

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021319\
 Data File : BF112558.D
 Acq On : 14 Feb 2019 2:45
 Operator : JU/SJ
 Sample : K1343-15DL 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-HDL

Quant Time: Feb 14 04:19:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	95252	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	344470	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	131627	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	212048	20.00	ng	0.00
76) Chrysene-d12	14.02	240	182078	20.00	ng	0.00
87) Perylene-d12	15.49	264	125198	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	56420	12.58	ng	0.00
7) Phenol-d6	6.50	99	76950	12.35	ng	0.00
23) Nitrobenzene-d5	7.40	82	43359	7.25	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	13501	8.81	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	90255	9.70	ng	-0.01
79) Terphenyl-d14	12.94	244	79091	8.18	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.62	77	1712	0.526	ng	# 82
10) Phenol	6.51	94	3745	0.548	ng	# 68
15) Benzyl Alcohol	6.99	79	760	0.145	ng	# 18
18) Hexachloroethane	7.39	117	115	0.045	ng	# 2
19) n-Nitroso-di-n-propylamine	7.40	70	6580	1.531	ng	# 66
22) Acetophenone	7.23	105	214	0.026	ng	# 50
25) Isophorone	7.40	82	43359	4.623	ng	# 63
28) bis(2-Chloroethoxy)methane	8.12	93	115	0.018	ng	# 1
31) Naphthalene	8.14	128	13682	0.849	ng	# 96
33) 4-Chloroaniline	8.14	127	1509	0.215	ng	# 22
35) Caprolactam	8.53	113	435	0.251	ng	# 1
37) 2-Methylnaphthalene	8.84	142	7559	0.685	ng	# 96
38) 1-Methylnaphthalene	8.93	142	8359	0.791	ng	# 96
46) 1,1'-Biphenyl	9.30	154	2502	0.217	ng	# 82
47) 2-Chloronaphthalene	9.46	162	130	0.015	ng	# 27
48) 2-Nitroaniline	9.54	65	224	0.092	ng	# 1
49) Acenaphthylene	9.74	152	30622	2.341	ng	# 98
50) Dimethylphthalate	9.59	163	7175	0.702	ng	# 93
51) 2,6-Dinitrotoluene	9.87	165	17045	7.442	ng	# 34
52) Acenaphthene	9.90	154	7006	0.897	ng	# 97
53) 3-Nitroaniline	10.09	138	515	0.208	ng	# 8
55) Dibenzofuran	10.08	168	27896	2.336	ng	# 97
56) 4-Nitrophenol	10.08	139	11566	8.816	ng	# 15
57) 2,4-Dinitrotoluene	10.20	165	525	0.180	ng	# 30
58) Fluorene	10.43	166	10617	1.188	ng	# 98
60) Diethylphthalate	10.28	149	318	0.031	ng	# 58
61) 4-Chlorophenyl-phenylether	10.23	204	113	0.023	ng	# 29
63) Azobenzene	10.58	77	1767	0.198	ng	# 1
66) n-Nitrosodiphenylamine	10.57	169	629	0.088	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	783	0.314	ng	# 1
71) Phenanthrene	11.39	178	309786	28.101	ng	# 97
72) Anthracene	11.45	178	41693	3.797	ng	# 99
73) Carbazole	11.60	167	12977	1.198	ng	# 95
74) Di-n-butylphthalate	11.91	149	901	0.067	ng	# 77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

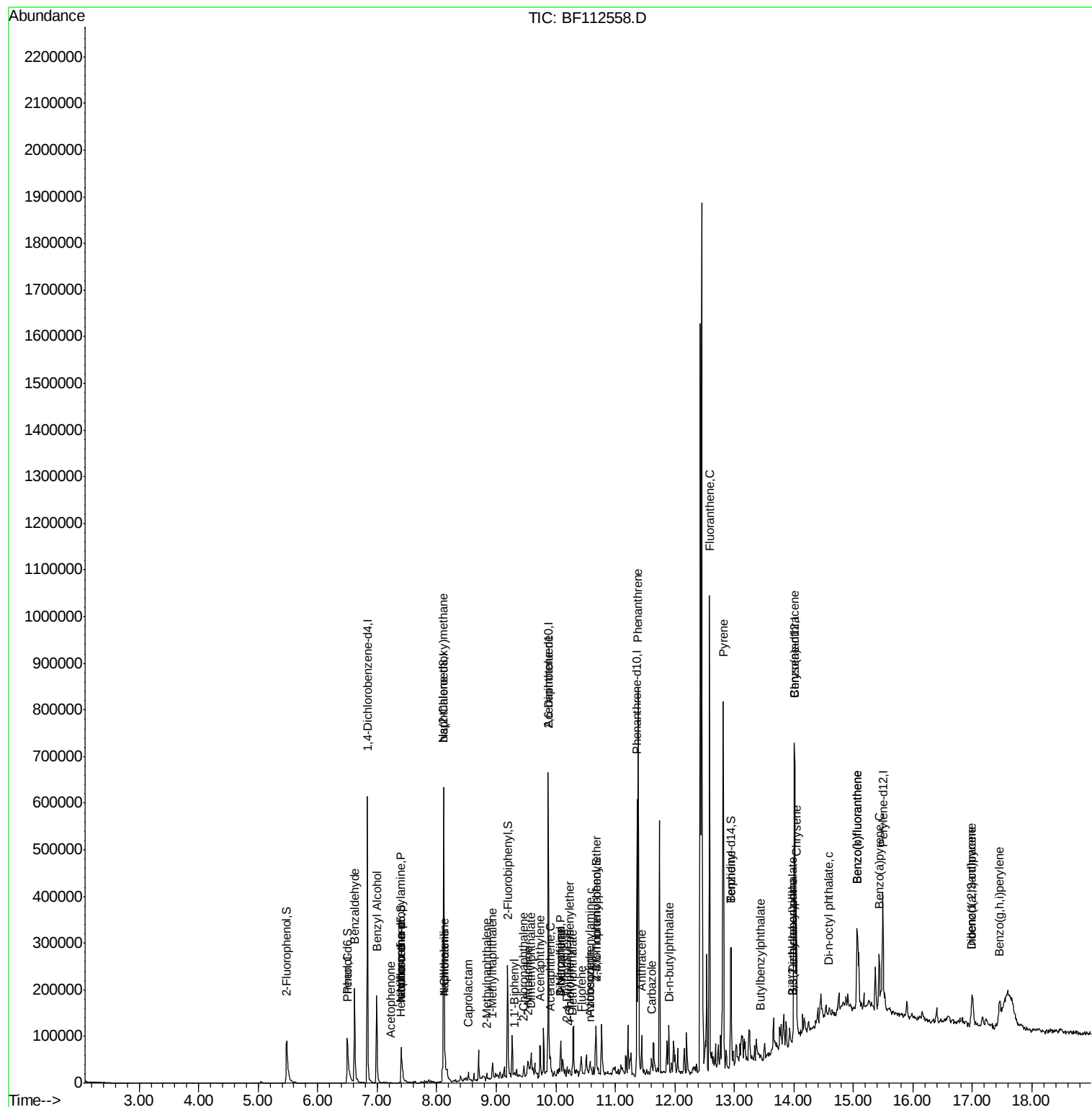
75) Fluoranthene	12.58	202	385164	32.575	ng	98
77) Benzidine	12.94	184	1256	0.251	ng #	59
78) Pyrene	12.82	202	330809	26.242	ng	99
80) Butylbenzylphthalate	13.44	149	175	0.029	ng #	26
81) Benzo(a)anthracene	14.00	228	93883	8.771	ng	99
82) 3,3'-Dichlorobenzidine	13.97	252	109	0.027	ng #	44
83) Chrysene	14.04	228	108372	10.607	ng	96
84) Bis(2-ethylhexyl)phthalate	13.97	149	1196	0.138	ng #	94
85) Di-n-octyl phthalate	14.59	149	1018	0.076	ng #	46
86) Indeno(1,2,3-cd)pyrene	17.00	276	43017	5.314	ng	92
88) Benzo(b)fluoranthene	15.06	252	124155	16.582	ng	97
89) Benzo(k)fluoranthene	15.06	252	124155	17.311	ng	97
90) Benzo(a)pyrene	15.43	252	61234	9.089	ng #	97
91) Dibenzo(a,h)anthracene	17.00	278	9035	1.664	ng #	78
92) Benzo(g,h,i)perylene	17.46	276	39003	7.614	ng	96

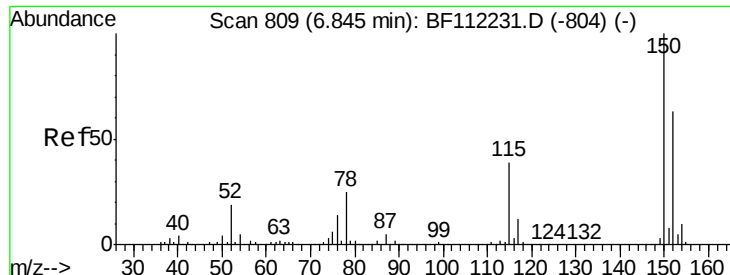
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.01 min

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Instrument :

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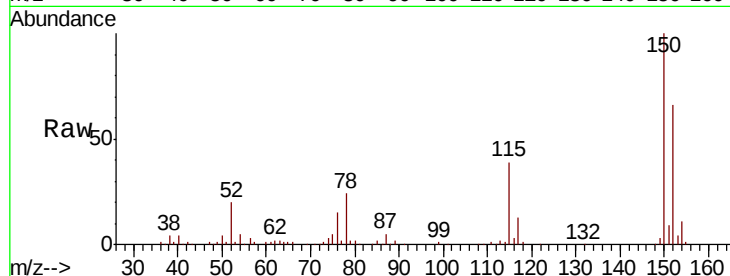
Tgt Ion:152 Resp: 95252

Ion Ratio Lower Upper

152 100

150 152.0 127.4 191.0

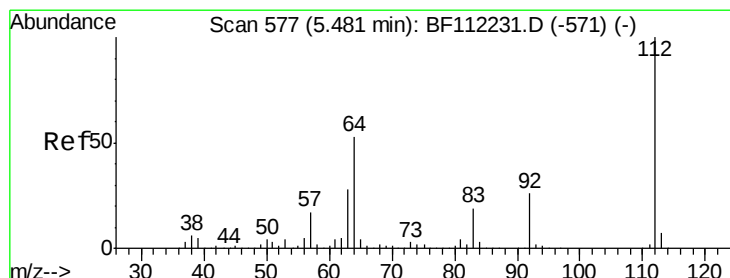
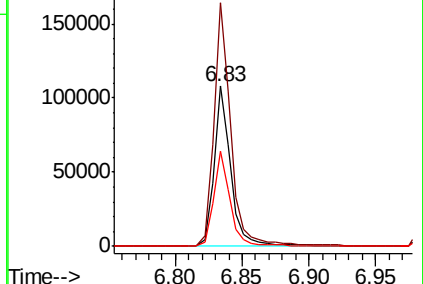
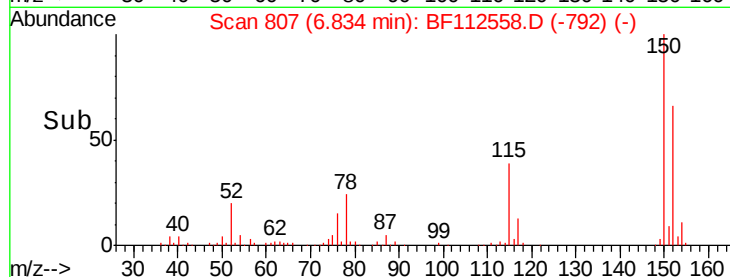
115 59.6 45.5 68.3



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



#5

2-Fluorophenol

Concen: 12.581 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.00 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

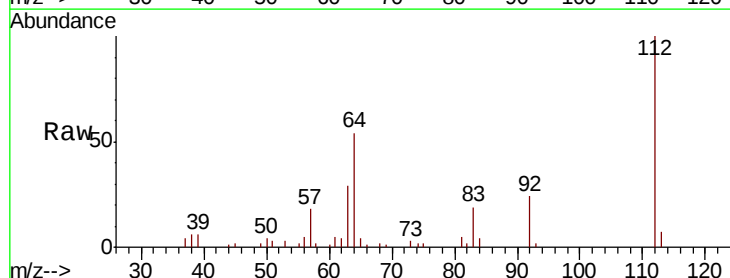
Tgt Ion:112 Resp: 56420

Ion Ratio Lower Upper

112 100

64 54.5 45.7 68.5

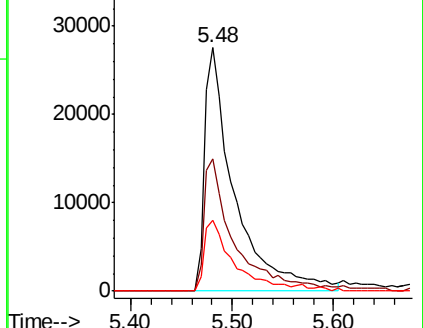
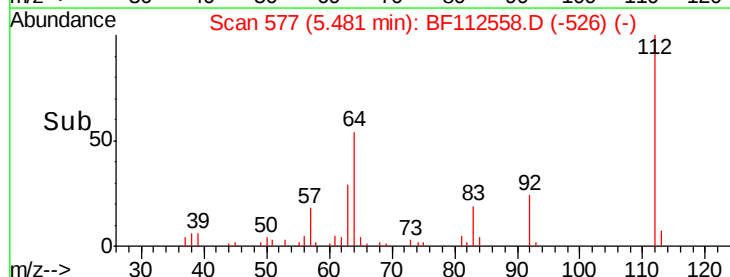
63 29.0 23.6 35.4

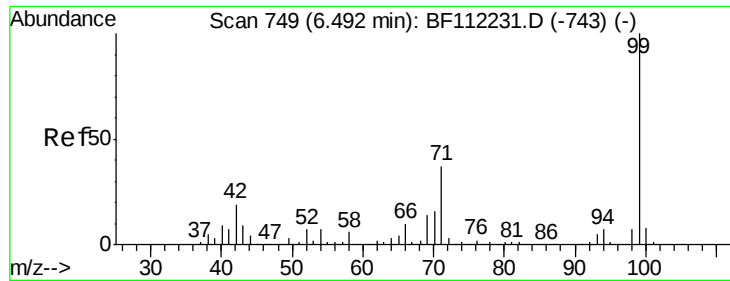


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 12.349 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-HDL

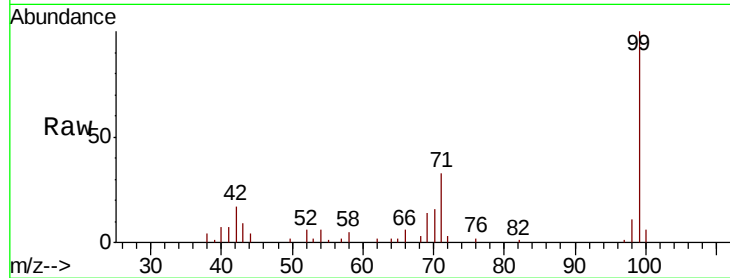
Tgt Ion: 99 Resp: 76950

Ion Ratio Lower Upper

99 100

42 17.2 15.1 22.7

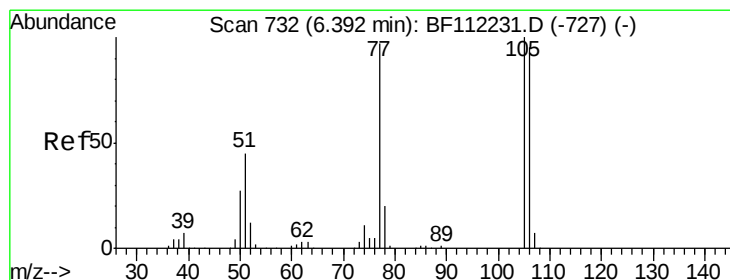
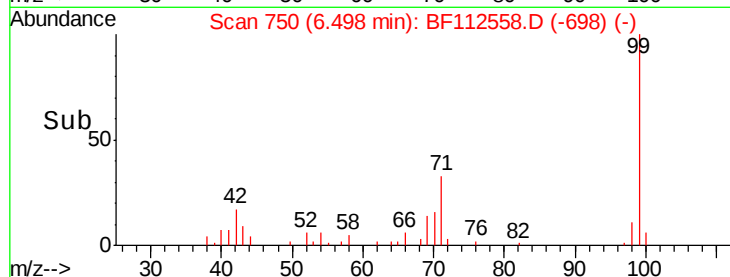
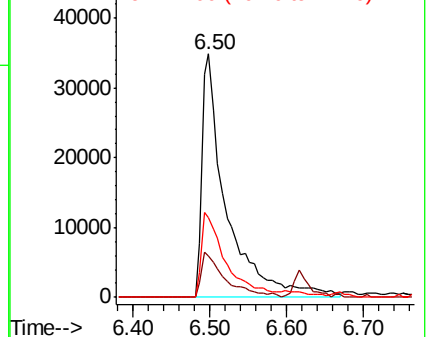
71 33.0 26.9 40.3



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



#9

Benzaldehyde

Concen: 0.526 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.22 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

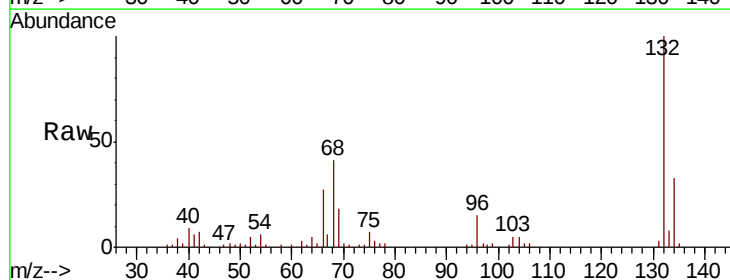
Tgt Ion: 77 Resp: 1712

Ion Ratio Lower Upper

77 100

105 84.9 80.8 120.8

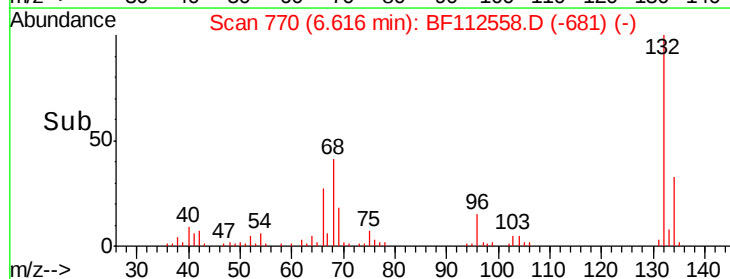
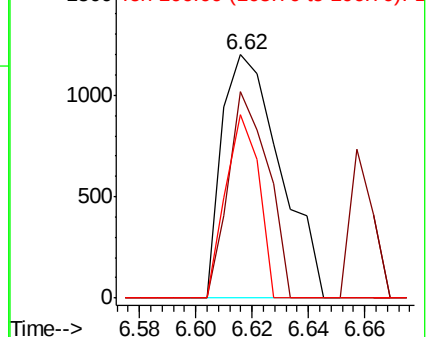
106 75.3 75.7 115.7#

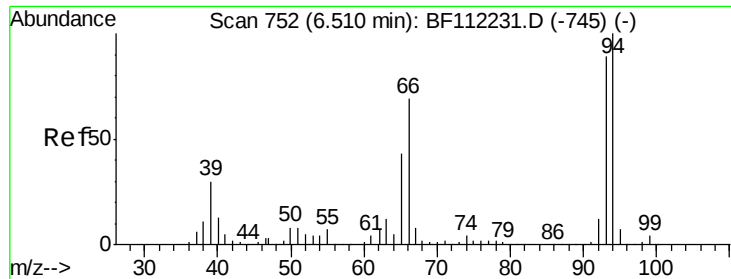


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.548 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

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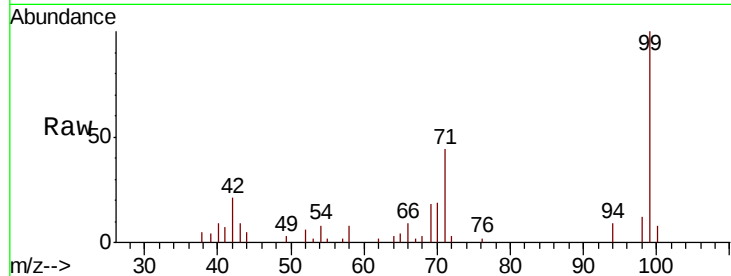
Tgt Ion: 94 Resp: 3745

Ion Ratio Lower Upper

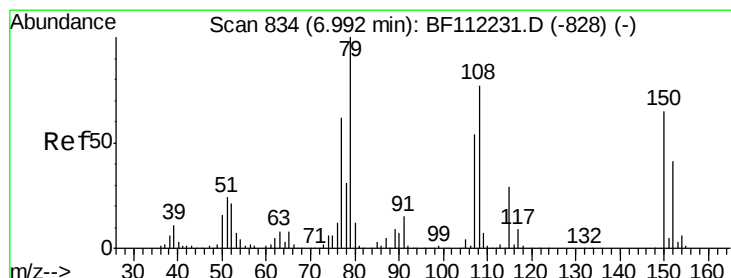
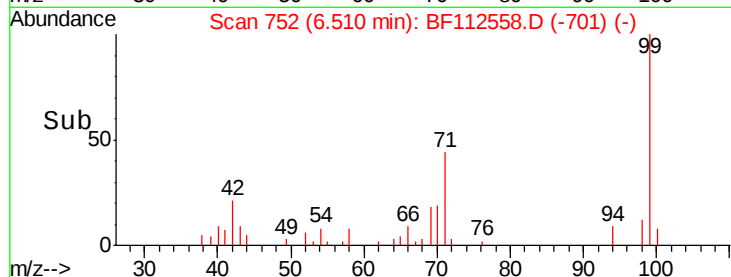
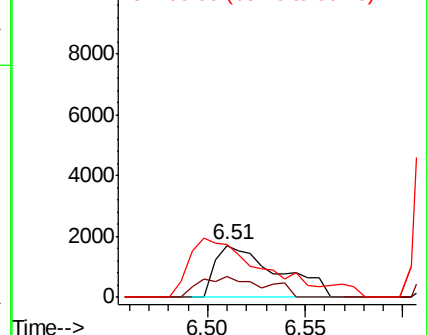
94 100

65 39.6 20.3 60.3

66 102.4 42.4 82.4#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#15

Benzyl Alcohol

Concen: 0.145 ng

RT: 6.99 min Scan# 834

Delta R.T. 0.00 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

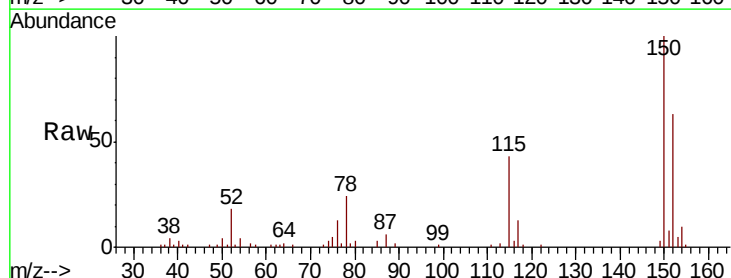
Tgt Ion: 79 Resp: 760

Ion Ratio Lower Upper

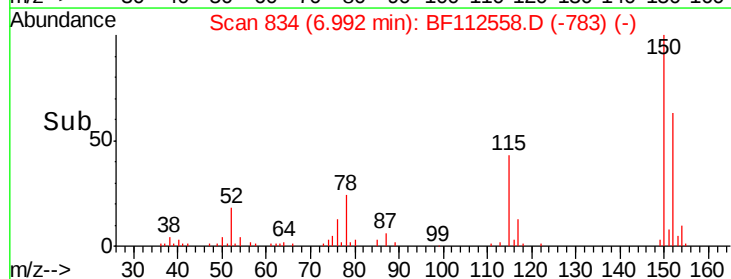
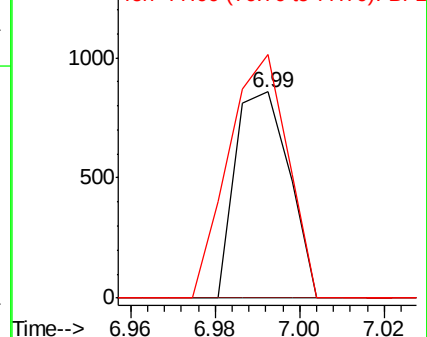
79 100

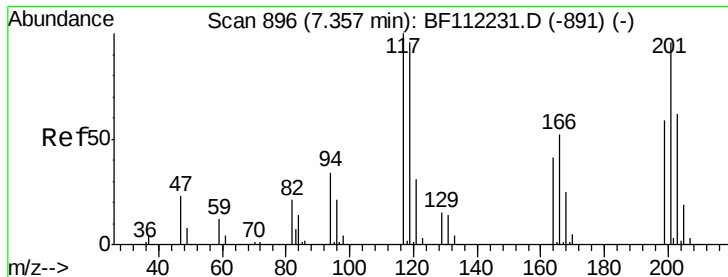
108 0.0 64.2 96.2#

77 118.2 50.3 75.5#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1

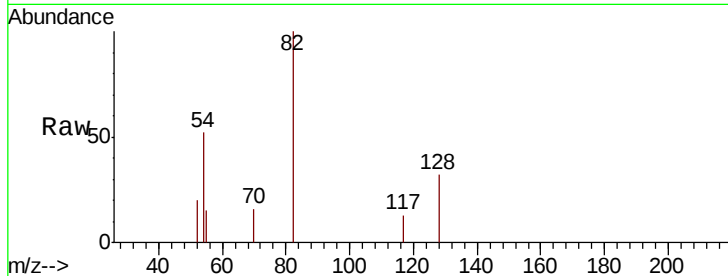




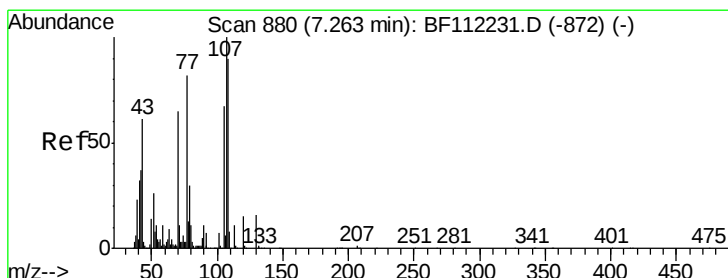
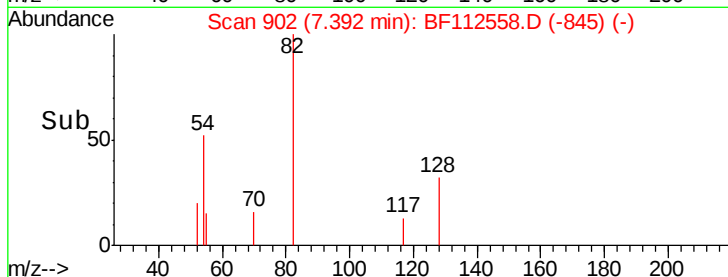
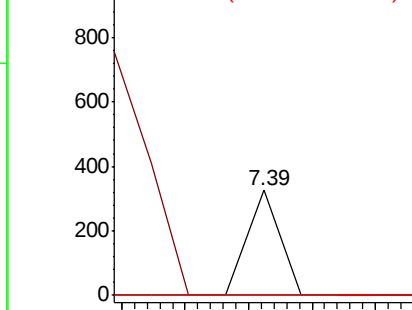
#18
Hexachloroethane
Concen: 0.045 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.04 min
Lab File: BF112558.D
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Tgt Ion: 117 Resp: 115
Ion Ratio Lower Upper
117 100
119 0.0 77.0 115.4#
201 0.0 74.1 111.1#

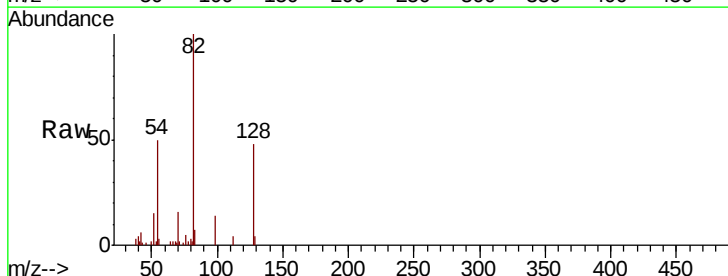


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

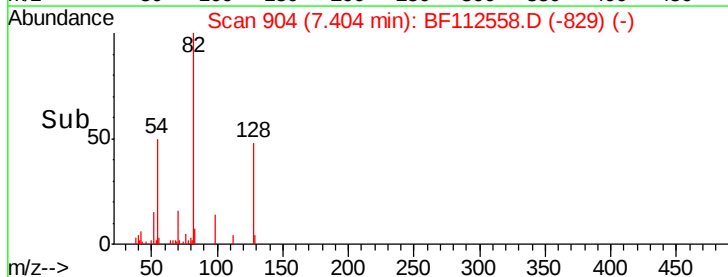
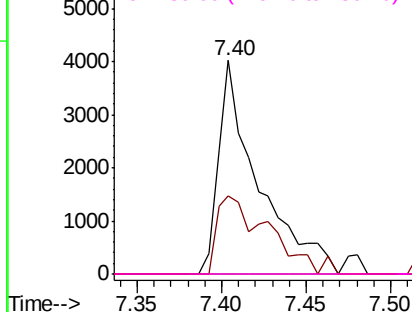


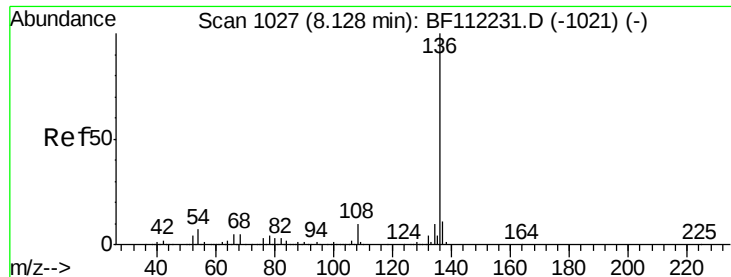
#19
n-Nitroso-di-n-propylamine
Concen: 1.531 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Tgt Ion: 70 Resp: 6580
Ion Ratio Lower Upper
70 100
42 36.8 47.6 71.4#
101 0.0 7.9 11.9#
130 0.0 18.4 27.6#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

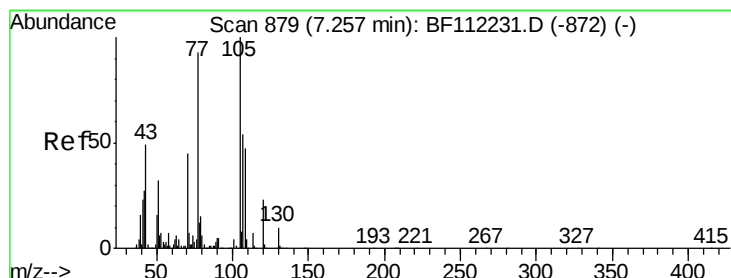
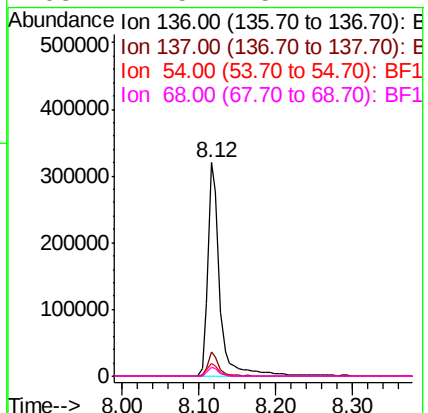
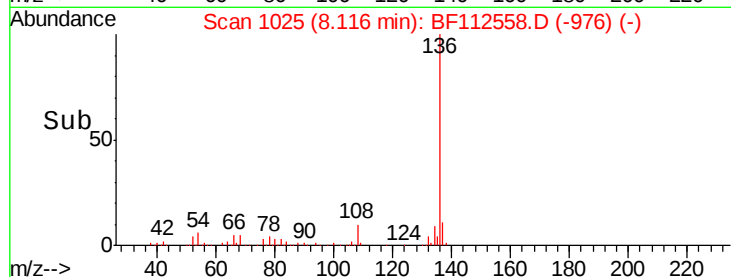
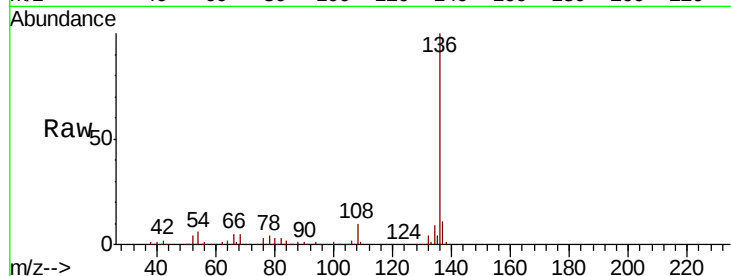




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

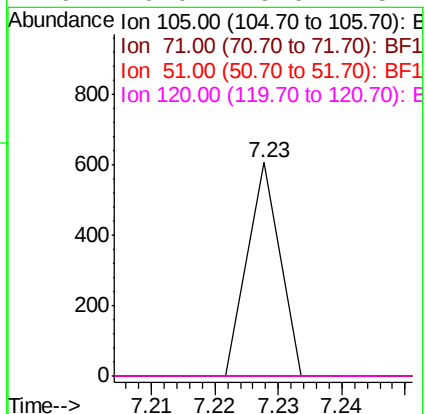
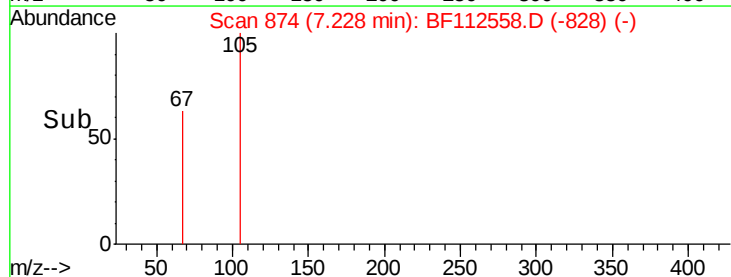
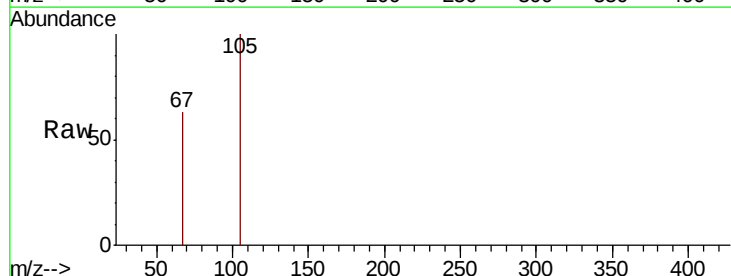
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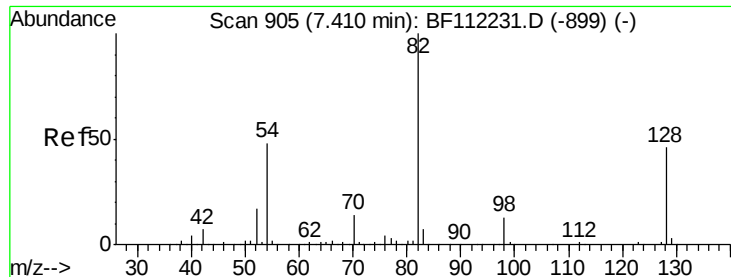
Tgt Ion:	136	Resp:	344470
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	6.2	5.9	8.9
68	4.5	5.1	7.7#



#22
Acetophenone
Concen: 0.026 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.03 min
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Tgt Ion:	105	Resp:	214
Ion	Ratio	Lower	Upper
105	100		
71	0.0	4.6	6.8#
51	0.0	25.0	37.6#
120	0.0	19.0	28.4#

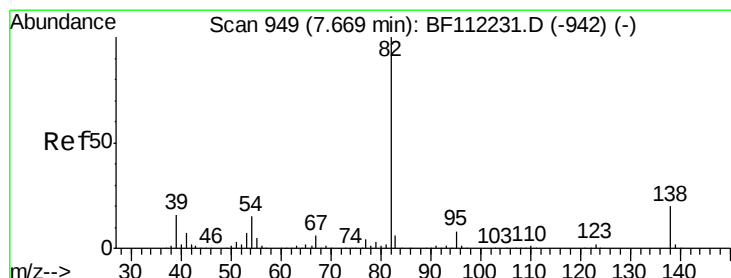
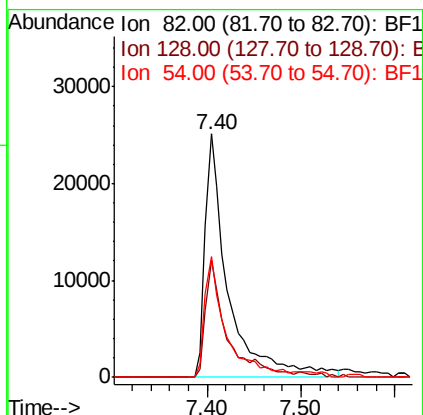
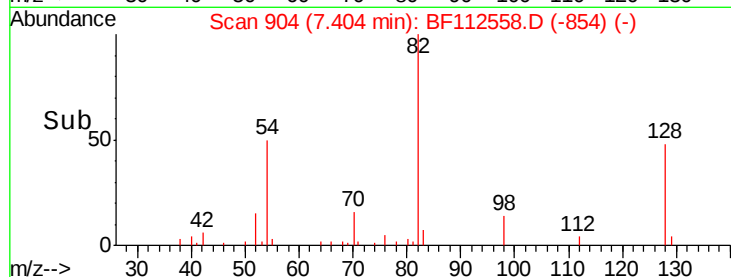
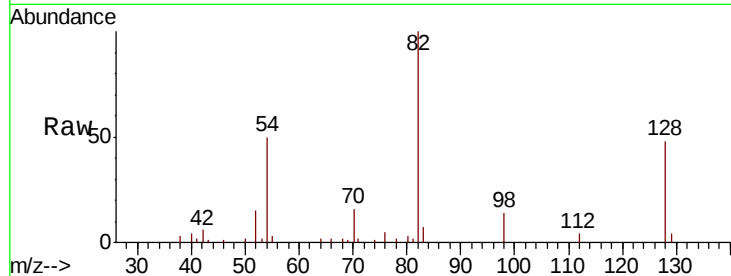




#23
Nitrobenzene-d5
Concen: 7.253 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

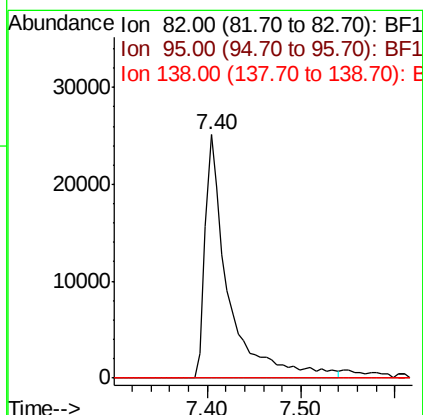
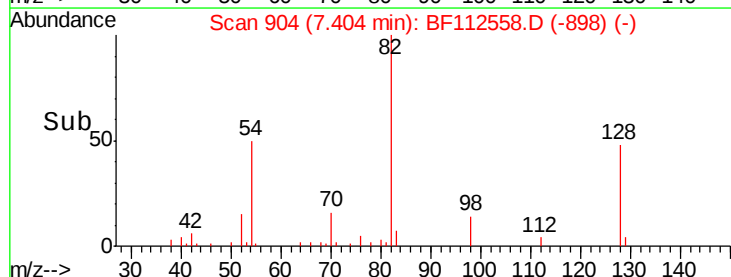
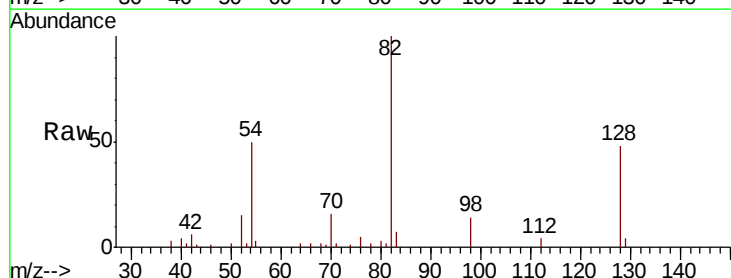
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-HDL

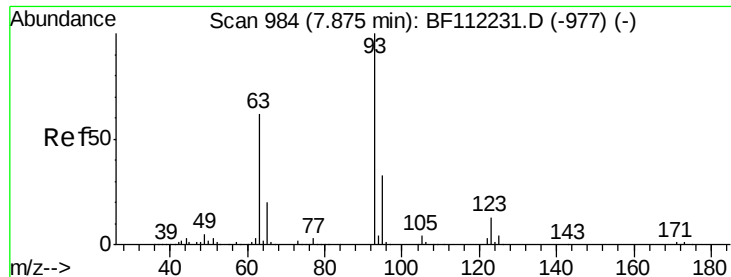
Tgt Ion: 82 Resp: 43359
Ion Ratio Lower Upper
82 100
128 47.9 37.8 56.8
54 49.6 39.7 59.5



#25
Isophorone
Concen: 4.623 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.26 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Tgt Ion: 82 Resp: 43359
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.4 23.0#

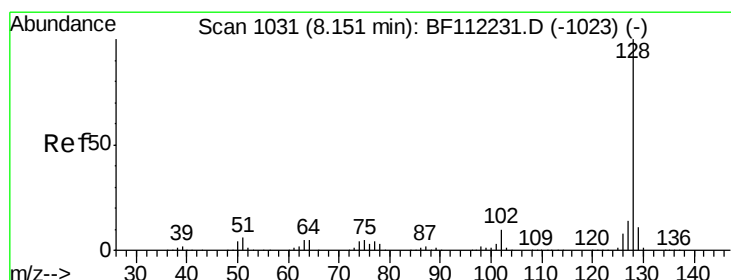
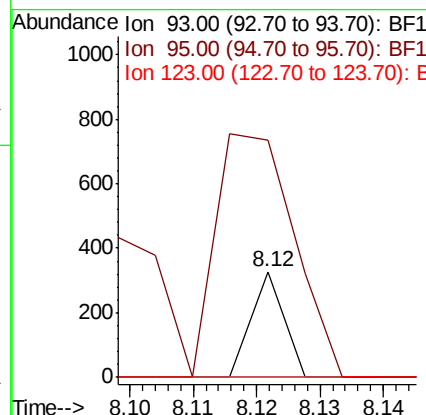
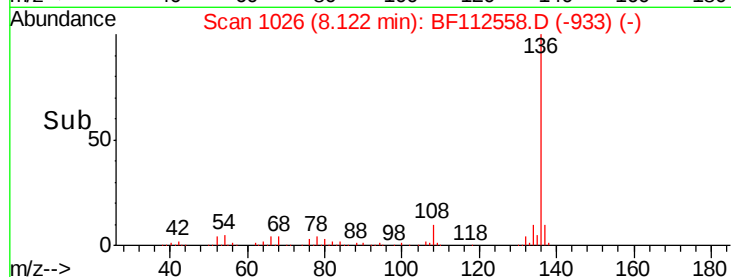
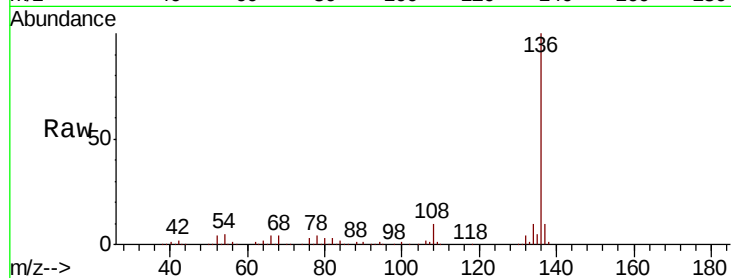




#28
bis(2-Chloroethoxy)methane
Concen: 0.018 ng
RT: 8.12 min Scan# 1026
Delta R.T. 0.25 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

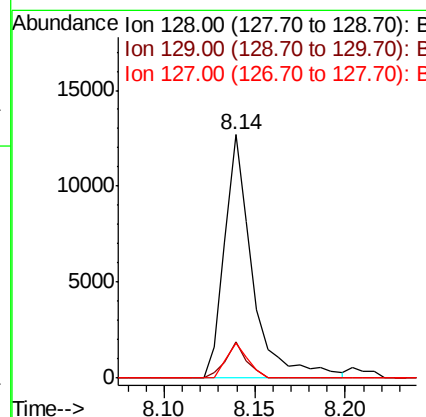
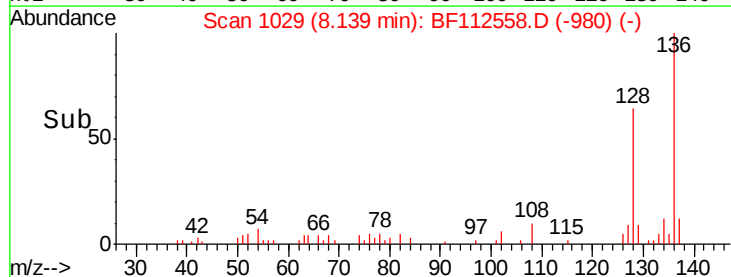
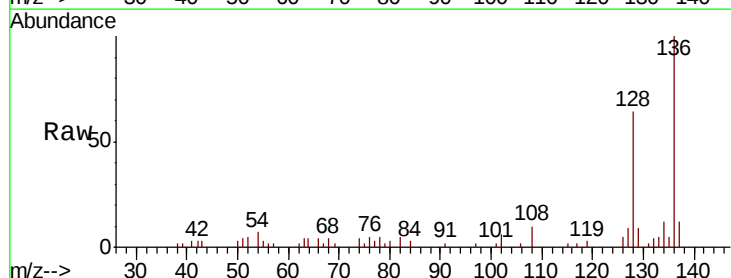
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-HDL

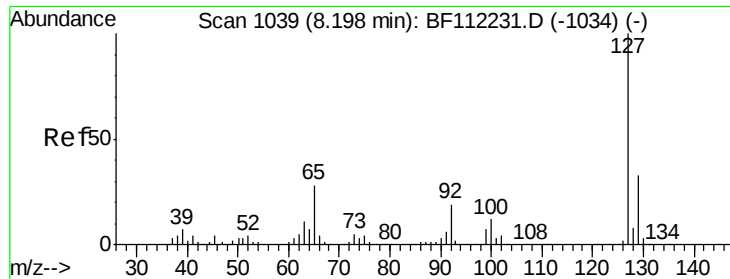
Tgt Ion: 93 Resp: 115
Ion Ratio Lower Upper
93 100
95 225.4 26.8 40.2#
123 0.0 10.2 15.2#



#31
Naphthalene
Concen: 0.849 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Tgt Ion: 128 Resp: 13682
Ion Ratio Lower Upper
128 100
129 14.8 9.6 14.4#
127 14.6 11.1 16.7

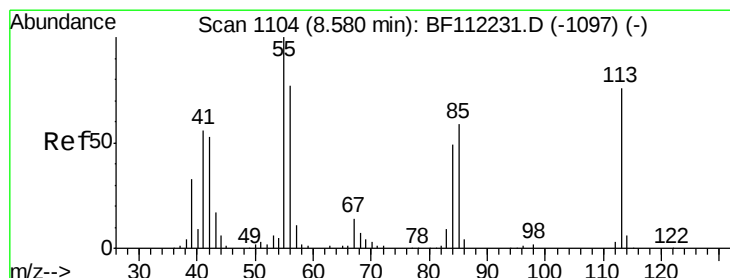
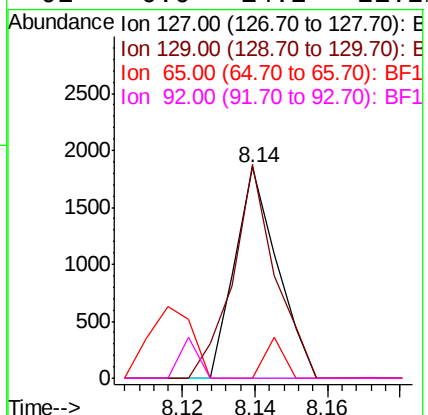
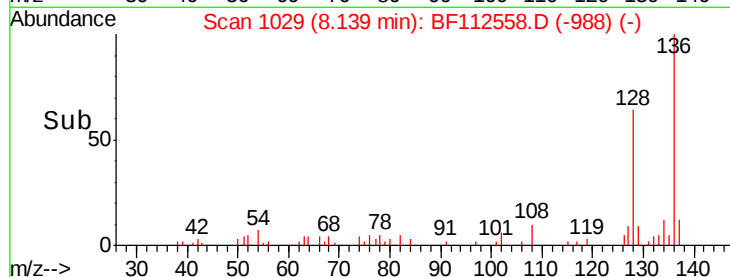
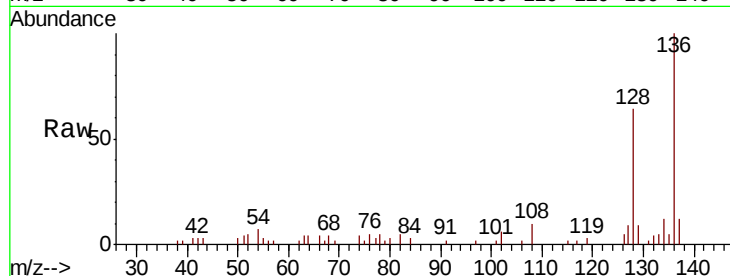




#33
4-Chloroaniline
Concen: 0.215 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.06 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

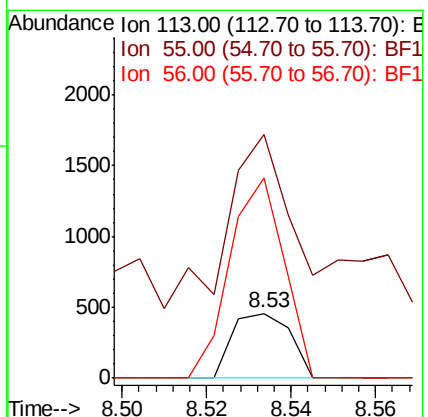
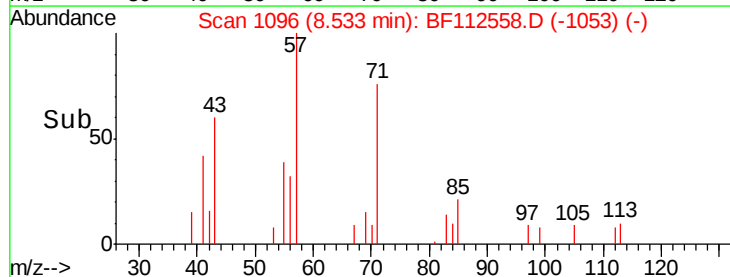
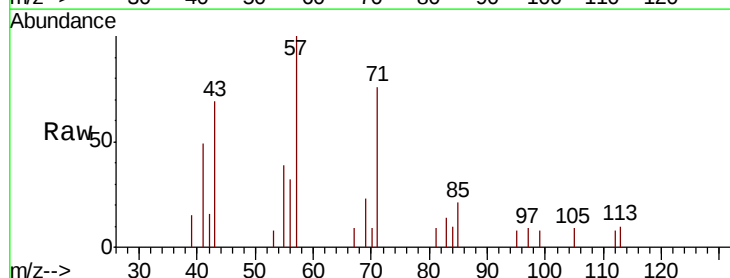
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-HDL

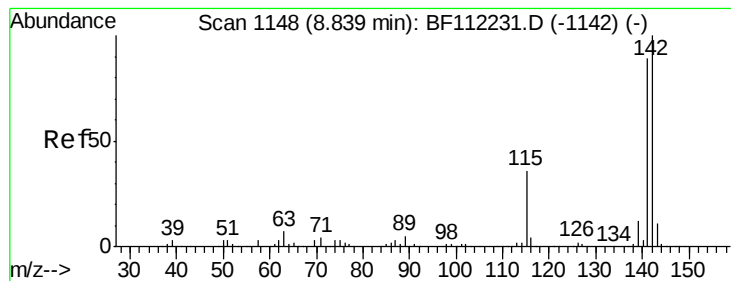
Tgt Ion:127 Resp: 1509
Ion Ratio Lower Upper
127 100
129 101.2 26.6 39.8#
65 0.0 21.4 32.2#
92 0.0 14.2 21.2#



#35
Caprolactam
Concen: 0.251 ng
RT: 8.53 min Scan# 1096
Delta R.T. -0.05 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Tgt Ion:113 Resp: 435
Ion Ratio Lower Upper
113 100
55 376.4 121.6 161.6#
56 309.2 86.7 126.7#





#37

2-Methylnaphthalene

Concen: 0.685 ng

RT: 8.84 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-HDL

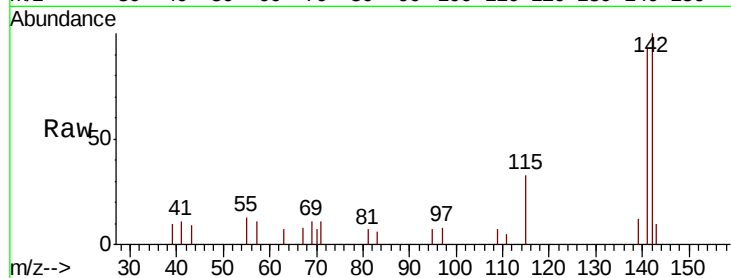
Tgt Ion:142 Resp: 7559

Ion Ratio Lower Upper

142 100

141 92.9 70.9 106.3

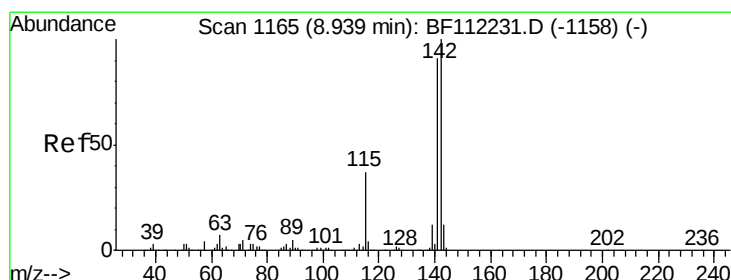
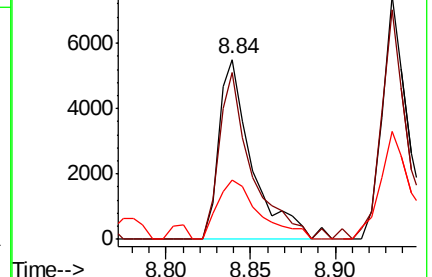
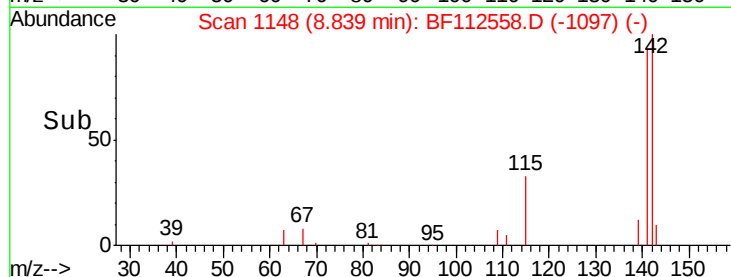
115 32.8 24.9 37.3



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: 0.791 ng

RT: 8.93 min Scan# 1164

Delta R.T. -0.01 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

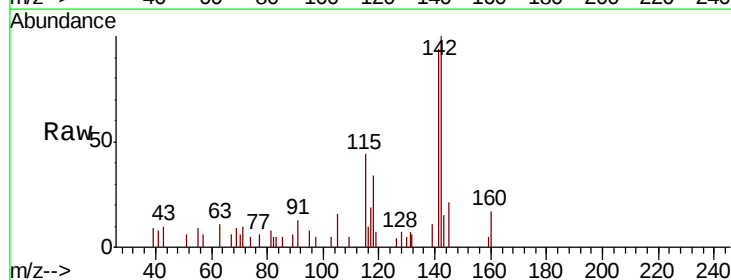
Tgt Ion:142 Resp: 8359

Ion Ratio Lower Upper

142 100

141 94.4 72.6 108.8

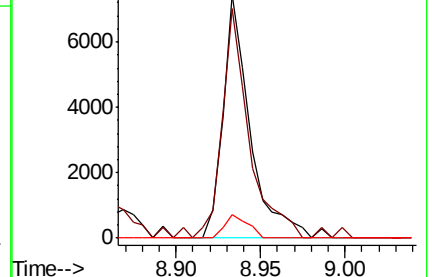
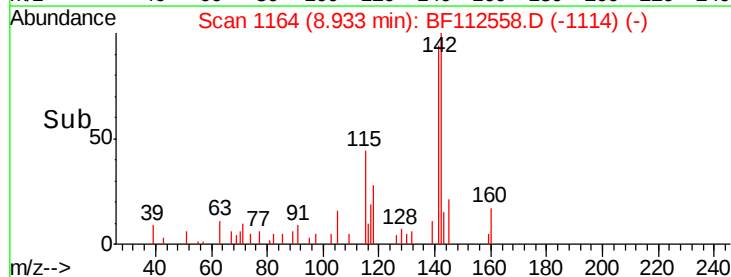
116 9.8 2.8 4.2#

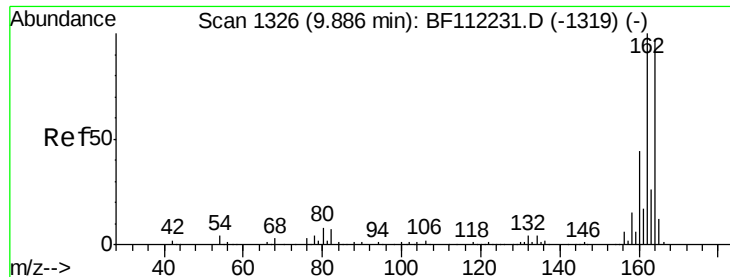


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

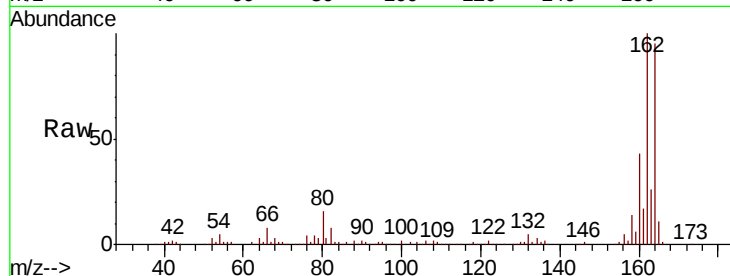




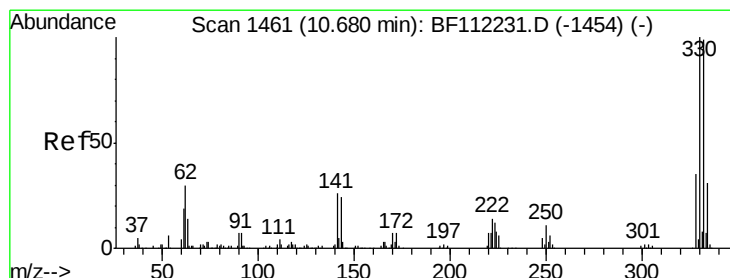
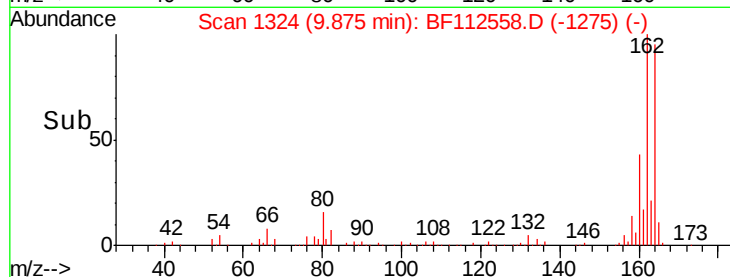
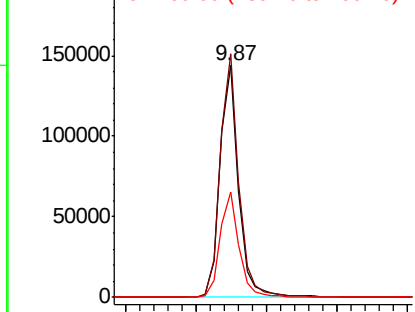
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-HDL

Tgt Ion:164 Resp: 131627
Ion Ratio Lower Upper
164 100
162 105.1 82.2 123.4
160 45.3 36.2 54.4

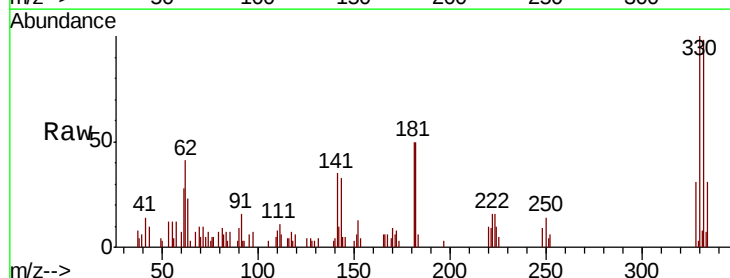


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

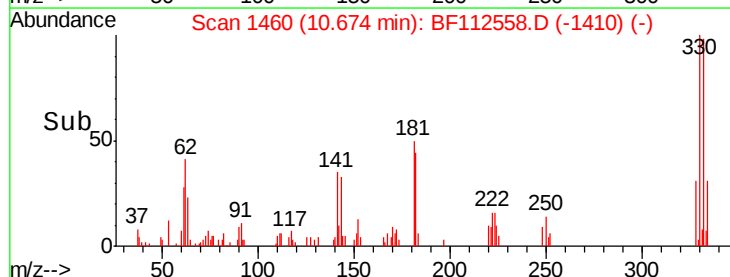
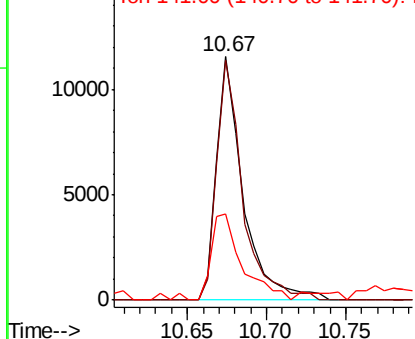


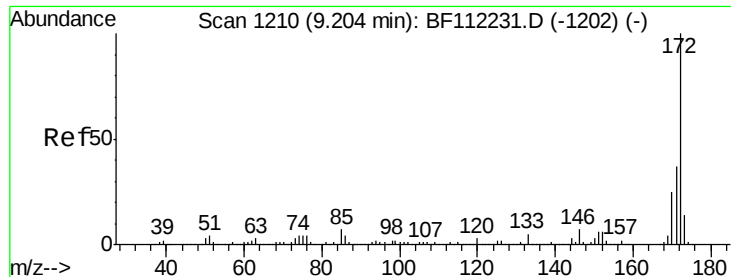
#42
2,4,6-Tribromophenol
Concen: 8.812 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Tgt Ion:330 Resp: 13501
Ion Ratio Lower Upper
330 100
332 96.1 76.6 114.8
141 40.7 24.3 36.5#



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

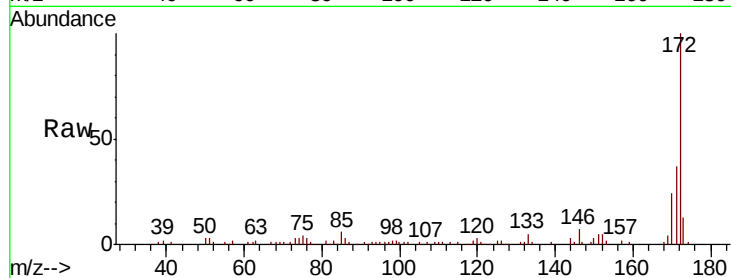




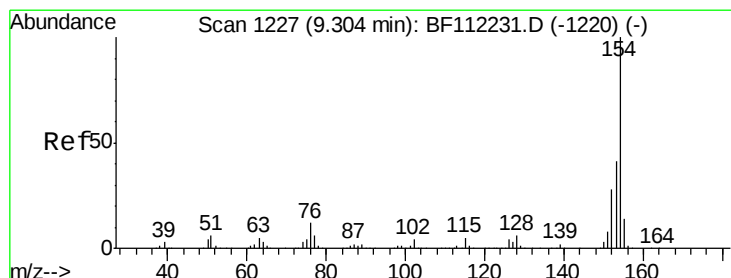
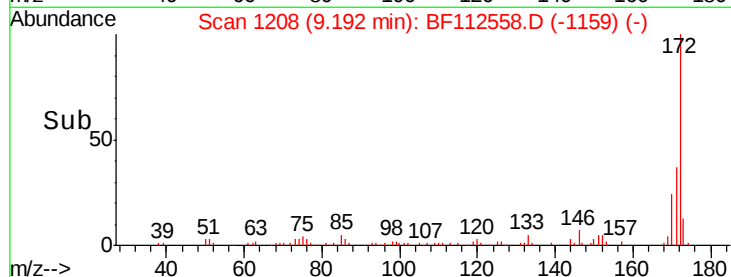
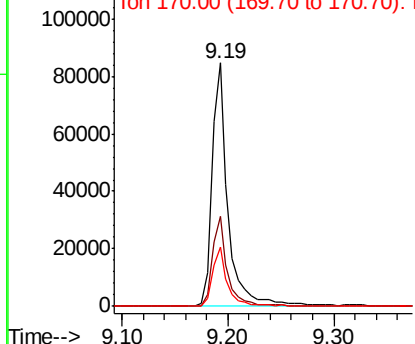
#45
 2-Fluorobiphenyl
 Concen: 9.698 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112558.D
 Acq: 14 Feb 2019 2:45

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-HDL

Tgt Ion:172 Resp: 90255
 Ion Ratio Lower Upper
 172 100
 171 37.2 30.5 45.7
 170 24.2 20.2 30.4

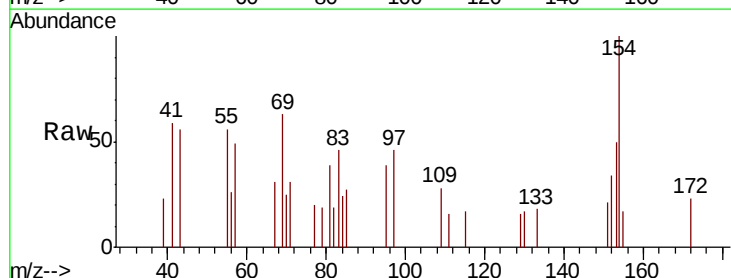


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

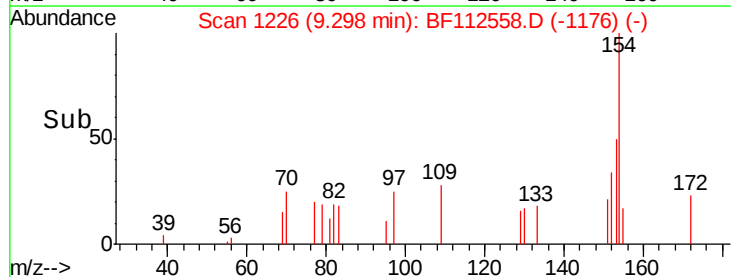
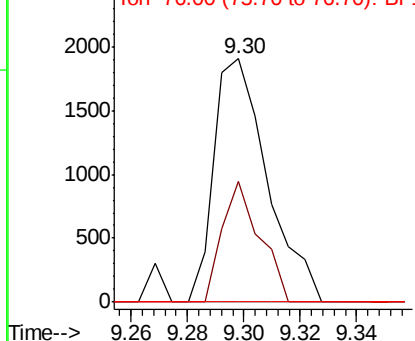


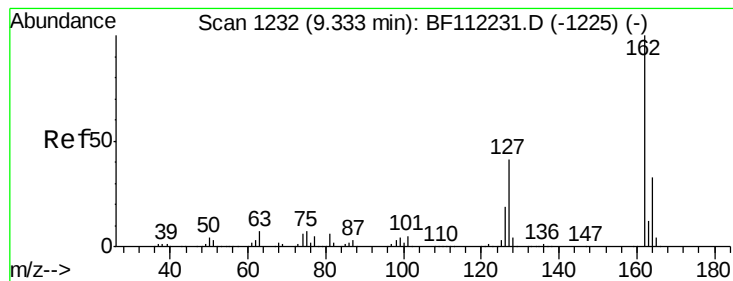
#46
 1,1'-Biphenyl
 Concen: 0.217 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF112558.D
 Acq: 14 Feb 2019 2:45

Tgt Ion:154 Resp: 2502
 Ion Ratio Lower Upper
 154 100
 153 49.8 21.5 61.5
 76 0.0 0.0 33.1



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: 0.015 ng

RT: 9.46 min Scan# 1254

Delta R.T. 0.13 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-HDL

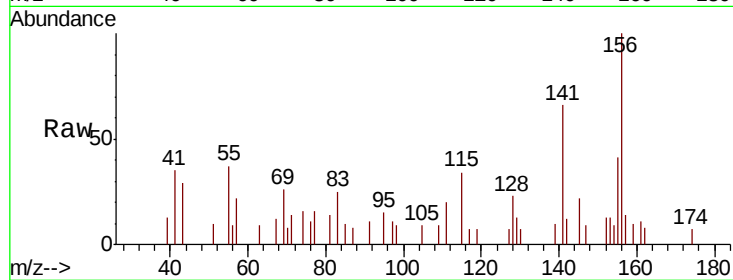
Tgt Ion: 162 Resp: 130

Ion Ratio Lower Upper

162 100

127 88.9 30.4 45.6#

164 0.0 27.4 41.2#

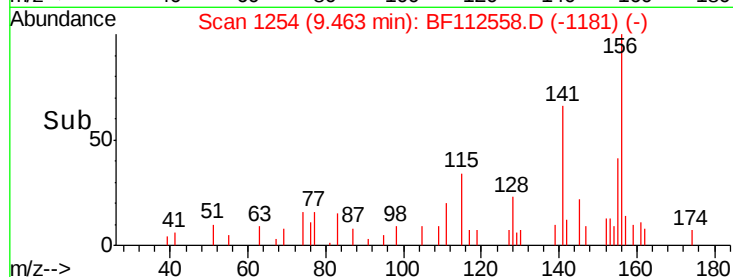


Abundance Ion 162.00 (161.70 to 162.70): E

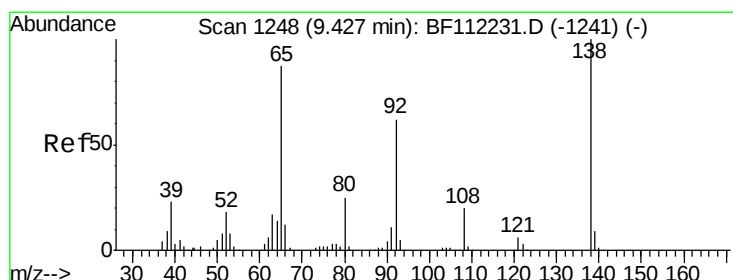
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



Time-->



#48

2-Nitroaniline

Concen: 0.092 ng

RT: 9.54 min Scan# 1267

Delta R.T. 0.11 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

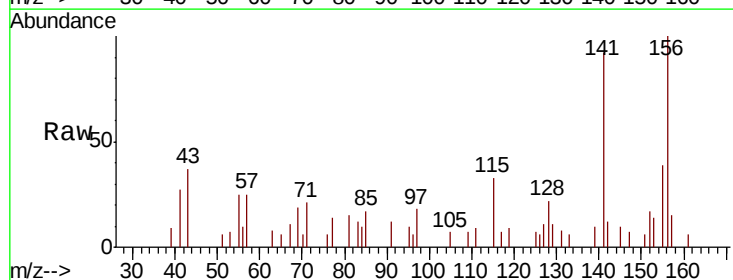
Tgt Ion: 65 Resp: 224

Ion Ratio Lower Upper

65 100

92 0.0 60.4 90.6#

138 0.0 104.4 156.6#

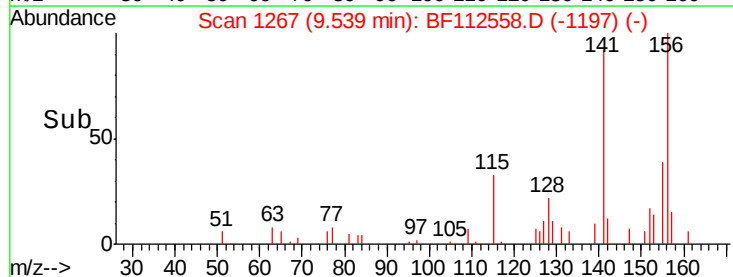


Abundance Ion 65.00 (64.70 to 65.70): BF1

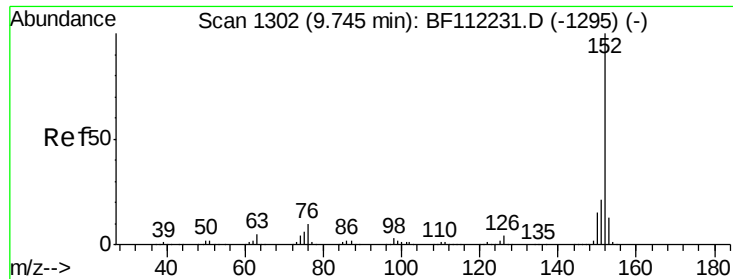
Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E

Time-->



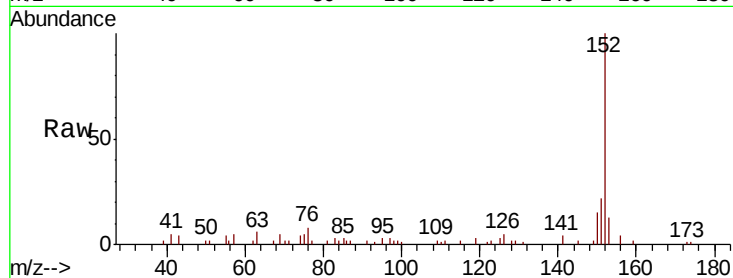
Time-->



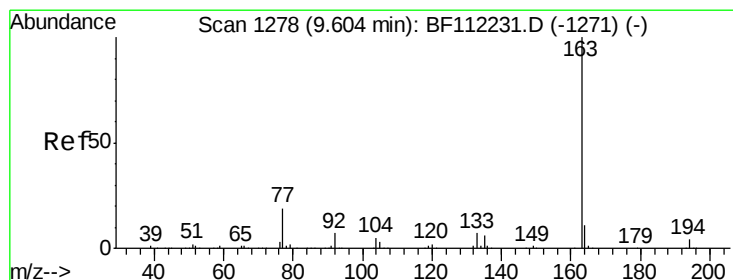
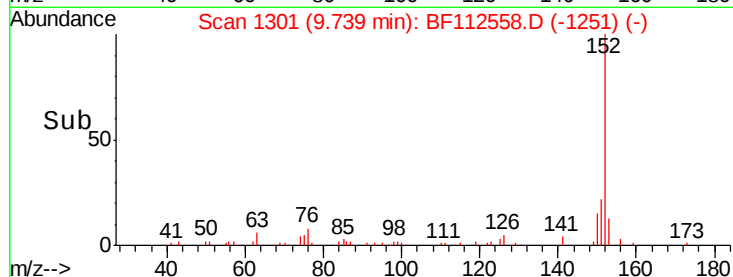
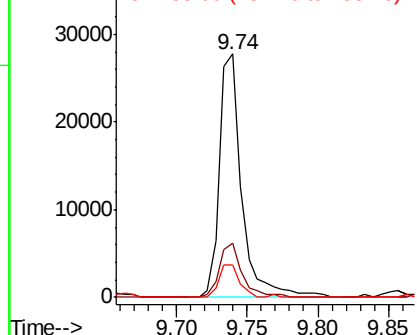
#49
Acenaphthylene
Concen: 2.341 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-HDL

Tgt Ion:152 Resp: 30622
Ion Ratio Lower Upper
152 100
151 22.3 17.0 25.6
153 13.1 11.2 16.8

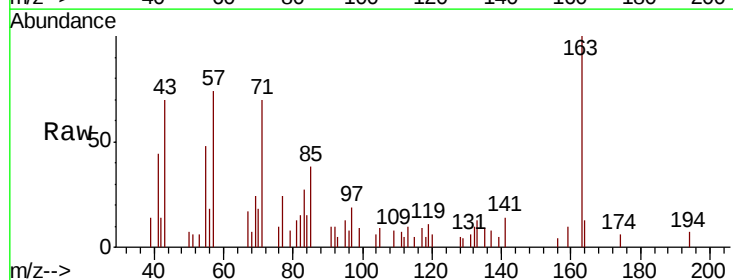


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

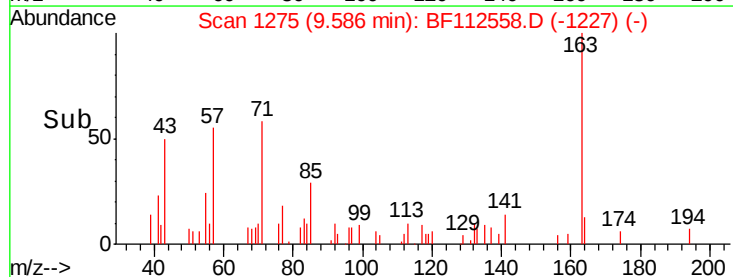
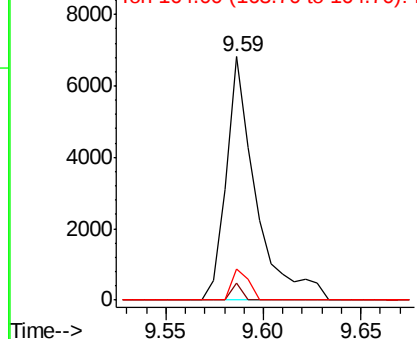


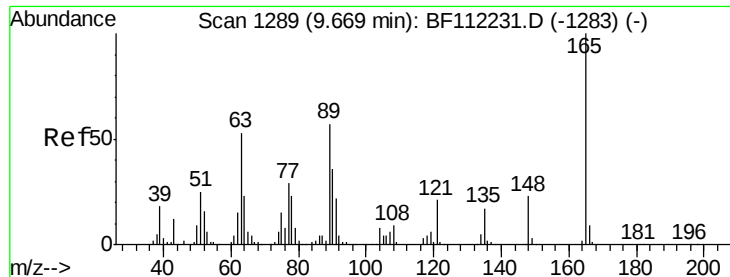
#50
Dimethylphthalate
Concen: 0.702 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Tgt Ion:163 Resp: 7175
Ion Ratio Lower Upper
163 100
194 7.1 3.3 4.9#
164 12.8 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: 7.442 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.21 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-HDL

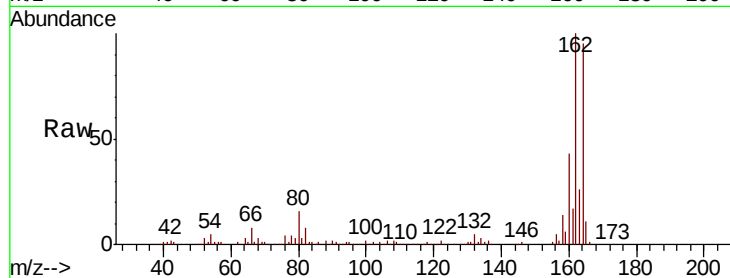
Tgt Ion:165 Resp: 17045

Ion Ratio Lower Upper

165 100

63 0.0 33.8 50.8#

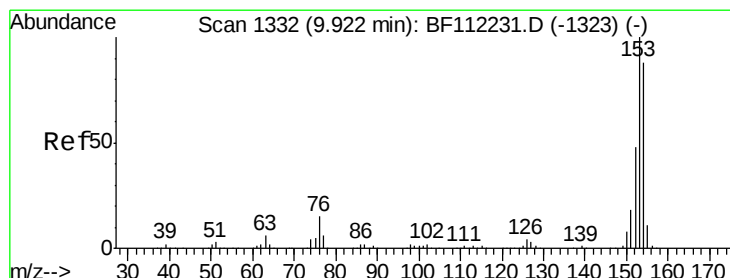
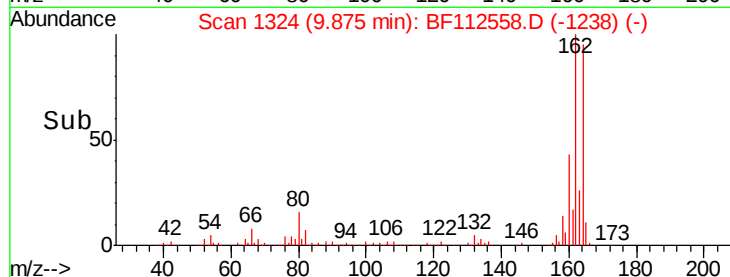
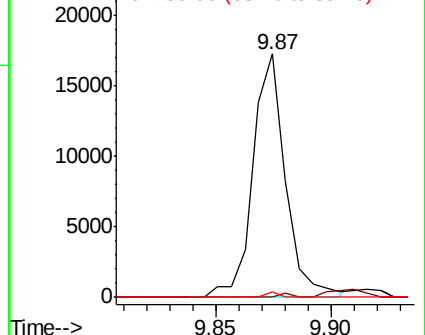
89 2.2 36.9 55.3#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 0.897 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

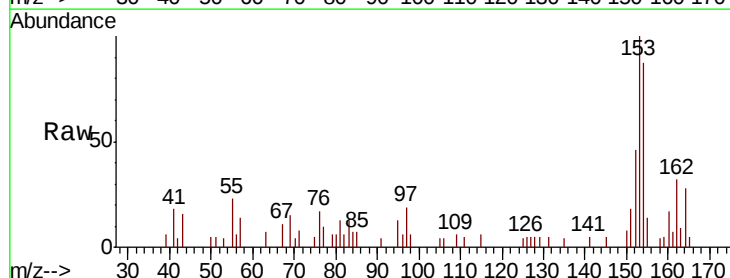
Tgt Ion:154 Resp: 7006

Ion Ratio Lower Upper

154 100

153 115.4 89.8 134.6

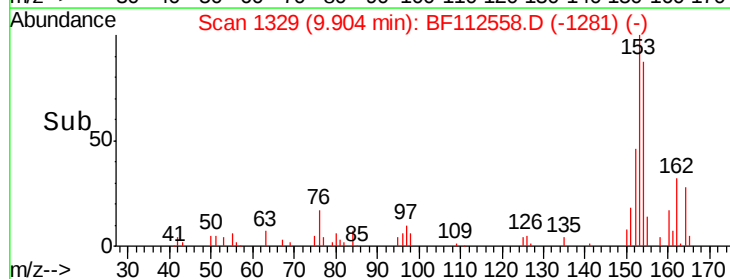
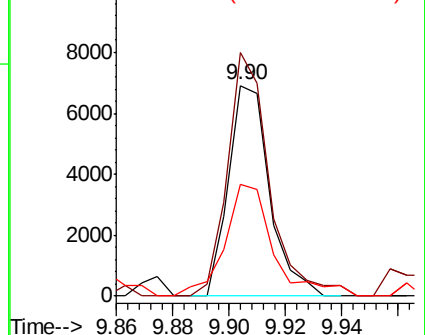
152 52.9 43.5 65.3

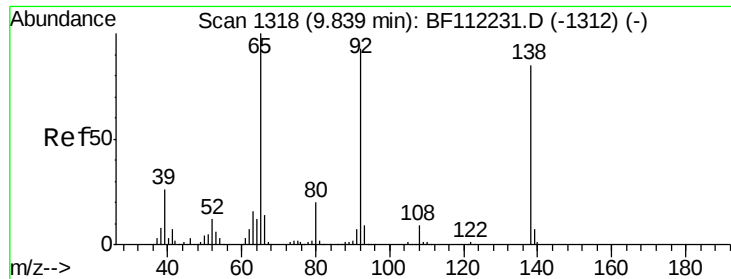


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

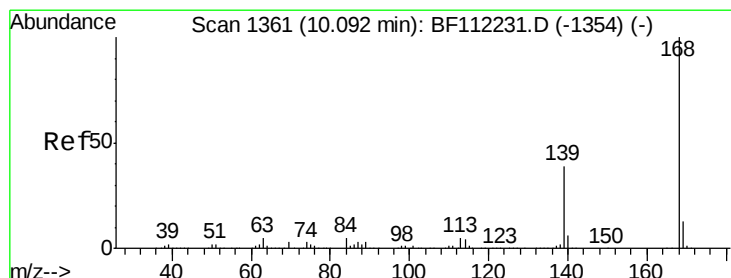
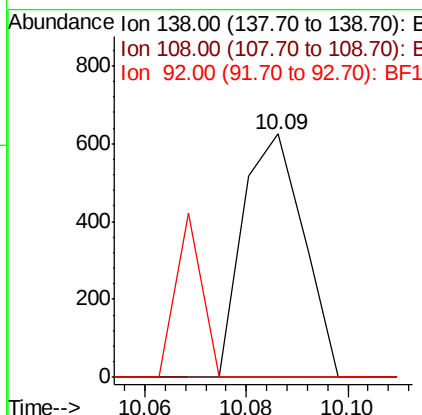
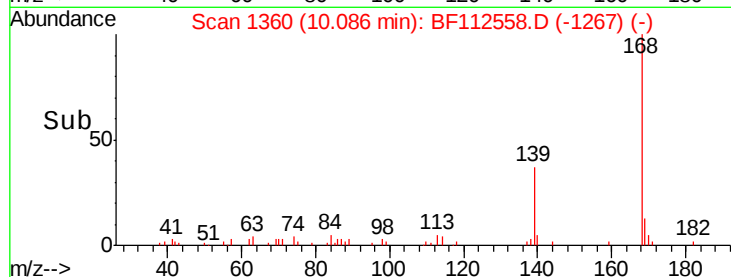
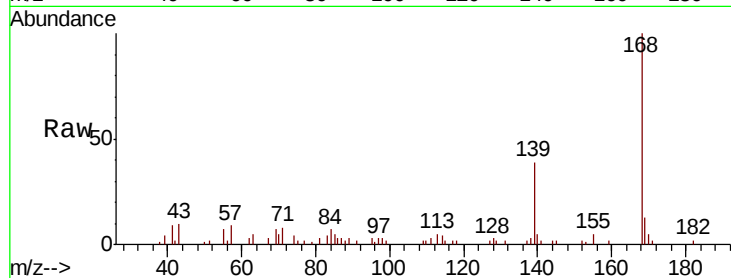




#53
3-Nitroaniline
Concen: 0.208 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.25 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

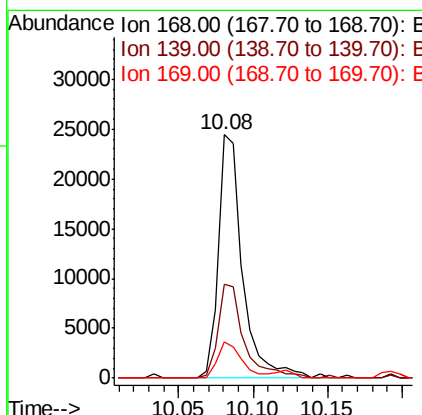
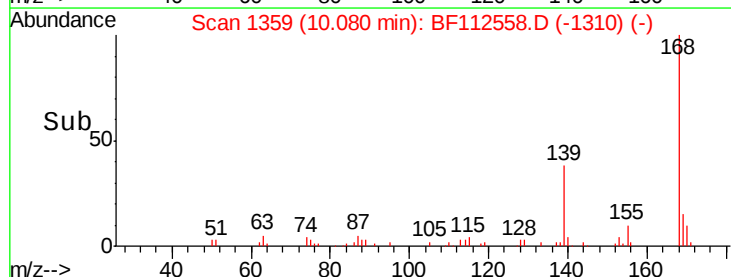
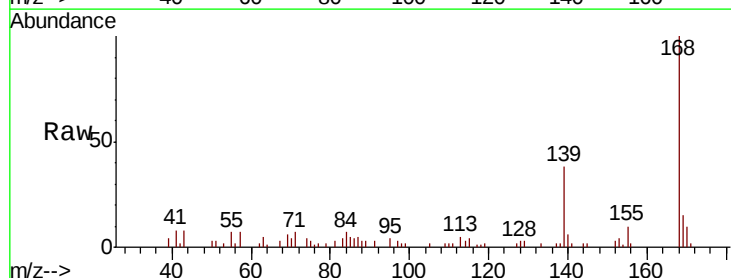
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-HDL

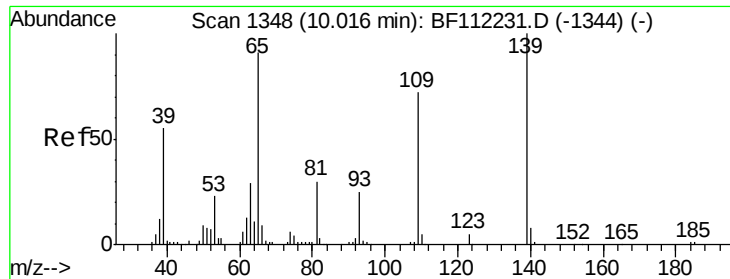
Tgt Ion:138 Resp: 515
Ion Ratio Lower Upper
138 100
108 0.0 9.8 14.6#
92 0.0 79.4 119.2#



#55
Dibenzofuran
Concen: 2.336 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Tgt Ion:168 Resp: 27896
Ion Ratio Lower Upper
168 100
139 38.4 29.2 43.8
169 14.8 11.4 17.0

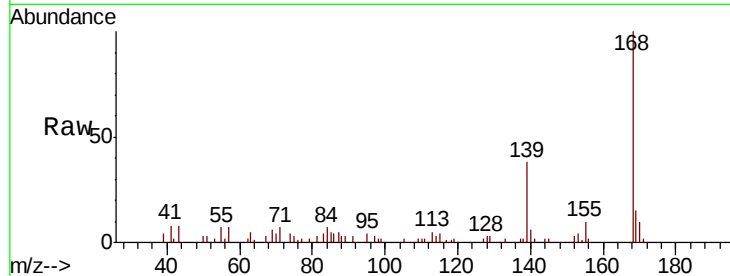




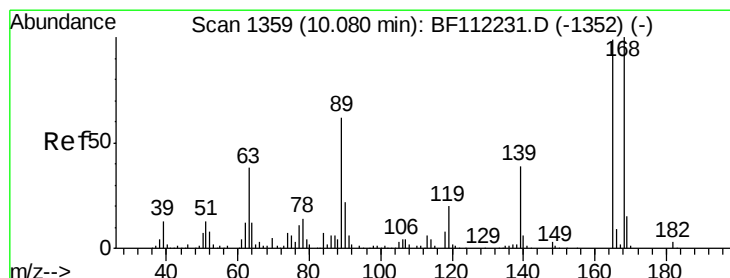
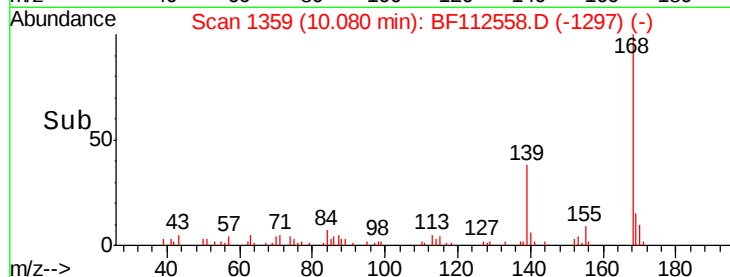
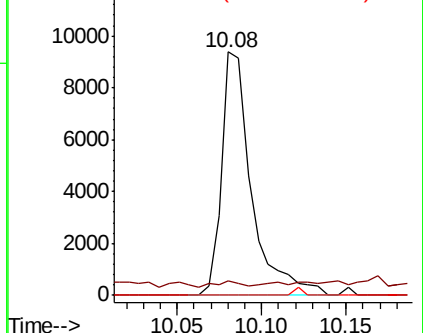
#56
 4-Nitrophenol
 Concen: 8.816 ng
 RT: 10.08 min Scan# 1359
 Delta R.T. 0.06 min
 Lab File: BF112558.D
 Acq: 14 Feb 2019 2:45

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-HDL

Tgt Ion	Ratio	Lower	Upper
139	100		
109	6.1	42.8	82.8#
65	0.0	66.1	106.1#



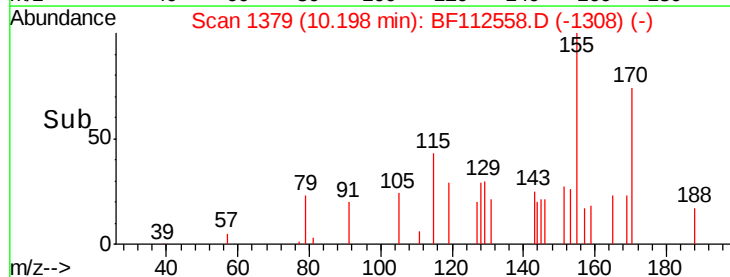
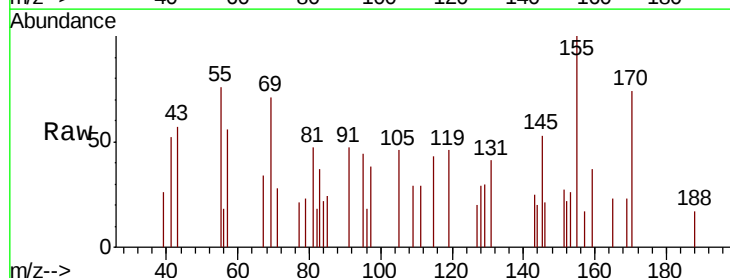
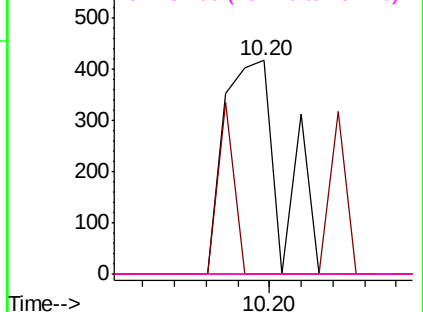
Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

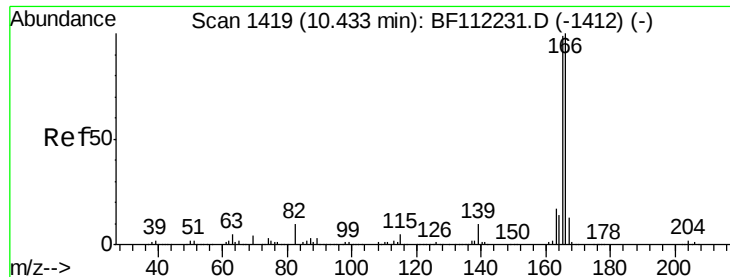


#57
 2,4-Dinitrotoluene
 Concen: 0.180 ng
 RT: 10.20 min Scan# 1379
 Delta R.T. 0.12 min
 Lab File: BF112558.D
 Acq: 14 Feb 2019 2:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	27.9	41.9#
89	0.0	47.9	71.9#
182	0.0	2.2	3.4#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 1.188 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.01 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-HDL

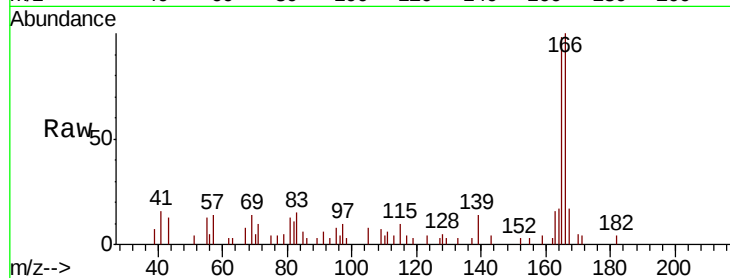
Tgt Ion:166 Resp: 10617

Ion Ratio Lower Upper

166 100

165 98.1 77.1 115.7

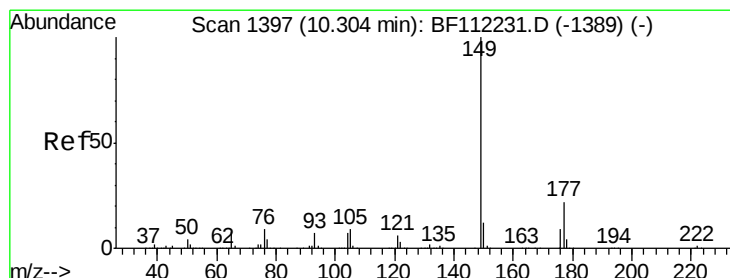
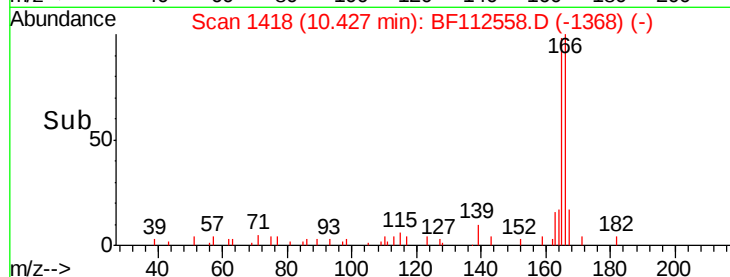
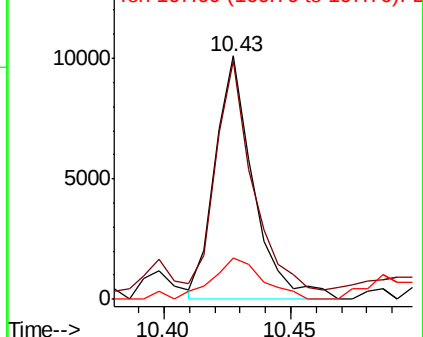
167 17.1 11.3 16.9#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

Diethylphthalate

Concen: 0.031 ng

RT: 10.28 min Scan# 1393

Delta R.T. -0.02 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

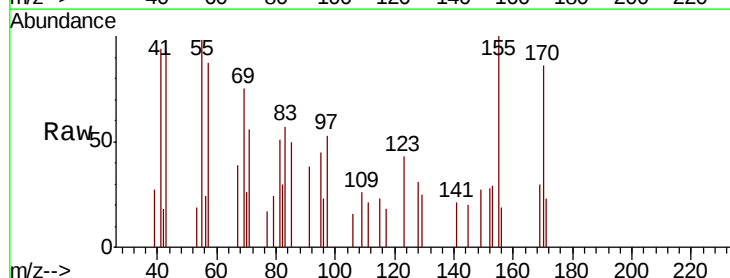
Tgt Ion:149 Resp: 318

Ion Ratio Lower Upper

149 100

177 0.0 18.2 27.2#

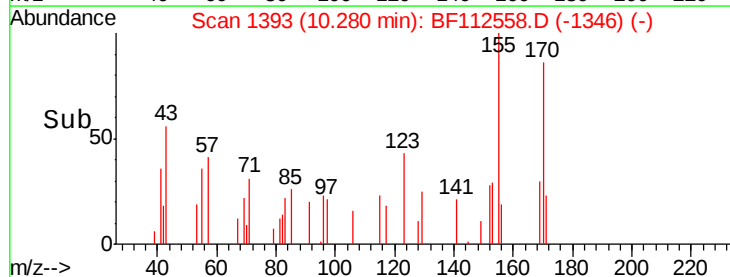
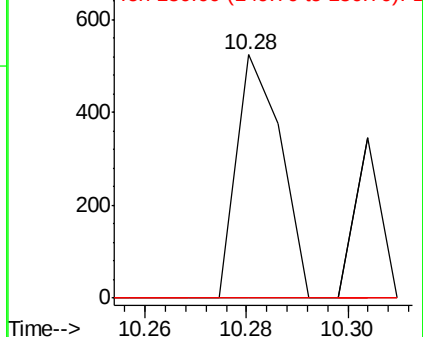
150 0.0 10.4 15.6#

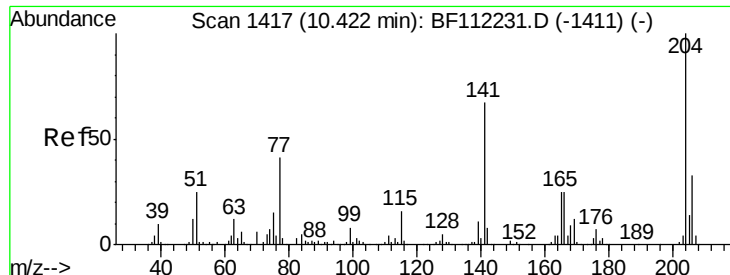


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

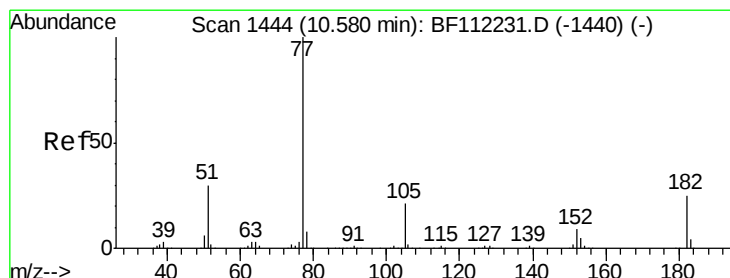
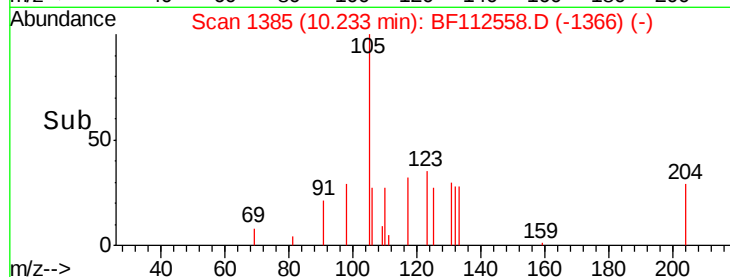
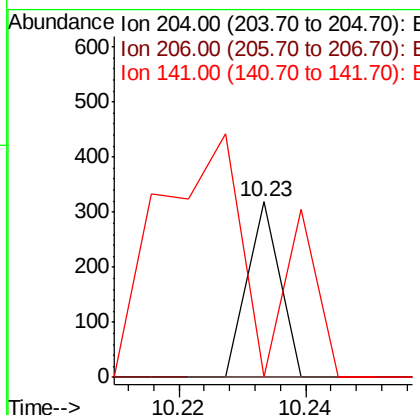
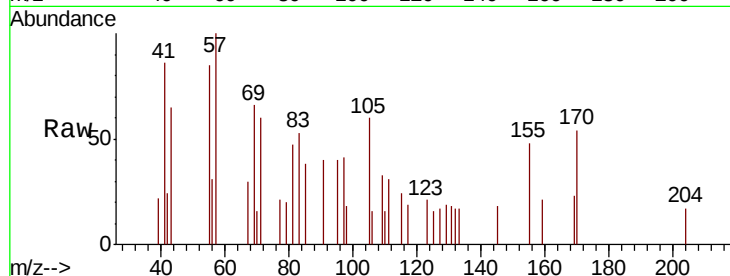




#61
4-Chlorophenyl-phenylether
Concen: 0.023 ng
RT: 10.23 min Scan# 1385
Delta R.T. -0.19 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

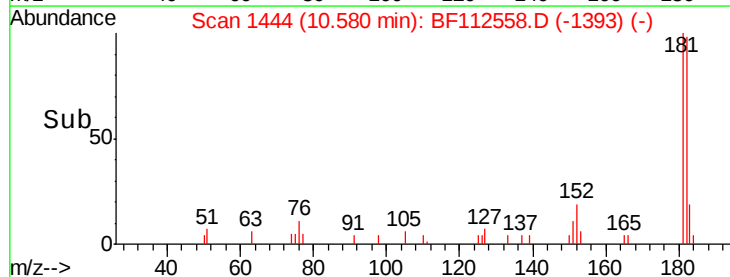
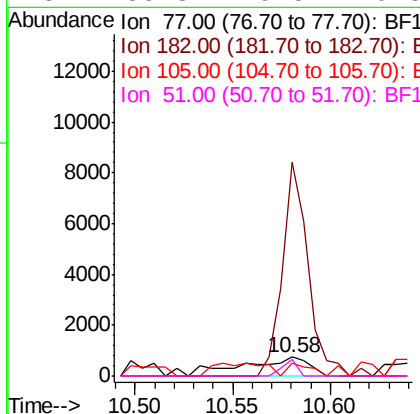
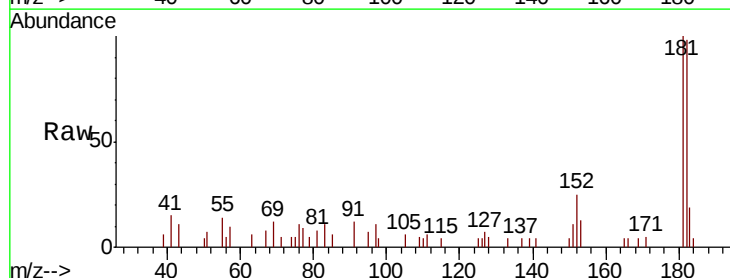
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-HDL

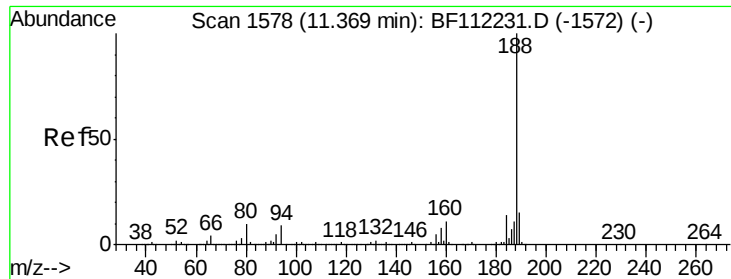
Tgt Ion: 204 Resp: 113
Ion Ratio Lower Upper
204 100
206 0.0 26.5 39.7#
141 0.0 45.9 68.9#



#63
Azobenzene
Concen: 0.198 ng
RT: 10.58 min Scan# 1444
Delta R.T. 0.00 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Tgt Ion: 77 Resp: 1767
Ion Ratio Lower Upper
77 100
182 1124.3 5.7 45.7#
105 67.4 1.4 41.4#
51 85.3 9.5 49.5#

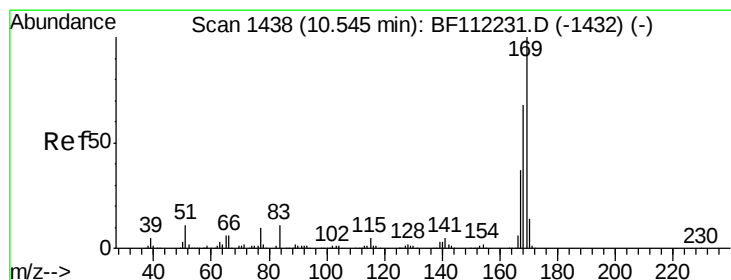
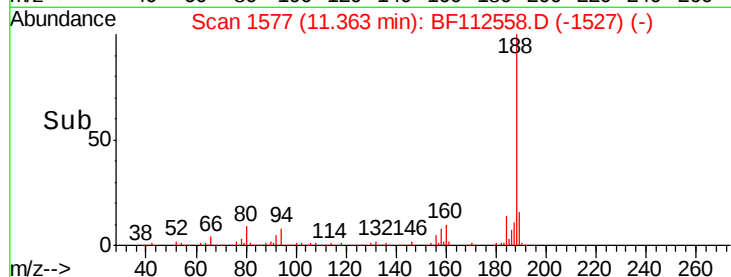
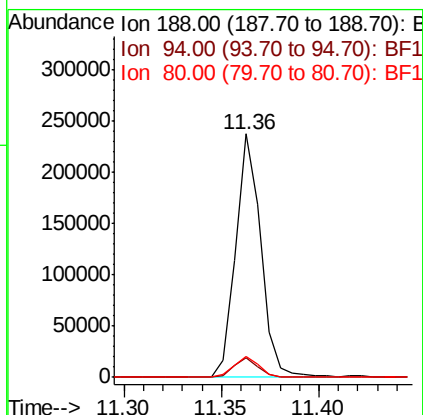
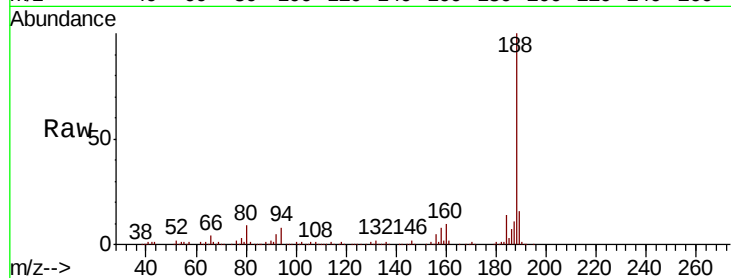




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

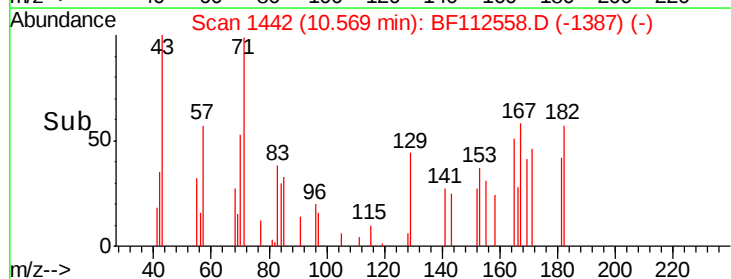
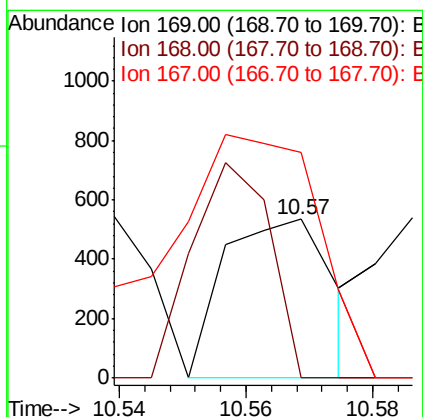
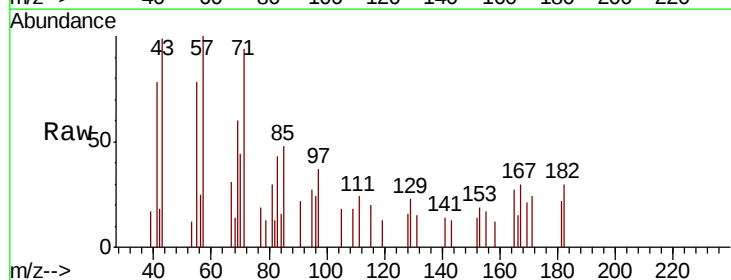
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-HDL

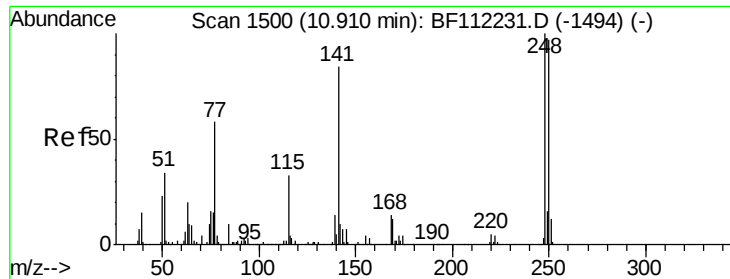
Tgt Ion:188 Resp: 212048
Ion Ratio Lower Upper
188 100
94 7.9 8.2 12.2#
80 8.8 8.9 13.3#



#66
n-Nitrosodiphenylamine
Concen: 0.088 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.02 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Tgt Ion:169 Resp: 629
Ion Ratio Lower Upper
169 100
168 0.0 53.9 80.9#
167 142.3 28.9 43.3#

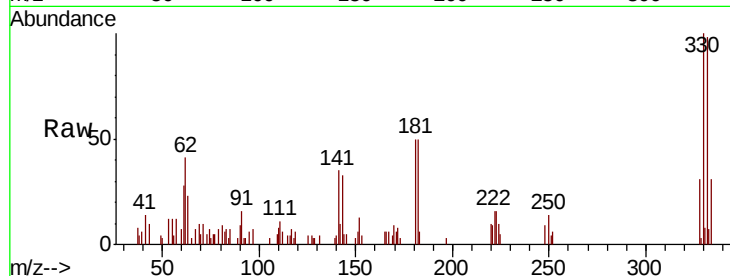




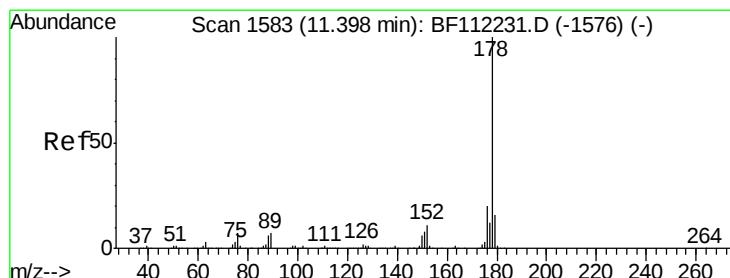
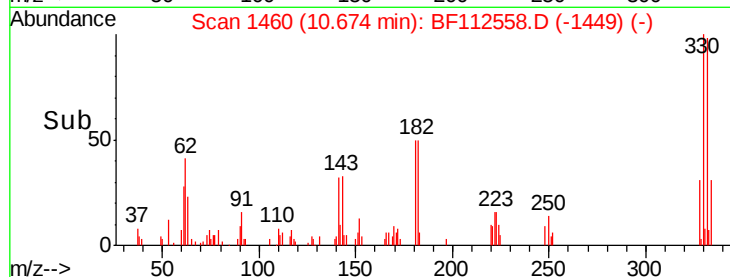
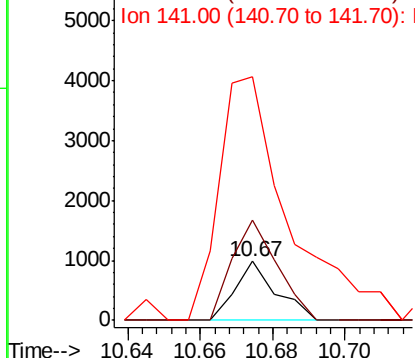
#67
 4-Bromophenyl-phenylether
 Concen: 0.314 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF112558.D
 Acq: 14 Feb 2019 2:45

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-HDL

Tgt Ion:248 Resp: 783
 Ion Ratio Lower Upper
 248 100
 250 168.7 79.7 119.5#
 141 412.2 60.3 90.5#

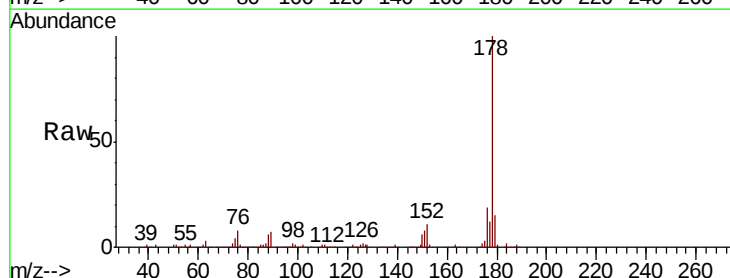


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

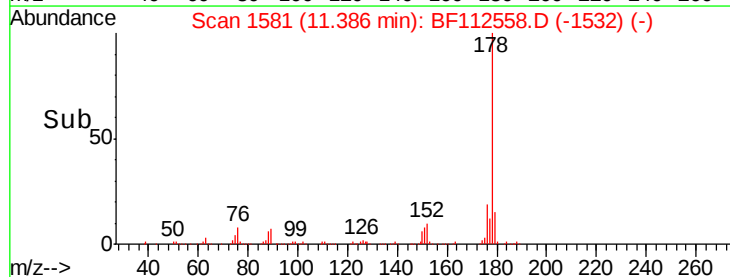
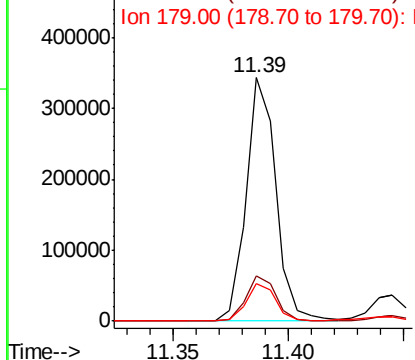


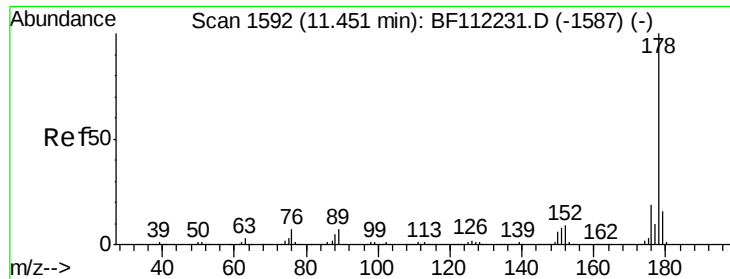
#71
 Phenanthrene
 Concen: 28.101 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF112558.D
 Acq: 14 Feb 2019 2:45

Tgt Ion:178 Resp: 309786
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.3 24.5
 179 15.3 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

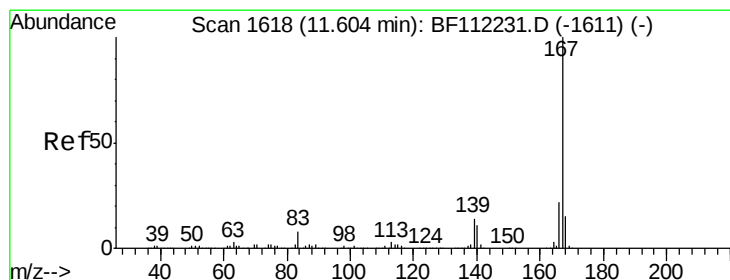
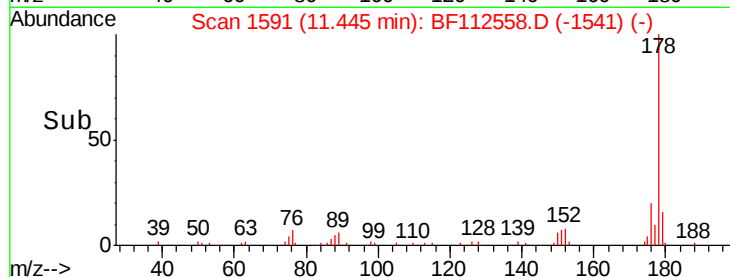
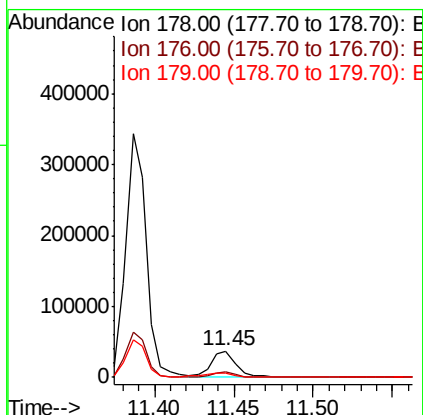
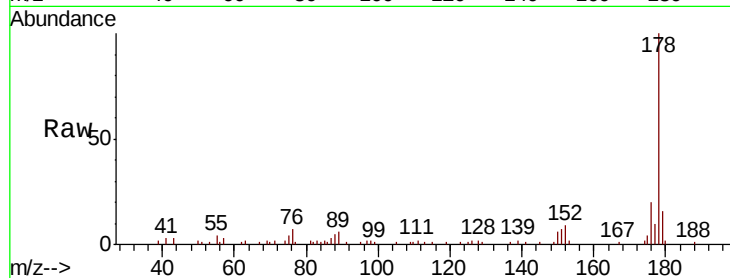




#72
 Anthracene
 Concen: 3.797 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF112558.D
 Acq: 14 Feb 2019 2:45

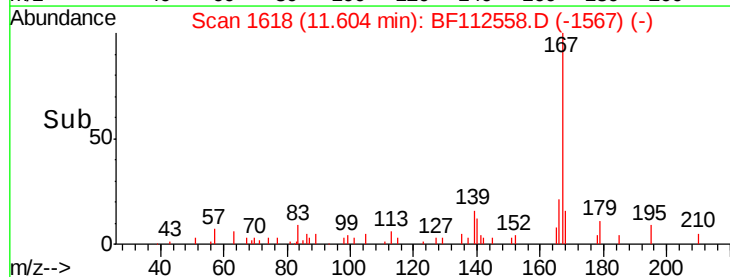
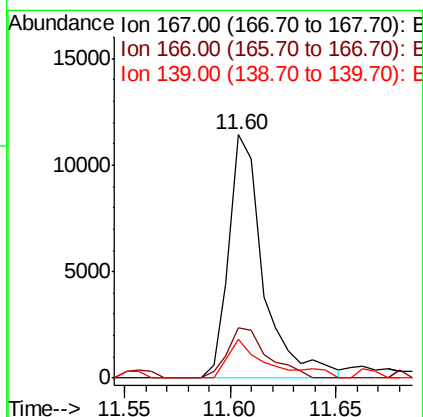
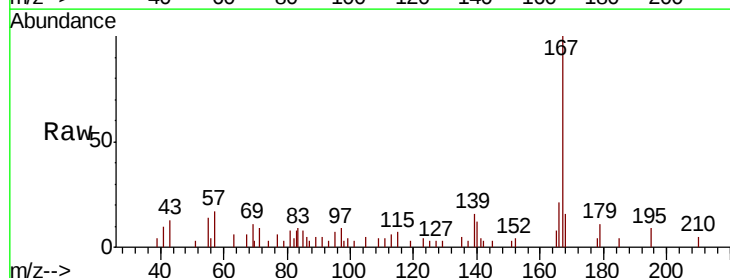
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-HDL

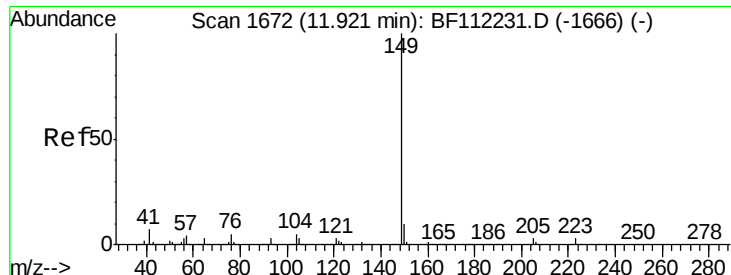
Tgt Ion:178 Resp: 41693
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.5 23.3
 179 16.1 12.8 19.2



#73
 Carbazole
 Concen: 1.198 ng
 RT: 11.60 min Scan# 1618
 Delta R.T. 0.00 min
 Lab File: BF112558.D
 Acq: 14 Feb 2019 2:45

Tgt Ion:167 Resp: 12977
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.9 26.9
 139 15.9 10.2 15.2#





#74

Di-n-butylphthalate

Concen: 0.067 ng

RT: 11.91 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-HDL

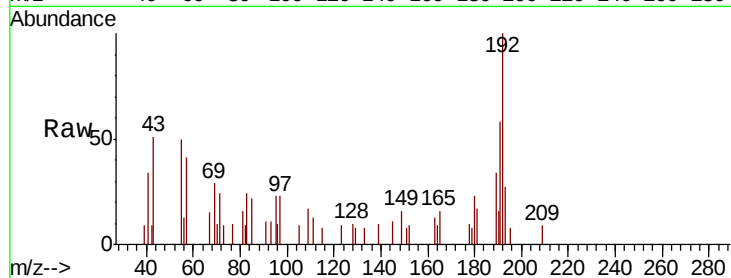
Tgt Ion:149 Resp: 901

Ion Ratio Lower Upper

149 100

150 0.0 8.1 12.1#

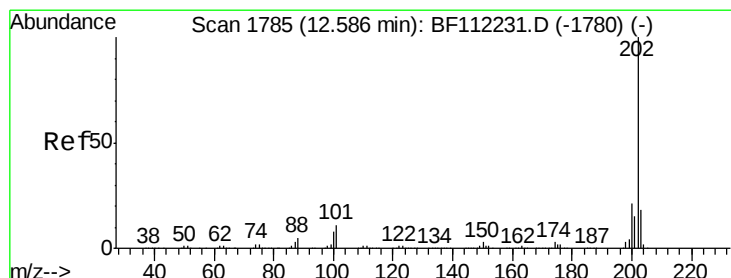
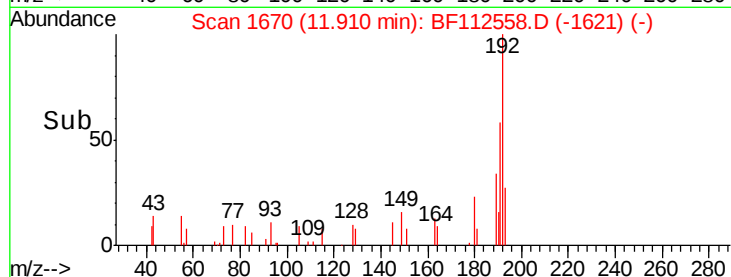
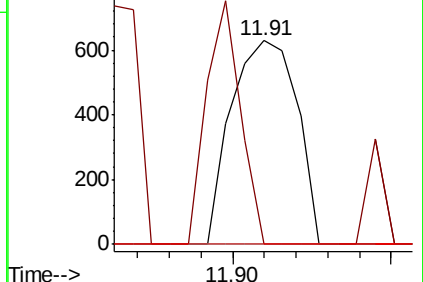
104 0.0 3.9 5.9#



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: 32.575 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

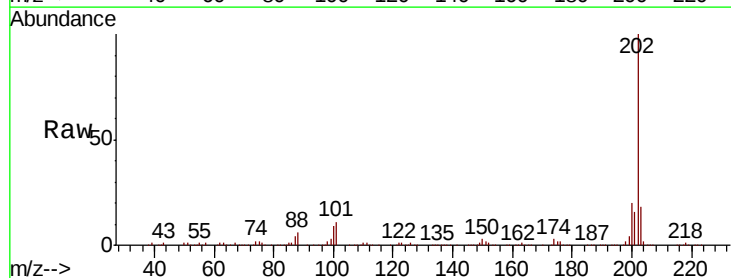
Tgt Ion:202 Resp: 385164

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.8

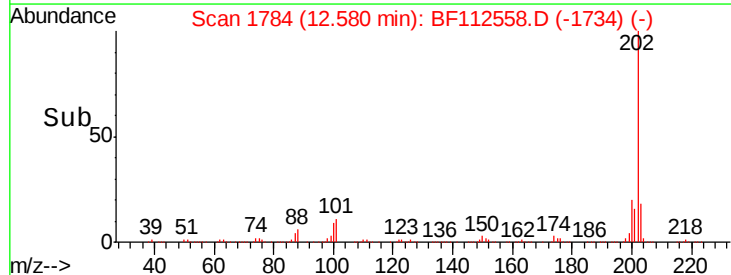
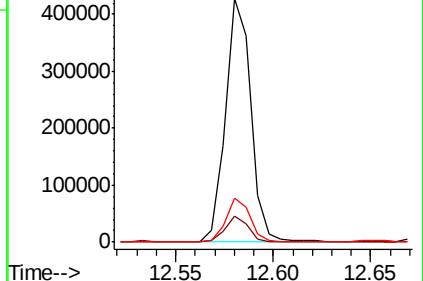
203 18.0 0.0 38.4

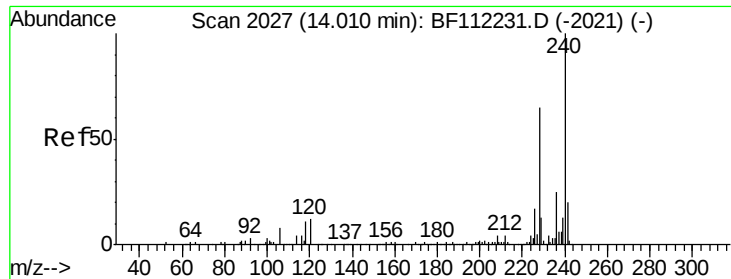


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

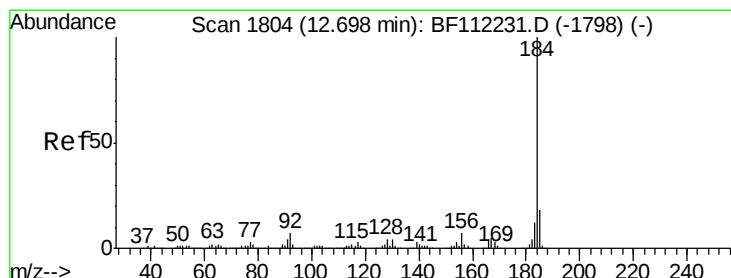
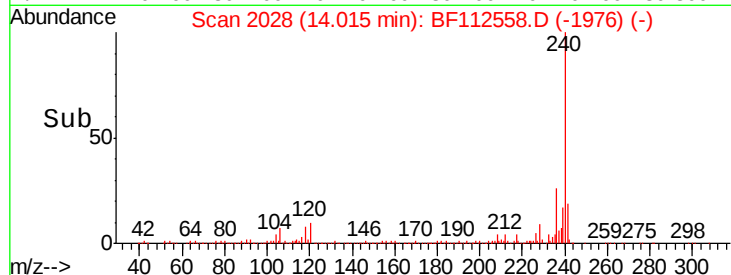
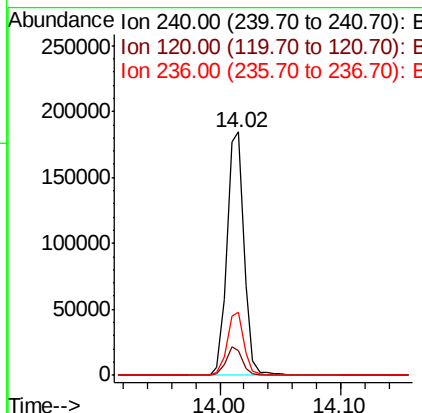
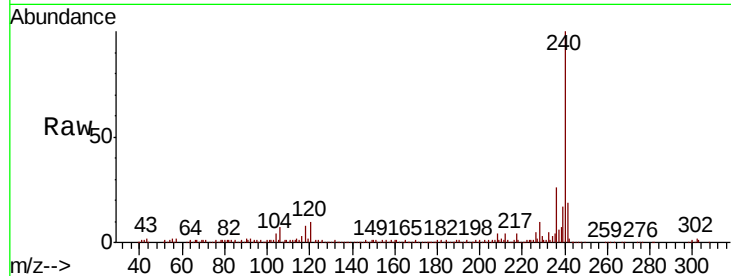




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

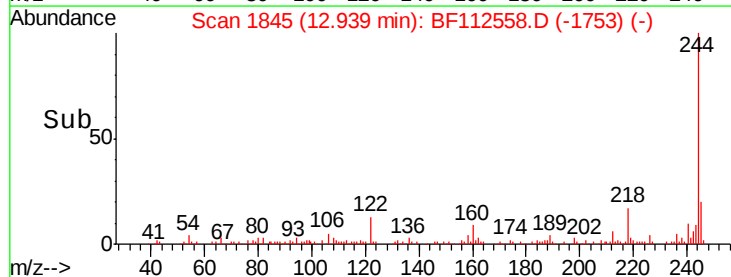
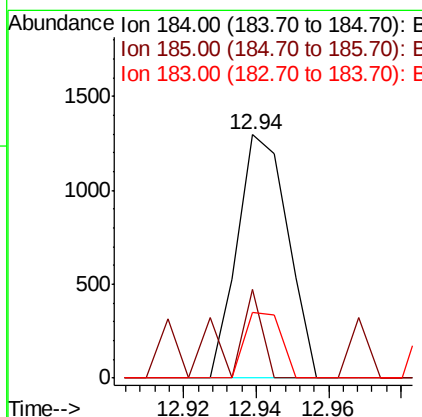
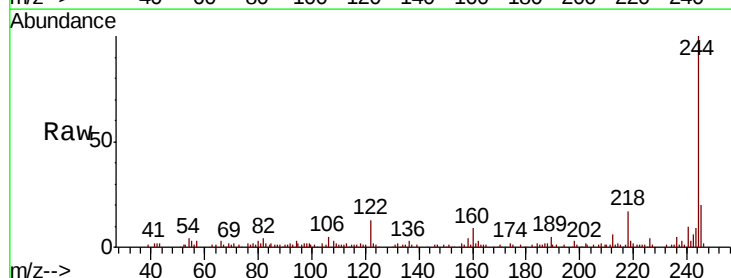
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-HDL

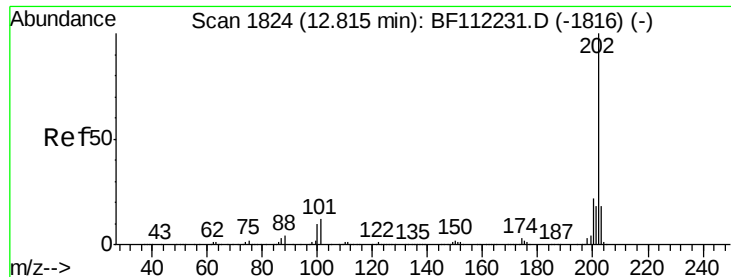
Tgt Ion:240 Resp: 182078
Ion Ratio Lower Upper
240 100
120 10.3 9.0 13.6
236 25.8 20.7 31.1



#77
Benzidine
Concen: 0.251 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.24 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Tgt Ion:184 Resp: 1256
Ion Ratio Lower Upper
184 100
185 36.3 13.9 20.9#
183 26.9 10.0 15.0#

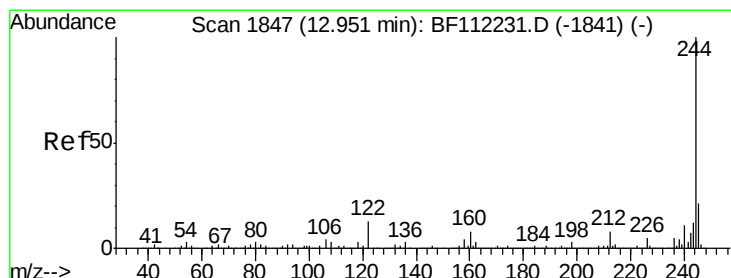
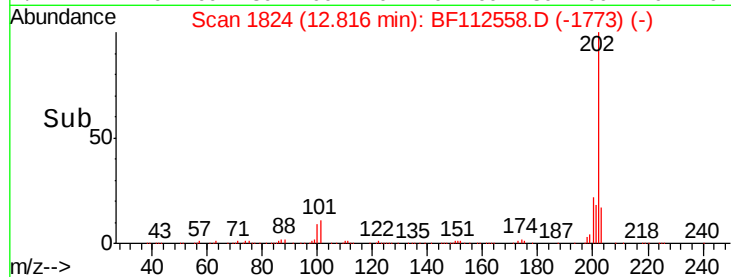
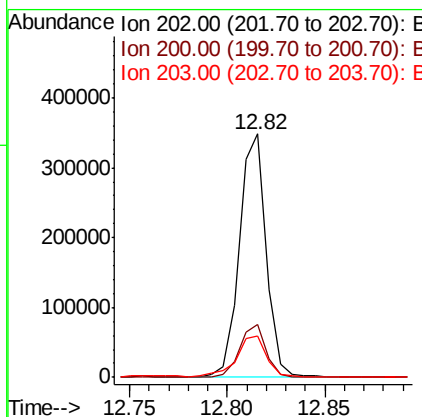
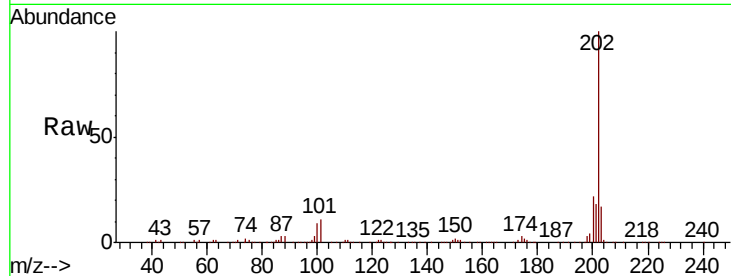




#78
 Pyrene
 Concen: 26.242 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. 0.00 min
 Lab File: BF112558.D
 Acq: 14 Feb 2019 2:45

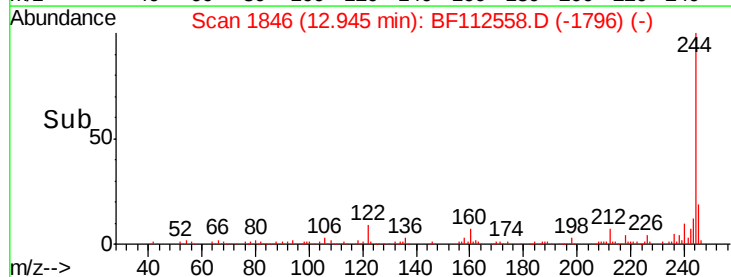
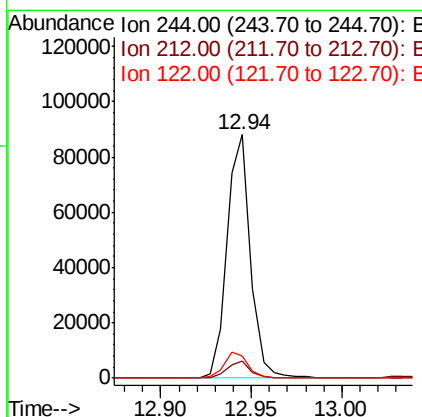
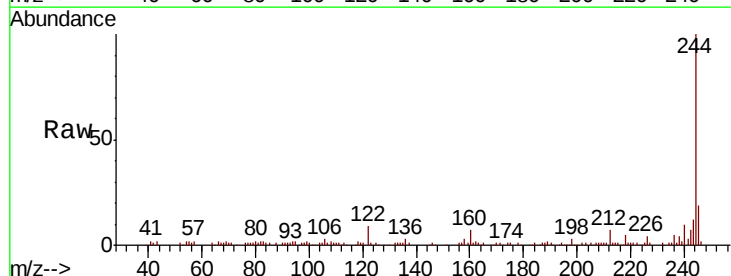
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-HDL

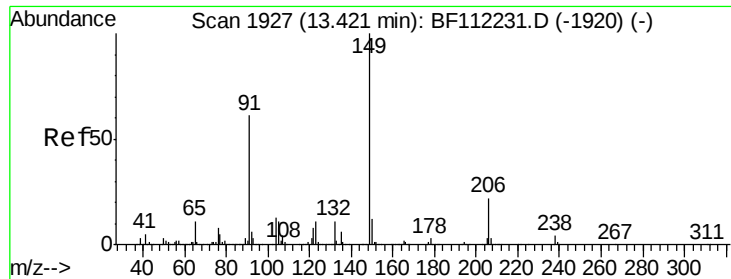
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.7	26.5
203	17.2	14.6	22.0



#79
 Terphenyl-d14
 Concen: 8.181 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF112558.D
 Acq: 14 Feb 2019 2:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	9.1	9.8	14.6#

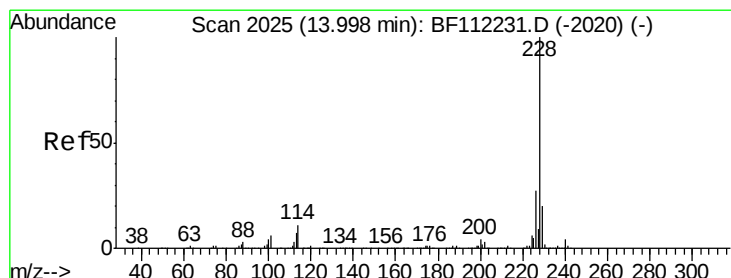
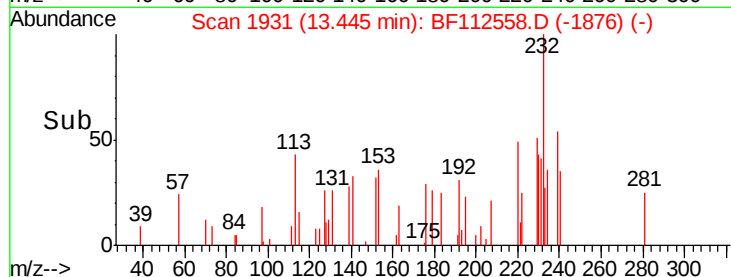
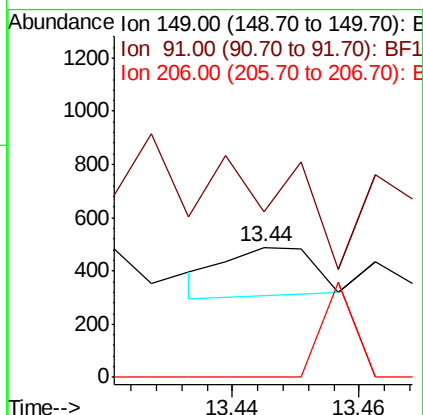
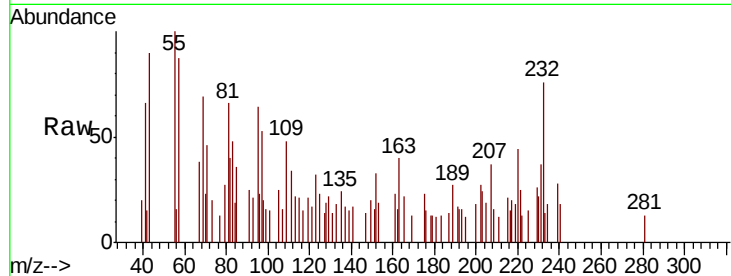




#80
Butylbenzylphthalate
Concen: 0.029 ng
RT: 13.44 min Scan# 1931
Delta R.T. 0.02 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

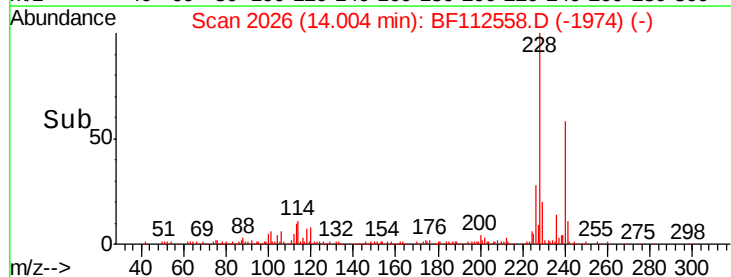
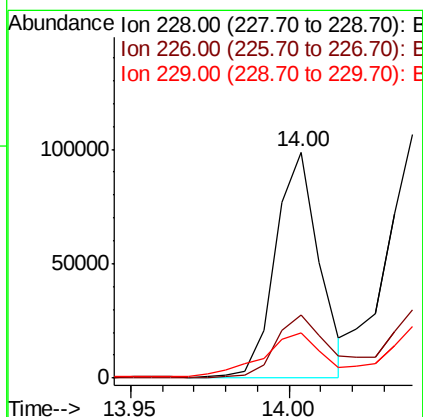
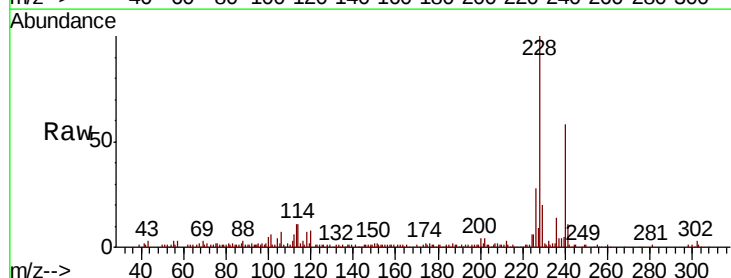
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-HDL

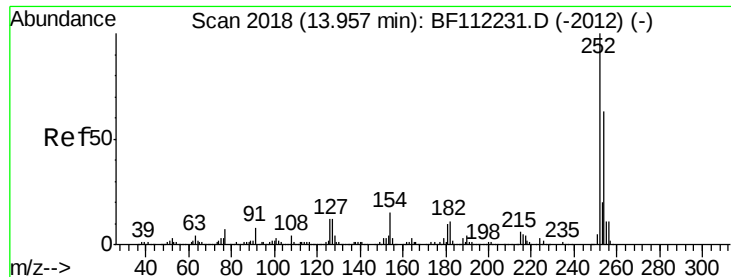
Tgt Ion:149 Resp: 175
Ion Ratio Lower Upper
149 100
91 127.5 50.3 75.5#
206 0.0 18.2 27.4#



#81
Benzo(a)anthracene
Concen: 8.771 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Tgt Ion:228 Resp: 93883
Ion Ratio Lower Upper
228 100
226 28.1 22.6 34.0
229 19.9 16.5 24.7





#82

3,3'-Dichlorobenzidine

Concen: 0.027 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-HDL

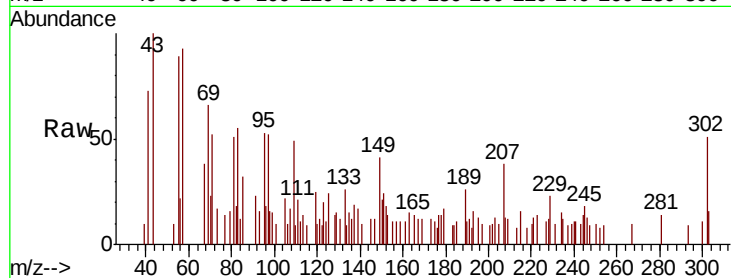
Tgt Ion:252 Resp: 109

Ion Ratio Lower Upper

252 100

254 112.3 51.6 77.4#

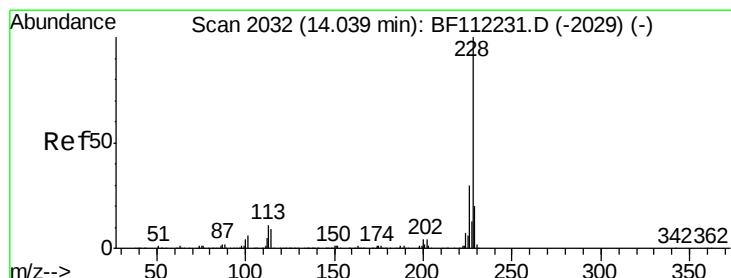
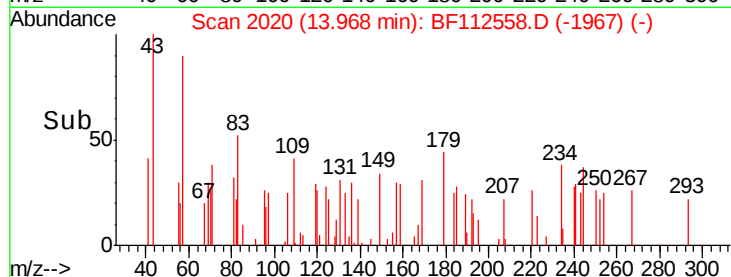
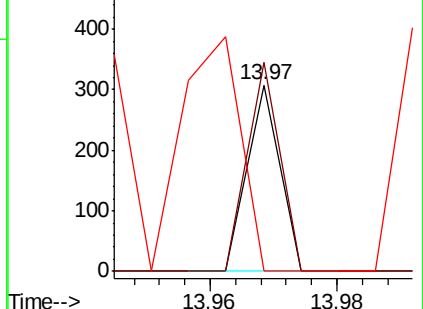
126 0.0 8.6 12.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 10.607 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

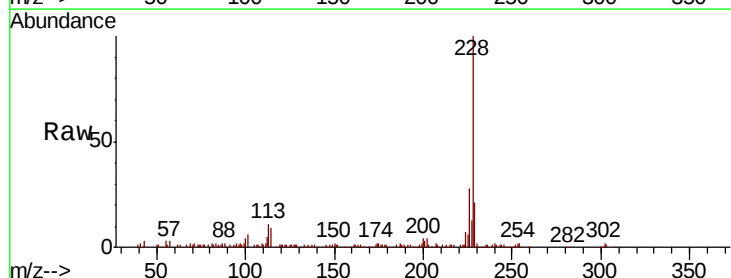
Tgt Ion:228 Resp: 108372

Ion Ratio Lower Upper

228 100

226 28.3 25.0 37.6

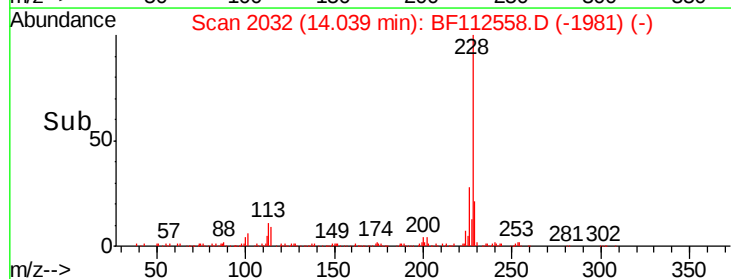
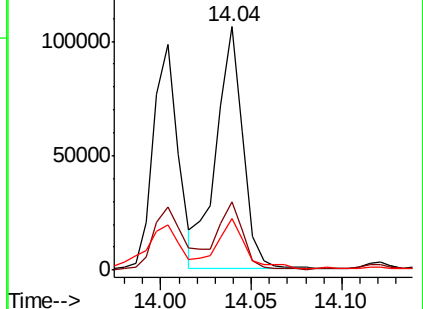
229 21.4 16.6 24.8

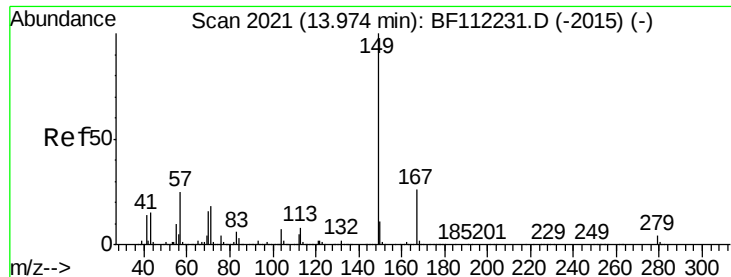


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.138 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-HDL

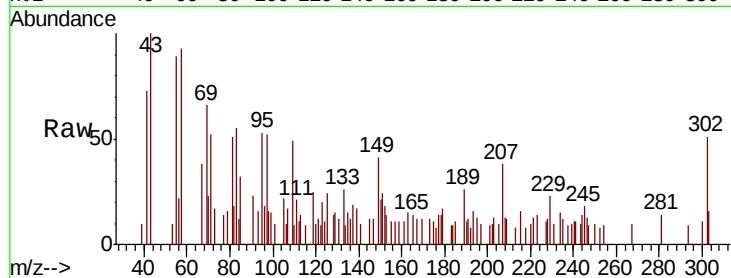
Tgt Ion:149 Resp: 1196

Ion Ratio Lower Upper

149 100

167 30.3 22.5 33.7

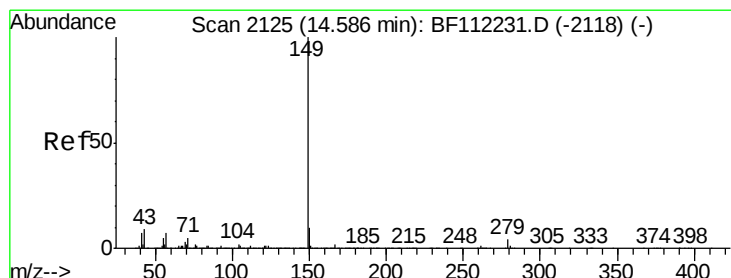
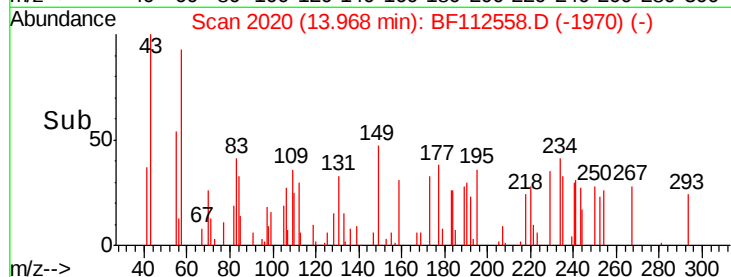
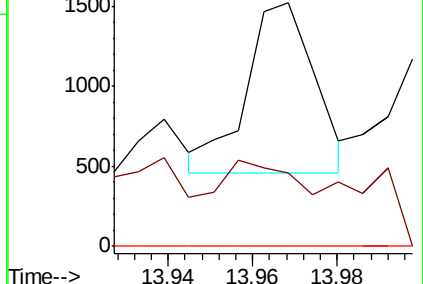
279 0.0 3.8 5.6#



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: 0.076 ng

RT: 14.59 min Scan# 2125

Delta R.T. 0.00 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

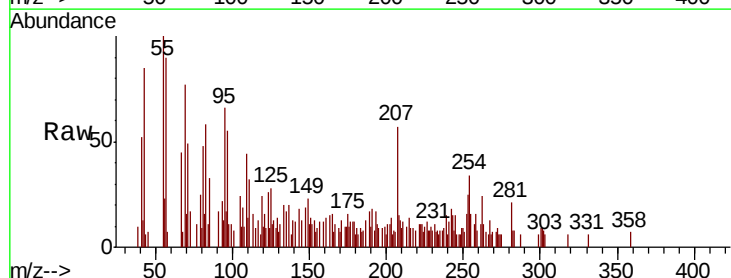
Tgt Ion:149 Resp: 1018

Ion Ratio Lower Upper

149 100

167 85.0 1.3 1.9#

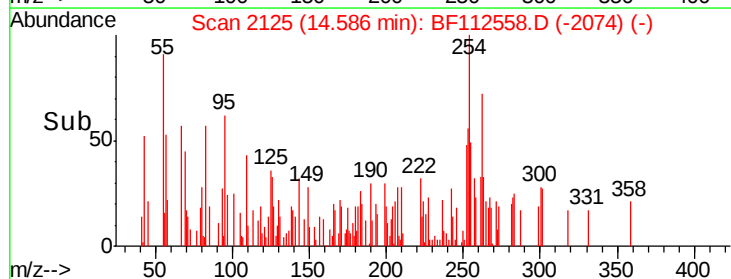
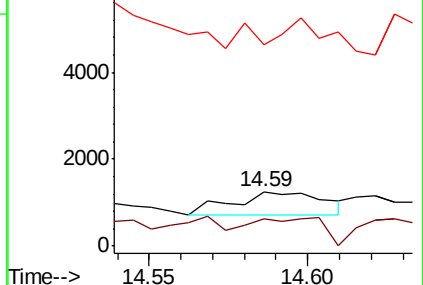
43 0.0 7.8 11.6#

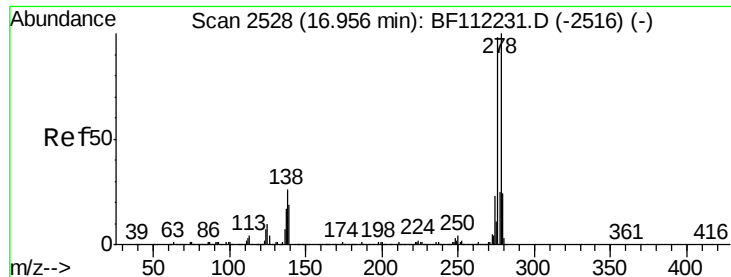


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

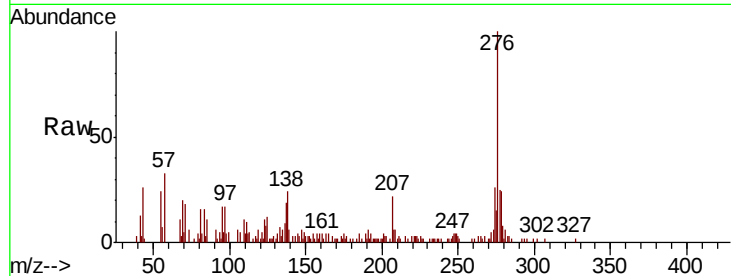




#86
Indeno(1,2,3-cd)pyrene
Concen: 5.314 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.04 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-HDL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.9	22.6	34.0
277	22.5	20.3	30.5

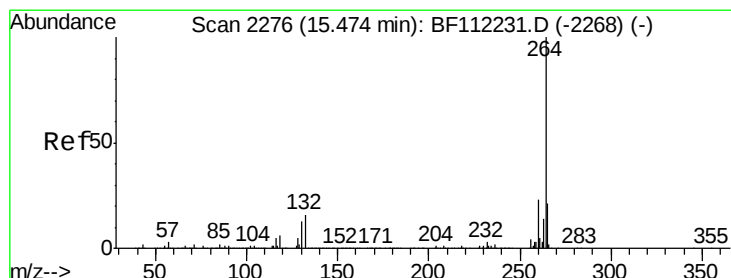
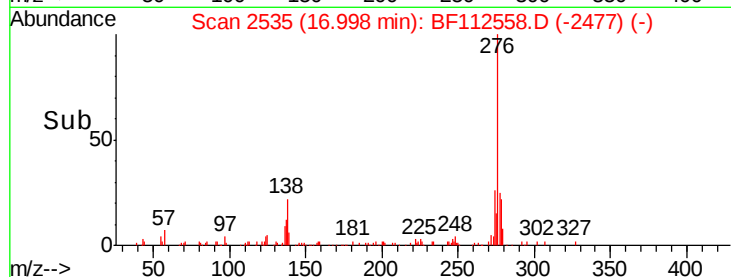
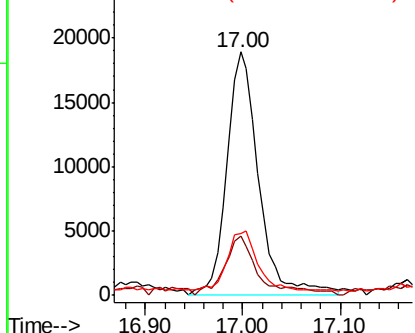


Abundance

Ion 276.00 (275.70 to 276.70): E

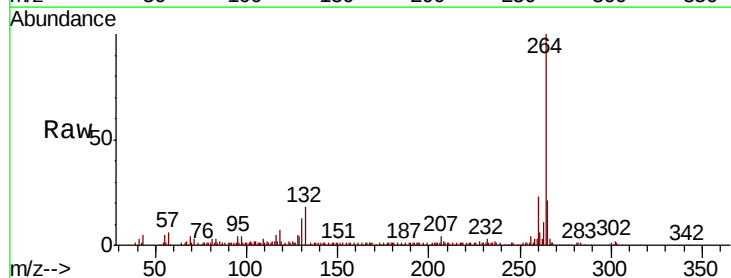
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.2
265	20.9	17.0	25.4

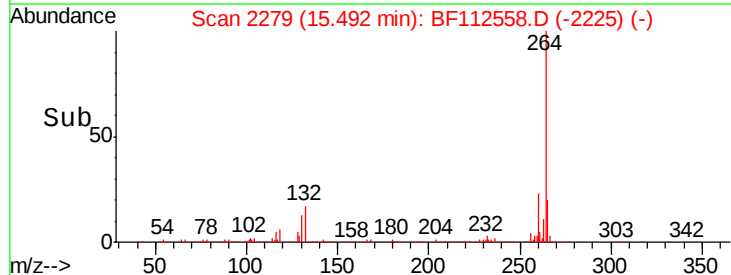
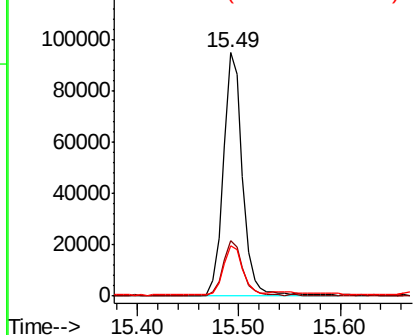


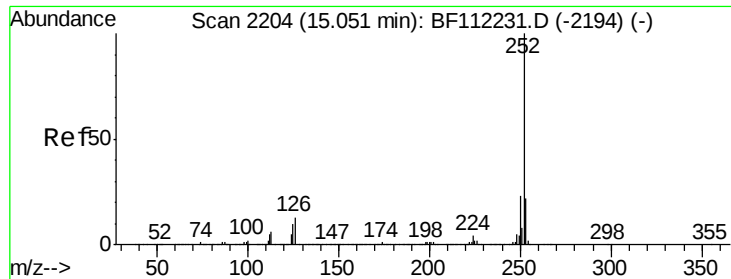
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

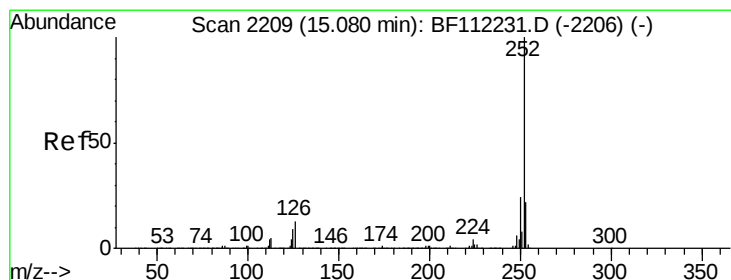
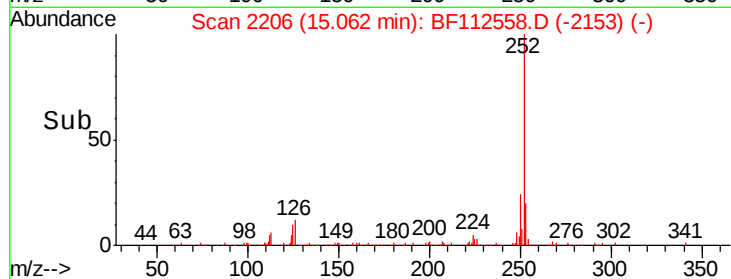
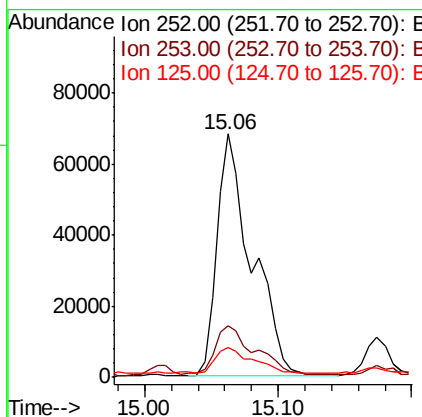
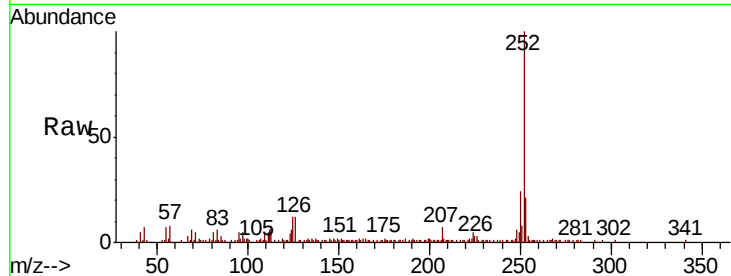




#88
Benzo(b)fluoranthene
Concen: 16.582 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

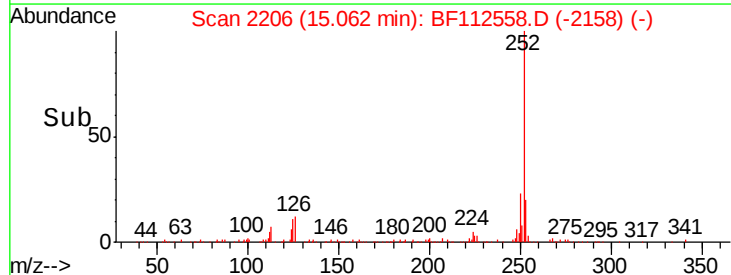
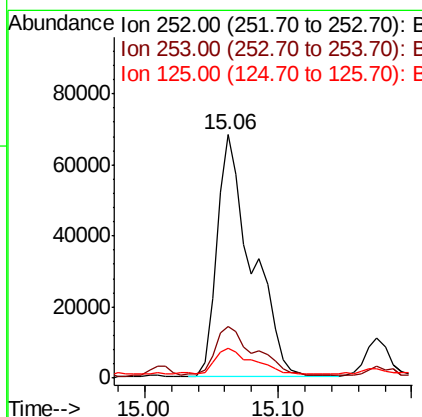
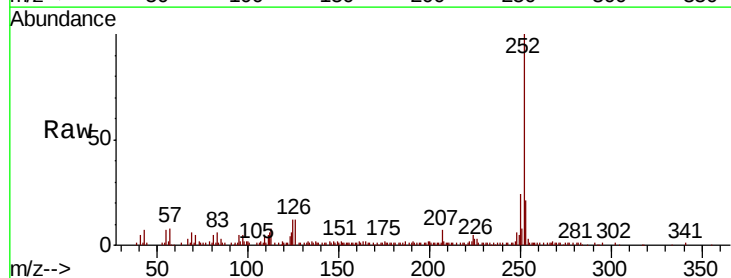
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-HDL

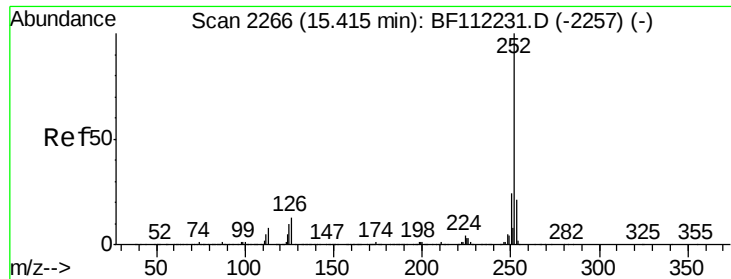
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.0	27.0
125	12.3	8.7	13.1



#89
Benzo(k)fluoranthene
Concen: 17.311 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.0	27.0
125	12.3	9.1	13.7





#90

Benzo(a)pyrene

Concen: 9.089 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.02 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-HDL

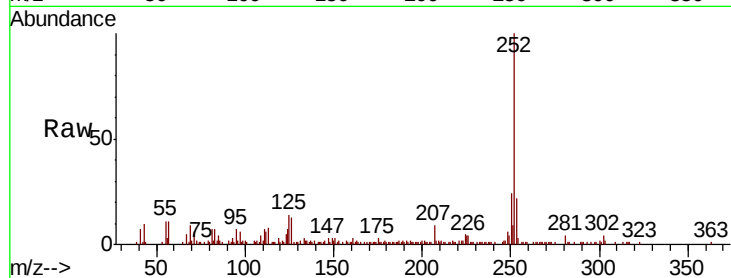
Tgt Ion:252 Resp: 61234

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

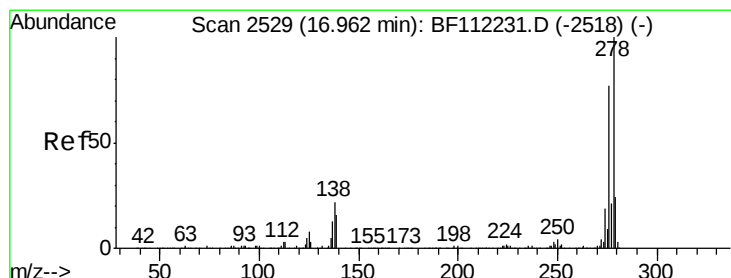
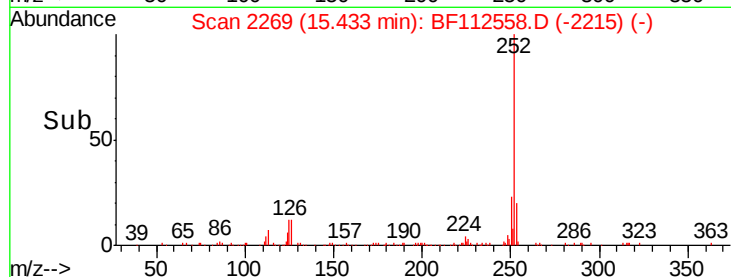
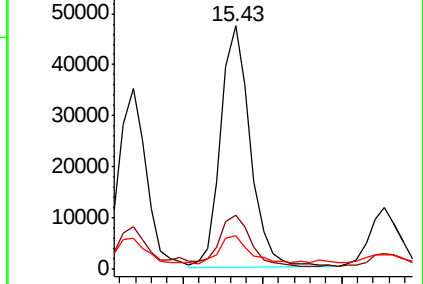
125 14.0 9.0 13.4#



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



#91

Dibenzo(a,h)anthracene

Concen: 1.664 ng

RT: 17.00 min Scan# 2535

Delta R.T. 0.04 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

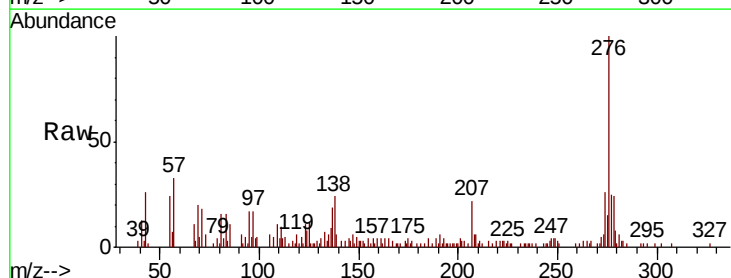
Tgt Ion:278 Resp: 9035

Ion Ratio Lower Upper

278 100

139 27.3 13.7 20.5#

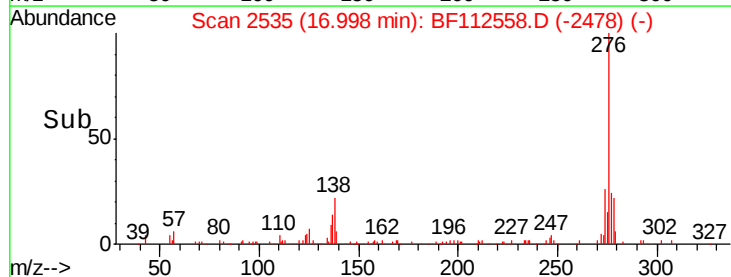
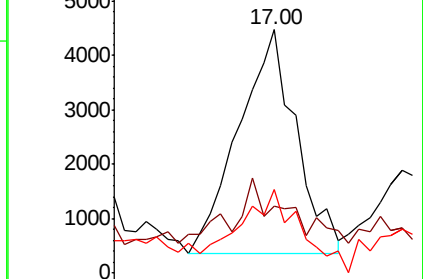
279 34.2 19.0 28.6#

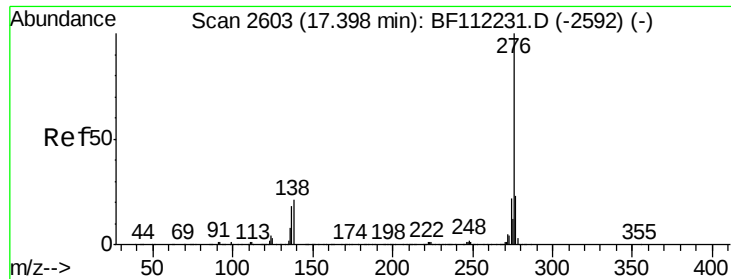


Abundance Ion 278.00 (277.70 to 278.70): E

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: 7.614 ng

RT: 17.46 min Scan# 2613

Delta R.T. 0.06 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-HDL

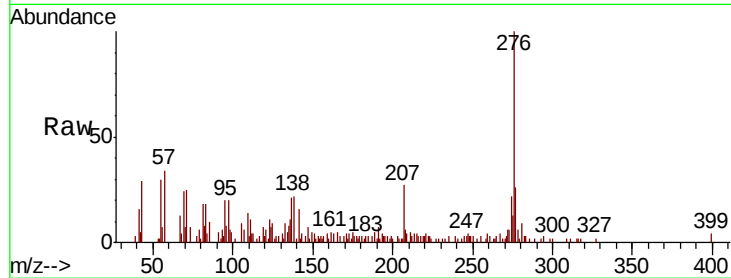
Tgt Ion: 276 Resp: 39003

Ion Ratio Lower Upper

276 100

277 25.9 19.4 29.0

138 22.0 19.1 28.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

