

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF013019\
 Data File : BF112325.D
 Acq On : 30 Jan 2019 16:51
 Operator : JU/SJ
 Sample : K1282-17
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Jan 30 23:43:29 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	6.84	152	179365	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	670907	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	296847	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	488314	20.00	ng	0.00
76) Chrysene-d12	14.00	240	368289	20.00	ng	0.00
87) Perylene-d12	15.47	264	372620	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	966583	114.46	ng	0.00
7) Phenol-d6	6.49	99	1185610	101.04	ng	0.00
23) Nitrobenzene-d5	7.40	82	737375	63.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	281156	81.37	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1203581	57.34	ng	-0.01
79) Terphenyl-d14	12.94	244	842845	43.10	ng	-0.01

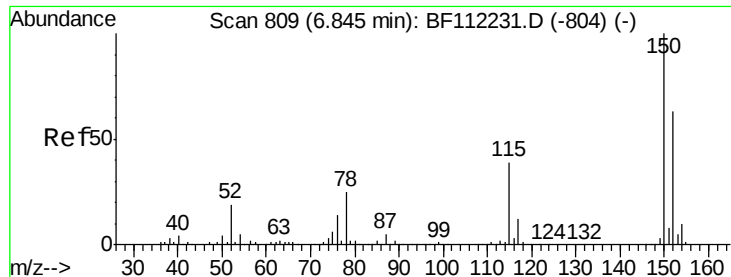
Target Compounds

						Qvalue
10) Phenol	6.50	94	84828	6.589	ng	78
19) n-Nitroso-di-n-propylamine	7.40	70	100759	12.453	ng	# 75
25) Isophorone	7.40	82	729763	39.951	ng	# 64
31) Naphthalene	8.14	128	147712	4.708	ng	99
37) 2-Methylnaphthalene	8.83	142	89354	4.160	ng	99
38) 1-Methylnaphthalene	8.93	142	69965	3.399	ng	98
50) Dimethylphthalate	9.59	163	106280	4.608	ng	98
52) Acenaphthene	9.90	154	201110	11.413	ng	97
55) Dibenzofuran	10.08	168	190815	7.086	ng	99
56) 4-Nitrophenol	10.08	139	73072	24.699	ng	# 13
58) Fluorene	10.42	166	233229	11.575	ng	97
67) 4-Bromophenyl-phenylether	10.66	248	16709	2.909	ng	# 1
71) Phenanthrene	11.39	178	1819598	71.675	ng	99
72) Anthracene	11.44	178	403371	15.951	ng	98
73) Carbazole	11.59	167	109963	4.408	ng	100
75) Fluoranthene	12.58	202	1670688	61.357	ng	99
78) Pyrene	12.81	202	1487329	58.331	ng	100
81) Benzo(a)anthracene	13.99	228	685956	31.684	ng	100
83) Chrysene	14.03	228	594256	28.755	ng	97
86) Indeno(1,2,3-cd)pyrene	16.94	276	247968	15.143	ng	# 92
88) Benzo(b)fluoranthene	15.04	252	951150	42.682	ng	99
89) Benzo(k)fluoranthene	15.04	252	951150	44.560	ng	99
90) Benzo(a)pyrene	15.41	252	544760	27.168	ng	98
91) Dibenzo(a,h)anthracene	16.94	278	64577	3.996	ng	# 85
92) Benzo(g,h,i)perylene	17.39	276	237930	15.606	ng	99

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

```
Data Path : Z:\SV0ASRV\HPCHEM1\BNA_F\DATA\BF013019\  
Data File : BF112325.D  
Acq On    : 30 Jan 2019   16:51  
Operator  : JU/SJ  
Sample    : K1282-17  
Misc      :  
ALS Vial  : 7      Sample Multiplier: 1
```

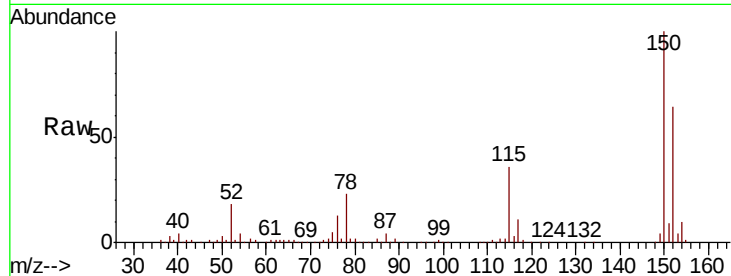
Quant Time: Jan 30 23:43:29 2019
Quant Method : Z:\SV0ASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration



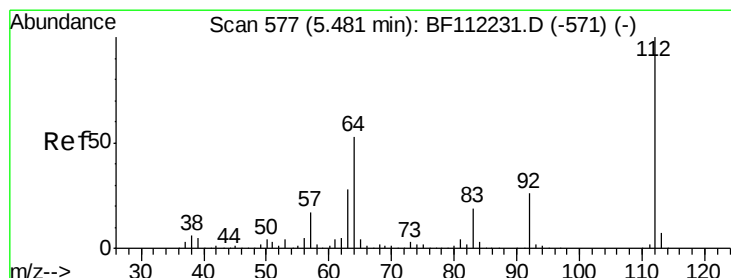
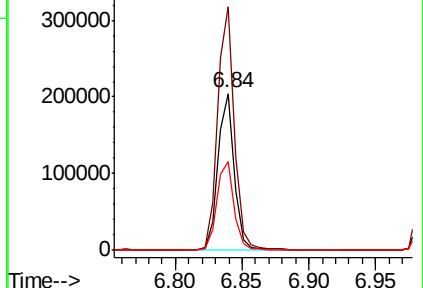
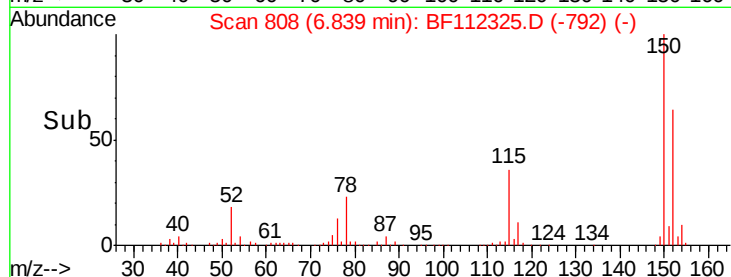
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF112325.D
 Acq: 30 Jan 2019 16:51

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tgt Ion:152 Resp: 179365
 Ion Ratio Lower Upper
 152 100
 150 155.1 127.4 191.0
 115 56.5 45.5 68.3

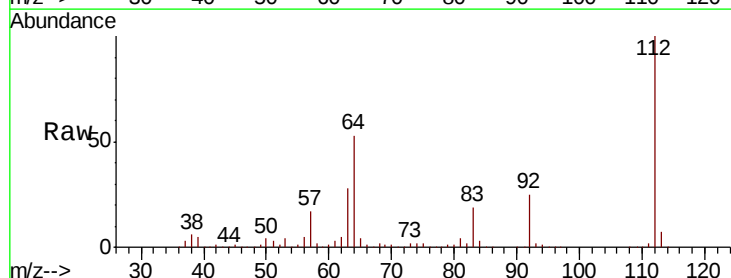


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

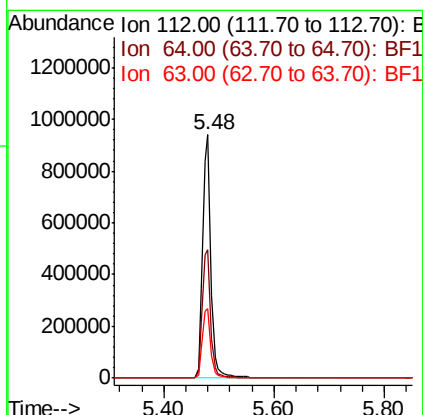
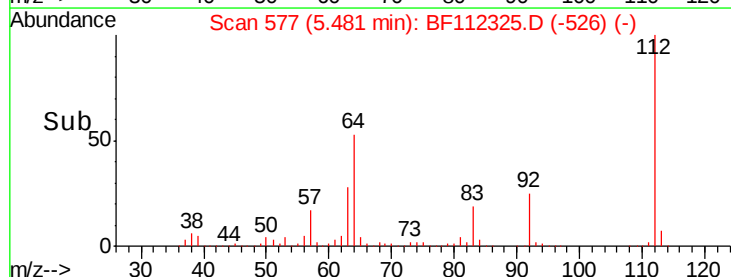


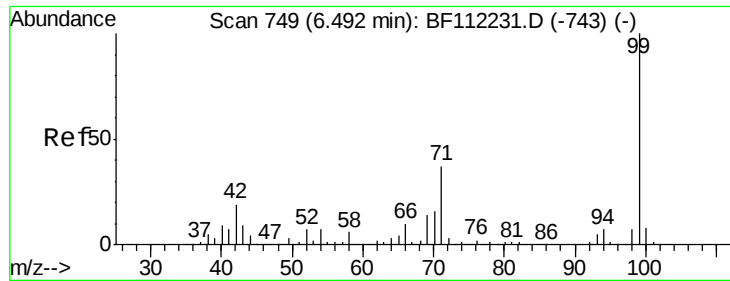
#5
 2-Fluorophenol
 Concen: 114.464 ng
 RT: 5.48 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: BF112325.D
 Acq: 30 Jan 2019 16:51

Tgt Ion:112 Resp: 966583
 Ion Ratio Lower Upper
 112 100
 64 52.8 45.7 68.5
 63 28.4 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: 101.041 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Instrument :

BNA_F

ClientSampleId :

TP-5

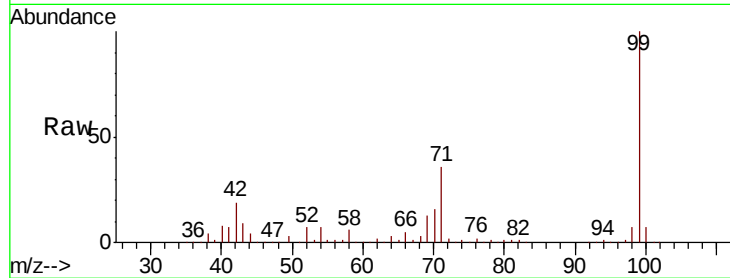
Tgt Ion: 99 Resp: 1185610

Ion Ratio Lower Upper

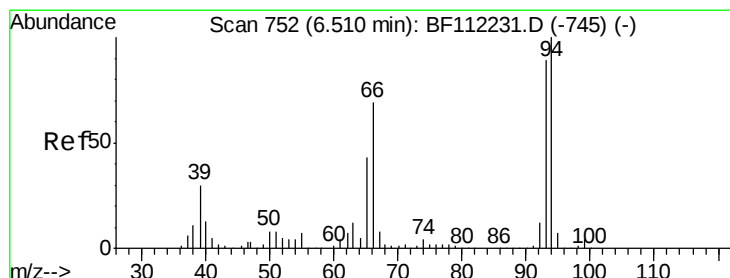
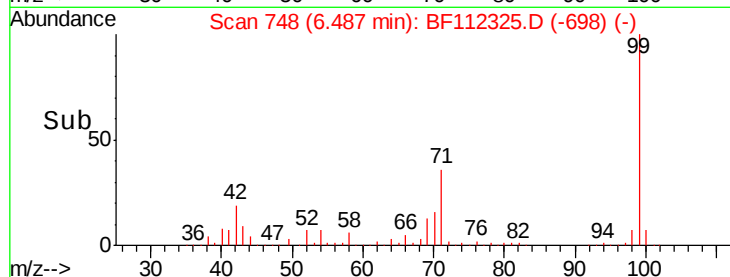
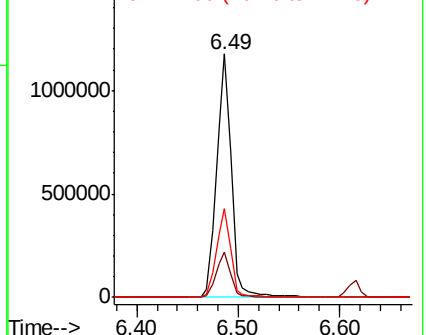
99 100

42 18.8 15.1 22.7

71 36.4 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



#10

Phenol

Concen: 6.589 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

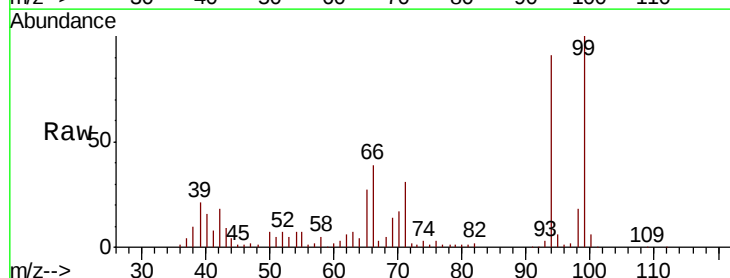
Tgt Ion: 94 Resp: 84828

Ion Ratio Lower Upper

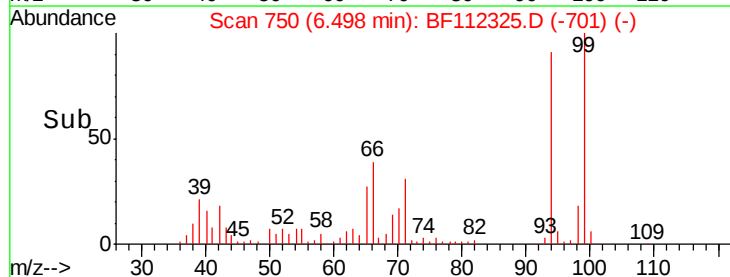
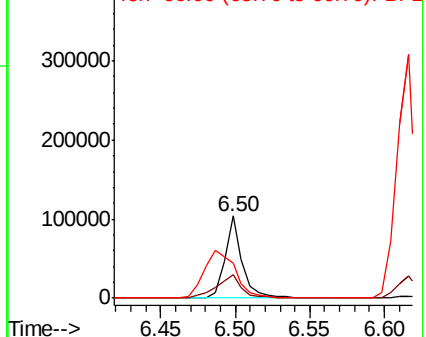
94 100

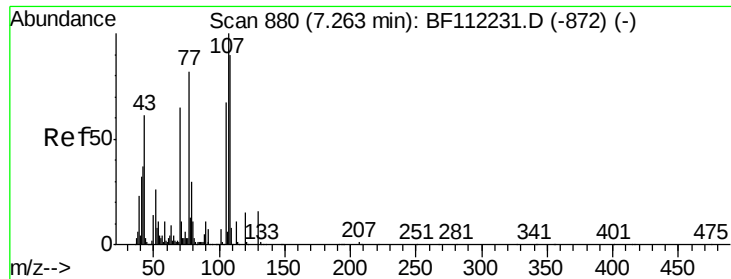
65 29.3 20.3 60.3

66 43.0 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

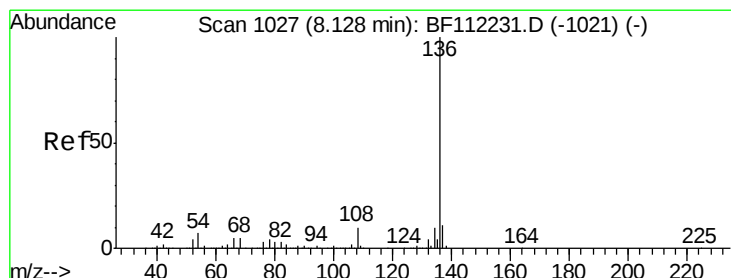
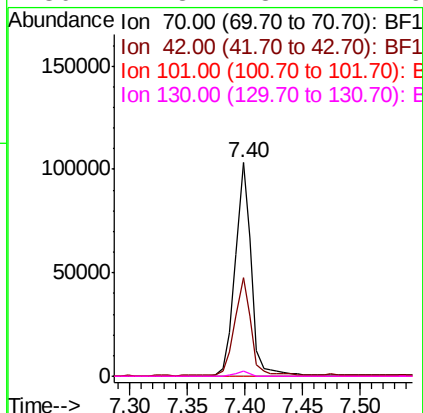
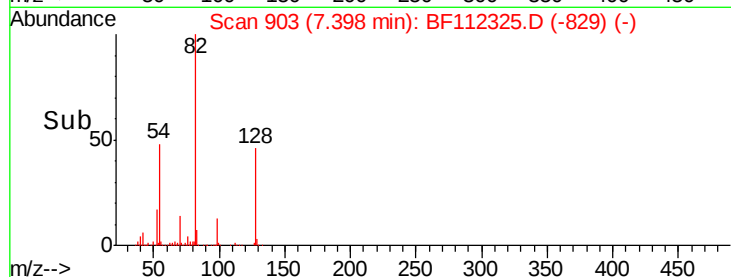
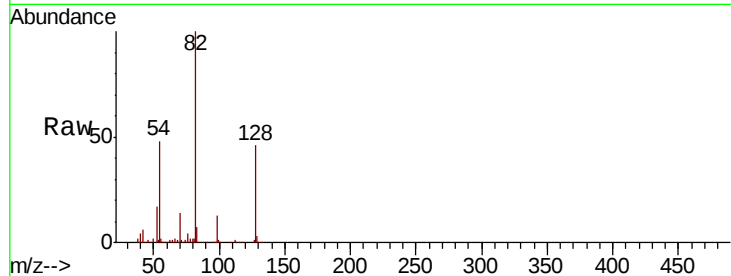




#19
n-Nitroso-di-n-propylamine
Concen: 12.453 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.14 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

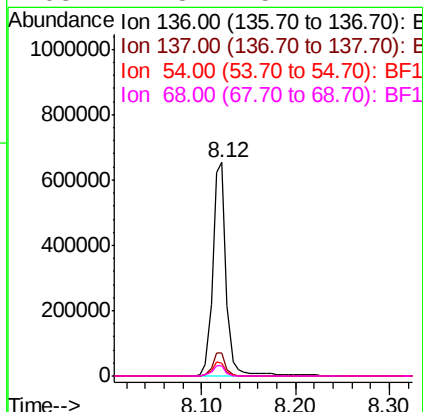
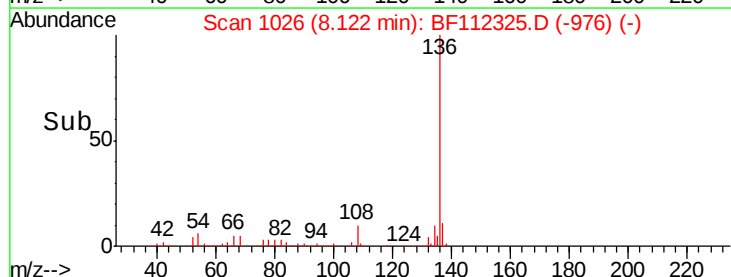
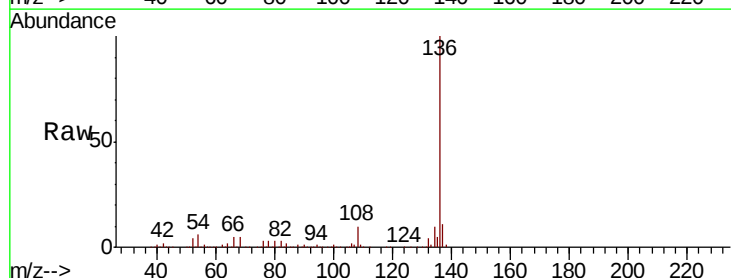
Instrument :
BNA_F
ClientSampleId :
TP-5

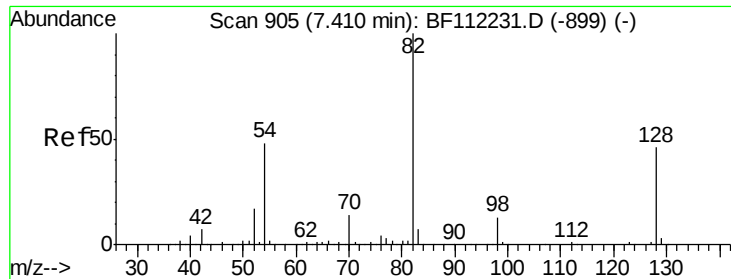
Tgt Ion:	70	Resp:	100759
Ion	Ratio	Lower	Upper
70	100		
42	46.0	47.6	71.4#
101	0.0	7.9	11.9#
130	2.3	18.4	27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Tgt Ion:	136	Resp:	670907
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	5.9	5.9	8.9#
68	4.8	5.1	7.7#

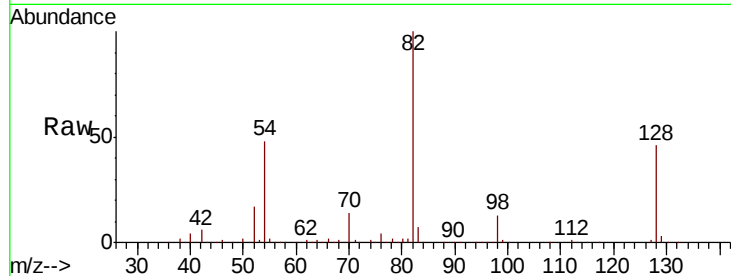




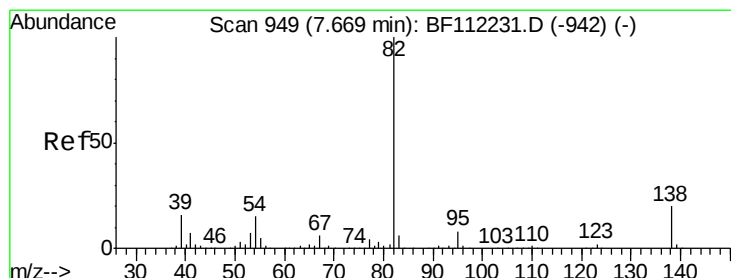
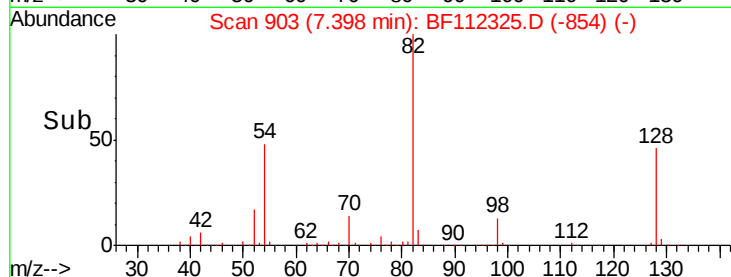
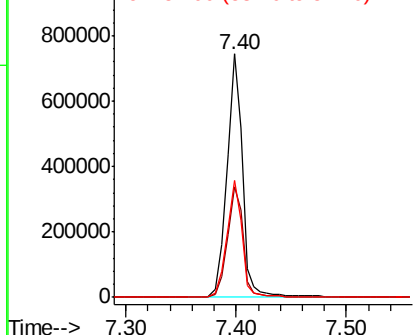
#23
 Nitrobenzene-d5
 Concen: 63.328 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF112325.D
 Acq: 30 Jan 2019 16:51

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tgt Ion: 82 Resp: 737375
 Ion Ratio Lower Upper
 82 100
 128 45.6 37.8 56.8
 54 48.0 39.7 59.5

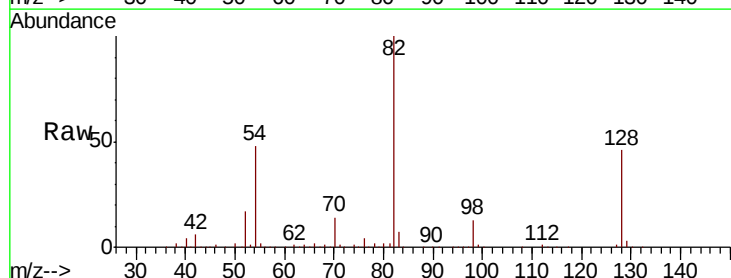


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

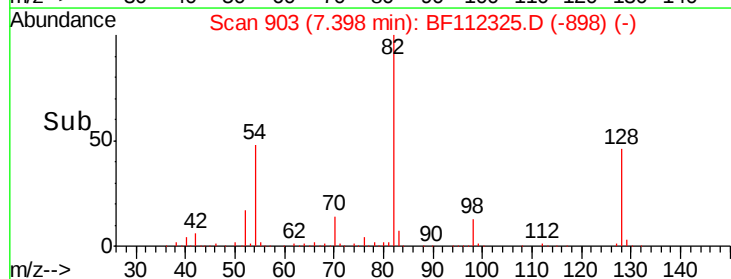
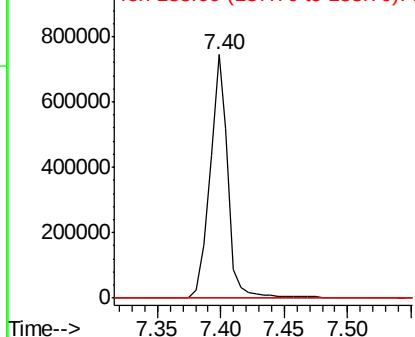


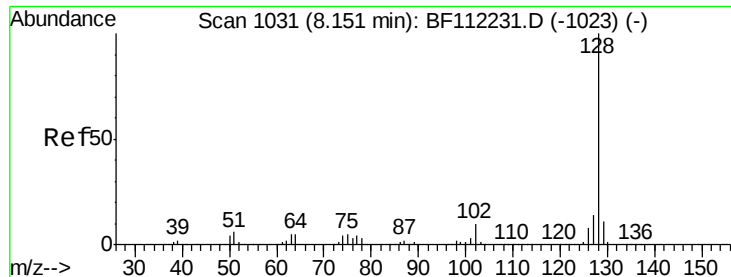
#25
 Isophorone
 Concen: 39.951 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.27 min
 Lab File: BF112325.D
 Acq: 30 Jan 2019 16:51

Tgt Ion: 82 Resp: 729763
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.7 8.5#
 138 0.0 15.4 23.0#



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

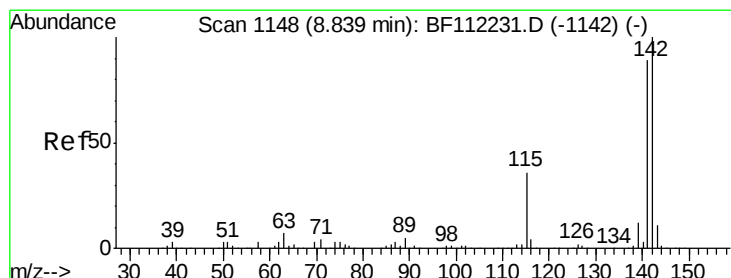
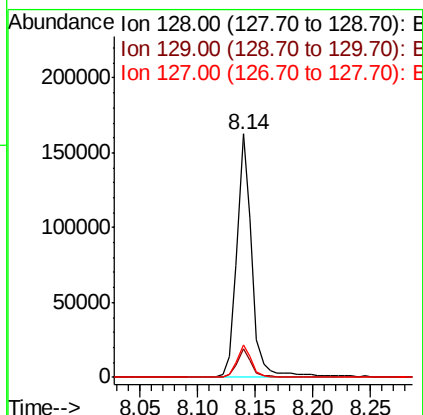
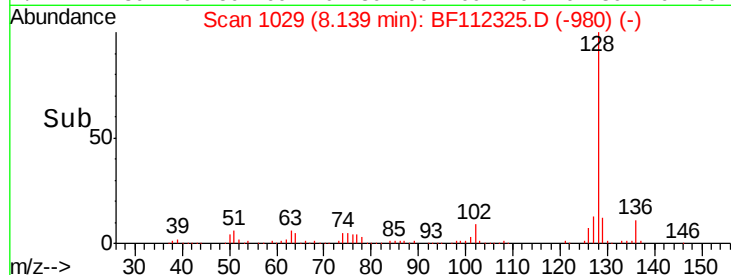
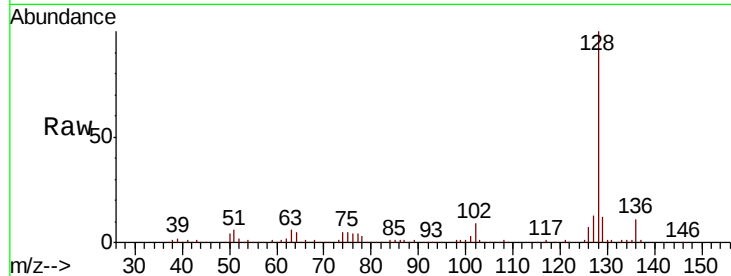




#31
Naphthalene
Concen: 4.708 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

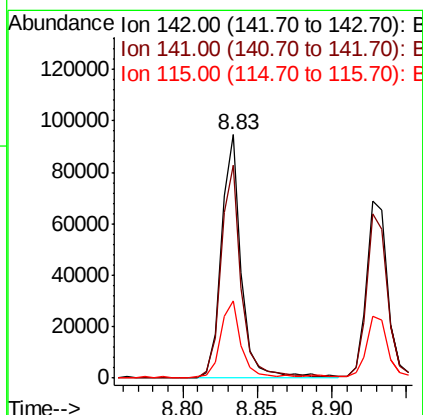
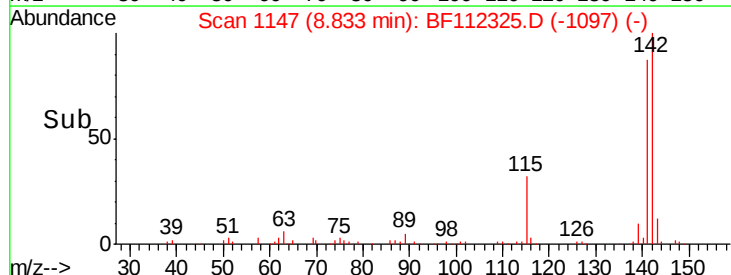
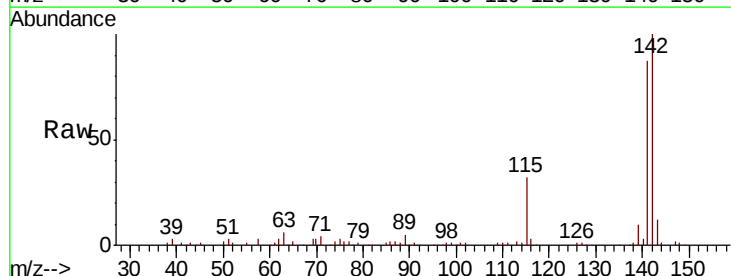
Instrument :
BNA_F
ClientSampleId :
TP-5

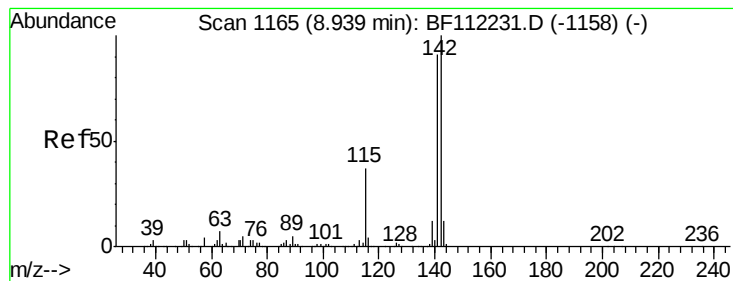
Tgt Ion:128 Resp: 147712
Ion Ratio Lower Upper
128 100
129 11.8 9.6 14.4
127 13.1 11.1 16.7



#37
2-Methylnaphthalene
Concen: 4.160 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Tgt Ion:142 Resp: 89354
Ion Ratio Lower Upper
142 100
141 87.4 70.9 106.3
115 32.0 24.9 37.3





#38

1-Methylnaphthalene

Concen: 3.399 ng

RT: 8.93 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Instrument :

BNA_F

ClientSampleId :

TP-5

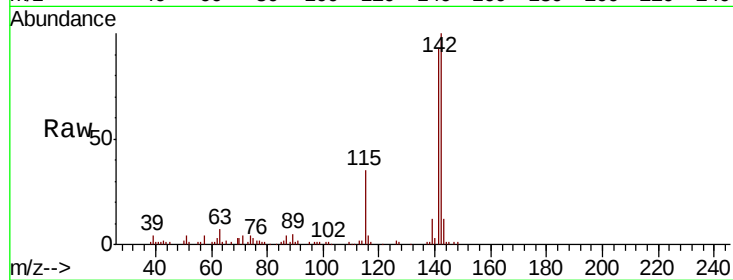
Tgt Ion:142 Resp: 69965

Ion Ratio Lower Upper

142 100

141 92.7 72.6 108.8

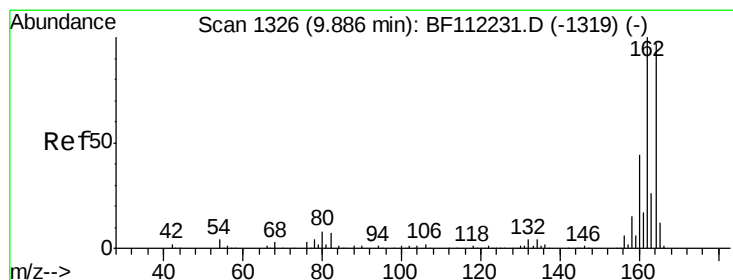
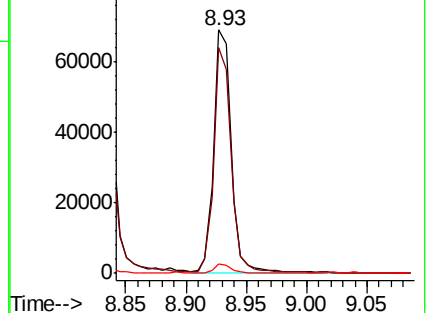
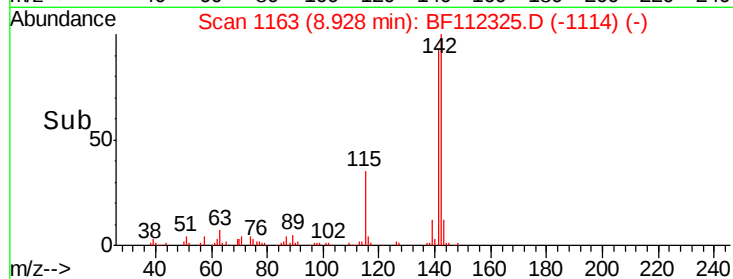
116 3.8 2.8 4.2



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: BF112325.D

Acq: 30 Jan 2019 16:51

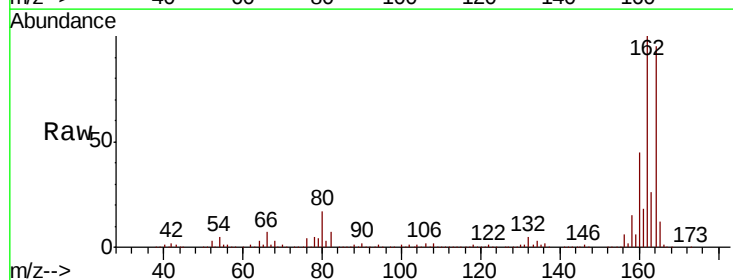
Tgt Ion:164 Resp: 296847

Ion Ratio Lower Upper

164 100

162 105.8 82.2 123.4

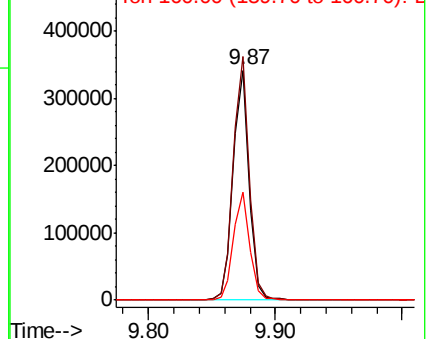
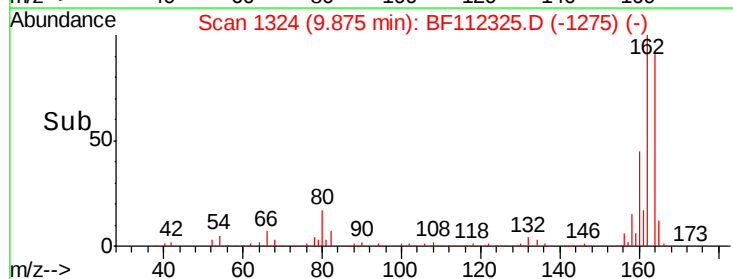
160 47.1 36.2 54.4

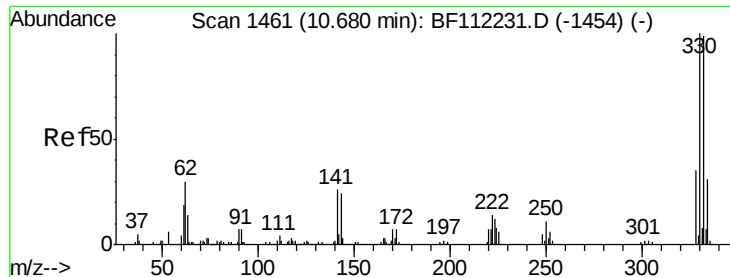


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

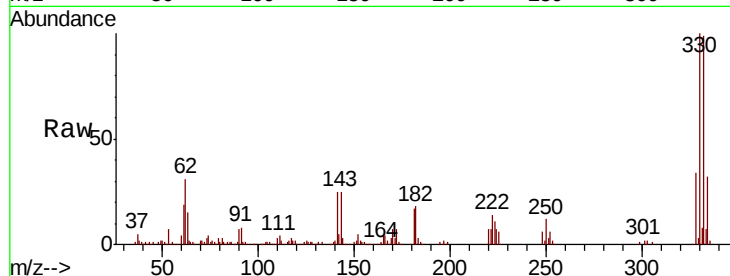




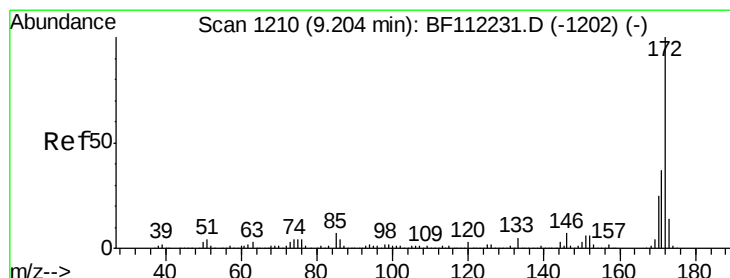
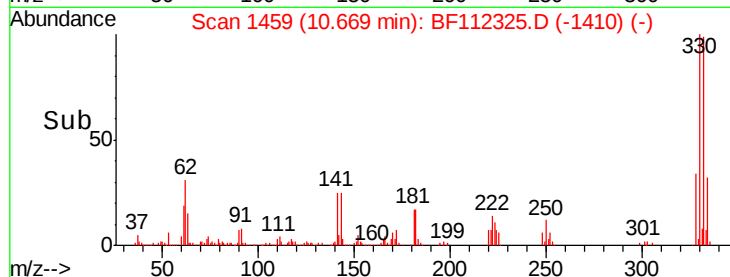
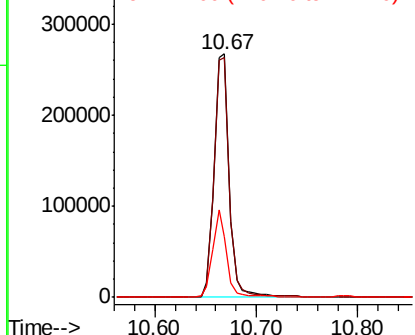
#42
 2,4,6-Tribromophenol
 Concen: 81.371 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF112325.D
 Acq: 30 Jan 2019 16:51

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.6	114.8
141	33.8	24.3	36.5

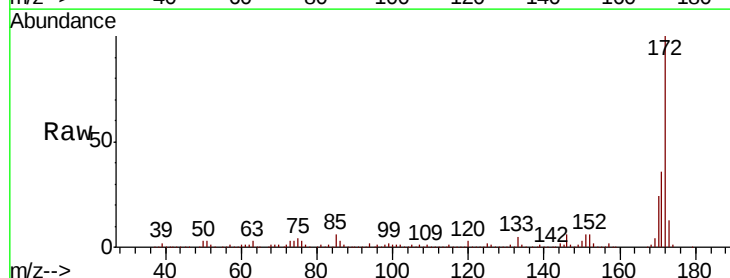


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

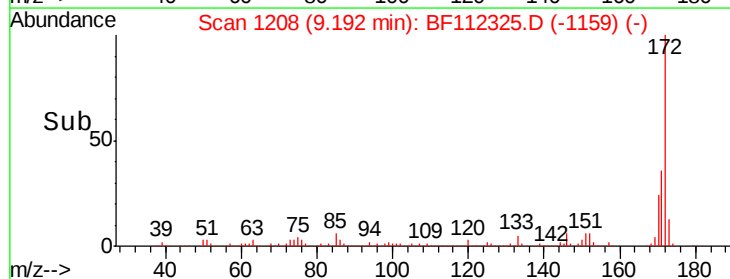
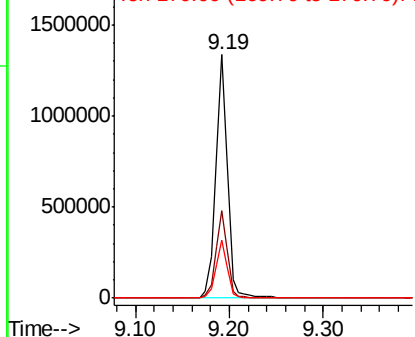


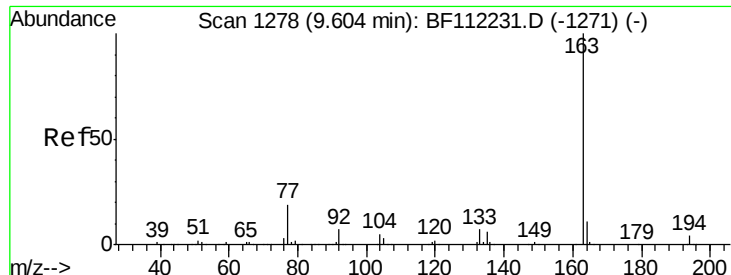
#45
 2-Fluorobiphenyl
 Concen: 57.345 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF112325.D
 Acq: 30 Jan 2019 16:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	30.5	45.7
170	23.7	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

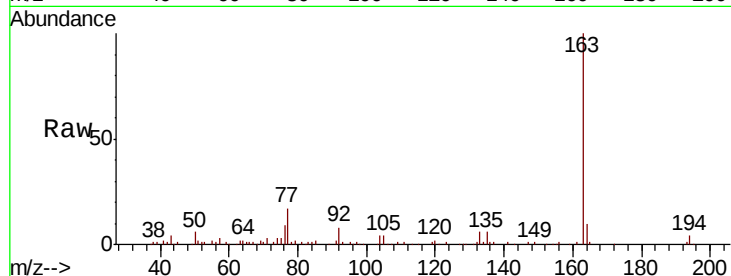




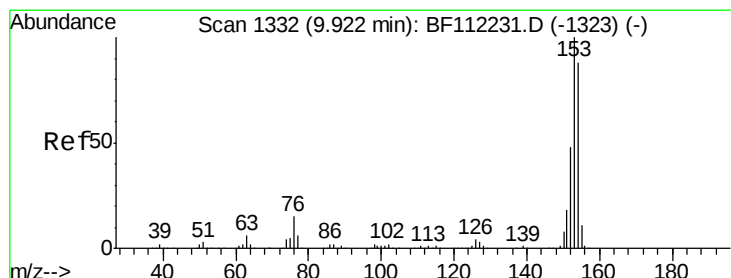
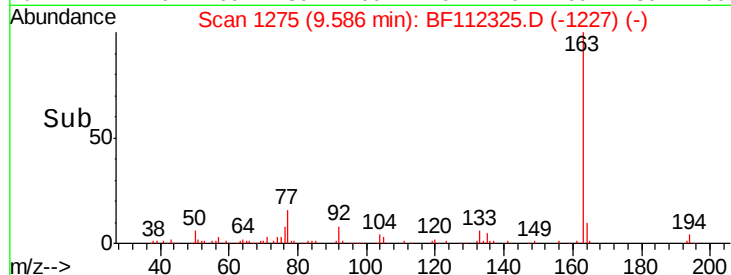
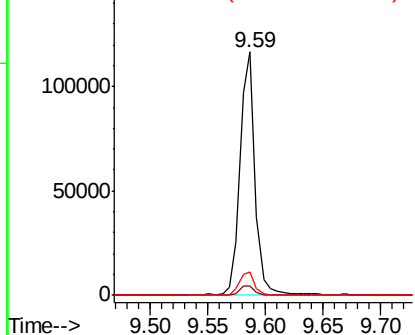
#50
Dimethylphthalate
Concen: 4.608 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	9.8	8.5	12.7

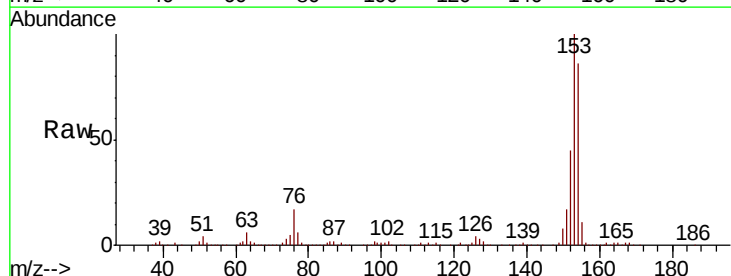


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

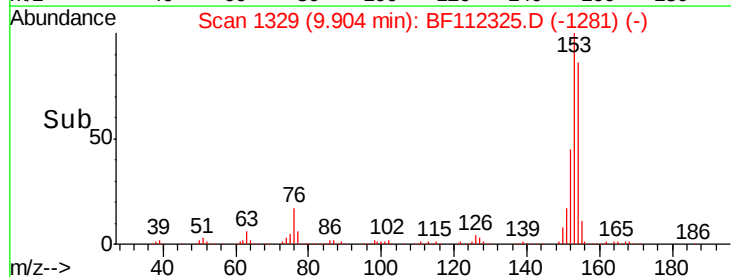
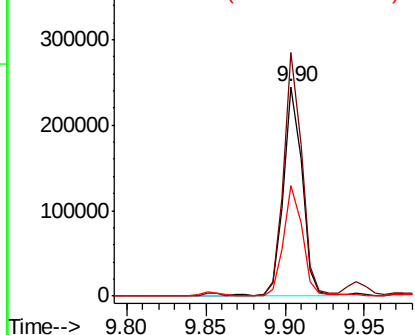


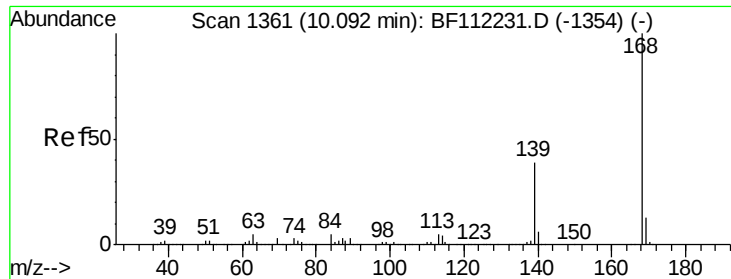
#52
Acenaphthene
Concen: 11.413 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.2	89.8	134.6
152	52.8	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





#55

Dibenzofuran

Concen: 7.086 ng

RT: 10.08 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Instrument :

BNA_F

ClientSampleId :

TP-5

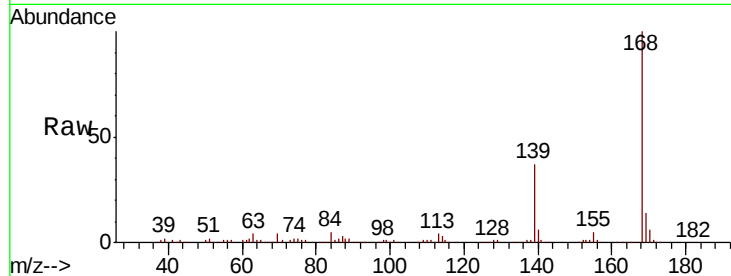
Tgt Ion:168 Resp: 190815

Ion Ratio Lower Upper

168 100

139 36.9 29.2 43.8

169 13.7 11.4 17.0

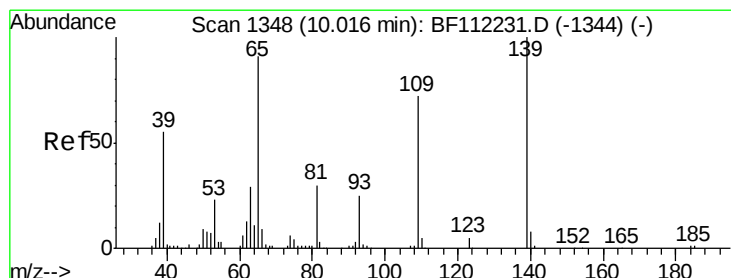
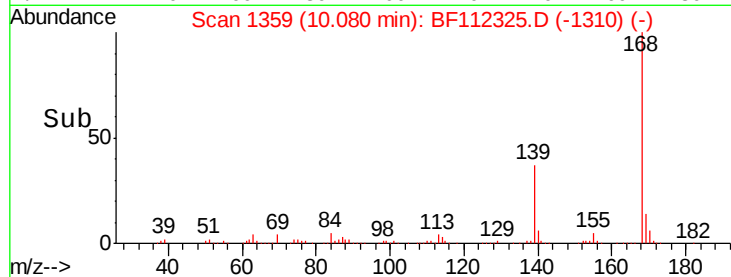
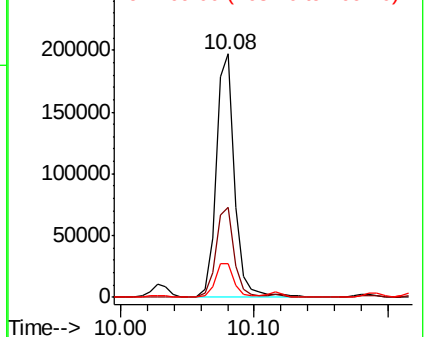


Abundance

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



#56

4-Nitrophenol

Concen: 24.699 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.06 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

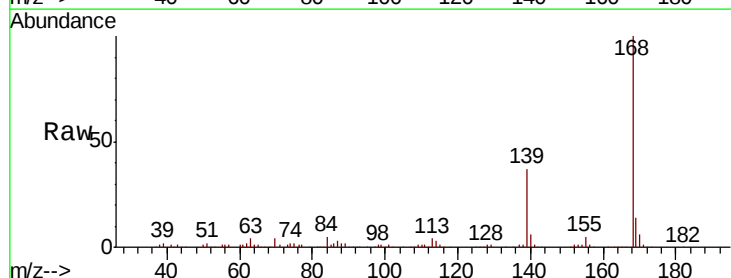
Tgt Ion:139 Resp: 73072

Ion Ratio Lower Upper

139 100

109 1.4 42.8 82.8#

65 1.7 66.1 106.1#

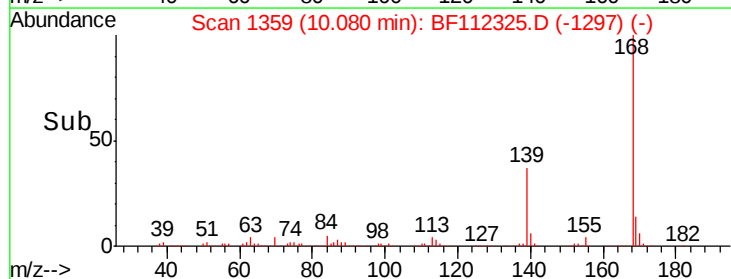
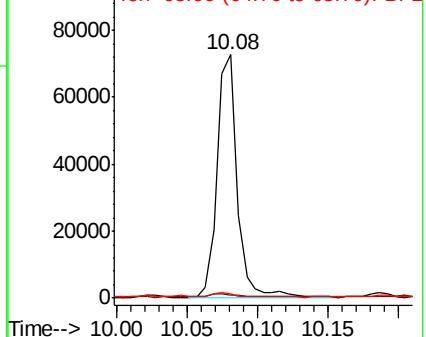


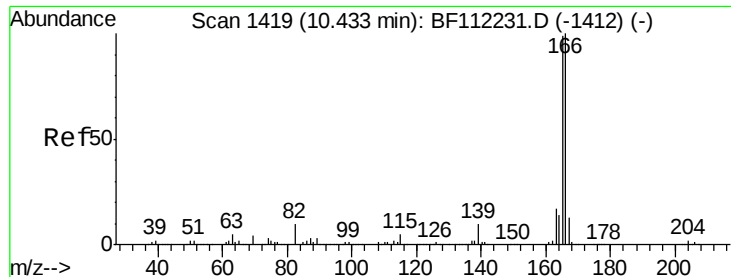
Abundance

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





#58

Fluorene

Concen: 11.575 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Instrument :

BNA_F

ClientSampleId :

TP-5

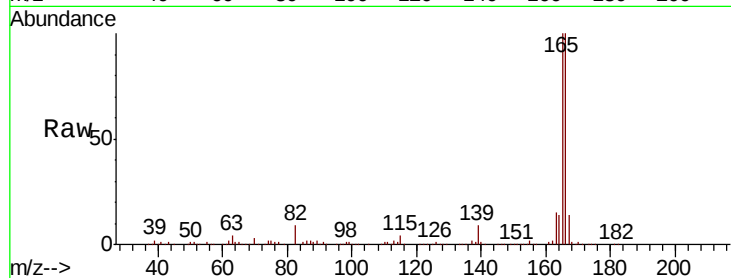
Tgt Ion:166 Resp: 233229

Ion Ratio Lower Upper

166 100

165 99.6 77.1 115.7

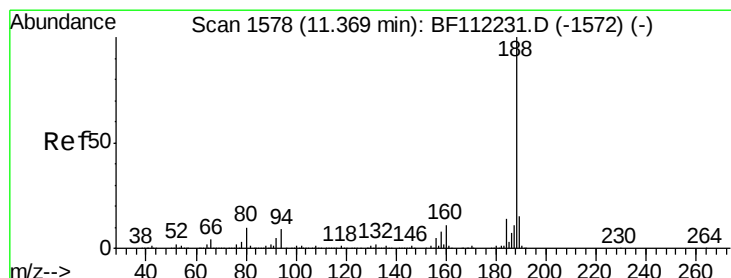
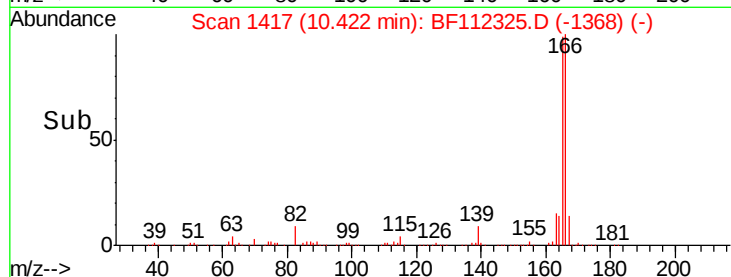
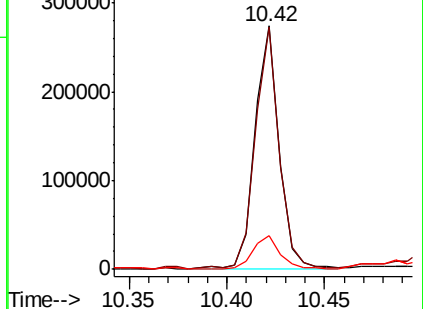
167 14.1 11.3 16.9



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

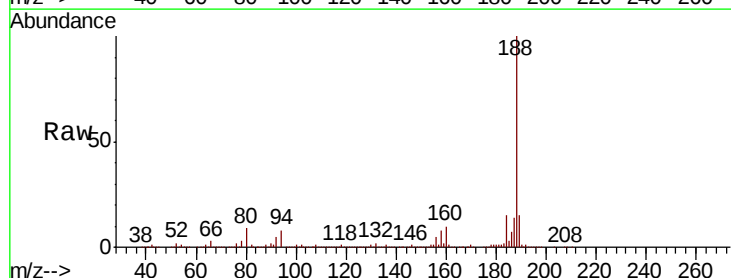
Tgt Ion:188 Resp: 488314

Ion Ratio Lower Upper

188 100

94 8.1 8.2 12.2#

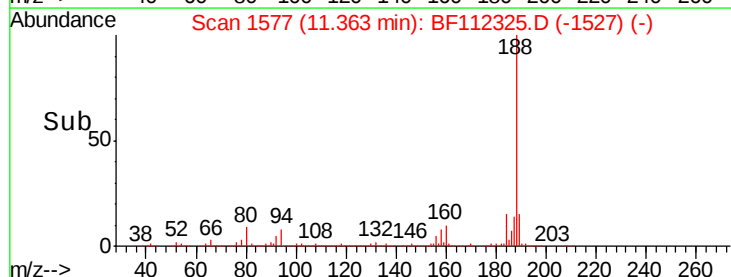
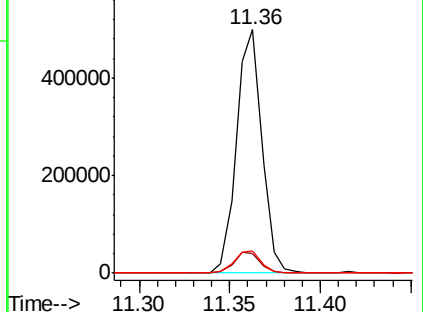
80 8.9 8.9 13.3

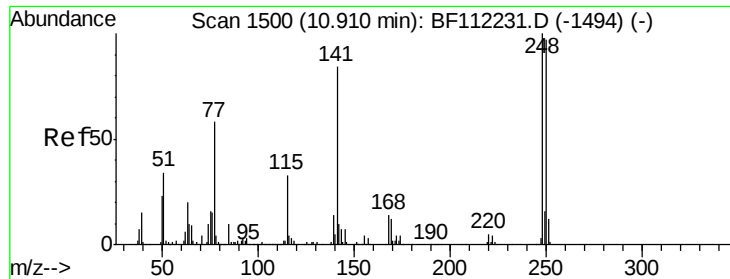


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

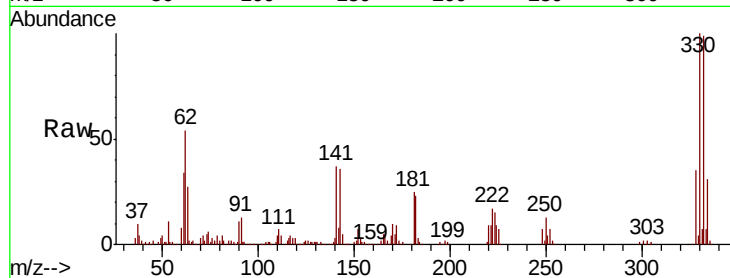




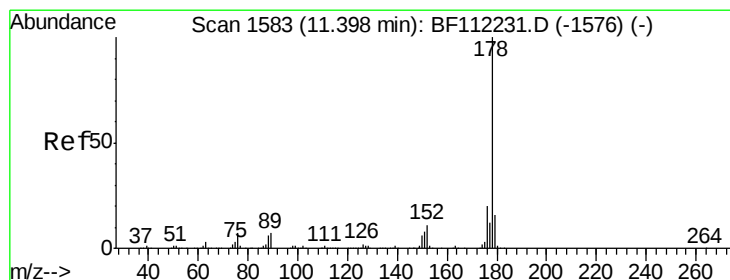
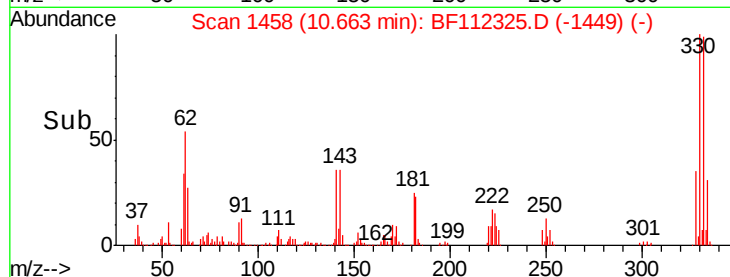
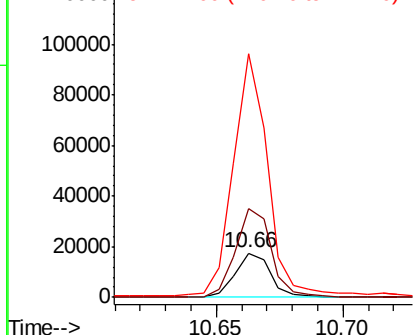
#67
4-Bromophenyl-phenylether
Concen: 2.909 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 248 Resp: 16709
Ion Ratio Lower Upper
248 100
250 198.6 79.7 119.5#
141 548.1 60.3 90.5#

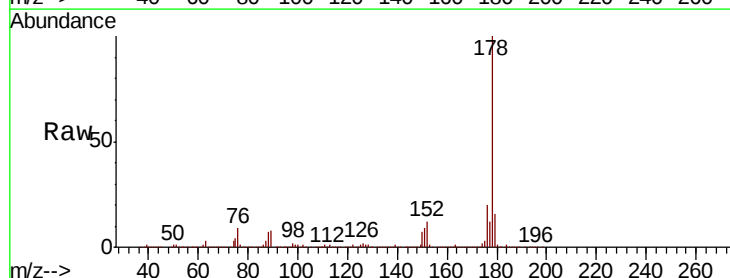


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

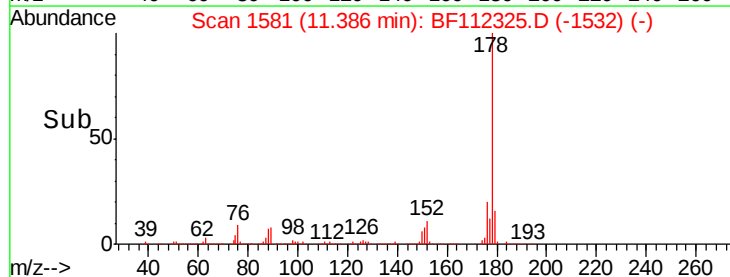
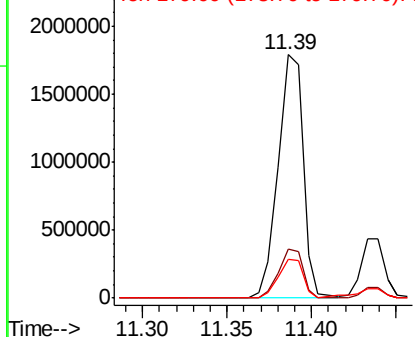


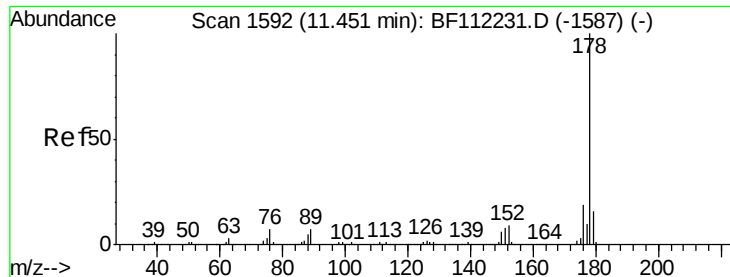
#71
Phenanthrene
Concen: 71.675 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Tgt Ion: 178 Resp: 1819598
Ion Ratio Lower Upper
178 100
176 20.0 16.3 24.5
179 16.2 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

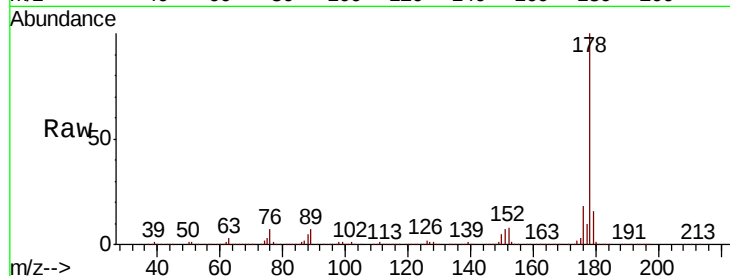




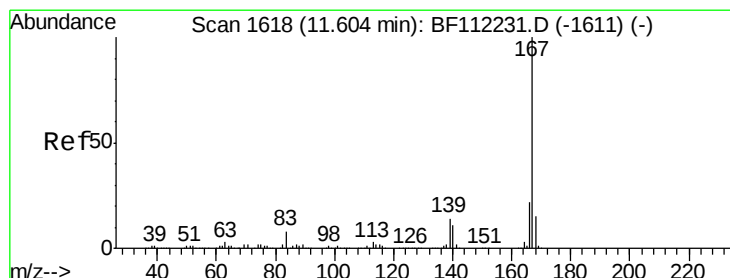
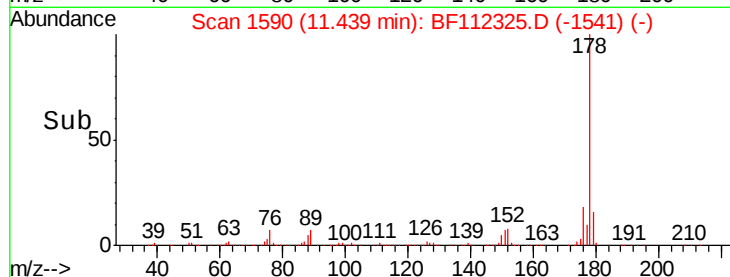
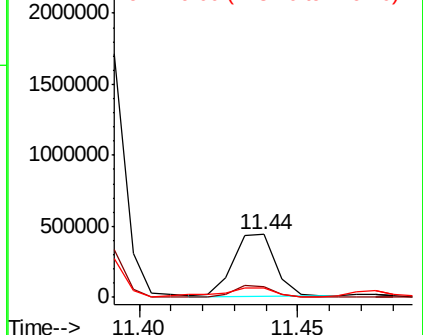
#72
 Anthracene
 Concen: 15.951 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF112325.D
 Acq: 30 Jan 2019 16:51

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tgt Ion:178 Resp: 403371
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.5 23.3
 179 15.8 12.8 19.2

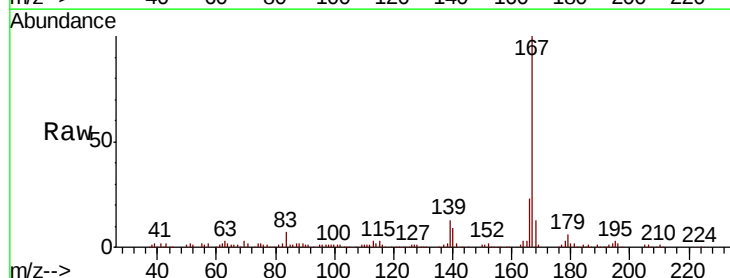


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

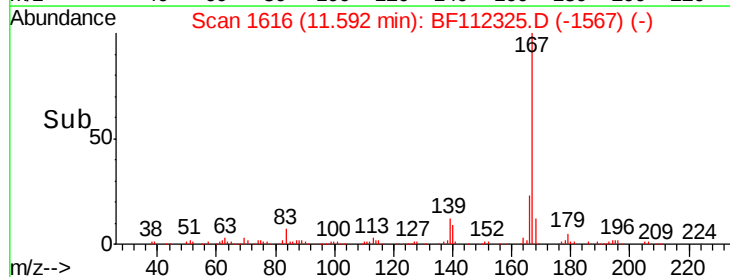
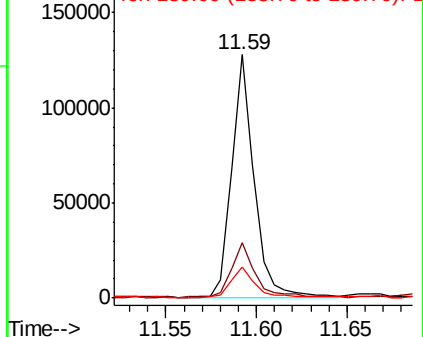


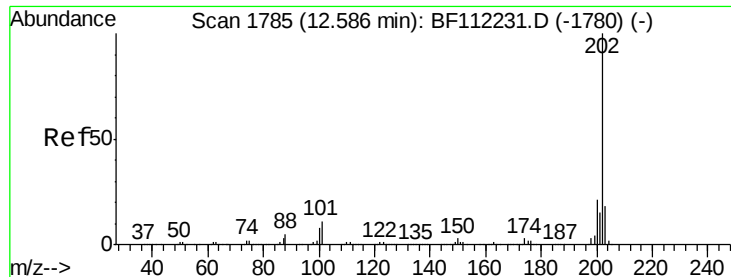
#73
 Carbazole
 Concen: 4.408 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF112325.D
 Acq: 30 Jan 2019 16:51

Tgt Ion:167 Resp: 109963
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.9 26.9
 139 12.7 10.2 15.2



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 61.357 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Instrument :

BNA_F

ClientSampleId :

TP-5

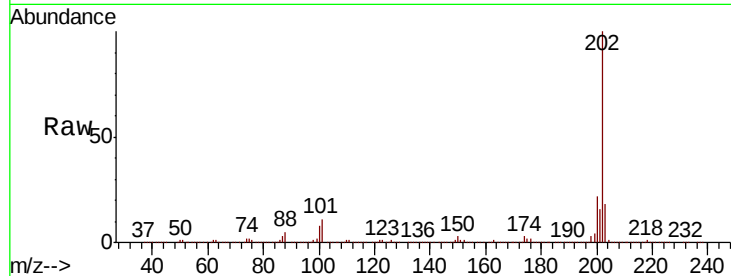
Tgt Ion:202 Resp: 1670688

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.8

203 18.3 0.0 38.4

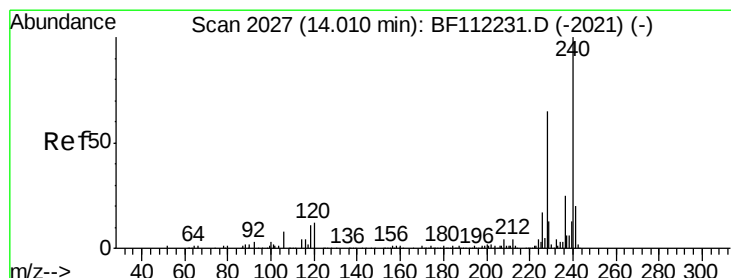
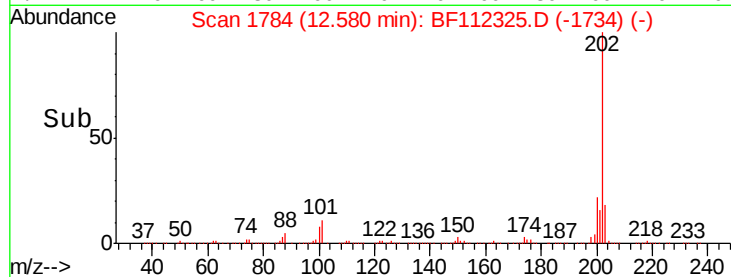
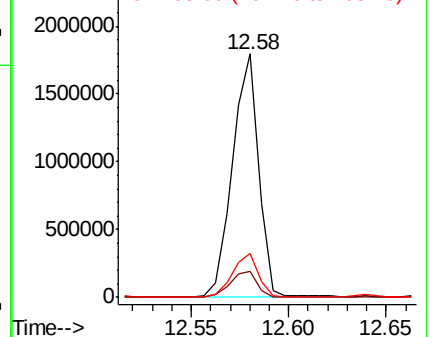


Abundance

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: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

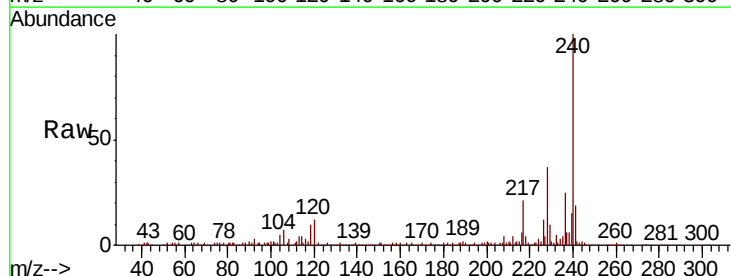
Tgt Ion:240 Resp: 368289

Ion Ratio Lower Upper

240 100

120 11.6 9.0 13.6

236 25.1 20.7 31.1

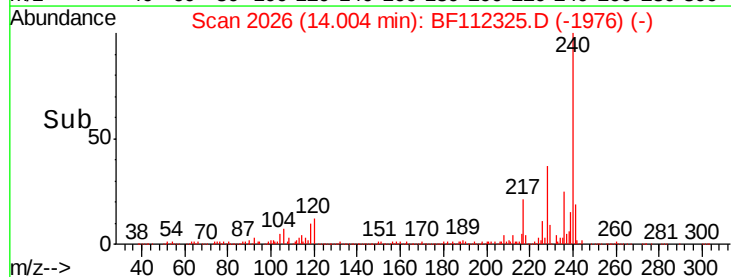
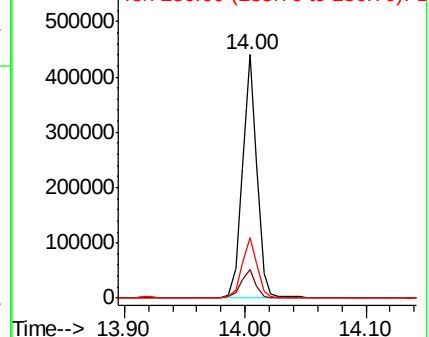


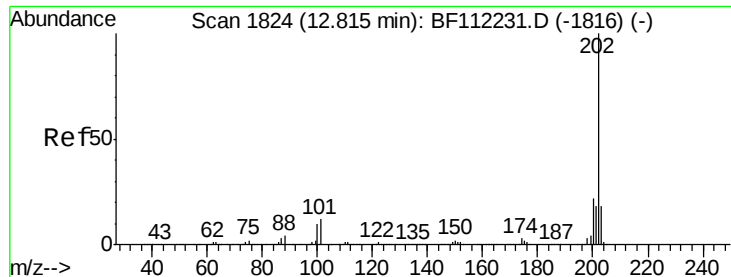
Abundance

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

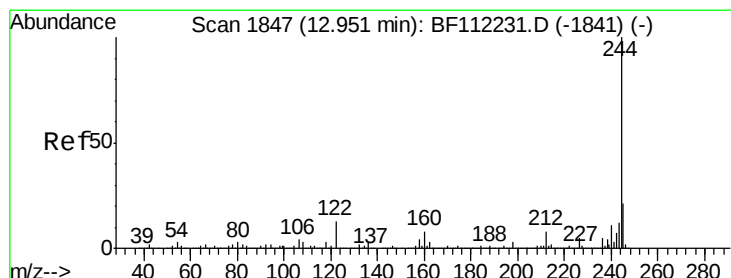
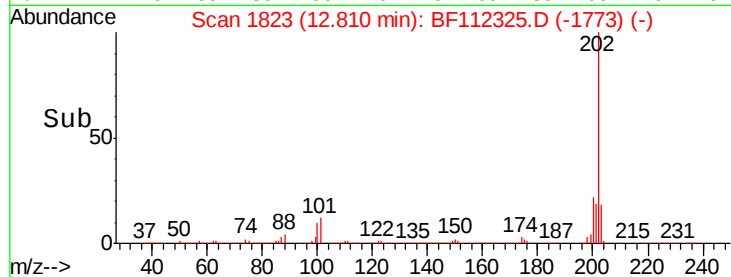
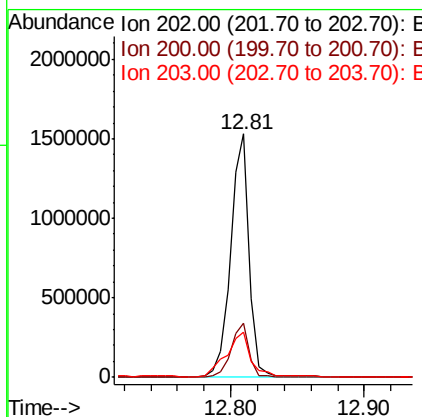
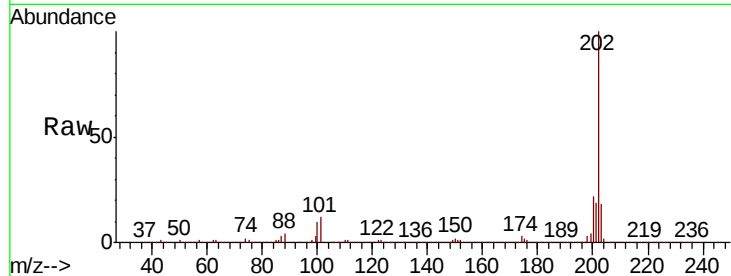




#78
 Pyrene
 Concen: 58.331 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF112325.D
 Acq: 30 Jan 2019 16:51

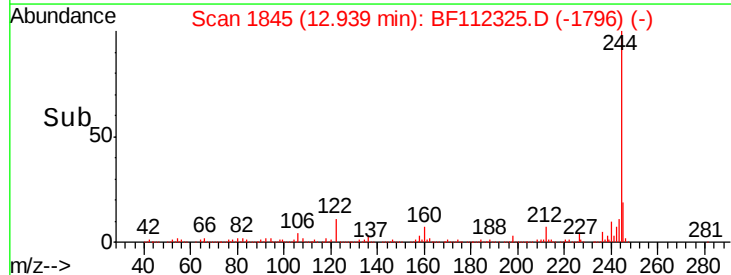
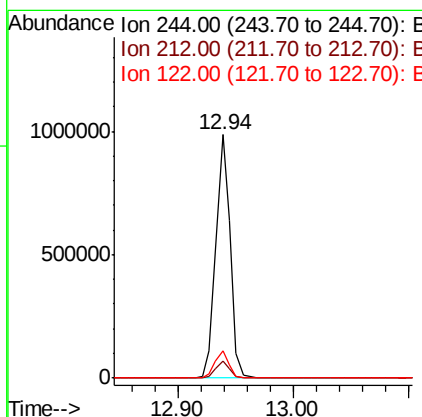
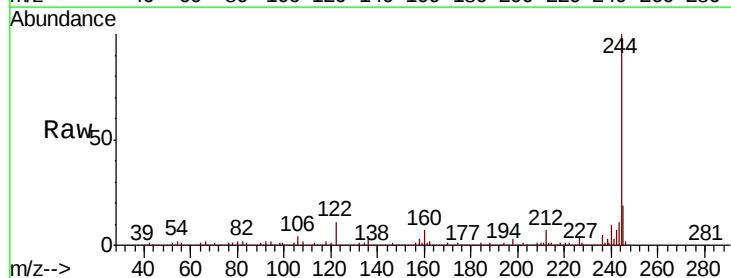
Instrument :
 BNA_F
 ClientSampleId :
 TP-5

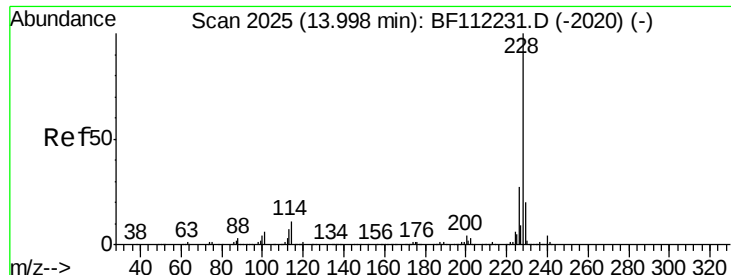
Tgt Ion: 202 Resp: 1487329
 Ion Ratio Lower Upper
 202 100
 200 22.2 17.7 26.5
 203 18.4 14.6 22.0



#79
 Terphenyl-d14
 Concen: 43.103 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112325.D
 Acq: 30 Jan 2019 16:51

Tgt Ion: 244 Resp: 842845
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 11.4 9.8 14.6





#81

Benzo(a)anthracene

Concen: 31.684 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Instrument :

BNA_F

ClientSampleId :

TP-5

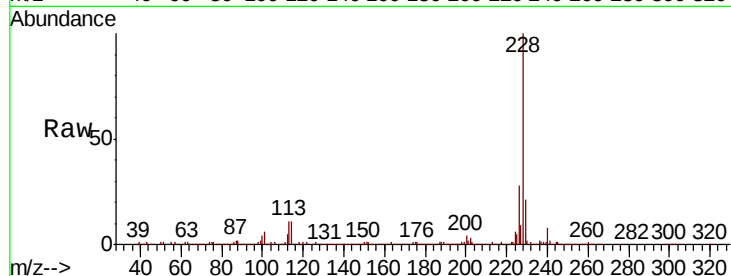
Tgt Ion:228 Resp: 685956

Ion Ratio Lower Upper

228 100

226 28.2 22.6 34.0

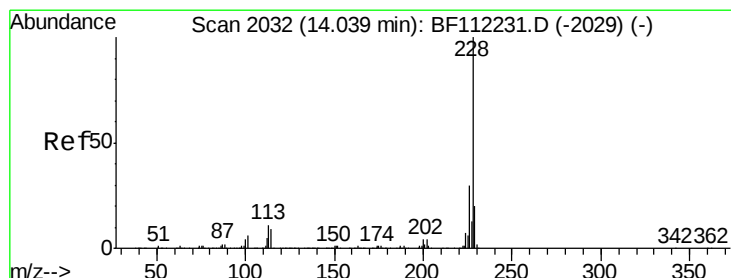
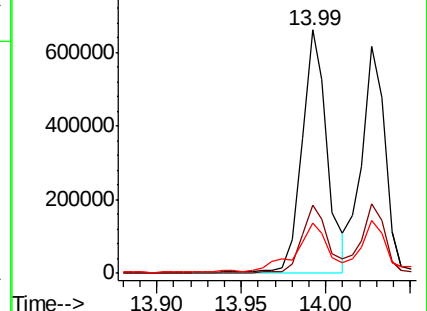
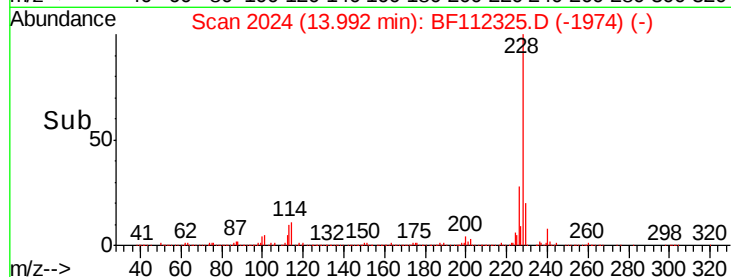
229 20.6 16.5 24.7



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



#83

Chrysene

Concen: 28.755 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

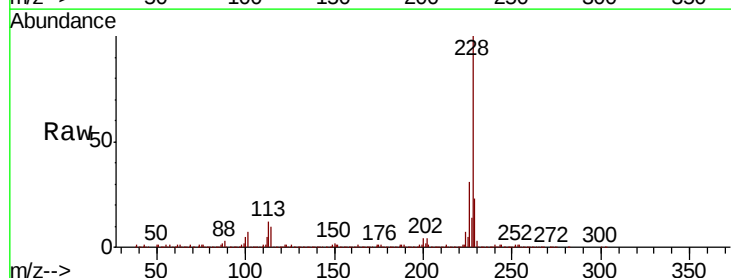
Tgt Ion:228 Resp: 594256

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

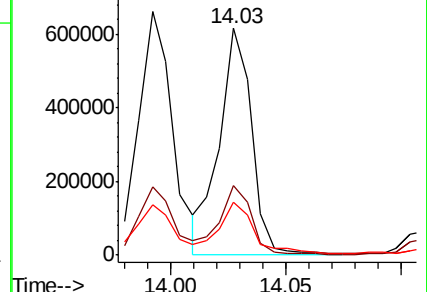
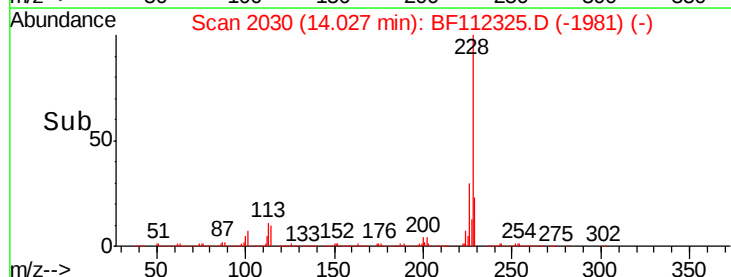
229 23.4 16.6 24.8

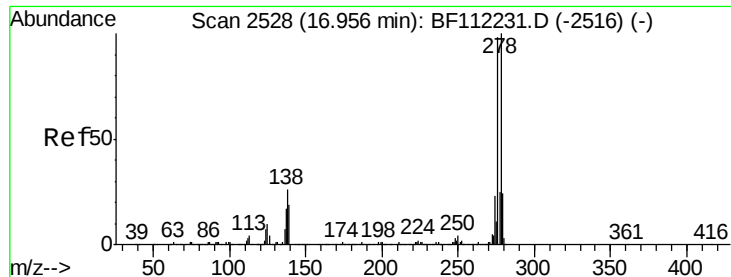


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 15.143 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Instrument :

BNA_F

ClientSampleId :

TP-5

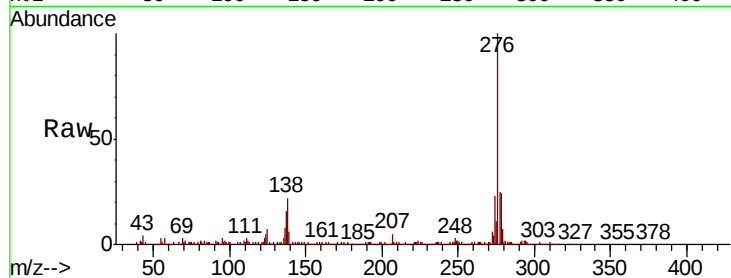
Tgt Ion:276 Resp: 247968

Ion Ratio Lower Upper

276 100

138 21.1 22.6 34.0#

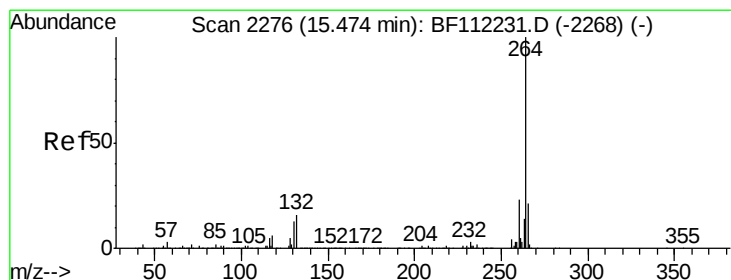
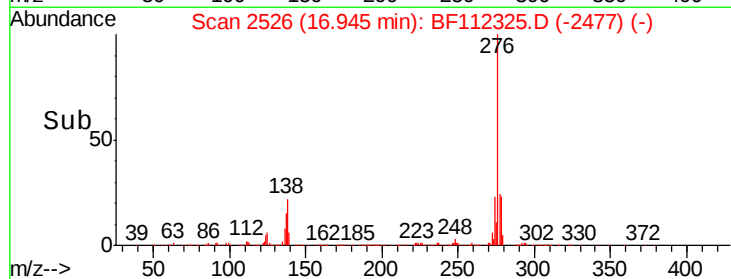
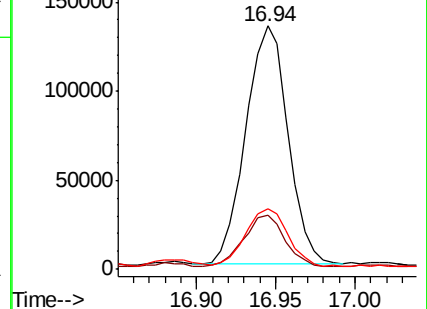
277 24.5 20.3 30.5



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: 15.47 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

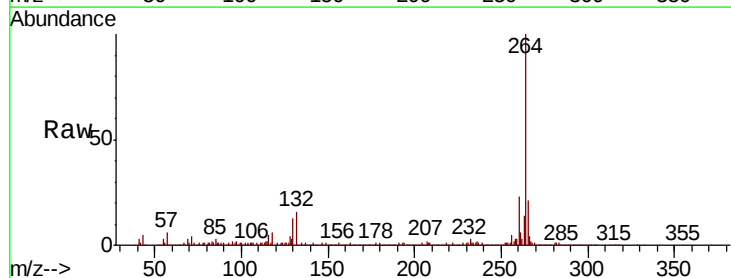
Tgt Ion:264 Resp: 372620

Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.2

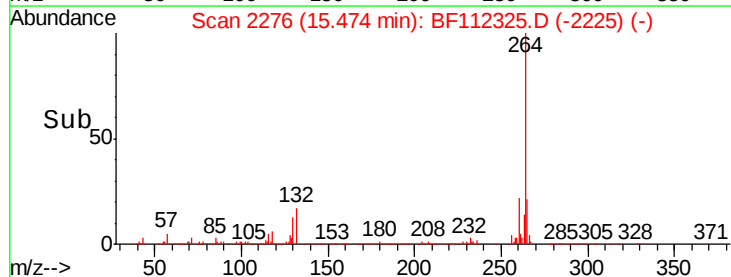
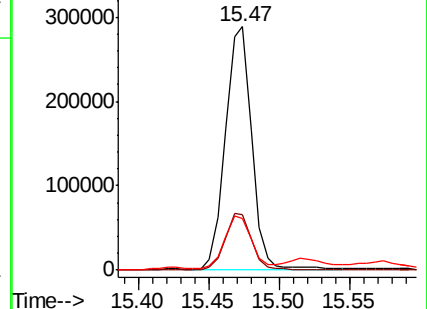
265 21.2 17.0 25.4

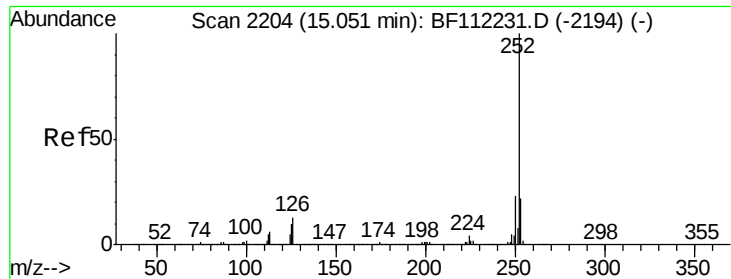


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

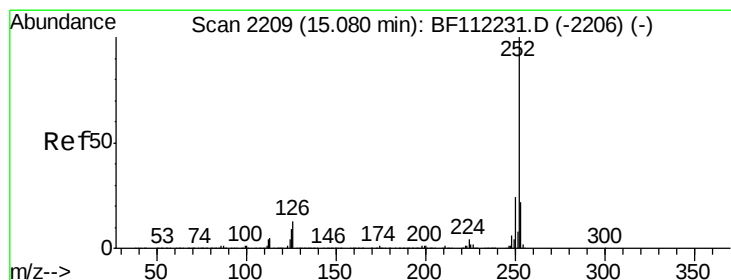
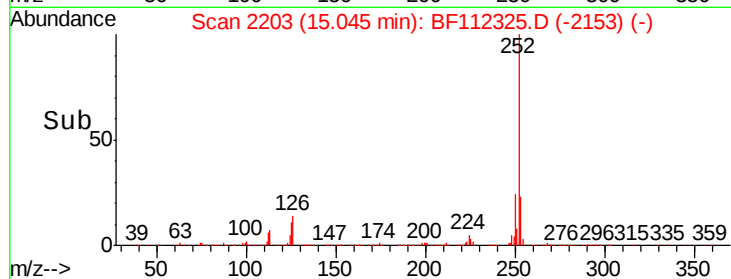
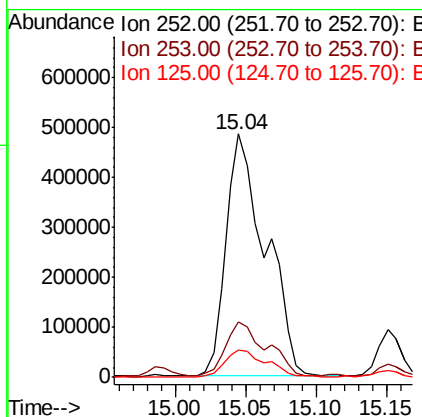
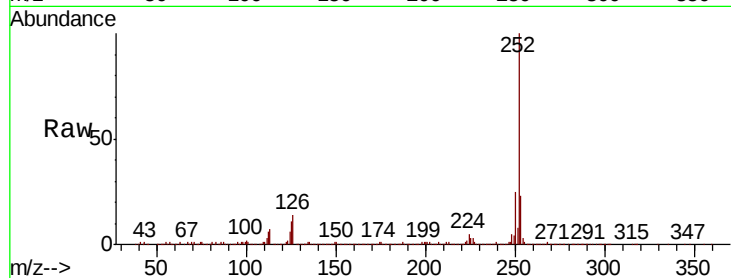




#88
Benzo(b)fluoranthene
Concen: 42.682 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

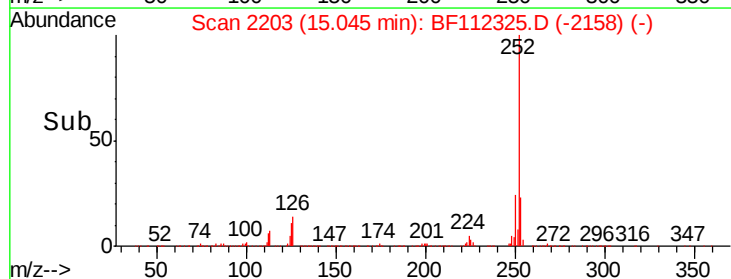
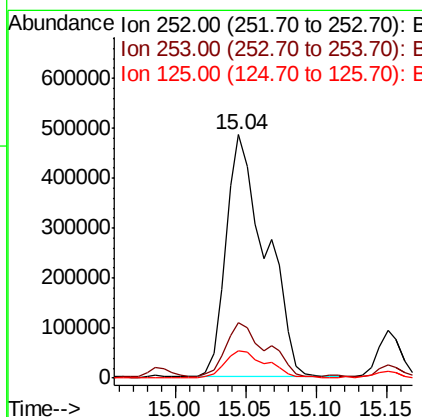
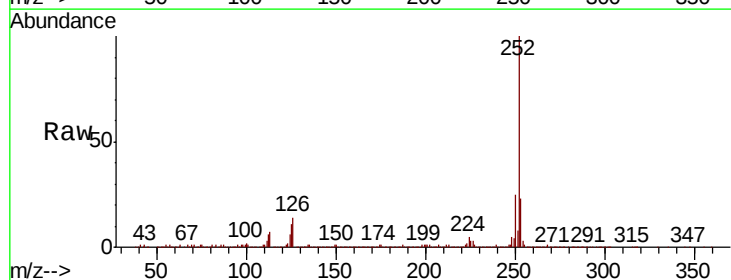
Instrument :
BNA_F
ClientSampleId :
TP-5

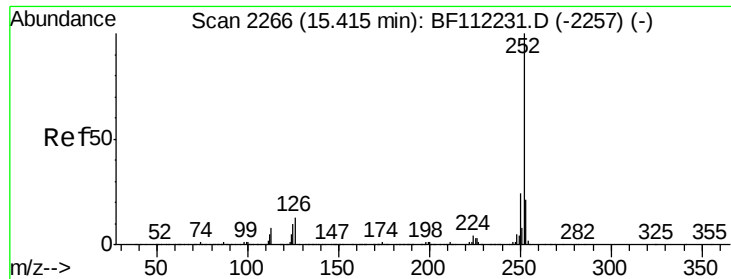
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	11.2	8.7	13.1



#89
Benzo(k)fluoranthene
Concen: 44.560 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	11.2	9.1	13.7





#90

Benzo(a)pyrene

Concen: 27.168 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Instrument :

BNA_F

ClientSampleId :

TP-5

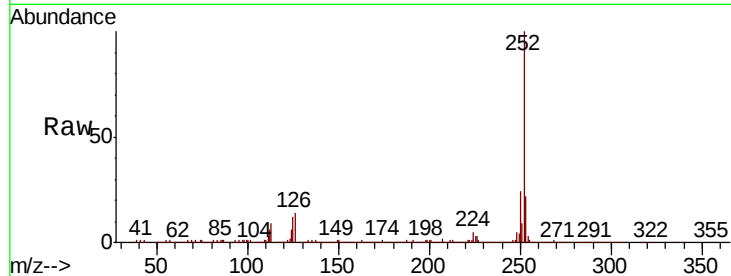
Tgt Ion:252 Resp: 544760

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

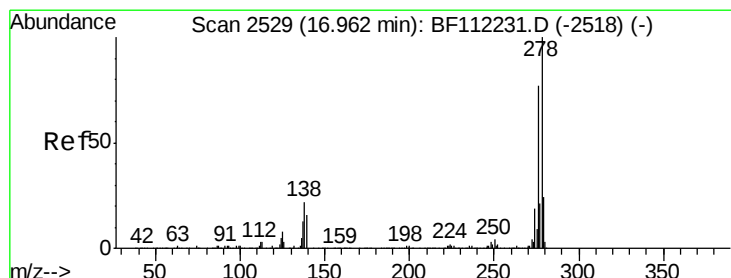
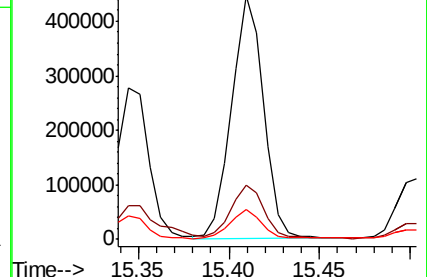
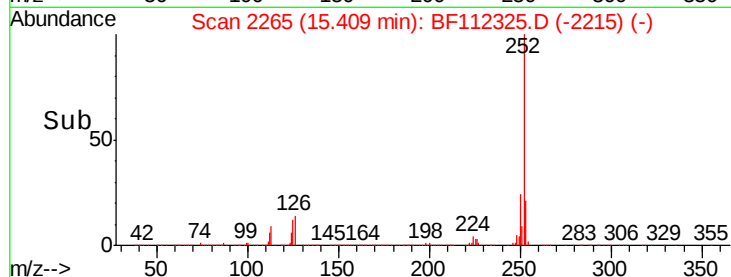
125 12.5 9.0 13.4



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: 3.996 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.02 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

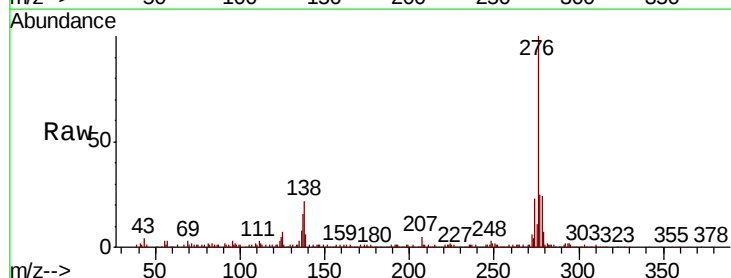
Tgt Ion:278 Resp: 64577

Ion Ratio Lower Upper

278 100

139 25.6 13.7 20.5#

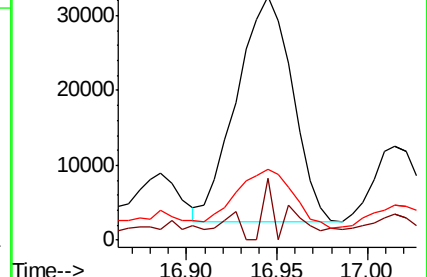
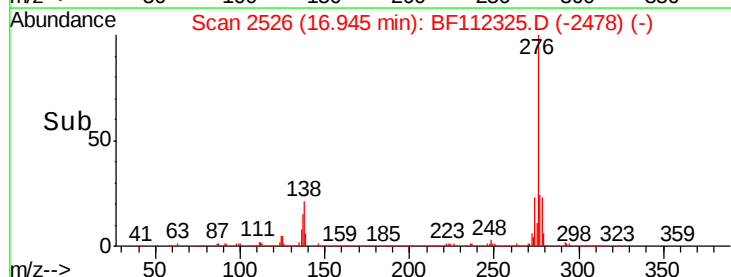
279 29.3 19.0 28.6#

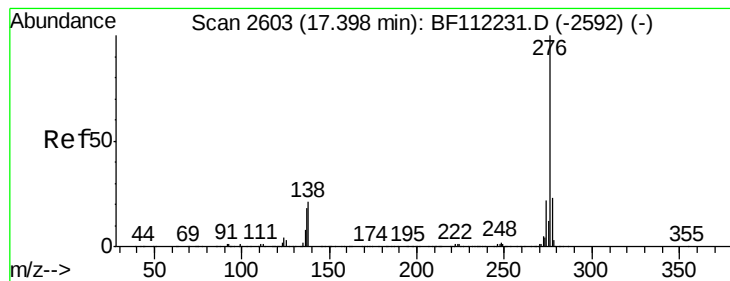


Abundance Ion 278.00 (277.70 to 278.70): E

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: 15.606 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Instrument :

BNA_F

ClientSampleId :

TP-5

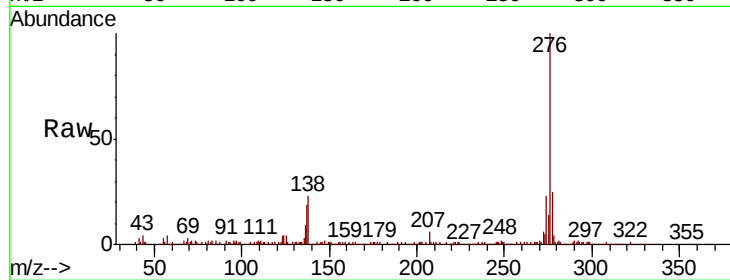
Tgt Ion: 276 Resp: 237930

Ion Ratio Lower Upper

276 100

277 24.7 19.4 29.0

138 23.4 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

