

Data File : BF118673.D
Acq On : 22 Jan 2020 20:16
Operator : CG/JU
Sample : L1213-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

Quant Time: Jan 23 06:43:00 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 20 14:45:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	366117	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1371093	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	725924	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	1164988	20.00	ng	-0.01
76) Chrysene-d12	14.04	240	842851	20.00	ng	0.00
87) Perylene-d12	15.51	264	1046359	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	2013338	102.13	ng	0.00
7) Phenol-d6	6.50	99	2529314	98.72	ng	0.00
23) Nitrobenzene-d5	7.43	82	1633814	66.65	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	743406	88.54	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	2830933	64.10	ng	0.00
79) Terphenyl-d14	12.99	244	2465554	63.80	ng	0.00

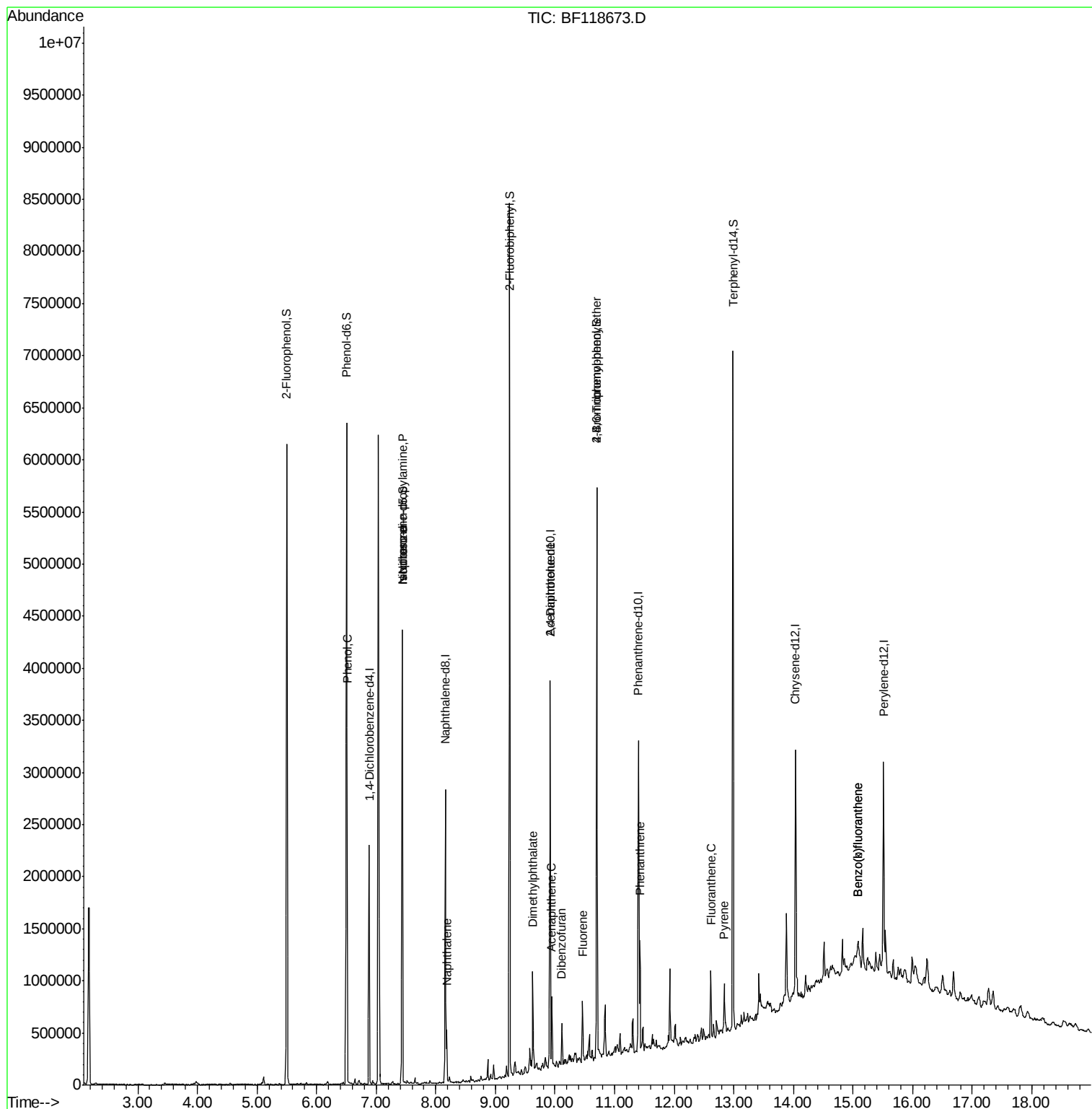
Target Compounds				Qvalue		
10) Phenol	6.52	94	185032	6.337	ng	94
19) n-Nitroso-di-n-propylamine	7.43	70	222578	12.866	ng	# 78
25) Isophorone	7.43	82	1631102	36.482	ng	# 64
31) Naphthalene	8.18	128	195567	3.158	ng	95
50) Dimethylphthalate	9.63	163	343923	7.272	ng	97
52) Acenaphthene	9.95	154	145432	3.666	ng	99
55) Dibenzofuran	10.12	168	126924	2.309	ng	95
57) 2,4-Dinitrotoluene	9.92	165	97935	7.335	ng	# 26
58) Fluorene	10.46	166	143470	3.324	ng	99
67) 4-Bromophenyl-phenylether	10.70	248	47646	3.310	ng	# 1
71) Phenanthrene	11.42	178	375053	6.673	ng	94
75) Fluoranthene	12.62	202	250395	4.224	ng	93
78) Pyrene	12.84	202	192474	3.364	ng	93
88) Benzo(b)fluoranthene	15.07	252	136025	2.068	ng	# 76
89) Benzo(k)fluoranthene	15.07	252	136025	2.232	ng	# 76

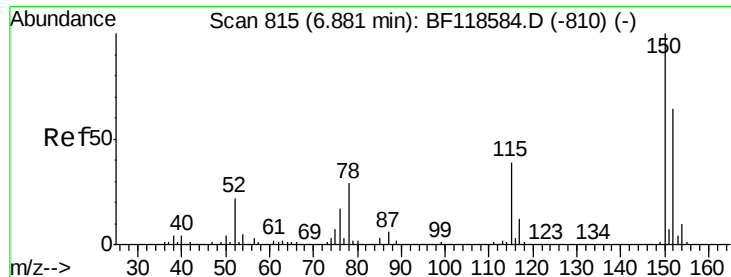
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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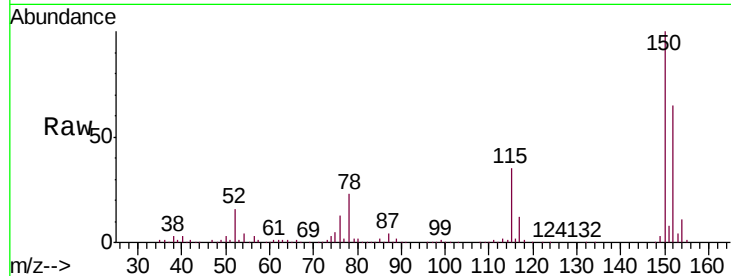


#1

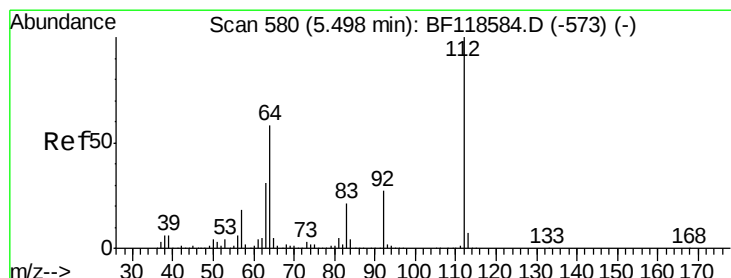
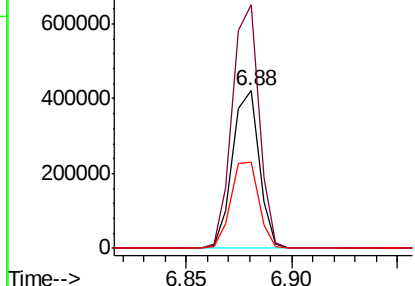
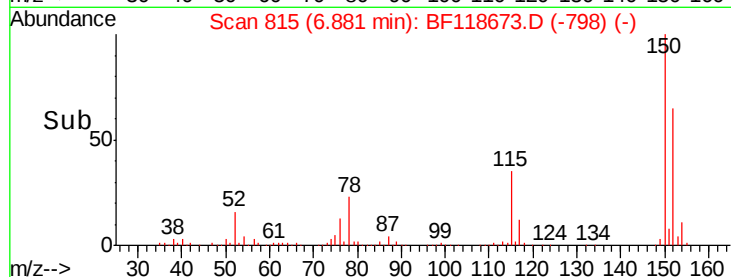
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF118673.D
Acq: 22 Jan 2020 20:16

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:152 Resp: 366117
Ion Ratio Lower Upper
152 100
150 154.7 125.6 188.4
115 54.9 48.4 72.6



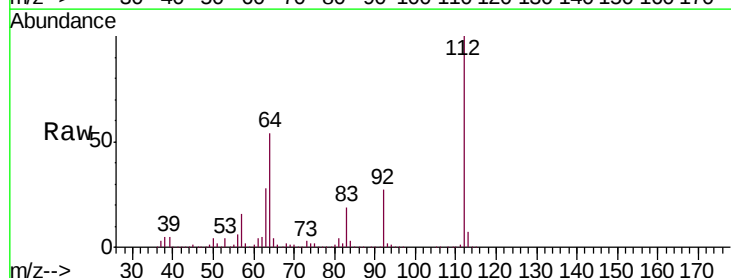
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



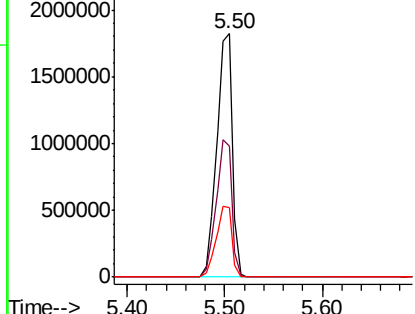
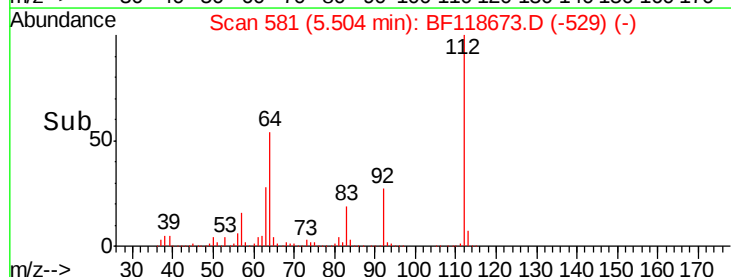
#5

2-Fluorophenol
Concen: 102.133 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF118673.D
Acq: 22 Jan 2020 20:16

Tgt Ion:112 Resp: 2013338
Ion Ratio Lower Upper
112 100
64 53.9 46.6 70.0
63 28.4 25.1 37.7



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: 98.718 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118673.D

Acq: 22 Jan 2020 20:16

Instrument :

BNA_F

ClientSampleId :

TP-1

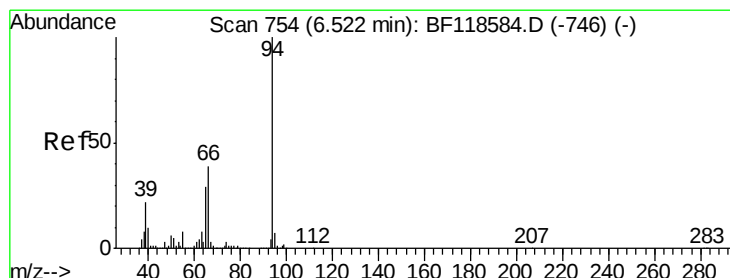
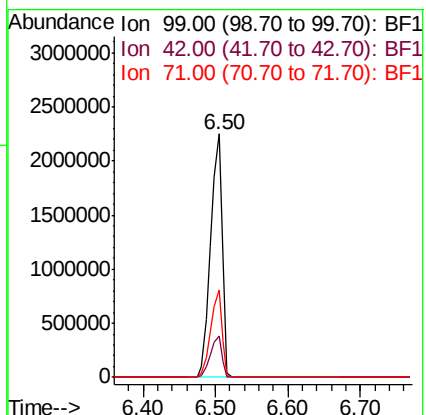
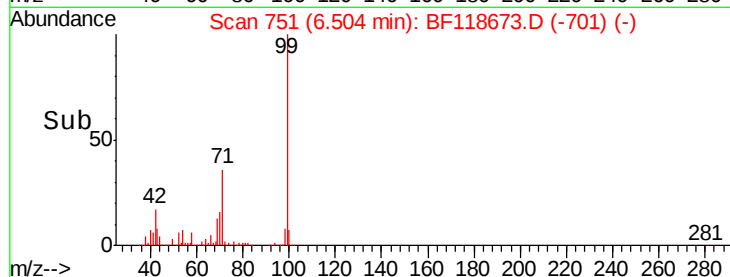
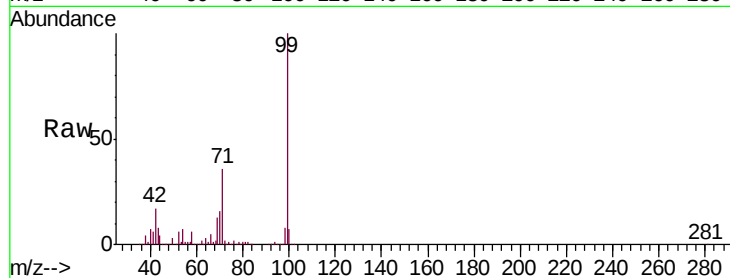
Tgt Ion: 99 Resp: 2529314

Ion Ratio Lower Upper

99 100

42 17.2 14.2 21.2

71 35.8 27.8 41.6



#10

Phenol

Concen: 6.337 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118673.D

Acq: 22 Jan 2020 20:16

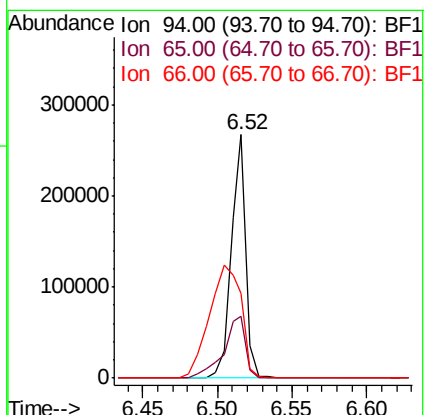
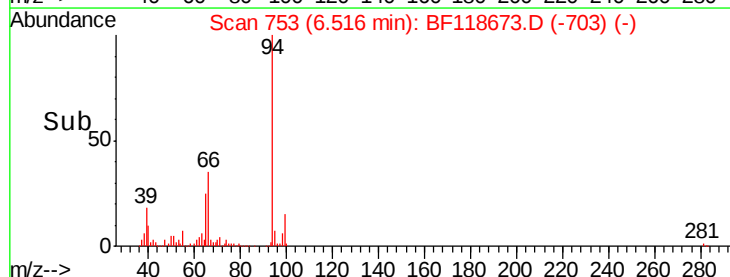
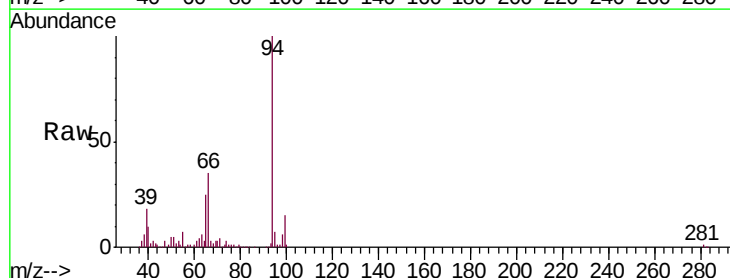
Tgt Ion: 94 Resp: 185032

Ion Ratio Lower Upper

94 100

65 25.4 9.5 49.5

66 35.1 18.5 58.5

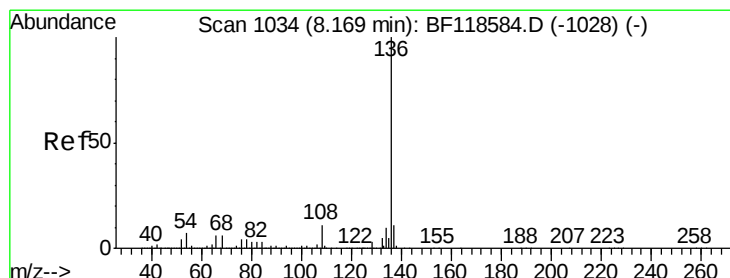
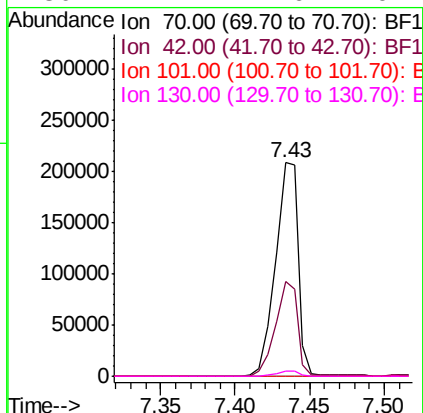
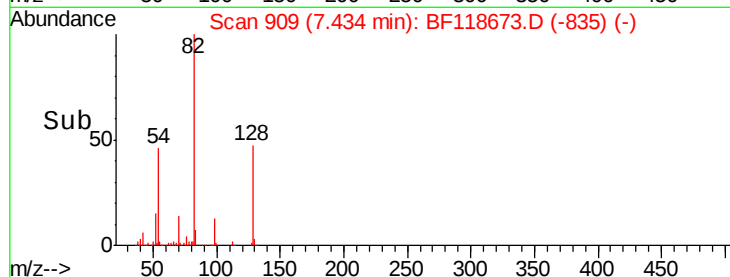
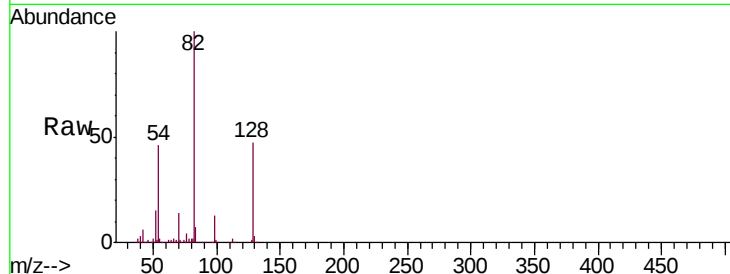




#19
n-Nitroso-di-n-propylamine
Concen: 12.866 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.14 min
Lab File: BF118673.D
Acq: 22 Jan 2020 20:16

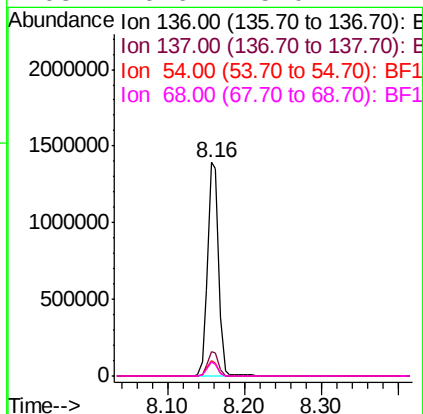
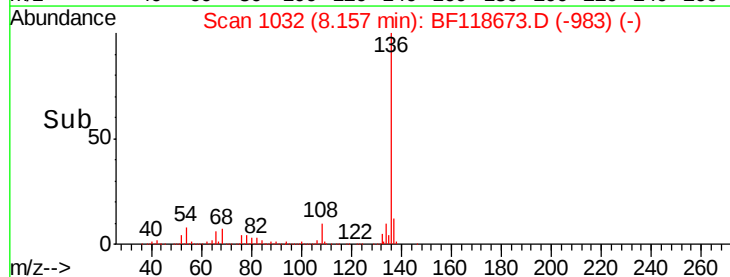
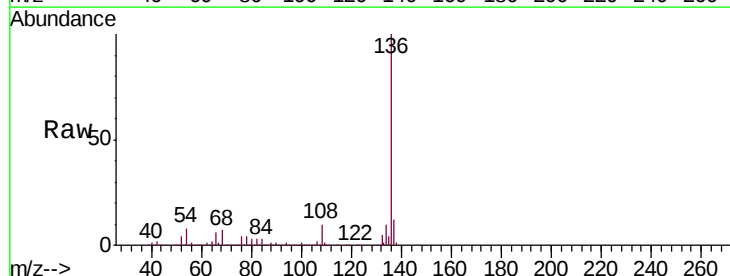
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 70 Resp: 222578
Ion Ratio Lower Upper
70 100
42 44.3 43.4 65.0
101 0.0 8.1 12.1#
130 2.2 17.6 26.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF118673.D
Acq: 22 Jan 2020 20:16

Tgt Ion: 136 Resp: 1371093
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 7.5 5.8 8.6
68 6.6 5.0 7.4

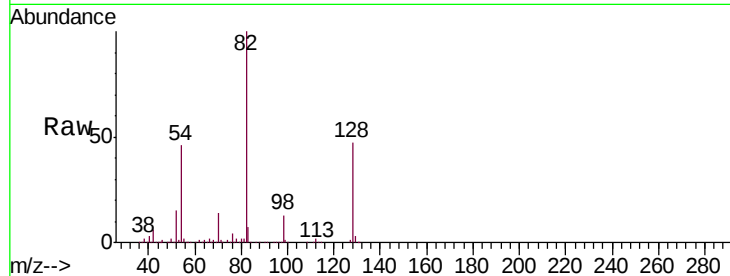




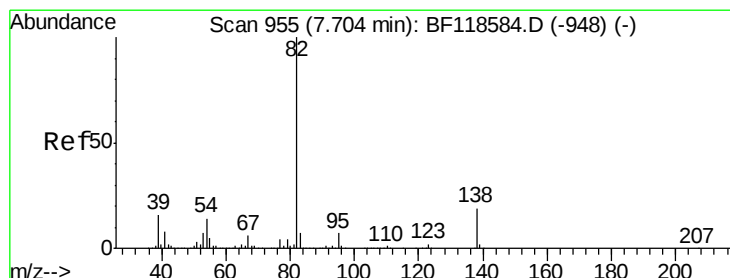
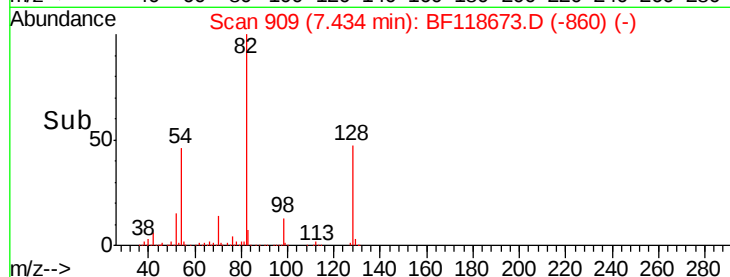
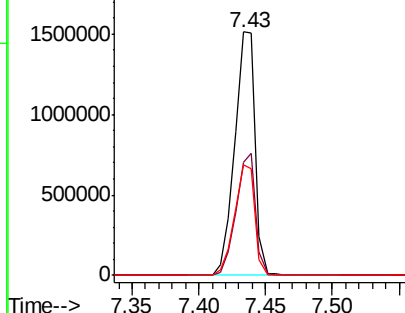
#23
Nitrobenzene-d5
Concen: 66.652 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118673.D
Acq: 22 Jan 2020 20:16

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 82 Resp: 1633814
Ion Ratio Lower Upper
82 100
128 46.7 36.6 54.8
54 45.6 38.0 57.0

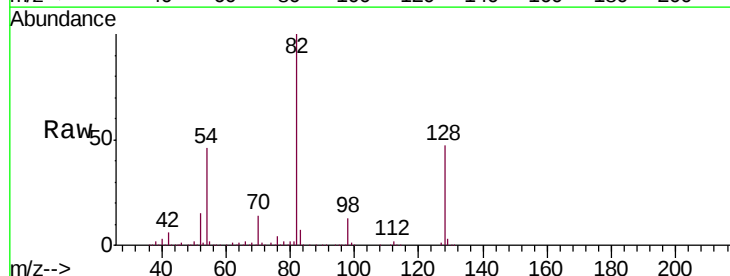


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

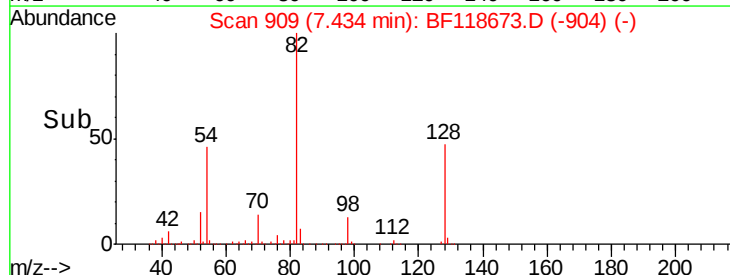
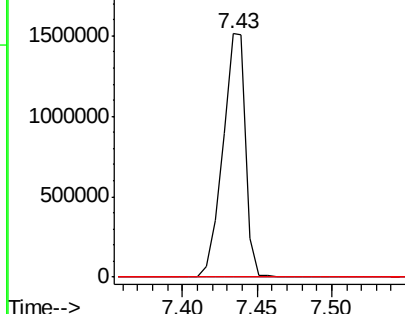


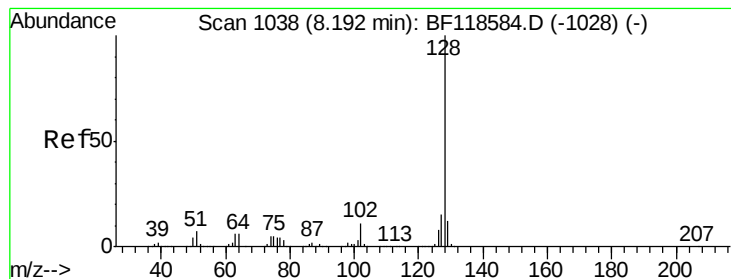
#25
Isophorone
Concen: 36.482 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.27 min
Lab File: BF118673.D
Acq: 22 Jan 2020 20:16

Tgt Ion: 82 Resp: 1631102
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 3.158 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF118673.D

Acq: 22 Jan 2020 20:16

Instrument :

BNA_F

ClientSampleId :

TP-1

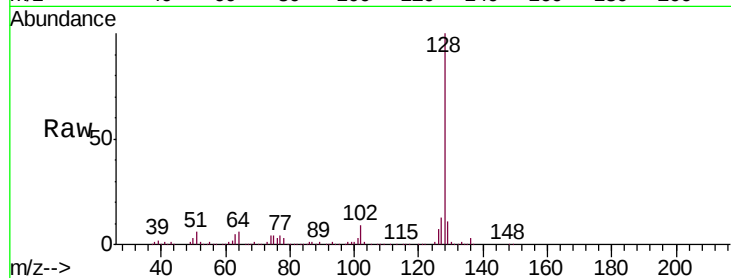
Tgt Ion:128 Resp: 195567

Ion Ratio Lower Upper

128 100

129 10.9 9.9 14.9

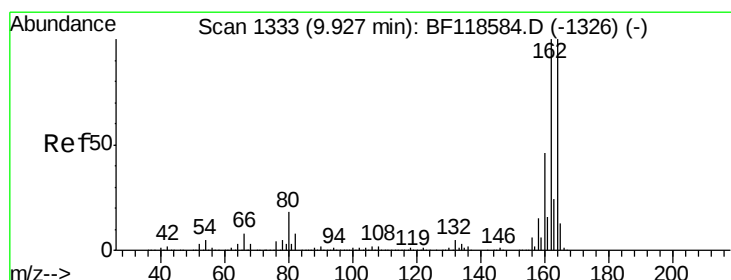
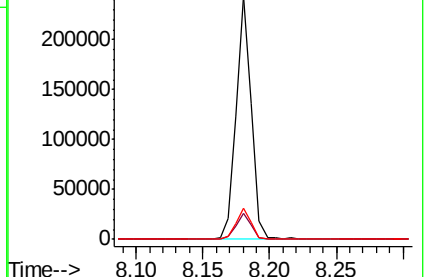
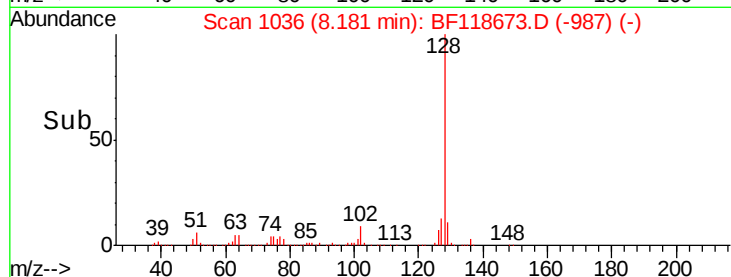
127 12.8 12.0 18.0



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF118673.D

Acq: 22 Jan 2020 20:16

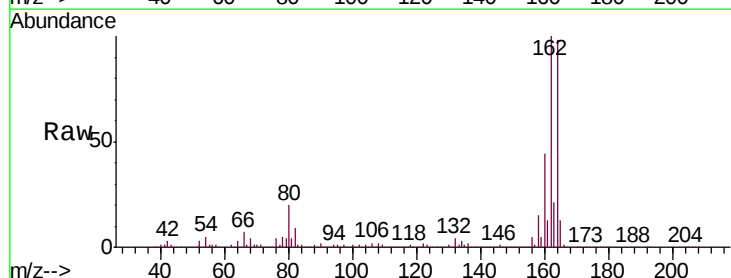
Tgt Ion:164 Resp: 725924

Ion Ratio Lower Upper

164 100

162 101.8 80.4 120.6

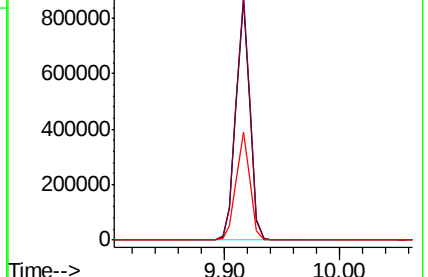
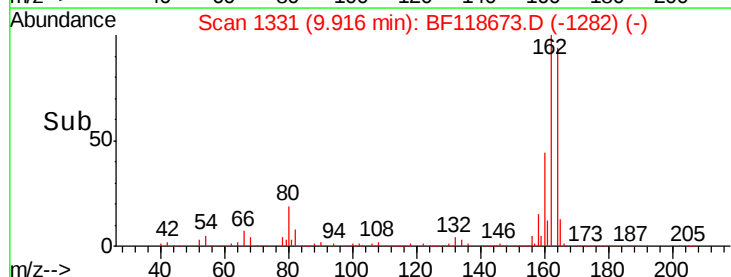
160 44.9 36.6 55.0

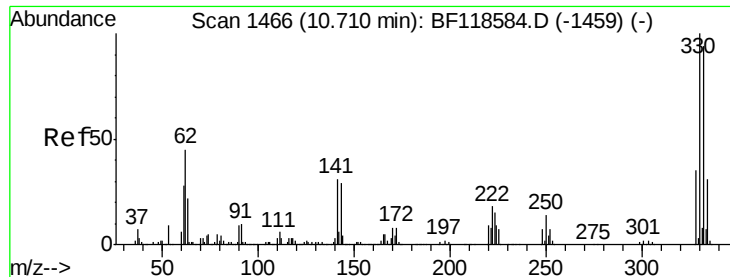


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

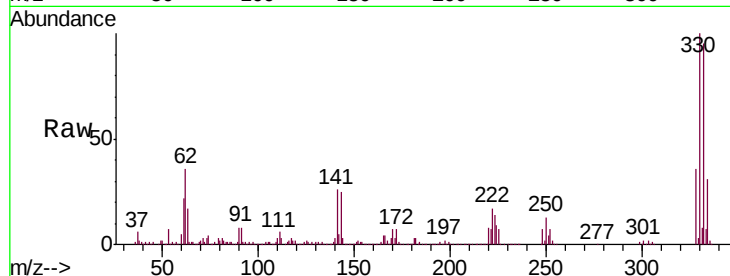




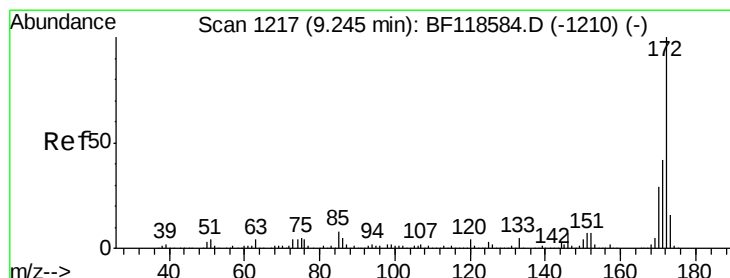
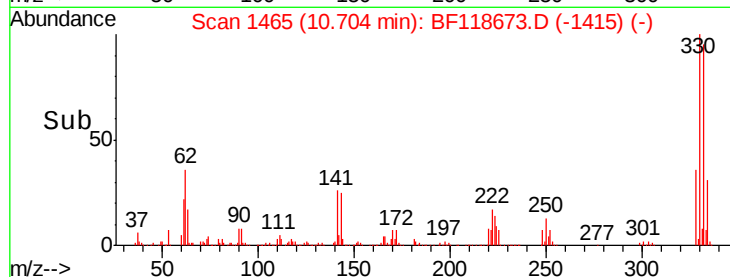
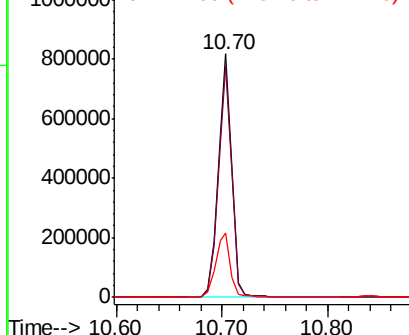
#42
 2,4,6-Tribromophenol
 Concen: 88.540 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118673.D
 Acq: 22 Jan 2020 20:16

Instrument :
 BNA_F
 ClientSampled :
 TP-1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.2	114.4
141	28.0	23.9	35.9

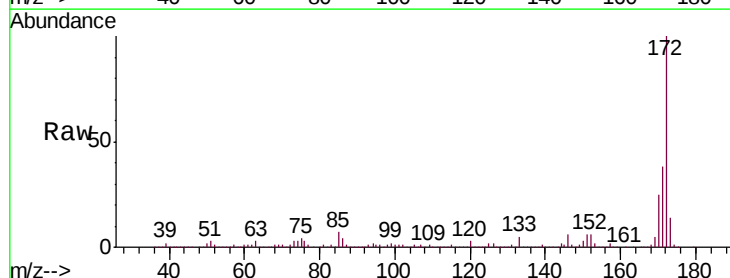


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

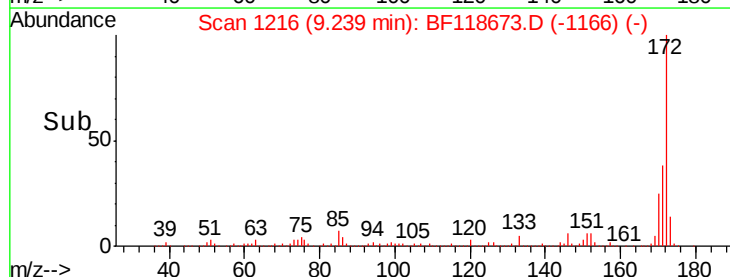
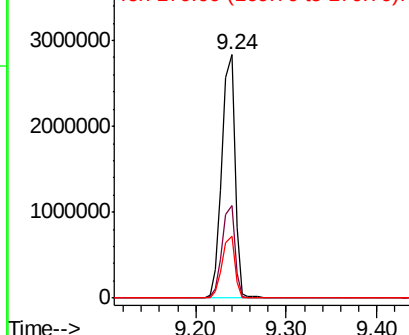


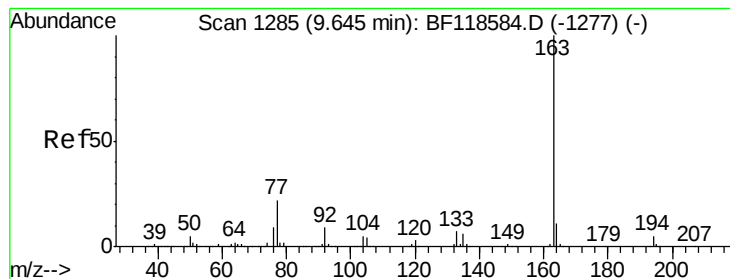
#45
 2-Fluorobiphenyl
 Concen: 64.097 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF118673.D
 Acq: 22 Jan 2020 20:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	33.4	50.2
170	25.4	23.2	34.8



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





#50

Dimethylphthalate

Concen: 7.272 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF118673.D

Acq: 22 Jan 2020 20:16

Instrument :

BNA_F

ClientSampled :

TP-1

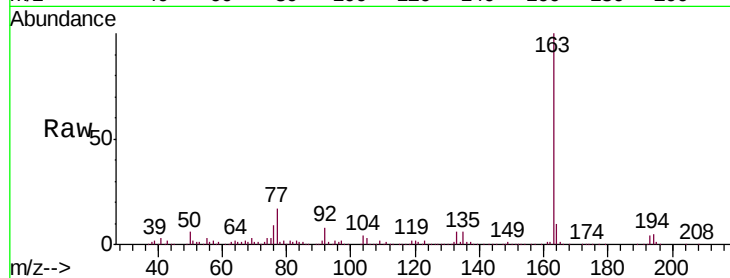
Tgt Ion:163 Resp: 343923

Ion Ratio Lower Upper

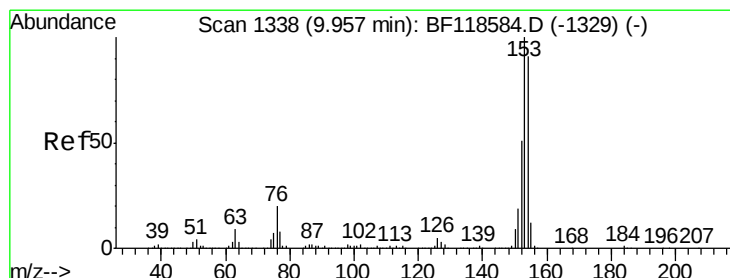
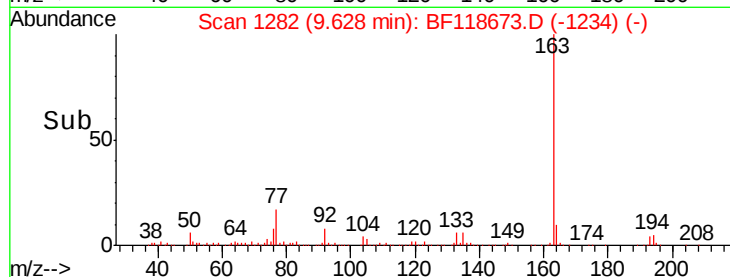
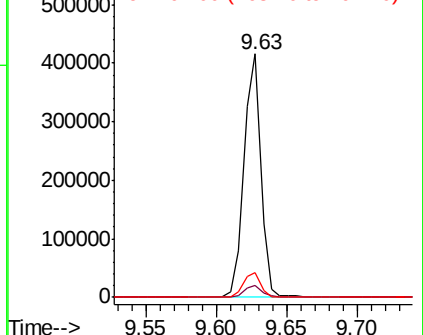
163 100

194 5.1 3.9 5.9

164 10.0 9.1 13.7



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



#52

Acenaphthene

Concen: 3.666 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF118673.D

Acq: 22 Jan 2020 20:16

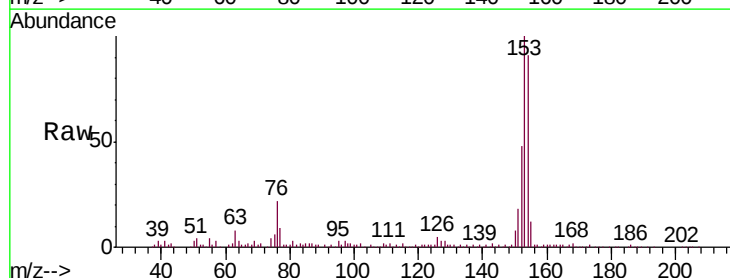
Tgt Ion:154 Resp: 145432

Ion Ratio Lower Upper

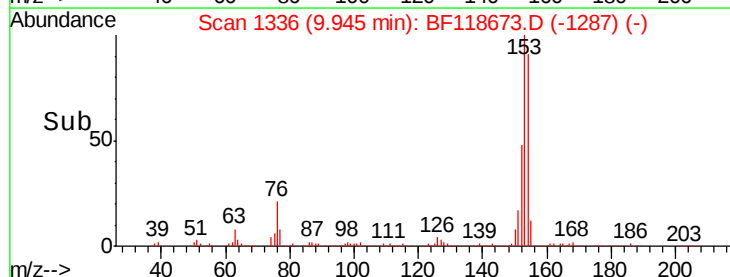
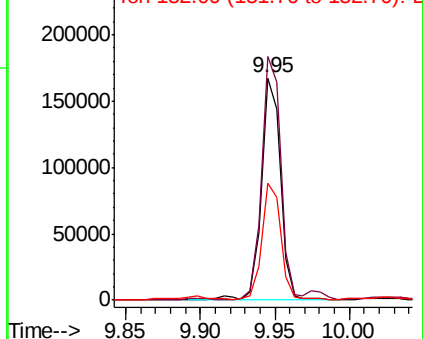
154 100

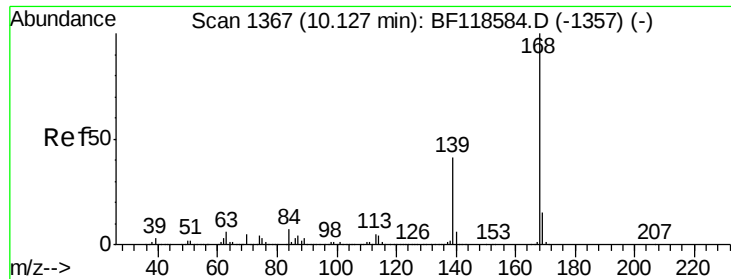
153 109.5 87.6 131.4

152 52.6 44.4 66.6



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

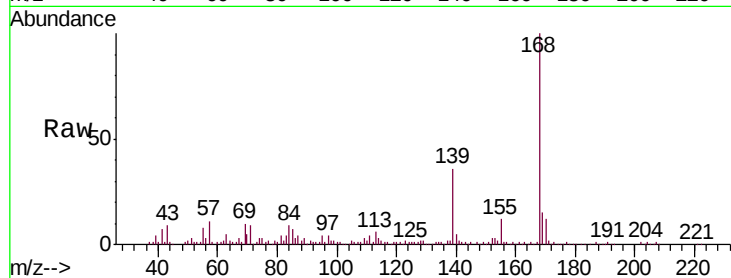




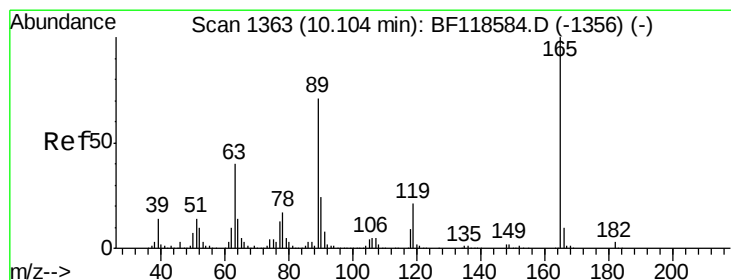
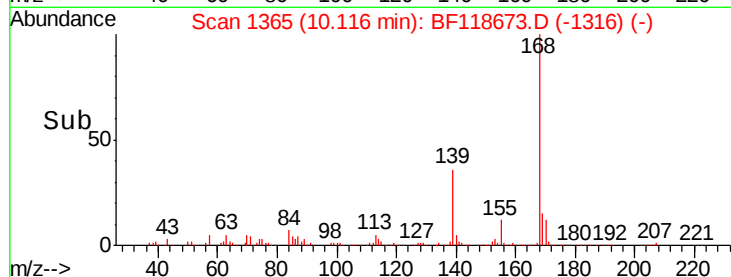
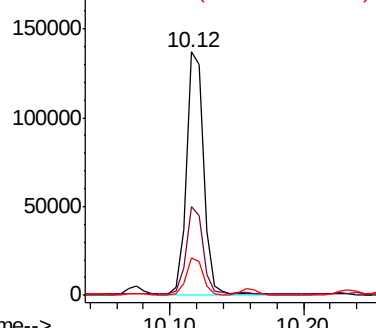
#55
Dibenzofuran
Concen: 2.309 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF118673.D
Acq: 22 Jan 2020 20:16

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:168 Resp: 126924
Ion Ratio Lower Upper
168 100
139 36.3 32.7 49.1
169 15.3 12.2 18.2

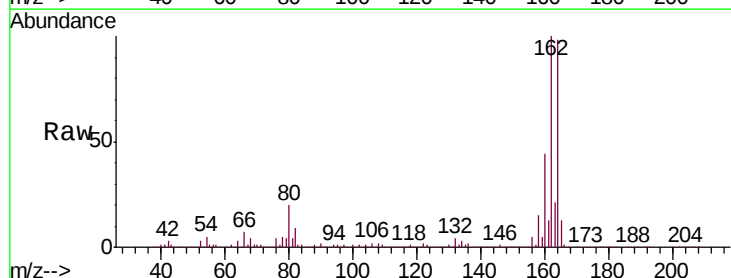


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

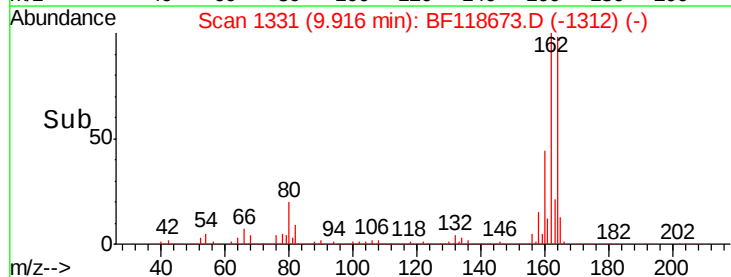
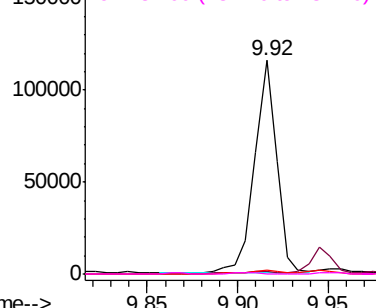


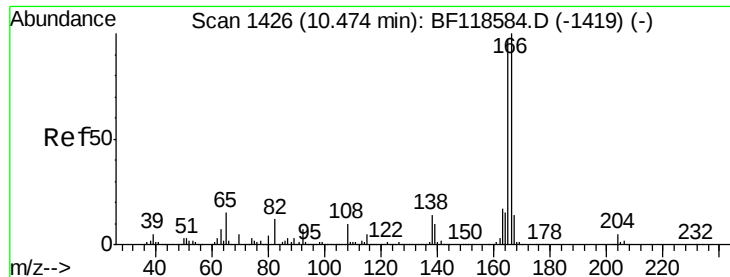
#57
2,4-Dinitrotoluene
Concen: 7.335 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF118673.D
Acq: 22 Jan 2020 20:16

Tgt Ion:165 Resp: 97935
Ion Ratio Lower Upper
165 100
63 1.3 32.4 48.6#
89 1.6 56.4 84.6#
182 0.3 2.3 3.5#



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

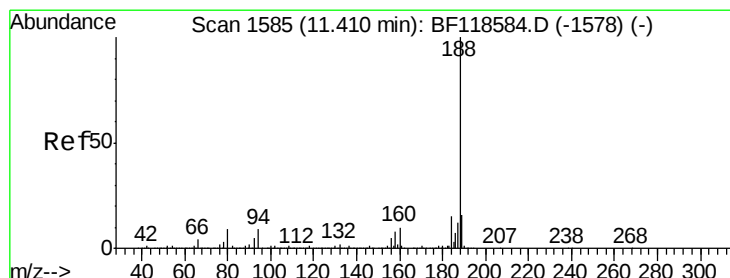
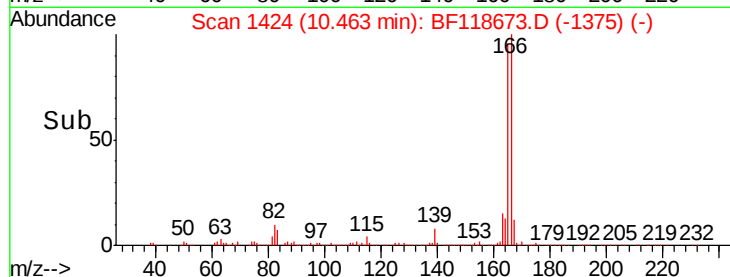
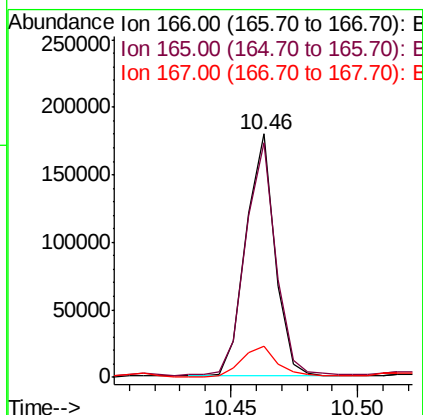
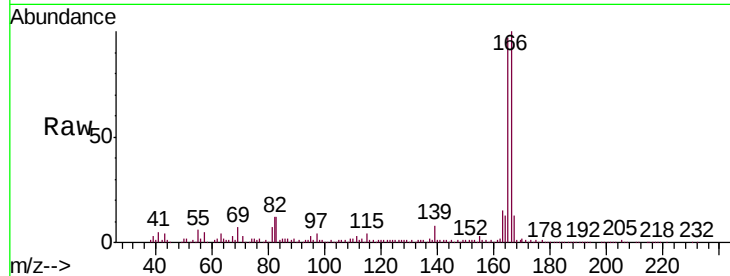




#58
 Fluorene
 Concen: 3.324 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF118673.D
 Acq: 22 Jan 2020 20:16

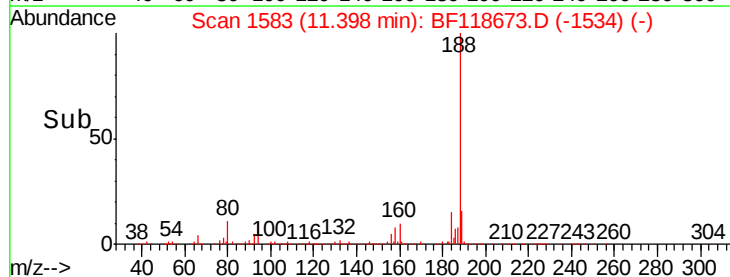
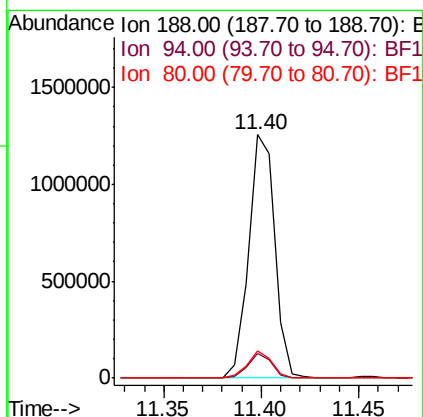
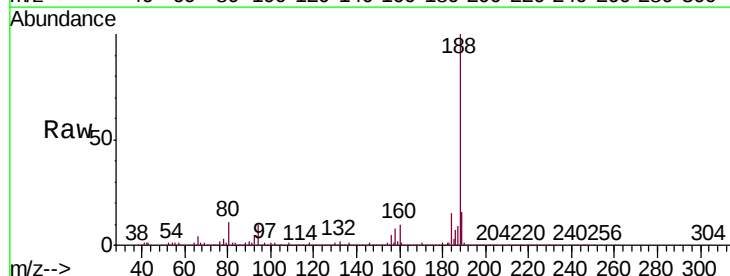
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

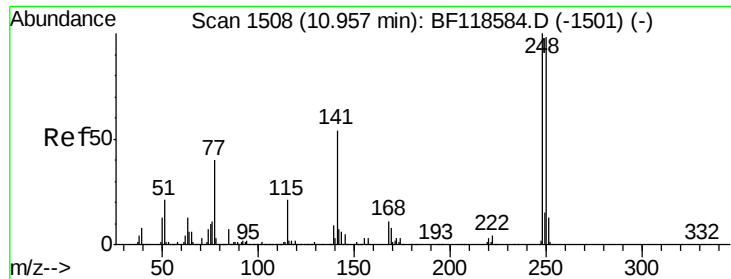
Tgt Ion:166 Resp: 143470
 Ion Ratio Lower Upper
 166 100
 165 96.6 77.3 115.9
 167 12.8 11.5 17.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF118673.D
 Acq: 22 Jan 2020 20:16

Tgt Ion:188 Resp: 1164988
 Ion Ratio Lower Upper
 188 100
 94 10.2 7.1 10.7
 80 11.2 7.5 11.3

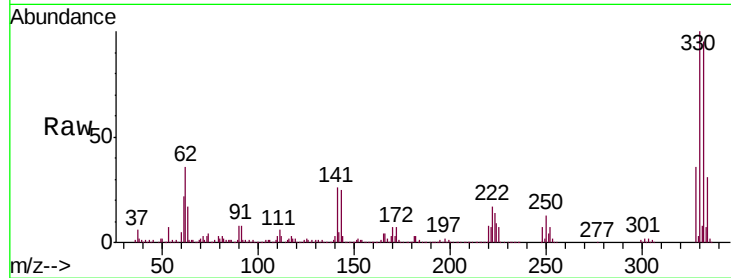




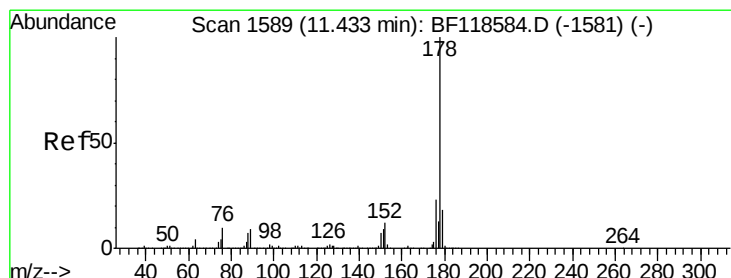
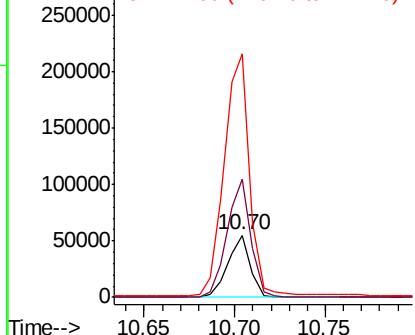
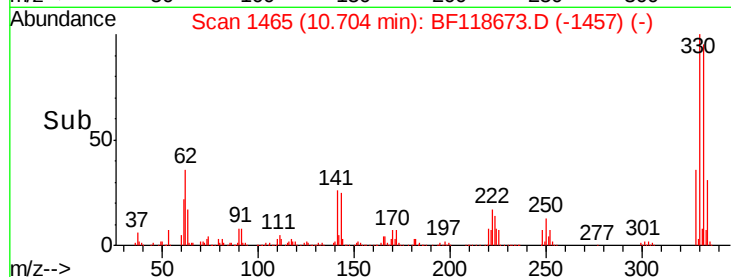
#67
 4-Bromophenyl-phenylether
 Concen: 3.310 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF118673.D
 Acq: 22 Jan 2020 20:16

Instrument :
 BNA_F
 ClientSampled :
 TP-1

Tgt Ion:248 Resp: 47646
 Ion Ratio Lower Upper
 248 100
 250 191.0 78.7 118.1#
 141 393.2 43.2 64.8#

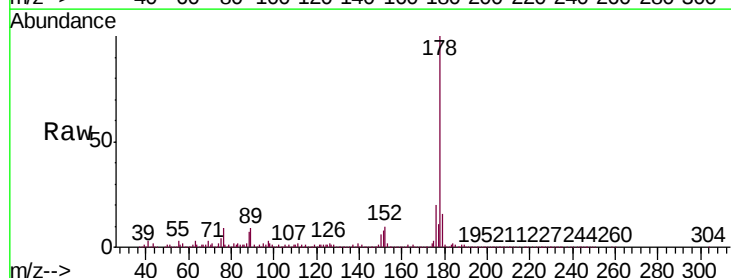


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

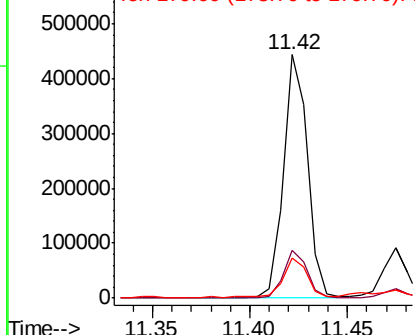
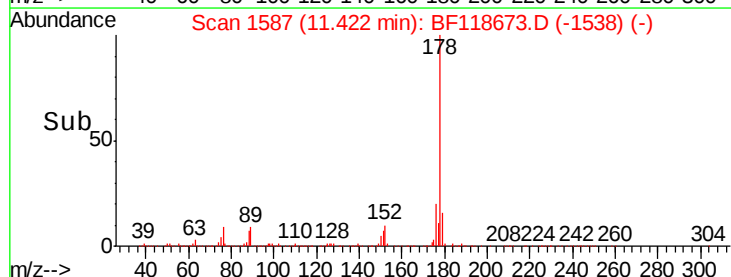


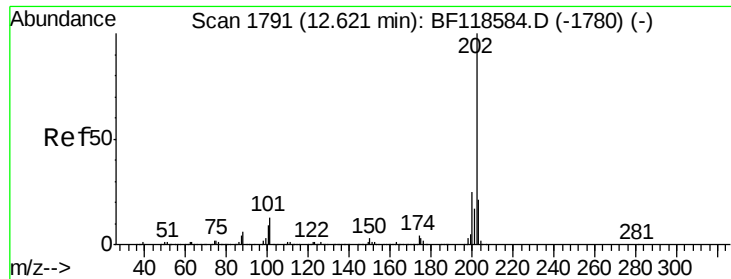
#71
 Phenanthrene
 Concen: 6.673 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF118673.D
 Acq: 22 Jan 2020 20:16

Tgt Ion:178 Resp: 375053
 Ion Ratio Lower Upper
 178 100
 176 19.6 18.6 27.8
 179 16.5 14.7 22.1



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





#75

Fluoranthene

Concen: 4.224 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF118673.D

Acq: 22 Jan 2020 20:16

Instrument :

BNA_F

ClientSampleId :

TP-1

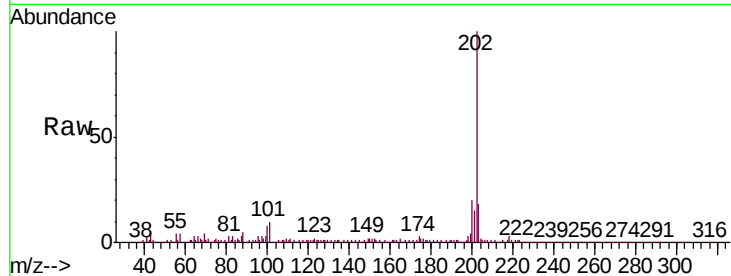
Tgt Ion: 202 Resp: 250395

Ion Ratio Lower Upper

202 100

101 9.9 0.0 32.5

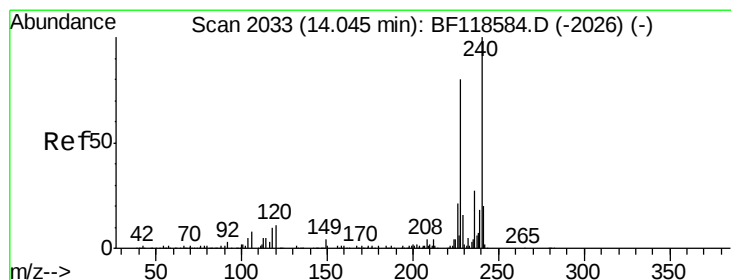
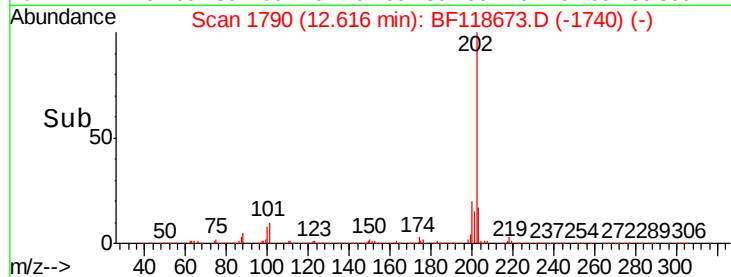
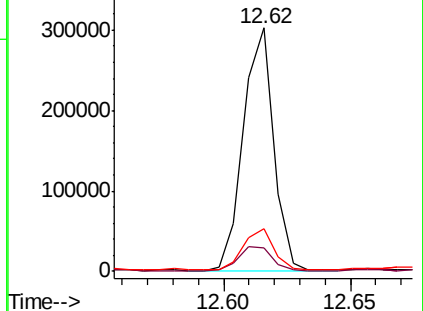
203 17.6 0.8 40.8



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: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF118673.D

Acq: 22 Jan 2020 20:16

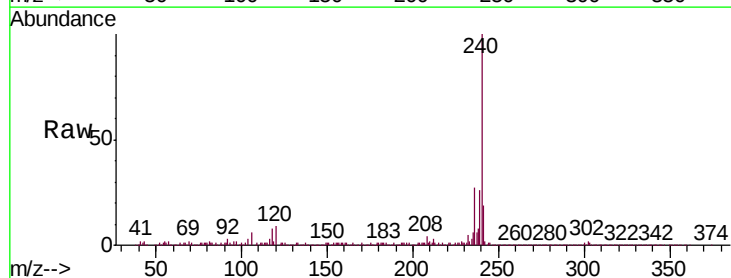
Tgt Ion: 240 Resp: 842851

Ion Ratio Lower Upper

240 100

120 9.5 8.9 13.3

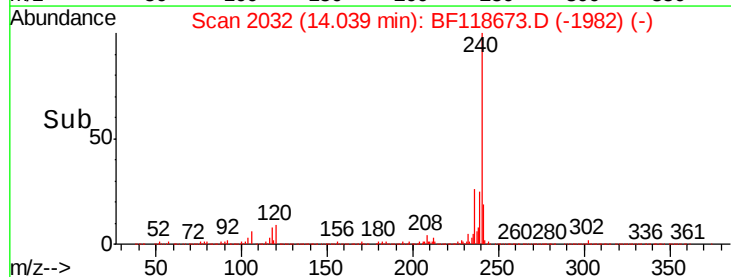
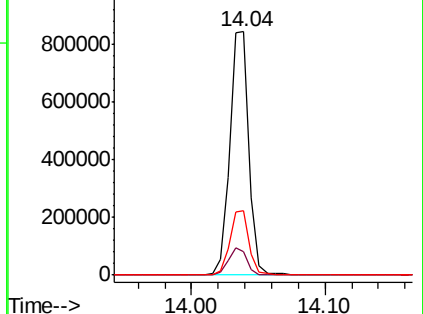
236 26.6 21.5 32.3

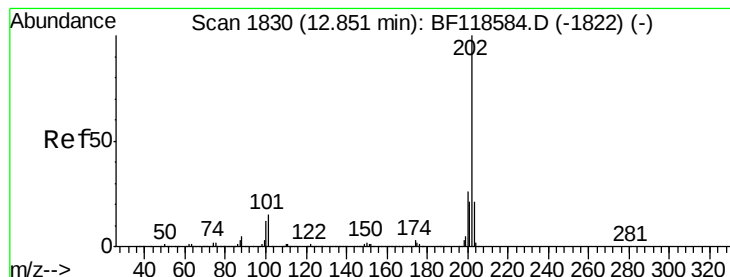


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 3.364 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF118673.D

Acq: 22 Jan 2020 20:16

Instrument :

BNA_F

ClientSampleId :

TP-1

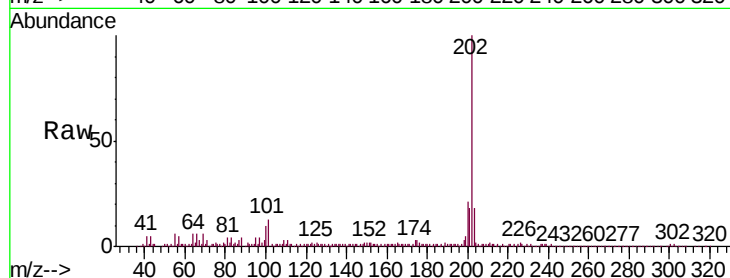
Tgt Ion: 202 Resp: 192474

Ion Ratio Lower Upper

202 100

200 21.2 20.6 31.0

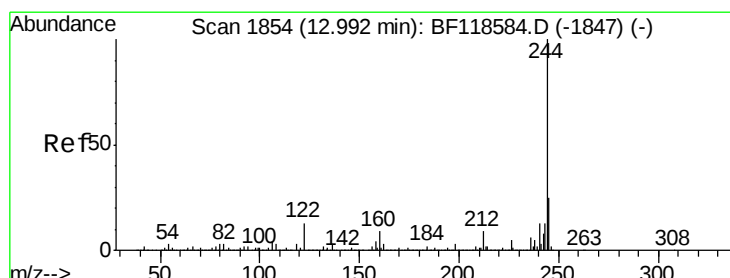
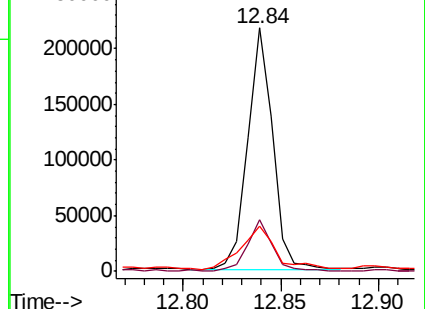
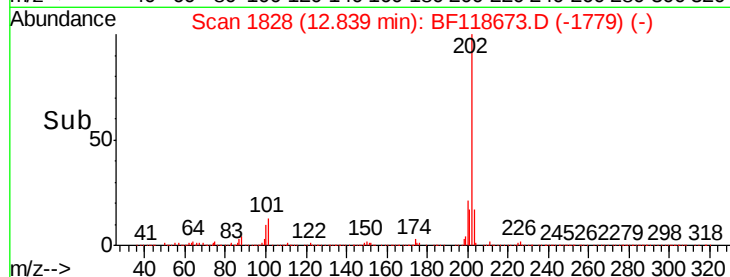
203 18.4 16.8 25.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 63.803 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF118673.D

Acq: 22 Jan 2020 20:16

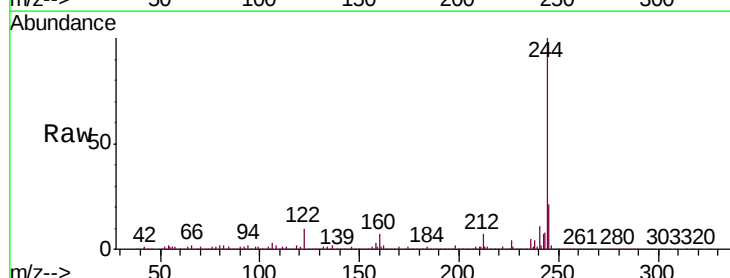
Tgt Ion: 244 Resp: 2465554

Ion Ratio Lower Upper

244 100

212 7.0 7.0 10.4

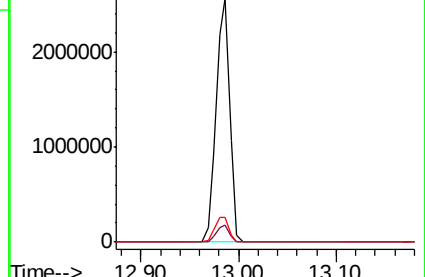
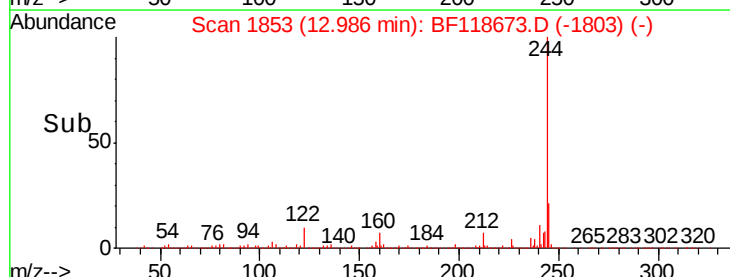
122 10.3 10.7 16.1#

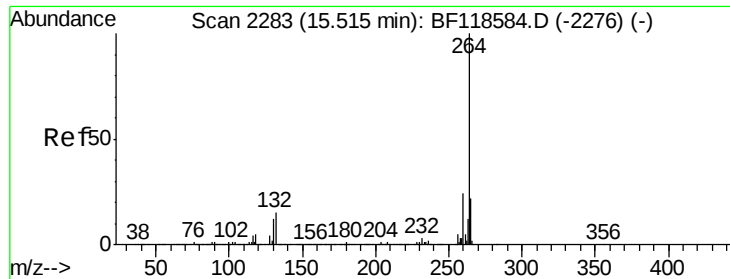


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

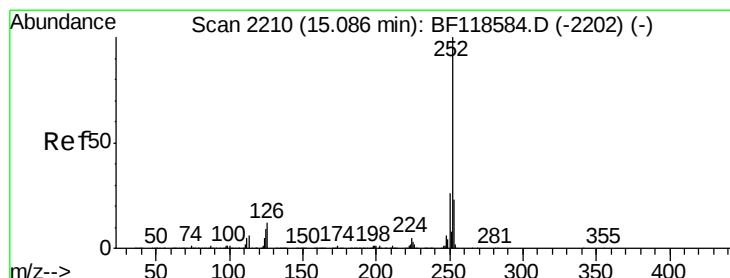
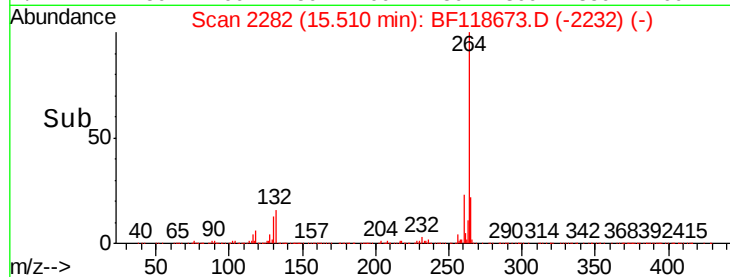
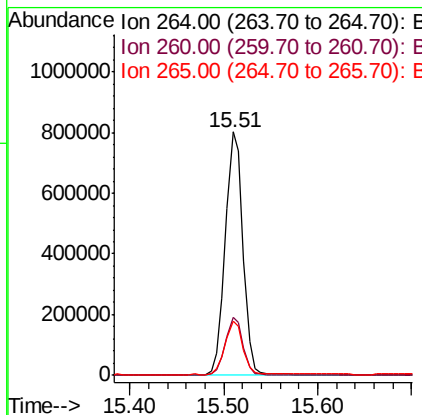
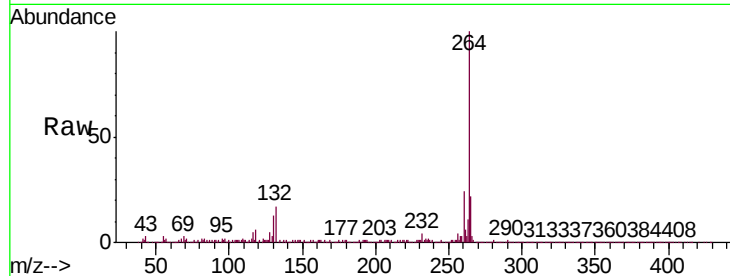




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF118673.D
Acq: 22 Jan 2020 20:16

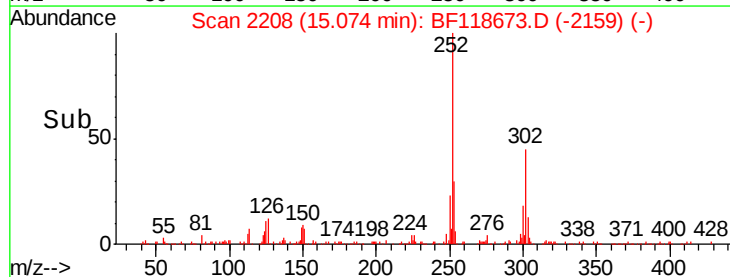
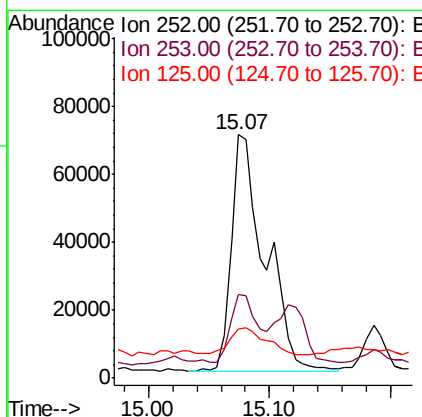
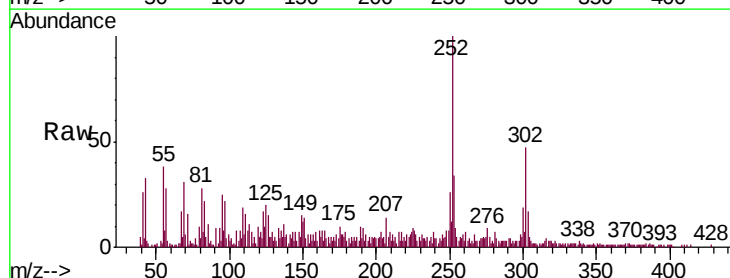
Instrument :
BNA_F
ClientSampled :
TP-1

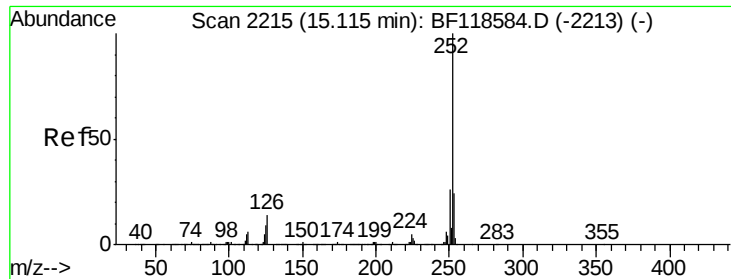
Tgt Ion:264 Resp: 1046359
Ion Ratio Lower Upper
264 100
260 23.7 19.6 29.4
265 22.3 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 2.068 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF118673.D
Acq: 22 Jan 2020 20:16

Tgt Ion:252 Resp: 136025
Ion Ratio Lower Upper
252 100
253 34.2 18.7 28.1#
125 20.3 7.3 10.9#





#89

Benzo(k)fluoranthene

Concen: 2.232 ng

RT: 15.07 min Scan# 2208

Delta R.T. -0.04 min

Lab File: BF118673.D

Acq: 22 Jan 2020 20:16

Instrument :

BNA_F

ClientSampleId :

TP-1

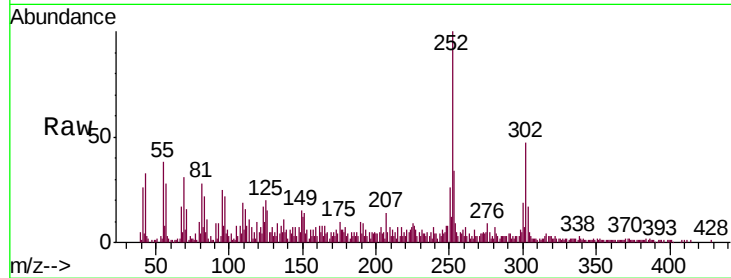
Tgt Ion:252 Resp: 136025

Ion Ratio Lower Upper

252 100

253 34.2 19.0 28.4#

125 20.3 7.6 11.4#



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

