

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116848.D
 Acq On : 5 Sep 2019 19:48
 Operator : HP/JU
 Sample : K4692-10 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 06 03:57:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	64178	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	266904	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	136846	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	207416	20.00	ng	0.00
76) Chrysene-d12	14.00	240	154836	20.00	ng	0.00
87) Perylene-d12	15.46	264	114356	20.00	ng	0.02

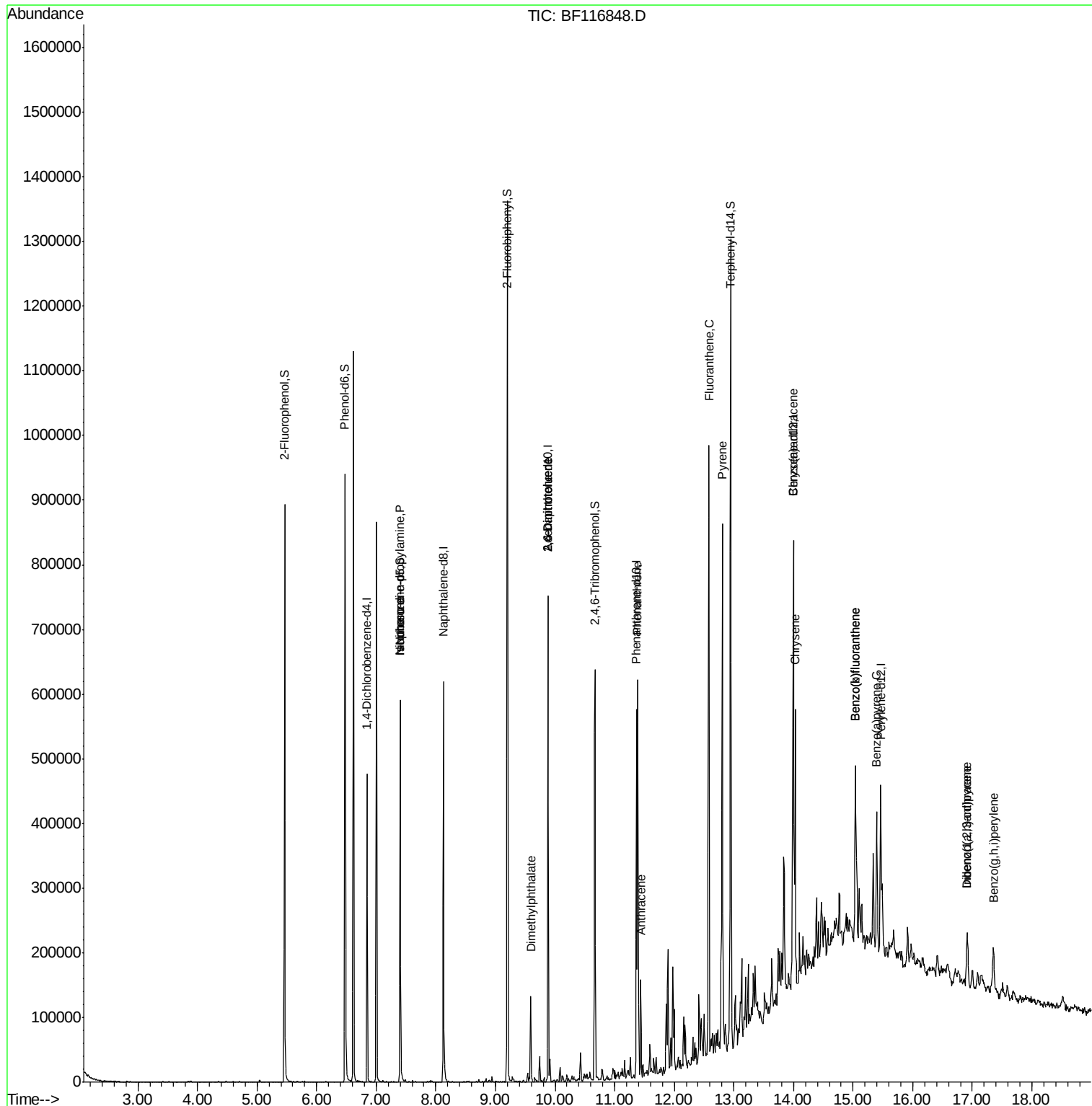
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	245031	61.85	ng	0.00
7) Phenol-d6	6.47	99	345144	66.35	ng	0.00
23) Nitrobenzene-d5	7.40	82	202100	43.23	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	62714	68.55	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	399712	49.27	ng	-0.01
79) Terphenyl-d14	12.94	244	351642	42.01	ng	0.00

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.40	70	26247	7.663	ng	# 72
25) Isophorone	7.40	82	202131	21.336	ng	# 66
50) Dimethylphthalate	9.59	163	54036	5.719	ng	96
51) 2,6-Dinitrotoluene	9.88	165	18073	10.026	ng	# 20
57) 2,4-Dinitrotoluene	9.88	165	18073	8.200	ng	# 20
71) Phenanthrene	11.39	178	222109	19.237	ng	99
72) Anthracene	11.44	178	49767	4.282	ng	99
75) Fluoranthene	12.58	202	363899	32.070	ng	99
78) Pyrene	12.81	202	355559	25.833	ng	99
81) Benzo(a)anthracene	13.99	228	172303	17.583	ng	97
83) Chrysene	14.03	228	159812	15.829	ng	98
86) Indeno(1,2,3-cd)pyrene	16.92	276	49196	6.067	ng	97
88) Benzo(b)fluoranthene	15.04	252	185413	26.818	ng	# 97
89) Benzo(k)fluoranthene	15.04	252	185413	29.413	ng	# 97
90) Benzo(a)pyrene	15.40	252	94479	15.707	ng	100
91) Dibenzo(a,h)anthracene	16.92	278	13902	2.640	ng	# 83
92) Benzo(g,h,i)perylene	17.36	276	48964	9.119	ng	# 91

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

```
Data Path : Z:\SV0ASRV\HPCHEM1\BNA F\DATA\BF090519\  
Data File : BF116848.D  
Acq On    : 5 Sep 2019 19:48  
Operator  : HP/JU  
Sample    : K4692-10 2X  
Misc      :  
ALS Vial  : 22 Sample Multiplier: 1
```

Quant Time: Sep 06 03:57:05 2019
Quant Method : Z:\SV0ASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 20:02:30 2019
Response via : Initial Calibration



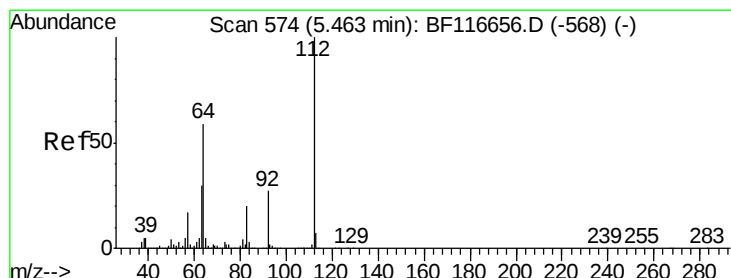
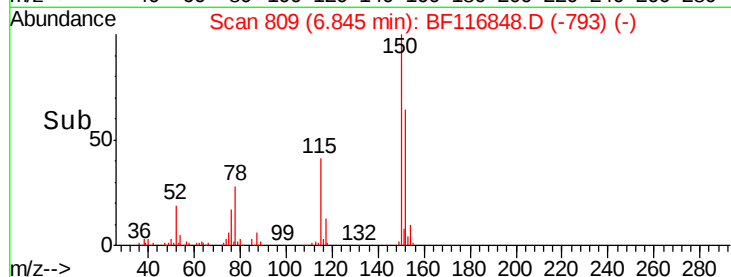
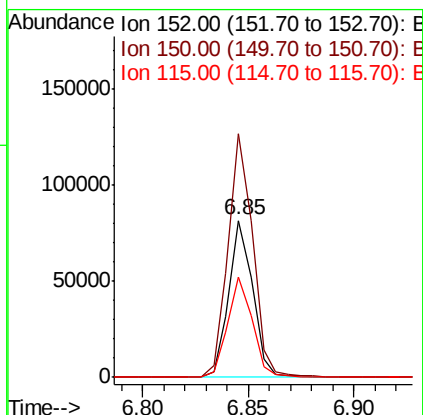
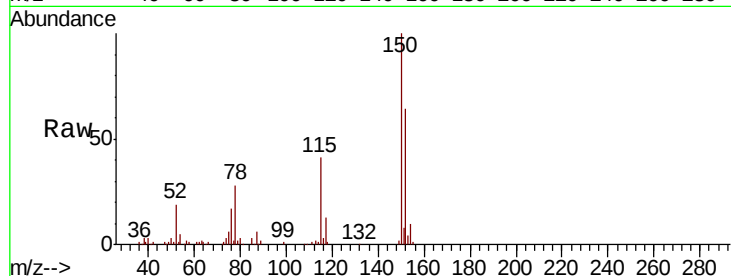


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116848.D
Acq: 5 Sep 2019 19:48

Instrument :
BNA_F
ClientSampleId :

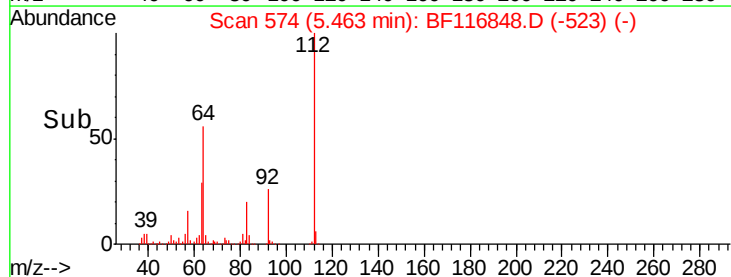
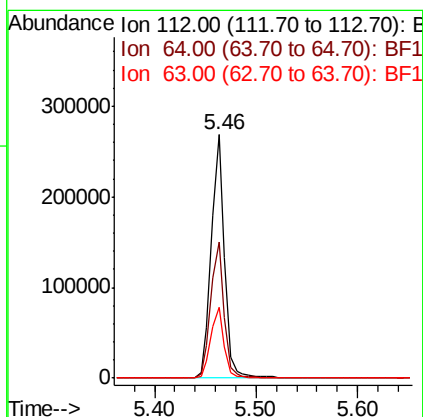
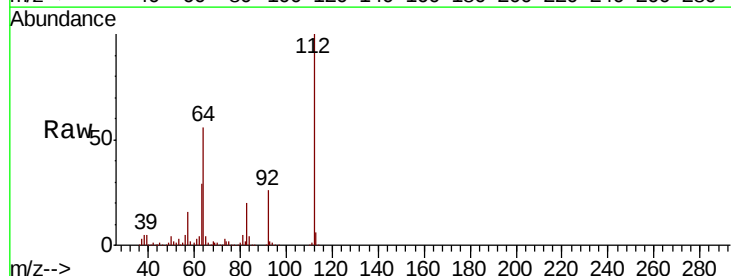
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.4	186.6
115	63.9	49.9	74.9



#5

2-Fluorophenol
Concen: 61.854 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116848.D
Acq: 5 Sep 2019 19:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.1	70.7
63	29.2	24.9	37.3





#7

Phenol-d6

Concen: 66.350 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116848.D

Acq: 5 Sep 2019 19:48

Instrument :

BNA_F

ClientSampleId :

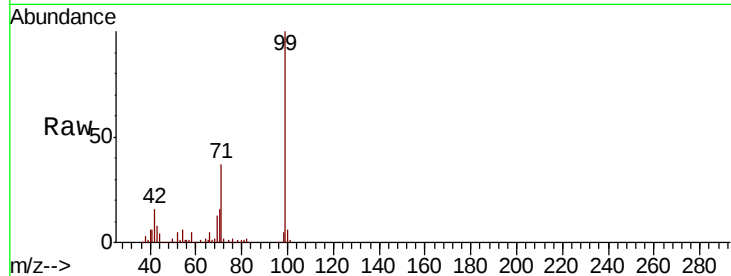
Tot Ion: 99 Resp: 345144

Ion Ratio Lower Upper

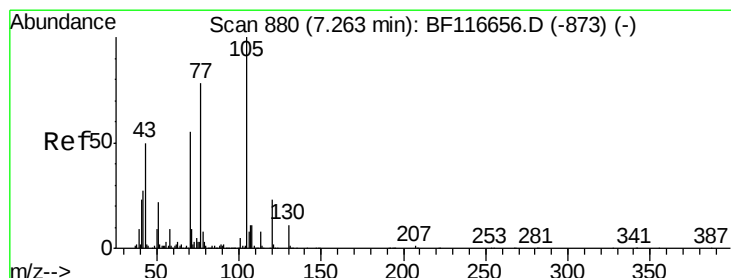
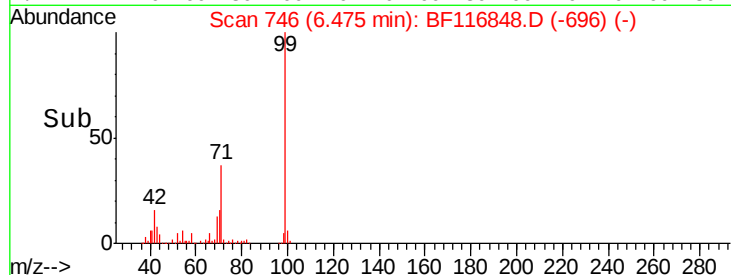
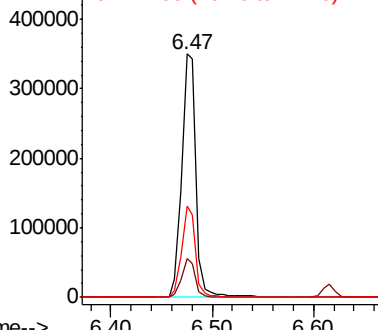
99 100

42 15.8 13.7 20.5

71 37.4 30.8 46.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 7.663 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116848.D

Acq: 5 Sep 2019 19:48

Tgt Ion: 70 Resp: 26247

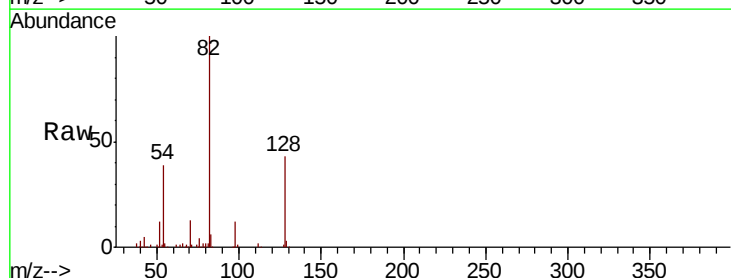
Ion Ratio Lower Upper

70 100

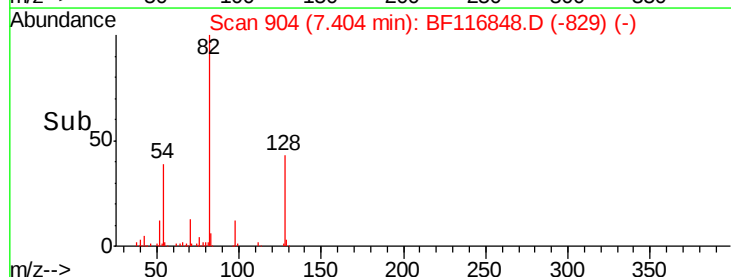
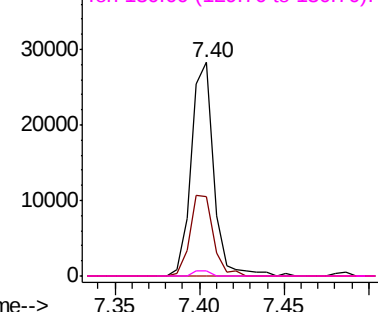
42 37.4 43.5 65.3#

101 0.0 7.8 11.6#

130 2.2 16.6 24.8#



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): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116848.D

Acq: 5 Sep 2019 19:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 266904

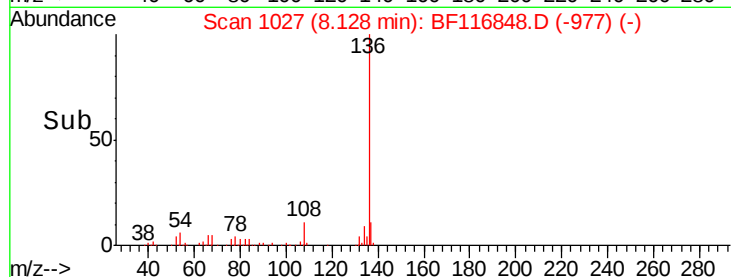
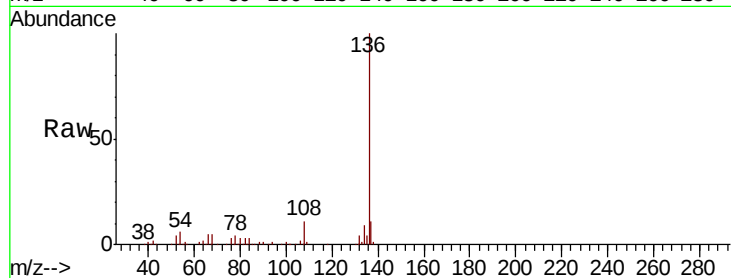
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 5.7 4.8 7.2

68 5.0 4.0 6.0

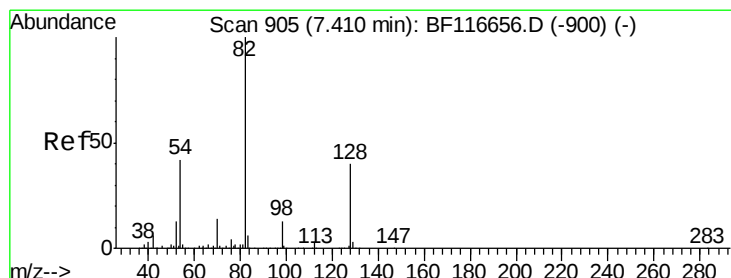
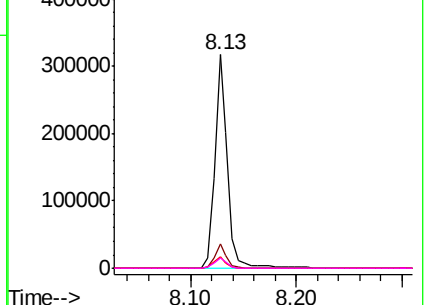


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 43.227 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116848.D

Acq: 5 Sep 2019 19:48

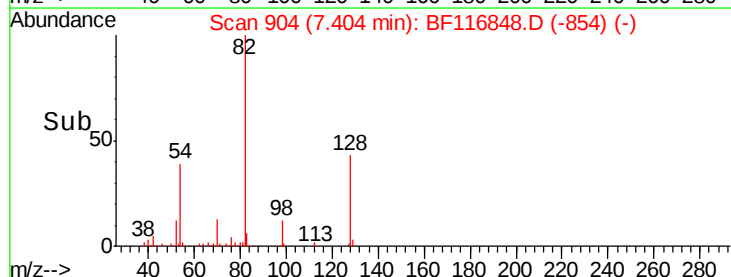
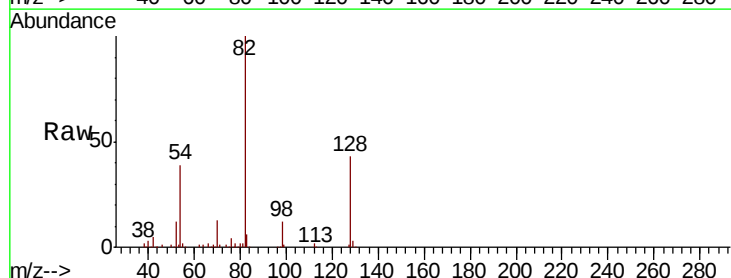
Tgt Ion: 82 Resp: 202100

Ion Ratio Lower Upper

82 100

128 42.8 32.8 49.2

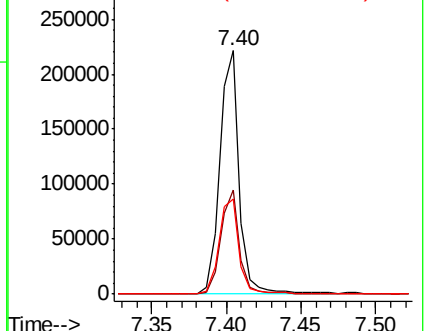
54 39.3 36.9 55.3

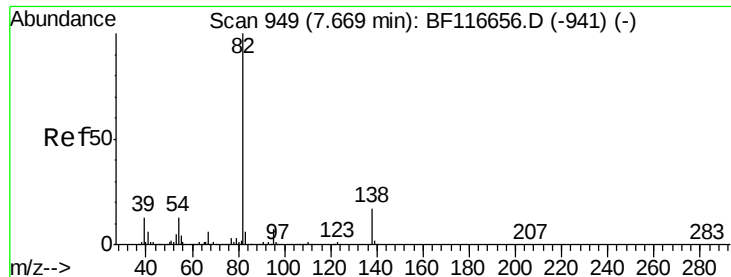


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 21.336 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116848.D

Acq: 5 Sep 2019 19:48

Instrument :

BNA_F

ClientSampled :

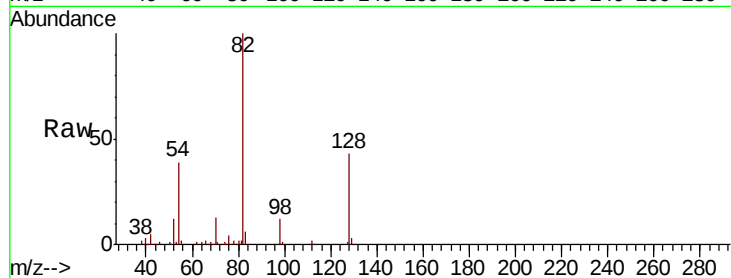
Tot Ion: 82 Resp: 202131

Ion Ratio Lower Upper

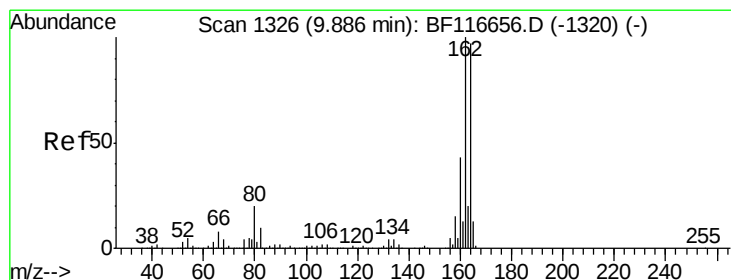
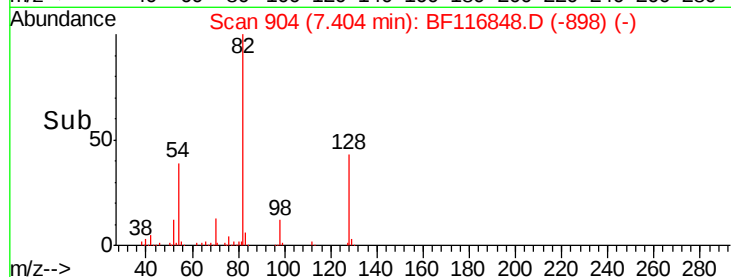
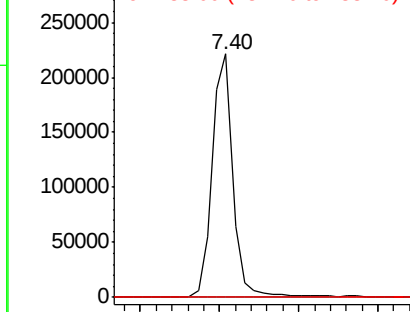
82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116848.D

Acq: 5 Sep 2019 19:48

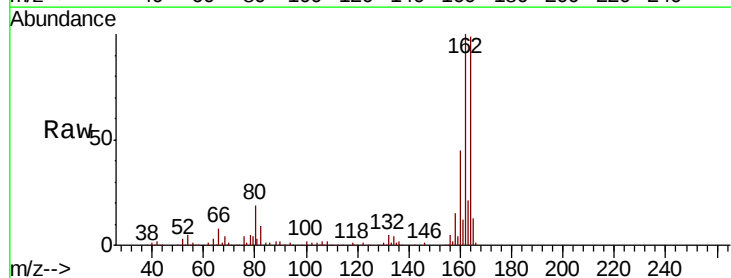
Tgt Ion:164 Resp: 136846

Ion Ratio Lower Upper

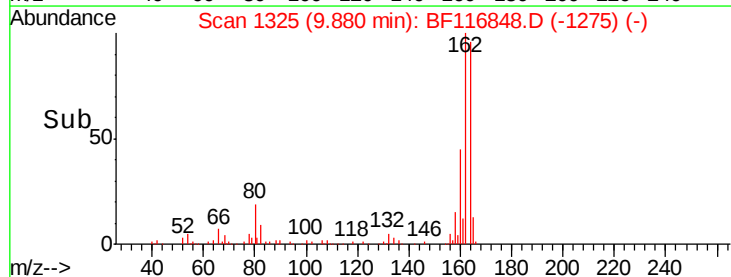
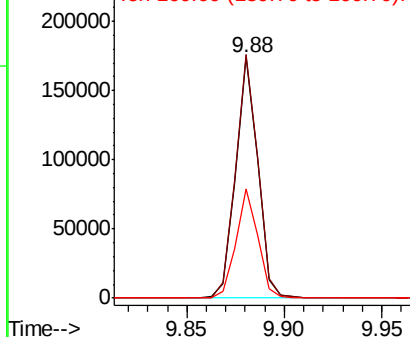
164 100

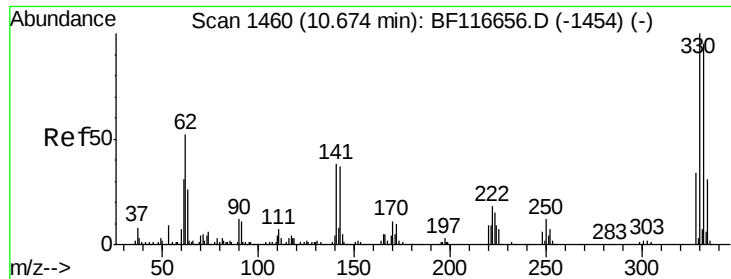
162 101.2 81.4 122.0

160 45.2 35.4 53.2



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: 68.552 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116848.D

Acq: 5 Sep 2019 19:48

Instrument :

BNA_F

ClientSampled :

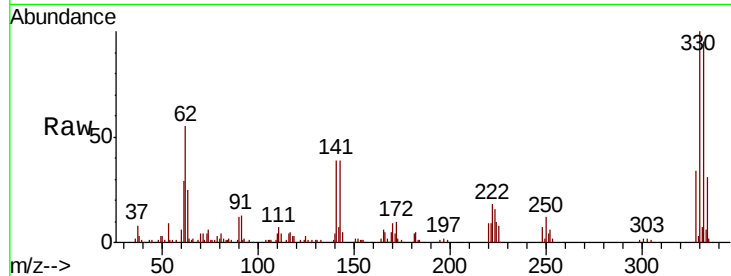
Tot Ion:330 Resp: 62714

Ion Ratio Lower Upper

330 100

332 96.2 76.9 115.3

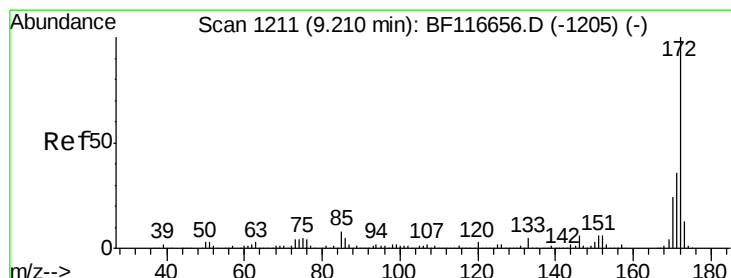
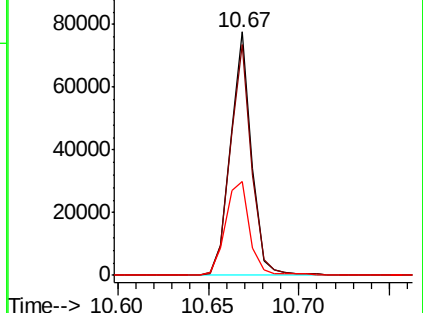
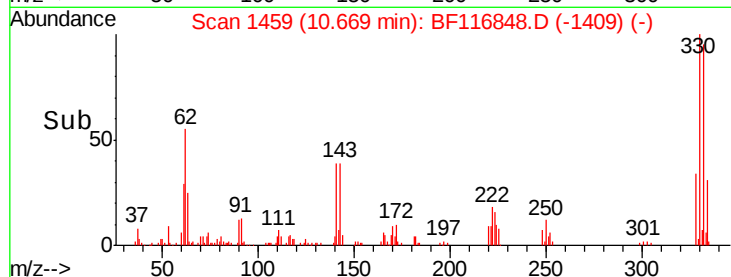
141 44.7 31.4 47.2



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: 49.272 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF116848.D

Acq: 5 Sep 2019 19:48

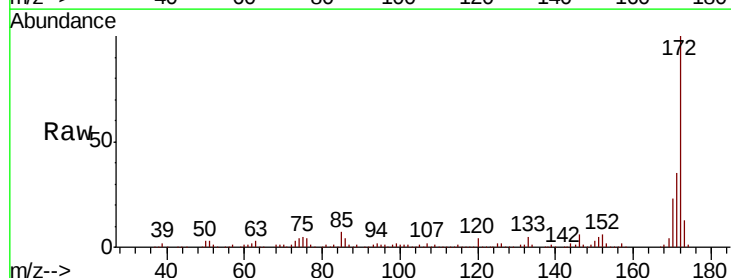
Tgt Ion:172 Resp: 399712

Ion Ratio Lower Upper

172 100

171 35.2 27.8 41.6

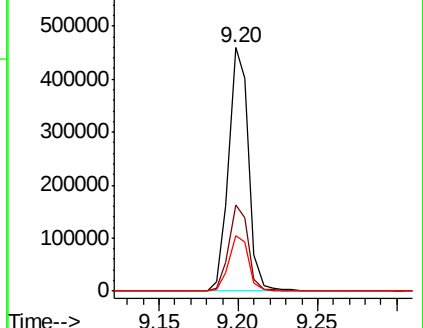
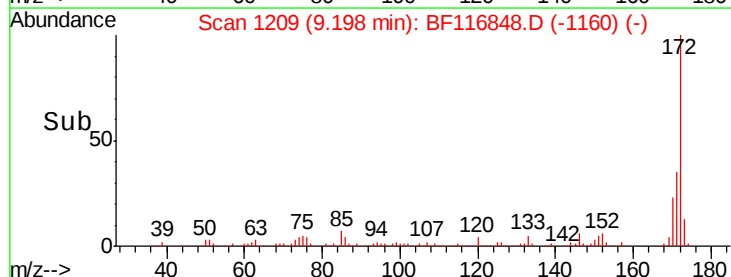
170 22.8 18.9 28.3

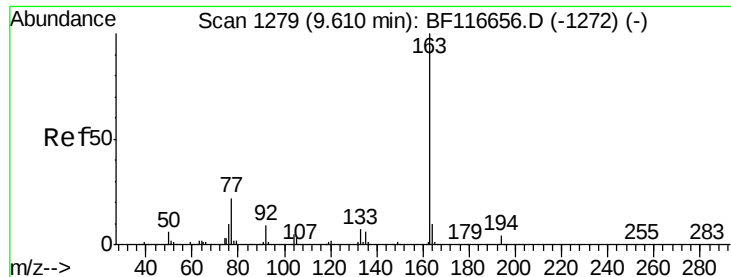


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.719 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116848.D

Acq: 5 Sep 2019 19:48

Instrument :

BNA_F

ClientSampleId :

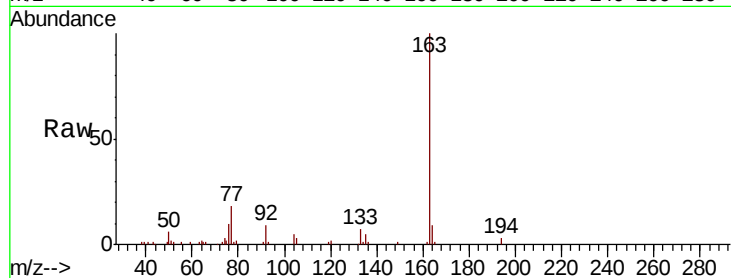
Tot Ion:163 Resp: 54036

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

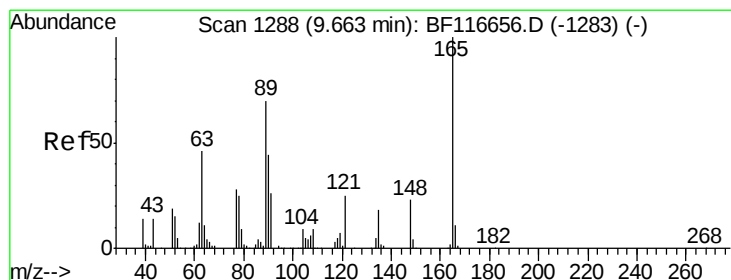
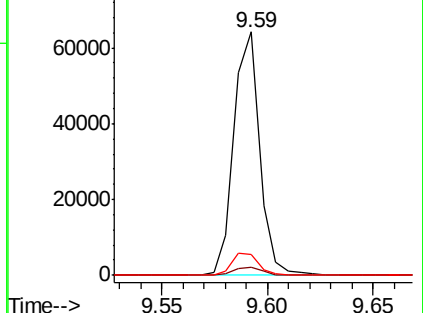
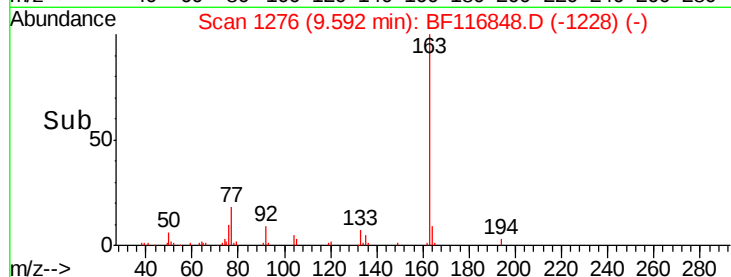
164 8.7 8.6 12.8



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: 10.026 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.22 min

Lab File: BF116848.D

Acq: 5 Sep 2019 19:48

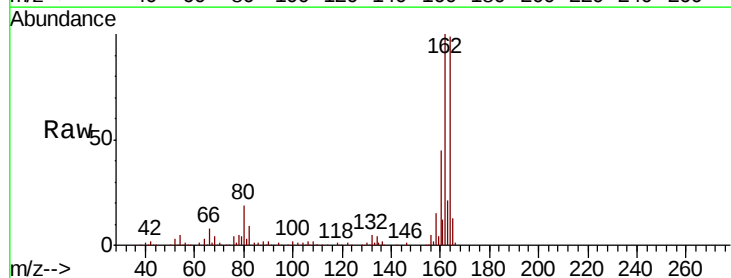
Tgt Ion:165 Resp: 18073

Ion Ratio Lower Upper

165 100

63 0.0 47.3 70.9#

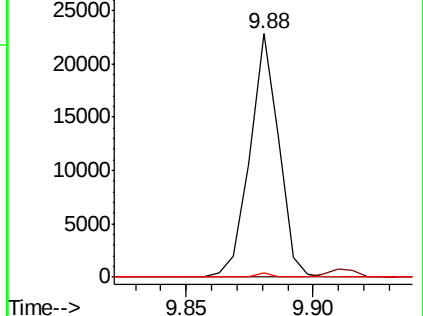
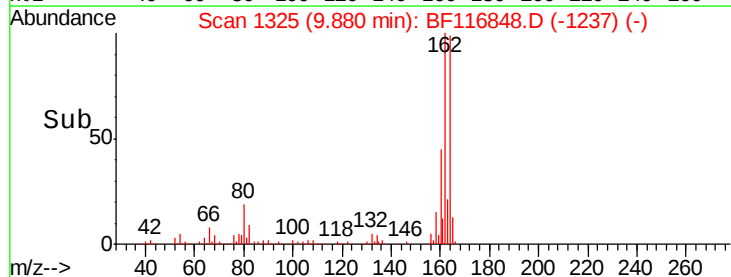
89 1.6 52.5 78.7#



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

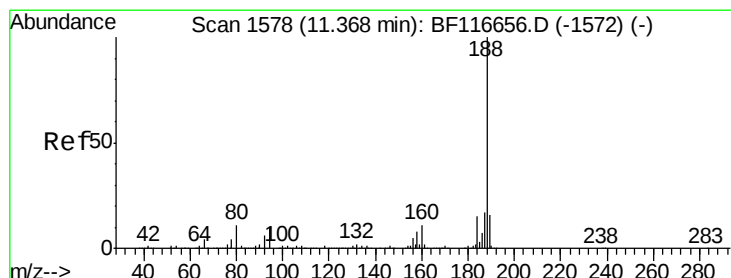
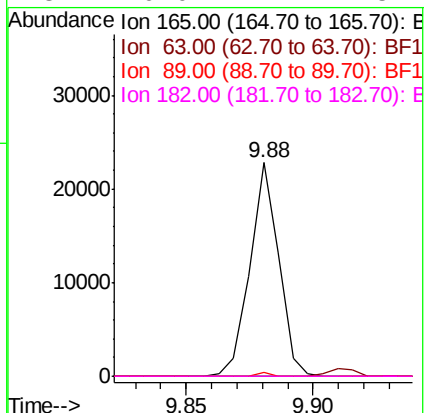
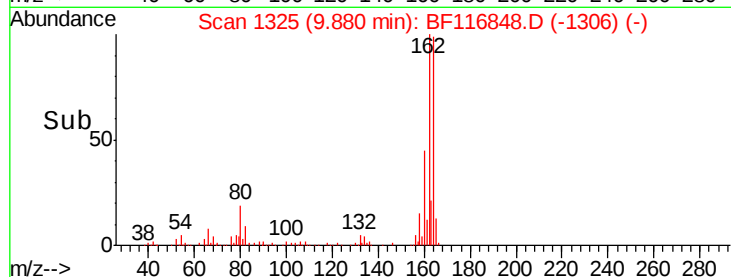
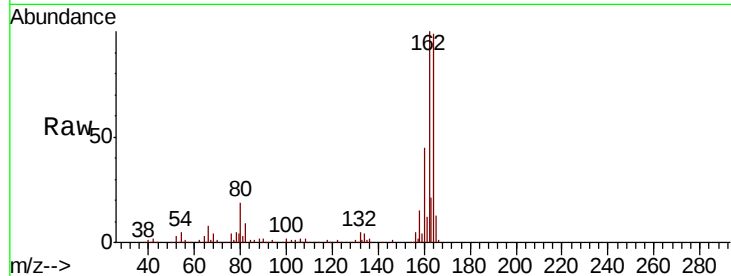




#57
 2,4-Dinitrotoluene
 Concen: 8.200 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116848.D
 Acq: 5 Sep 2019 19:48

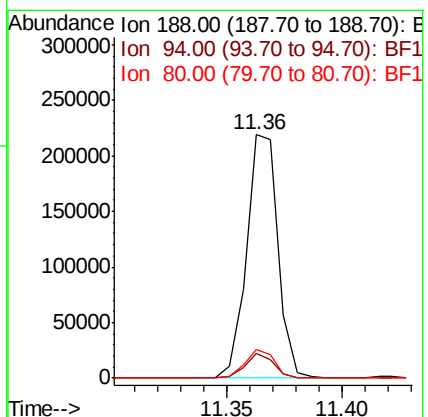
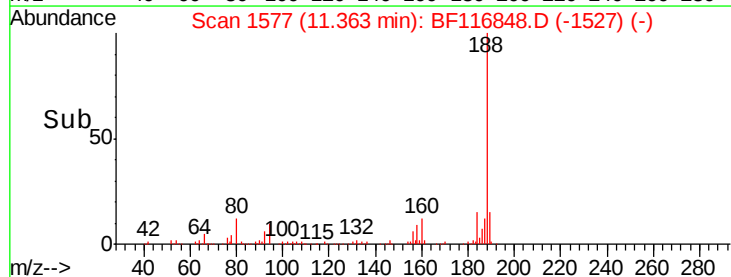
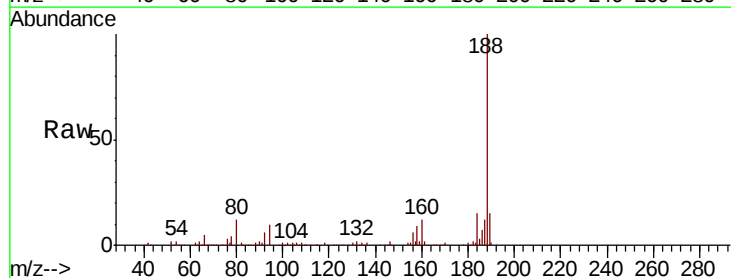
Instrument :
 BNA_F
 ClientSampleId :

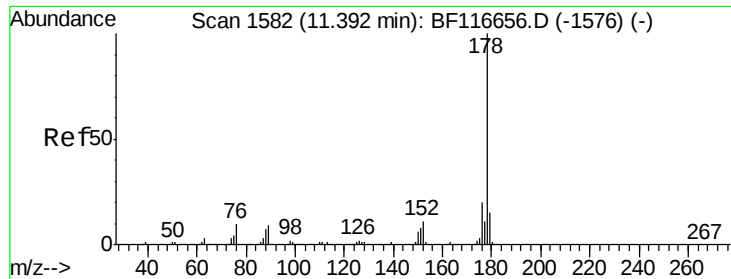
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.6	62.6	94.0#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116848.D
 Acq: 5 Sep 2019 19:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.3	10.9
80	11.6	8.4	12.6





#71

Phenanthrene

Concen: 19.237 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116848.D

Acq: 5 Sep 2019 19:48

Instrument :

BNA_F

ClientSampleId :

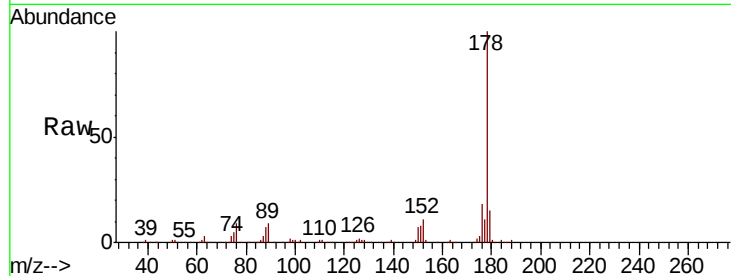
Tot Ion:178 Resp: 222109

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

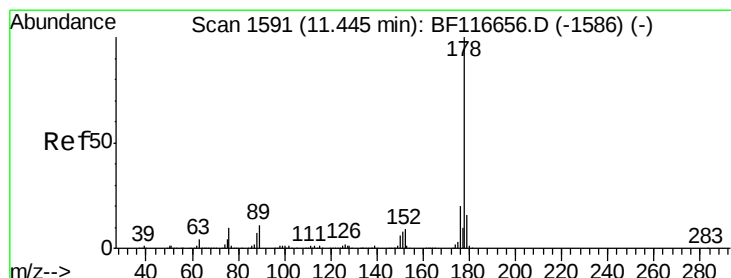
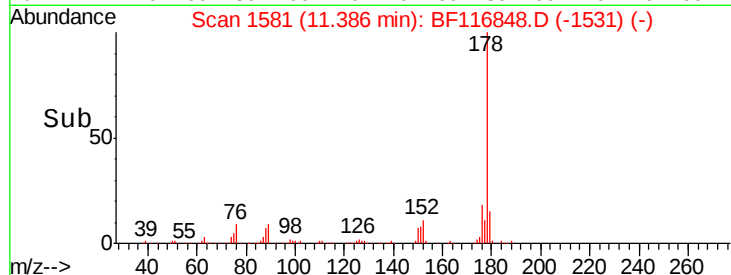
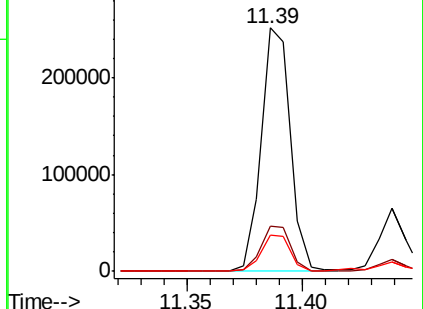
179 15.0 12.2 18.2



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



#72

Anthracene

Concen: 4.282 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BF116848.D

Acq: 5 Sep 2019 19:48

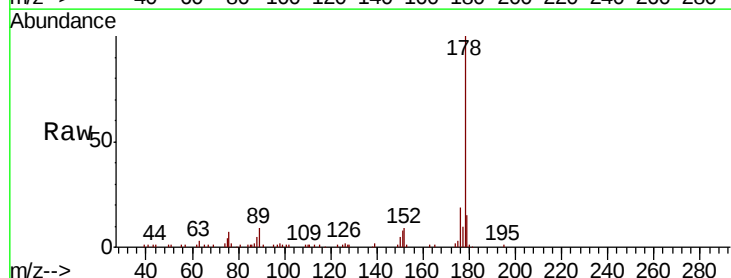
Tgt Ion:178 Resp: 49767

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

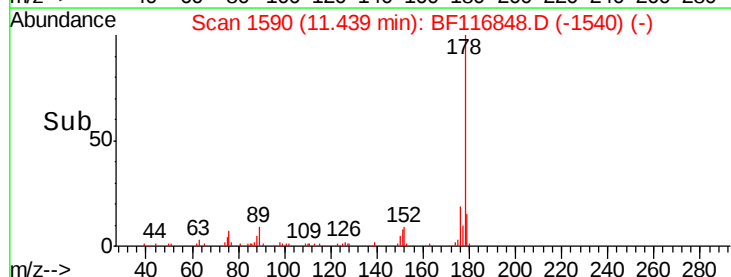
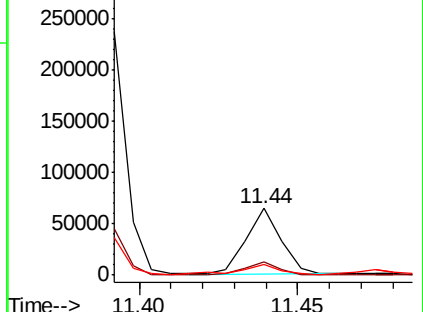
179 15.2 12.5 18.7

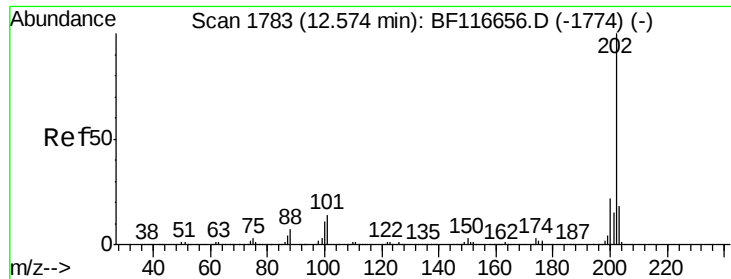


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 32.070 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF116848.D

Acq: 5 Sep 2019 19:48

Instrument :

BNA_F

ClientSampled :

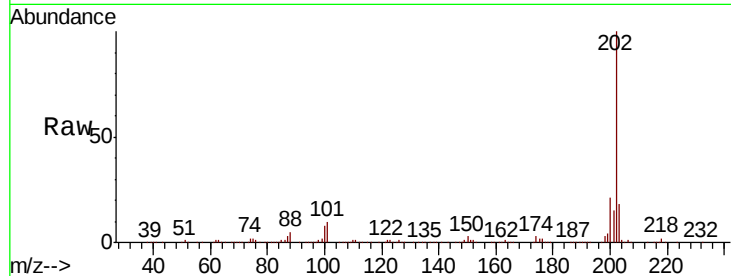
Tot Ion:202 Resp: 363899

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.3

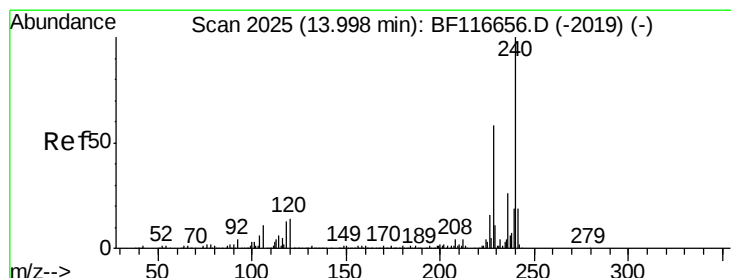
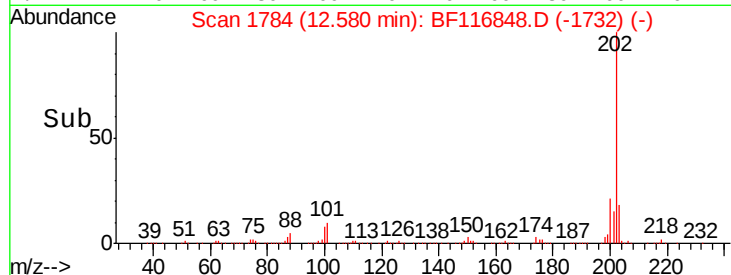
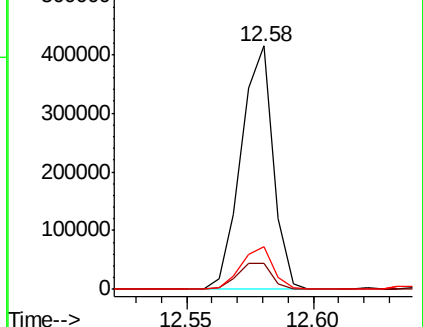
203 17.6 0.0 37.6



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: BF116848.D

Acq: 5 Sep 2019 19:48

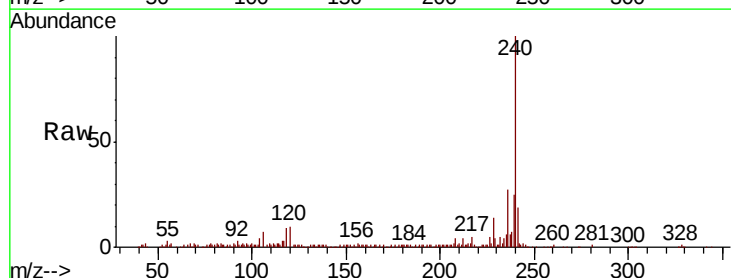
Tgt Ion:240 Resp: 154836

Ion Ratio Lower Upper

240 100

120 10.2 9.1 13.7

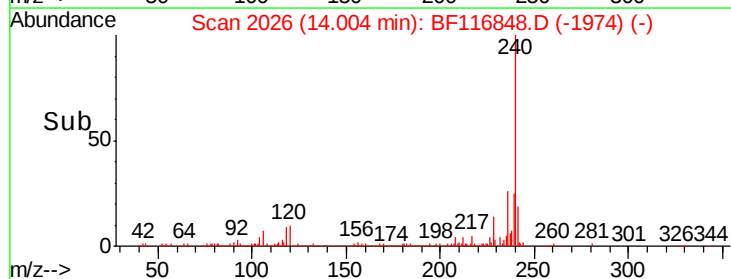
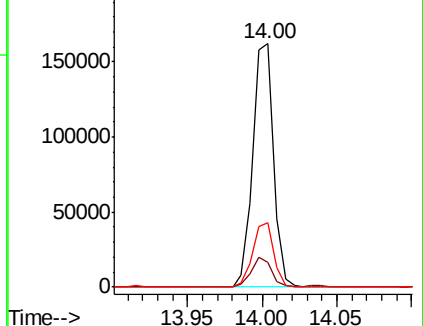
236 26.7 21.1 31.7

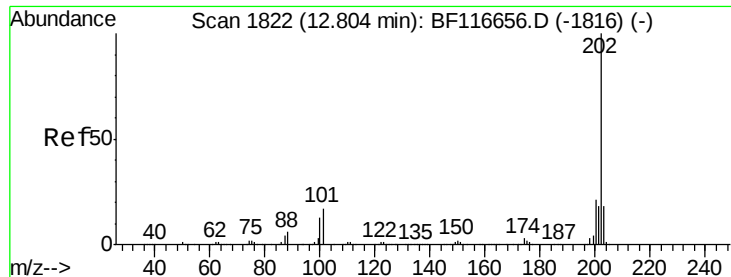


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

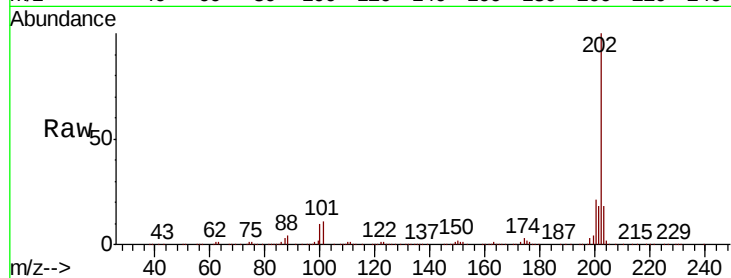




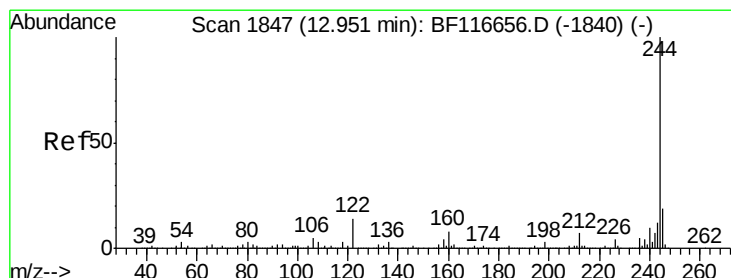
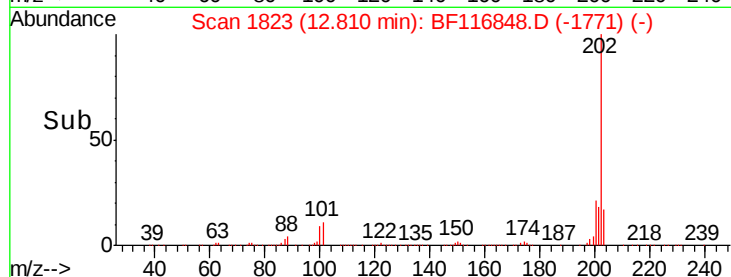
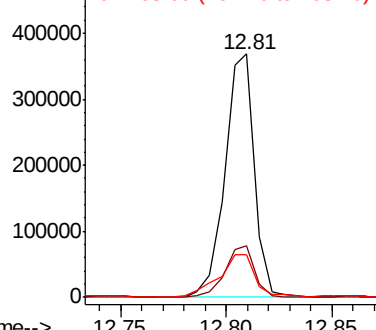
#78
Pvrene
Concen: 25.833 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF116848.D
Acq: 5 Sep 2019 19:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 355559
Ion Ratio Lower Upper
202 100
200 21.4 16.5 24.7
203 17.5 13.7 20.5

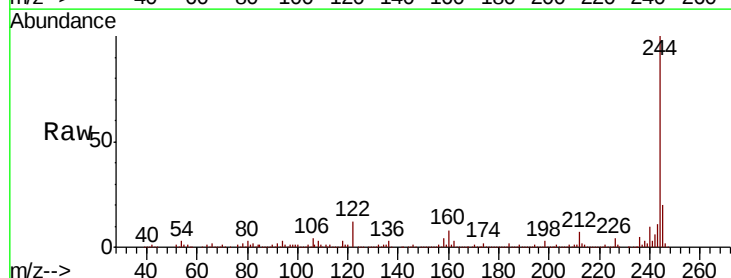


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

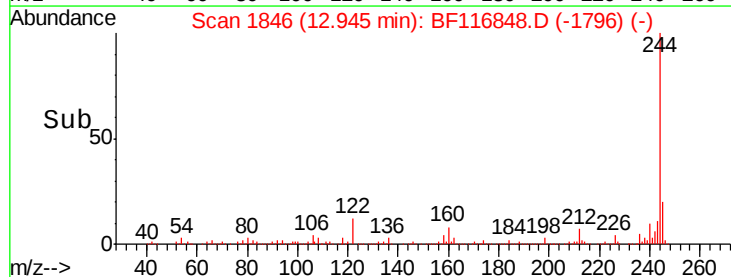
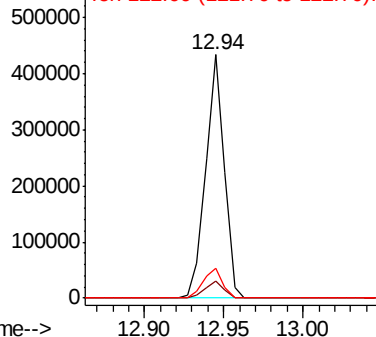


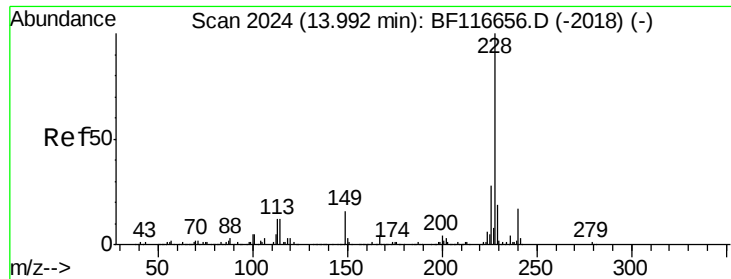
#79
Terphenyl-d14
Concen: 42.013 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116848.D
Acq: 5 Sep 2019 19:48

Tgt Ion:244 Resp: 351642
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 12.1 10.2 15.4



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

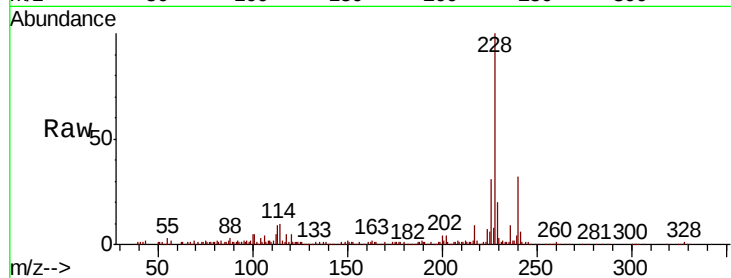




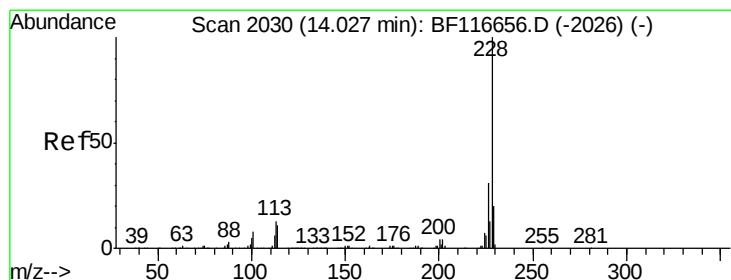
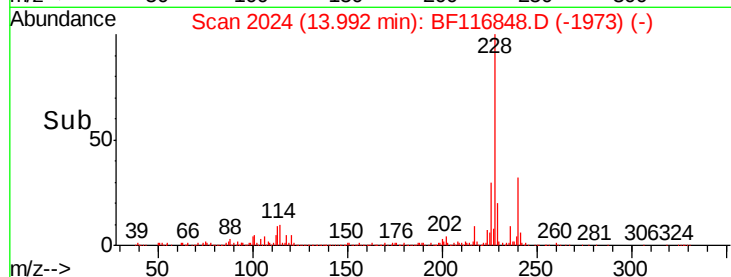
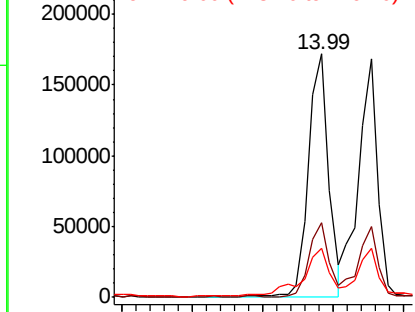
#81
Benzo(a)anthracene
Concen: 17.583 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF116848.D
Acq: 5 Sep 2019 19:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 172303
Ion Ratio Lower Upper
228 100
226 30.5 22.0 33.0
229 20.3 16.4 24.6

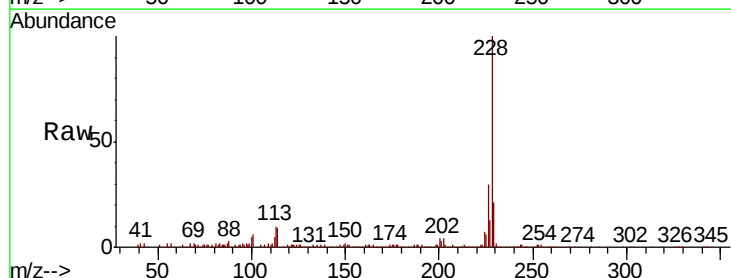


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

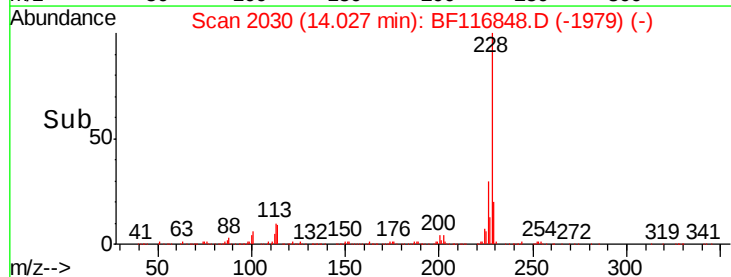
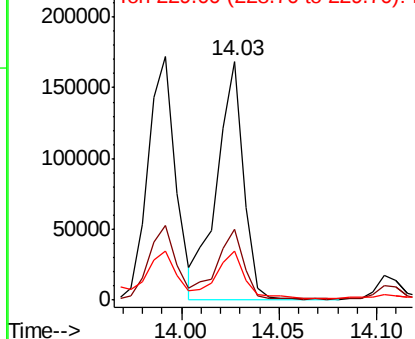


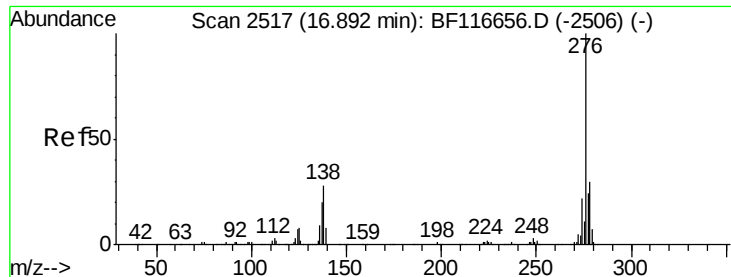
#83
Chrysene
Concen: 15.829 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF116848.D
Acq: 5 Sep 2019 19:48

Tgt Ion:228 Resp: 159812
Ion Ratio Lower Upper
228 100
226 29.8 24.0 36.0
229 20.7 15.4 23.0



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

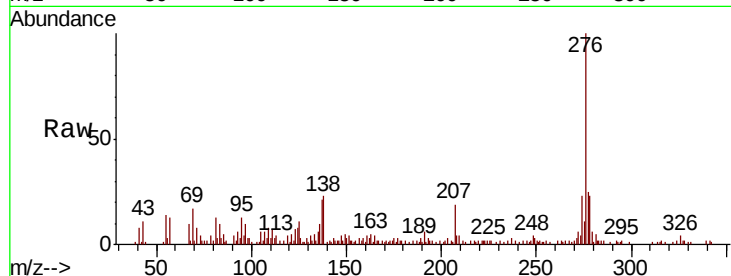




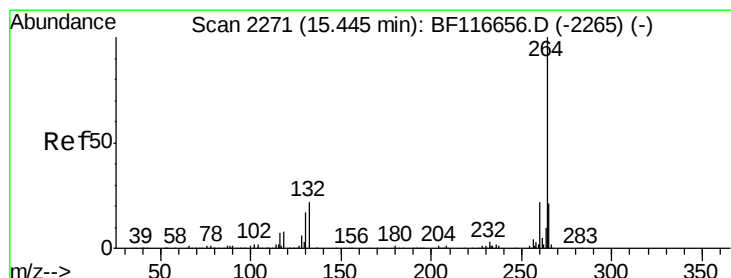
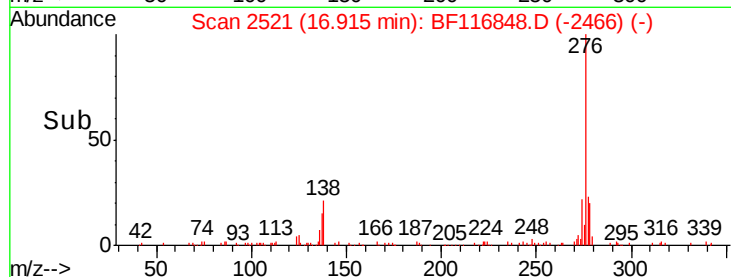
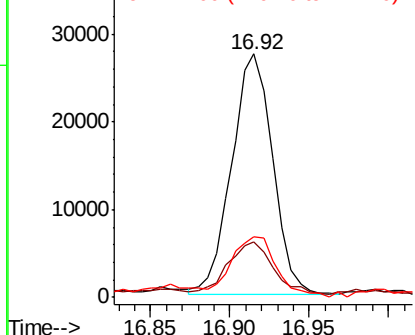
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.067 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.02 min
Lab File: BF116848.D
Acq: 5 Sep 2019 19:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.4	19.4	29.2
277	27.6	20.5	30.7

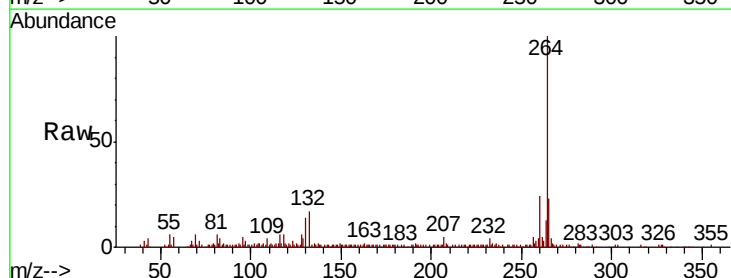


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

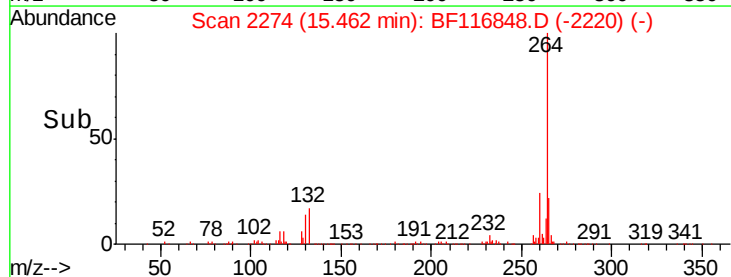
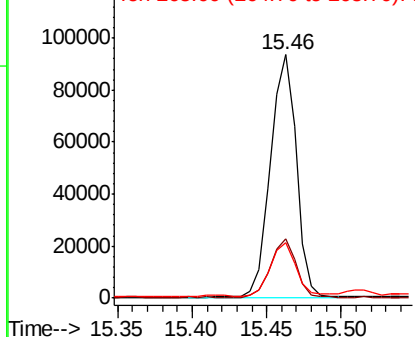


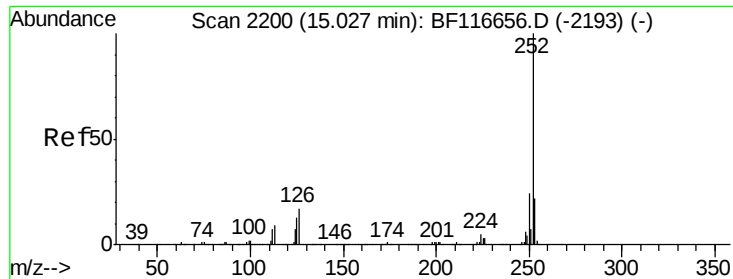
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.02 min
Lab File: BF116848.D
Acq: 5 Sep 2019 19:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.3	27.5
265	22.9	16.5	24.7



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

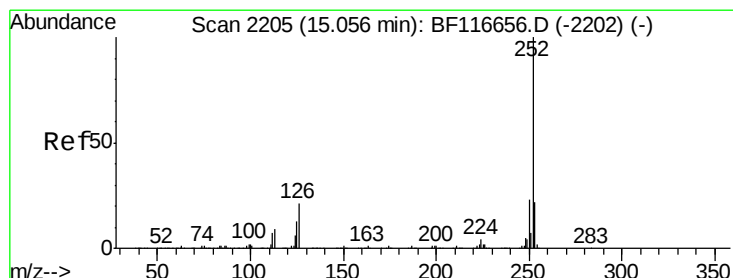
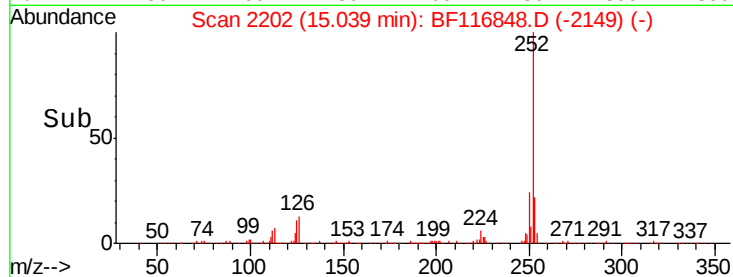
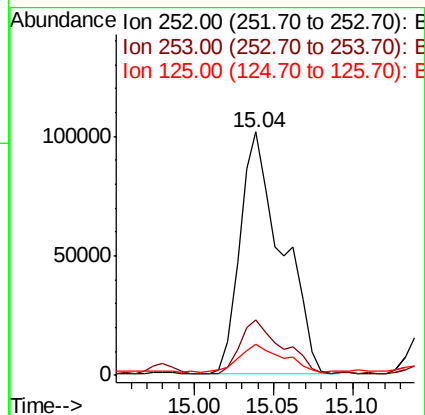
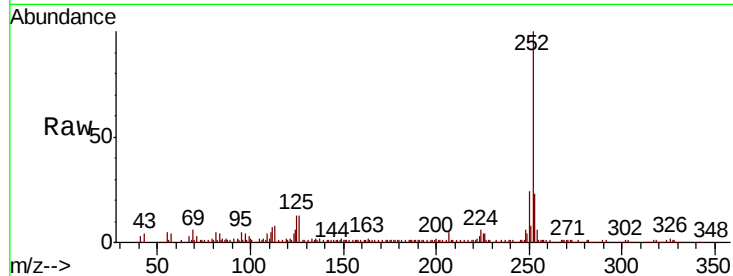




#88
Benzo(b)fluoranthene
Concen: 26.818 ng
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF116848.D
Acq: 5 Sep 2019 19:48

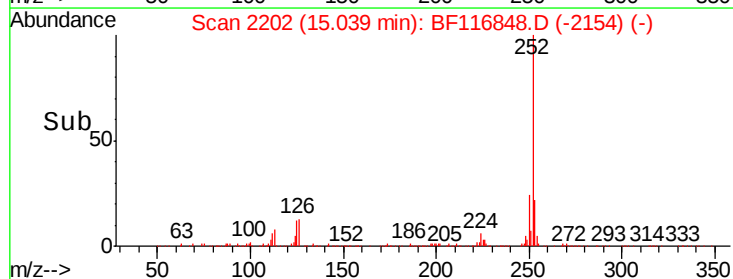
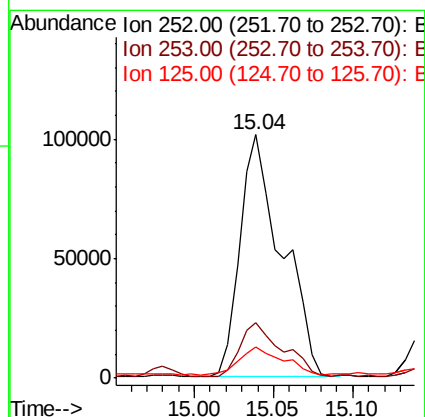
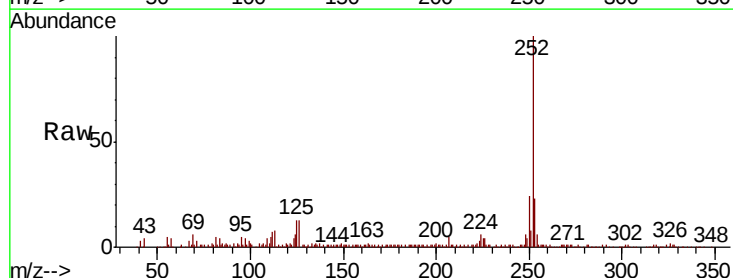
Instrument :
BNA_F
ClientSampled :

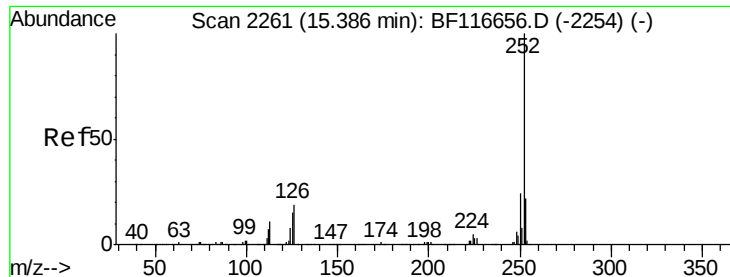
Tot Ion:252 Resp: 185413
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 13.0 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 29.413 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF116848.D
Acq: 5 Sep 2019 19:48

Tgt Ion:252 Resp: 185413
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 13.0 8.6 13.0#

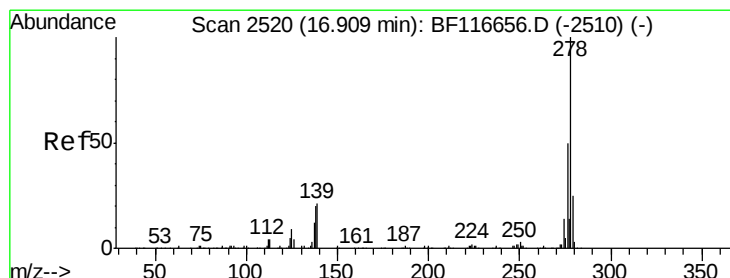
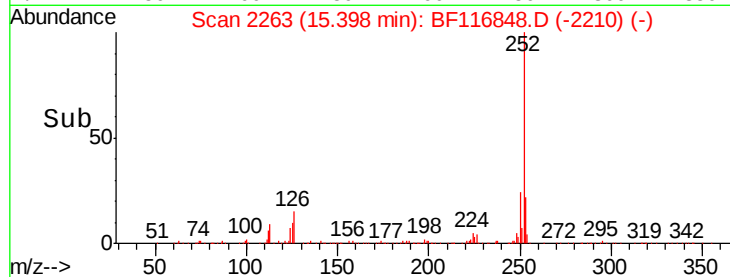
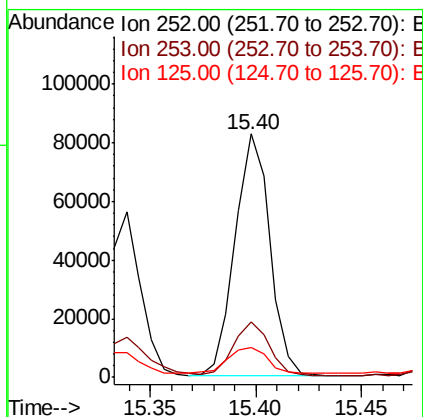
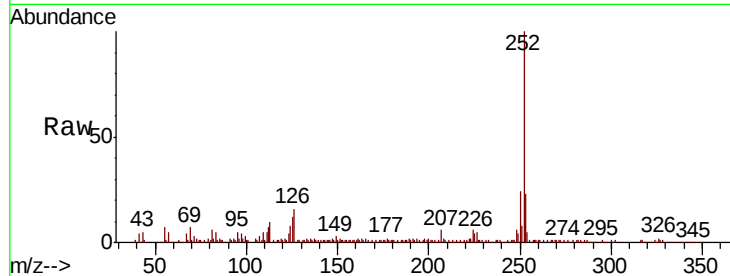




#90
Benzo(a)pyrene
Concen: 15.707 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF116848.D
Acq: 5 Sep 2019 19:48

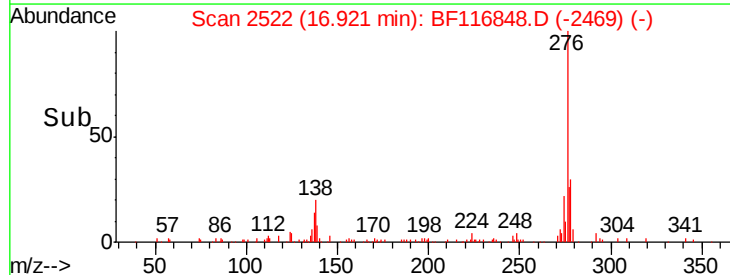
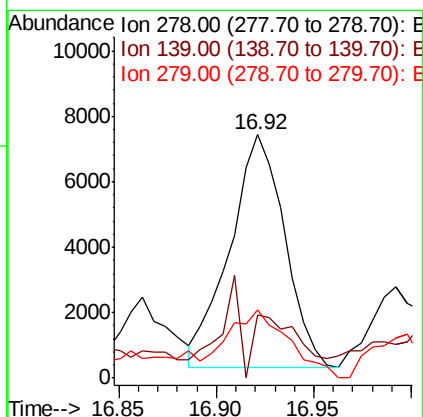
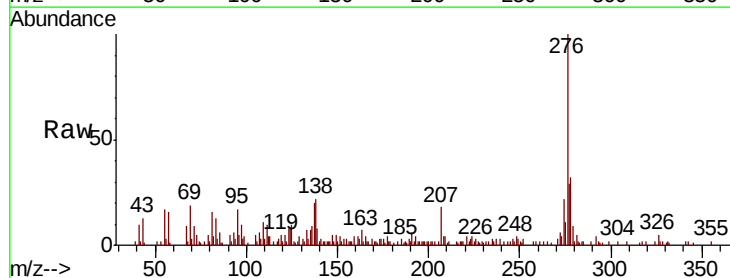
Instrument :
BNA_F
ClientSampleId :

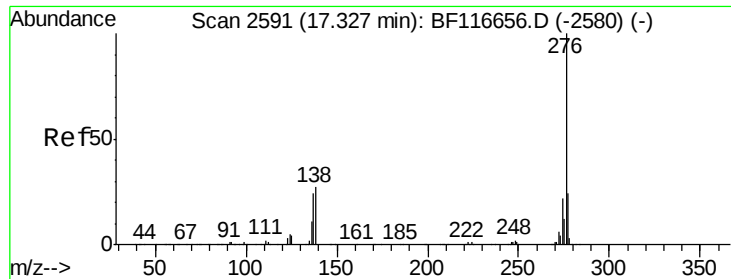
Tot Ion:252 Resp: 94479
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 12.0 9.8 14.8



#91
Dibenzo(a,h)anthracene
Concen: 2.640 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.01 min
Lab File: BF116848.D
Acq: 5 Sep 2019 19:48

Tgt Ion:278 Resp: 13902
Ion Ratio Lower Upper
278 100
139 26.1 12.4 18.6#
279 28.0 18.2 27.4#





#92
 Benzo(a,h,i)perylene
 Concen: 9.119 ng
 RT: 17.36 min Scan# 2596
 Delta R.T. 0.03 min
 Lab File: BF116848.D
 Acq: 5 Sep 2019 19:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	28.6	18.5	27.7#	
138	22.8	16.2	24.2	

