

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
 Data File : BF117748.D
 Acq On : 8 Nov 2019 22:58
 Operator : JU
 Sample : K5722-05DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 5-ADL

Quant Time: Nov 11 02:47:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:27:10 2019
 Response via : Initial Calibration

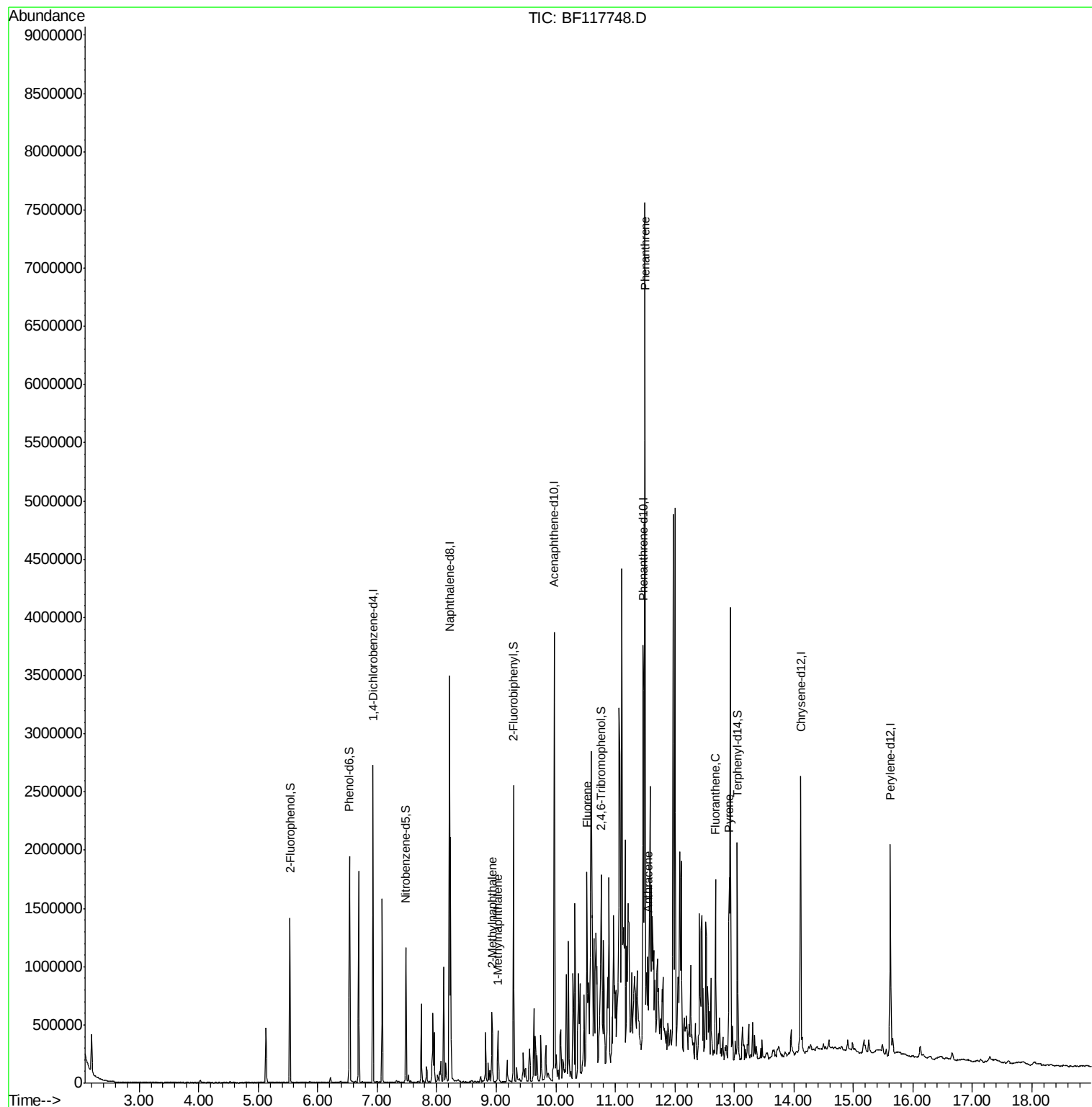
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	357371	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	1527883	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	764489	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	1298758	20.00	ng	0.00
76) Chrysene-d12	14.12	240	740746	20.00	ng	-0.01
87) Perylene-d12	15.62	264	841534	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	386254	19.56	ng	-0.01
7) Phenol-d6	6.53	99	596720	24.51	ng	-0.02
23) Nitrobenzene-d5	7.48	82	340035	13.14	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	95483	12.77	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	701160	18.10	ng	-0.01
79) Terphenyl-d14	13.06	244	630645	17.53	ng	-0.01
Target Compounds						
37) 2-Methylnaphthalene	8.93	142	129178	2.717	ng	99
38) 1-Methylnaphthalene	9.03	142	100109	2.217	ng	99
58) Fluorene	10.53	166	414530	9.627	ng	99
71) Phenanthrene	11.50	178	2618802	42.068	ng	99
72) Anthracene	11.55	178	212148	3.425	ng	97
75) Fluoranthene	12.69	202	439264	6.911	ng	96
78) Pyrene	12.92	202	594509	10.994	ng	95

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

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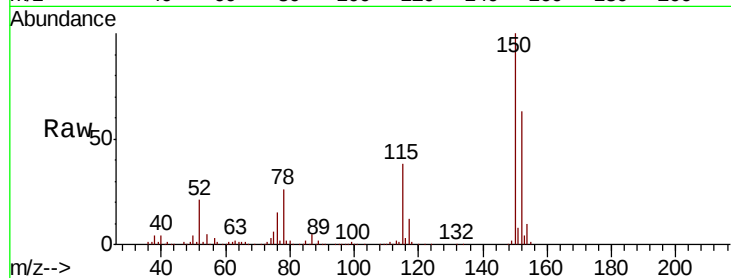


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF117748.D
Acq: 8 Nov 2019 22:58

Instrument :
BNA_F
ClientSampleId :
5-ADL

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	121.4	182.2
115	61.1	46.7	70.1

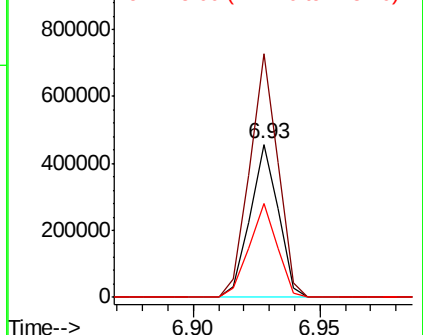
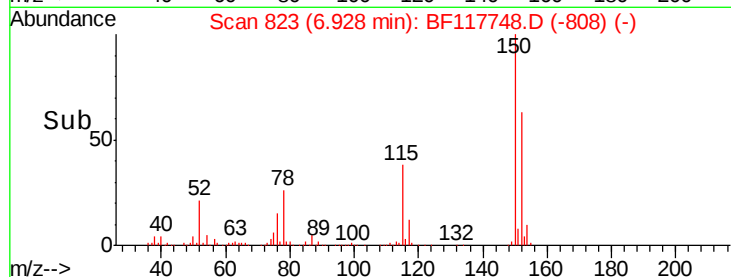


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

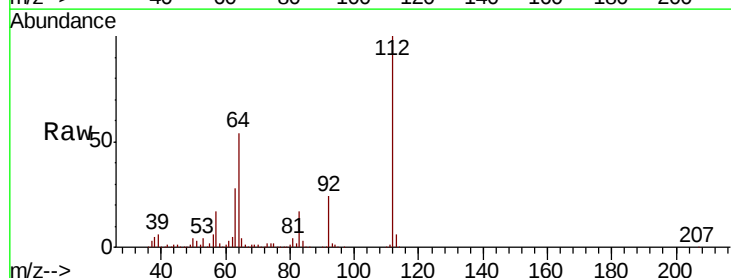
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 19.565 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF117748.D
Acq: 8 Nov 2019 22:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	46.4	69.6
63	28.1	24.6	37.0

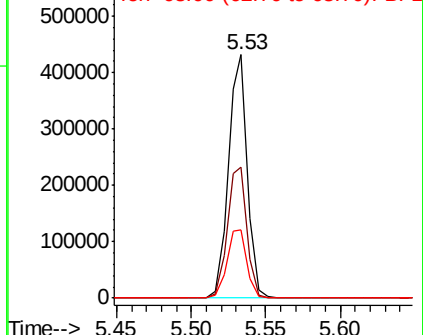
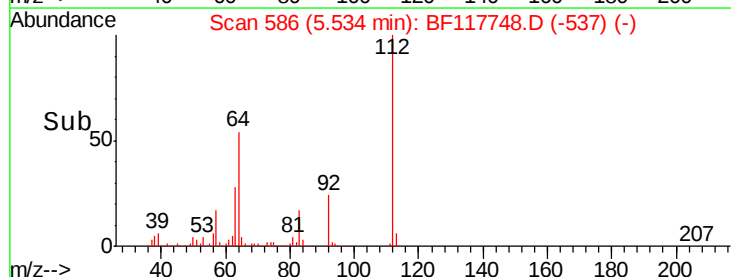


Abundance

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: 24.513 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.02 min

Lab File: BF117748.D

Acq: 8 Nov 2019 22:58

Instrument :

BNA_F

ClientSampleId :

5-ADL

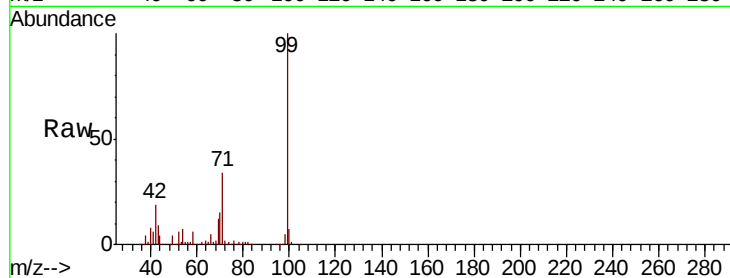
Tot Ion: 99 Resp: 596720

Ion Ratio Lower Upper

99 100

42 19.0 15.3 22.9

71 33.5 26.8 40.2



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

800000

600000

400000

200000

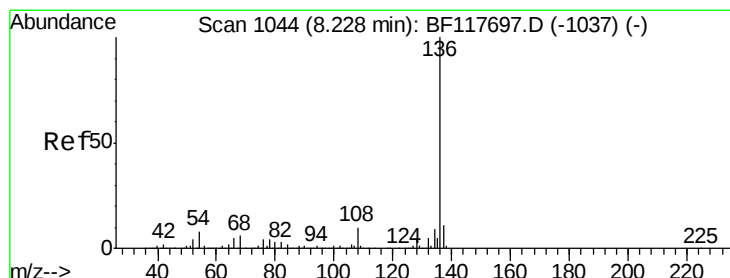
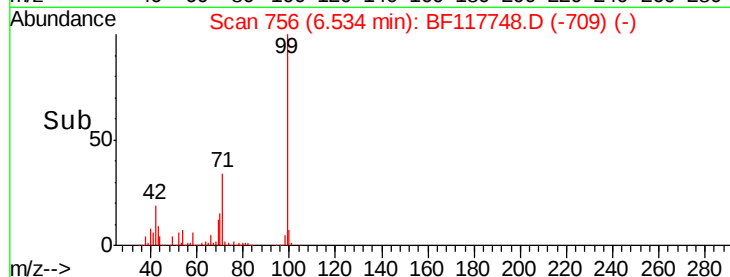
0

6.53

6.50

6.60

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF117748.D

Acq: 8 Nov 2019 22:58

Tgt Ion: 136 Resp: 1527883

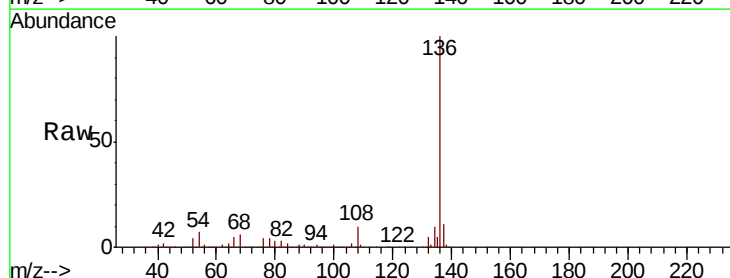
Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 7.5 6.0 9.0

68 5.8 4.8 7.2



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

2500000

2000000

1500000

1000000

500000

0

8.22

8.15

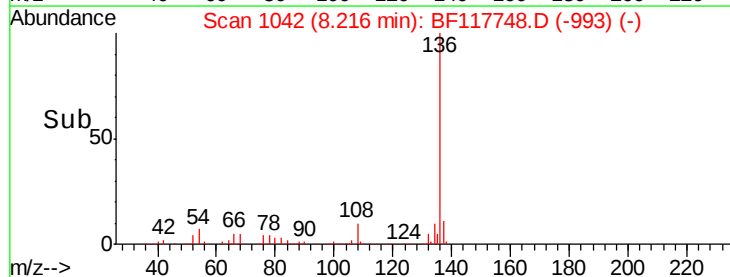
8.20

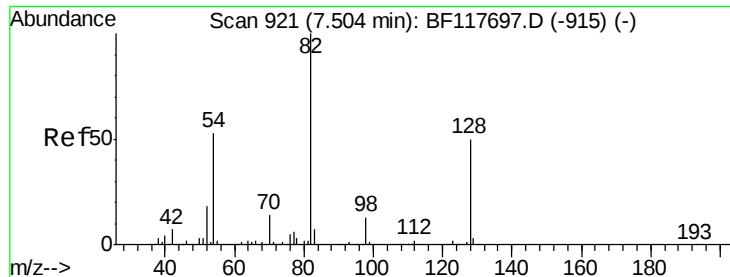
8.25

8.30

8.35

Time-->

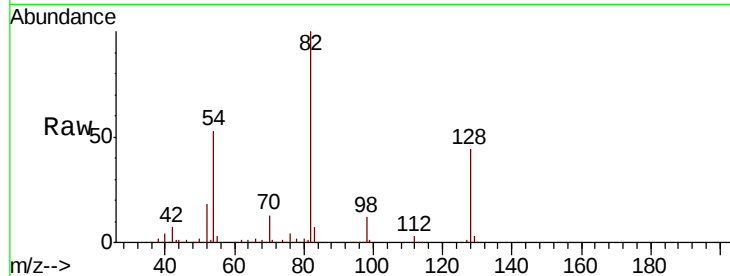




#23
 Nitrobenzene-d5
 Concen: 13.139 ng
 RT: 7.48 min Scan# 917
 Delta R.T. -0.02 min
 Lab File: BF117748.D
 Acq: 8 Nov 2019 22:58

Instrument :
 BNA_F
 ClientSampled :
 5-ADL

Tot Ion	82	Resp	340035
Ion Ratio	Lower	Upper	
82	100		
128	44.2	40.2	60.2
54	53.0	42.0	63.0

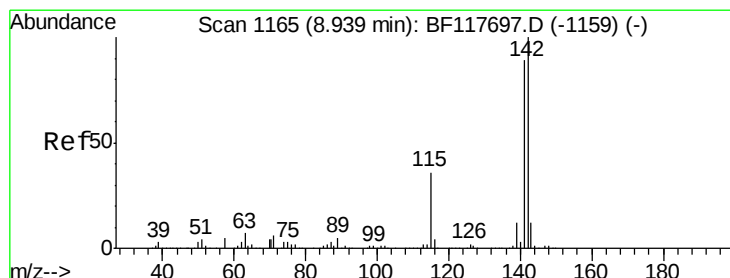
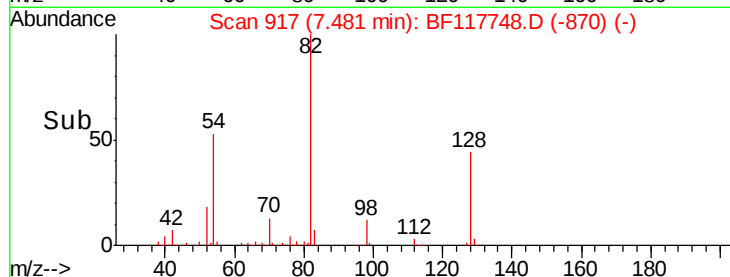
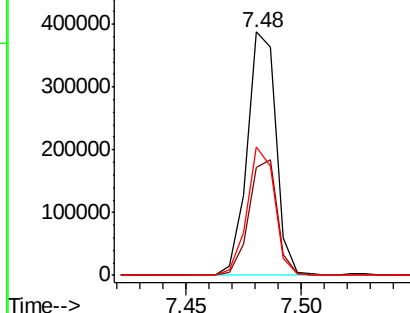


Abundance

Ion 82.00 (81.70 to 82.70): BF1

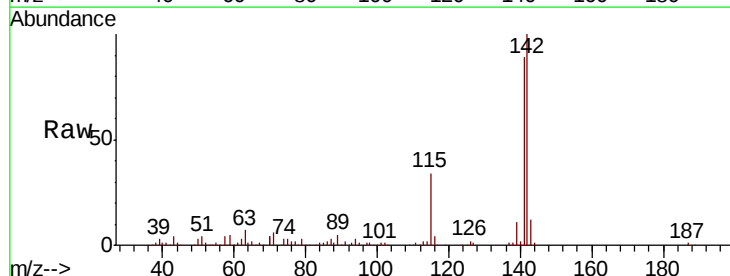
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#37
 2-Methylnaphthalene
 Concen: 2.717 ng
 RT: 8.93 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: BF117748.D
 Acq: 8 Nov 2019 22:58

Tgt Ion	142	Resp	129178
Ion Ratio	Lower	Upper	
142	100		
141	88.9	71.5	107.3
115	34.1	28.9	43.3

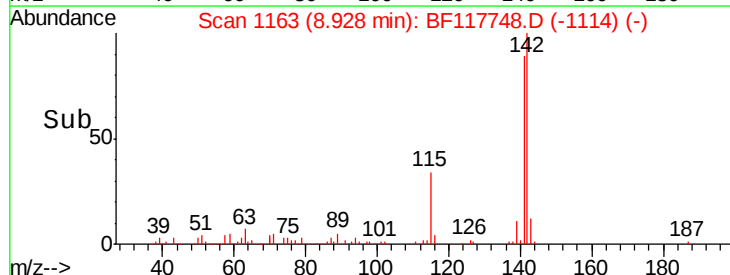
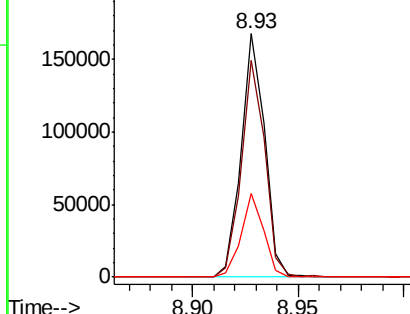


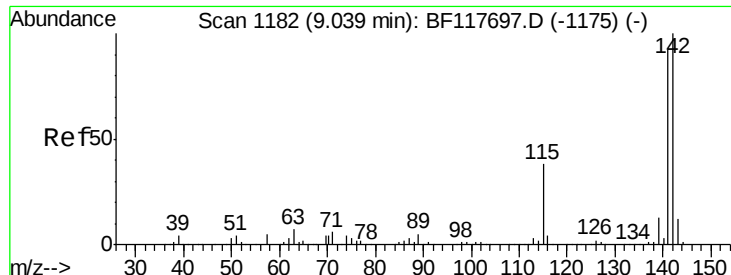
Abundance

Ion 142.00 (141.70 to 142.70): BF1

Ion 141.00 (140.70 to 141.70): BF1

Ion 115.00 (114.70 to 115.70): BF1

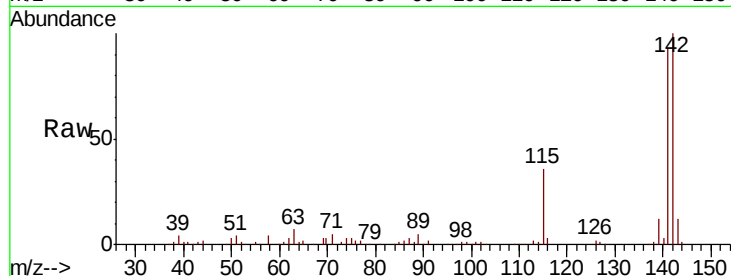




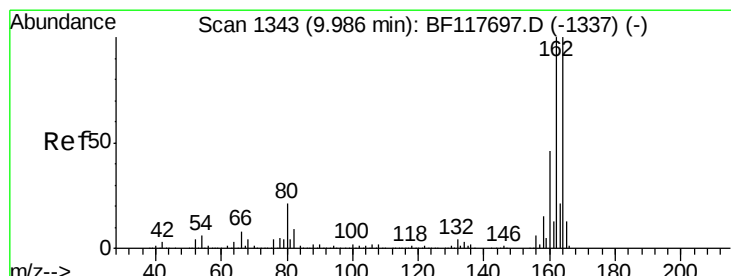
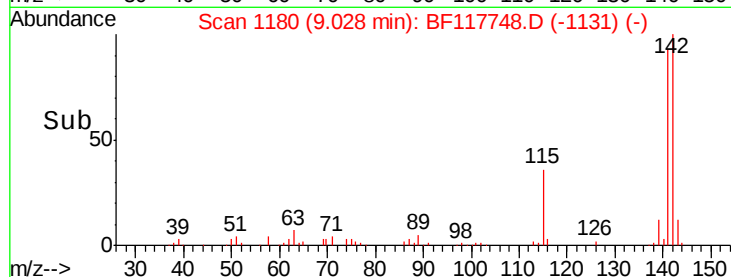
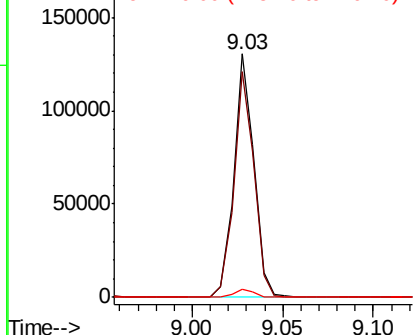
#38
1-Methylnaphthalene
Concen: 2.217 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BF117748.D
Acq: 8 Nov 2019 22:58

Instrument :
BNA_F
ClientSampleId :
5-ADL

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.8	73.3	109.9
116	3.4	3.2	4.8

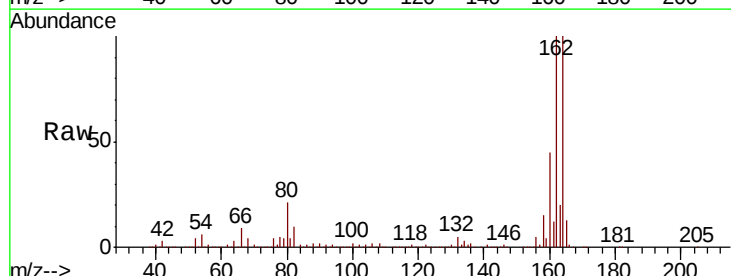


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

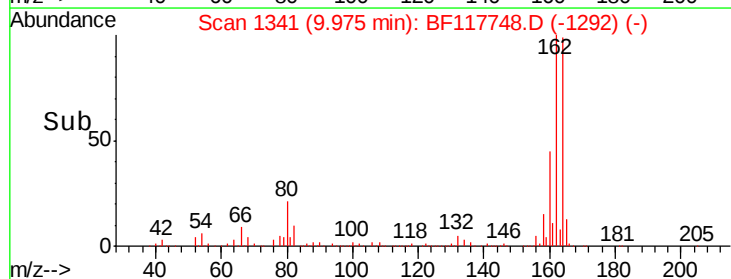
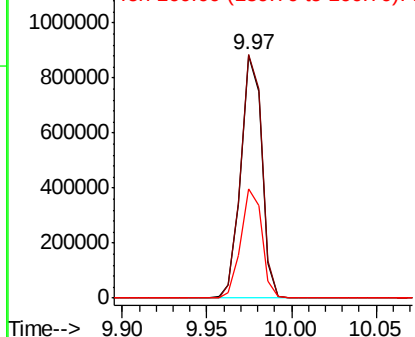


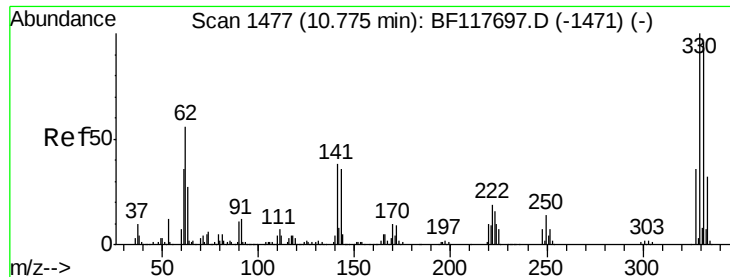
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF117748.D
Acq: 8 Nov 2019 22:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.4	79.7	119.5
160	45.0	36.5	54.7



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

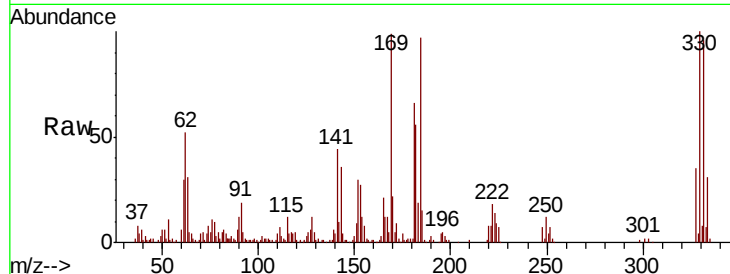




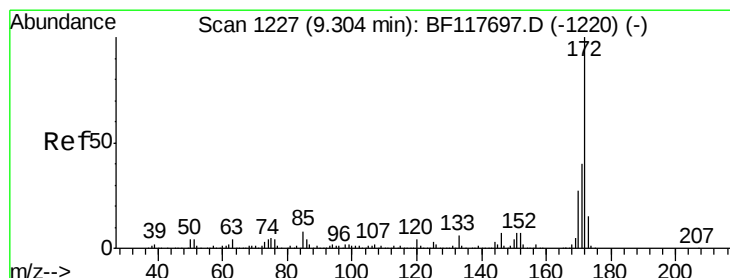
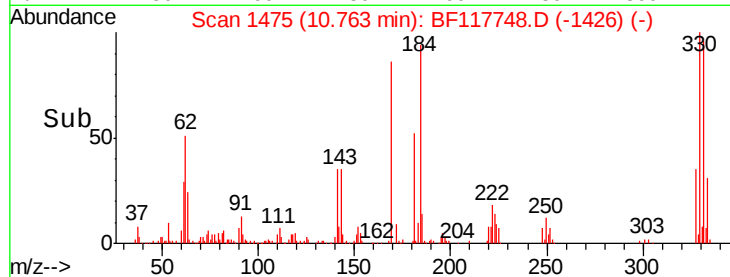
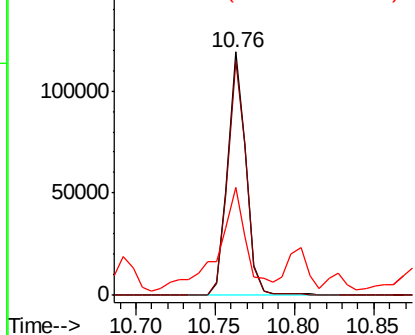
#42
 2,4,6-Tribromophenol
 Concen: 12.768 ng
 RT: 10.76 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: BF117748.D
 Acq: 8 Nov 2019 22:58

Instrument :
 BNA_F
 ClientSampleId :
 5-ADL

Tot Ion:330 Resp: 95483
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.4 116.0
 141 66.6 28.0 42.0#

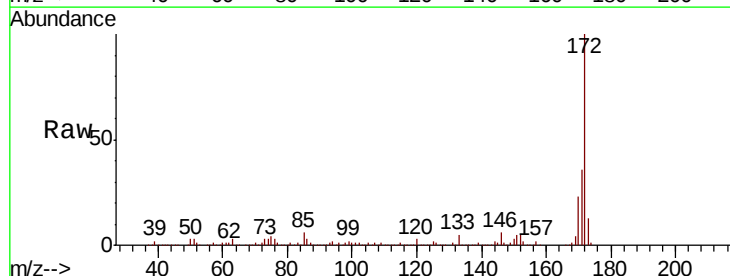


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

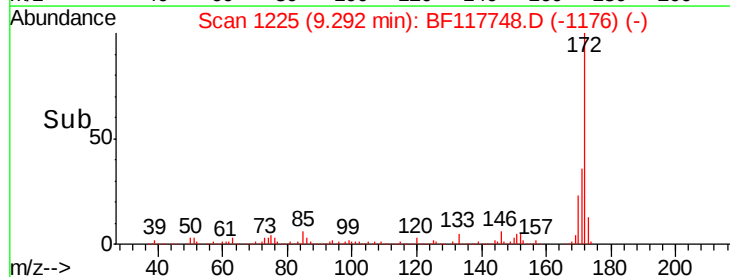
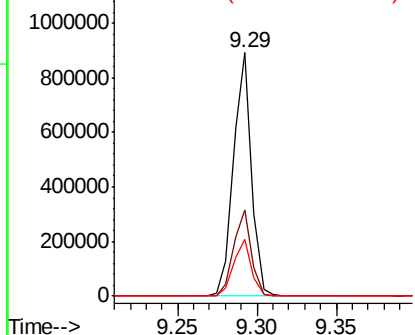


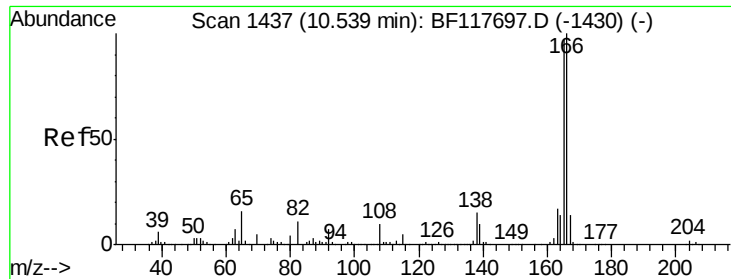
#45
 2-Fluorobiphenyl
 Concen: 18.096 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: BF117748.D
 Acq: 8 Nov 2019 22:58

Tgt Ion:172 Resp: 701160
 Ion Ratio Lower Upper
 172 100
 171 35.5 31.8 47.8
 170 23.4 21.6 32.4



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

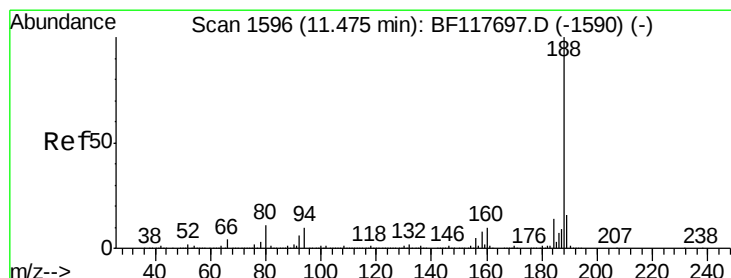
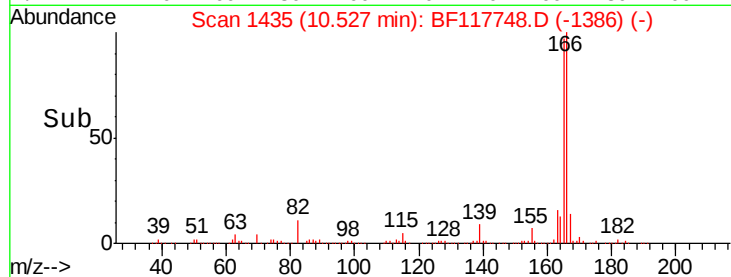
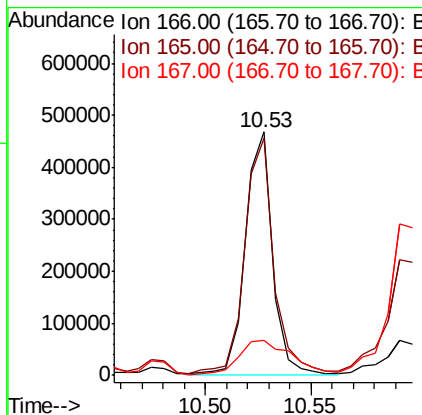
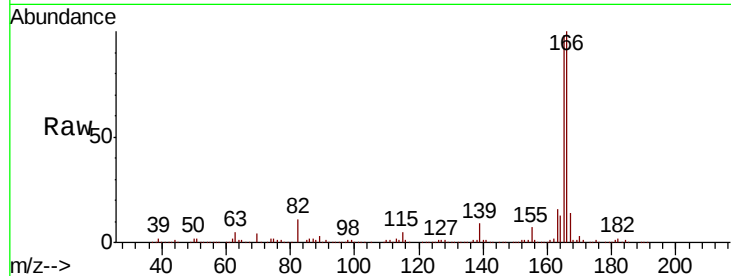




#58
 Fluorene
 Concen: 9.627 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF117748.D
 Acq: 8 Nov 2019 22:58

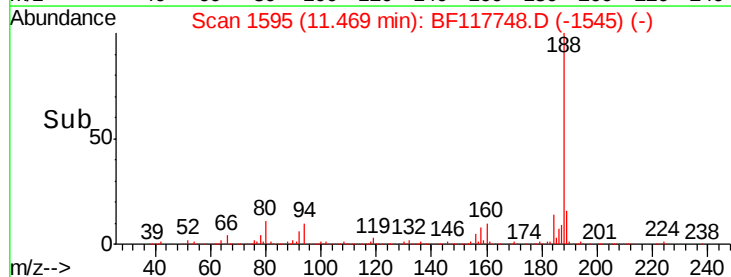
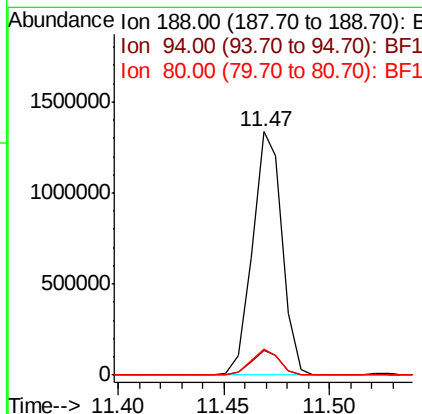
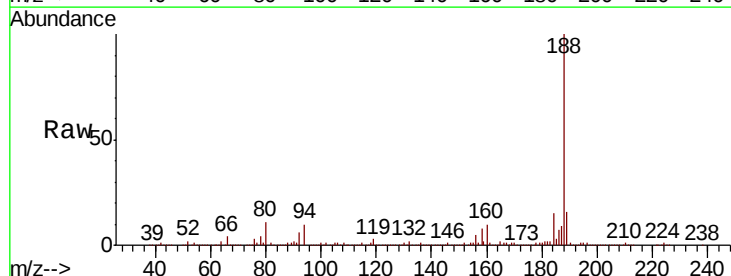
Instrument :
 BNA_F
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 5-ADL

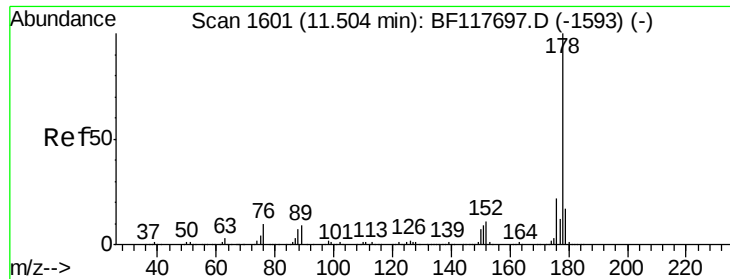
Tot Ion:166 Resp: 414530
 Ion Ratio Lower Upper
 166 100
 165 97.7 77.4 116.0
 167 14.4 11.0 16.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF117748.D
 Acq: 8 Nov 2019 22:58

Tgt Ion:188 Resp: 1298758
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.2 12.4
 80 10.8 8.6 13.0

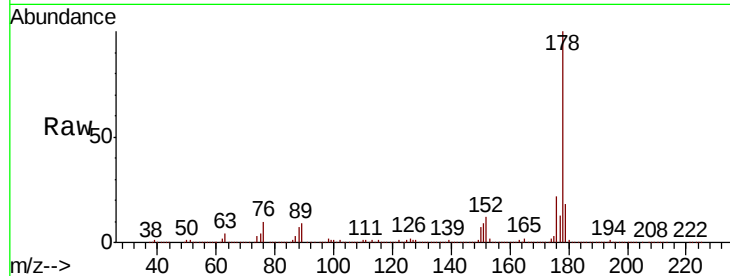




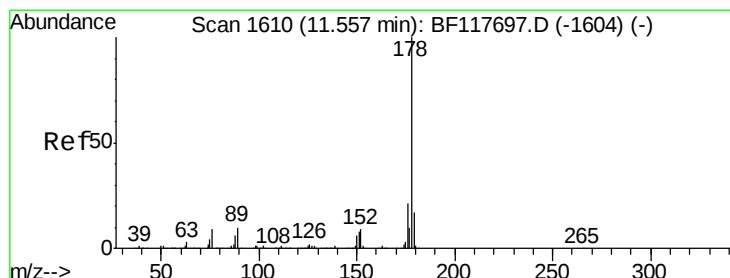
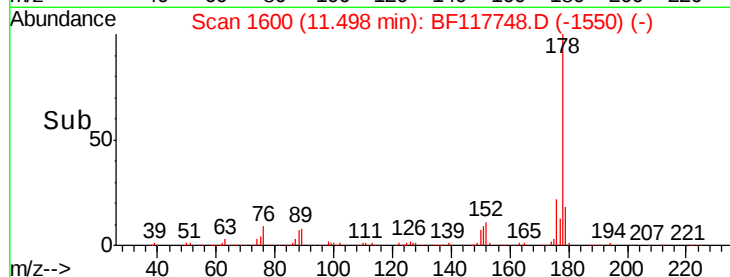
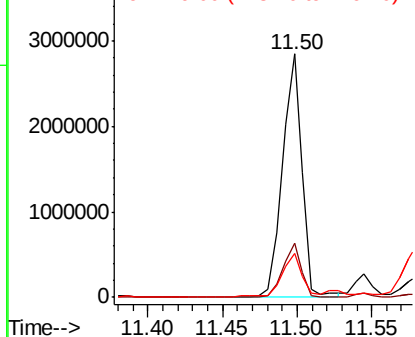
#71
Phenanthrene
Concen: 42.068 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF117748.D
Acq: 8 Nov 2019 22:58

Instrument :
BNA_F
ClientSampleId :
5-ADL

Tot Ion:178 Resp: 2618802
Ion Ratio Lower Upper
178 100
176 22.2 17.7 26.5
179 18.0 13.8 20.8

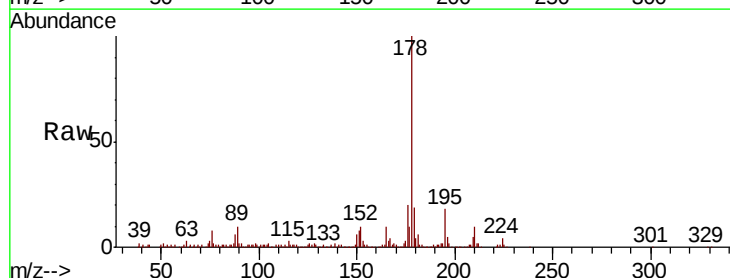


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

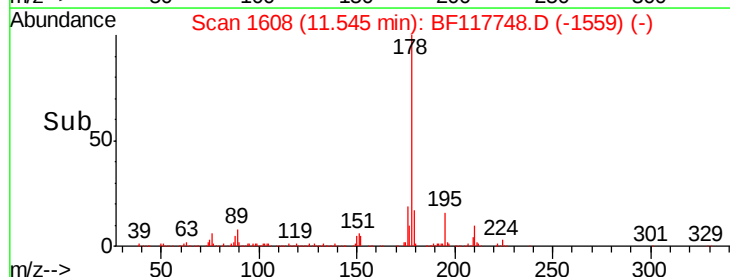
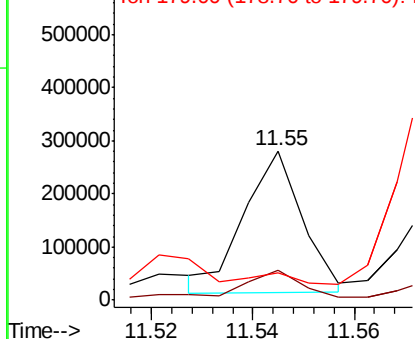


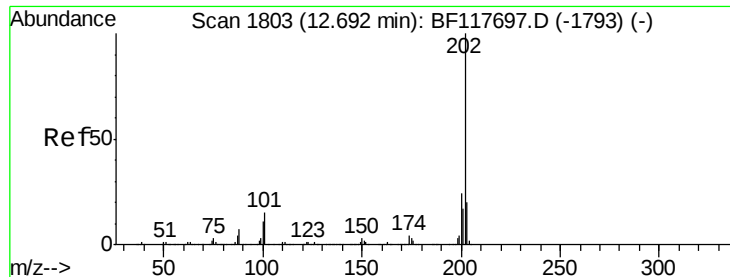
#72
Anthracene
Concen: 3.425 ng
RT: 11.55 min Scan# 1608
Delta R.T. -0.01 min
Lab File: BF117748.D
Acq: 8 Nov 2019 22:58

Tgt Ion:178 Resp: 212148
Ion Ratio Lower Upper
178 100
176 19.9 16.6 25.0
179 18.5 13.5 20.3



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





#75

Fluoranthene

Concen: 6.911 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF117748.D

Acq: 8 Nov 2019 22:58

Instrument :

BNA_F

ClientSampleId :

5-ADL

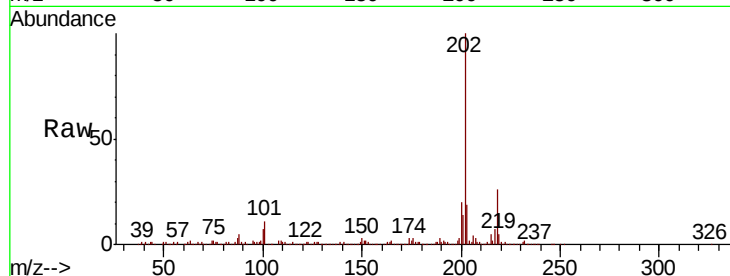
Tot Ion:202 Resp: 439264

Ion Ratio Lower Upper

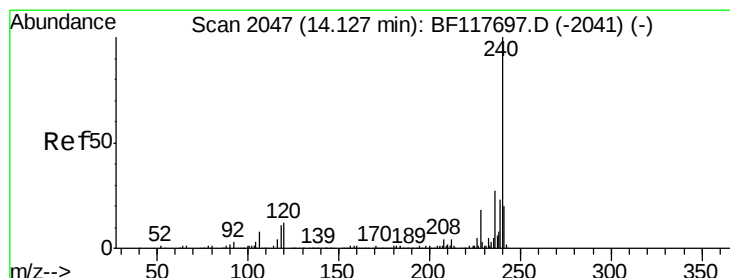
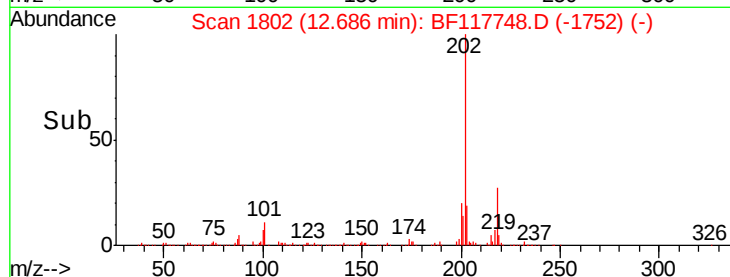
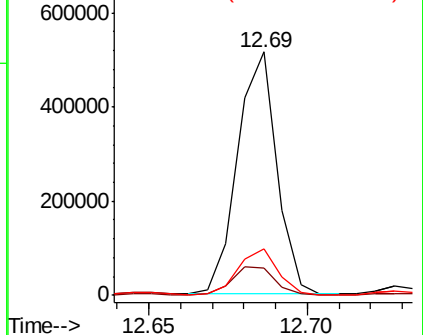
202 100

101 11.0 0.0 34.5

203 19.3 0.0 39.8



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: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF117748.D

Acq: 8 Nov 2019 22:58

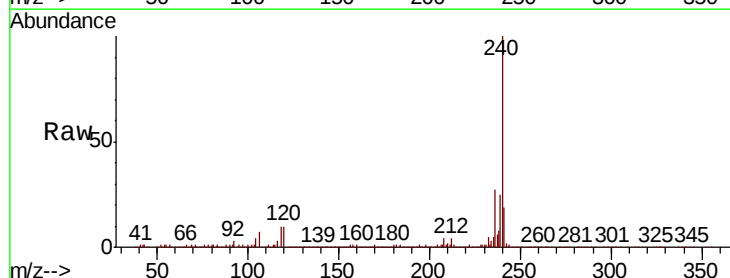
Tgt Ion:240 Resp: 740746

Ion Ratio Lower Upper

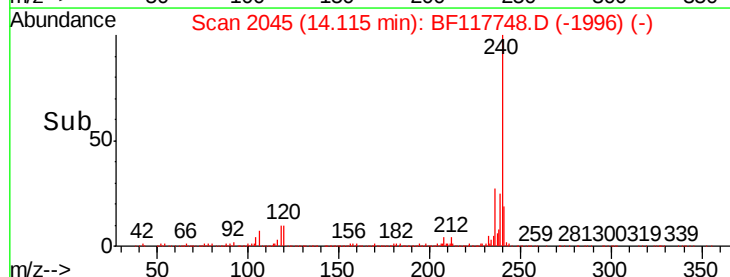
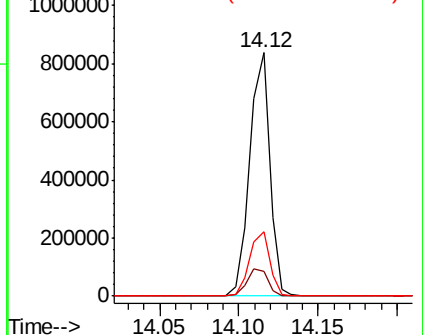
240 100

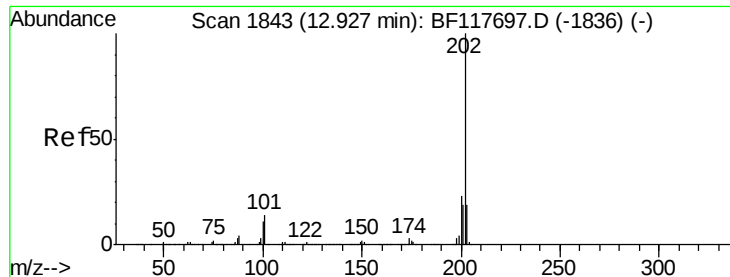
120 10.4 9.7 14.5

236 26.7 21.9 32.9



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: 10.994 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF117748.D

Acq: 8 Nov 2019 22:58

Instrument :

BNA_F

ClientSampleId :

5-ADL

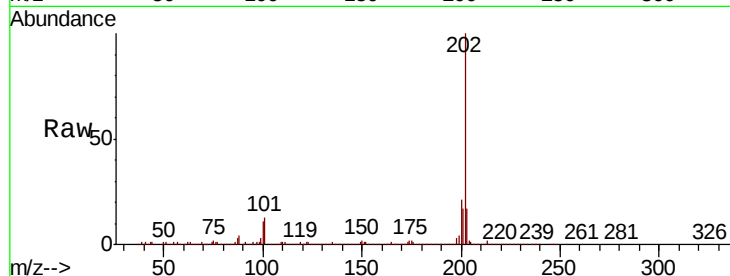
Tot Ion:202 Resp: 594509

Ion Ratio Lower Upper

202 100

200 20.8 18.8 28.2

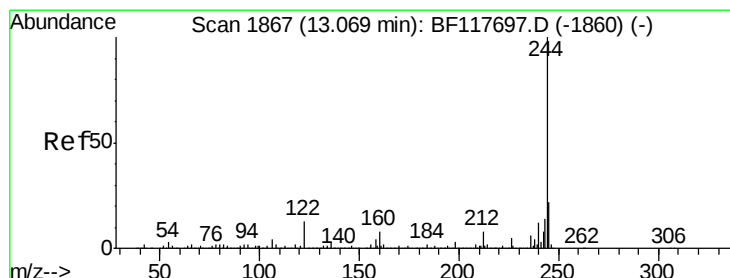
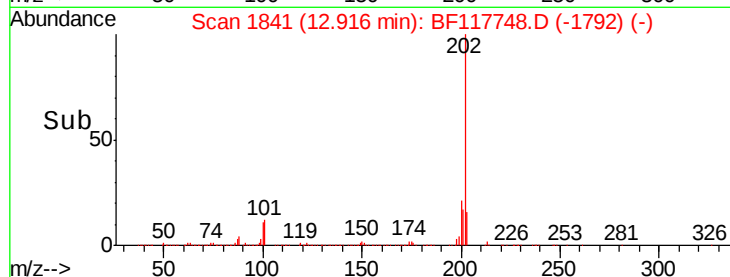
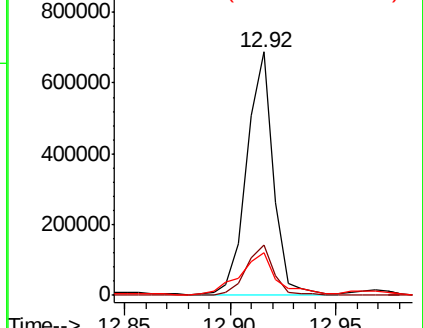
203 17.3 15.2 22.8



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: 17.526 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF117748.D

Acq: 8 Nov 2019 22:58

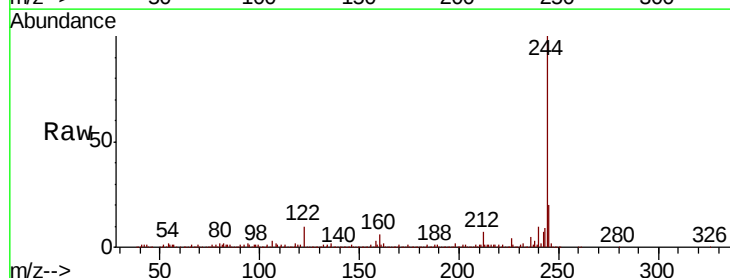
Tgt Ion:244 Resp: 630645

Ion Ratio Lower Upper

244 100

212 6.5 6.4 9.6

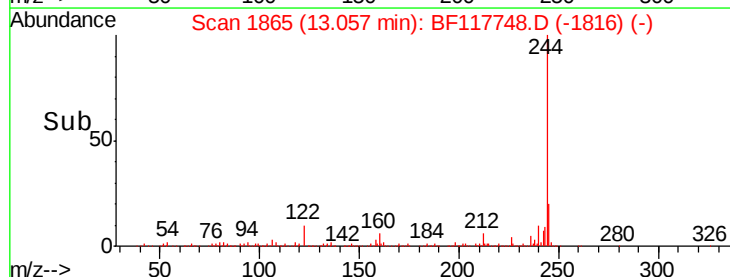
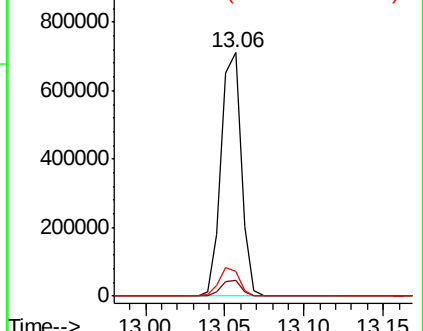
122 10.0 10.0 15.0

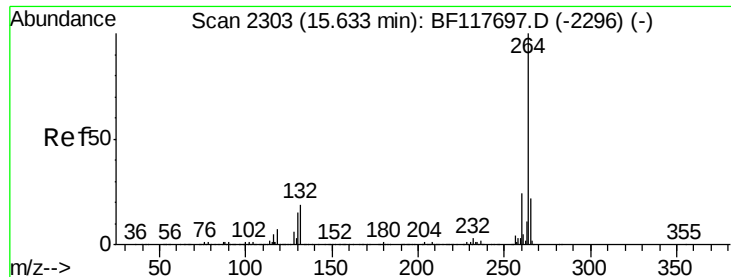


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.62 min Scan# 2301
 Delta R.T. -0.01 min
 Lab File: BF117748.D
 Acq: 8 Nov 2019 22:58

Instrument :
 BNA_F
 ClientSampleId :
 5-ADL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	22.4	17.7	26.5

