

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
 Data File : BF114462.D
 Acq On : 21 May 2019 18:03
 Operator : JU/SJ
 Sample : K2641-12MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-03-051719MSD

Manual Integrations
 APPROVED

Sohil
 5/23/2019 8:15:47 AM

Quant Time: May 22 06:40:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	222471	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	872977	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	440291	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	846036	20.00	ng	0.00
76) Chrysene-d12	14.00	240	488755	20.00	ng	0.00
87) Perylene-d12	15.47	264	506131	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	1516699	109.71	ng	0.01
7) Phenol-d6	6.49	99	1891033	115.66	ng	0.00
23) Nitrobenzene-d5	7.40	82	1341112	86.21	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	569038	125.01	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	2368534	81.37	ng	0.00
79) Terphenyl-d14	12.94	244	2294360	96.77	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.77	88	220785	29.056	ng	# 82
3) Pyridine	3.49	79	398784	19.048	ng	99
4) n-Nitrosodimethylamine	3.41	42	329073	32.595	ng	99
6) Aniline	6.50	93	270961	11.472	ng	# 8
8) 2-Chlorophenol	6.63	128	618605	41.916	ng	97
9) Benzaldehyde	6.39	77	178898	15.629	ng	99
10) Phenol	6.50	94	676756	35.185	ng	94
11) bis(2-Chloroethyl)ether	6.57	93	617556	42.291	ng	100
12) 1,3-Dichlorobenzene	6.77	146	581557	35.105	ng	99
13) 1,4-Dichlorobenzene	6.85	146	588904	35.277	ng	97
14) 1,2-Dichlorobenzene	7.00	146	558980	36.651	ng	100
15) Benzyl Alcohol	6.98	79	524610	41.138	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.10	45	1117443	39.467	ng	56
17) 2-Methylphenol	7.10	107	490369	40.448	ng	# 90
18) Hexachloroethane	7.34	117	207918	33.181	ng	97
19) n-Nitroso-di-n-propylamine	7.25	70	448935	43.318	ng	98
20) 3+4-Methylphenols	7.25	107	628940	44.902	ng	# 73
22) Acetophenone	7.24	105	876328	45.313	ng	# 89
24) Nitrobenzene	7.42	77	685015	43.237	ng	97
25) Isophorone	7.66	82	1282891	44.469	ng	100
26) 2-Nitrophenol	7.73	139	340247	44.265	ng	99
27) 2,4-Dimethylphenol	7.77	122	578924	47.954	ng	99
28) bis(2-Chloroethoxy)methane	7.86	93	821011	43.861	ng	99
29) 2,4-Dichlorophenol	7.98	162	552738	45.980	ng	99
30) 1,2,4-Trichlorobenzene	8.06	180	546043	39.945	ng	99
31) Naphthalene	8.13	128	1768540	43.370	ng	99
32) Benzoic acid	7.93	122	333140	40.061	ng	99
33) 4-Chloroaniline	8.19	127	174885	9.411	ng	94
34) Hexachlorobutadiene	8.25	225	299979	38.568	ng	98
35) Caprolactam	8.57	113	170036m	43.378	ng	
36) 4-Chloro-3-methylphenol	8.69	107	598620	49.471	ng	98
37) 2-Methylnaphthalene	8.83	142	1249902	47.507	ng	98
38) 1-Methylnaphthalene	8.93	142	1182040	47.708	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	585400	43.892	ng	99

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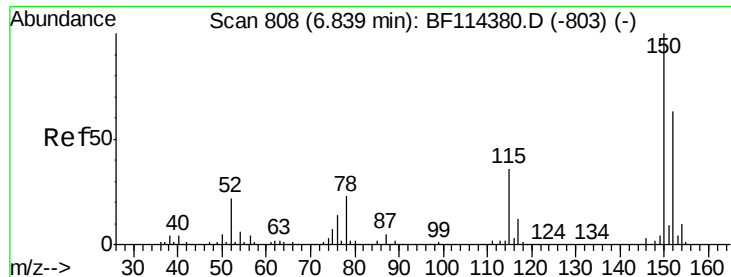
Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.98	237	115606	21.924	ng	99
43) 2,4,6-Trichlorophenol	9.12	196	390923	42.613	ng	99
44) 2,4,5-Trichlorophenol	9.16	196	414669	44.075	ng	96
46) 1,1'-Biphenyl	9.29	154	1555587	43.734	ng	99
47) 2-Chloronaphthalene	9.32	162	1185056	41.398	ng	97
48) 2-Nitroaniline	9.42	65	422543	41.621	ng	94
49) Acenaphthylene	9.73	152	1883367	43.258	ng	99
50) Dimethylphthalate	9.59	163	1462178	45.239	ng	100
51) 2,6-Dinitrotoluene	9.66	165	325098	45.348	ng	88
52) Acenaphthene	9.90	154	1125439	42.124	ng	98
53) 3-Nitroaniline	9.83	138	191805	21.553	ng	96
54) 2,4-Dinitrophenol	9.95	184	161367	47.736	ng	96
55) Dibenzofuran	10.08	168	1619105	41.328	ng	97
56) 4-Nitrophenol	10.02	139	394411	62.671	ng	98
57) 2,4-Dinitrotoluene	10.07	165	400421	41.152	ng	# 84
58) Fluorene	10.42	166	1331088	43.988	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.20	232	357571	44.048	ng	99
60) Diethylphthalate	10.29	149	1495449	45.537	ng	99
61) 4-Chlorophenyl-phenylether	10.41	204	654599	44.044	ng	99
62) 4-Nitroaniline	10.45	138	338901	36.241	ng	98
63) Azobenzene	10.57	77	1396561	43.933	ng	100
65) 4,6-Dinitro-2-methylphenol	10.49	198	116769	28.723	ng	81
66) n-Nitrosodiphenylamine	10.53	169	1235747	48.126	ng	99
67) 4-Bromophenyl-phenylether	10.90	248	424118	45.530	ng	97
68) Hexachlorobenzene	10.97	284	438324	42.534	ng	98
69) Atrazine	11.06	200	358254	44.834	ng	98
70) Pentachlorophenol	11.17	266	405538	83.016	ng	99
71) Phenanthrene	11.39	178	1838593	44.669	ng	99
72) Anthracene	11.44	178	1888787	45.686	ng	99
73) Carbazole	11.59	167	1797925	45.605	ng	99
74) Di-n-butylphthalate	11.91	149	2365391	52.079	ng	99
75) Fluoranthene	12.57	202	1801377	40.640	ng	99
77) Benzidine	12.69	184	65750	2.997	ng	# 94
78) Pyrene	12.80	202	1787332	45.458	ng	99
80) Butylbenzylphthalate	13.40	149	915134	55.297	ng	95
81) Benzo(a)anthracene	13.99	228	1426858	45.136	ng	99
82) 3,3'-Dichlorobenzidine	13.94	252	432955	35.305	ng	# 99
83) Chrysene	14.03	228	1400297	45.187	ng	99
84) Bis(2-ethylhexyl)phthalate	13.96	149	1253777	57.926	ng	98
85) Di-n-octyl phthalate	14.57	149	1999769	56.995	ng	100
86) Indeno(1,2,3-cd)pyrene	16.96	276	1139569	41.609	ng	100
88) Benzo(b)fluoranthene	15.04	252	1446502	44.610	ng	100
89) Benzo(k)fluoranthene	15.07	252	1394763	46.826	ng	99
90) Benzo(a)pyrene	15.41	252	1337439	46.866	ng	100
91) Dibenzo(a,h)anthracene	16.96	278	981943	41.409	ng	99
92) Benzo(g,h,i)perylene	17.39	276	926844	39.002	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.01 min

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BNA_F

ClientSampleId :

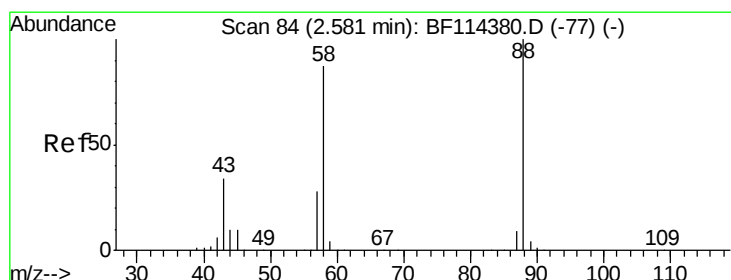
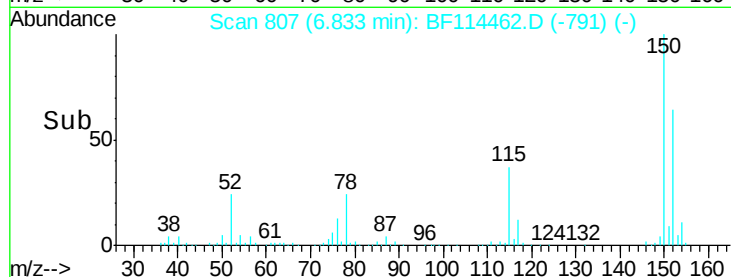
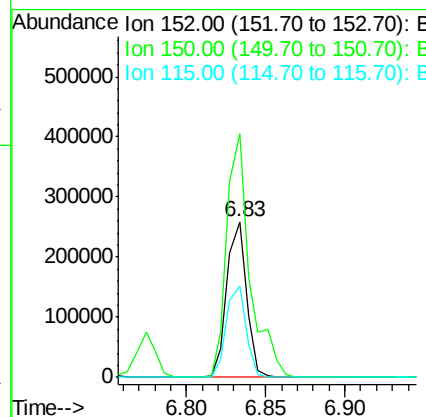
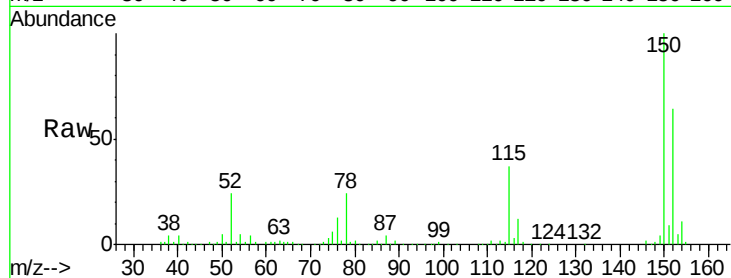
CL-03-051719MSD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.3	186.5
115	58.4	49.1	73.7

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#2

1,4-Dioxane

Concen: 29.056 ng

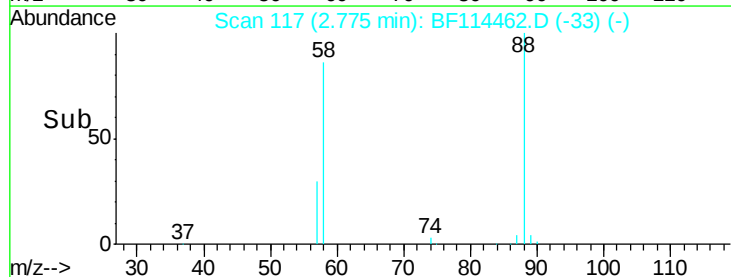
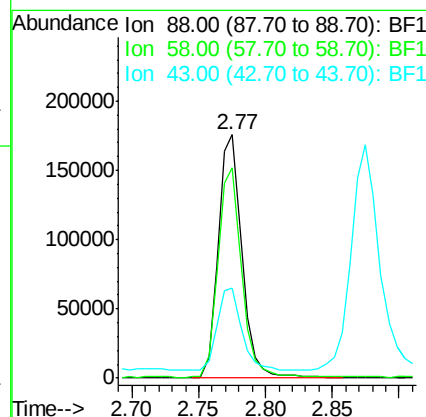
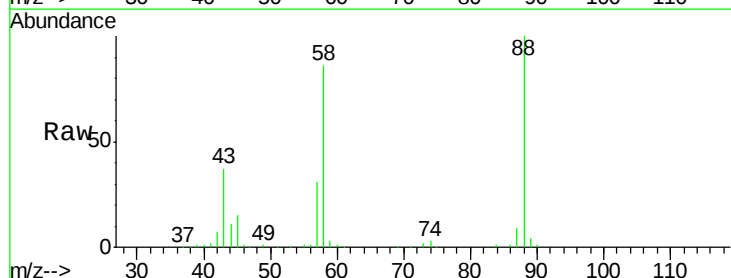
RT: 2.77 min Scan# 117

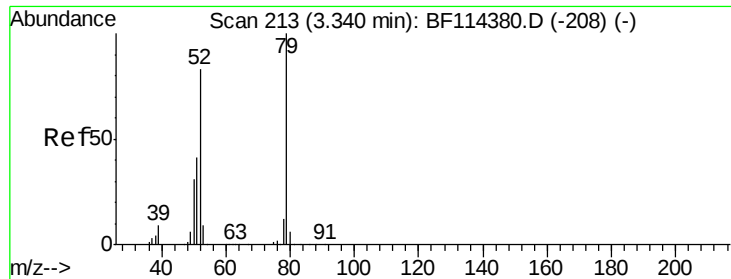
Delta R.T. 0.19 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.4	68.7	103.1
43	0.0	28.2	42.2#





#3

Pyridine

Concen: 19.048 ng

RT: 3.49 min Scan# 238

Delta R.T. 0.15 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Instrument :

BNA_F

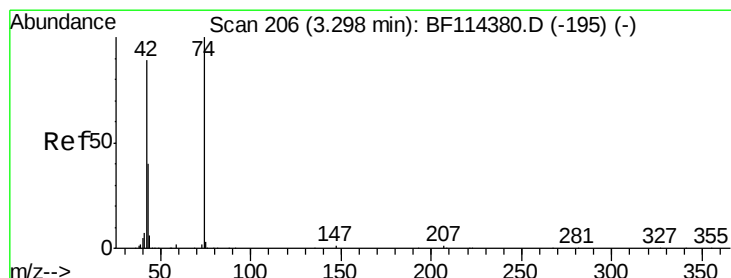
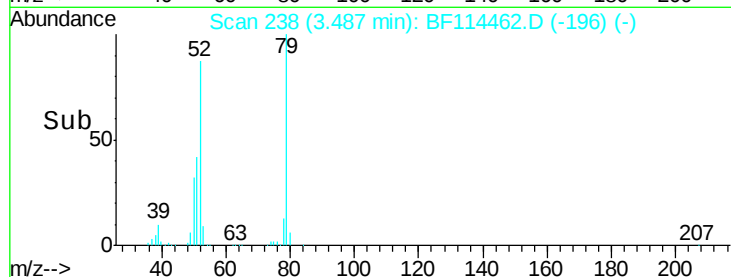
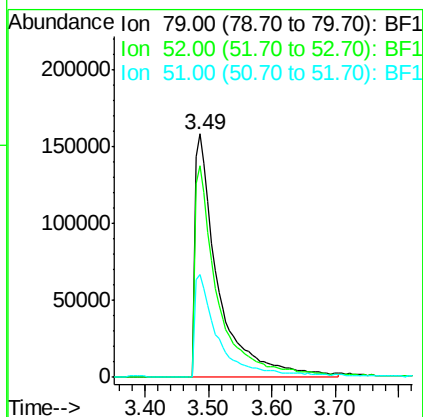
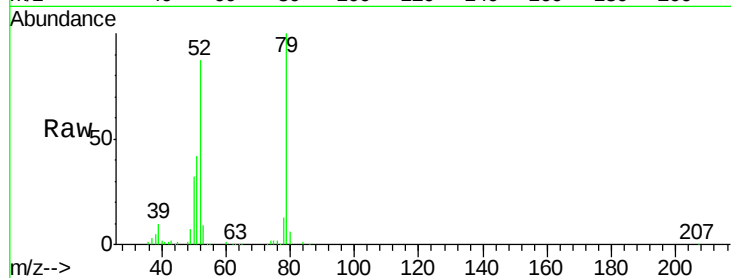
ClientSampleId :

CL-03-051719MSD

Tgt Ion:	79	Resp:	398784
Ion Ratio	Lower	Upper	
79	100		
52	86.9	70.6	105.8
51	42.3	34.2	51.2

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#4

n-Nitrosodimethylamine

Concen: 32.595 ng

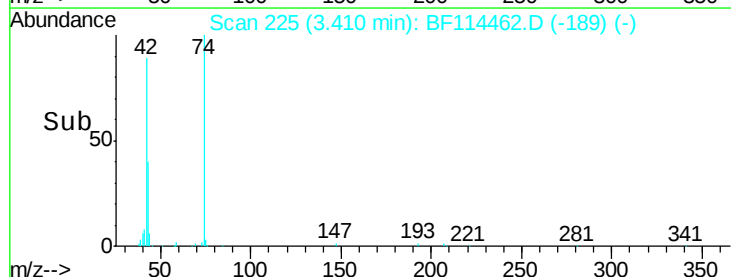
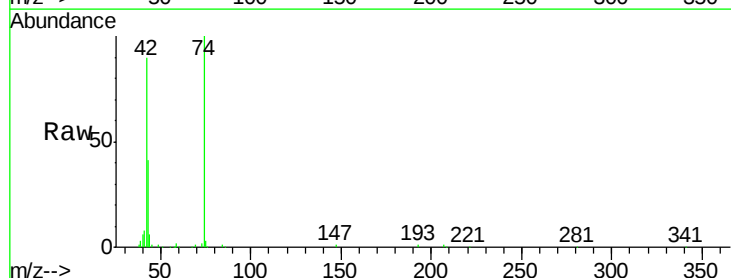
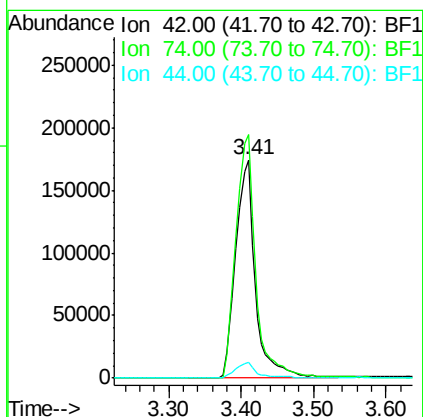
RT: 3.41 min Scan# 225

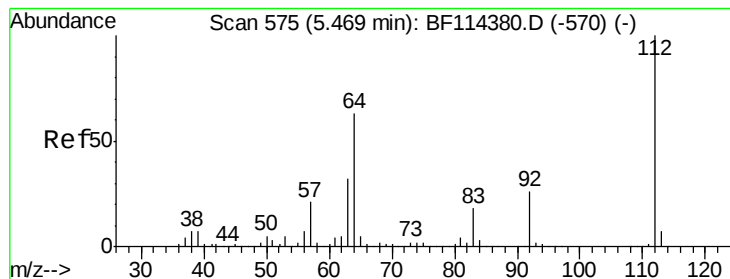
Delta R.T. 0.11 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Tgt Ion:	42	Resp:	329073
Ion Ratio	Lower	Upper	
42	100		
74	111.6	88.6	132.8
44	6.9	5.5	8.3





#5

2-Fluorophenol

Concen: 109.712 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.01 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Instrument :

BNA_F

ClientSampleId :

CL-03-051719MSD

Tgt Ion: 112 Resp: 1516699

Ion Ratio Lower Upper

112 100

64 67.0 49.0 73.6

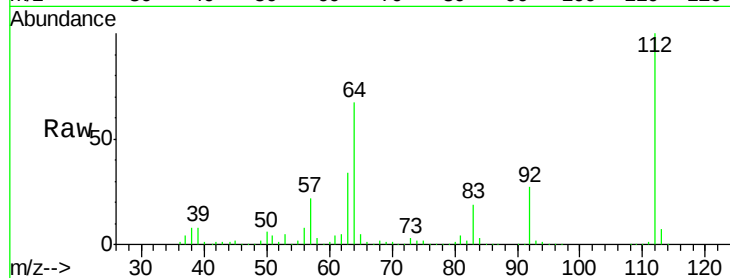
63 34.4 24.6 37.0

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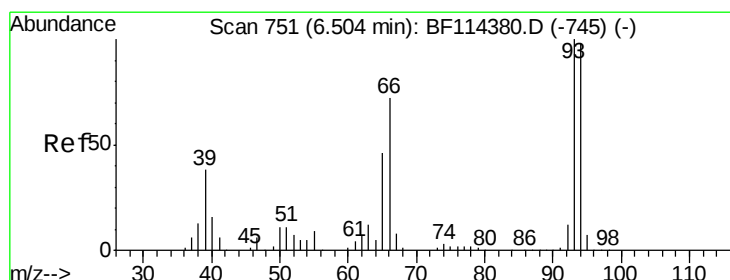
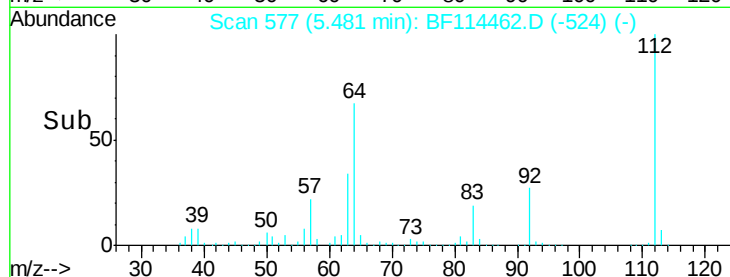
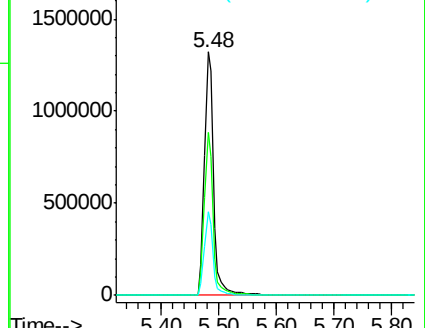
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 11.472 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

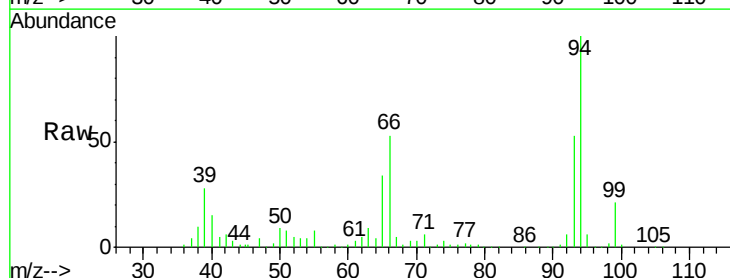
Tgt Ion: 93 Resp: 270961

Ion Ratio Lower Upper

93 100

66 99.5 33.2 49.8#

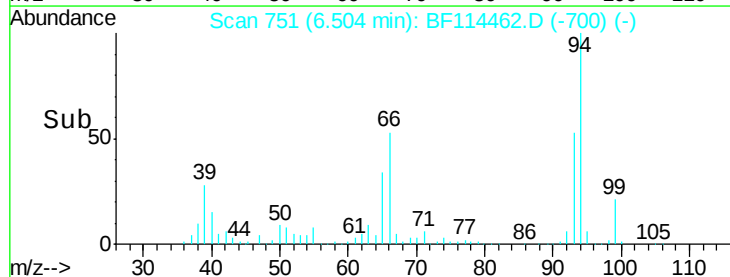
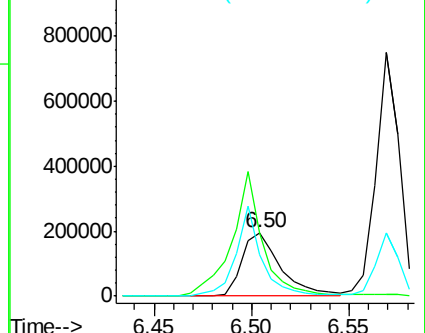
65 65.0 17.6 26.4#

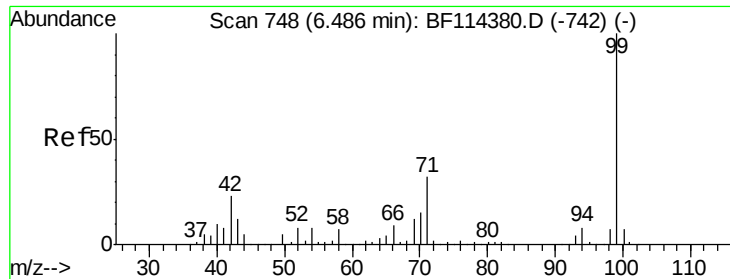


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 115.655 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 99 Resp: 1891033

Ion Ratio Lower Upper

99 100

42 22.4 17.9 26.9

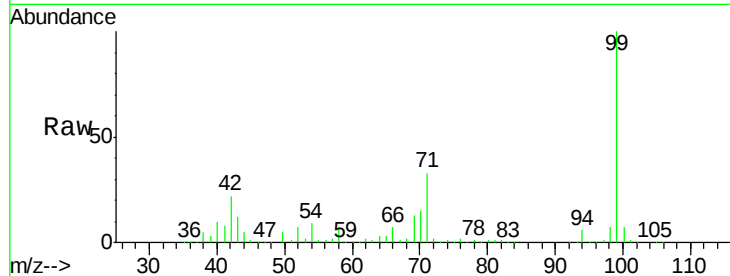
71 33.4 26.2 39.2

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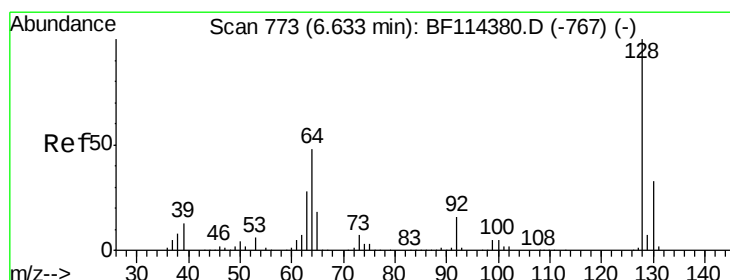
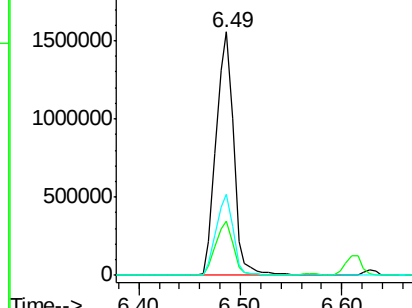
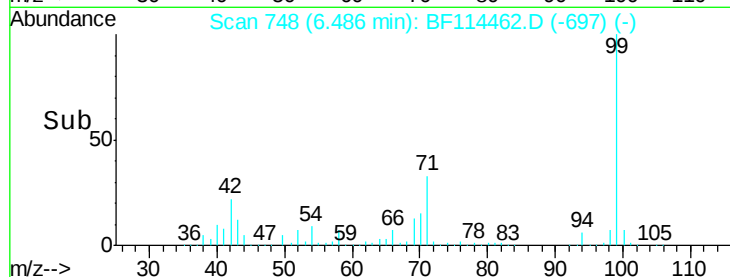
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 41.916 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

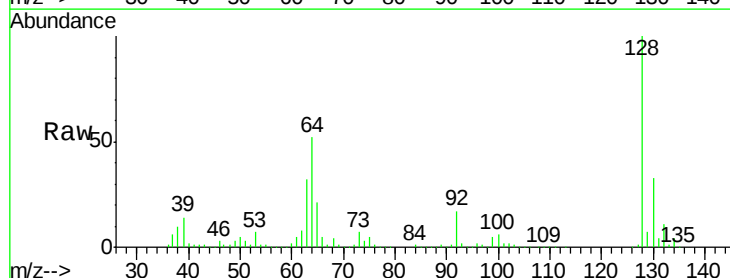
Tgt Ion: 128 Resp: 618605

Ion Ratio Lower Upper

128 100

130 32.6 12.6 52.6

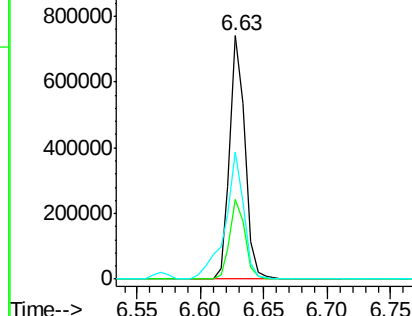
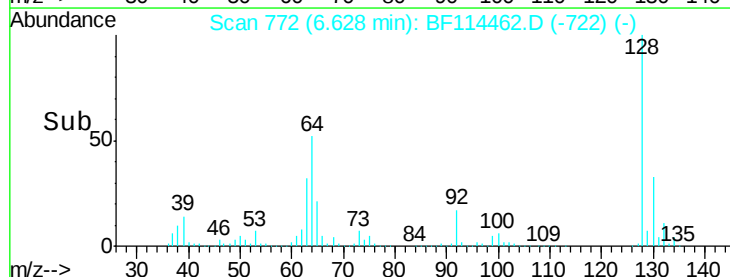
64 52.3 35.9 75.9

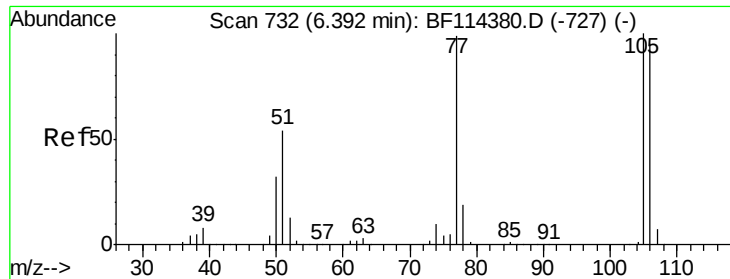


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 15.629 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Instrument :

BNA_F

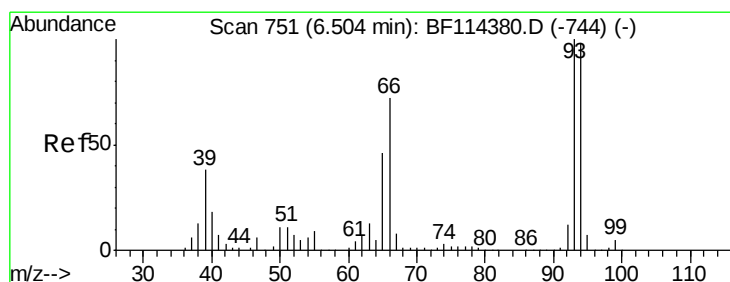
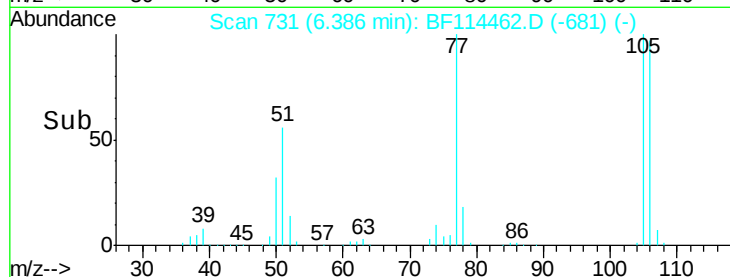
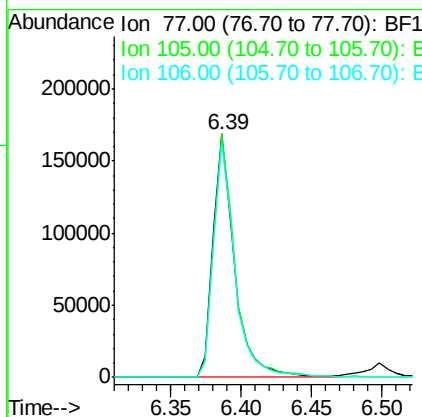
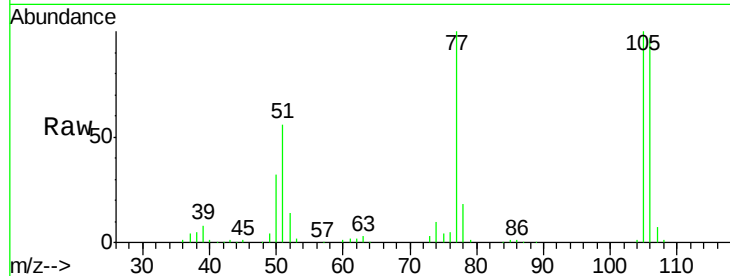
ClientSampleId :

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Tgt Ion:	77	Resp:	178898
Ion	Ratio	Lower	Upper
77	100		
105	100.1	79.3	119.3
106	96.6	77.0	117.0

Manual Integrations
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#10

Phenol

Concen: 35.185 ng

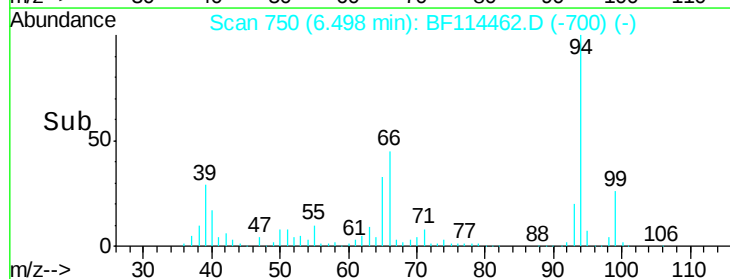
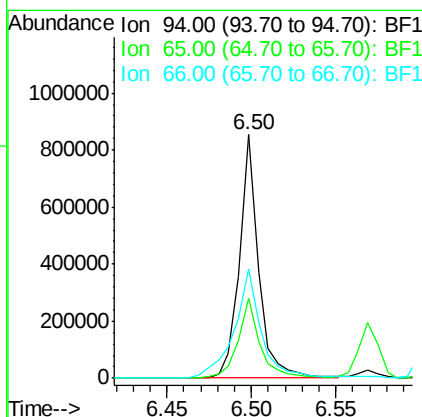
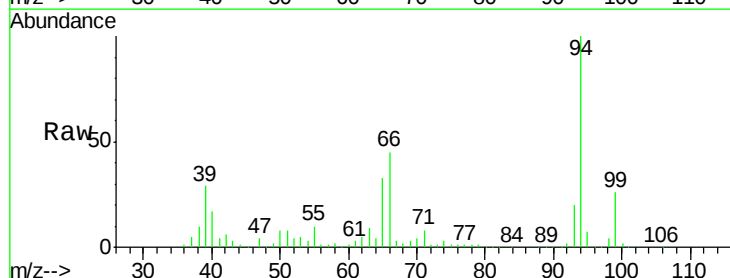
RT: 6.50 min Scan# 750

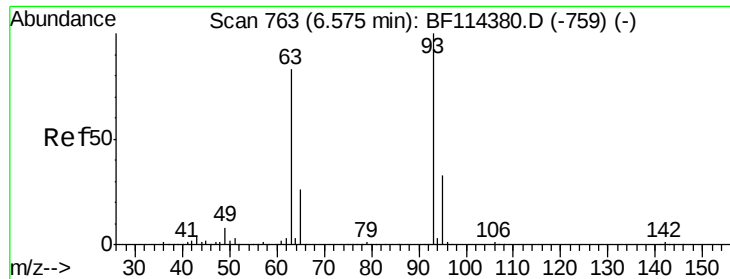
Delta R.T. -0.01 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Tgt Ion:	94	Resp:	676756
Ion	Ratio	Lower	Upper
94	100		
65	32.5	14.7	54.7
66	44.7	29.6	69.6





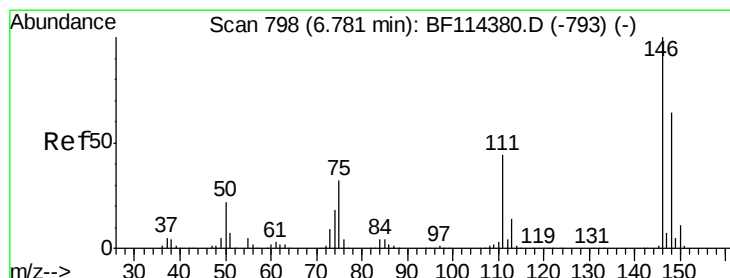
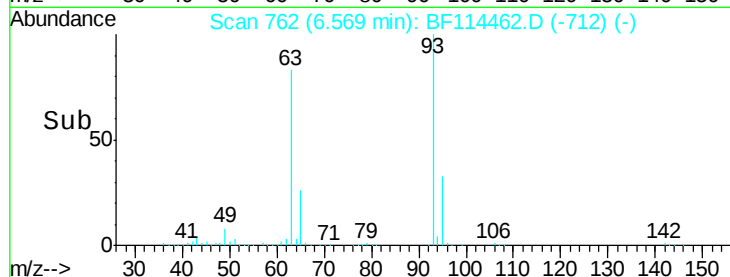
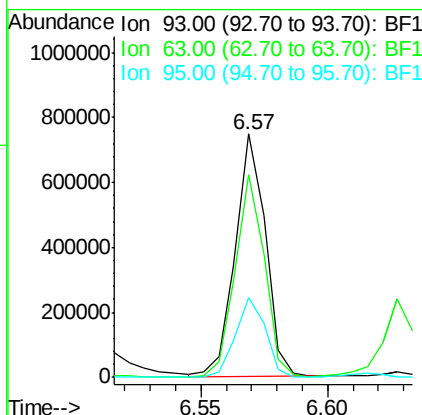
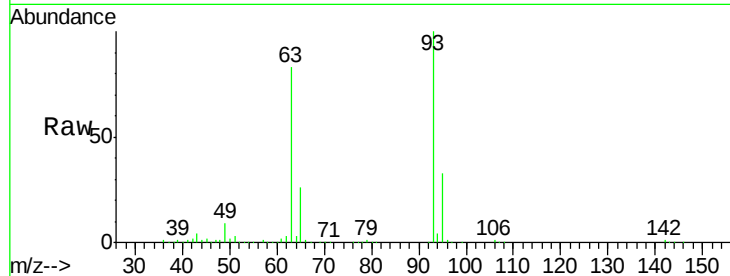
#11
bis(2-Chloroethyl)ether
Concen: 42.291 ng
RT: 6.57 min Scan# 762
Delta R.T. -0.01 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Instrument :
BNA_F
ClientSampleId :
CL-03-051719MSD

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	617556		
63	83.3	63.6	103.6	
95	32.6	13.1	53.1	

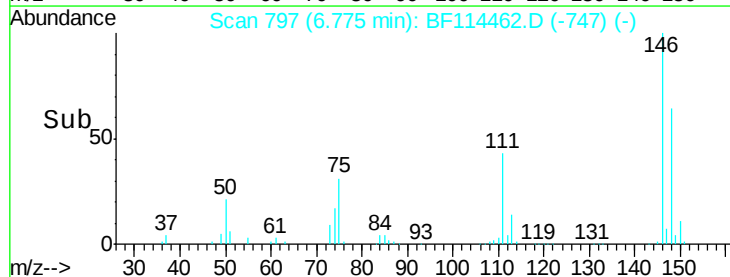
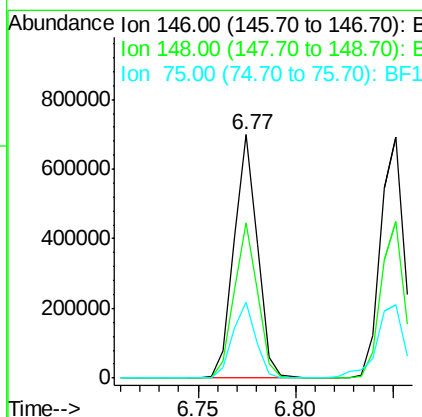
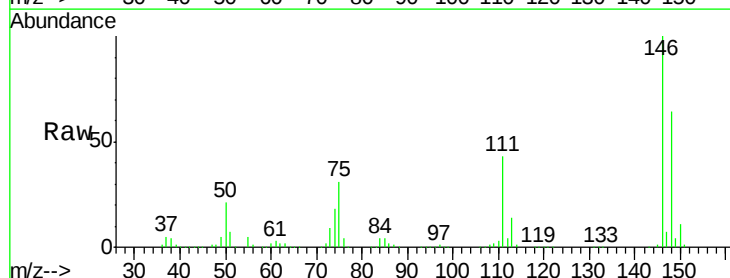
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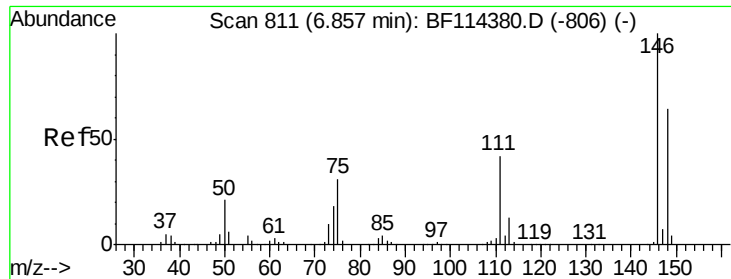
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#12
1,3-Dichlorobenzene
Concen: 35.105 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	581557		
148	63.9	51.6	77.4	
75	31.2	24.2	36.2	





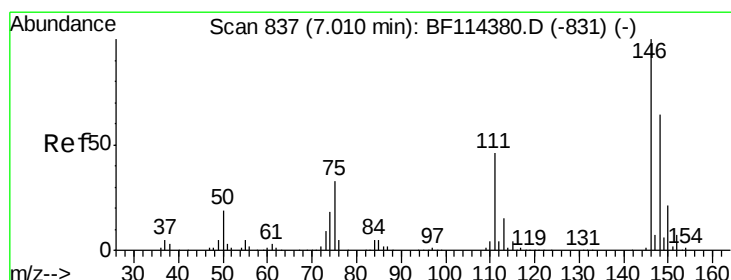
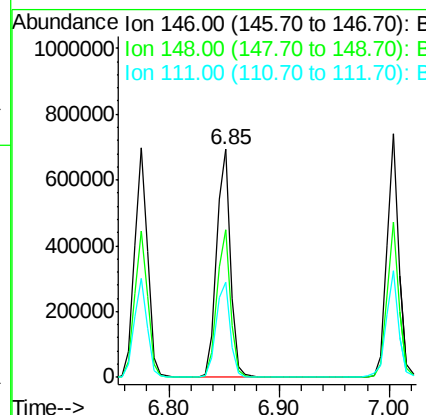
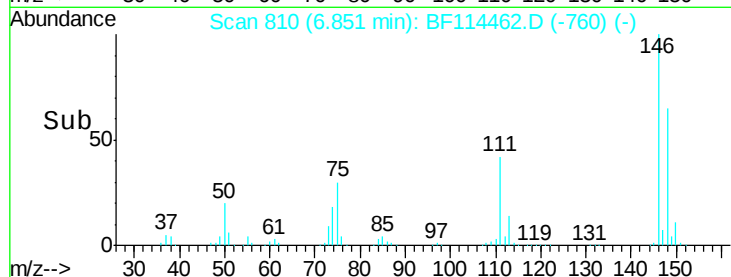
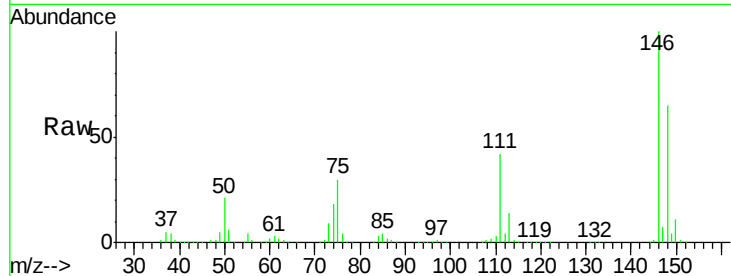
#13
 1,4-Dichlorobenzene
 Concen: 35.277 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 CL-03-051719MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.2	75.2
111	41.6	35.8	53.6

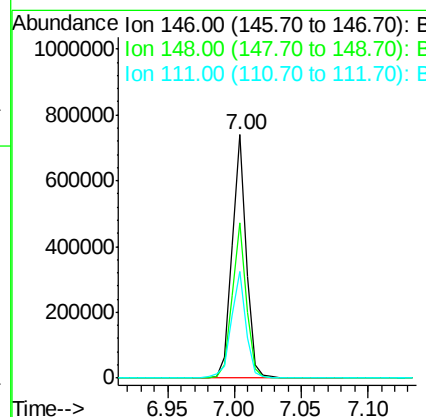
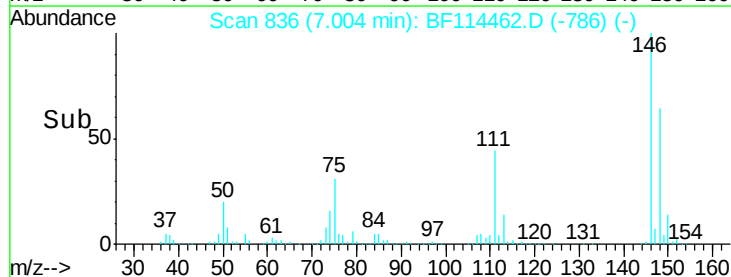
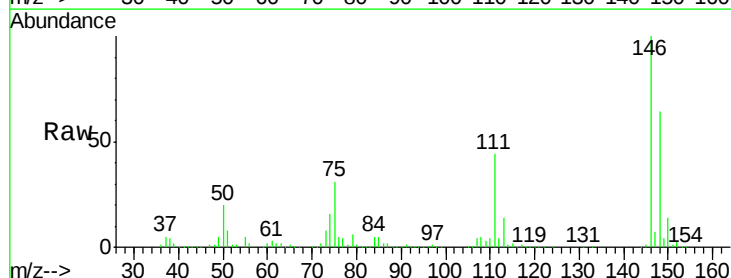
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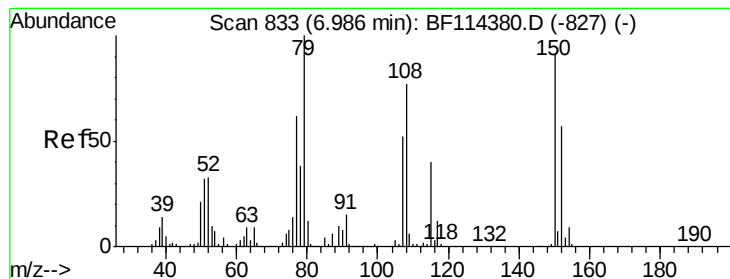
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#14
 1,2-Dichlorobenzene
 Concen: 36.651 ng
 RT: 7.00 min Scan# 836
 Delta R.T. -0.01 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.1	76.7
111	43.7	35.3	52.9





#15

Benzyl Alcohol

Concen: 41.138 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Instrument :

BNA_F

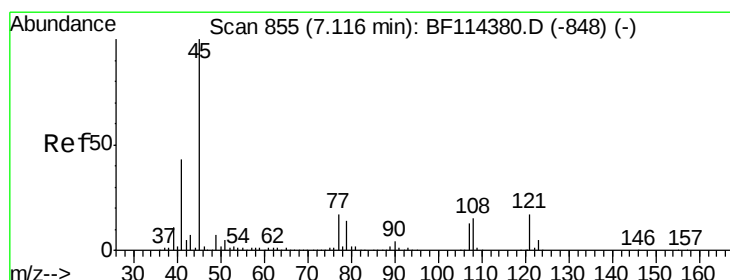
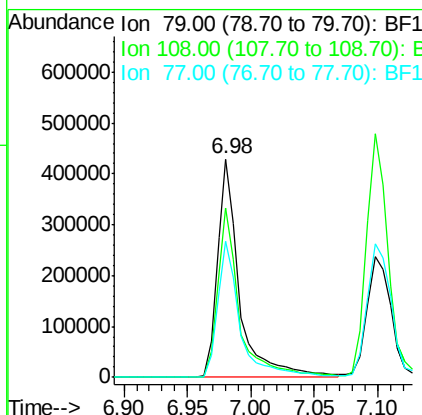
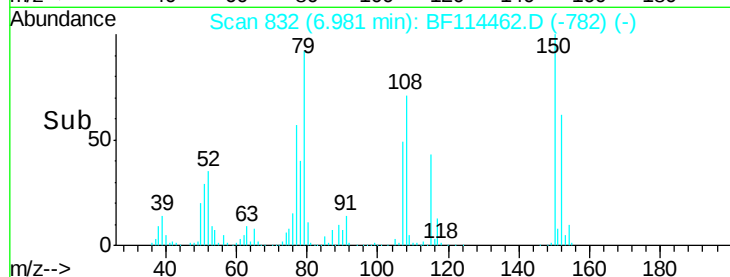
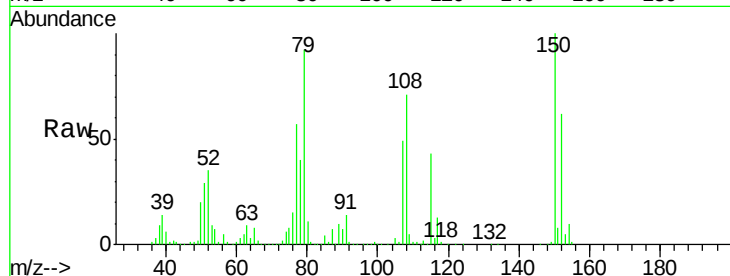
ClientSampleId :

CL-03-051719MSD

Tgt Ion:	79	Resp:	524610
Ion Ratio	Lower	Upper	
79	100		
108	77.7	62.1	93.1
77	62.4	51.0	76.6

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#16

2,2'-oxybis(1-chloropropane)

Concen: 39.467 ng

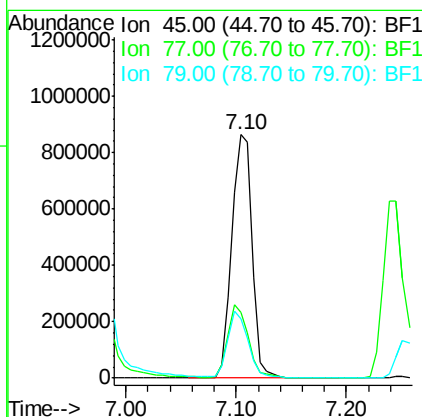
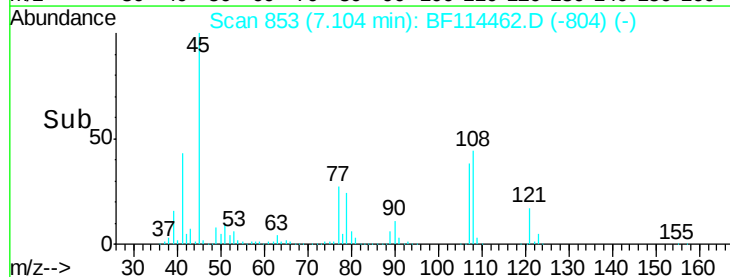
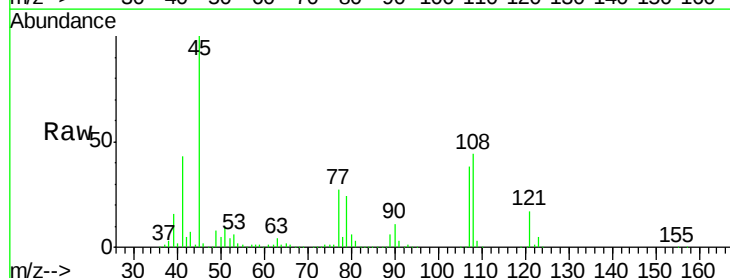
RT: 7.10 min Scan# 853

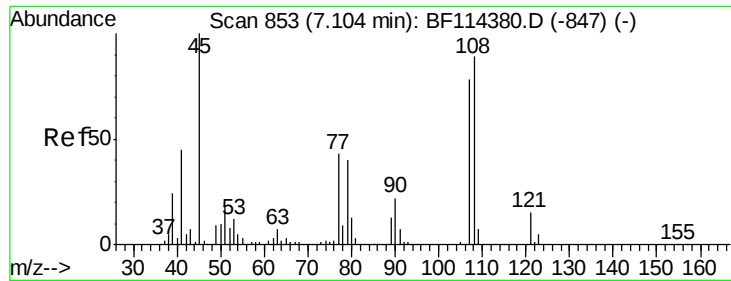
Delta R.T. -0.01 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Tgt Ion:	45	Resp:	1117443
Ion Ratio	Lower	Upper	
45	100		
77	27.2	0.0	31.1
79	24.4	0.0	28.4





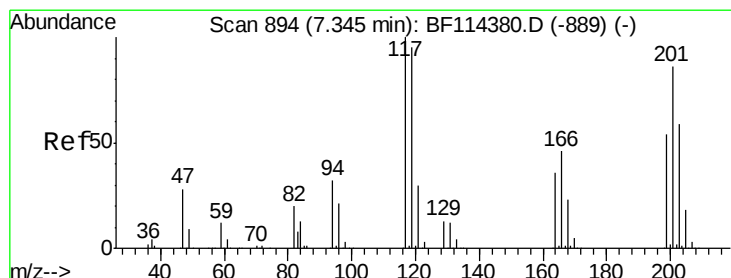
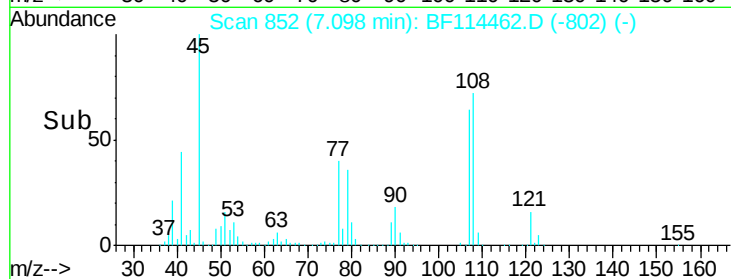
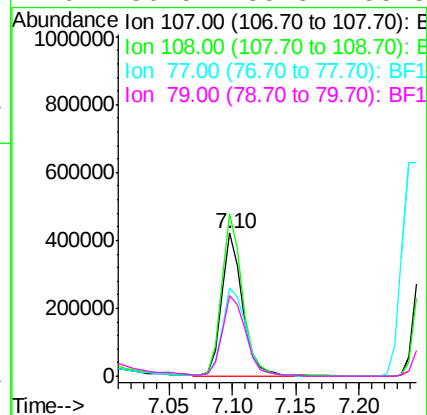
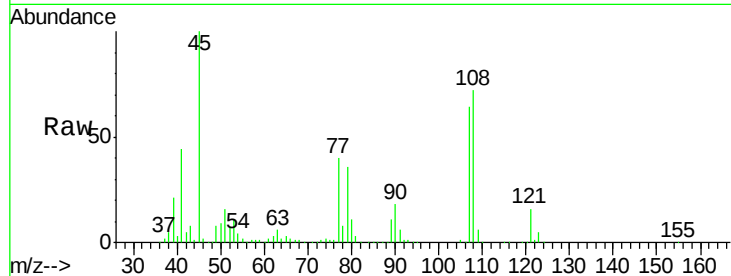
#17
2-Methylphenol
Concen: 40.448 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Instrument :
BNA_F
ClientSampleId :
CL-03-051719MSD

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	490369		
108	113.5	90.5	135.7	
77	62.1	37.0	55.4	
79	56.5	35.8	53.8	

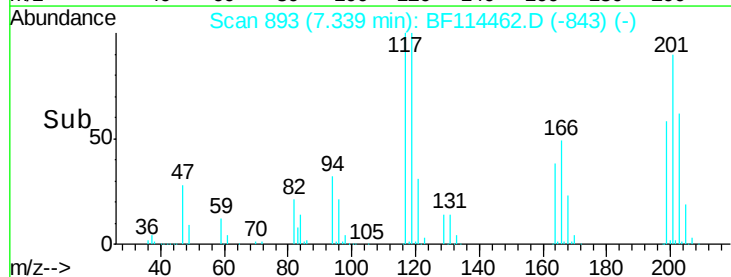
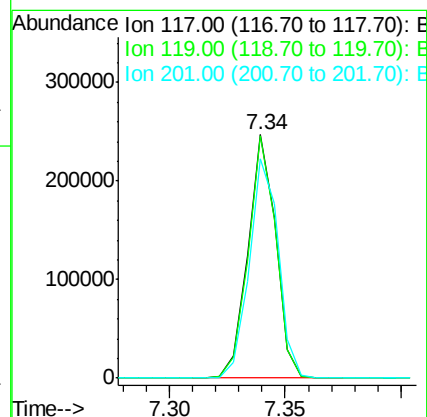
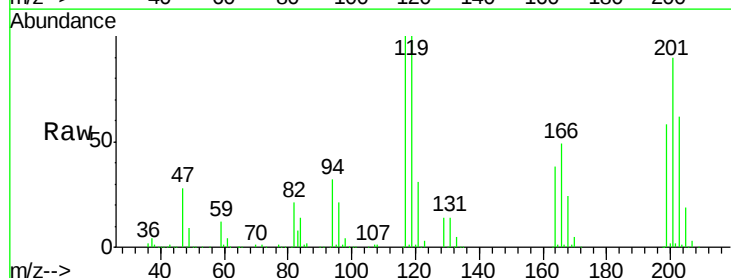
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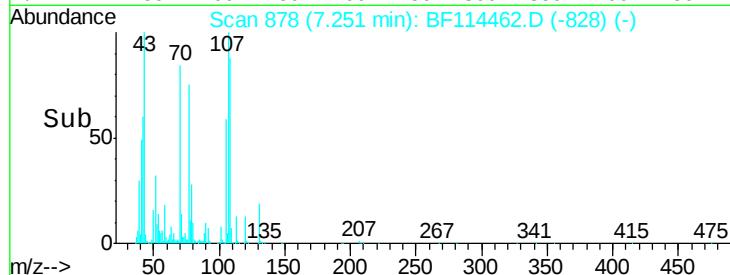
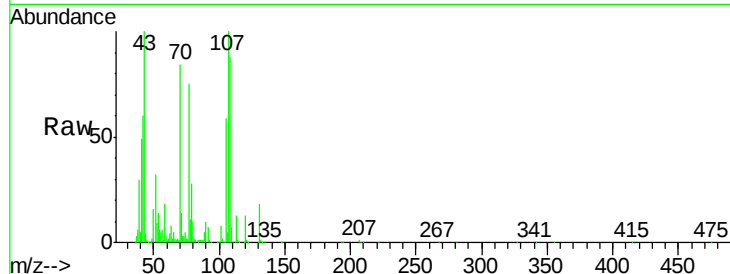
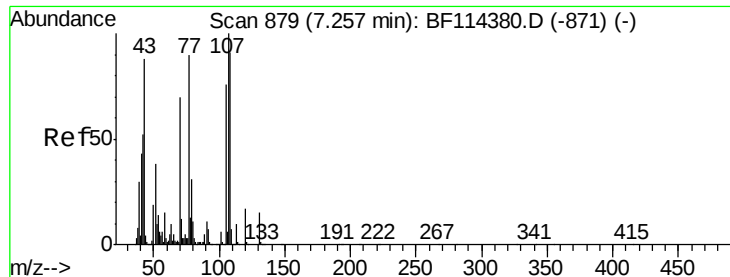
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#18
Hexachloroethane
Concen: 33.181 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	207918		
119	99.7	77.4	116.2	
201	90.2	74.5	111.7	





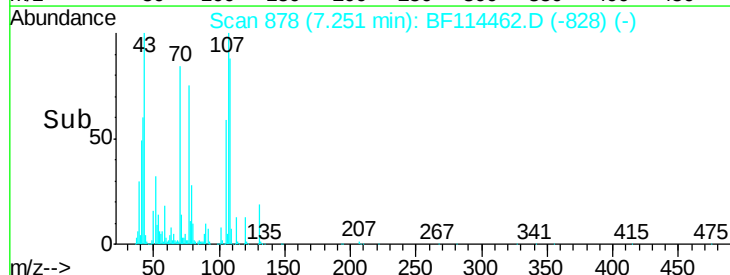
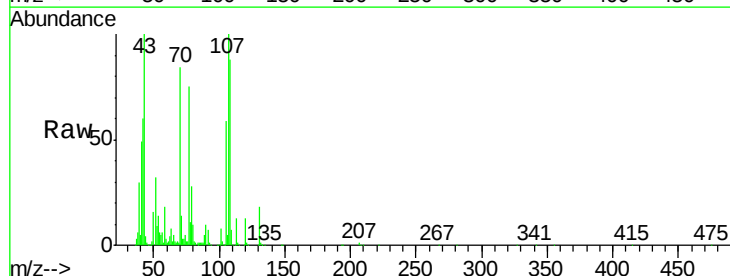
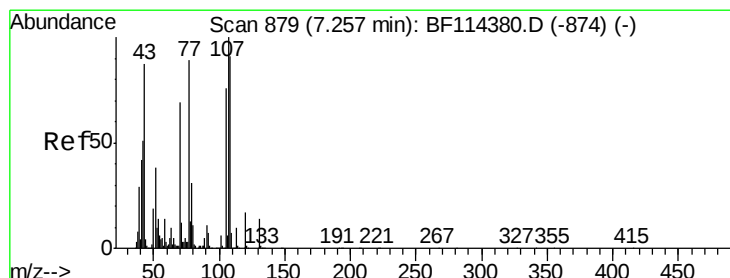
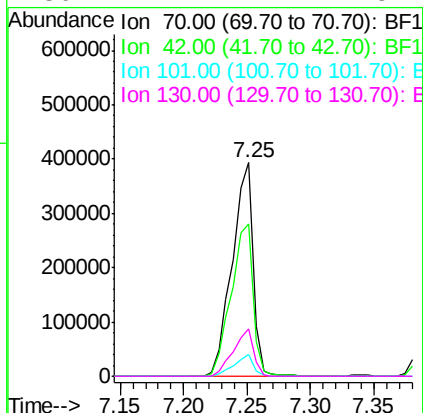
#19
n-Nitroso-di-n-propylamine
Concen: 43.318 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Instrument :
BNA_F
ClientSampleId :
CL-03-051719MSD

Manual Integrations
APPROVED

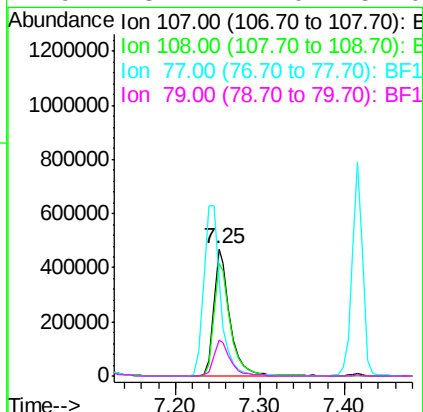
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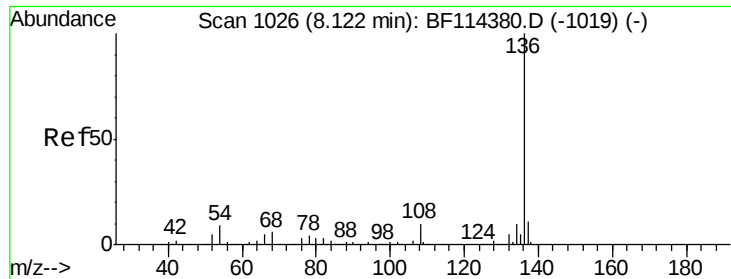
Tgt Ion	Ratio	Lower	Upper
70	100		
42	71.3	58.6	87.8
101	9.9	7.8	11.8
130	22.1	17.1	25.7



#20
3+4-Methylphenols
Concen: 44.902 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.2	73.8	113.8
77	75.5	111.5	151.5#
79	28.2	12.0	52.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Instrument :

BNA_F

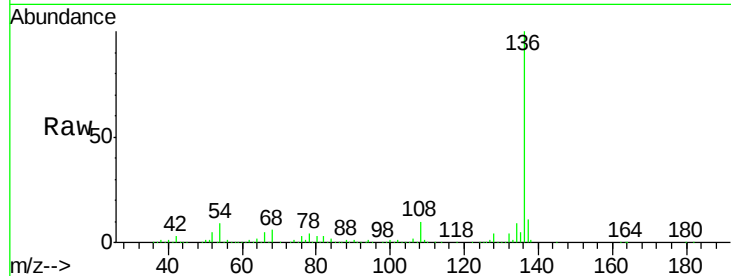
ClientSampleId :

CL-03-051719MSD

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	872977		
137	11.1	8.8	13.2	
54	9.0	7.8	11.8	
68	5.8	5.1	7.7	

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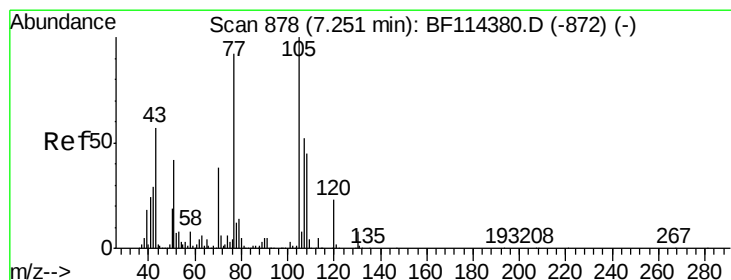
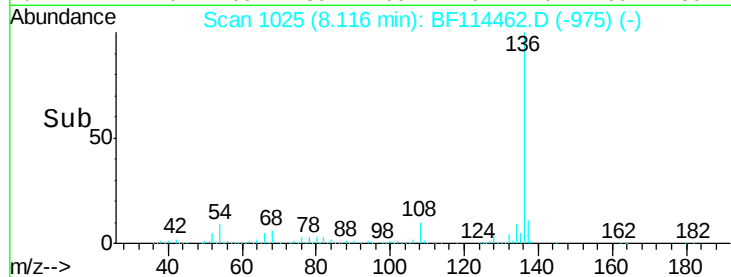
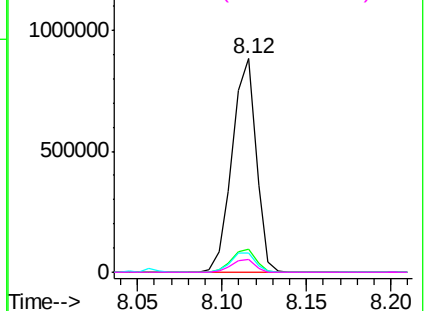


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 45.313 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

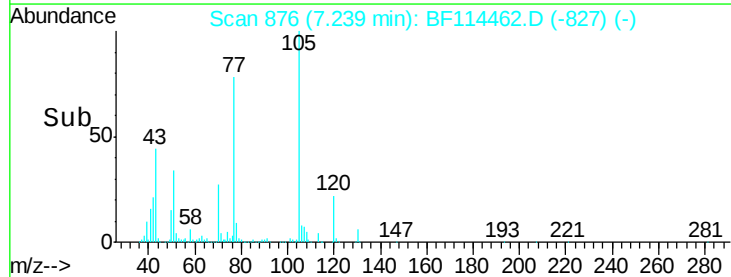
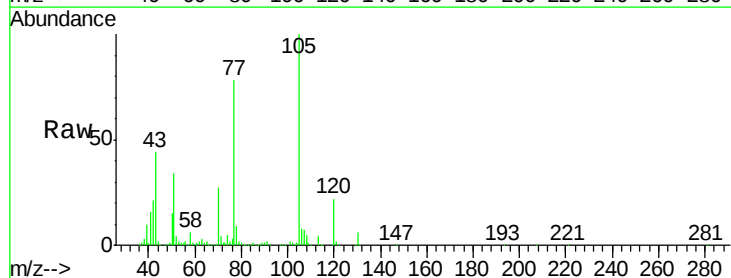
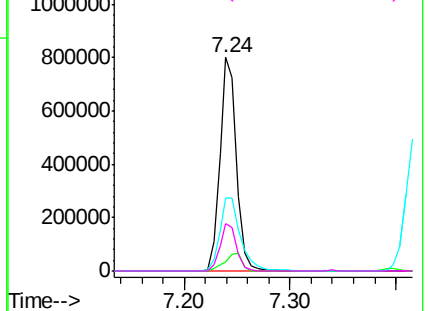
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	876328		
71	4.3	5.3	7.9#	
51	34.3	36.2	54.4#	
120	22.0	18.6	28.0	

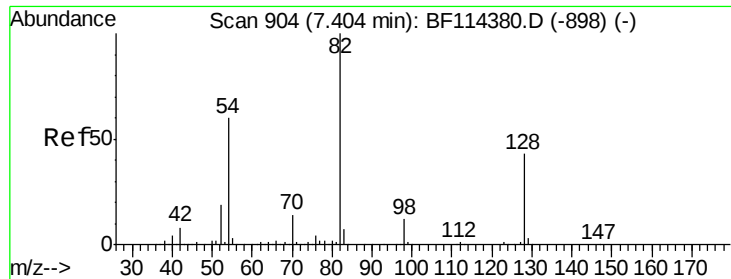
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





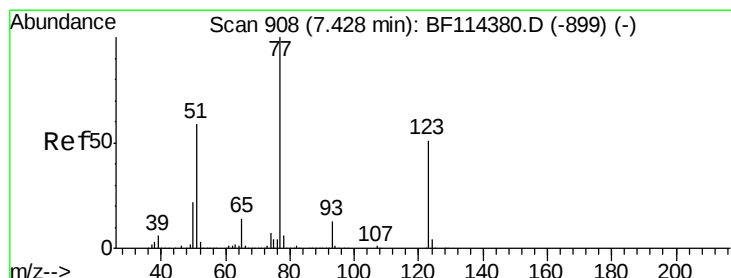
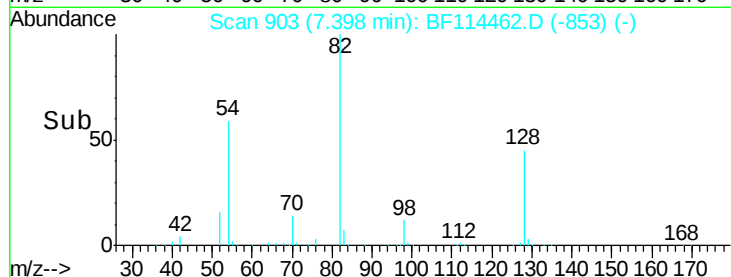
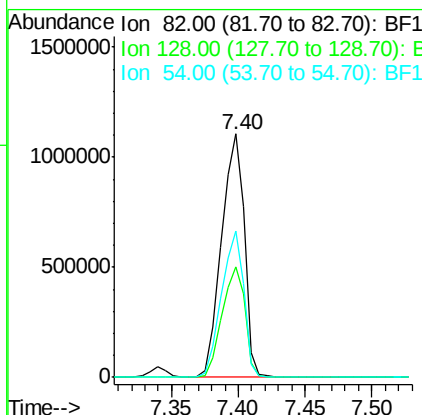
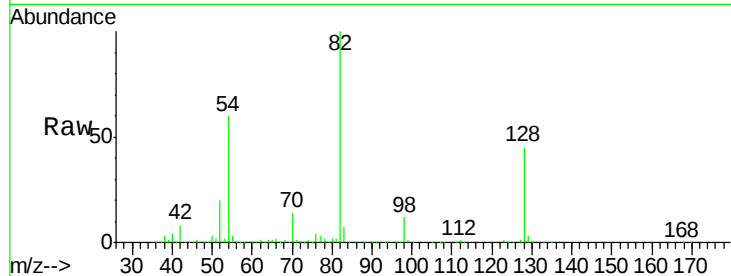
#23
 Nitrobenzene-d5
 Concen: 86.215 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 CL-03-051719MSD

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.5	53.3
54	60.1	48.5	72.7

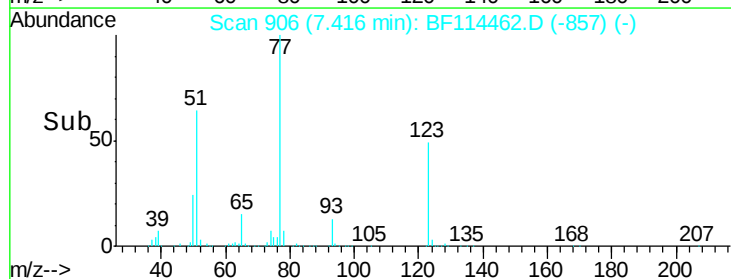
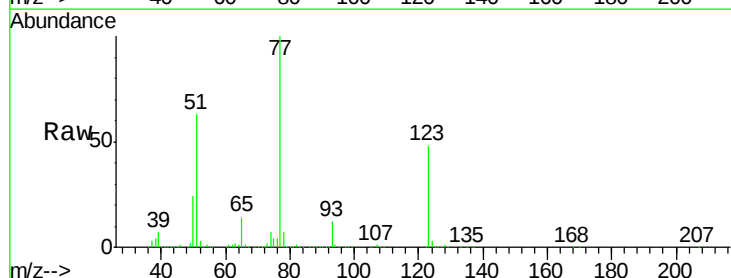
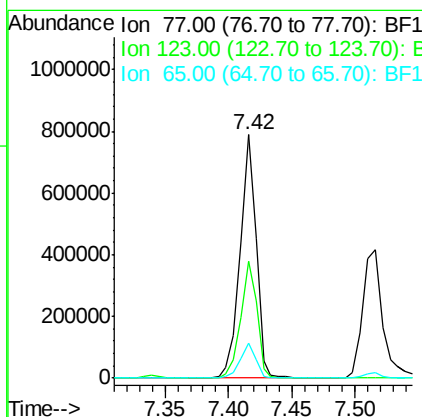
Manual Integrations
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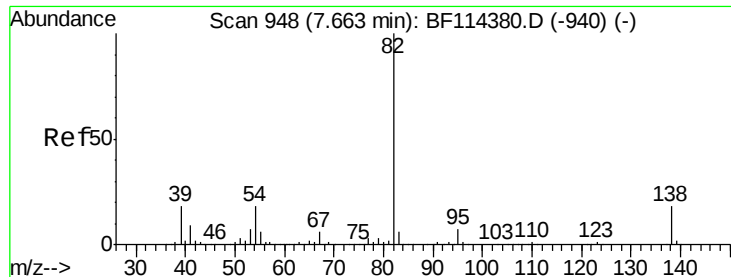
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#24
 Nitrobenzene
 Concen: 43.237 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.2	36.9	55.3
65	14.5	11.8	17.6





#25

Isophorone

Concen: 44.469 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Instrument :

BNA_F

ClientSampleId :

CL-03-051719MSD

Tgt Ion: 82 Resp: 1282891

Ion Ratio Lower Upper

82 100

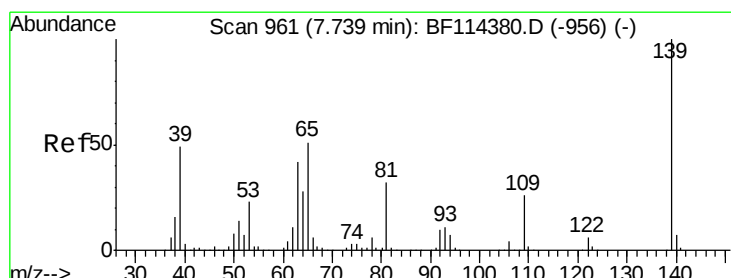
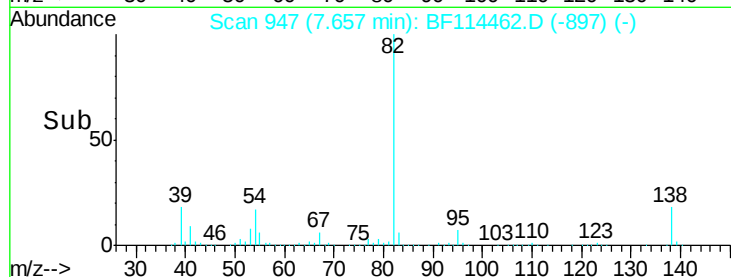
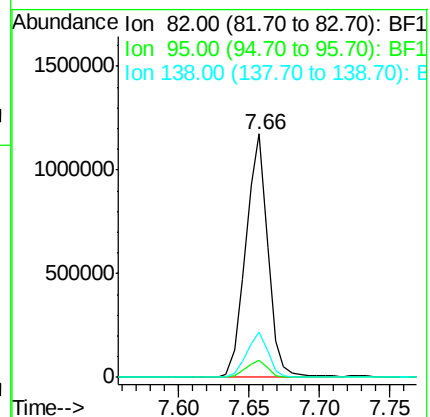
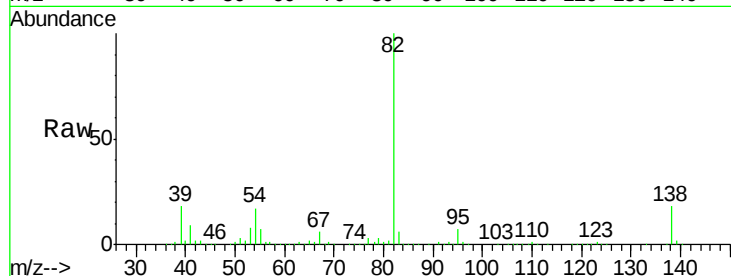
95 7.1 5.6 8.4

138 18.4 14.8 22.2

Manual Integrations
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#26

2-Nitrophenol

Concen: 44.265 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

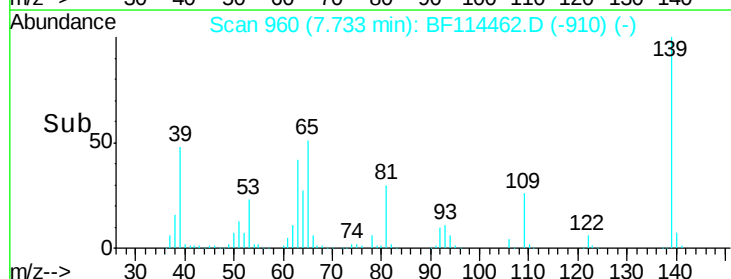
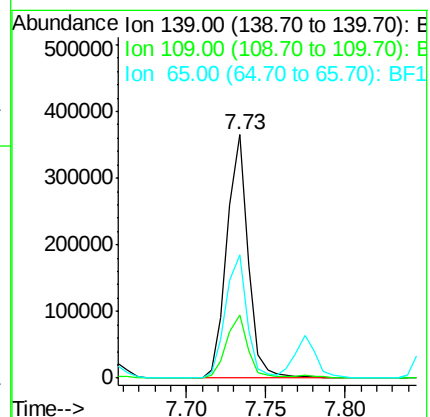
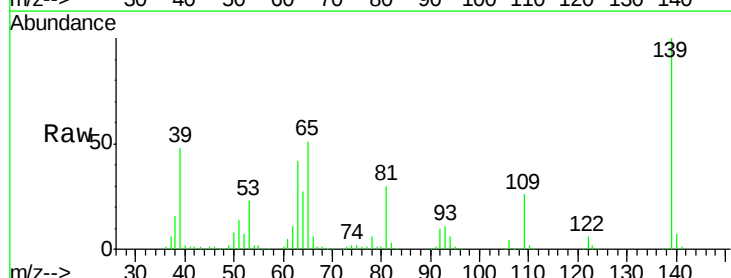
Tgt Ion: 139 Resp: 340247

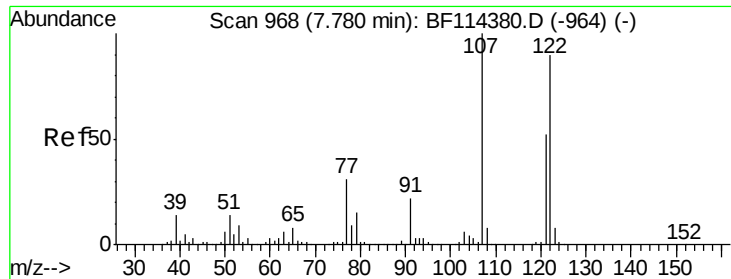
Ion Ratio Lower Upper

139 100

109 25.9 20.7 31.1

65 50.9 40.2 60.2





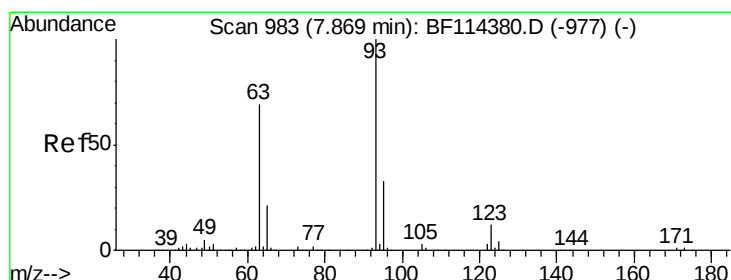
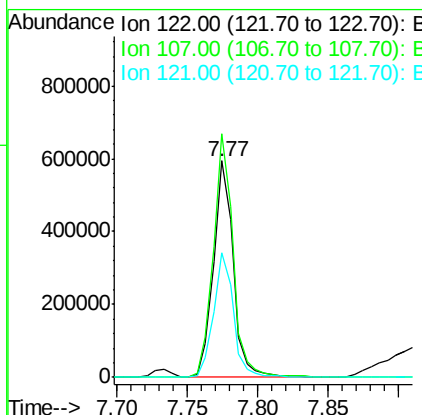
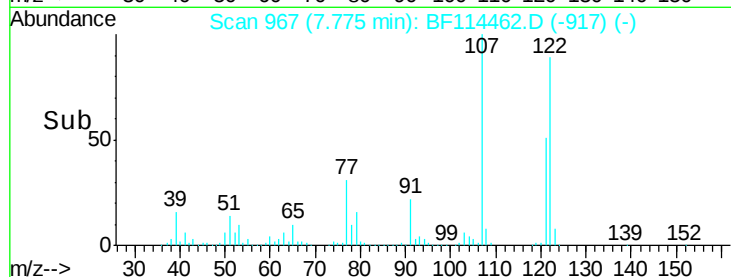
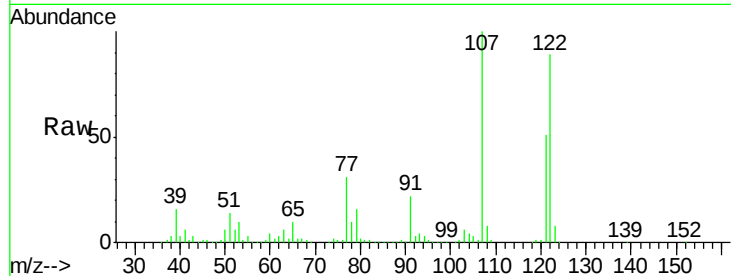
#27
2,4-Dimethylphenol
Concen: 47.954 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Instrument :
BNA_F
ClientSampleId :
CL-03-051719MSD

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	578924		
107	112.5	88.4	132.6	
121	57.6	45.9	68.9	

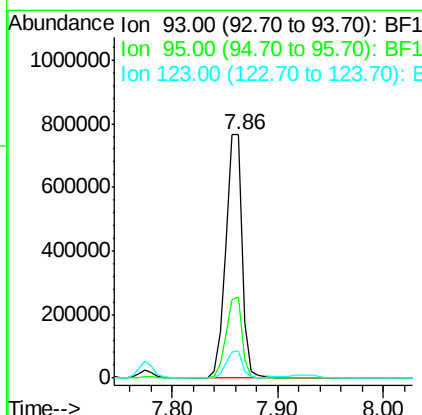
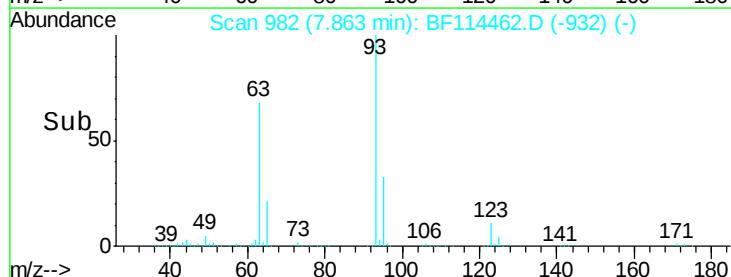
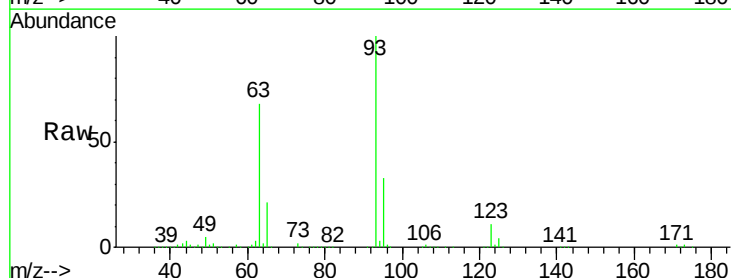
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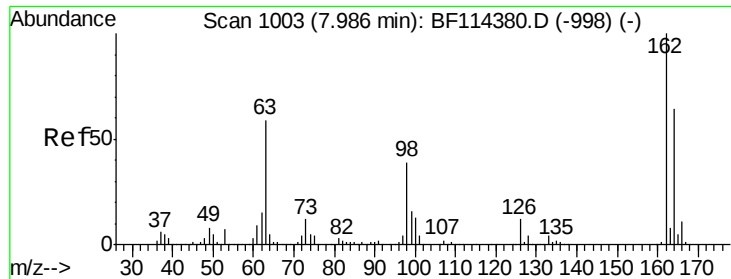
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#28
bis(2-Chloroethoxy)methane
Concen: 43.861 ng
RT: 7.86 min Scan# 982
Delta R.T. -0.01 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	821011		
95	33.1	26.8	40.2	
123	11.4	9.5	14.3	





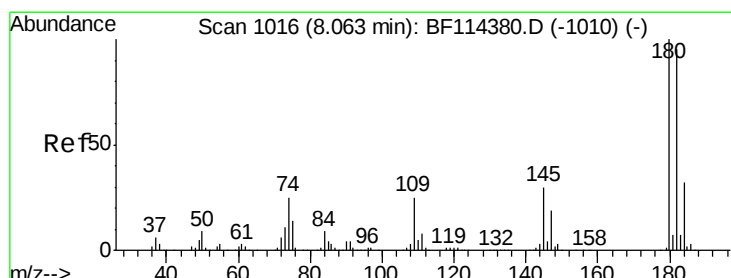
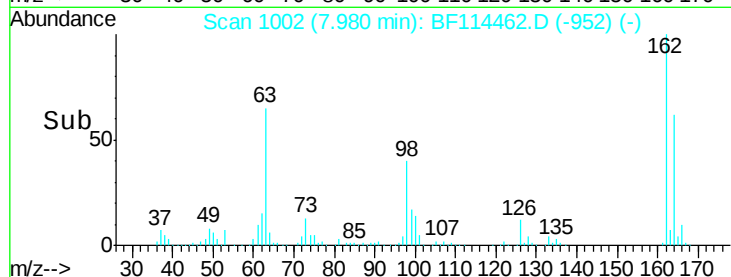
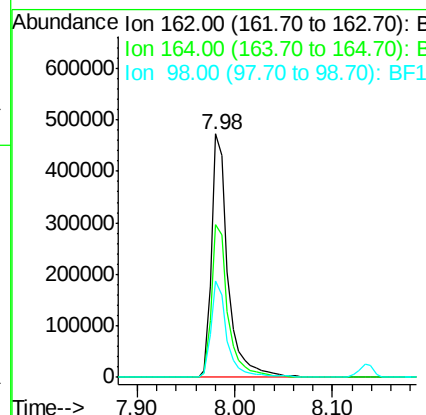
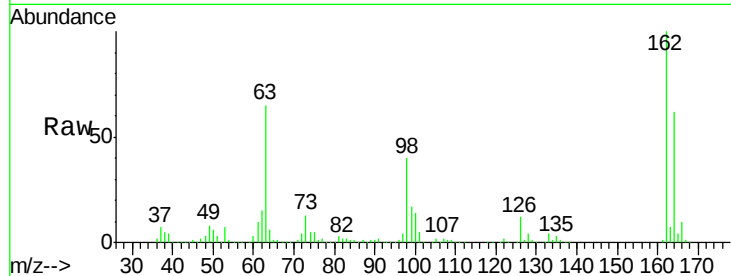
#29
 2,4-Dichlorophenol
 Concen: 45.980 ng
 RT: 7.98 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 CL-03-051719MSD

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	552738		
164	62.5	43.6	83.6	
98	39.8	20.6	60.6	

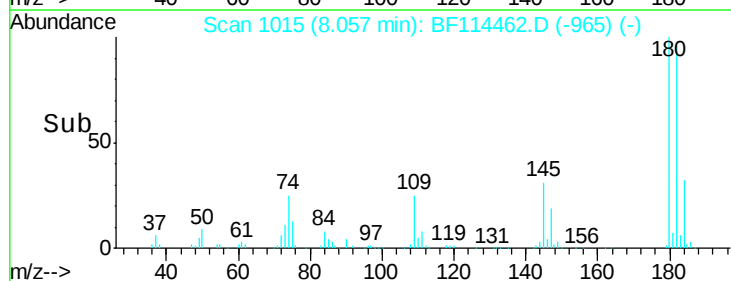
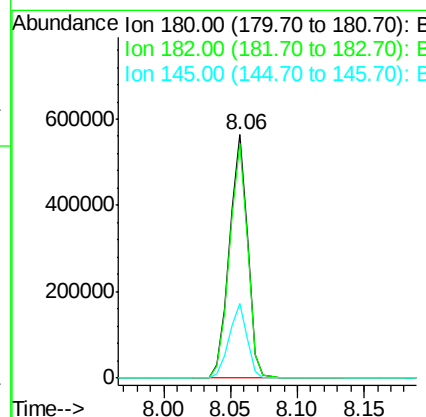
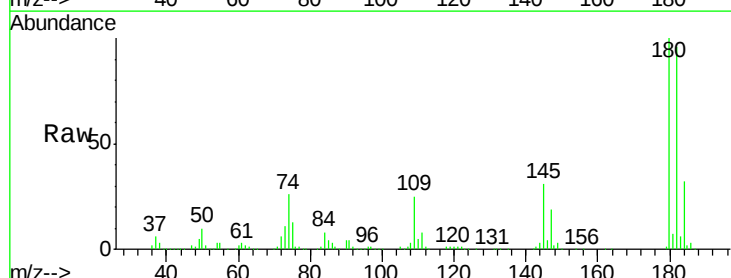
Manual Integrations
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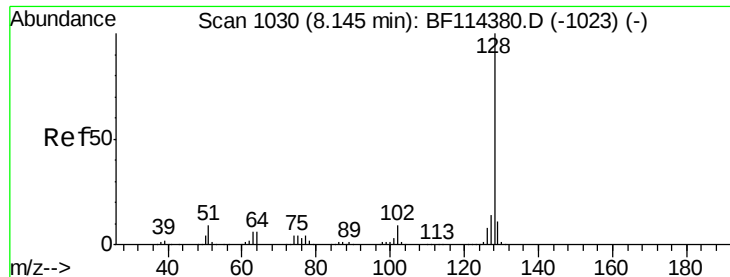
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#30
 1,2,4-Trichlorobenzene
 Concen: 39.945 ng
 RT: 8.06 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	546043		
182	96.2	76.6	114.8	
145	30.7	25.1	37.7	





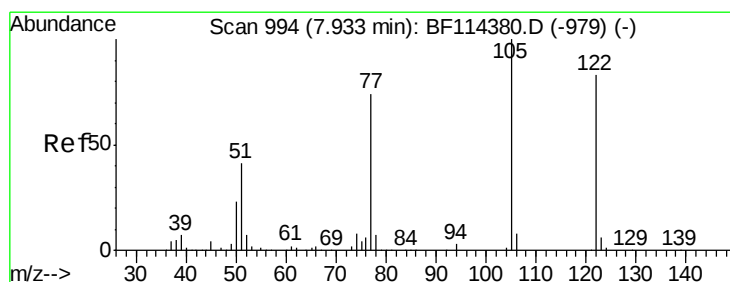
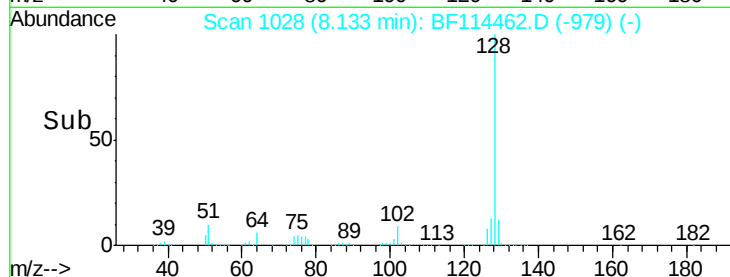
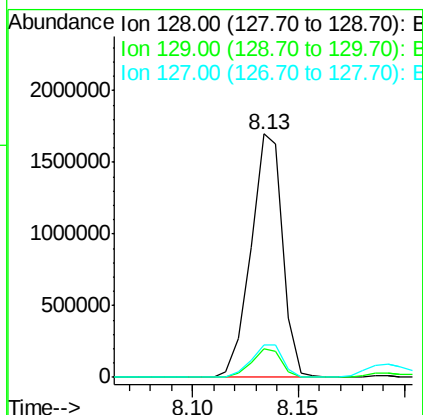
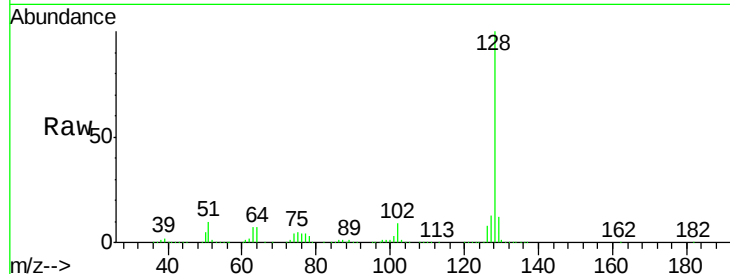
#31
Naphthalene
Concen: 43.370 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Instrument :
BNA_F
ClientSampleId :
CL-03-051719MSD

Tgt Ion:128 Resp: 1768540
Ion Ratio Lower Upper
128 100
129 11.7 9.6 14.4
127 13.4 11.3 16.9

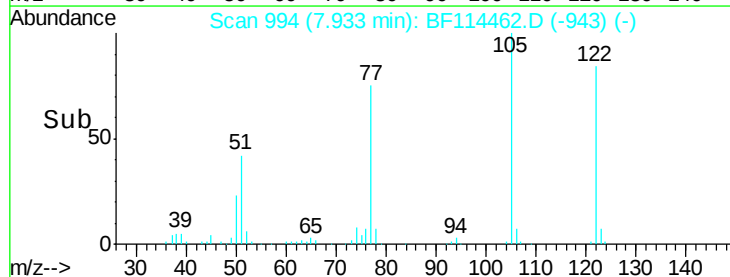
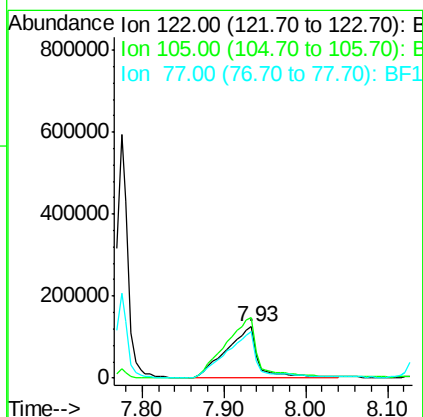
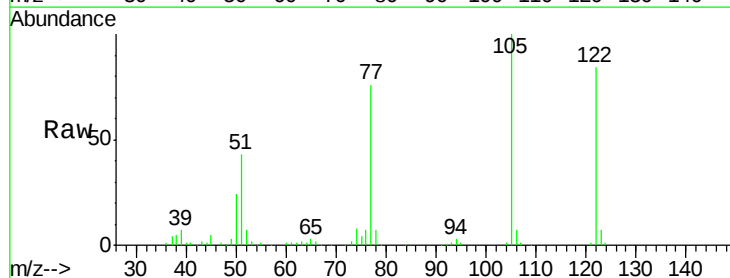
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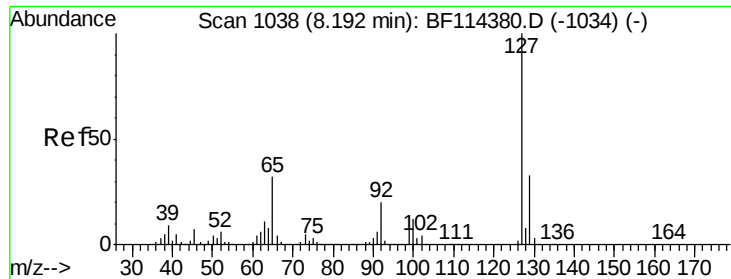
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#32
Benzoic acid
Concen: 40.061 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.00 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Tgt Ion:122 Resp: 333140
Ion Ratio Lower Upper
122 100
105 118.7 99.9 139.9
77 90.2 69.4 109.4





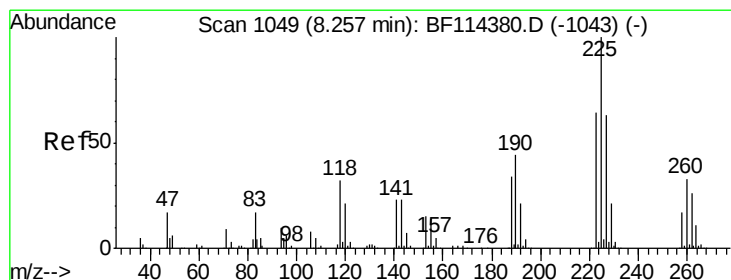
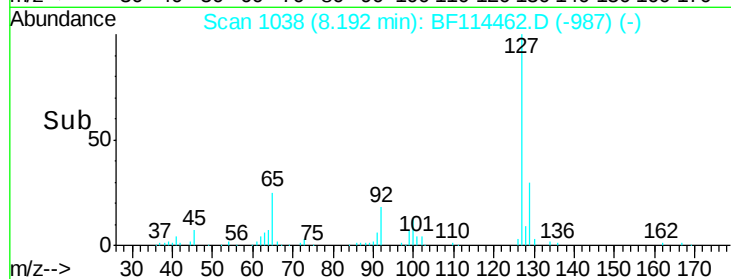
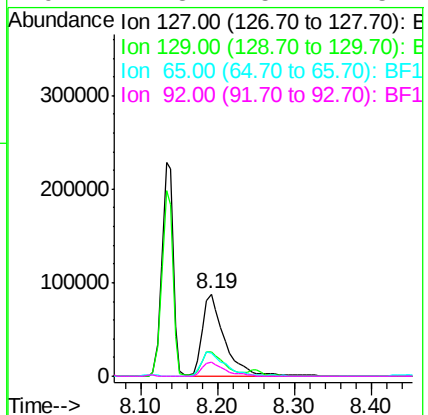
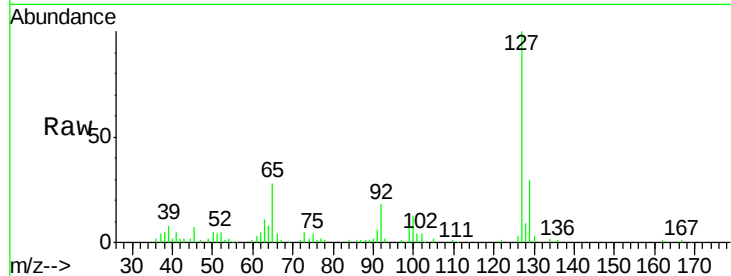
#33
4-Chloroaniline
Concen: 9.411 ng
RT: 8.19 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Instrument :
BNA_F
ClientSampleId :
CL-03-051719MSD

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	174885		
129	29.5	26.7	40.1	
65	28.1	25.4	38.0	
92	17.8	15.4	23.2	

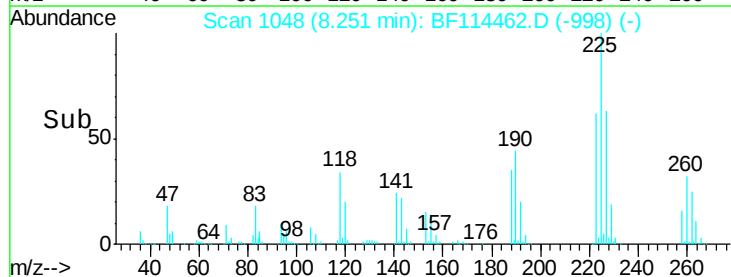
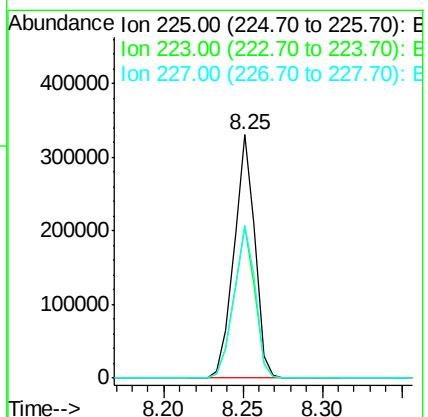
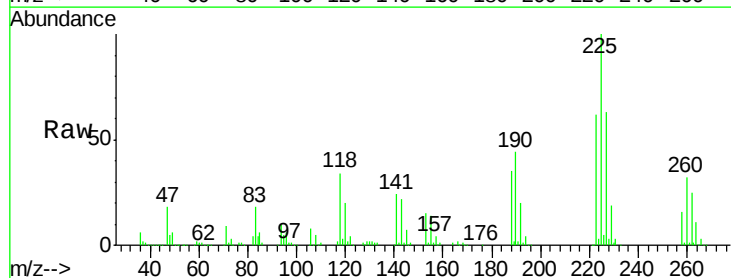
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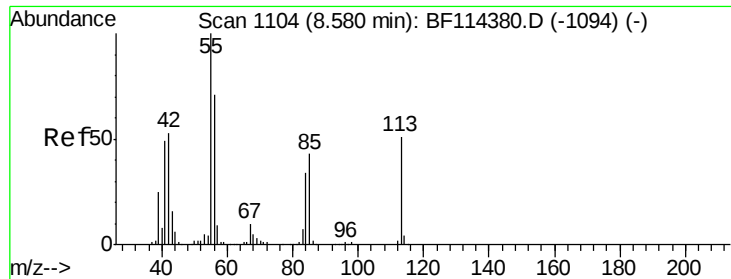
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#34
Hexachlorobutadiene
Concen: 38.568 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	299979		
223	62.1	50.2	75.2	
227	62.7	52.6	79.0	





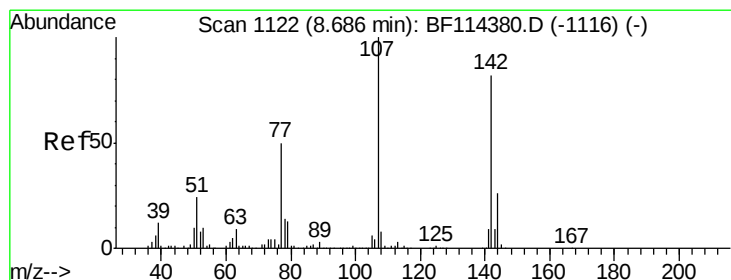
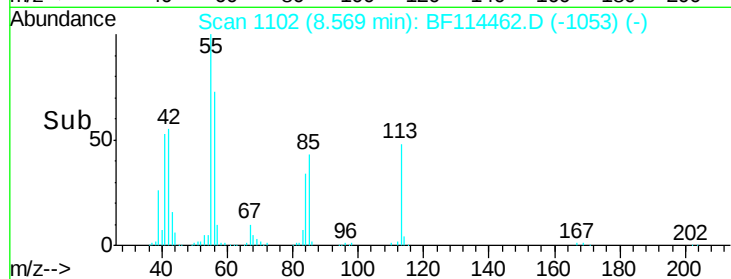
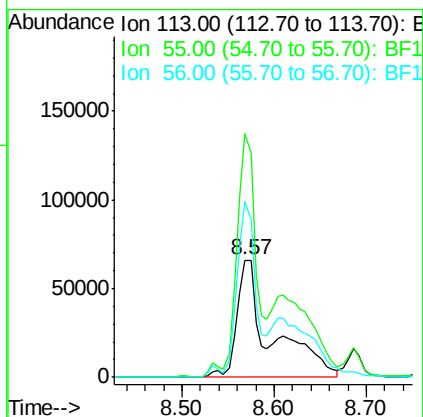
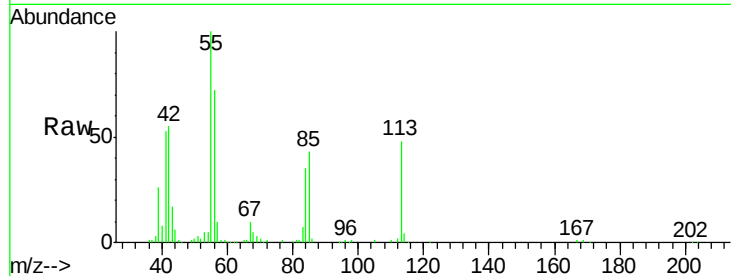
#35
 Caprolactam
 Concen: 43.378 ng m
 RT: 8.57 min Scan# 1102
 Delta R.T. -0.01 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 CL-03-051719MSD

Tgt Ion:113 Resp: 170036
 Ion Ratio Lower Upper
 113 100
 55 207.2 183.5 223.5
 56 150.0 128.8 168.8

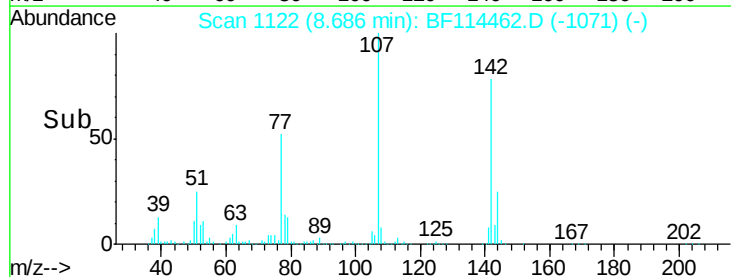
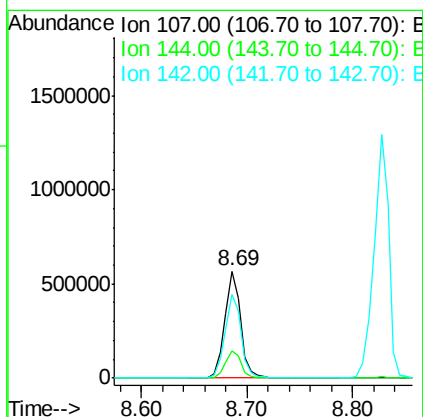
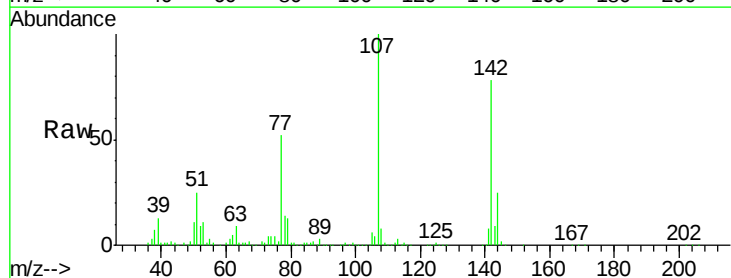
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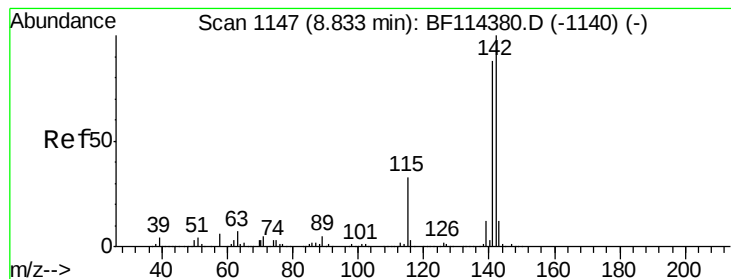
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#36
 4-Chloro-3-methylphenol
 Concen: 49.471 ng
 RT: 8.69 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Tgt Ion:107 Resp: 598620
 Ion Ratio Lower Upper
 107 100
 144 25.4 20.4 30.6
 142 78.5 64.2 96.4





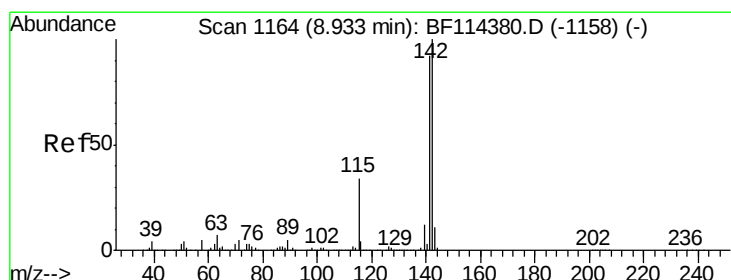
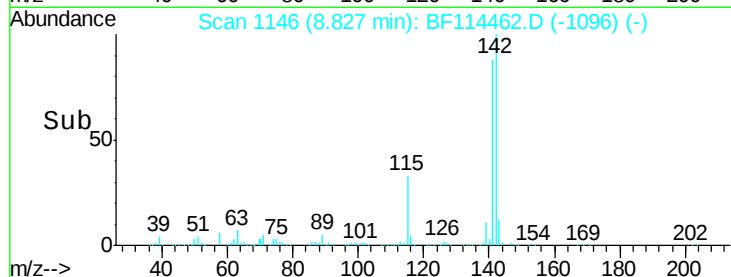
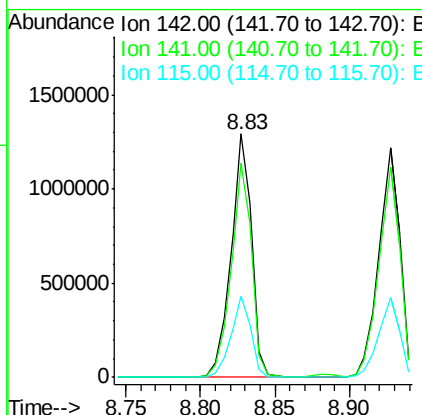
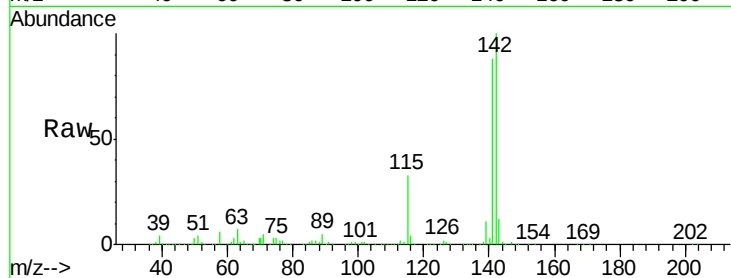
#37
 2-Methylnaphthalene
 Concen: 47.507 ng
 RT: 8.83 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 CL-03-051719MSD

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.0	72.1	108.1
115	33.4	28.0	42.0

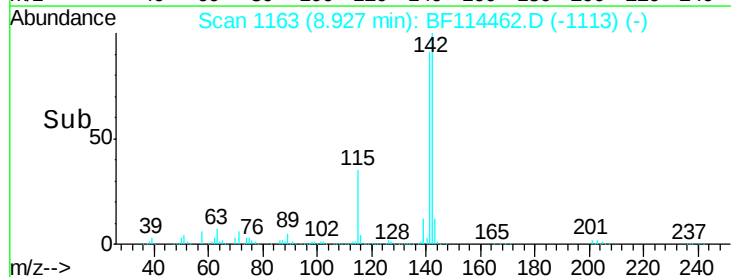
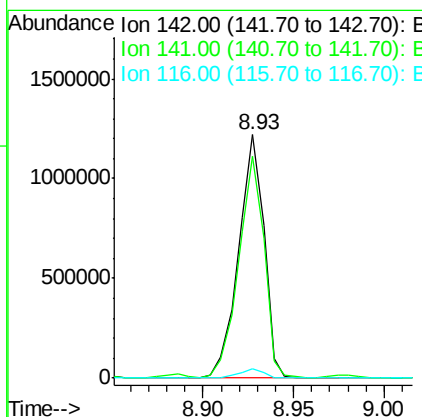
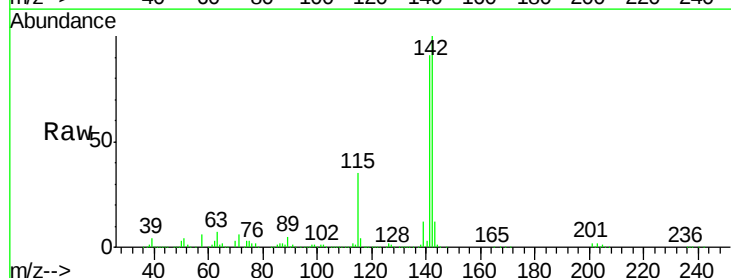
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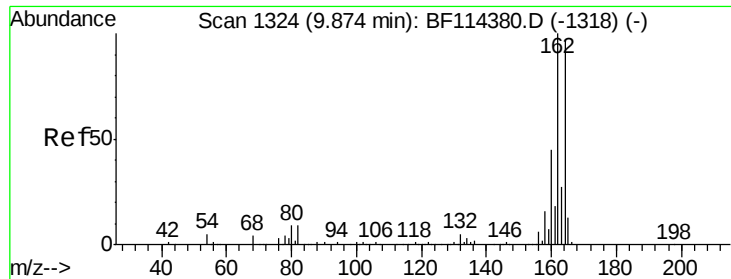
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#38
 1-Methylnaphthalene
 Concen: 47.708 ng
 RT: 8.93 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.4	110.0
116	3.9	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Instrument :

BNA_F

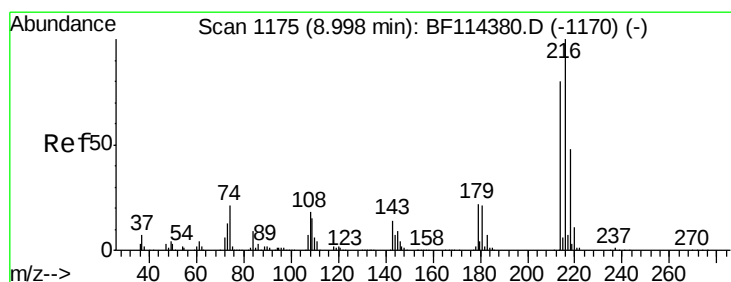
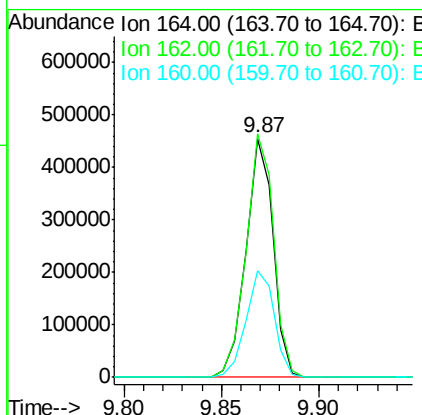
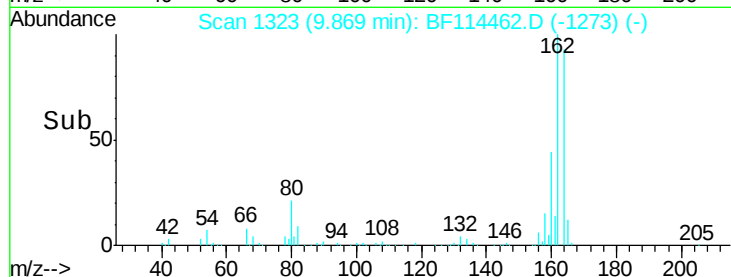
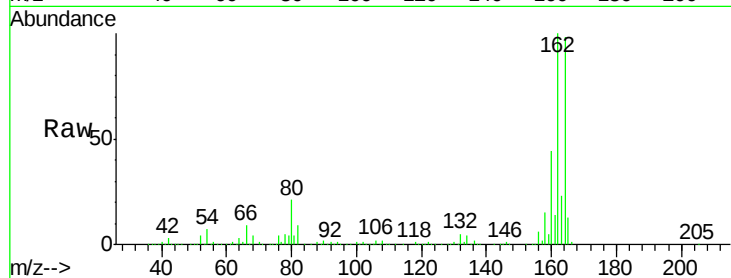
ClientSampleId :

CL-03-051719MSD

Tgt Ion:	164	Resp:	440291
Ion Ratio	Lower	Upper	
164	100		
162	102.1	80.6	120.8
160	44.7	36.5	54.7

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.892 ng

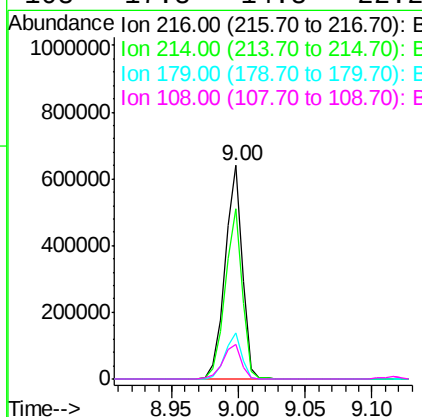
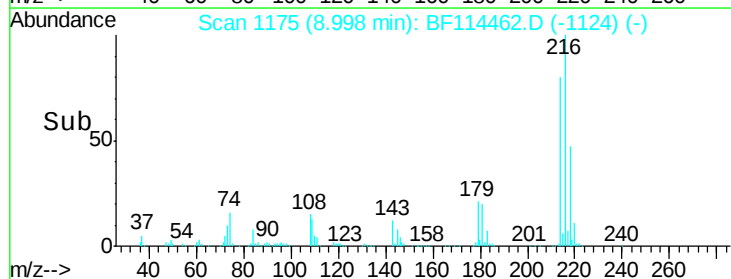
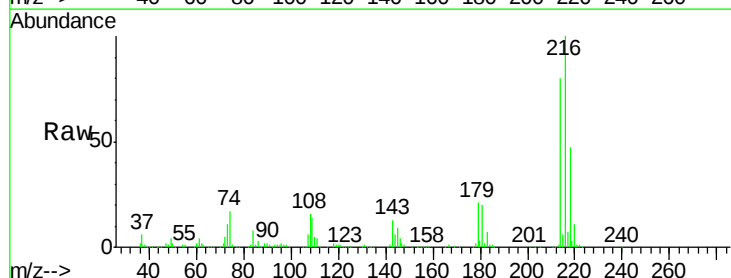
RT: 9.00 min Scan# 1175

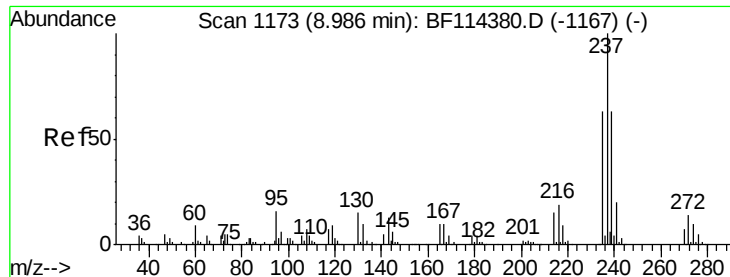
Delta R.T. 0.00 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Tgt Ion:	216	Resp:	585400
Ion Ratio	Lower	Upper	
216	100		
214	79.1	63.9	95.9
179	21.0	17.0	25.6
108	17.8	14.8	22.2





#41

Hexachlorocyclopentadiene

Concen: 21.924 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Instrument :

BNA_F

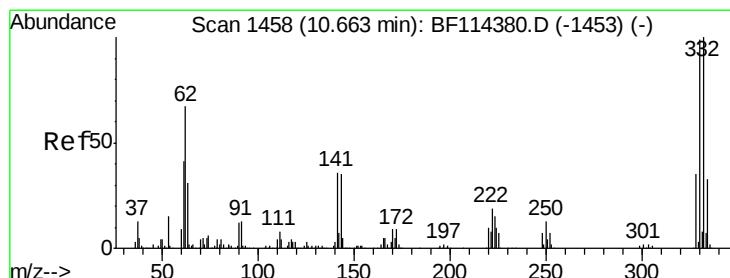
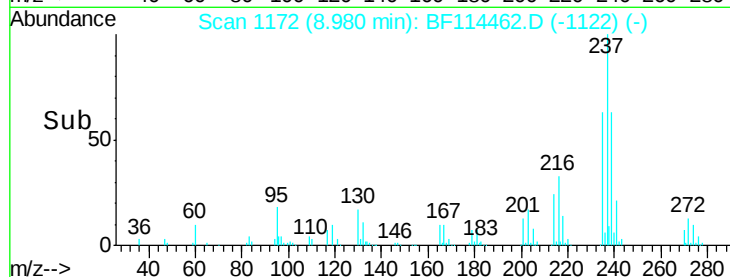
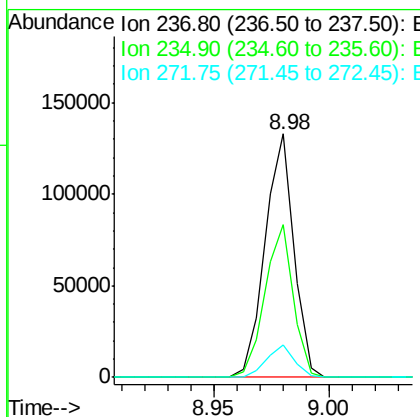
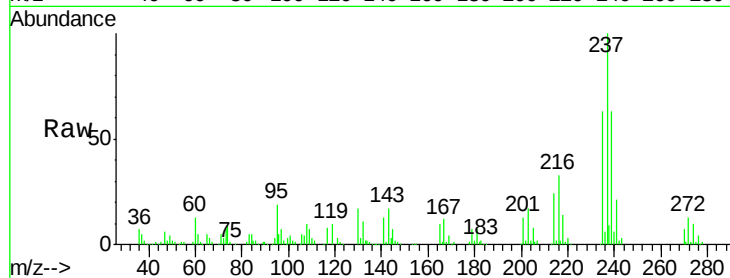
ClientSampleId :

CL-03-051719MSD

Tgt Ion:	237	Resp:	115606
Ion Ratio		Lower	Upper
237	100		
235	63.0	42.0	82.0
272	13.2	0.0	32.4

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#42

2,4,6-Tribromophenol

Concen: 125.012 ng

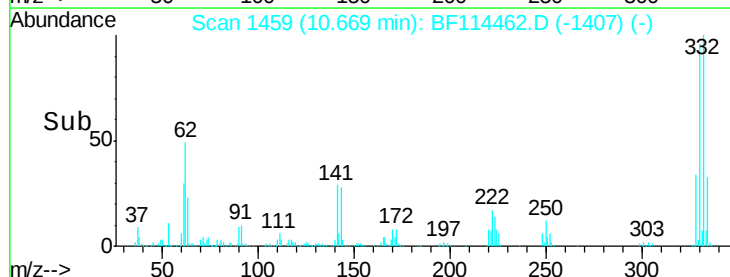
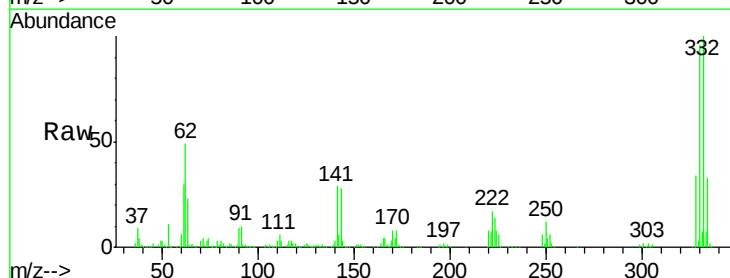
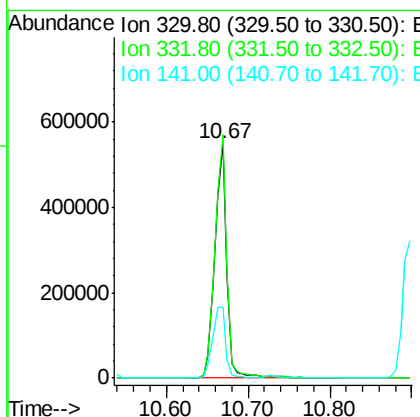
RT: 10.67 min Scan# 1459

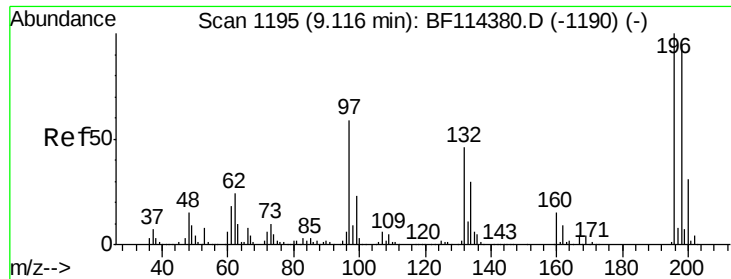
Delta R.T. 0.01 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Tgt Ion:	330	Resp:	569038
Ion Ratio		Lower	Upper
330	100		
332	102.6	81.4	122.2
141	32.8	26.6	40.0





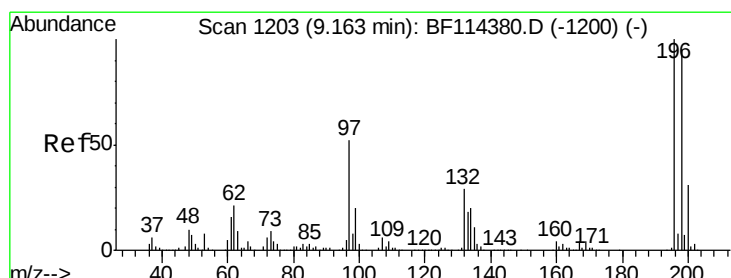
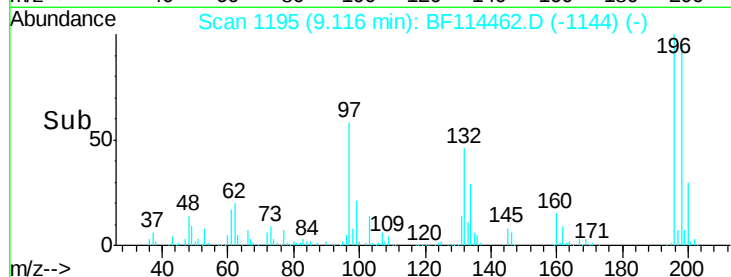
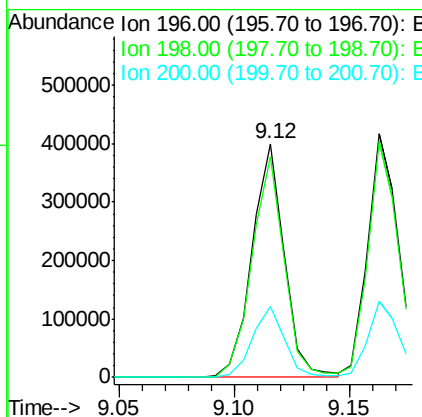
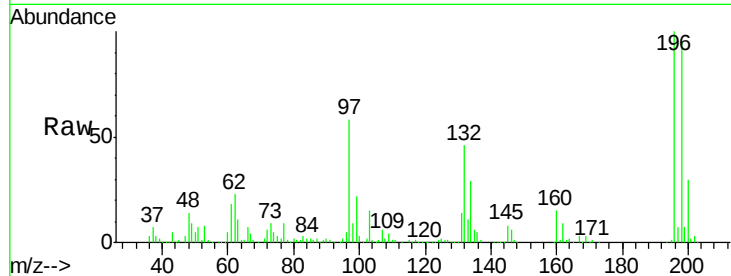
#43
 2,4,6-Trichlorophenol
 Concen: 42.613 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 CL-03-051719MSD

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	390923		
198	94.7	75.9	113.9	
200	30.3	23.5	35.3	

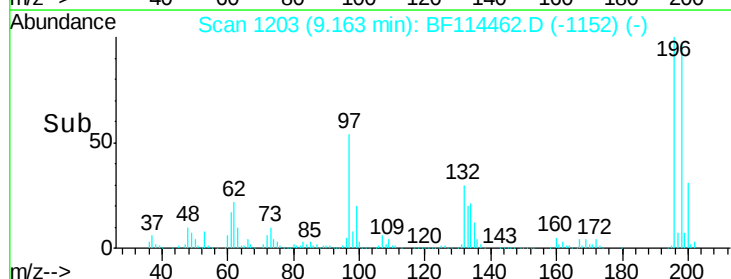
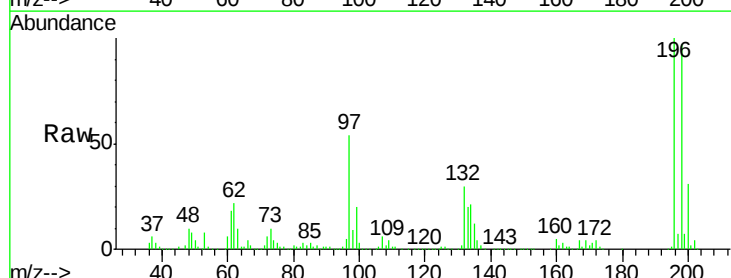
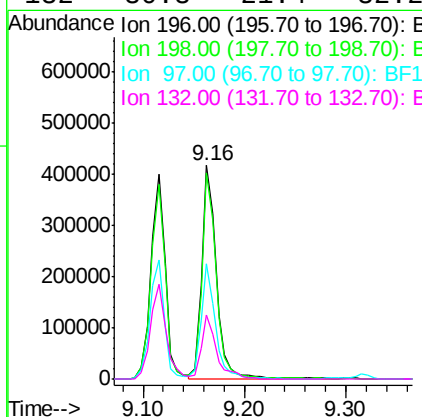
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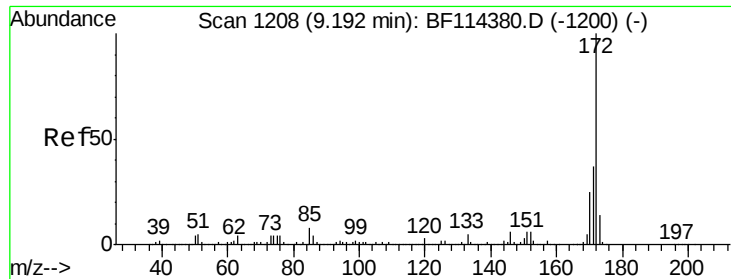
Sohil
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#44
 2,4,5-Trichlorophenol
 Concen: 44.075 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	414669		
198	96.8	77.7	116.5	
97	53.9	38.2	57.2	
132	30.3	21.4	32.2	





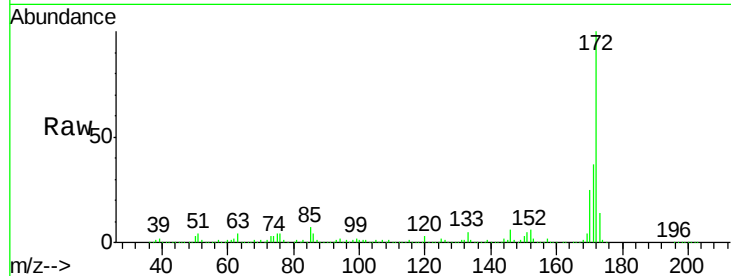
#45
2-Fluorobiphenyl
Concen: 81.373 ng
RT: 9.19 min Scan# 1208
Delta R.T. 0.00 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Instrument :
BNA_F
ClientSampleId :
CL-03-051719MSD

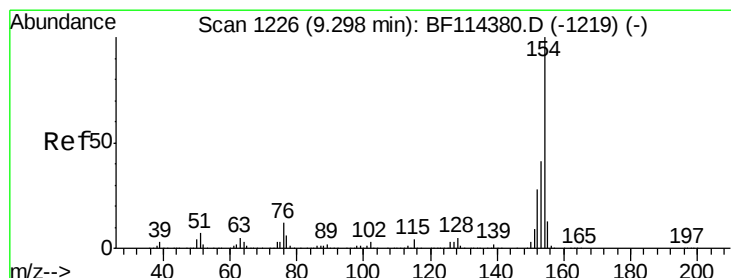
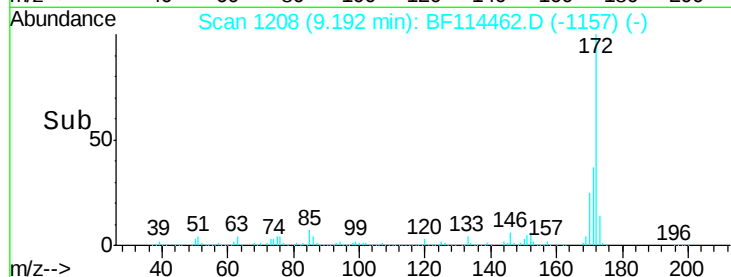
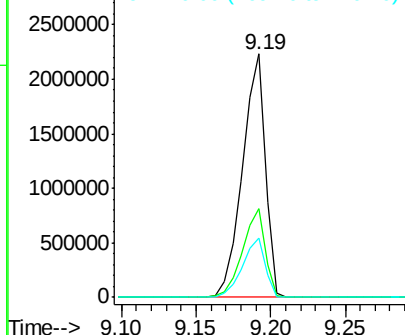
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.7	46.1
170	24.5	20.5	30.7

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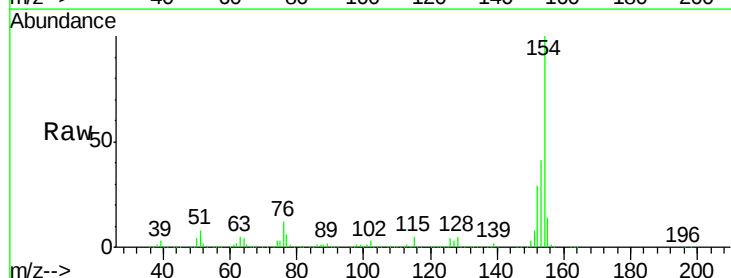


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

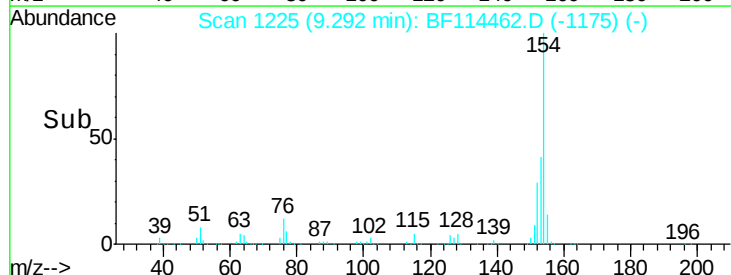
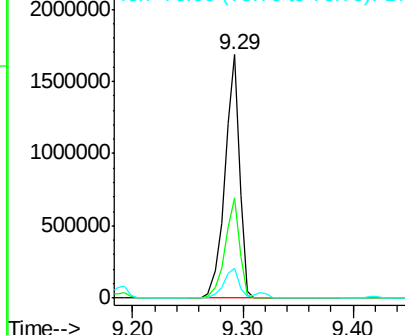


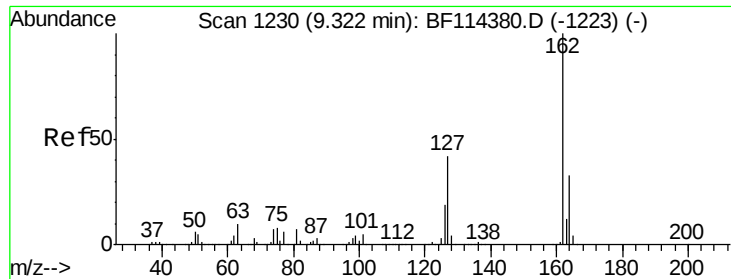
#46
1,1'-Biphenyl
Concen: 43.734 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.9	61.9
76	12.3	0.0	32.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





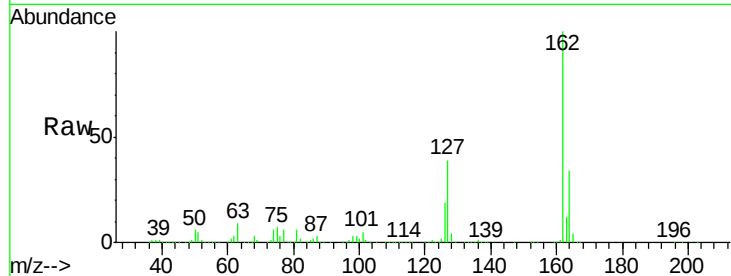
#47
 2-Chloronaphthalene
 Concen: 41.398 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 CL-03-051719MSD

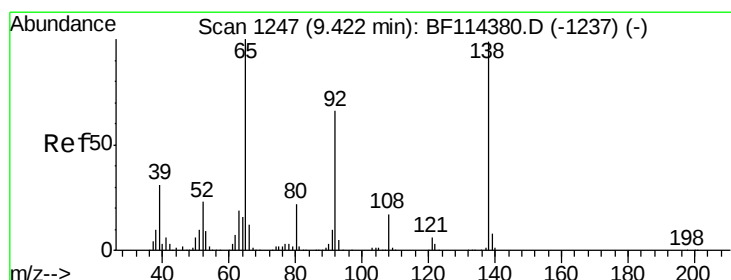
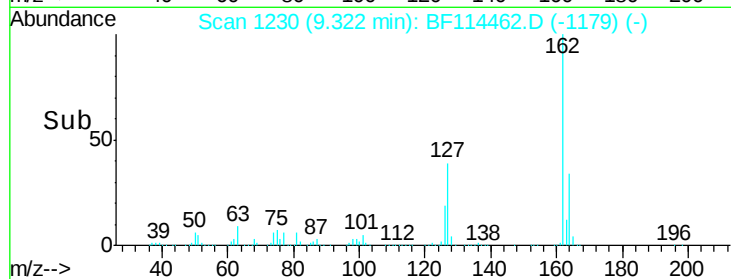
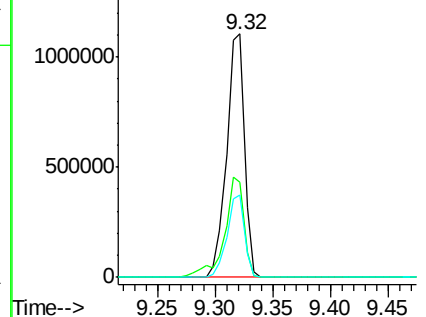
Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.8	34.0	51.0
164	33.7	26.7	40.1

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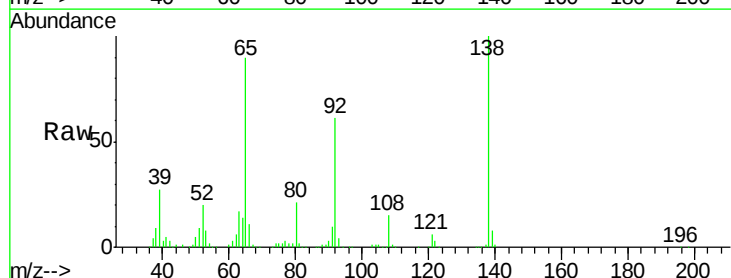


Abundance Ion 162.00 (161.70 to 162.70): E
 1500000 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

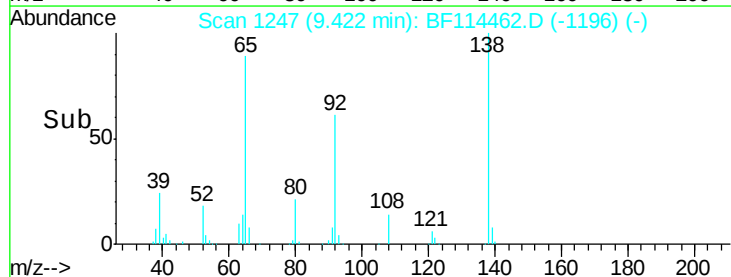
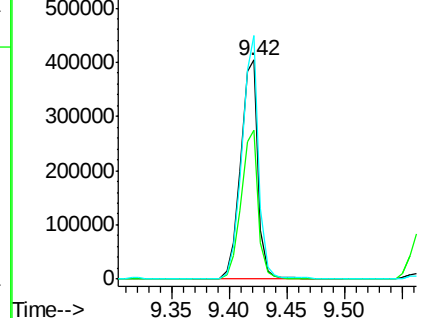


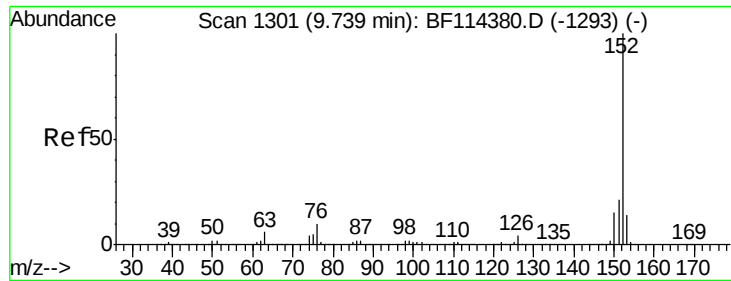
#48
 2-Nitroaniline
 Concen: 41.621 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. 0.00 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Lower	Upper
65	100		
92	67.8	53.9	80.9
138	111.2	81.4	122.0



Abundance Ion 65.00 (64.70 to 65.70): BF1
 600000 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 43.258 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Instrument :

BNA_F

ClientSampleId :

CL-03-051719MSD

Tgt Ion:152 Resp: 1883367

Ion Ratio Lower Upper

152 100

151 20.7 16.8 25.2

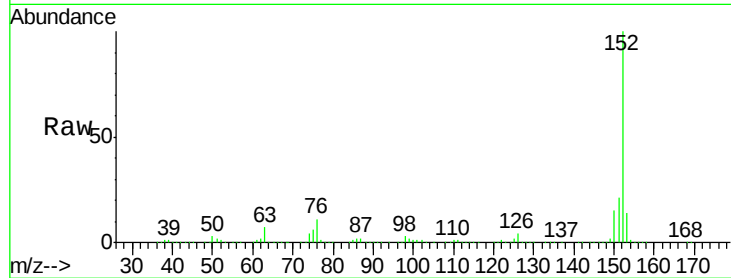
153 14.0 11.4 17.2

Manual Integrations

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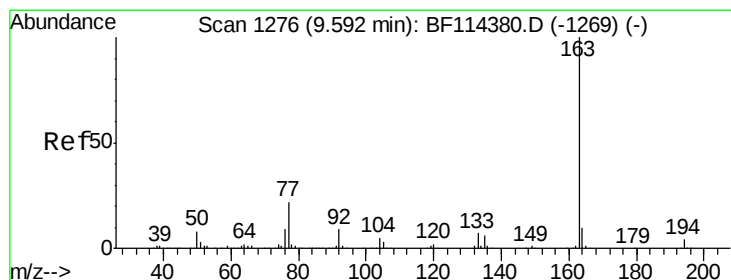
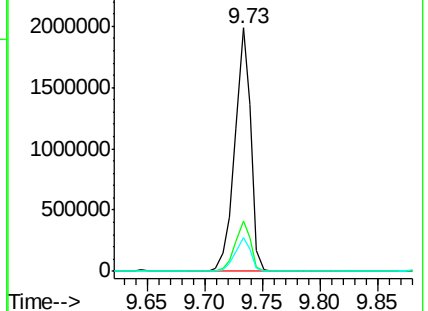
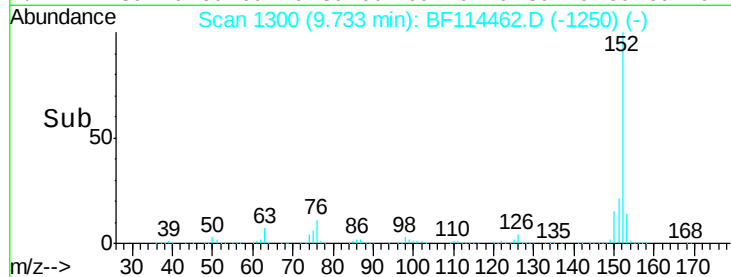
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 45.239 ng

RT: 9.59 min Scan# 1276

Delta R.T. 0.00 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

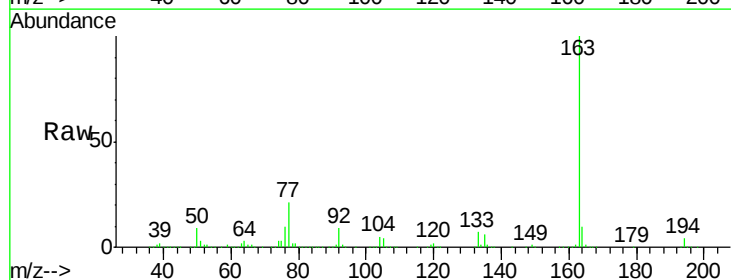
Tgt Ion:163 Resp: 1462178

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

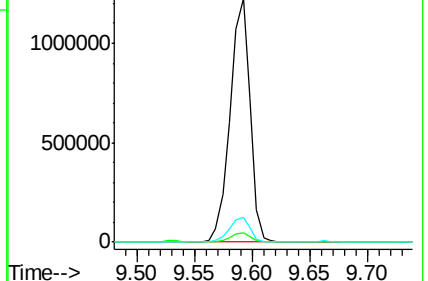
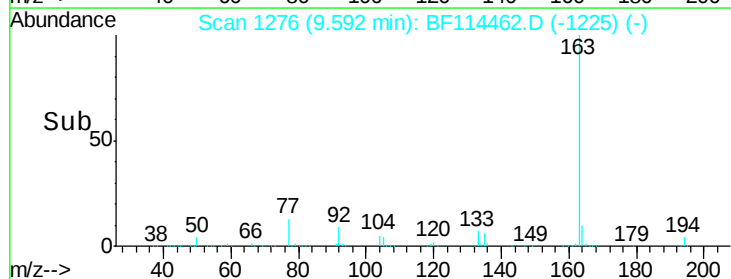
164 10.1 8.2 12.2

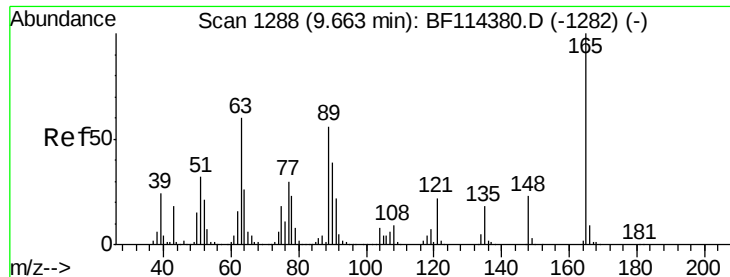


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





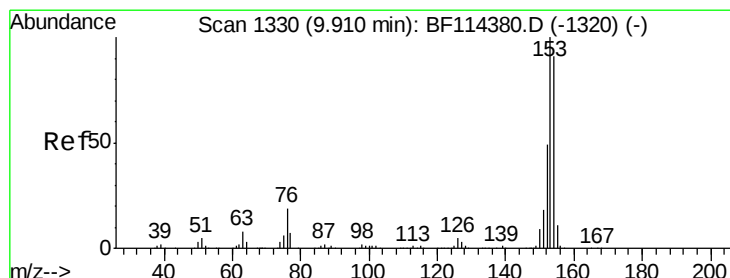
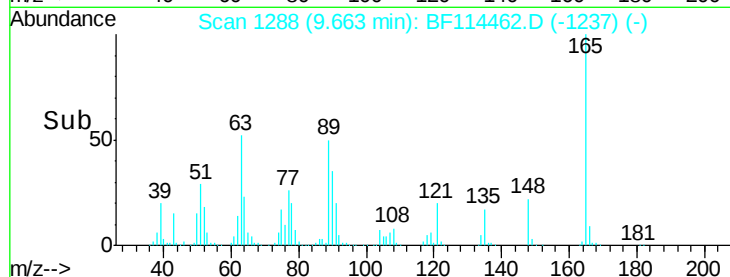
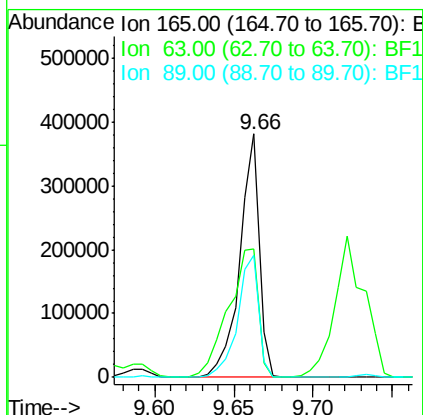
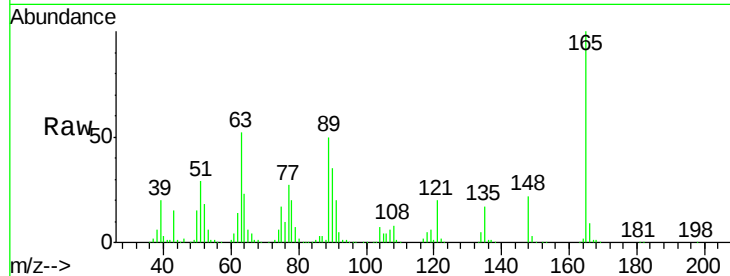
#51
 2,6-Dinitrotoluene
 Concen: 45.348 ng
 RT: 9.66 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 CL-03-051719MSD

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	325098		
63	52.5	50.2	75.4	
89	50.0	46.6	69.8	

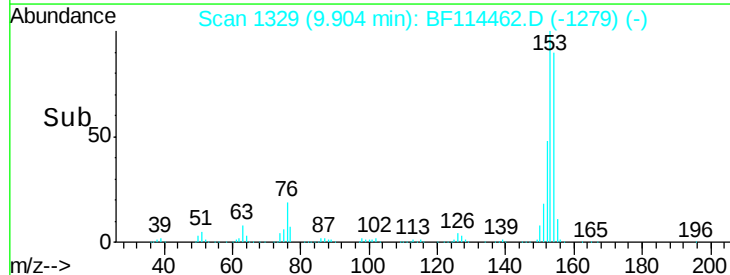
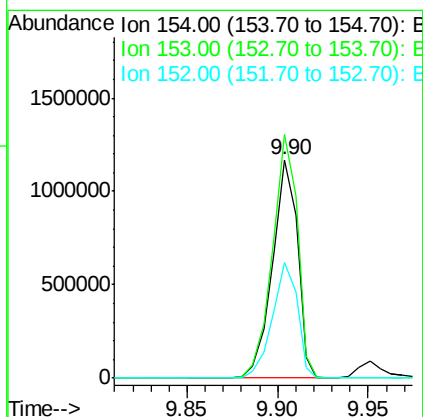
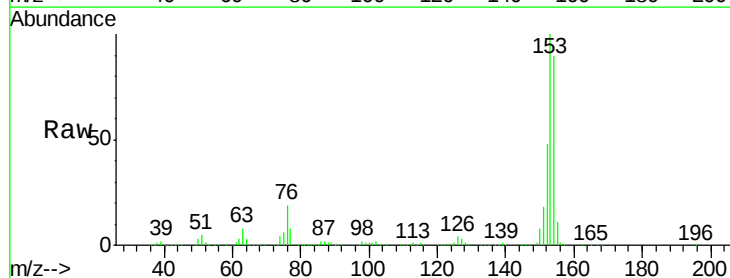
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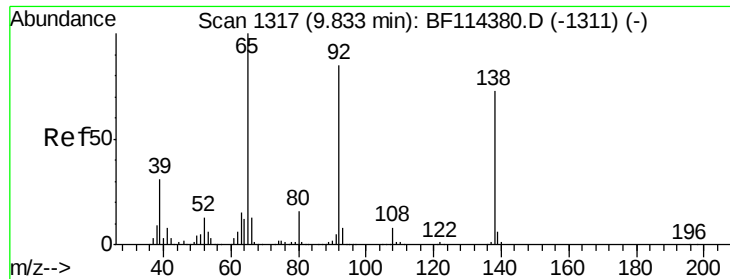
Sohil
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#52
 Acenaphthene
 Concen: 42.124 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1125439		
153	111.5	90.5	135.7	
152	53.1	43.4	65.2	





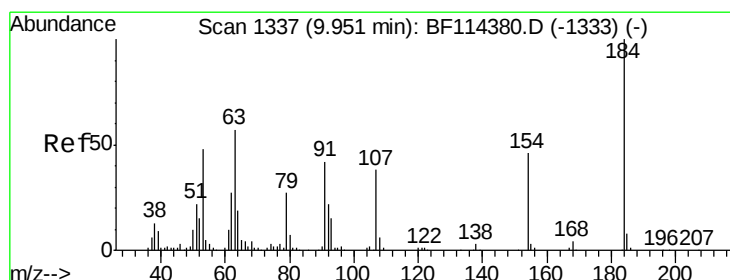
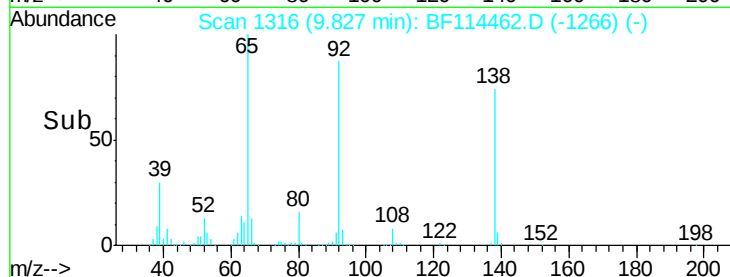
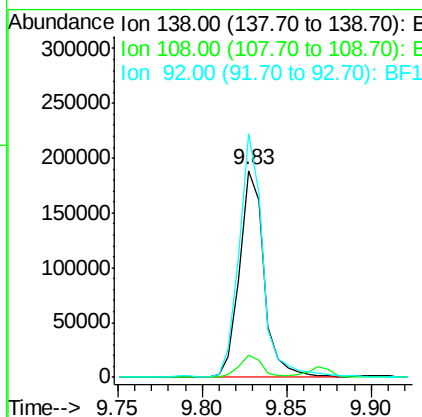
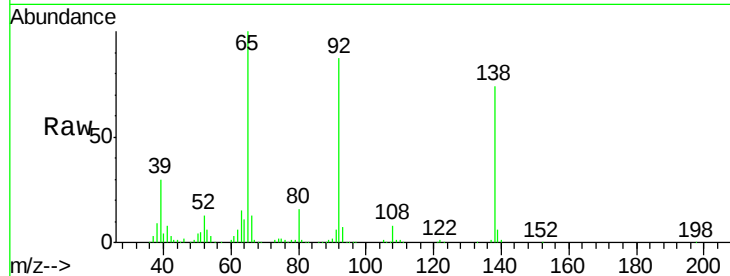
#53
3-Nitroaniline
Concen: 21.553 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Instrument :
BNA_F
ClientSampleId :
CL-03-051719MSD

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	191805		
108	10.9	7.8	11.6	
92	117.9	91.2	136.8	

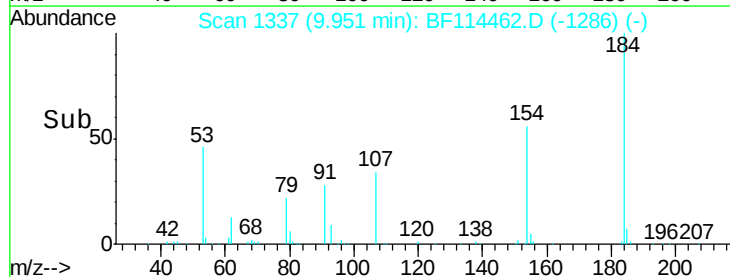
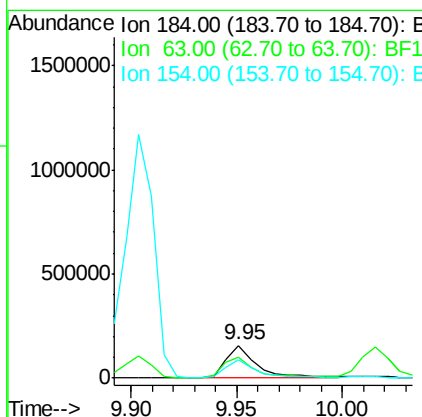
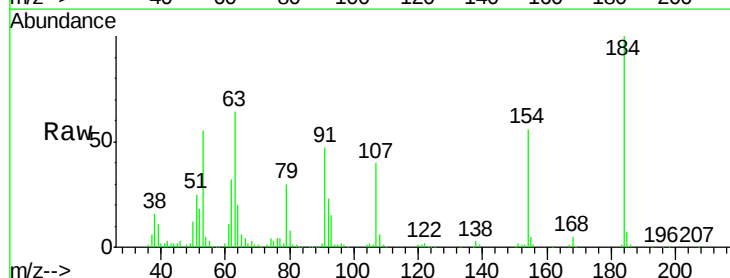
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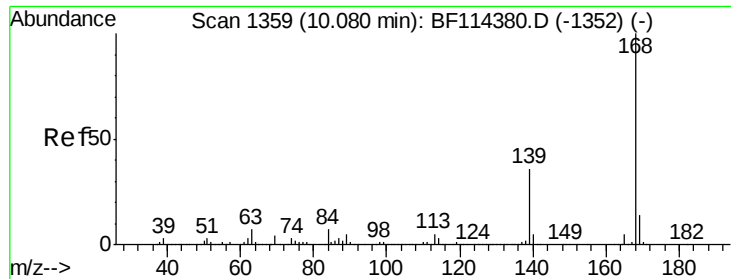
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#54
2,4-Dinitrophenol
Concen: 47.736 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.00 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	161367		
63	64.1	55.6	83.4	
154	56.4	46.0	69.0	





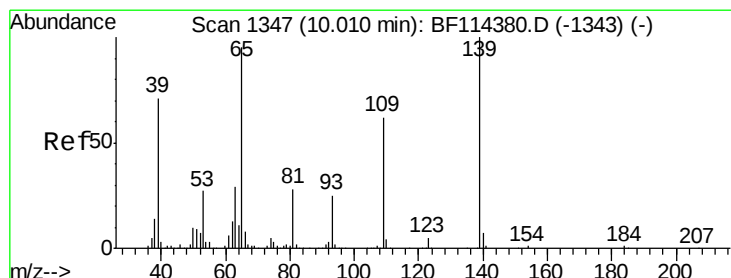
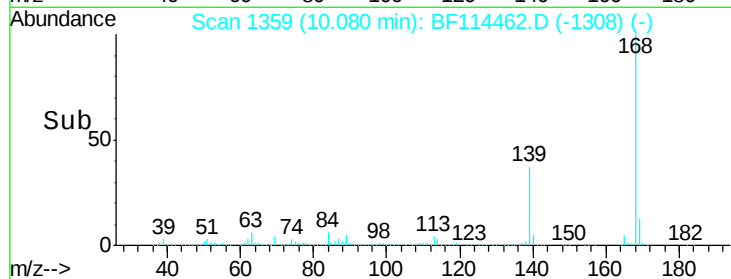
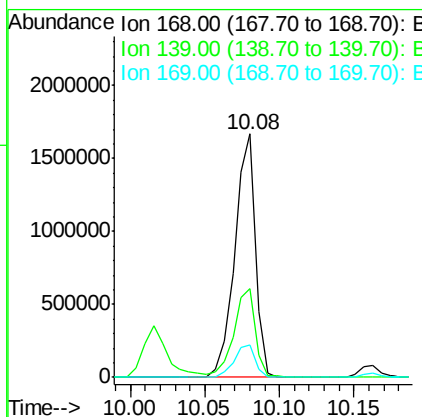
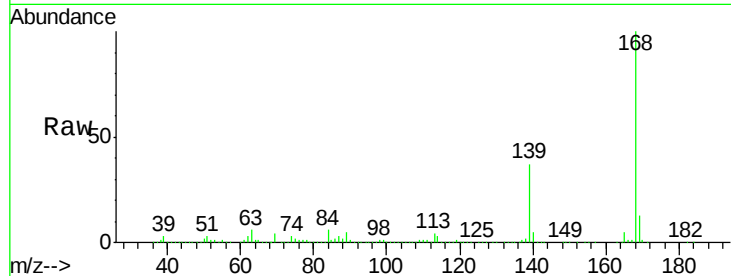
#55
Dibenzenofuran
Concen: 41.328 ng
RT: 10.08 min Scan# 1359
Delta R.T. 0.00 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Instrument :
BNA_F
ClientSampleId :
CL-03-051719MSD

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.6	31.1	46.7
169	13.4	11.4	17.0

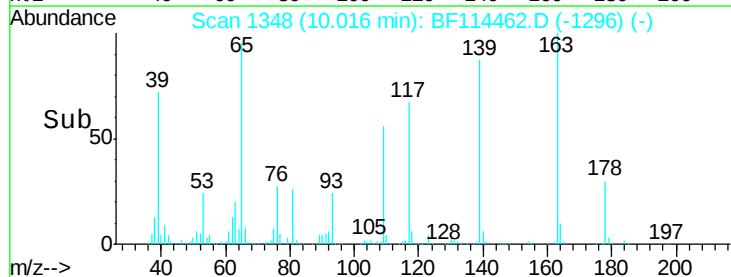
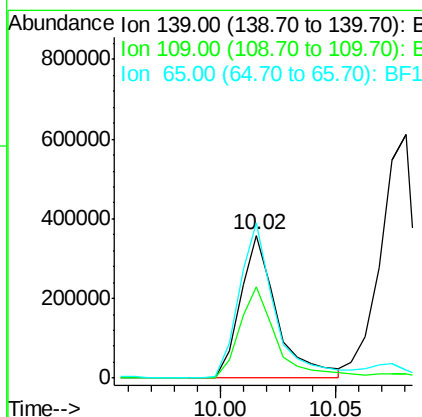
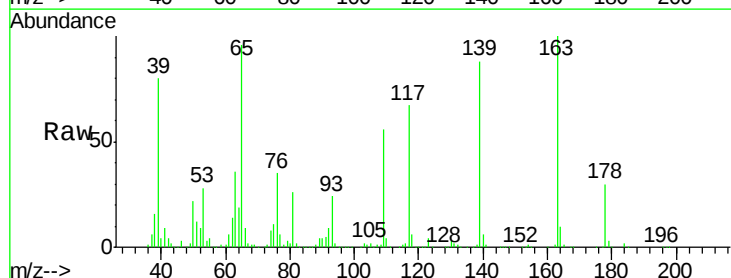
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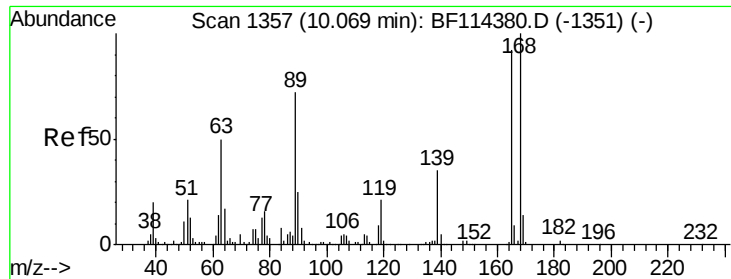
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#56
4-Nitrophenol
Concen: 62.671 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Lower	Upper
139	100		
109	63.7	43.9	83.9
65	109.3	85.7	125.7





#57

2,4-Dinitrotoluene

Concen: 41.152 ng

RT: 10.07 min Scan# 1358

Delta R.T. 0.01 min

Lab File: BF114462.D

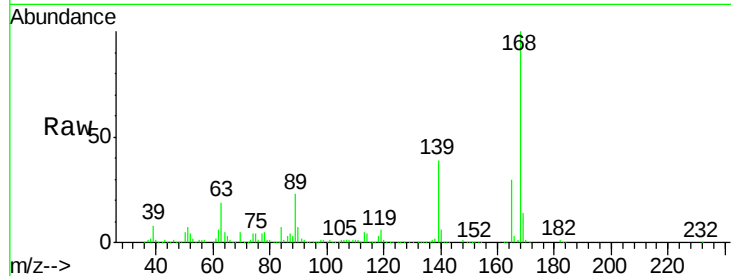
Acq: 21 May 2019 18:03

Instrument :

BNA_F

ClientSampleId :

CL-03-051719MSD



Tgt Ion:165 Resp: 400421

Ion Ratio Lower Upper

165 100

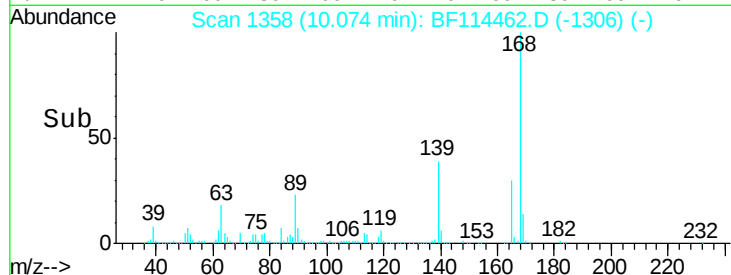
63 62.7 35.5 53.3#

89 76.7 55.2 82.8

182 2.6 2.2 3.2

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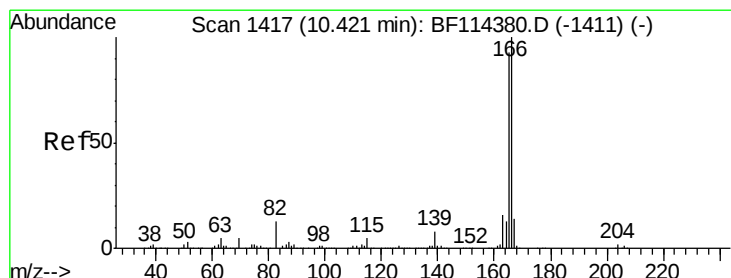
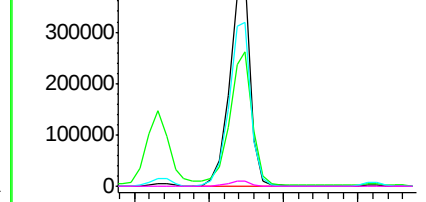


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 43.988 ng

RT: 10.42 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

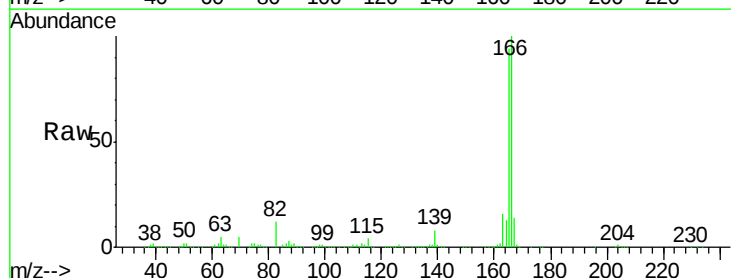
Tgt Ion:166 Resp: 1331088

Ion Ratio Lower Upper

166 100

165 94.3 76.1 114.1

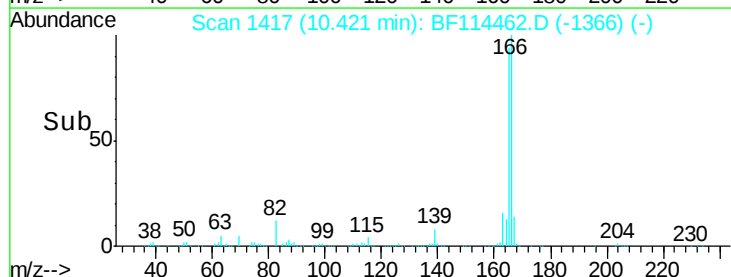
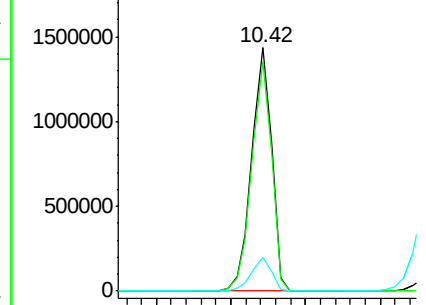
167 13.9 11.1 16.7

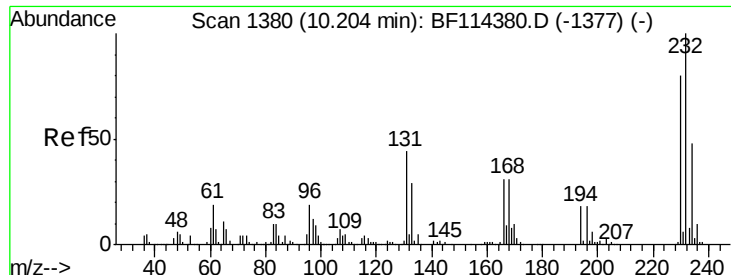


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





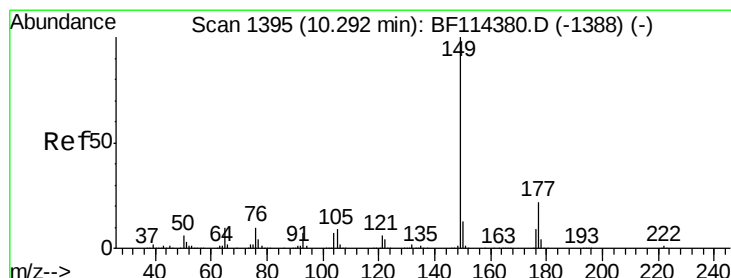
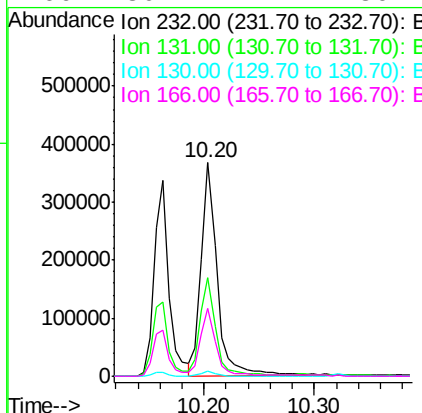
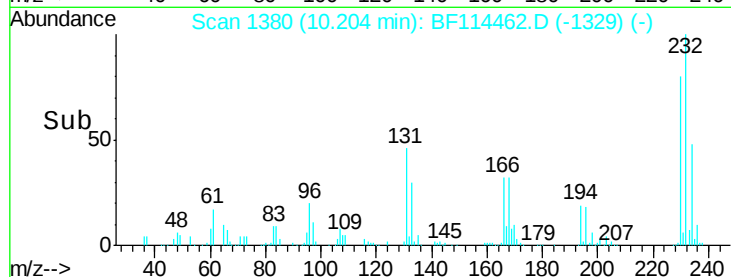
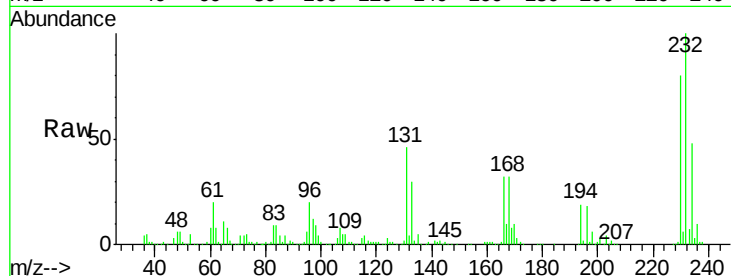
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 44.048 ng
 RT: 10.20 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 CL-03-051719MSD

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	357571		
131	43.6	35.6	53.4	
130	2.2	1.6	2.4	
166	30.4	24.1	36.1	

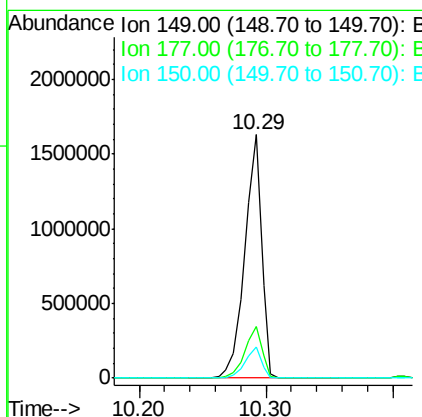
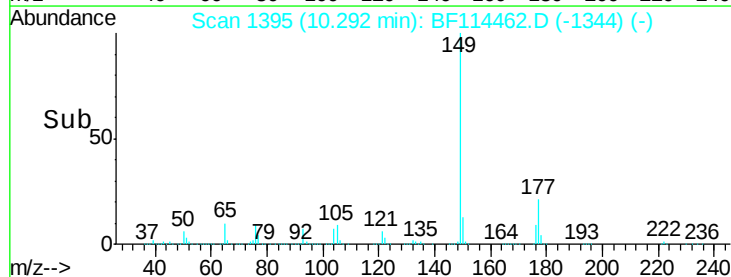
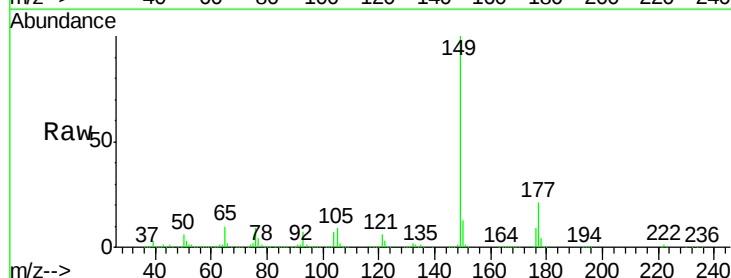
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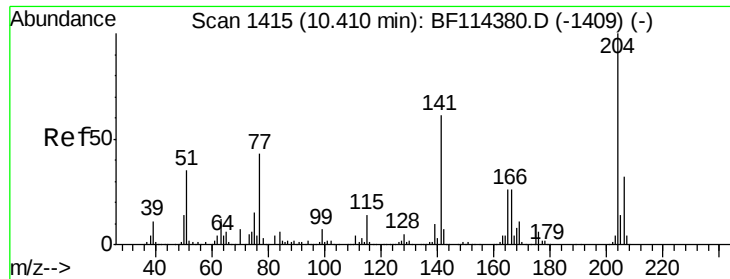
Sohil
 5/23/2019 8:15:47 AM



#60
 Diethylphthalate
 Concen: 45.537 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. 0.00 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1495449		
177	21.3	17.8	26.6	
150	12.7	10.2	15.2	





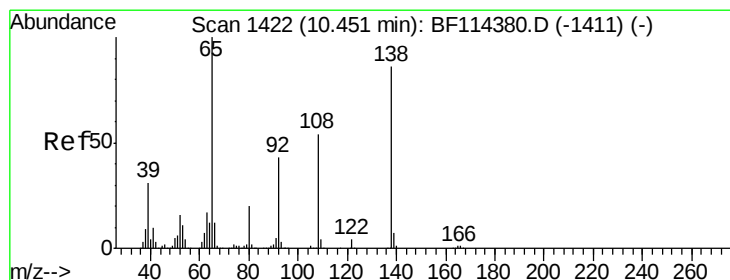
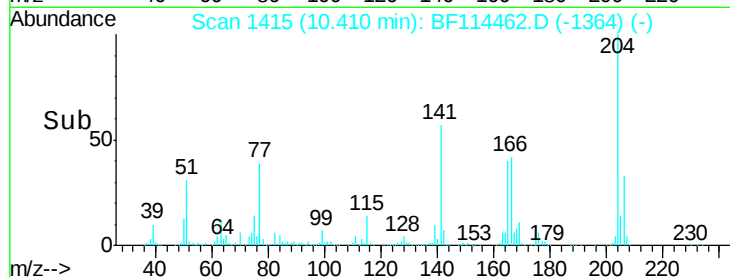
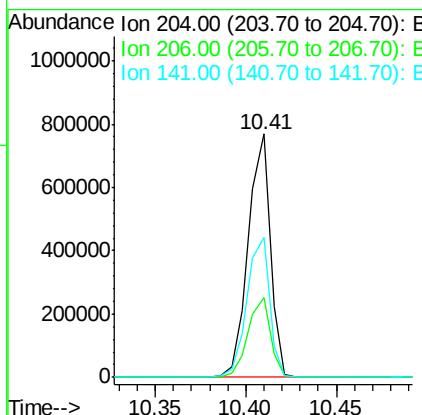
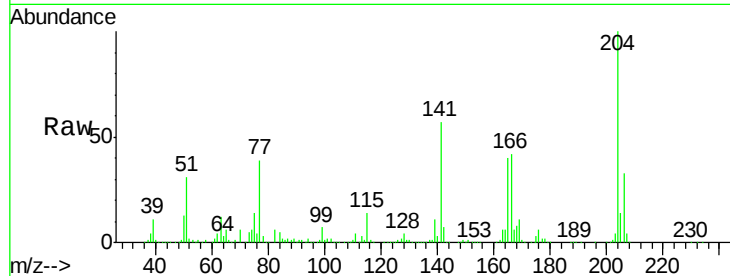
#61
 4-Chlorophenyl-phenylether
 Concen: 44.044 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 CL-03-051719MSD

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.6	39.8
141	57.4	46.4	69.6

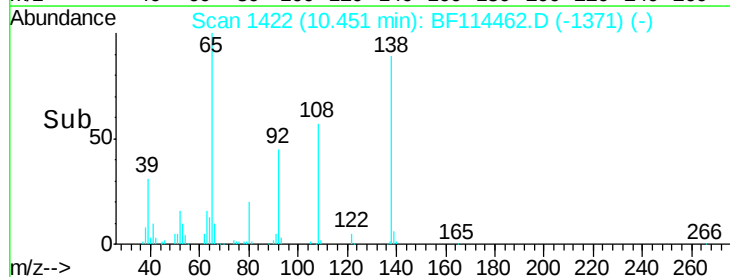
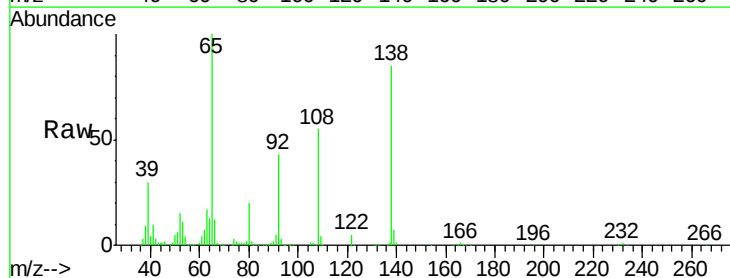
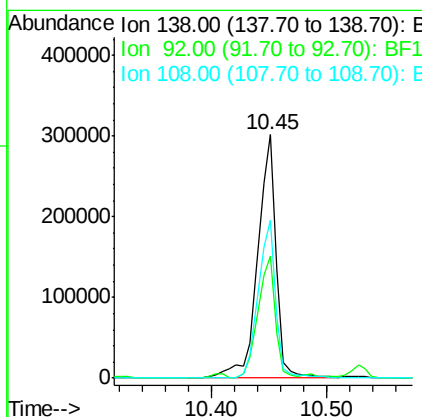
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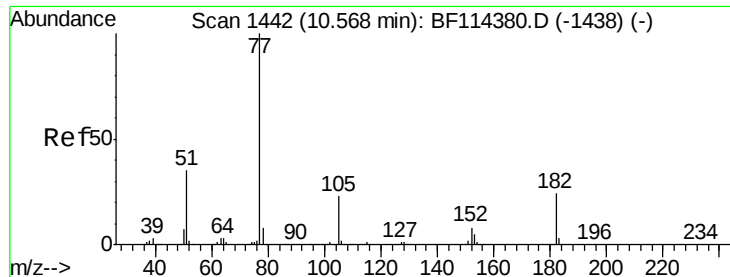
Sohil
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#62
 4-Nitroaniline
 Concen: 36.241 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. 0.00 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.1	33.0	73.0
108	64.8	44.9	84.9





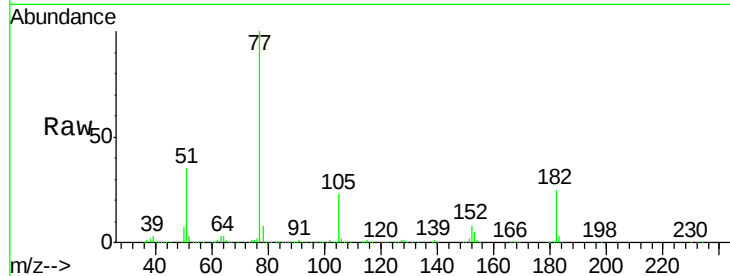
#63
Azobenzene
Concen: 43.933 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.00 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Instrument :
BNA_F
ClientSampleId :
CL-03-051719MSD

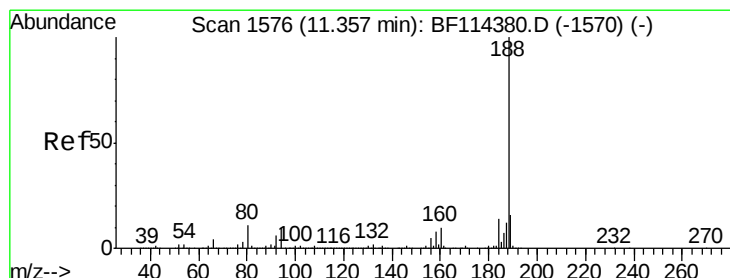
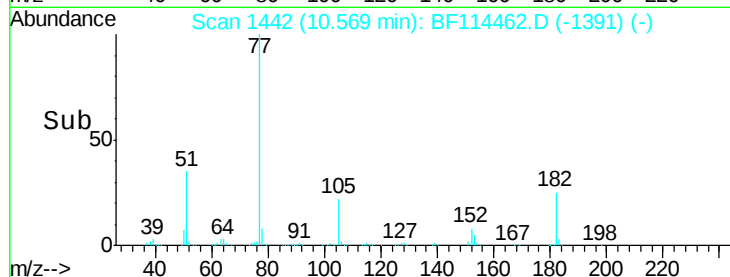
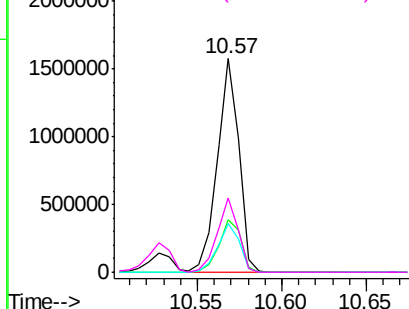
Tgt Ion: 77 Resp: 1396561
Ion Ratio Lower Upper
77 100
182 24.5 4.7 44.7
105 22.6 2.9 42.9
51 34.8 14.6 54.6

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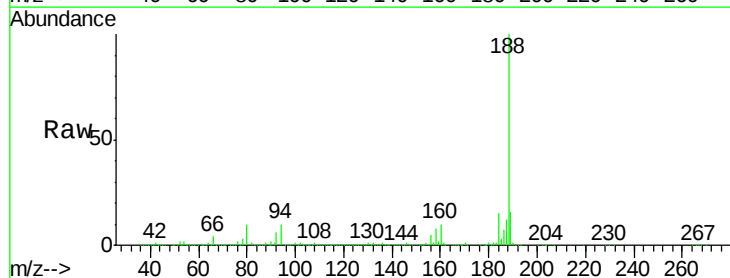


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

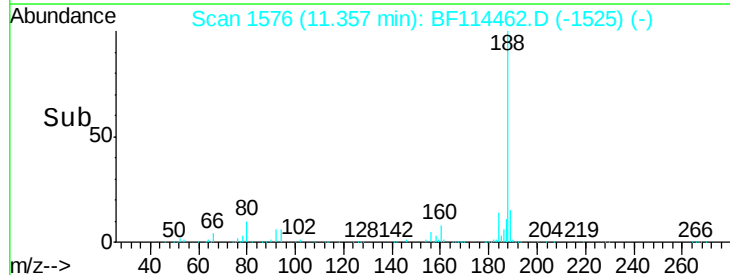
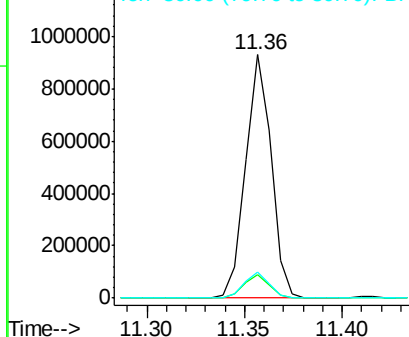


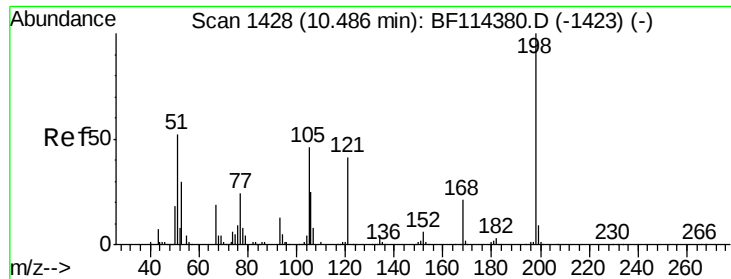
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Tgt Ion: 188 Resp: 846036
Ion Ratio Lower Upper
188 100
94 9.9 8.4 12.6
80 10.4 9.2 13.8



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





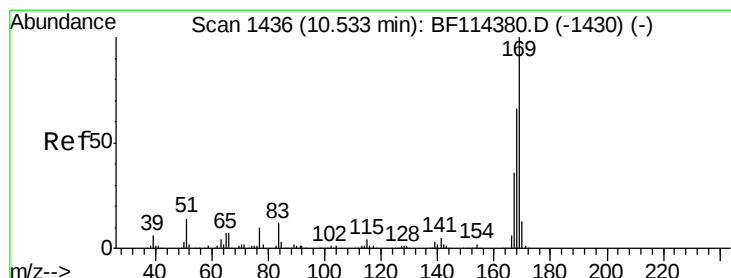
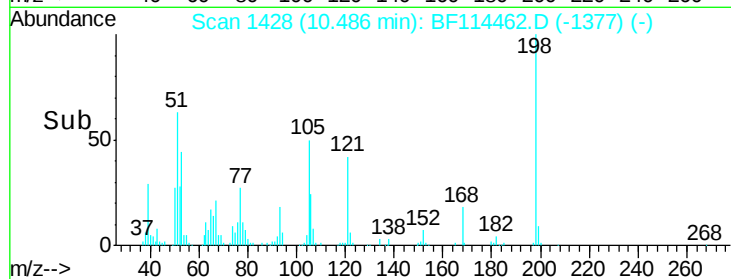
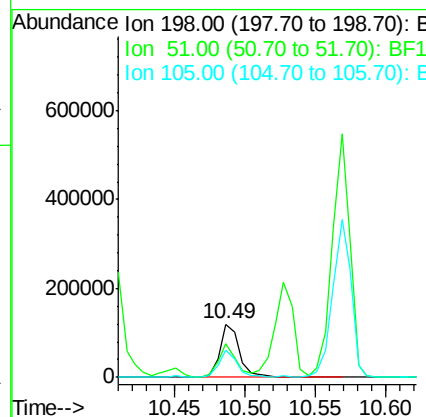
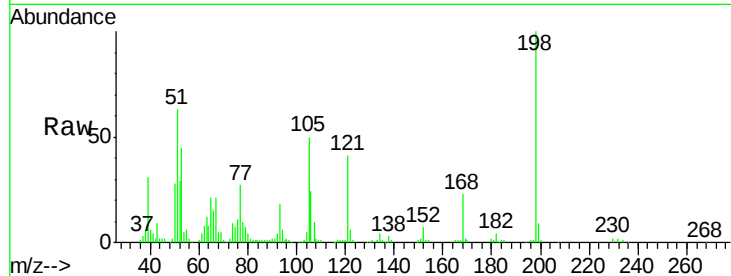
#65
 4,6-Dinitro-2-methylphenol
 Concen: 28.723 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 CL-03-051719MSD

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	116769		
51	63.4	28.0	68.0	
105	50.1	21.1	61.1	

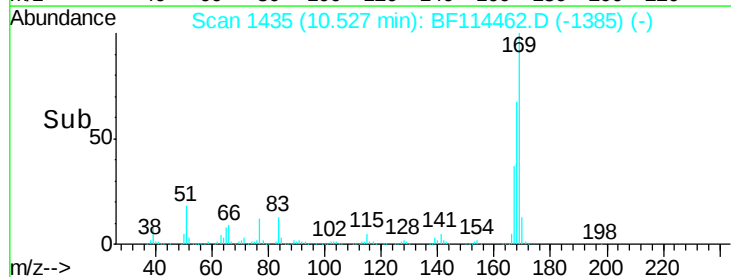
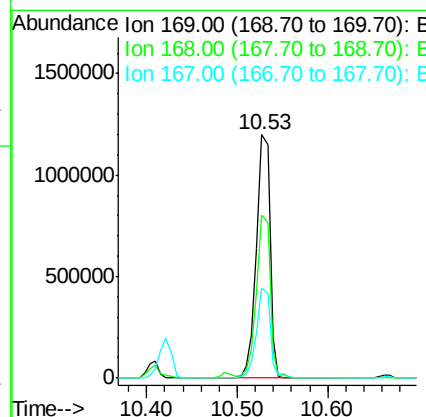
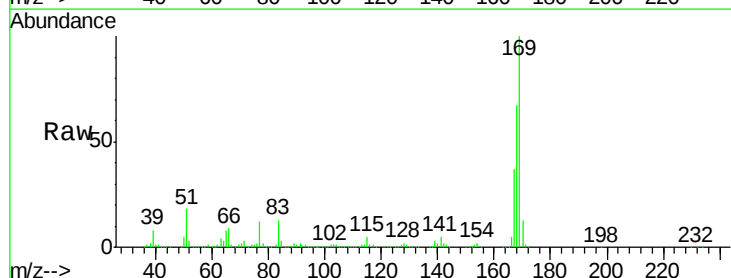
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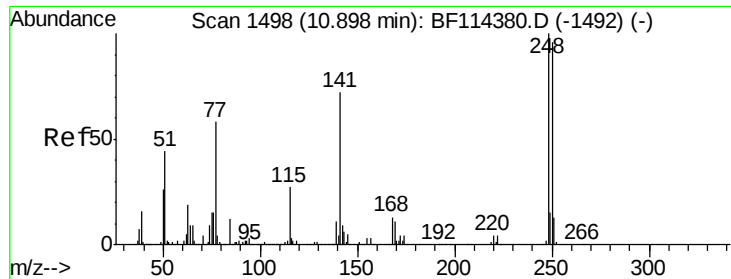
Sohil
 5/23/2019 8:15:47 AM



#66
 n-Nitrosodiphenylamine
 Concen: 48.126 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1235747		
168	66.9	54.2	81.2	
167	36.7	29.8	44.8	





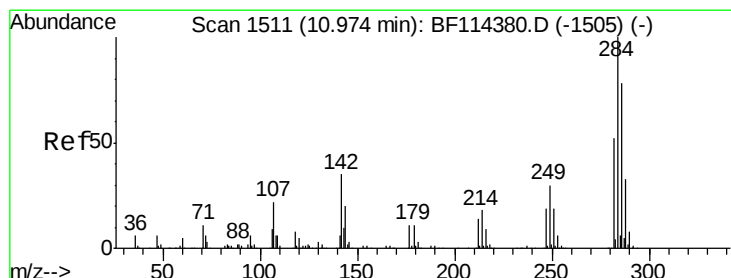
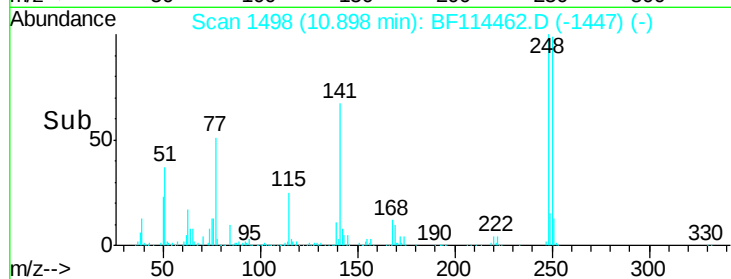
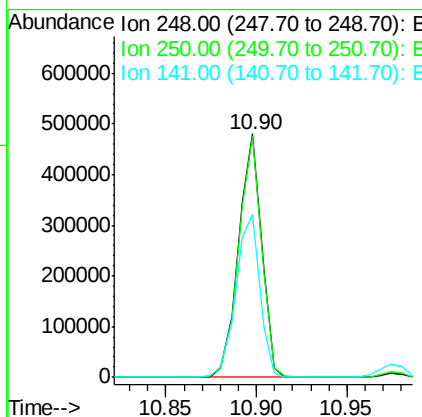
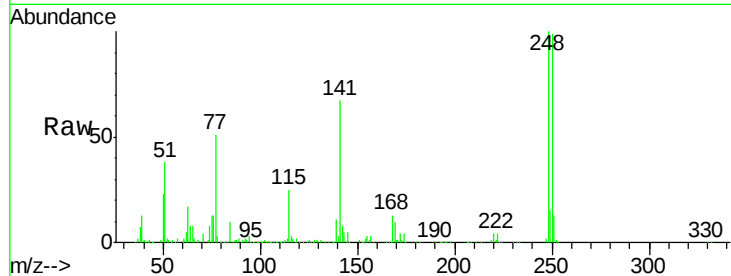
#67
 4-Bromophenyl-phenylether
 Concen: 45.530 ng
 RT: 10.90 min Scan# 1498
 Delta R.T. 0.00 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 CL-03-051719MSD

Tgt Ion	Ratio	Lower	Upper
248	100		
250	98.8	77.4	116.2
141	66.8	55.6	83.4

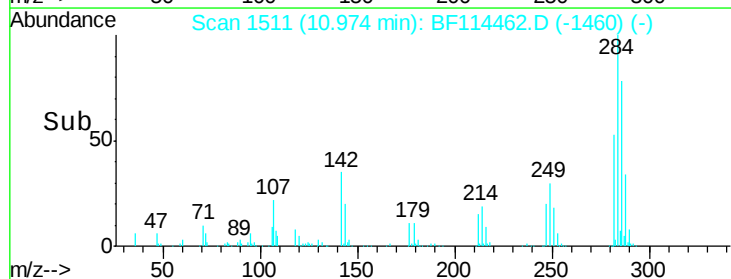
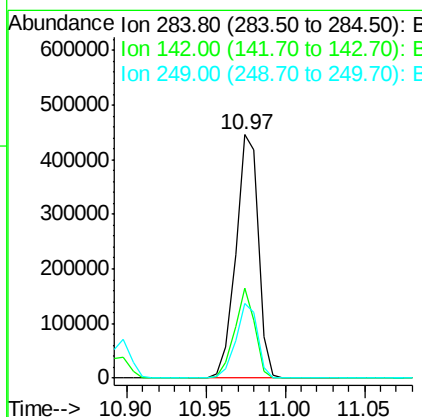
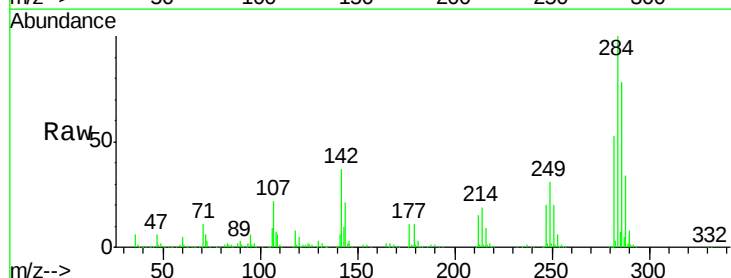
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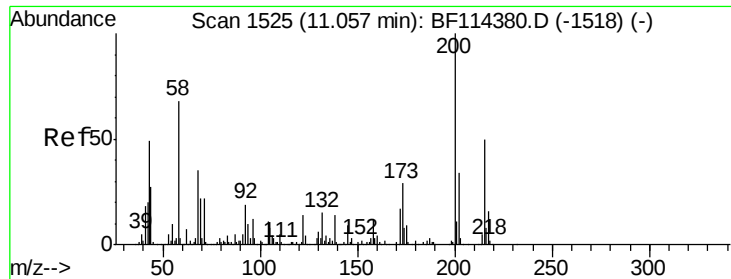
Sohil
 5/23/2019 8:15:47 AM



#68
 Hexachlorobenzene
 Concen: 42.534 ng
 RT: 10.97 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.8	28.4	42.6
249	30.9	25.2	37.8





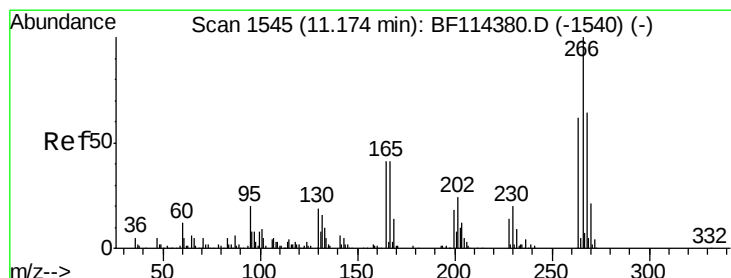
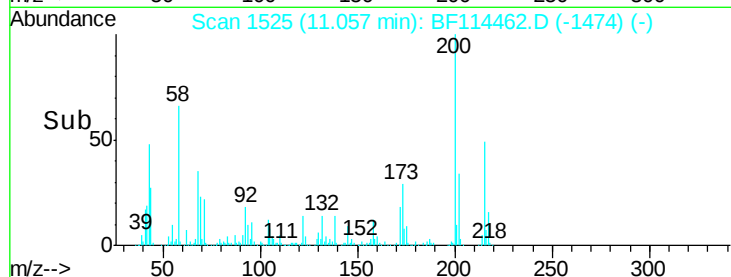
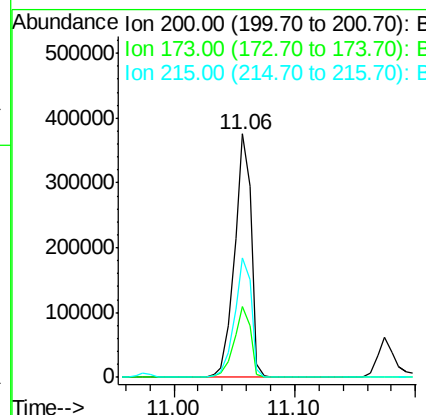
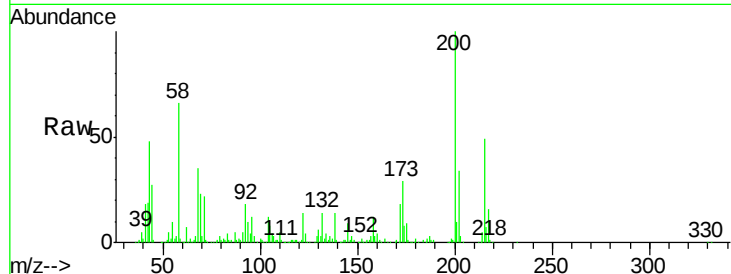
#69
Atrazine
Concen: 44.834 ng
RT: 11.06 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Instrument :
BNA_F
ClientSampleId :
CL-03-051719MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	28.8	8.9	48.9
215	49.0	30.7	70.7

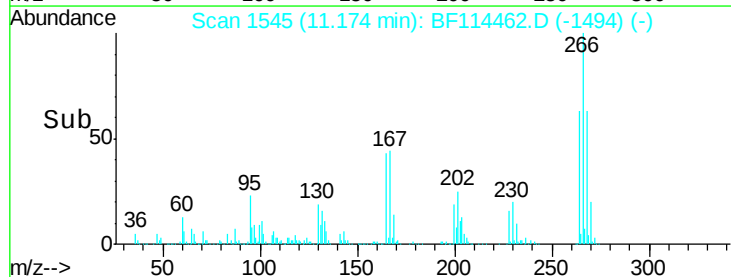
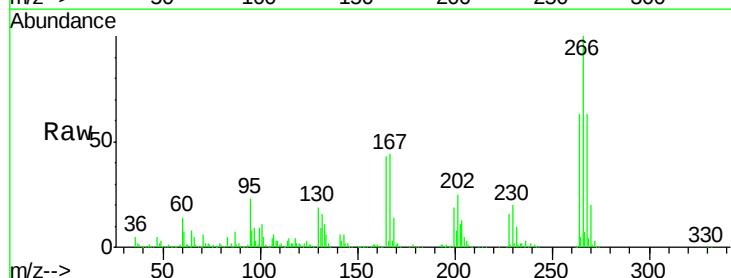
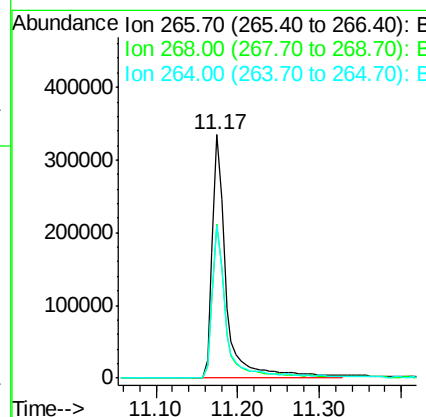
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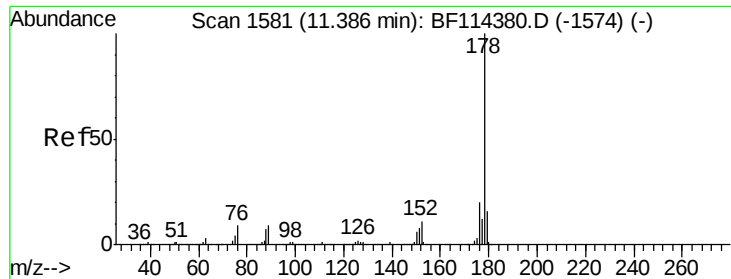
Sohil
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#70
Pentachlorophenol
Concen: 83.016 ng
RT: 11.17 min Scan# 1545
Delta R.T. 0.00 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	63.4	51.1	76.7
264	62.8	51.1	76.7





#71

Phenanthrene

Concen: 44.669 ng

RT: 11.39 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Instrument :

BNA_F

ClientSampleId :

CL-03-051719MSD

Tgt Ion:178 Resp: 1838593

Ion Ratio Lower Upper

178 100

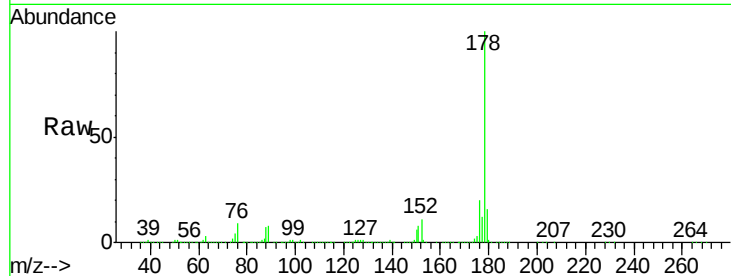
176 20.2 16.4 24.6

179 16.0 13.2 19.8

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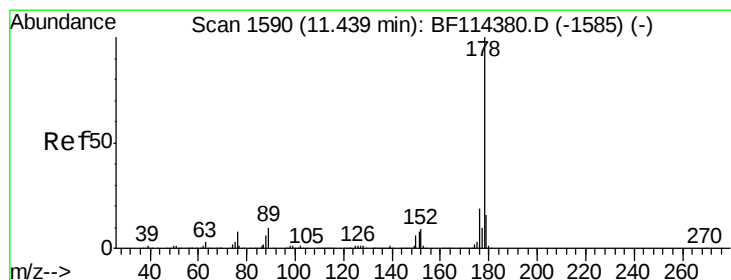
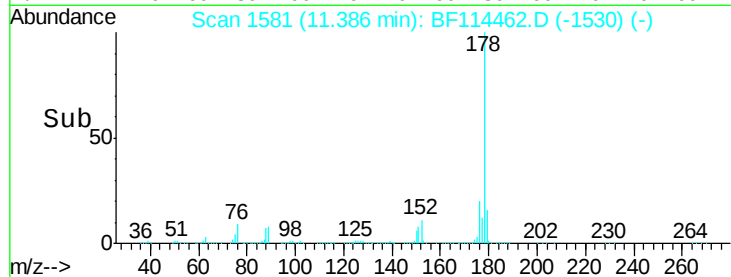
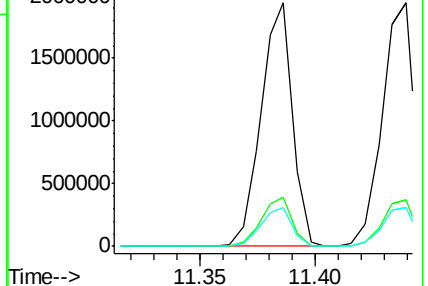
5/23/2019 8:15:47 AM



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: 45.686 ng

RT: 11.44 min Scan# 1590

Delta R.T. 0.00 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Tgt Ion:178 Resp: 1888787

Ion Ratio Lower Upper

178 100

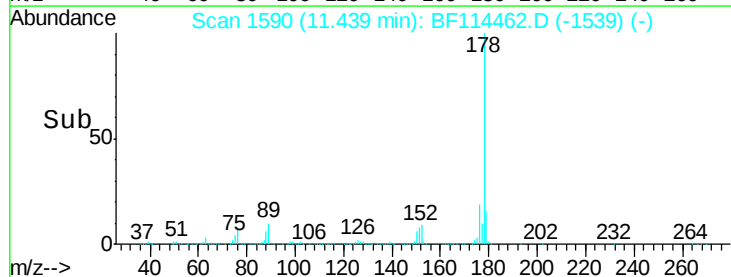
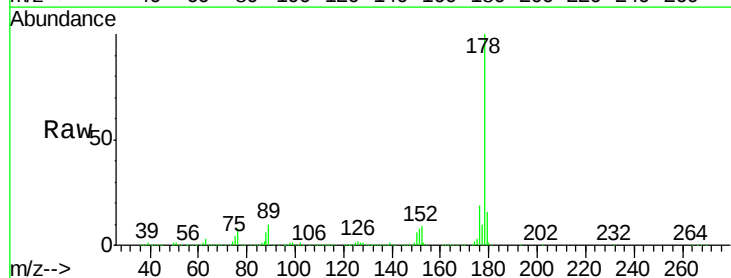
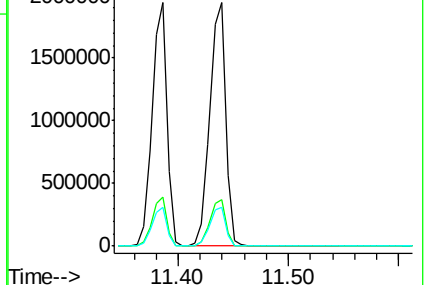
176 19.3 15.8 23.8

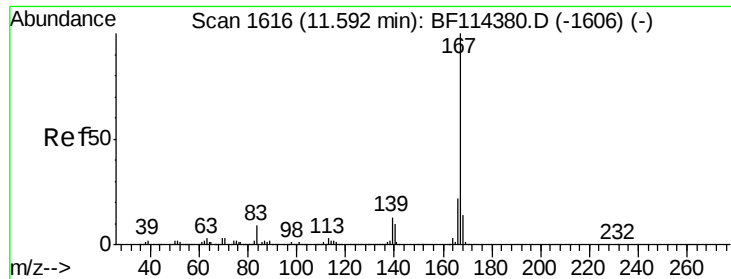
179 16.0 13.0 19.4

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





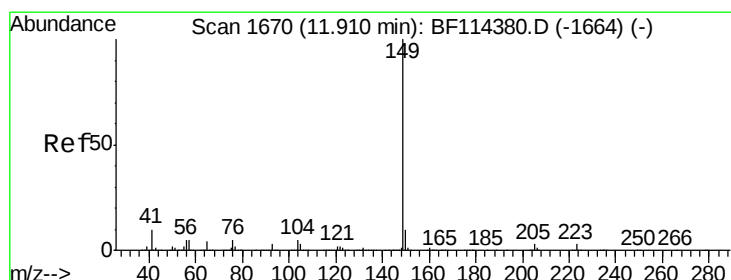
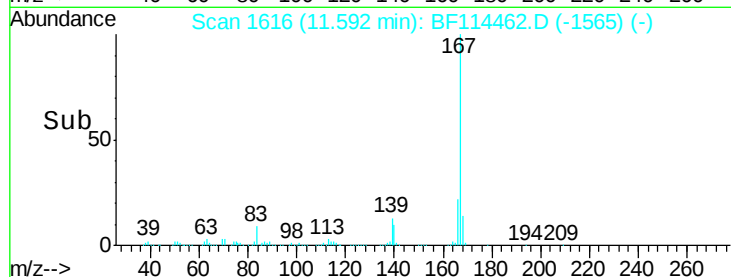
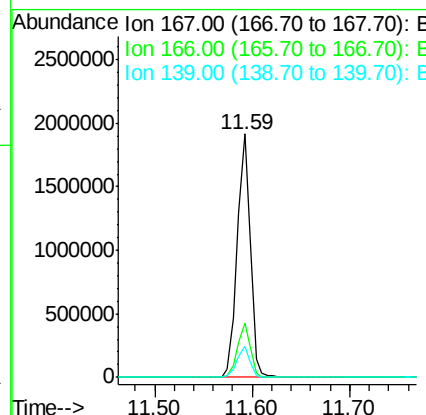
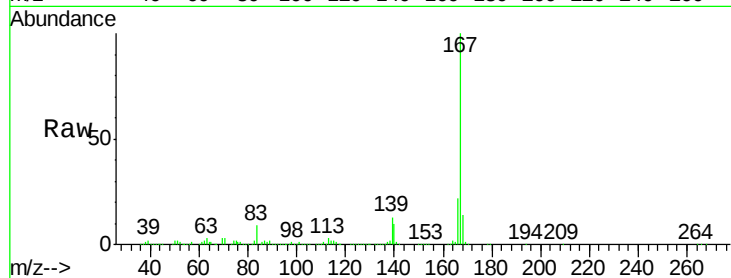
#73
 Carbazole
 Concen: 45.605 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 CL-03-051719MSD

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.2	27.2
139	13.0	10.6	16.0

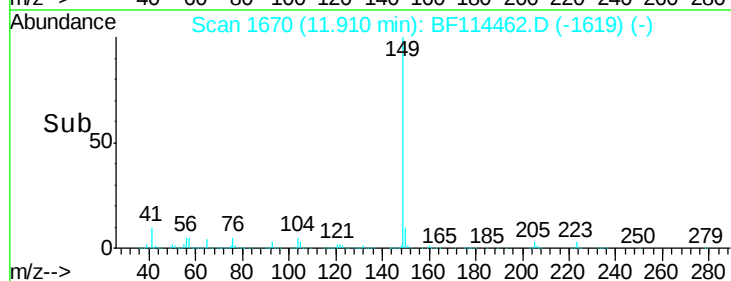
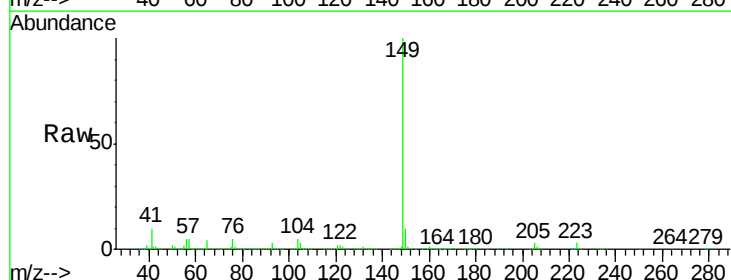
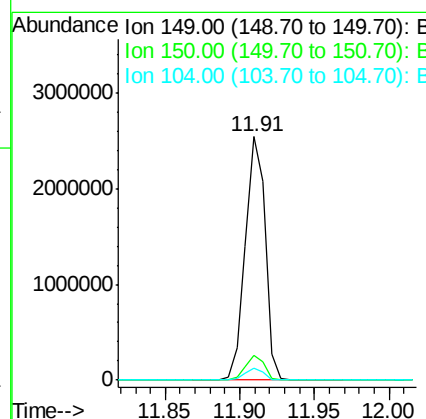
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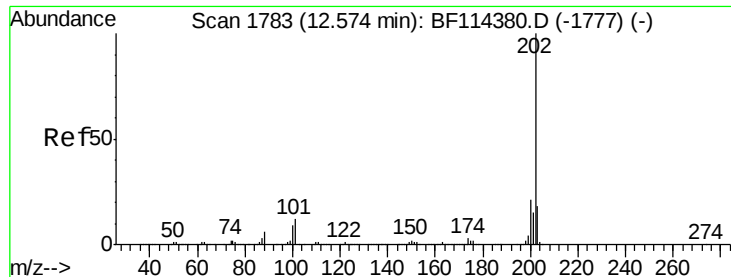
Sohil
 5/23/2019 8:15:47 AM



#74
 Di-n-butylphthalate
 Concen: 52.079 ng
 RT: 11.91 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.7	11.5
104	5.0	3.6	5.4





#75

Fluoranthene

Concen: 40.640 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Instrument :

BNA_F

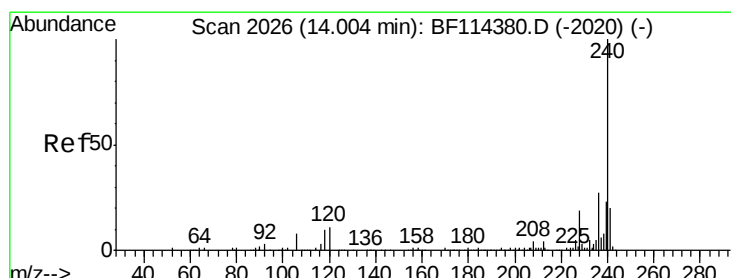
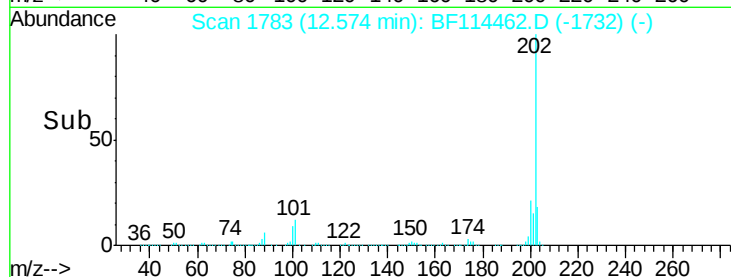
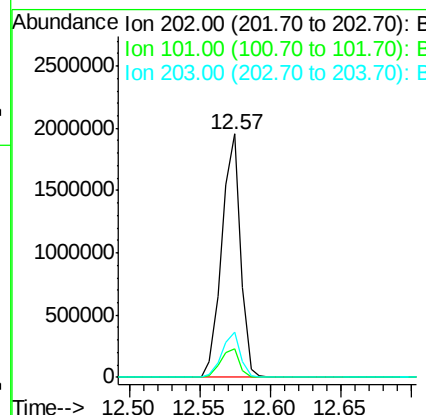
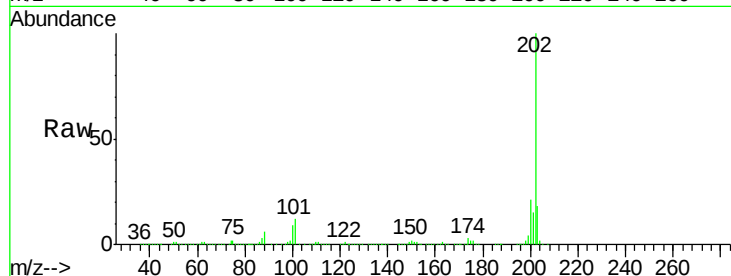
ClientSampleId :

CL-03-051719MSD

Tgt Ion:	202	Resp:	1801377
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	31.0
203	18.5	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

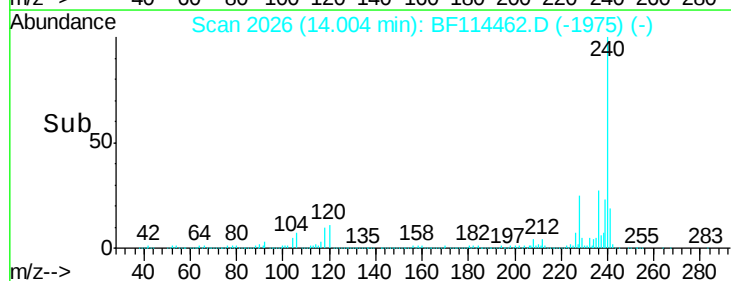
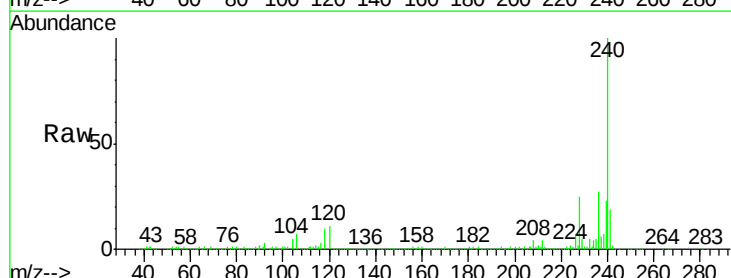
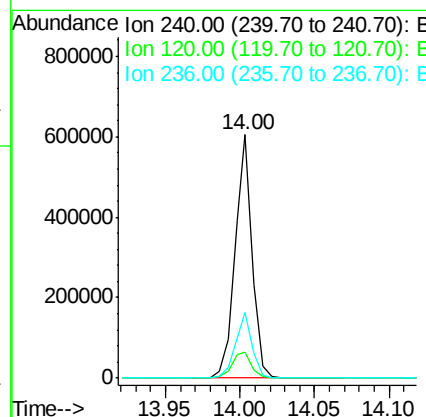
RT: 14.00 min Scan# 2026

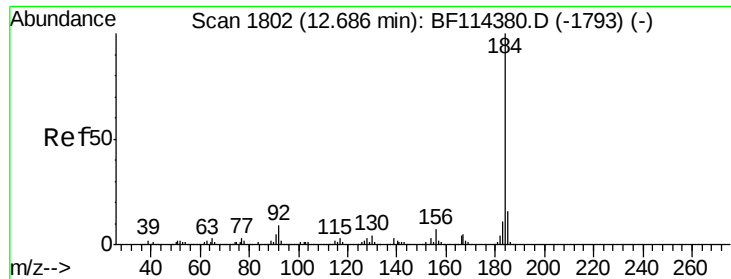
Delta R.T. 0.00 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Tgt Ion:	240	Resp:	488755
Ion Ratio	Lower	Upper	
240	100		
120	10.8	8.3	12.5
236	27.2	20.8	31.2





#77

Benzidine

Concen: 2.997 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.01 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Instrument :

BNA_F

ClientSampleId :

CL-03-051719MSD

Tgt Ion:184 Resp: 65750

Ion Ratio Lower Upper

184 100

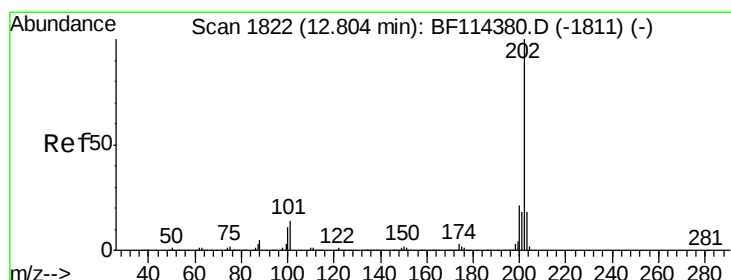
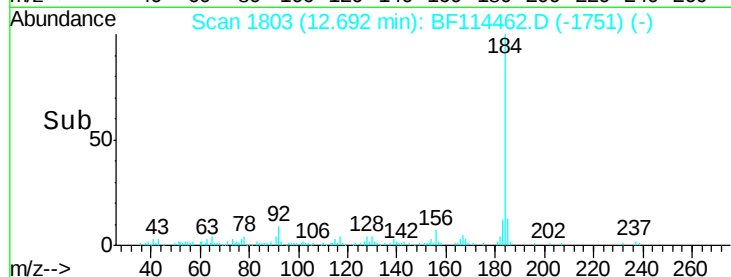
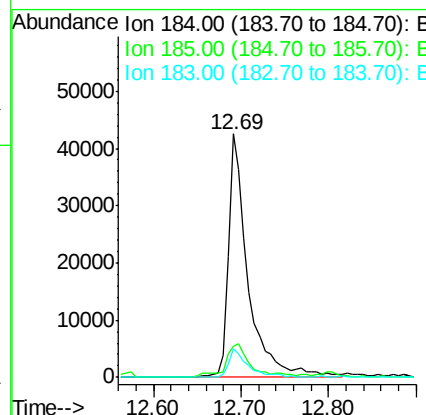
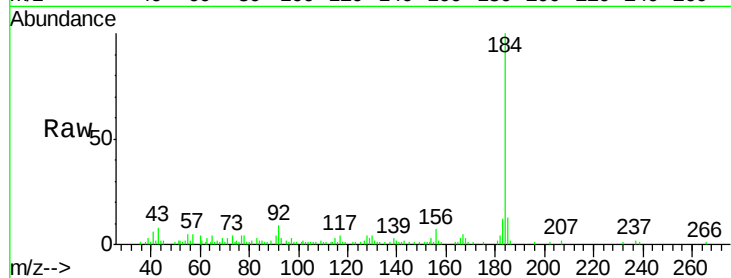
185 12.8 13.6 20.4#

183 11.5 9.2 13.8

Manual Integrations
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#78

Pyrene

Concen: 45.458 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

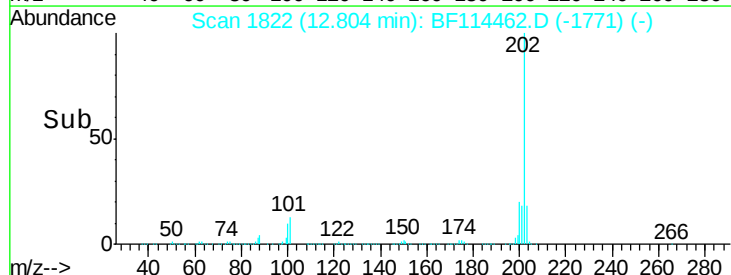
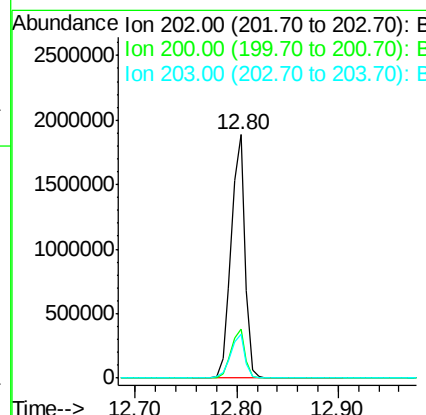
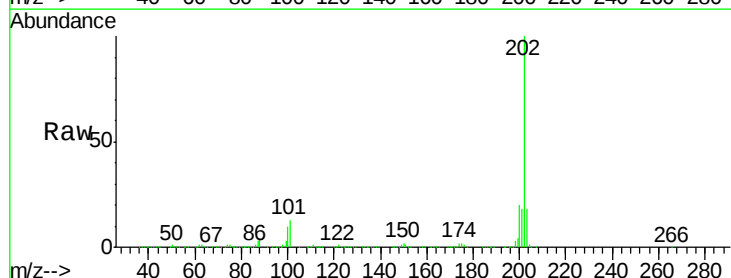
Tgt Ion:202 Resp: 1787332

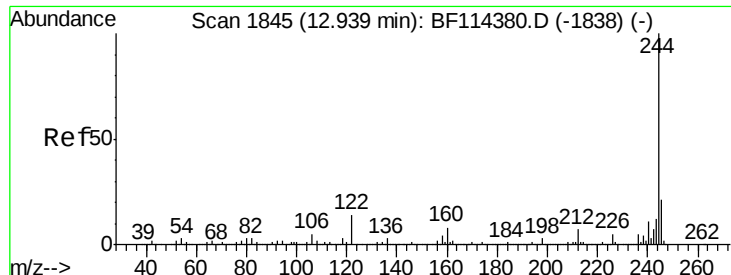
Ion Ratio Lower Upper

202 100

200 20.4 16.9 25.3

203 18.1 14.5 21.7





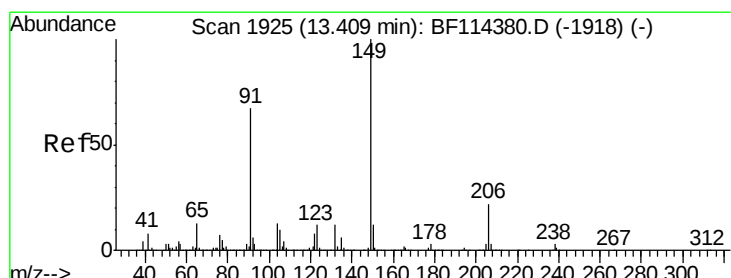
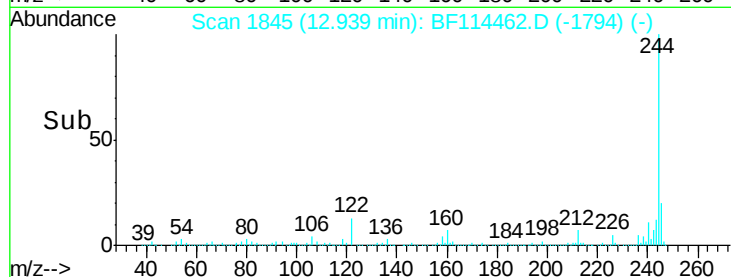
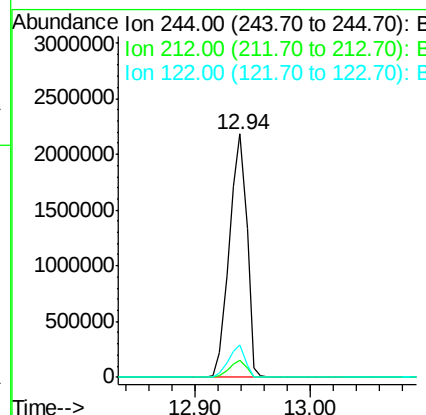
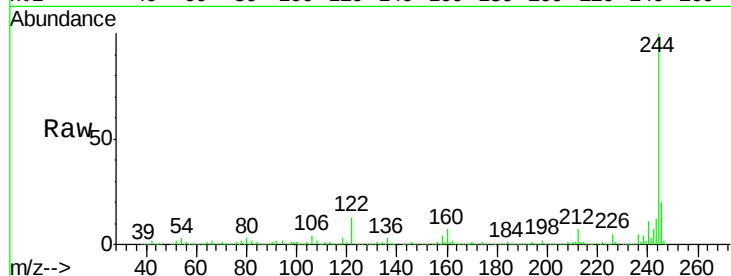
#79
 Terphenyl-d14
 Concen: 96.770 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Instrument :
 BNA_F
 ClientSampleId :
 CL-03-051719MSD

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	13.1	9.4	14.2

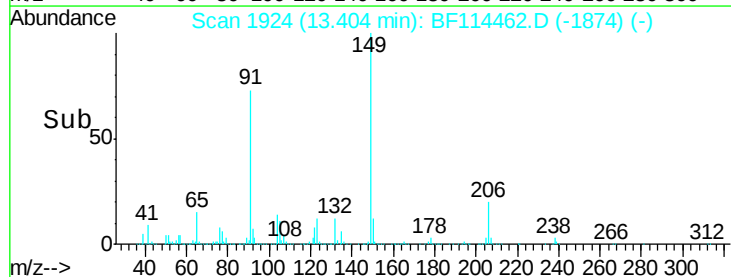
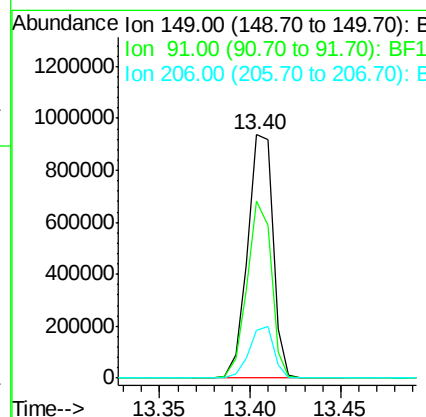
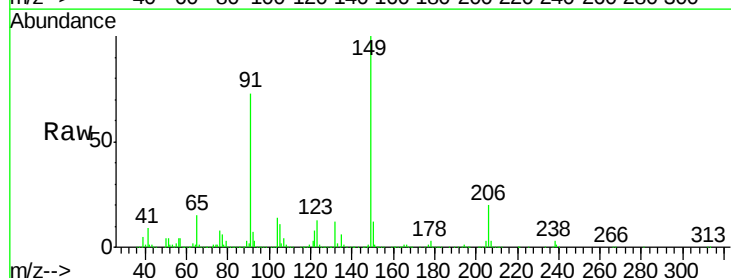
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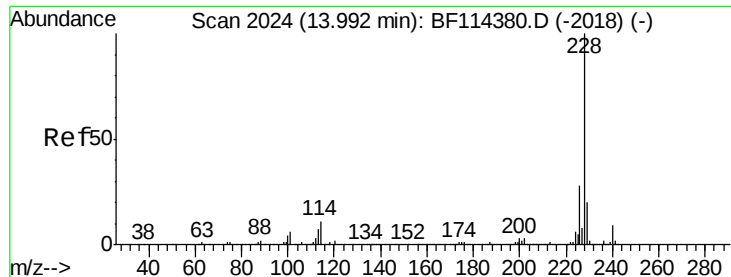
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#80
 Butylbenzylphthalate
 Concen: 55.297 ng
 RT: 13.40 min Scan# 1924
 Delta R.T. -0.01 min
 Lab File: BF114462.D
 Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Lower	Upper
149	100		
91	72.8	55.0	82.4
206	19.7	16.9	25.3





#81

Benzo(a)anthracene

Concen: 45.136 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Instrument :

BNA_F

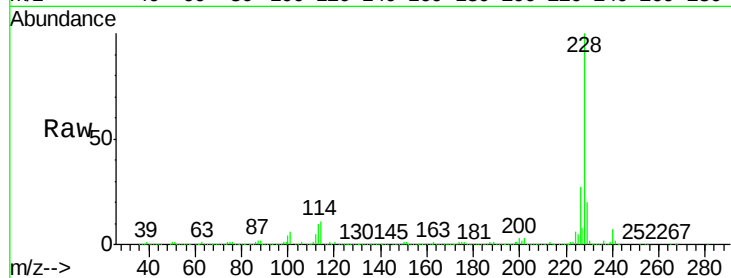
ClientSampleId :

CL-03-051719MSD

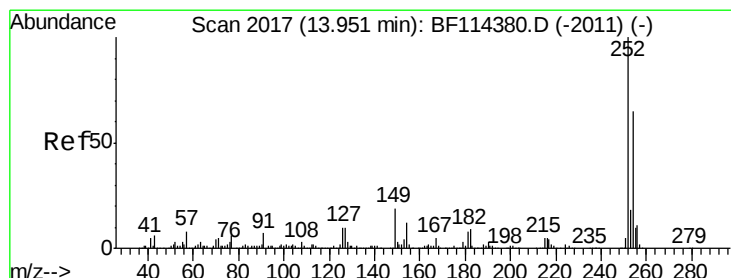
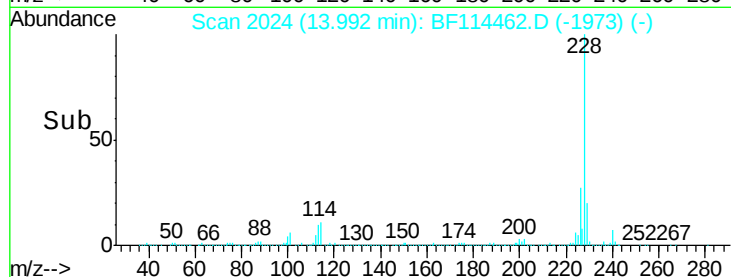
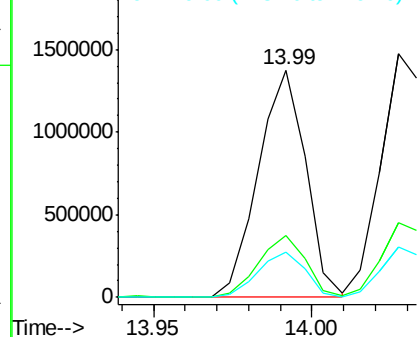
Tgt Ion:	228	Resp:	1426858
Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.2	33.2
229	20.2	16.4	24.6

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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: 35.305 ng

RT: 13.94 min Scan# 2016

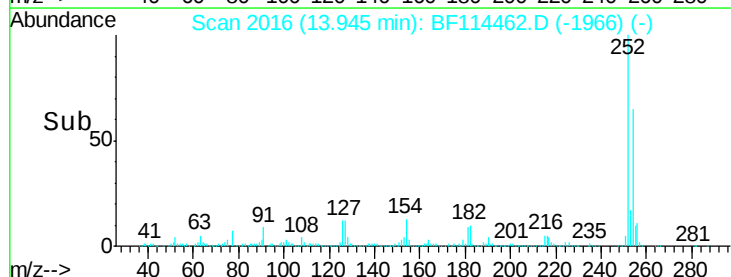
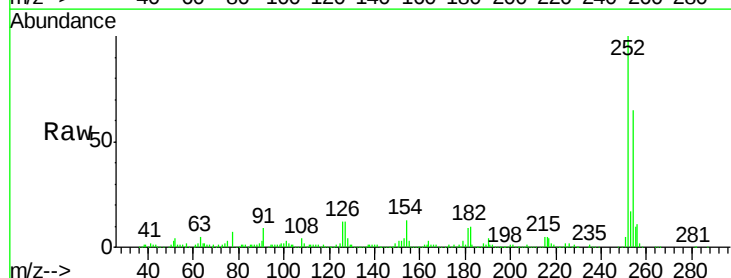
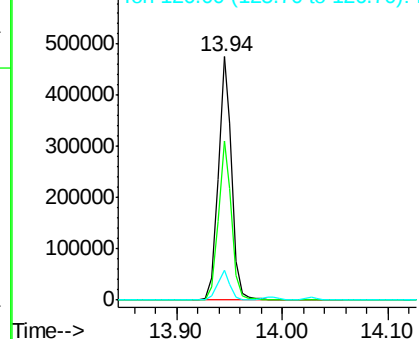
Delta R.T. -0.01 min

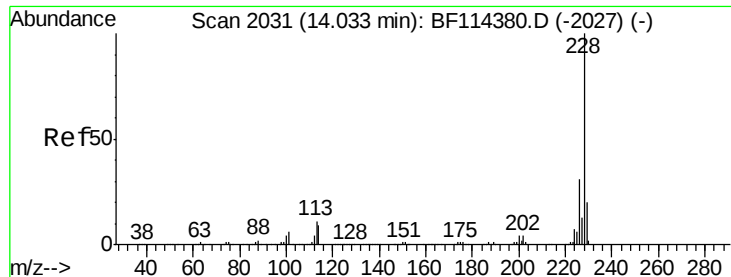
Lab File: BF114462.D

Acq: 21 May 2019 18:03

Tgt Ion:	252	Resp:	432955
Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.9	77.9
126	12.4	7.9	11.9#

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





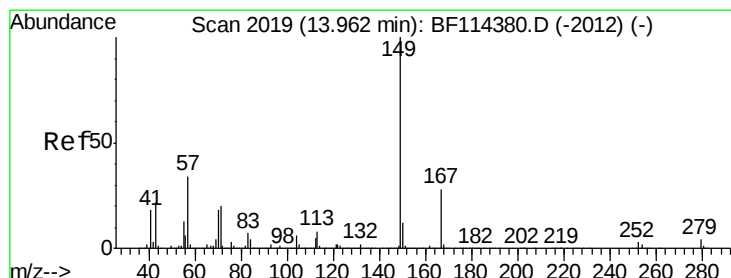
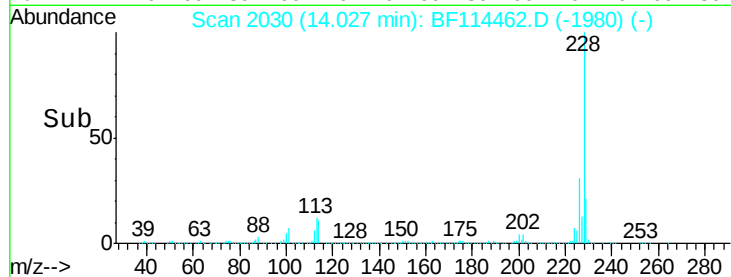
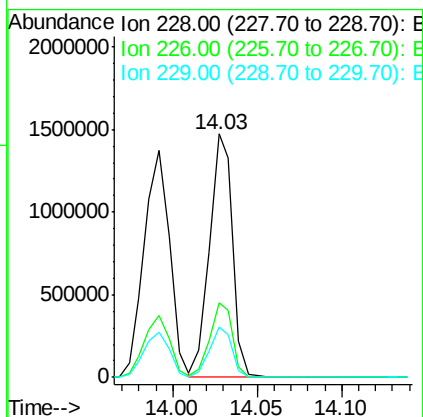
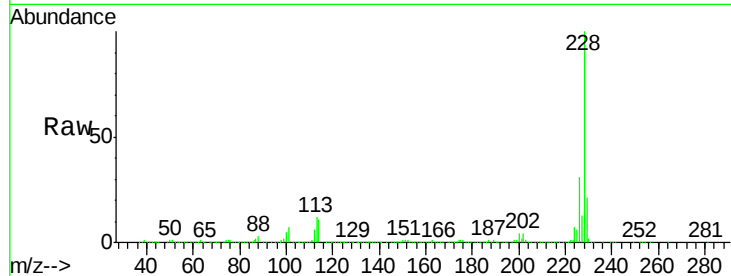
#83
Chrysene
Concen: 45.187 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Instrument :
BNA_F
ClientSampleId :
CL-03-051719MSD

Tgt Ion:228 Resp: 1400297
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.6
229 20.6 17.0 25.6

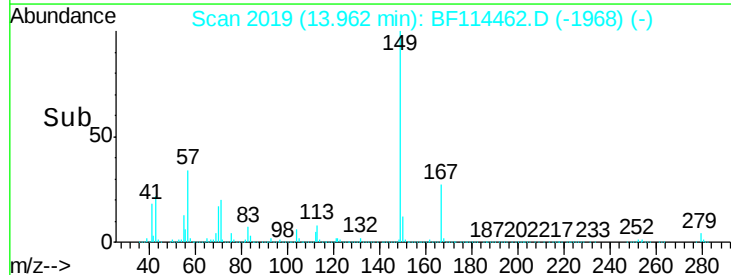
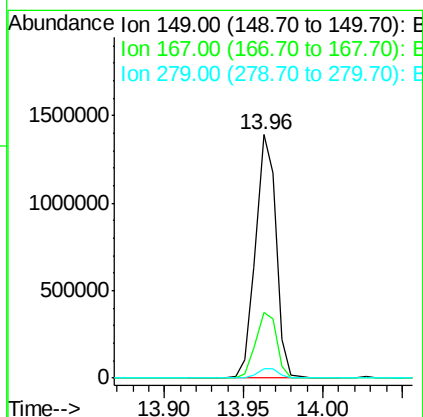
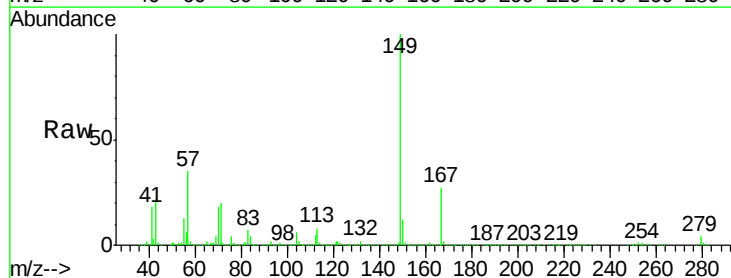
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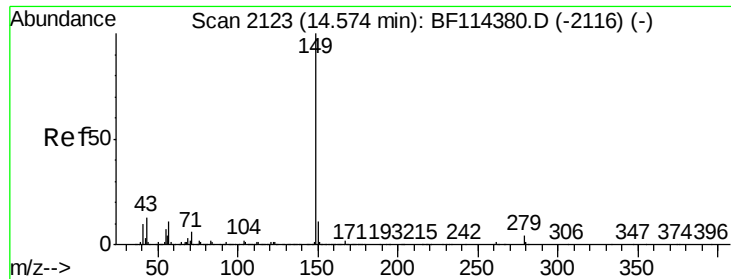
Sohil
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#84
Bis(2-ethylhexyl)phthalate
Concen: 57.926 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Tgt Ion:149 Resp: 1253777
Ion Ratio Lower Upper
149 100
167 27.2 22.6 33.8
279 3.6 3.0 4.6





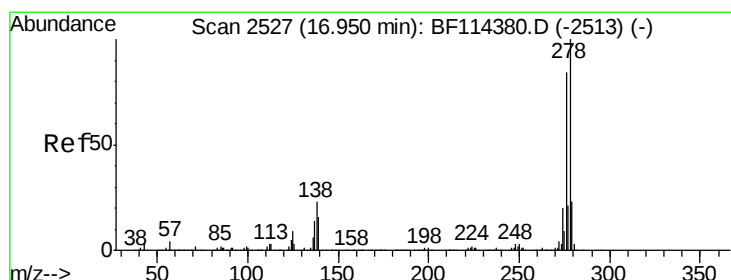
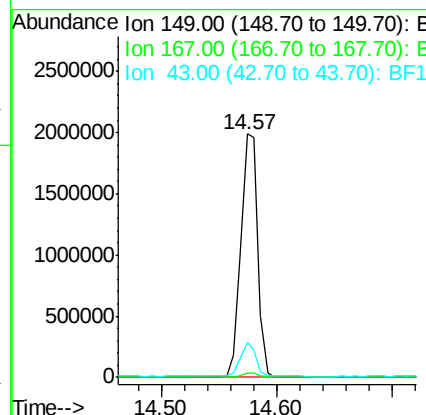
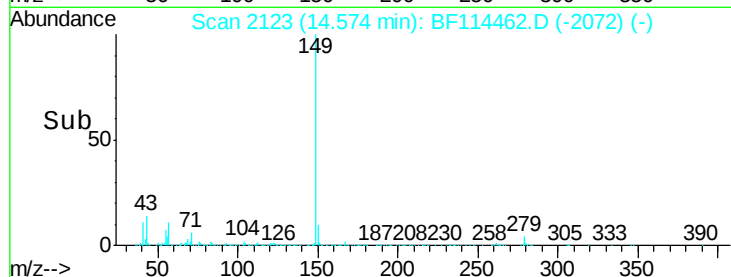
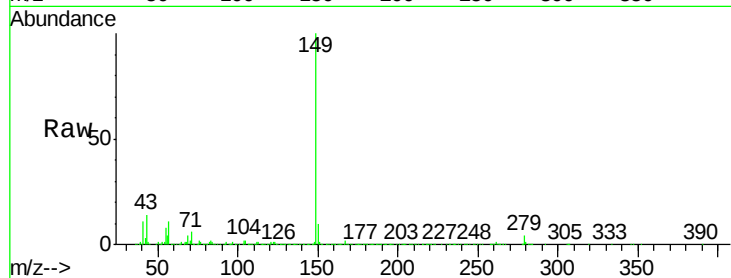
#85
Di-n-octyl phthalate
Concen: 56.995 ng
RT: 14.57 min Scan# 2123
Delta R.T. 0.00 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Instrument :
BNA_F
ClientSampleId :
CL-03-051719MSD

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.5	10.1	15.1

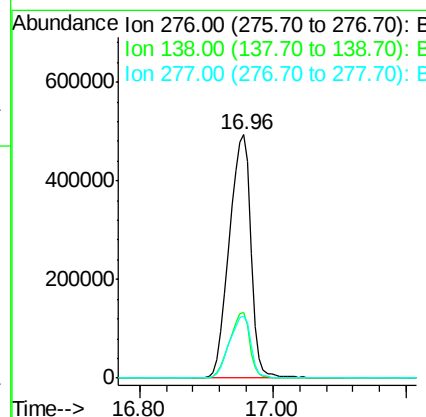
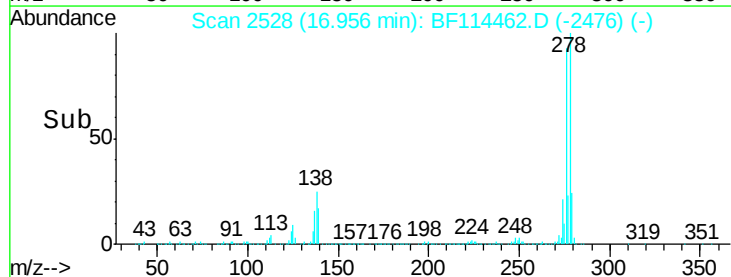
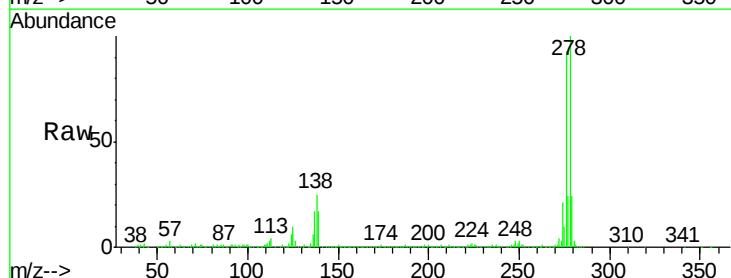
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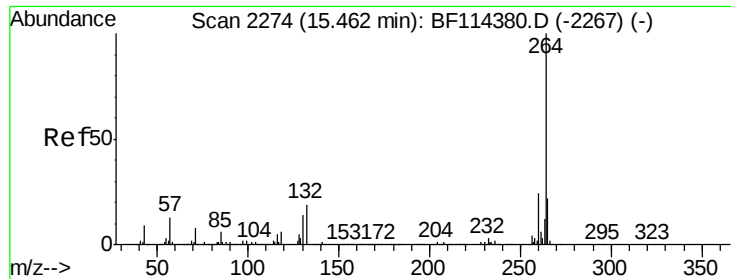
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 41.609 ng
RT: 16.96 min Scan# 2528
Delta R.T. 0.01 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	20.2	30.2
277	25.3	20.0	30.0





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.01 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Instrument :

BNA_F

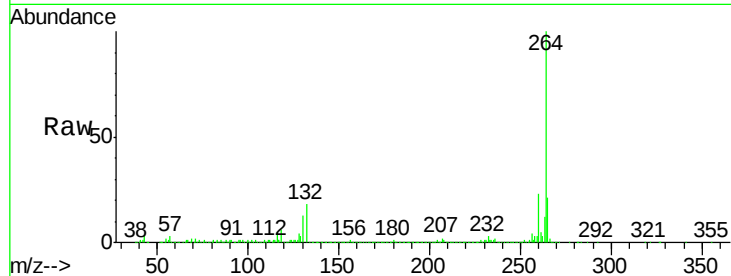
ClientSampleId :

CL-03-051719MSD

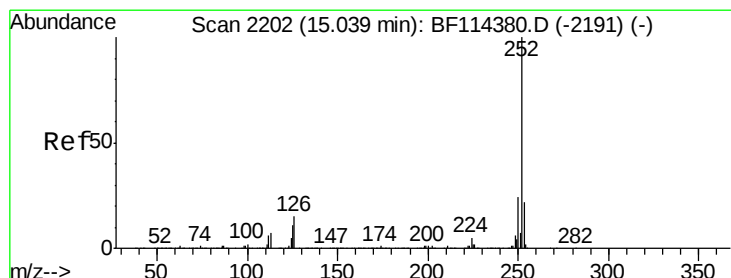
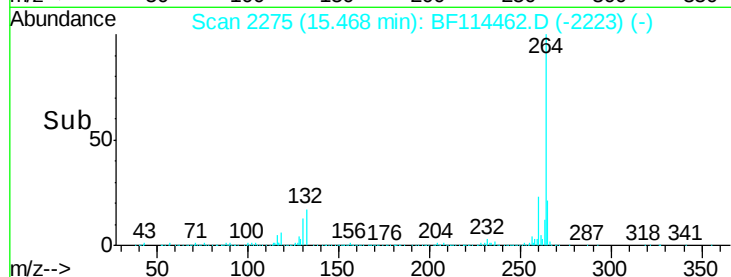
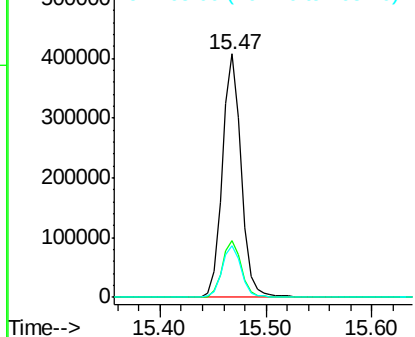
Tgt Ion:	264	Resp:	506131
Ion Ratio		Lower	Upper
264	100		
260	23.5	19.4	29.0
265	21.2	16.9	25.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 44.610 ng

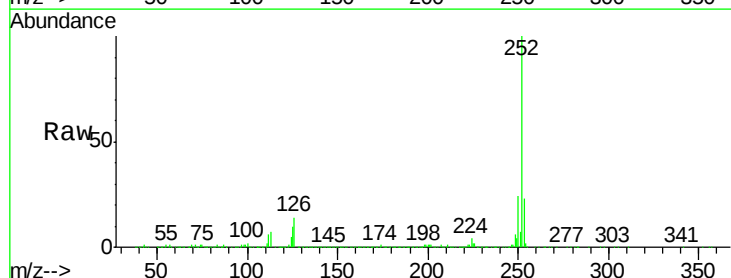
RT: 15.04 min Scan# 2203

Delta R.T. 0.01 min

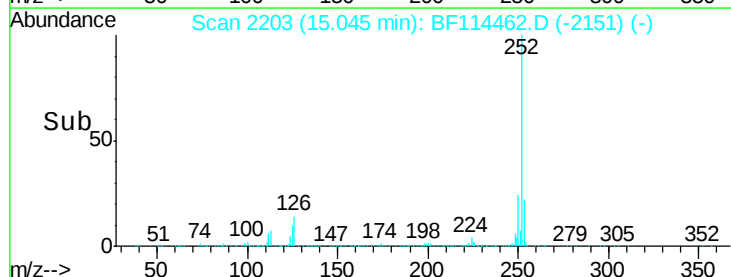
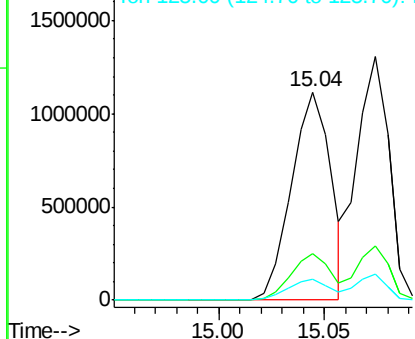
Lab File: BF114462.D

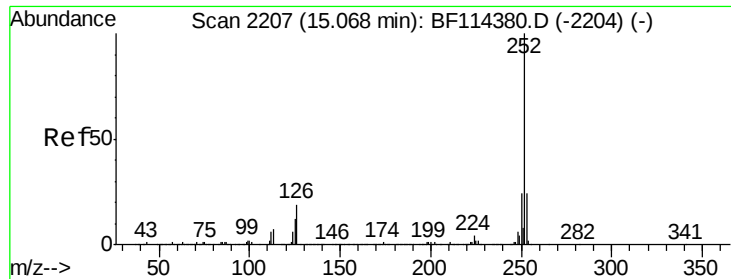
Acq: 21 May 2019 18:03

Tgt Ion:	252	Resp:	1446502
Ion Ratio		Lower	Upper
252	100		
253	22.5	17.8	26.8
125	10.3	8.3	12.5



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





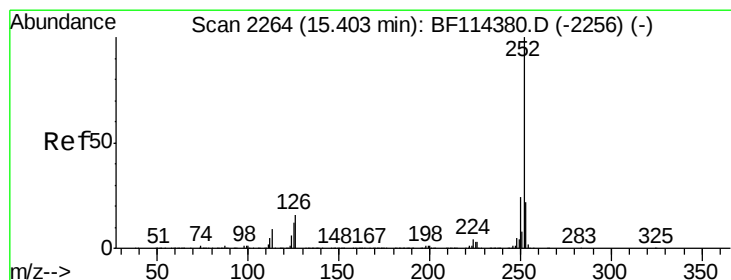
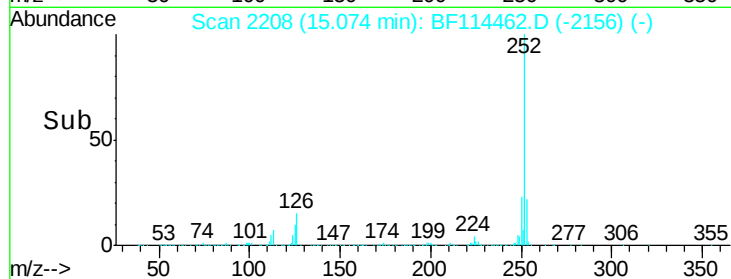
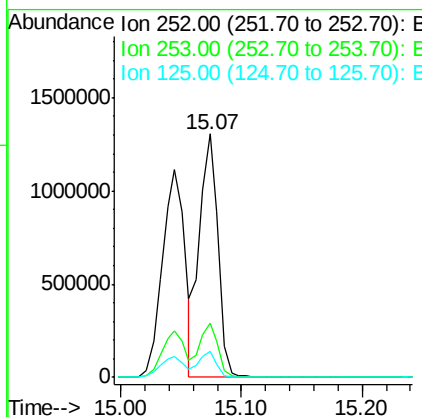
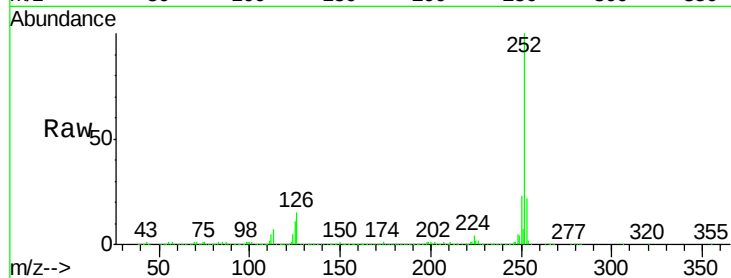
#89
Benzo(k)fluoranthene
Concen: 46.826 ng
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Instrument :
BNA_F
ClientSampleId :
CL-03-051719MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	10.6	8.6	13.0

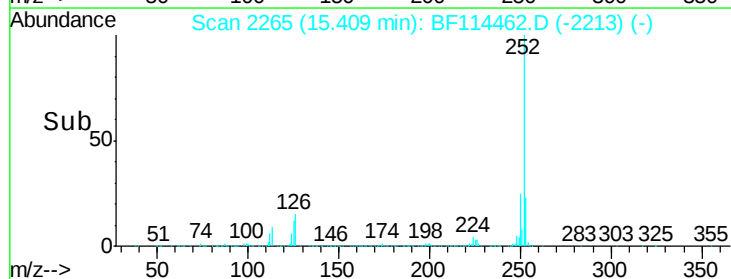
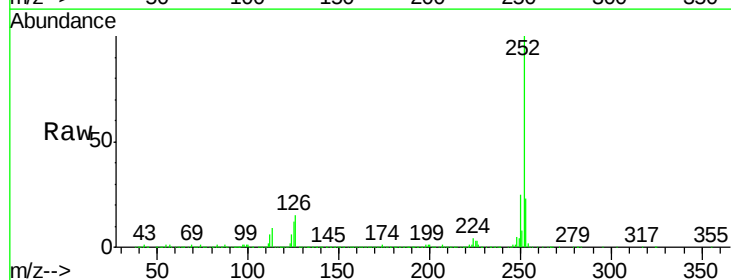
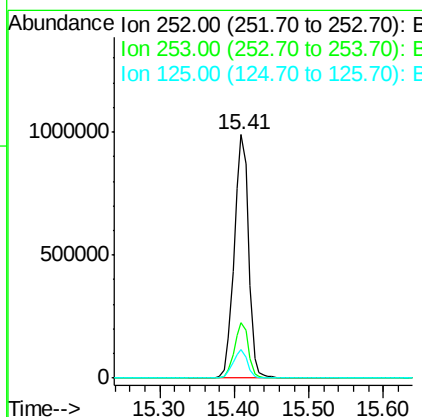
Manual Integrations
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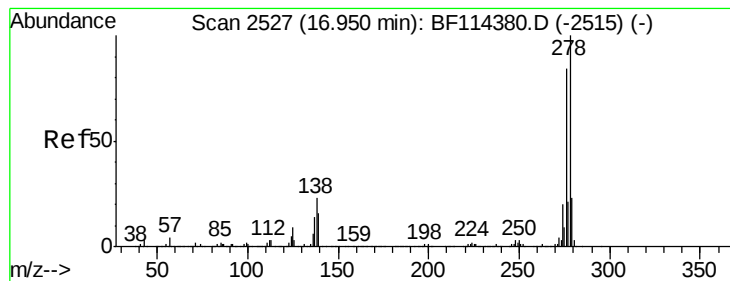
Sohil
5/23/2019 8:15:47 AM



#90
Benzo(a)pyrene
Concen: 46.866 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF114462.D
Acq: 21 May 2019 18:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	11.9	9.5	14.3





#91

Dibenzo(a,h)anthracene

Concen: 41.409 ng

RT: 16.96 min Scan# 2528

Delta R.T. 0.01 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Instrument :

BNA_F

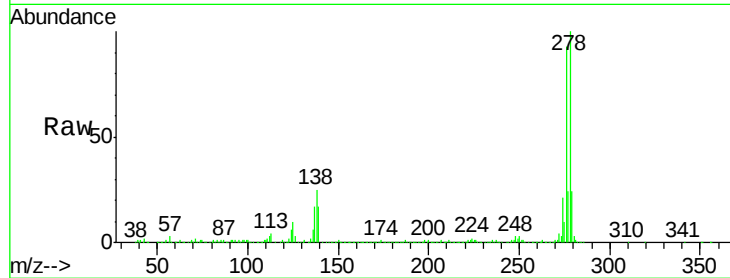
ClientSampleId :

CL-03-051719MSD

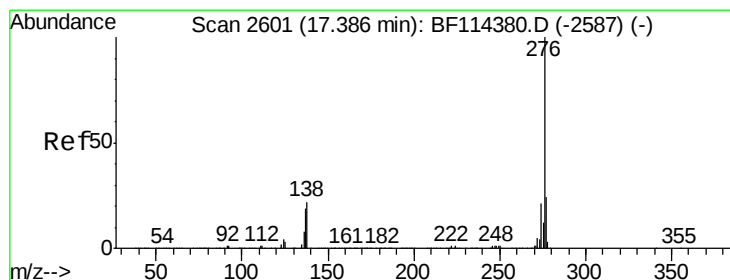
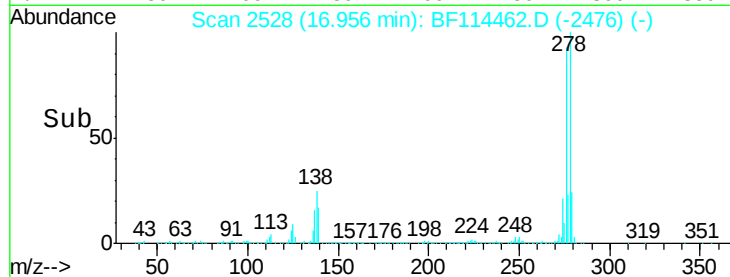
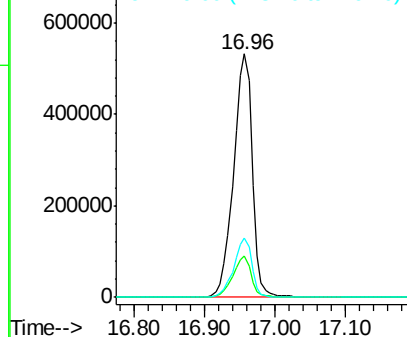
Tgt Ion:	278	Resp:	981943
Ion Ratio	Lower	Upper	
278	100		
139	17.1	13.5	20.3
279	24.4	19.0	28.6

Manual Integrations
APPROVED

Sohil
5/23/2019 8:15:47 AM



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



#92

Benzo(g,h,i)perylene

Concen: 39.002 ng

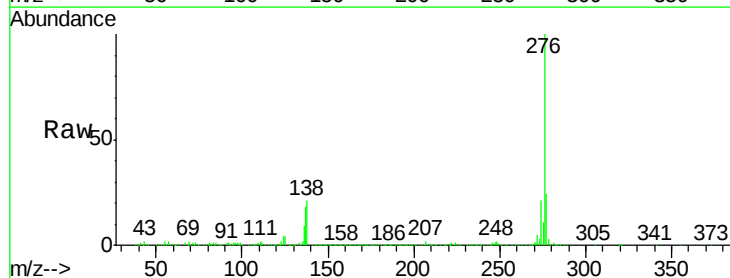
RT: 17.39 min Scan# 2602

Delta R.T. 0.01 min

Lab File: BF114462.D

Acq: 21 May 2019 18:03

Tgt Ion:	276	Resp:	926844
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.0	28.4
138	21.0	17.8	26.6



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

