

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071520\
 Data File : BF120873.D
 Acq On : 15 Jul 2020 15:12
 Operator : JU/CG
 Sample : L3289-02MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MSD

Quant Time: Jul 15 16:02:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 14:16:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	185412	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	729173	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	372740	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	699449	20.00	ng	0.00
76) Chrysene-d12	14.00	240	503600	20.00	ng	0.00
86) Perylene-d12	15.45	264	480984	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	765247	63.71	ng	0.01
7) Phenol-d6	6.46	99	960530	62.62	ng	0.00
23) Nitrobenzene-d5	7.39	82	586429	46.60	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	279224	74.56	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1134531	46.05	ng	0.00
79) Terphenyl-d14	12.94	244	1164409	45.27	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.63	88	235934	43.001	ng	95
3) Pyridine	3.37	79	646202	42.998	ng	97
4) n-Nitrosodimethylamine	3.32	42	299710	39.864	ng	# 79
6) Aniline	6.49	93	659512	33.479	ng	99
8) 2-Chlorophenol	6.62	128	613977	48.012	ng	97
9) Benzaldehyde	6.38	77	171938	18.847	ng	92
10) Phenol	6.47	94	764201	48.431	ng	97
11) bis(2-Chloroethyl)ether	6.57	93	569457	44.350	ng	97
12) 1,3-Dichlorobenzene	6.77	146	614221	43.637	ng	97
13) 1,4-Dichlorobenzene	6.85	146	610935	43.335	ng	99
14) 1,2-Dichlorobenzene	7.00	146	601191	44.822	ng	98
15) Benzyl Alcohol	6.97	79	481049	41.740	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.11	45	802583	40.073	ng	98
17) 2-Methylphenol	7.09	107	482789	42.202	ng	98
18) Hexachloroethane	7.35	117	232355	43.850	ng	96
19) n-Nitroso-di-n-propylamine	7.25	70	360188	39.000	ng	91
20) 3+4-Methylphenols	7.24	107	520637	36.951	ng	# 81
22) Acetophenone	7.25	105	687373	37.925	ng	95
24) Nitrobenzene	7.42	77	610812	43.225	ng	92
25) Isophorone	7.66	82	1112297	40.981	ng	100
26) 2-Nitrophenol	7.73	139	324758	54.116	ng	# 84
27) 2,4-Dimethylphenol	7.77	122	506278	46.728	ng	97
28) bis(2-Chloroethoxy)methane	7.87	93	703201	43.776	ng	100
29) 2,4-Dichlorophenol	7.97	162	488914	45.202	ng	98
30) 1,2,4-Trichlorobenzene	8.06	180	530432	43.662	ng	100
31) Naphthalene	8.14	128	1631380	41.864	ng	100
32) Benzoic acid	7.90	122	370070	48.278	ng	89
33) 4-Chloroaniline	8.18	127	343796	20.791	ng	98
34) Hexachlorobutadiene	8.26	225	300824	41.172	ng	100
35) Caprolactam	8.62	113	45637	14.480	ng	88
36) 4-Chloro-3-methylphenol	8.67	107	508413	45.187	ng	93
37) 2-Methylnaphthalene	8.83	142	1106191	43.667	ng	98
38) 1-Methylnaphthalene	8.93	142	1049192	44.216	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	461107	40.932	ng	100

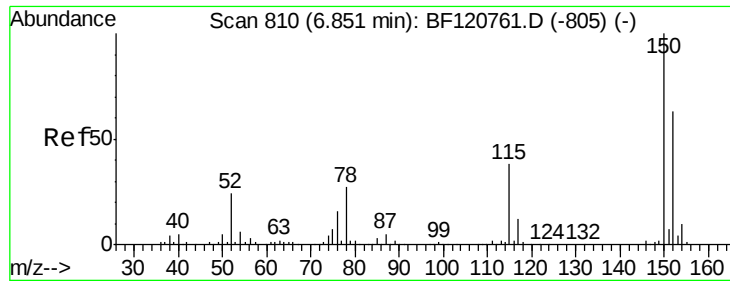
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071520\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	527141	79.200	ng	99
43) 2,4,6-Trichlorophenol	9.11	196	357452	46.566	ng	99
44) 2,4,5-Trichlorophenol	9.15	196	379350	44.531	ng	98
46) 1,1'-Biphenyl	9.30	154	1263029	42.008	ng	99
47) 2-Chloronaphthalene	9.32	162	1019434	42.323	ng	96
48) 2-Nitroaniline	9.42	65	319149	44.455	ng	88
49) Acenaphthylene	9.73	152	1598370	42.326	ng	99
50) Dimethylphthalate	9.60	163	1346307	49.514	ng	100
51) 2,6-Dinitrotoluene	9.66	165	273058	50.410	ng #	83
52) Acenaphthene	9.91	154	1087562	46.422	ng	99
53) 3-Nitroaniline	9.82	138	179396	28.011	ng	93
54) 2,4-Dinitrophenol	9.93	184	256493	115.804	ng #	82
55) Dibenzofuran	10.08	168	1426390	42.238	ng	97
56) 4-Nitrophenol	9.99	139	495243	98.811	ng	83
57) 2,4-Dinitrotoluene	10.06	165	359431	53.052	ng #	78
58) Fluorene	10.42	166	1004326	39.956	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.20	232	312706	49.328	ng	97
60) Diethylphthalate	10.30	149	1180179	41.666	ng	98
61) 4-Chlorophenyl-phenylether	10.42	204	487118	38.550	ng	97
62) 4-Nitroaniline	10.44	138	288349	49.912	ng	86
63) Azobenzene	10.57	77	1116169	38.522	ng	95
65) 4,6-Dinitro-2-methylphenol	10.47	198	179931	59.251	ng #	72
66) n-Nitrosodiphenylamine	10.53	169	992004	42.314	ng	99
67) 4-Bromophenyl-phenylether	10.90	248	336972	41.532	ng	98
68) Hexachlorobenzene	10.97	284	377662	44.358	ng #	91
69) Atrazine	11.06	200	288914	47.836	ng	98
70) Pentachlorophenol	11.16	266	419219	87.028	ng	100
71) Phenanthrene	11.39	178	1549574	40.831	ng	100
72) Anthracene	11.43	178	1628671	42.469	ng	100
73) Carbazole	11.59	167	1517692	41.182	ng	100
74) Di-n-butylphthalate	11.92	149	1794803	39.337	ng	99
75) Fluoranthene	12.57	202	1728606	42.757	ng	98
77) Benzidine	12.69	184	758318	53.348	ng	99
78) Pyrene	12.80	202	1765156	43.887	ng	99
80) Butylbenzylphthalate	13.42	149	771079	44.405	ng	95
81) Benzo(a)anthracene	13.99	228	1318520	40.844	ng	99
82) 3,3'-Dichlorobenzidine	13.95	252	392920	36.068	ng	98
83) Chrysene	14.03	228	1441789	43.786	ng	100
84) Bis(2-ethylhexyl)phthalate	13.98	149	883688	38.808	ng #	97
85) Di-n-octyl phthalate	14.59	149	1738185	43.148	ng	96
87) Indeno(1,2,3-cd)pyrene	16.90	276	1457892	47.256	ng	99
88) Benzo(b)fluoranthene	15.03	252	1420283	44.916	ng	98
89) Benzo(k)fluoranthene	15.06	252	1319564	42.886	ng	99
90) Benzo(a)pyrene	15.39	252	1245774	44.164	ng	99
91) Dibenzo(a,h)anthracene	16.92	278	1217167	47.336	ng	99
92) Benzo(g,h,i)perylene	17.34	276	1189828	50.630	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. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

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ClientSampleId :

IRON-1MSD

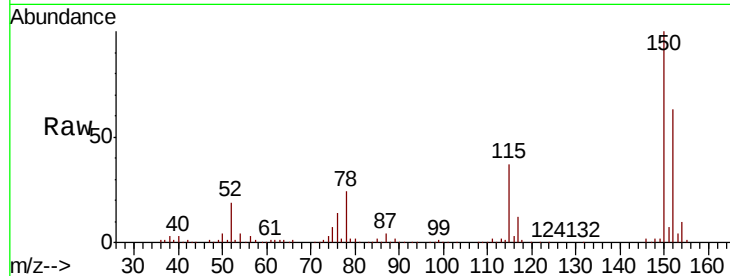
Tot Ion:152 Resp: 185412

Ion Ratio Lower Upper

152 100

150 158.1 126.1 189.1

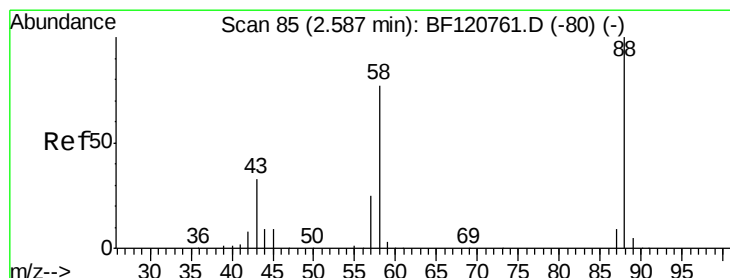
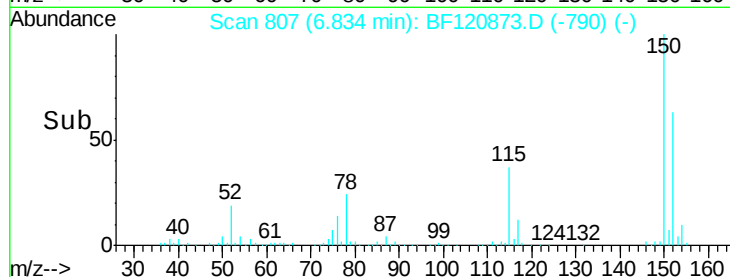
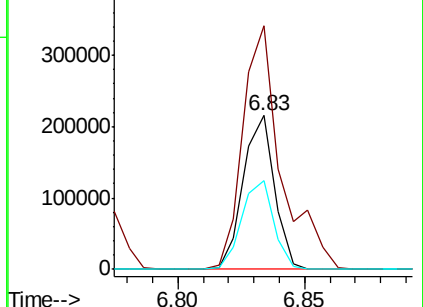
115 57.8 48.5 72.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 43.001 ng

RT: 2.63 min Scan# 92

Delta R.T. 0.06 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

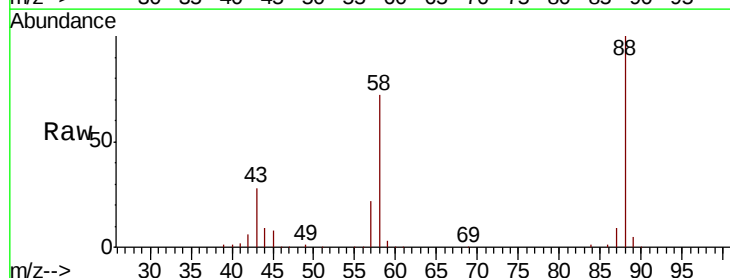
Tgt Ion: 88 Resp: 235934

Ion Ratio Lower Upper

88 100

58 72.1 60.4 90.6

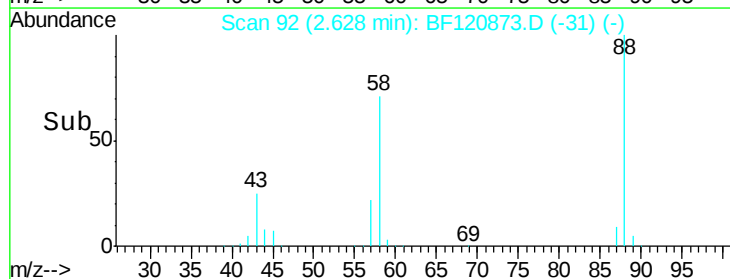
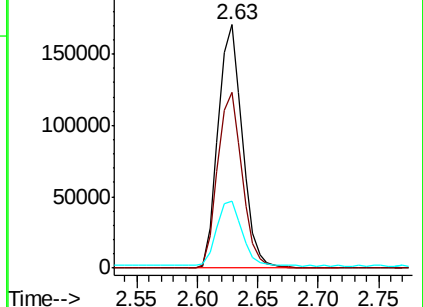
43 28.2 26.3 39.5

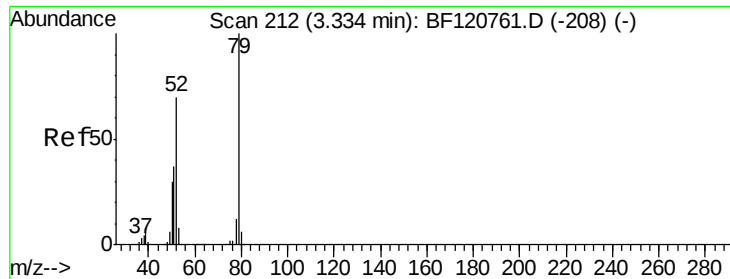


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 42.998 ng

RT: 3.37 min Scan# 218

Delta R.T. 0.06 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Instrument :

BNA_F

ClientSampleId :

IRON-1MSD

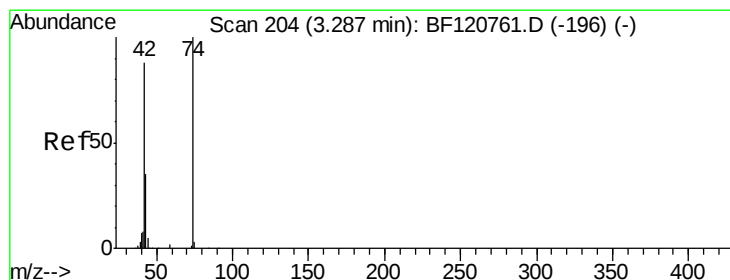
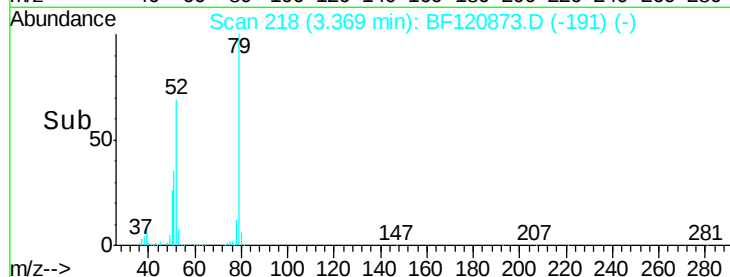
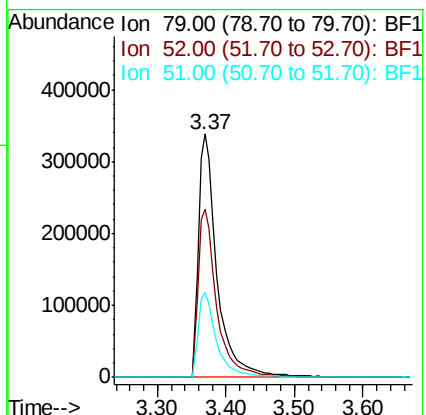
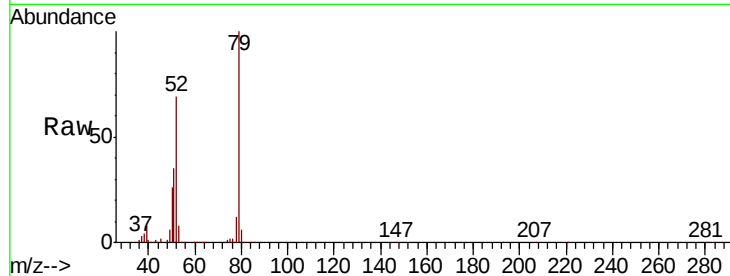
Tot Ion: 79 Resp: 646202

Ion Ratio Lower Upper

79 100

52 68.9 56.3 84.5

51 34.6 30.1 45.1



#4

n-Nitrosodimethylamine

Concen: 39.864 ng

RT: 3.32 min Scan# 210

Delta R.T. 0.06 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

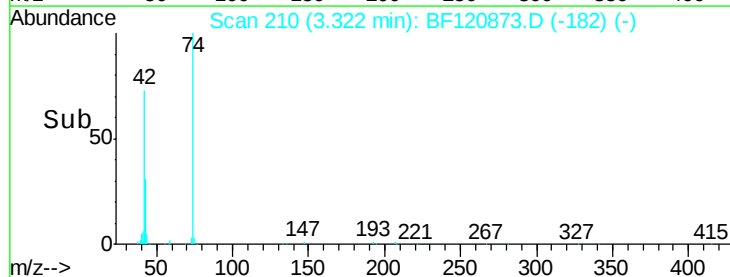
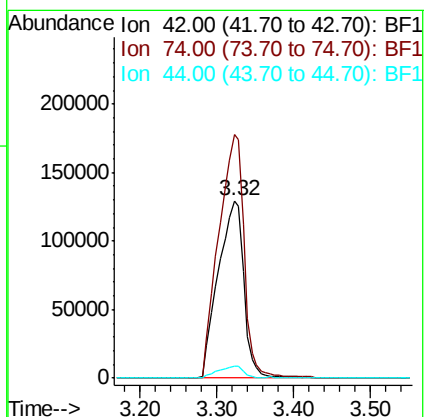
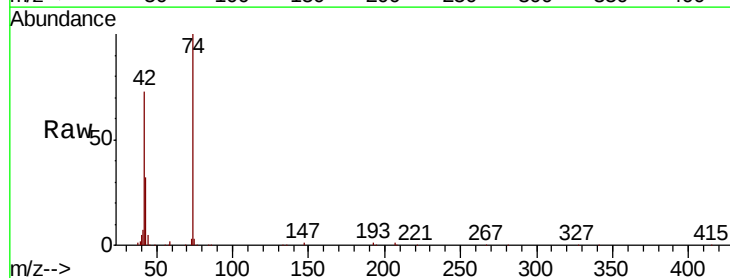
Tgt Ion: 42 Resp: 299710

Ion Ratio Lower Upper

42 100

74 137.2 90.8 136.2#

44 6.6 5.8 8.8





#5

2-Fluorophenol

Concen: 63.711 ng

RT: 5.45 min Scan# 572

Delta R.T. 0.01 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Instrument :

BNA_F

ClientSampleId :

IRON-1MSD

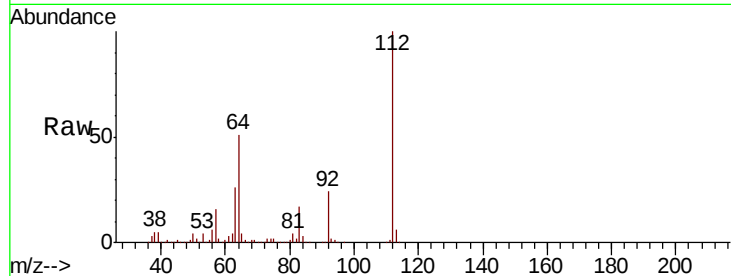
Tot Ion:112 Resp: 765247

Ion Ratio Lower Upper

112 100

64 51.3 43.8 65.6

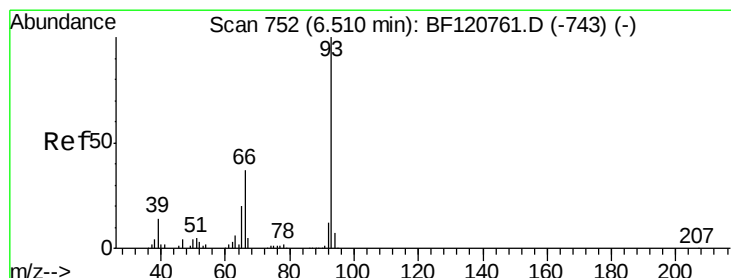
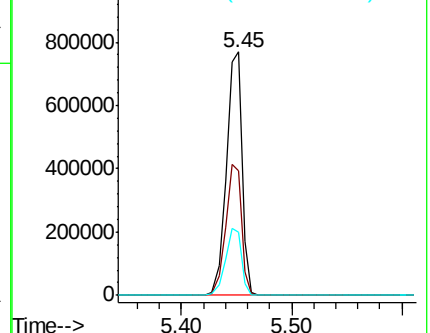
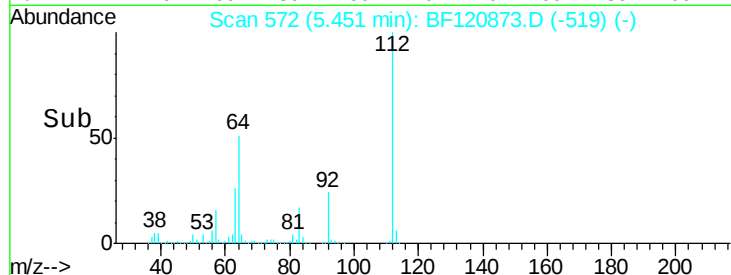
63 26.0 23.6 35.4



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: 33.479 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

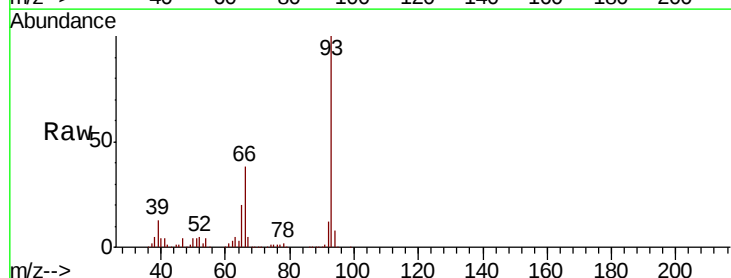
Tgt Ion: 93 Resp: 659512

Ion Ratio Lower Upper

93 100

66 38.1 31.3 46.9

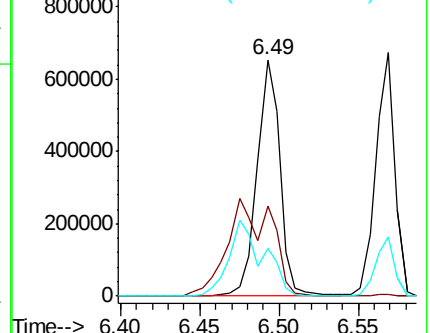
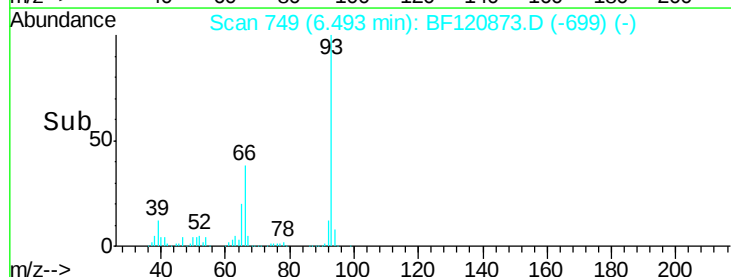
65 20.1 16.5 24.7



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: 62.621 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF120873.D

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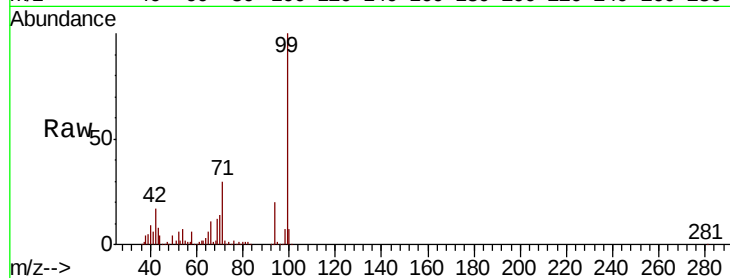
Tot Ion: 99 Resp: 960530

Ion Ratio Lower Upper

99 100

42 16.9 15.4 23.0

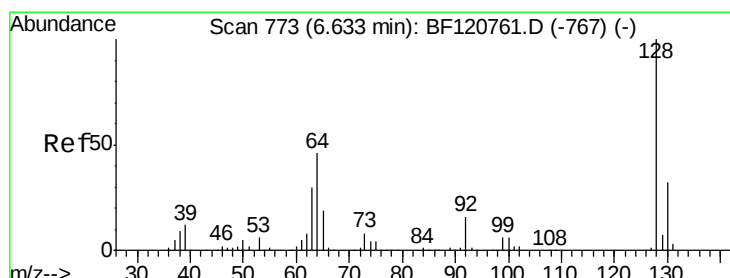
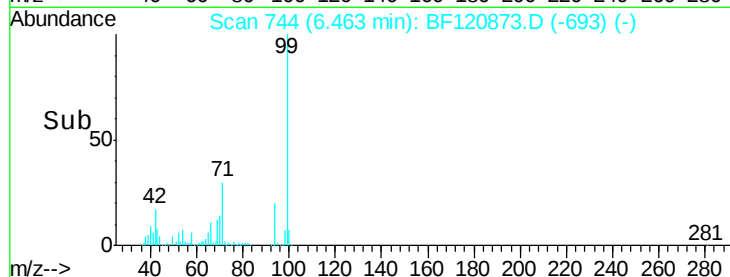
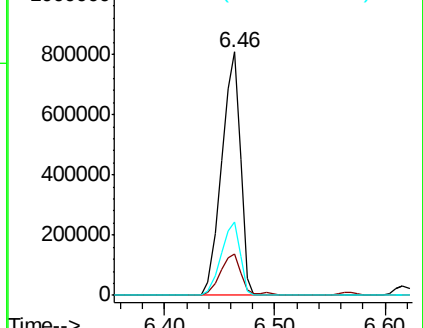
71 30.1 25.9 38.9



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: 48.012 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

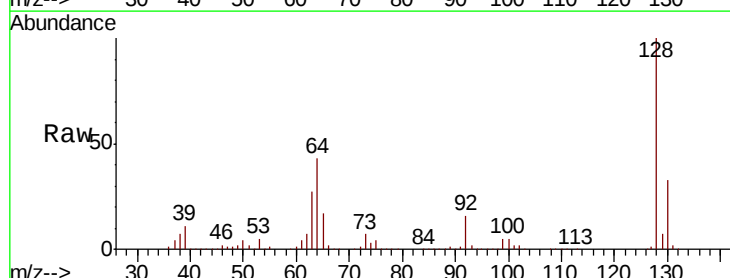
Tgt Ion: 128 Resp: 613977

Ion Ratio Lower Upper

128 100

130 32.7 12.1 52.1

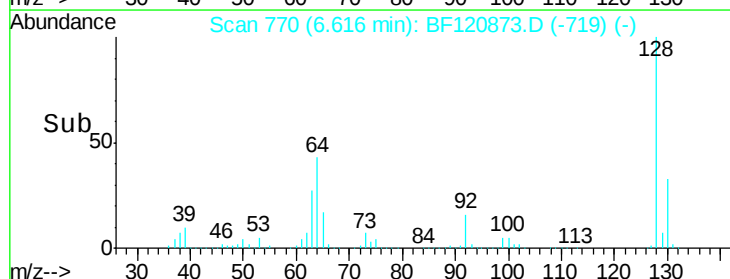
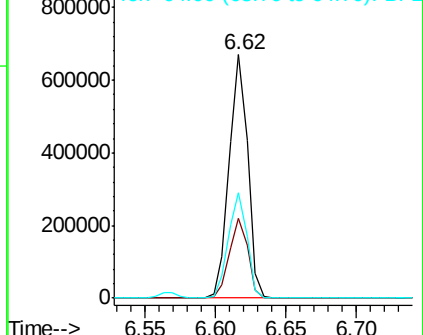
64 43.0 26.3 66.3



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: 18.847 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF120873.D

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Instrument :

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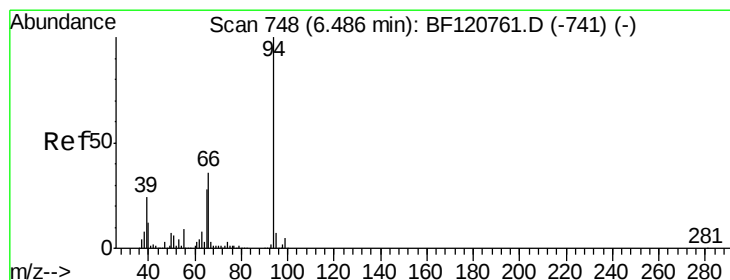
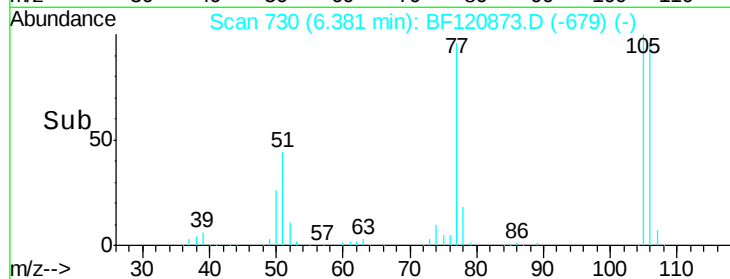
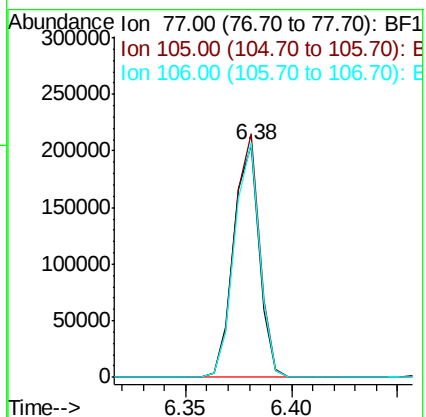
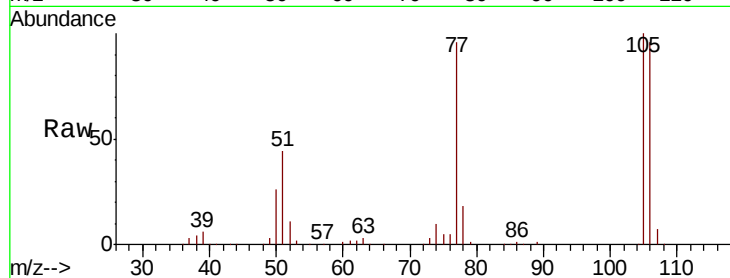
Tot Ion: 77 Resp: 171938

Ion Ratio Lower Upper

77 100

105 104.7 76.8 116.8

106 100.9 73.8 113.8



#10

Phenol

Concen: 48.431 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

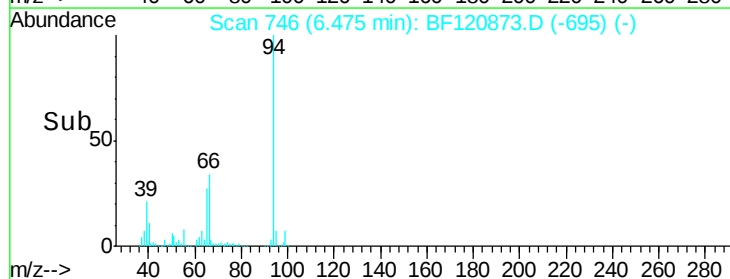
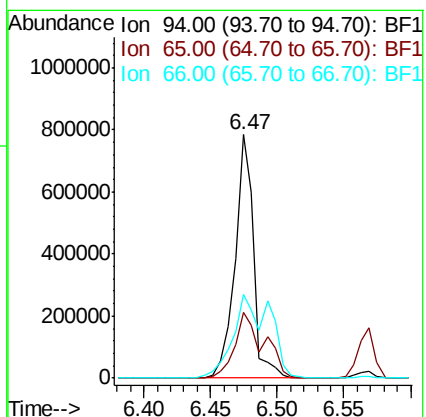
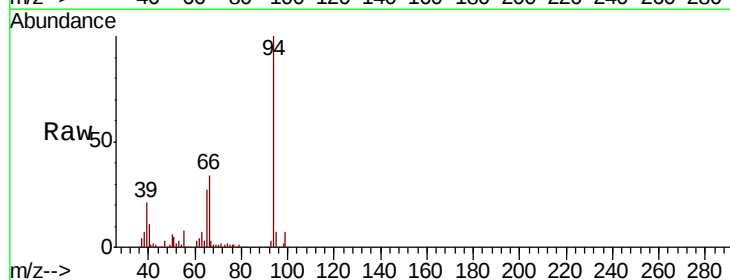
Tgt Ion: 94 Resp: 764201

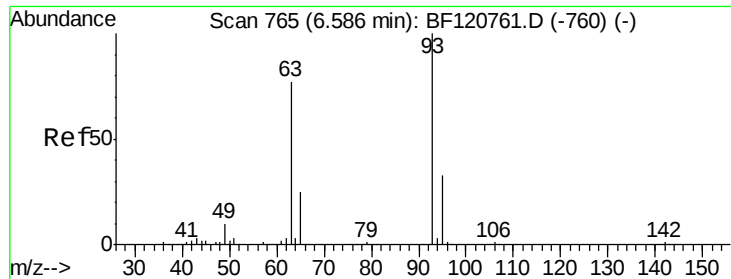
Ion Ratio Lower Upper

94 100

65 26.9 8.4 48.4

66 34.4 16.5 56.5

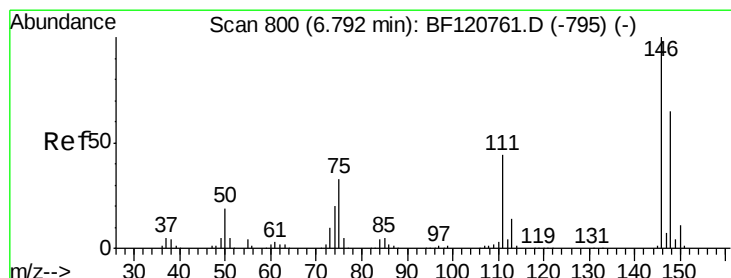
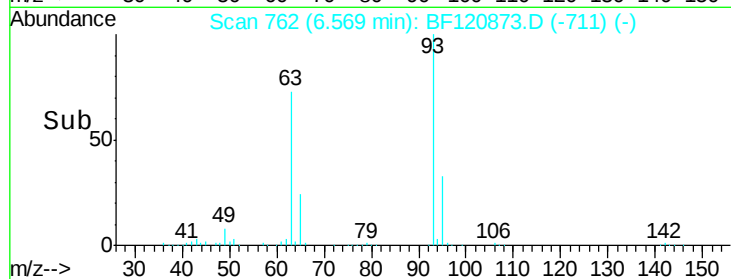
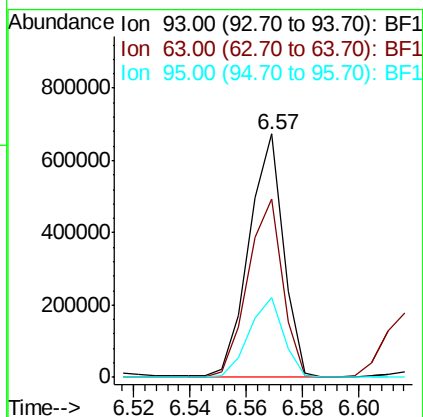
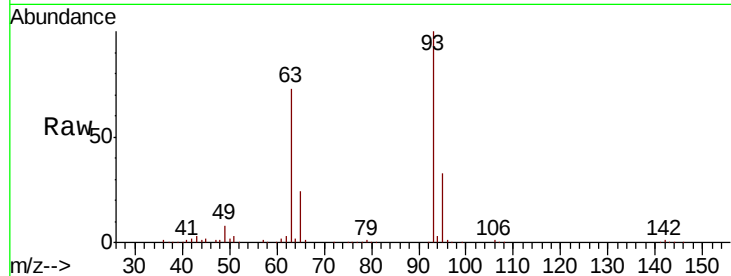




#11
bis(2-Chloroethyl)ether
Concen: 44.350 ng
RT: 6.57 min Scan# 762
Delta R.T. 0.00 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

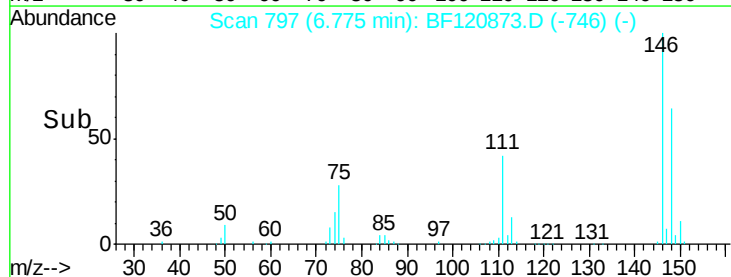
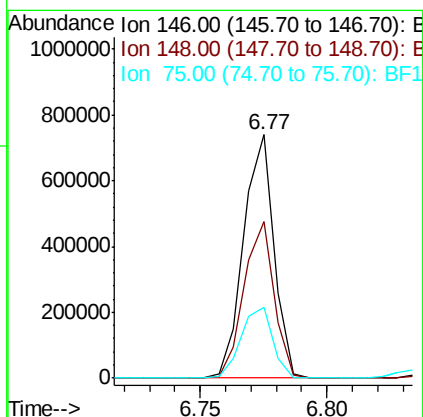
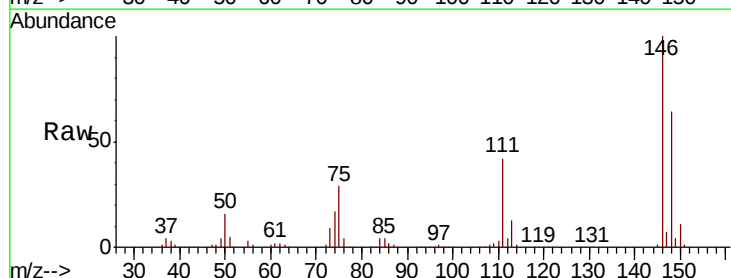
Instrument :
BNA_F
ClientSampleId :
IRON-1MSD

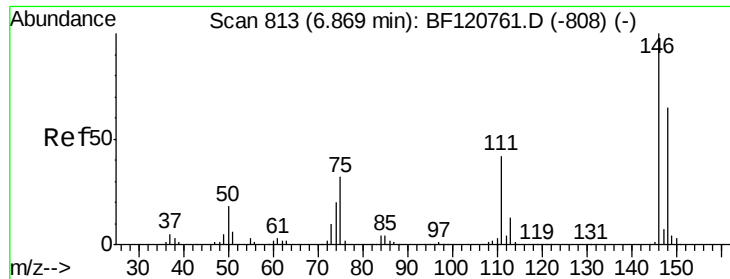
Tot Ion:	93	Resp:	569457
Ion	Ratio	Lower	Upper
93	100		
63	73.3	56.9	96.9
95	33.0	13.3	53.3



#12
1,3-Dichlorobenzene
Concen: 43.637 ng
RT: 6.77 min Scan# 797
Delta R.T. 0.00 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Tgt Ion:	146	Resp:	614221
Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.1	78.1
75	29.3	26.0	39.0

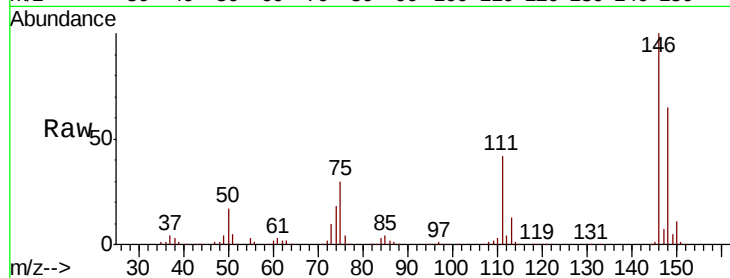




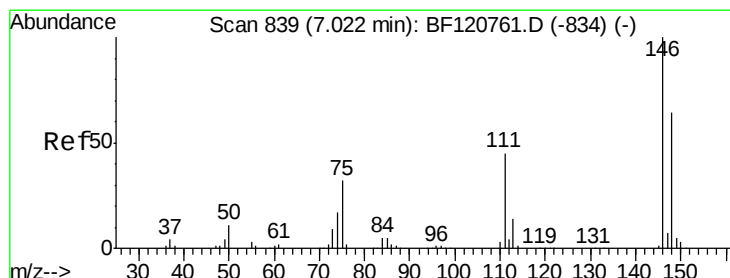
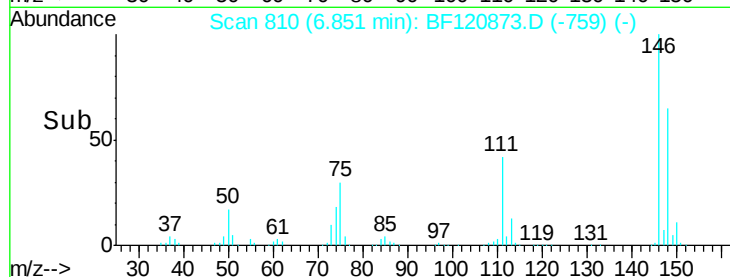
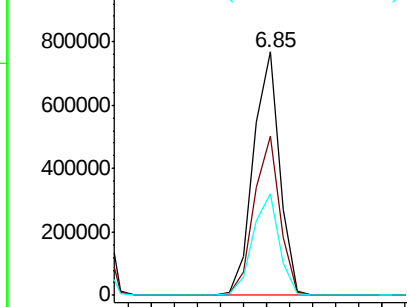
#13
 1,4-Dichlorobenzene
 Concen: 43.335 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MSD

Tot Ion:146 Resp: 610935
 Ion Ratio Lower Upper
 146 100
 148 65.5 51.8 77.6
 111 41.5 33.7 50.5

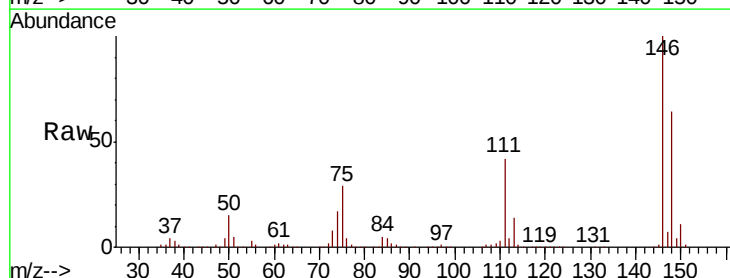


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

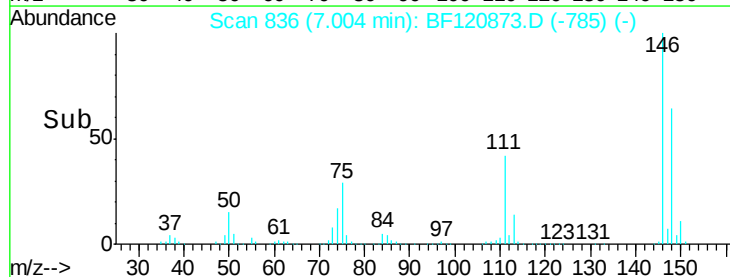
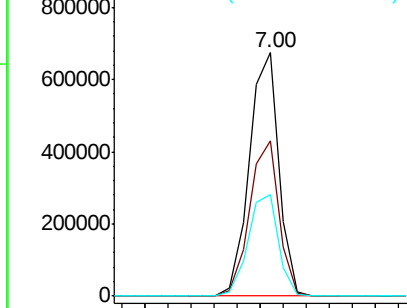


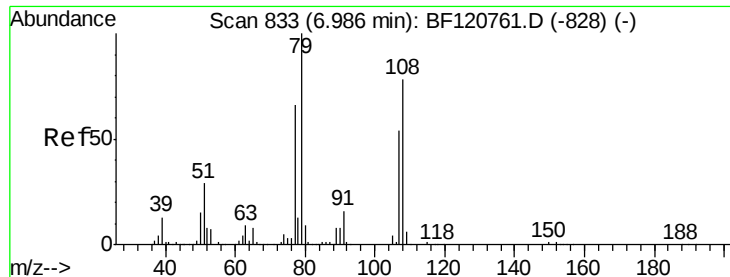
#14
 1,2-Dichlorobenzene
 Concen: 44.822 ng
 RT: 7.00 min Scan# 836
 Delta R.T. 0.00 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

Tgt Ion:146 Resp: 601191
 Ion Ratio Lower Upper
 146 100
 148 64.0 51.0 76.4
 111 41.9 35.7 53.5



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





#15

Benzyl Alcohol

Concen: 41.740 ng

RT: 6.97 min Scan# 831

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Instrument :

BNA_F

ClientSampleId :

IRON-1MSD

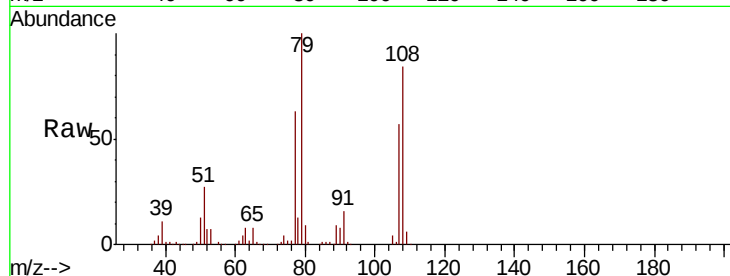
Tot Ion: 79 Resp: 481049

Ion Ratio Lower Upper

79 100

108 83.6 62.4 93.6

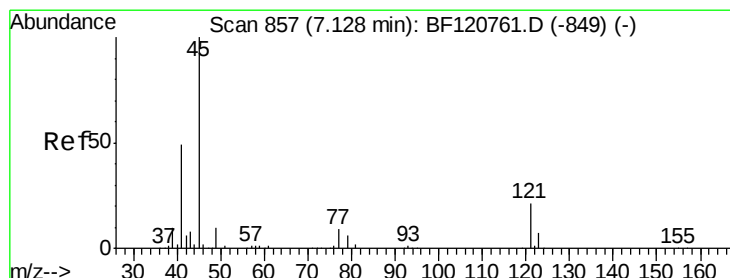
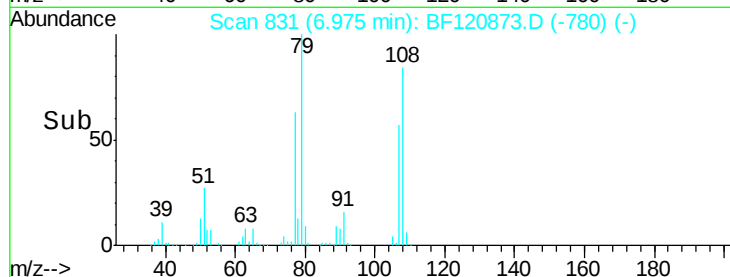
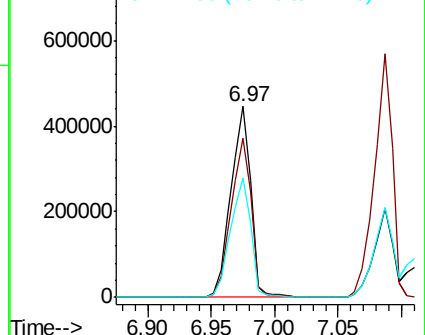
77 62.8 52.7 79.1



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.073 ng

RT: 7.11 min Scan# 854

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

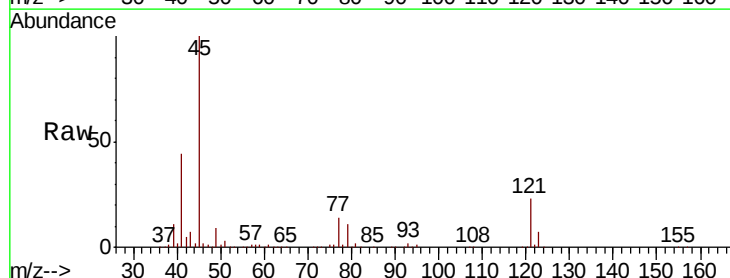
Tgt Ion: 45 Resp: 802583

Ion Ratio Lower Upper

45 100

77 14.4 0.0 33.7

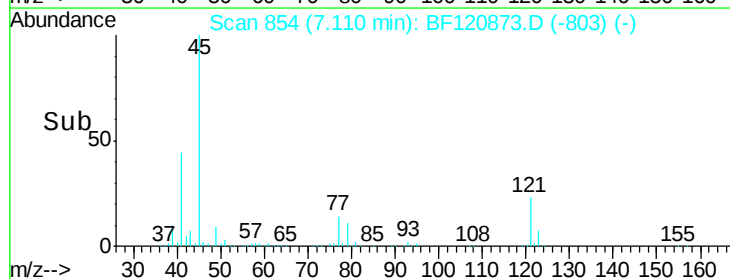
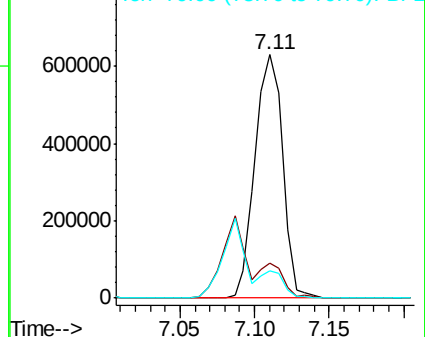
79 11.2 0.0 30.5

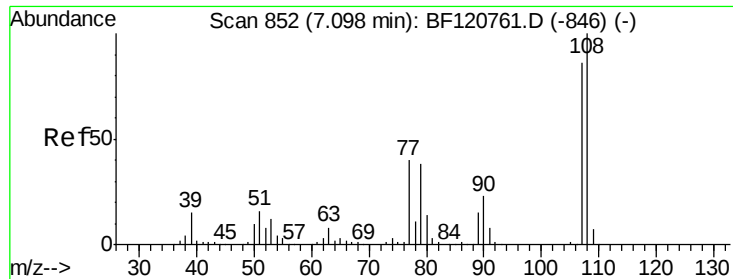


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 42.202 ng

RT: 7.09 min Scan# 850

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Instrument :

BNA_F

ClientSampleId :

IRON-1MSD

Tot Ion:107 Resp: 482789

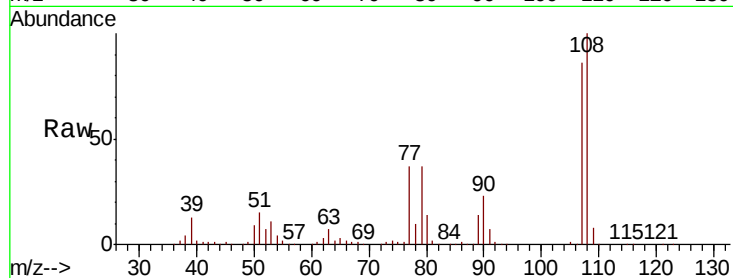
Ion Ratio Lower Upper

107 100

108 116.2 93.1 139.7

77 43.2 37.3 55.9

79 42.5 35.3 52.9

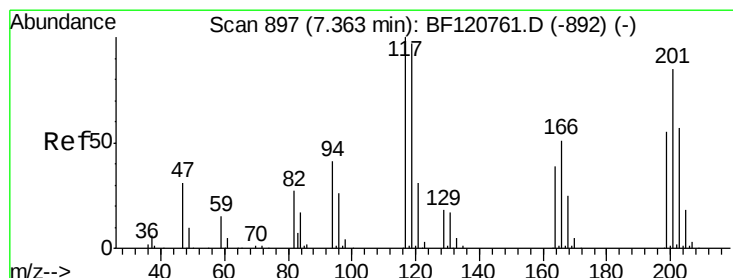
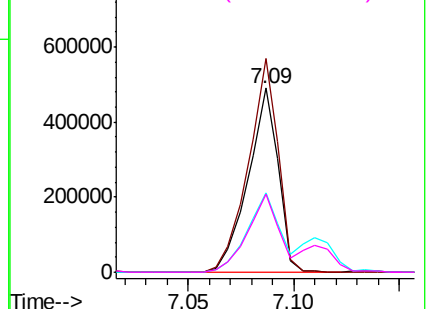
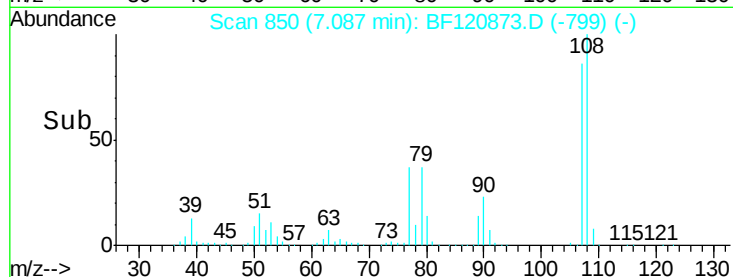


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 43.850 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

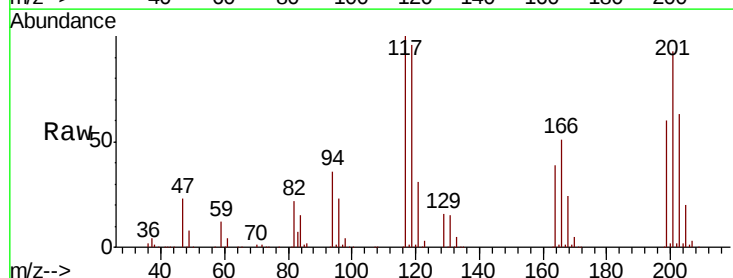
Tgt Ion:117 Resp: 232355

Ion Ratio Lower Upper

117 100

119 96.0 77.9 116.9

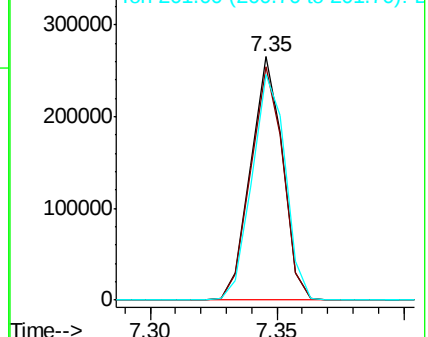
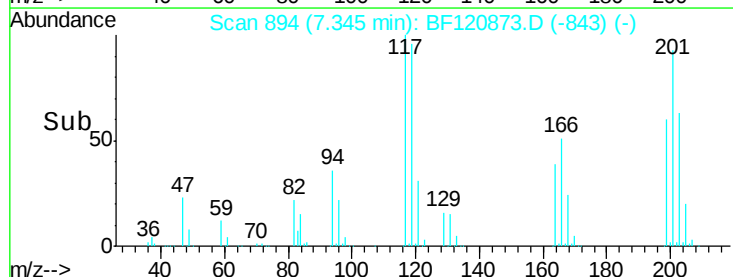
201 92.6 68.3 102.5

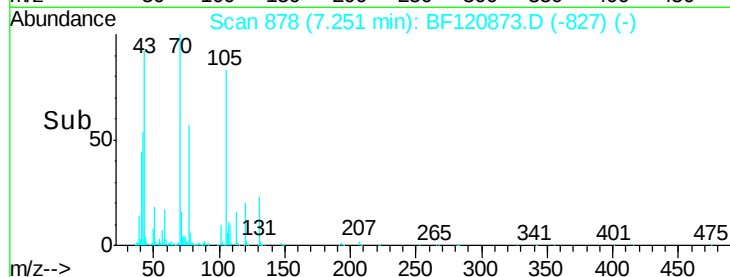
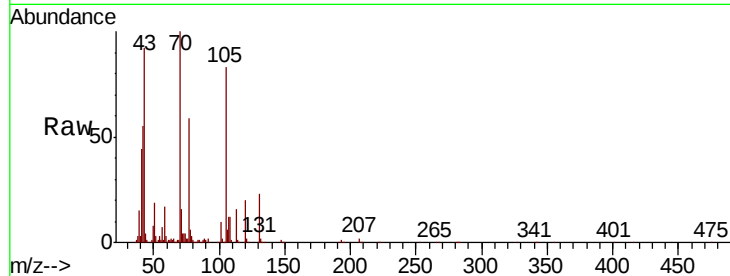
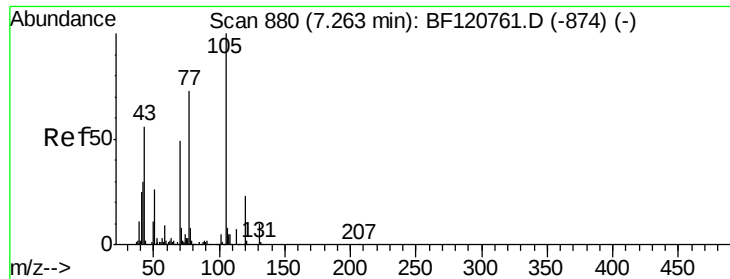


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

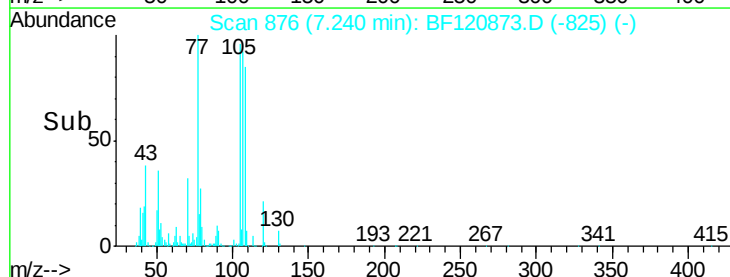
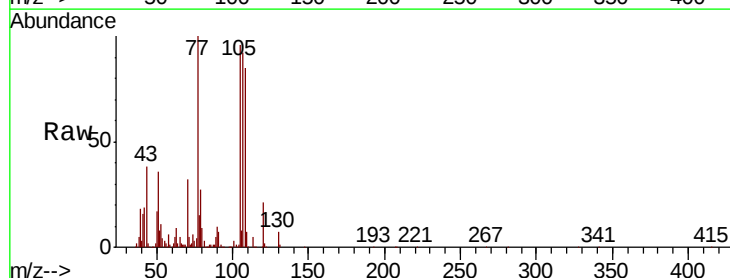
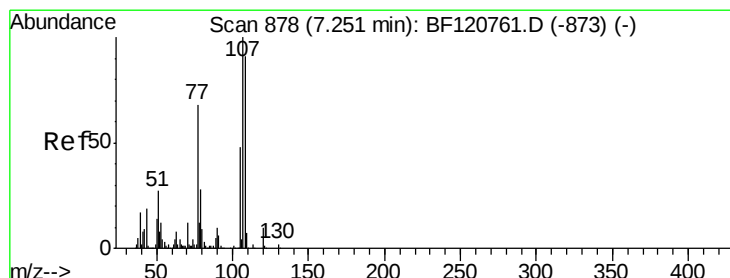
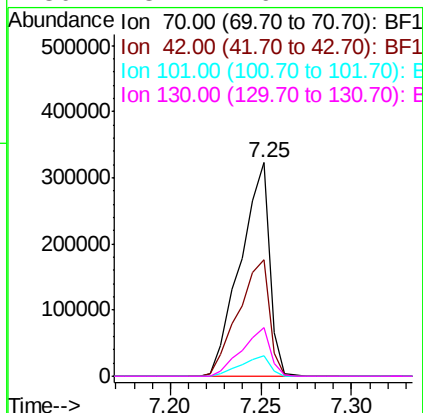




#19
n-Nitroso-di-n-propylamine
Concen: 39.000 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.00 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

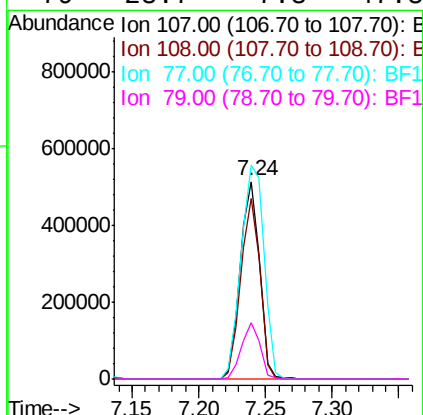
Instrument :
BNA_F
ClientSampleId :
IRON-1MSD

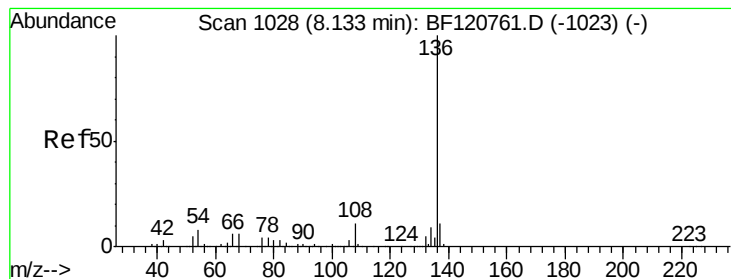
Tot Ion	Ratio	Lower	Upper
70	100		
42	54.6	50.3	75.5
101	9.8	7.5	11.3
130	23.1	16.1	24.1



#20
3+4-Methylphenols
Concen: 36.951 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.6	70.9	110.9
77	108.1	48.3	88.3
79	28.7	7.8	47.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Instrument :

BNA_F

ClientSampleId :

IRON-1MSD

Tot Ion:136 Resp: 729173

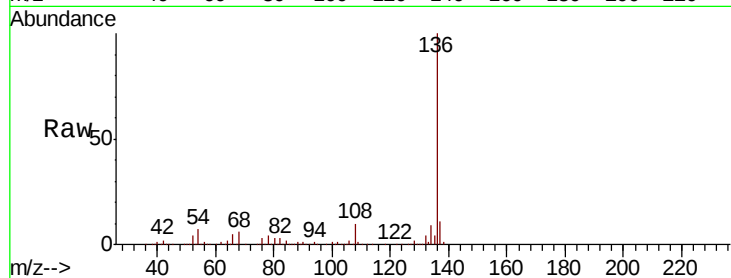
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 7.4 6.2 9.4

68 6.1 4.7 7.1

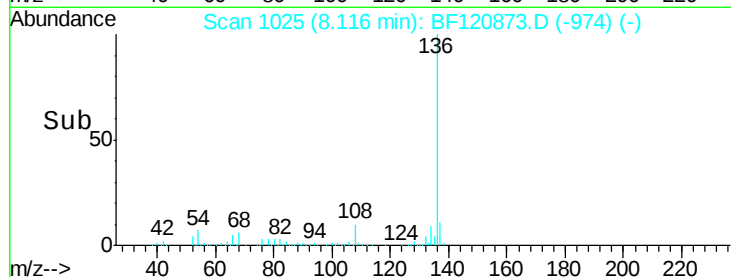


Abundance Ion 136.00 (135.70 to 136.70): E

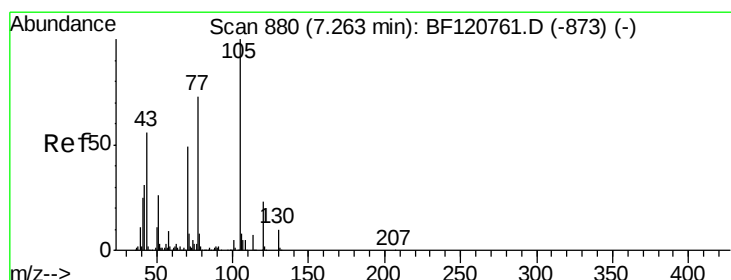
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time--> 8.05 8.10 8.15



#22

Acetophenone

Concen: 37.925 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Tgt Ion:105 Resp: 687373

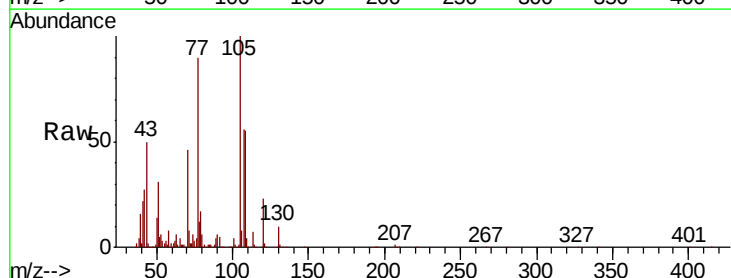
Ion Ratio Lower Upper

105 100

71 7.8 6.5 9.7

51 30.8 21.0 31.4

120 22.9 18.6 28.0

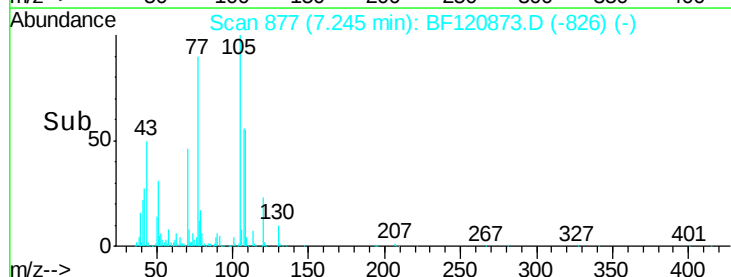


Abundance Ion 105.00 (104.70 to 105.70): E

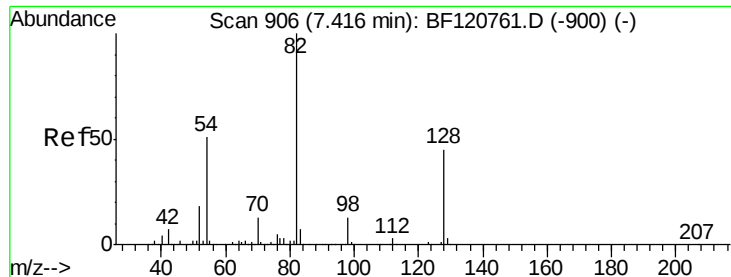
Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



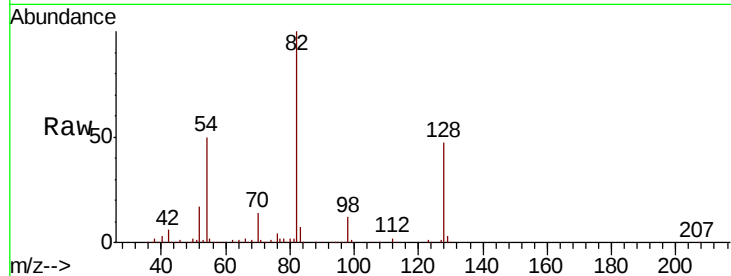
Time--> 7.15 7.20 7.25 7.30 7.35



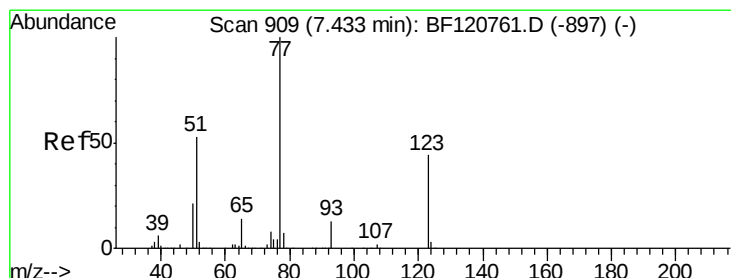
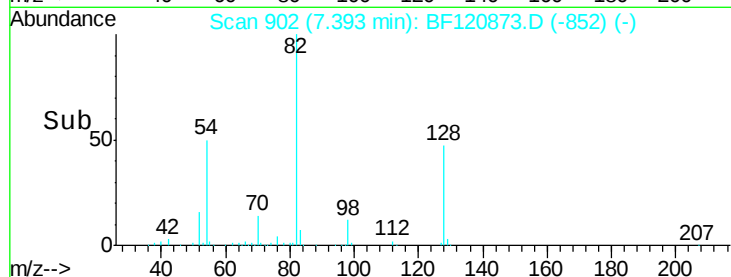
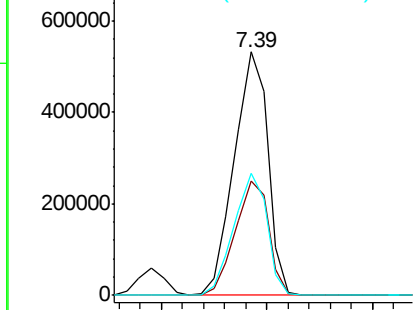
#23
Nitrobenzene-d5
Concen: 46.596 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Instrument :
BNA_F
ClientSampleId :
IRON-1MSD

Tot Ion	82	Resp	586429
Ion Ratio	Lower	Upper	
82	100		
128	47.2	35.7	53.5
54	50.3	40.9	61.3

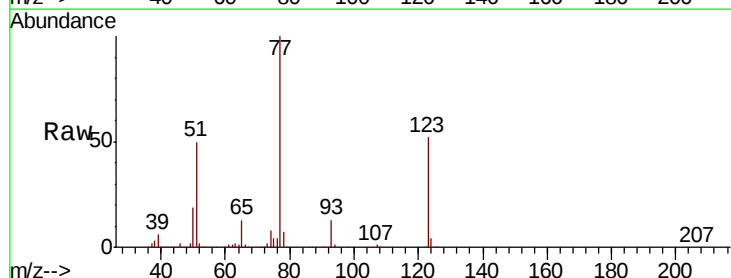


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

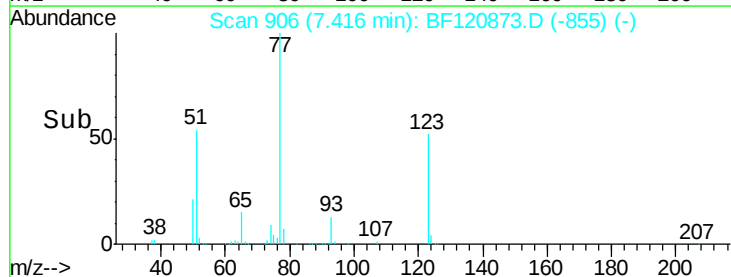
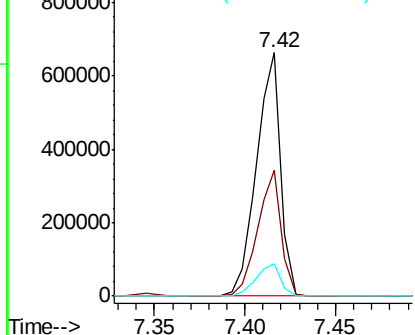


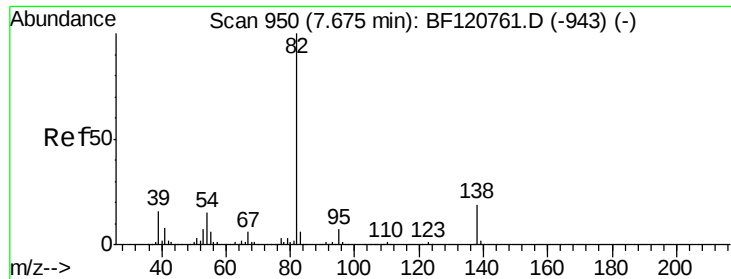
#24
Nitrobenzene
Concen: 43.225 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Tgt Ion	77	Resp	610812
Ion Ratio	Lower	Upper	
77	100		
123	51.8	36.1	54.1
65	13.3	11.0	16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 40.981 ng

RT: 7.66 min Scan# 947

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Instrument :

BNA_F

ClientSampleId :

IRON-1MSD

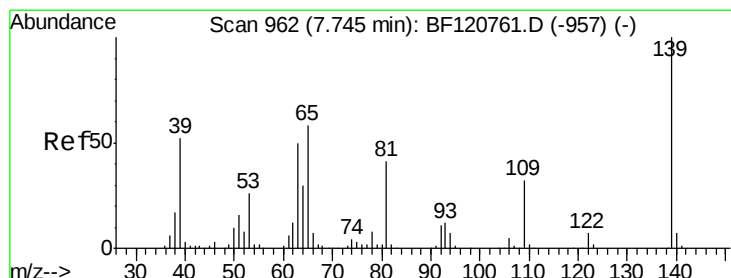
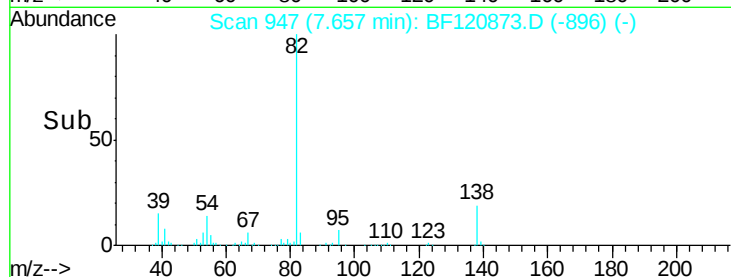
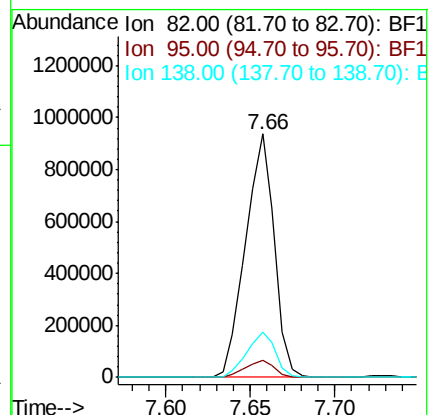
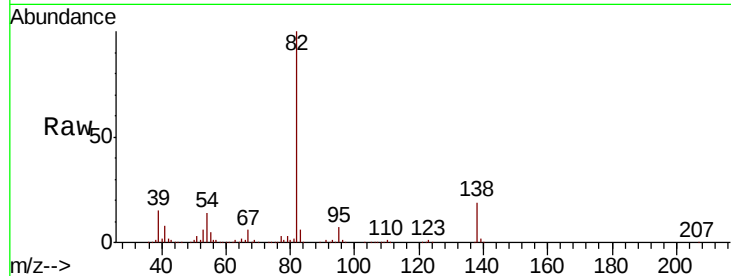
Tot Ion: 82 Resp: 1112297

Ion Ratio Lower Upper

82 100

95 7.0 5.4 8.2

138 18.5 15.0 22.4



#26

2-Nitrophenol

Concen: 54.116 ng

RT: 7.73 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

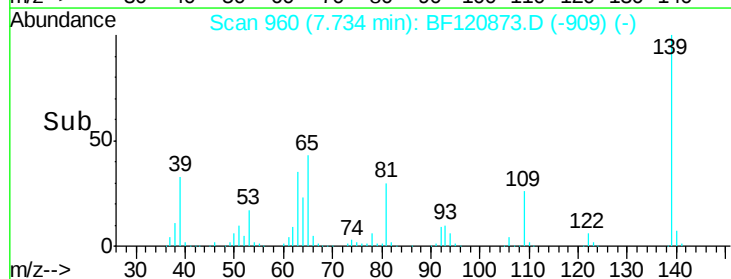
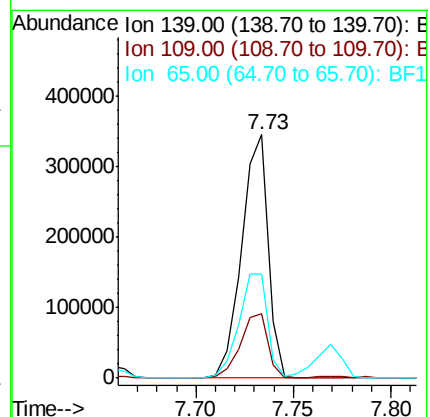
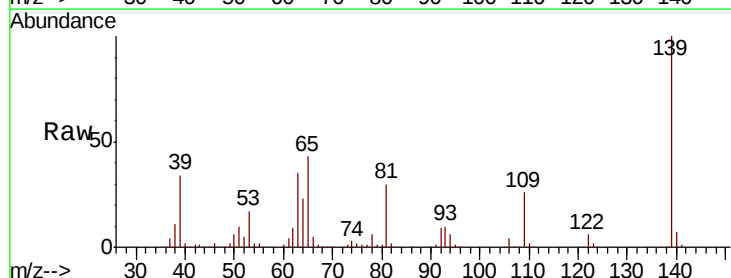
Tgt Ion: 139 Resp: 324758

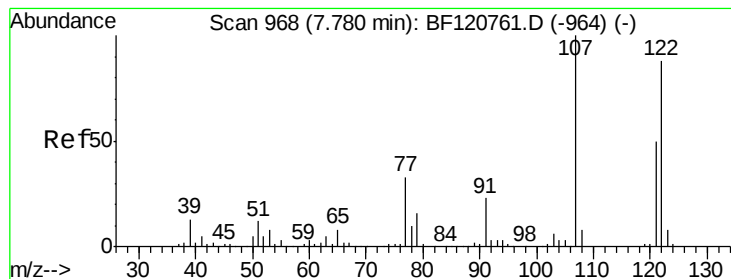
Ion Ratio Lower Upper

139 100

109 26.2 25.3 37.9

65 43.0 46.2 69.2#





#27

2,4-Dimethylphenol

Concen: 46.728 ng

RT: 7.77 min Scan# 966

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Instrument :

BNA_F

ClientSampleId :

IRON-1MSD

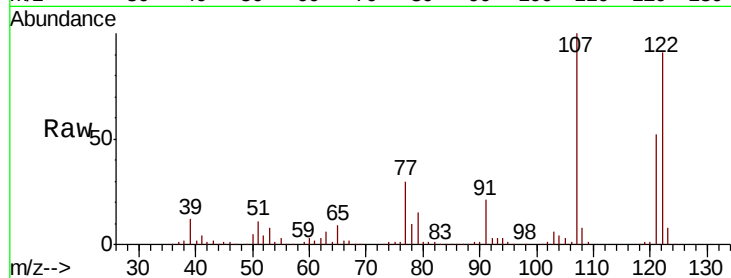
Tot Ion:122 Resp: 506278

Ion Ratio Lower Upper

122 100

107 109.3 90.7 136.1

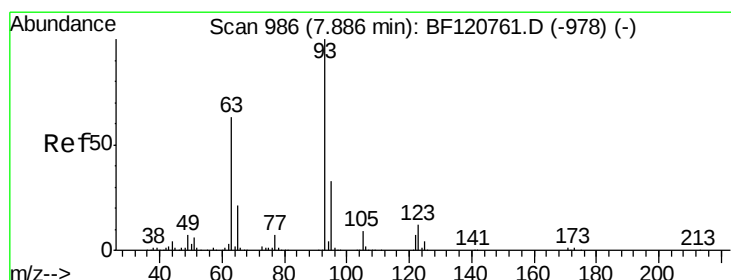
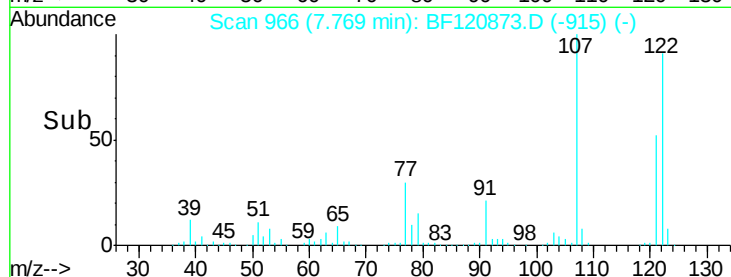
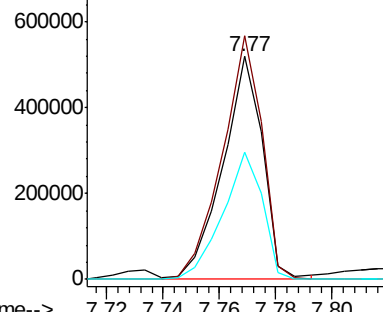
121 57.3 45.4 68.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 43.776 ng

RT: 7.87 min Scan# 983

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

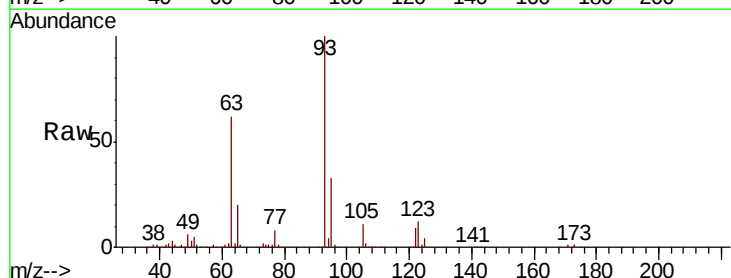
Tgt Ion: 93 Resp: 703201

Ion Ratio Lower Upper

93 100

95 32.8 26.4 39.6

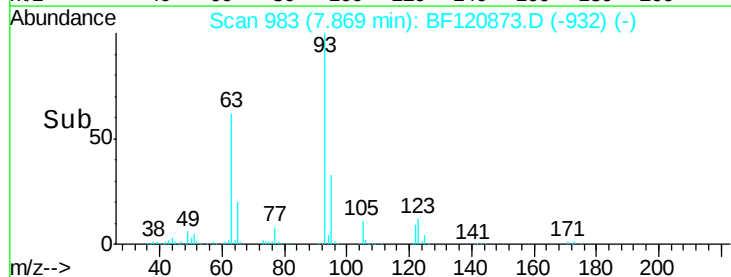
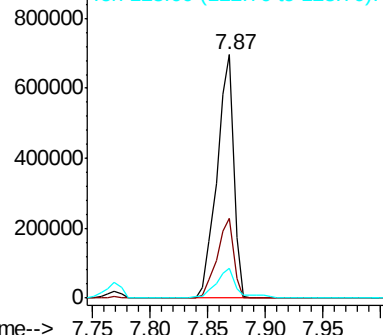
123 12.3 10.2 15.2

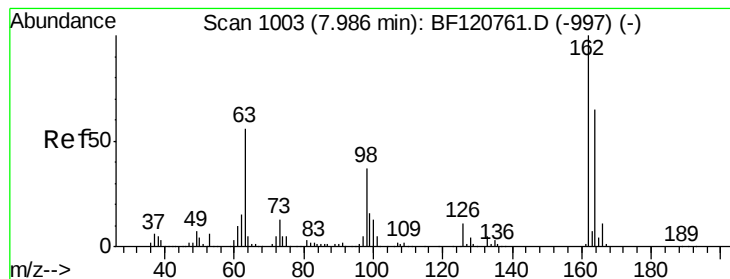


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 45.202 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Instrument :

BNA_F

ClientSampleId :

IRON-1MSD

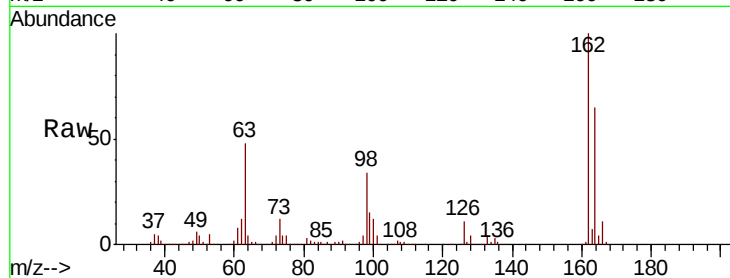
Tot Ion:162 Resp: 488914

Ion Ratio Lower Upper

162 100

164 64.9 45.2 85.2

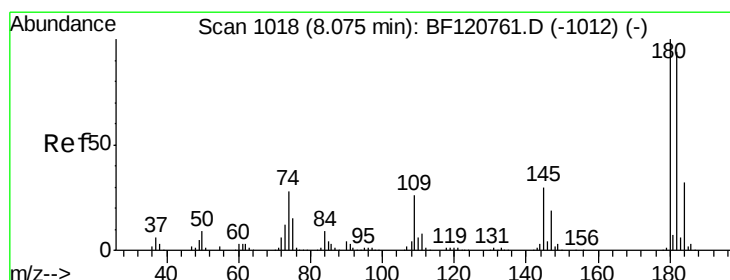
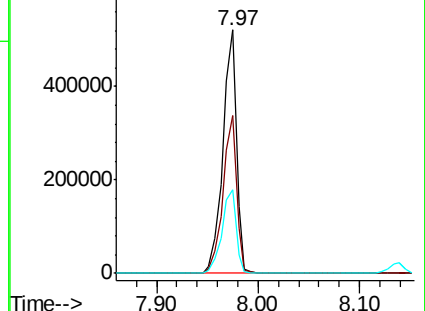
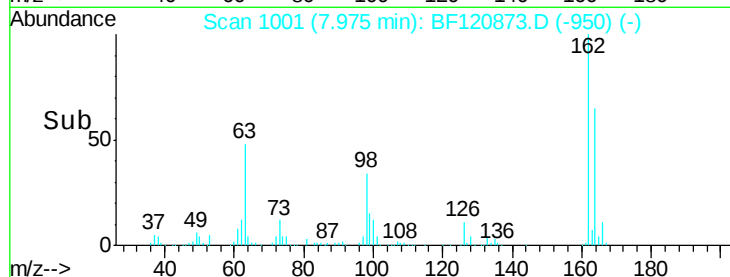
98 34.4 17.0 57.0



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 43.662 ng

RT: 8.06 min Scan# 1015

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

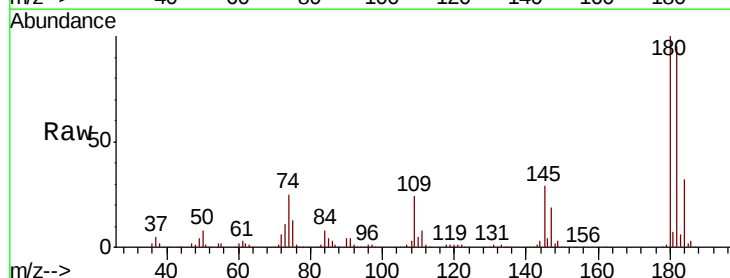
Tgt Ion:180 Resp: 530432

Ion Ratio Lower Upper

180 100

182 94.7 75.5 113.3

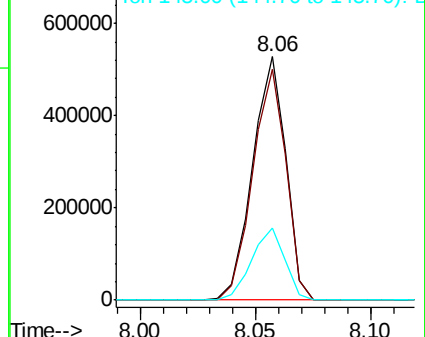
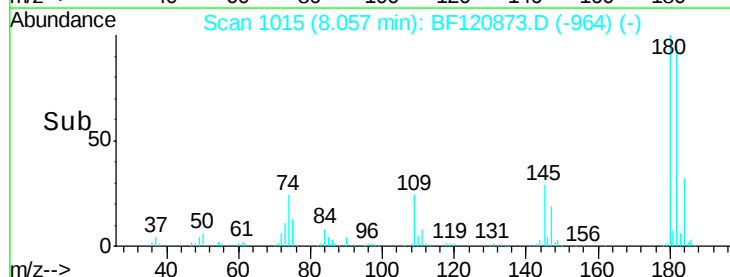
145 29.5 24.1 36.1

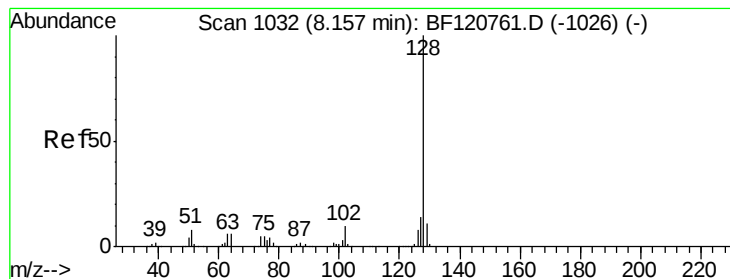


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 41.864 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Instrument :

BNA_F

ClientSampleId :

IRON-1MSD

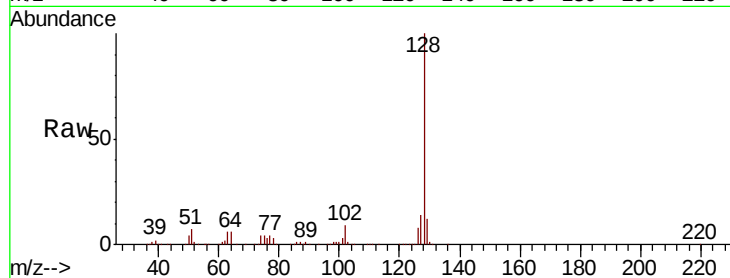
Tot Ion:128 Resp: 1631380

Ion Ratio Lower Upper

128 100

129 11.7 9.2 13.8

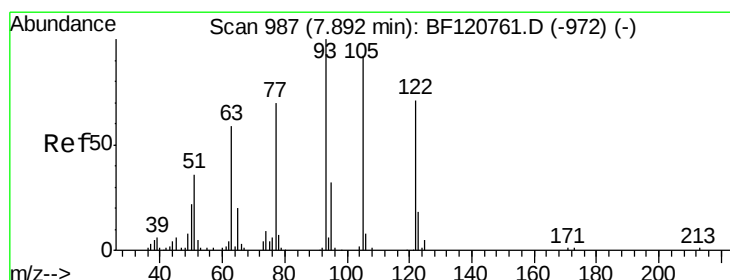
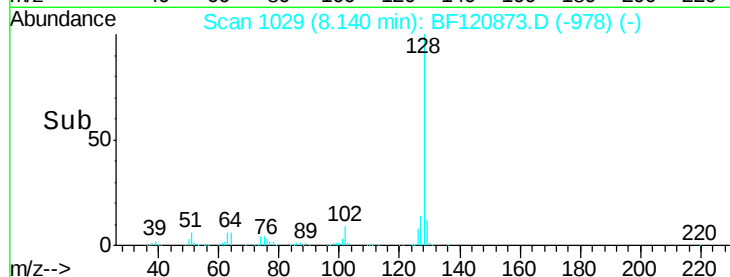
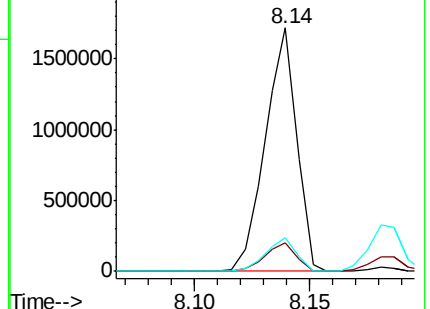
127 13.9 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 48.278 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.02 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

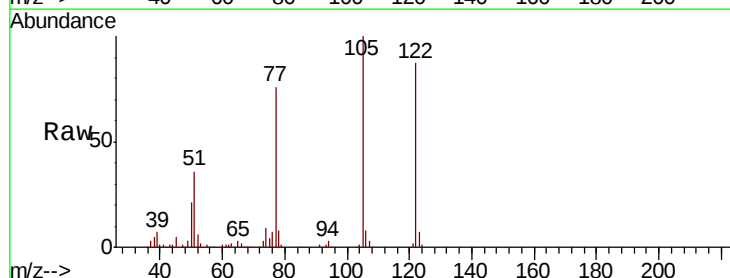
Tgt Ion:122 Resp: 370070

Ion Ratio Lower Upper

122 100

105 114.3 105.8 145.8

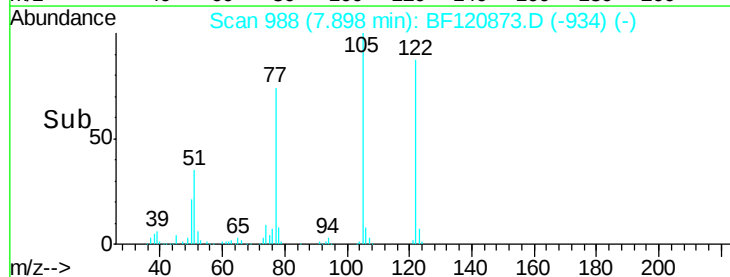
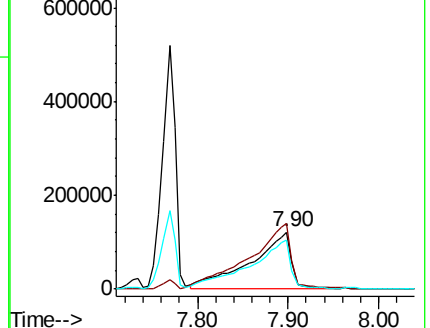
77 86.4 77.3 117.3



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

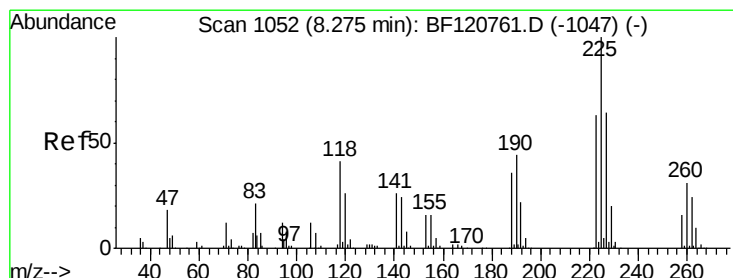
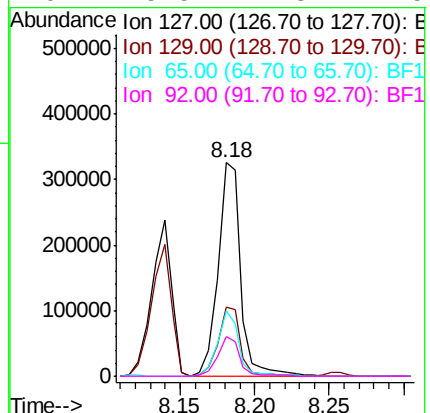
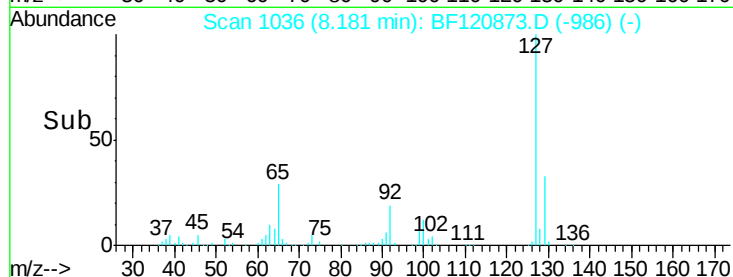
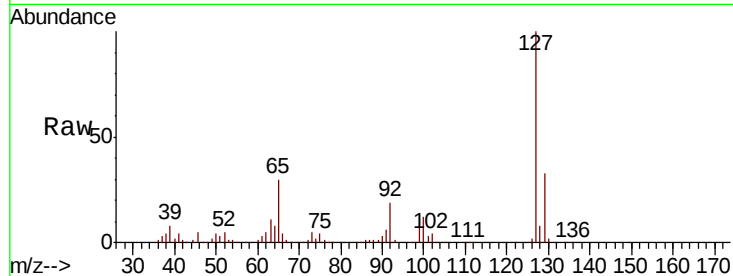




#33
4-Chloroaniline
Concen: 20.791 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

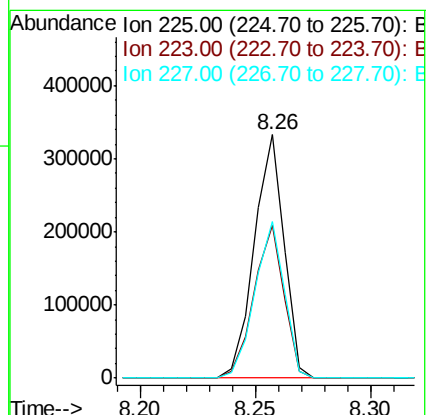
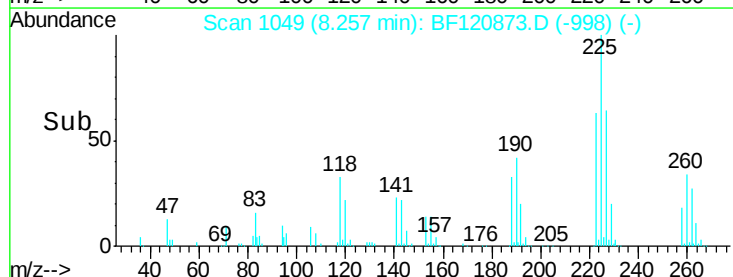
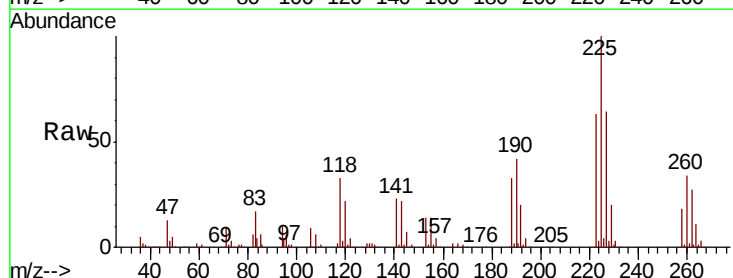
Instrument :
BNA_F
ClientSampleId :
IRON-1MSD

Tot Ion:	127	Resp:	343796
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.6	39.8
65	30.4	22.7	34.1
92	18.5	14.3	21.5



#34
Hexachlorobutadiene
Concen: 41.172 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Tgt Ion:	225	Resp:	300824
Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	76.0
227	64.3	51.4	77.2

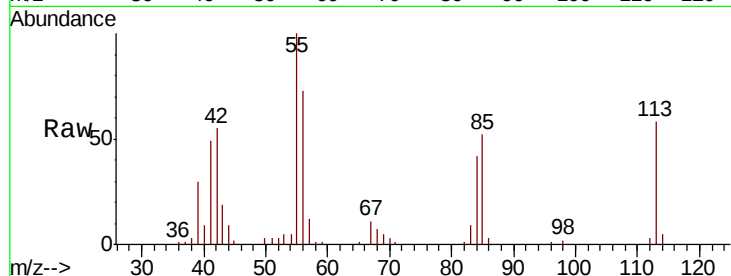




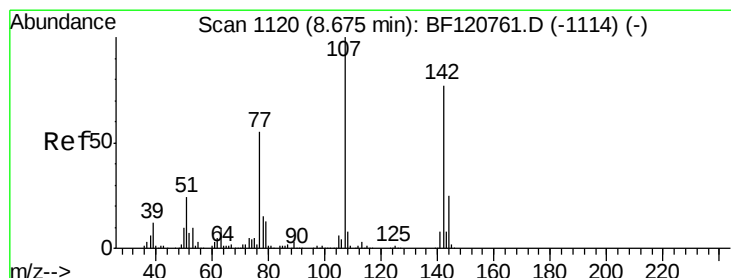
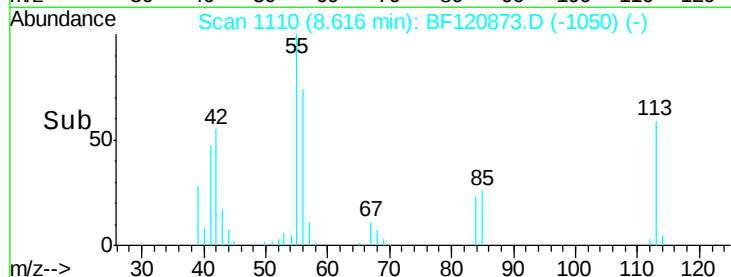
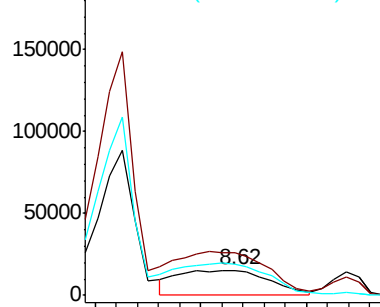
#35
 Caprolactam
 Concen: 14.480 ng
 RT: 8.62 min Scan# 1110
 Delta R.T. 0.05 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MSD

Tot Ion:113 Resp: 45637
 Ion Ratio Lower Upper
 113 100
 55 171.3 168.3 208.3
 56 124.6 118.8 158.8

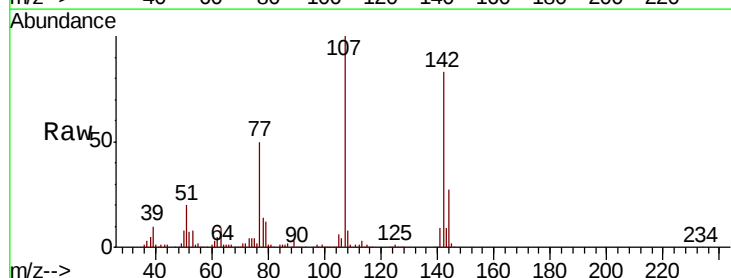


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

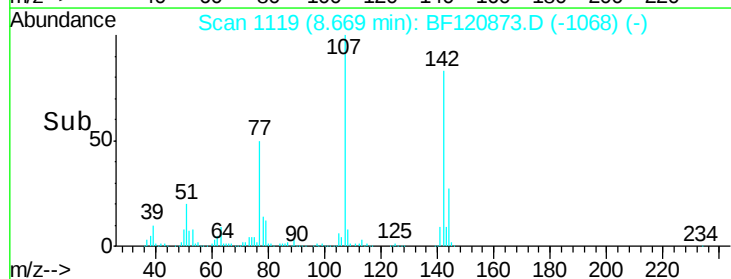
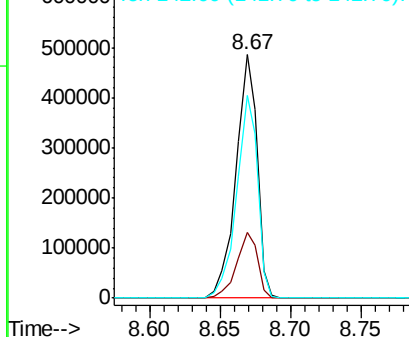


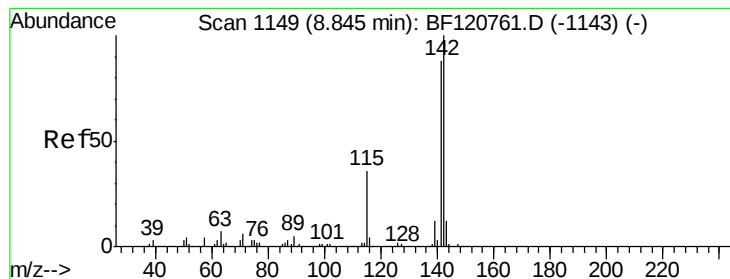
#36
 4-Chloro-3-methylphenol
 Concen: 45.187 ng
 RT: 8.67 min Scan# 1119
 Delta R.T. 0.00 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

Tgt Ion:107 Resp: 508413
 Ion Ratio Lower Upper
 107 100
 144 27.1 19.7 29.5
 142 83.3 61.2 91.8



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

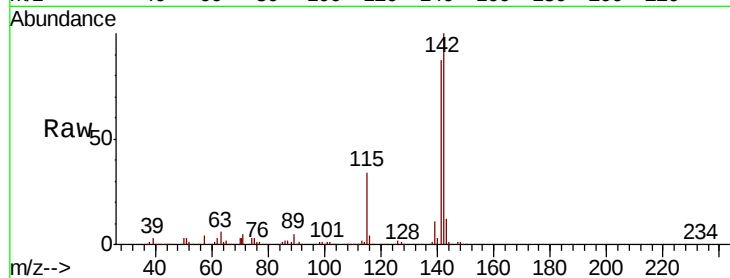




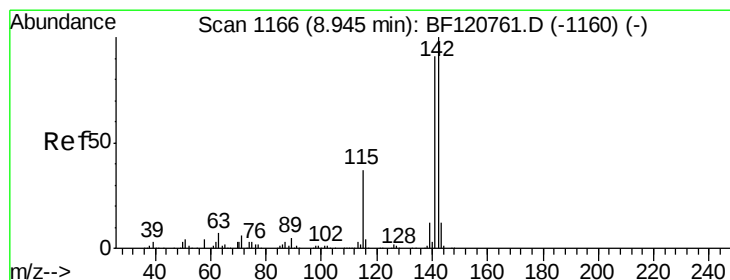
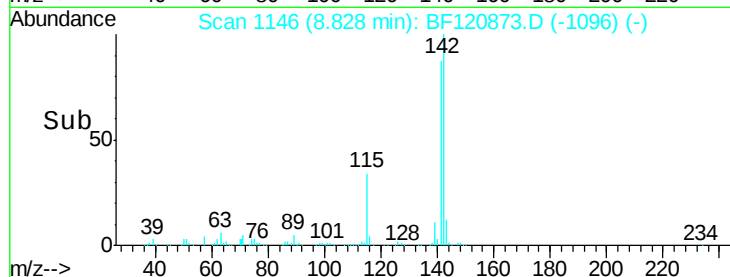
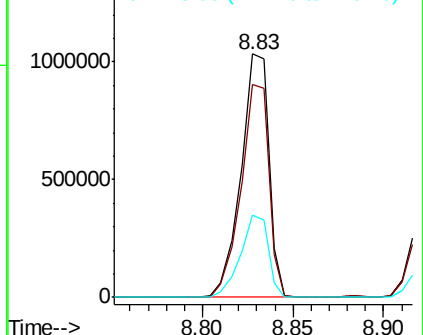
#37
2-Methylnaphthalene
Concen: 43.667 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Instrument :
BNA_F
ClientSampleId :
IRON-1MSD

Tot Ion:142 Resp: 1106191
Ion Ratio Lower Upper
142 100
141 87.3 70.2 105.4
115 33.7 29.0 43.4

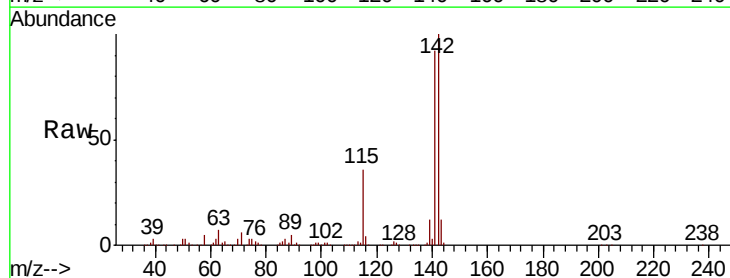


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

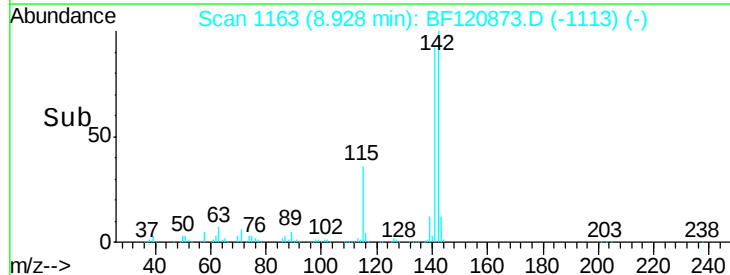
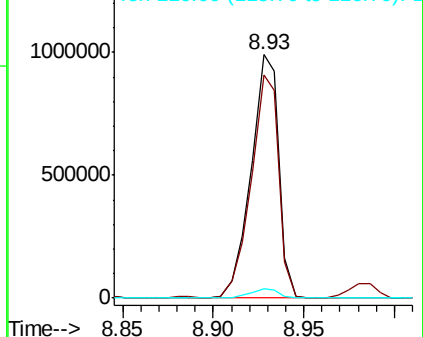


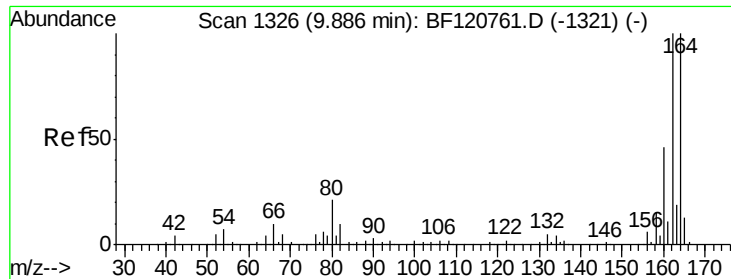
#38
1-Methylnaphthalene
Concen: 44.216 ng
RT: 8.93 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Tgt Ion:142 Resp: 1049192
Ion Ratio Lower Upper
142 100
141 91.7 72.5 108.7
116 3.9 3.1 4.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Instrument :

BNA_F

ClientSampleId :

IRON-1MSD

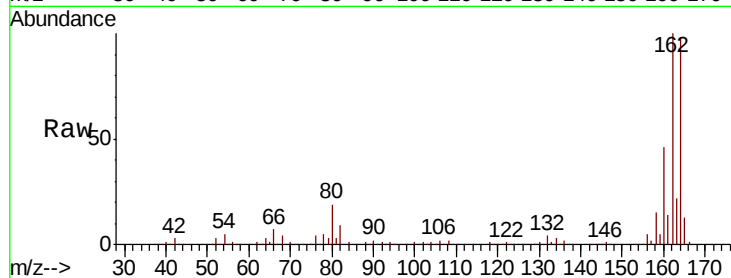
Tot Ion:164 Resp: 372740

Ion Ratio Lower Upper

164 100

162 101.6 80.2 120.2

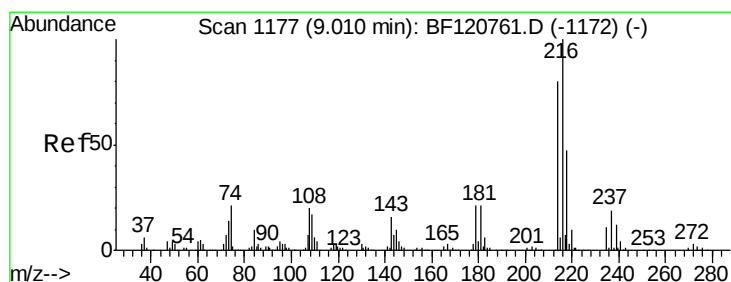
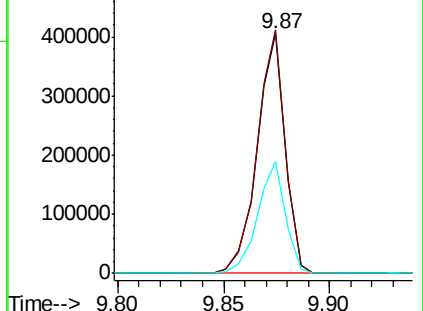
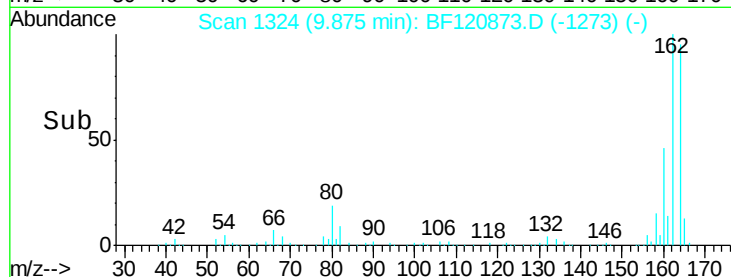
160 46.9 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.932 ng

RT: 9.00 min Scan# 1175

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Tgt Ion:216 Resp: 461107

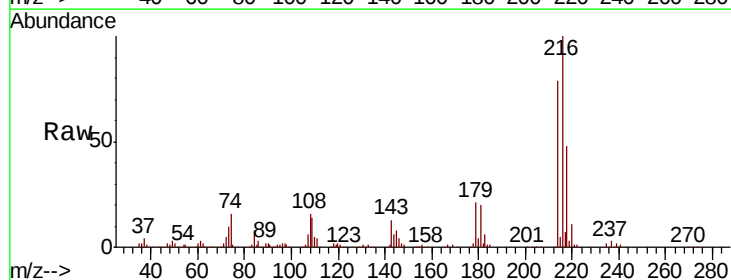
Ion Ratio Lower Upper

216 100

214 80.0 63.7 95.5

179 21.2 16.7 25.1

108 21.1 17.0 25.4

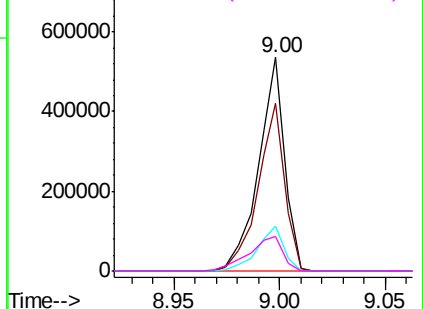
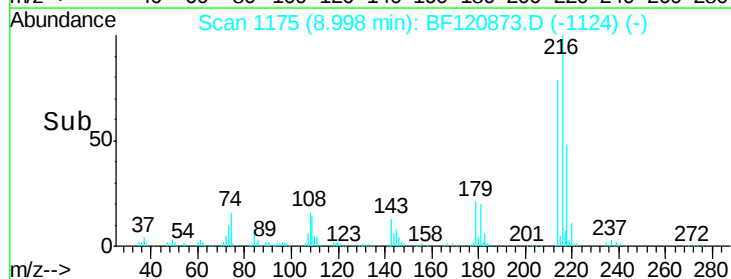


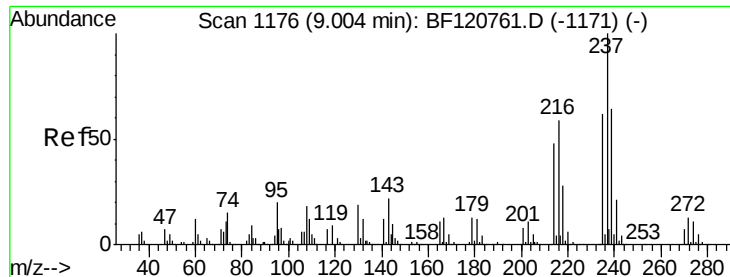
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 79.200 ng

RT: 8.99 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Instrument :

BNA_F

ClientSampleId :

IRON-1MSD

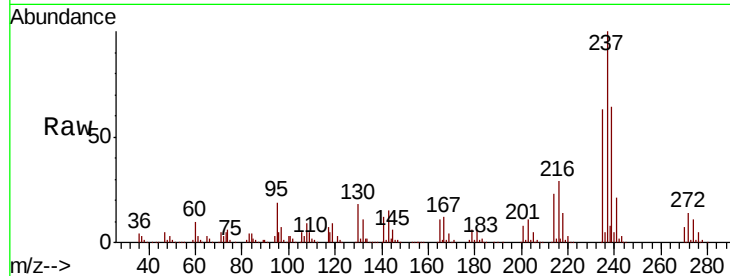
Tot Ion:237 Resp: 527141

Ion Ratio Lower Upper

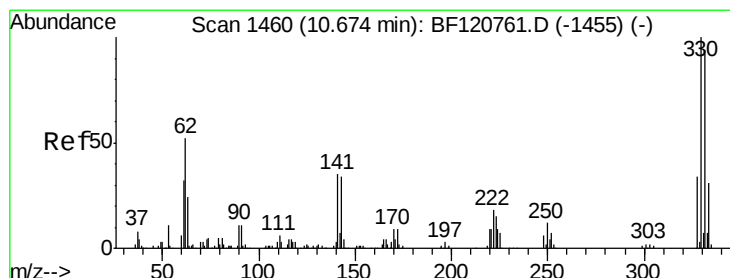
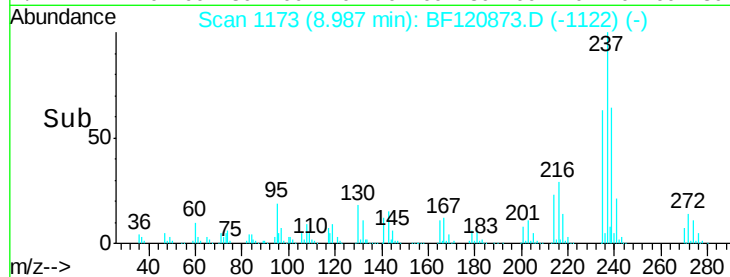
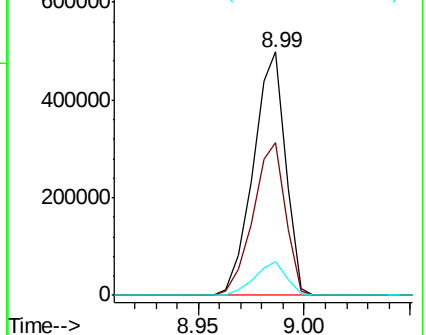
237 100

235 62.9 42.1 82.1

272 13.9 0.0 33.4



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



#42

2,4,6-Tribromophenol

Concen: 74.565 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

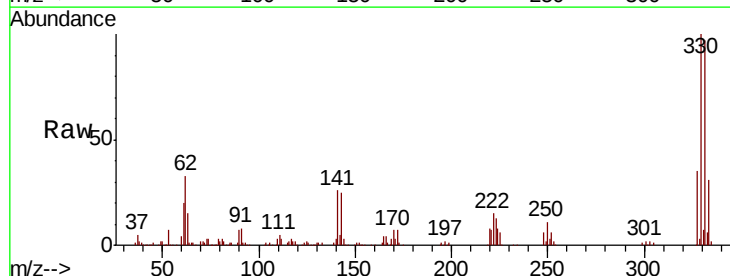
Tgt Ion:330 Resp: 279224

Ion Ratio Lower Upper

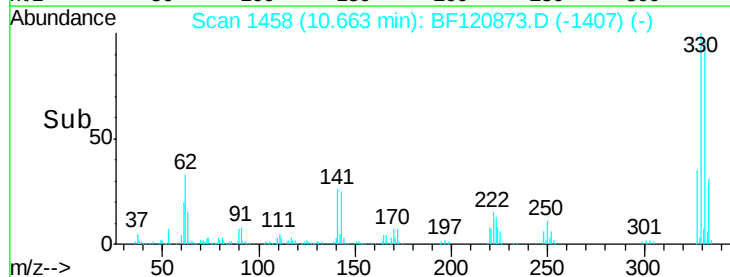
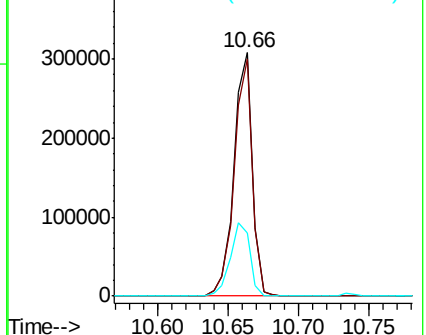
330 100

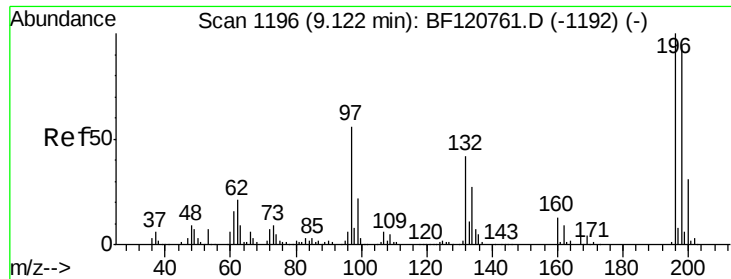
332 96.0 75.8 113.6

141 32.4 29.7 44.5



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

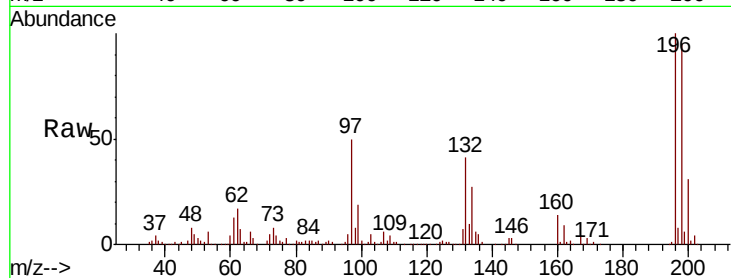




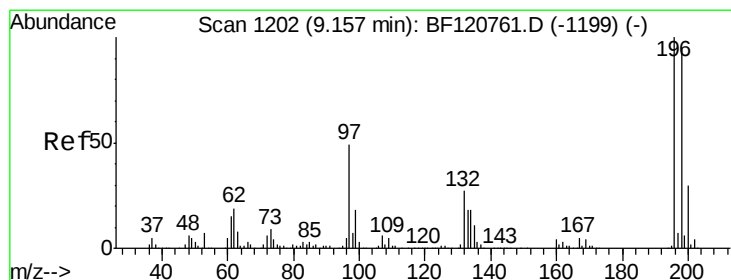
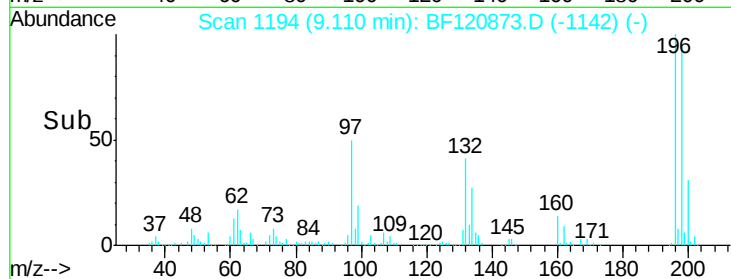
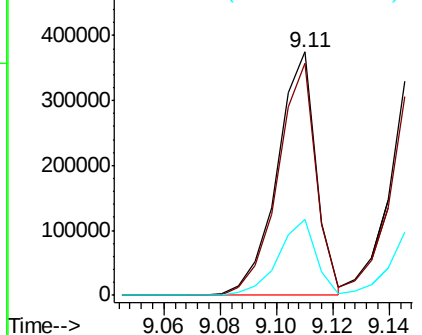
#43
 2,4,6-Trichlorophenol
 Concen: 46.566 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. 0.01 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MSD

Tot Ion	196	Resp	357452
Ion Ratio	Lower	Upper	
196	100		
198	95.1	75.3	112.9
200	31.3	24.4	36.6



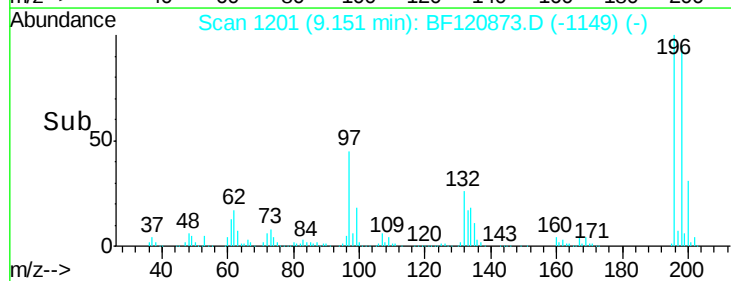
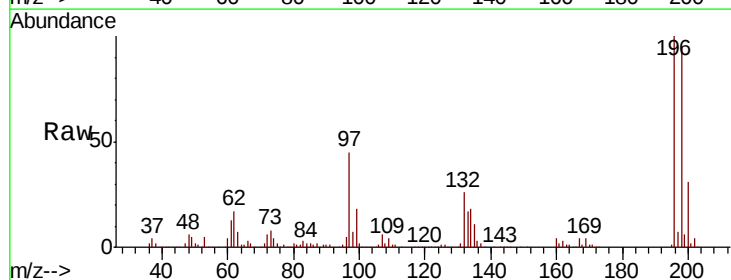
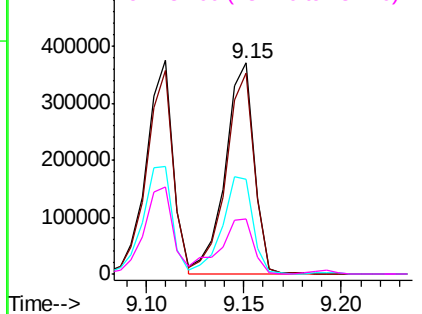
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

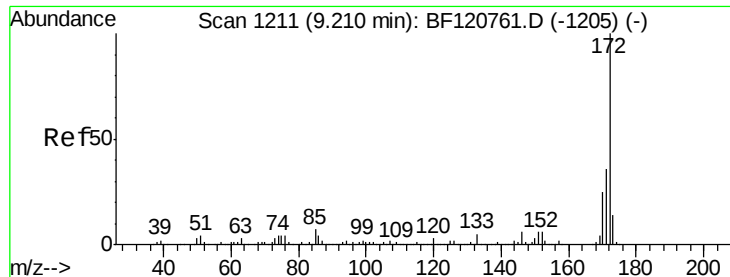


#44
 2,4,5-Trichlorophenol
 Concen: 44.531 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

Tgt Ion	196	Resp	379350
Ion Ratio	Lower	Upper	
196	100		
198	95.1	76.2	114.2
97	44.9	39.6	59.4
132	26.3	22.0	33.0

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

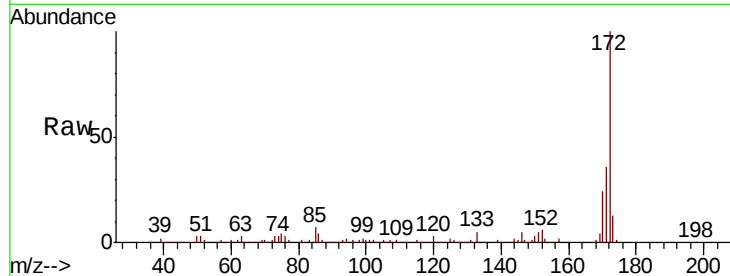




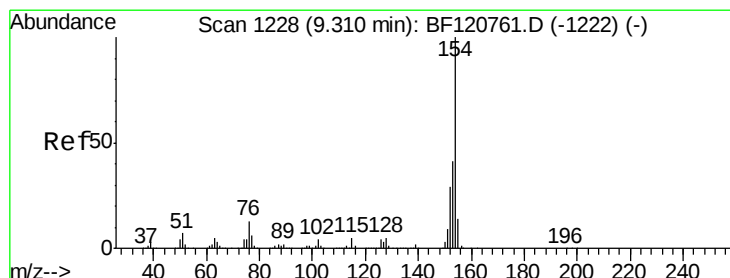
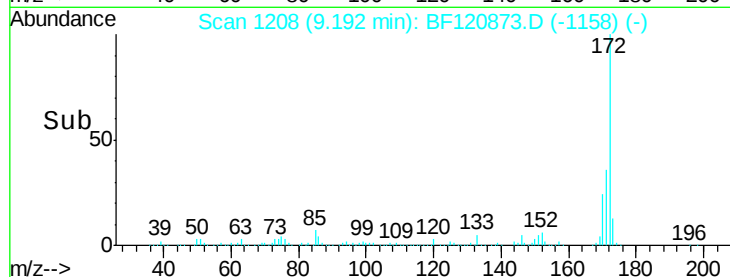
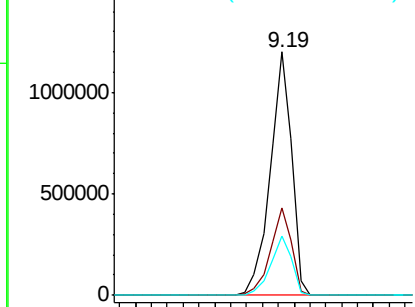
#45
2-Fluorobiphenyl
Concen: 46.050 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Instrument :
BNA_F
ClientSampleId :
IRON-1MSD

Tot Ion:172 Resp: 1134531
Ion Ratio Lower Upper
172 100
171 35.9 29.1 43.7
170 24.2 19.8 29.6

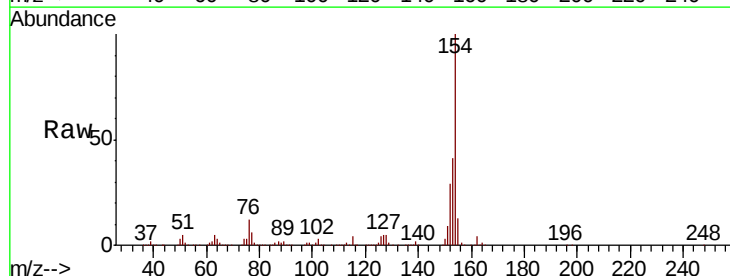


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

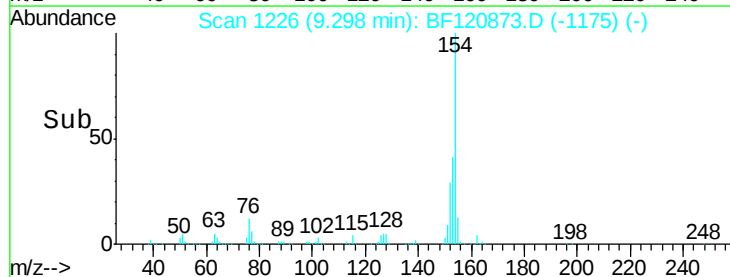
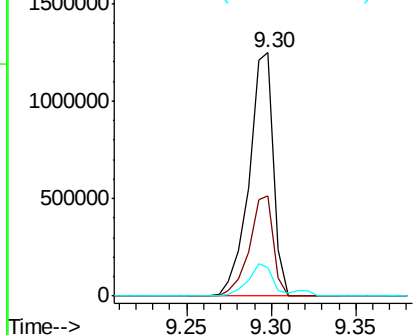


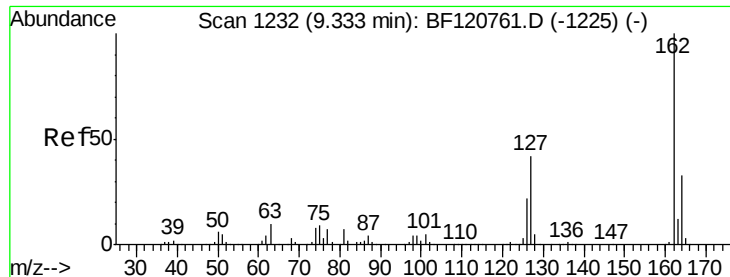
#46
1,1'-Biphenyl
Concen: 42.008 ng
RT: 9.30 min Scan# 1226
Delta R.T. 0.00 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Tgt Ion:154 Resp: 1263029
Ion Ratio Lower Upper
154 100
153 41.0 20.7 60.7
76 11.9 0.0 33.3



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

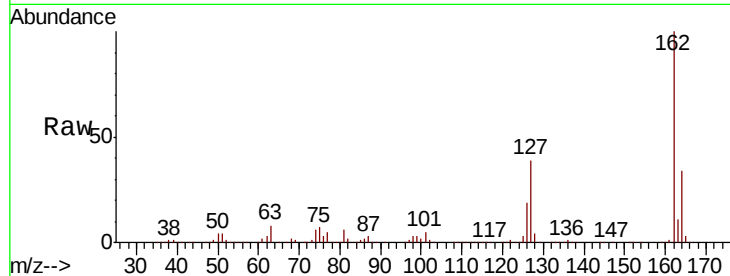




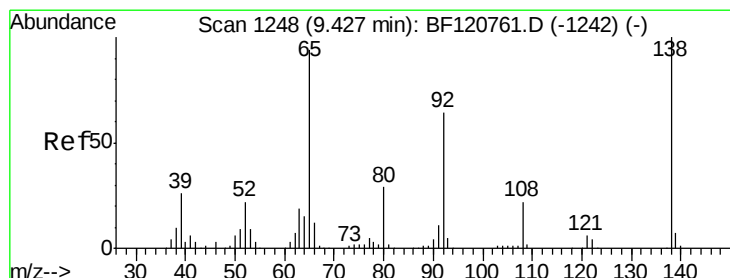
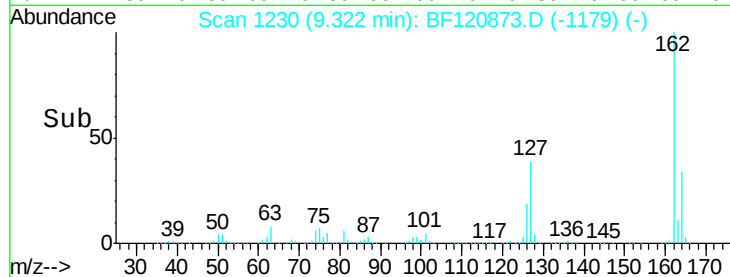
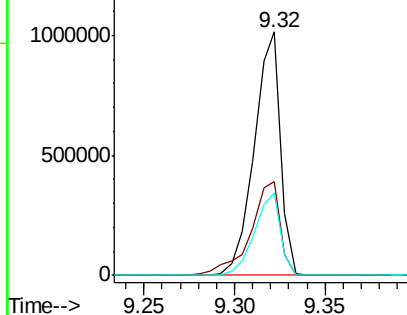
#47
 2-Chloronaphthalene
 Concen: 42.323 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MSD

Tot Ion:162 Resp: 1019434
 Ion Ratio Lower Upper
 162 100
 127 38.7 33.7 50.5
 164 33.7 26.4 39.6

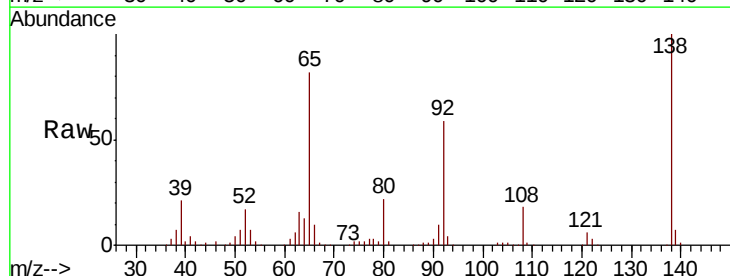


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

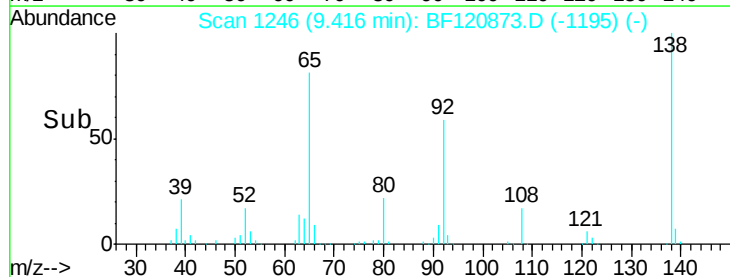
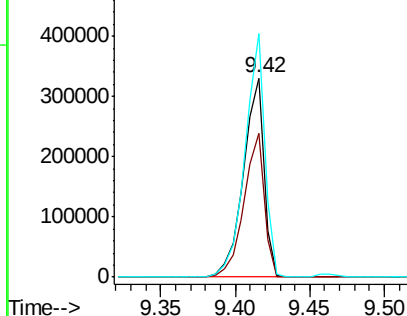


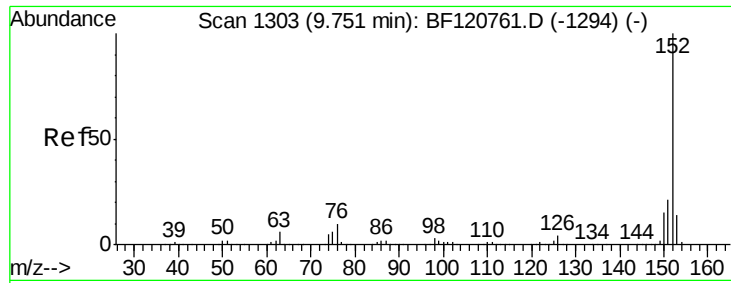
#48
 2-Nitroaniline
 Concen: 44.455 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. 0.00 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

Tgt Ion: 65 Resp: 319149
 Ion Ratio Lower Upper
 65 100
 92 72.1 54.4 81.6
 138 122.3 84.7 127.1



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





#49

Acenaphthylene

Concen: 42.326 ng

RT: 9.73 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Instrument :

BNA_F

ClientSampleId :

IRON-1MSD

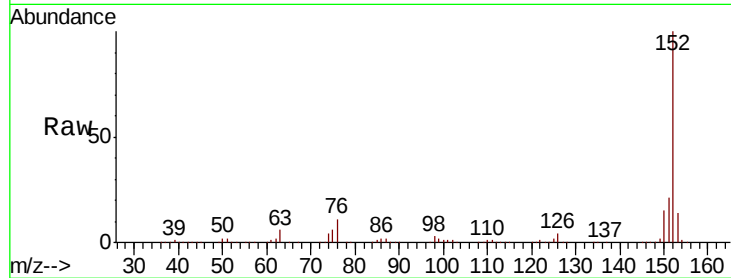
Tot Ion:152 Resp: 1598370

Ion Ratio Lower Upper

152 100

151 20.9 16.9 25.3

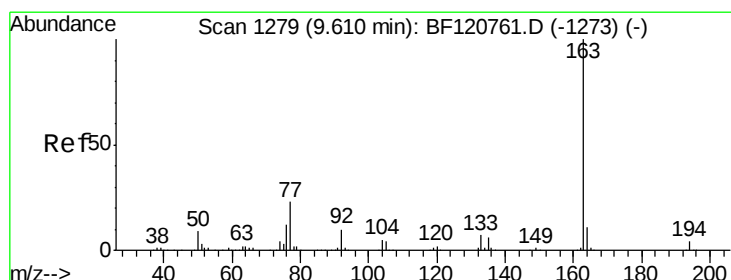
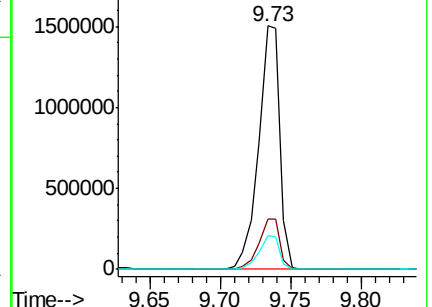
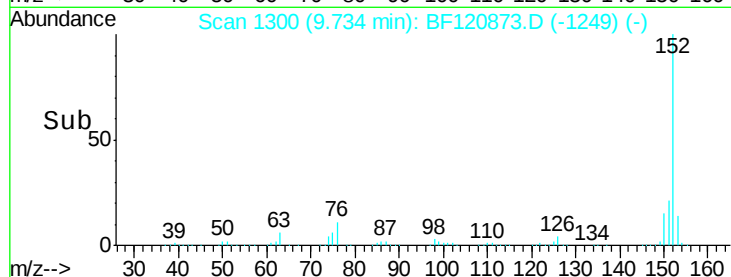
153 13.9 10.8 16.2



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: 49.514 ng

RT: 9.60 min Scan# 1277

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

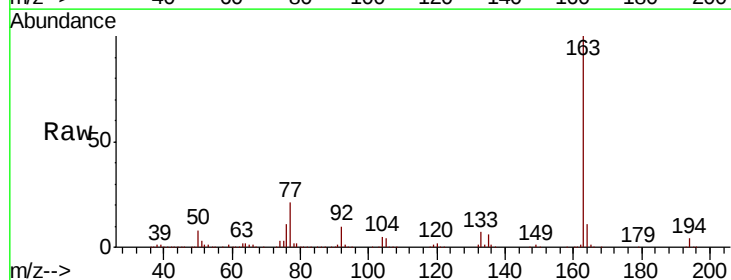
Tgt Ion:163 Resp: 1346307

Ion Ratio Lower Upper

163 100

194 3.9 2.9 4.3

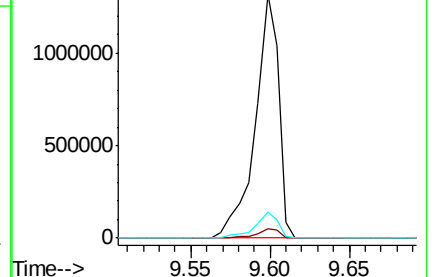
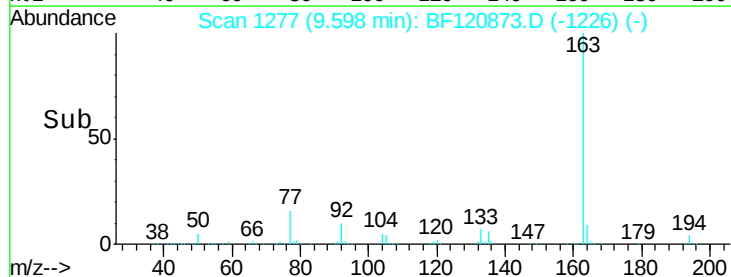
164 10.7 8.5 12.7

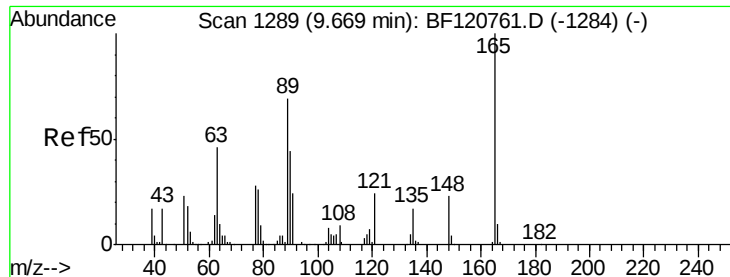


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

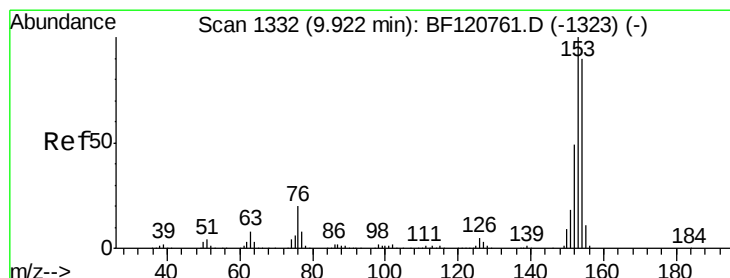
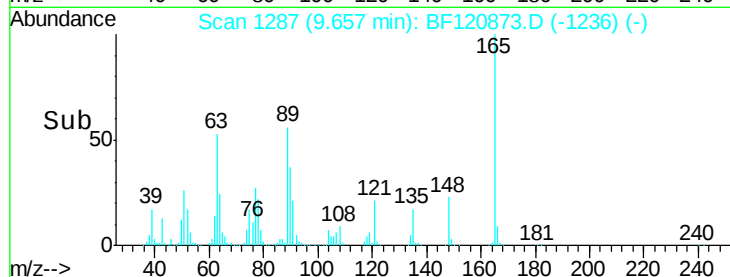
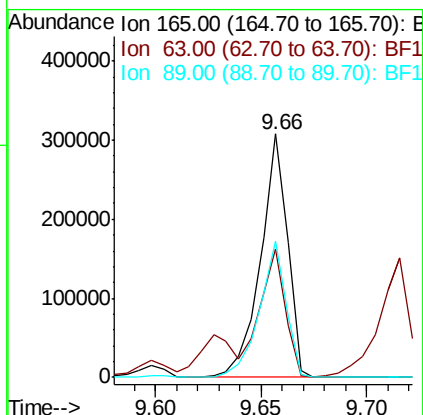
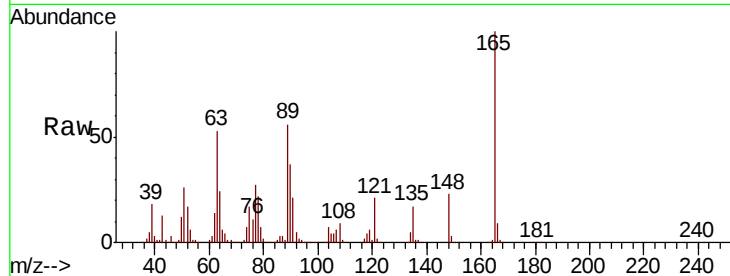




#51
 2,6-Dinitrotoluene
 Concen: 50.410 ng
 RT: 9.66 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

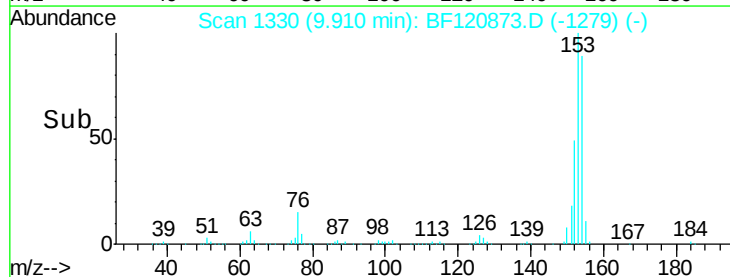
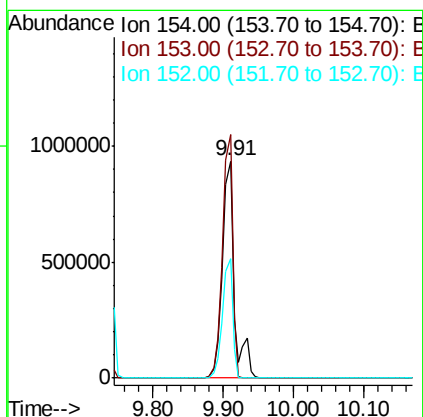
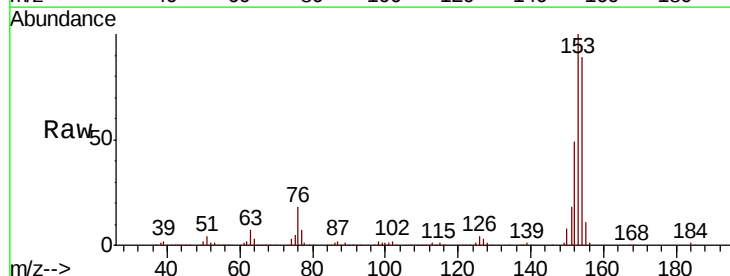
Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MSD

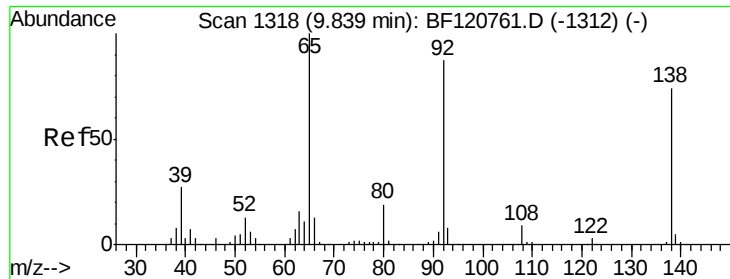
Tot Ion:165 Resp: 273058
 Ion Ratio Lower Upper
 165 100
 63 53.0 54.0 81.0#
 89 56.0 55.4 83.2



#52
 Acenaphthene
 Concen: 46.422 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

Tgt Ion:154 Resp: 1087562
 Ion Ratio Lower Upper
 154 100
 153 112.0 88.6 132.8
 152 55.1 43.6 65.4

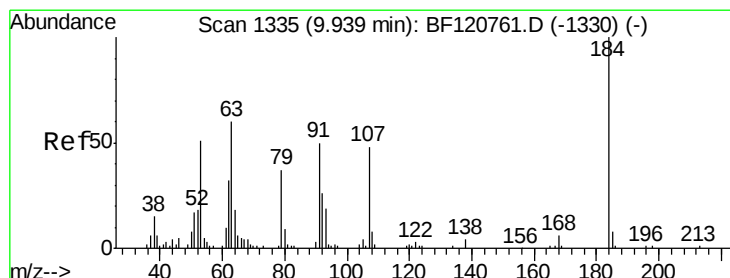
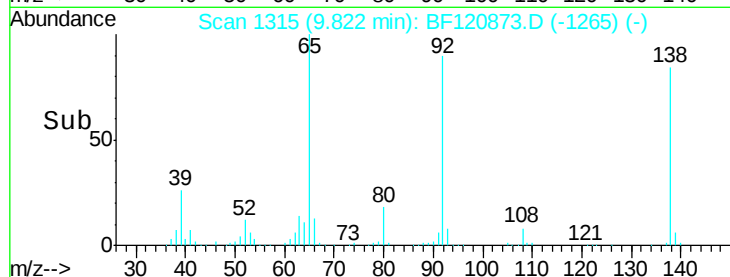
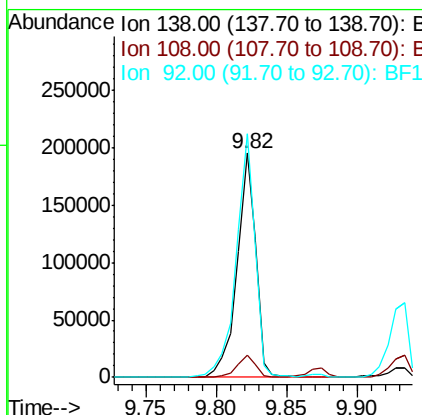
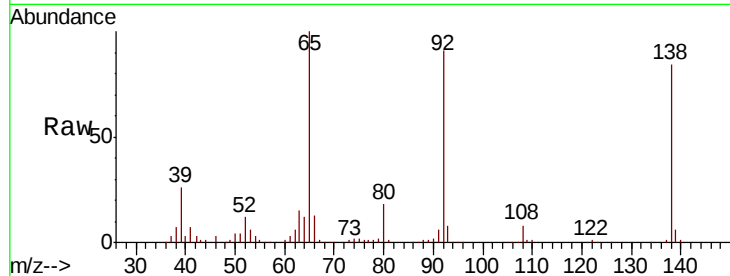




#53
 3-Nitroaniline
 Concen: 28.011 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

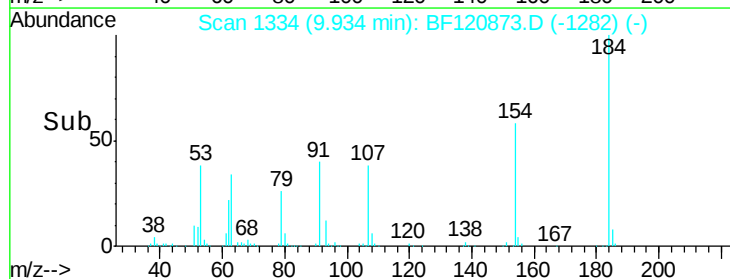
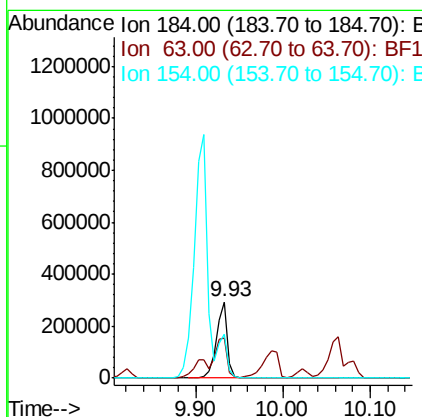
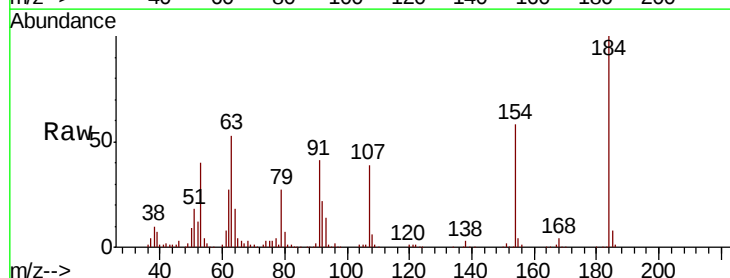
Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MSD

Tot Ion:138 Resp: 179396
 Ion Ratio Lower Upper
 138 100
 108 9.8 9.8 14.6
 92 108.6 93.4 140.2



#54
 2,4-Dinitrophenol
 Concen: 115.804 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

Tgt Ion:184 Resp: 256493
 Ion Ratio Lower Upper
 184 100
 63 52.7 57.3 85.9#
 154 58.5 55.8 83.6

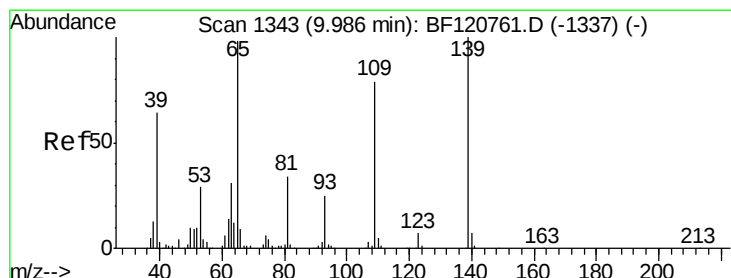
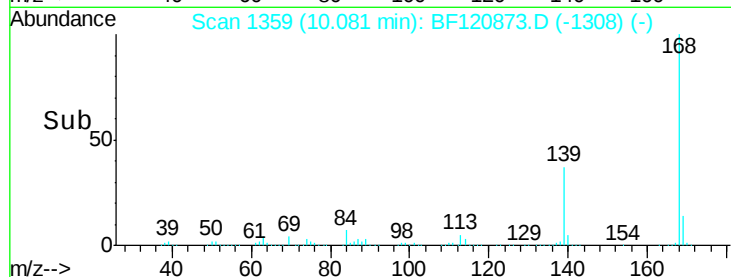
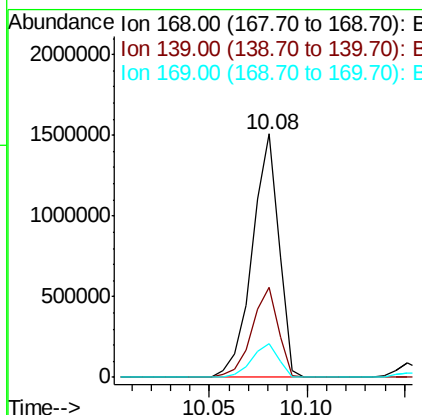
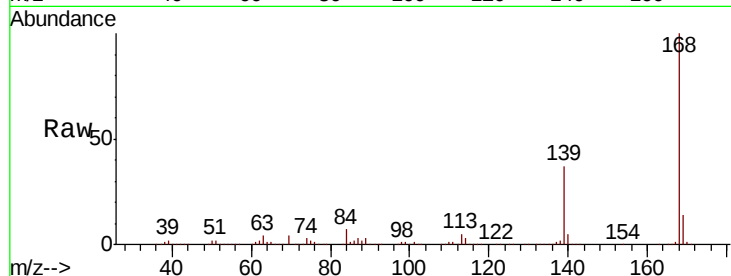




#55
Dibenzenofuran
Concen: 42.238 ng
RT: 10.08 min Scan# 1359
Delta R.T. 0.00 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

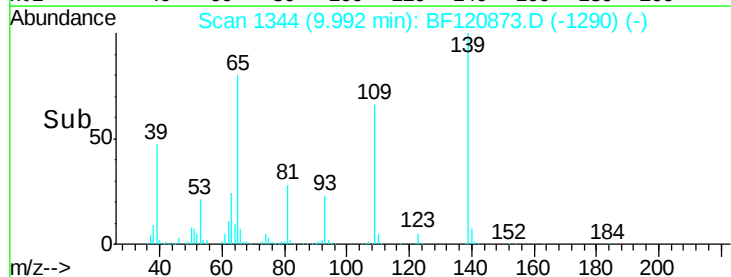
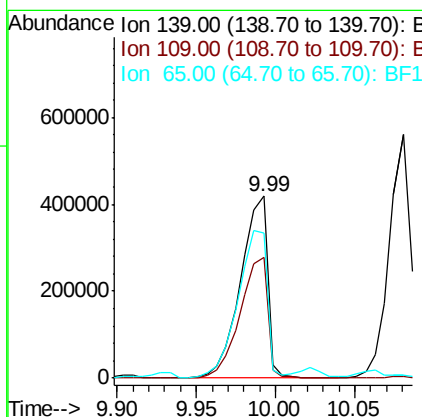
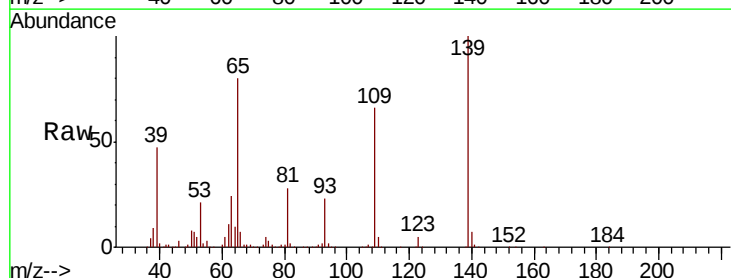
Instrument :
BNA_F
ClientSampleId :
IRON-1MSD

Tot Ion:168 Resp: 1426390
Ion Ratio Lower Upper
168 100
139 37.1 31.3 46.9
169 13.7 11.2 16.8



#56
4-Nitrophenol
Concen: 98.811 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.02 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Tgt Ion:139 Resp: 495243
Ion Ratio Lower Upper
139 100
109 66.2 58.6 98.6
65 79.5 78.7 118.7

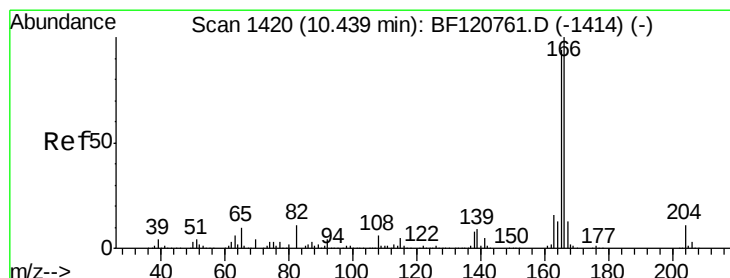
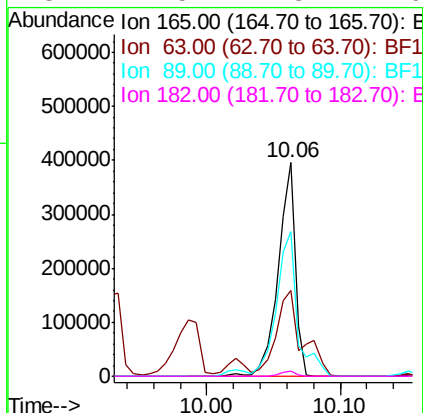
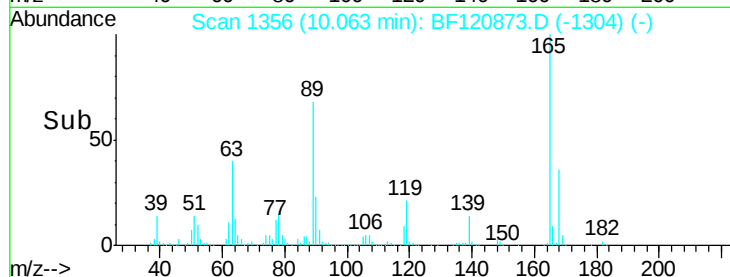
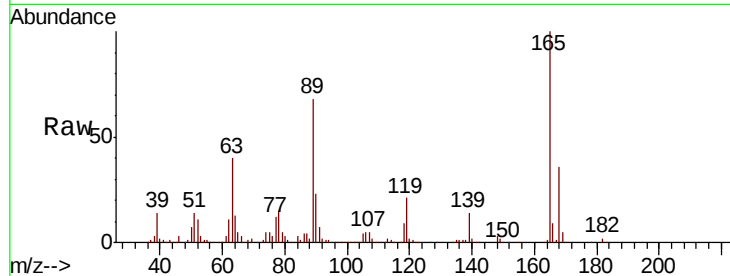




#57
2,4-Dinitrotoluene
Concen: 53.052 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.01 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

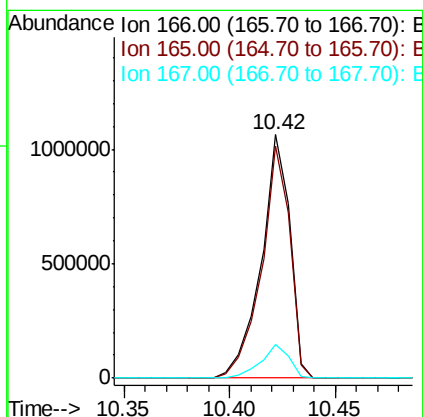
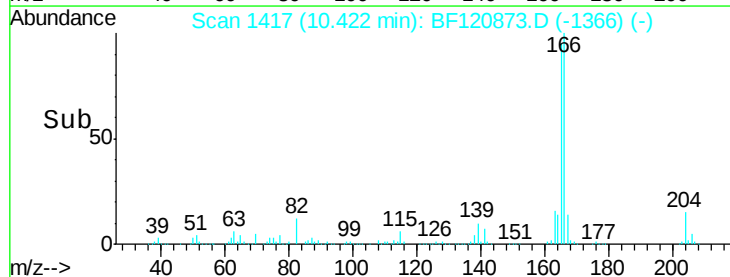
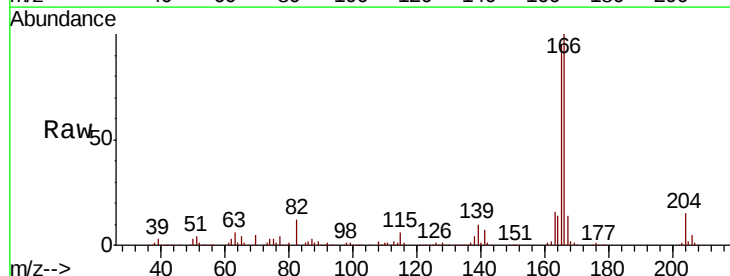
Instrument :
BNA_F
ClientSampleId :
IRON-1MSD

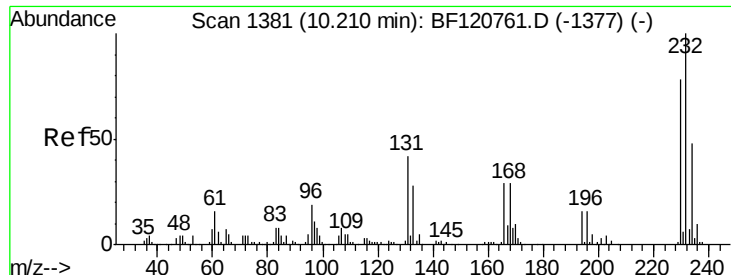
Tot Ion:165 Resp: 359431
Ion Ratio Lower Upper
165 100
63 40.0 43.8 65.8#
89 67.7 71.4 107.2#
182 2.5 1.8 2.6



#58
Fluorene
Concen: 39.956 ng
RT: 10.42 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Tgt Ion:166 Resp: 1004326
Ion Ratio Lower Upper
166 100
165 95.3 75.5 113.3
167 13.9 10.6 16.0

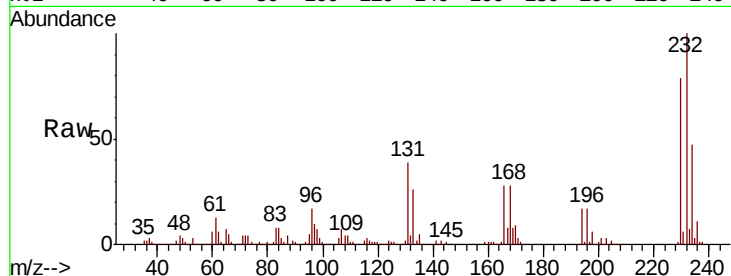




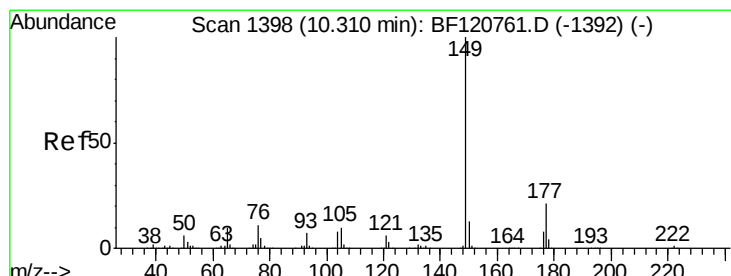
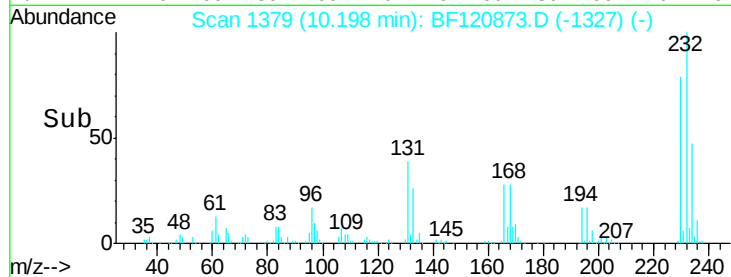
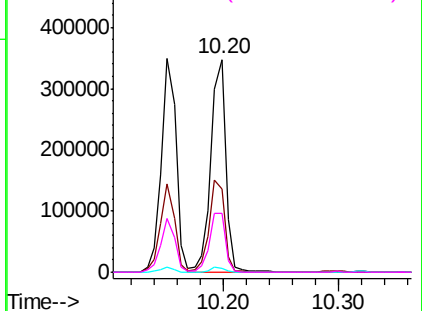
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 49.328 ng
 RT: 10.20 min Scan# 1379
 Delta R.T. 0.01 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MSD

Tot Ion:232 Resp: 312706
 Ion Ratio Lower Upper
 232 100
 131 44.8 36.3 54.5
 130 2.2 2.0 3.0
 166 30.0 20.9 31.3

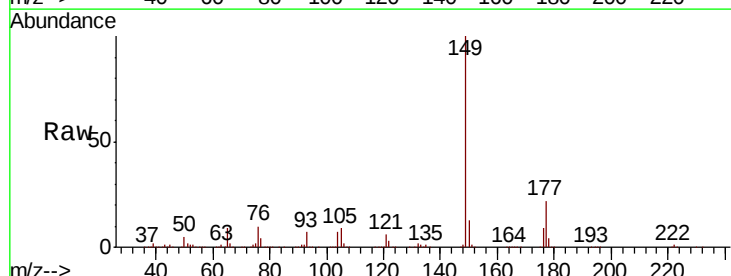


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

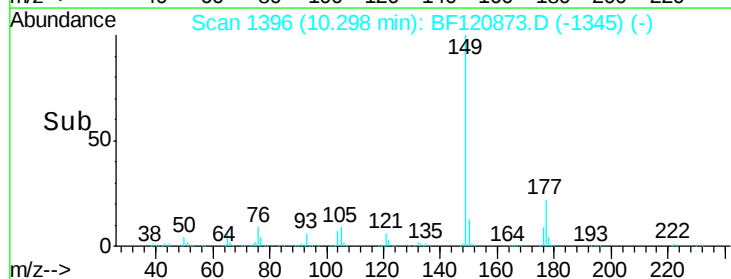
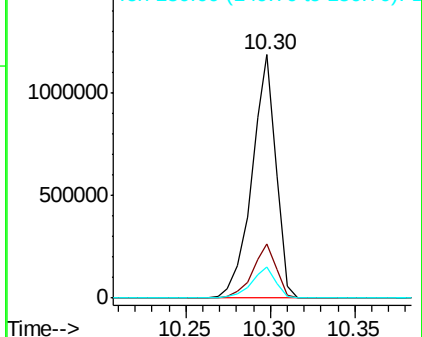


#60
 Diethylphthalate
 Concen: 41.666 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. 0.00 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

Tgt Ion:149 Resp: 1180179
 Ion Ratio Lower Upper
 149 100
 177 22.3 16.4 24.6
 150 12.8 10.2 15.4



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

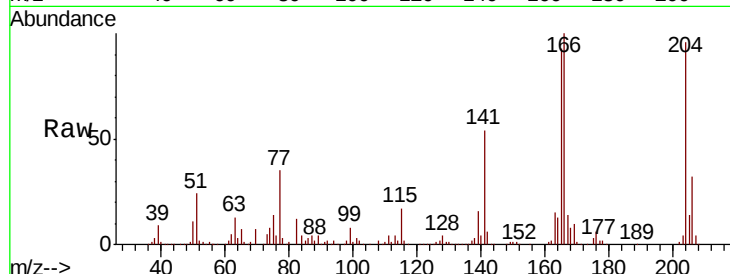




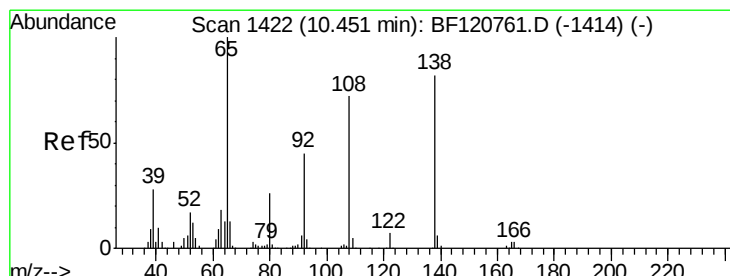
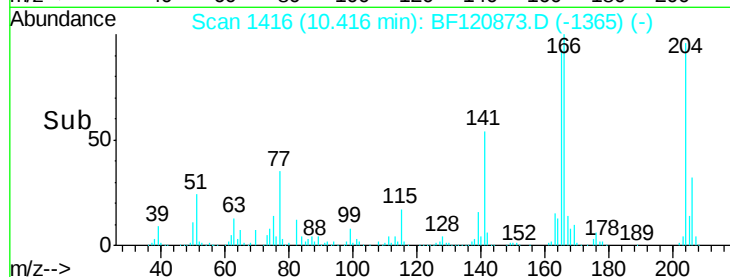
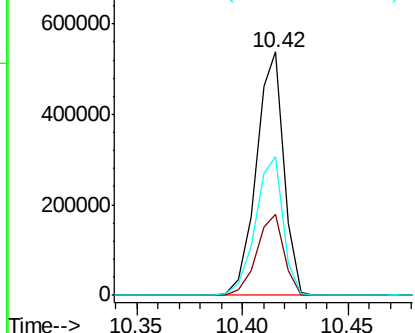
#61
 4-Chlorophenyl-phenylether
 Concen: 38.550 ng
 RT: 10.42 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MSD

Tot Ion:	204	Resp:	487118
Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.7	40.1
141	56.7	48.5	72.7

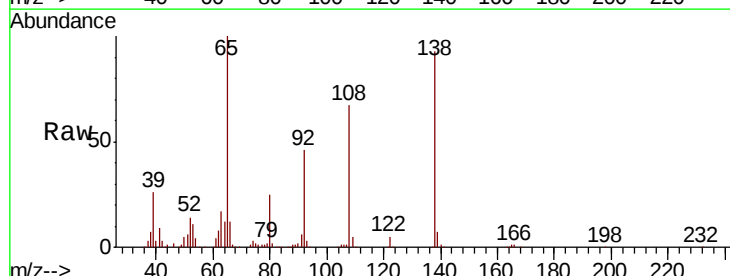


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

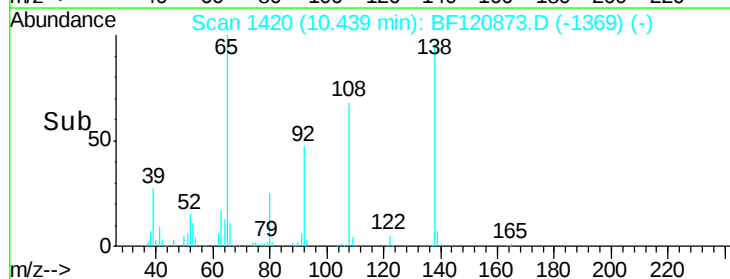
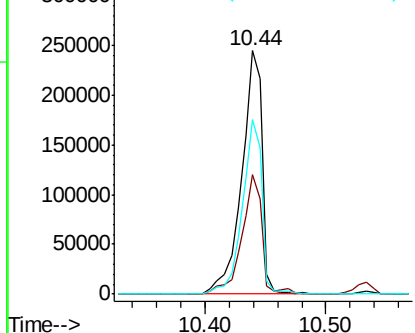


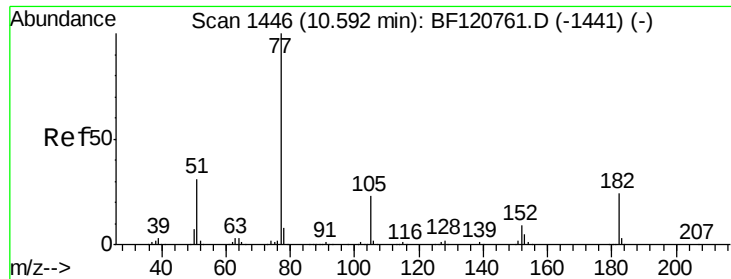
#62
 4-Nitroaniline
 Concen: 49.912 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. 0.00 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

Tgt Ion:	138	Resp:	288349
Ion	Ratio	Lower	Upper
138	100		
92	49.2	34.3	74.3
108	71.5	68.3	108.3



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 38.522 ng

RT: 10.57 min Scan# 1443

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Instrument :

BNA_F

ClientSampleId :

IRON-1MSD

Tot Ion: 77 Resp: 1116169

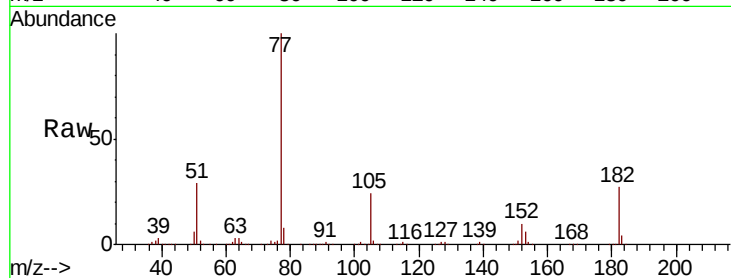
Ion Ratio Lower Upper

77 100

182 27.2 4.0 44.0

105 23.9 2.6 42.6

51 28.7 11.5 51.5

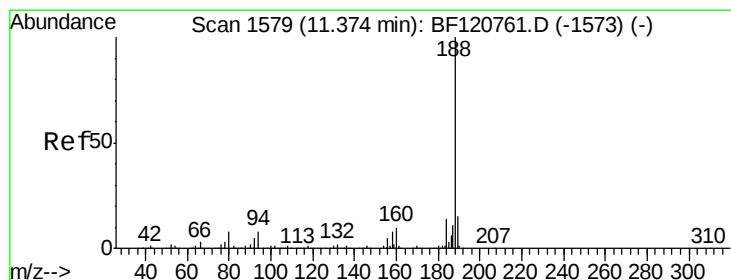
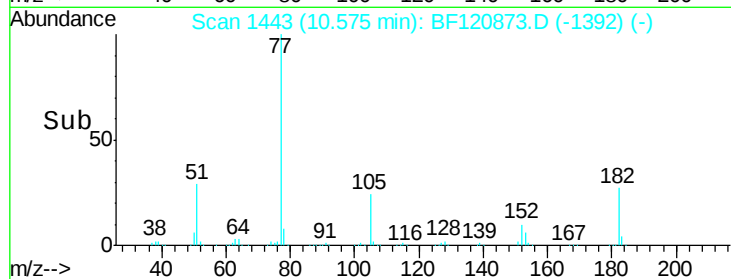
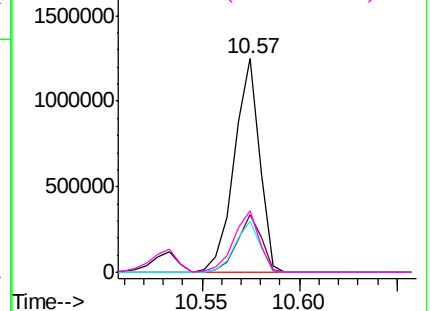


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

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: BF120873.D

Acq: 15 Jul 2020 15:12

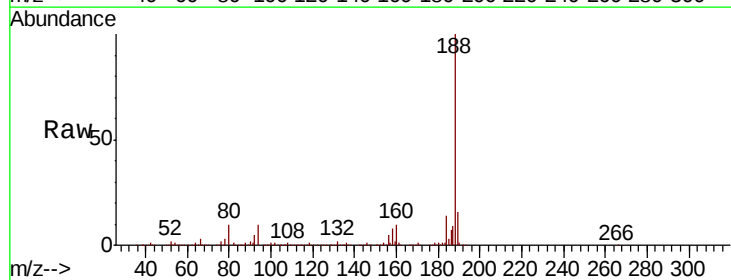
Tgt Ion: 188 Resp: 699449

Ion Ratio Lower Upper

188 100

94 9.5 6.6 9.8

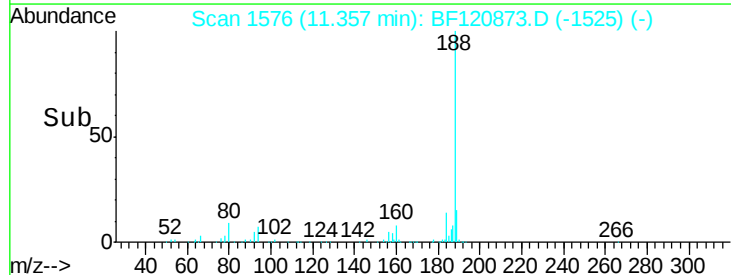
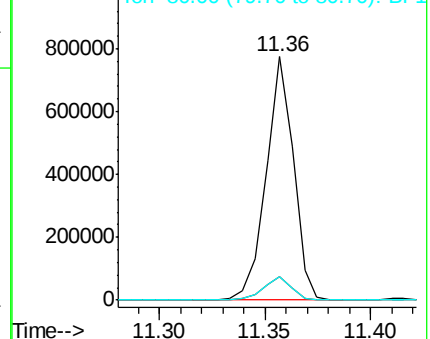
80 9.9 6.6 10.0

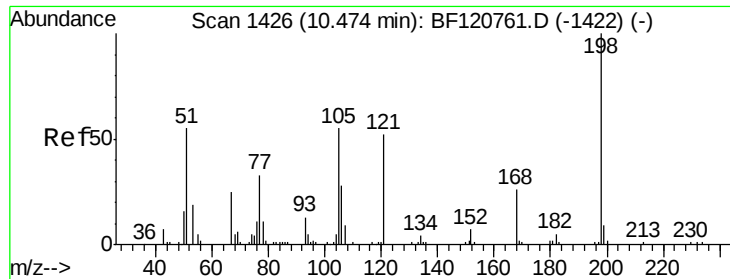


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

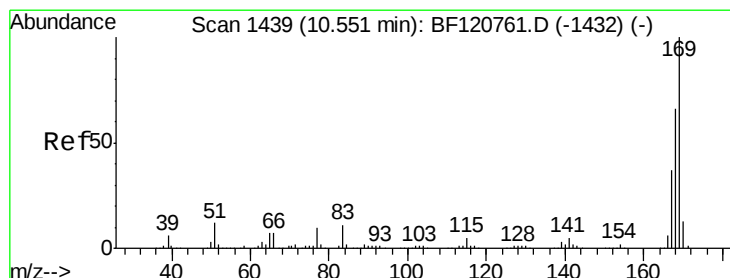
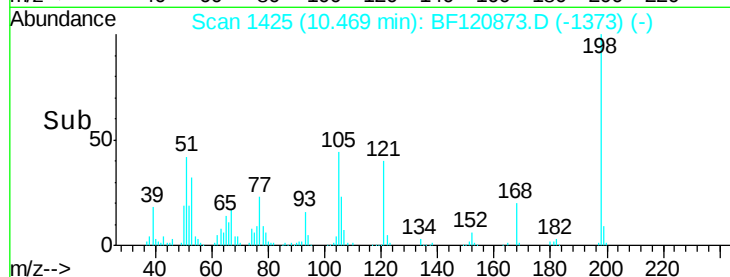
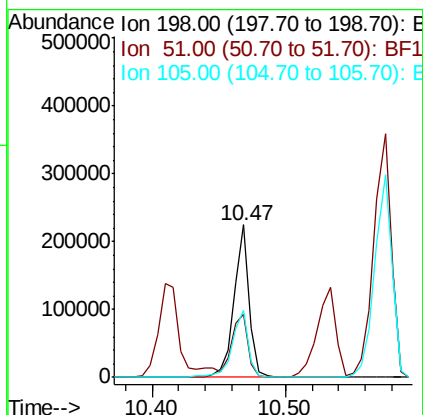
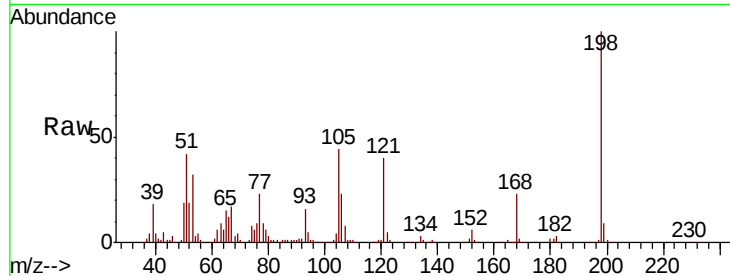




#65
4,6-Dinitro-2-methylphenol
Concen: 59.251 ng
RT: 10.47 min Scan# 1425
Delta R.T. 0.01 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

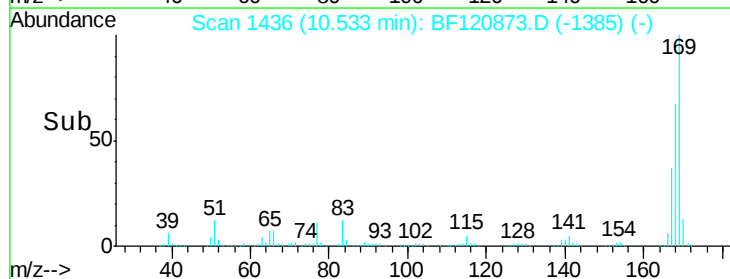
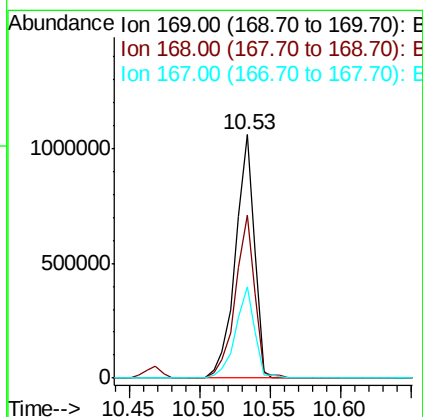
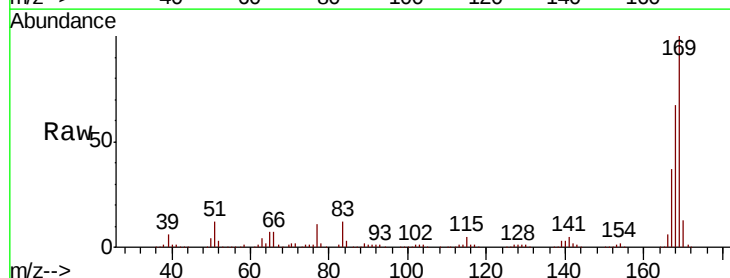
Instrument :
BNA_F
ClientSampleId :
IRON-1MSD

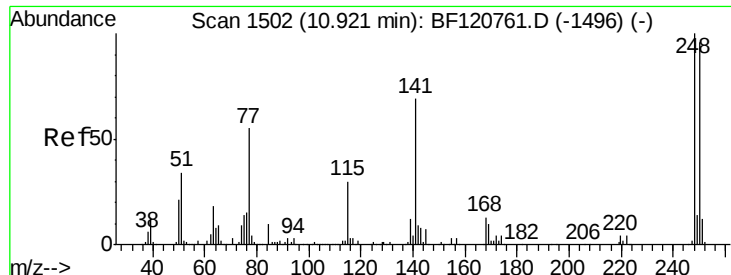
Tot Ion:198 Resp: 179931
Ion Ratio Lower Upper
198 100
51 41.7 50.0 90.0#
105 43.8 38.3 78.3



#66
n-Nitrosodiphenylamine
Concen: 42.314 ng
RT: 10.53 min Scan# 1436
Delta R.T. 0.00 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Tgt Ion:169 Resp: 992004
Ion Ratio Lower Upper
169 100
168 66.8 53.1 79.7
167 37.4 29.6 44.4

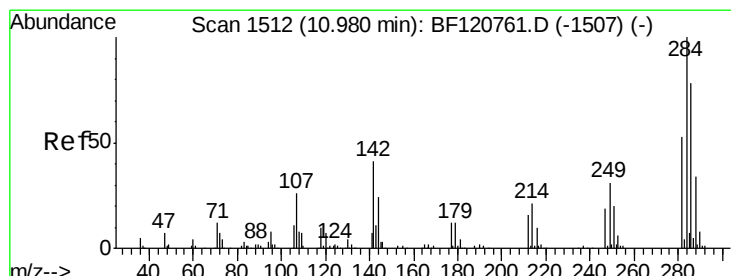
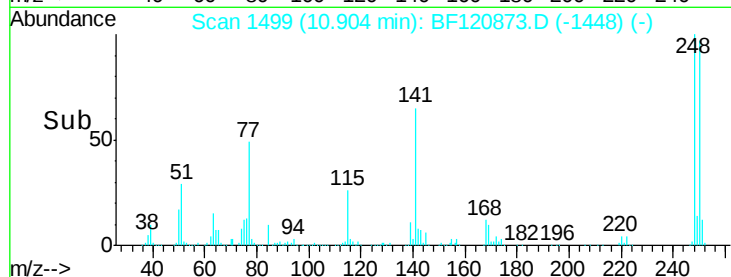
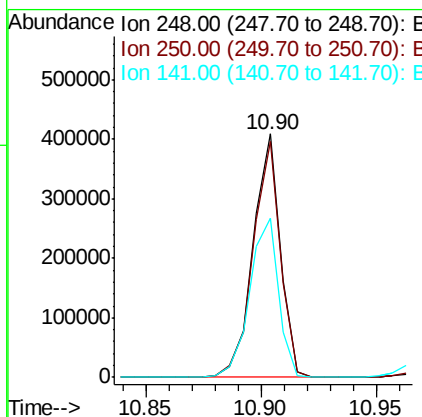
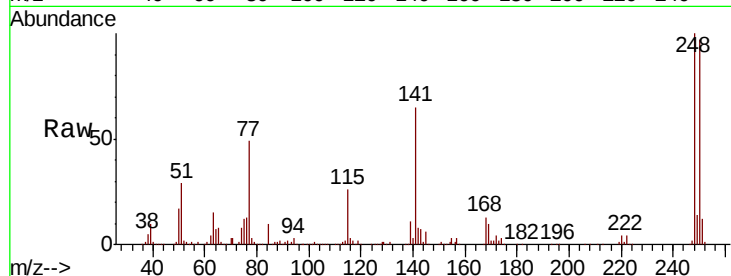




#67
 4-Bromophenyl-phenylether
 Concen: 41.532 ng
 RT: 10.90 min Scan# 1499
 Delta R.T. 0.00 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

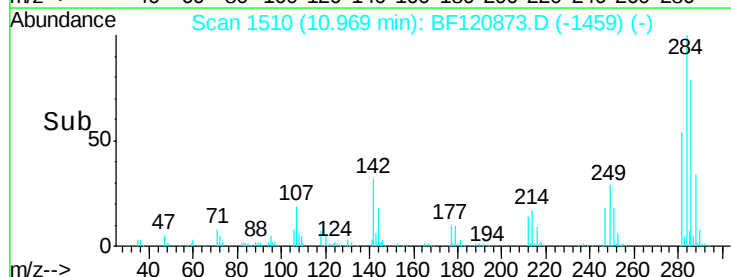
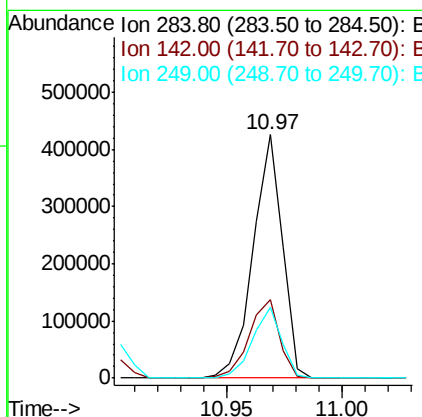
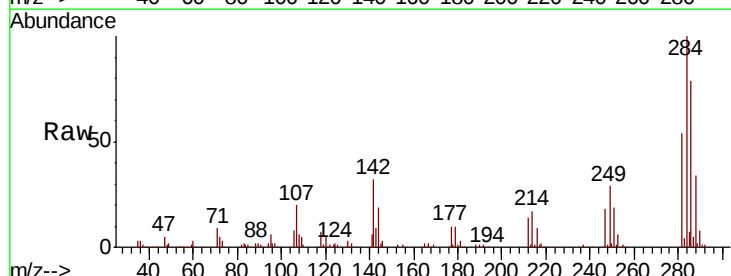
Instrument :
 BNA_F
 ClientSampled :
 IRON-1MSD

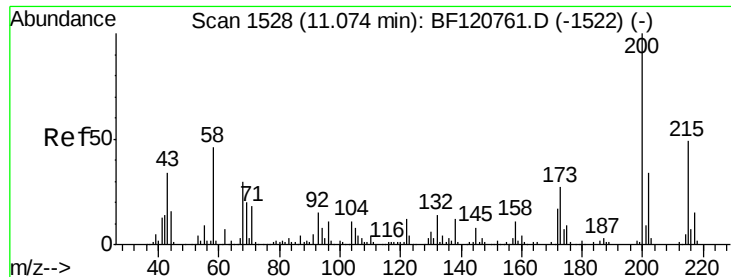
Tot Ion:248 Resp: 336972
 Ion Ratio Lower Upper
 248 100
 250 96.9 76.5 114.7
 141 65.4 54.9 82.3



#68
 Hexachlorobenzene
 Concen: 44.358 ng
 RT: 10.97 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

Tgt Ion:284 Resp: 377662
 Ion Ratio Lower Upper
 284 100
 142 32.4 32.5 48.7#
 249 29.0 24.8 37.2

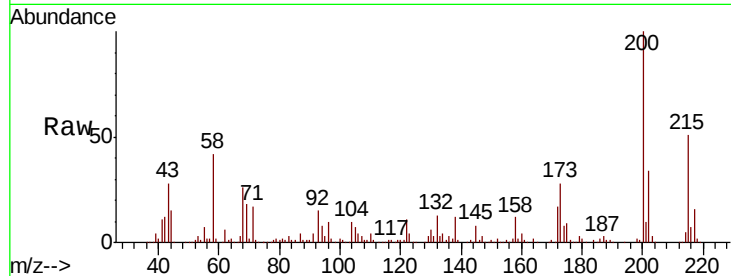




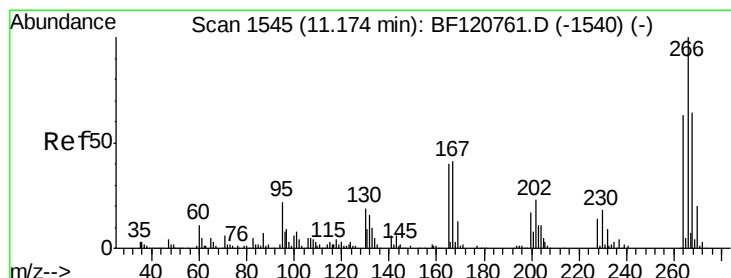
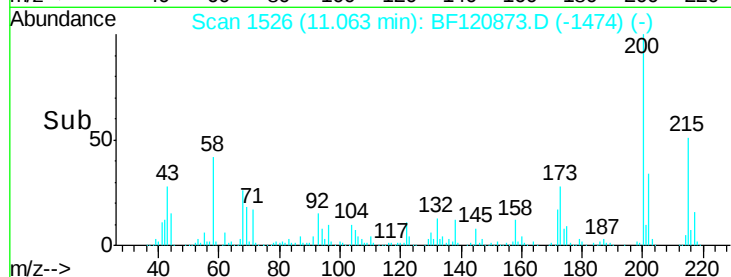
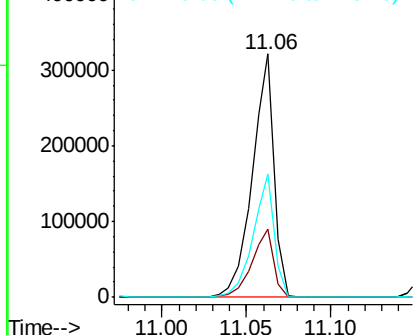
#69
Atrazine
Concen: 47.836 ng
RT: 11.06 min Scan# 1526
Delta R.T. 0.01 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Instrument :
BNA_F
ClientSampleId :
IRON-1MSD

Tot Ion:200 Resp: 288914
Ion Ratio Lower Upper
200 100
173 27.9 7.4 47.4
215 50.6 28.8 68.8

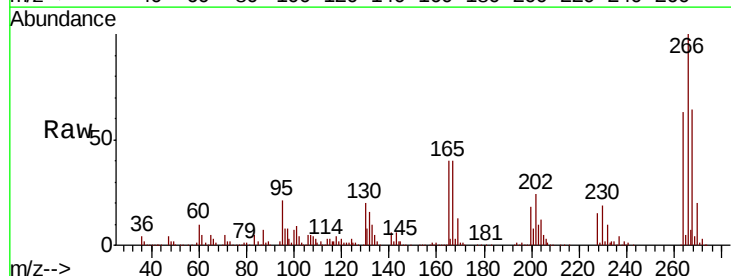


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

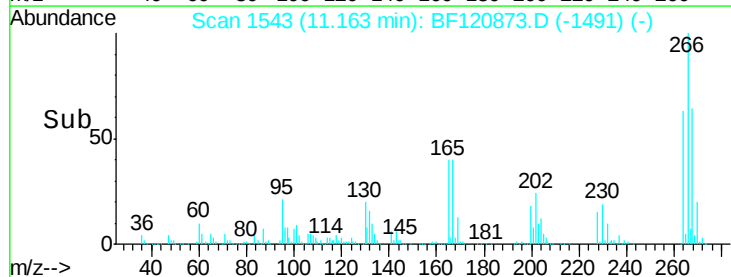
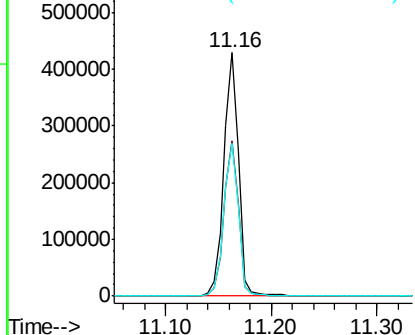


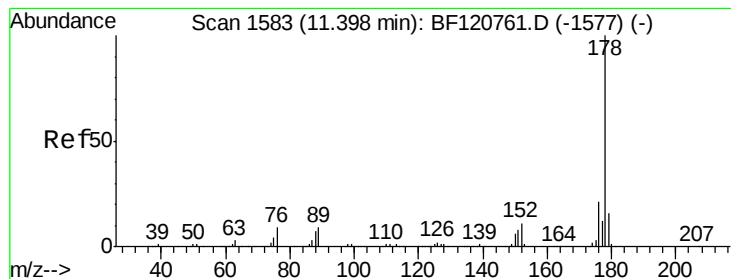
#70
Pentachlorophenol
Concen: 87.028 ng
RT: 11.16 min Scan# 1543
Delta R.T. 0.01 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Tgt Ion:266 Resp: 419219
Ion Ratio Lower Upper
266 100
268 63.8 51.4 77.2
264 63.0 50.6 75.8



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 40.831 ng

RT: 11.39 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Instrument :

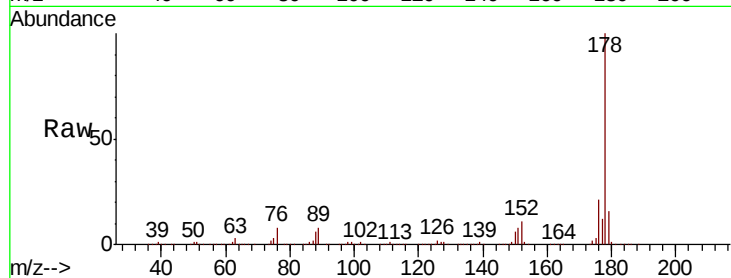
BNA_F

ClientSampleId :

IRON-1MSD

Tot Ion:178 Resp: 1549574

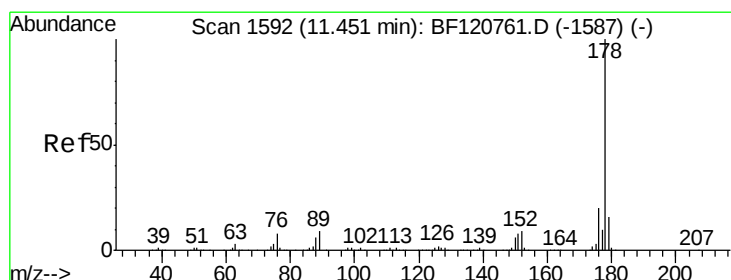
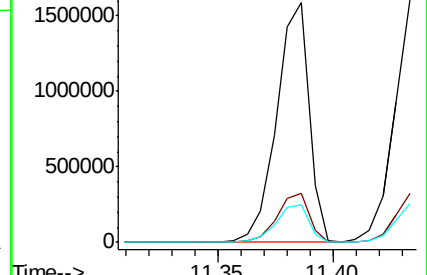
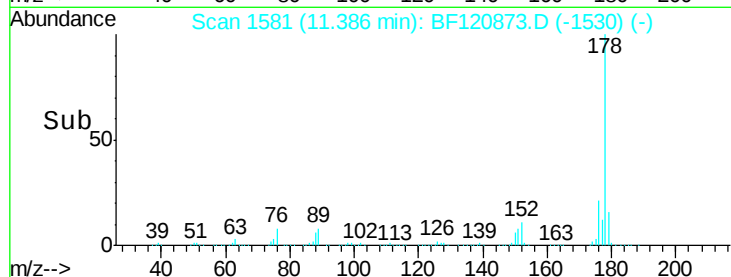
Ion	Ratio	Lower	Upper
178	100		
176	20.7	16.4	24.6
179	15.8	12.9	19.3



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: 42.469 ng

RT: 11.43 min Scan# 1589

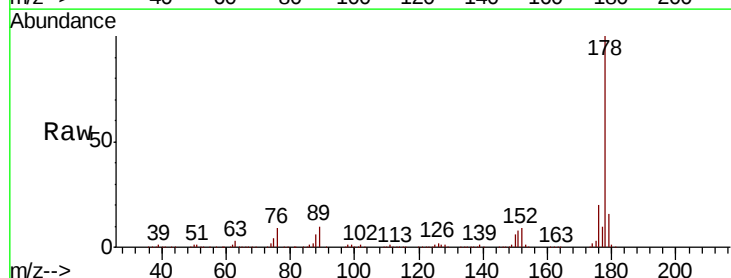
Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Tgt Ion:178 Resp: 1628671

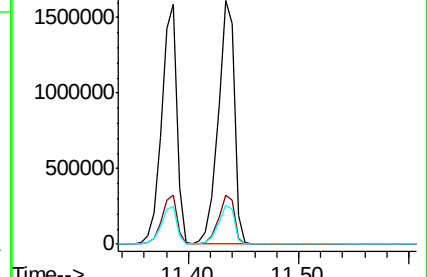
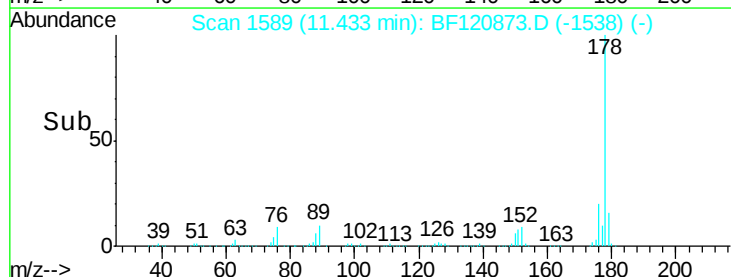
Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.2	24.2
179	16.1	12.7	19.1

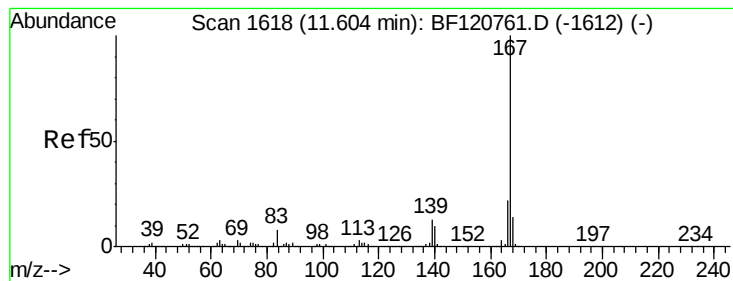


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 41.182 ng

RT: 11.59 min Scan# 1615

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Instrument :

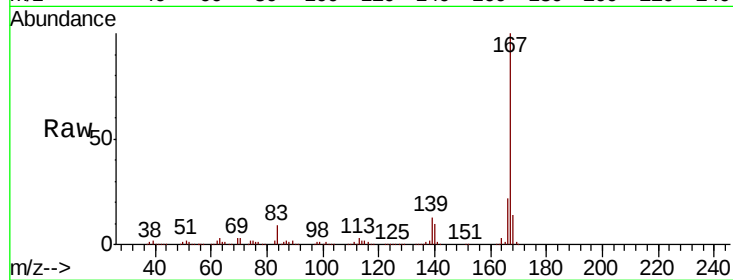
BNA_F

ClientSampleId :

IRON-1MSD

Tot Ion:167 Resp: 1517692

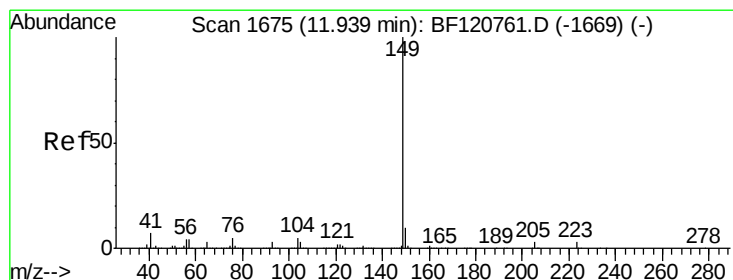
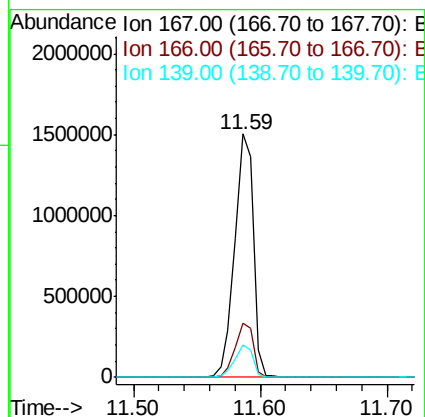
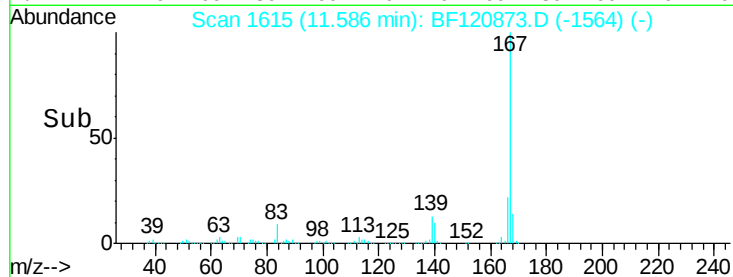
Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.8	26.8
139	13.1	10.7	16.1



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 39.337 ng

RT: 11.92 min Scan# 1672

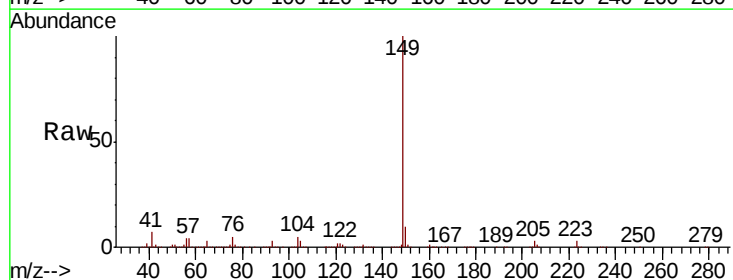
Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Tgt Ion:149 Resp: 1794803

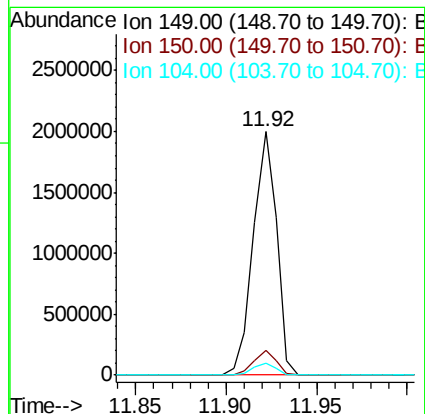
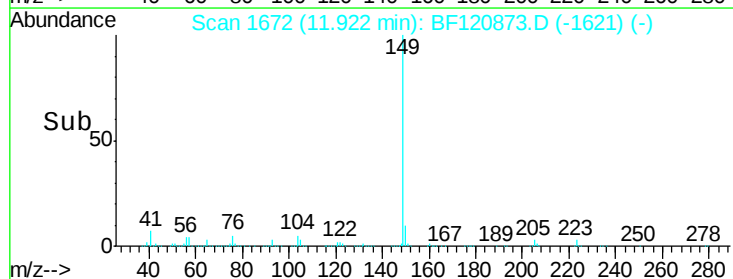
Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.7	11.5
104	5.0	4.0	6.0

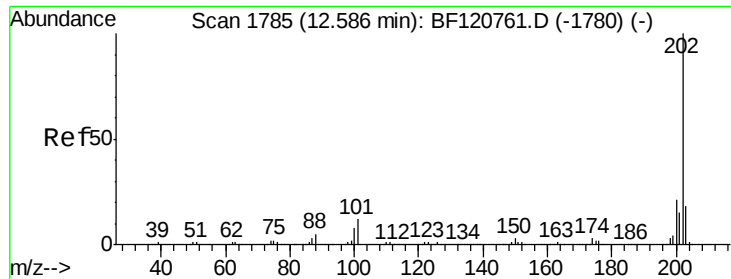


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

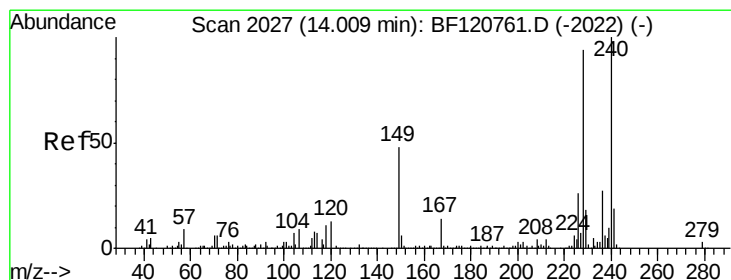
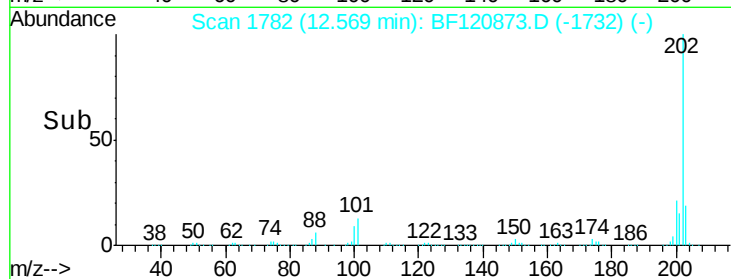
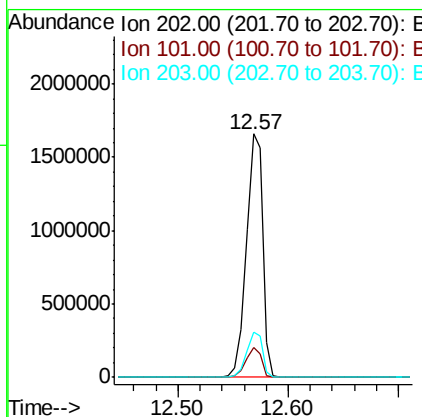
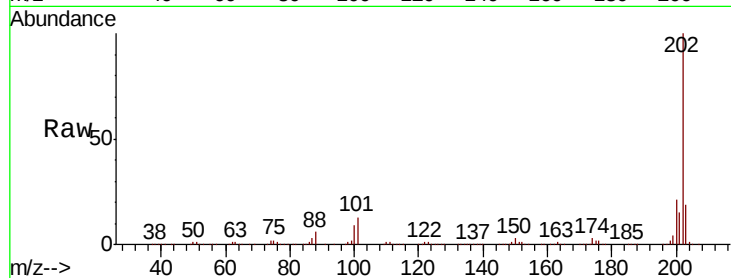




#75
Fluoranthene
Concen: 42.757 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

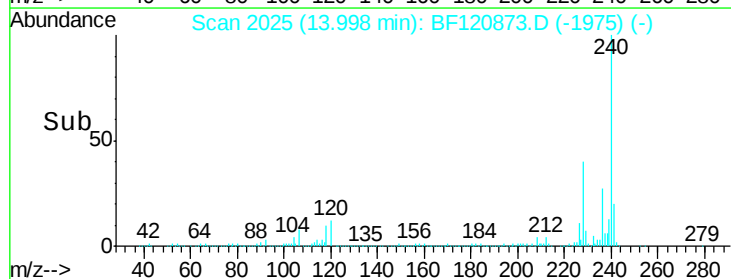
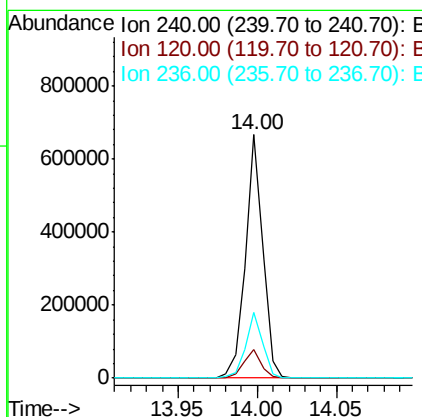
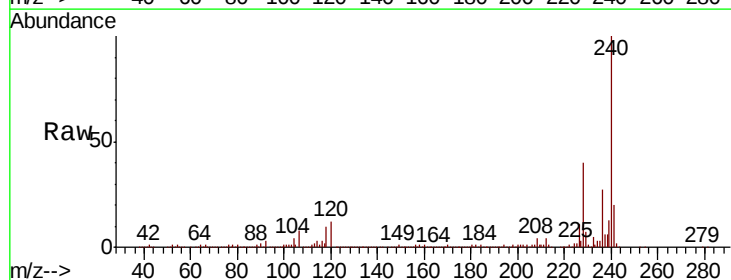
Instrument :
BNA_F
ClientSampleId :
IRON-1MSD

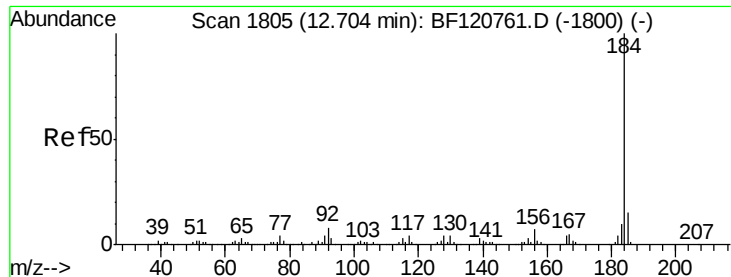
Tot Ion:202 Resp: 1728606
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.6
203 18.7 0.0 38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Tgt Ion:240 Resp: 503600
Ion Ratio Lower Upper
240 100
120 11.8 10.3 15.5
236 26.9 21.4 32.2





#77

Benzidine

Concen: 53.348 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Instrument :

BNA_F

ClientSampleId :

IRON-1MSD

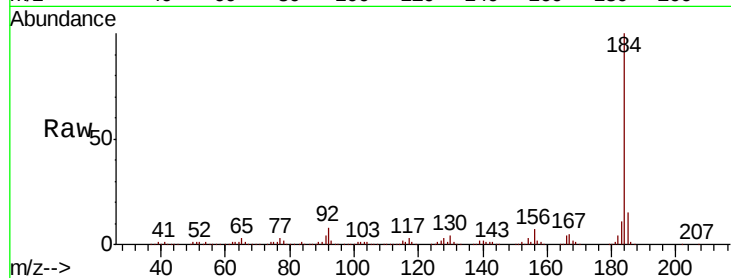
Tot Ion:184 Resp: 758318

Ion Ratio Lower Upper

184 100

185 14.7 11.8 17.8

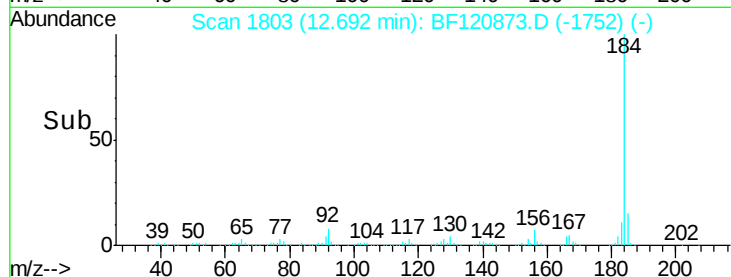
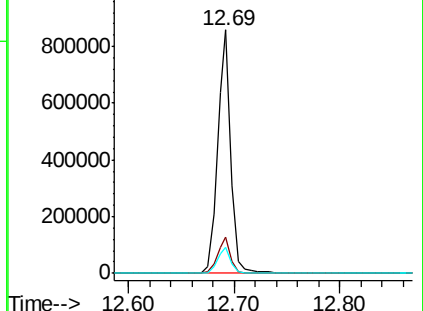
183 10.9 8.3 12.5



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 43.887 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

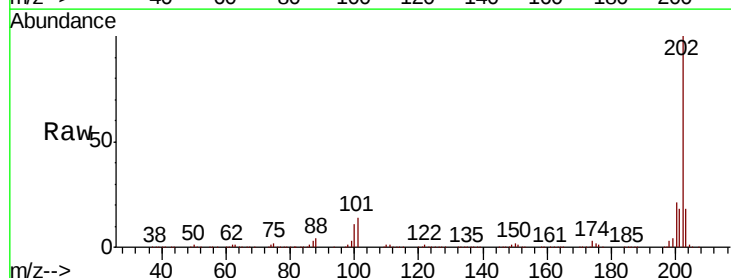
Tgt Ion:202 Resp: 1765156

Ion Ratio Lower Upper

202 100

200 21.3 17.3 25.9

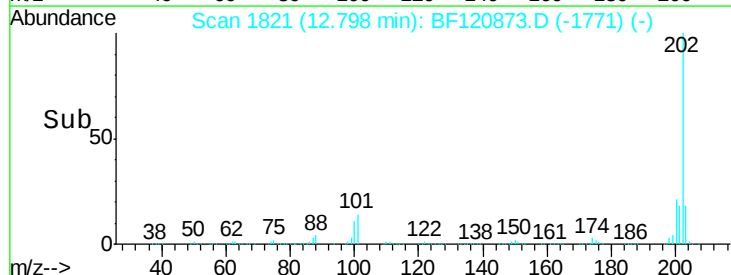
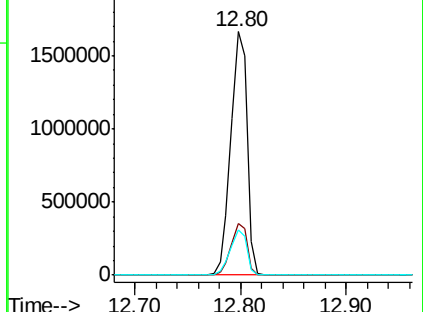
203 18.5 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

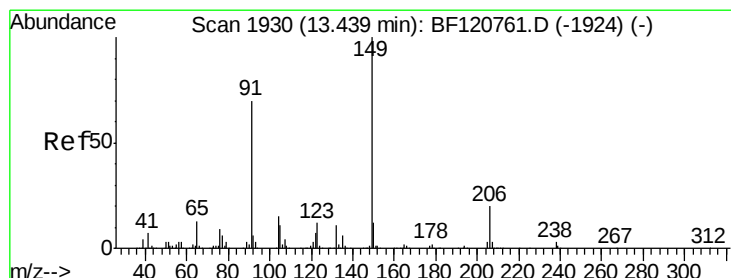
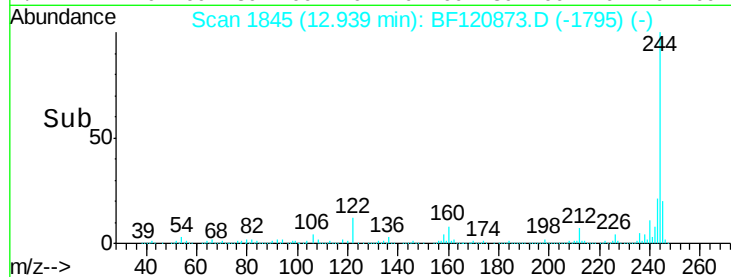
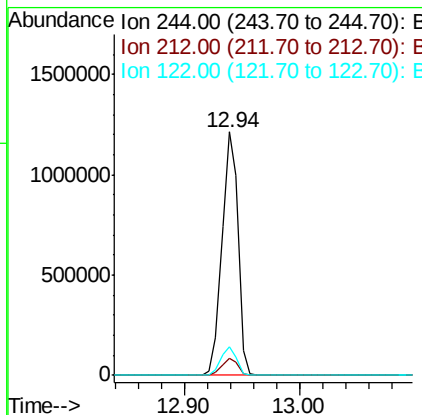
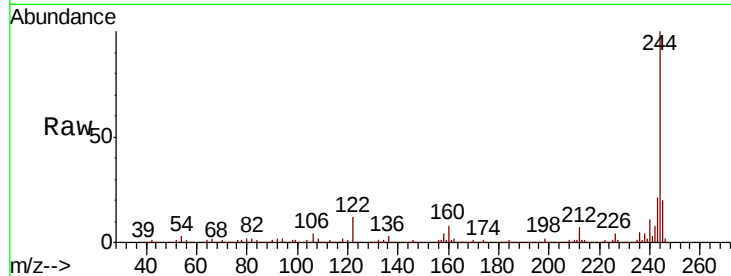




#79
 Terphenyl-d14
 Concen: 45.270 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

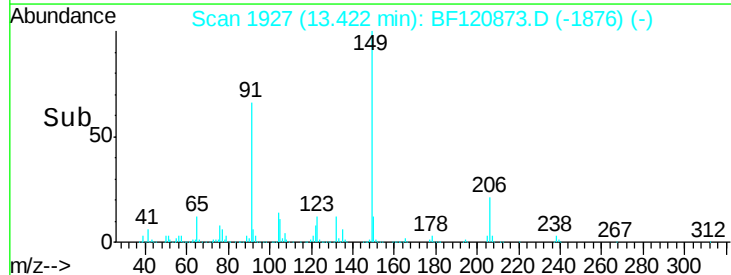
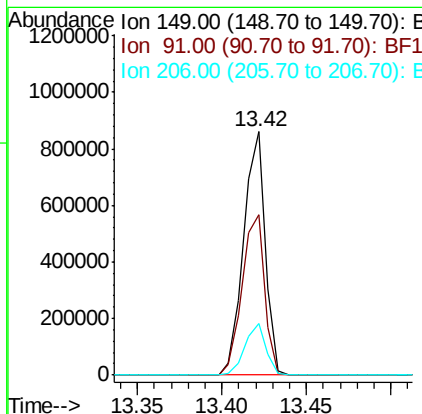
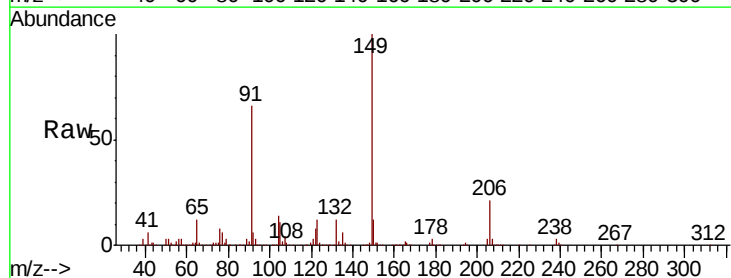
Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MSD

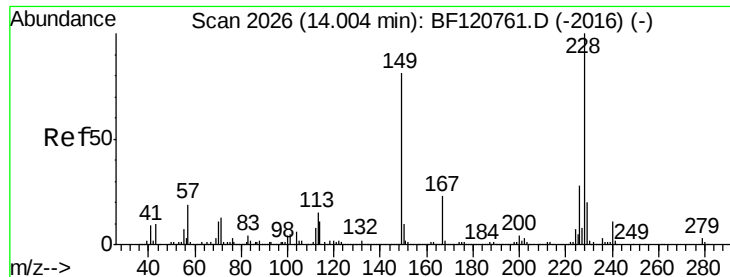
Tot Ion:244 Resp: 1164409
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 12.0 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 44.405 ng
 RT: 13.42 min Scan# 1927
 Delta R.T. 0.00 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

Tgt Ion:149 Resp: 771079
 Ion Ratio Lower Upper
 149 100
 91 65.7 55.8 83.8
 206 21.3 15.7 23.5

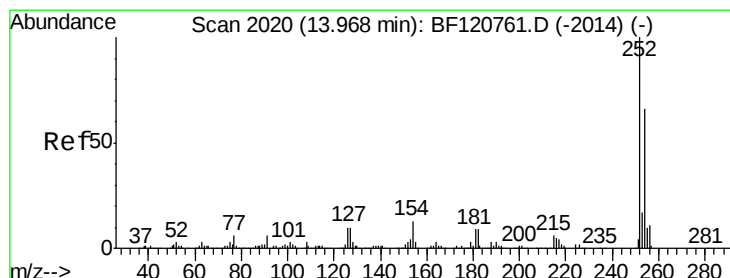
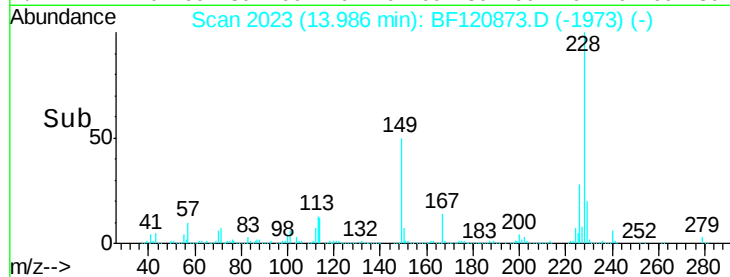
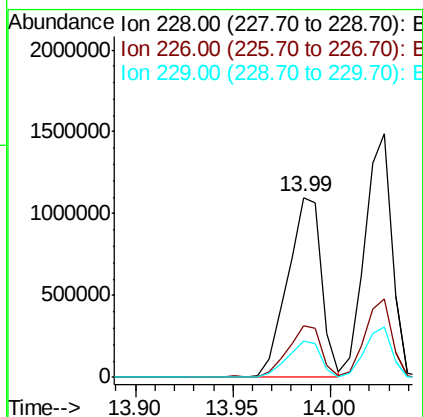
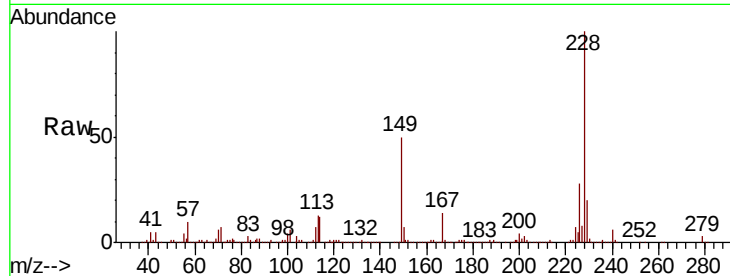




#81
Benzo(a)anthracene
Concen: 40.844 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

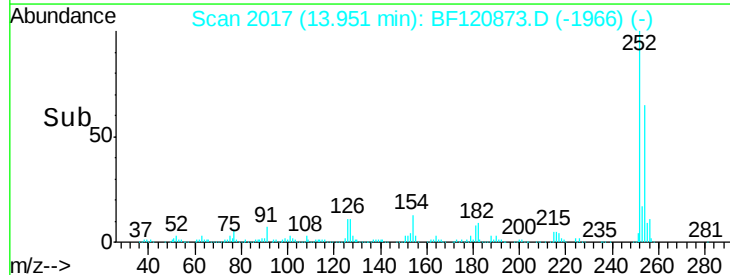
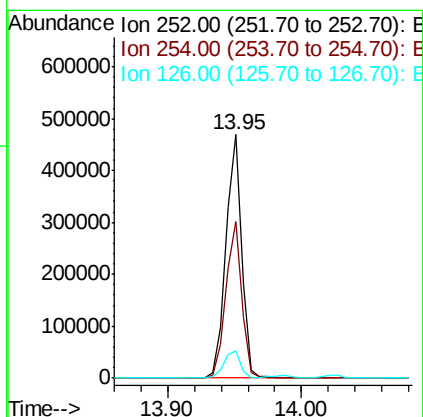
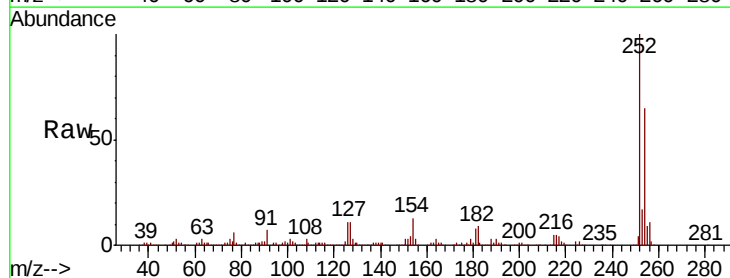
Instrument :
BNA_F
ClientSampleId :
IRON-1MSD

Tot Ion:228 Resp: 1318520
Ion Ratio Lower Upper
228 100
226 28.4 22.6 33.8
229 20.3 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 36.068 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Tgt Ion:252 Resp: 392920
Ion Ratio Lower Upper
252 100
254 64.5 52.6 78.8
126 11.3 7.8 11.8





#83

Chrvsene

Concen: 43.786 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

Instrument :

BNA_F

ClientSampleId :

IRON-1MSD

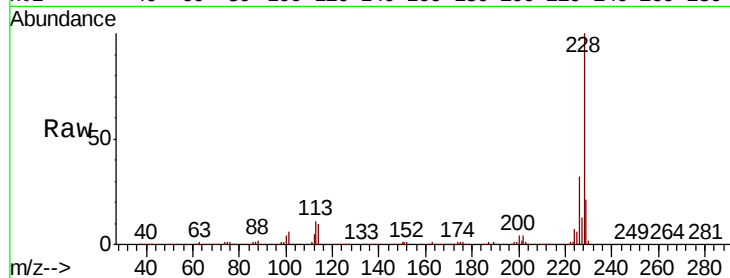
Tot Ion:228 Resp: 1441789

Ion Ratio Lower Upper

228 100

226 32.4 25.7 38.5

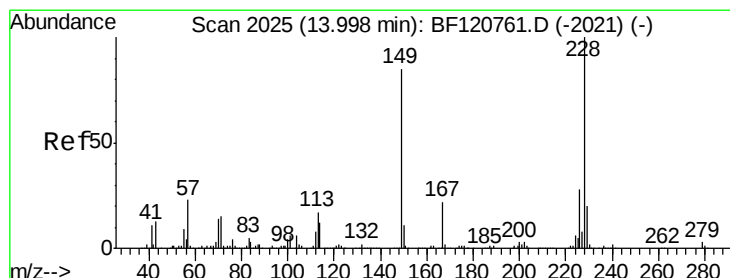
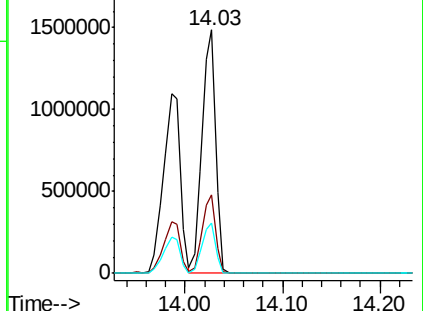
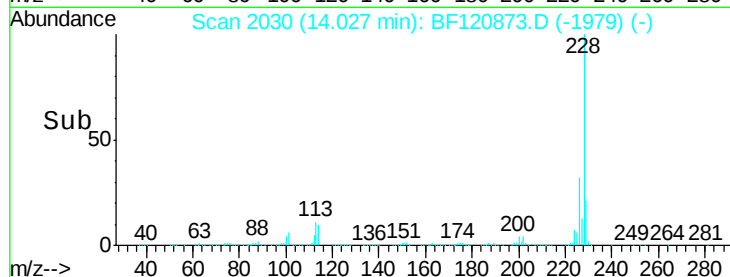
229 20.6 16.3 24.5



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.808 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF120873.D

Acq: 15 Jul 2020 15:12

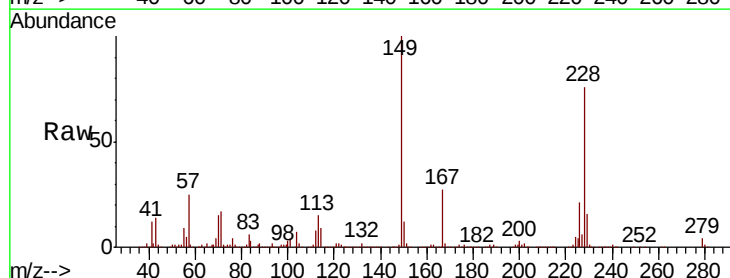
Tgt Ion:149 Resp: 883688

Ion Ratio Lower Upper

149 100

167 27.4 20.9 31.3

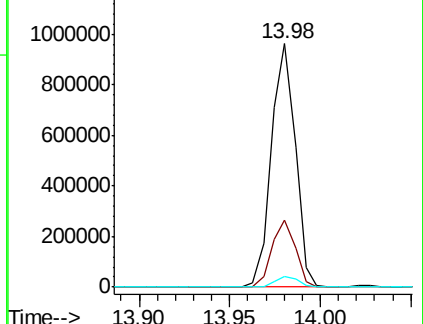
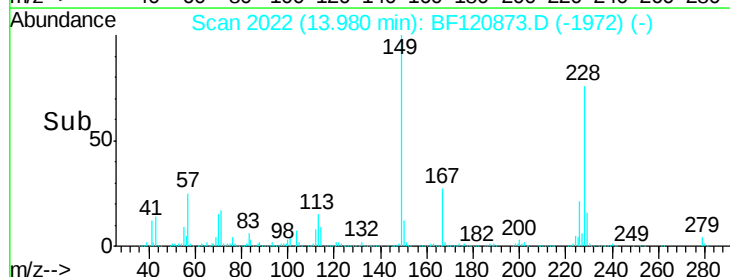
279 4.3 2.6 4.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

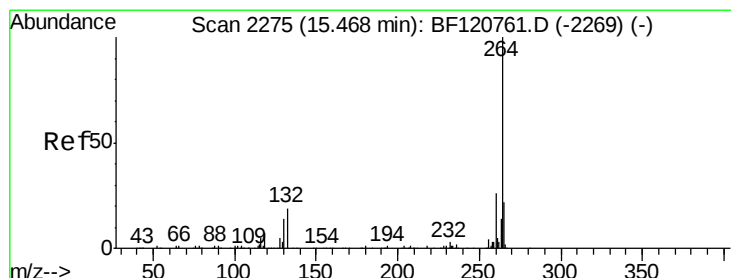
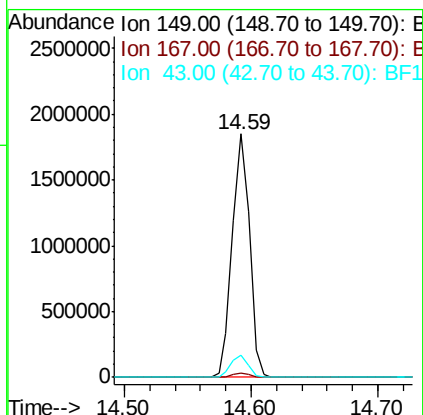
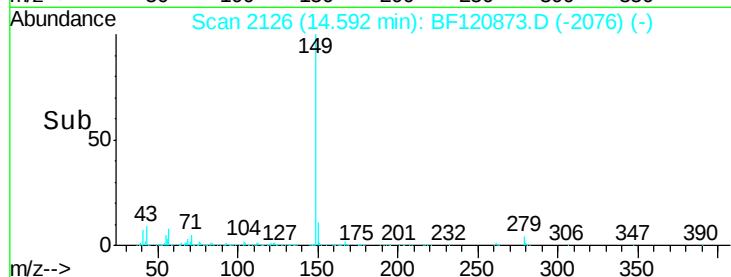
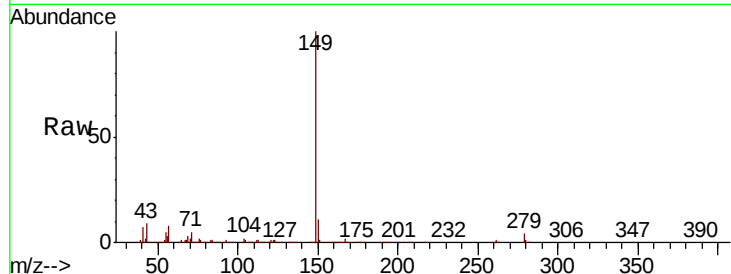




#85
Di-n-octyl phthalate
Concen: 43.148 ng
RT: 14.59 min Scan# 2126
Delta R.T. -0.01 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

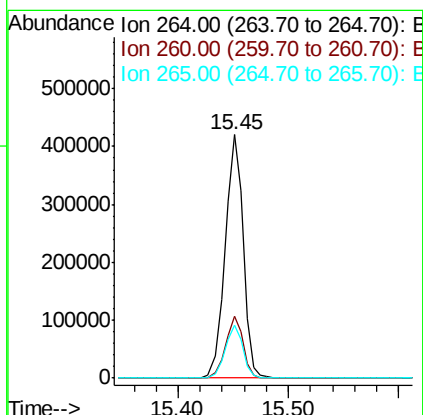
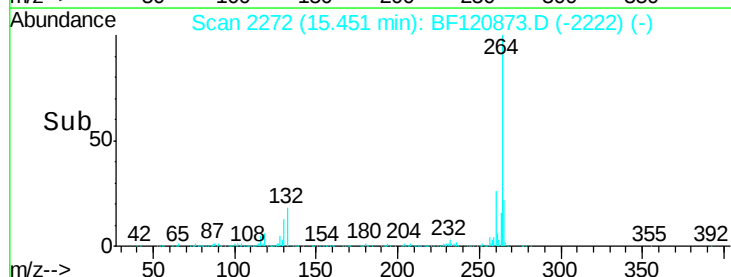
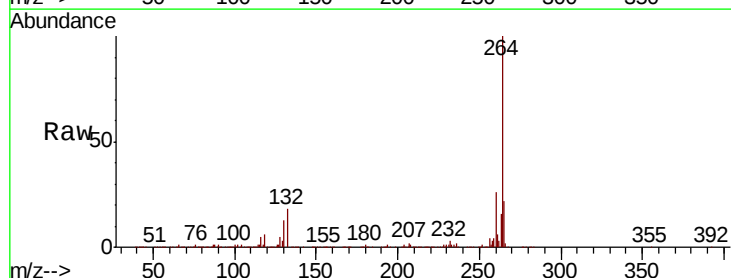
Instrument :
BNA_F
ClientSampleId :
IRON-1MSD

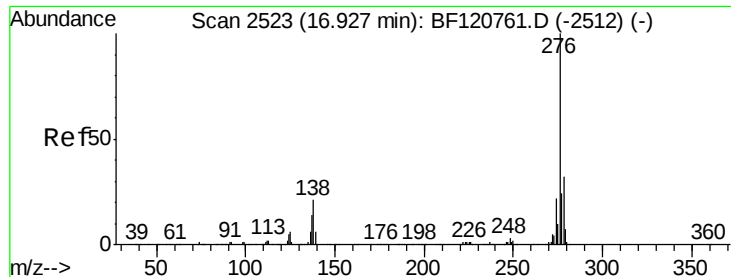
Tot Ion:149 Resp: 1738185
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 9.3 8.7 13.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Tgt Ion:264 Resp: 480984
Ion Ratio Lower Upper
264 100
260 25.6 20.6 30.8
265 21.9 17.6 26.4

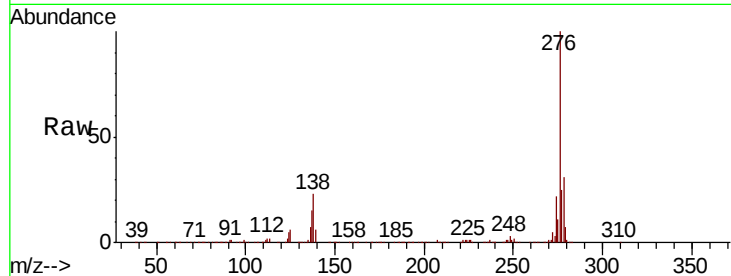




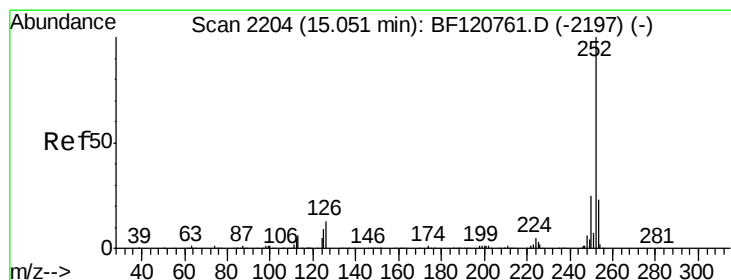
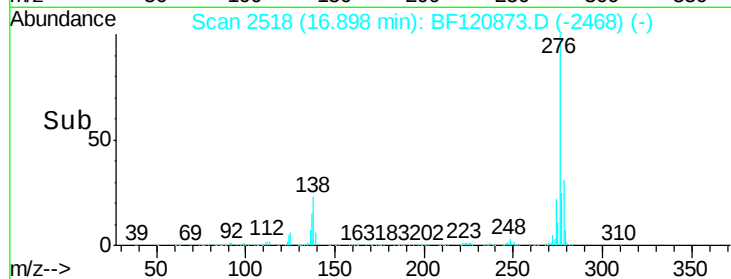
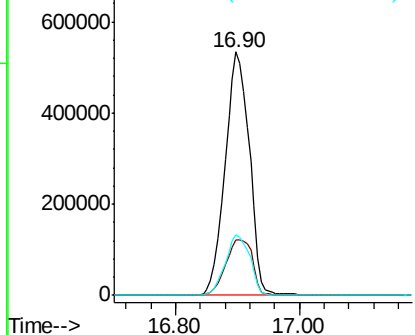
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 47.256 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. -0.01 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

Instrument :
 BNA_F
 ClientSampleId :
 IRON-1MSD

Tot Ion:276 Resp: 1457892
 Ion Ratio Lower Upper
 276 100
 138 25.2 19.8 29.8
 277 25.4 19.9 29.9

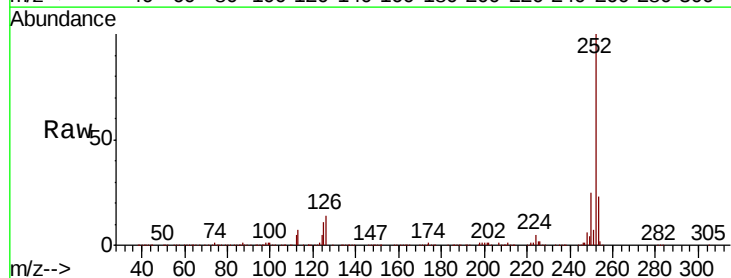


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

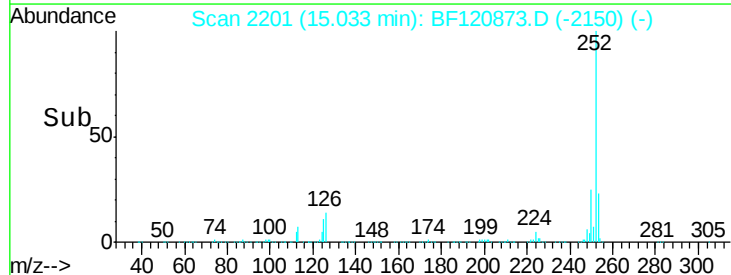
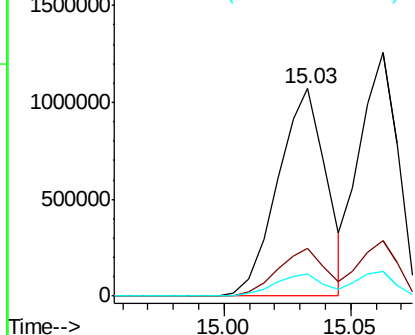


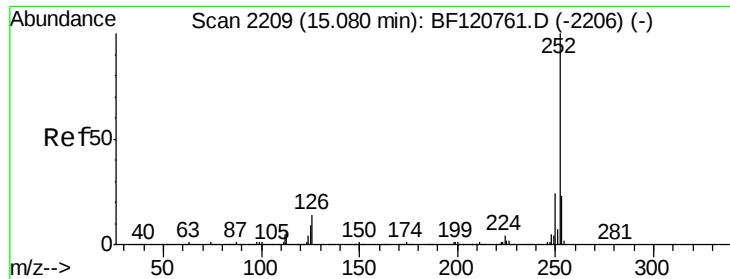
#88
 Benzo(b)fluoranthene
 Concen: 44.916 ng
 RT: 15.03 min Scan# 2201
 Delta R.T. 0.00 min
 Lab File: BF120873.D
 Acq: 15 Jul 2020 15:12

Tgt Ion:252 Resp: 1420283
 Ion Ratio Lower Upper
 252 100
 253 23.0 18.0 27.0
 125 10.5 7.5 11.3



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

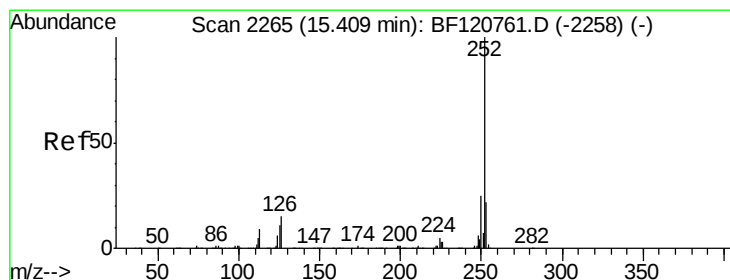
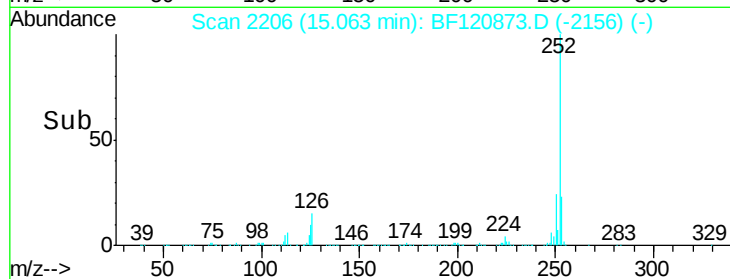
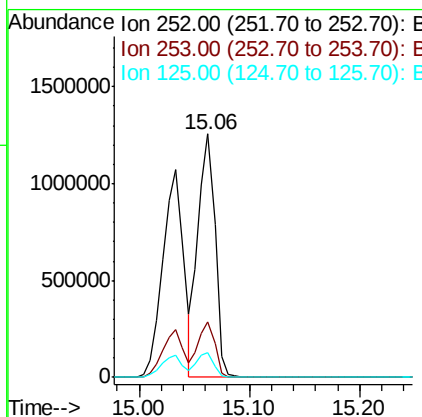
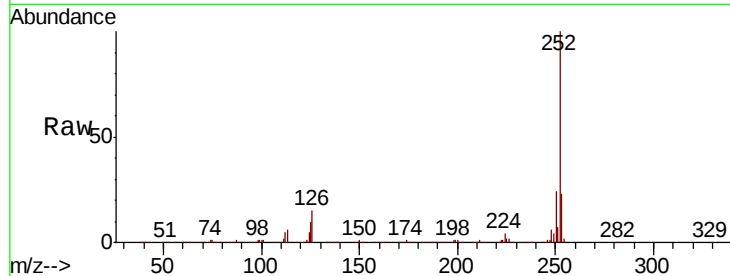




#89
Benzo(k)fluoranthene
Concen: 42.886 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

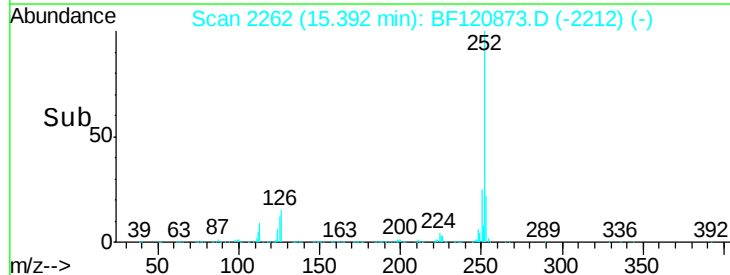
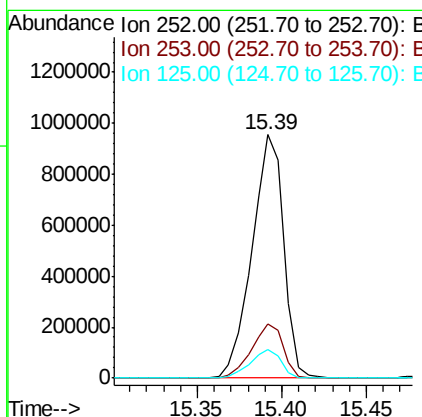
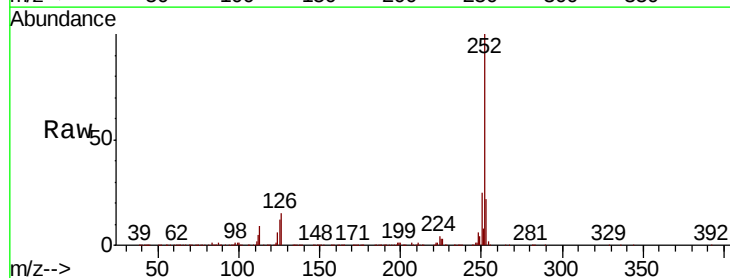
Instrument :
BNA_F
ClientSampleId :
IRON-1MSD

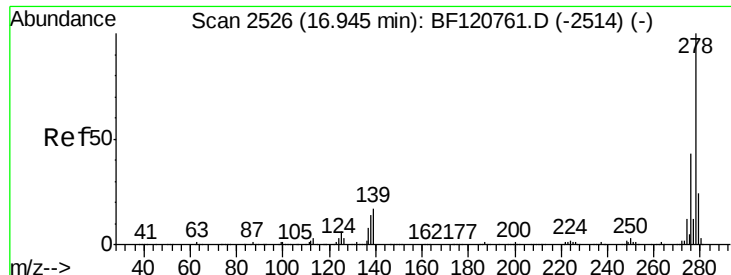
Tot Ion:252 Resp: 1319564
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 10.4 7.6 11.4



#90
Benzo(a)pyrene
Concen: 44.164 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Tgt Ion:252 Resp: 1245774
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 11.7 9.2 13.8

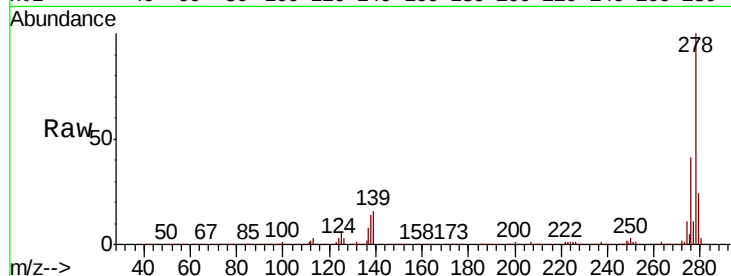




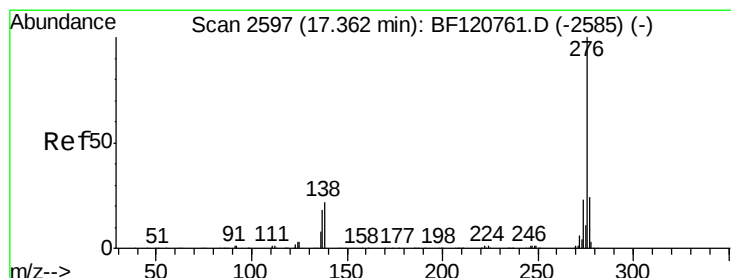
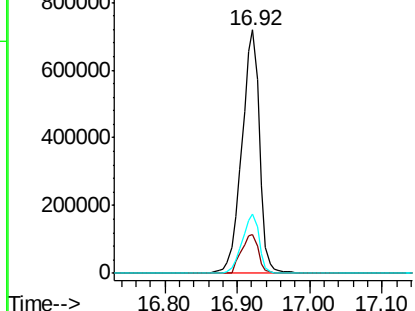
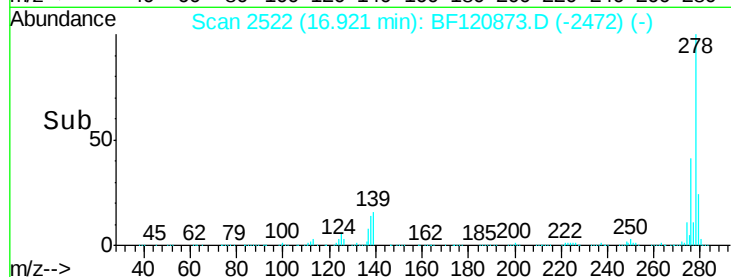
#91
Dibenzo(a,h)anthracene
Concen: 47.336 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.01 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Instrument :
BNA_F
ClientSampleId :
IRON-1MSD

Tot Ion:278 Resp: 1217167
Ion Ratio Lower Upper
278 100
139 16.1 13.3 19.9
279 24.4 19.0 28.6

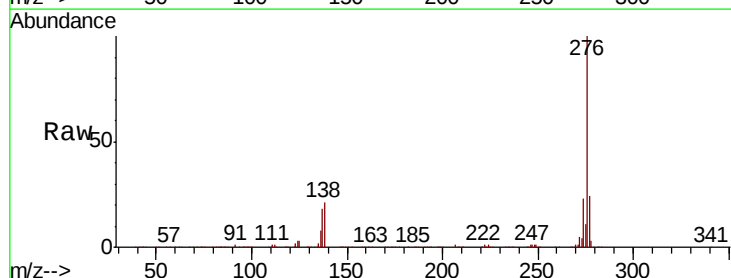


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 50.630 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.01 min
Lab File: BF120873.D
Acq: 15 Jul 2020 15:12

Tgt Ion:276 Resp: 1189828
Ion Ratio Lower Upper
276 100
277 23.7 18.8 28.2
138 20.9 17.4 26.2



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

