

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
 Data File : BF114881.D
 Acq On : 6 Jun 2019 23:48
 Operator : HP/JU
 Sample : K3189-03 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-7C

Quant Time: Jun 07 04:00:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	436911	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1586737	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	737254	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1247396	20.00	ng	0.00
76) Chrysene-d12	13.80	240	664756	20.00	ng	0.01
87) Perylene-d12	15.20	264	656875	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	1134110	45.36	ng	0.01
7) Phenol-d6	6.30	99	1370942	45.06	ng	0.00
23) Nitrobenzene-d5	7.23	82	801990	31.11	ng	0.00
42) 2,4,6-Tribromophenol	10.47	330	315809	39.75	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	1348881	34.27	ng	0.00
79) Terphenyl-d14	12.75	244	1029268	30.11	ng	0.00

Target Compounds

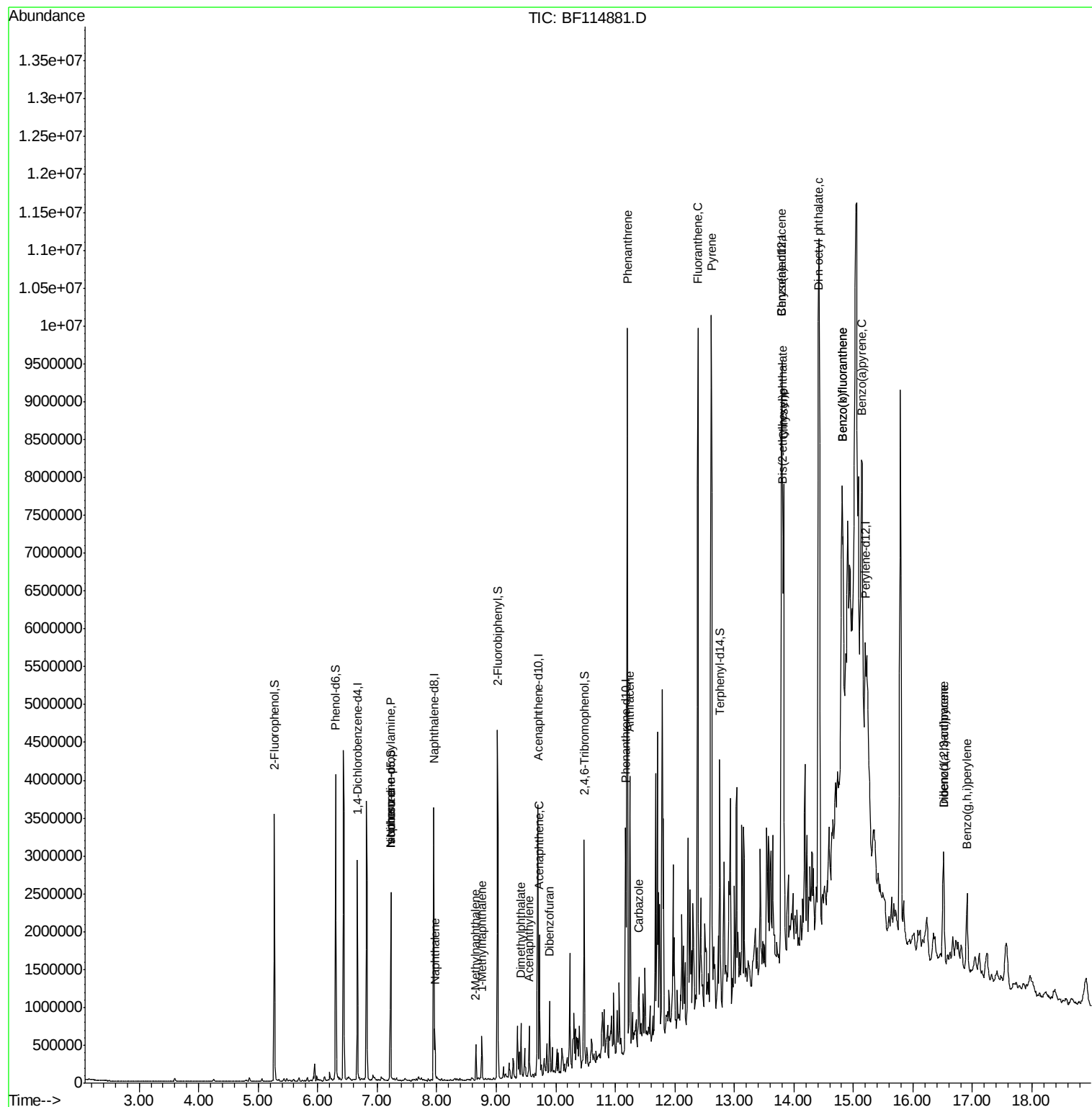
						Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	105538	5.240	ng	# 76
25) Isophorone	7.23	82	766631	15.044	ng	# 61
31) Naphthalene	7.97	128	256659	3.593	ng	95
37) 2-Methylnaphthalene	8.66	142	121315	2.448	ng	98
38) 1-Methylnaphthalene	8.76	142	139477	2.968	ng	99
49) Acenaphthylene	9.55	152	226737	3.367	ng	96
50) Dimethylphthalate	9.42	163	254960	4.735	ng	98
52) Acenaphthene	9.73	154	353506	8.015	ng	98
55) Dibenzofuran	9.90	168	220634	3.597	ng	# 92
71) Phenanthrene	11.20	178	4157965	69.824	ng	98
72) Anthracene	11.25	178	1395271	22.264	ng	97
73) Carbazole	11.40	167	335022	6.236	ng	95
75) Fluoranthene	12.39	202	4477097	72.235	ng	97
78) Pyrene	12.62	202	4908740	85.120	ng	97
81) Benzo(a)anthracene	13.79	228	2930697	57.211	ng	97
83) Chrysene	13.83	228	2608104	52.337	ng	98
84) Bis(2-ethylhexyl)phthalate	13.82	149	2255673	61.256	ng	# 55
85) Di-n-octyl phthalate	14.42	149	9913589	158.441	ng	# 95
86) Indeno(1,2,3-cd)pyrene	16.52	276	913474	16.066	ng	96
88) Benzo(b)fluoranthene	14.81	252	3023998	72.314	ng	98
89) Benzo(k)fluoranthene	14.81	252	3023998	85.153	ng	98
90) Benzo(a)pyrene	15.14	252	1621503	44.799	ng	98
91) Dibenzo(a,h)anthracene	16.52	278	296882	8.661	ng	93
92) Benzo(g,h,i)perylene	16.91	276	827905	24.018	ng	99

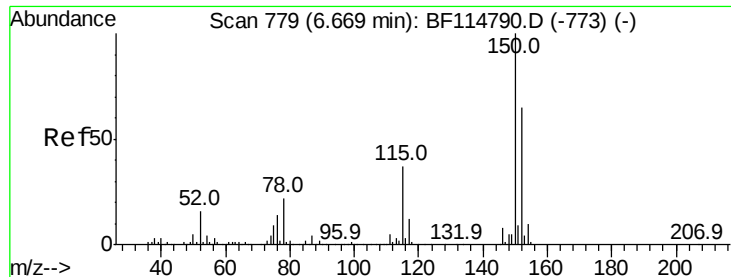
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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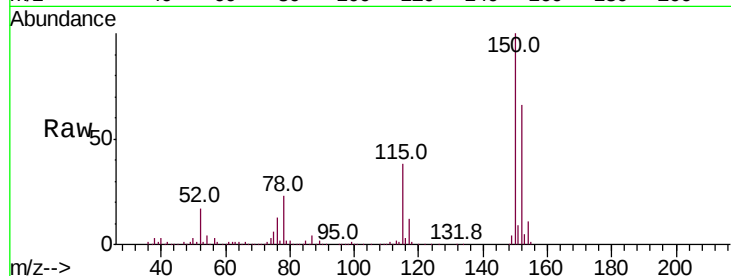


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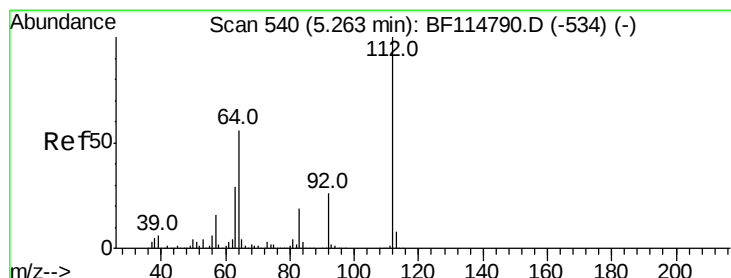
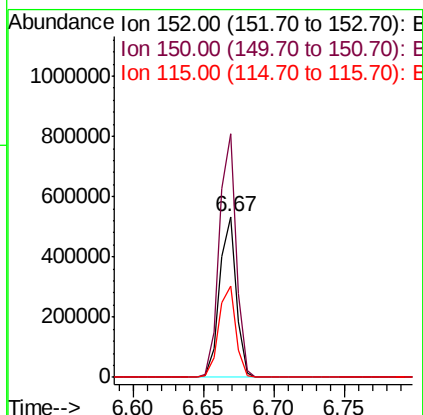
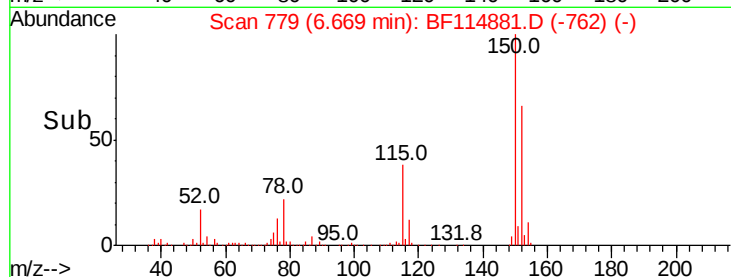
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114881.D
Acq: 6 Jun 2019 23:48

Instrument :
BNA_F
ClientSampled :
S-7C

Tot Ion:152 Resp: 436911
Ion Ratio Lower Upper
152 100
150 151.7 124.0 186.0
115 57.0 46.3 69.5



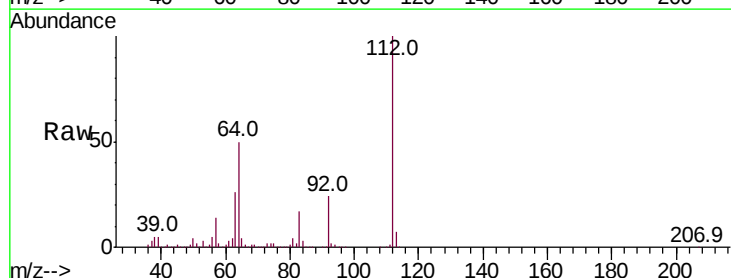
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



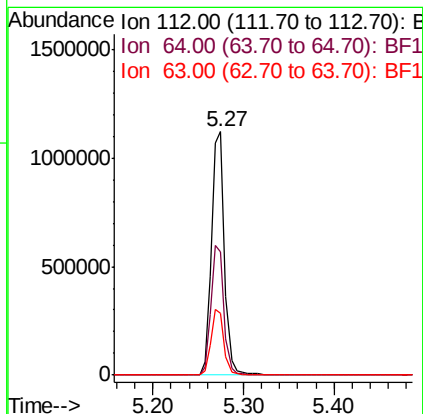
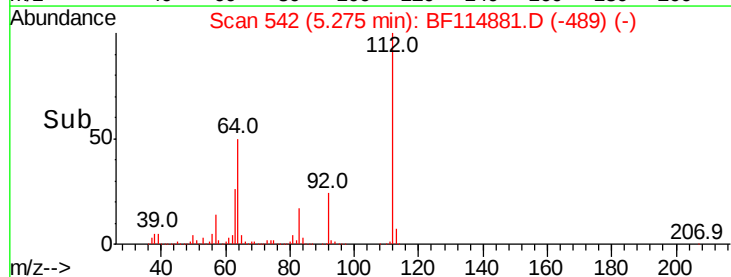
#5

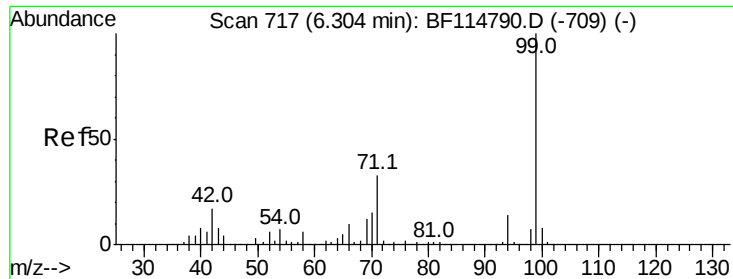
2-Fluorophenol
Concen: 45.357 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF114881.D
Acq: 6 Jun 2019 23:48

Tgt Ion:112 Resp: 1134110
Ion Ratio Lower Upper
112 100
64 50.5 44.6 66.8
63 25.6 23.0 34.4



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: 45.060 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF114881.D

Acq: 6 Jun 2019 23:48

Instrument :

BNA_F

ClientSampleId :

S-7C

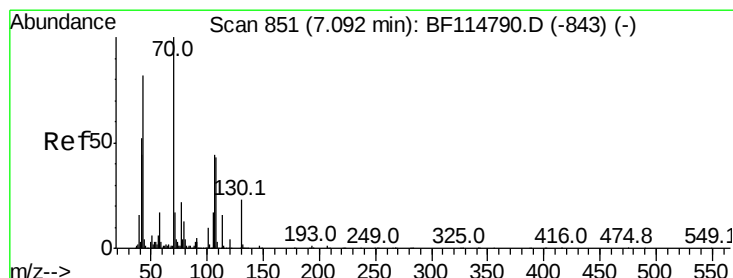
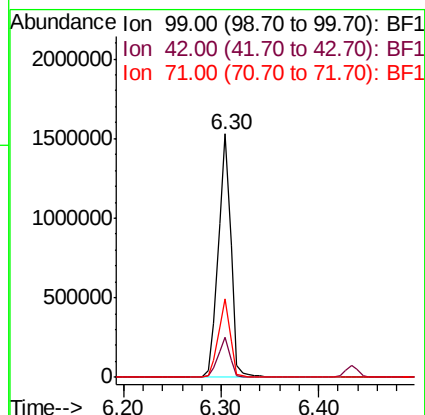
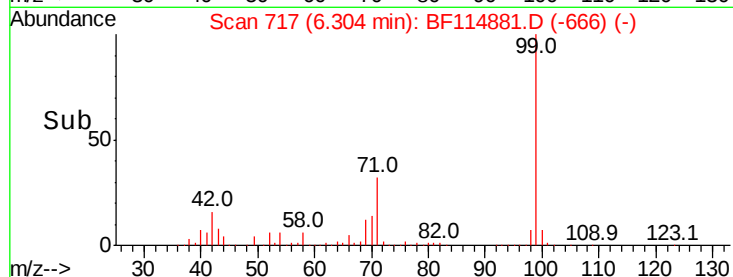
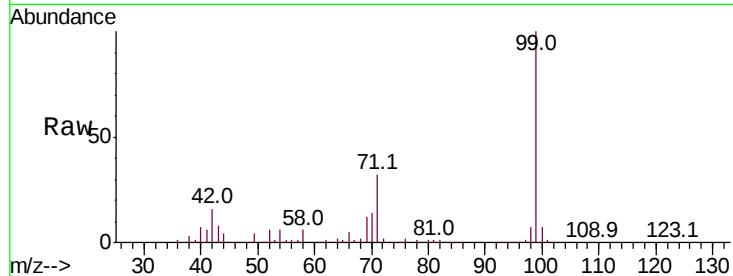
Tot Ion: 99 Resp: 1370942

Ion Ratio Lower Upper

99 100

42 16.3 13.3 19.9

71 32.4 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 5.240 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF114881.D

Acq: 6 Jun 2019 23:48

Tgt Ion: 70 Resp: 105538

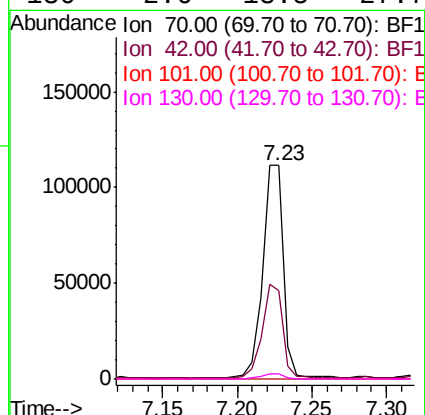
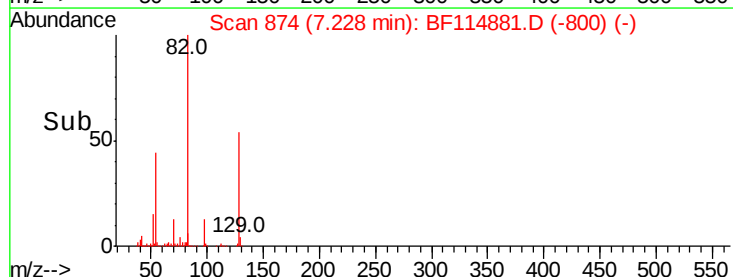
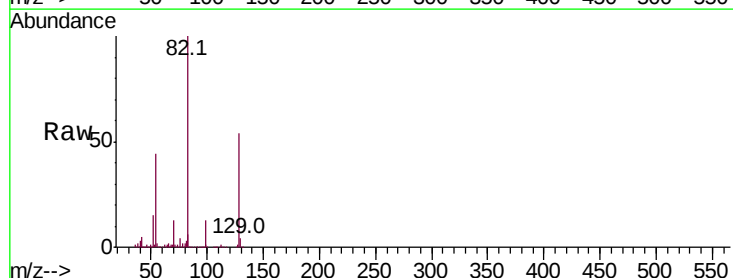
Ion Ratio Lower Upper

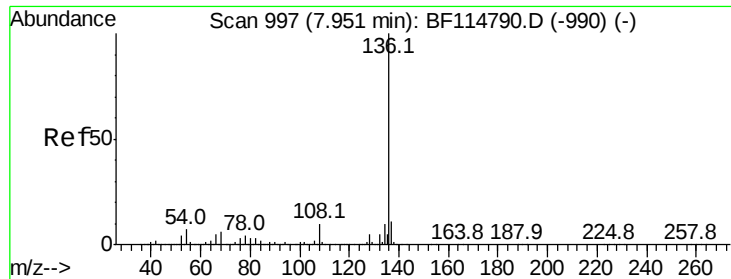
70 100

42 41.3 41.8 62.8#

101 0.0 8.2 12.4#

130 2.6 18.5 27.7#

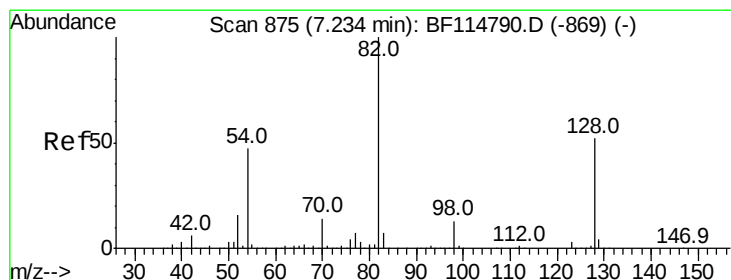
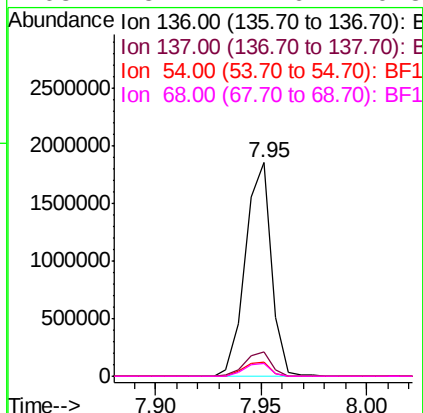
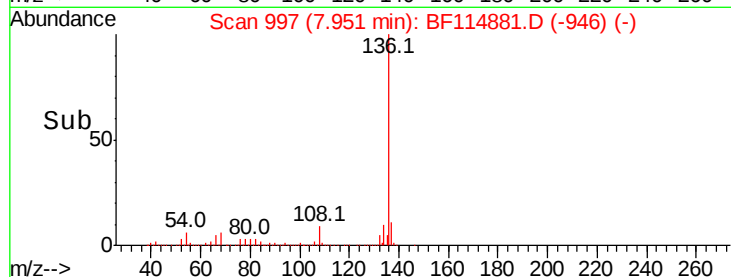
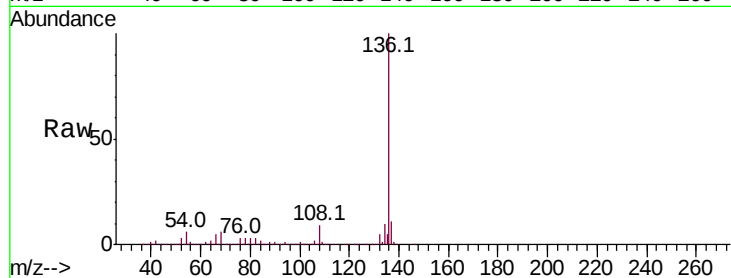




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF114881.D
Acq: 6 Jun 2019 23:48

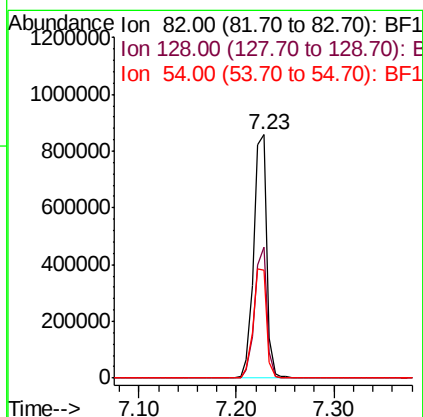
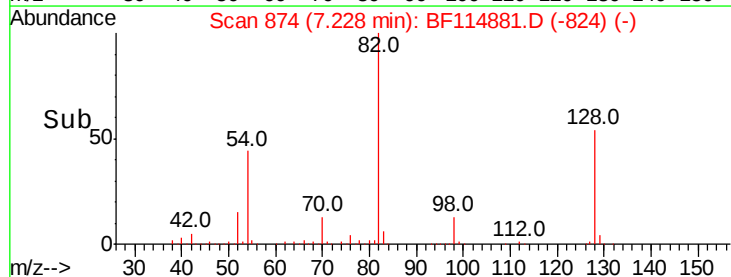
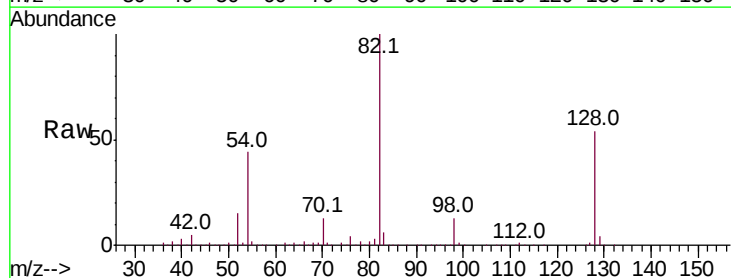
Instrument :
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ClientSampleId :
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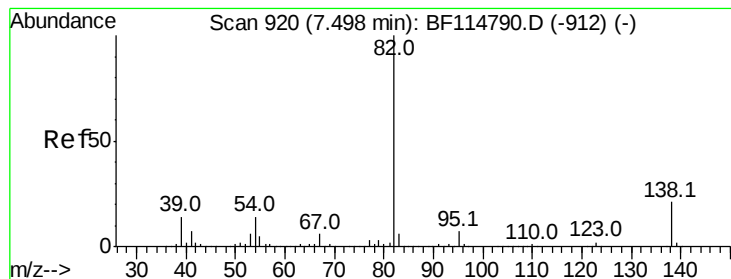
Tot Ion:	136	Resp:	1586737
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	6.3	5.4	8.0
68	5.7	4.6	6.8



#23
Nitrobenzene-d5
Concen: 31.114 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114881.D
Acq: 6 Jun 2019 23:48

Tgt Ion:	82	Resp:	801990
Ion	Ratio	Lower	Upper
82	100		
128	53.6	41.8	62.6
54	44.2	37.9	56.9





#25

Isophorone

Concen: 15.044 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.27 min

Lab File: BF114881.D

Acq: 6 Jun 2019 23:48

Instrument :

BNA_F

ClientSampleId :

S-7C

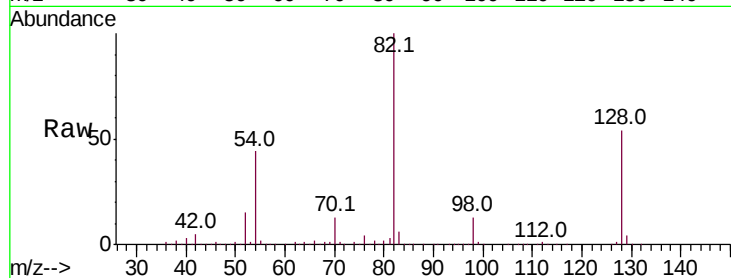
Tot Ion: 82 Resp: 766631

Ion Ratio Lower Upper

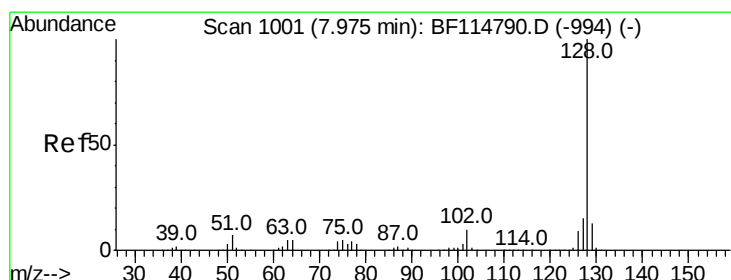
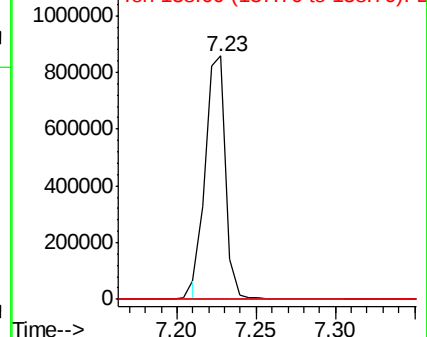
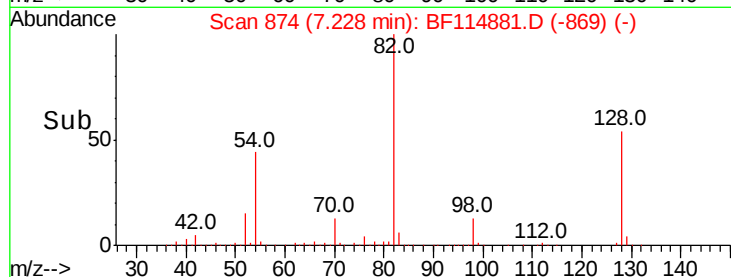
82 100

95 0.1 5.8 8.8#

138 0.0 16.9 25.3#



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



#31

Naphthalene

Concen: 3.593 ng

RT: 7.97 min Scan# 1000

Delta R.T. -0.01 min

Lab File: BF114881.D

Acq: 6 Jun 2019 23:48

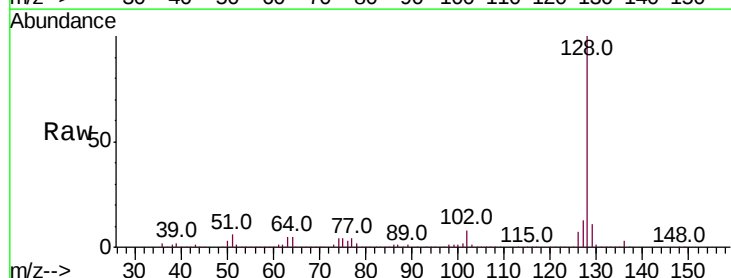
Tgt Ion:128 Resp: 256659

Ion Ratio Lower Upper

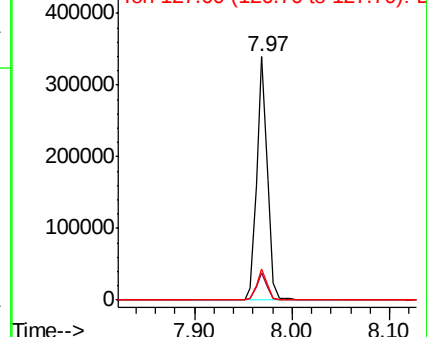
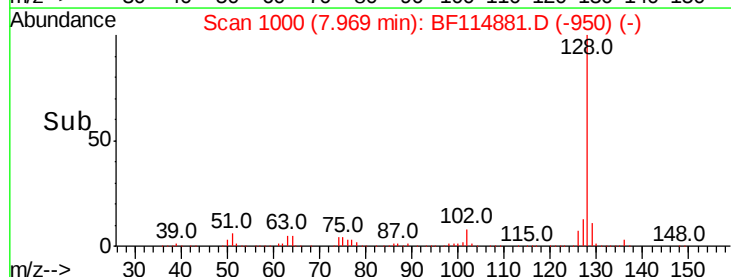
128 100

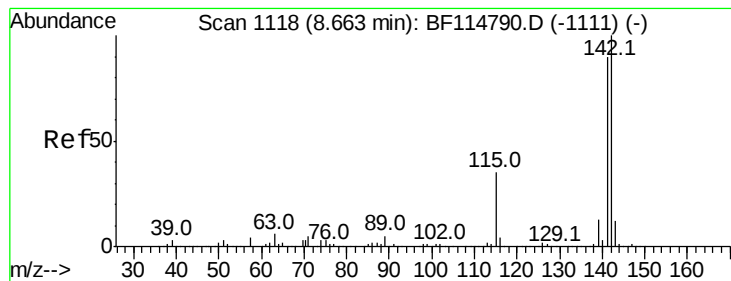
129 11.2 10.0 15.0

127 12.8 12.2 18.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

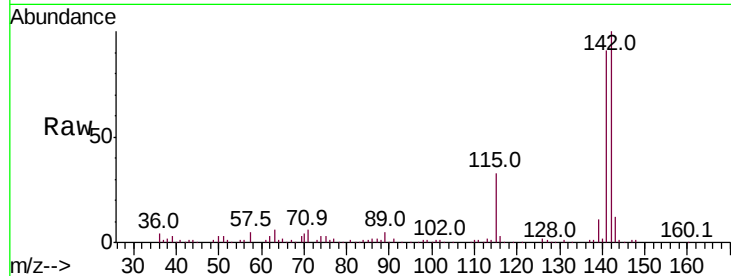




#37
2-Methylnaphthalene
Concen: 2.448 ng
RT: 8.66 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BF114881.D
Acq: 6 Jun 2019 23:48

Instrument :
BNA_F
ClientSampled :
S-7C

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.5	71.6	107.4
115	33.2	28.2	42.4

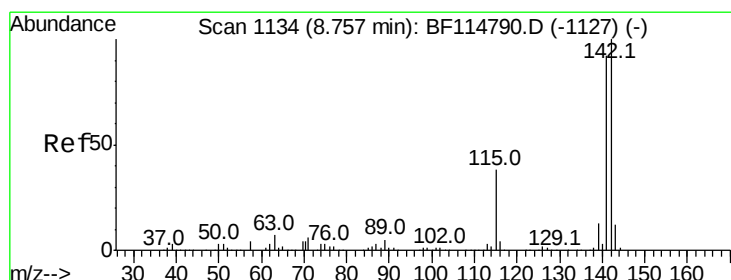
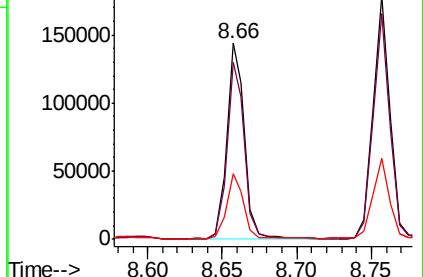
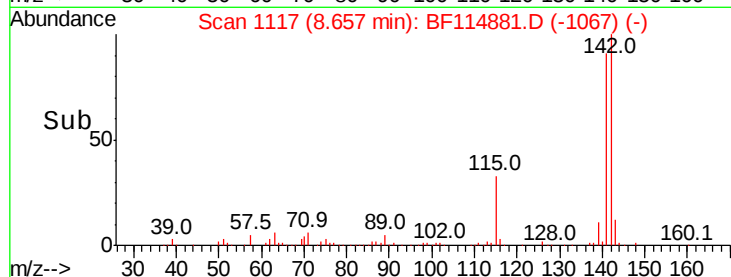


Abundance

Ion 142.00 (141.70 to 142.70): E

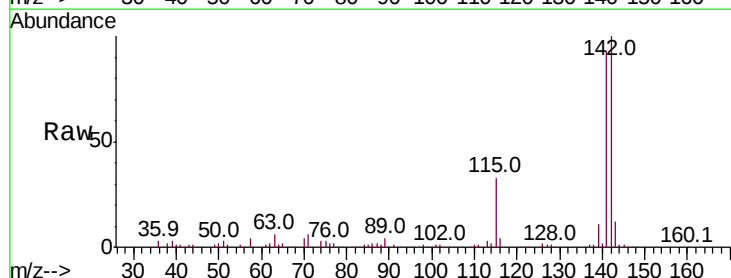
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 2.968 ng
RT: 8.76 min Scan# 1134
Delta R.T. 0.00 min
Lab File: BF114881.D
Acq: 6 Jun 2019 23:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.8	110.6
116	3.6	3.3	4.9

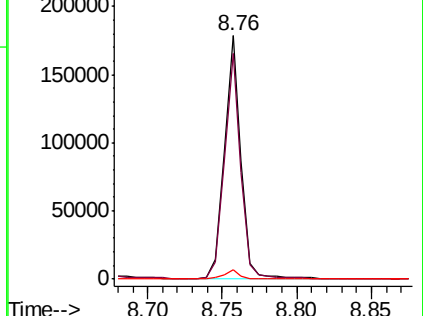
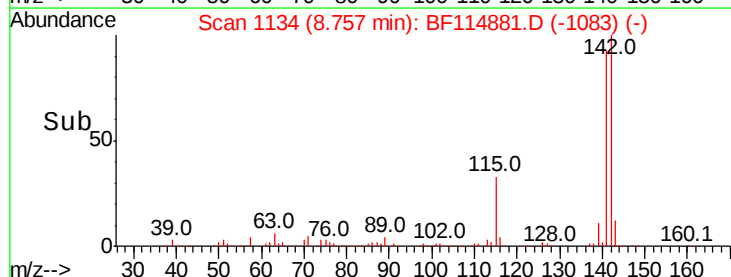


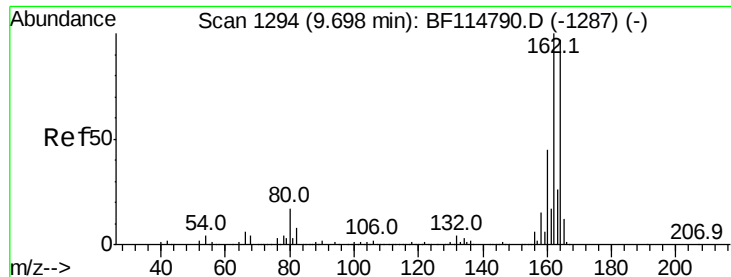
Abundance

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

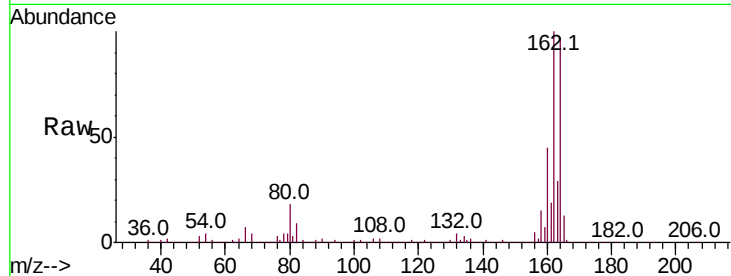




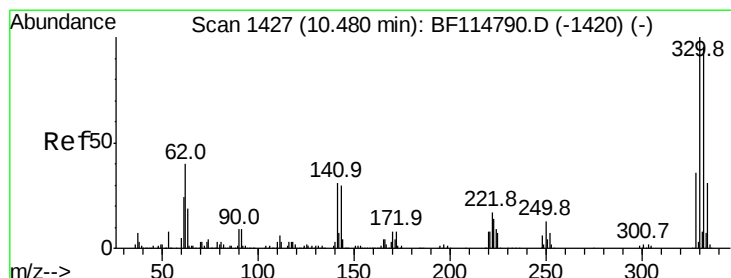
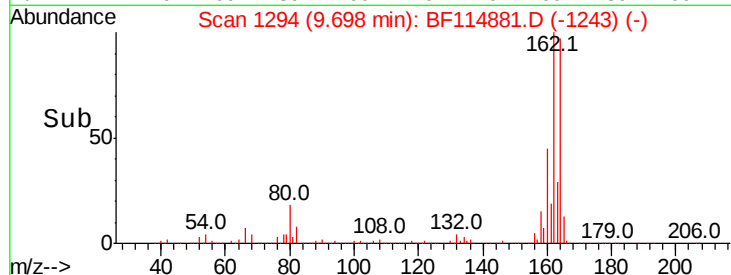
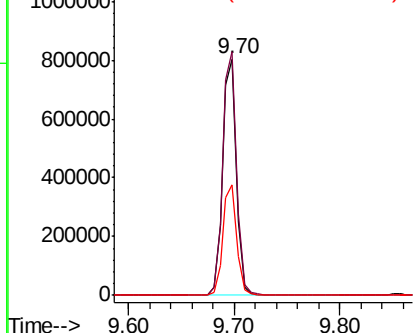
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: BF114881.D
 Acq: 6 Jun 2019 23:48

Instrument :
 BNA_F
 ClientSampleId :
 S-7C

Tot Ion:164 Resp: 737254
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.3 123.5
 160 46.8 36.7 55.1

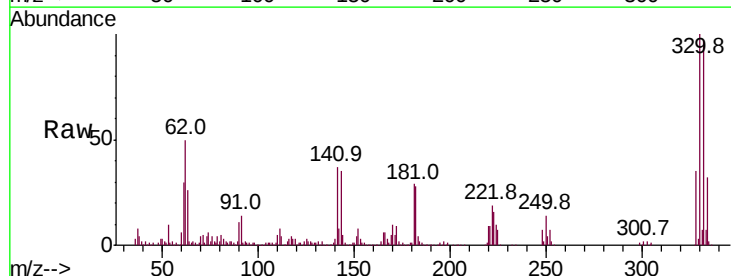


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

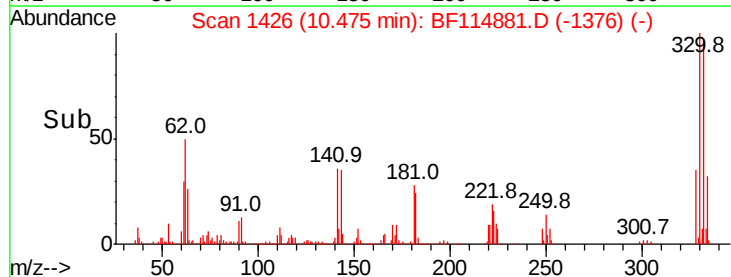
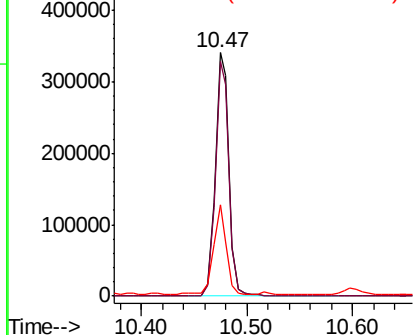


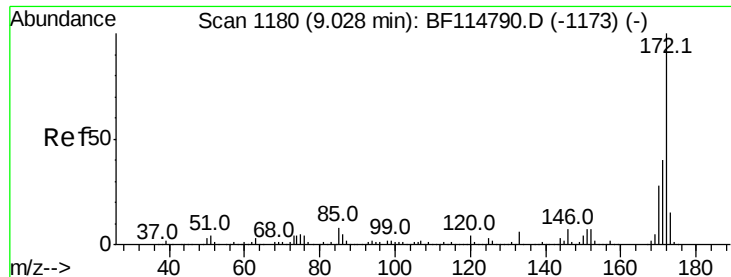
#42
 2,4,6-Tribromophenol
 Concen: 39.749 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF114881.D
 Acq: 6 Jun 2019 23:48

Tgt Ion:330 Resp: 315809
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.3 115.9
 141 34.9 26.2 39.4



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

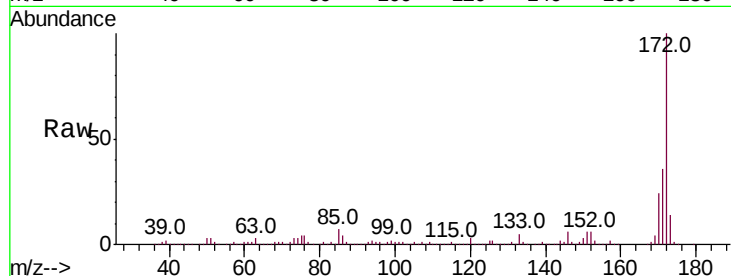




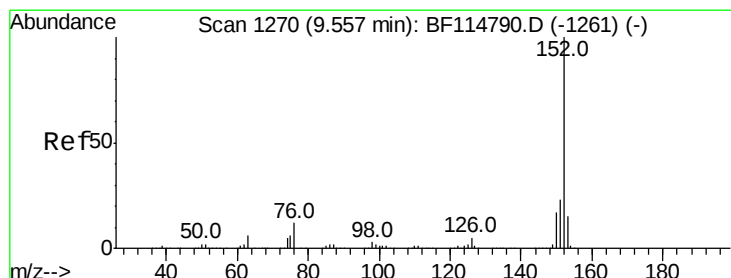
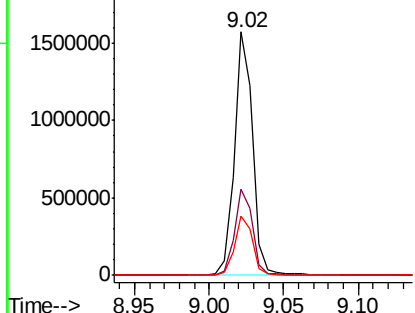
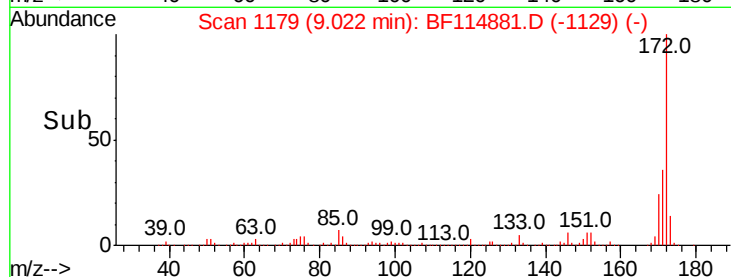
#45
2-Fluorobiphenyl
Concen: 34.273 ng
RT: 9.02 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF114881.D
Acq: 6 Jun 2019 23:48

Instrument :
BNA_F
ClientSampleId :
S-7C

Tot Ion:172 Resp: 1348881
Ion Ratio Lower Upper
172 100
171 35.6 32.3 48.5
170 24.4 22.4 33.6

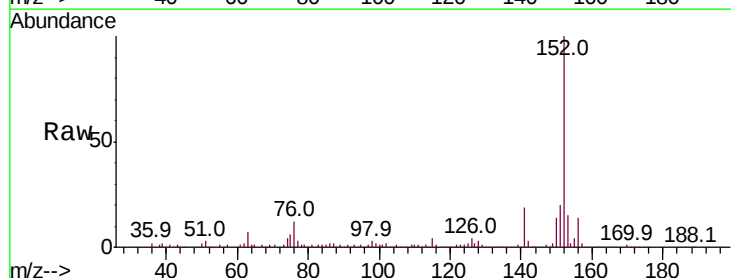


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

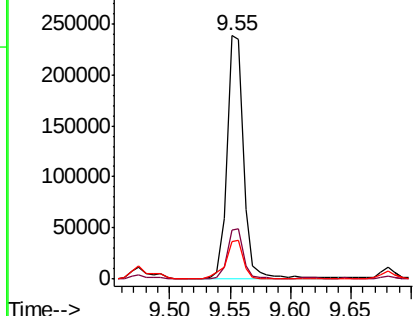
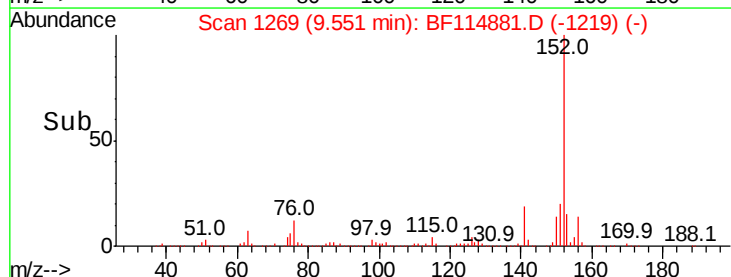


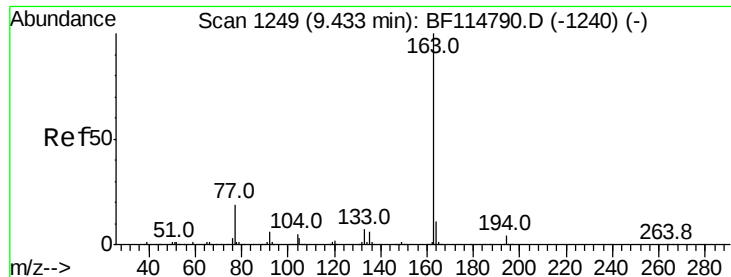
#49
Acenaphthylene
Concen: 3.367 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF114881.D
Acq: 6 Jun 2019 23:48

Tgt Ion:152 Resp: 226737
Ion Ratio Lower Upper
152 100
151 20.0 18.3 27.5
153 15.2 12.3 18.5



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

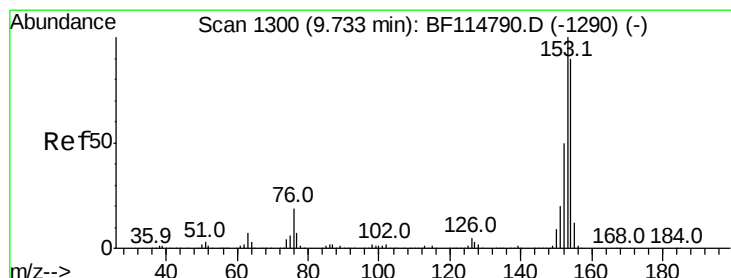
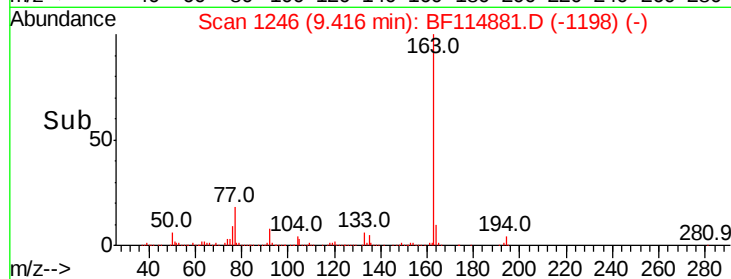
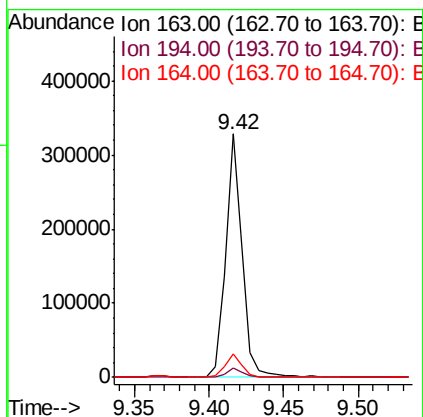
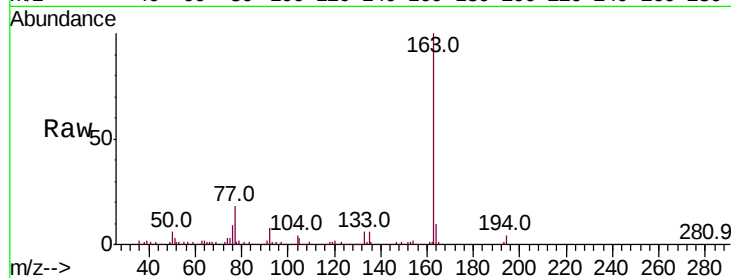




#50
Dimethylphthalate
Concen: 4.735 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF114881.D
Acq: 6 Jun 2019 23:48

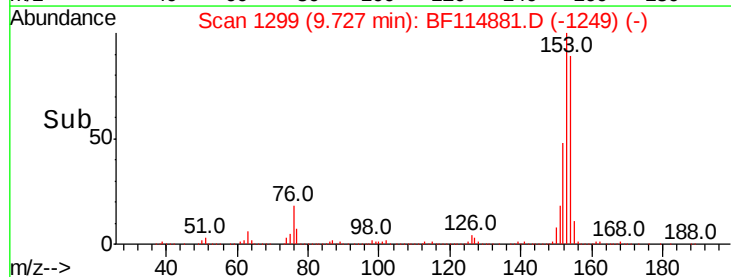
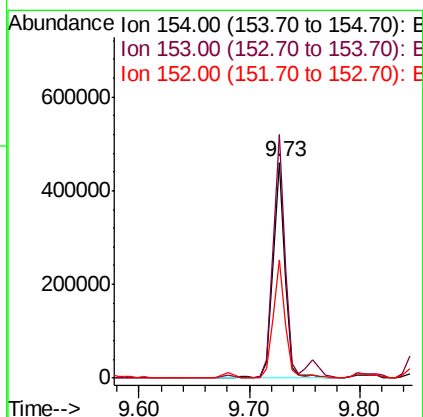
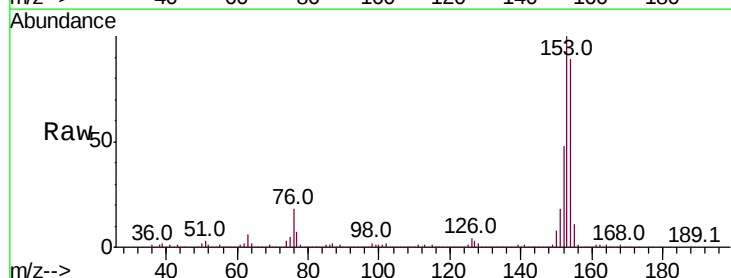
Instrument :
BNA_F
ClientSampleId :
S-7C

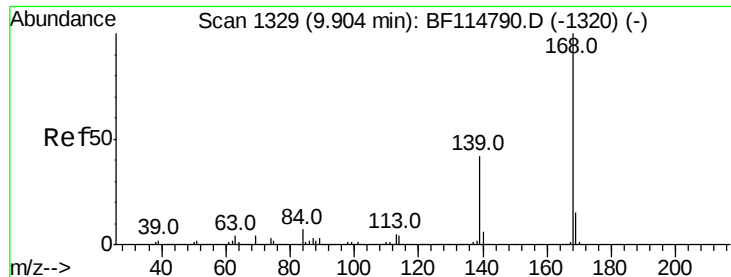
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.2
164	9.9	8.6	13.0



#52
Acenaphthene
Concen: 8.015 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF114881.D
Acq: 6 Jun 2019 23:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.8	88.5	132.7
152	54.6	44.1	66.1

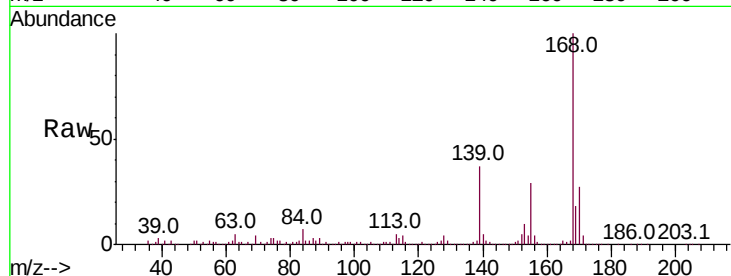




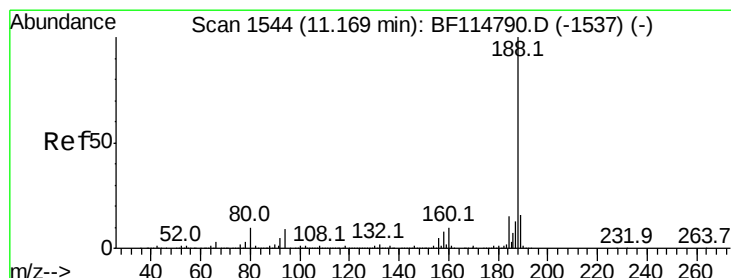
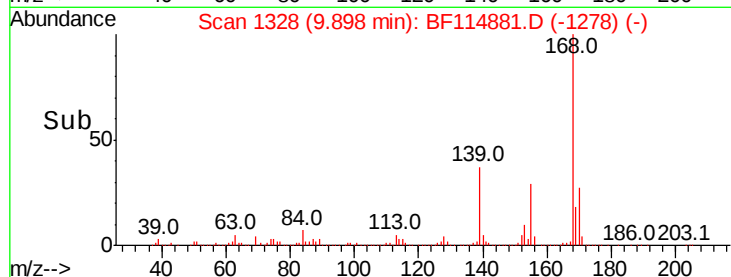
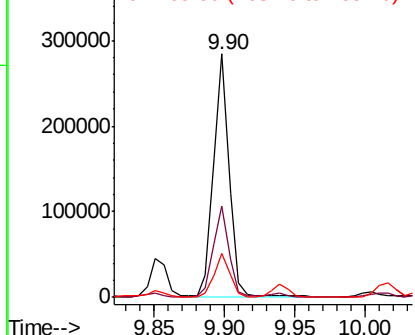
#55
Dibenzofuran
Concen: 3.597 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF114881.D
Acq: 6 Jun 2019 23:48

Instrument :
BNA_F
ClientSampleId :
S-7C

Tot Ion:168 Resp: 220634
Ion Ratio Lower Upper
168 100
139 37.3 33.8 50.6
169 17.9 11.9 17.9#

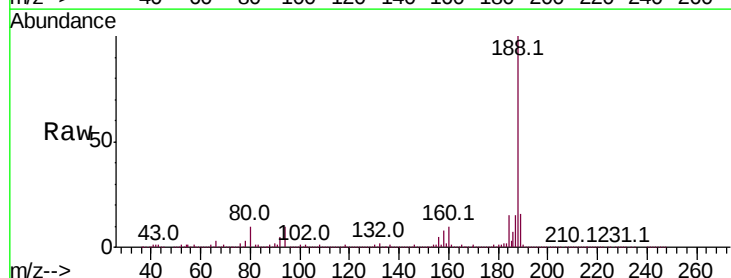


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

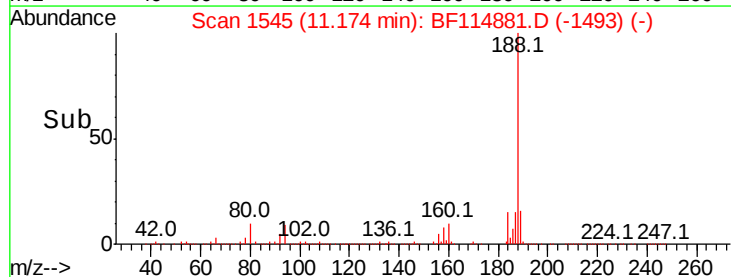
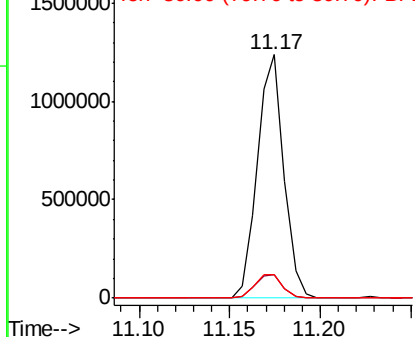


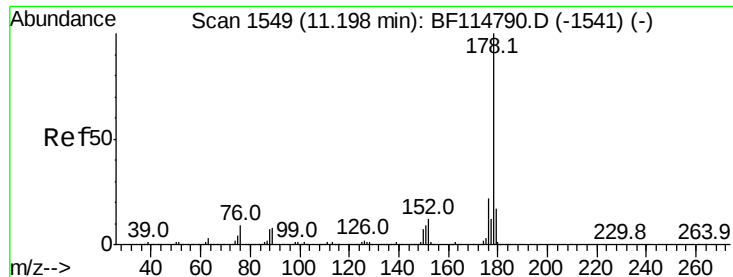
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1545
Delta R.T. 0.01 min
Lab File: BF114881.D
Acq: 6 Jun 2019 23:48

Tgt Ion:188 Resp: 1247396
Ion Ratio Lower Upper
188 100
94 9.5 7.6 11.4
80 9.9 8.3 12.5



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





#71

Phenanthrene

Concen: 69.824 ng

RT: 11.20 min Scan# 1550

Delta R.T. 0.01 min

Lab File: BF114881.D

Acq: 6 Jun 2019 23:48

Instrument :

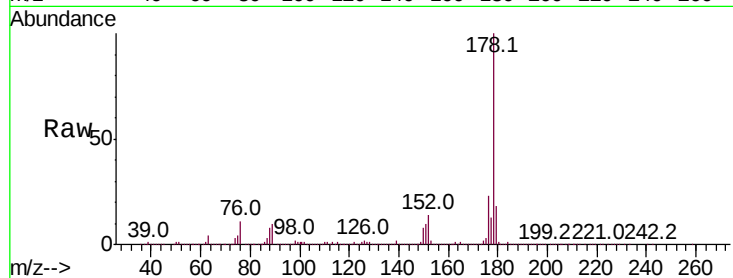
BNA_F

ClientSampleId :

S-7C

Tot Ion:178 Resp: 4157965

Ion	Ratio	Lower	Upper
178	100		
176	23.0	17.7	26.5
179	18.5	13.7	20.5

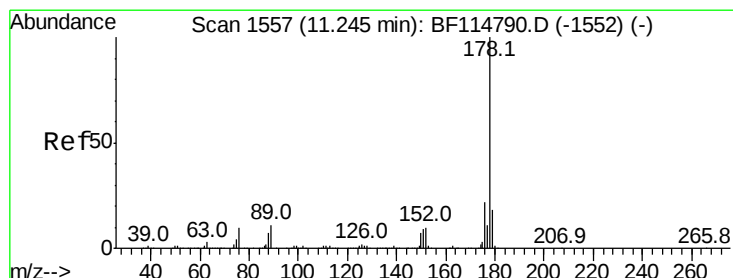
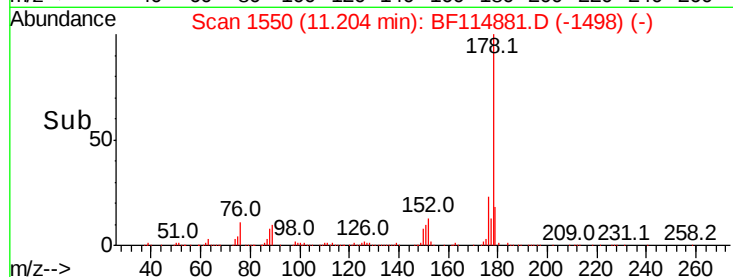
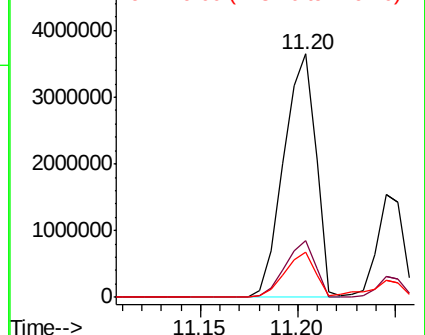


Abundance

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: 22.264 ng

RT: 11.25 min Scan# 1557

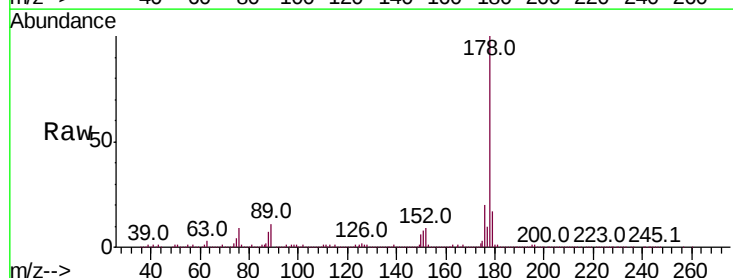
Delta R.T. 0.00 min

Lab File: BF114881.D

Acq: 6 Jun 2019 23:48

Tgt Ion:178 Resp: 1395271

Ion	Ratio	Lower	Upper
178	100		
176	19.9	17.4	26.0
179	16.8	14.2	21.4

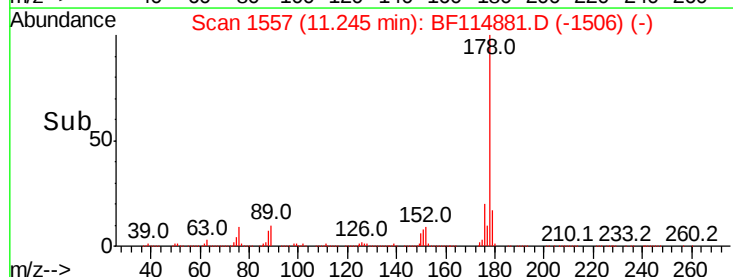
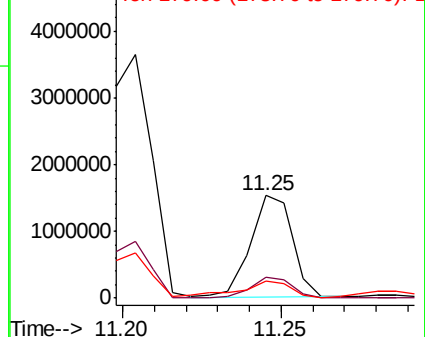


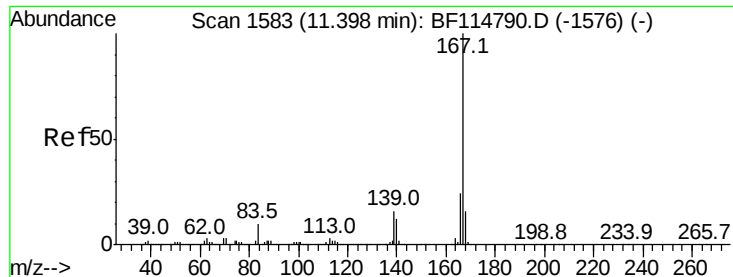
Abundance

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





#73

Carbazole

Concen: 6.236 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BF114881.D

Acq: 6 Jun 2019 23:48

Instrument :

BNA_F

ClientSampled :

S-7C

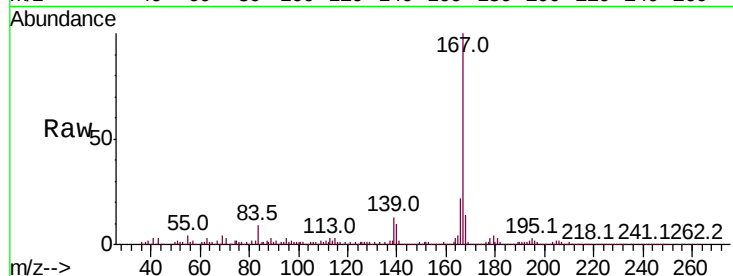
Tot Ion:167 Resp: 335022

Ion Ratio Lower Upper

167 100

166 21.9 19.1 28.7

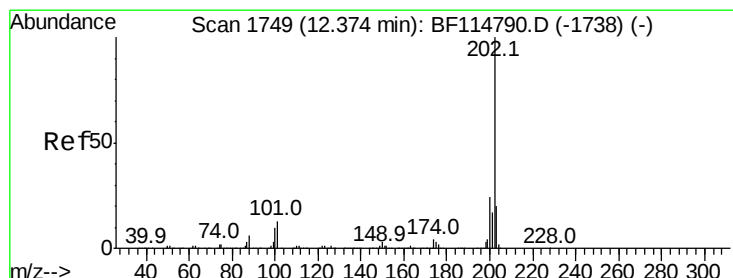
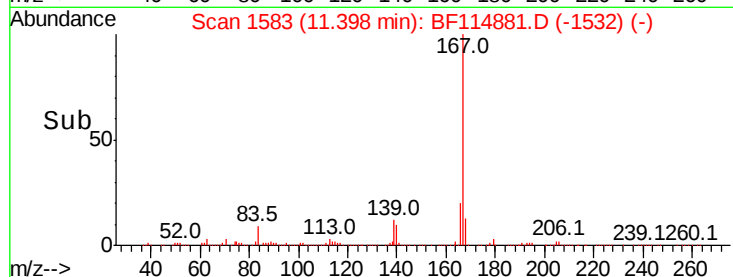
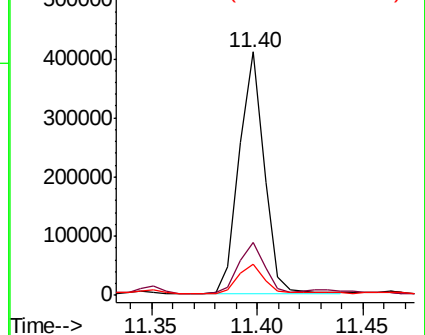
139 12.9 12.4 18.6



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: 72.235 ng

RT: 12.39 min Scan# 1751

Delta R.T. 0.01 min

Lab File: BF114881.D

Acq: 6 Jun 2019 23:48

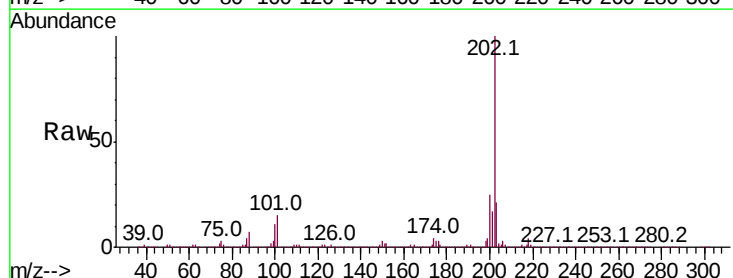
Tgt Ion:202 Resp: 4477097

Ion Ratio Lower Upper

202 100

101 14.6 0.0 32.8

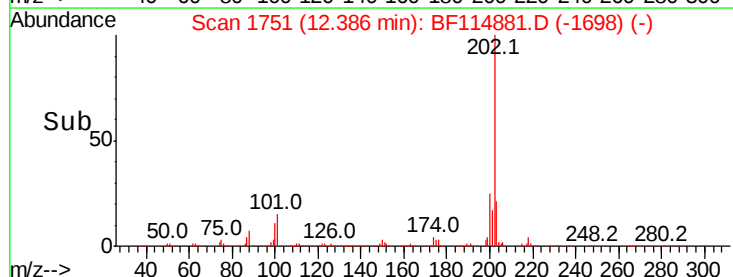
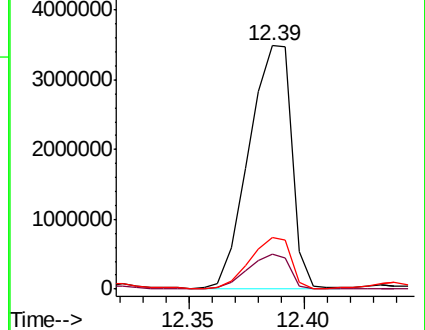
203 21.2 0.2 40.2

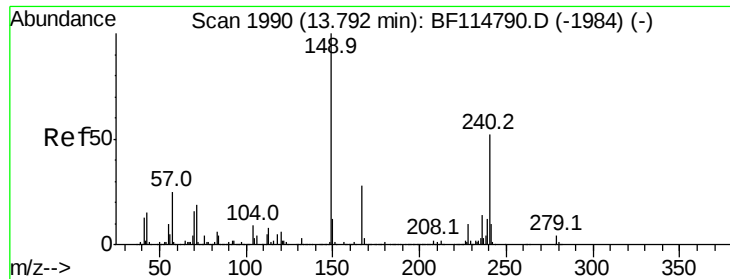


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

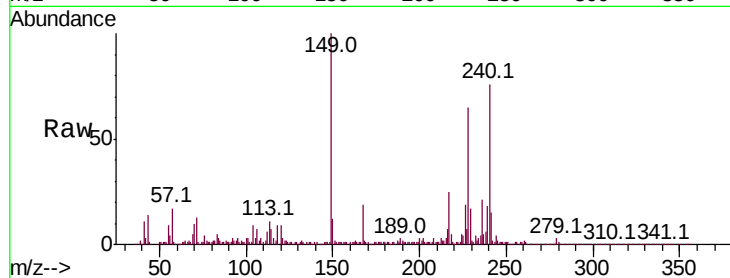




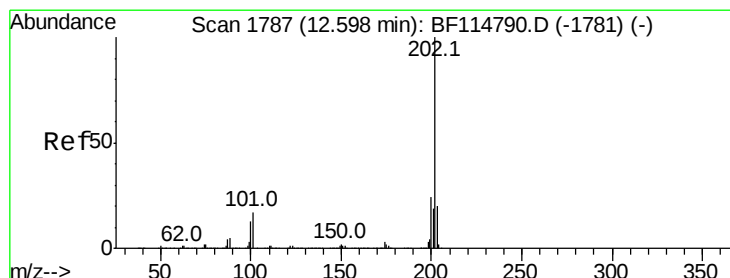
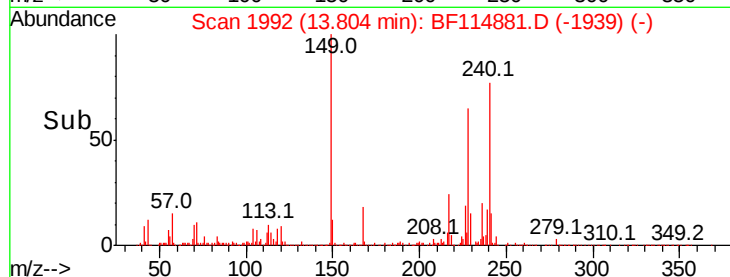
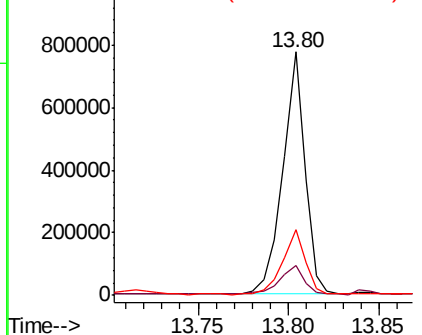
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.80 min Scan# 1992
Delta R.T. 0.01 min
Lab File: BF114881.D
Acq: 6 Jun 2019 23:48

Instrument :
BNA_F
ClientSampleId :
S-7C

Tot Ion:240 Resp: 664756
Ion Ratio Lower Upper
240 100
120 12.2 9.0 13.4
236 26.9 21.4 32.0

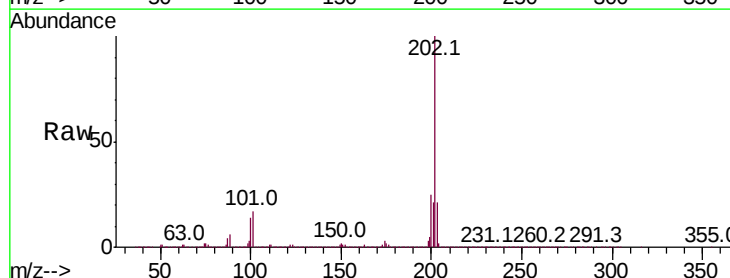


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

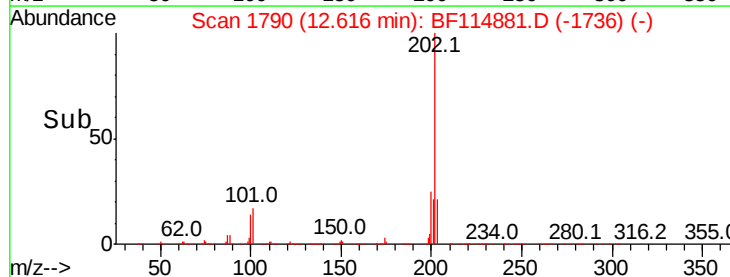
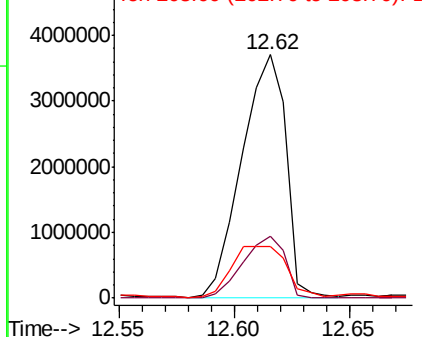


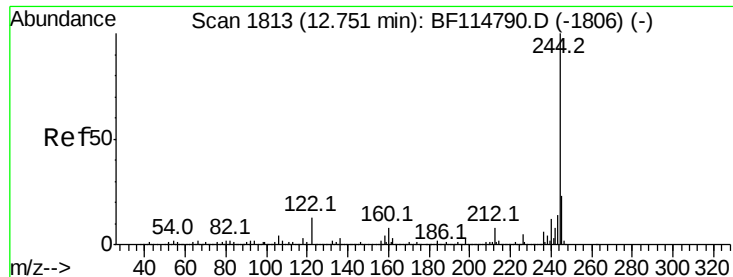
#78
Pyrene
Concen: 85.120 ng
RT: 12.62 min Scan# 1790
Delta R.T. 0.02 min
Lab File: BF114881.D
Acq: 6 Jun 2019 23:48

Tgt Ion:202 Resp: 4908740
Ion Ratio Lower Upper
202 100
200 25.4 19.2 28.8
203 21.2 15.9 23.9



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

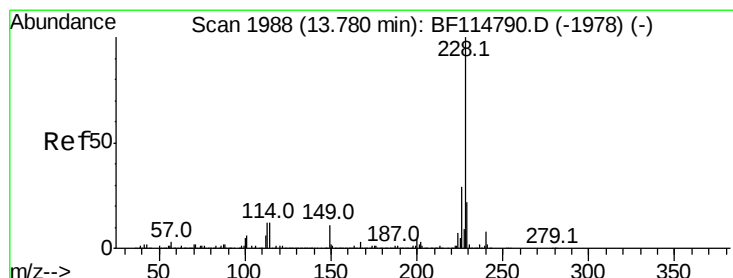
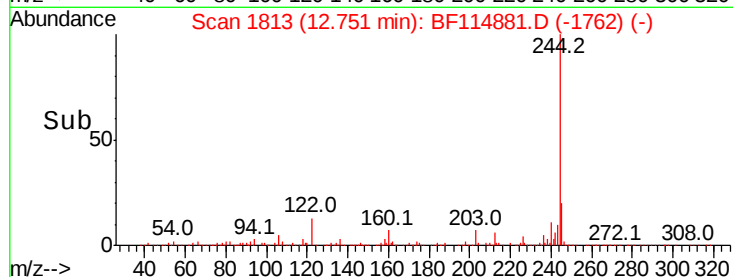
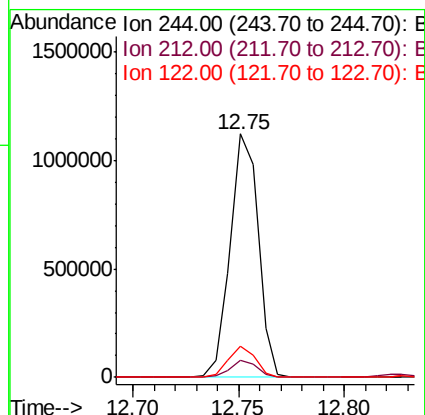
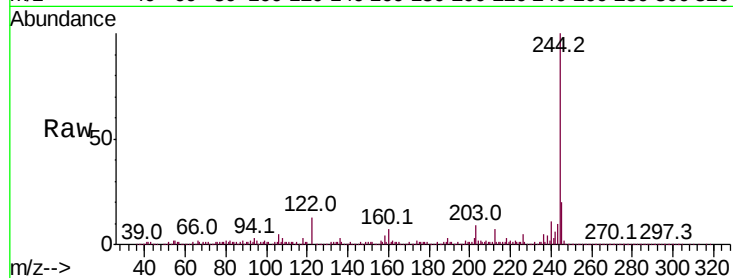




#79
 Terphenyl-d14
 Concen: 30.111 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: BF114881.D
 Acq: 6 Jun 2019 23:48

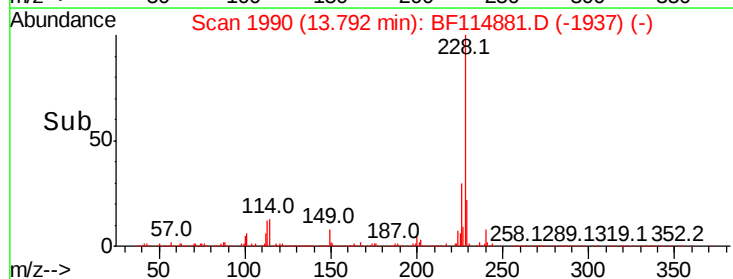
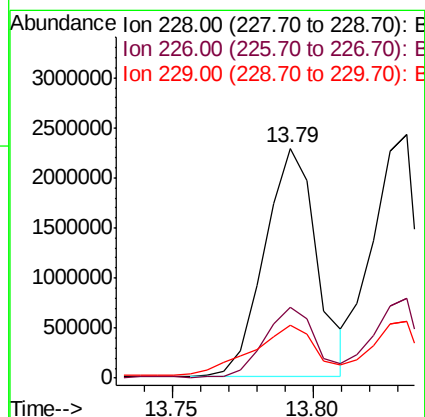
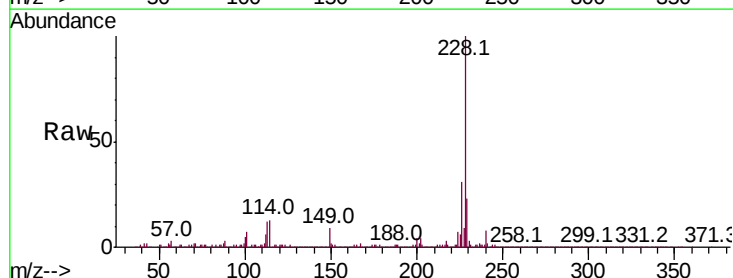
Instrument :
 BNA_F
 ClientSampled :
 S-7C

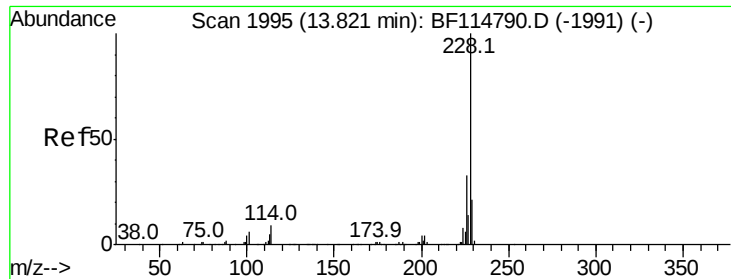
Tot Ion:244 Resp: 1029268
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.5 9.7
 122 12.9 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 57.211 ng
 RT: 13.79 min Scan# 1990
 Delta R.T. 0.01 min
 Lab File: BF114881.D
 Acq: 6 Jun 2019 23:48

Tgt Ion:228 Resp: 2930697
 Ion Ratio Lower Upper
 228 100
 226 30.8 23.4 35.2
 229 22.8 17.4 26.0





#83

Chrysene

Concen: 52.337 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BF114881.D

Acq: 6 Jun 2019 23:48

Instrument :

BNA_F

ClientSampleId :

S-7C

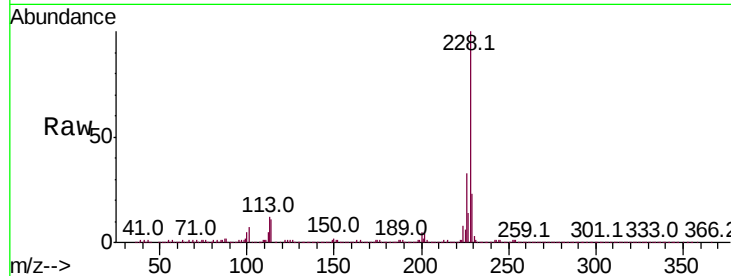
Tot Ion:228 Resp: 2608104

Ion Ratio Lower Upper

228 100

226 32.5 26.0 39.0

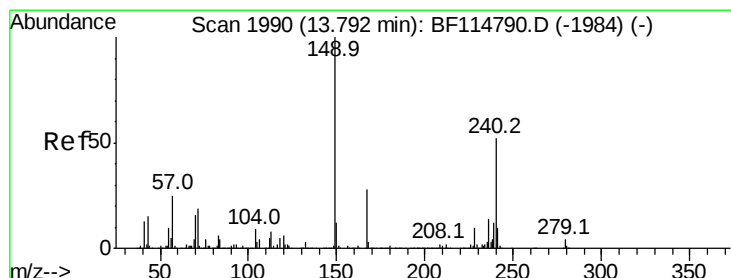
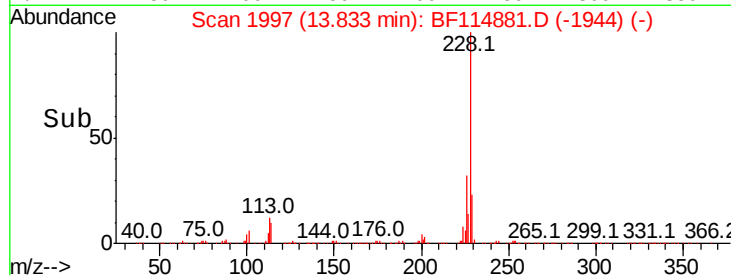
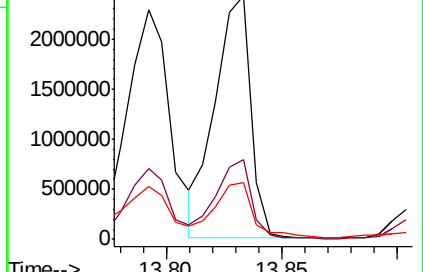
229 23.4 17.1 25.7



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 61.256 ng

RT: 13.82 min Scan# 1994

Delta R.T. 0.02 min

Lab File: BF114881.D

Acq: 6 Jun 2019 23:48

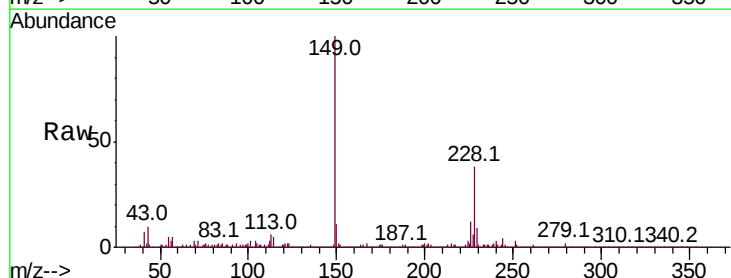
Tgt Ion:149 Resp: 2255673

Ion Ratio Lower Upper

149 100

167 2.1 22.7 34.1#

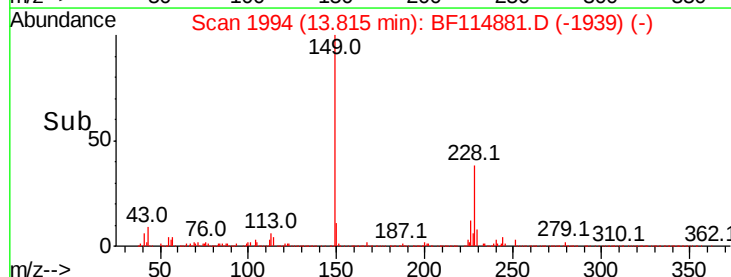
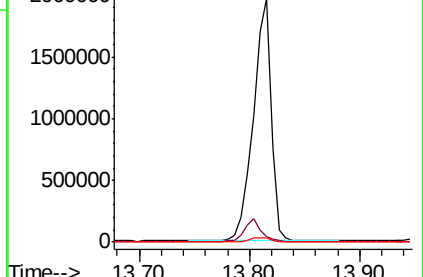
279 1.6 3.1 4.7#

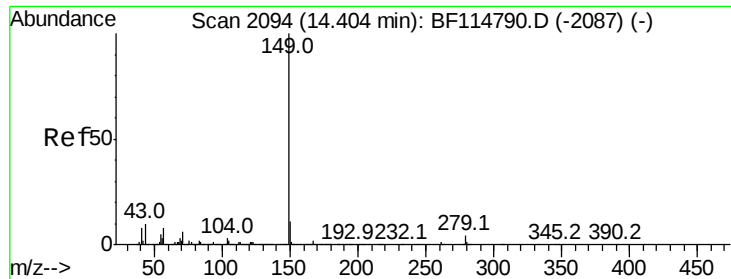


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 158.441 ng

RT: 14.42 min Scan# 2097

Delta R.T. 0.02 min

Lab File: BF114881.D

Acq: 6 Jun 2019 23:48

Instrument :

BNA_F

ClientSampleId :

S-7C

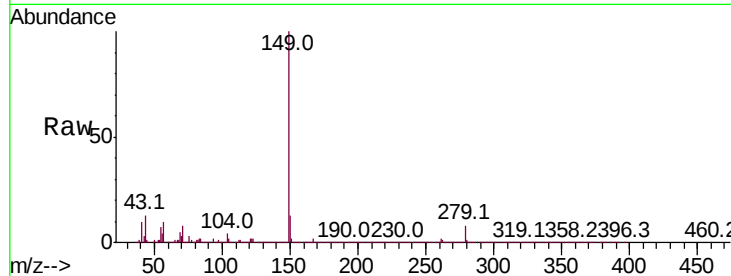
Tot Ion:149 Resp: 9913589

Ion Ratio Lower Upper

149 100

167 2.0 1.4 2.0

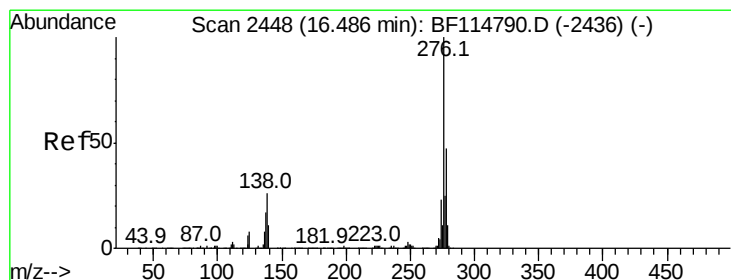
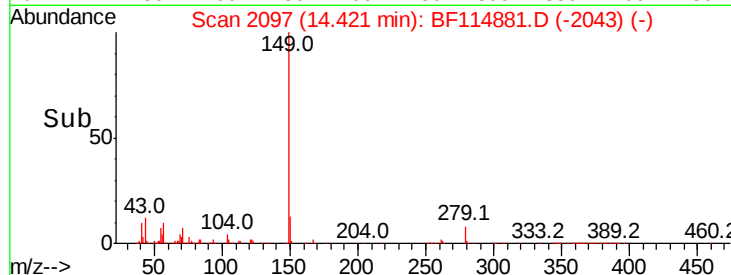
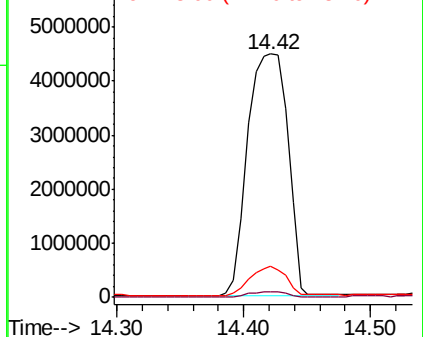
43 10.7 7.0 10.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 16.066 ng

RT: 16.52 min Scan# 2453

Delta R.T. 0.03 min

Lab File: BF114881.D

Acq: 6 Jun 2019 23:48

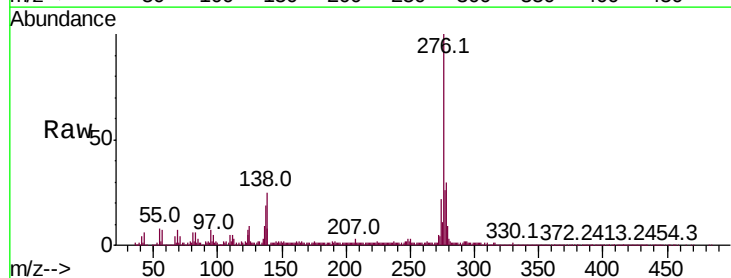
Tgt Ion:276 Resp: 913474

Ion Ratio Lower Upper

276 100

138 25.4 22.2 33.4

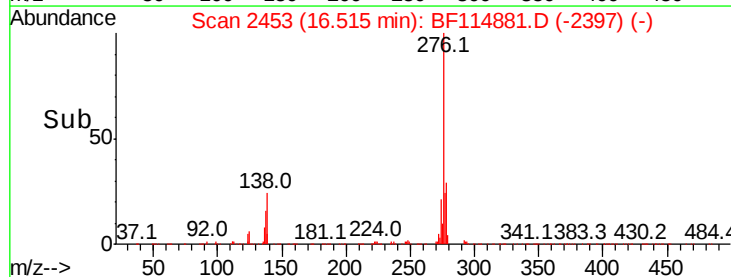
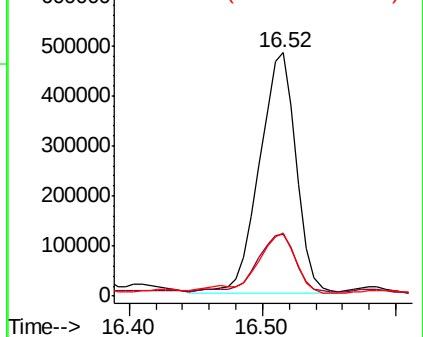
277 27.7 20.6 30.8

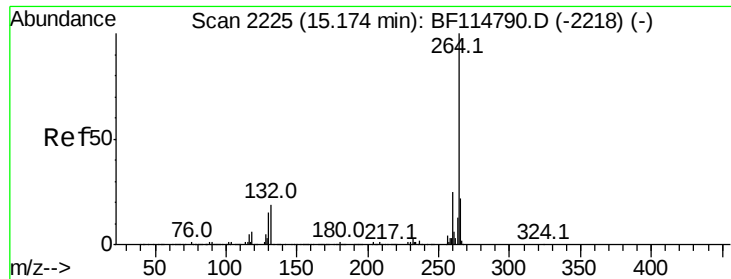


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.20 min Scan# 2229

Delta R.T. 0.02 min

Lab File: BF114881.D

Acq: 6 Jun 2019 23:48

Instrument :

BNA_F

ClientSampleId :

S-7C

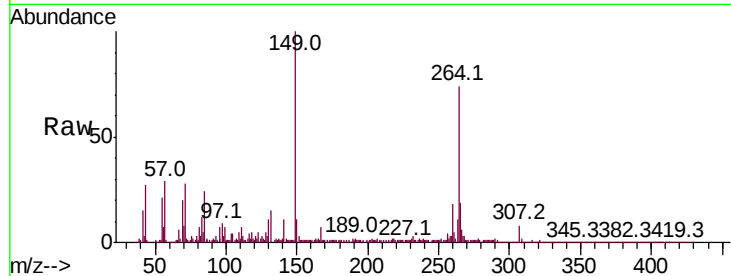
Tot Ion:264 Resp: 656875

Ion Ratio Lower Upper

264 100

260 24.8 20.1 30.1

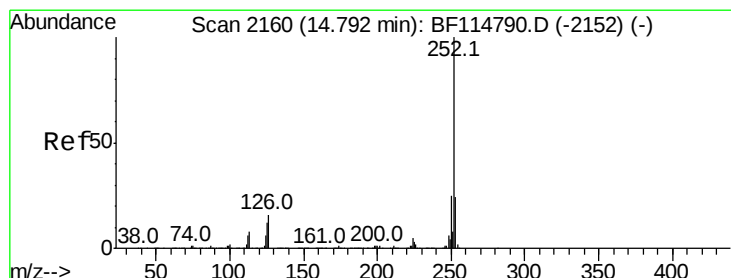
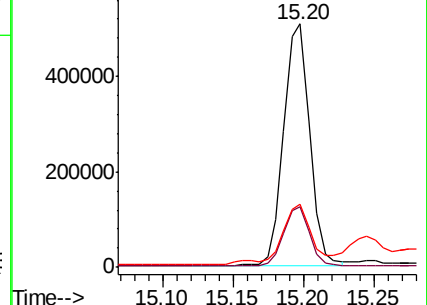
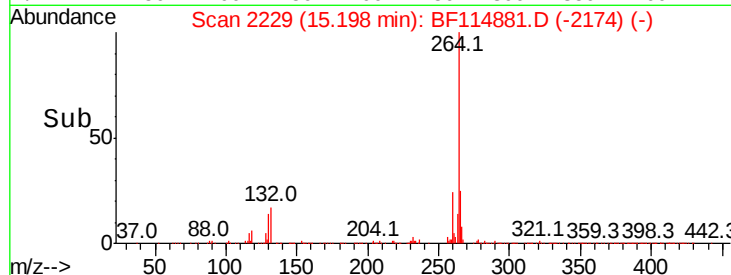
265 26.0 17.7 26.5



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: 72.314 ng

RT: 14.81 min Scan# 2163

Delta R.T. 0.02 min

Lab File: BF114881.D

Acq: 6 Jun 2019 23:48

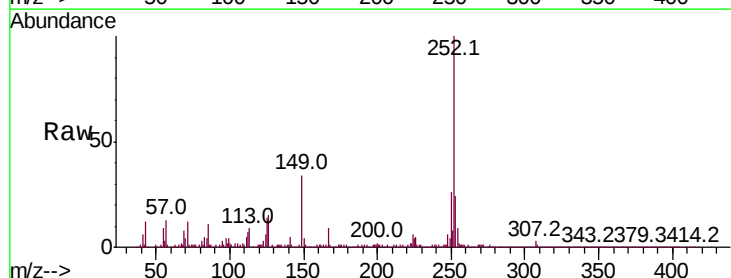
Tgt Ion:252 Resp: 3023998

Ion Ratio Lower Upper

252 100

253 23.6 19.0 28.6

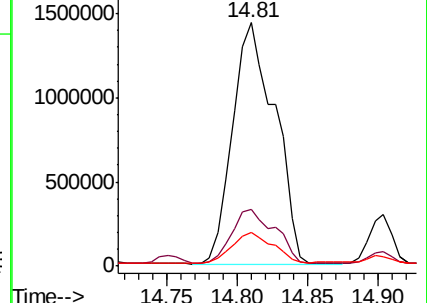
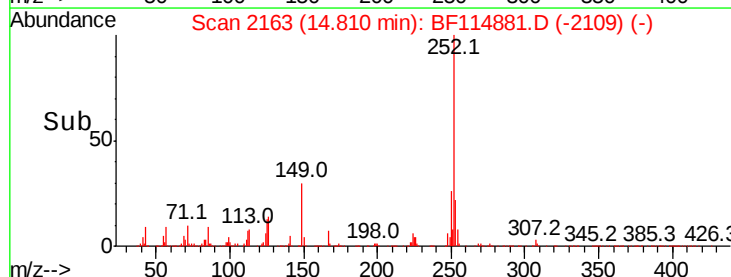
125 13.7 9.4 14.0

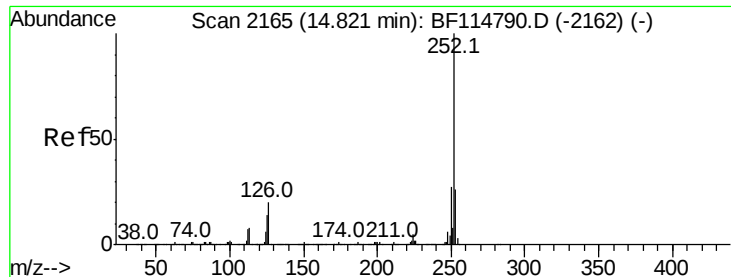


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

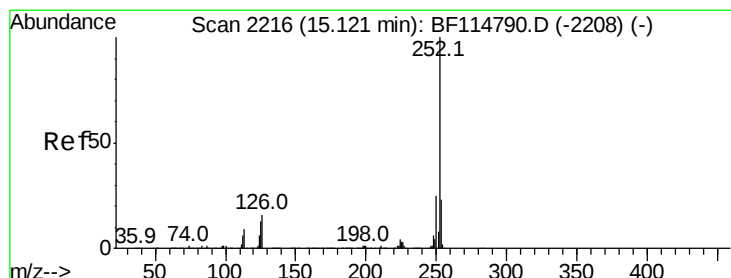
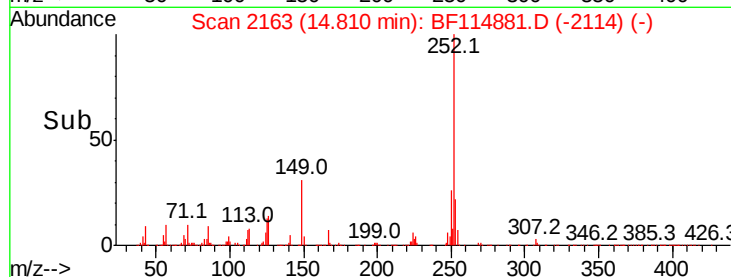
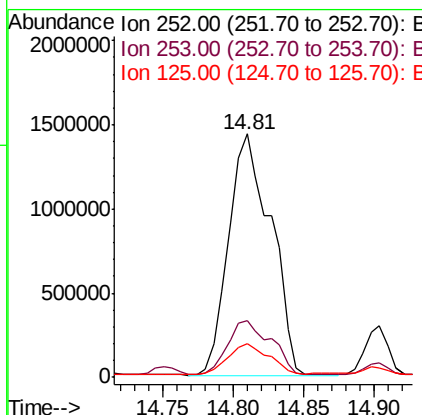
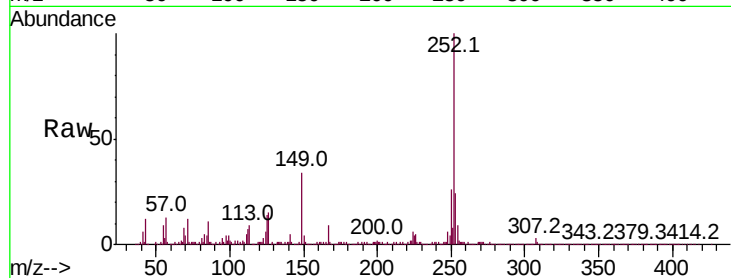




#89
Benzo(k)fluoranthene
Concen: 85.153 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF114881.D
Acq: 6 Jun 2019 23:48

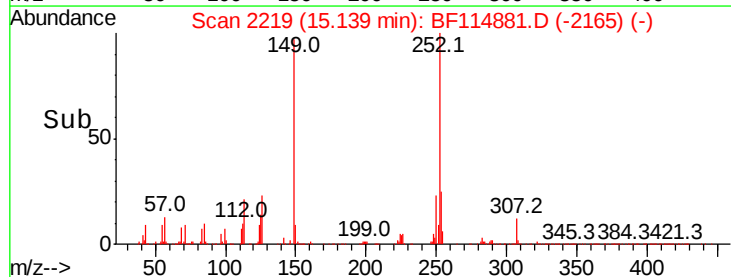
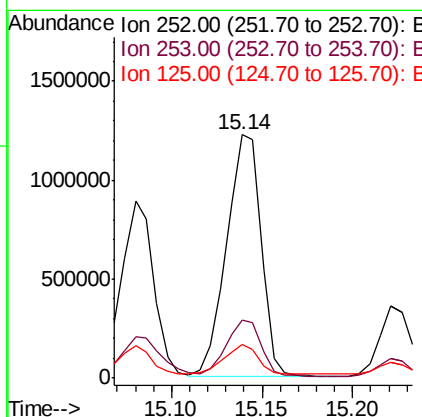
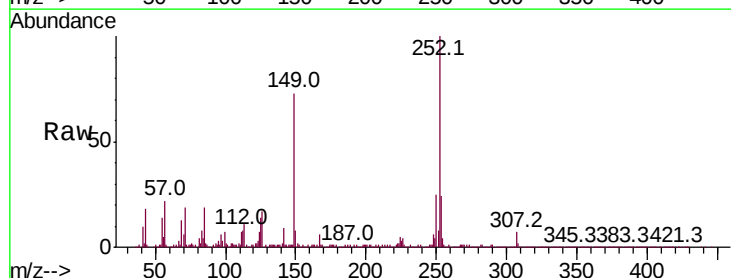
Instrument :
BNA_F
ClientSampleId :
S-7C

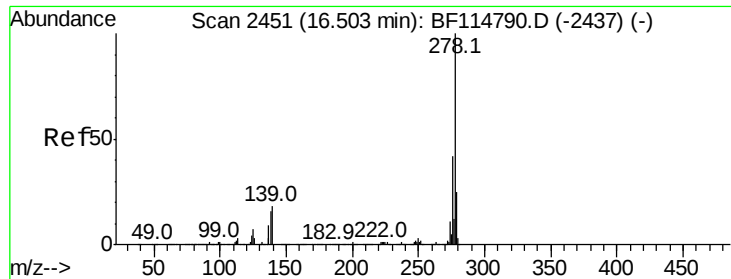
Tot Ion:252 Resp: 3023998
Ion Ratio Lower Upper
252 100
253 23.6 19.3 28.9
125 13.7 10.1 15.1



#90
Benzo(a)pyrene
Concen: 44.799 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.02 min
Lab File: BF114881.D
Acq: 6 Jun 2019 23:48

Tgt Ion:252 Resp: 1621503
Ion Ratio Lower Upper
252 100
253 23.9 18.5 27.7
125 14.1 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 8.661 ng

RT: 16.52 min Scan# 2454

Delta R.T. 0.02 min

Lab File: BF114881.D

Acq: 6 Jun 2019 23:48

Instrument :

BNA_F

ClientSampled :

S-7C

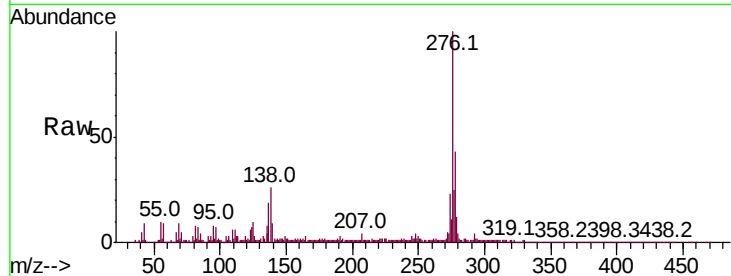
Tot Ion:278 Resp: 296882

Ion Ratio Lower Upper

278 100

139 21.9 14.6 22.0

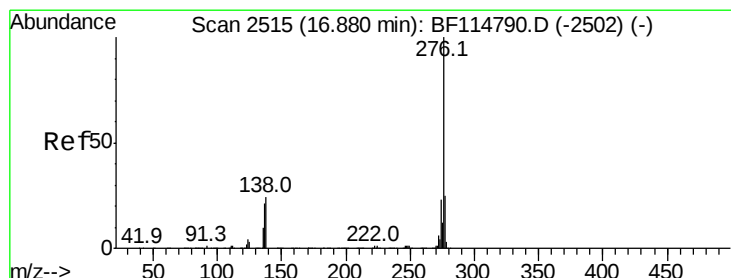
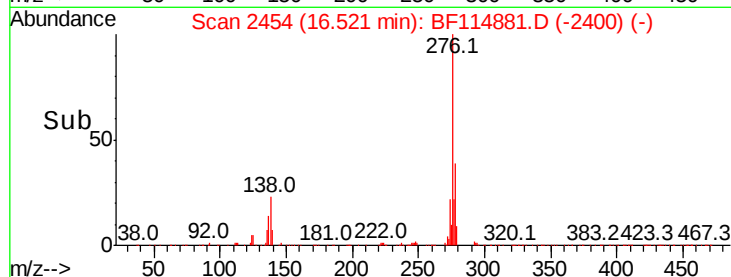
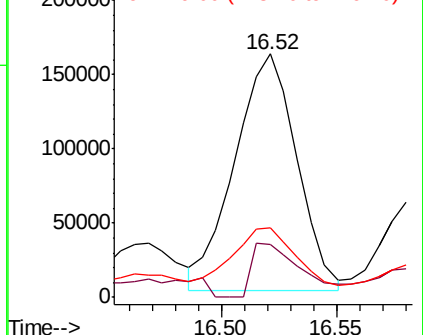
279 28.7 20.1 30.1



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: 24.018 ng

RT: 16.91 min Scan# 2520

Delta R.T. 0.03 min

Lab File: BF114881.D

Acq: 6 Jun 2019 23:48

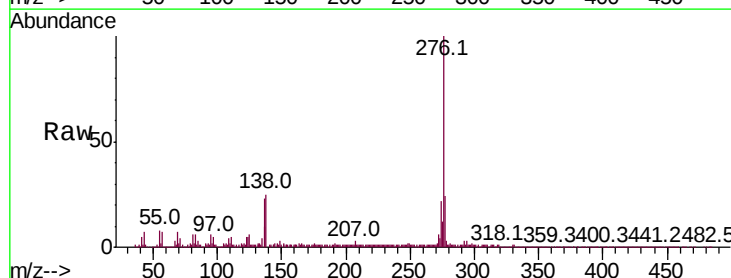
Tgt Ion:276 Resp: 827905

Ion Ratio Lower Upper

276 100

277 24.5 19.8 29.6

138 25.3 19.4 29.2



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

