

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
 Data File : BF114861.D
 Acq On : 6 Jun 2019 14:22
 Operator : HP/JU
 Sample : K3189-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-7A

Quant Time: Jun 07 00:01:01 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	469019	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1807516	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	867134	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1505479	20.00	ng	0.00
76) Chrysene-d12	13.79	240	901033	20.00	ng	0.00
87) Perylene-d12	15.19	264	918401	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	3105472	115.70	ng	0.02
7) Phenol-d6	6.32	99	3846695	117.78	ng	0.01
23) Nitrobenzene-d5	7.23	82	2450000	83.44	ng	0.00
42) 2,4,6-Tribromophenol	10.49	330	928796	99.39	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	3388305	73.20	ng	0.00
79) Terphenyl-d14	12.76	244	2900878	62.61	ng	0.00

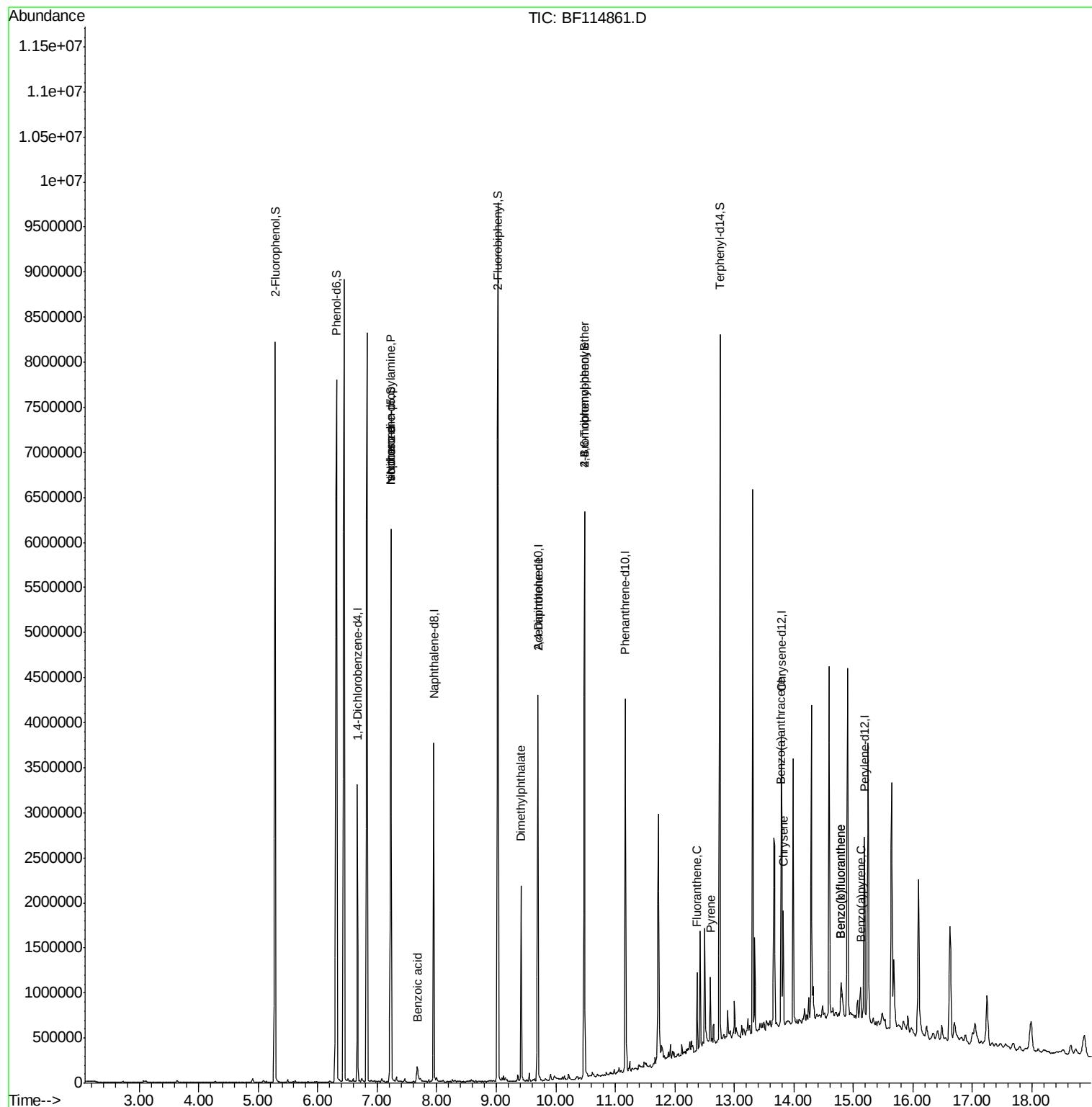
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.23	70	334584	15.476	ng	# 77
25) Isophorone	7.23	82	2336193	40.246	ng	# 61
32) Benzoic acid	7.67	122	57284	3.141	ng	98
50) Dimethylphthalate	9.42	163	900183	14.214	ng	99
57) 2,4-Dinitrotoluene	9.70	165	113263	6.049	ng	# 32
58) Fluorene	10.24	166	7208	Below Cal		# 91
67) 4-Bromophenyl-phenylether	10.48	248	60886	3.561	ng	# 1
75) Fluoranthene	12.37	202	323047	4.319	ng	95
78) Pyrene	12.60	202	274449	3.511	ng	96
81) Benzo(a)anthracene	13.78	228	162822	2.345	ng	97
83) Chrysene	13.82	228	143604	2.126	ng	97
88) Benzo(b)fluoranthene	14.80	252	246808	4.221	ng	# 95
89) Benzo(k)fluoranthene	14.80	252	246808	4.971	ng	# 95
90) Benzo(a)pyrene	15.12	252	123867	2.448	ng	# 95

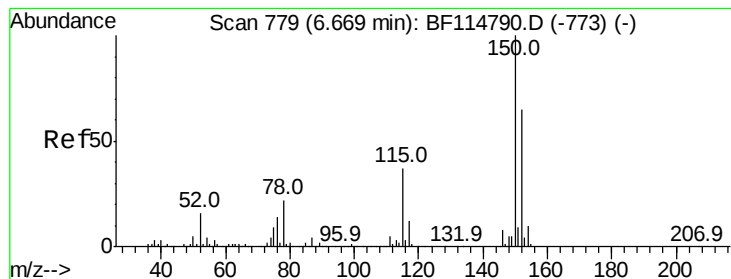
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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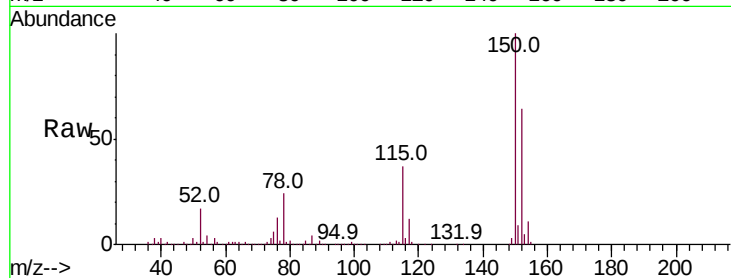


#1

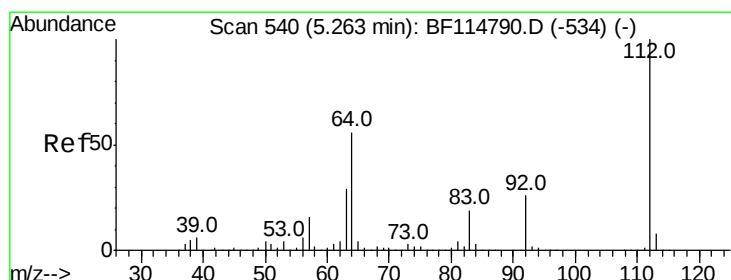
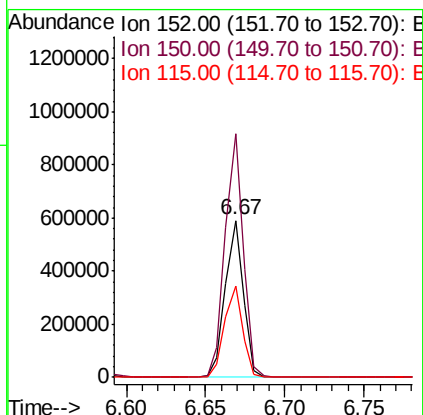
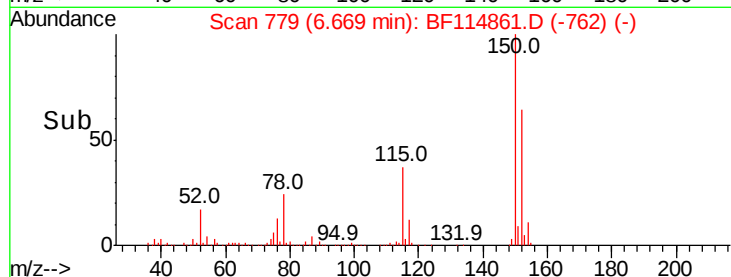
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF114861.D
Acq: 6 Jun 2019 14:22

Instrument :
BNA_F
ClientSampleId :
S-7A

Tot Ion:152 Resp: 469019
Ion Ratio Lower Upper
152 100
150 155.1 124.0 186.0
115 58.1 46.3 69.5



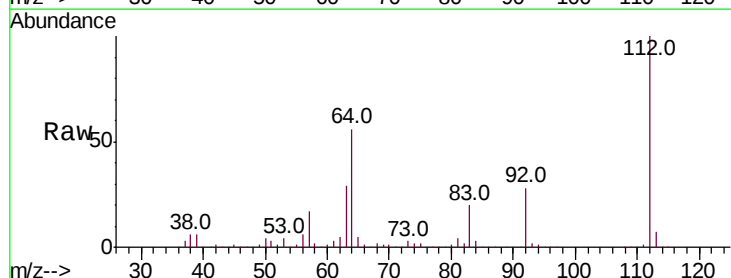
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



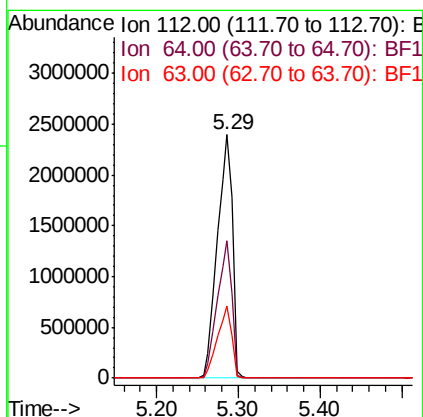
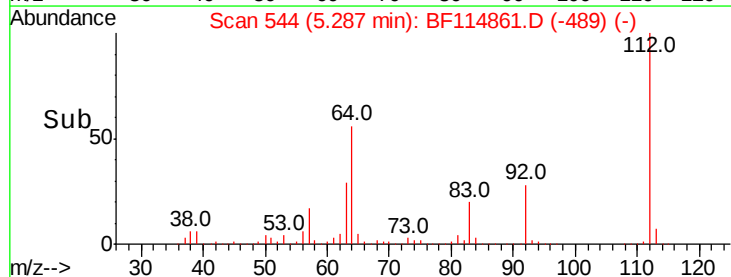
#5

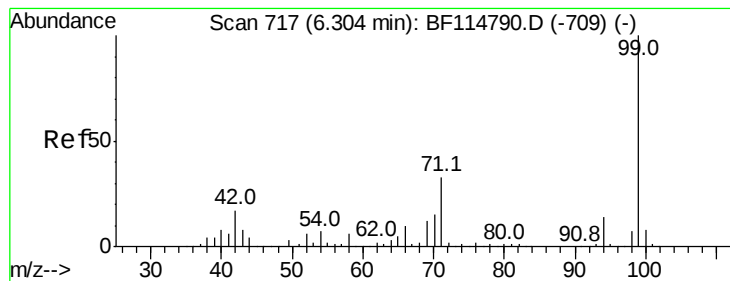
2-Fluorophenol
Concen: 115.696 ng
RT: 5.29 min Scan# 544
Delta R.T. 0.02 min
Lab File: BF114861.D
Acq: 6 Jun 2019 14:22

Tgt Ion:112 Resp: 3105472
Ion Ratio Lower Upper
112 100
64 56.4 44.6 66.8
63 29.5 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: 117.776 ng

RT: 6.32 min Scan# 719

Delta R.T. 0.01 min

Lab File: BF114861.D

Acq: 6 Jun 2019 14:22

Instrument :

BNA_F

ClientSampleId :

S-7A

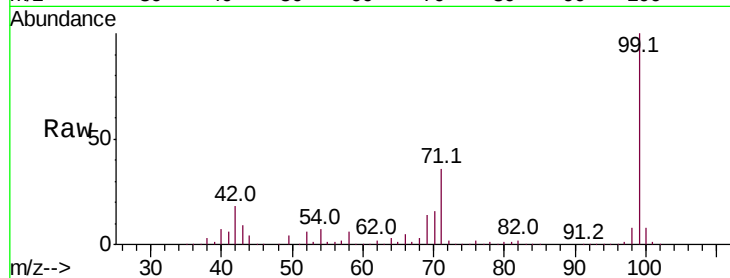
Tot Ion: 99 Resp: 3846695

Ion Ratio Lower Upper

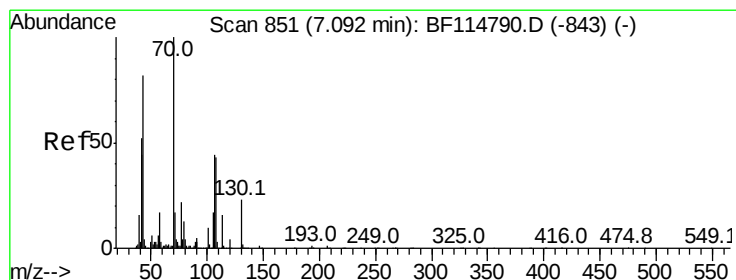
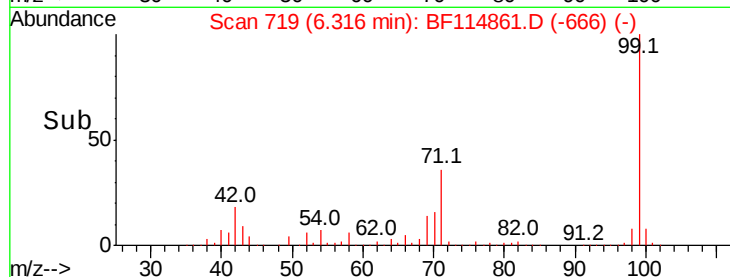
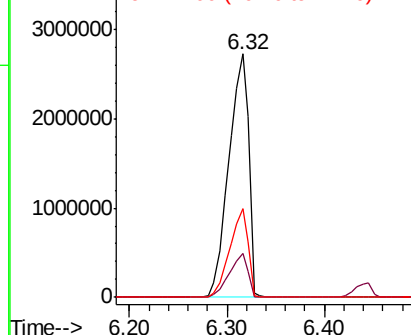
99 100

42 18.1 13.3 19.9

71 36.2 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: 15.476 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.14 min

Lab File: BF114861.D

Acq: 6 Jun 2019 14:22

Tgt Ion: 70 Resp: 334584

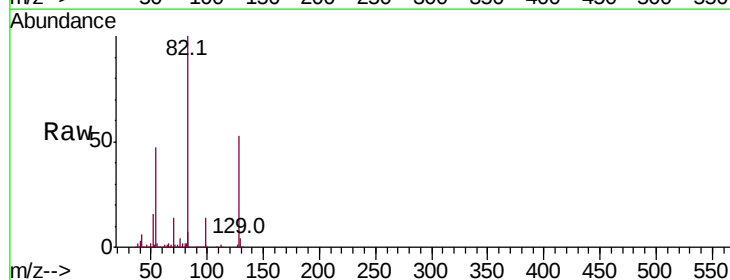
Ion Ratio Lower Upper

70 100

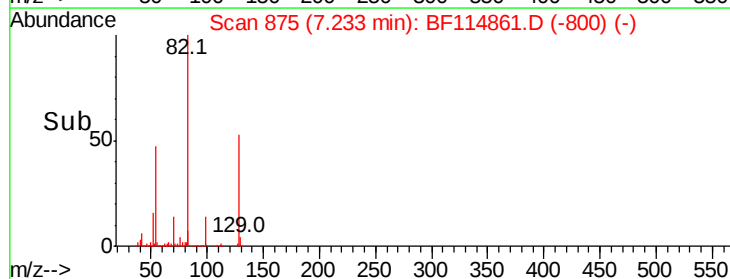
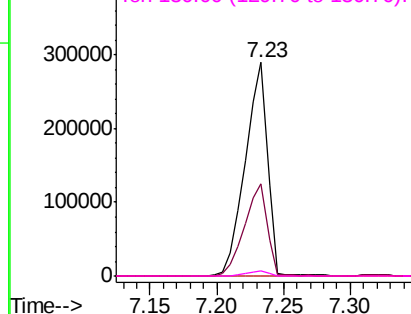
42 43.1 41.8 62.8

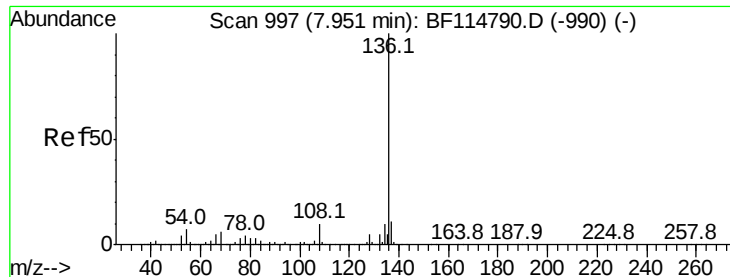
101 0.0 8.2 12.4#

130 2.4 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



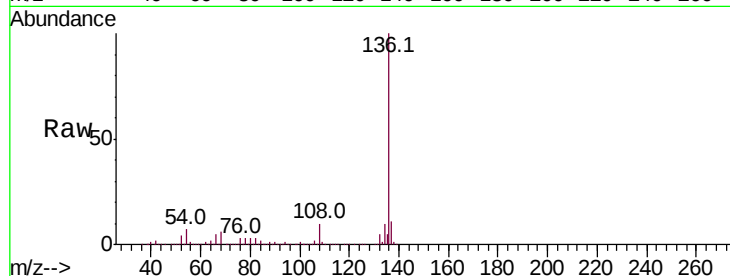


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.00 min
Lab File: BF114861.D
Acq: 6 Jun 2019 14:22

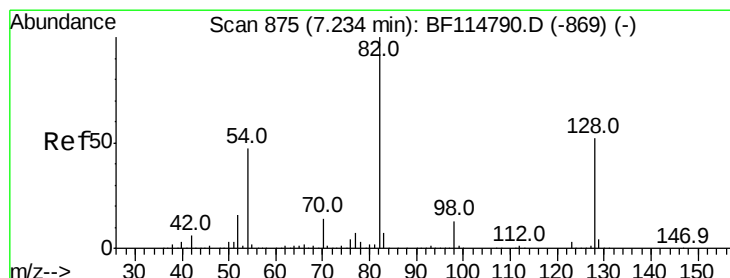
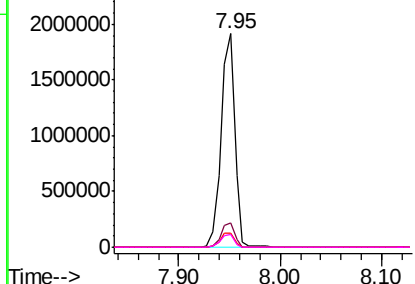
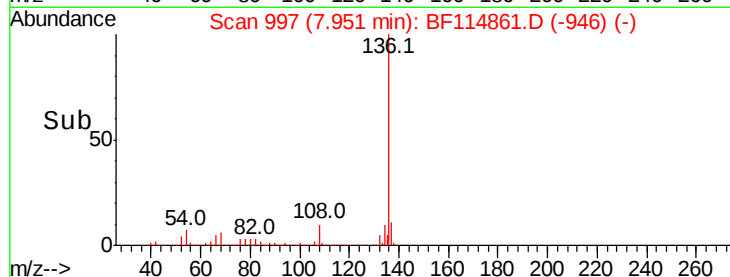
Instrument :
BNA_F
ClientSampleId :
S-7A

Tot Ion:136 Resp: 1807516

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	6.8	5.4	8.0
68	6.0	4.6	6.8



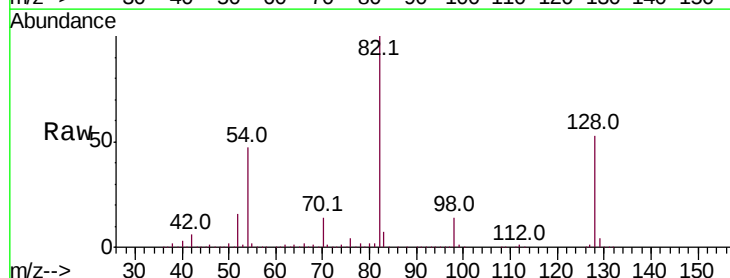
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



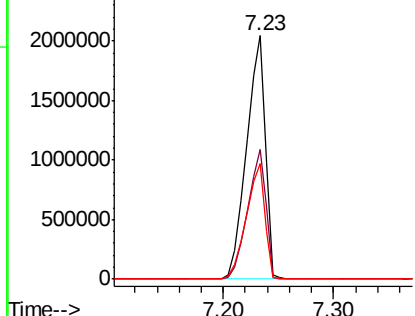
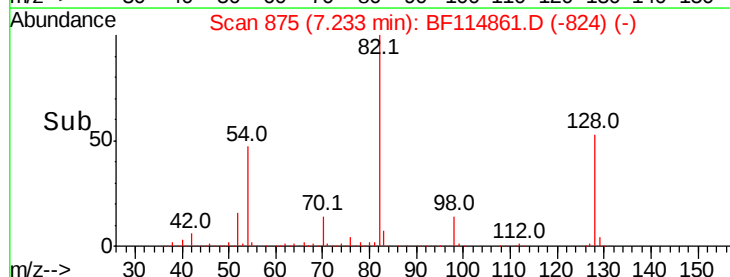
#23
Nitrobenzene-d5
Concen: 83.440 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.00 min
Lab File: BF114861.D
Acq: 6 Jun 2019 14:22

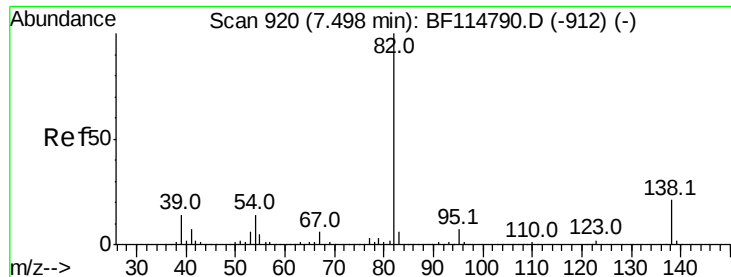
Tgt Ion: 82 Resp: 2450000

Ion	Ratio	Lower	Upper
82	100		
128	53.3	41.8	62.6
54	47.4	37.9	56.9



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





#25

Isophorone

Concen: 40.246 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.26 min

Lab File: BF114861.D

Acq: 6 Jun 2019 14:22

Instrument :

BNA_F

ClientSampleId :

S-7A

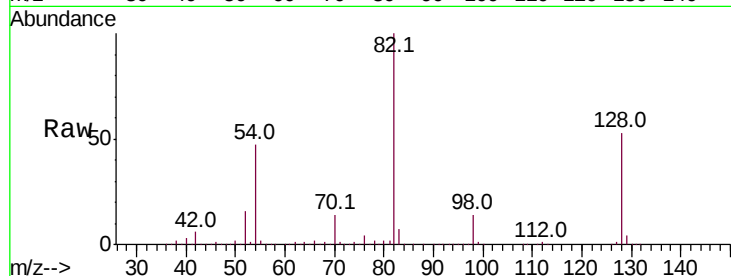
Tot Ion: 82 Resp: 2336193

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

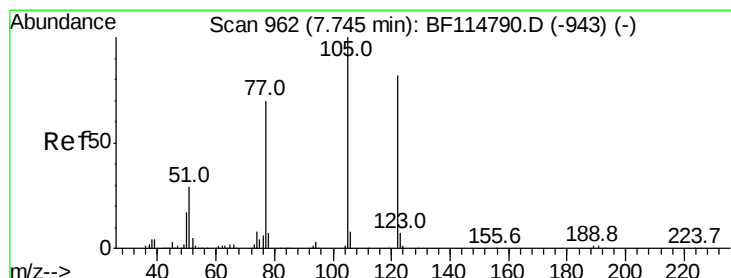
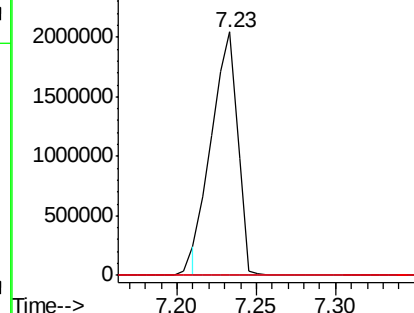
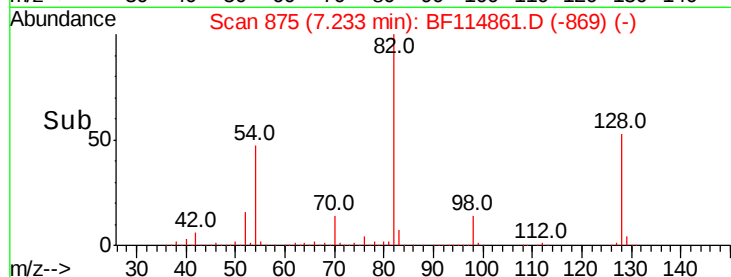
138 0.0 16.9 25.3#



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



#32

Benzoic acid

Concen: 3.141 ng

RT: 7.67 min Scan# 950

Delta R.T. -0.07 min

Lab File: BF114861.D

Acq: 6 Jun 2019 14:22

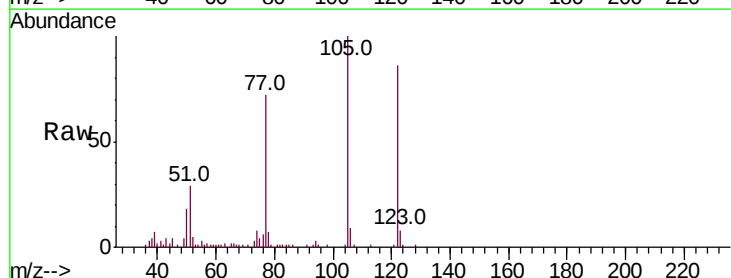
Tgt Ion:122 Resp: 57284

Ion Ratio Lower Upper

122 100

105 116.6 98.7 138.7

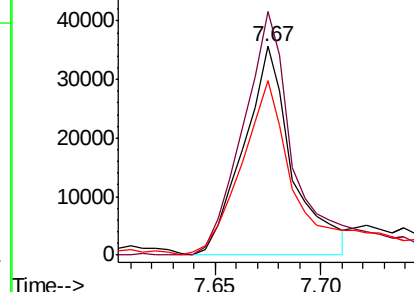
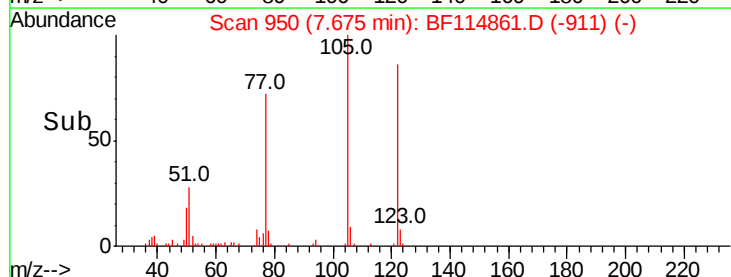
77 83.7 64.8 104.8

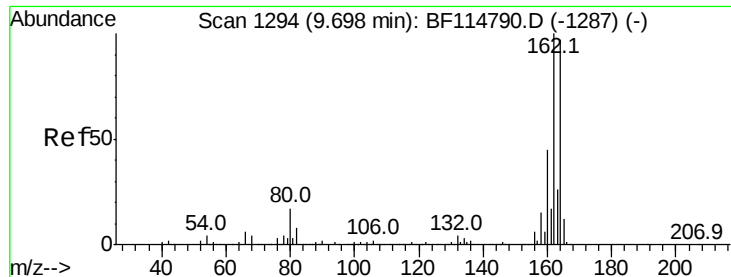


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

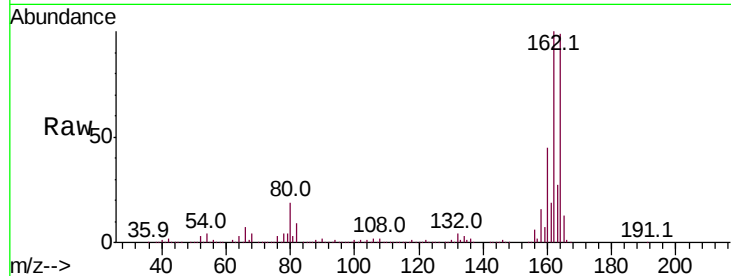




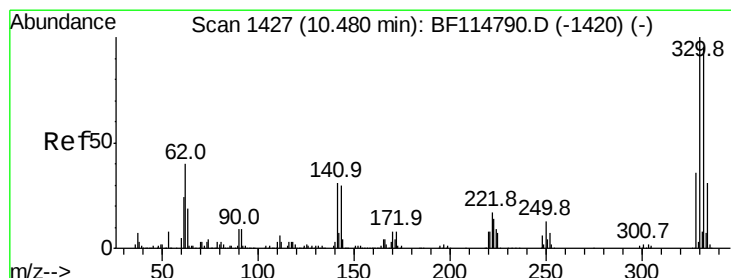
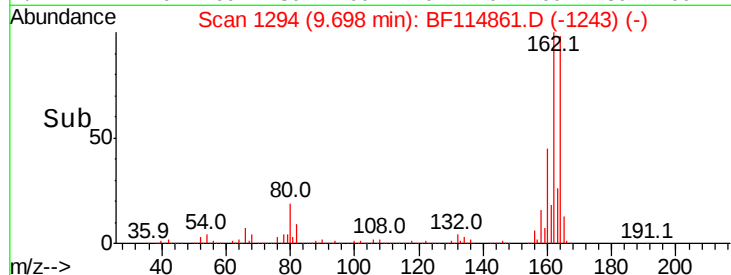
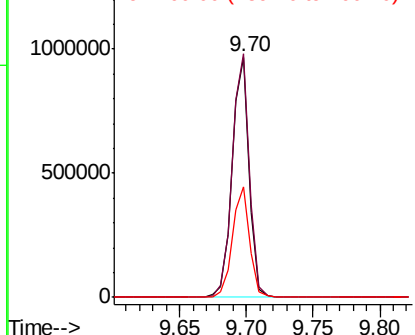
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BF114861.D
Acq: 6 Jun 2019 14:22

Instrument :
BNA_F
ClientSampleId :
S-7A

Tot Ion:164 Resp: 867134
Ion Ratio Lower Upper
164 100
162 101.5 82.3 123.5
160 45.8 36.7 55.1

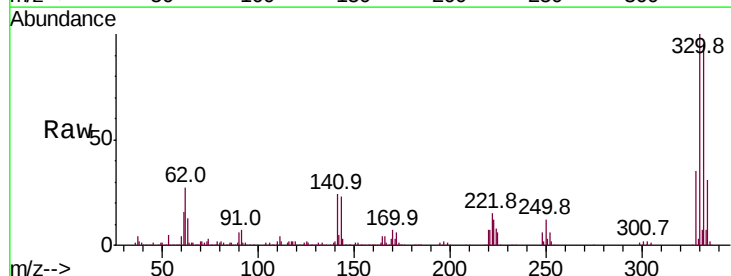


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

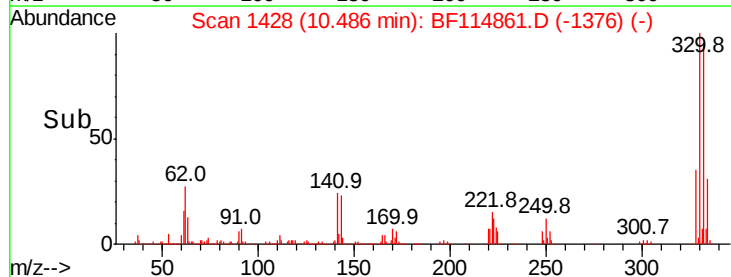
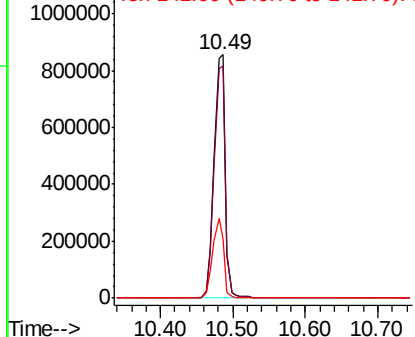


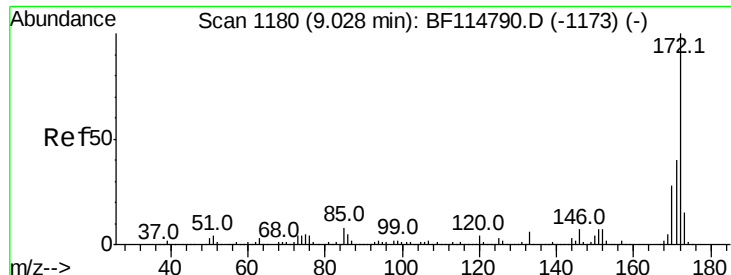
#42
2,4,6-Tribromophenol
Concen: 99.392 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.01 min
Lab File: BF114861.D
Acq: 6 Jun 2019 14:22

Tgt Ion:330 Resp: 928796
Ion Ratio Lower Upper
330 100
332 95.2 77.3 115.9
141 32.4 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

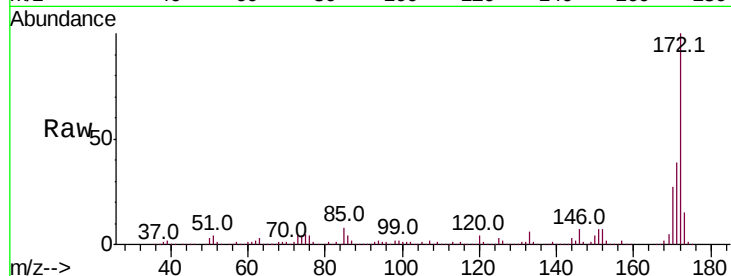




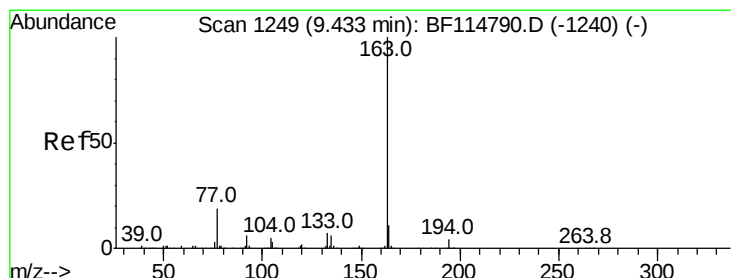
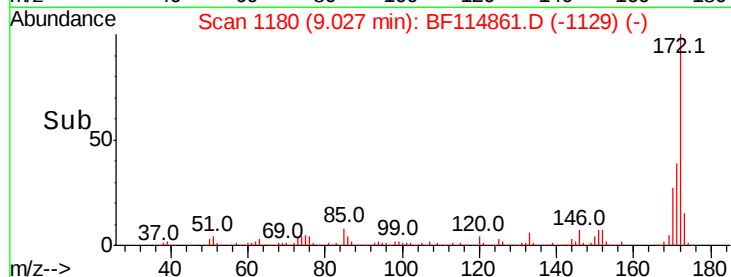
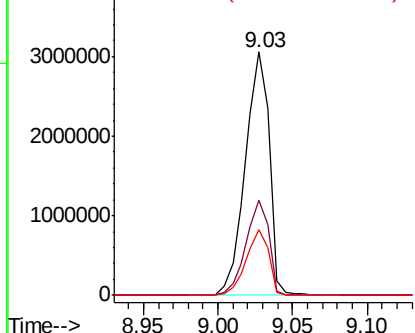
#45
2-Fluorobiphenyl
Concen: 73.198 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BF114861.D
Acq: 6 Jun 2019 14:22

Instrument :
BNA_F
ClientSampleId :
S-7A

Tot Ion:172 Resp: 3388305
Ion Ratio Lower Upper
172 100
171 38.9 32.3 48.5
170 26.9 22.4 33.6

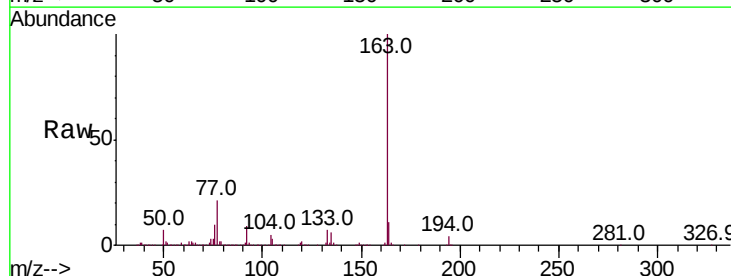


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

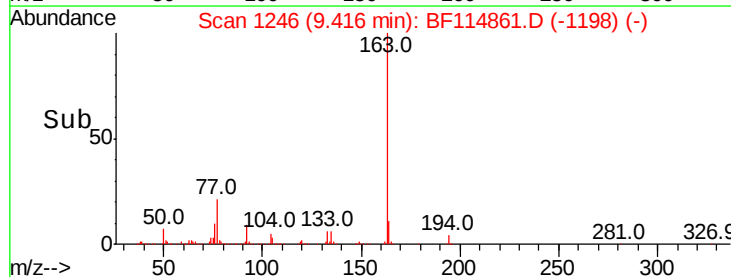
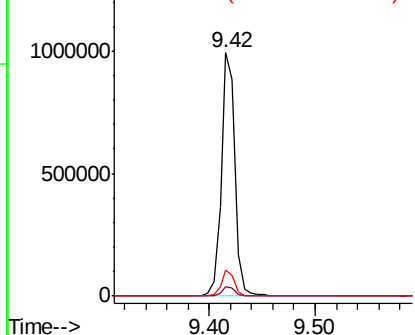


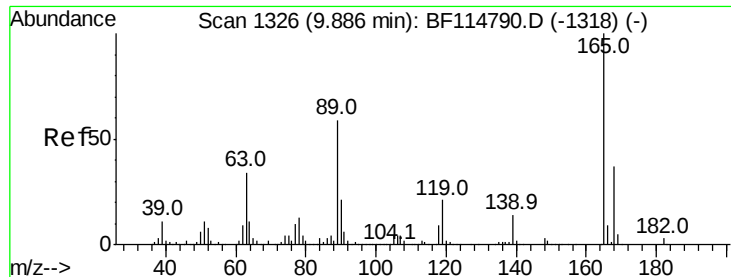
#50
Dimethylphthalate
Concen: 14.214 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF114861.D
Acq: 6 Jun 2019 14:22

Tgt Ion:163 Resp: 900183
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.2
164 10.6 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

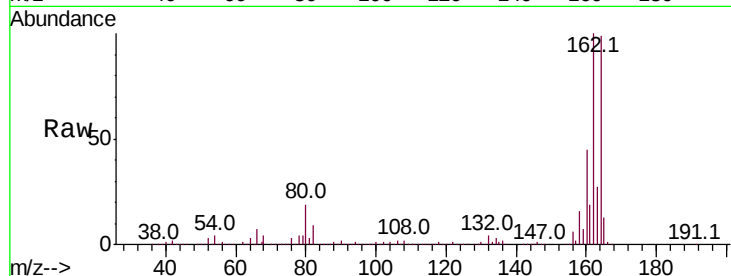




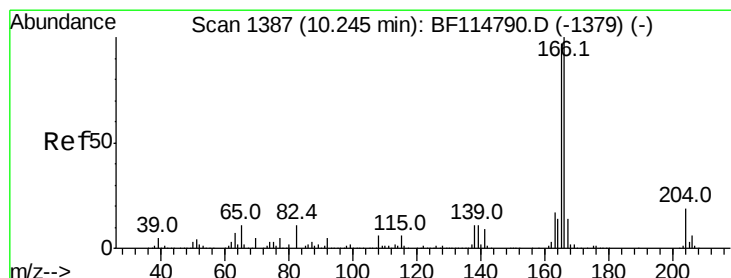
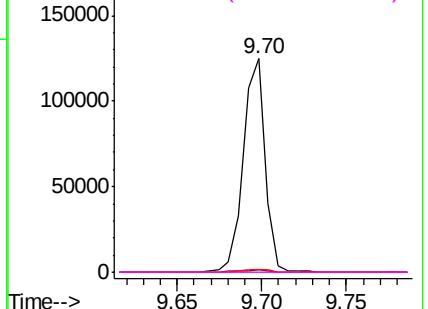
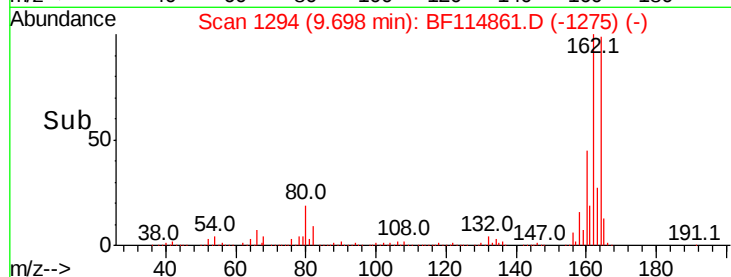
#57
2,4-Dinitrotoluene
Concen: 6.049 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.19 min
Lab File: BF114861.D
Acq: 6 Jun 2019 14:22

Instrument :
BNA_F
ClientSampleId :
S-7A

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	27.0	40.4#
89	1.2	47.0	70.6#
182	0.0	2.2	3.2#

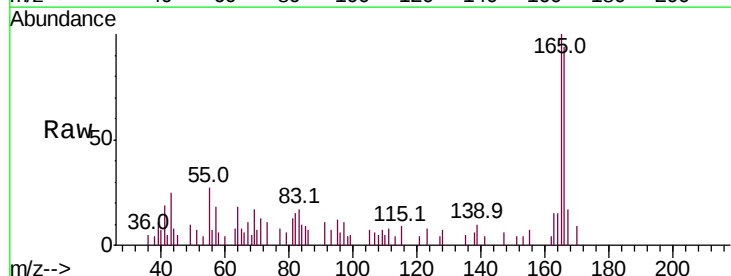


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

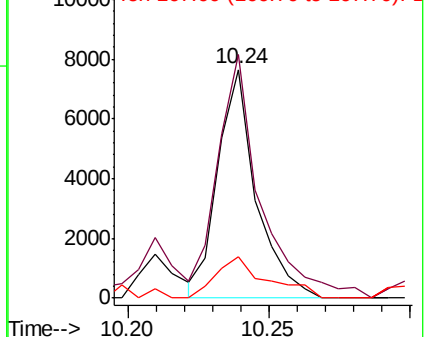
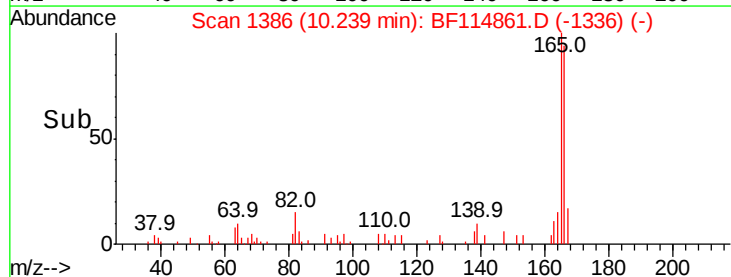


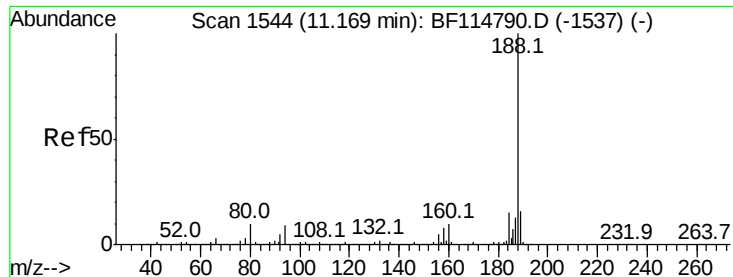
#58
Fluorene
Concen: Below Cal
RT: 10.24 min Scan# 1386
Delta R.T. -0.01 min
Lab File: BF114861.D
Acq: 6 Jun 2019 14:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.6	77.9	116.9
167	18.1	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

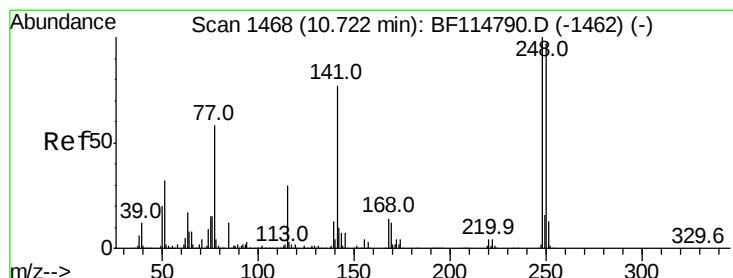
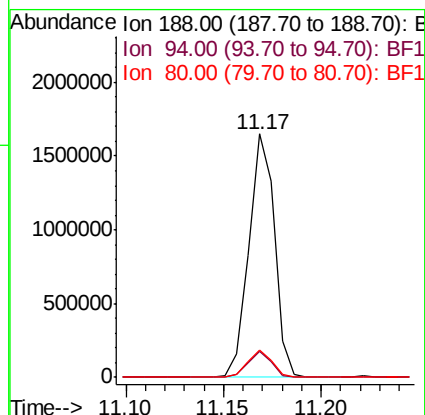
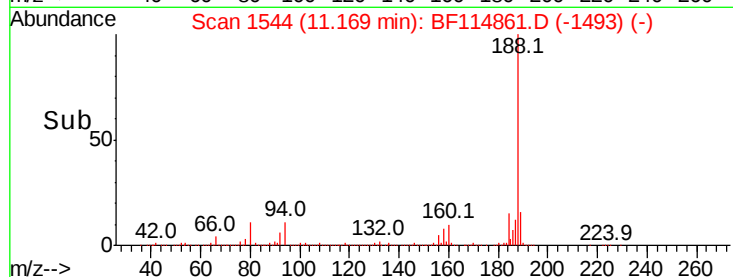
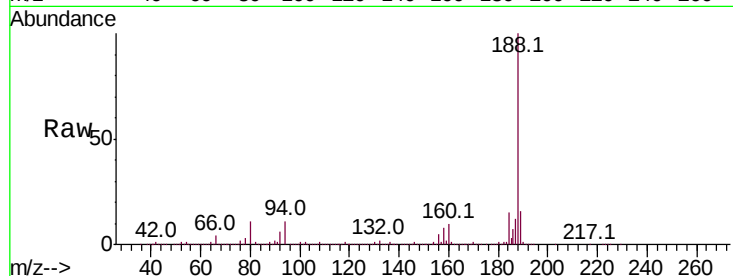




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.00 min
Lab File: BF114861.D
Acq: 6 Jun 2019 14:22

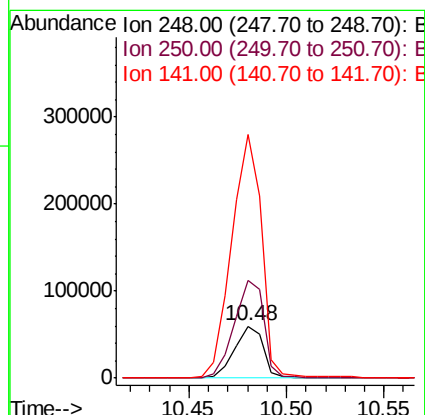
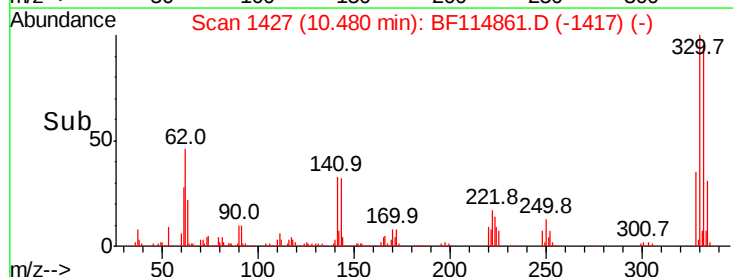
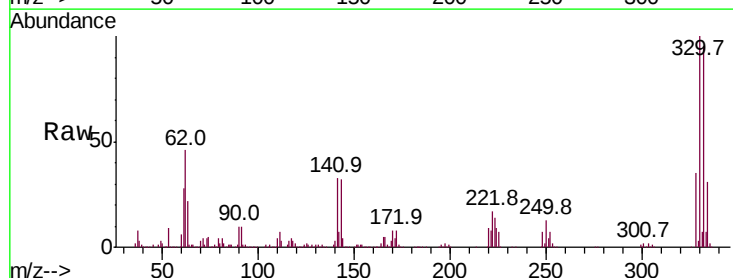
Instrument :
BNA_F
ClientSampleId :
S-7A

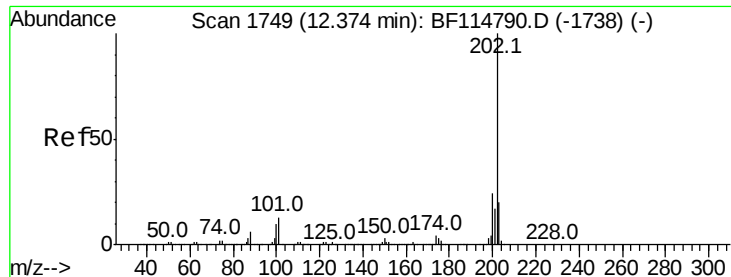
Tot Ion:188 Resp: 1505479
Ion Ratio Lower Upper
188 100
94 10.7 7.6 11.4
80 11.5 8.3 12.5



#67
4-Bromophenyl-phenylether
Concen: 3.561 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.24 min
Lab File: BF114861.D
Acq: 6 Jun 2019 14:22

Tgt Ion:248 Resp: 60886
Ion Ratio Lower Upper
248 100
250 188.6 77.5 116.3#
141 469.2 61.8 92.8#





#75

Fluoranthene

Concen: 4.319 ng

RT: 12.37 min Scan# 1749

Delta R.T. -0.00 min

Lab File: BF114861.D

Acq: 6 Jun 2019 14:22

Instrument :

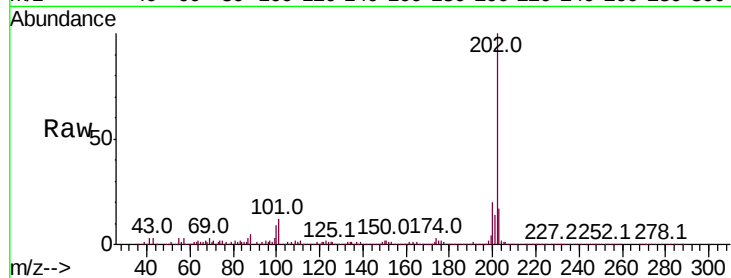
BNA_F

ClientSampleId :

S-7A

Tot Ion:202 Resp: 323047

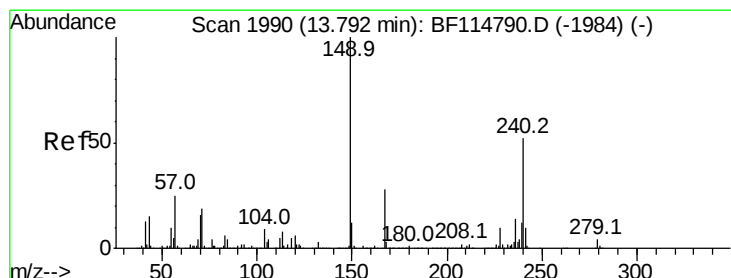
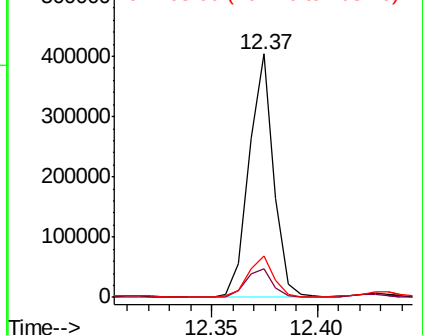
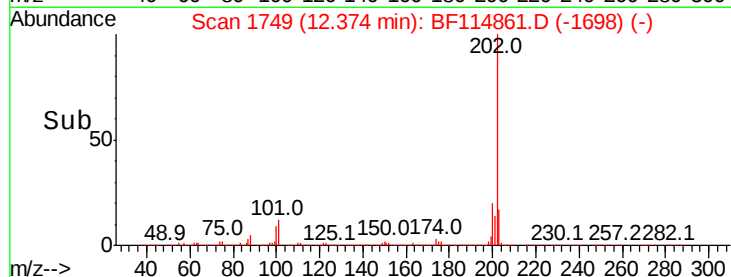
Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	32.8
203	16.9	0.2	40.2



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

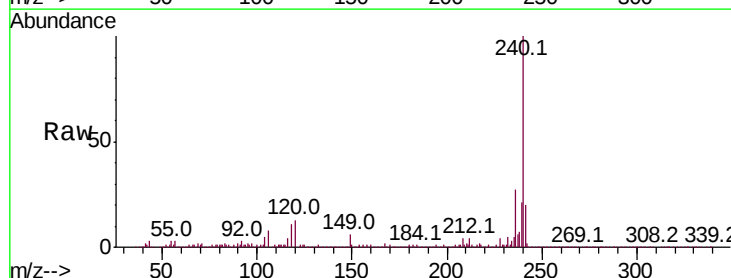
Delta R.T. -0.00 min

Lab File: BF114861.D

Acq: 6 Jun 2019 14:22

Tgt Ion:240 Resp: 901033

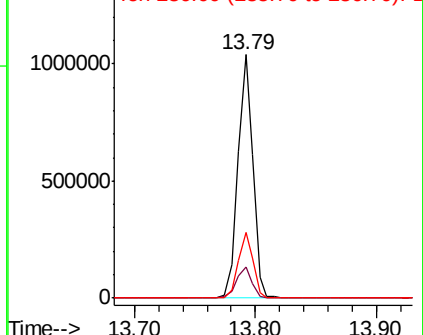
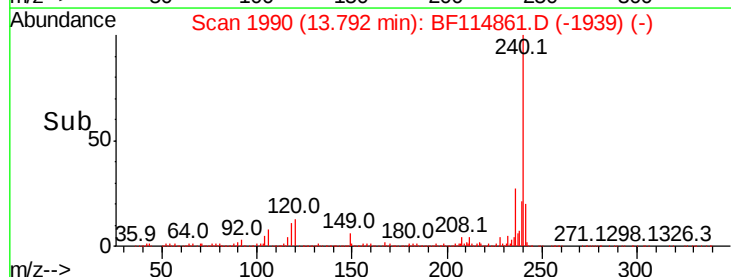
Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.0	13.4
236	26.8	21.4	32.0

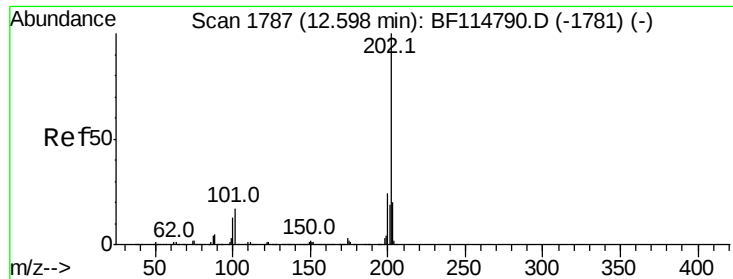


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

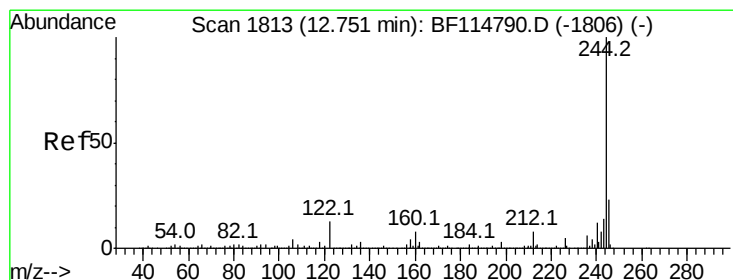
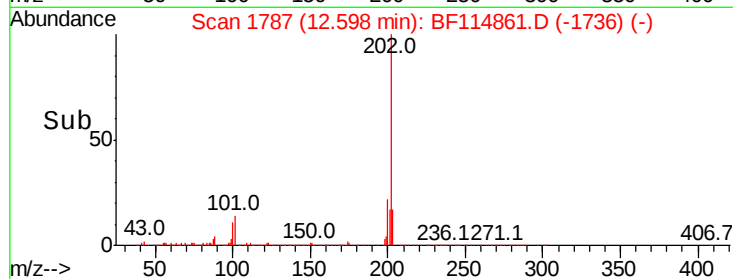
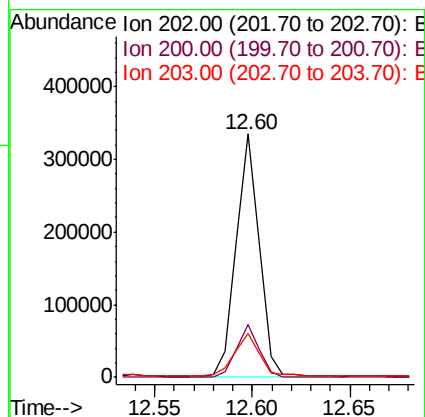
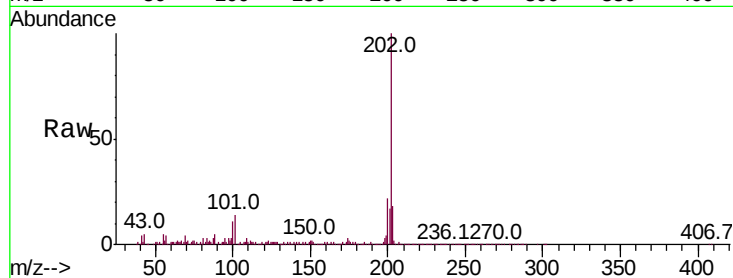




#78
Pvrene
Concen: 3.511 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BF114861.D
Acq: 6 Jun 2019 14:22

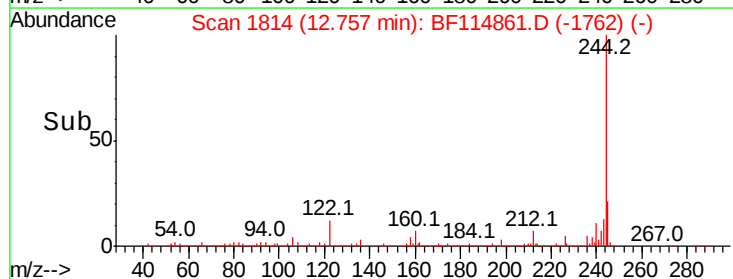
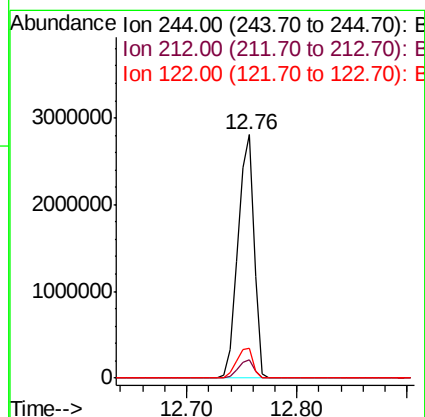
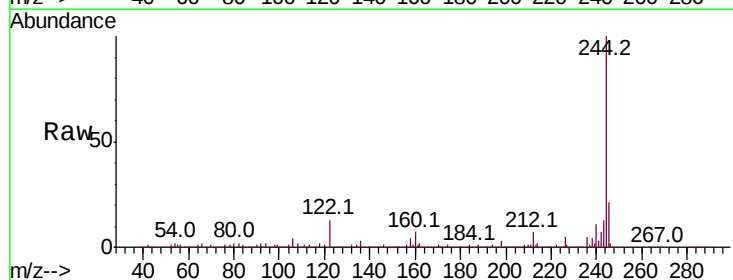
Instrument :
BNA_F
ClientSampleId :
S-7A

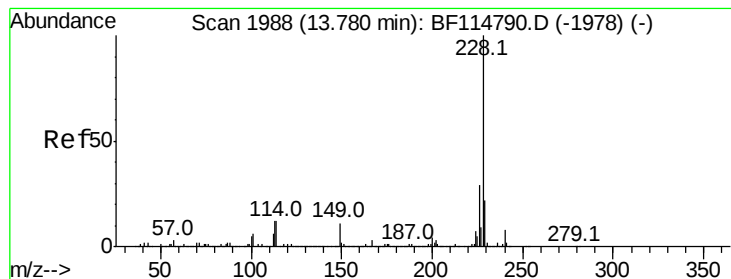
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	19.2	28.8
203	17.9	15.9	23.9



#79
Terphenyl-d14
Concen: 62.612 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BF114861.D
Acq: 6 Jun 2019 14:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.5	9.7
122	12.5	10.5	15.7





#81

Benzo(a)anthracene

Concen: 2.345 ng

RT: 13.78 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BF114861.D

Acq: 6 Jun 2019 14:22

Instrument :

BNA_F

ClientSampleId :

S-7A

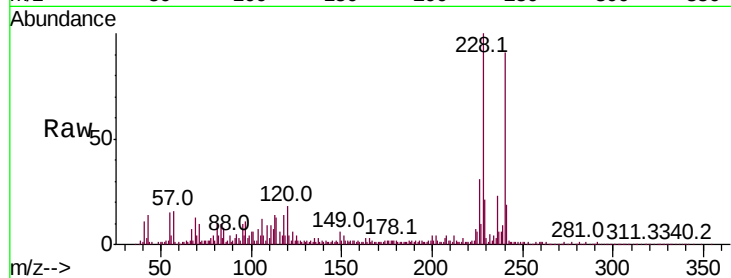
Tot Ion:228 Resp: 162822

Ion Ratio Lower Upper

228 100

226 31.0 23.4 35.2

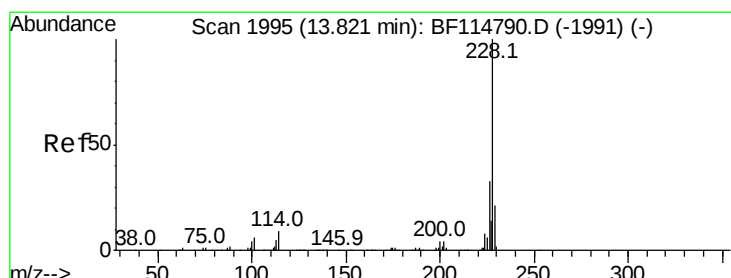
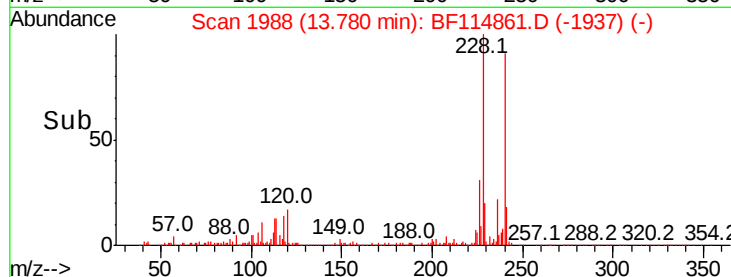
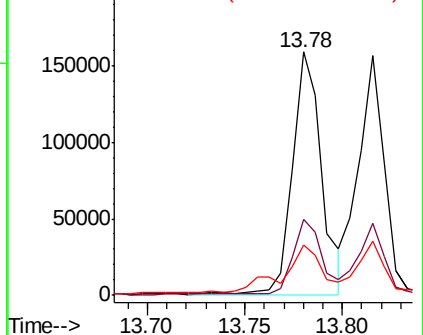
229 20.8 17.4 26.0



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: 2.126 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF114861.D

Acq: 6 Jun 2019 14:22

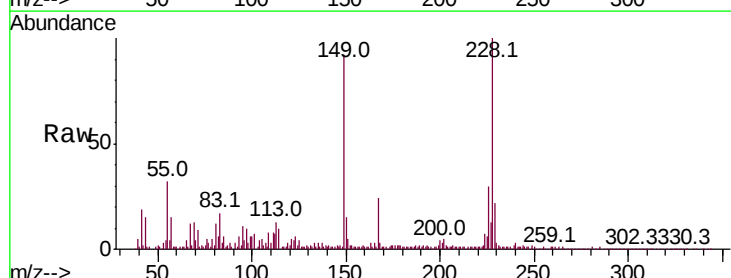
Tgt Ion:228 Resp: 143604

Ion Ratio Lower Upper

228 100

226 30.3 26.0 39.0

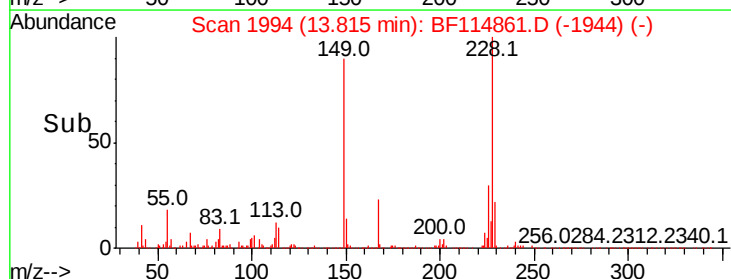
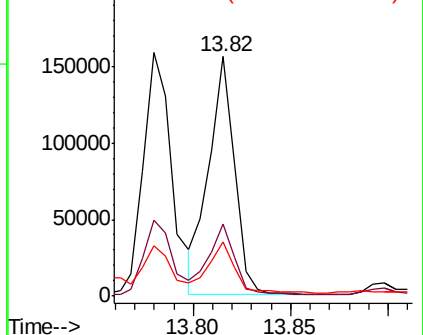
229 22.5 17.1 25.7

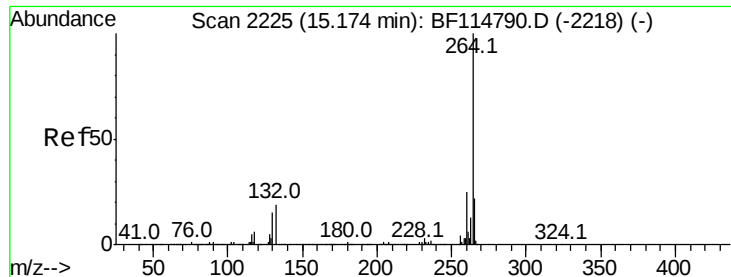


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.19 min Scan# 2227

Delta R.T. 0.01 min

Lab File: BF114861.D

Acq: 6 Jun 2019 14:22

Instrument :

BNA_F

ClientSampleId :

S-7A

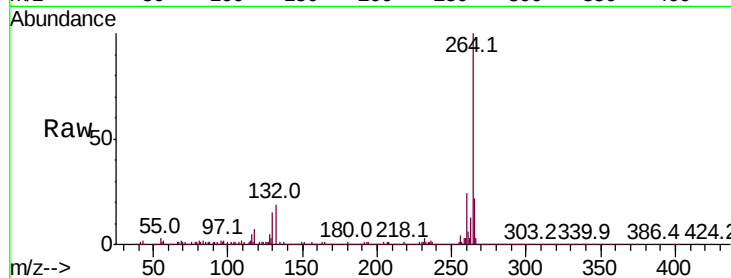
Tot Ion:264 Resp: 918401

Ion Ratio Lower Upper

264 100

260 24.5 20.1 30.1

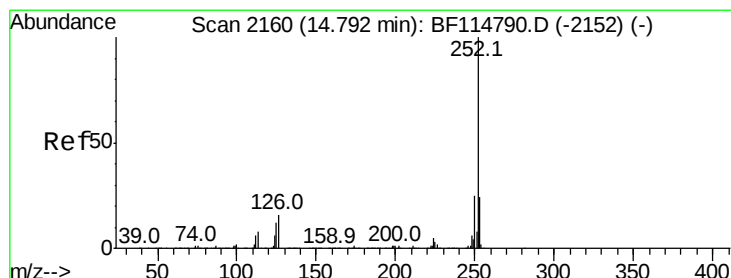
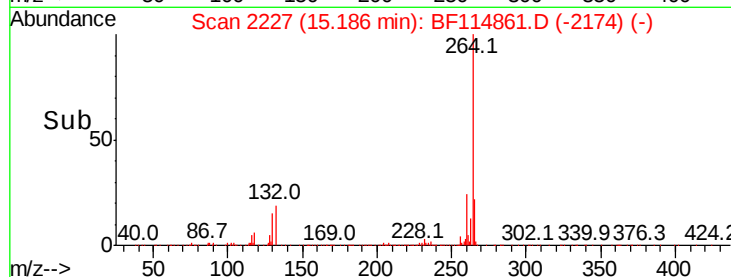
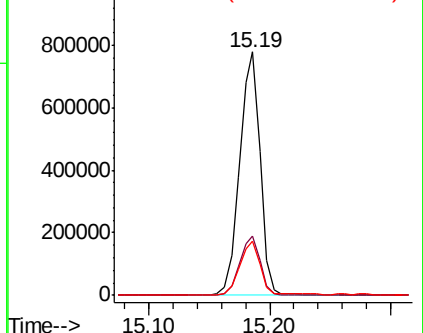
265 22.3 17.7 26.5



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: 4.221 ng

RT: 14.80 min Scan# 2161

Delta R.T. 0.01 min

Lab File: BF114861.D

Acq: 6 Jun 2019 14:22

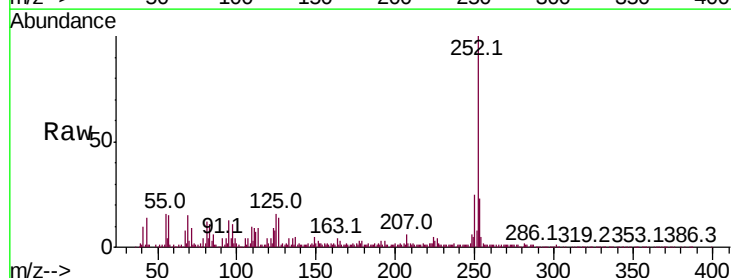
Tgt Ion:252 Resp: 246808

Ion Ratio Lower Upper

252 100

253 22.9 19.0 28.6

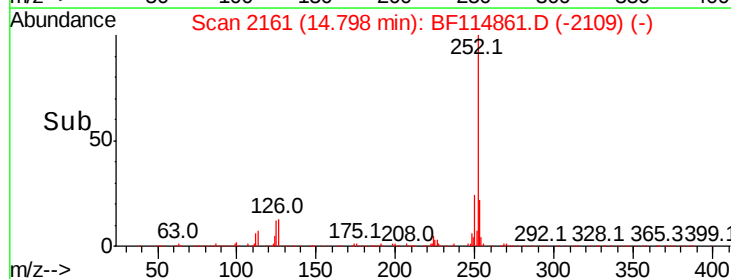
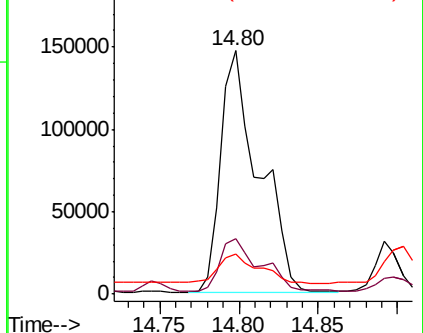
125 16.4 9.4 14.0#

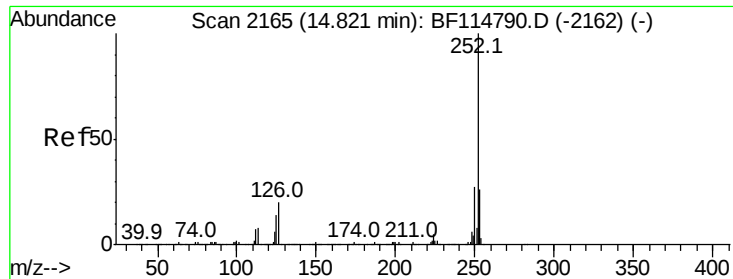


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 4.971 ng

RT: 14.80 min Scan# 2161

Delta R.T. -0.02 min

Lab File: BF114861.D

Acq: 6 Jun 2019 14:22

Instrument :

BNA_F

ClientSampleId :

S-7A

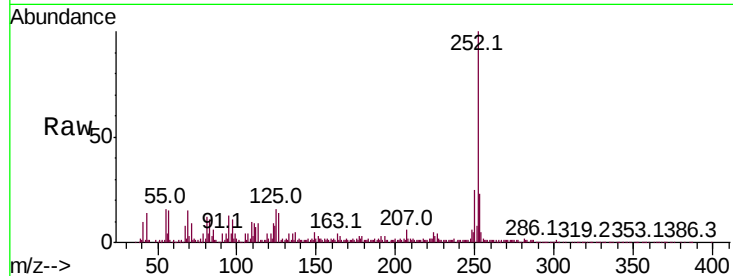
Tot Ion:252 Resp: 246808

Ion Ratio Lower Upper

252 100

253 22.9 19.3 28.9

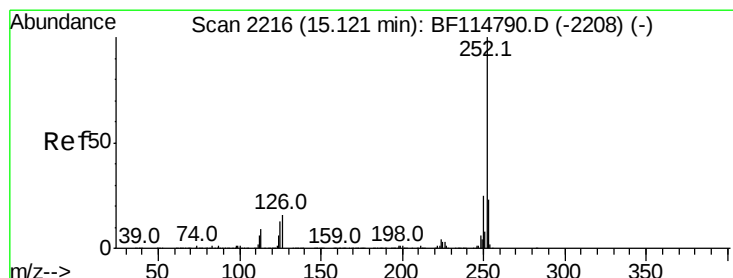
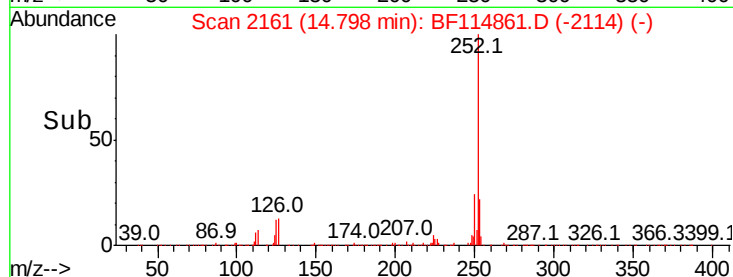
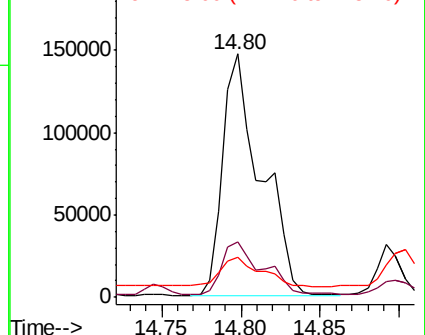
125 16.4 10.1 15.1#



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: 2.448 ng

RT: 15.12 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BF114861.D

Acq: 6 Jun 2019 14:22

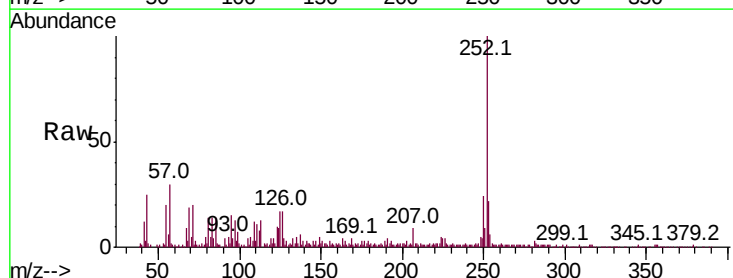
Tgt Ion:252 Resp: 123867

Ion Ratio Lower Upper

252 100

253 22.4 18.5 27.7

125 17.2 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

