

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082319\
 Data File : BF116500.D
 Acq On : 24 Aug 2019 1:49
 Operator : HP/JU
 Sample : K4090-13 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-082219

Quant Time: Aug 24 03:37:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	95574	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	339706	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	158817	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	266901	20.00	ng	0.00
76) Chrysene-d12	14.03	240	228028	20.00	ng	0.00
87) Perylene-d12	15.50	264	226766	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	86260	13.19	ng	0.00
7) Phenol-d6	6.50	99	116385	14.51	ng	0.00
23) Nitrobenzene-d5	7.43	82	56955	9.17	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	18045	13.23	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	137389	13.93	ng	0.00
79) Terphenyl-d14	12.98	244	141900	11.62	ng	0.00

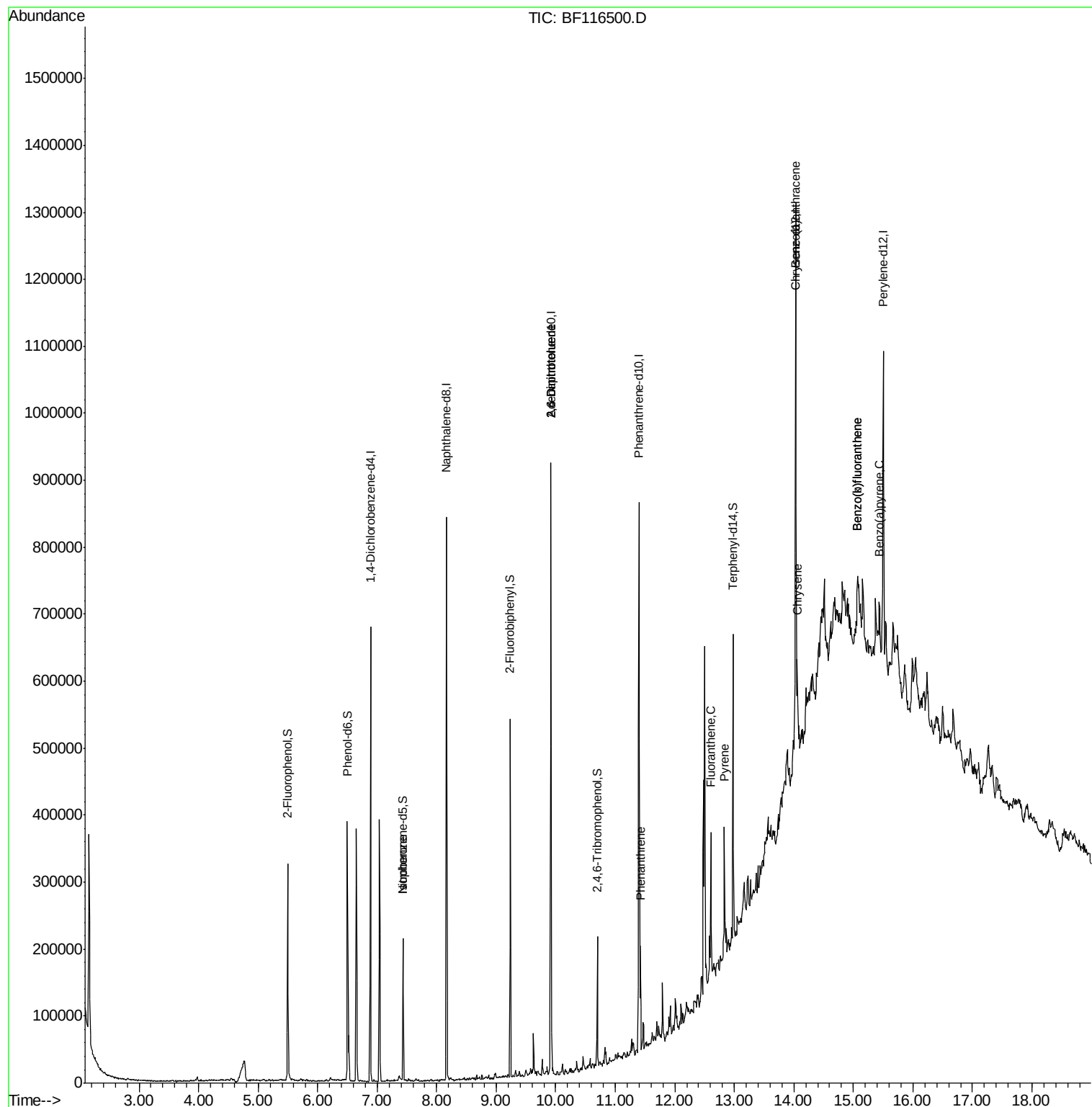
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.43	82	56954	4.655	ng	# 67
51) 2,6-Dinitrotoluene	9.92	165	20473	9.027	ng	# 26
57) 2,4-Dinitrotoluene	9.92	165	20473	7.094	ng	# 21
71) Phenanthrene	11.42	178	48865	3.361	ng	99
75) Fluoranthene	12.61	202	77451	5.152	ng	99
78) Pyrene	12.83	202	78261	4.292	ng	99
81) Benzo(a)anthracene	14.02	228	40840	2.765	ng	# 88
83) Chrysene	14.06	228	36508	2.439	ng	# 93
88) Benzo(b)fluoranthene	15.07	252	58827	4.199	ng	# 81
89) Benzo(k)fluoranthene	15.07	252	58827	4.635	ng	# 80
90) Benzo(a)pyrene	15.44	252	31273	2.526	ng	# 81

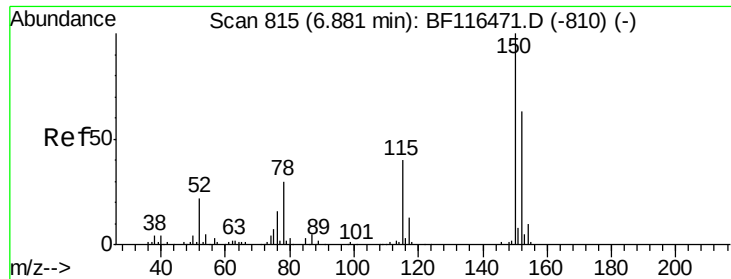
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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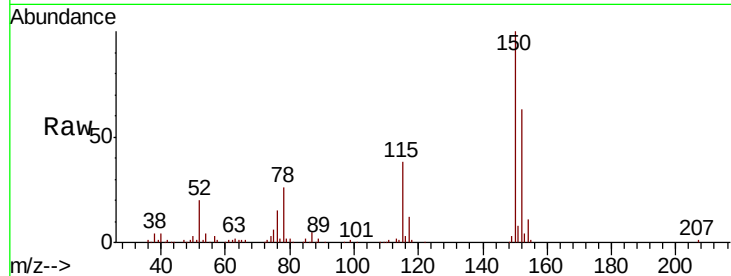


#1

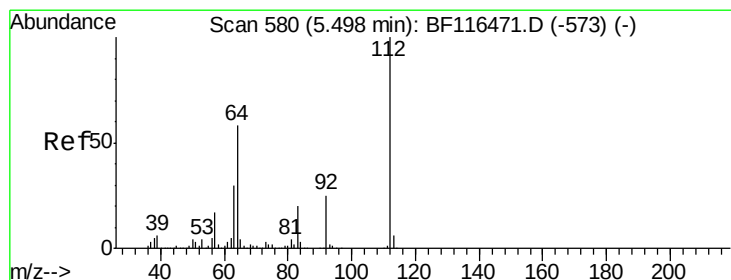
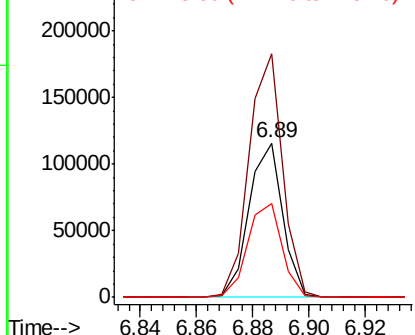
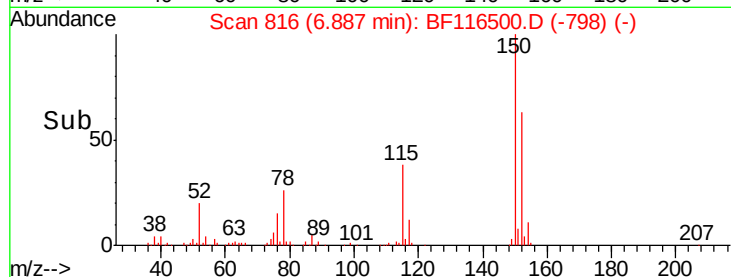
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116500.D
Acq: 24 Aug 2019 1:49

Instrument :
BNA_F
ClientSampleId :
OR-03-082219

Tgt Ion:152 Resp: 95574
Ion Ratio Lower Upper
152 100
150 158.1 126.7 190.1
115 60.7 50.9 76.3



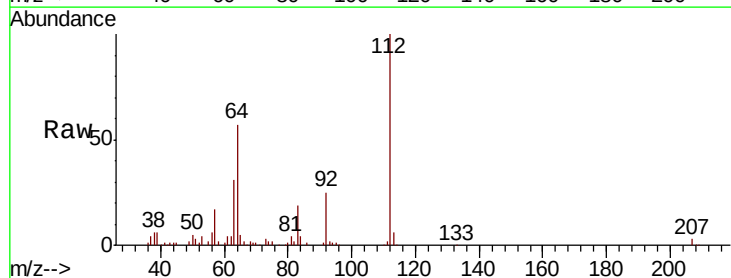
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



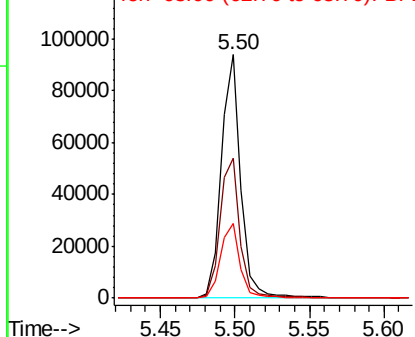
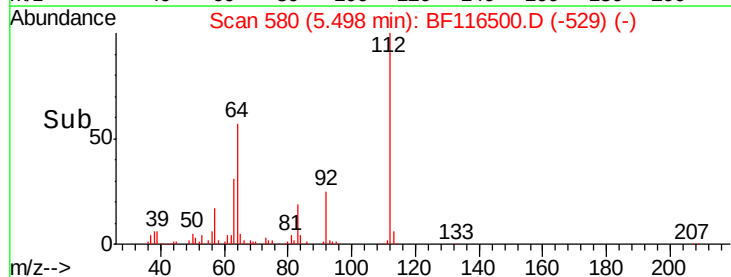
#5

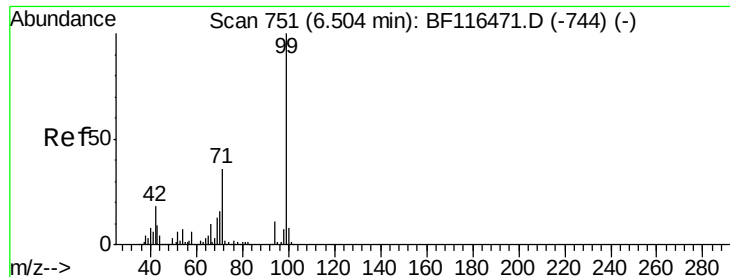
2-Fluorophenol
Concen: 13.188 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF116500.D
Acq: 24 Aug 2019 1:49

Tgt Ion:112 Resp: 86260
Ion Ratio Lower Upper
112 100
64 57.4 46.3 69.5
63 30.8 24.2 36.4



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: 14.511 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF116500.D

Acq: 24 Aug 2019 1:49

Instrument :

BNA_F

ClientSampleId :

OR-03-082219

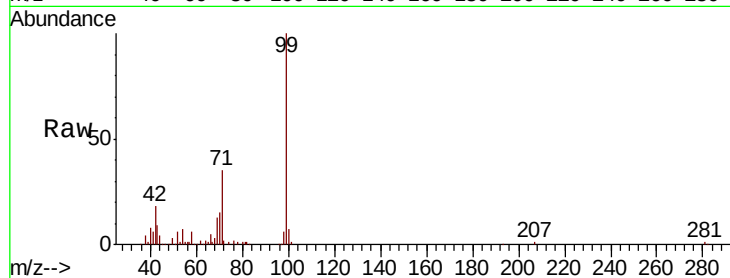
Tgt Ion: 99 Resp: 116385

Ion Ratio Lower Upper

99 100

42 18.1 14.6 21.8

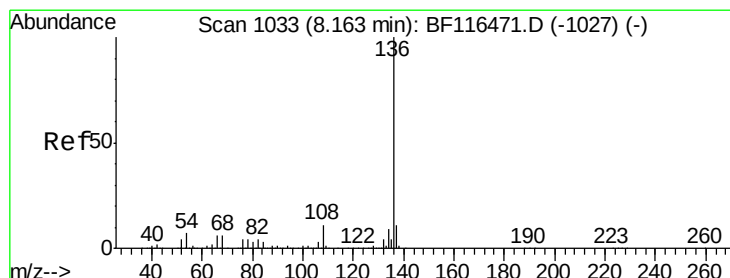
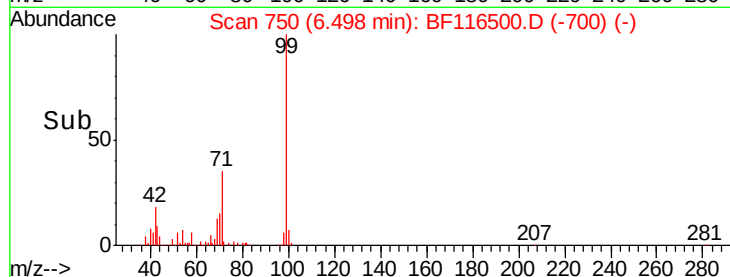
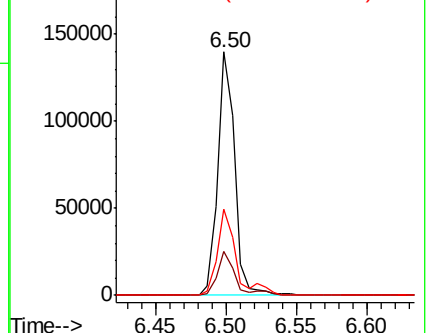
71 35.2 28.5 42.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF116500.D

Acq: 24 Aug 2019 1:49

Tgt Ion: 136 Resp: 339706

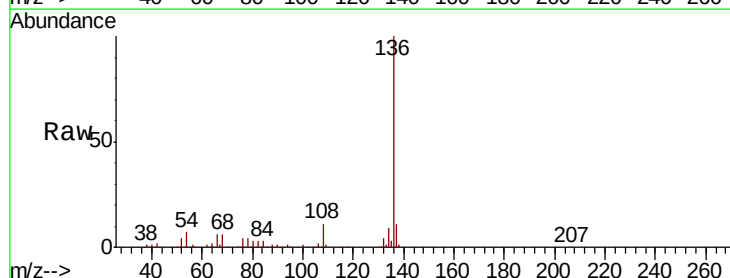
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 7.4 5.8 8.6

68 6.3 5.1 7.7

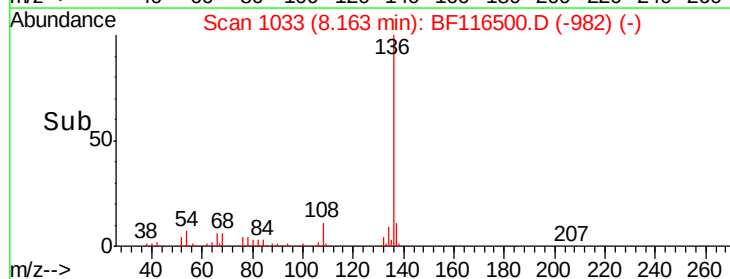
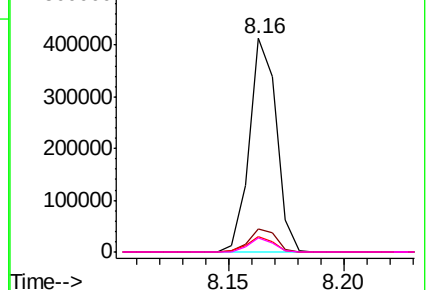


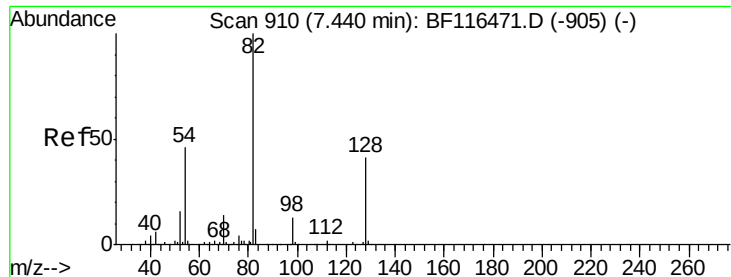
Abundance Ion 136.00 (135.70 to 136.70): E

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

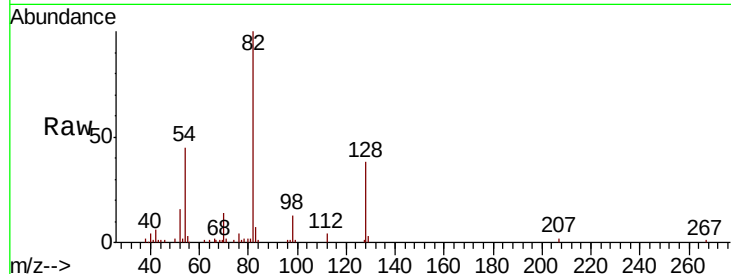




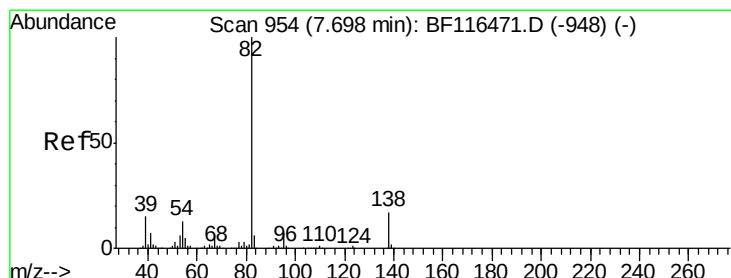
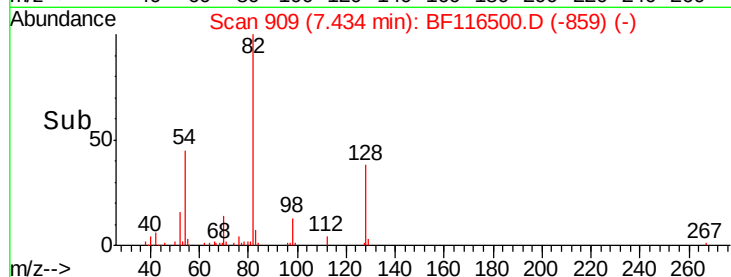
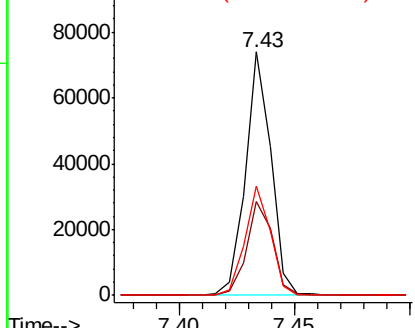
#23
 Nitrobenzene-d5
 Concen: 9.173 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF116500.D
 Acq: 24 Aug 2019 1:49

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-082219

Tgt Ion:	82	Resp:	56955
Ion	Ratio	Lower	Upper
82	100		
128	38.3	32.2	48.4
54	45.0	36.5	54.7

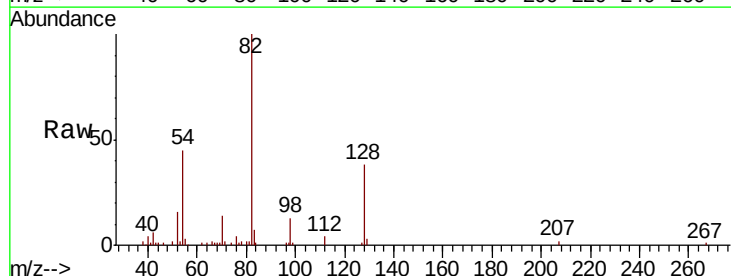


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

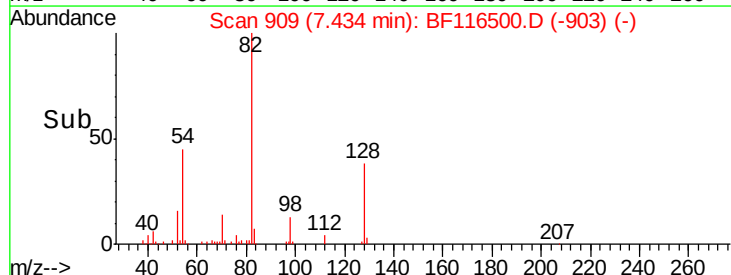
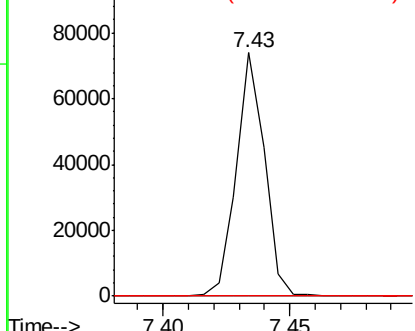


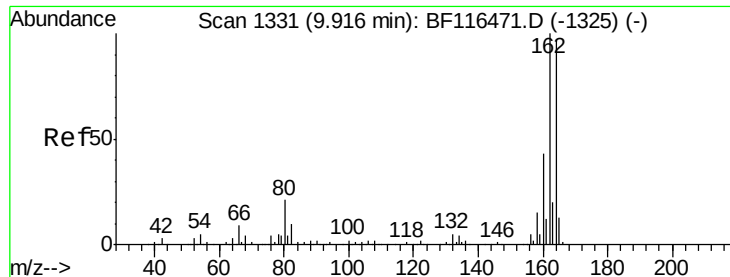
#25
 Isophorone
 Concen: 4.655 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.26 min
 Lab File: BF116500.D
 Acq: 24 Aug 2019 1:49

Tgt Ion:	82	Resp:	56954
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.3	19.9#



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

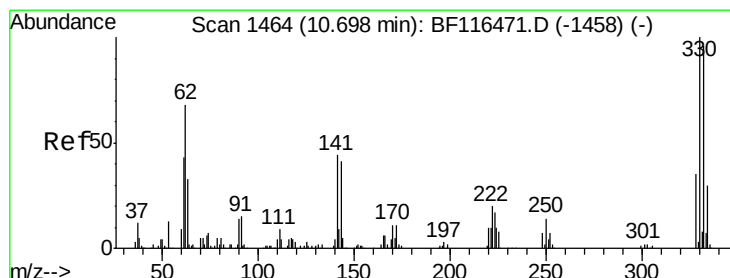
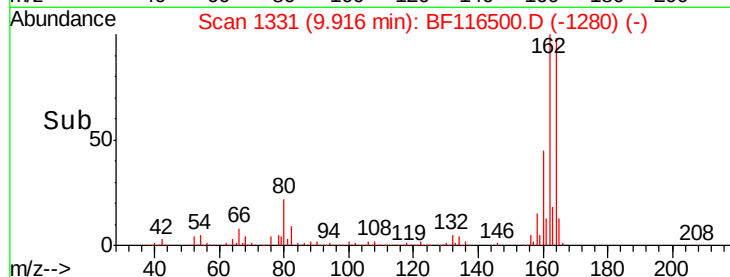
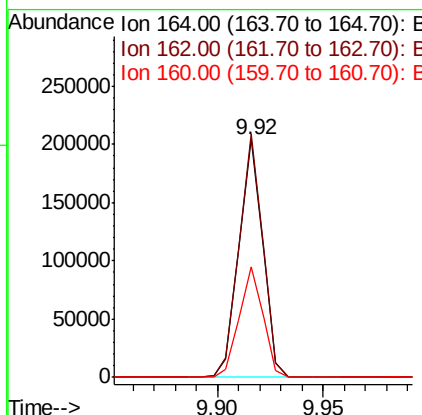
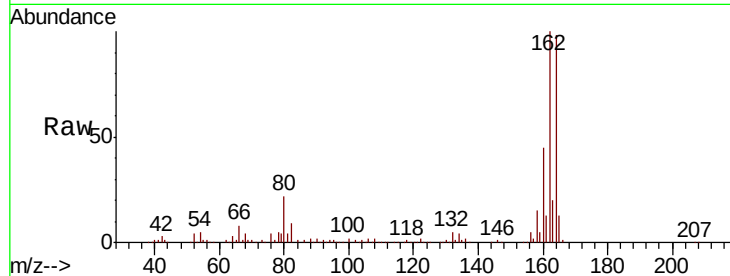




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF116500.D
Acq: 24 Aug 2019 1:49

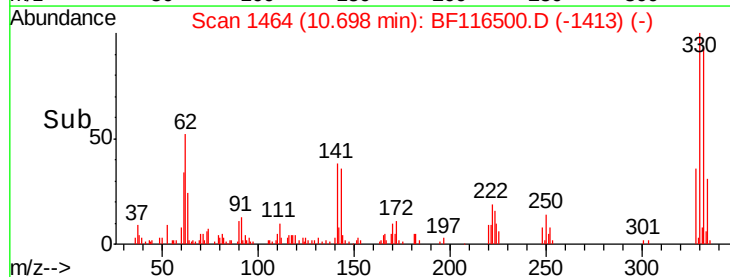
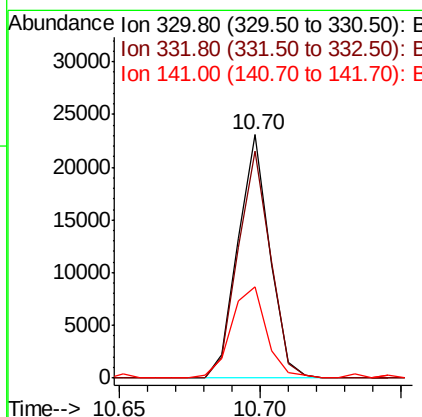
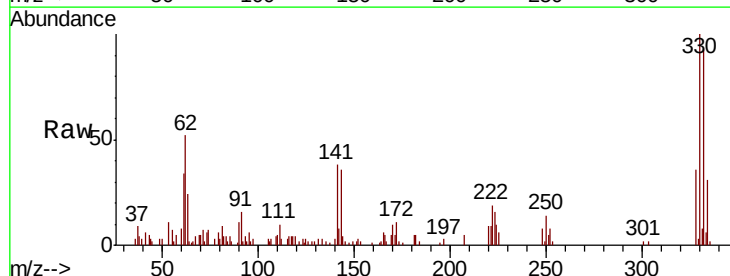
Instrument :
BNA_F
ClientSampleId :
OR-03-082219

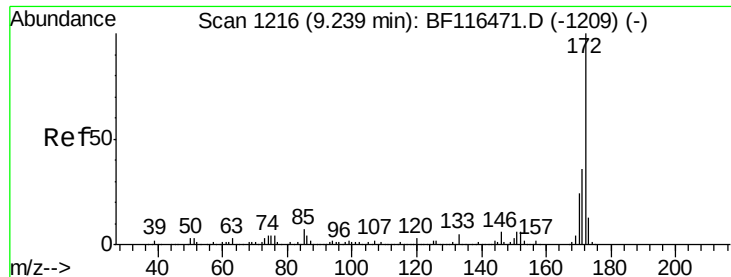
Tgt Ion:164 Resp: 158817
Ion Ratio Lower Upper
164 100
162 102.2 82.6 123.8
160 46.1 35.8 53.8



#42
2,4,6-Tribromophenol
Concen: 13.232 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.00 min
Lab File: BF116500.D
Acq: 24 Aug 2019 1:49

Tgt Ion:330 Resp: 18045
Ion Ratio Lower Upper
330 100
332 95.1 77.2 115.8
141 42.6 33.3 49.9

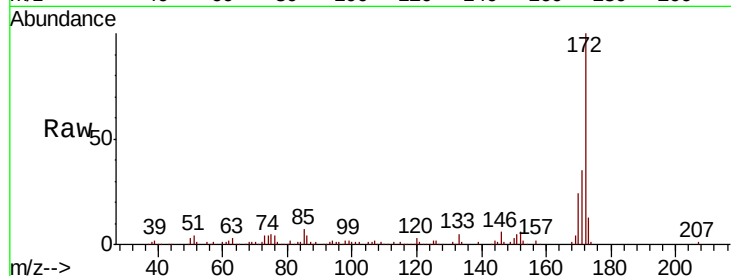




#45
 2-Fluorobiphenyl
 Concen: 13.931 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF116500.D
 Acq: 24 Aug 2019 1:49

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-082219

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.9	43.3
170	23.7	19.4	29.0

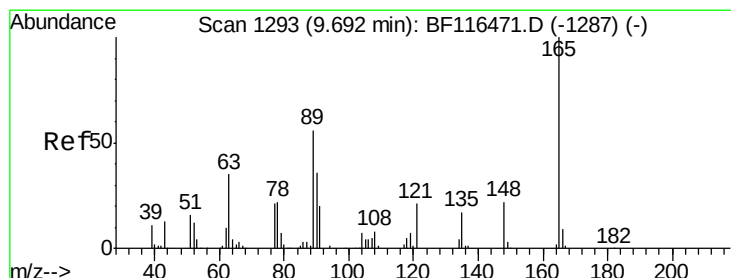
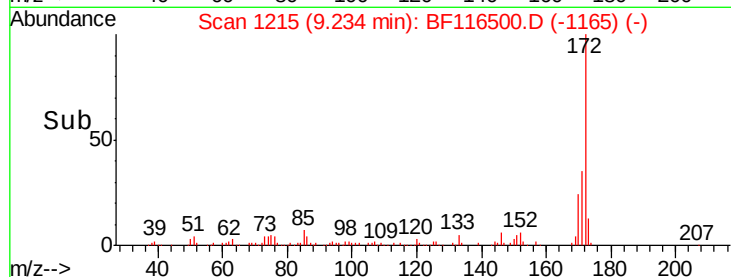
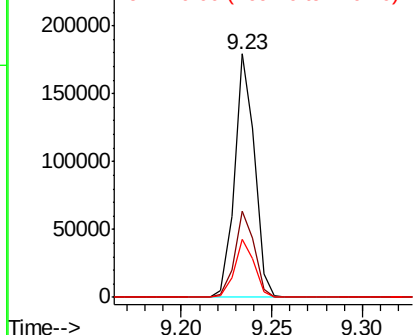


Abundance

Ion 172.00 (171.70 to 172.70): E

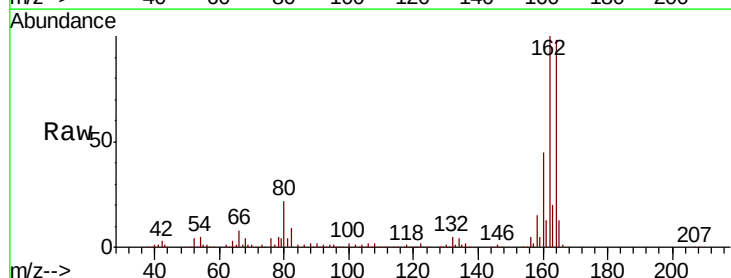
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51
 2,6-Dinitrotoluene
 Concen: 9.027 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.22 min
 Lab File: BF116500.D
 Acq: 24 Aug 2019 1:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	43.7	65.5#
89	1.5	45.1	67.7#

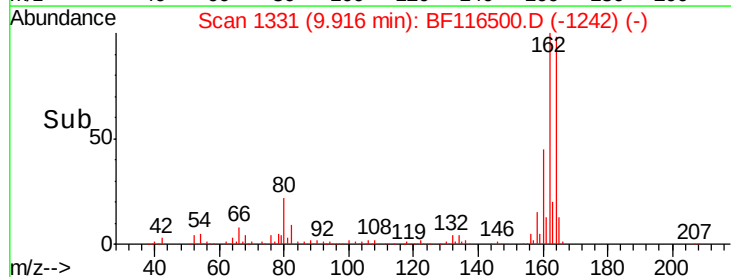
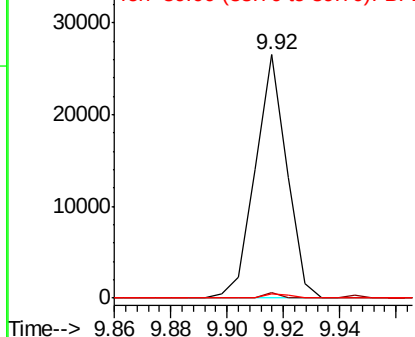


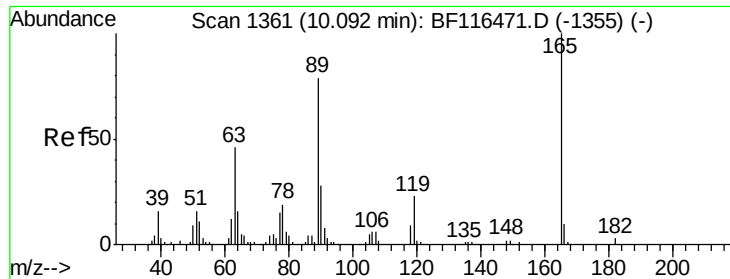
Abundance

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

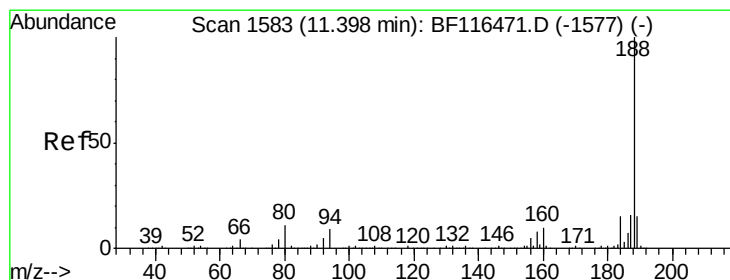
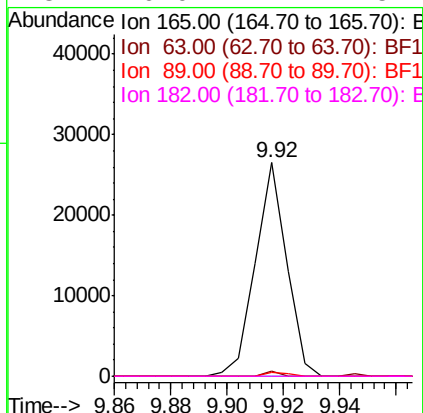
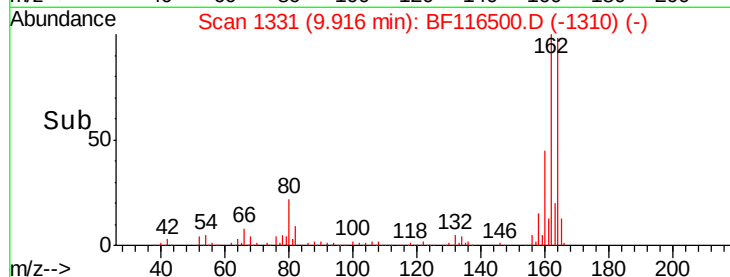
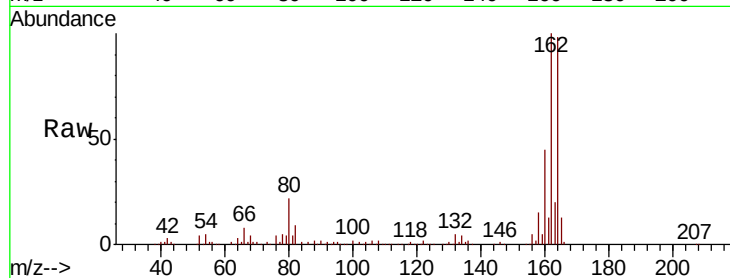




#57
 2,4-Dinitrotoluene
 Concen: 7.094 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.18 min
 Lab File: BF116500.D
 Acq: 24 Aug 2019 1:49

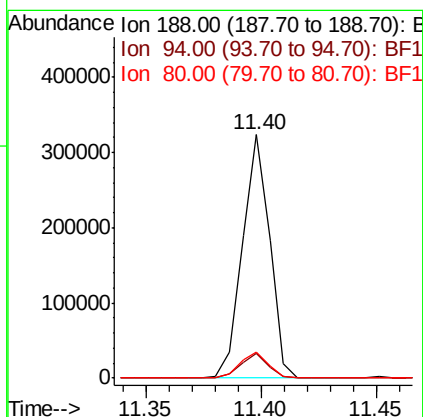
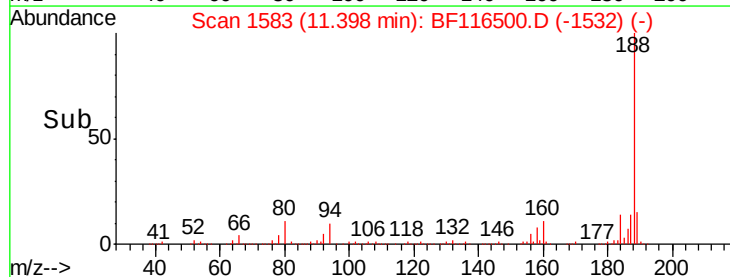
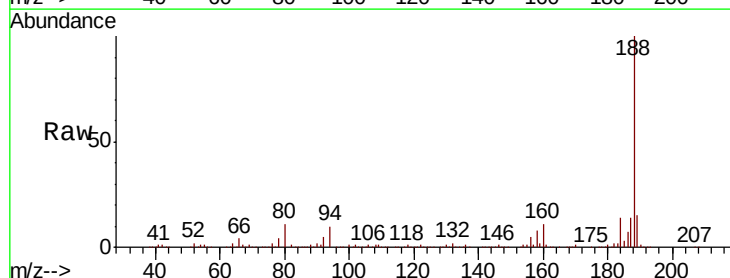
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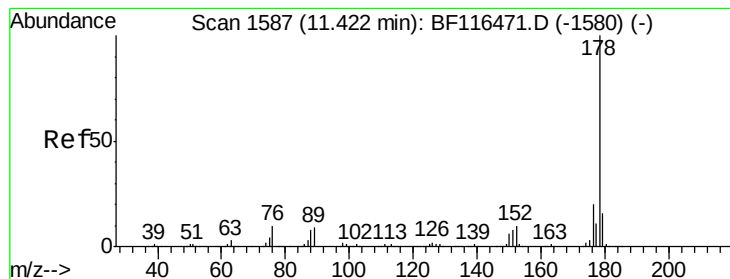
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	36.9	55.3#
89	1.5	63.4	95.0#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF116500.D
 Acq: 24 Aug 2019 1:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.4	11.2
80	10.7	8.6	12.8





#71

Phenanthrene

Concen: 3.361 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BF116500.D

Acq: 24 Aug 2019 1:49

Instrument :

BNA_F

ClientSampleId :

OR-03-082219

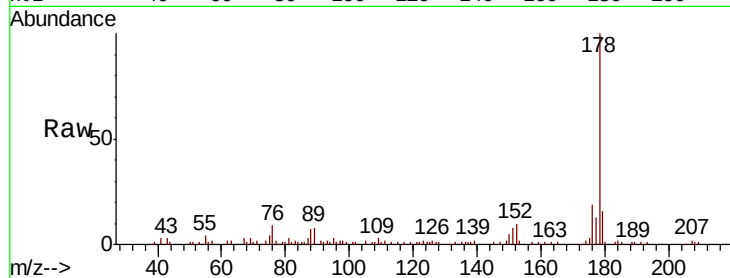
Tgt Ion:178 Resp: 48865

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.6

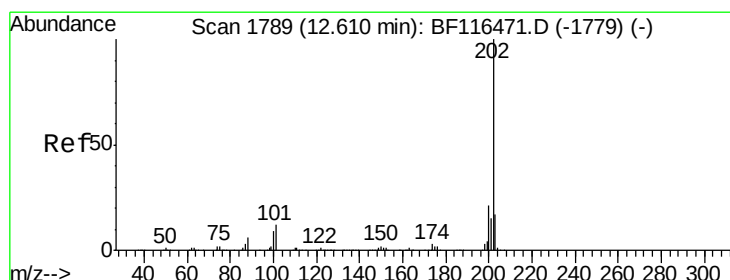
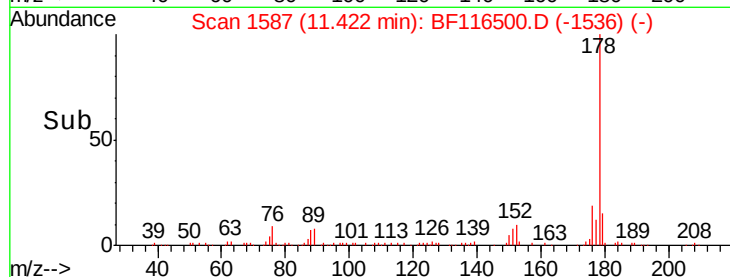
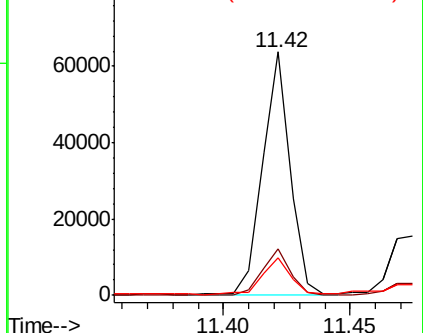
179 15.7 12.8 19.2



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



#75

Fluoranthene

Concen: 5.152 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BF116500.D

Acq: 24 Aug 2019 1:49

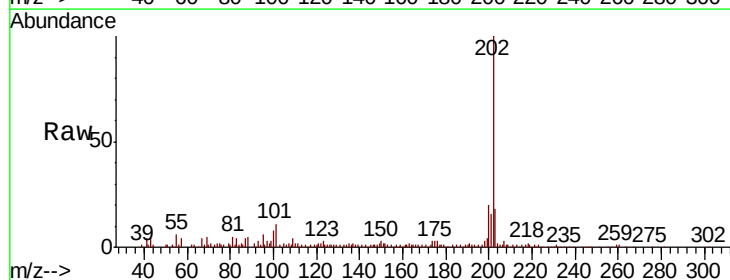
Tgt Ion:202 Resp: 77451

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.5

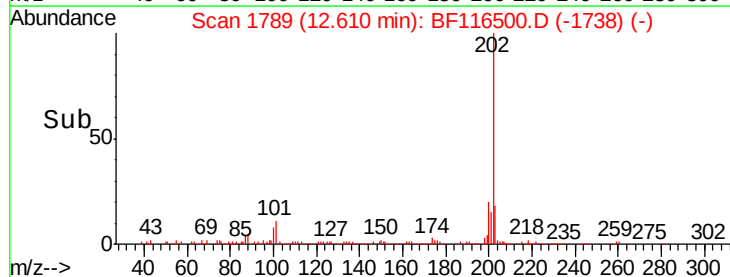
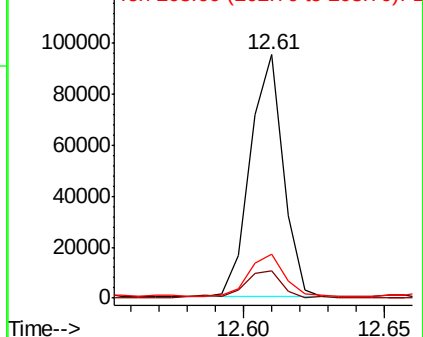
203 18.2 0.0 37.5

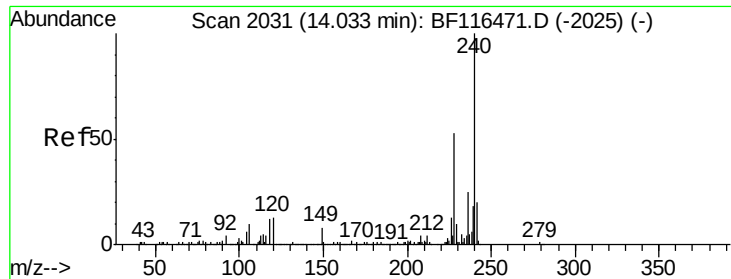


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

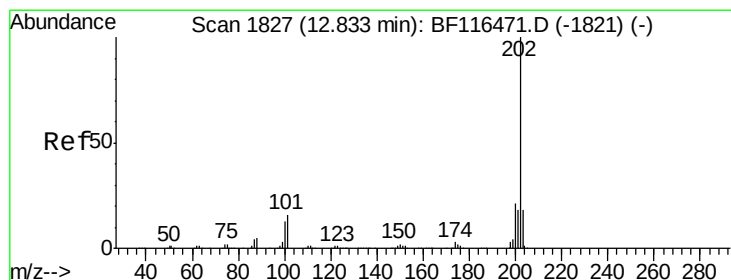
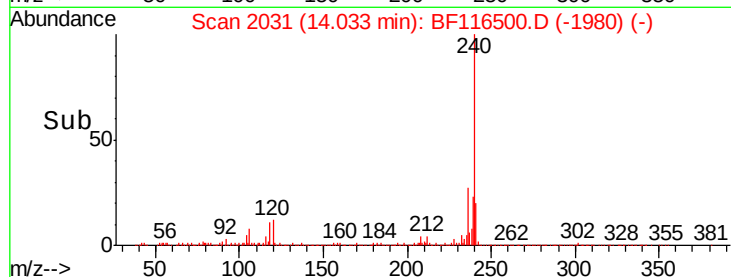
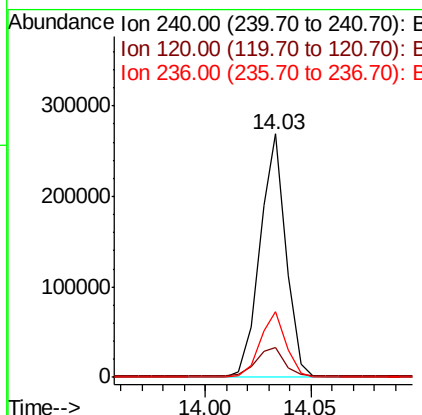
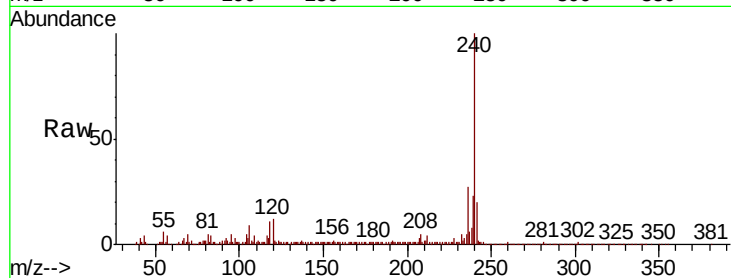




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF116500.D
Acq: 24 Aug 2019 1:49

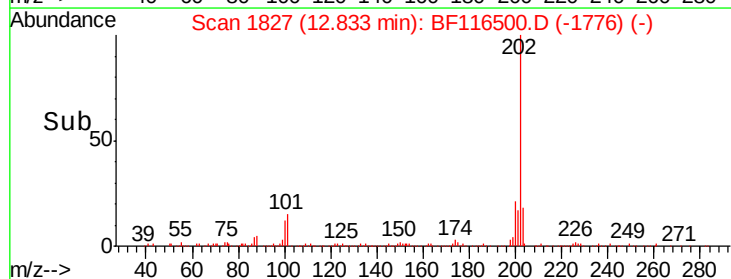
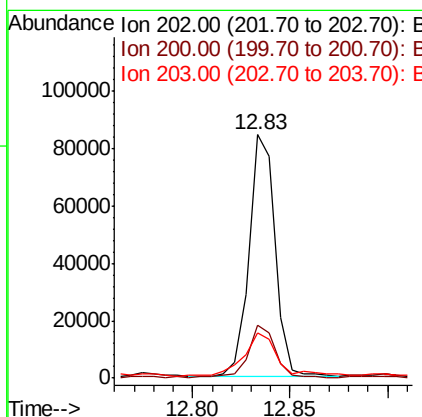
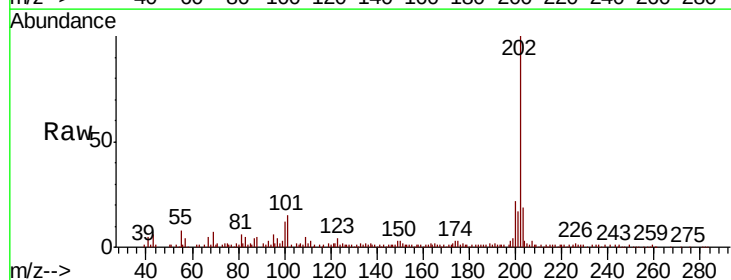
Instrument :
BNA_F
ClientSampleId :
OR-03-082219

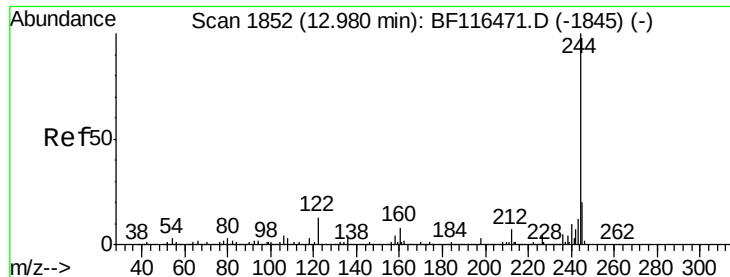
Tgt Ion:240 Resp: 228028
Ion Ratio Lower Upper
240 100
120 12.1 10.5 15.7
236 26.8 20.2 30.2



#78
Pyrene
Concen: 4.292 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF116500.D
Acq: 24 Aug 2019 1:49

Tgt Ion:202 Resp: 78261
Ion Ratio Lower Upper
202 100
200 21.7 17.0 25.4
203 18.6 14.2 21.4





#79

Terphenyl-d14

Concen: 11.624 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BF116500.D

Acq: 24 Aug 2019 1:49

Instrument :

BNA_F

ClientSampleId :

OR-03-082219

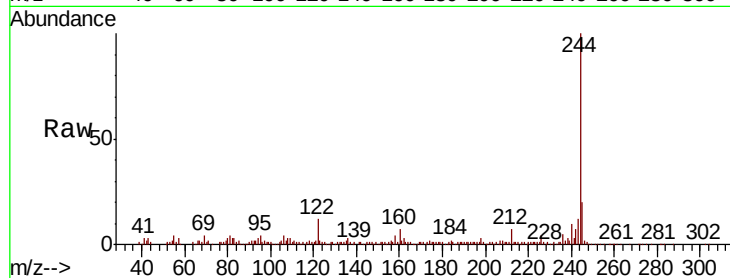
Tgt Ion:244 Resp: 141900

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

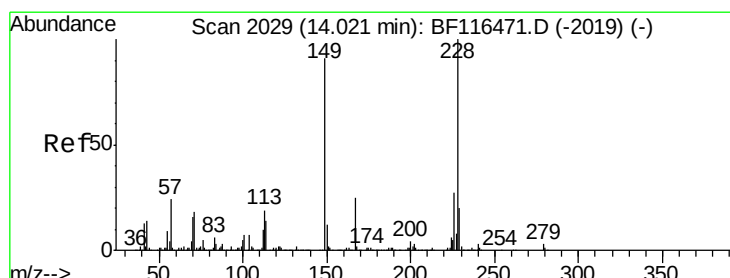
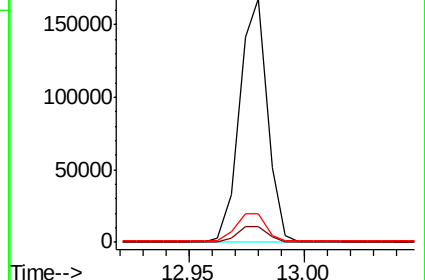
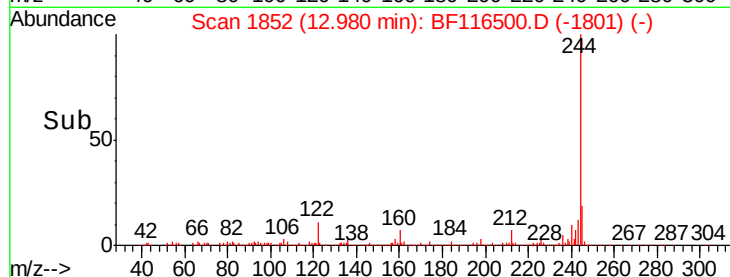
122 11.7 10.2 15.4



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: 2.765 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF116500.D

Acq: 24 Aug 2019 1:49

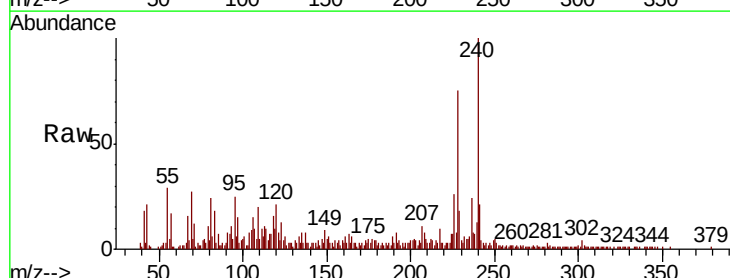
Tgt Ion:228 Resp: 40840

Ion Ratio Lower Upper

228 100

226 34.0 21.8 32.6#

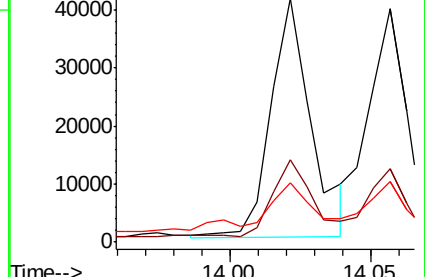
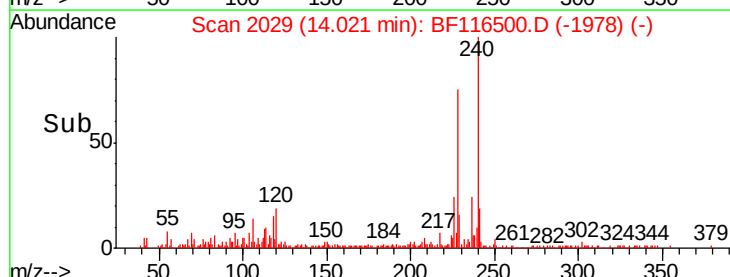
229 24.3 15.9 23.9#

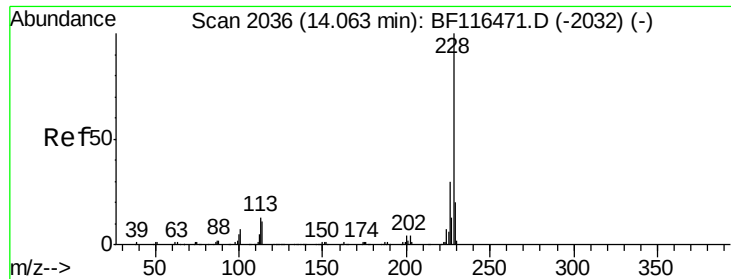


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.439 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF116500.D

Acq: 24 Aug 2019 1:49

Instrument :

BNA_F

ClientSampleId :

OR-03-082219

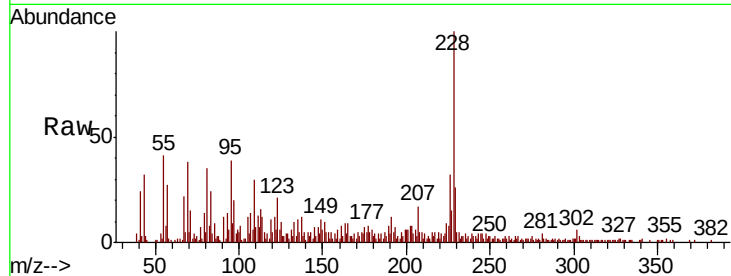
Tgt Ion:228 Resp: 36508

Ion Ratio Lower Upper

228 100

226 31.6 24.2 36.2

229 26.0 15.8 23.6#

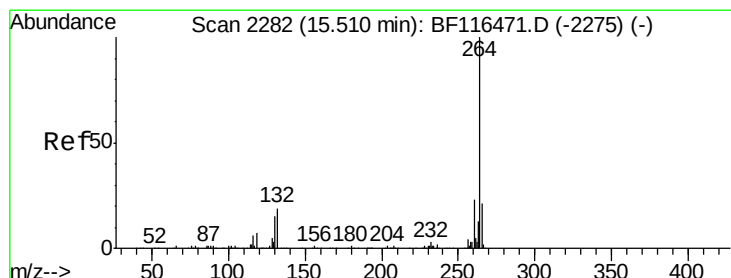
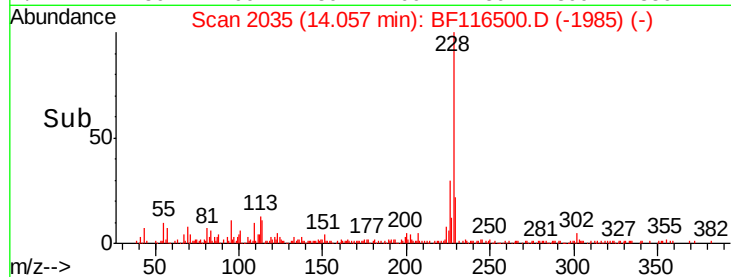
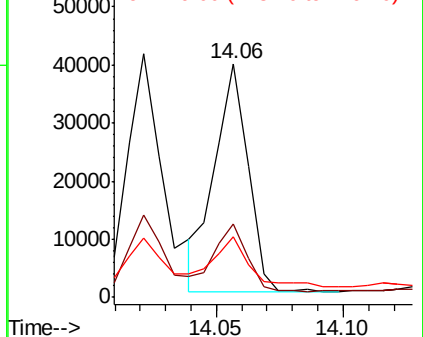


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BF116500.D

Acq: 24 Aug 2019 1:49

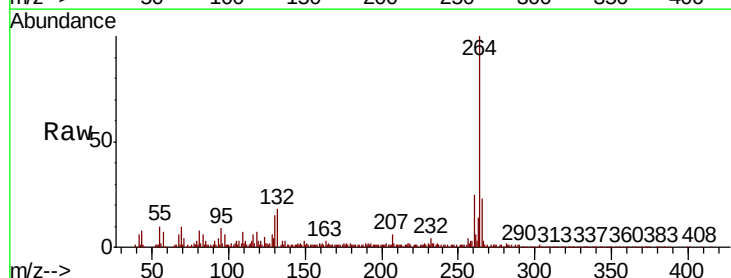
Tgt Ion:264 Resp: 226766

Ion Ratio Lower Upper

264 100

260 25.2 18.8 28.2

265 23.0 17.1 25.7

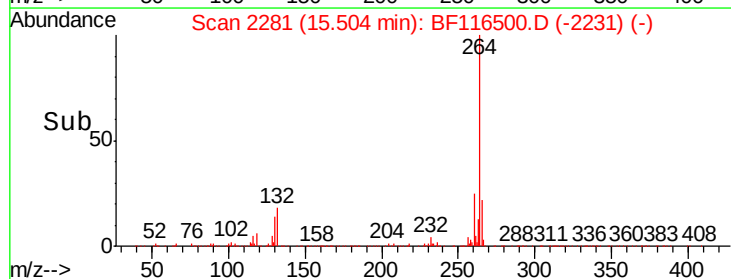
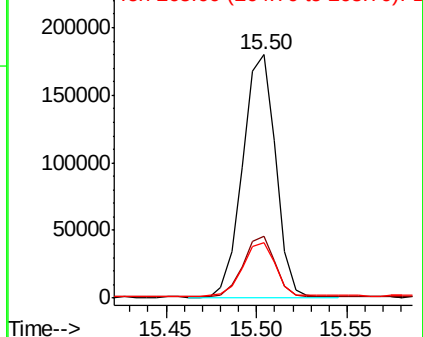


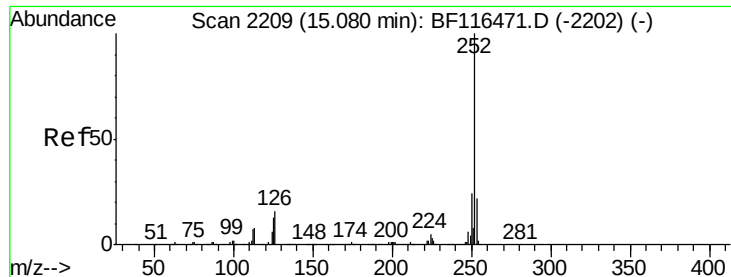
Abundance

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

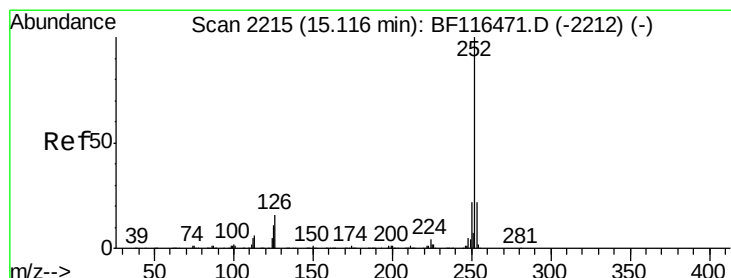
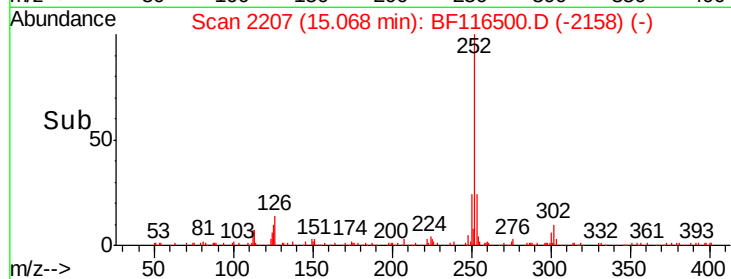
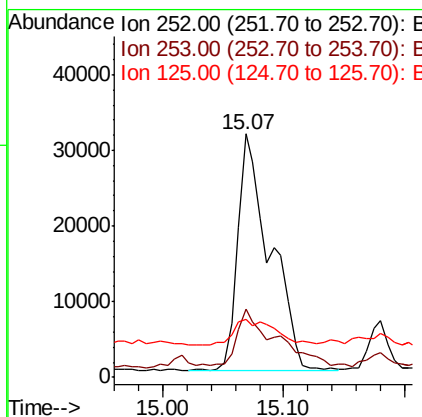
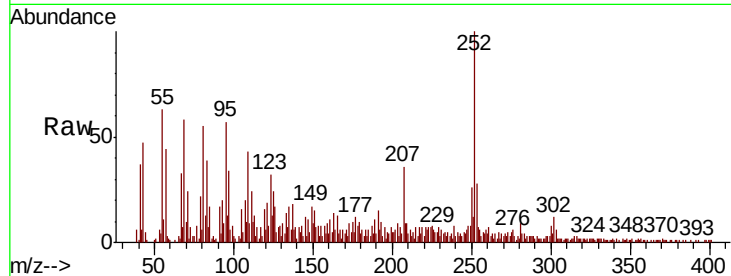




#88
Benzo(b)fluoranthene
Concen: 4.199 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116500.D
Acq: 24 Aug 2019 1:49

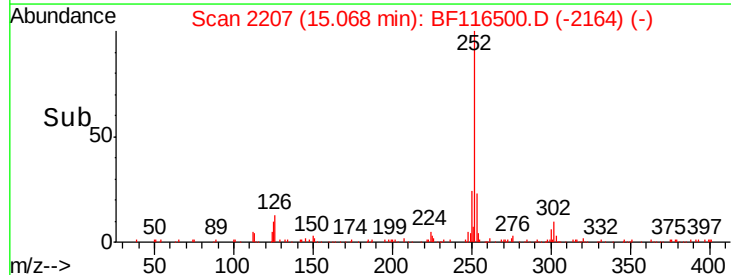
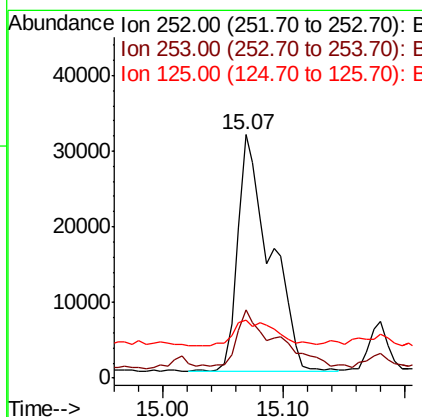
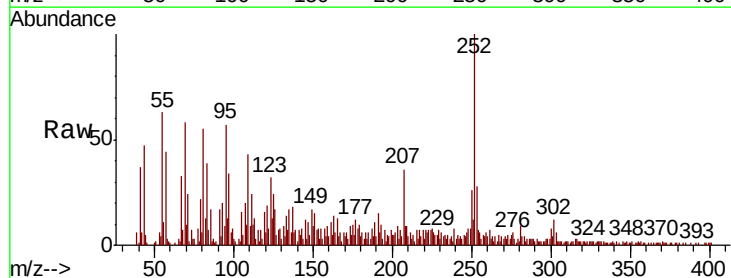
Instrument :
BNA_F
ClientSampleId :
OR-03-082219

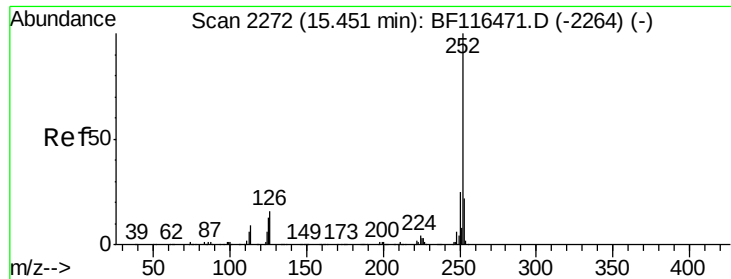
Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.5	26.3#
125	23.7	10.1	15.1#



#89
Benzo(k)fluoranthene
Concen: 4.635 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF116500.D
Acq: 24 Aug 2019 1:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.4	26.2#
125	23.7	9.1	13.7#





#90

Benzo(a)pyrene

Concen: 2.526 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF116500.D

Acq: 24 Aug 2019 1:49

Instrument :

BNA_F

ClientSampleId :

OR-03-082219

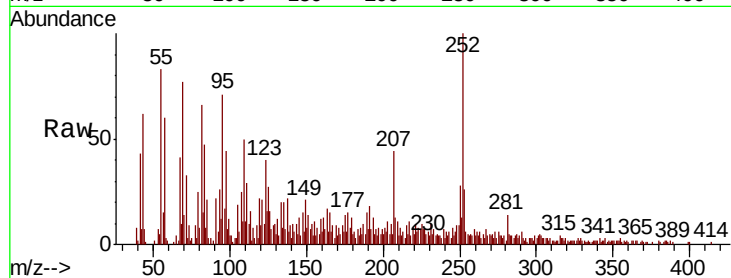
Tgt Ion:252 Resp: 31273

Ion Ratio Lower Upper

252 100

253 25.5 17.2 25.8

125 27.3 10.2 15.4#



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

