
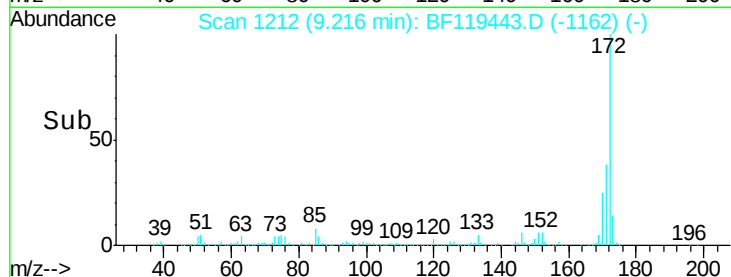
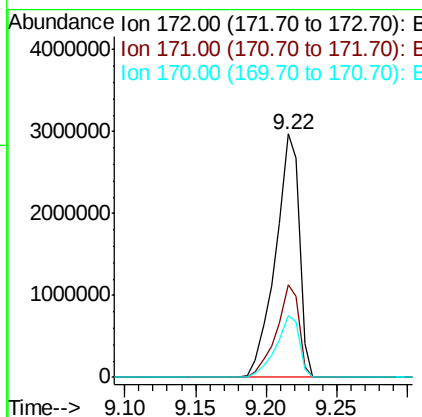
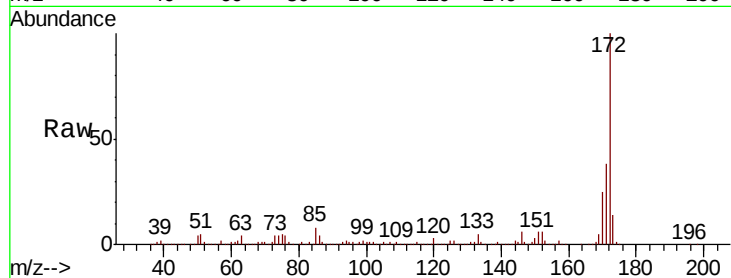
#45
2-Fluorobiphenyl
Concen: 63.652 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.9	44.9
170	25.5	20.1	30.1

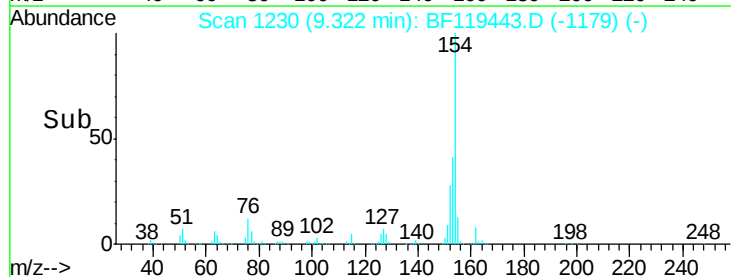
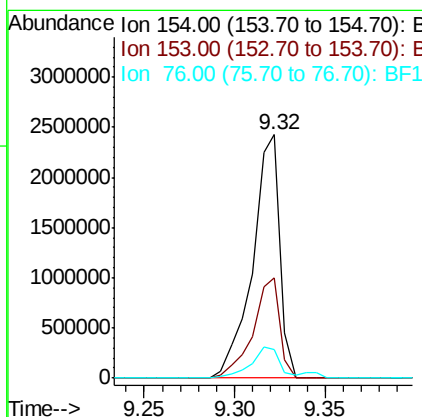
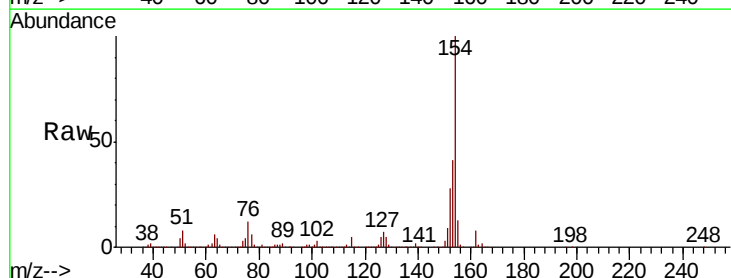
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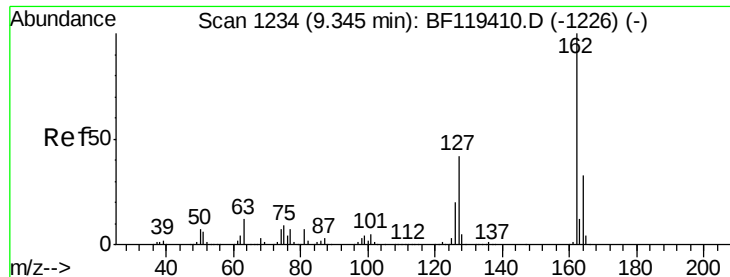
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#46
1,1'-Biphenyl
Concen: 38.072 ng
RT: 9.32 min Scan# 1230
Delta R.T. 0.00 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.2	21.4	61.4
76	12.0	0.0	33.6





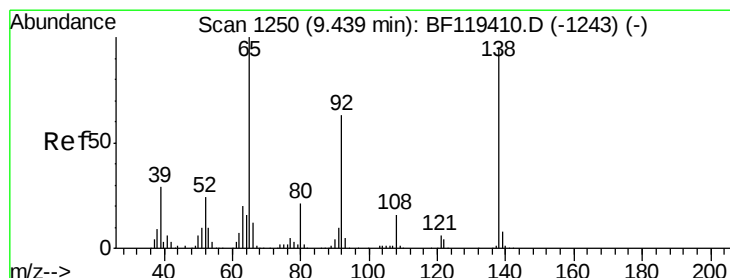
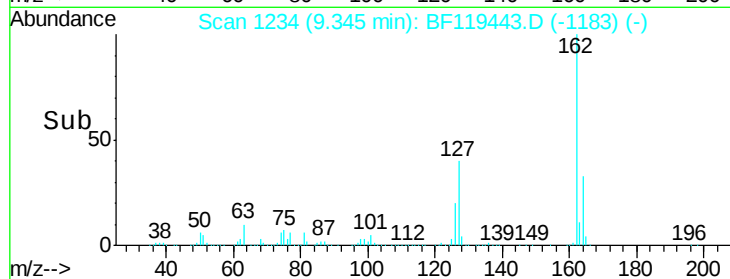
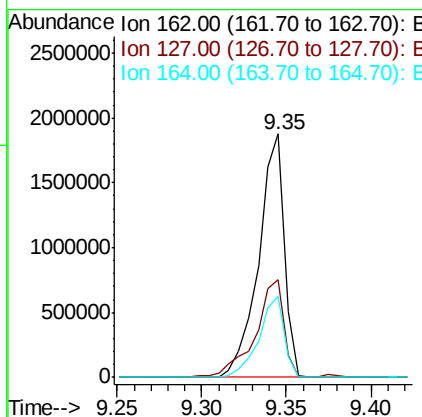
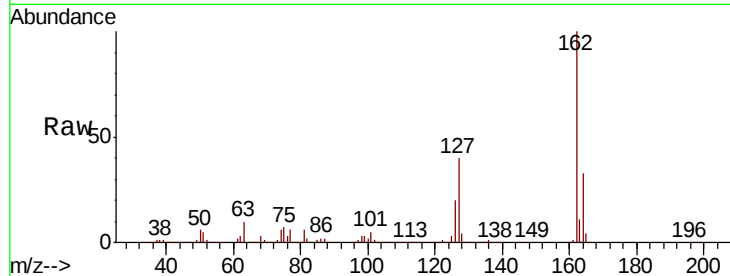
#47
 2-Chloronaphthalene
 Concen: 37.971 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: BF119443.D
 Acq: 19 Mar 2020 17:29

Instrument :
 BNA_F
 ClientSampleId :
 PB127678BS

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.3	33.7	50.5
164	33.1	26.2	39.4

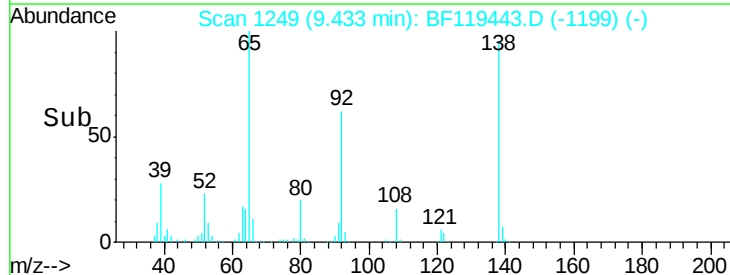
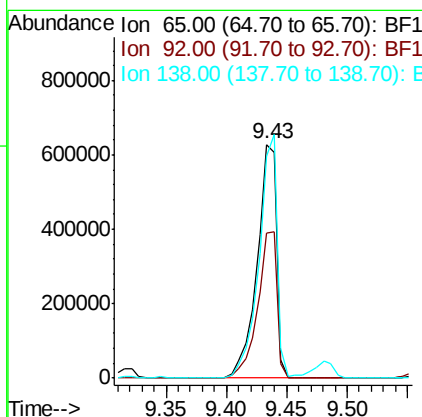
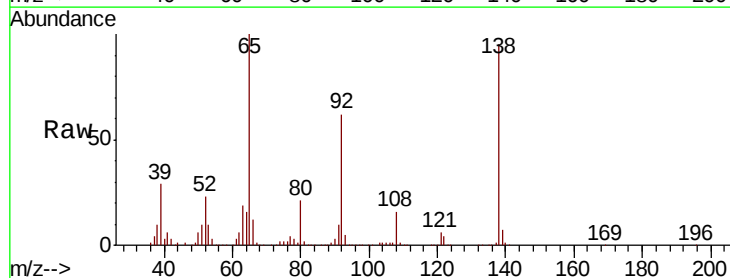
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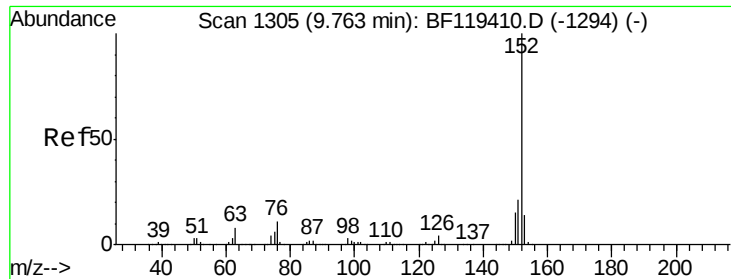
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#48
 2-Nitroaniline
 Concen: 39.468 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: BF119443.D
 Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Lower	Upper
65	100		
92	62.0	50.5	75.7
138	94.7	75.8	113.8





#49

Acenaphthylene

Concen: 37.692 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

Instrument :

BNA_F

ClientSampleId :

PB127678BS

Tot Ion:152 Resp: 3082770

Ion Ratio Lower Upper

152 100

151 21.8 16.8 25.2

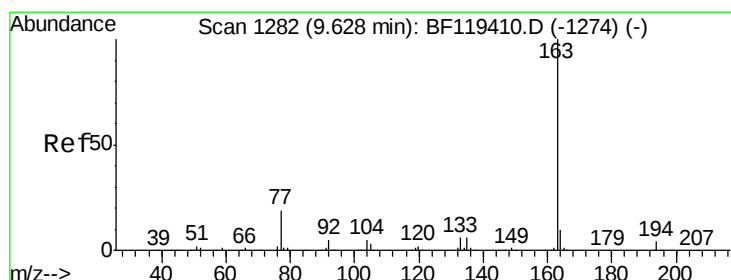
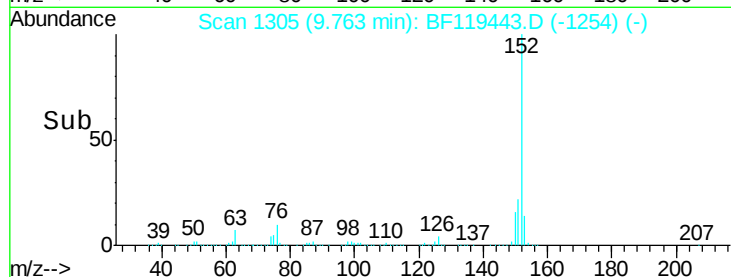
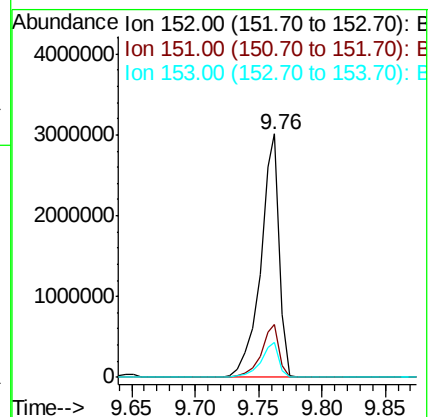
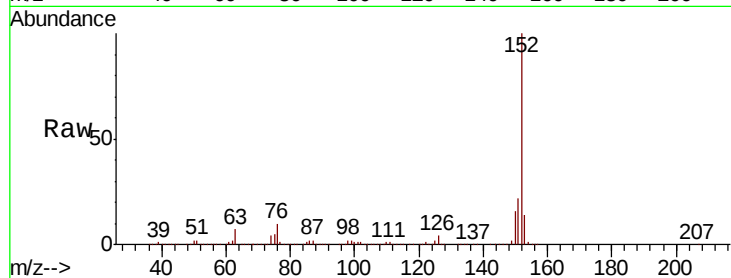
153 14.2 11.2 16.8

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#50

Dimethylphthalate

Concen: 39.049 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

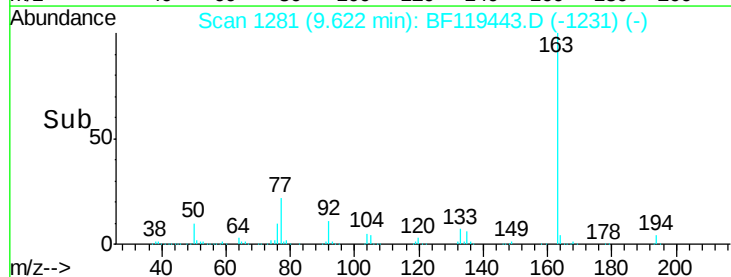
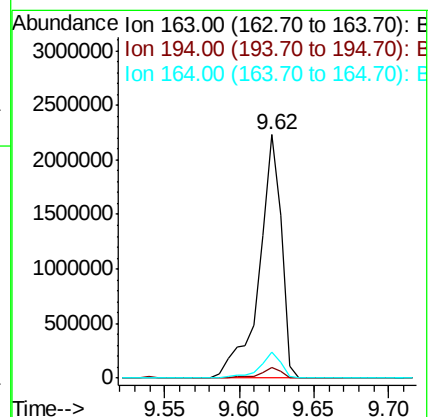
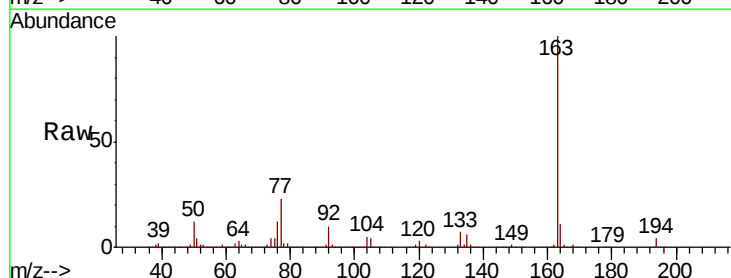
Tgt Ion:163 Resp: 2264364

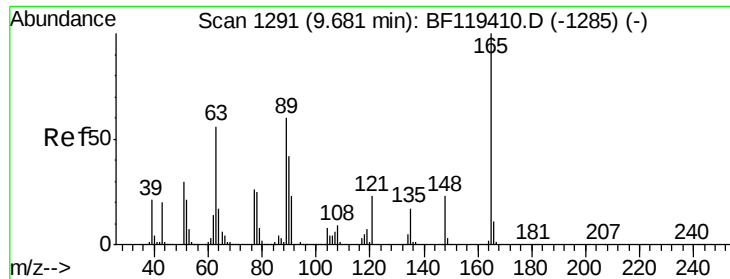
Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

164 10.7 8.1 12.1





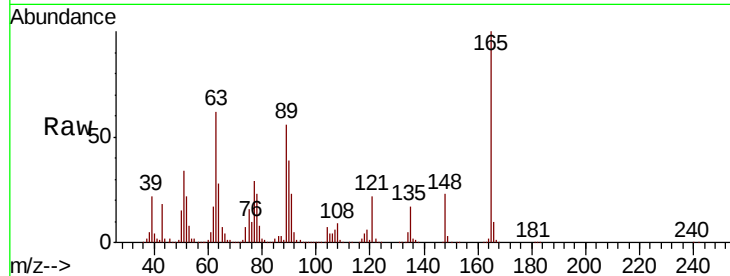
#51
2,6-Dinitrotoluene
Concen: 40.125 ng
RT: 9.68 min Scan# 1291
Delta R.T. 0.00 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

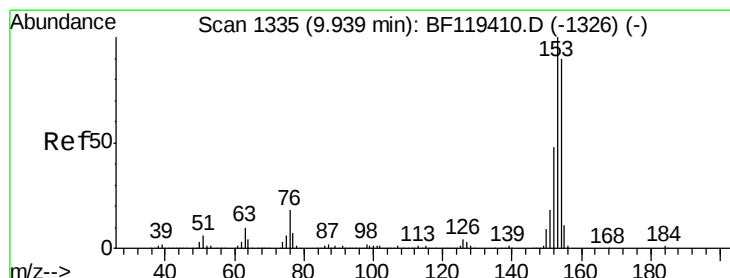
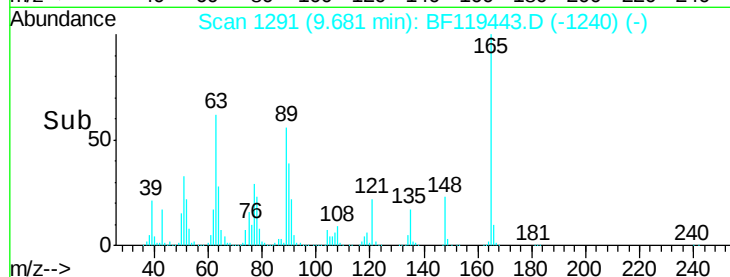
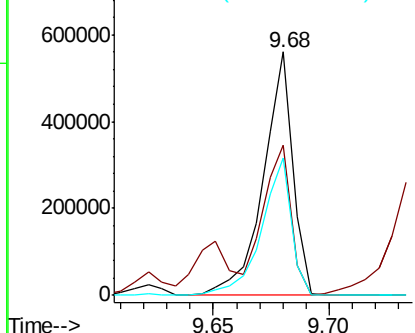
Tot Ion	Ratio	Lower	Upper
165	100		
63	61.8	57.3	85.9
89	56.2	47.8	71.8

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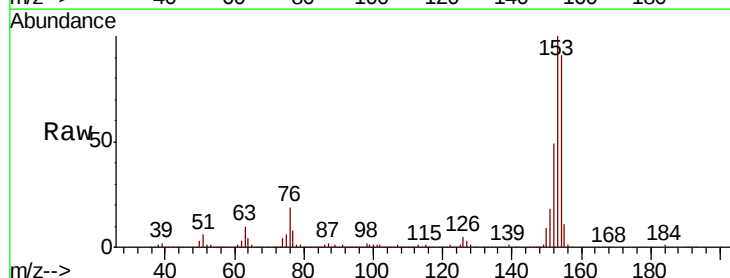


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

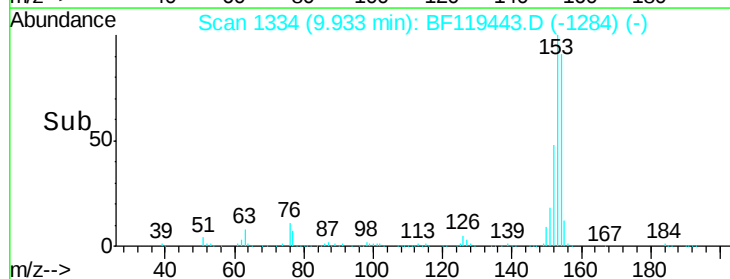
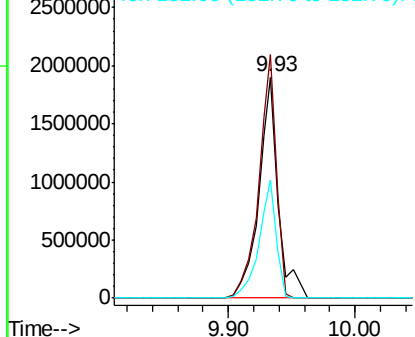


#52
Acenaphthene
Concen: 39.732 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.4	89.0	133.6
152	53.9	43.1	64.7



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





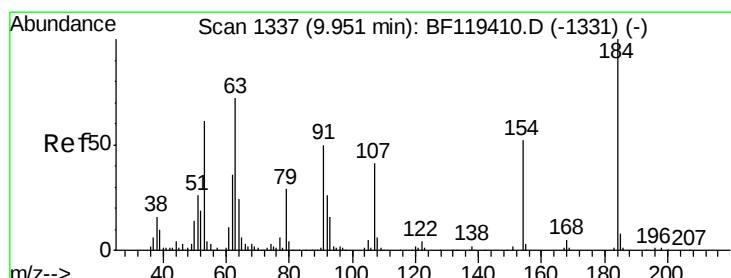
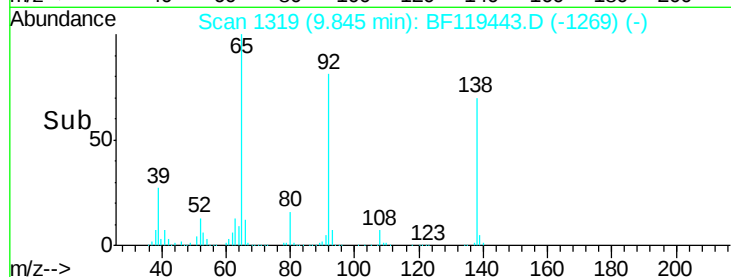
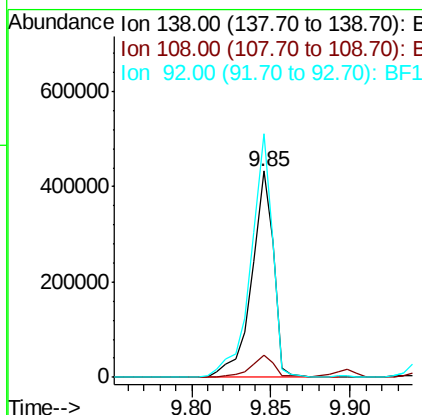
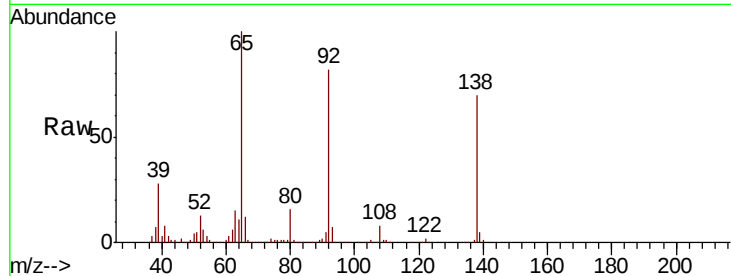
#53
3-Nitroaniline
Concen: 26.201 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.0	9.0	13.6
92	117.9	93.2	139.8

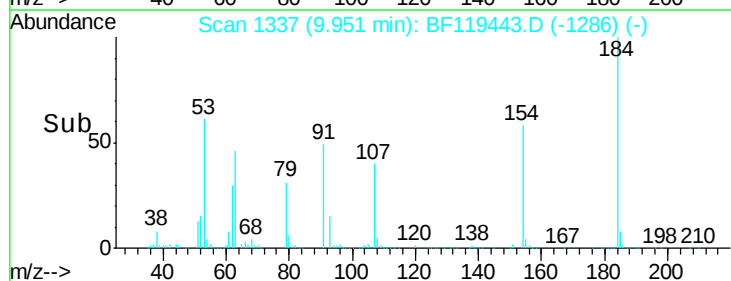
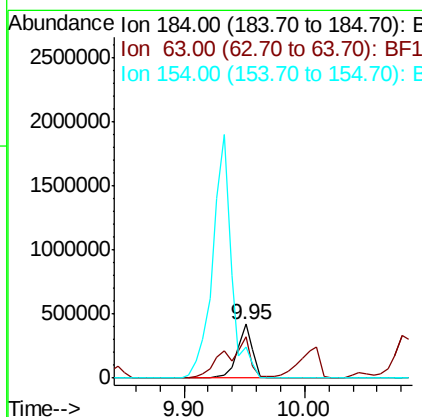
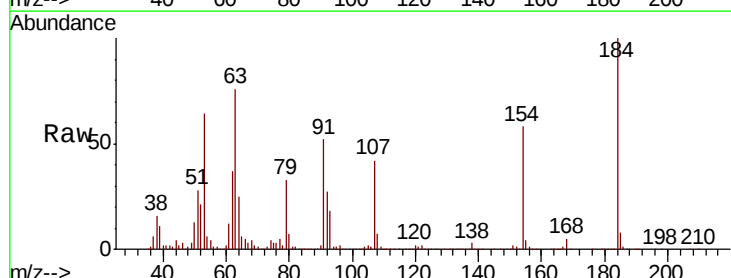
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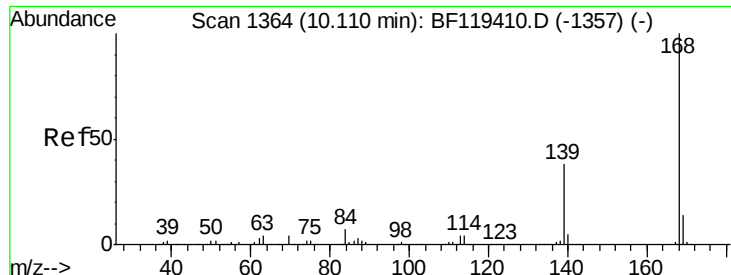
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#54
2,4-Dinitrophenol
Concen: 68.227 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.00 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Lower	Upper
184	100		
63	75.9	58.5	87.7
154	58.4	51.8	77.6





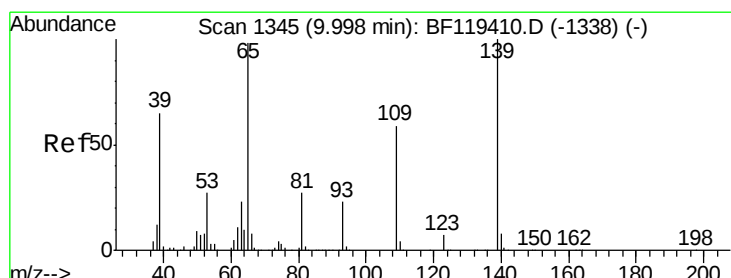
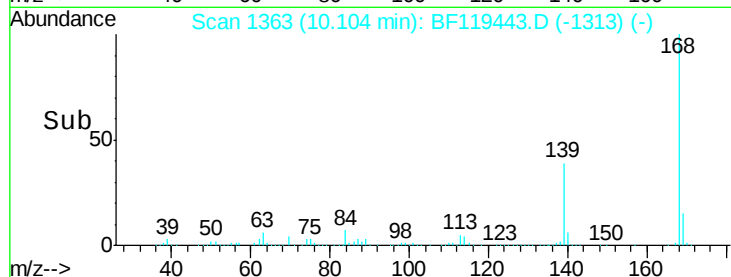
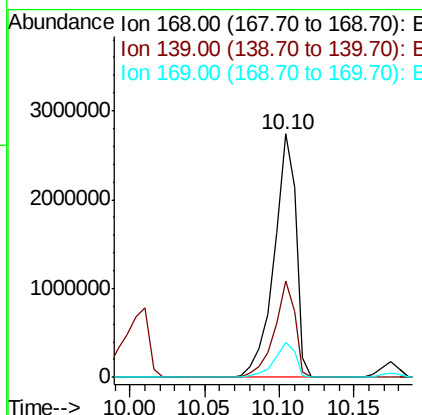
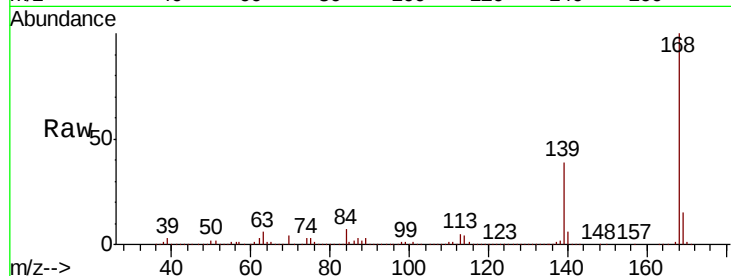
#55
Dibenzenofuran
Concen: 38.139 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

Tot Ion:168 Resp: 2788074
Ion Ratio Lower Upper
168 100
139 39.4 30.2 45.4
169 14.5 11.1 16.7

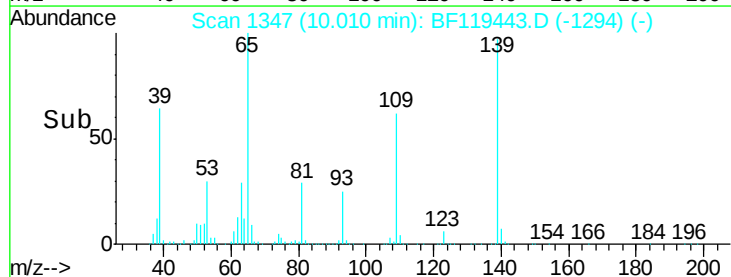
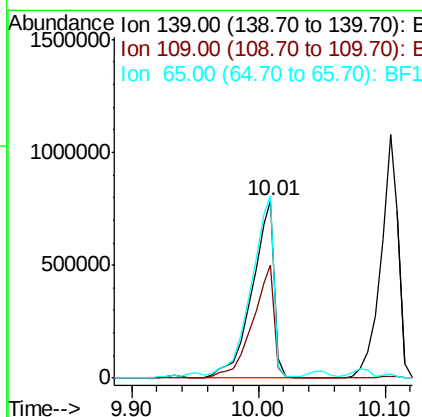
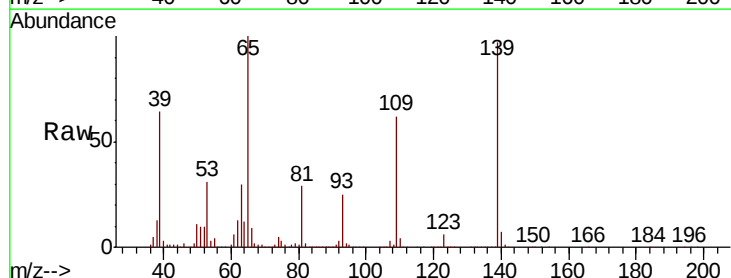
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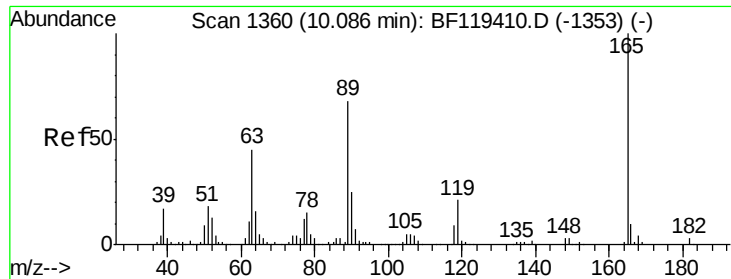
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#56
4-Nitrophenol
Concen: 77.084 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion:139 Resp: 954208
Ion Ratio Lower Upper
139 100
109 63.8 39.6 79.6
65 103.0 78.3 118.3





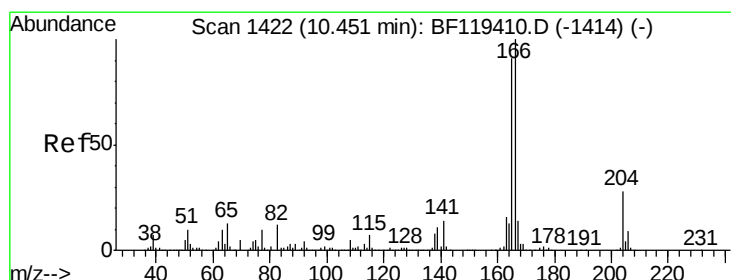
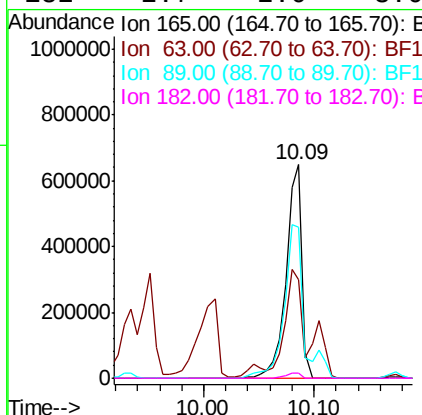
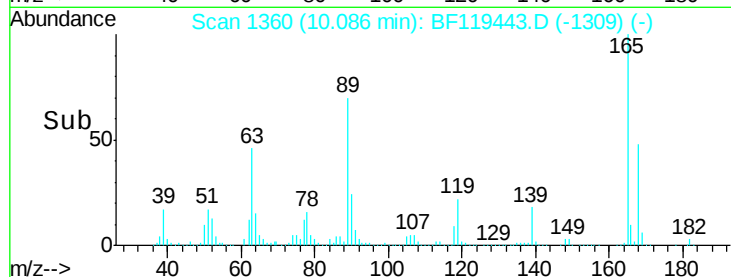
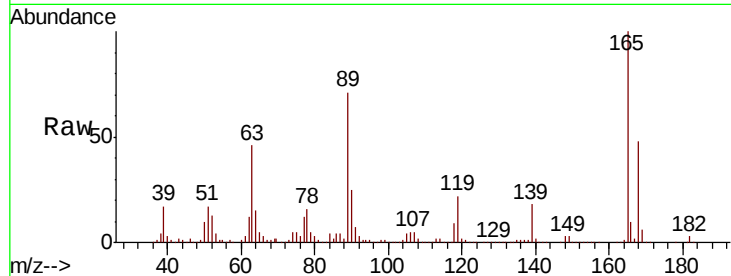
#57
2,4-Dinitrotoluene
Concen: 40.806 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		638934		
63	46.1	36.2	54.4		
89	70.5	54.3	81.5		
182	2.7	2.0	3.0		

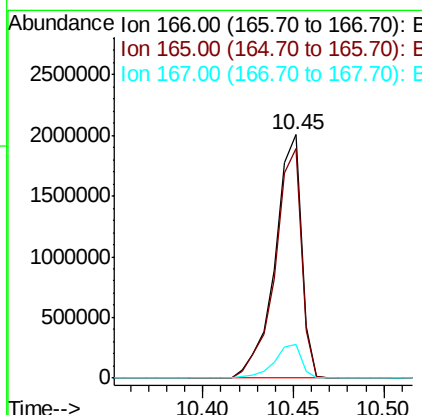
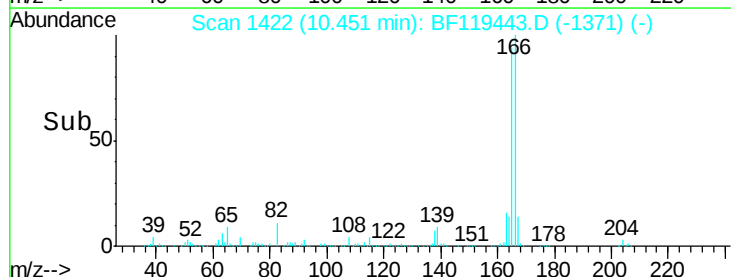
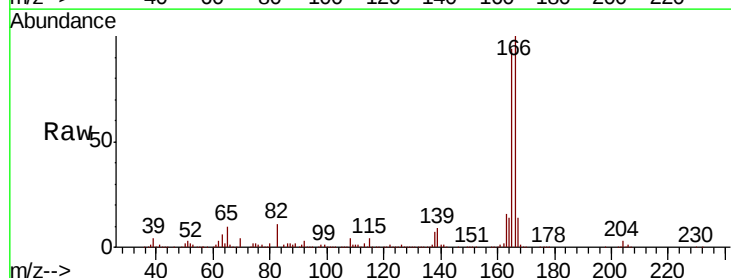
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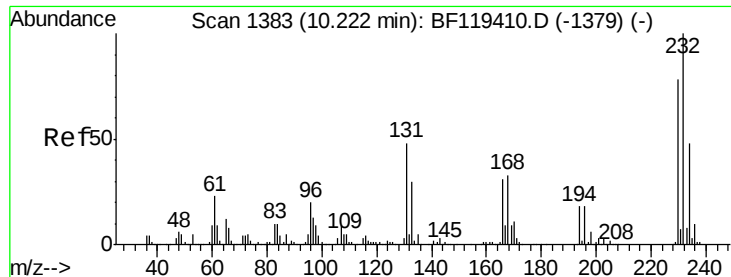
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#58
Fluorene
Concen: 37.640 ng
RT: 10.45 min Scan# 1422
Delta R.T. 0.00 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		2034781		
165	94.3	73.1	109.7		
167	13.6	11.0	16.6		





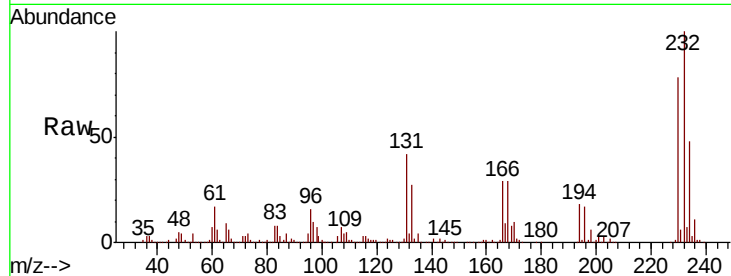
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 41.172 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: BF119443.D
 Acq: 19 Mar 2020 17:29

Instrument :
 BNA_F
 ClientSampleId :
 PB127678BS

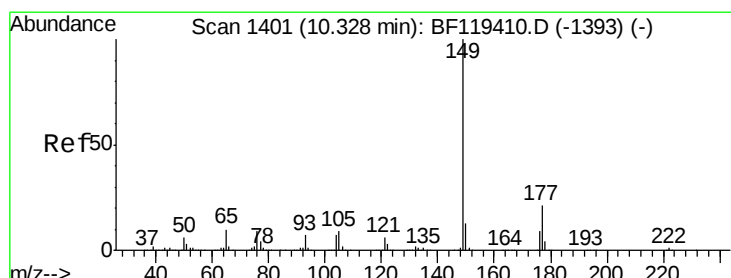
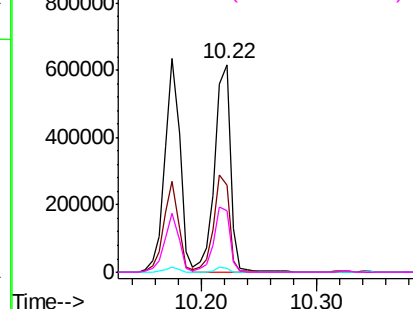
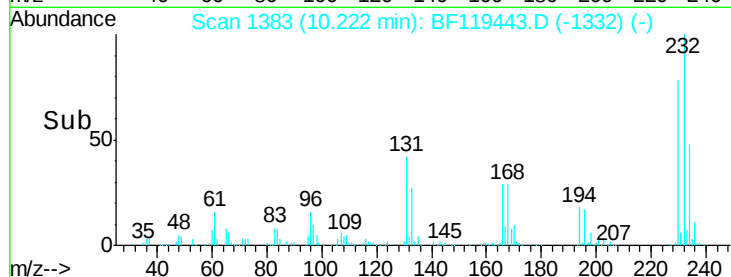
Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		590356		
131	46.3	36.3	54.5		
130	2.1	1.8	2.6		
166	31.6	24.9	37.3		

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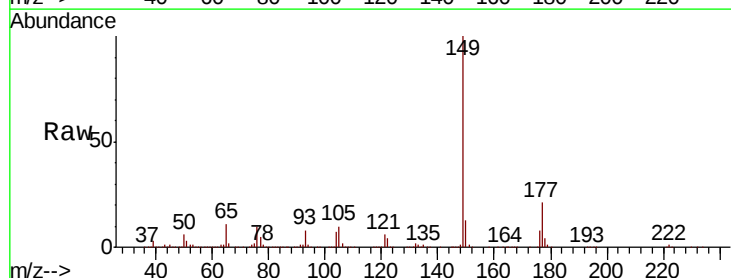


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

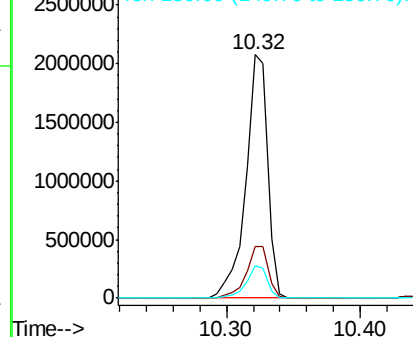
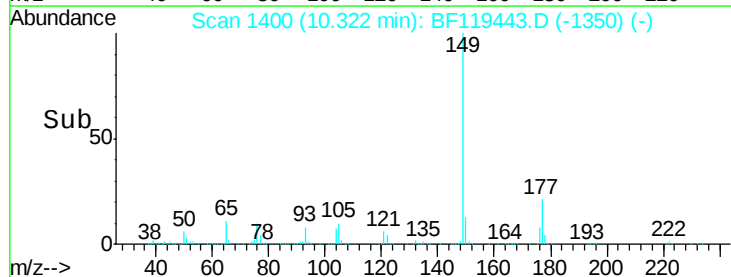


#60
 Diethylphthalate
 Concen: 39.615 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. -0.01 min
 Lab File: BF119443.D
 Acq: 19 Mar 2020 17:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		2331490		
177	21.3	17.0	25.6		
150	13.5	10.2	15.4		



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





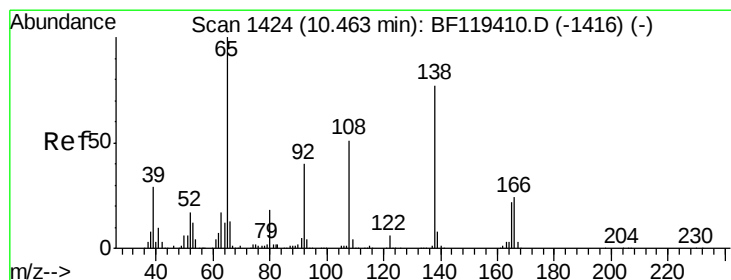
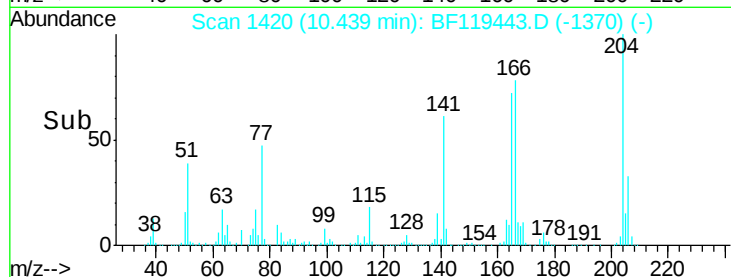
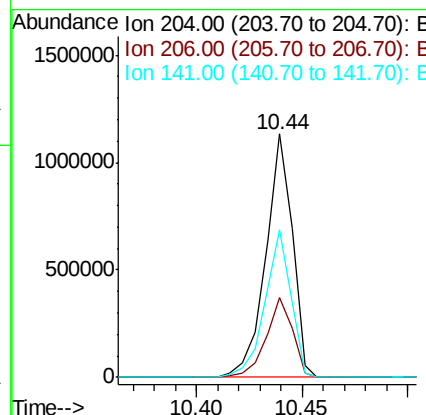
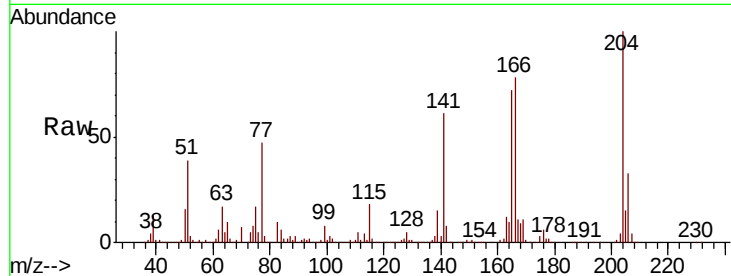
#61
4-Chlorophenyl-phenylether
Concen: 37.666 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.7	40.1
141	60.8	48.8	73.2

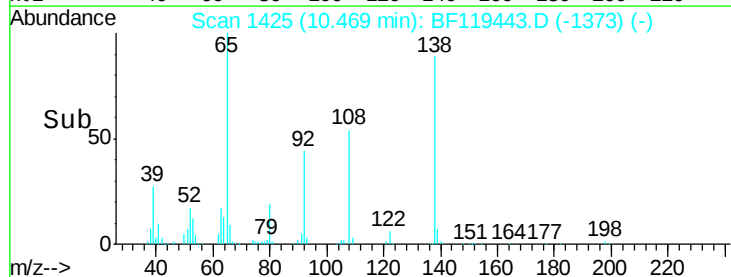
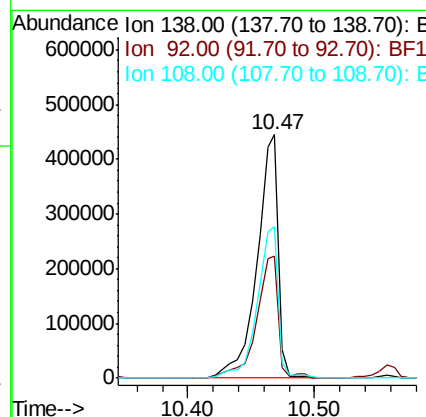
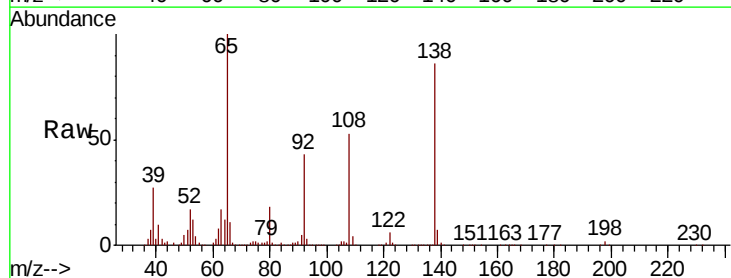
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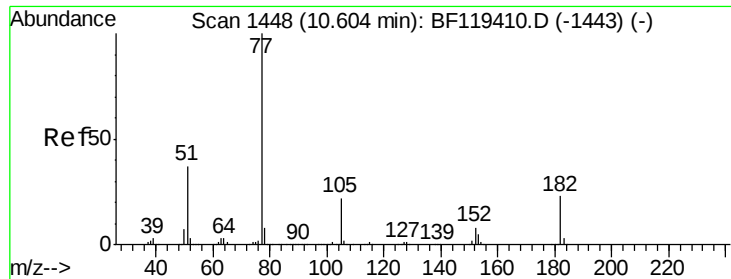
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#62
4-Nitroaniline
Concen: 34.931 ng
RT: 10.47 min Scan# 1425
Delta R.T. 0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.1	32.0	72.0
108	62.2	46.0	86.0





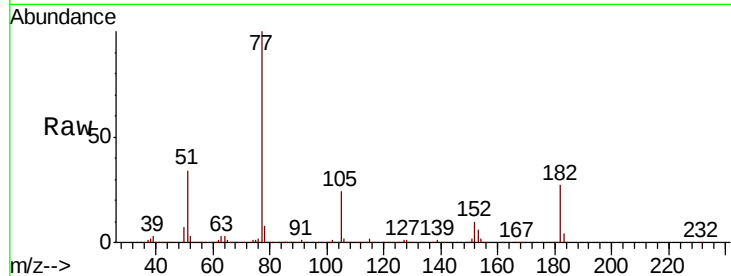
#63
Azobenzene
Concen: 38.137 ng
RT: 10.60 min Scan# 1448
Delta R.T. 0.00 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

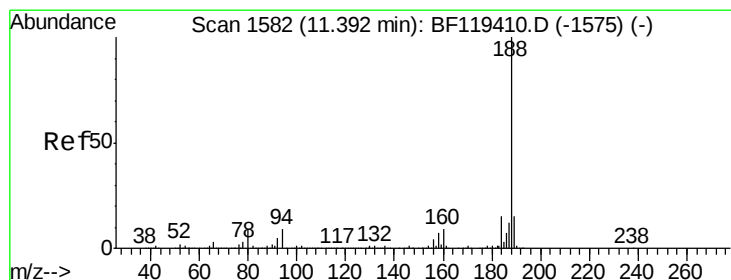
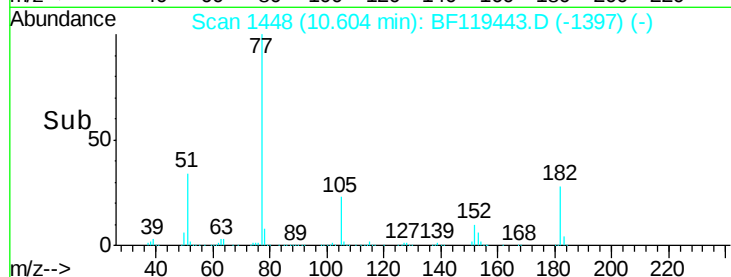
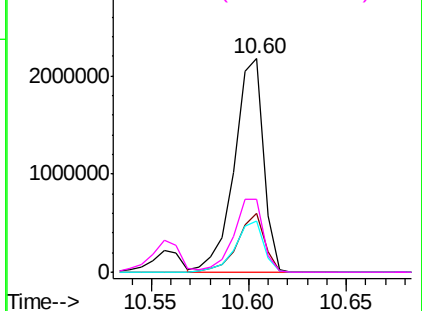
Tot Ion: 77 Resp: 2260243
Ion Ratio Lower Upper
77 100
182 27.4 2.5 42.5
105 24.2 2.5 42.5
51 34.0 17.1 57.1

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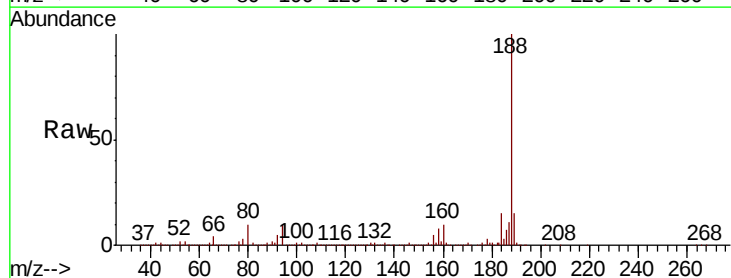


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

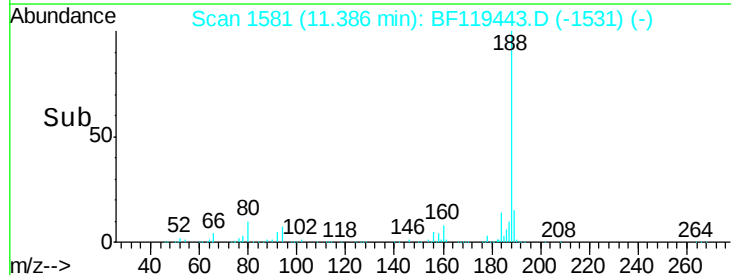
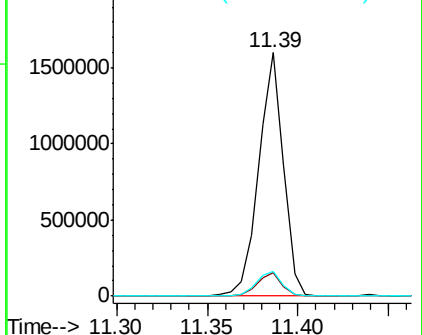


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion: 188 Resp: 1512369
Ion Ratio Lower Upper
188 100
94 9.7 7.1 10.7
80 10.3 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 42.707 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.00 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

Instrument :

BNA_F

ClientSampleId :

PB127678BS

Tot Ion:198 Resp: 270841

Ion Ratio Lower Upper

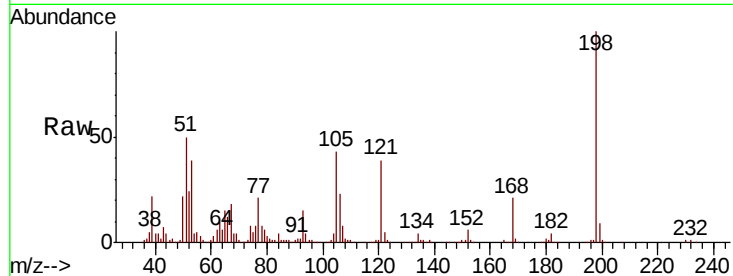
198 100

51 50.2 33.1 73.1

105 43.2 24.1 64.1

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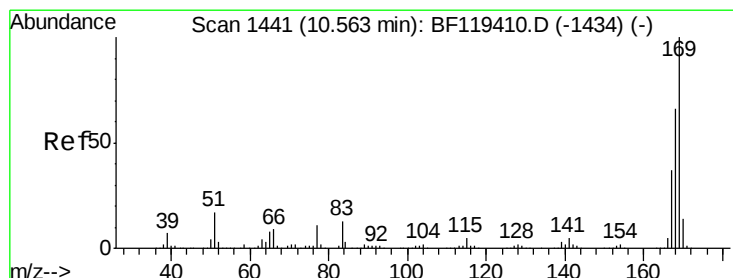
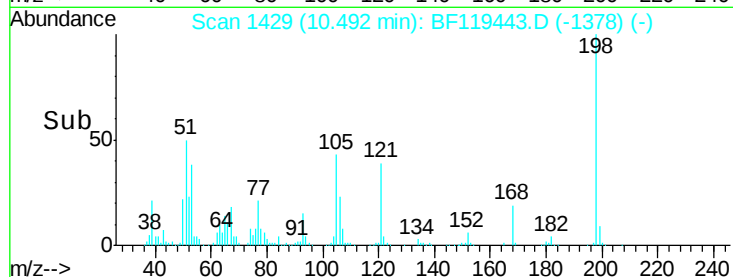
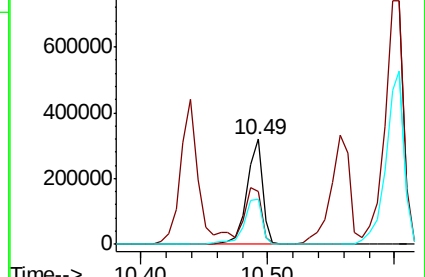
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 39.211 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.00 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

Tgt Ion:169 Resp: 1946799

Ion Ratio Lower Upper

169 100

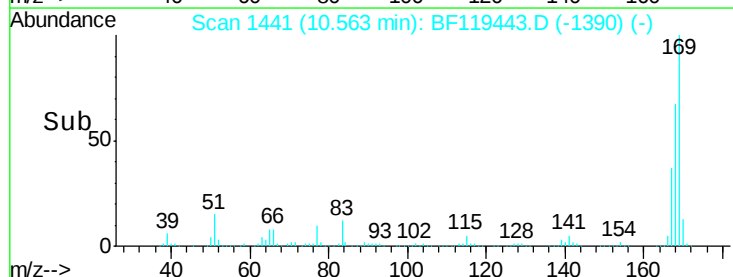
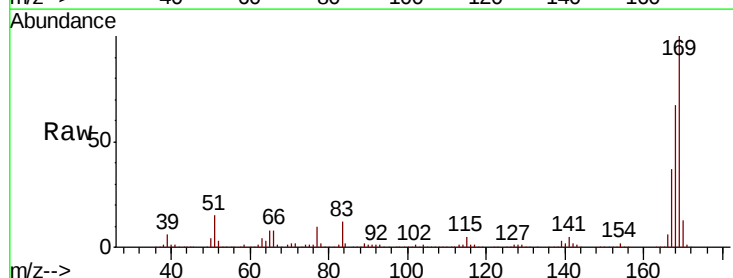
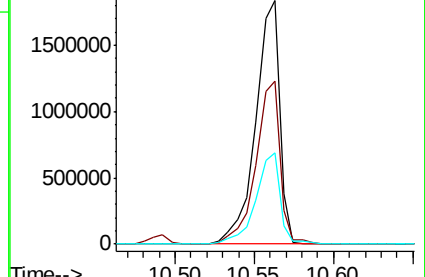
168 67.0 52.7 79.1

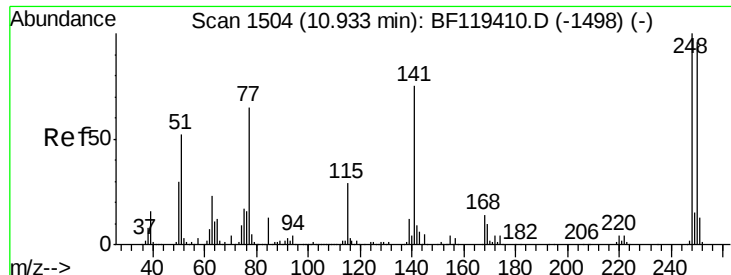
167 37.4 29.3 43.9

Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





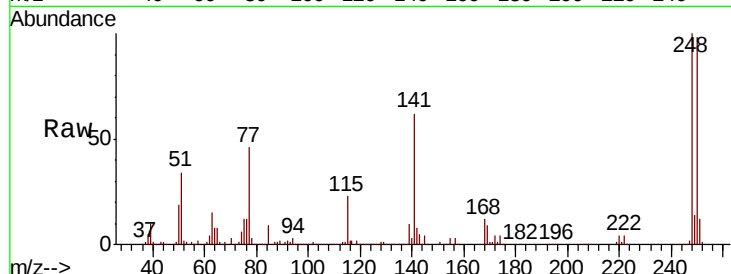
#67
4-Bromophenyl-phenylether
Concen: 38.809 ng
RT: 10.93 min Scan# 1504
Delta R.T. 0.00 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleID :
PB127678BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.0	115.6
141	62.0	59.7	89.5

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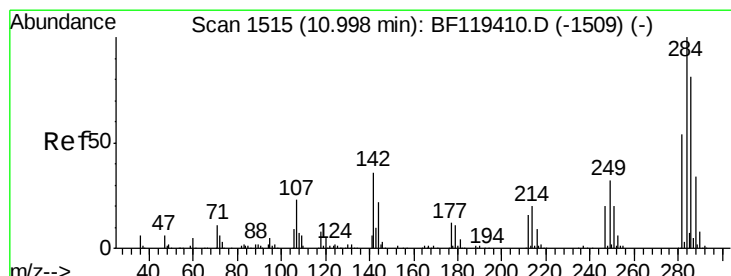
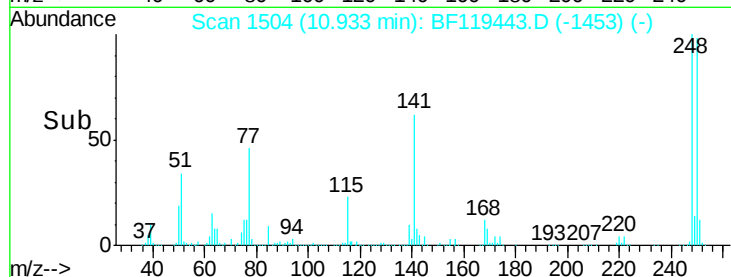
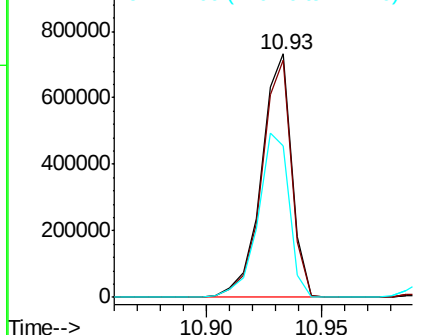


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 40.335 ng
RT: 11.00 min Scan# 1515
Delta R.T. 0.00 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

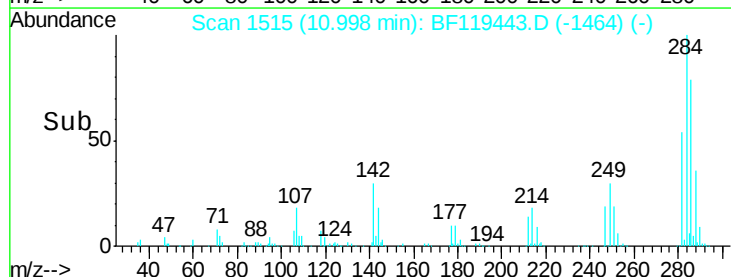
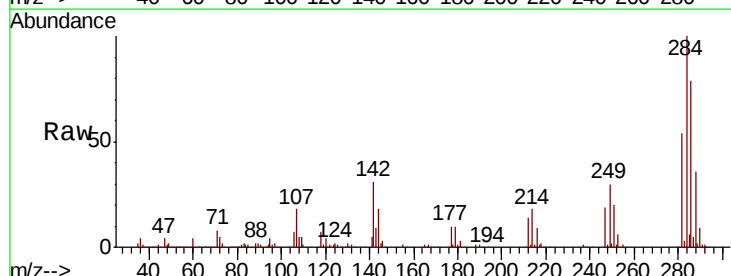
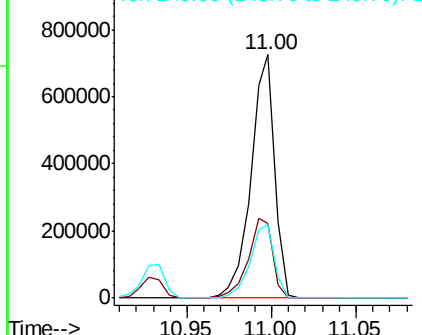
Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.6	28.7	43.1
249	30.2	25.4	38.0

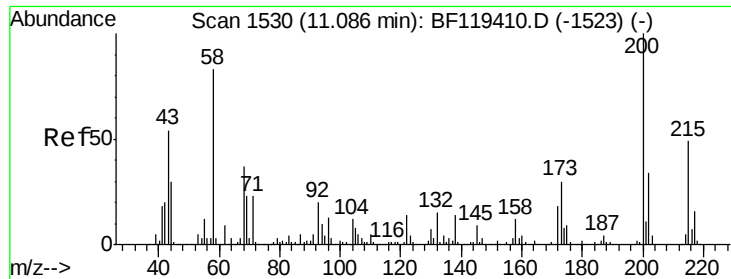
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





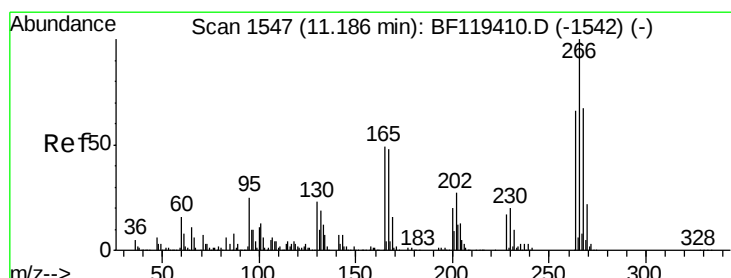
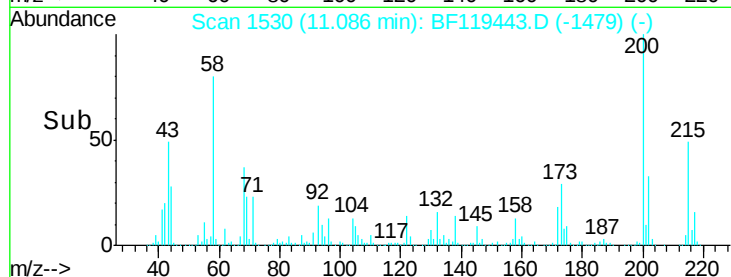
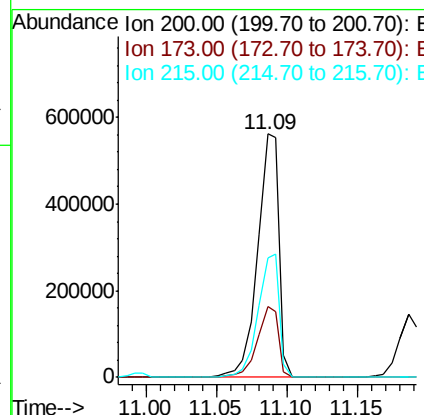
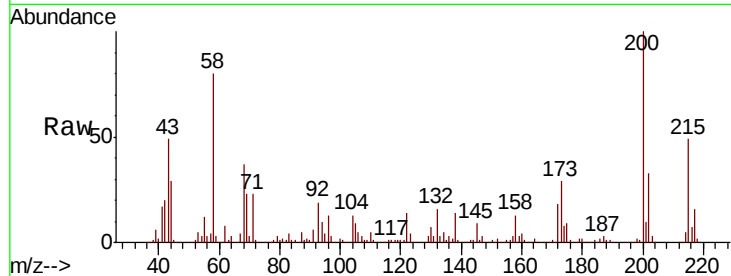
#69
Atrazine
Concen: 44.046 ng
RT: 11.09 min Scan# 1530
Delta R.T. 0.00 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	29.3	9.9	49.9
215	48.8	29.4	69.4

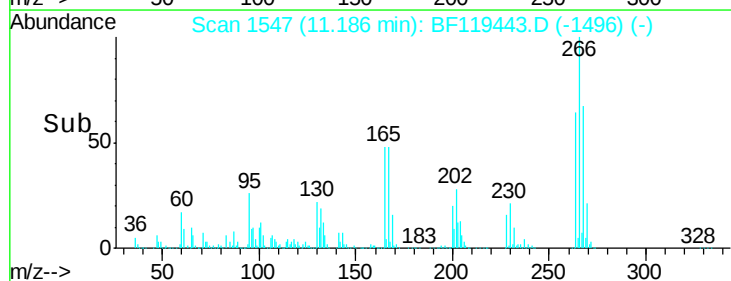
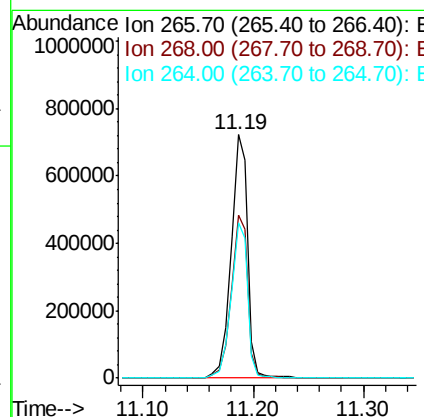
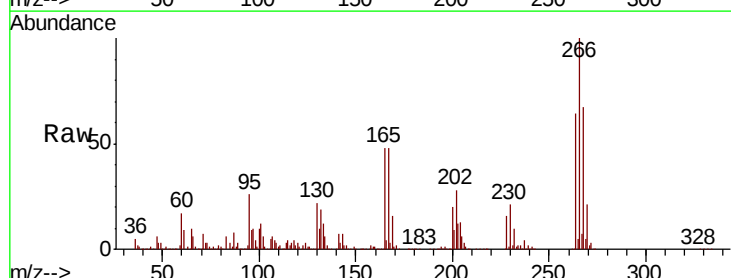
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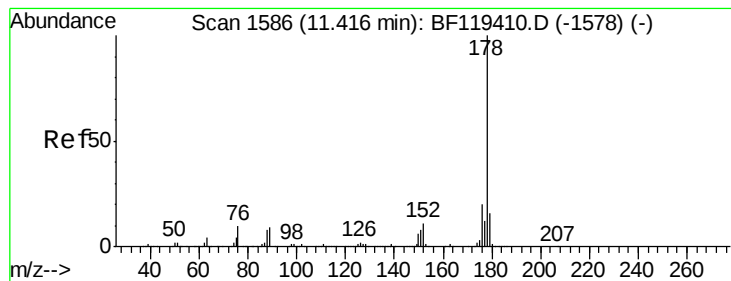
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#70
Pentachlorophenol
Concen: 73.628 ng
RT: 11.19 min Scan# 1547
Delta R.T. 0.00 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	67.0	53.7	80.5
264	63.6	52.5	78.7





#71

Phenanthrene

Concen: 38.049 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

Instrument :

BNA_F

ClientSampleId :

PB127678BS

Tot Ion:178 Resp: 2983799

Ion Ratio Lower Upper

178 100

176 20.7 16.2 24.4

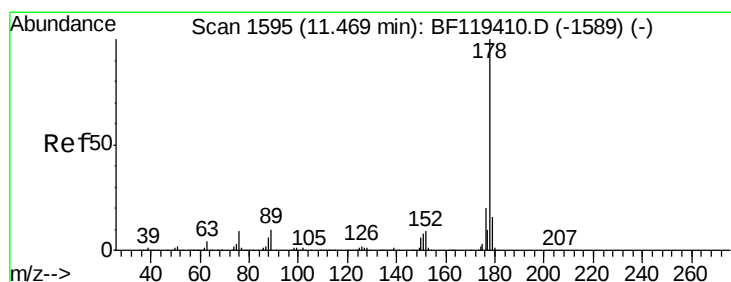
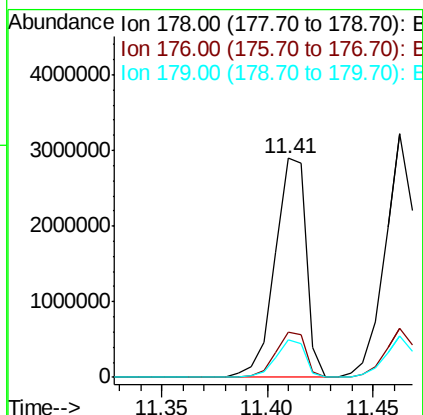
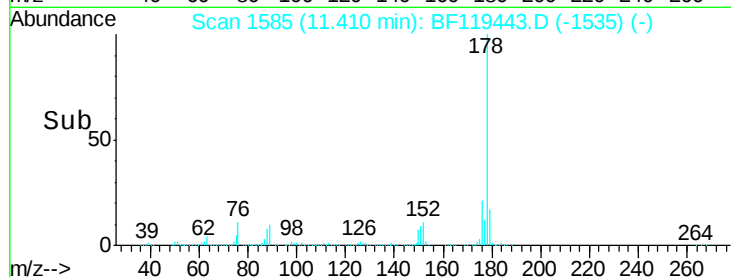
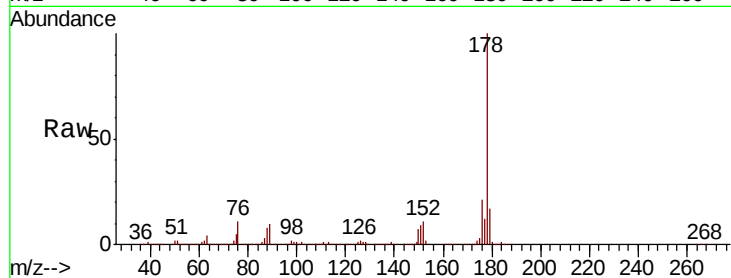
179 17.0 12.9 19.3

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#72

Anthracene

Concen: 38.046 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

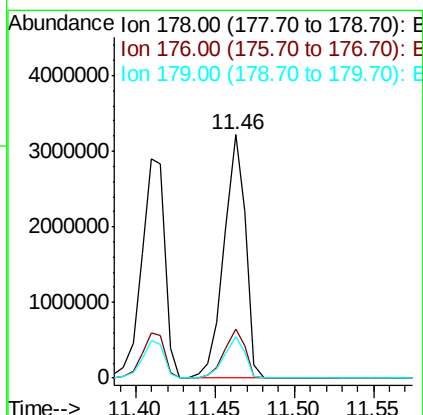
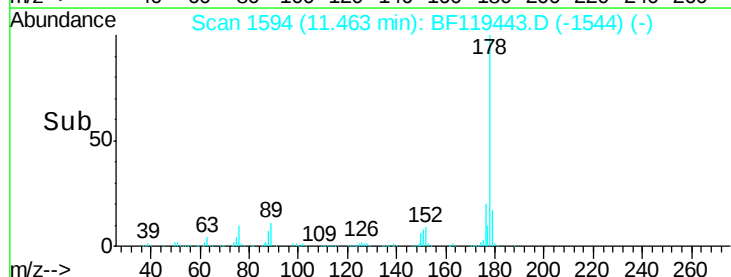
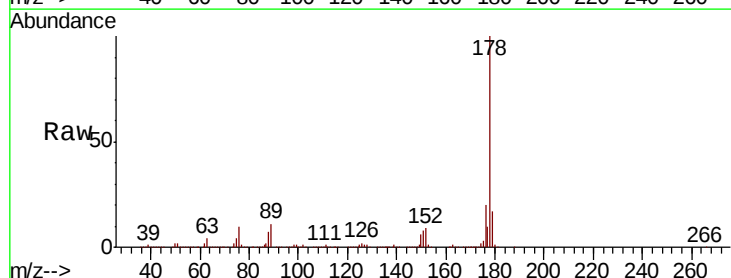
Tgt Ion:178 Resp: 3032339

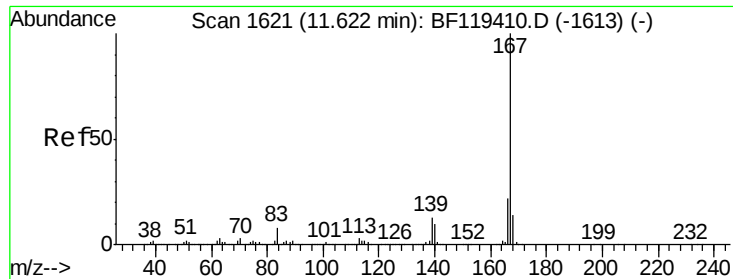
Ion Ratio Lower Upper

178 100

176 20.4 15.6 23.4

179 16.7 13.1 19.7





#73

Carbazole

Concen: 35.771 ng

RT: 11.62 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

Instrument :

BNA_F

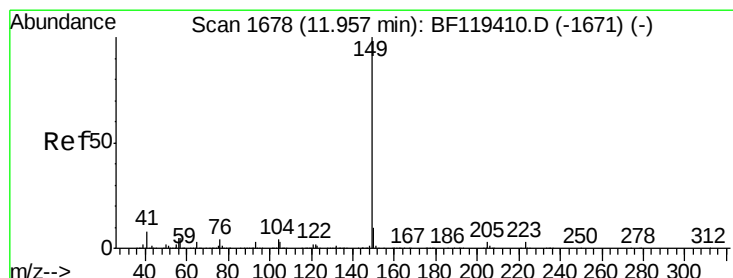
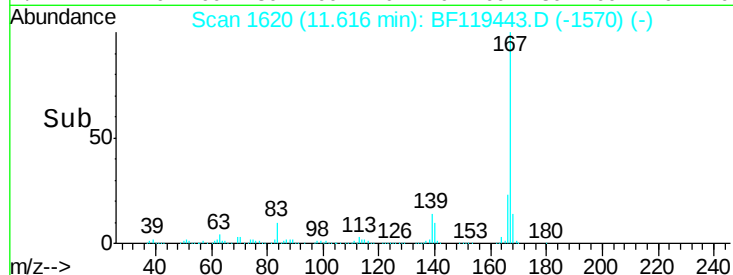
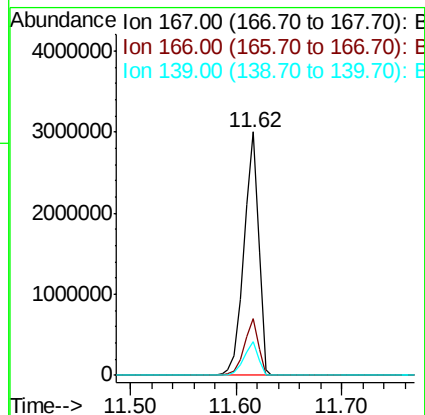
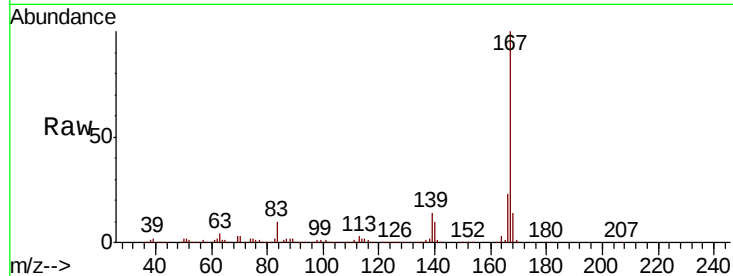
ClientSampleId :

PB127678BS

Tot Ion:	167	Resp:	2821947
Ion	Ratio	Lower	Upper
167	100		
166	23.2	17.8	26.6
139	13.7	10.2	15.4

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#74

Di-n-butylphthalate

Concen: 40.153 ng

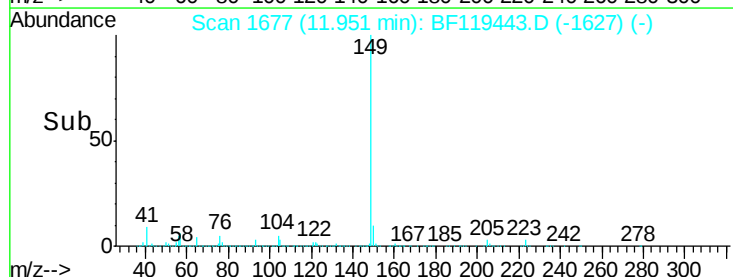
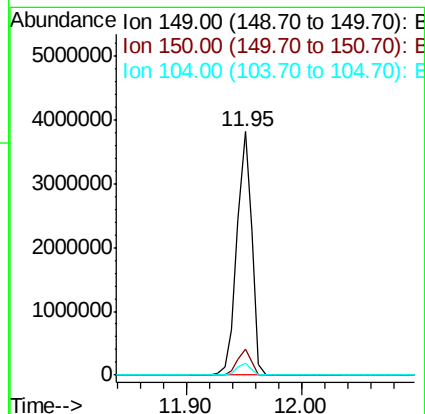
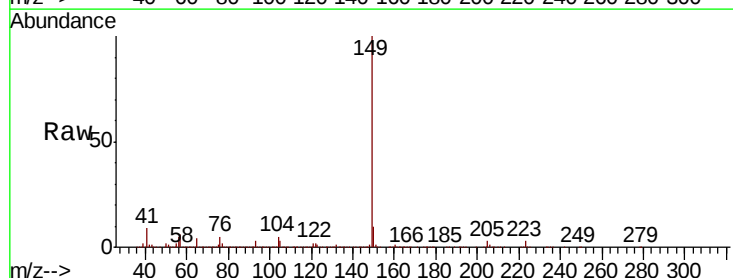
RT: 11.95 min Scan# 1677

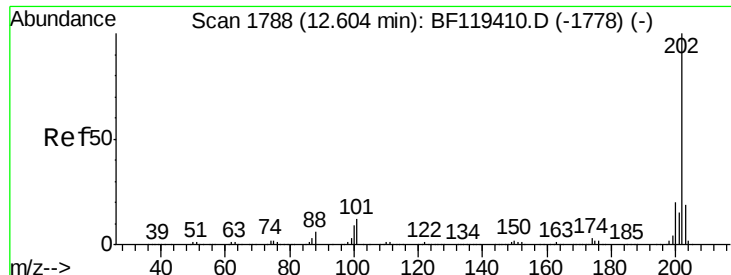
Delta R.T. -0.01 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

Tgt Ion:	149	Resp:	3388549
Ion	Ratio	Lower	Upper
149	100		
150	10.5	7.6	11.4
104	5.1	3.5	5.3





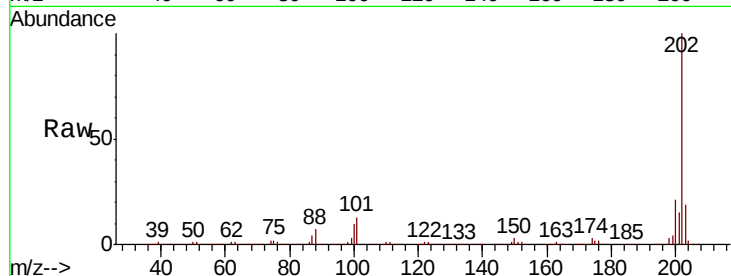
#75
Fluoranthene
Concen: 37.034 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

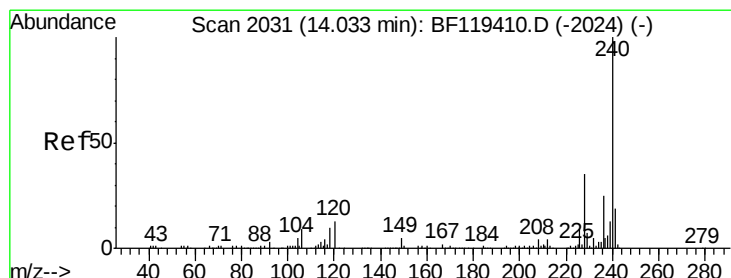
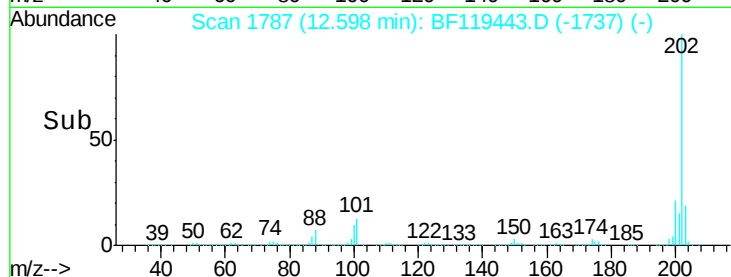
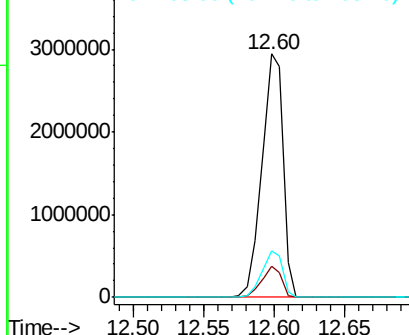
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	32.4
203	18.9	0.0	38.5

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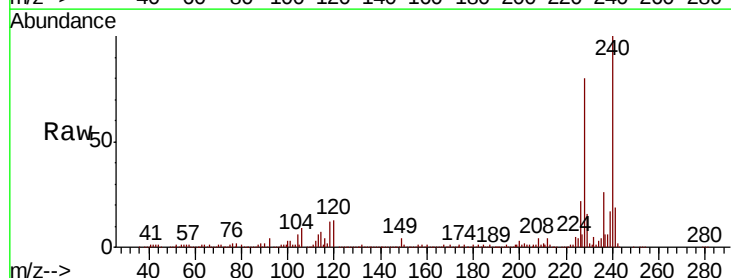


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

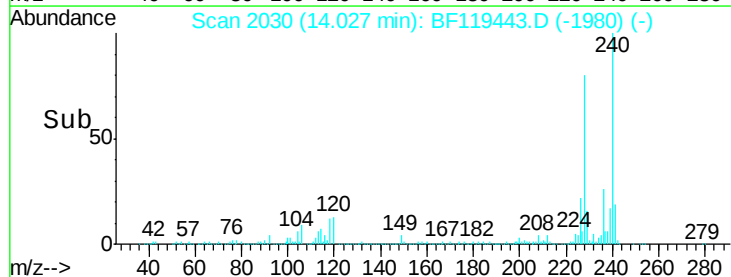
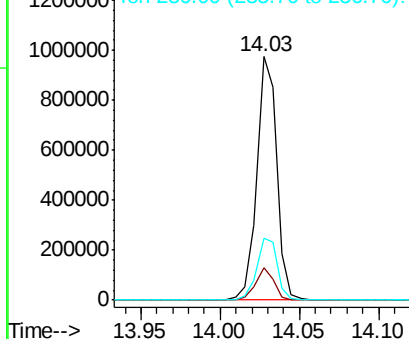


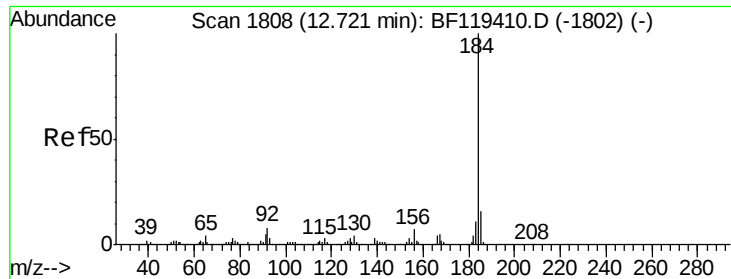
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.4	10.2	15.4
236	25.5	20.4	30.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





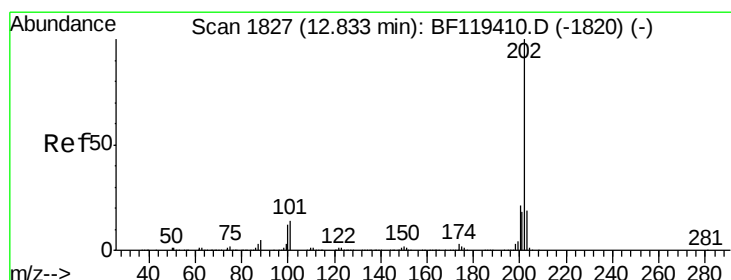
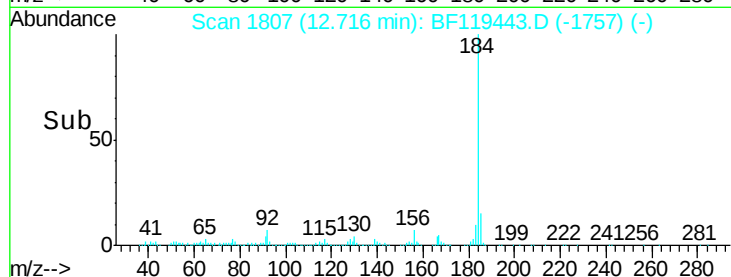
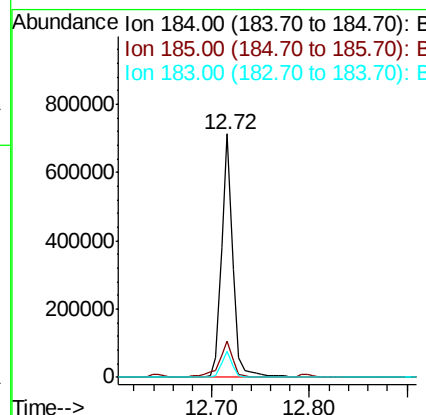
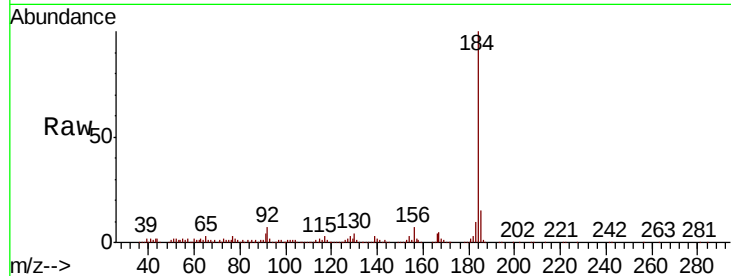
#77
Benzidine
Concen: 15.890 ng
RT: 12.72 min Scan# 1807
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

Tot Ion	Ratio	Lower	Upper
184	100		
185	14.9	12.9	19.3
183	10.5	9.0	13.4

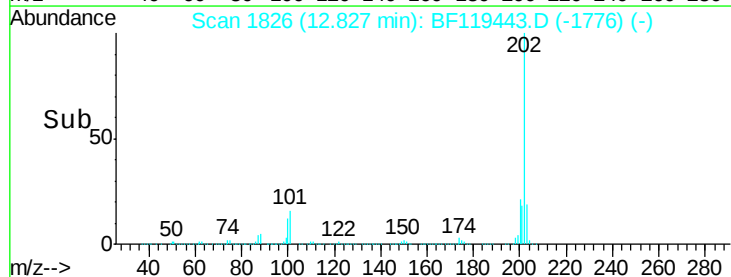
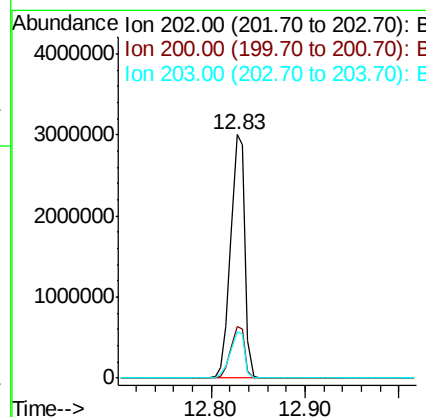
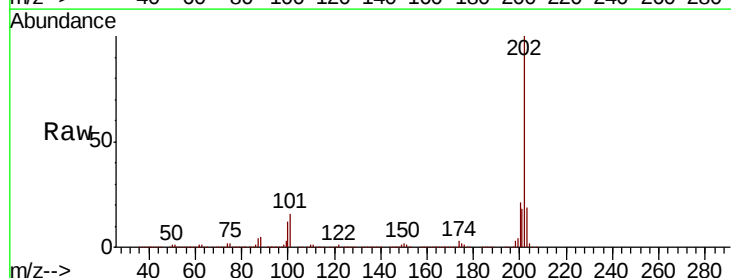
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#78
Pyrene
Concen: 45.051 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.8	25.2
203	19.0	14.8	22.2





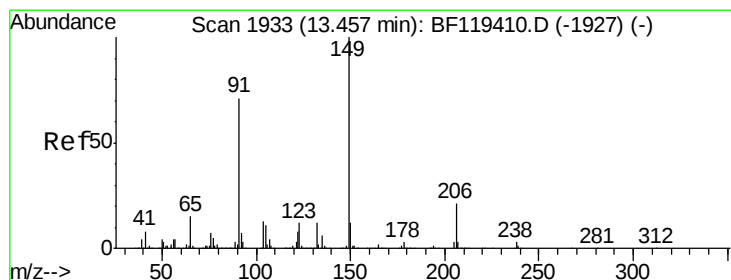
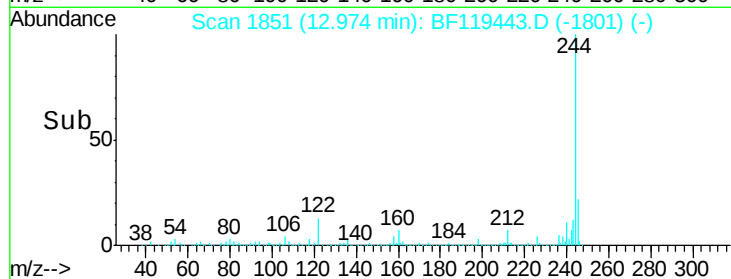
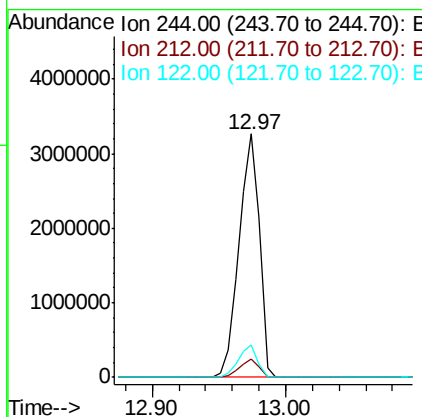
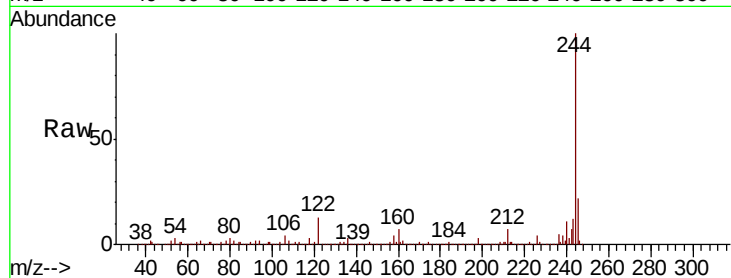
#79
 Terphenyl-d14
 Concen: 79.744 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF119443.D
 Acq: 19 Mar 2020 17:29

Instrument :
 BNA_F
 ClientSampleId :
 PB127678BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.7	8.5
122	13.5	9.8	14.8

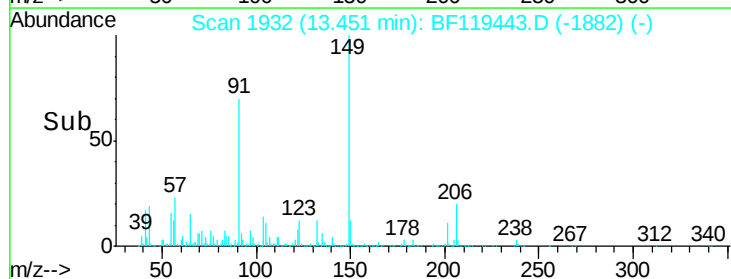
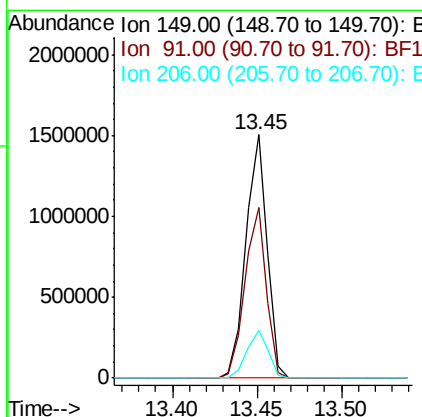
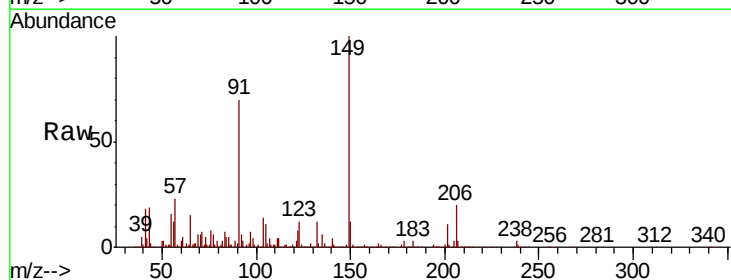
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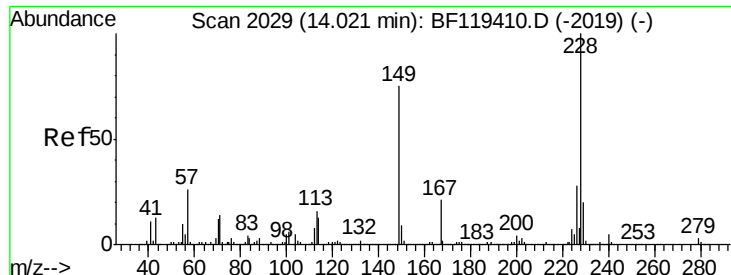
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#80
 Butylbenzylphthalate
 Concen: 46.765 ng
 RT: 13.45 min Scan# 1932
 Delta R.T. -0.01 min
 Lab File: BF119443.D
 Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Lower	Upper
149	100		
91	70.2	57.0	85.6
206	19.8	16.4	24.6





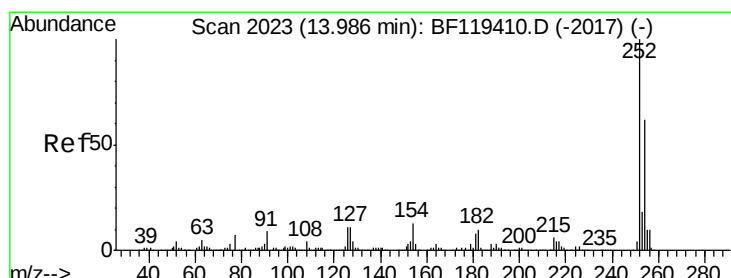
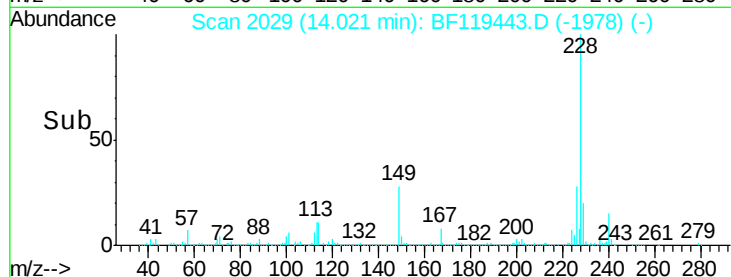
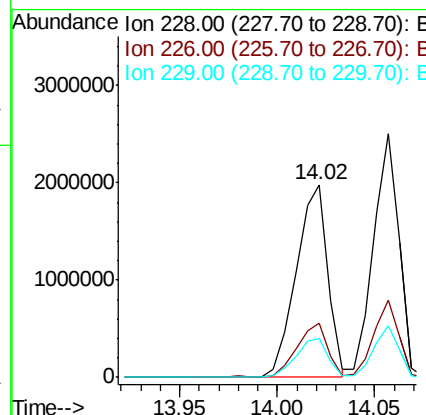
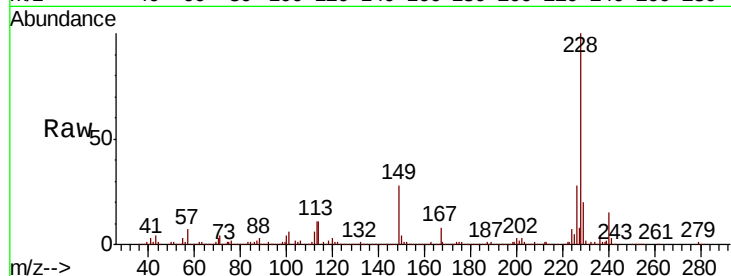
#81
Benzo(a)anthracene
Concen: 39.994 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.3	33.5
229	20.2	16.3	24.5

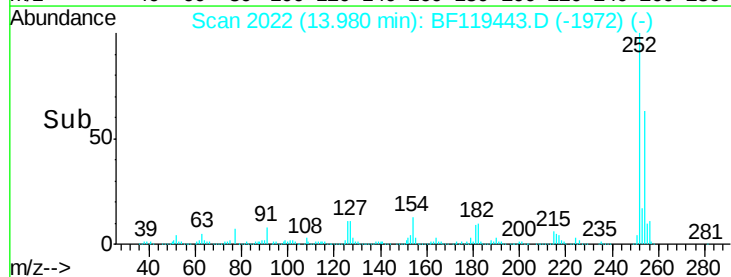
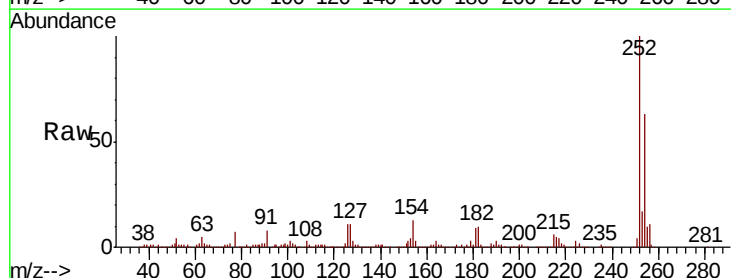
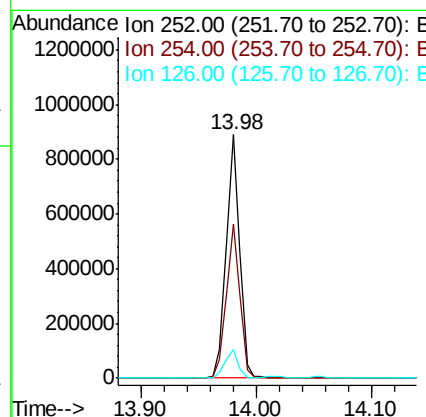
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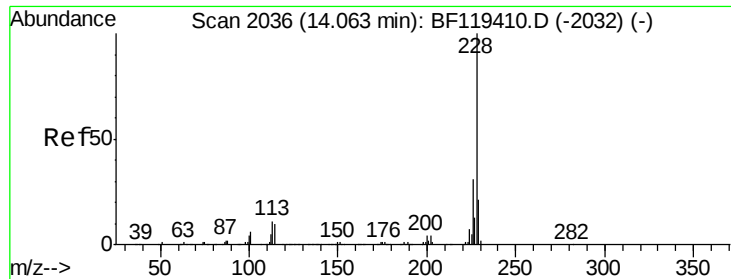
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#82
3,3'-Dichlorobenzidine
Concen: 33.408 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.3	49.8	74.8
126	11.5	8.9	13.3





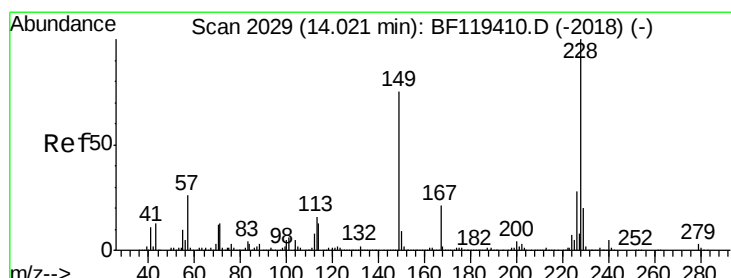
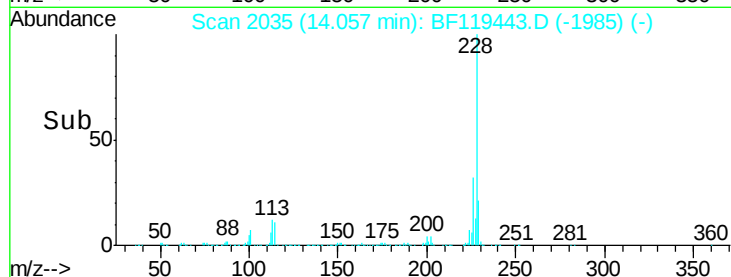
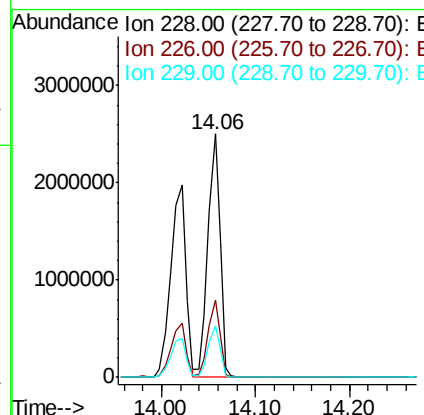
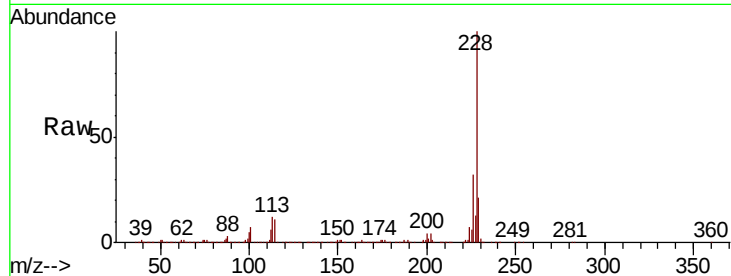
#83
Chrysene
Concen: 39.932 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

Tot Ion:228 Resp: 2279868
Ion Ratio Lower Upper
228 100
226 31.7 24.8 37.2
229 21.0 16.6 25.0

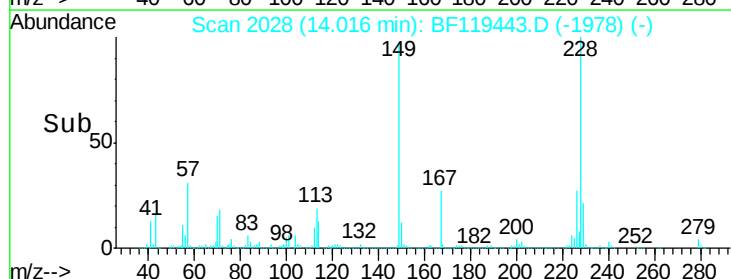
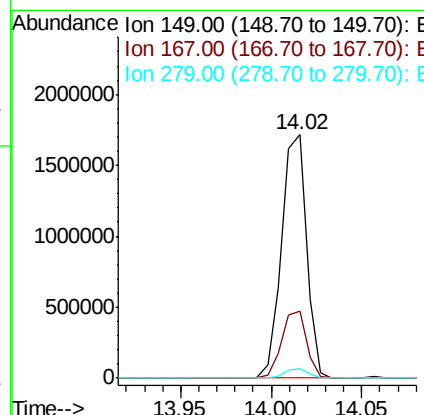
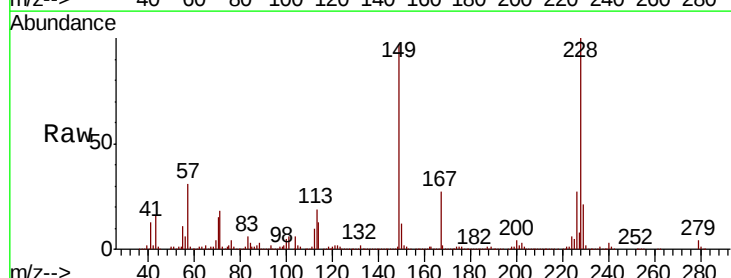
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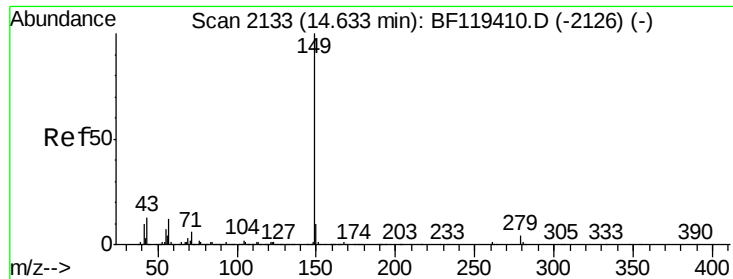
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#84
Bis(2-ethylhexyl)phthalate
Concen: 48.889 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion:149 Resp: 1645752
Ion Ratio Lower Upper
149 100
167 27.5 22.0 33.0
279 3.9 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 43.782 ng

RT: 14.63 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

Instrument :

BNA_F

ClientSampleId :

PB127678BS

Tot Ion:149 Resp: 2592048

Ion Ratio Lower Upper

149 100

167 1.7 1.1 1.7

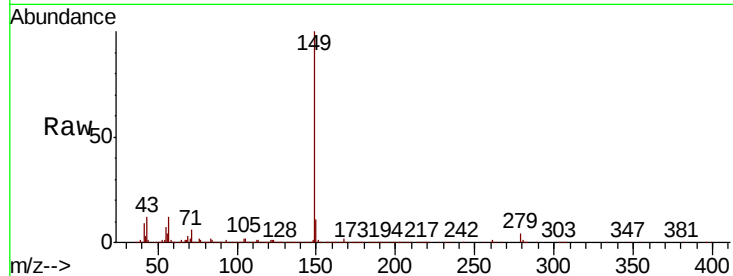
43 12.2 10.1 15.1

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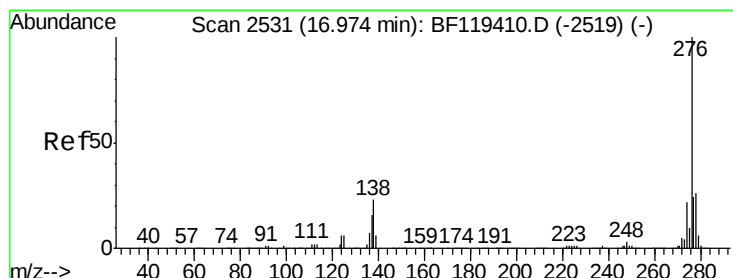
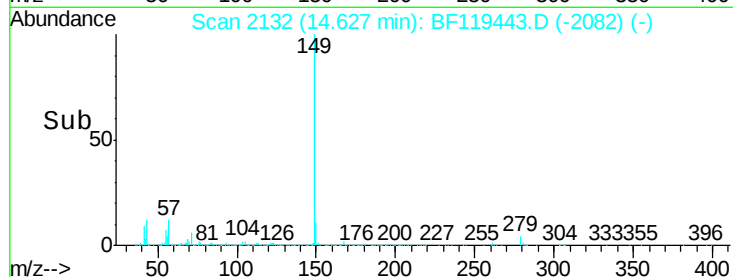
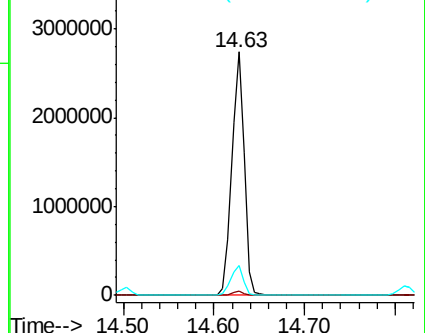
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 39.706 ng

RT: 16.96 min Scan# 2529

Delta R.T. -0.01 min

Lab File: BF119443.D

Acq: 19 Mar 2020 17:29

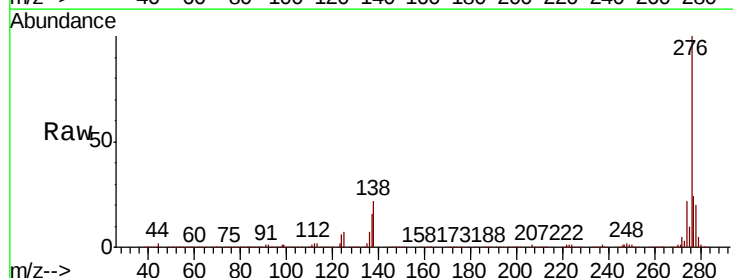
Tgt Ion:276 Resp: 2135079

Ion Ratio Lower Upper

276 100

138 25.6 21.3 31.9

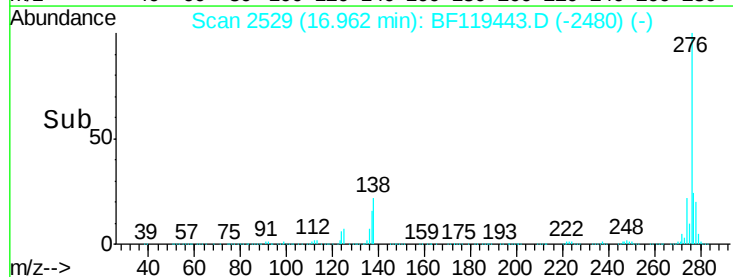
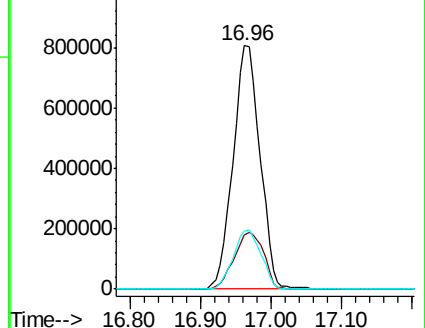
277 25.2 20.2 30.2

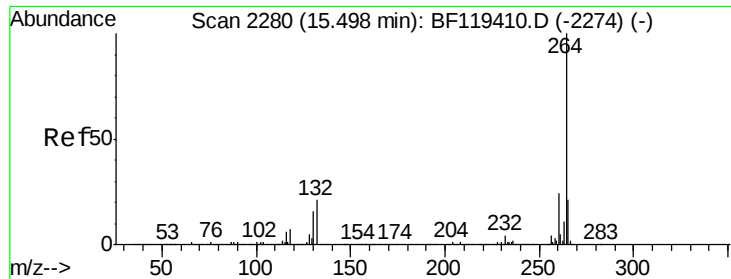


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





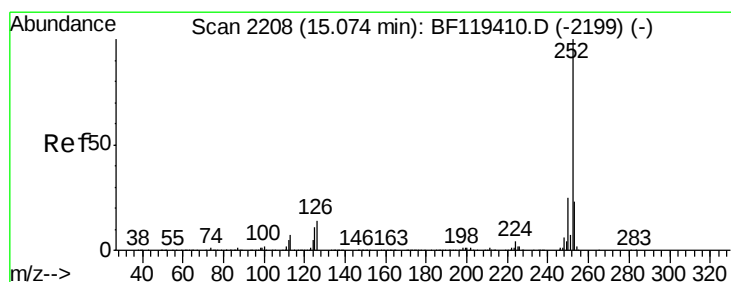
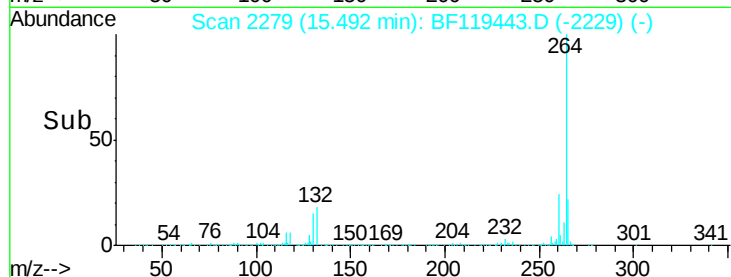
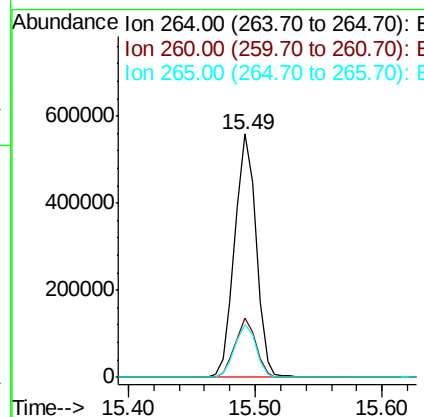
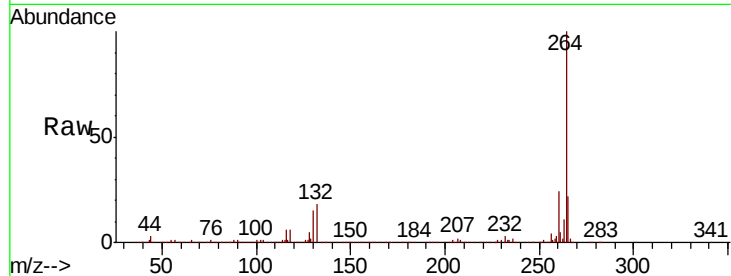
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.7	16.9	25.3

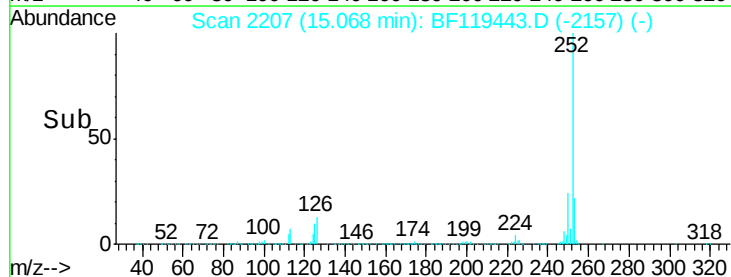
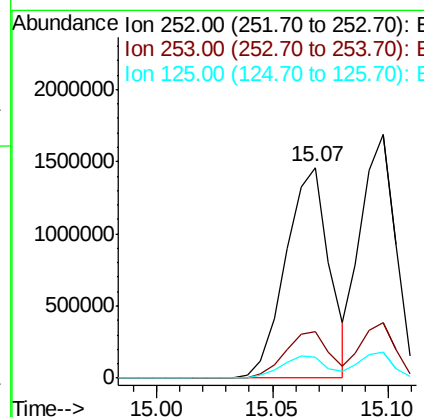
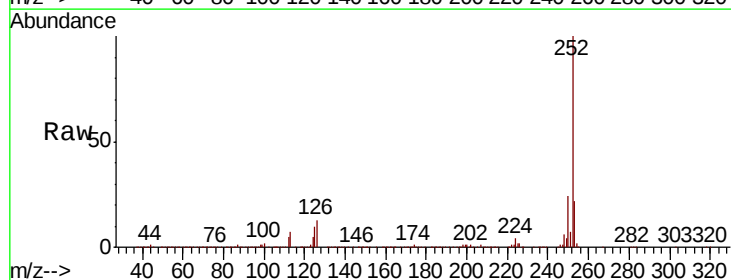
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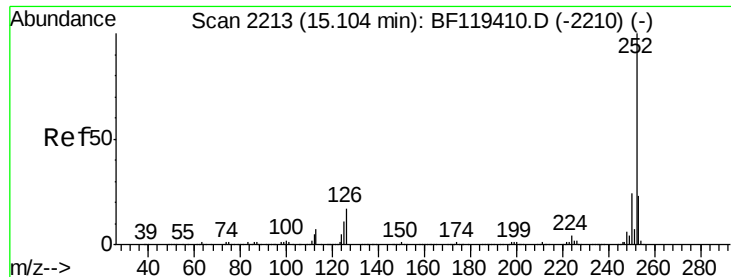
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#88
Benzo(b)fluoranthene
Concen: 43.893 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.4
125	9.9	8.8	13.2





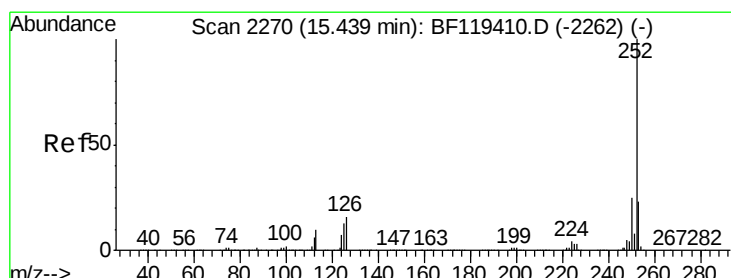
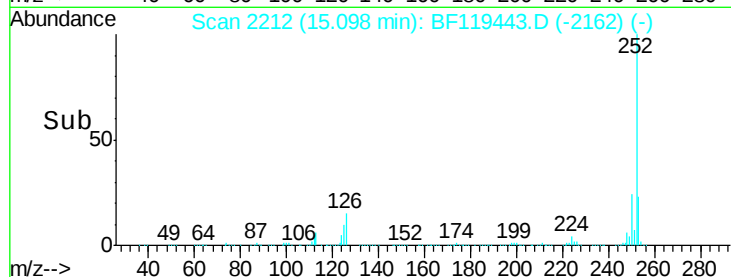
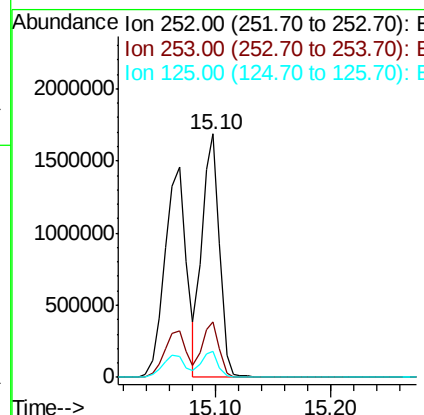
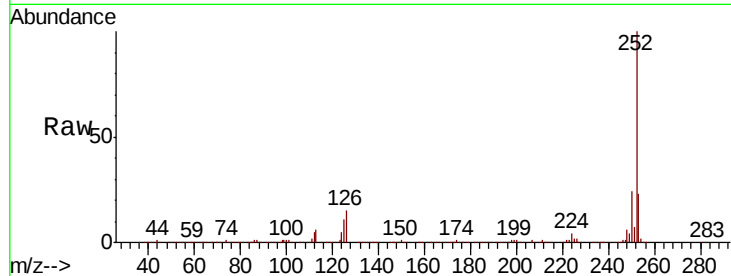
#89
Benzo(k)fluoranthene
Concen: 43.075 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	10.5	9.0	13.4

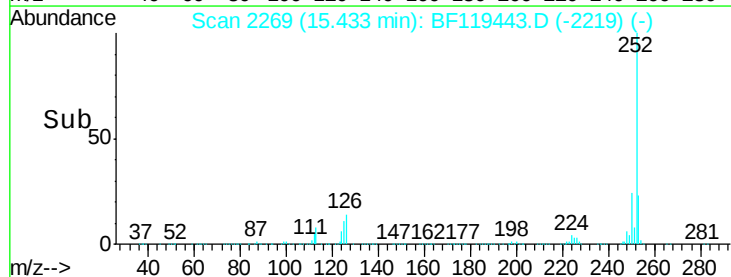
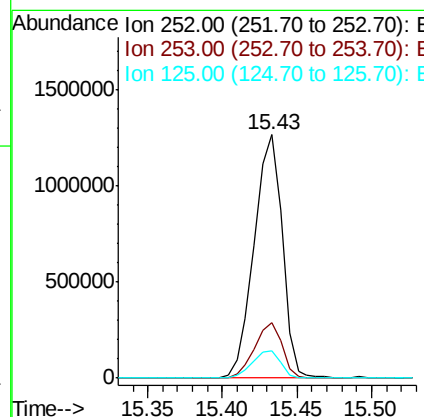
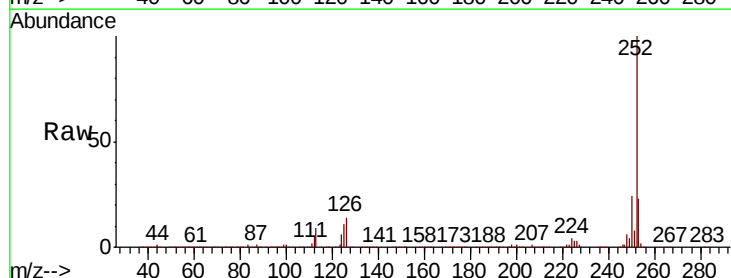
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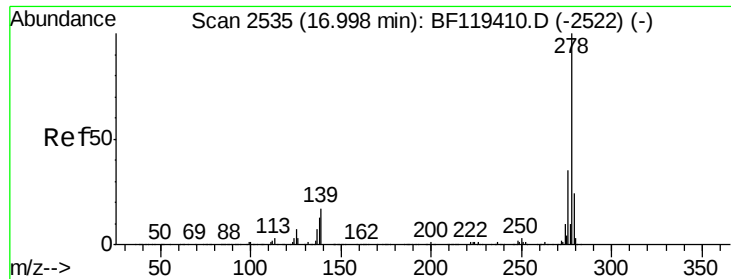
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#90
Benzo(a)pyrene
Concen: 41.717 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	11.3	10.2	15.2





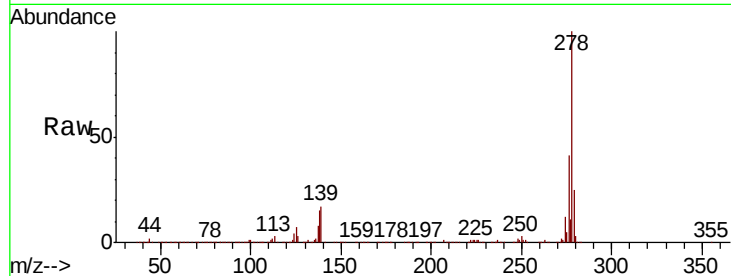
#91
Dibenzo(a,h)anthracene
Concen: 50.443 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Instrument :
BNA_F
ClientSampleId :
PB127678BS

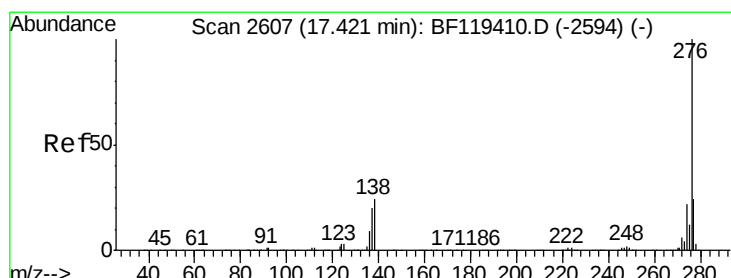
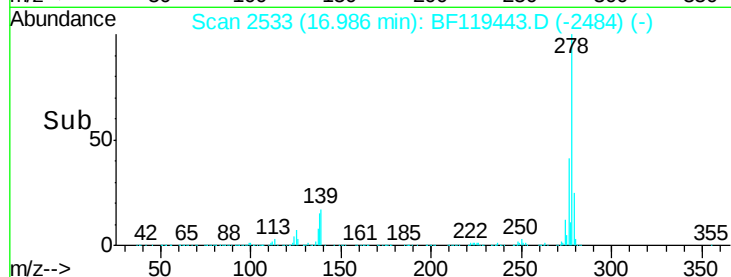
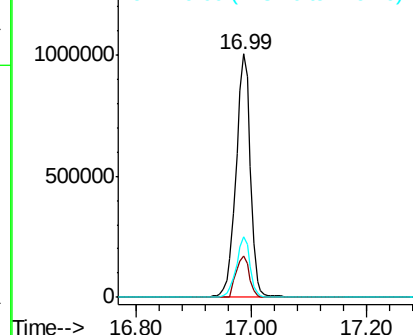
Tot Ion:278 Resp: 1745368
Ion Ratio Lower Upper
278 100
139 17.2 13.7 20.5
279 25.0 19.2 28.8

Manual Integrations
APPROVED

mohammad
3/20/2020 11:47:20 AM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 54.936 ng
RT: 17.42 min Scan# 2606
Delta R.T. -0.01 min
Lab File: BF119443.D
Acq: 19 Mar 2020 17:29

Tgt Ion:276 Resp: 1909643
Ion Ratio Lower Upper
276 100
277 23.5 18.8 28.2
138 23.3 19.1 28.7

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

