

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032520\
 Data File : BF119515.D
 Acq On : 25 Mar 2020 21:02
 Operator : CG/JU
 Sample : L2028-01MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-30-(8-8.5)MSD

Manual Integrations
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mohammad
 3/27/2020 8:12:05 AM

Quant Time: Mar 26 03:25:31 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	362993	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	1442694	20.00	ng	-0.01
39) Acenaphthene-d10	9.89	164	768335	20.00	ng	-0.01
64) Phenanthrene-d10	11.38	188	1489403	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	1004393	20.00	ng	0.00
87) Perylene-d12	15.49	264	930866	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1845626	80.94	ng	0.00
7) Phenol-d6	6.47	99	2465703	84.65	ng	0.00
23) Nitrobenzene-d5	7.41	82	1571963	59.22	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	781947	98.65	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	3032568	58.47	ng	-0.01
79) Terphenyl-d14	12.97	244	3396319	66.25	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.65	88	372535	33.079	ng	99
3) Pyridine	3.39	79	1051033	33.876	ng	98
4) n-Nitrosodimethylamine	3.35	42	625276	41.327	ng	# 98
6) Aniline	6.50	93	1456914	36.240	ng	99
8) 2-Chlorophenol	6.63	128	1232858	51.478	ng	98
9) Benzaldehyde	6.39	77	758001	41.021	ng	99
10) Phenol	6.49	94	1579834	50.830	ng	99
11) bis(2-Chloroethyl)ether	6.58	93	1170500	47.087	ng	97
12) 1,3-Dichlorobenzene	6.79	146	1200487	46.315	ng	99
13) 1,4-Dichlorobenzene	6.86	146	1213818	46.818	ng	99
14) 1,2-Dichlorobenzene	7.02	146	1151272	47.507	ng	99
15) Benzyl Alcohol	6.99	79	1059787	48.368	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.12	45	2262014	45.114	ng	97
17) 2-Methylphenol	7.10	107	1017935	46.390	ng	98
18) Hexachloroethane	7.36	117	470882	49.560	ng	96
19) n-Nitroso-di-n-propylamine	7.27	70	880135	50.130	ng	96
20) 3+4-Methylphenols	7.25	107	1219691m	45.356	ng	
22) Acetophenone	7.26	105	1595261	46.276	ng	# 89
24) Nitrobenzene	7.43	77	1306610	46.058	ng	99
25) Isophorone	7.67	82	2511669	46.643	ng	98
26) 2-Nitrophenol	7.75	139	670742	60.049	ng	97
27) 2,4-Dimethylphenol	7.79	122	1151414	49.852	ng	98
28) bis(2-Chloroethoxy)methane	7.88	93	1563885	49.113	ng	99
29) 2,4-Dichlorophenol	7.99	162	1054089	49.670	ng	99
30) 1,2,4-Trichlorobenzene	8.07	180	1099183	46.834	ng	99
31) Naphthalene	8.16	128	3316610	44.673	ng	98
32) Benzoic acid	7.92	122	928514	62.496	ng	98
33) 4-Chloroaniline	8.20	127	632604	18.595	ng	99
34) Hexachlorobutadiene	8.27	225	635554	48.400	ng	99
35) Caprolactam	8.59	113	386328m	55.623	ng	
36) 4-Chloro-3-methylphenol	8.69	107	1169594	50.425	ng	98
37) 2-Methylnaphthalene	8.85	142	2386688	48.983	ng	99
38) 1-Methylnaphthalene	8.95	142	2261538	49.037	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	1011359	44.908	ng	98

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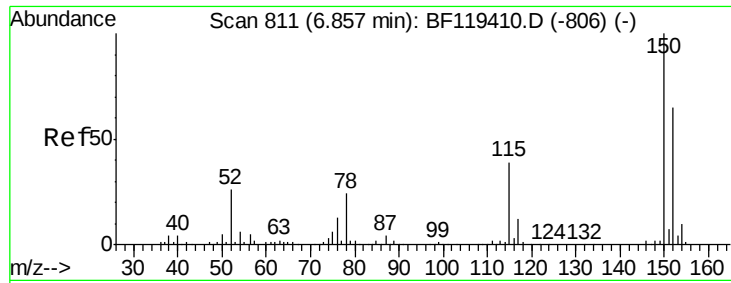
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	1241498	96.968	nq	99
43) 2,4,6-Trichlorophenol	9.12	196	800953	49.699	nq	100
44) 2,4,5-Trichlorophenol	9.16	196	841361	46.603	nq	96
46) 1,1'-Biphenyl	9.32	154	2814815	44.981	nq	98
47) 2-Chloronaphthalene	9.34	162	2233795	45.572	nq	99
48) 2-Nitroaniline	9.43	65	852652	50.396	nq	98
49) Acenaphthylene	9.76	152	3479035	45.197	nq	98
50) Dimethylphthalate	9.62	163	3098739	56.779	nq	98
51) 2,6-Dinitrotoluene	9.68	165	624524	53.388	nq	86
52) Acenaphthene	9.93	154	2241935	46.719	nq	99
53) 3-Nitroaniline	9.85	138	394471	26.711	nq	96
54) 2,4-Dinitrophenol	9.95	184	661259	126.036	nq	94
55) Dibenzofuran	10.10	168	3141230	45.656	nq	99
56) 4-Nitrophenol	10.01	139	1076593	92.409	nq	89
57) 2,4-Dinitrotoluene	10.09	165	819634	55.621	nq	96
58) Fluorene	10.45	166	2412357	47.415	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.22	232	710622	52.658	nq	98
60) Diethylphthalate	10.32	149	2810118	50.733	nq	98
61) 4-Chlorophenyl-phenylether	10.43	204	1192699	47.938	nq	98
62) 4-Nitroaniline	10.47	138	672706	47.501	nq	99
63) Azobenzene	10.60	77	2661121	47.708	nq	96
65) 4,6-Dinitro-2-methylphenol	10.49	198	432562	69.260	nq	93
66) n-Nitrosodiphenylamine	10.56	169	2307958	47.203	nq	97
67) 4-Bromophenyl-phenylether	10.93	248	810034	47.755	nq	96
68) Hexachlorobenzene	10.99	284	858850	49.471	nq	95
69) Atrazine	11.09	200	709659	52.942	nq	99
70) Pentachlorophenol	11.19	266	970380	95.327	nq	98
71) Phenanthrene	11.41	178	3437305	44.508	nq	98
72) Anthracene	11.46	178	3558830	45.340	nq	98
73) Carbazole	11.61	167	3355995	43.197	nq	97
74) Di-n-butylphthalate	11.94	149	4252983	51.174	nq	# 96
75) Fluoranthene	12.60	202	3684721	44.086	nq	98
77) Benzidine	12.72	184	2253296	53.011	nq	99
78) Pyrene	12.83	202	3698338	44.867	nq	98
80) Butylbenzylphthalate	13.44	149	1928248	57.837	nq	98
81) Benzo(a)anthracene	14.02	228	2880480	44.102	nq	98
82) 3,3'-Dichlorobenzidine	13.97	252	867366	33.681	nq	98
83) Chrysene	14.06	228	3014405	44.720	nq	98
84) Bis(2-ethylhexyl)phthalate	14.01	149	2440541	61.408	nq	98
85) Di-n-octyl phthalate	14.62	149	4337867	62.061	nq	# 99
86) Indeno(1,2,3-cd)pyrene	16.96	276	2710048	42.689	nq	97
88) Benzo(b)fluoranthene	15.06	252	3198338	51.435	nq	99
89) Benzo(k)fluoranthene	15.10	252	2712327	45.809	nq	99
90) Benzo(a)pyrene	15.43	252	2585554	45.754	nq	97
91) Dibenzo(a,h)anthracene	16.99	278	2231169	45.140	nq	98
92) Benzo(g,h,i)perylene	17.41	276	2187824	44.060	nq	96

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



#1

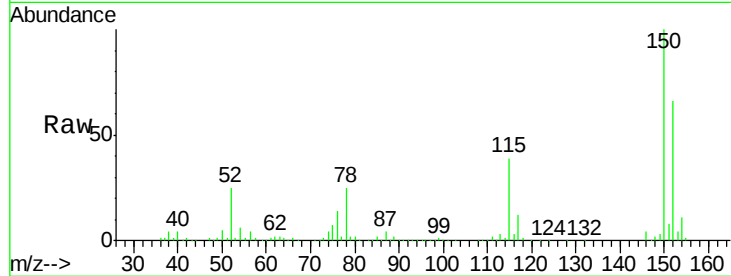
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
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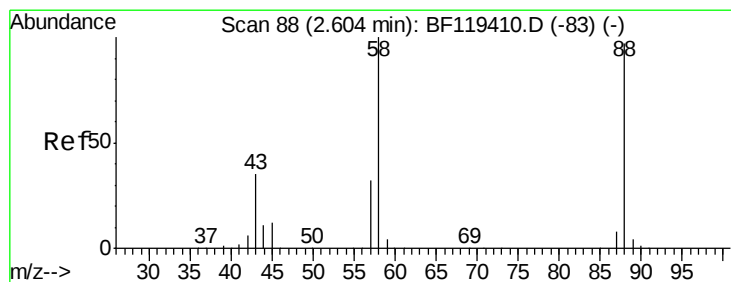
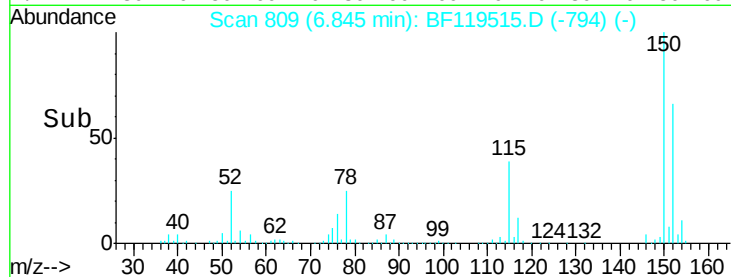
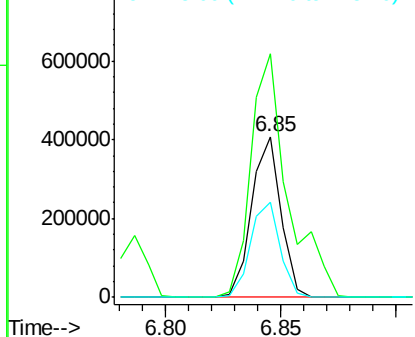
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.7	123.9	185.9
115	59.2	47.8	71.6

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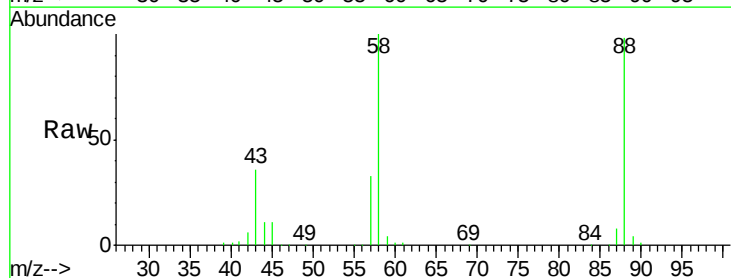
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



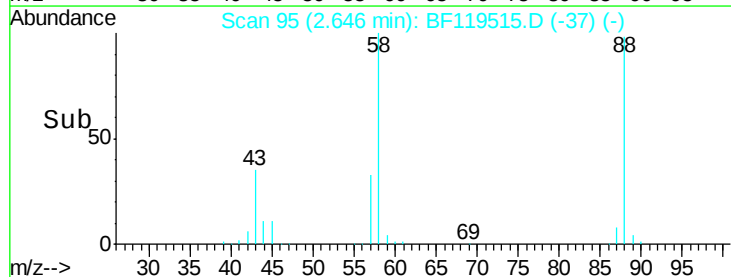
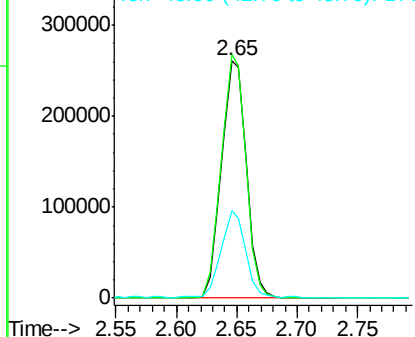
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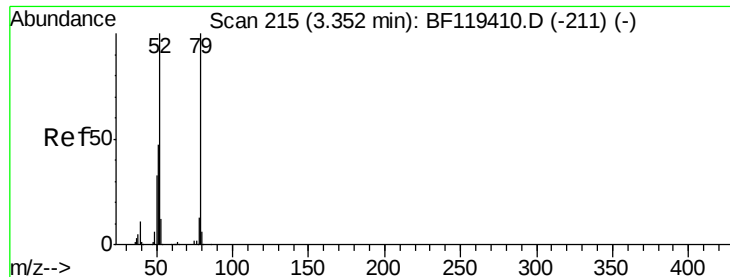
1,4-Dioxane
Concen: 33.079 ng
RT: 2.65 min Scan# 95
Delta R.T. 0.04 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion	Ratio	Lower	Upper
88	100		
58	100.7	79.4	119.2
43	36.1	28.4	42.6



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 33.876 ng

RT: 3.39 min Scan# 221

Delta R.T. 0.04 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Instrument :

BNA_F

ClientSampleId :

SB-30-(8-8.5)MSD

Tot Ion: 79 Resp: 1051033

Ion Ratio Lower Upper

79 100

52 97.9 80.0 120.0

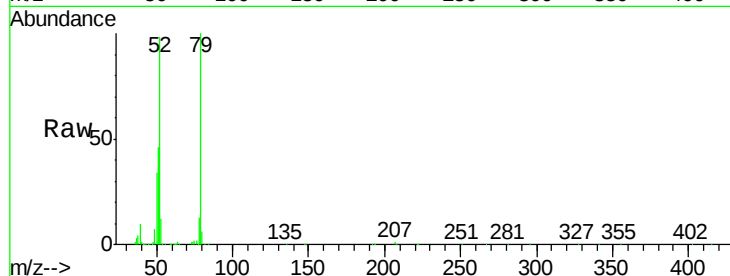
51 45.7 37.9 56.9

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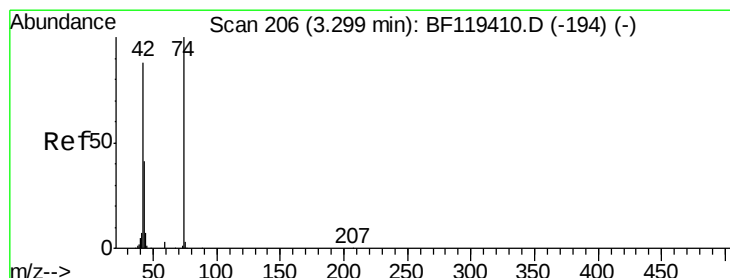
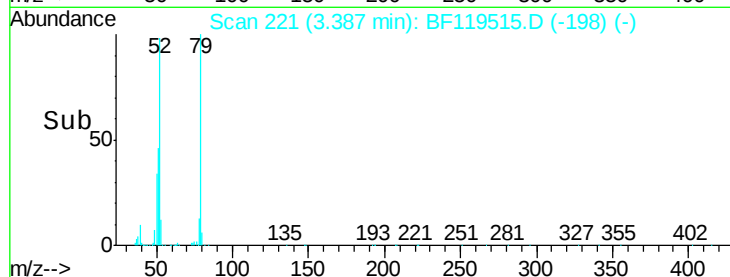
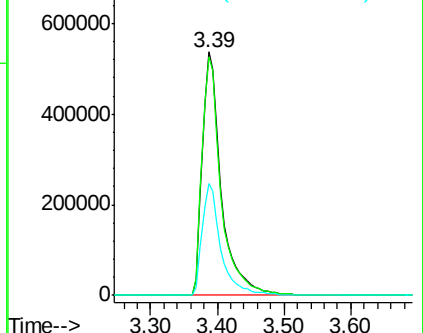
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Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 41.327 ng

RT: 3.35 min Scan# 214

Delta R.T. 0.05 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

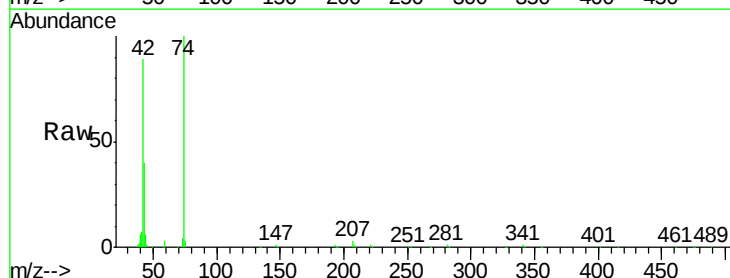
Tgt Ion: 42 Resp: 625276

Ion Ratio Lower Upper

42 100

74 112.0 91.3 136.9

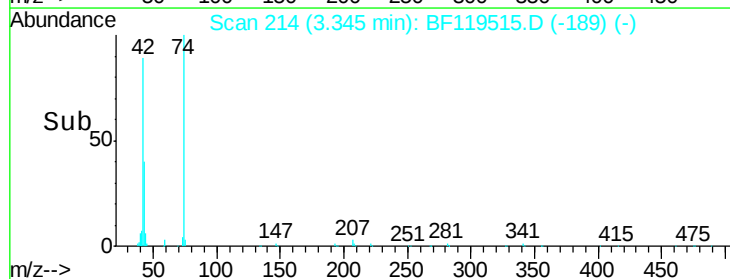
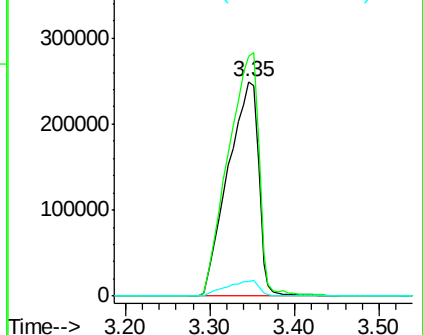
44 7.0 7.1 10.7#

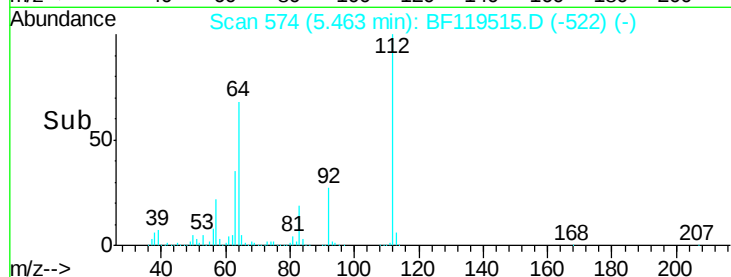
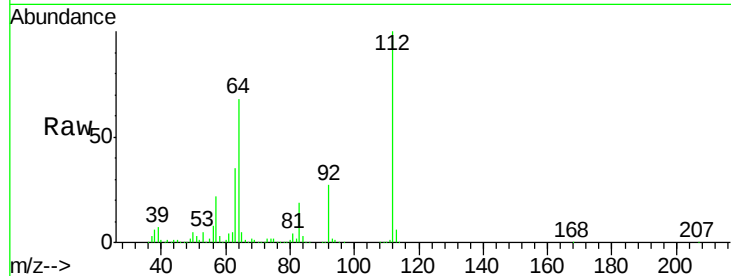
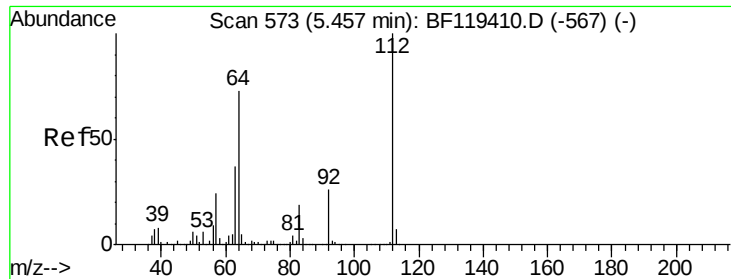


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 80.940 ng

RT: 5.46 min Scan# 574

Delta R.T. 0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Tot Ion:	112	Resp:	1845626
Ion	Ratio	Lower	Upper
112	100		
64	68.2	58.1	87.1
63	35.5	29.7	44.5

Instrument :

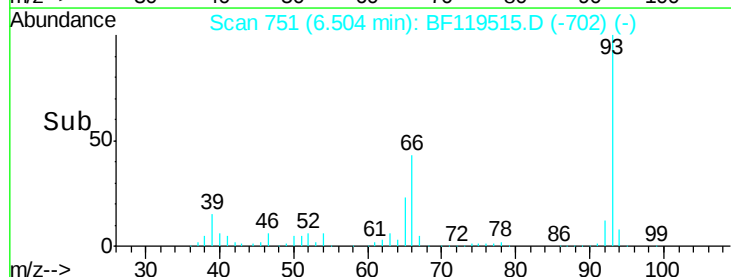
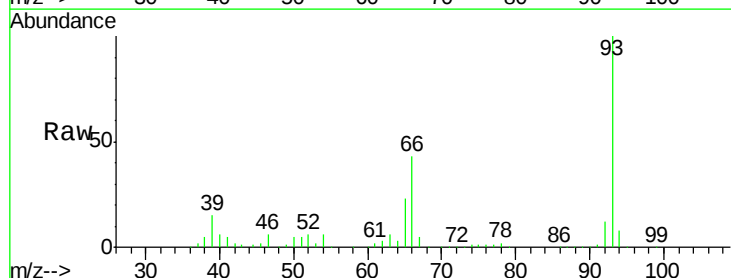
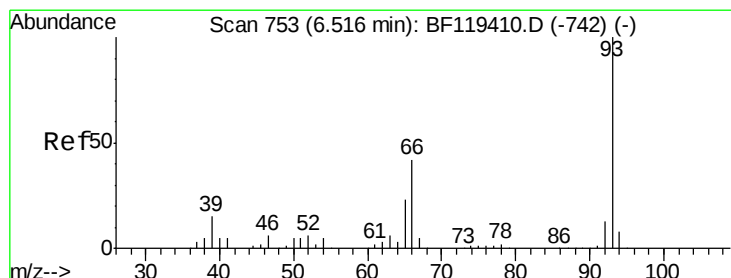
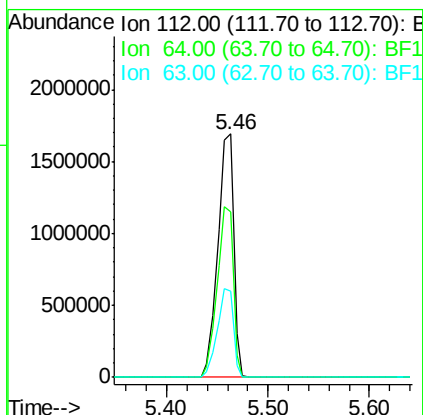
BNA_F

ClientSampleId :

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#6

Aniline

Concen: 36.240 ng

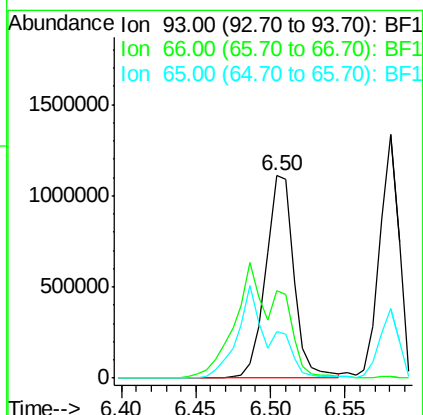
RT: 6.50 min Scan# 751

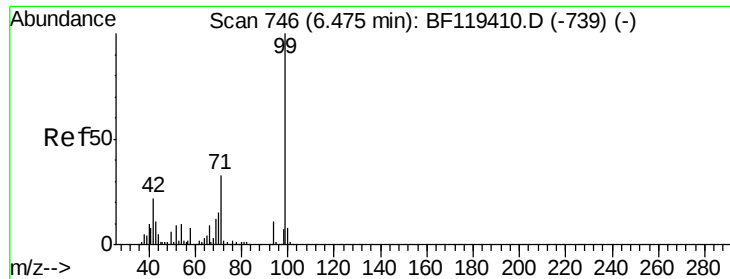
Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Tgt Ion:	93	Resp:	1456914
Ion	Ratio	Lower	Upper
93	100		
66	43.5	34.2	51.4
65	22.7	18.2	27.4





#7

Phenol-d6

Concen: 84.649 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Instrument :

BNA_F

ClientSampleId :

SB-30-(8-8.5)MSD

Tot Ion: 99 Resp: 2465703

Ion Ratio Lower Upper

99 100

42 20.9 17.8 26.6

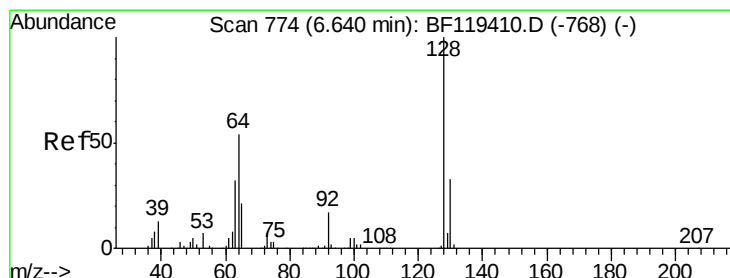
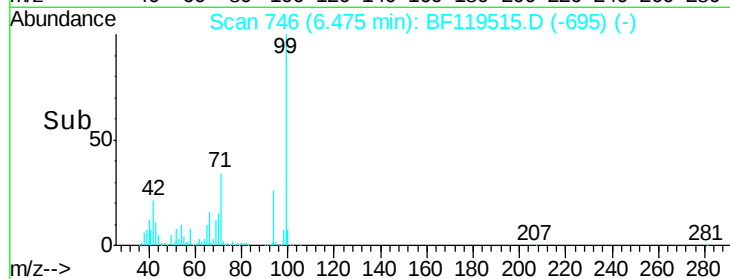
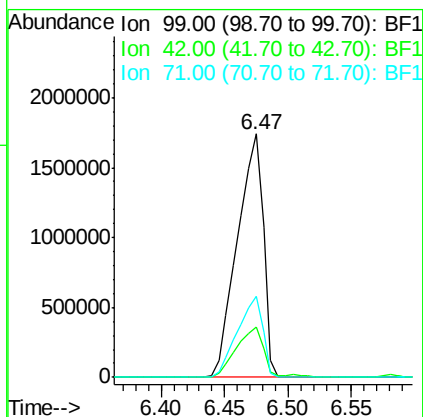
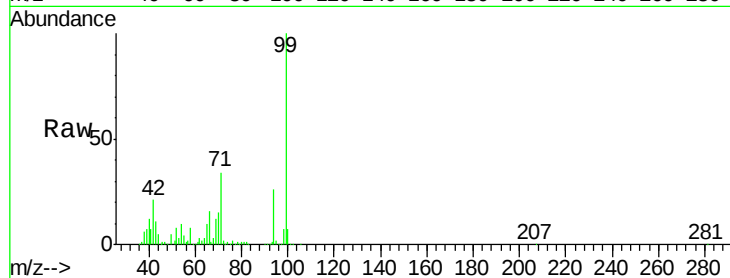
71 33.5 26.0 39.0

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#8

2-Chlorophenol

Concen: 51.478 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

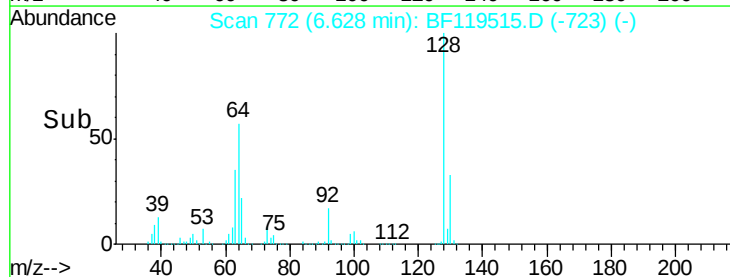
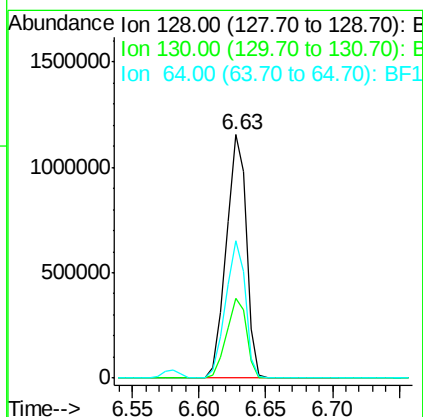
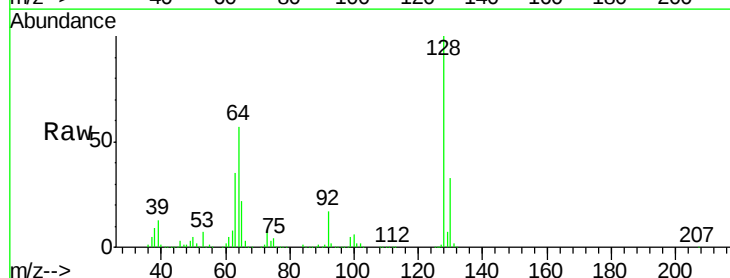
Tgt Ion: 128 Resp: 1232858

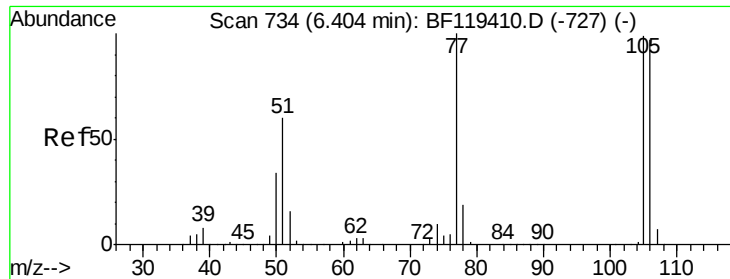
Ion Ratio Lower Upper

128 100

130 32.6 13.0 53.0

64 56.6 35.1 75.1





#9

Benzaldehyde

Concen: 41.021 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Instrument :

BNA_F

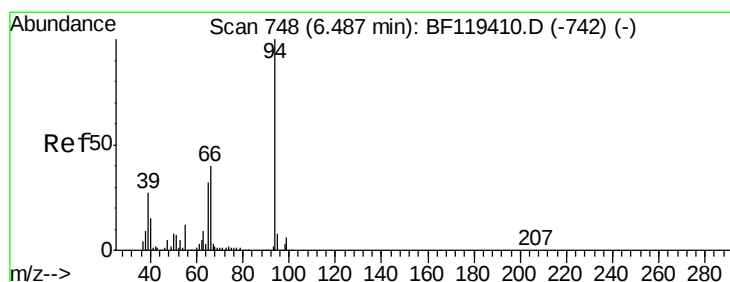
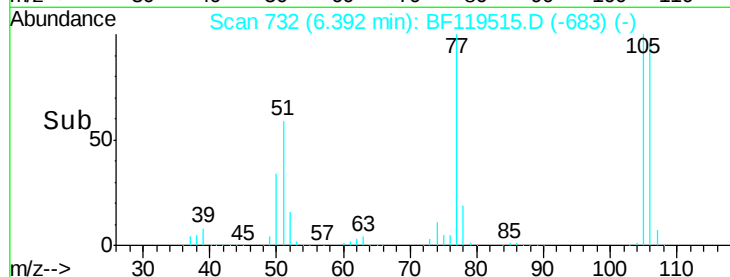
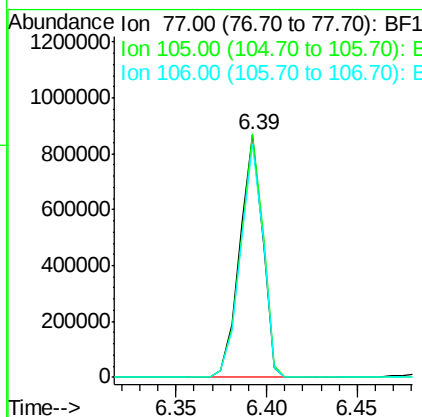
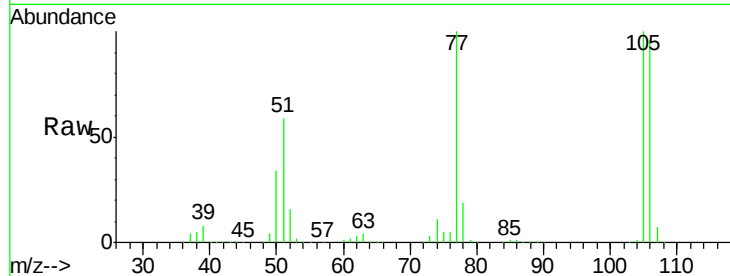
ClientSampleId :

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Tot Ion:	77	Resp:	758001
Ion	Ratio	Lower	Upper
77	100		
105	100.5	78.6	118.6
106	96.2	76.5	116.5

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#10

Phenol

Concen: 50.830 ng

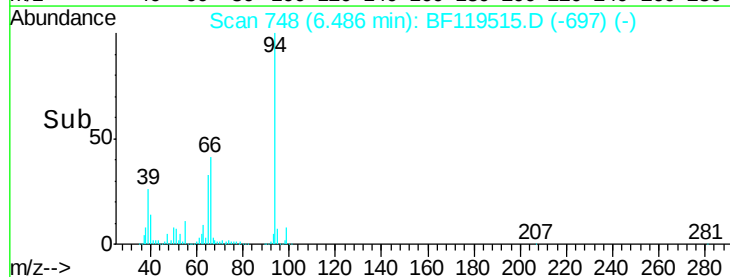
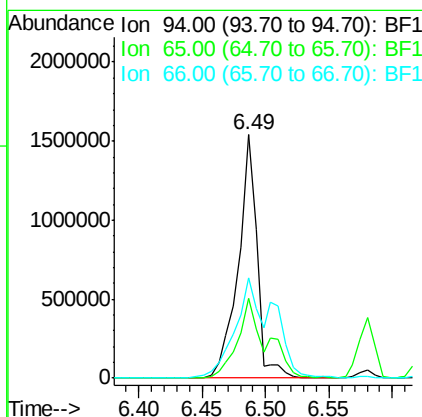
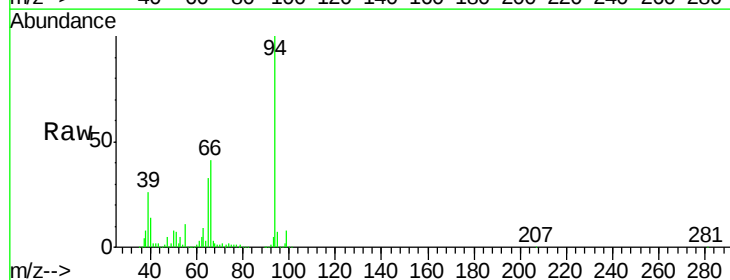
RT: 6.49 min Scan# 748

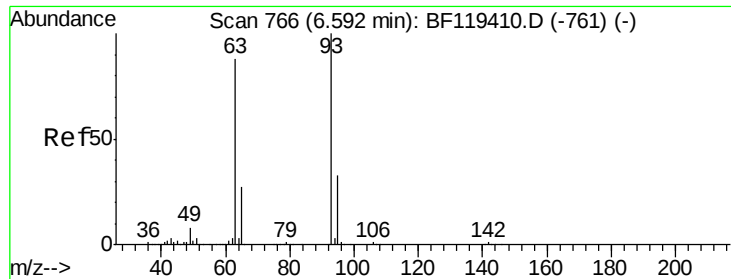
Delta R.T. -0.00 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Tgt Ion:	94	Resp:	1579834
Ion	Ratio	Lower	Upper
94	100		
65	32.8	12.0	52.0
66	41.3	20.6	60.6





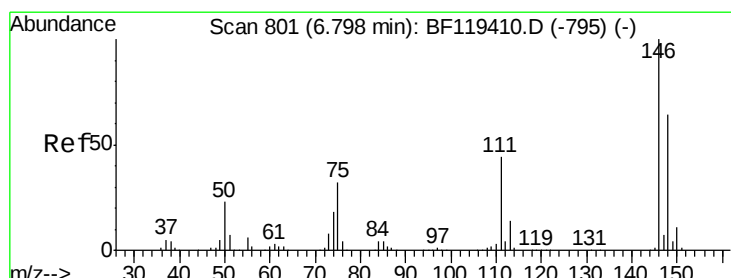
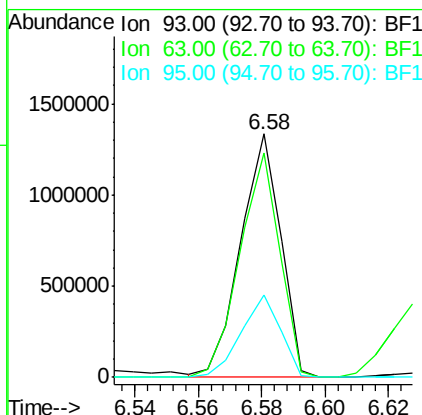
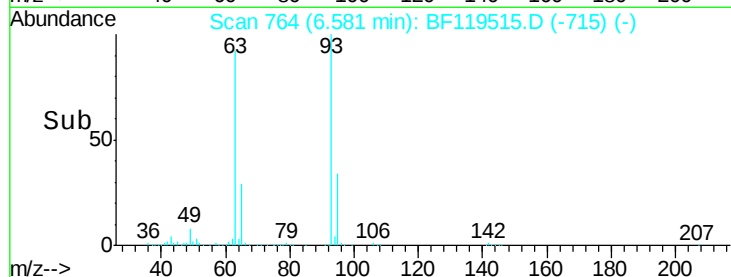
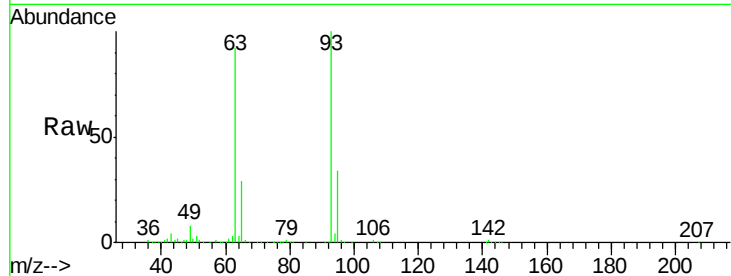
#11
bis(2-Chloroethyl)ether
Concen: 47.087 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

Tot Ion: 93 Resp: 1170500
Ion Ratio Lower Upper
93 100
63 92.3 68.4 108.4
95 33.6 13.4 53.4

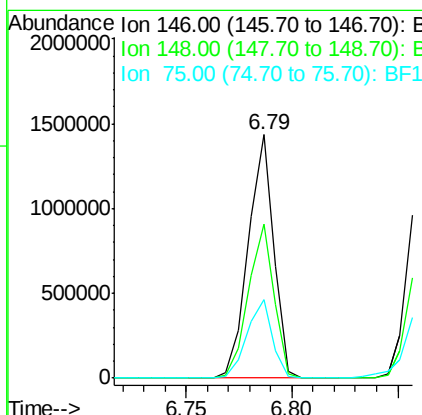
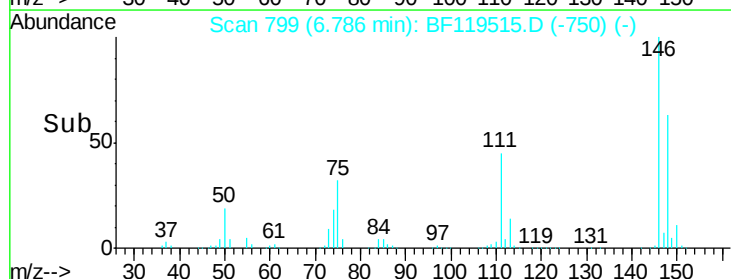
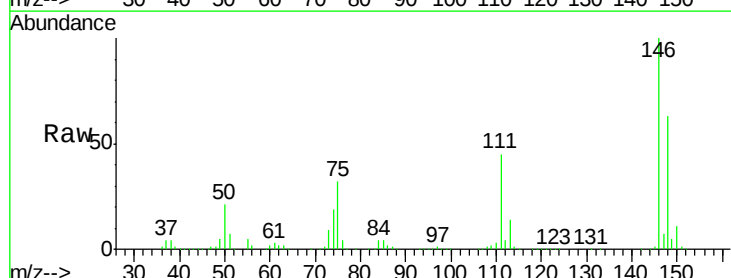
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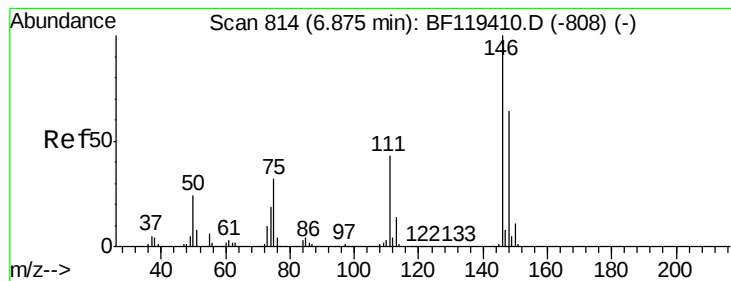
mohammad
3/27/2020 8:12:05 AM



#12
1,3-Dichlorobenzene
Concen: 46.315 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion: 146 Resp: 1200487
Ion Ratio Lower Upper
146 100
148 63.4 51.4 77.0
75 32.0 25.8 38.8





#13

1,4-Dichlorobenzene

Concen: 46.818 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Instrument :

BNA_F

ClientSampleId :

SB-30-(8-8.5)MSD

Tot Ion:146 Resp: 1213818

Ion Ratio Lower Upper

146 100

148 64.2 50.9 76.3

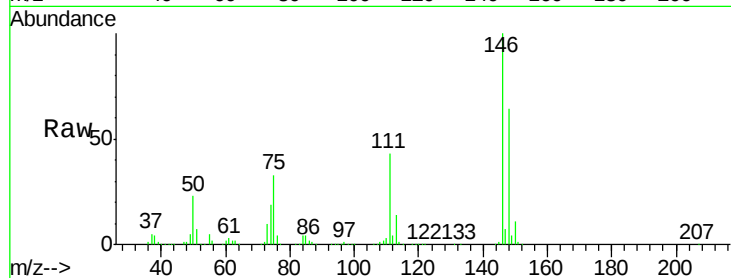
111 43.0 34.6 52.0

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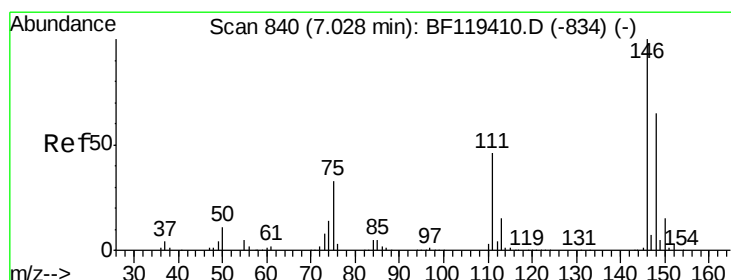
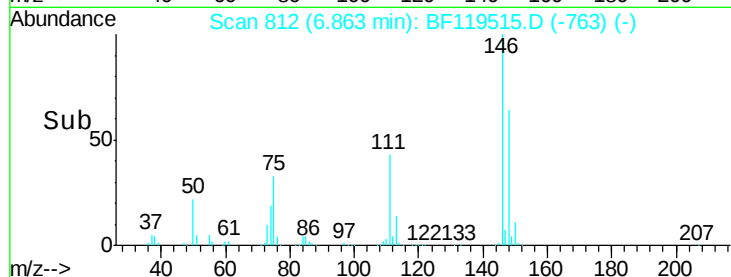
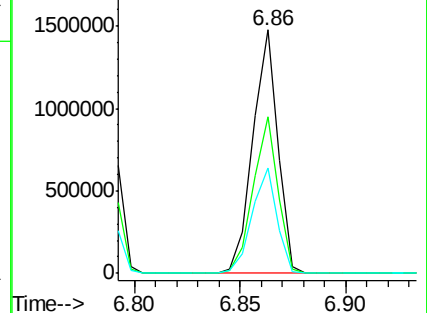
3/27/2020 8:12:05 AM



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: 47.507 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

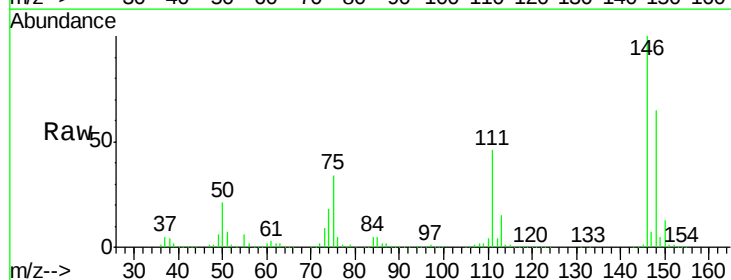
Tgt Ion:146 Resp: 1151272

Ion Ratio Lower Upper

146 100

148 65.5 51.7 77.5

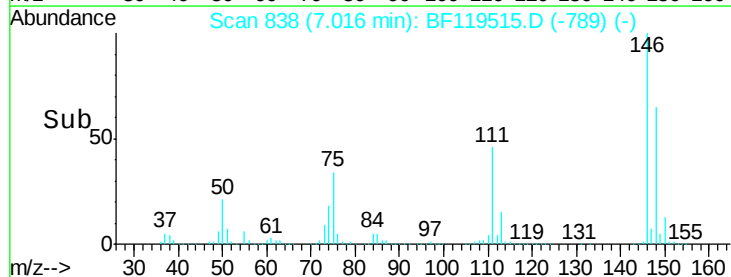
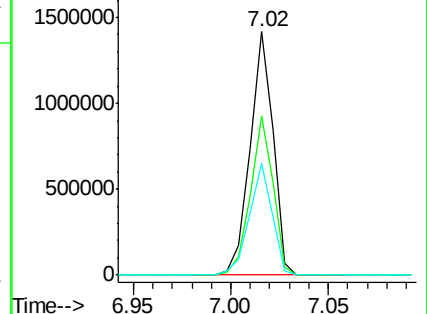
111 46.1 36.4 54.6



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: 48.368 ng

RT: 6.99 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Instrument :

BNA_F

ClientSampleId :

SB-30-(8-8.5)MSD

Tot Ion: 79 Resp: 1059787

Ion Ratio Lower Upper

79 100

108 77.8 60.4 90.6

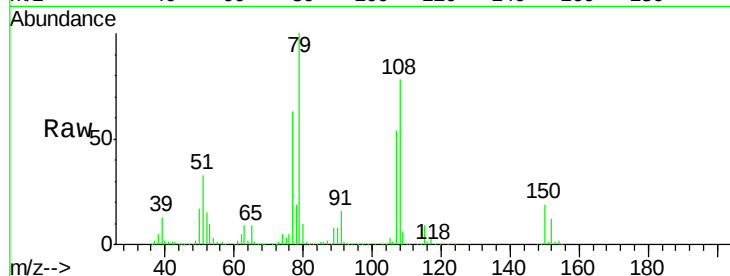
77 63.2 49.0 73.4

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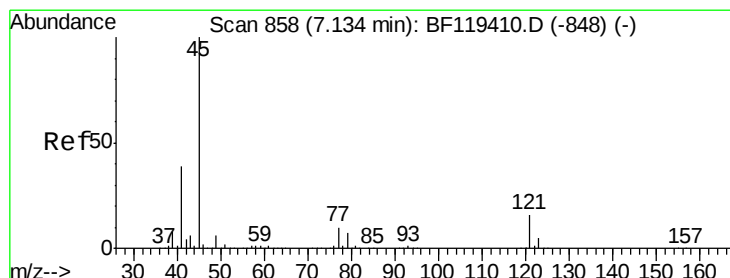
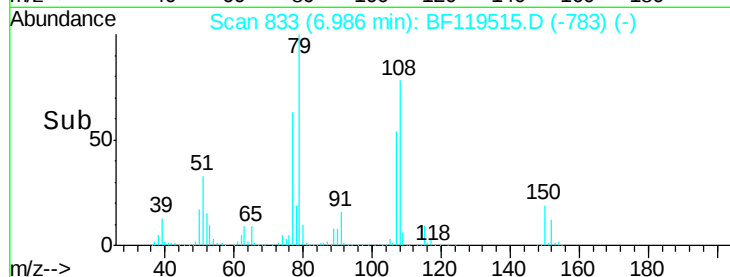
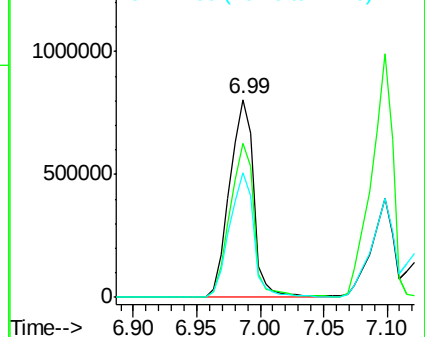
3/27/2020 8:12:05 AM



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.114 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

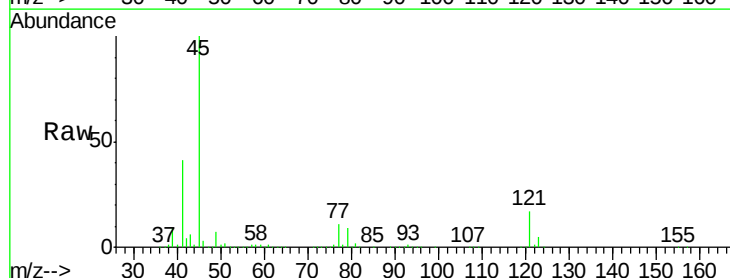
Tgt Ion: 45 Resp: 2262014

Ion Ratio Lower Upper

45 100

77 10.9 0.0 30.1

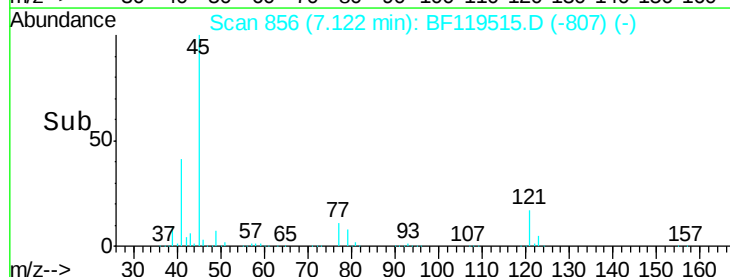
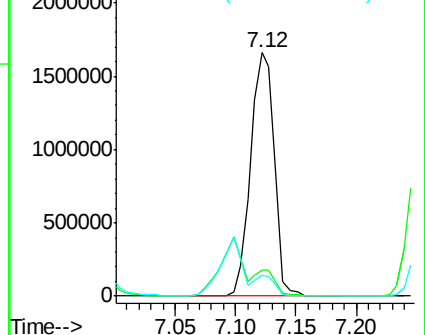
79 8.6 0.0 27.4

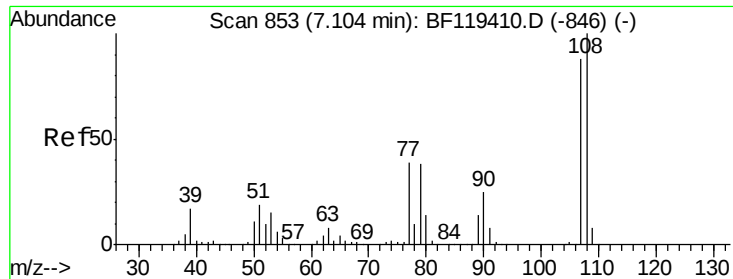


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





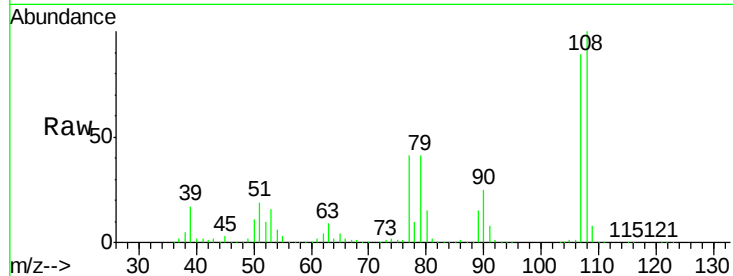
#17
2-Methylphenol
Concen: 46.390 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.7	136.1
77	46.0	35.6	53.4
79	45.9	34.7	52.1

Manual Integrations
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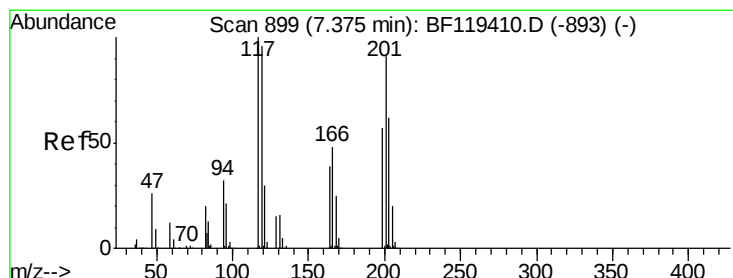
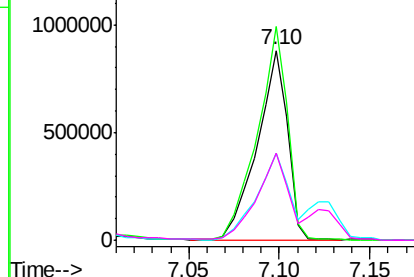
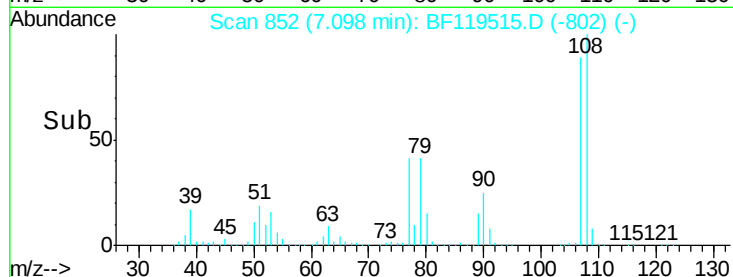
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

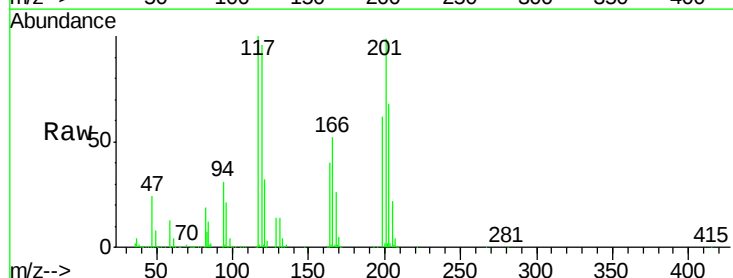
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 49.560 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.8	115.2
201	98.5	72.5	108.7

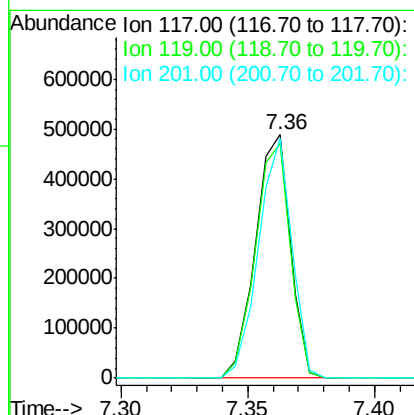
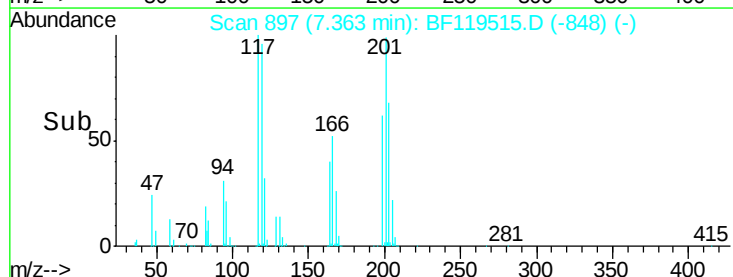


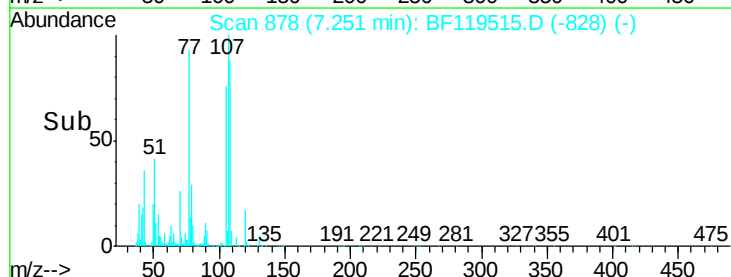
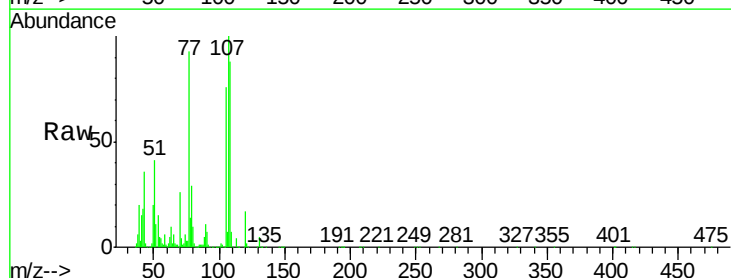
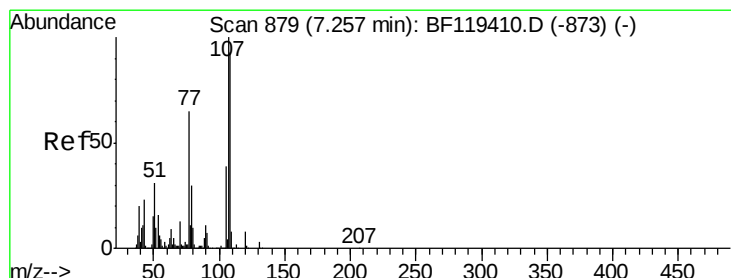
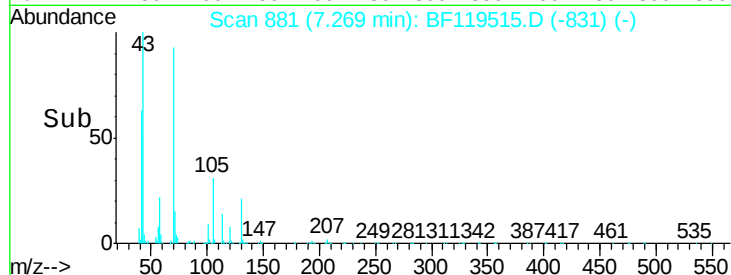
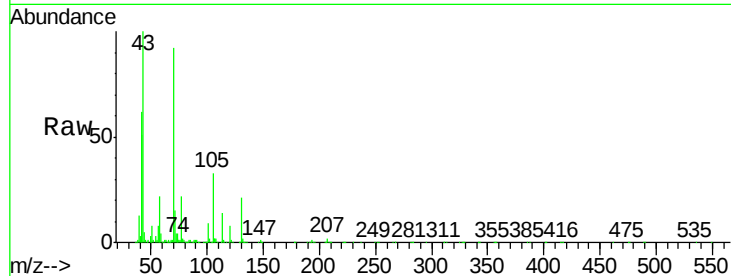
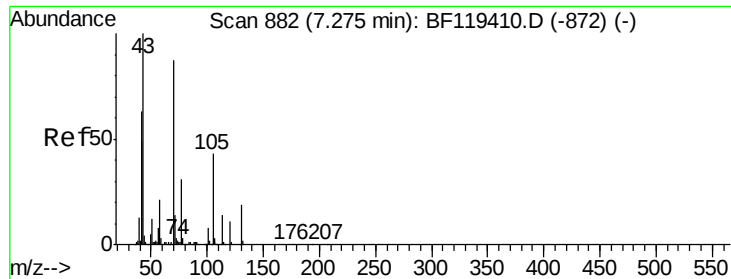
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

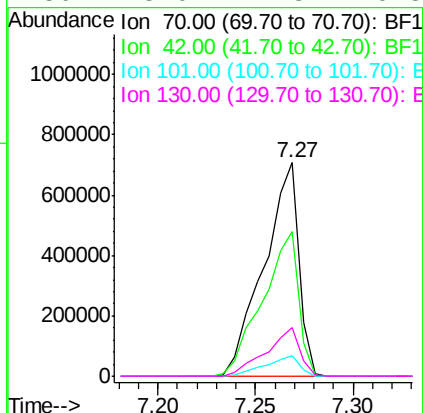
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 50.130 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tot Ion	Ratio	Lower	Upper
70	100		
42	67.9	58.2	87.4
101	9.7	7.4	11.2
130	23.0	17.8	26.8



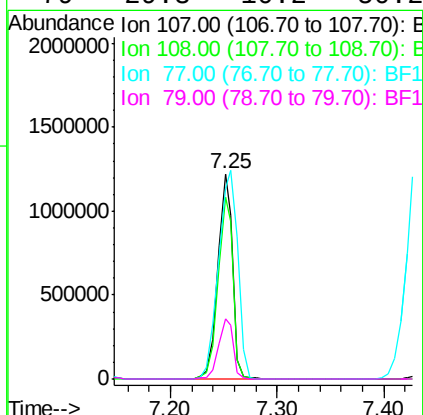
Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

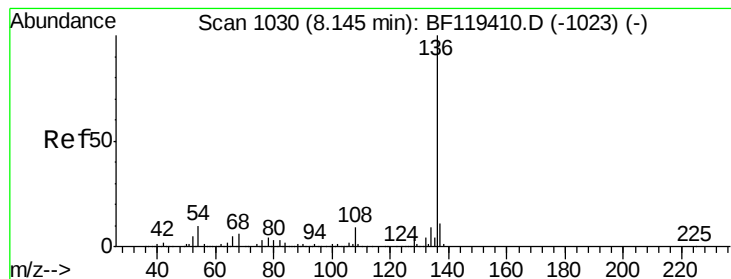
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#20
3+4-Methylphenols
Concen: 45.356 ng m
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.5	72.6	112.6
77	93.2	44.7	84.7
79	29.3	10.2	50.2





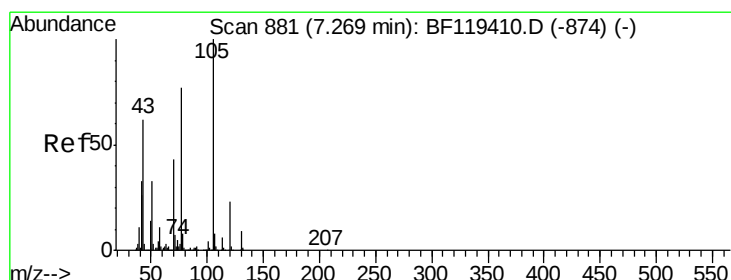
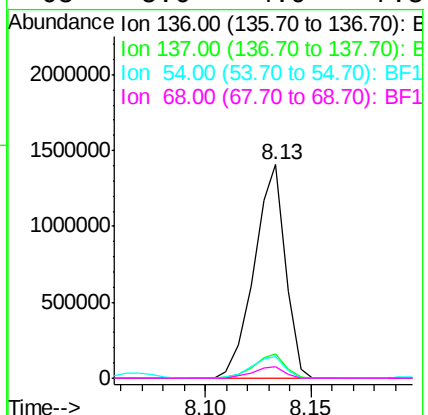
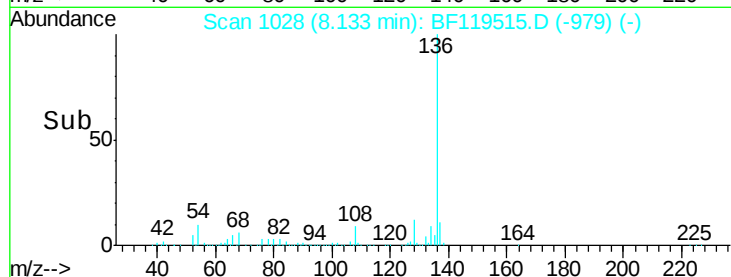
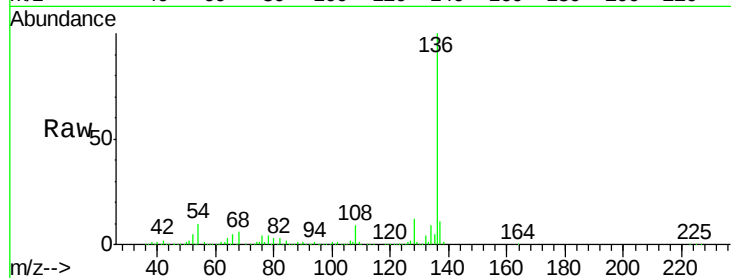
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

Tot Ion	136	Resp	1442694
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.4	12.6
54	10.4	8.3	12.5
68	5.6	4.9	7.3

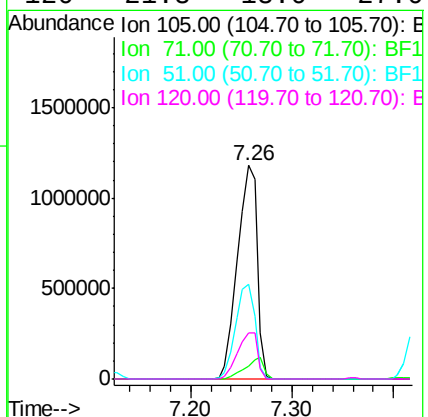
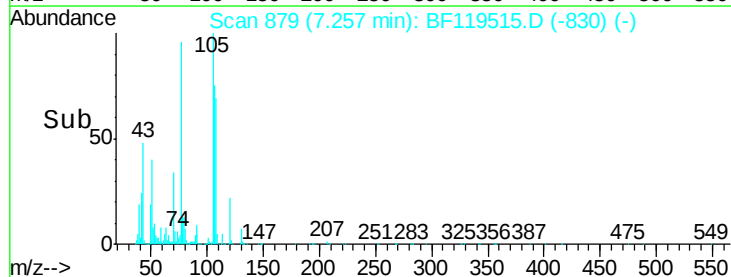
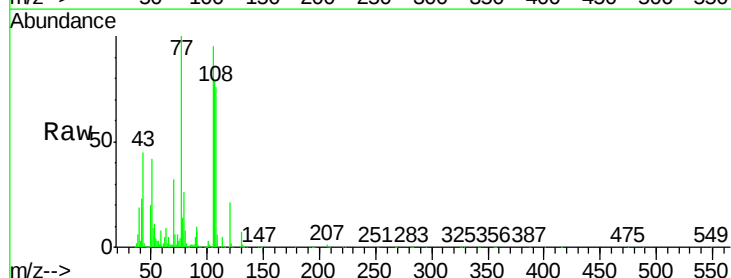
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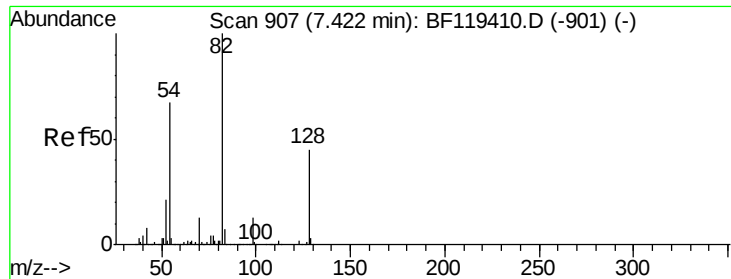
mohammad
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#22
Acetophenone
Concen: 46.276 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion	105	Resp	1595261
Ion	Ratio	Lower	Upper
105	100		
71	5.9	5.8	8.6
51	44.6	26.8	40.2#
120	21.8	18.0	27.0





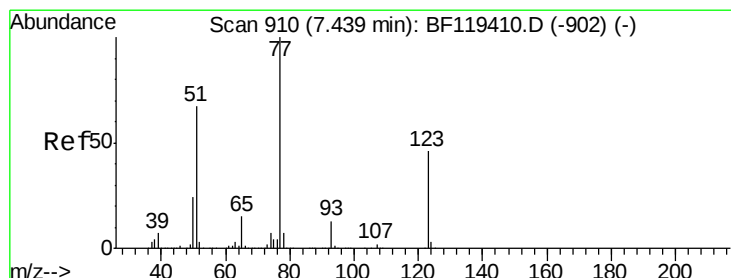
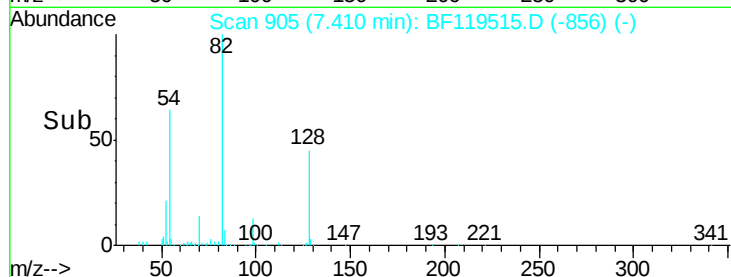
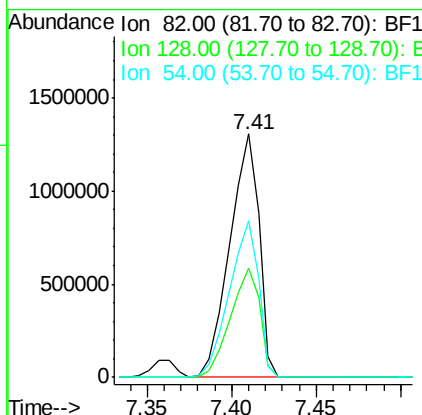
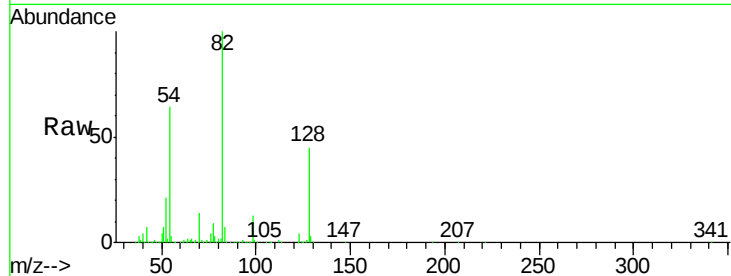
#23
Nitrobenzene-d5
Concen: 59.218 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

Tot Ion: 82 Resp: 1571963
Ion Ratio Lower Upper
82 100
128 44.6 35.8 53.8
54 64.2 53.4 80.0

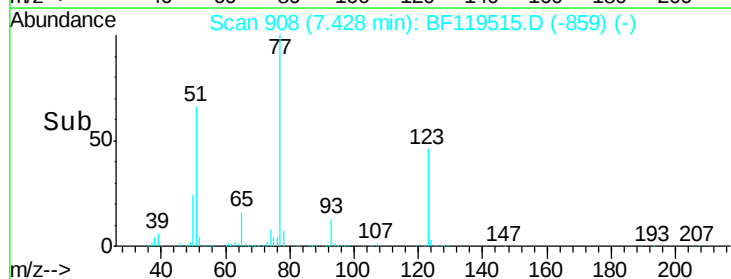
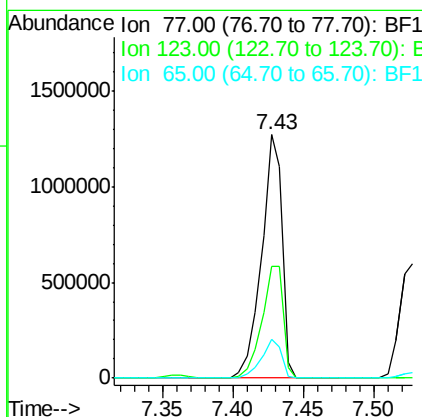
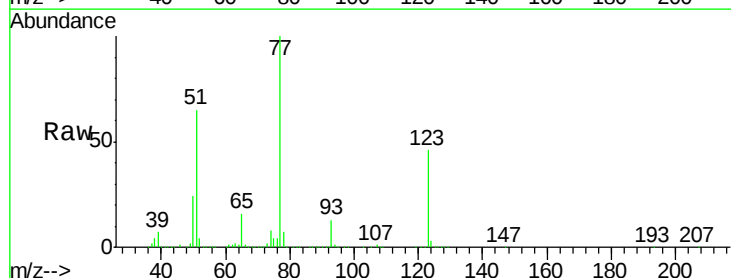
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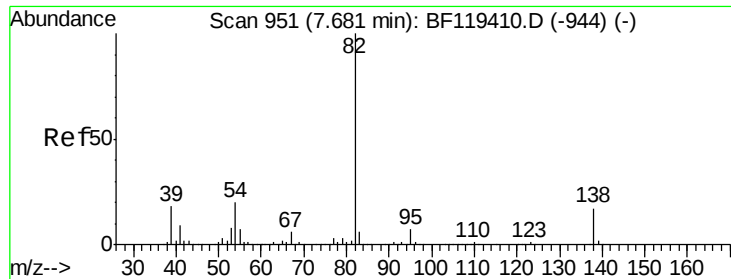
mohammad
3/27/2020 8:12:05 AM



#24
Nitrobenzene
Concen: 46.058 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion: 77 Resp: 1306610
Ion Ratio Lower Upper
77 100
123 45.9 36.9 55.3
65 15.9 12.2 18.4





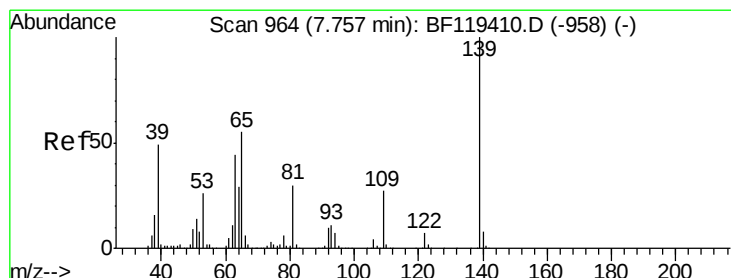
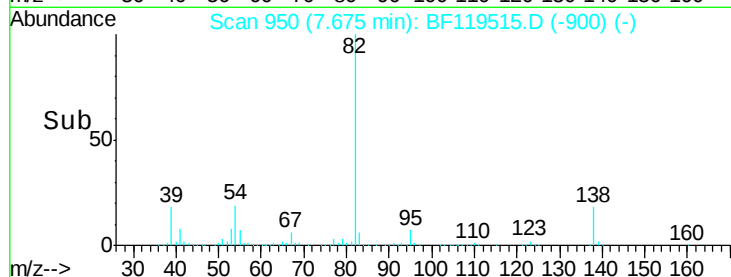
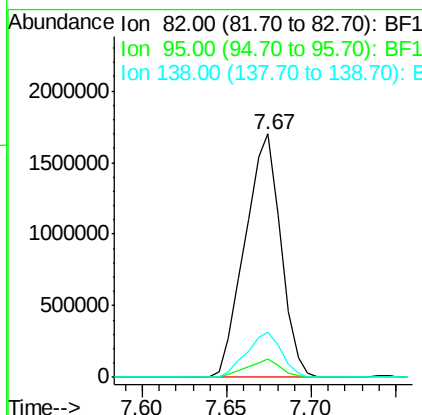
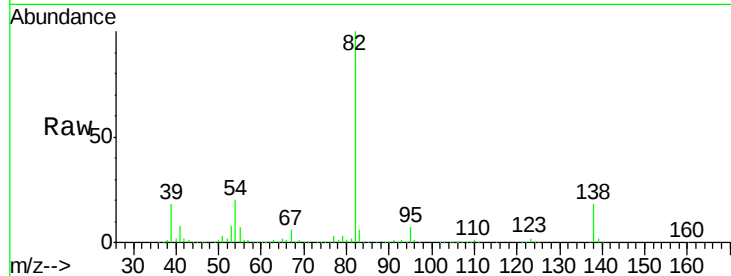
#25
Isophorone
Concen: 46.643 ng
RT: 7.67 min Scan# 950
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

Tot Ion: 82 Resp: 2511669
Ion Ratio Lower Upper
82 100
95 7.4 5.4 8.2
138 18.4 13.8 20.8

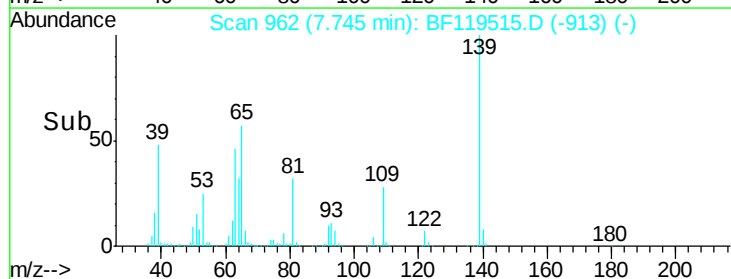
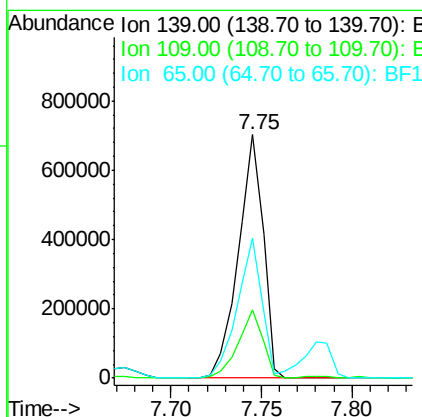
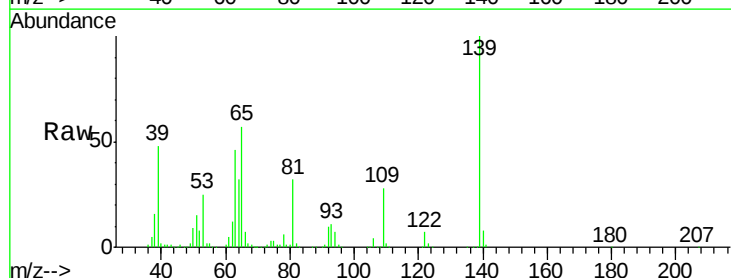
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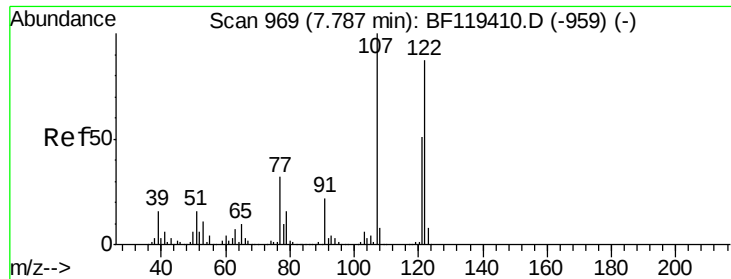
mohammad
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#26
2-Nitrophenol
Concen: 60.049 ng
RT: 7.75 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion: 139 Resp: 670742
Ion Ratio Lower Upper
139 100
109 27.9 21.7 32.5
65 57.4 43.9 65.9





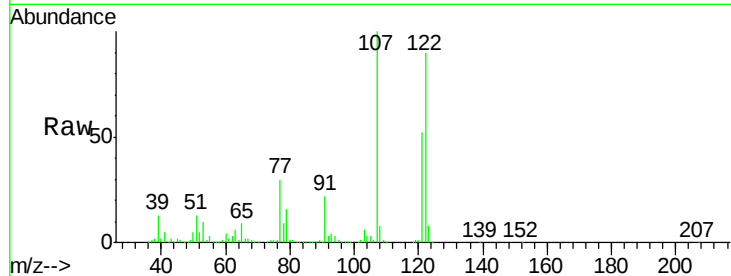
#27
2,4-Dimethylphenol
Concen: 49.852 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.00 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

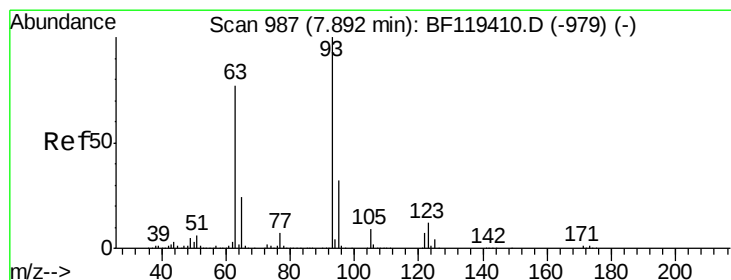
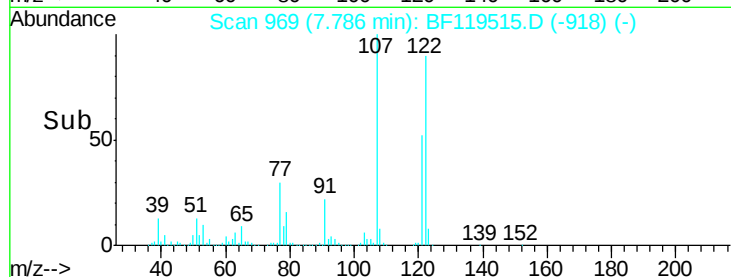
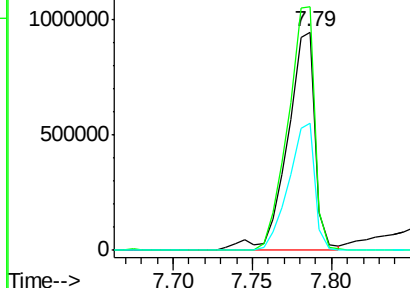
Tot Ion	Ratio	Lower	Upper
122	100		
107	111.6	91.8	137.6
121	58.4	46.5	69.7

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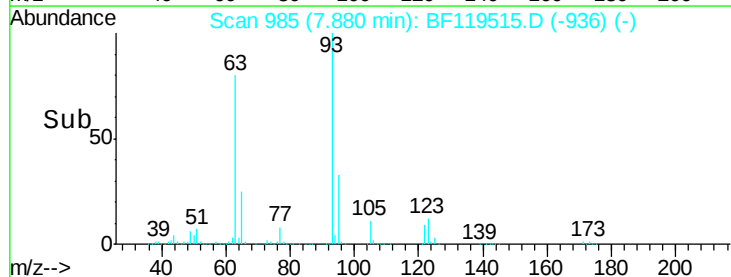
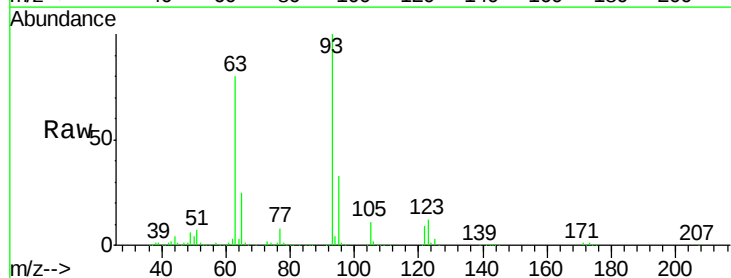
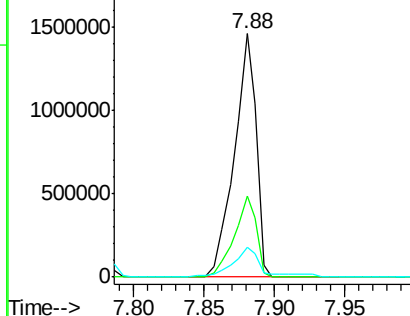
Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

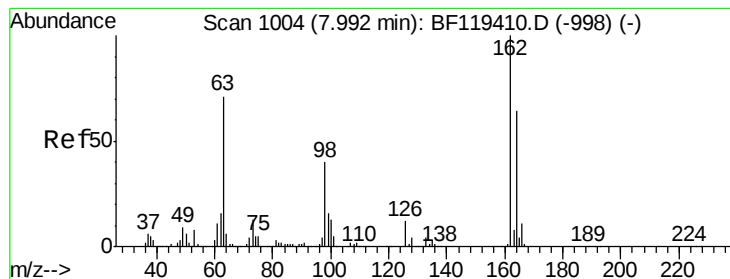


#28
bis(2-Chloroethoxy)methane
Concen: 49.113 ng
RT: 7.88 min Scan# 985
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.5	26.0	39.0
123	12.0	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: 49.670 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Instrument :

BNA_F

ClientSampleId :

SB-30-(8-8.5)MSD

Tot Ion:162 Resp: 1054089

Ion Ratio Lower Upper

162 100

164 64.2 43.6 83.6

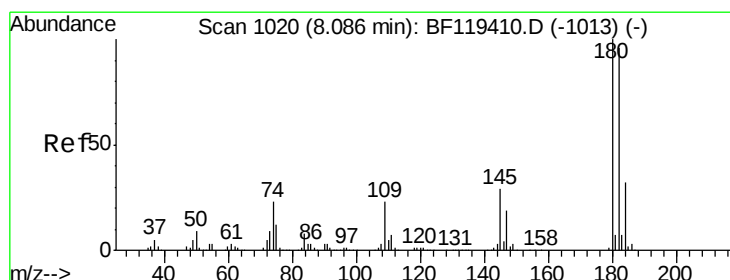
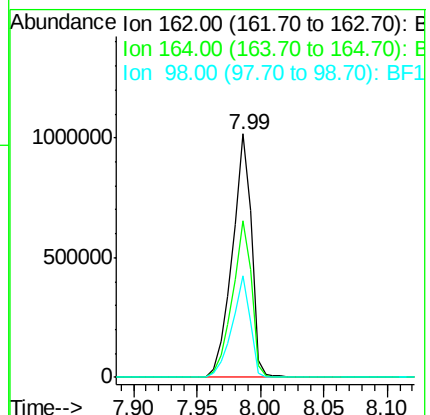
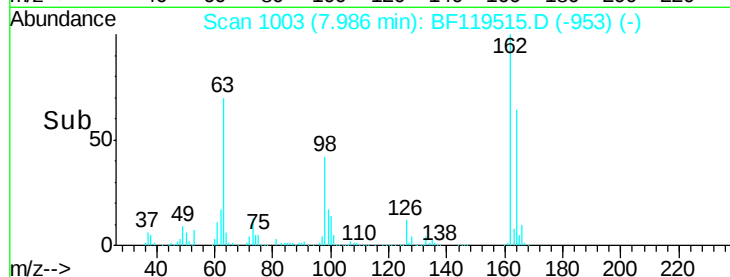
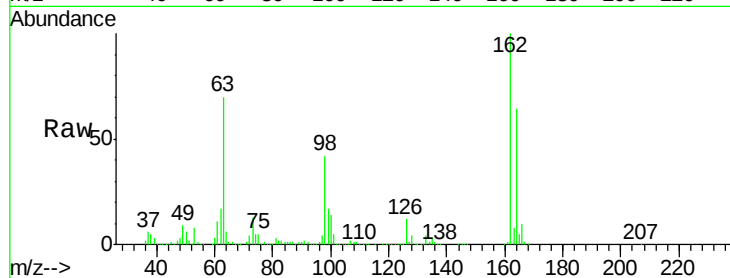
98 41.7 20.4 60.4

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#30

1,2,4-Trichlorobenzene

Concen: 46.834 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

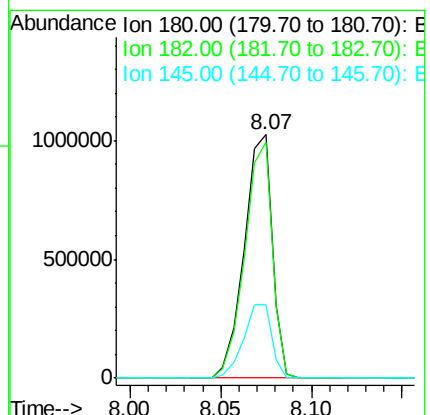
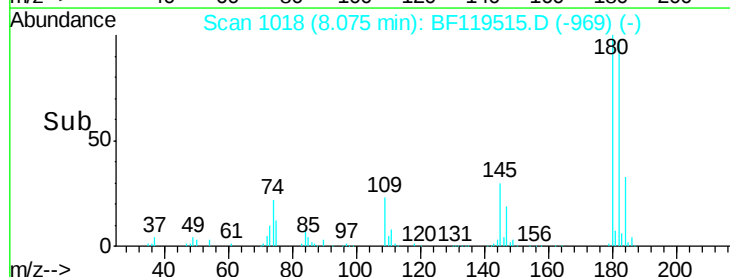
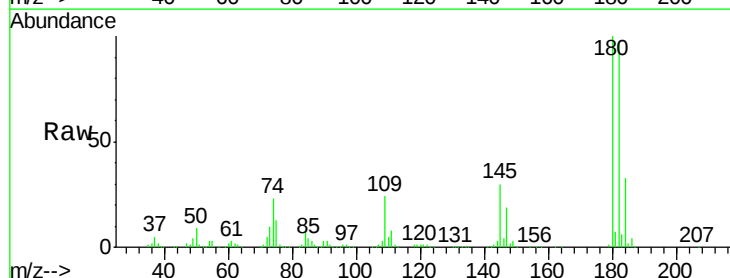
Tgt Ion:180 Resp: 1099183

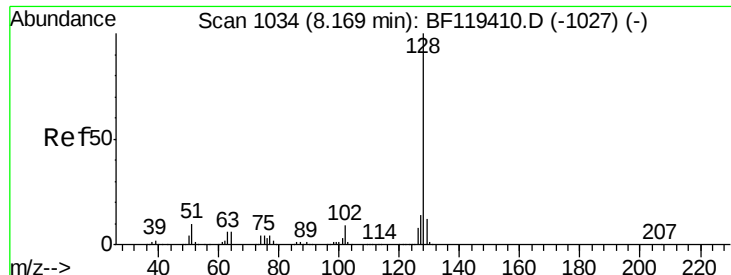
Ion Ratio Lower Upper

180 100

182 96.7 76.6 115.0

145 30.3 23.2 34.8





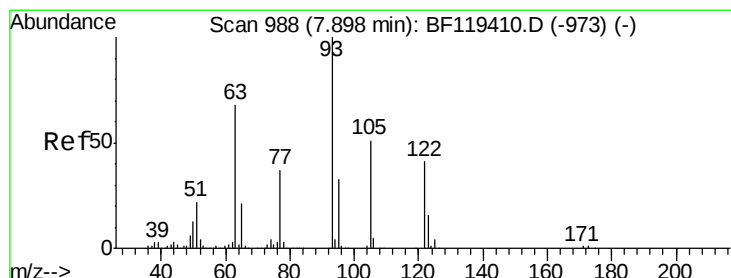
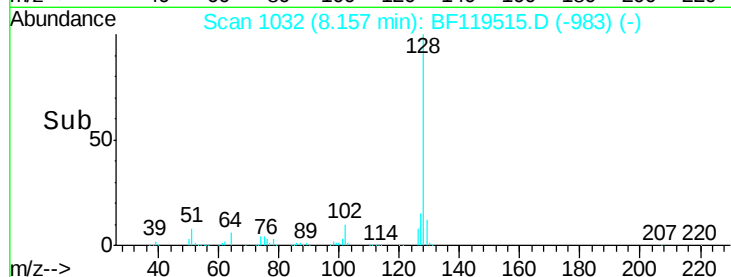
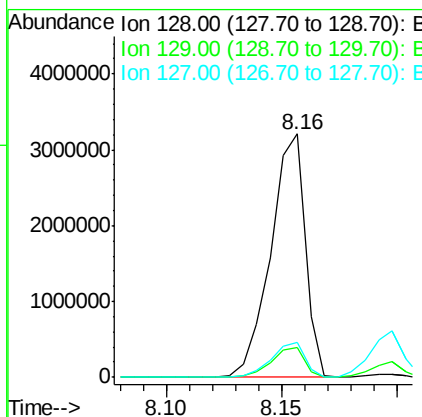
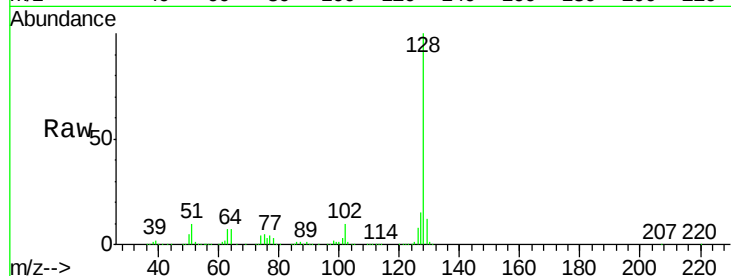
#31
Naphthalene
Concen: 44.673 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.4	9.3	13.9
127	14.5	11.0	16.4

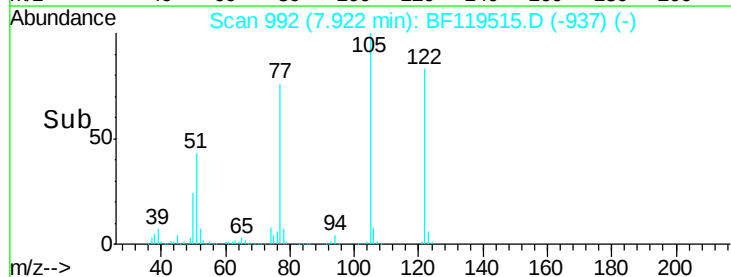
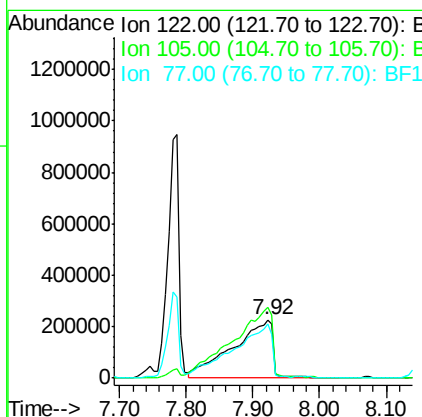
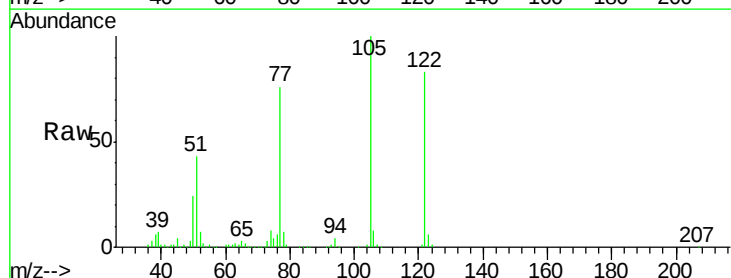
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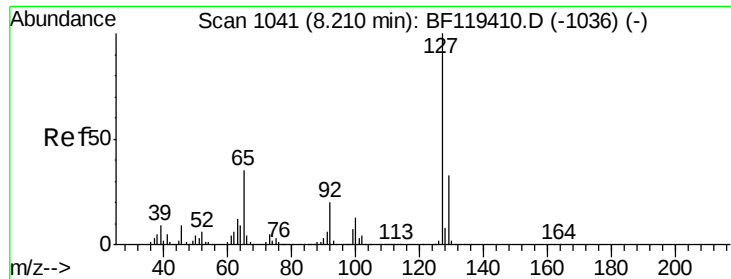
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#32
Benzoic acid
Concen: 62.496 ng
RT: 7.92 min Scan# 992
Delta R.T. 0.02 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion	Ratio	Lower	Upper
122	100		
105	120.4	102.9	142.9
77	91.9	70.1	110.1





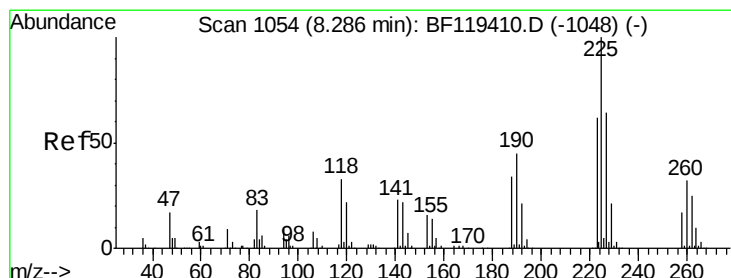
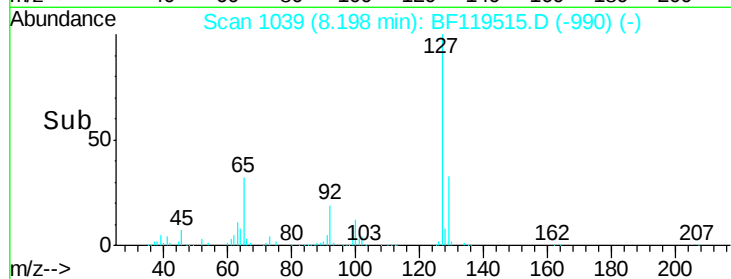
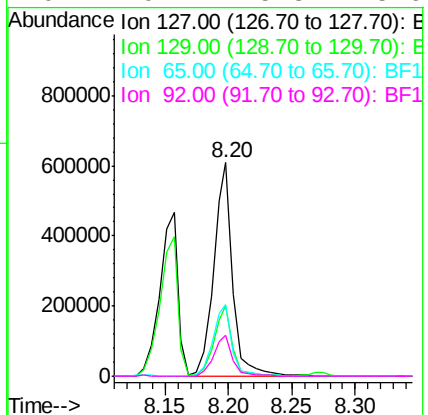
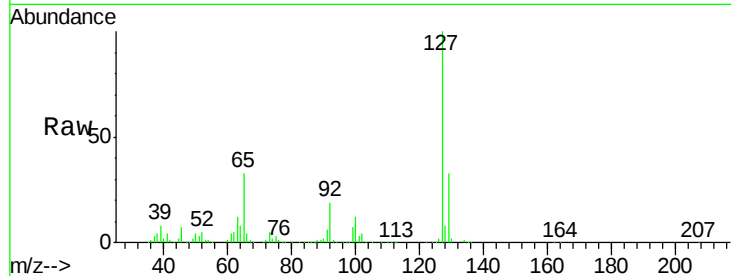
#33
4-Chloroaniline
Concen: 18.595 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		632604		
129	32.9	26.2	39.4		
65	33.5	27.7	41.5		
92	19.1	15.8	23.6		

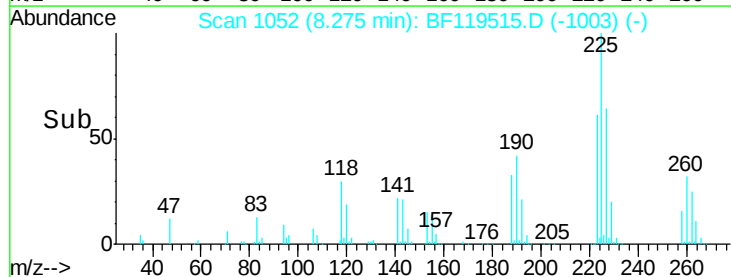
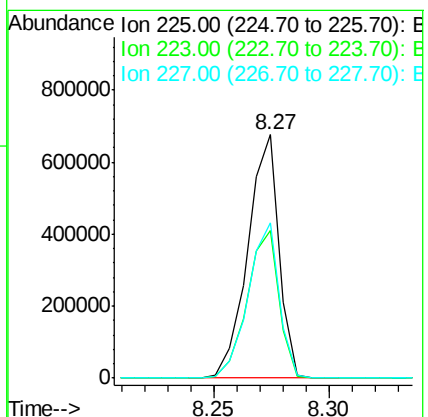
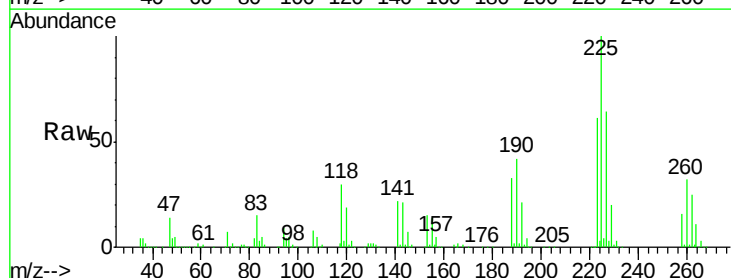
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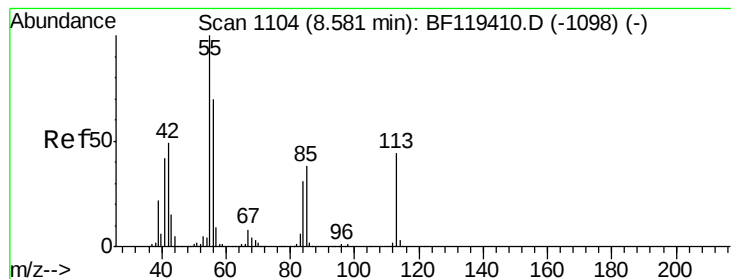
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#34
Hexachlorobutadiene
Concen: 48.400 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		635554		
223	60.7	49.2	73.8		
227	63.6	51.1	76.7		





#35

Caprolactam

Concen: 55.623 ng/mL

RT: 8.59 min Scan# 1105

Delta R.T. 0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Instrument :

BNA_F

ClientSampleId :

SB-30-(8-8.5)MSD

Tot Ion:113 Resp: 386328

Ion Ratio Lower Upper

113 100

55 238.6 208.4 248.4

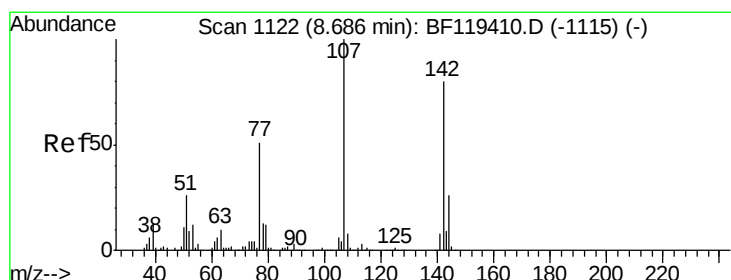
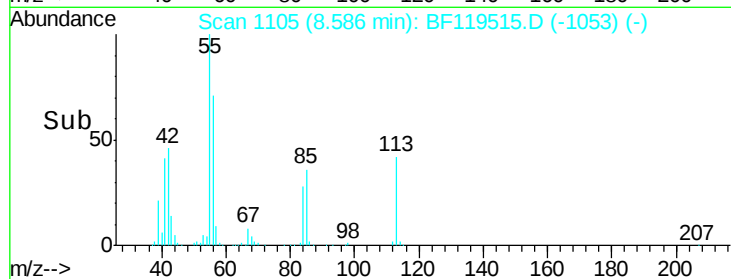
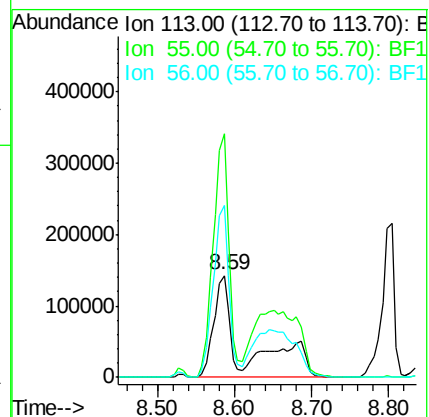
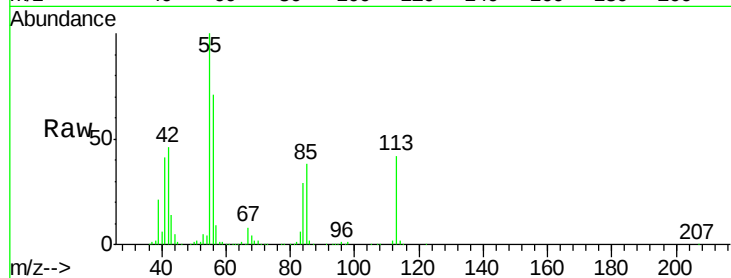
56 168.9 138.9 178.9

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#36

4-Chloro-3-methylphenol

Concen: 50.425 ng/mL

RT: 8.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

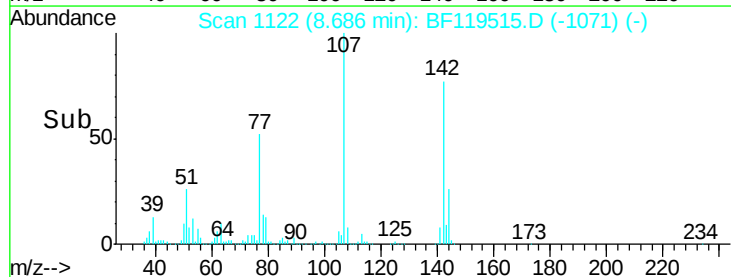
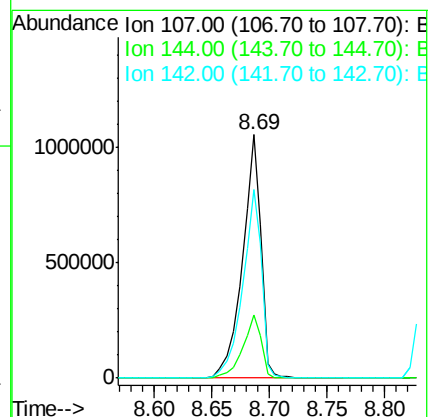
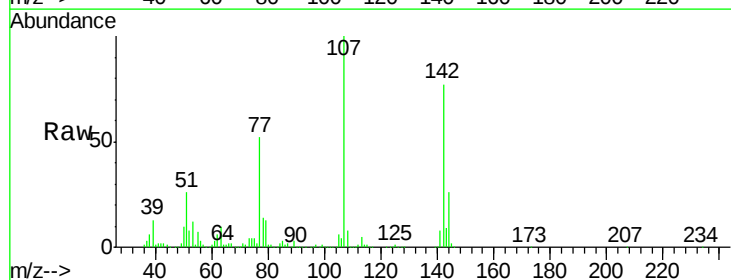
Tgt Ion:107 Resp: 1169594

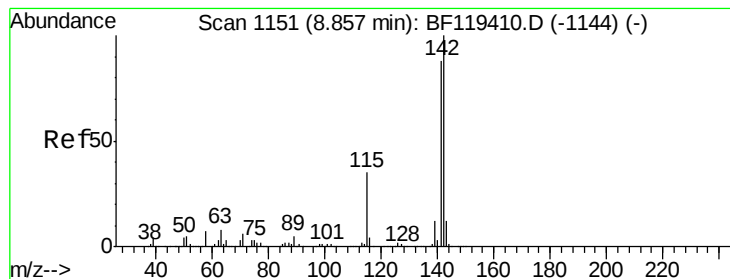
Ion Ratio Lower Upper

107 100

144 25.8 20.6 31.0

142 77.5 63.8 95.6





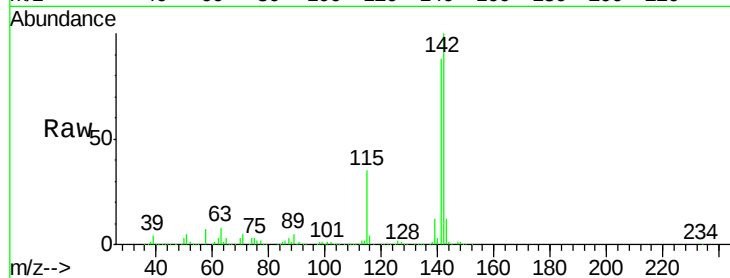
#37
2-Methylnaphthalene
Concen: 48.983 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.4	105.6
115	35.5	27.8	41.6

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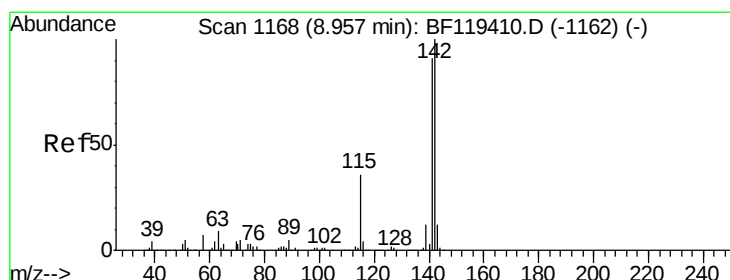
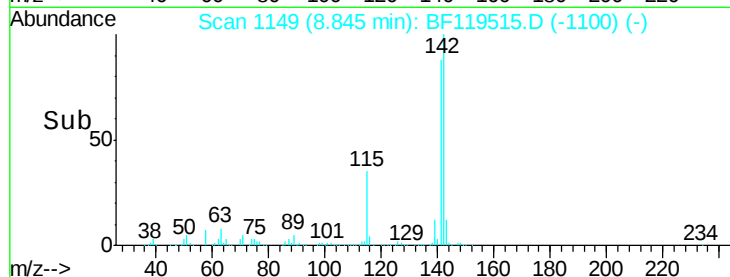
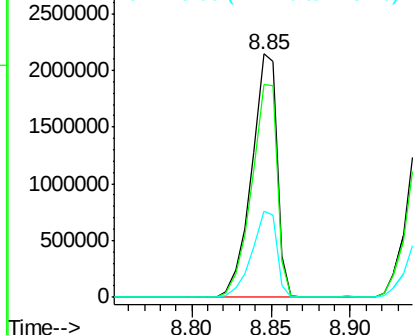


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 49.037 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

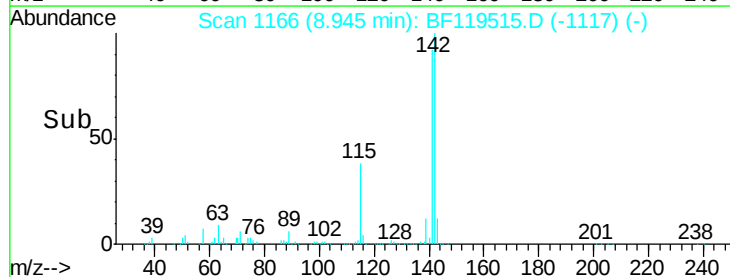
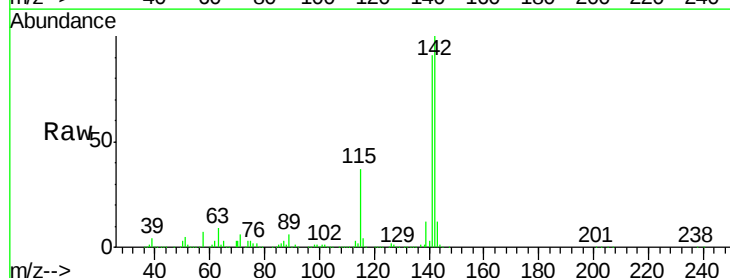
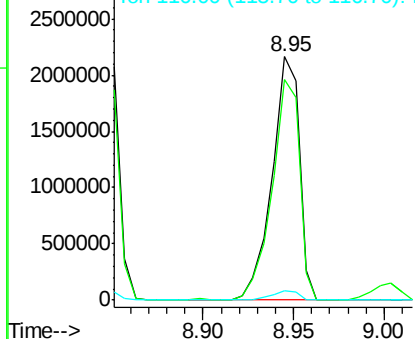
Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.1	109.7
116	4.0	3.0	4.6

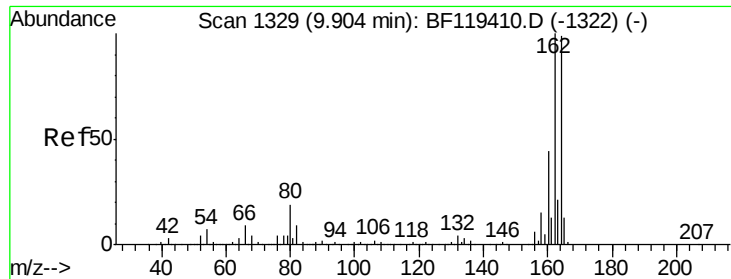
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





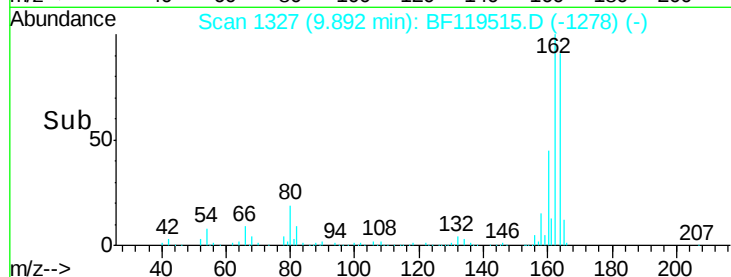
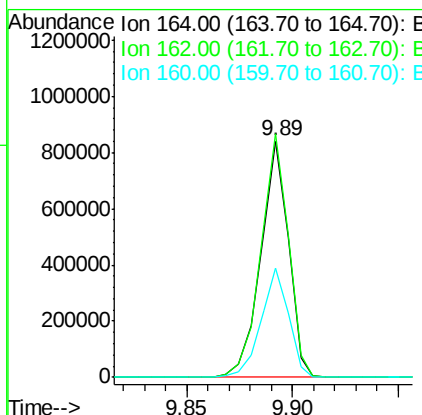
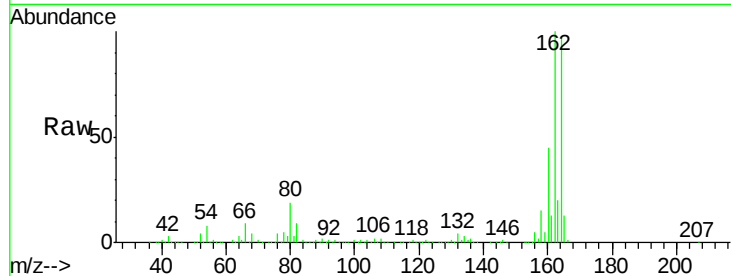
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.1	80.7	121.1	
160	46.3	35.5	53.3	

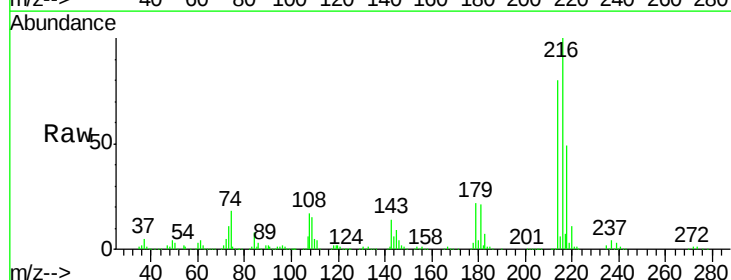
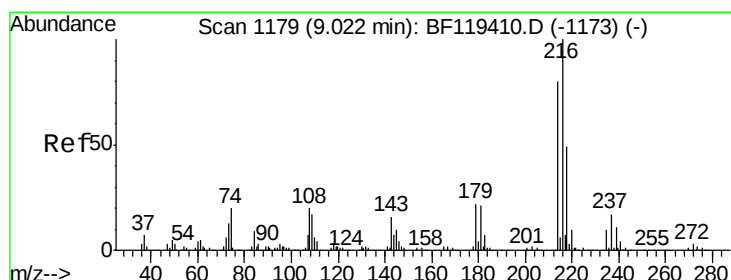
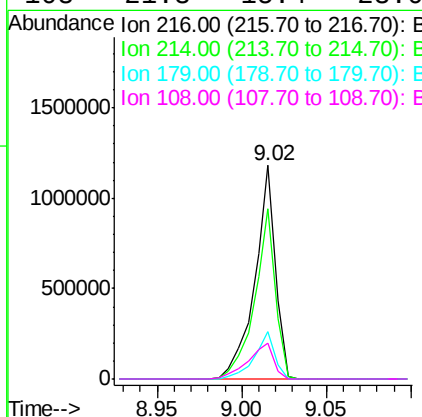
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.908 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.6	63.0	94.6	
179	21.9	17.0	25.4	
108	21.3	15.4	23.0	





#41

Hexachlorocyclopentadiene

Concen: 96.968 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Instrument :

BNA_F

ClientSampleId :

SB-30-(8-8.5)MSD

Tot Ion:237 Resp: 1241498

Ion Ratio Lower Upper

237 100

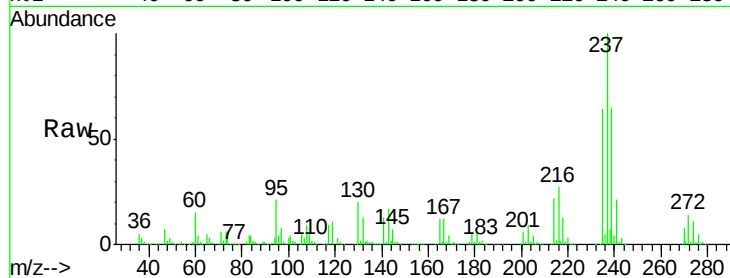
235 63.7 42.5 82.5

272 14.2 0.0 34.3

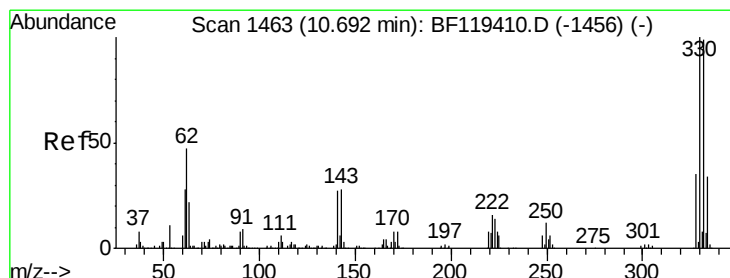
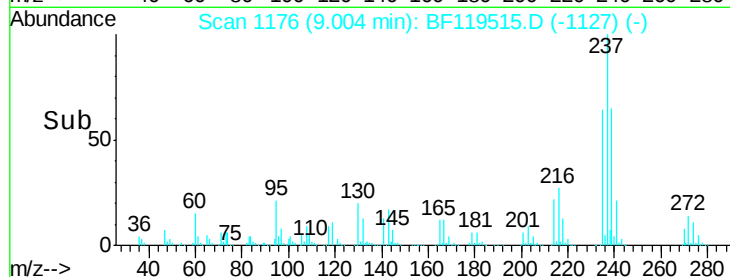
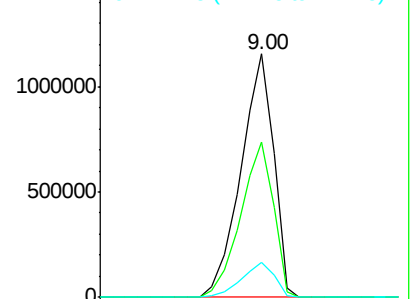
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 98.648 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

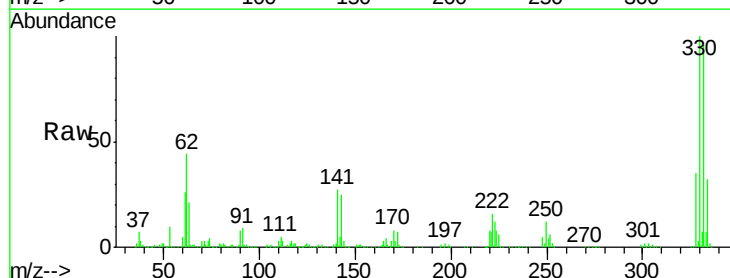
Tgt Ion:330 Resp: 781947

Ion Ratio Lower Upper

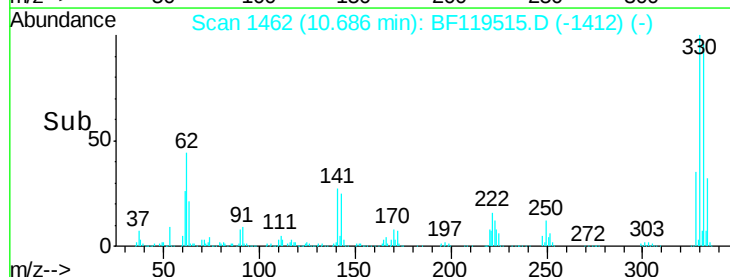
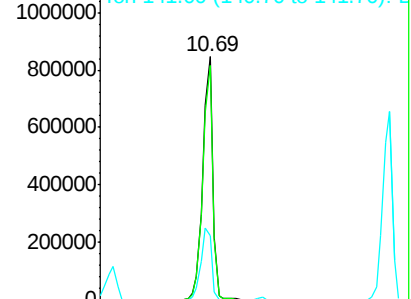
330 100

332 96.1 77.6 116.4

141 31.8 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





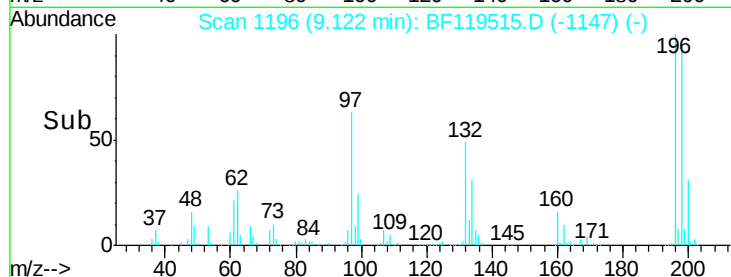
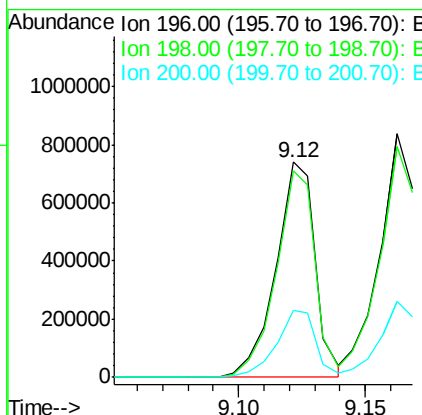
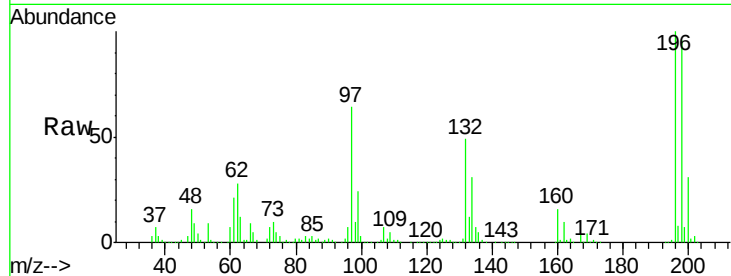
#43
 2,4,6-Trichlorophenol
 Concen: 49.699 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF119515.D
 Acq: 25 Mar 2020 21:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-30-(8-8.5)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	800953		
198	96.2	77.0	115.4	
200	31.5	25.1	37.7	

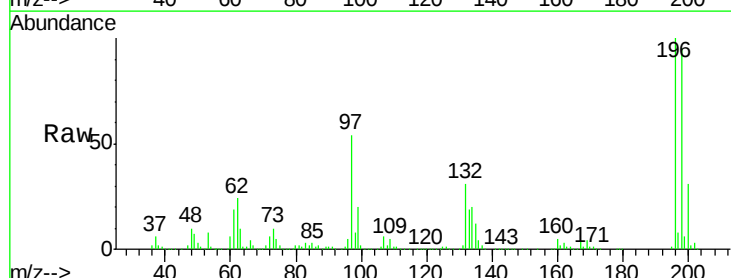
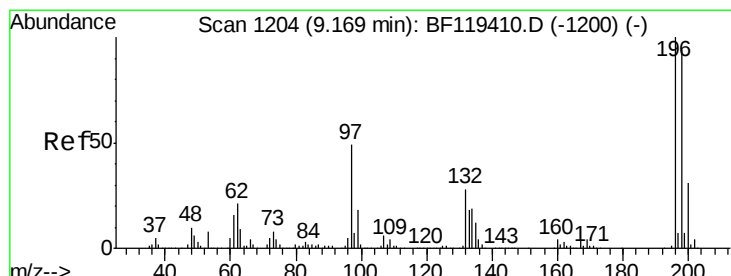
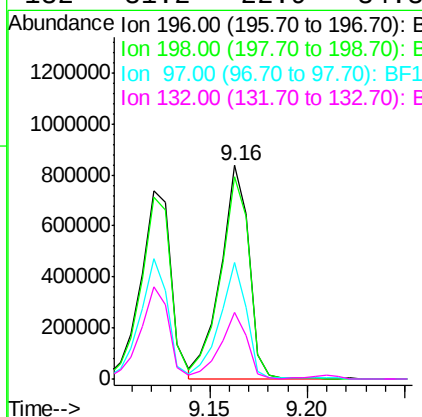
Manual Integrations
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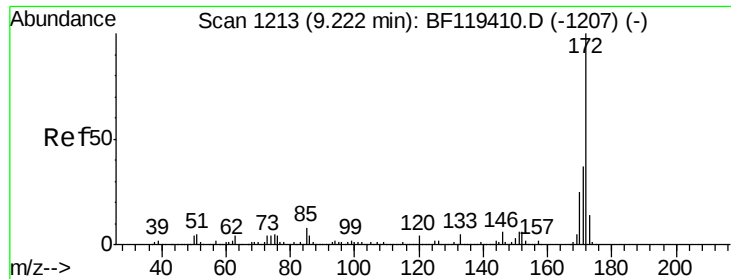
mohammad
 3/27/2020 8:12:05 AM



#44
 2,4,5-Trichlorophenol
 Concen: 46.603 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF119515.D
 Acq: 25 Mar 2020 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	841361		
198	94.9	75.3	112.9	
97	54.5	39.0	58.4	
132	31.2	22.9	34.3	





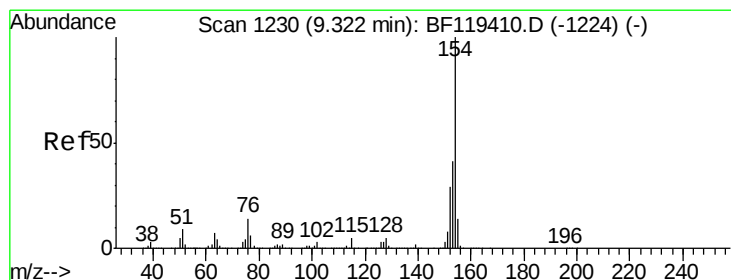
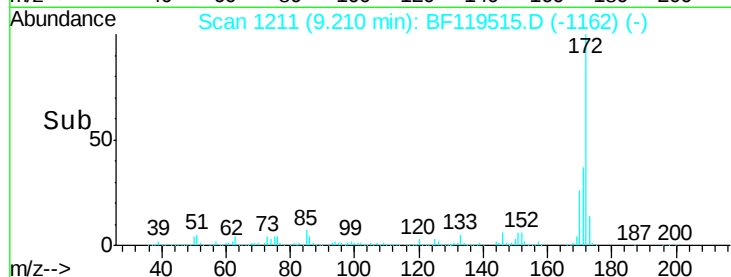
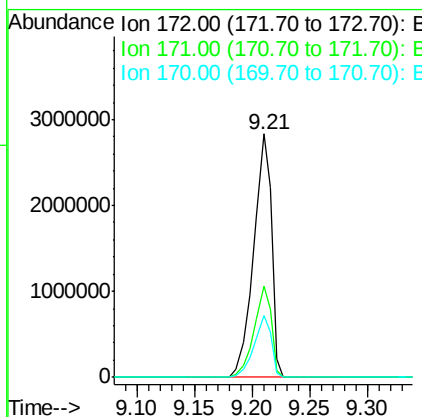
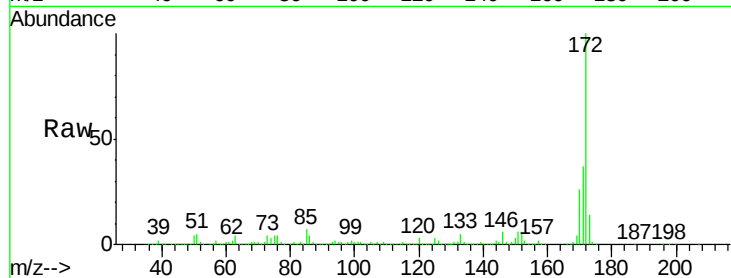
#45
2-Fluorobiphenyl
Concen: 58.473 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.9	44.9
170	25.5	20.1	30.1

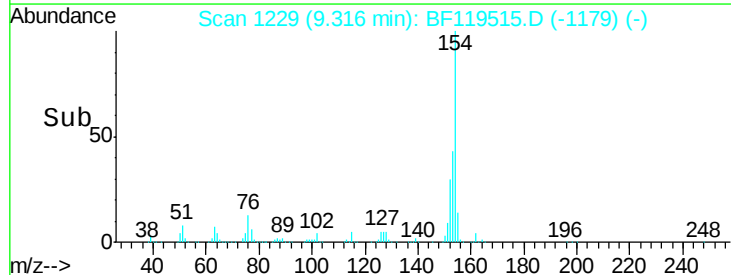
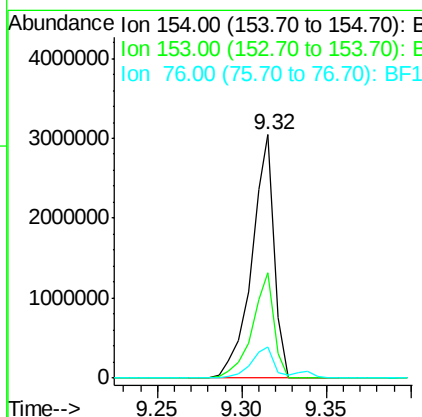
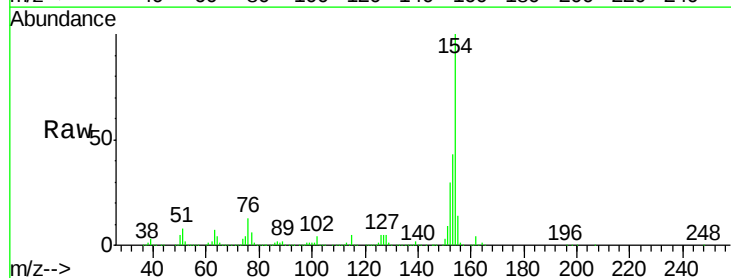
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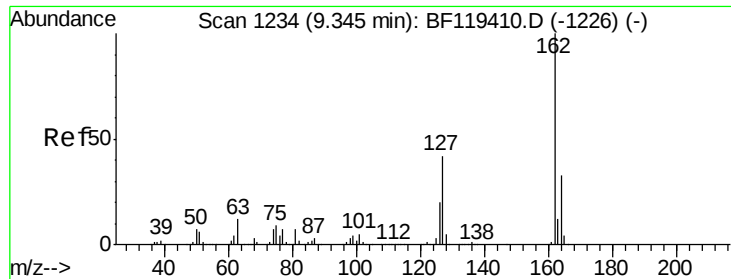
mohammad
3/27/2020 8:12:05 AM



#46
1,1'-Biphenyl
Concen: 44.981 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.2	21.4	61.4
76	13.0	0.0	33.6





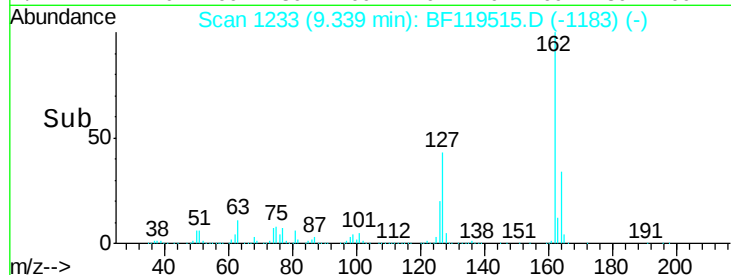
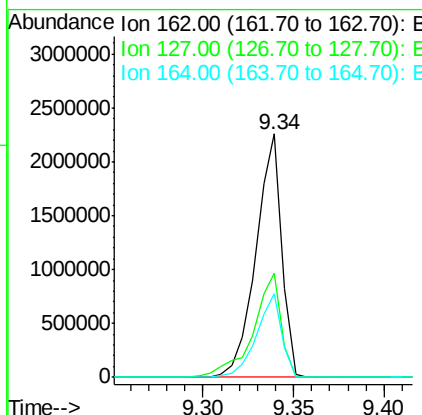
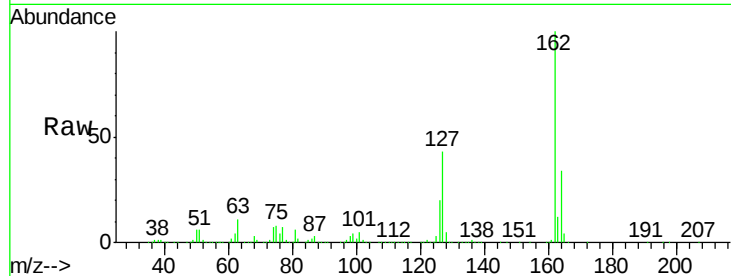
#47
 2-Chloronaphthalene
 Concen: 45.572 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: BF119515.D
 Acq: 25 Mar 2020 21:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-30-(8-8.5)MSD

Tot Ion	Ion	Ratio	Lower	Upper
162	100			
127	42.5	33.7	50.5	
164	34.1	26.2	39.4	

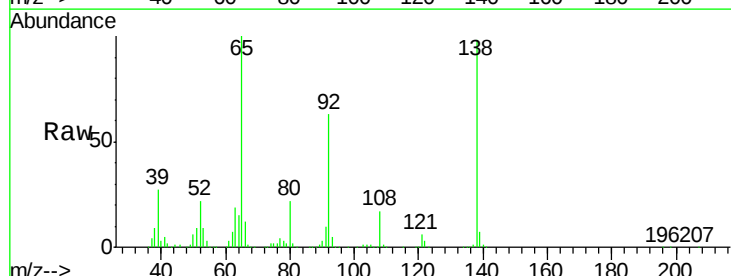
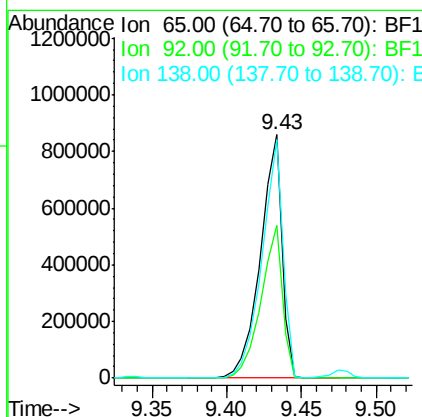
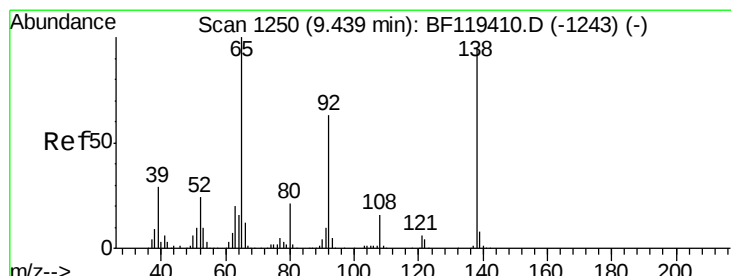
Manual Integrations
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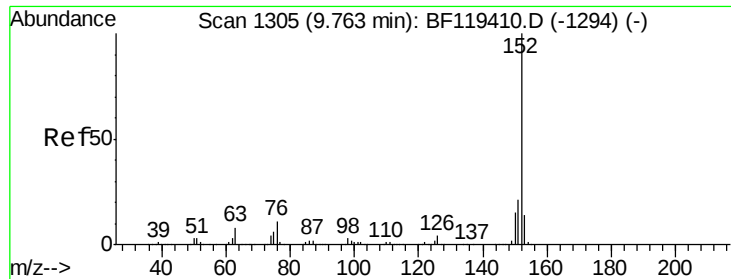
mohammad
 3/27/2020 8:12:05 AM



#48
 2-Nitroaniline
 Concen: 50.396 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: BF119515.D
 Acq: 25 Mar 2020 21:02

Tgt Ion	Ion	Ratio	Lower	Upper
65	100			
92	62.8	50.5	75.7	
138	97.9	75.8	113.8	





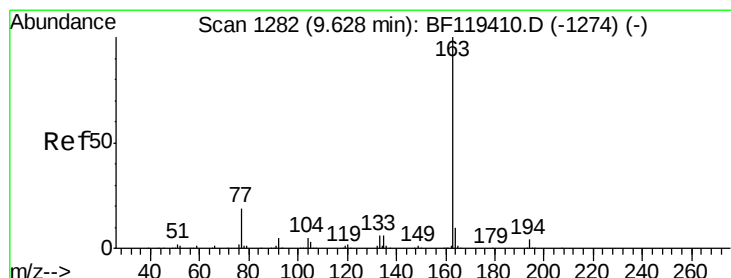
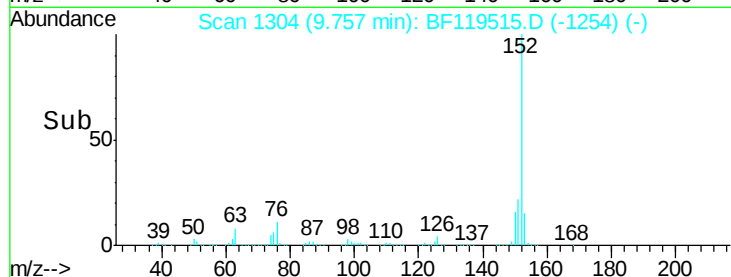
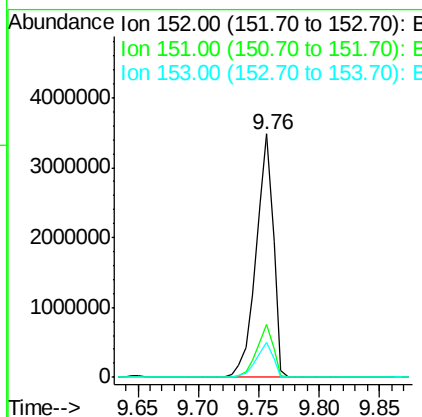
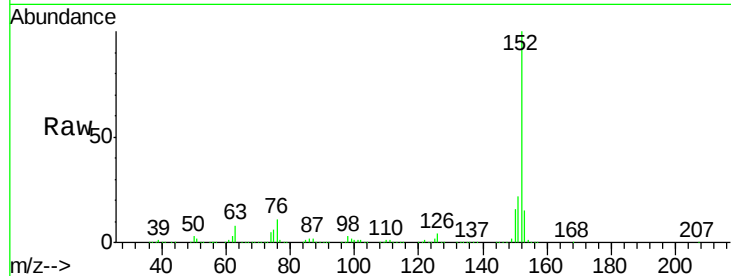
#49
Acenaphthylene
Concen: 45.197 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.9	16.8	25.2
153	14.5	11.2	16.8

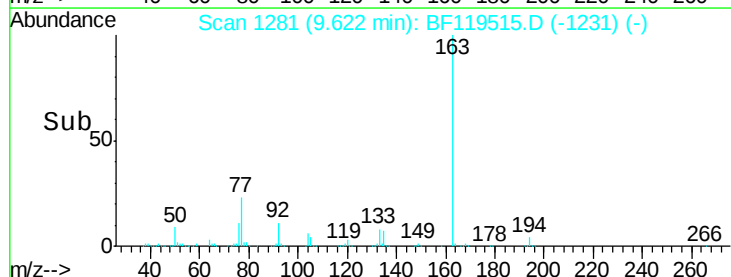
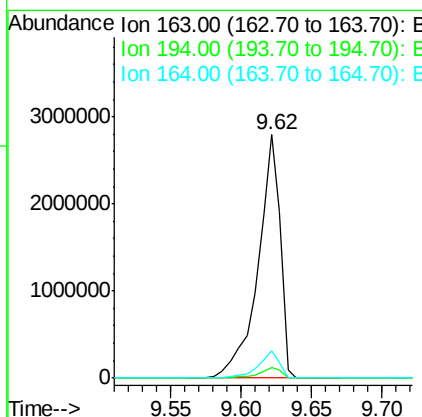
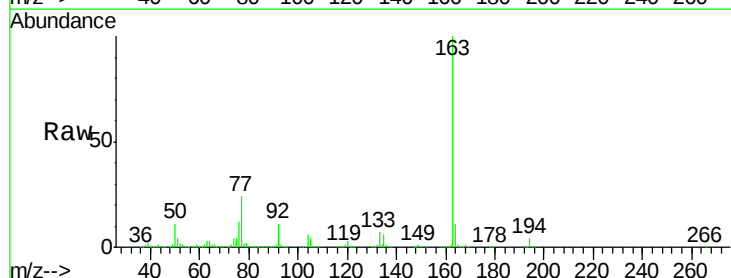
Manual Integrations
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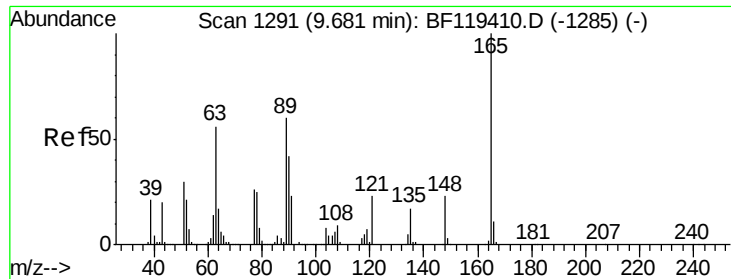
mohammad
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#50
Dimethylphthalate
Concen: 56.779 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	11.1	8.1	12.1





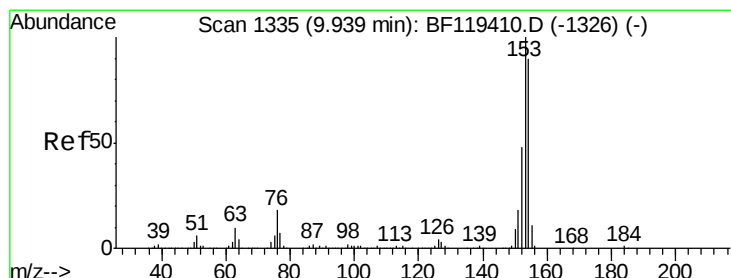
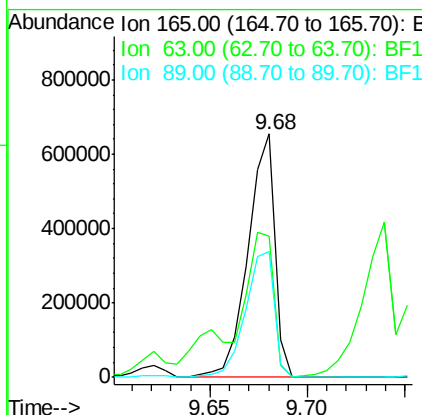
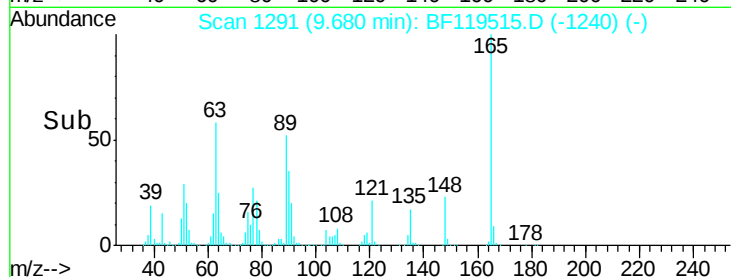
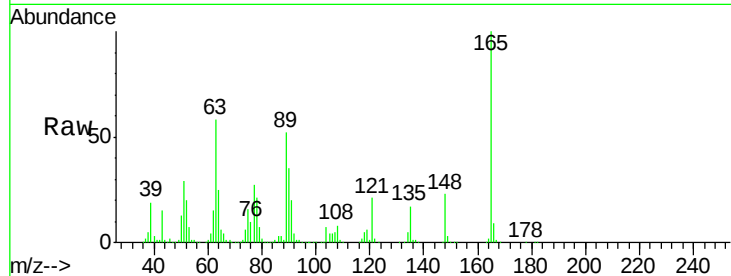
#51
 2,6-Dinitrotoluene
 Concen: 53.388 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: BF119515.D
 Acq: 25 Mar 2020 21:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-30-(8-8.5)MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	58.0	57.3	85.9
89	51.8	47.8	71.8

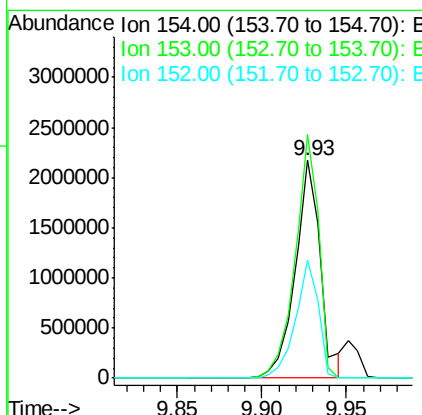
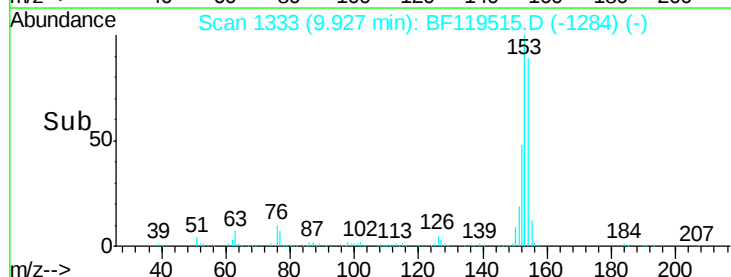
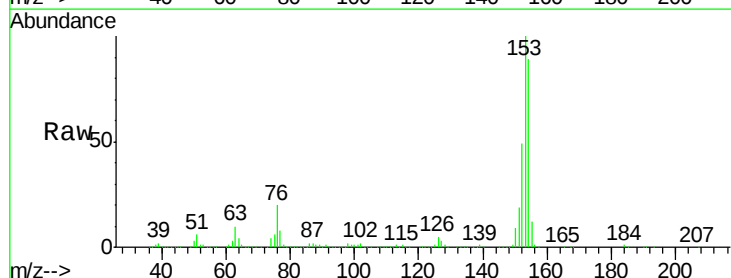
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mohammad
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#52
 Acenaphthene
 Concen: 46.719 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF119515.D
 Acq: 25 Mar 2020 21:02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.0	133.6
152	54.4	43.1	64.7





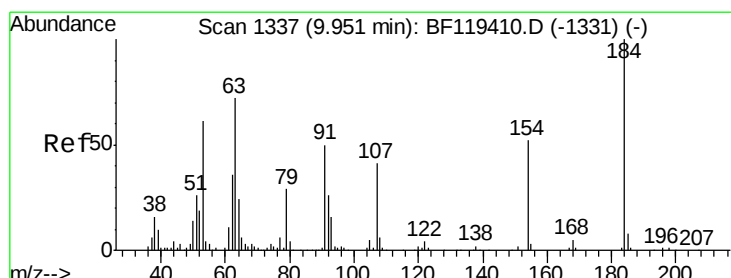
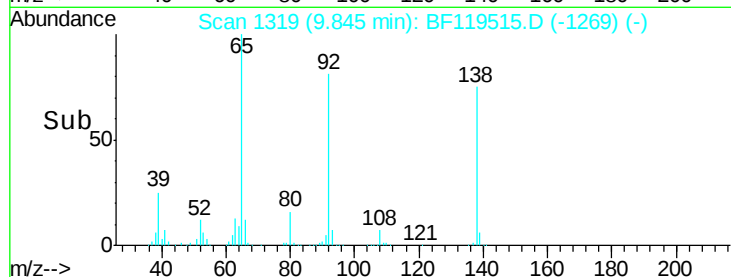
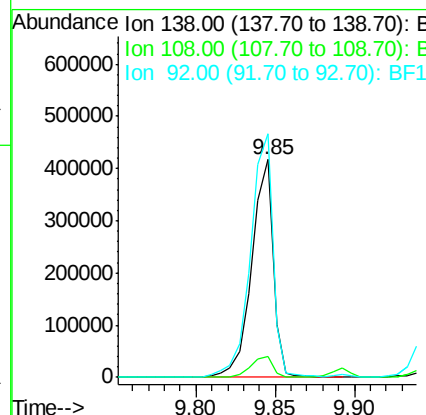
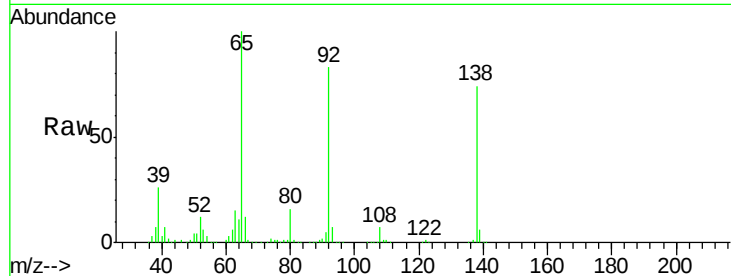
#53
 3-Nitroaniline
 Concen: 26.711 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF119515.D
 Acq: 25 Mar 2020 21:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-30-(8-8.5)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.7	9.0	13.6
92	112.0	93.2	139.8

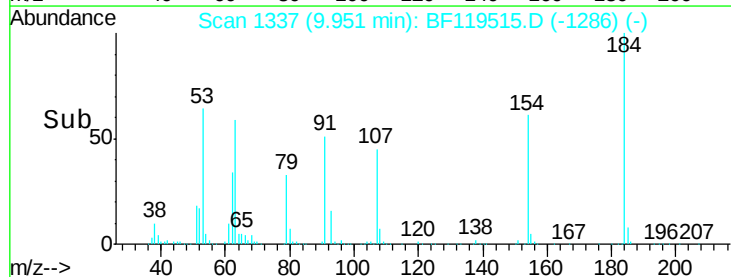
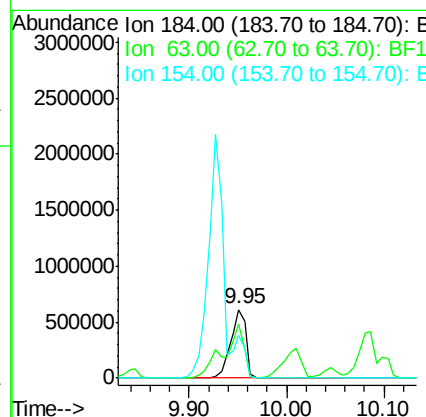
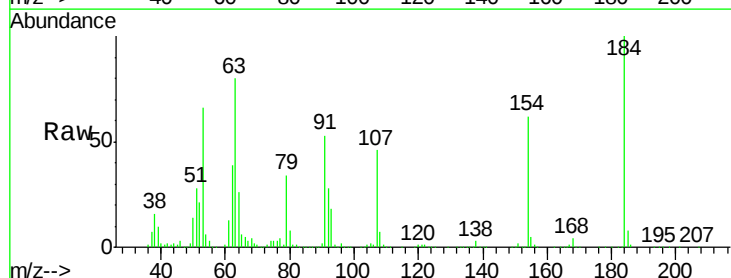
Manual Integrations
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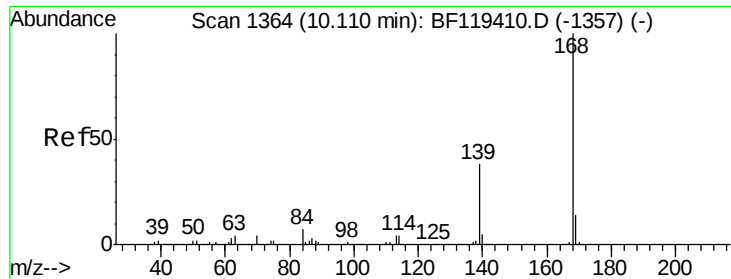
mohammad
 3/27/2020 8:12:05 AM



#54
 2,4-Dinitrophenol
 Concen: 126.036 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: BF119515.D
 Acq: 25 Mar 2020 21:02

Tgt Ion	Ratio	Lower	Upper
184	100		
63	79.8	58.5	87.7
154	61.6	51.8	77.6





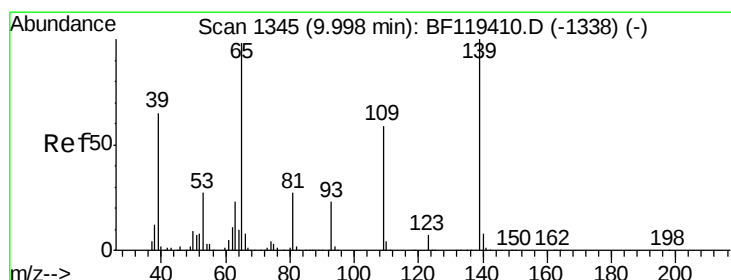
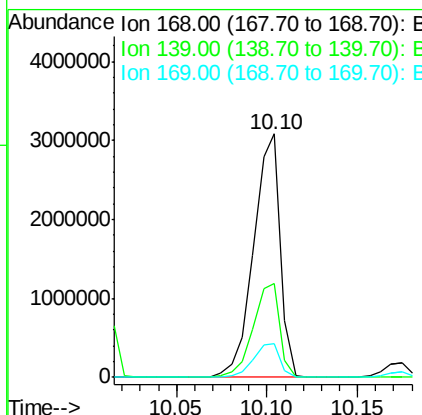
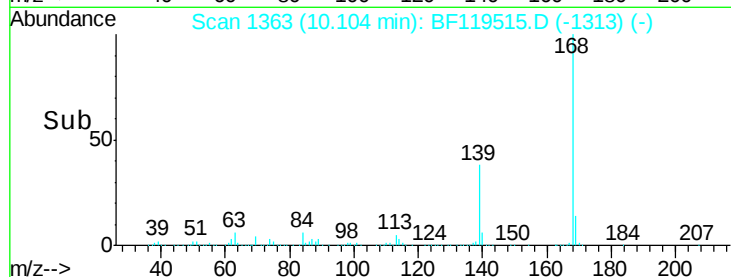
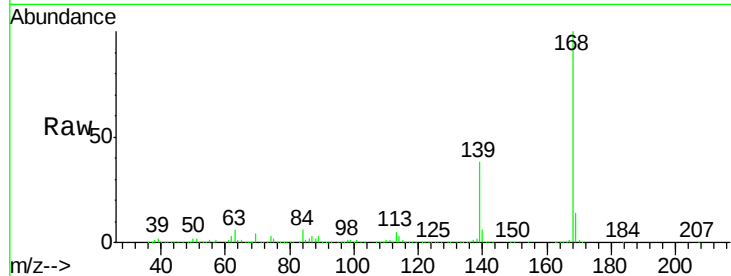
#55
Dibenzofuran
Concen: 45.656 ng
RT: 10.10 min Scan# 1363
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.4	30.2	45.4
169	14.0	11.1	16.7

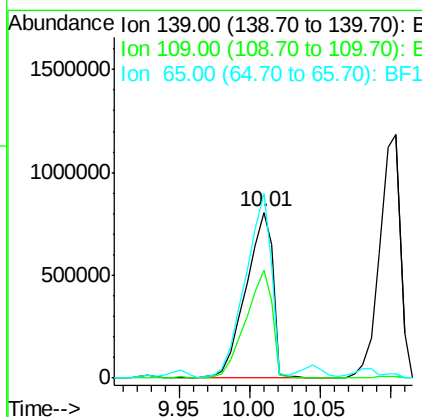
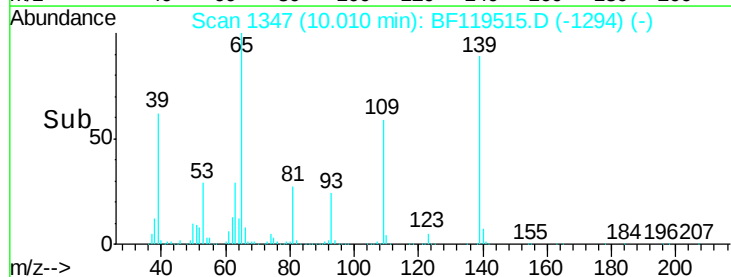
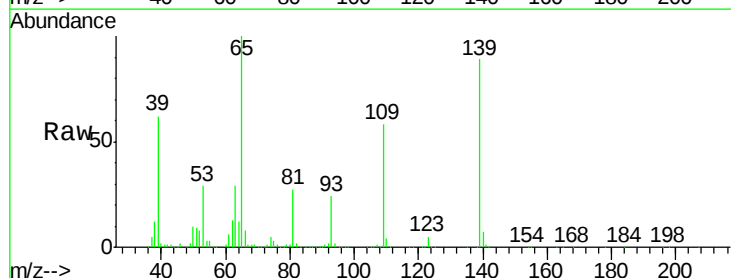
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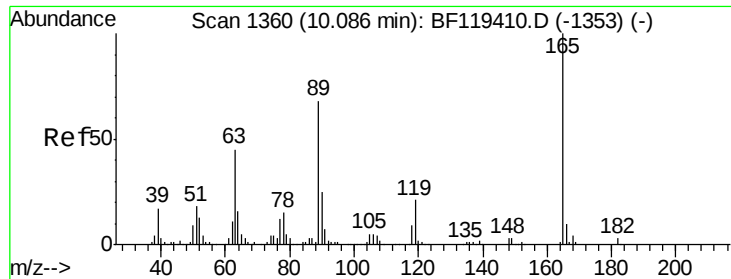
mohammad
3/27/2020 8:12:05 AM



#56
4-Nitrophenol
Concen: 92.409 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion	Ratio	Lower	Upper
139	100		
109	65.4	39.6	79.6
65	111.8	78.3	118.3





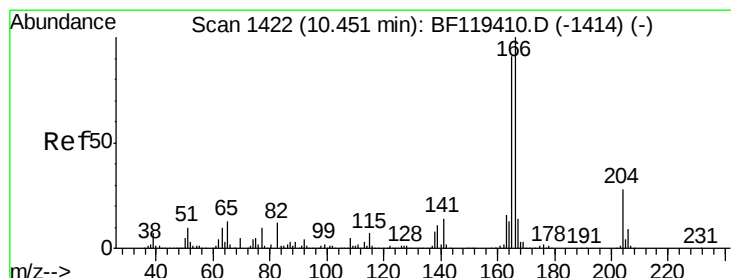
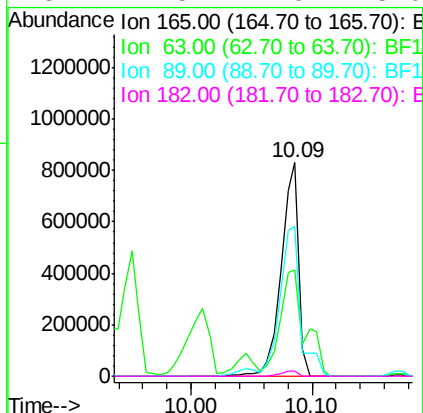
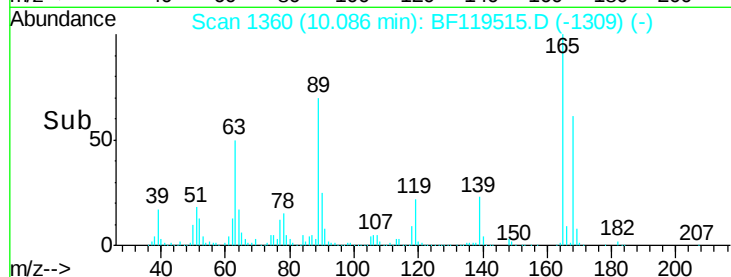
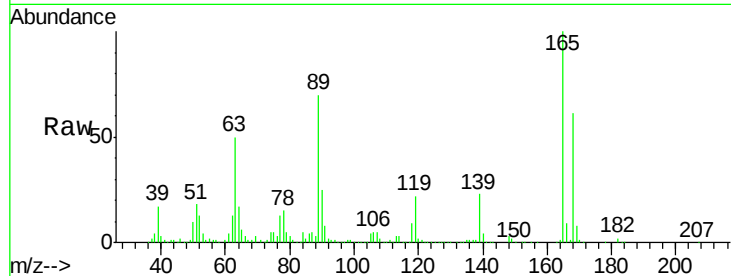
#57
2,4-Dinitrotoluene
Concen: 55.621 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.00 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		819634		
63	49.8	36.2	54.4		
89	70.0	54.3	81.5		
182	2.5	2.0	3.0		

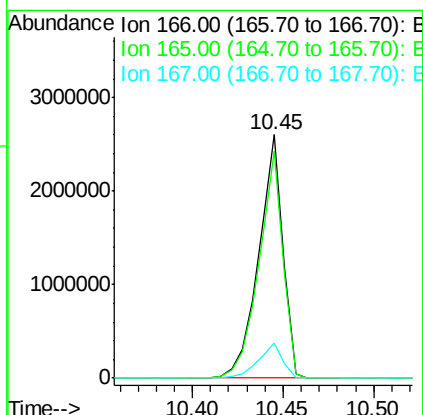
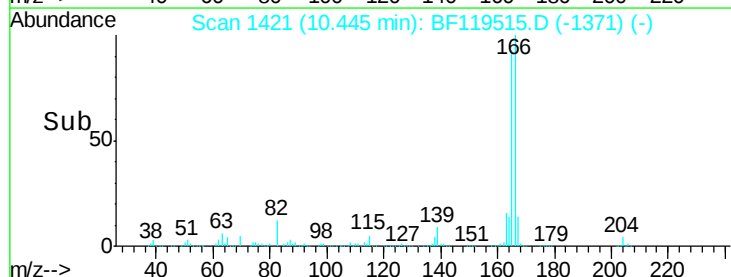
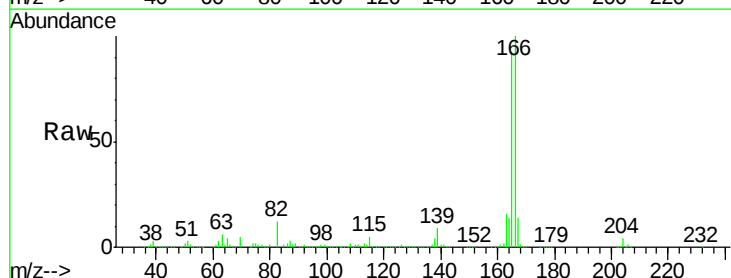
Manual Integrations
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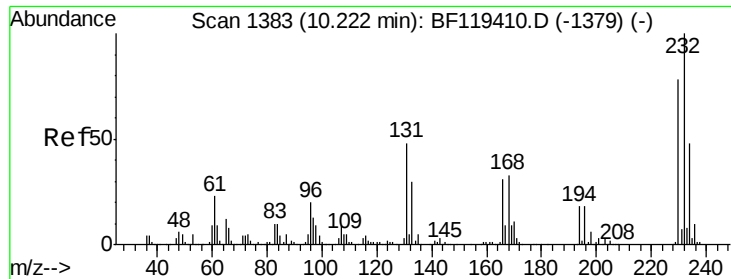
mohammad
3/27/2020 8:12:05 AM



#58
Fluorene
Concen: 47.415 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		2412357		
165	93.2	73.1	109.7		
167	14.5	11.0	16.6		





#59

2,3,4,6-Tetrachlorophenol

Concen: 52.658 ng

RT: 10.22 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Instrument :

BNA_F

ClientSampleId :

SB-30-(8-8.5)MSD

Tot Ion:232 Resp: 710622

Ion Ratio Lower Upper

232 100

131 47.1 36.3 54.5

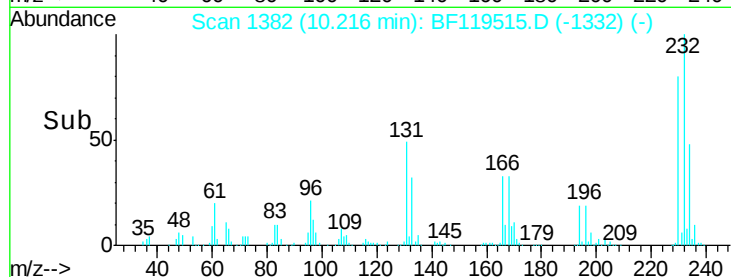
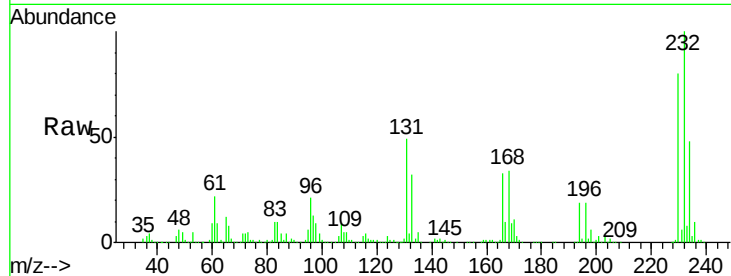
130 2.3 1.8 2.6

166 31.7 24.9 37.3

Manual Integrations
APPROVED

mohammad

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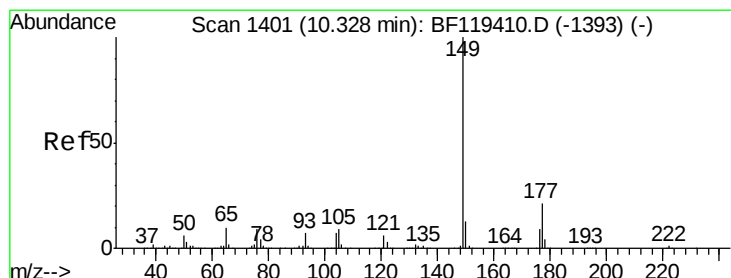
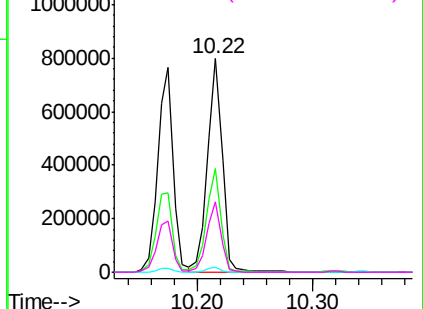


Abundance Ion 232.00 (231.70 to 232.70): E

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: 50.733 ng

RT: 10.32 min Scan# 1400

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

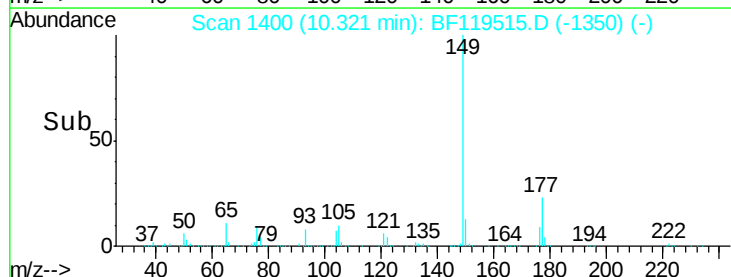
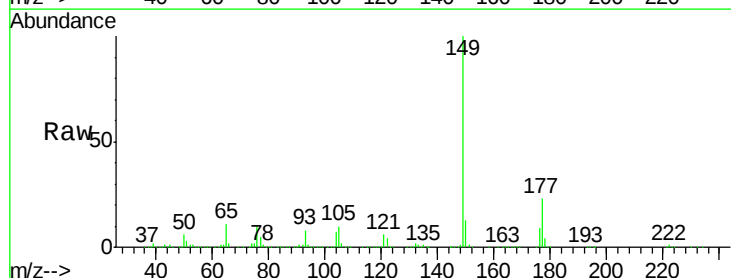
Tgt Ion:149 Resp: 2810118

Ion Ratio Lower Upper

149 100

177 22.6 17.0 25.6

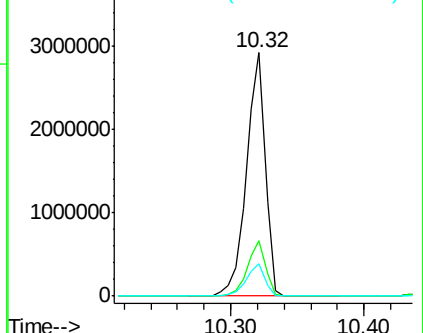
150 13.4 10.2 15.4



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





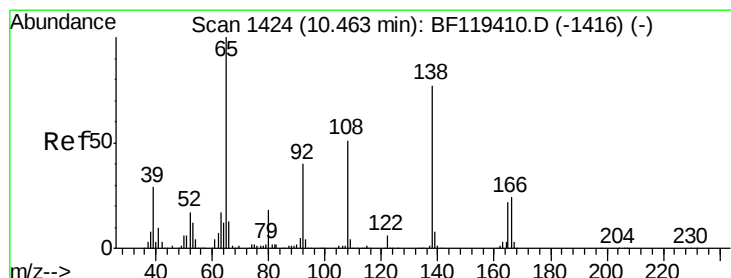
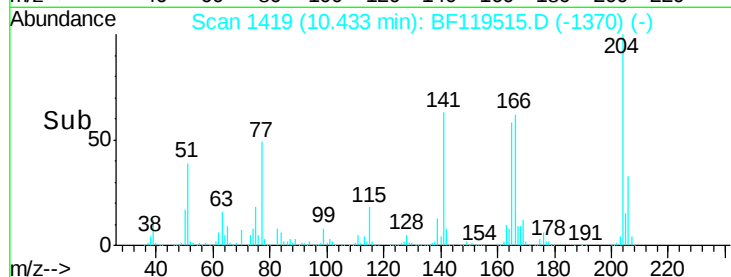
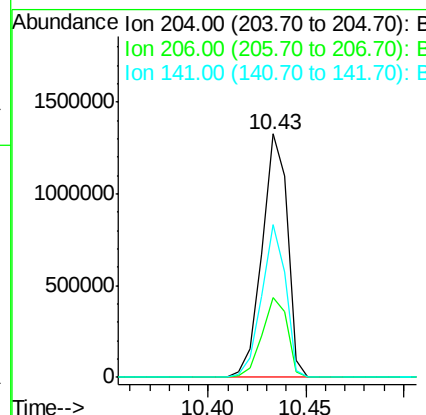
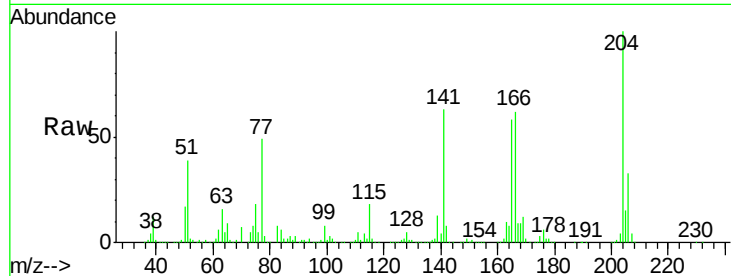
#61
 4-Chlorophenyl-phenylether
 Concen: 47.938 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF119515.D
 Acq: 25 Mar 2020 21:02

Instrument :
 BNA_F
 ClientSampled :
 SB-30-(8-8.5)MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.7	40.1
141	62.9	48.8	73.2

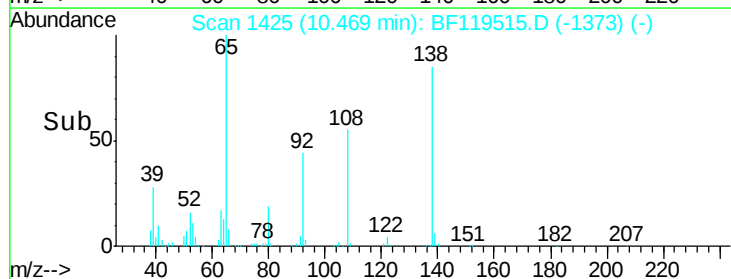
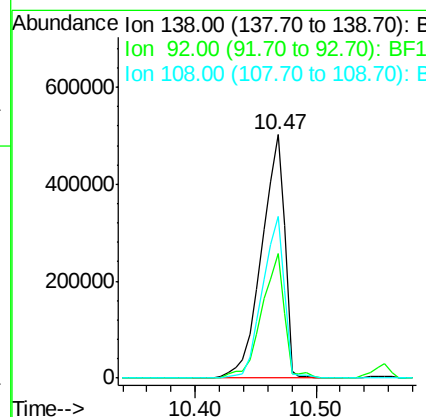
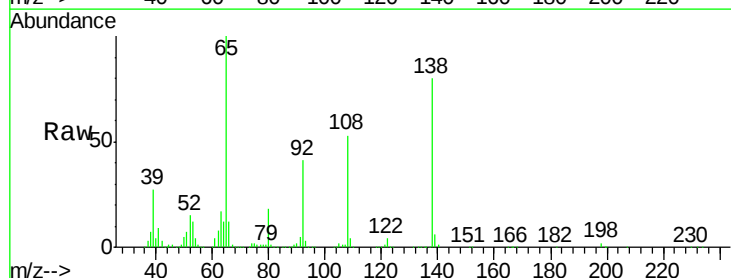
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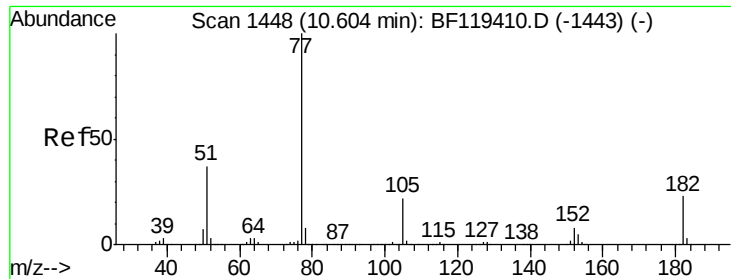
mohammad
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#62
 4-Nitroaniline
 Concen: 47.501 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. 0.01 min
 Lab File: BF119515.D
 Acq: 25 Mar 2020 21:02

Tgt Ion	Ratio	Lower	Upper
138	100		
92	51.4	32.0	72.0
108	66.6	46.0	86.0





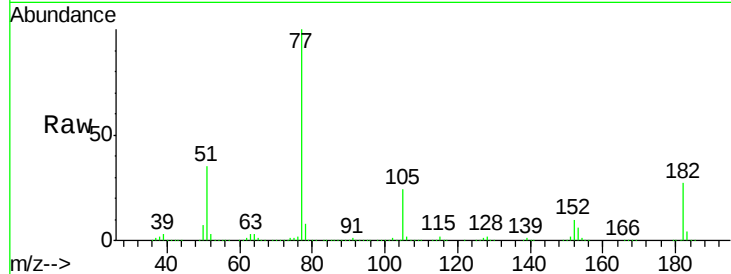
#63
Azobenzene
Concen: 47.708 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

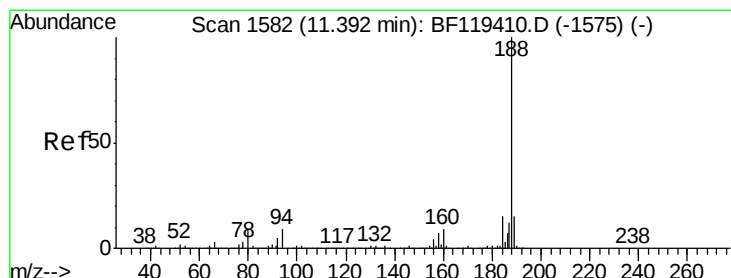
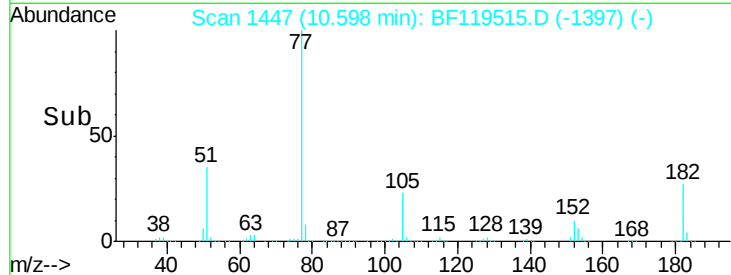
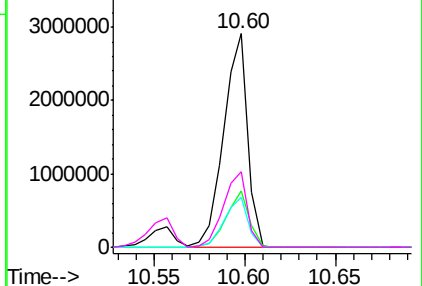
Tot Ion: 77 Resp: 2661121
Ion Ratio Lower Upper
77 100
182 26.5 2.5 42.5
105 23.5 2.5 42.5
51 35.4 17.1 57.1

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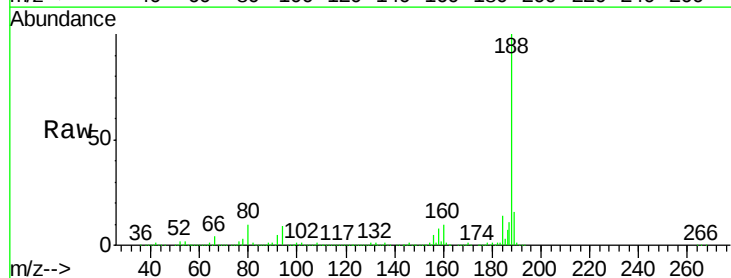


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

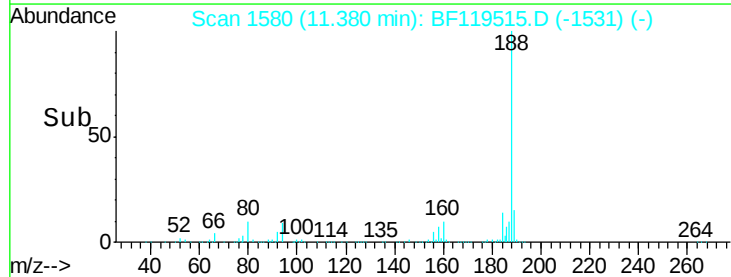
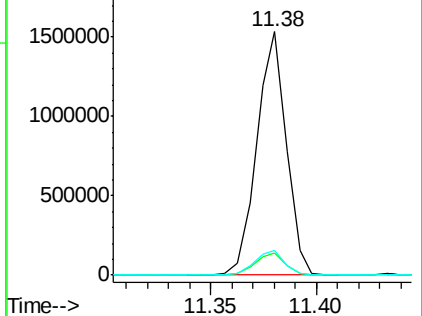


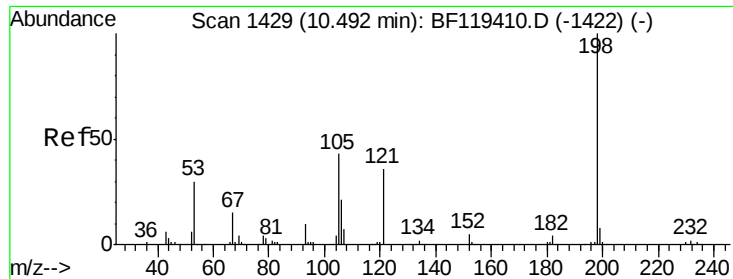
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion: 188 Resp: 1489403
Ion Ratio Lower Upper
188 100
94 9.3 7.1 10.7
80 9.9 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: 69.260 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.00 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Instrument :

BNA_F

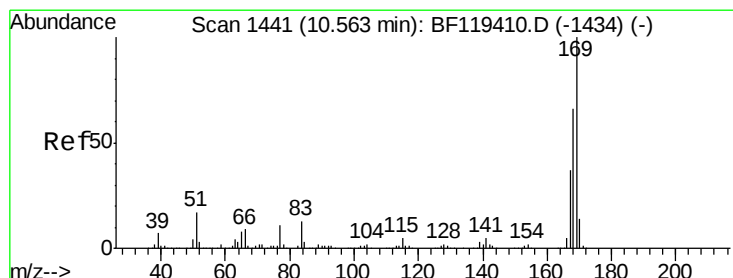
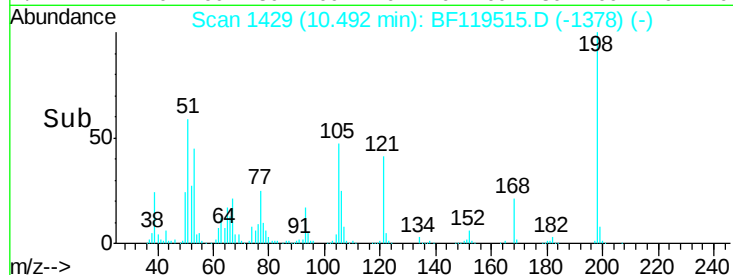
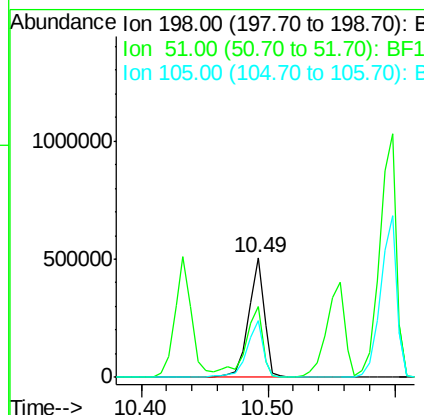
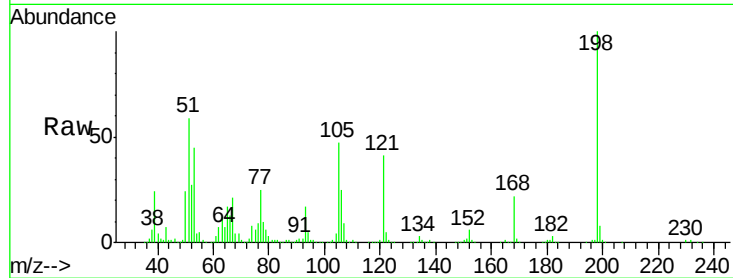
ClientSampleId :

SB-30-(8-8.5)MSD

Tot Ion:	198	Resp:	432562
Ion Ratio	Lower	Upper	
198	100		
51	59.1	33.1	73.1
105	46.9	24.1	64.1

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#66

n-Nitrosodiphenylamine

Concen: 47.203 ng

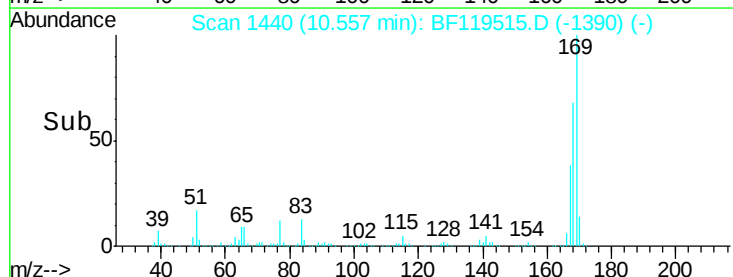
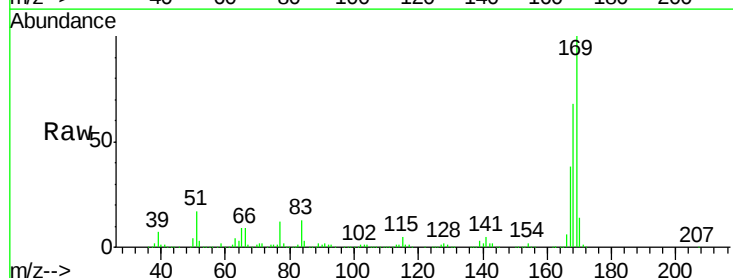
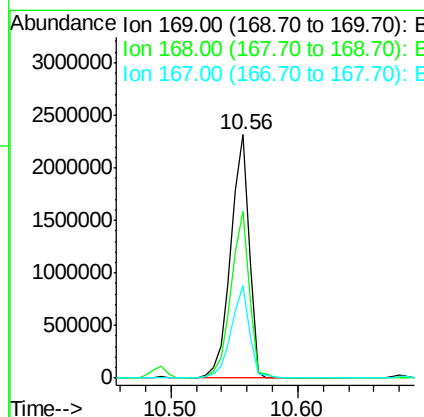
RT: 10.56 min Scan# 1440

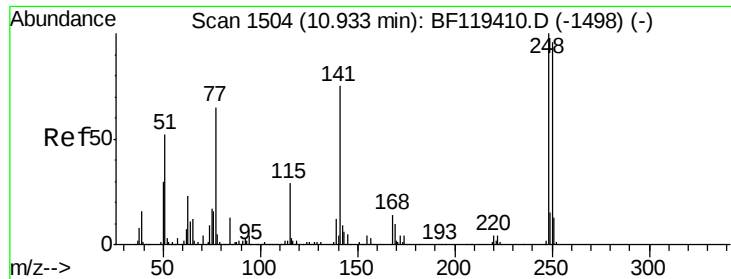
Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Tgt Ion:	169	Resp:	2307958
Ion Ratio	Lower	Upper	
169	100		
168	68.4	52.7	79.1
167	38.1	29.3	43.9





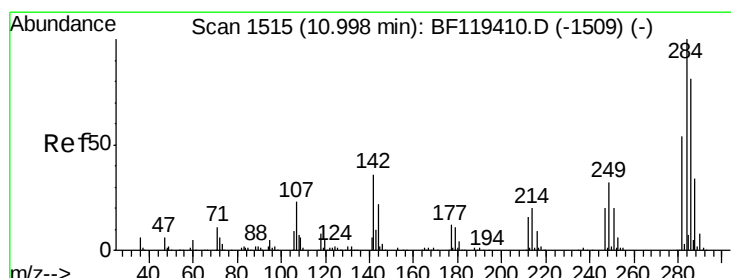
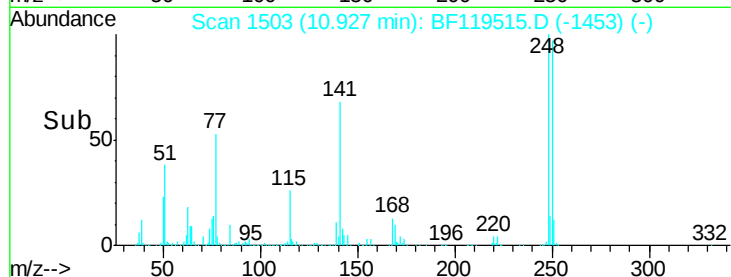
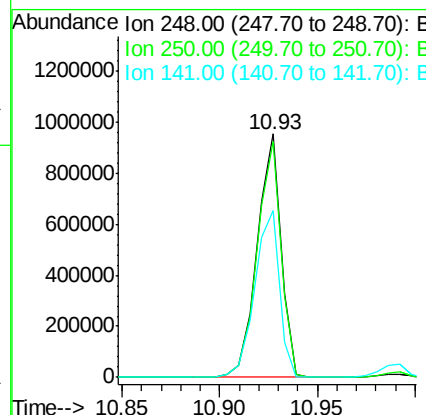
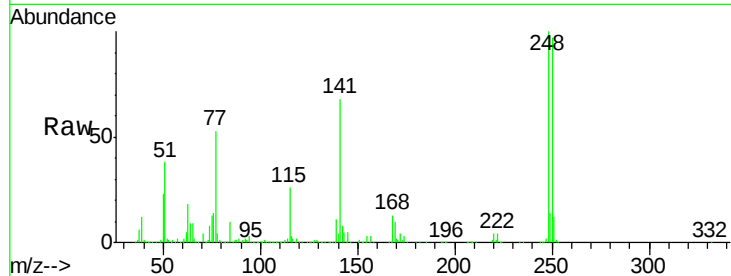
#67
4-Bromophenyl-phenylether
Concen: 47.755 ng
RT: 10.93 min Scan# 1503
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.0	115.6
141	68.4	59.7	89.5

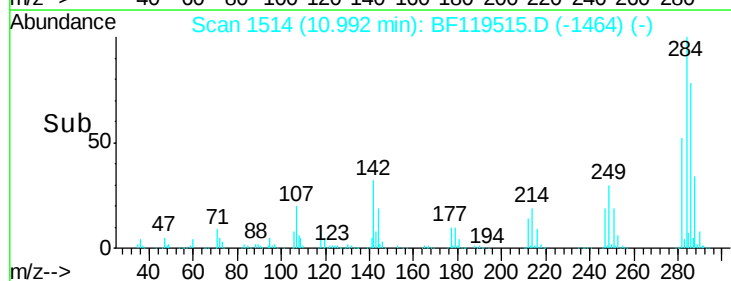
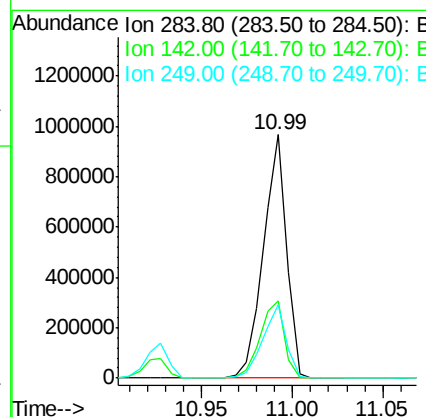
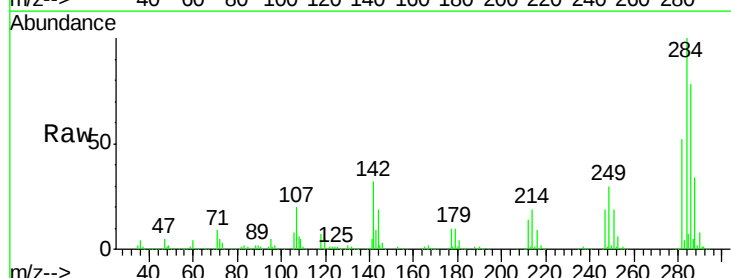
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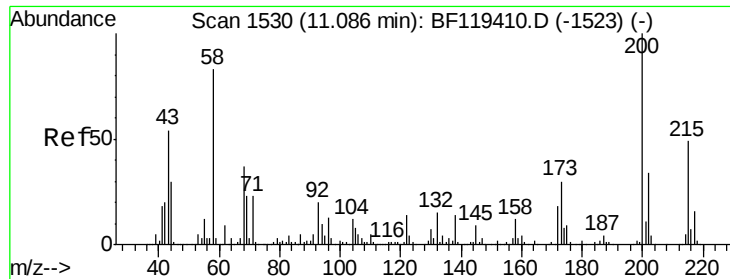
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#68
Hexachlorobenzene
Concen: 49.471 ng
RT: 10.99 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion	Ratio	Lower	Upper
284	100		
142	31.7	28.7	43.1
249	30.4	25.4	38.0





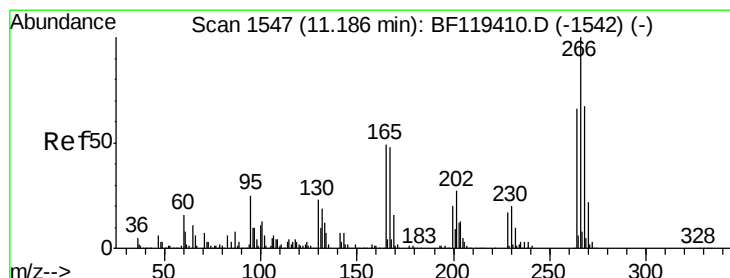
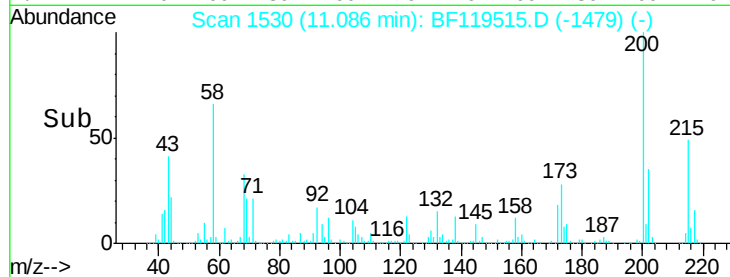
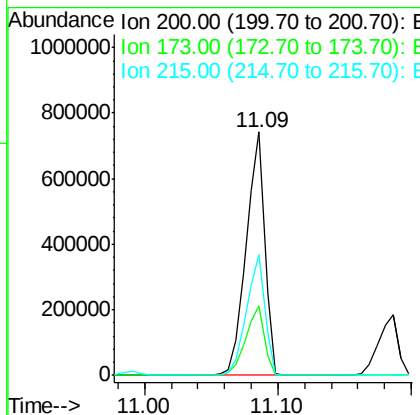
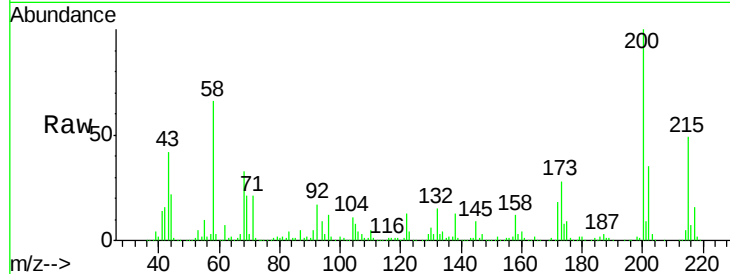
#69
 Atrazine
 Concen: 52.942 ng
 RT: 11.09 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: BF119515.D
 Acq: 25 Mar 2020 21:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-30-(8-8.5)MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.4	9.9	49.9
215	49.3	29.4	69.4

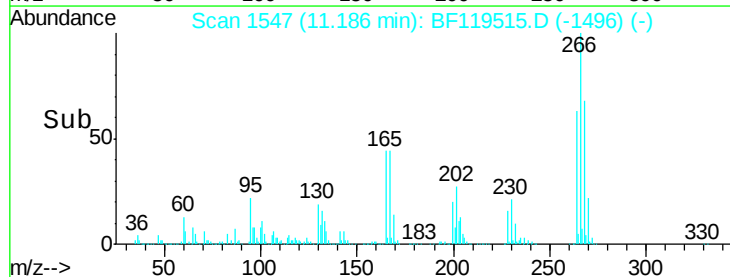
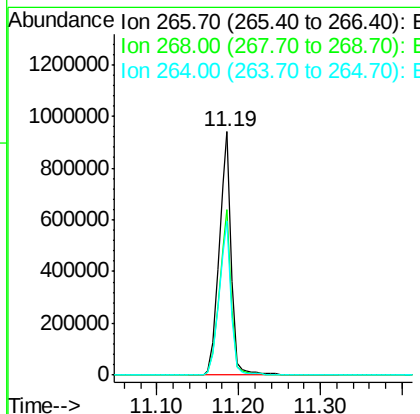
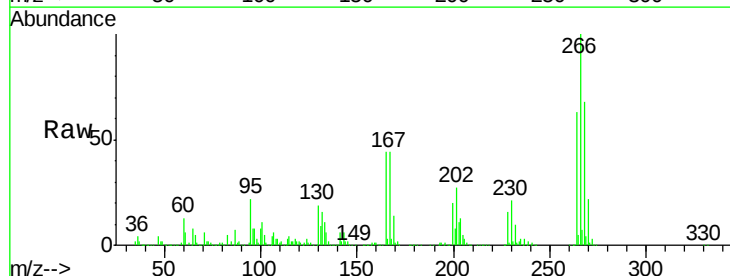
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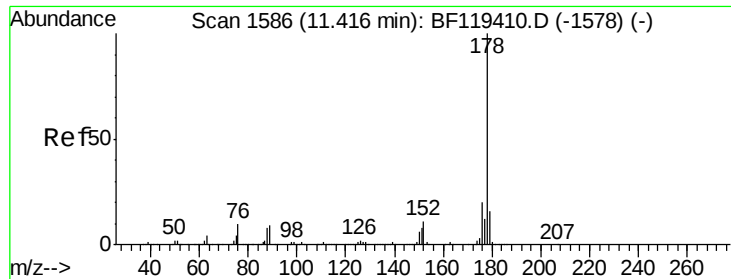
mohammad
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#70
 Pentachlorophenol
 Concen: 95.327 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.00 min
 Lab File: BF119515.D
 Acq: 25 Mar 2020 21:02

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.9	53.7	80.5
264	63.1	52.5	78.7





#71

Phenanthrene

Concen: 44.508 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Instrument :

BNA_F

ClientSampleId :

SB-30-(8-8.5)MSD

Tot Ion:178 Resp: 3437305

Ion Ratio Lower Upper

178 100

176 21.3 16.2 24.4

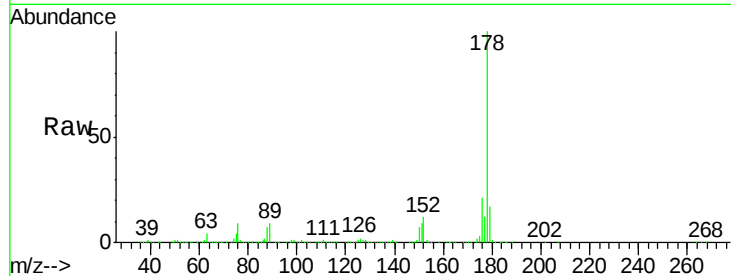
179 16.8 12.9 19.3

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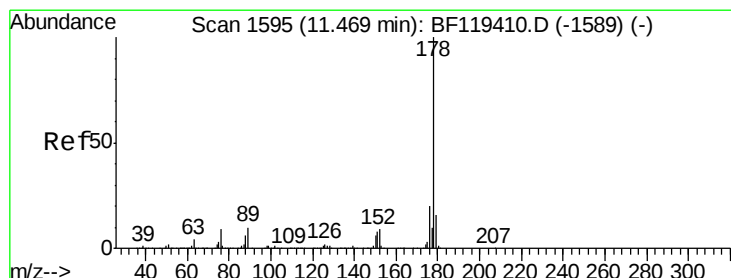
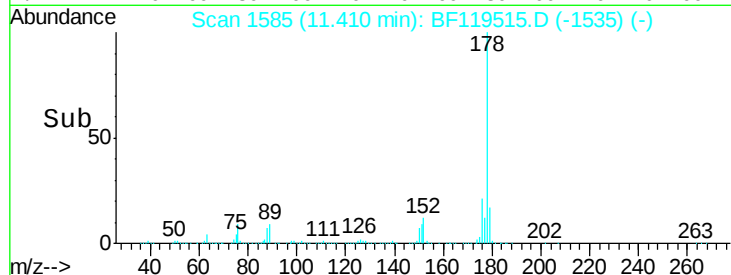
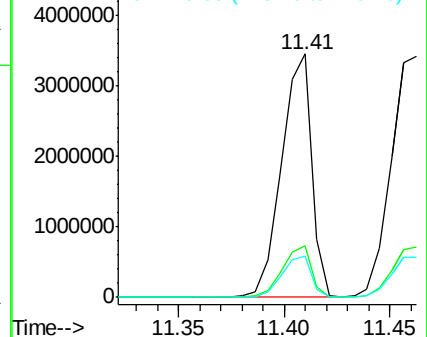
3/27/2020 8:12:05 AM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 45.340 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Tgt Ion:178 Resp: 3558830

Ion Ratio Lower Upper

178 100

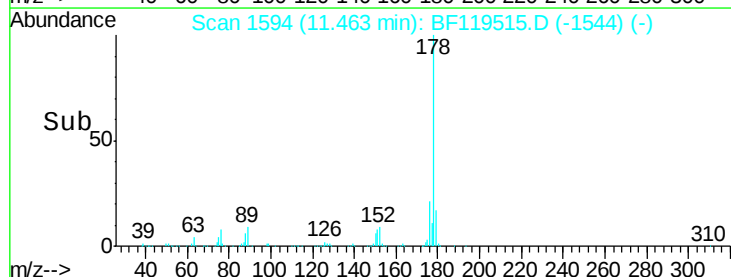
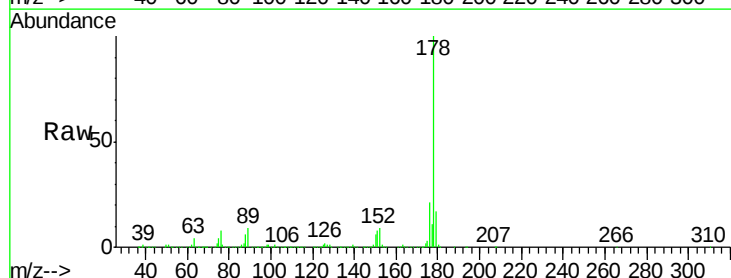
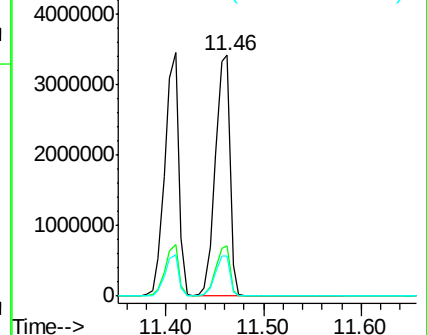
176 20.6 15.6 23.4

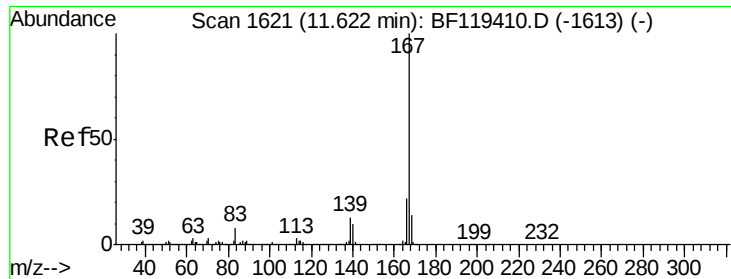
179 16.9 13.1 19.7

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





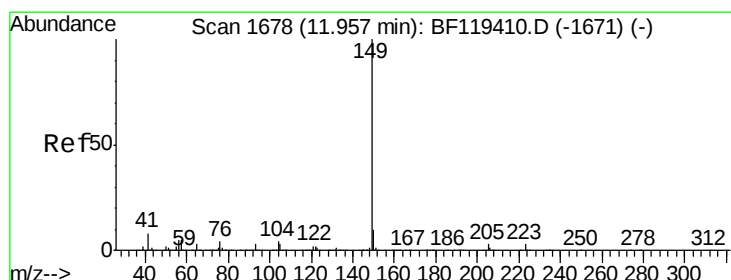
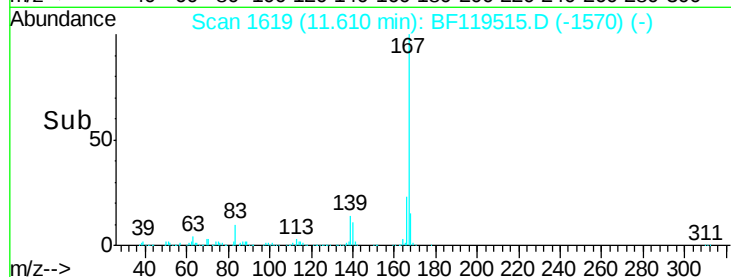
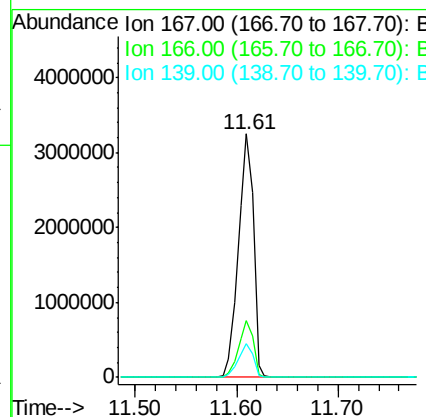
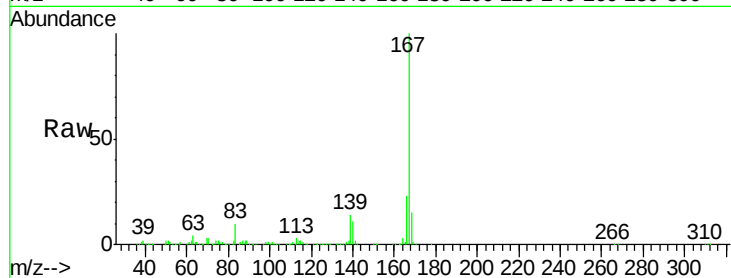
#73
 Carbazole
 Concen: 43.197 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF119515.D
 Acq: 25 Mar 2020 21:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-30-(8-8.5)MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.4	17.8	26.6
139	14.0	10.2	15.4

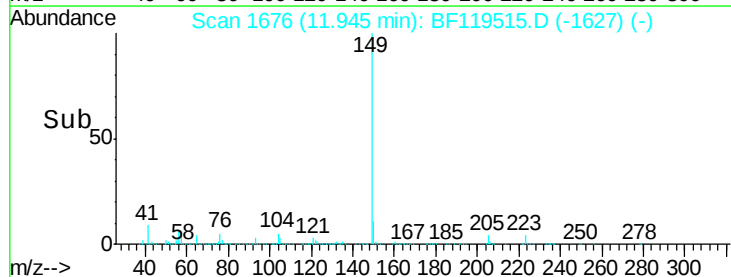
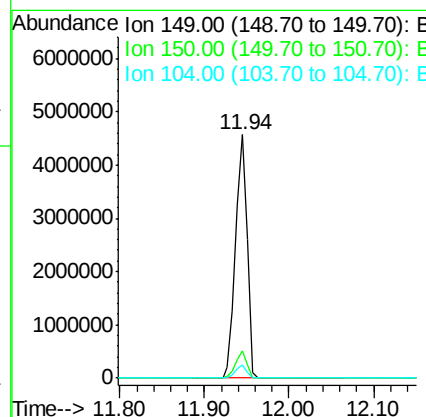
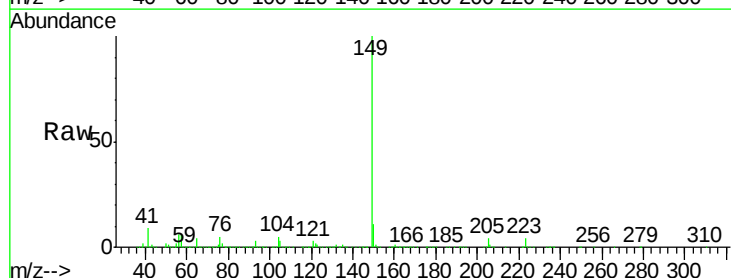
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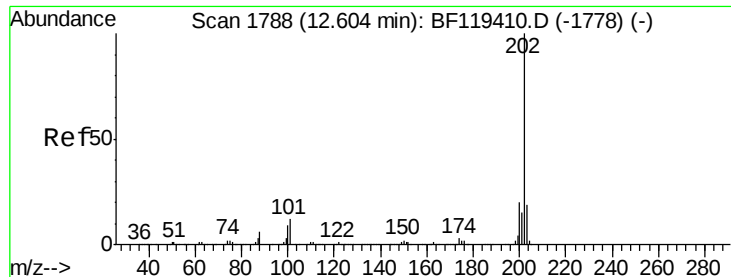
mohammad
 3/27/2020 8:12:05 AM



#74
 Di-n-butylphthalate
 Concen: 51.174 ng
 RT: 11.94 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: BF119515.D
 Acq: 25 Mar 2020 21:02

Tgt Ion	Ratio	Lower	Upper
149	100		
150	11.0	7.6	11.4
104	5.4	3.5	5.3#





#75

Fluoranthene

Concen: 44.086 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Instrument :

BNA_F

ClientSampleId :

SB-30-(8-8.5)MSD

Tot Ion:202 Resp: 3684721

Ion Ratio Lower Upper

202 100

101 11.4 0.0 32.4

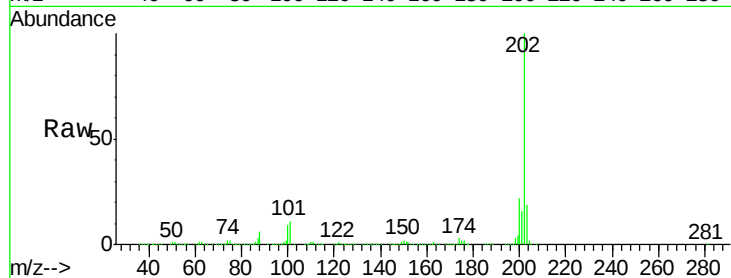
203 19.1 0.0 38.5

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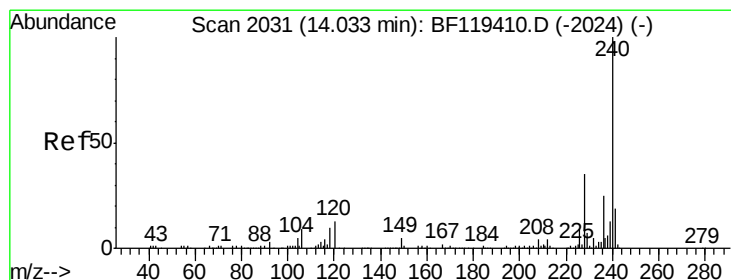
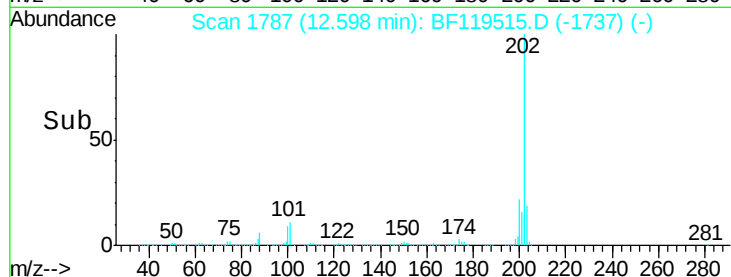
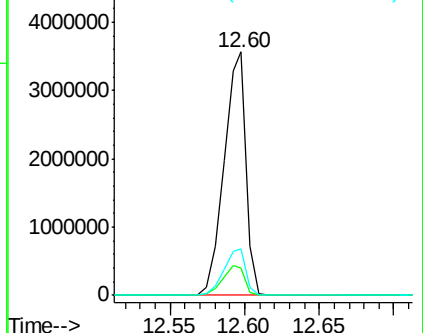
3/27/2020 8:12:05 AM



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: BF119515.D

Acq: 25 Mar 2020 21:02

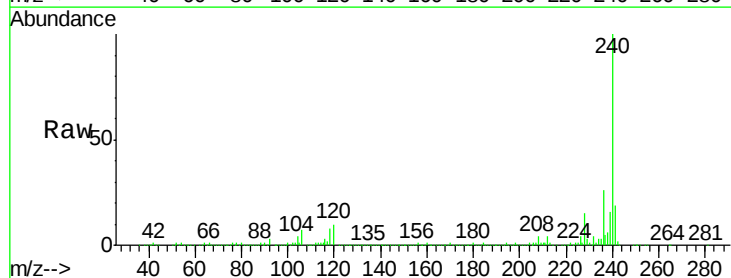
Tgt Ion:240 Resp: 1004393

Ion Ratio Lower Upper

240 100

120 9.9 10.2 15.4#

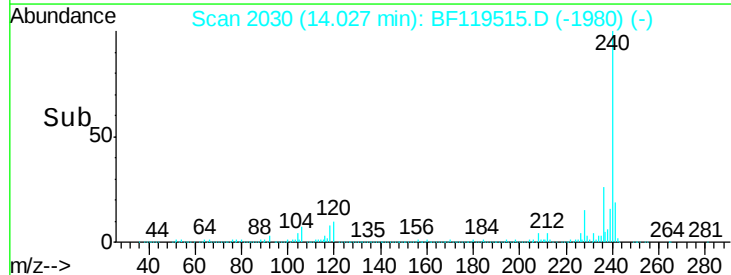
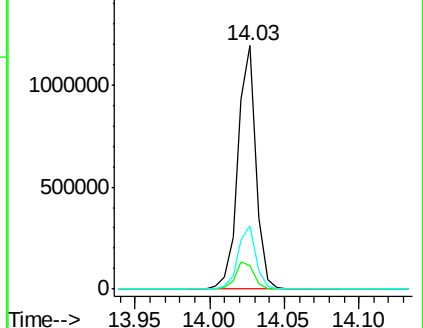
236 25.8 20.4 30.6

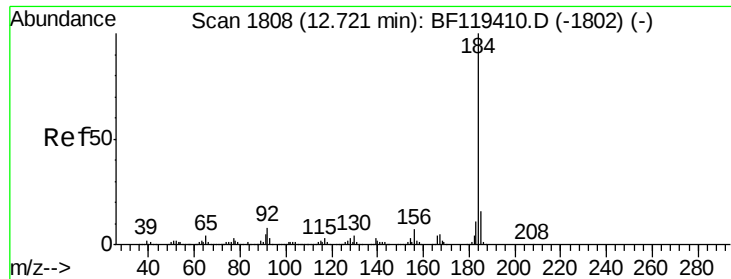


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 53.011 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Instrument :

BNA_F

ClientSampleId :

SB-30-(8-8.5)MSD

Tot Ion:184 Resp: 2253296

Ion Ratio Lower Upper

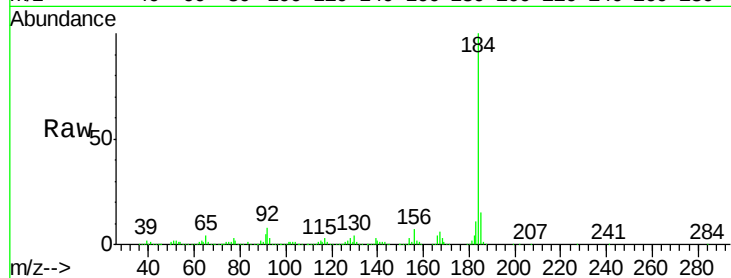
184 100

185 15.4 12.9 19.3

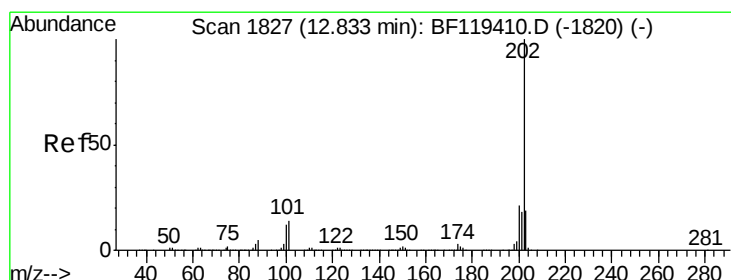
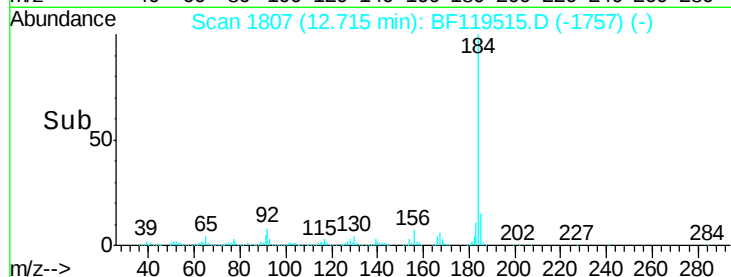
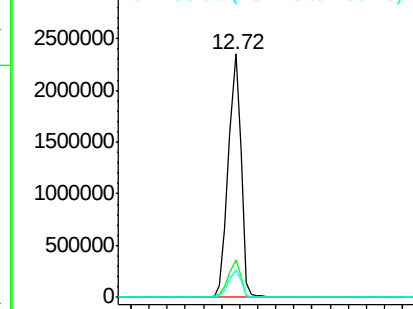
183 11.2 9.0 13.4

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 44.867 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

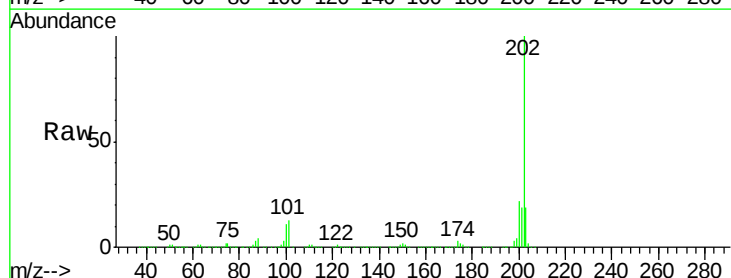
Tgt Ion:202 Resp: 3698338

Ion Ratio Lower Upper

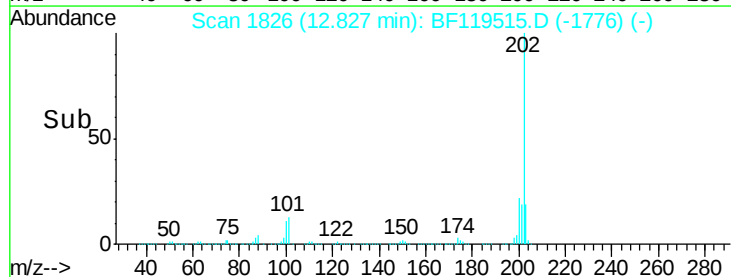
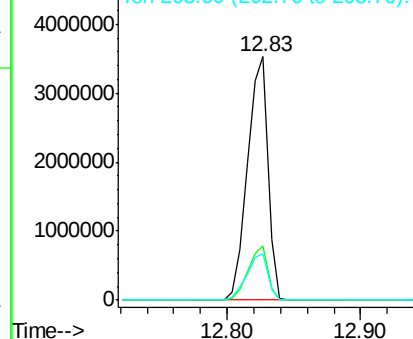
202 100

200 22.3 16.8 25.2

203 18.9 14.8 22.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





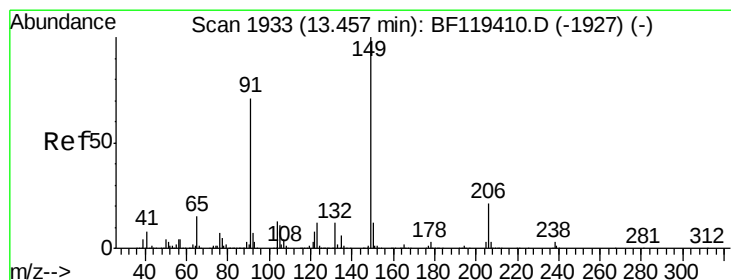
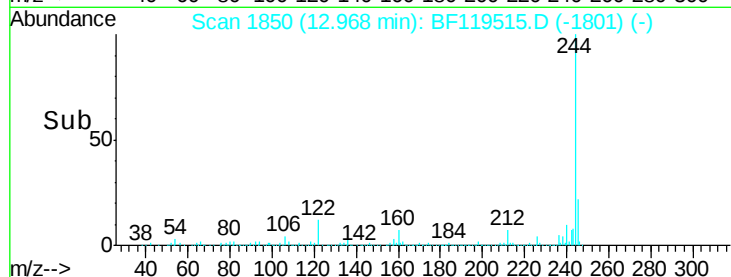
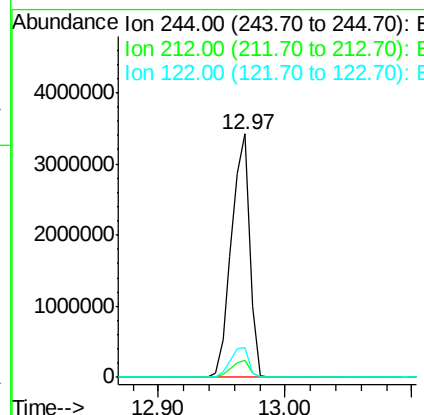
#79
 Terphenyl-d14
 Concen: 66.250 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BF119515.D
 Acq: 25 Mar 2020 21:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-30-(8-8.5)MSD

Tot Ion:244 Resp: 3396319
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.7 8.5
 122 12.0 9.8 14.8

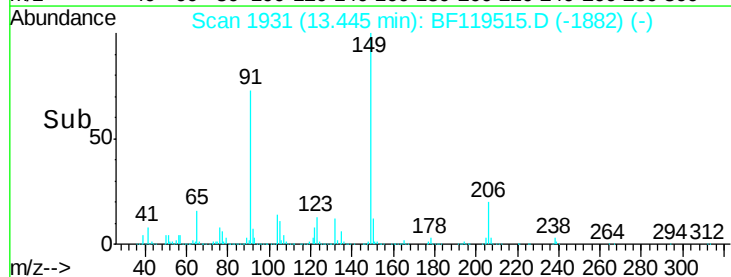
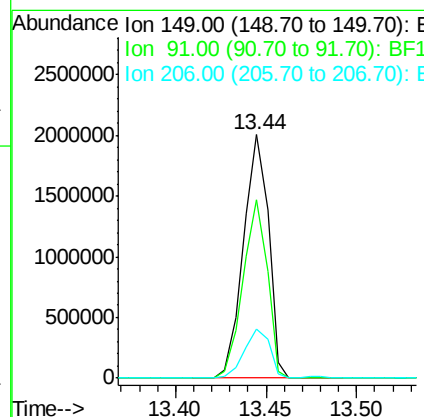
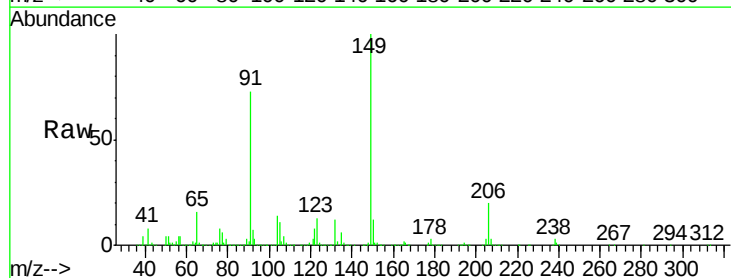
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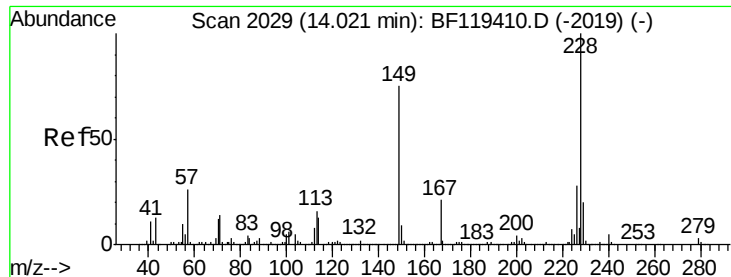
mohammad
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#80
 Butylbenzylphthalate
 Concen: 57.837 ng
 RT: 13.44 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: BF119515.D
 Acq: 25 Mar 2020 21:02

Tgt Ion:149 Resp: 1928248
 Ion Ratio Lower Upper
 149 100
 91 73.4 57.0 85.6
 206 20.0 16.4 24.6





#81

Benzo(a)anthracene

Concen: 44.102 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Instrument :

BNA_F

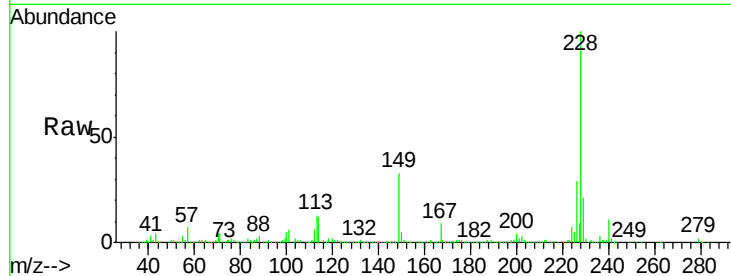
ClientSampleId :

SB-30-(8-8.5)MSD

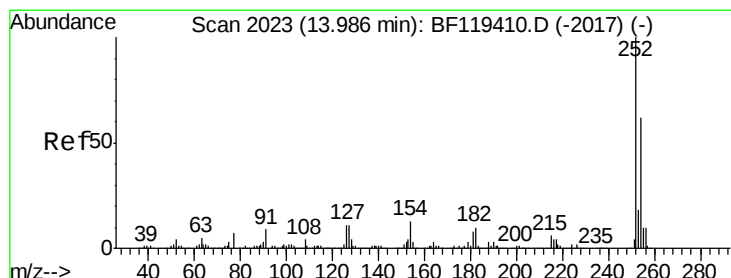
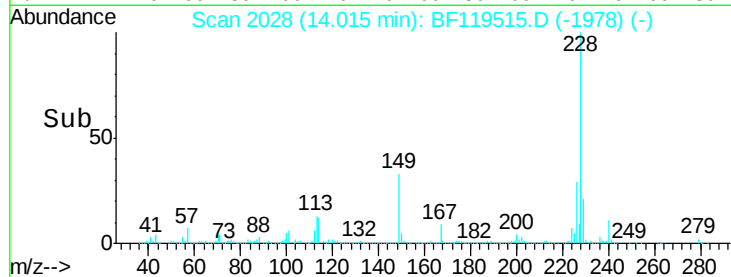
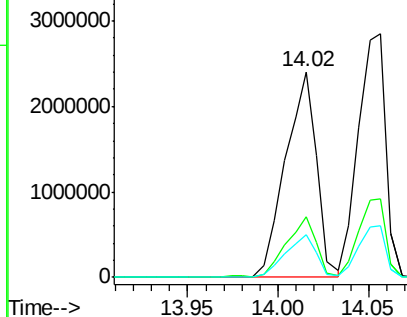
Tot Ion:	228	Resp:	2880480
Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.3	33.5
229	20.9	16.3	24.5

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 33.681 ng

RT: 13.97 min Scan# 2021

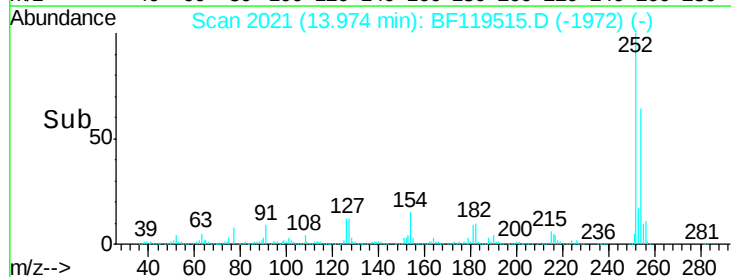
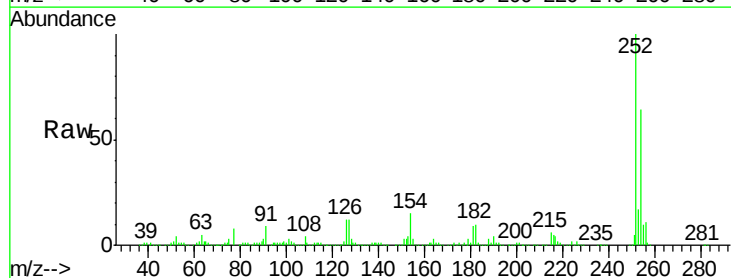
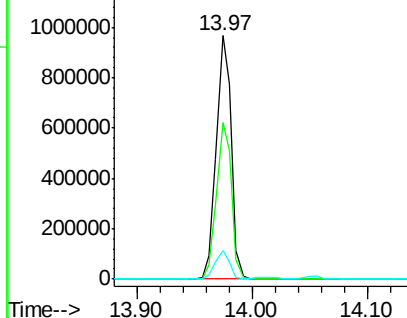
Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Tgt Ion:	252	Resp:	867366
Ion	Ratio	Lower	Upper
252	100		
254	64.1	49.8	74.8
126	11.9	8.9	13.3

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





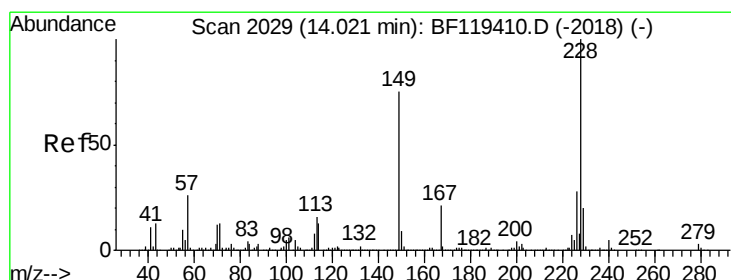
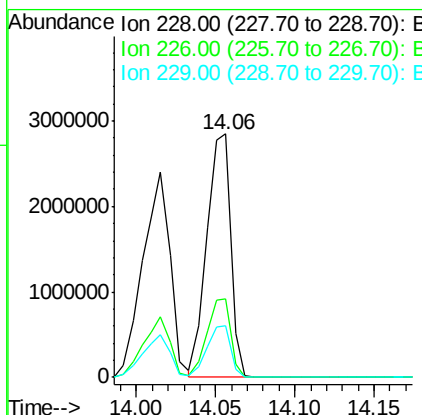
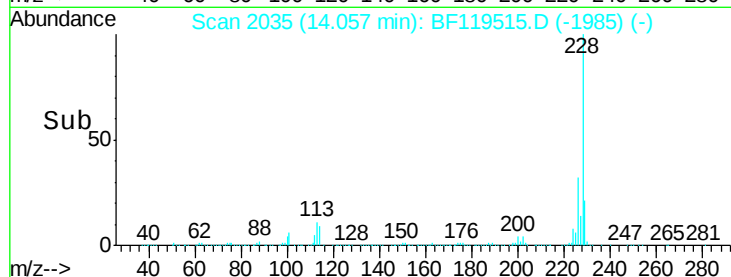
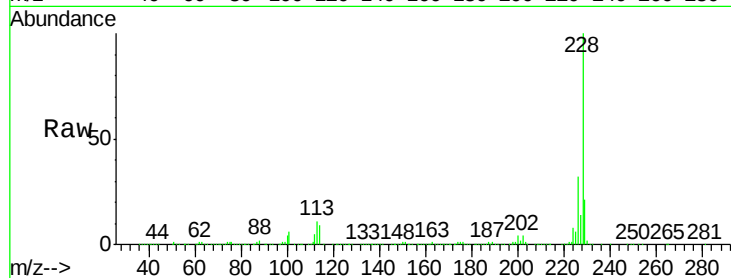
#83
 Chrysene
 Concen: 44.720 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF119515.D
 Acq: 25 Mar 2020 21:02

Instrument :
 BNA_F
 ClientSampled :
 SB-30-(8-8.5)MSD

Tot Ion:228 Resp: 3014405
 Ion Ratio Lower Upper
 228 100
 226 32.4 24.8 37.2
 229 21.2 16.6 25.0

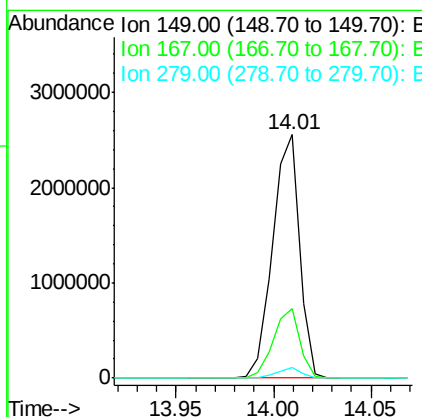
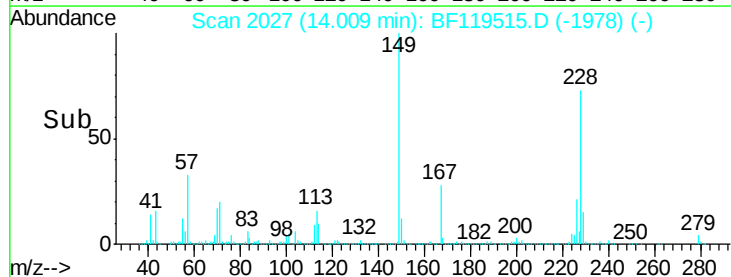
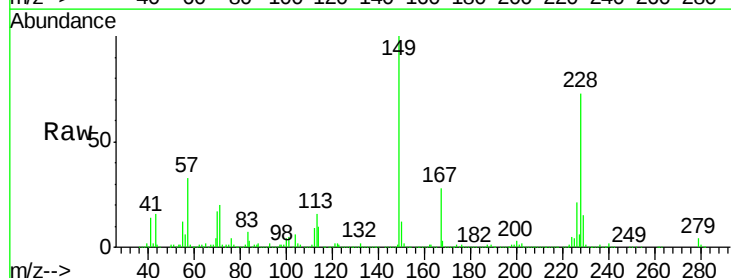
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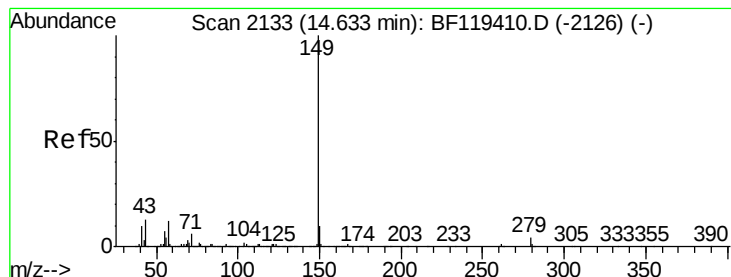
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 61.408 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF119515.D
 Acq: 25 Mar 2020 21:02

Tgt Ion:149 Resp: 2440541
 Ion Ratio Lower Upper
 149 100
 167 28.4 22.0 33.0
 279 4.3 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 62.061 ng

RT: 14.62 min Scan# 2131

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

Instrument :

BNA_F

ClientSampleId :

SB-30-(8-8.5)MSD

Tot Ion:149 Resp: 4337867

Ion Ratio Lower Upper

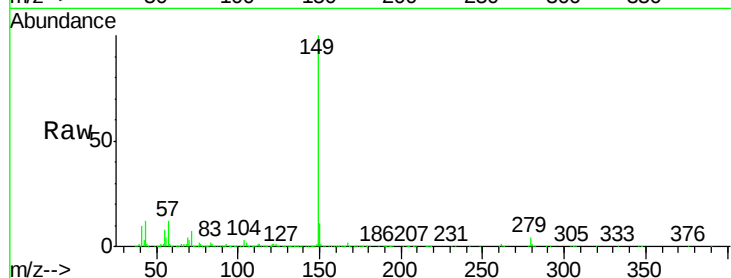
149 100

167 1.7 1.1 1.7#

43 12.0 10.1 15.1

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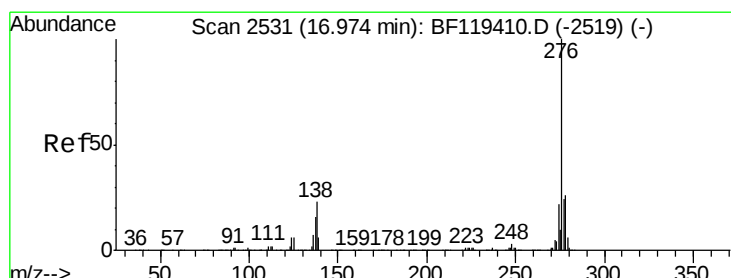
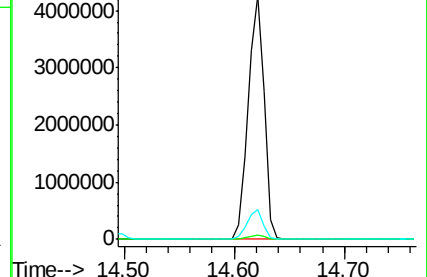
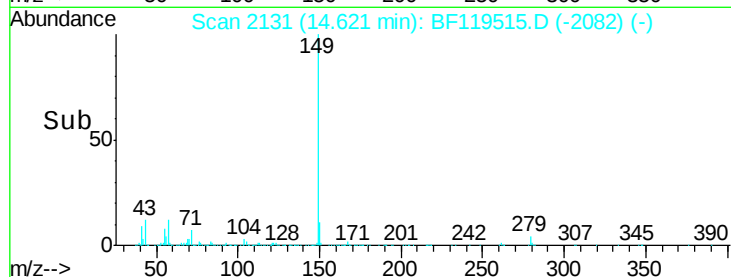
mohammad
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 42.689 ng

RT: 16.96 min Scan# 2529

Delta R.T. -0.01 min

Lab File: BF119515.D

Acq: 25 Mar 2020 21:02

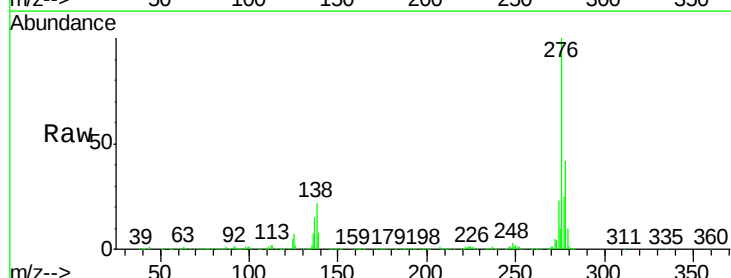
Tgt Ion:276 Resp: 2710048

Ion Ratio Lower Upper

276 100

138 24.2 21.3 31.9

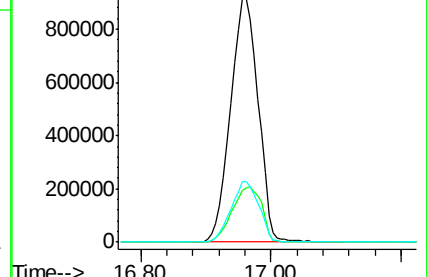
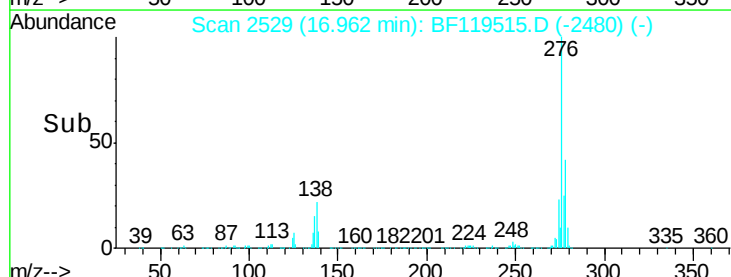
277 25.0 20.2 30.2

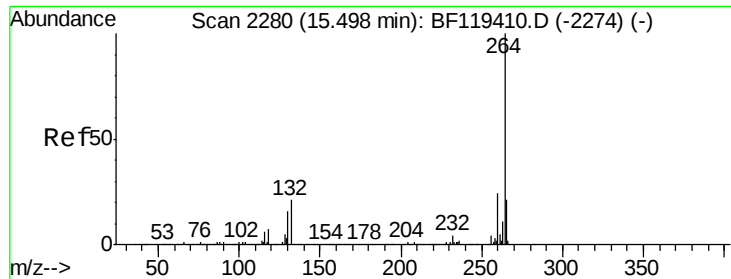


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





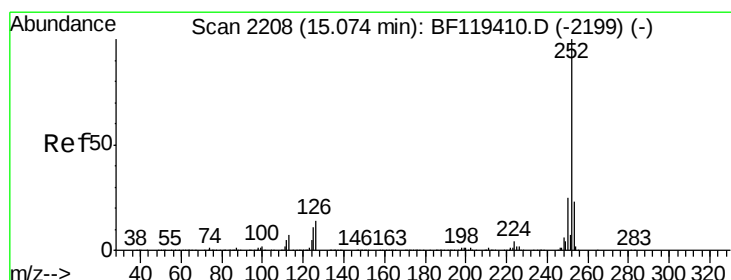
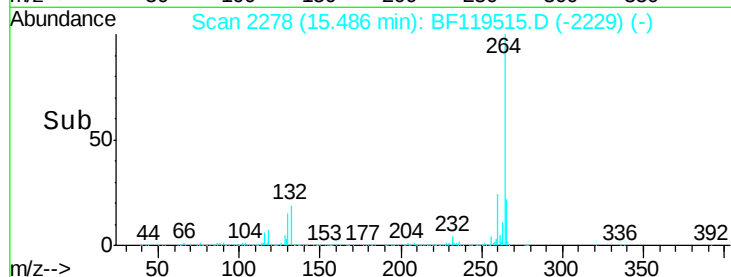
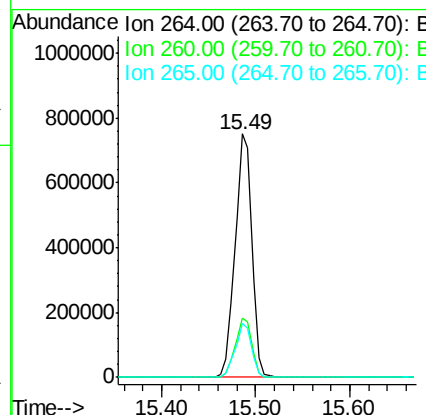
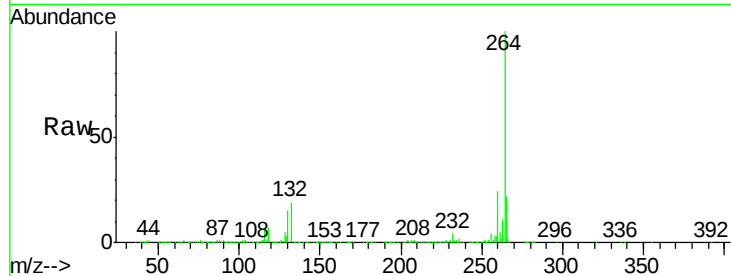
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.2	16.9	25.3

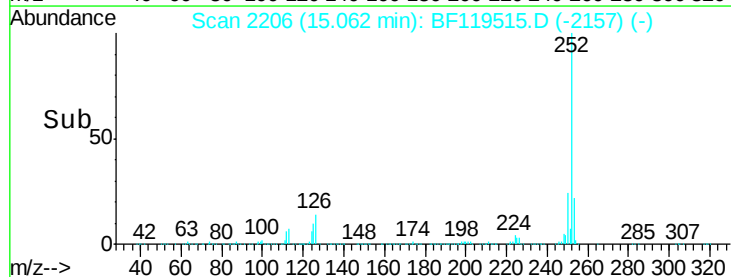
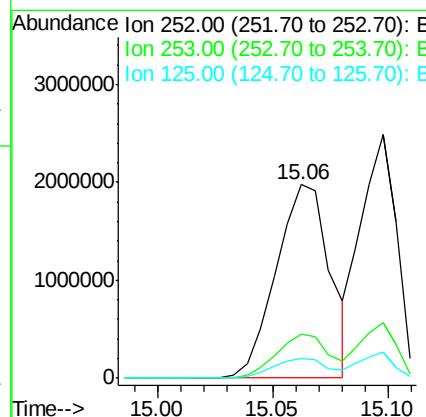
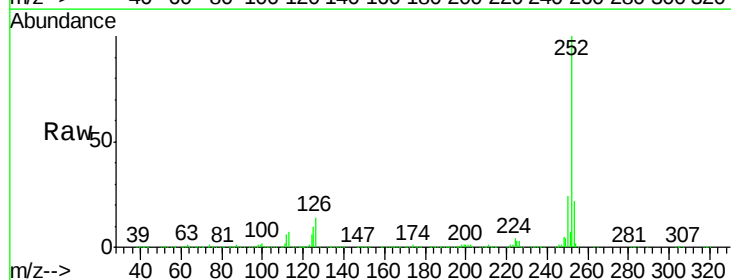
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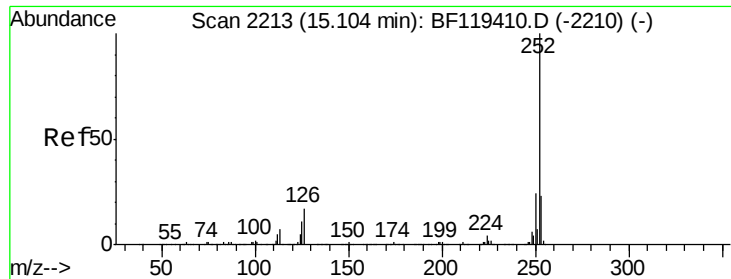
mohammad
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#88
Benzo(b)fluoranthene
Concen: 51.435 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	10.5	8.8	13.2





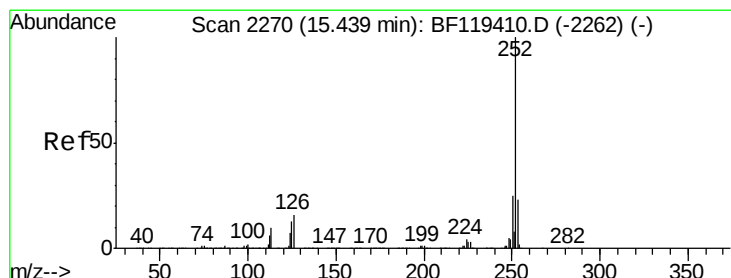
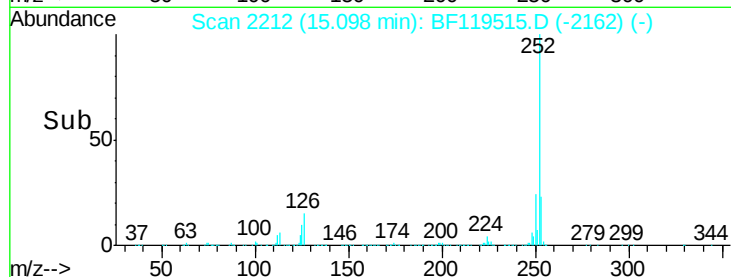
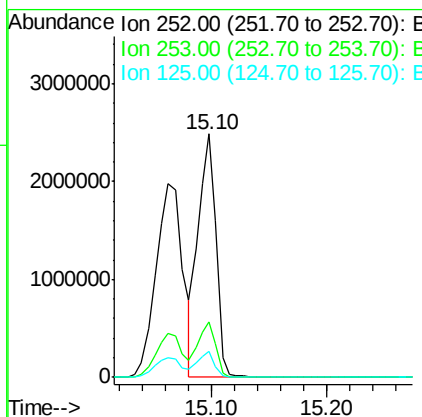
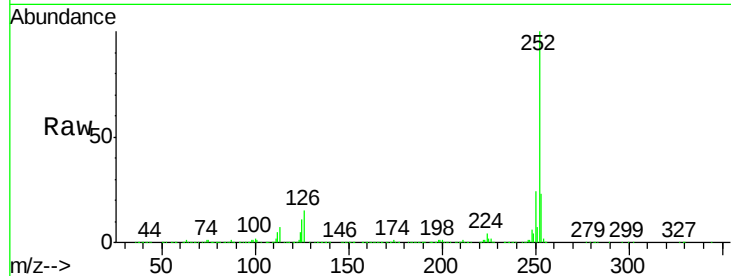
#89
Benzo(k)fluoranthene
Concen: 45.809 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	10.6	9.0	13.4

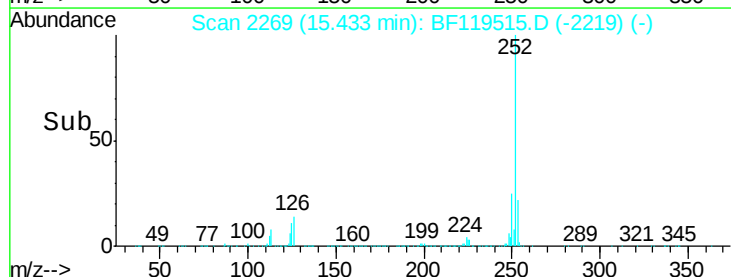
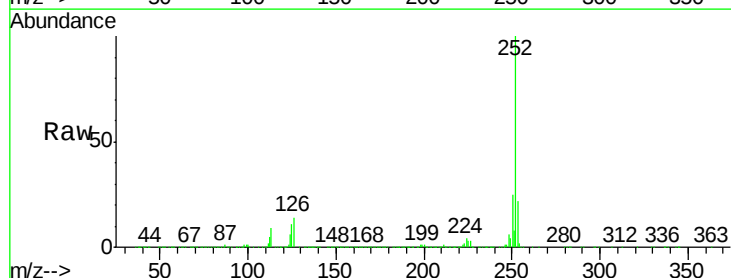
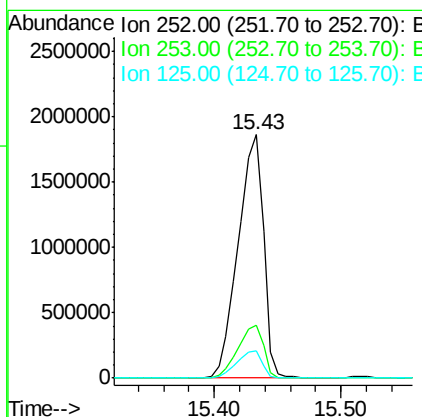
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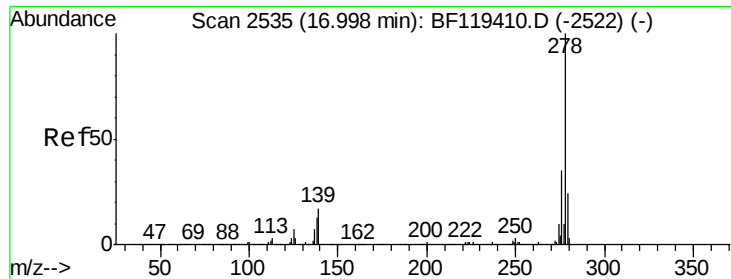
mohammad
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#90
Benzo(a)pyrene
Concen: 45.754 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.4
125	11.0	10.2	15.2





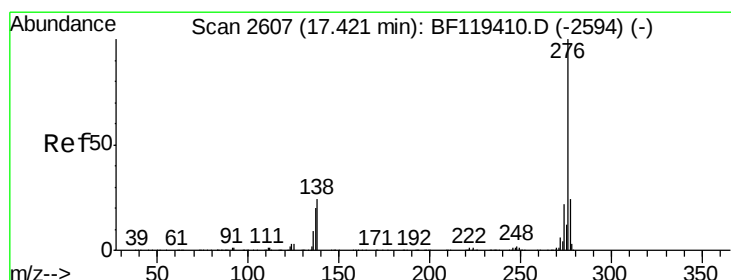
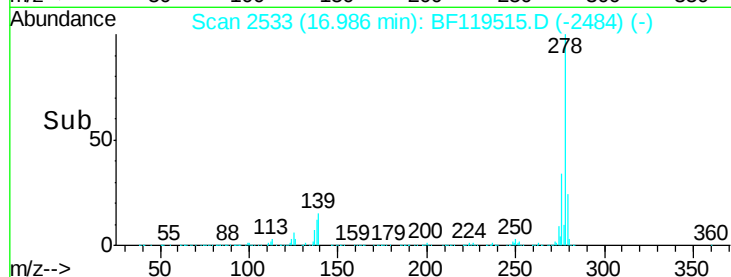
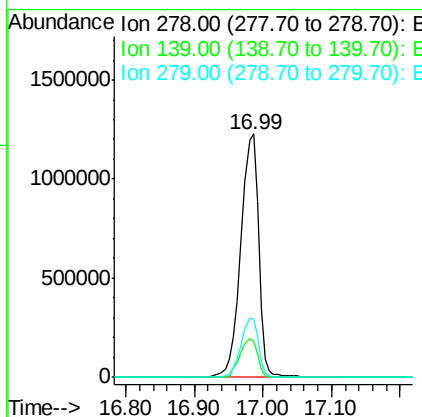
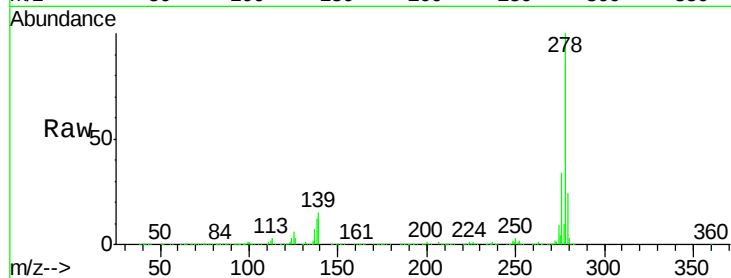
#91
Dibenzo(a,h)anthracene
Concen: 45.140 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Instrument :
BNA_F
ClientSampleId :
SB-30-(8-8.5)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.8	13.7	20.5
279	23.9	19.2	28.8

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3/27/2020 8:12:05 AM



#92
Benzo(g,h,i)perylene
Concen: 44.060 ng
RT: 17.41 min Scan# 2605
Delta R.T. -0.01 min
Lab File: BF119515.D
Acq: 25 Mar 2020 21:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	20.7	19.1	28.7

