

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114831.D
 Acq On : 5 Jun 2019 21:14
 Operator : HP/JU
 Sample : K3183-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 05:02:28 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	331022	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1297117	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	673918	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1336600	20.00	ng	0.00
76) Chrysene-d12	13.79	240	897514	20.00	ng	0.00
87) Perylene-d12	15.18	264	975737	20.00	ng	0.00

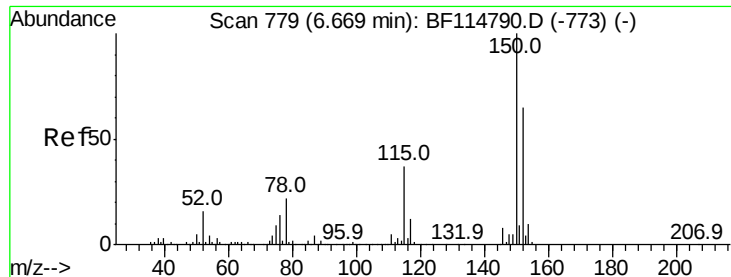
System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	1854561	97.90	ng	0.00
7) Phenol-d6	6.30	99	2313853	100.38	ng	0.00
23) Nitrobenzene-d5	7.23	82	1412258	67.02	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	730787	100.62	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	2629952	73.10	ng	0.00
79) Terphenyl-d14	12.76	244	2945172	63.82	ng	0.00

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	187923	12.316	ng	# 79
25) Isophorone	7.23	82	1401312	33.639	ng	# 61
50) Dimethylphthalate	9.42	163	548805	11.150	ng	98
57) 2,4-Dinitrotoluene	9.69	165	89809	6.172	ng	# 32
58) Fluorene	10.24	166	64646	Below	Cal	95
67) 4-Bromophenyl-phenylether	10.48	248	46408	3.057	ng	# 1
71) Phenanthrene	11.19	178	787882	12.348	ng	97
72) Anthracene	11.24	178	174274	2.595	ng	95
75) Fluoranthene	12.37	202	1137311	17.125	ng	96
78) Pyrene	12.60	202	1043295	13.400	ng	96
81) Benzo(a)anthracene	13.78	228	522064	7.548	ng	98
83) Chrysene	13.82	228	486798	7.235	ng	96
86) Indeno(1,2,3-cd)pyrene	16.49	276	234569	3.056	ng	98
88) Benzo(b)fluoranthene	14.79	252	783446	12.612	ng	98
89) Benzo(k)fluoranthene	14.79	252	783446	14.852	ng	98
90) Benzo(a)pyrene	15.12	252	433068	8.055	ng	100
92) Benzo(a,h,i)perylene	16.87	276	203248	3.970	ng	98

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

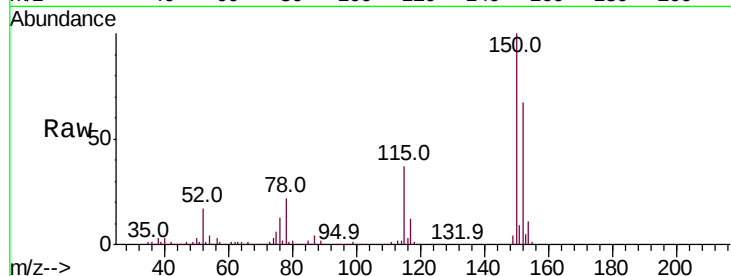


#1

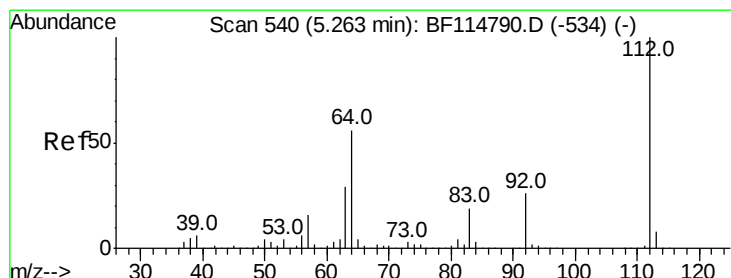
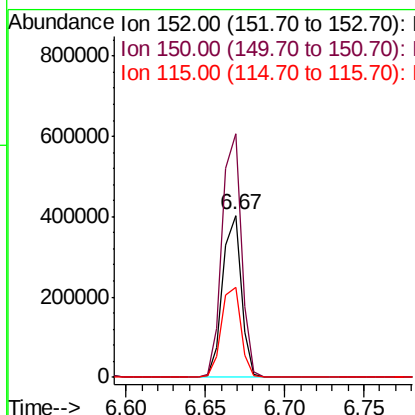
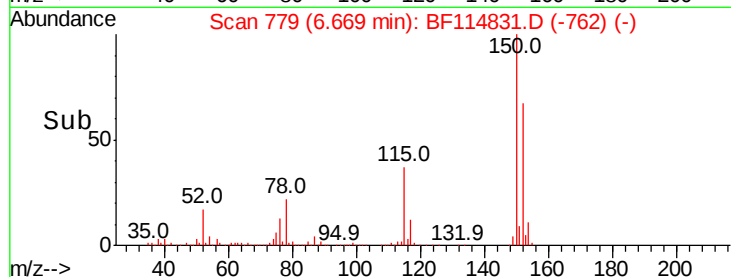
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114831.D
Acq: 5 Jun 2019 21:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 331022
Ion Ratio Lower Upper
152 100
150 150.3 124.0 186.0
115 55.4 46.3 69.5



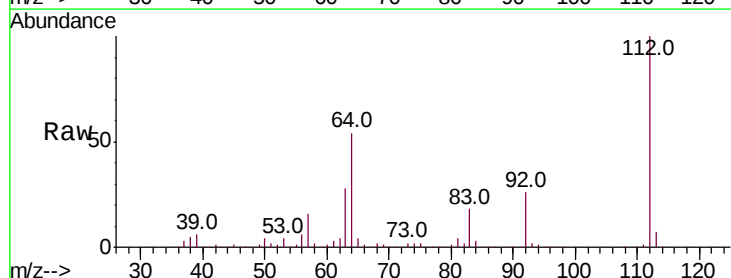
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



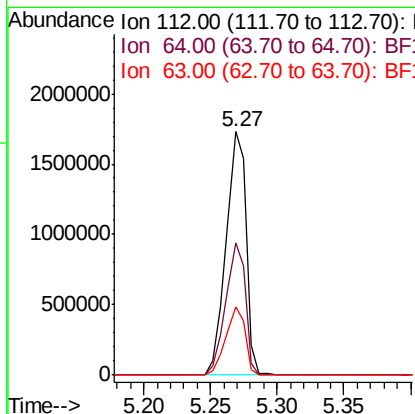
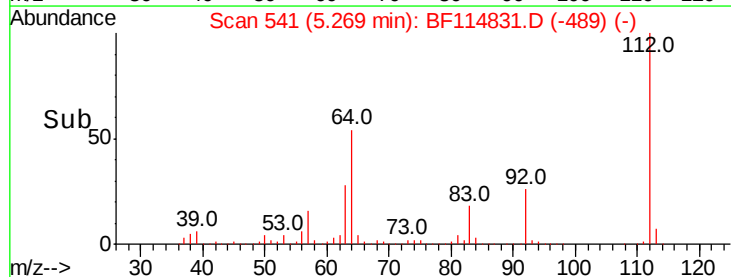
#5

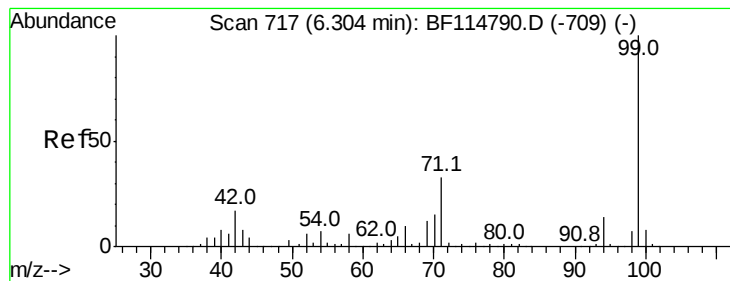
2-Fluorophenol
Concen: 97.896 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF114831.D
Acq: 5 Jun 2019 21:14

Tgt Ion:112 Resp: 1854561
Ion Ratio Lower Upper
112 100
64 54.3 44.6 66.8
63 27.8 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: 100.378 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF114831.D

Acq: 5 Jun 2019 21:14

Instrument :

BNA_F

ClientSampled :

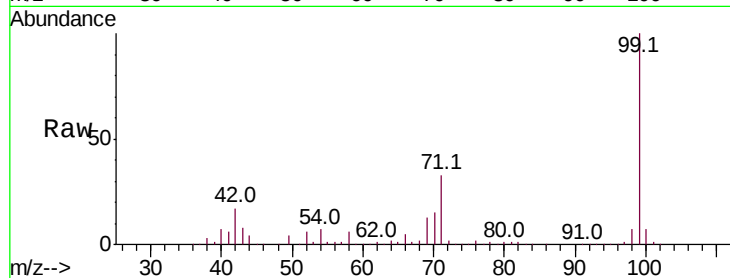
Tot Ion: 99 Resp: 2313853

Ion Ratio Lower Upper

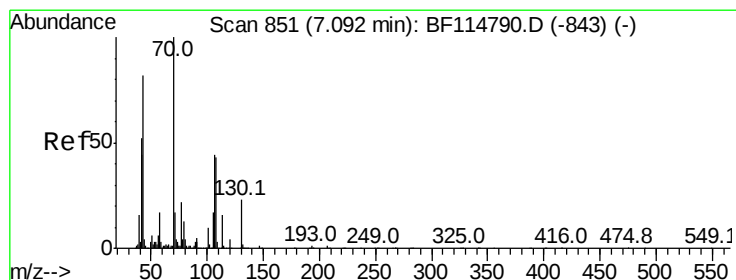
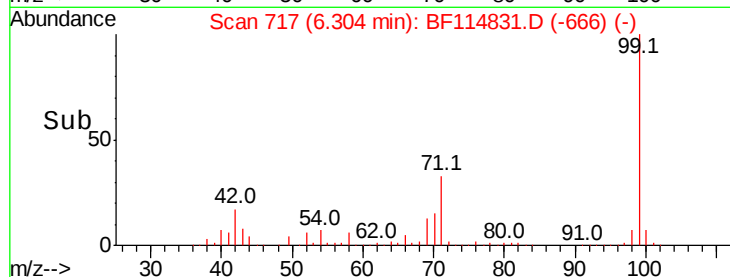
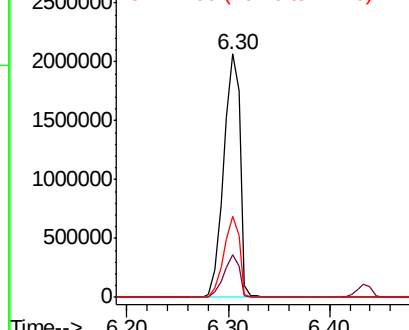
99 100

42 17.4 13.3 19.9

71 33.4 26.3 39.5



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: 12.316 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF114831.D

Acq: 5 Jun 2019 21:14

Tgt Ion: 70 Resp: 187923

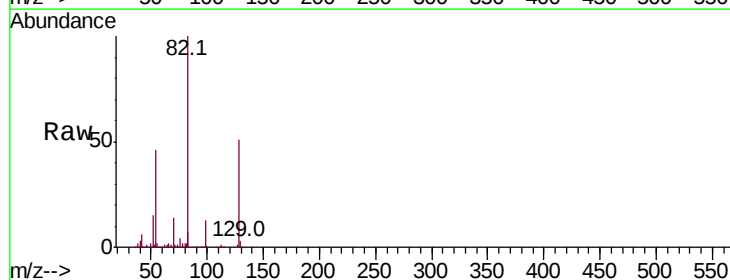
Ion Ratio Lower Upper

70 100

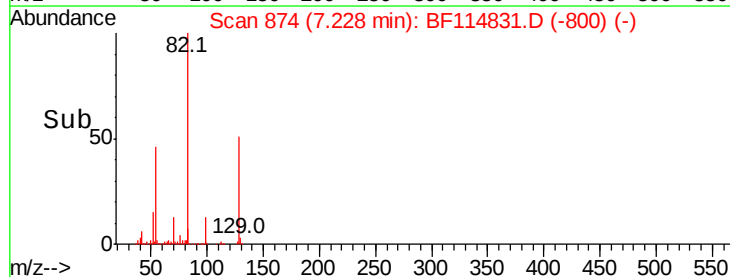
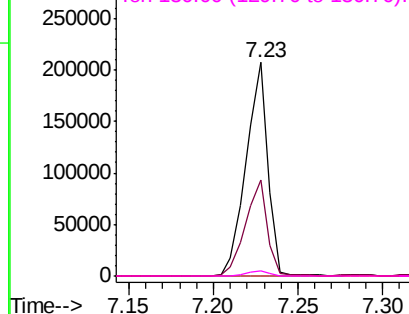
42 45.1 41.8 62.8

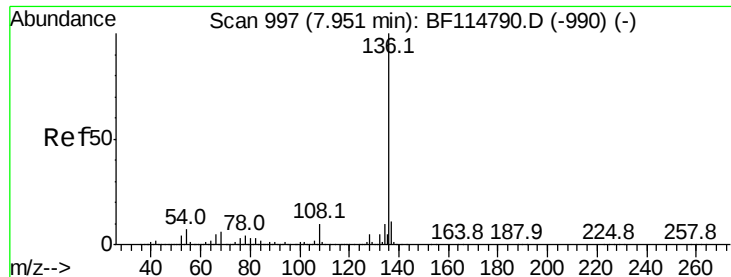
101 0.0 8.2 12.4#

130 2.5 18.5 27.7#



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

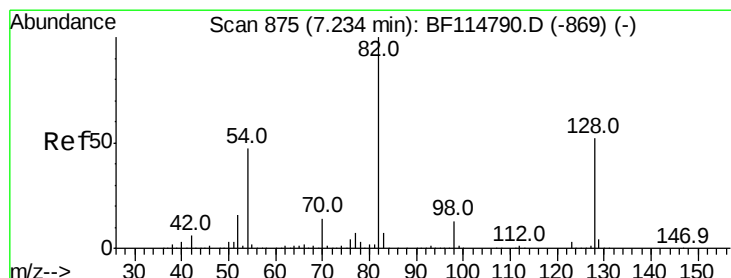
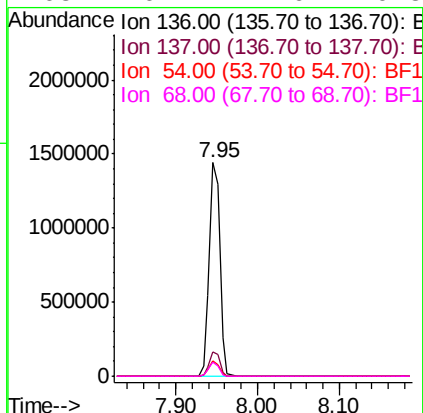
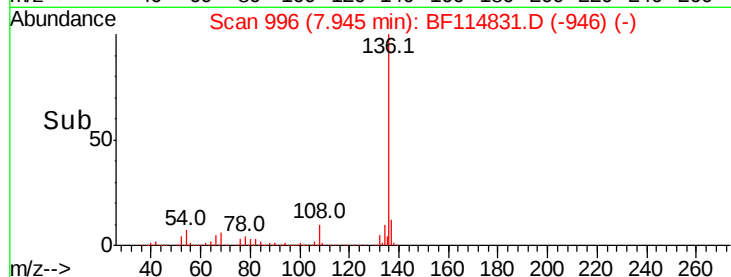
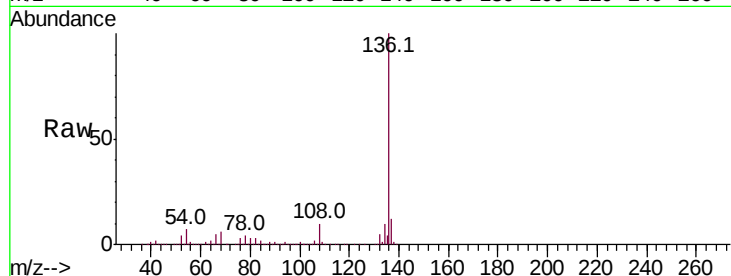




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF114831.D
Acq: 5 Jun 2019 21:14

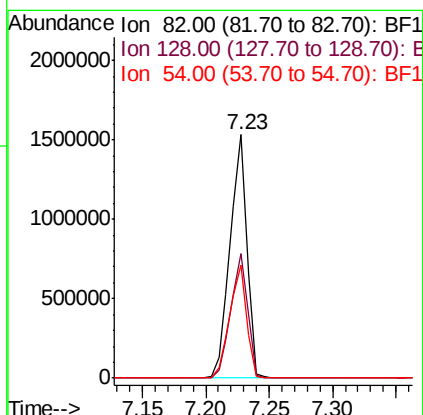
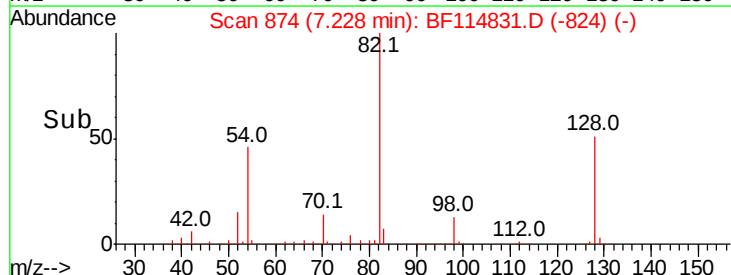
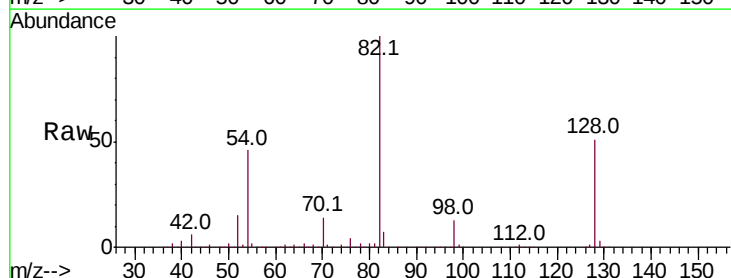
Instrument :
BNA_F
ClientSampleId :

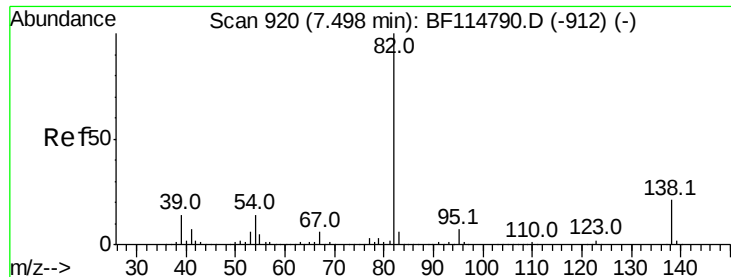
Tot Ion:136	Resp: 1297117
Ion Ratio	Lower Upper
136 100	
137 11.5	9.1 13.7
54 7.3	5.4 8.0
68 6.4	4.6 6.8



#23
Nitrobenzene-d5
Concen: 67.023 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114831.D
Acq: 5 Jun 2019 21:14

Tgt Ion: 82	Resp: 1412258
Ion Ratio	Lower Upper
82 100	
128 51.3	41.8 62.6
54 46.3	37.9 56.9





#25

Isophorone

Concen: 33.639 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.27 min

Lab File: BF114831.D

Acq: 5 Jun 2019 21:14

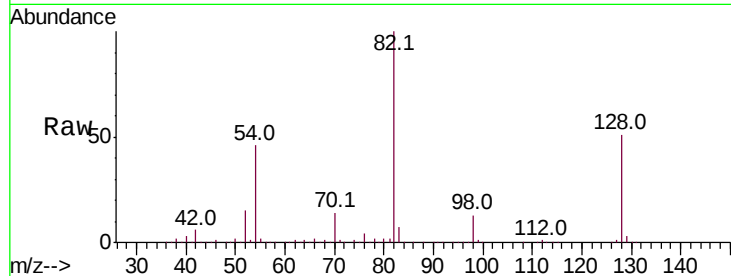
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 82 Resp: 1401312

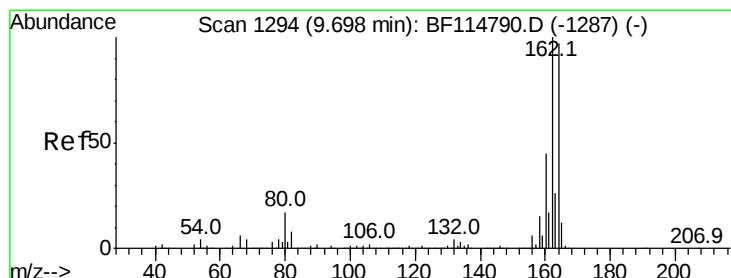
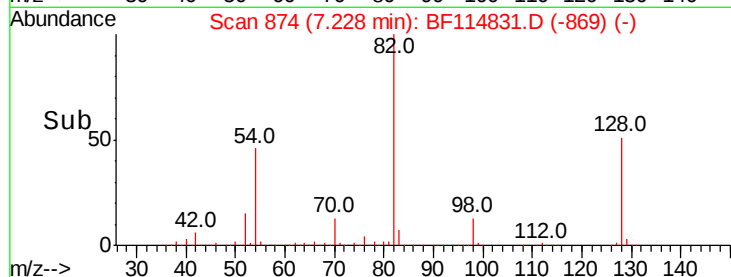
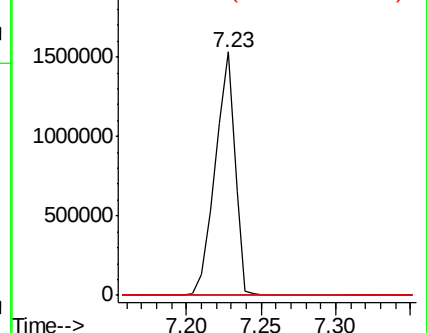
Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.8	8.8#
138	0.0	16.9	25.3#



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): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.69 min Scan# 1293

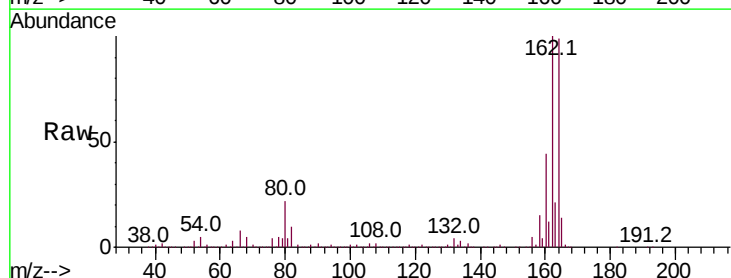
Delta R.T. -0.01 min

Lab File: BF114831.D

Acq: 5 Jun 2019 21:14

Tgt Ion: 164 Resp: 673918

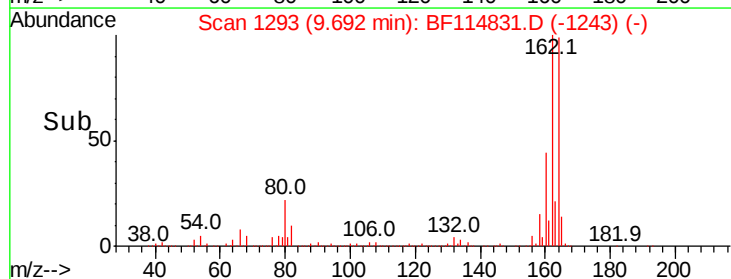
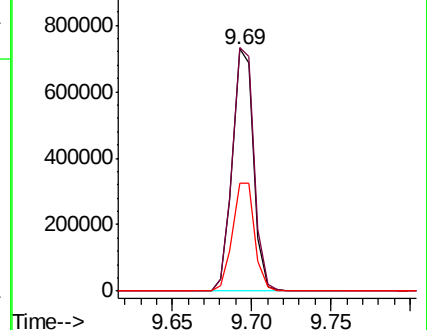
Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.3	123.5
160	44.7	36.7	55.1

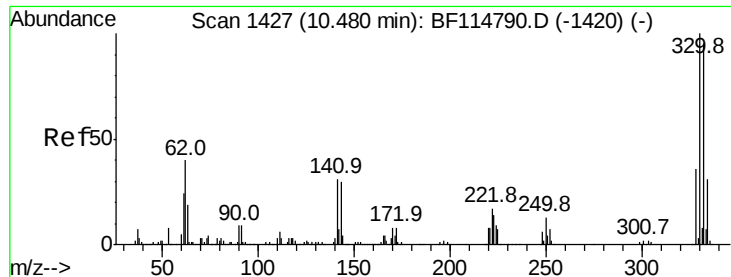


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 100.624 ng

RT: 10.48 min Scan# 1427

Delta R.T. 0.00 min

Lab File: BF114831.D

Acq: 5 Jun 2019 21:14

Instrument :

BNA_F

ClientSampled :

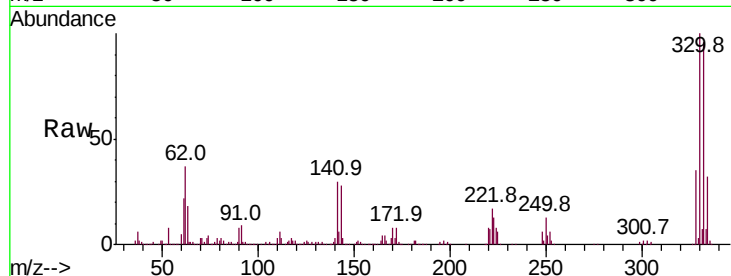
Tot Ion:330 Resp: 730787

Ion Ratio Lower Upper

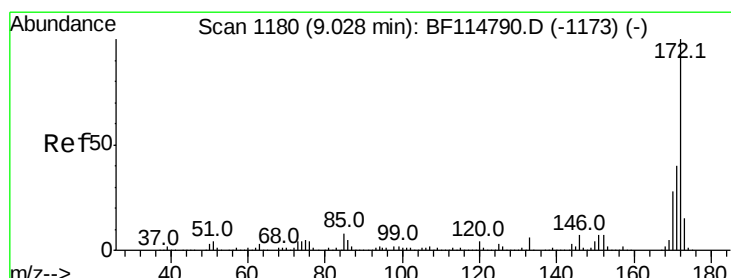
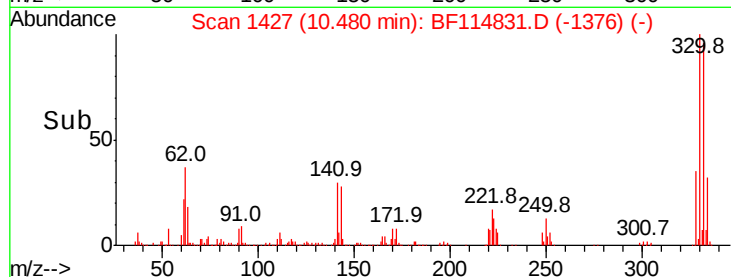
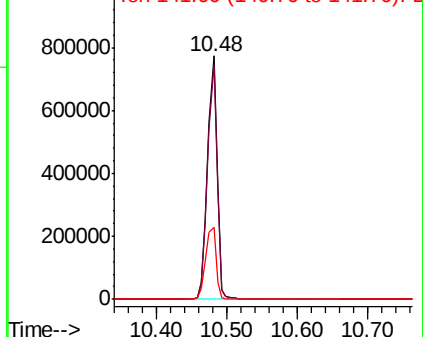
330 100

332 96.0 77.3 115.9

141 32.3 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: 73.104 ng

RT: 9.03 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BF114831.D

Acq: 5 Jun 2019 21:14

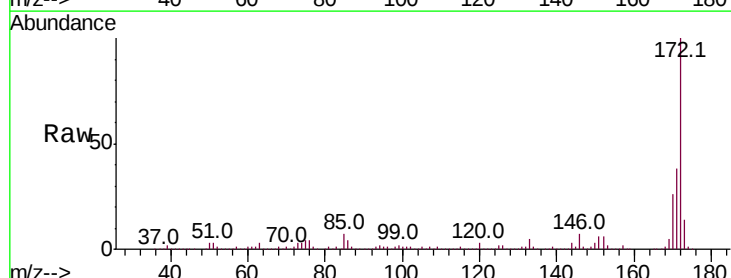
Tgt Ion:172 Resp: 2629952

Ion Ratio Lower Upper

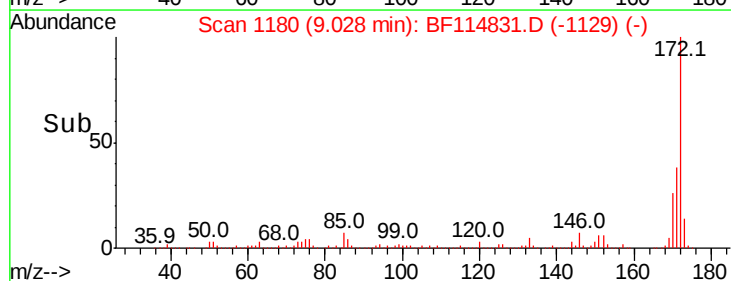
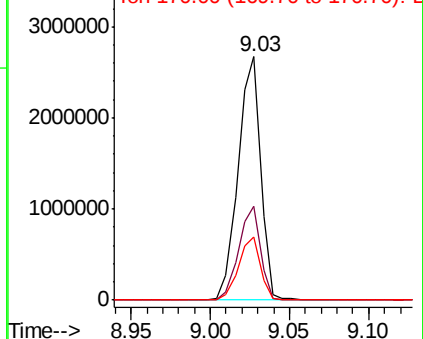
172 100

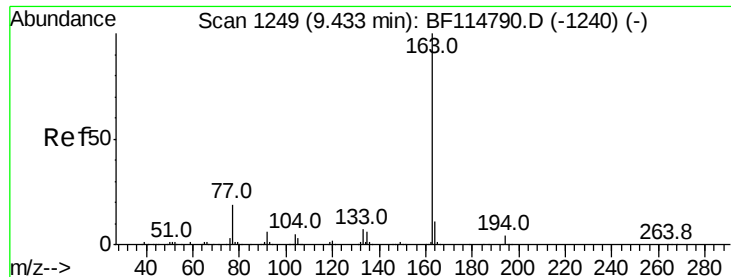
171 38.4 32.3 48.5

170 26.2 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





#50

Dimethylphthalate

Concen: 11.150 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BF114831.D

Acq: 5 Jun 2019 21:14

Instrument :

BNA_F

ClientSampled :

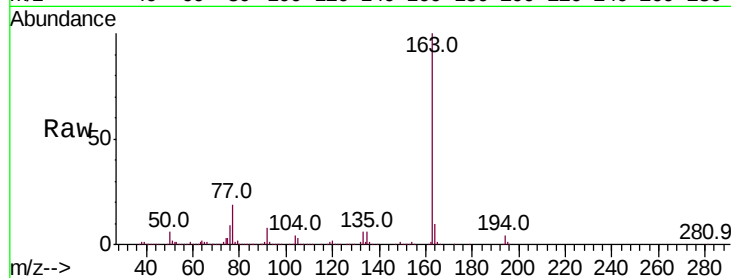
Tot Ion:163 Resp: 548805

Ion Ratio Lower Upper

163 100

194 3.7 3.4 5.2

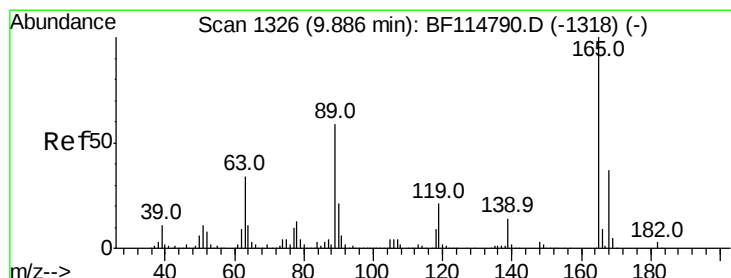
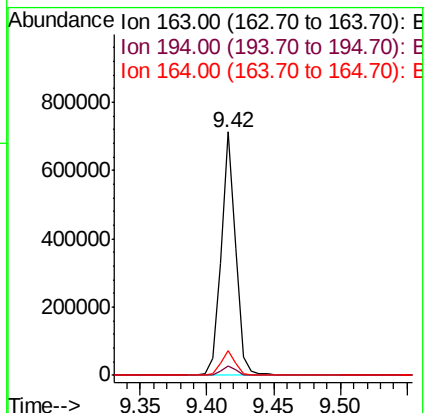
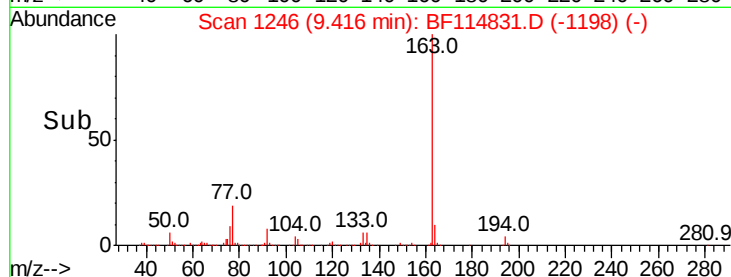
164 10.2 8.6 13.0



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



#57

2,4-Dinitrotoluene

Concen: 6.172 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.19 min

Lab File: BF114831.D

Acq: 5 Jun 2019 21:14

Tgt Ion:165 Resp: 89809

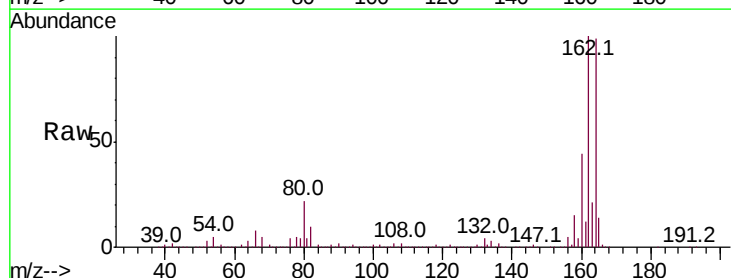
Ion Ratio Lower Upper

165 100

63 1.3 27.0 40.4#

89 1.5 47.0 70.6#

182 0.4 2.2 3.2#

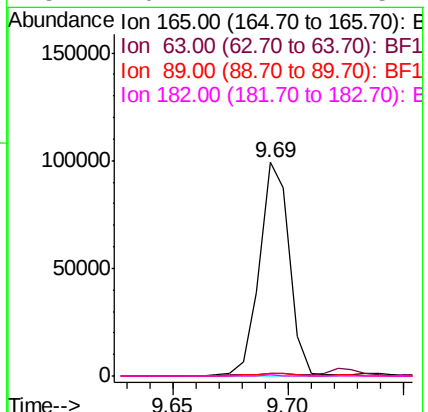
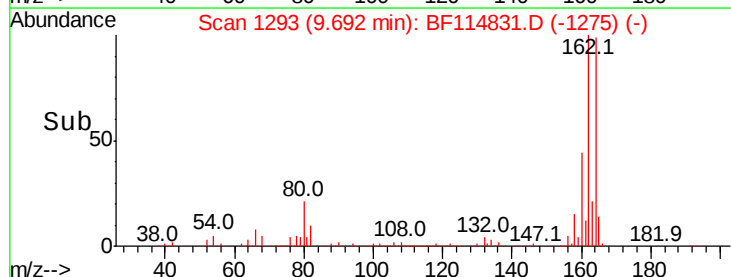


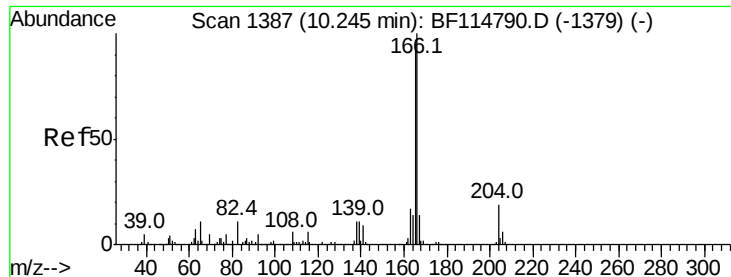
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: Below Cal

RT: 10.24 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BF114831.D

Acq: 5 Jun 2019 21:14

Instrument :

BNA_F

ClientSampleId :

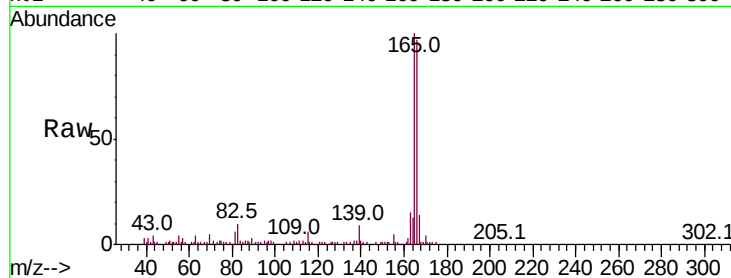
Tot Ion:166 Resp: 64646

Ion Ratio Lower Upper

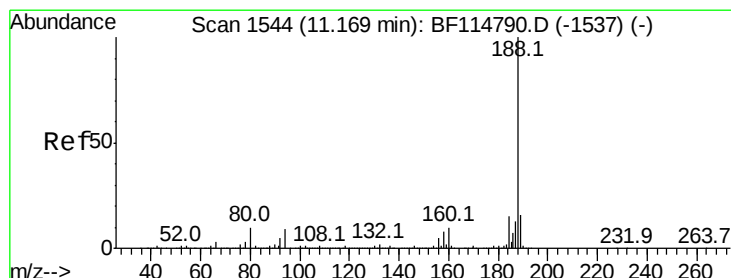
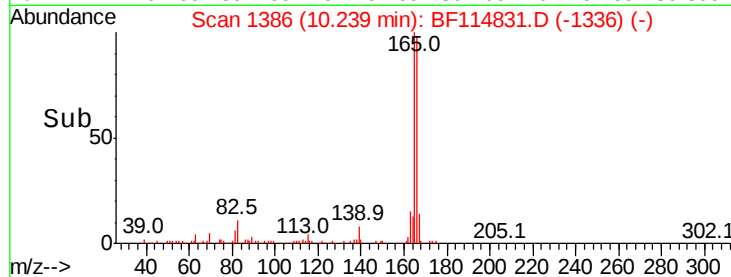
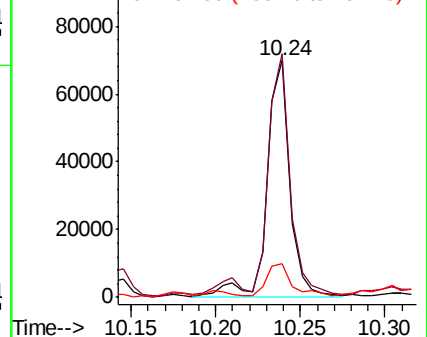
166 100

165 102.7 77.9 116.9

167 14.3 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1544

Delta R.T. 0.00 min

Lab File: BF114831.D

Acq: 5 Jun 2019 21:14

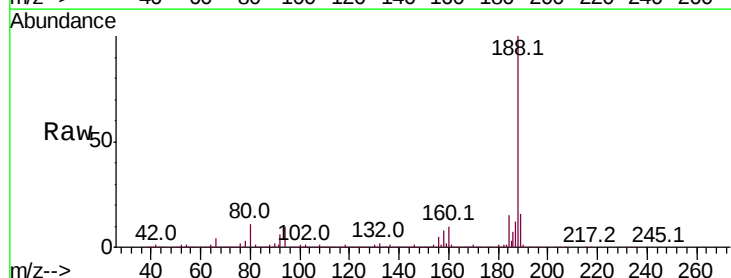
Tgt Ion:188 Resp: 1336600

Ion Ratio Lower Upper

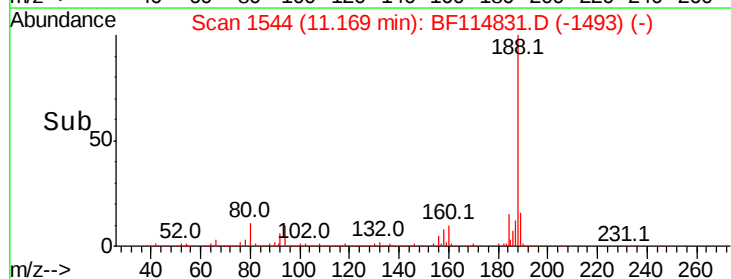
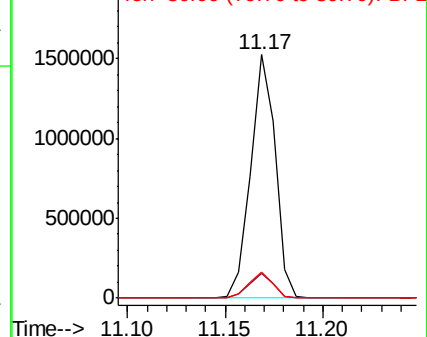
188 100

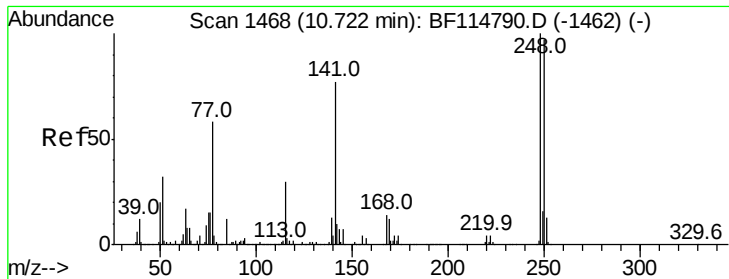
94 10.3 7.6 11.4

80 10.9 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

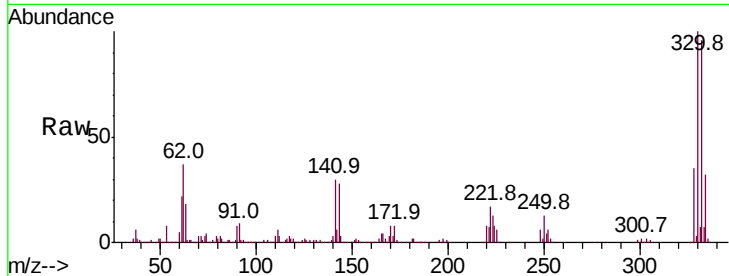




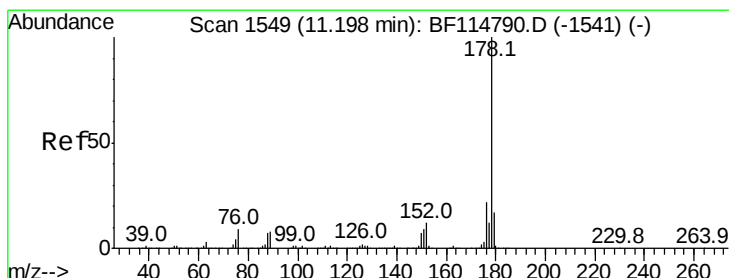
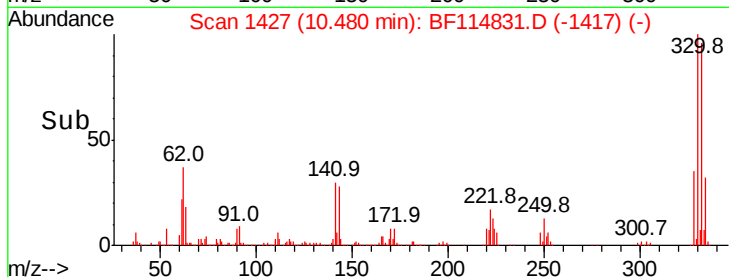
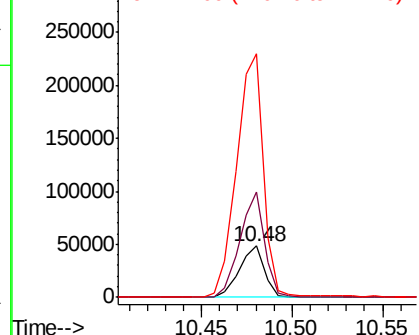
#67
 4-Bromophenyl-phenylether
 Concen: 3.057 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.24 min
 Lab File: BF114831.D
 Acq: 5 Jun 2019 21:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 46408
 Ion Ratio Lower Upper
 248 100
 250 203.8 77.5 116.3#
 141 472.7 61.8 92.8#

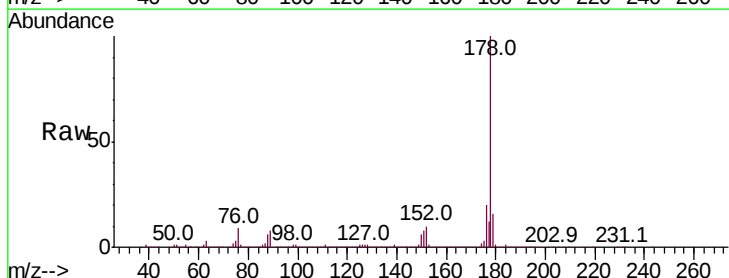


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

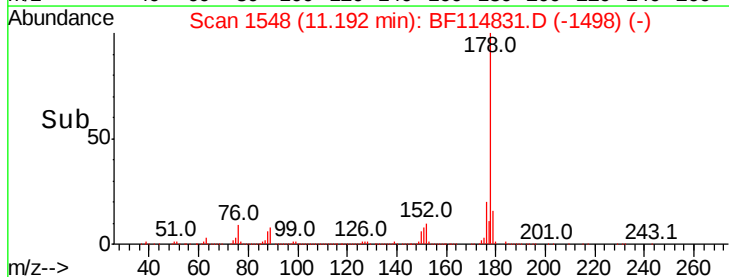
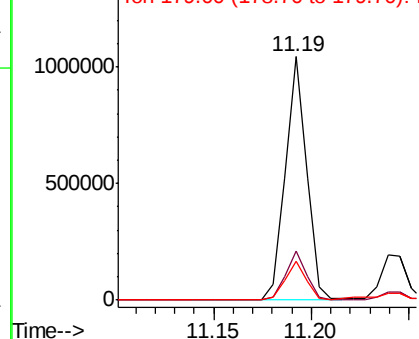


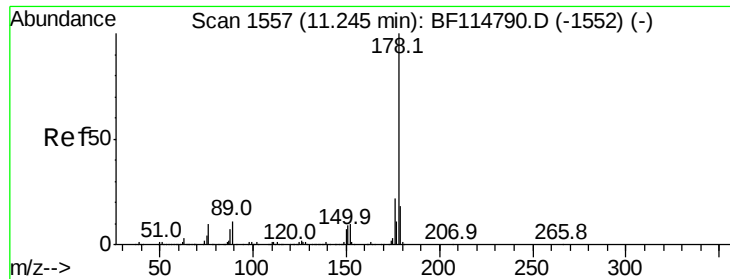
#71
 Phenanthrene
 Concen: 12.348 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.01 min
 Lab File: BF114831.D
 Acq: 5 Jun 2019 21:14

Tgt Ion:178 Resp: 787882
 Ion Ratio Lower Upper
 178 100
 176 20.2 17.7 26.5
 179 15.8 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: 2.595 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF114831.D

Acq: 5 Jun 2019 21:14

Instrument :

BNA_F

ClientSampleId :

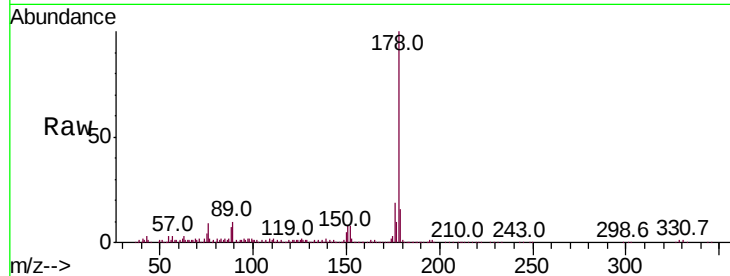
Tot Ion:178 Resp: 174274

Ion	Ratio	Lower	Upper
178	100		
176	18.9	17.4	26.0
179	15.8	14.2	21.4

178 100

176 18.9 17.4 26.0

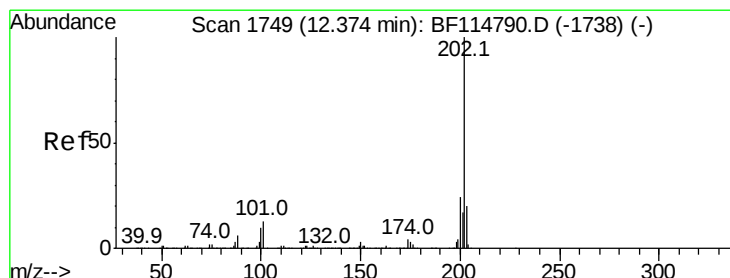
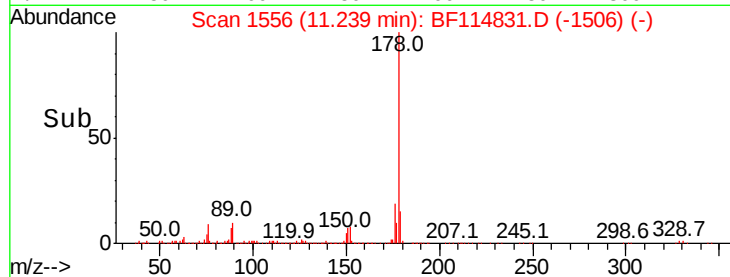
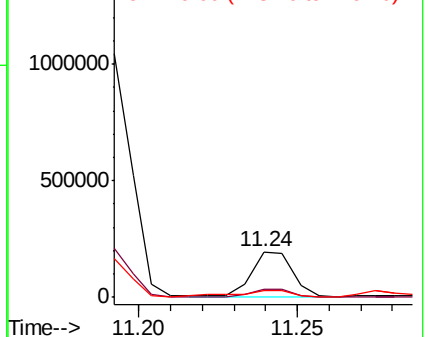
179 15.8 14.2 21.4



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



#75

Fluoranthene

Concen: 17.125 ng

RT: 12.37 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BF114831.D

Acq: 5 Jun 2019 21:14

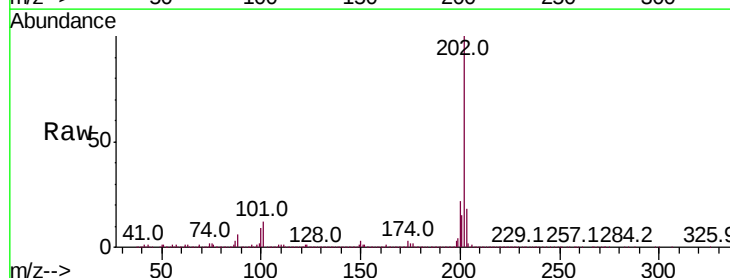
Tgt Ion:202 Resp: 1137311

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.8
203	17.9	0.2	40.2

202 100

101 12.1 0.0 32.8

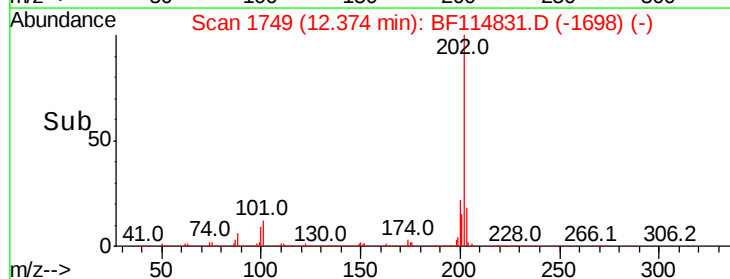
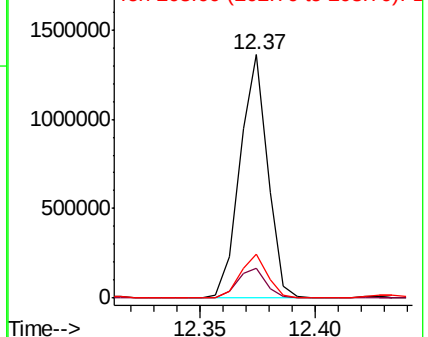
203 17.9 0.2 40.2

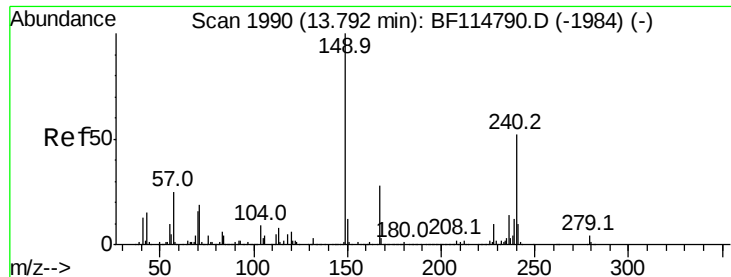


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

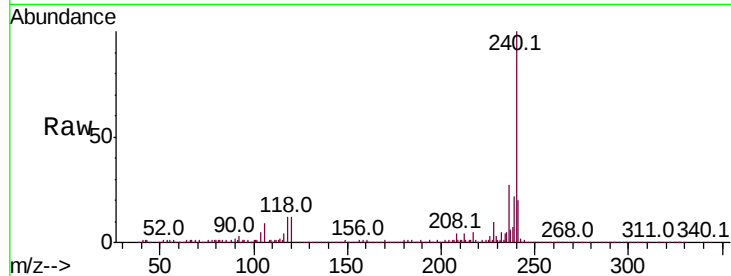




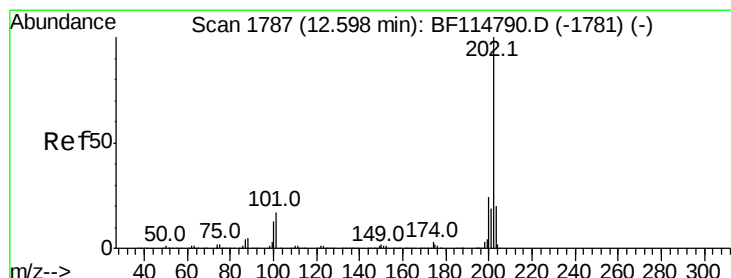
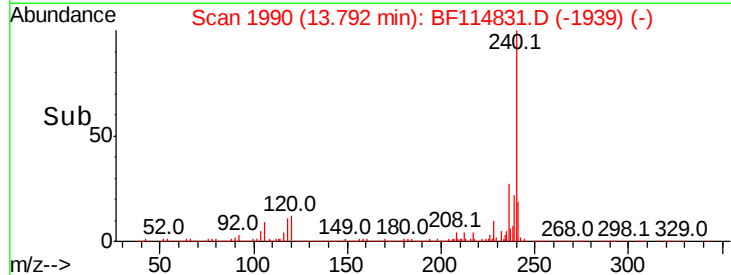
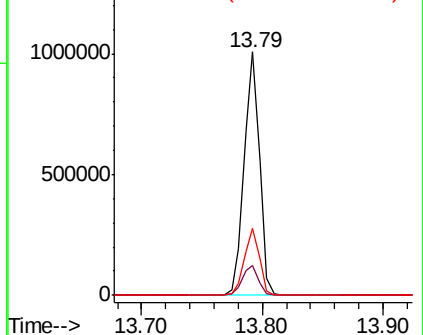
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BF114831.D
Acq: 5 Jun 2019 21:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 897514
Ion Ratio Lower Upper
240 100
120 12.3 9.0 13.4
236 27.4 21.4 32.0

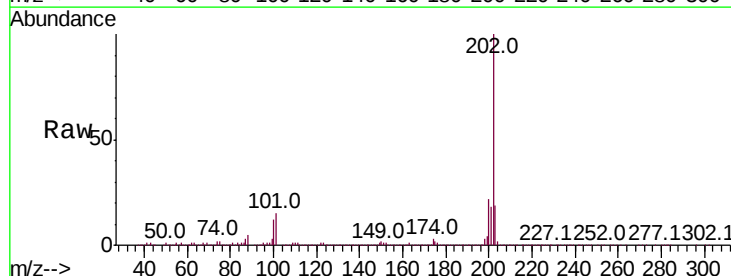


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

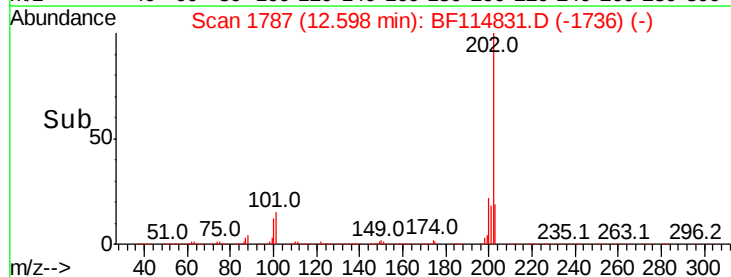
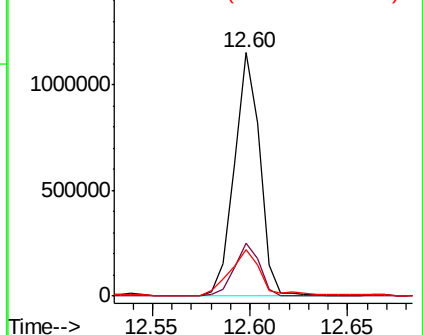


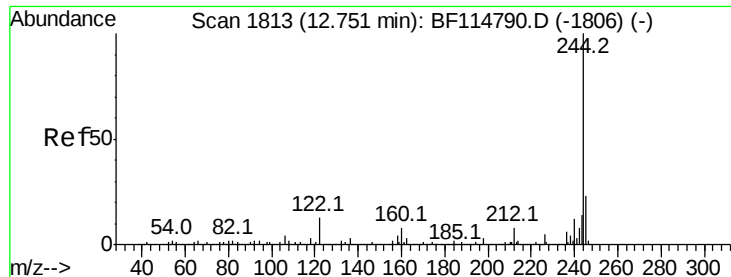
#78
Pyrene
Concen: 13.400 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BF114831.D
Acq: 5 Jun 2019 21:14

Tgt Ion:202 Resp: 1043295
Ion Ratio Lower Upper
202 100
200 21.6 19.2 28.8
203 18.9 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

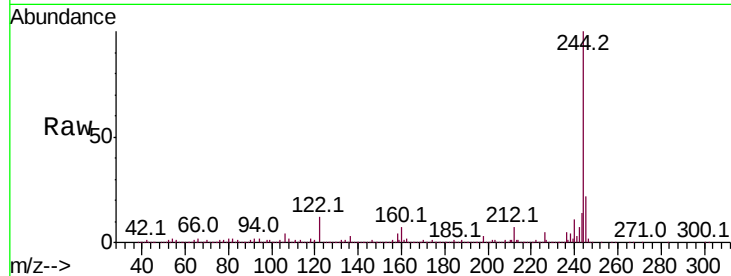




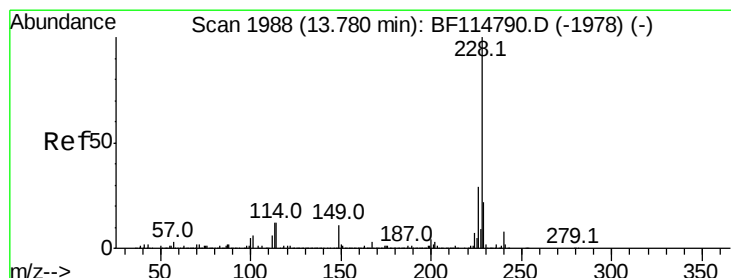
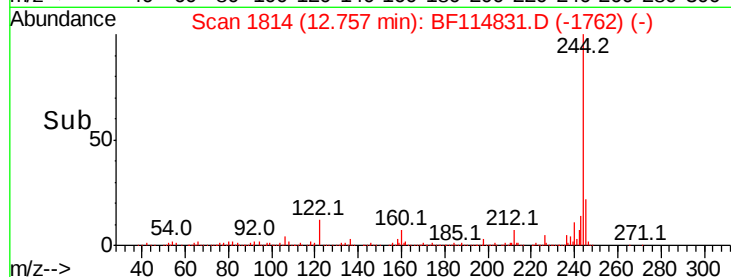
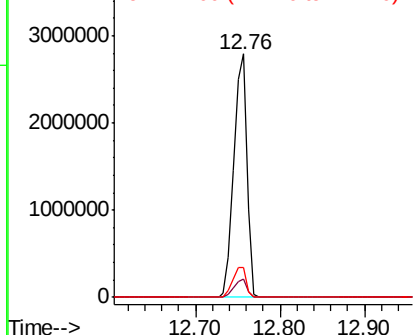
#79
 Terphenyl-d14
 Concen: 63.817 ng
 RT: 12.76 min Scan# 1814
 Delta R.T. 0.01 min
 Lab File: BF114831.D
 Acq: 5 Jun 2019 21:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 2945172
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 12.3 10.5 15.7

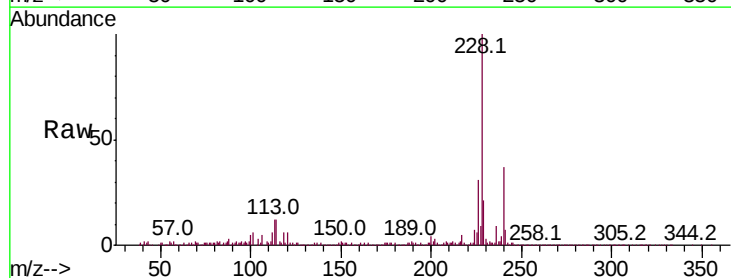


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

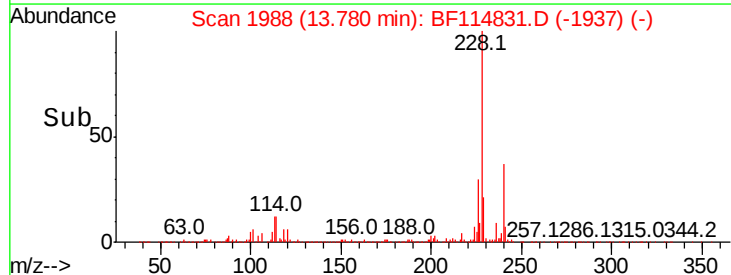
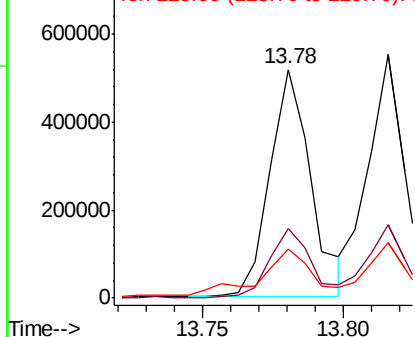


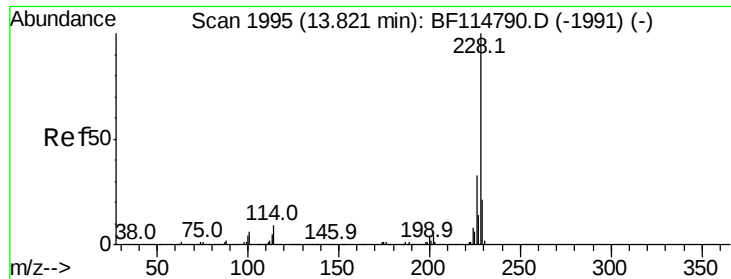
#81
 Benzo(a)anthracene
 Concen: 7.548 ng
 RT: 13.78 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: BF114831.D
 Acq: 5 Jun 2019 21:14

Tgt Ion:228 Resp: 522064
 Ion Ratio Lower Upper
 228 100
 226 30.6 23.4 35.2
 229 21.3 17.4 26.0



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

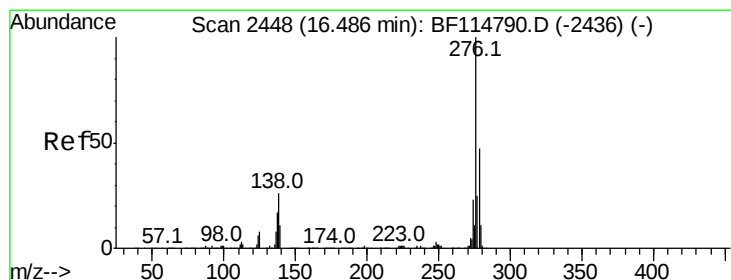
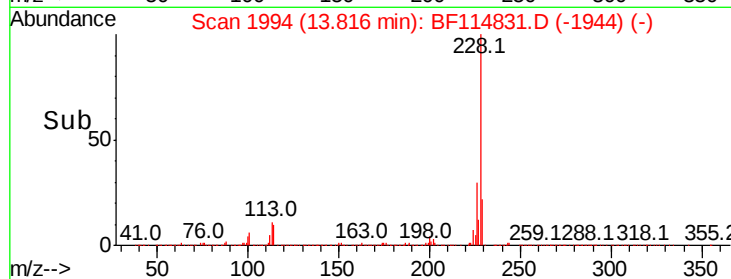
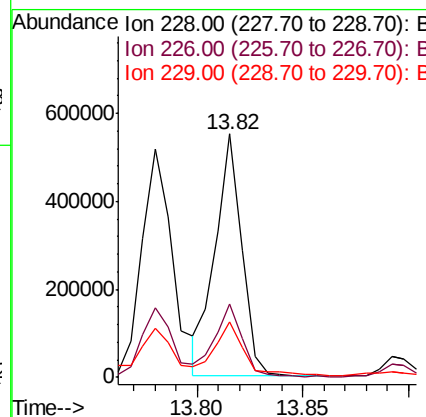
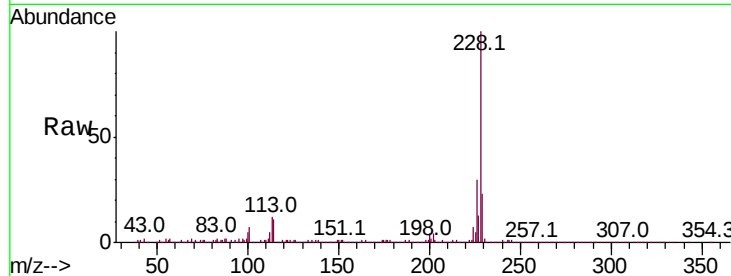




#83
Chrysene
Concen: 7.235 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF114831.D
Acq: 5 Jun 2019 21:14

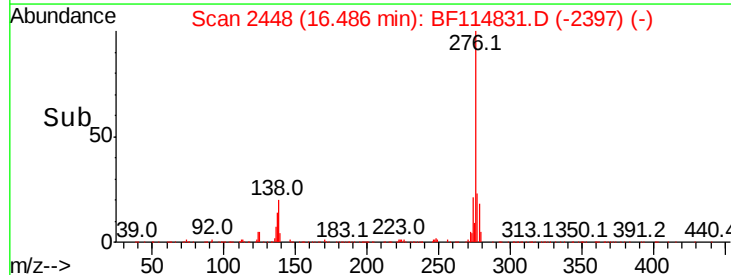
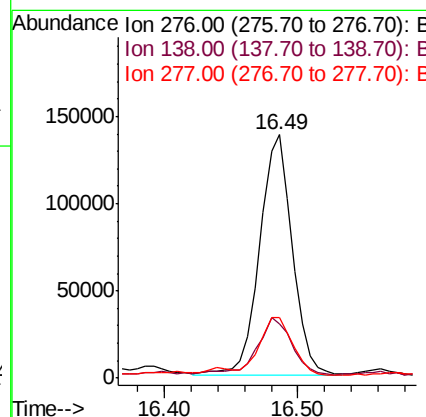
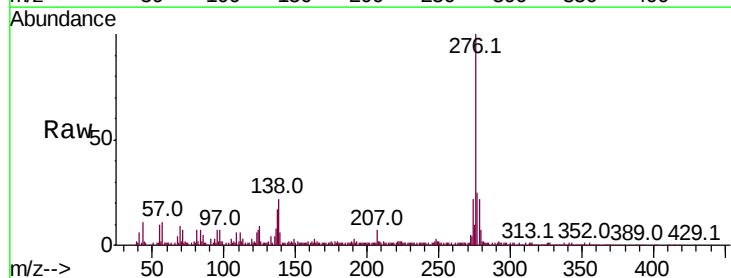
Instrument :
BNA_F
ClientSampleId :

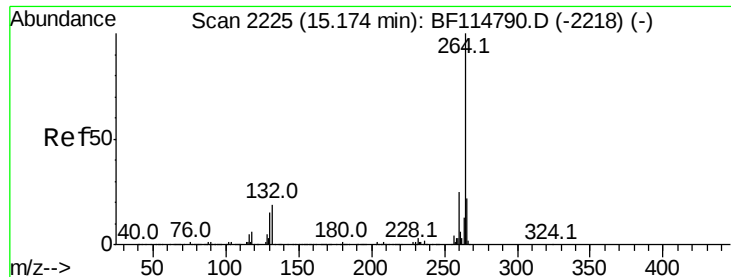
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	26.0	39.0
229	22.6	17.1	25.7



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.056 ng
RT: 16.49 min Scan# 2448
Delta R.T. 0.00 min
Lab File: BF114831.D
Acq: 5 Jun 2019 21:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.0	22.2	33.4
277	24.9	20.6	30.8

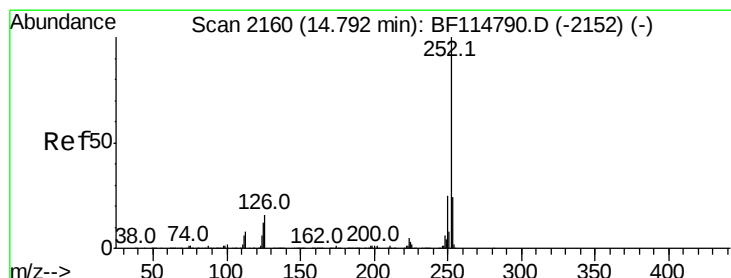
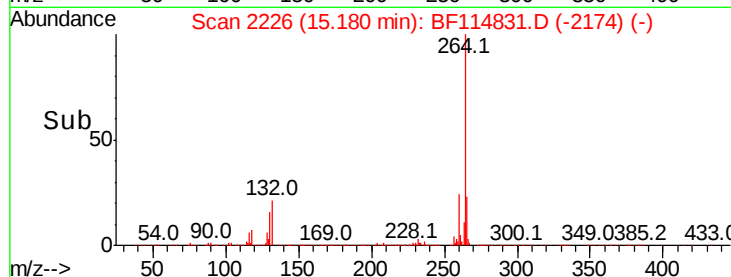
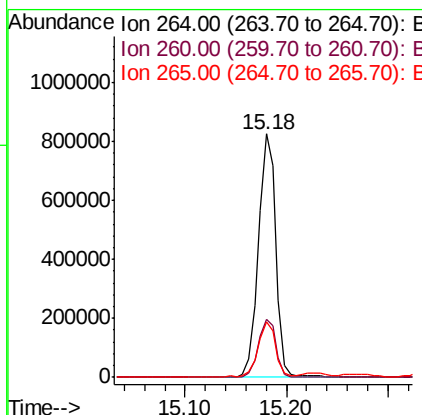
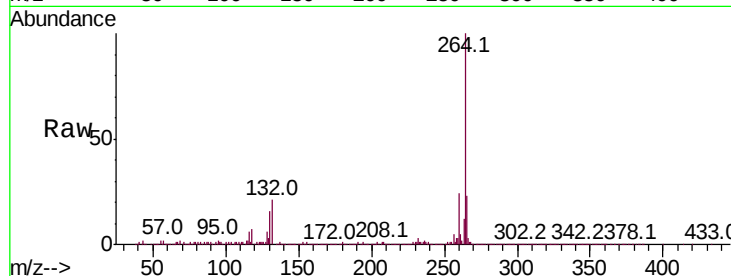




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.18 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BF114831.D
Acq: 5 Jun 2019 21:14

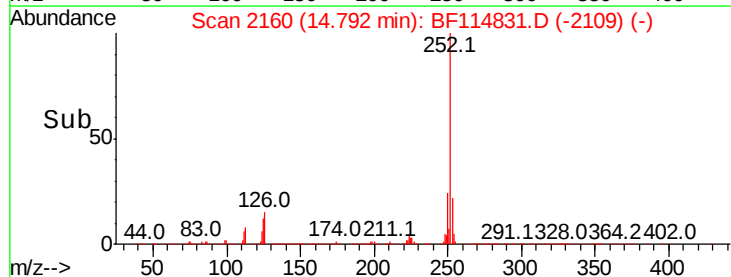
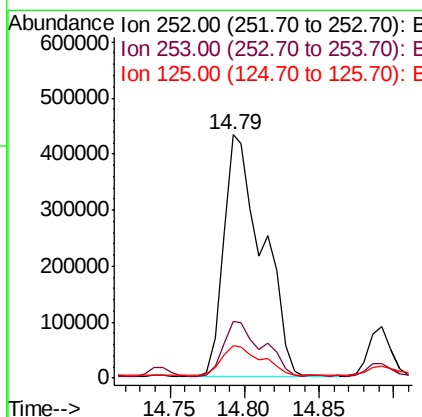
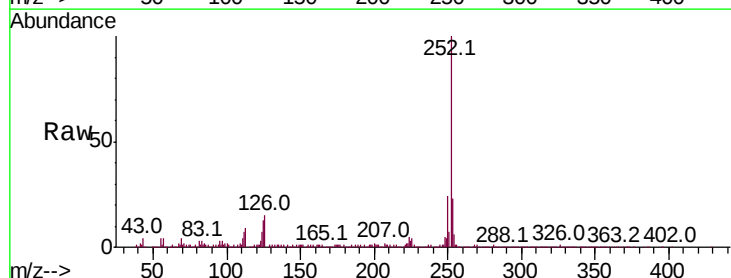
Instrument :
BNA_F
ClientSampleId :

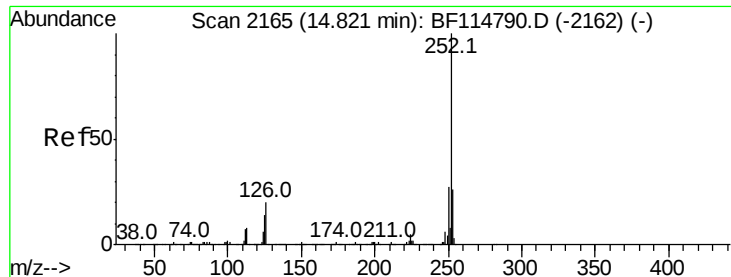
Tot Ion:264 Resp: 975737
Ion Ratio Lower Upper
264 100
260 23.8 20.1 30.1
265 22.9 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 12.612 ng
RT: 14.79 min Scan# 2160
Delta R.T. 0.00 min
Lab File: BF114831.D
Acq: 5 Jun 2019 21:14

Tgt Ion:252 Resp: 783446
Ion Ratio Lower Upper
252 100
253 23.1 19.0 28.6
125 13.3 9.4 14.0

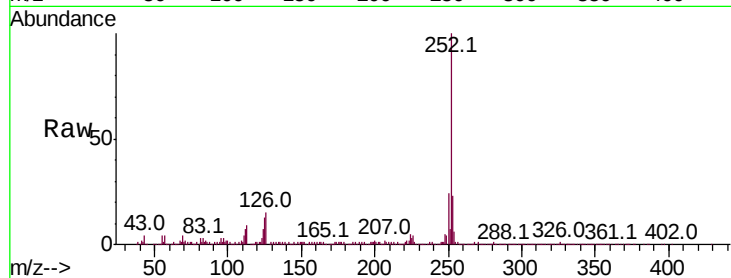




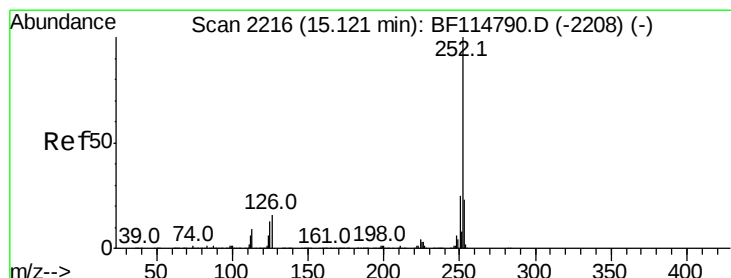
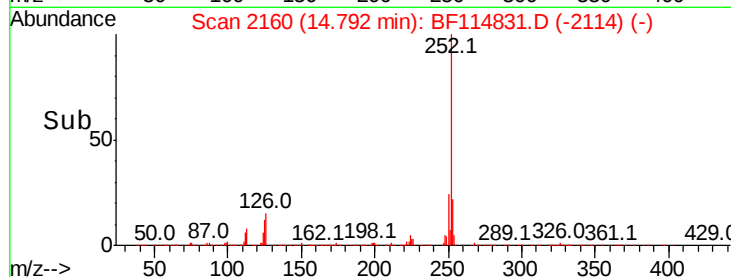
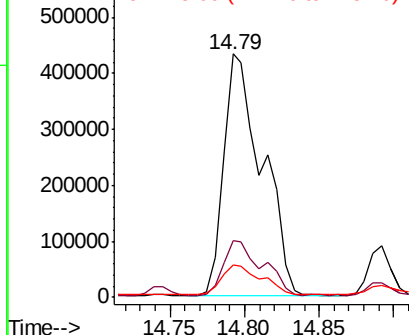
#89
Benzo(k)fluoranthene
Concen: 14.852 ng
RT: 14.79 min Scan# 2160
Delta R.T. -0.03 min
Lab File: BF114831.D
Acq: 5 Jun 2019 21:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 783446
Ion Ratio Lower Upper
252 100
253 23.1 19.3 28.9
125 13.3 10.1 15.1

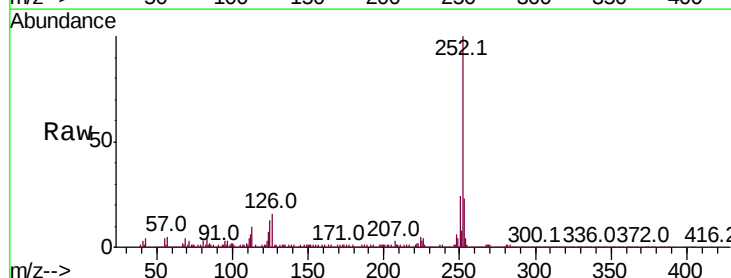


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

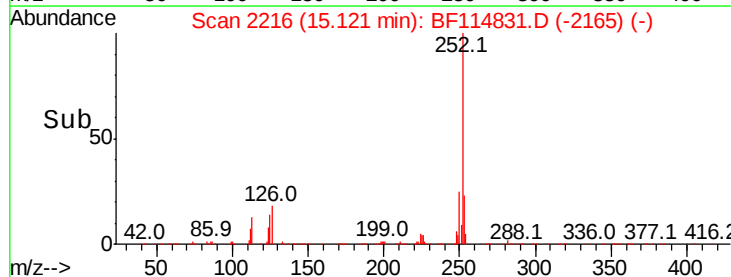
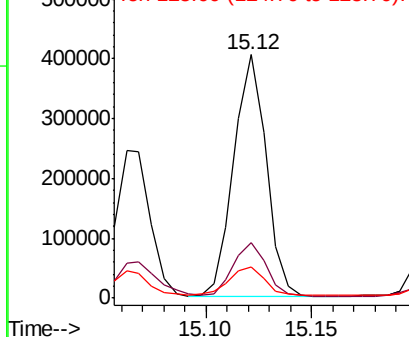


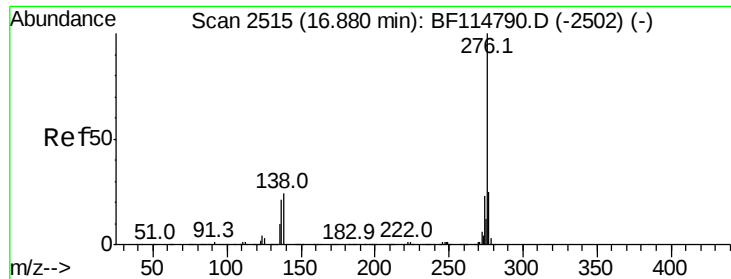
#90
Benzo(a)pyrene
Concen: 8.055 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF114831.D
Acq: 5 Jun 2019 21:14

Tgt Ion:252 Resp: 433068
Ion Ratio Lower Upper
252 100
253 23.0 18.5 27.7
125 12.7 10.1 15.1



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

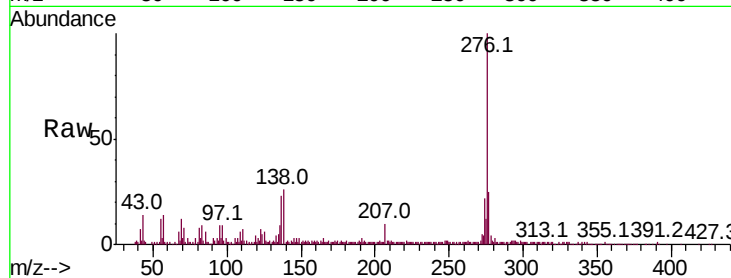




#92
 Benzo(a,h,i)perylene
 Concen: 3.970 ng
 RT: 16.87 min Scan# 2514
 Delta R.T. -0.01 min
 Lab File: BF114831.D
 Acq: 5 Jun 2019 21:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.8	29.6
138	26.5	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

