

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114843.D
 Acq On : 6 Jun 2019 2:36
 Operator : HP/JU
 Sample : K3151-05 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 05:05:50 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	348192	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1337613	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	649275	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1168758	20.00	ng	0.00
76) Chrysene-d12	13.80	240	766179	20.00	ng	0.00
87) Perylene-d12	15.18	264	633310	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	457937	22.98	ng	0.00
7) Phenol-d6	6.30	99	782203	32.26	ng	0.00
23) Nitrobenzene-d5	7.22	82	442475	20.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.48	330	257152	36.75	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	1111791	32.08	ng	0.00
79) Terphenyl-d14	12.76	244	1204851	30.58	ng	0.00

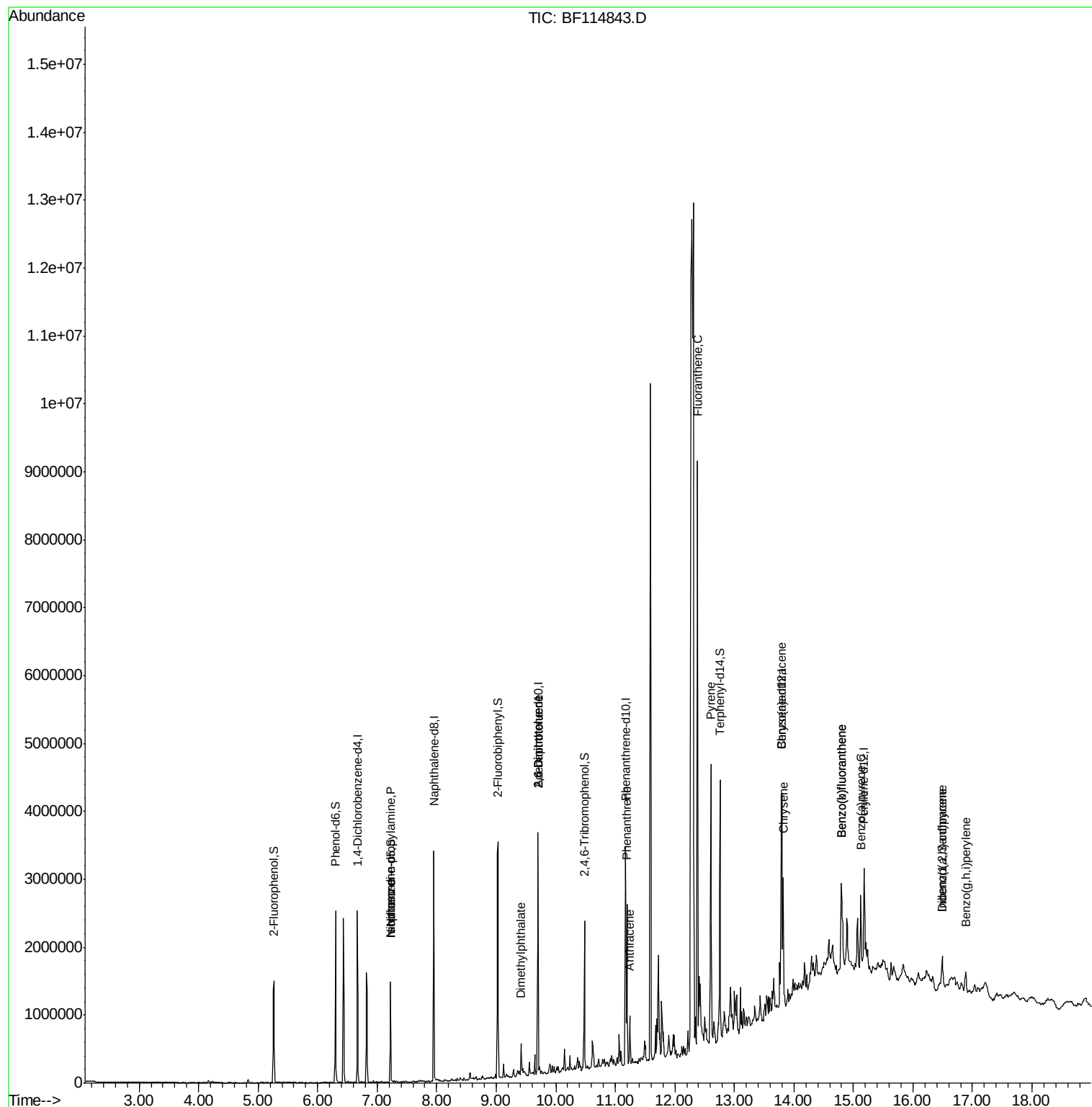
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.22	70	59139	3.685	ng	# 78
25) Isophorone	7.22	82	431055	10.035	ng	# 61
50) Dimethylphthalate	9.42	163	179286	3.781	ng	100
51) 2,6-Dinitrotoluene	9.70	165	86588	7.764	ng	# 32
57) 2,4-Dinitrotoluene	9.70	165	86588	6.176	ng	# 32
58) Fluorene	10.24	166	45648	Below Cal		93
71) Phenanthrene	11.20	178	877936	15.735	ng	96
72) Anthracene	11.24	178	247562	4.216	ng	94
75) Fluoranthene	12.38	202	1615792	27.824	ng	94
78) Pyrene	12.61	202	1652441	24.861	ng	97
81) Benzo(a)anthracene	13.79	228	826672	14.001	ng	99
83) Chrysene	13.82	228	716484	12.475	ng	96
86) Indeno(1,2,3-cd)pyrene	16.49	276	287014	4.380	ng	96
88) Benzo(b)fluoranthene	14.80	252	959432	23.797	ng	# 97
89) Benzo(k)fluoranthene	14.80	252	959432	28.022	ng	97
90) Benzo(a)pyrene	15.12	252	507449	14.542	ng	# 97
91) Dibenzo(a,h)anthracene	16.50	278	74706	2.261	ng	# 76
92) Benzo(g,h,i)perylene	16.89	276	263073	7.916	ng	99

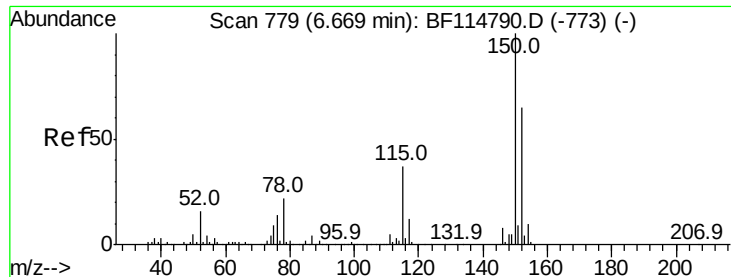
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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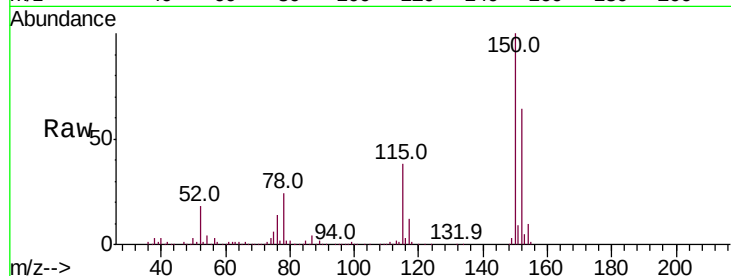


#1

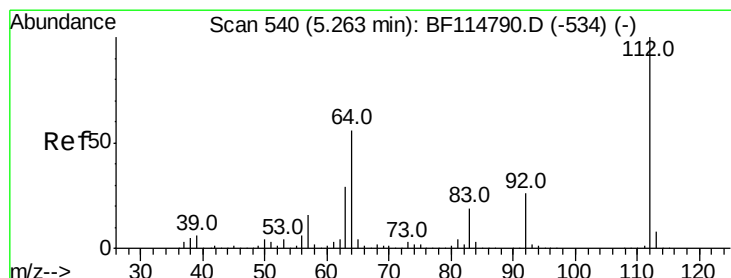
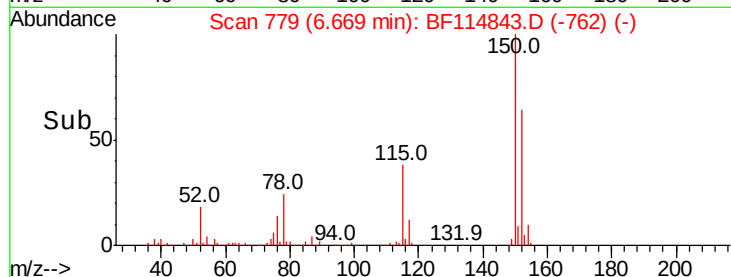
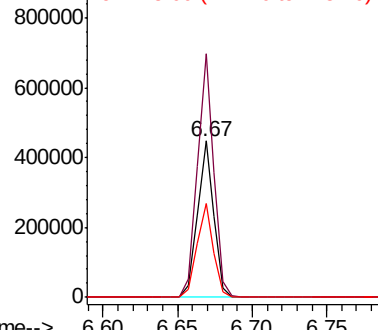
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF114843.D
Acq: 6 Jun 2019 2:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 348192
Ion Ratio Lower Upper
152 100
150 155.7 124.0 186.0
115 59.7 46.3 69.5



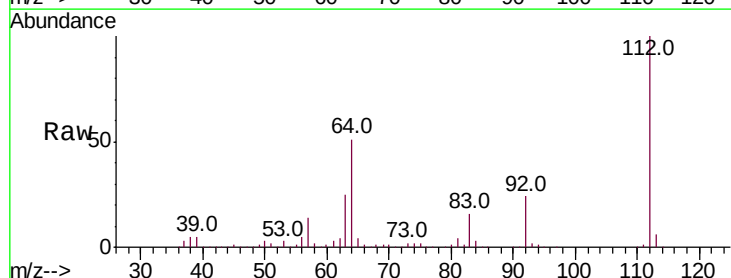
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



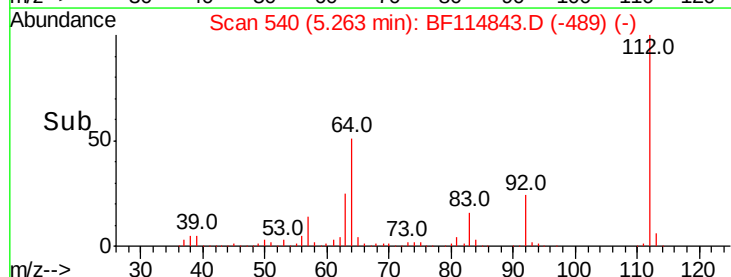
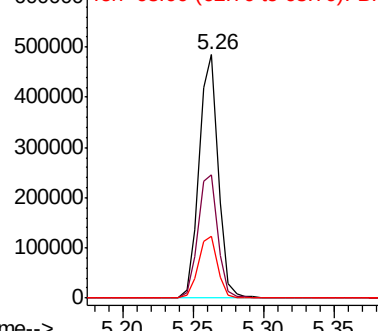
#5

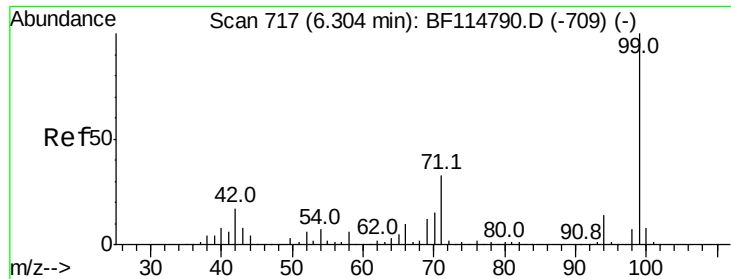
2-Fluorophenol
Concen: 22.981 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.00 min
Lab File: BF114843.D
Acq: 6 Jun 2019 2:36

Tgt Ion:112 Resp: 457937
Ion Ratio Lower Upper
112 100
64 50.7 44.6 66.8
63 25.4 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: 32.260 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF114843.D

Acq: 6 Jun 2019 2:36

Instrument :

BNA_F

ClientSampleId :

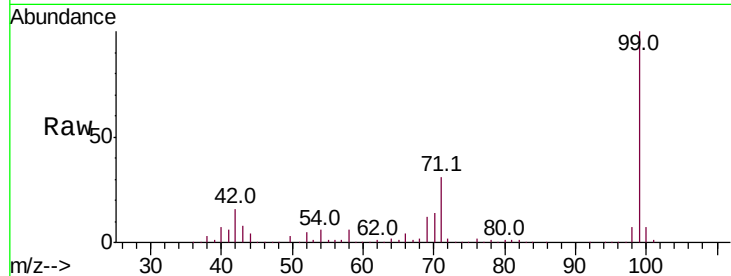
Tot Ion: 99 Resp: 782203

Ion Ratio Lower Upper

99 100

42 16.1 13.3 19.9

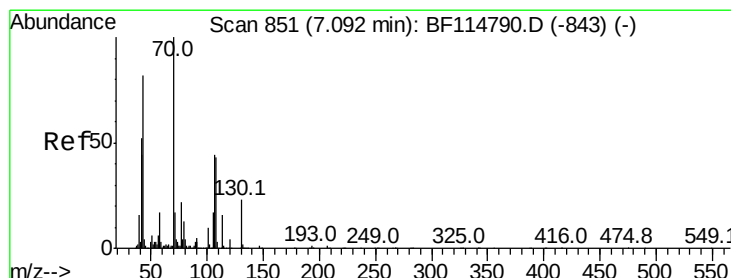
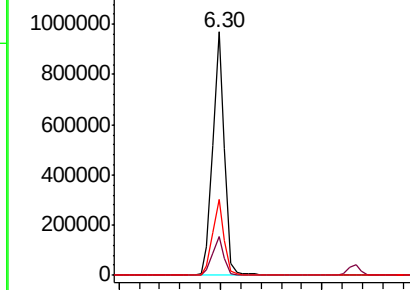
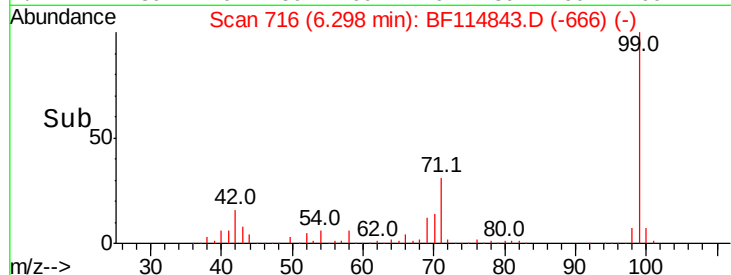
71 31.0 26.3 39.5



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: 3.685 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.13 min

Lab File: BF114843.D

Acq: 6 Jun 2019 2:36

Tgt Ion: 70 Resp: 59139

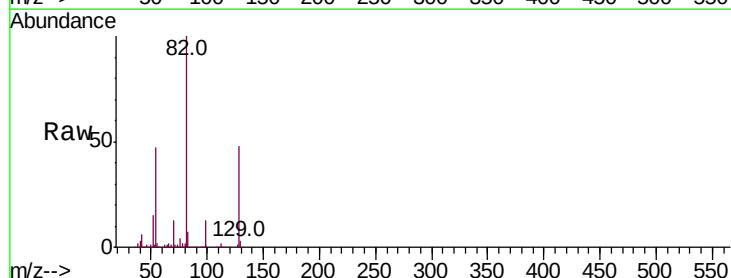
Ion Ratio Lower Upper

70 100

42 44.1 41.8 62.8

101 0.0 8.2 12.4#

130 2.2 18.5 27.7#

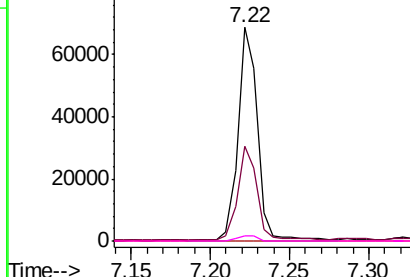
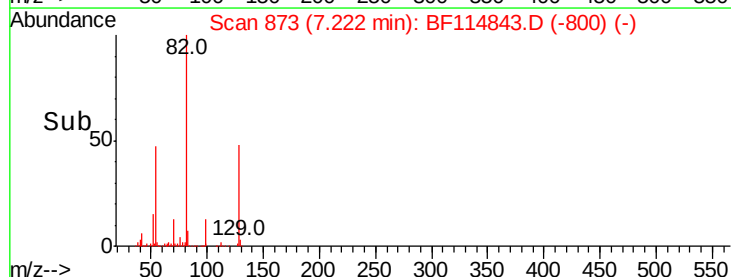


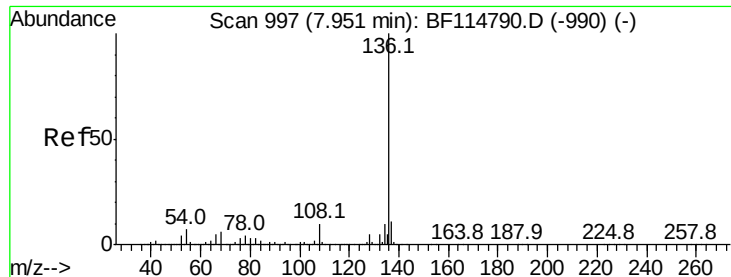
Abundance Ion 70.00 (69.70 to 70.70): BF1

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



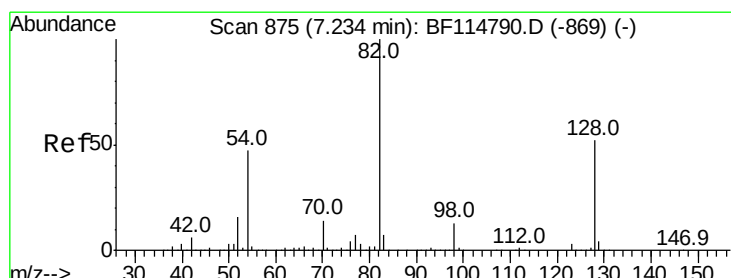
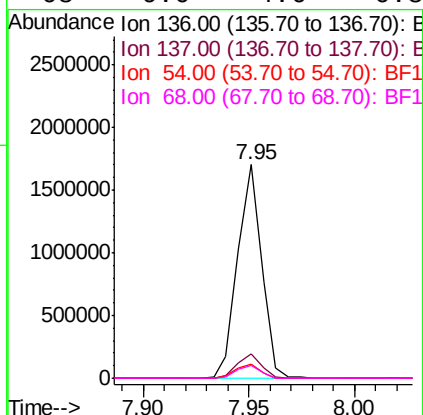
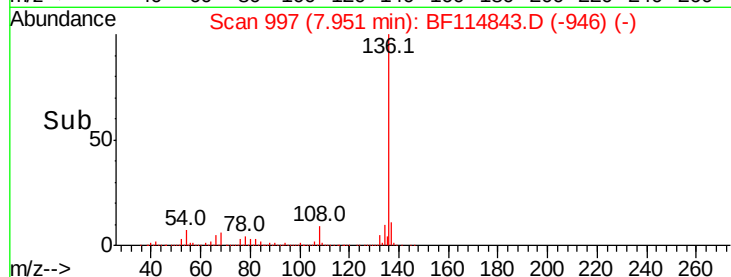
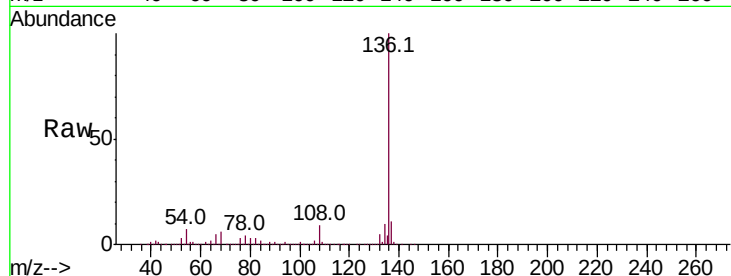


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.00 min
Lab File: BF114843.D
Acq: 6 Jun 2019 2:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:136 Resp: 1337613

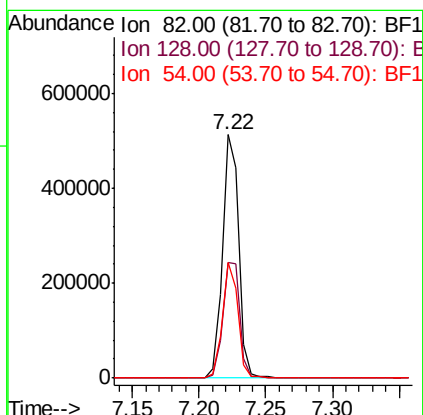
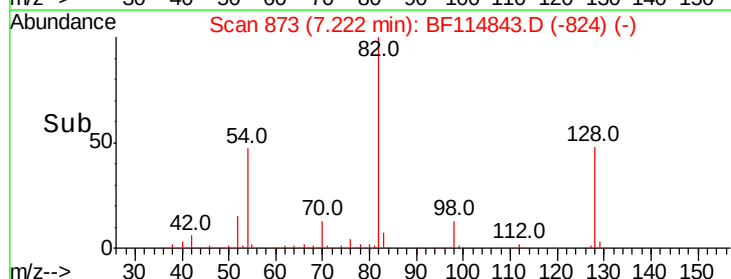
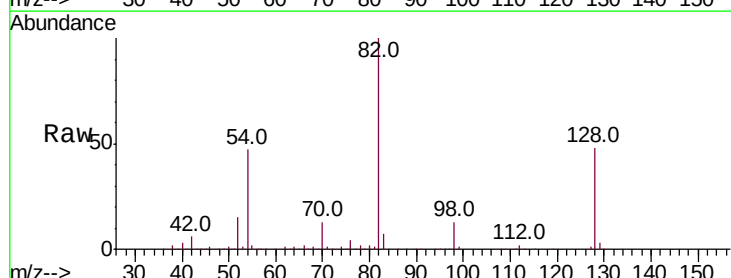
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	6.8	5.4	8.0
68	6.0	4.6	6.8

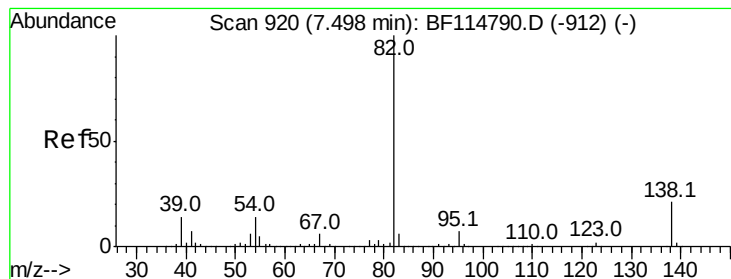


#23
Nitrobenzene-d5
Concen: 20.363 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF114843.D
Acq: 6 Jun 2019 2:36

Tgt Ion: 82 Resp: 442475

Ion	Ratio	Lower	Upper
82	100		
128	47.7	41.8	62.6
54	47.3	37.9	56.9





#25

Isophorone

Concen: 10.035 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.28 min

Lab File: BF114843.D

Acq: 6 Jun 2019 2:36

Instrument :

BNA_F

ClientSampleId :

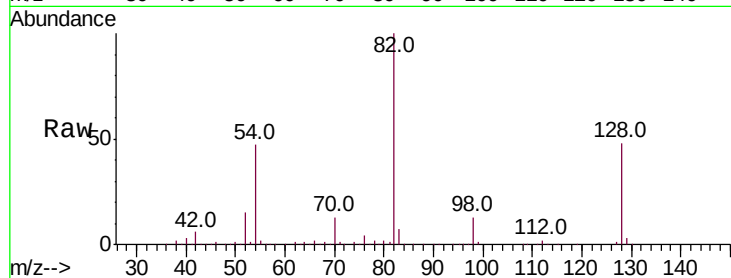
Tot Ion: 82 Resp: 431055

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.8#

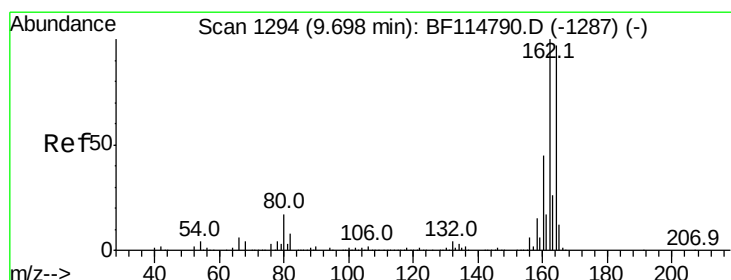
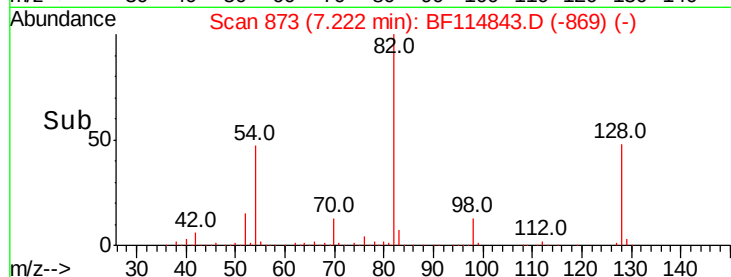
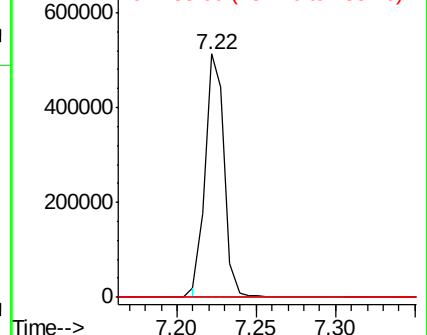
138 0.0 16.9 25.3#



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: 9.70 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BF114843.D

Acq: 6 Jun 2019 2:36

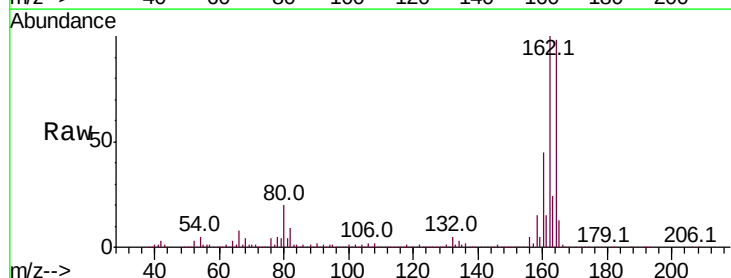
Tgt Ion: 164 Resp: 649275

Ion Ratio Lower Upper

164 100

162 102.2 82.3 123.5

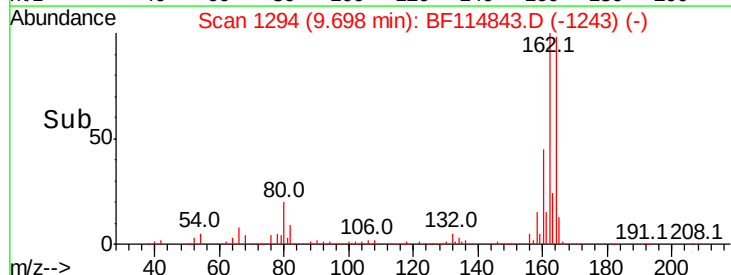
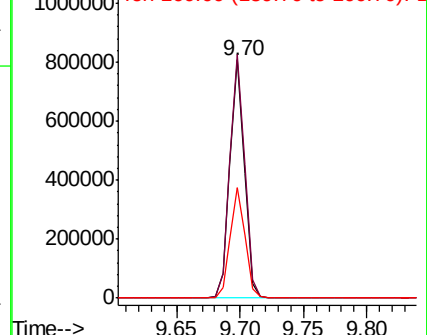
160 46.2 36.7 55.1

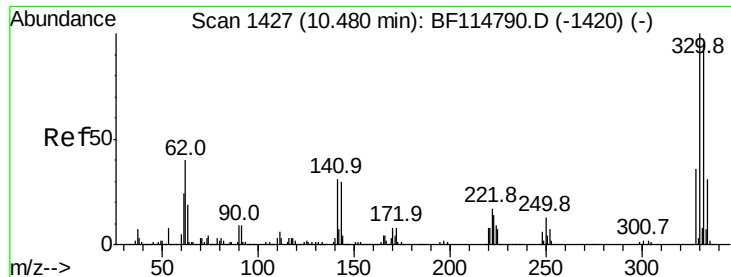


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

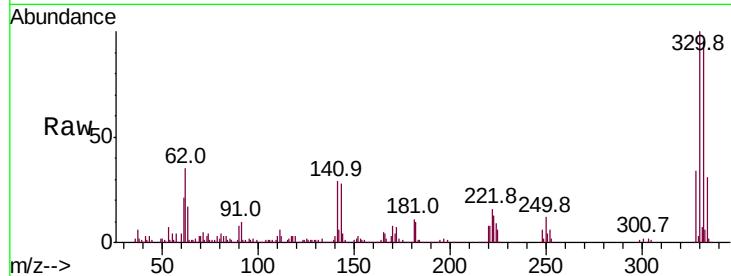




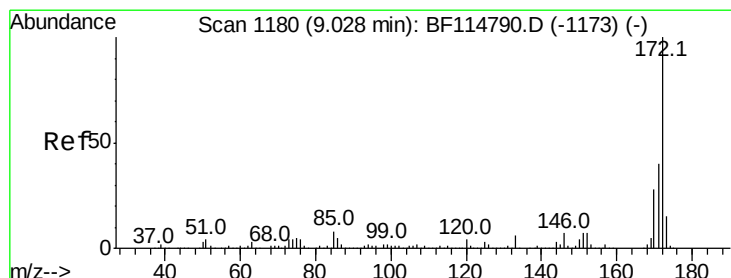
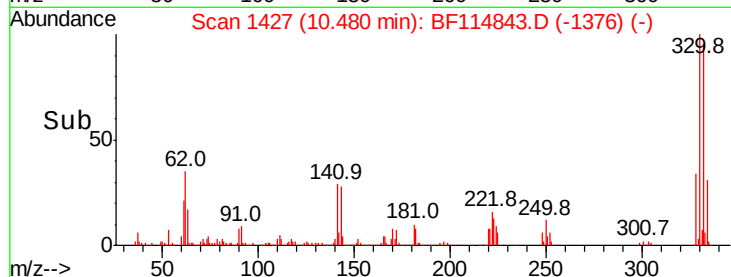
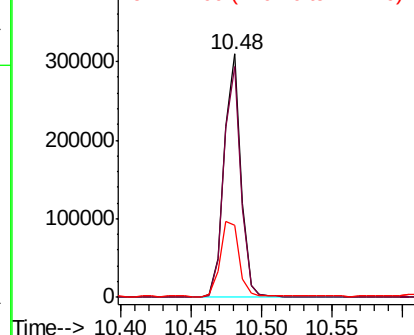
#42
 2,4,6-Tribromophenol
 Concen: 36.752 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: BF114843.D
 Acq: 6 Jun 2019 2:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.3	115.9
141	34.6	26.2	39.4

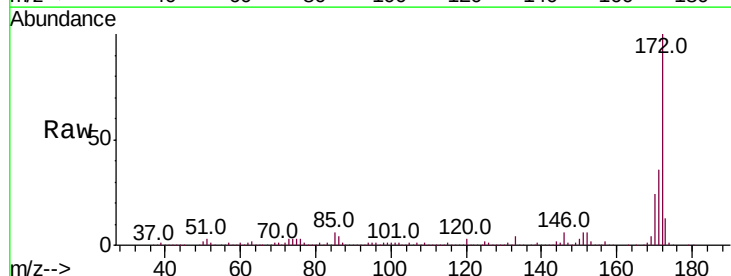


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

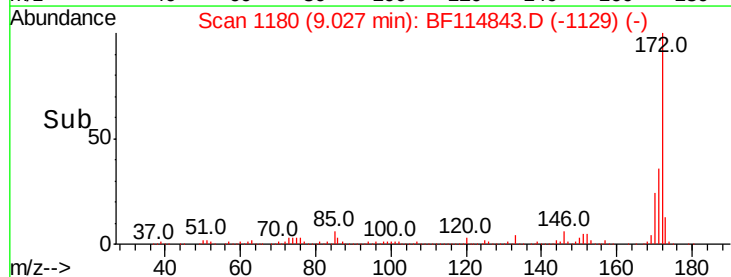
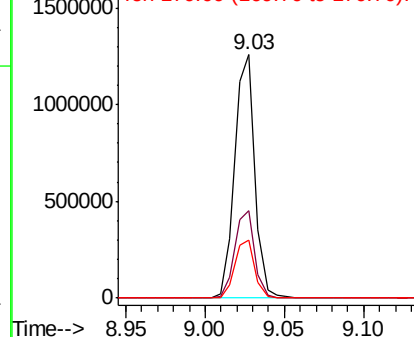


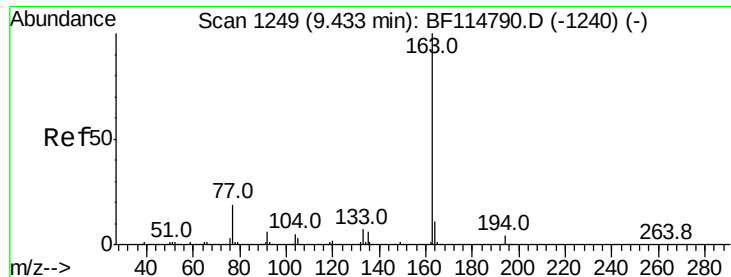
#45
 2-Fluorobiphenyl
 Concen: 32.077 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: BF114843.D
 Acq: 6 Jun 2019 2:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	32.3	48.5
170	24.1	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

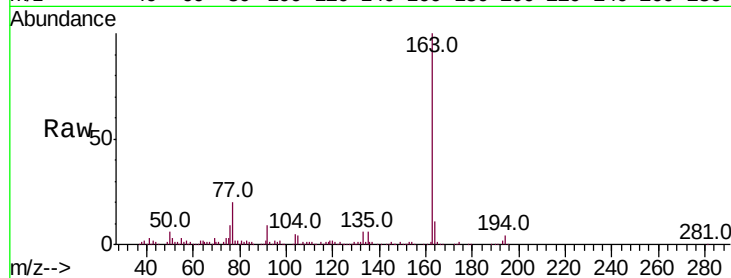




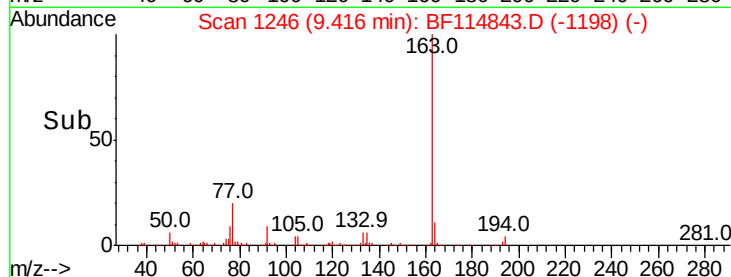
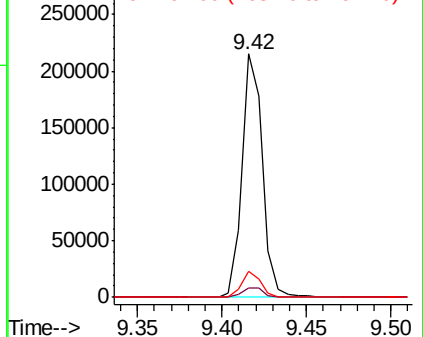
#50
Dimethylphthalate
Concen: 3.781 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF114843.D
Acq: 6 Jun 2019 2:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 179286
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.2
164 10.8 8.6 13.0

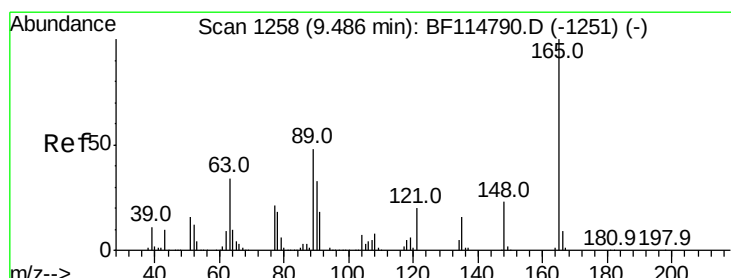


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

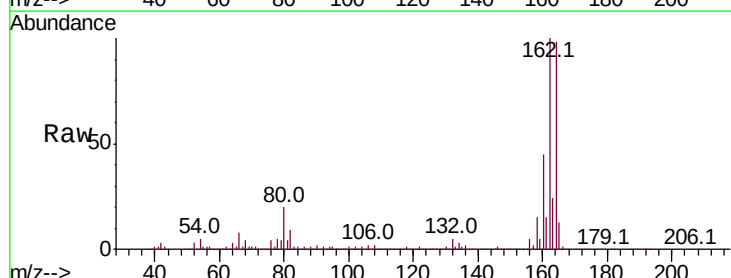
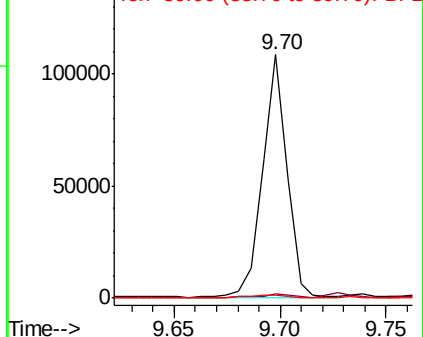


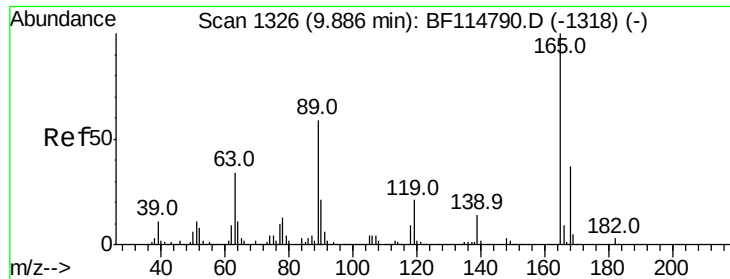
#51
2,6-Dinitrotoluene
Concen: 7.764 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.21 min
Lab File: BF114843.D
Acq: 6 Jun 2019 2:36

Tgt Ion:165 Resp: 86588
Ion Ratio Lower Upper
165 100
63 1.5 35.1 52.7#
89 1.1 38.2 57.2#



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

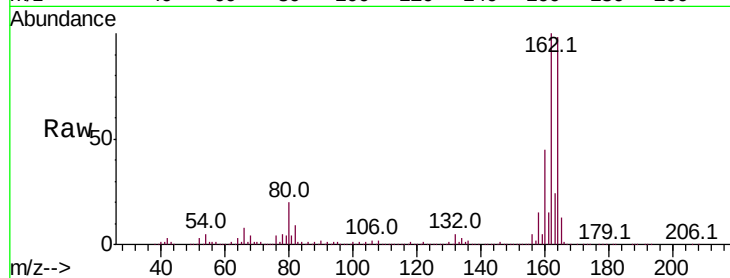




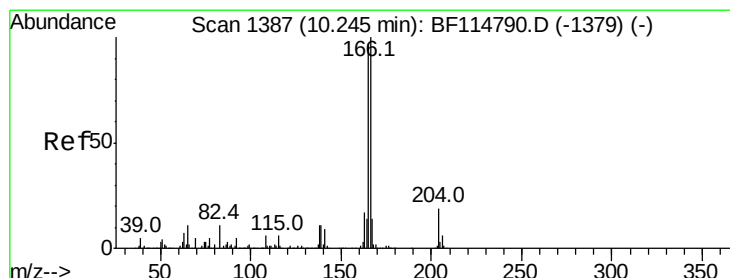
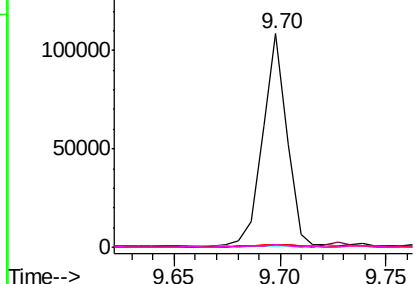
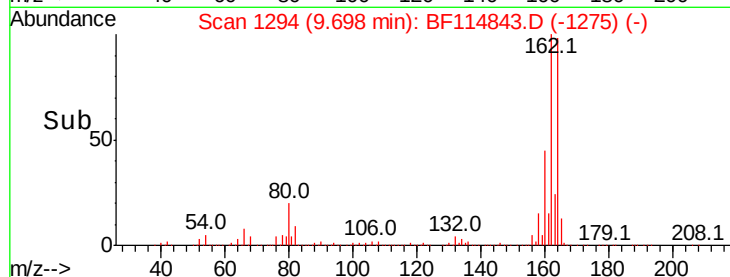
#57
 2,4-Dinitrotoluene
 Concen: 6.176 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.19 min
 Lab File: BF114843.D
 Acq: 6 Jun 2019 2:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	27.0	40.4#
89	1.1	47.0	70.6#
182	1.0	2.2	3.2#

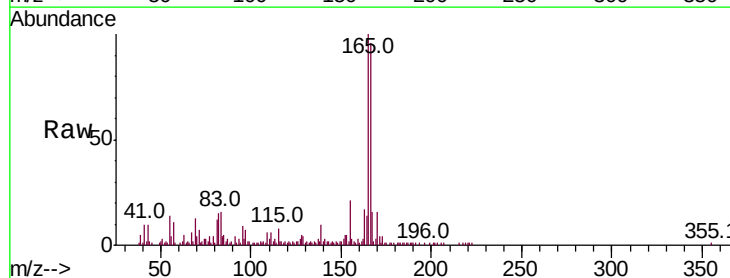


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

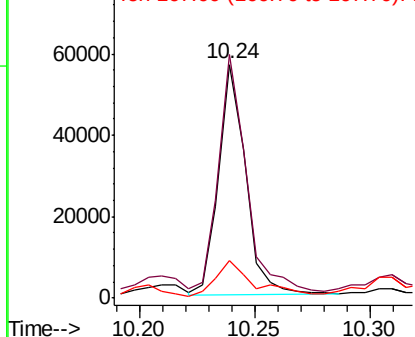
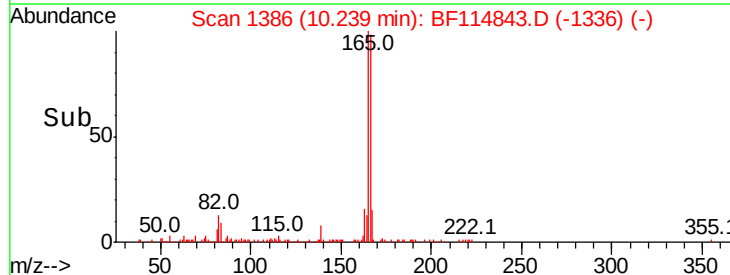


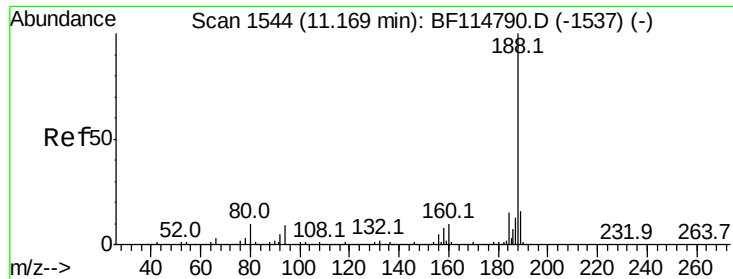
#58
 Fluorene
 Concen: Below Cal
 RT: 10.24 min Scan# 1386
 Delta R.T. -0.01 min
 Lab File: BF114843.D
 Acq: 6 Jun 2019 2:36

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.2	77.9	116.9
167	16.2	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

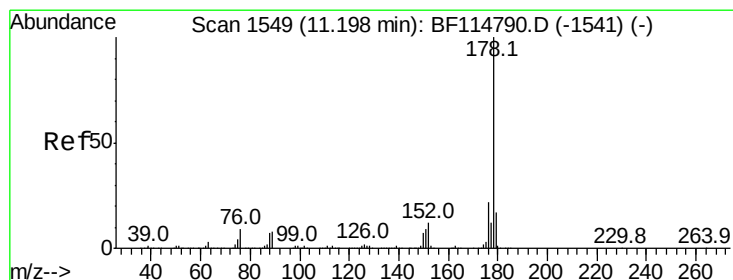
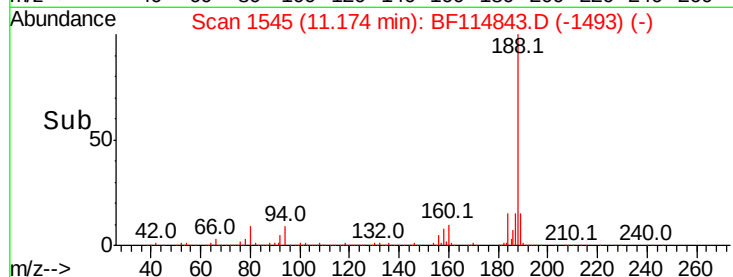
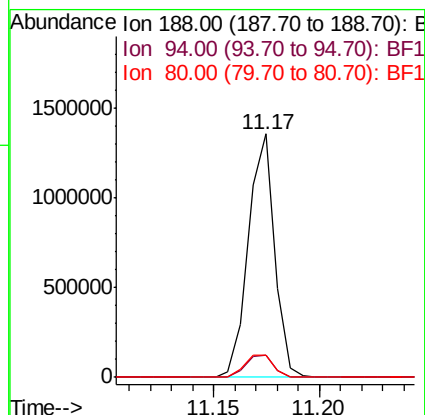
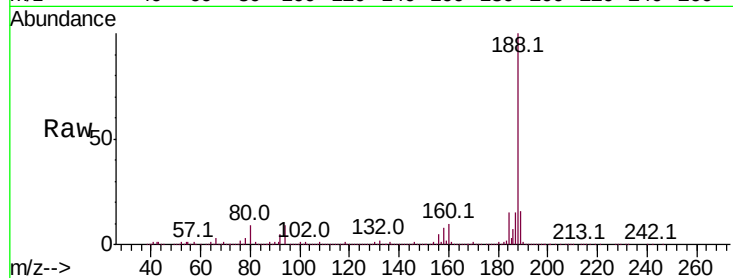




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. 0.01 min
 Lab File: BF114843.D
 Acq: 6 Jun 2019 2:36

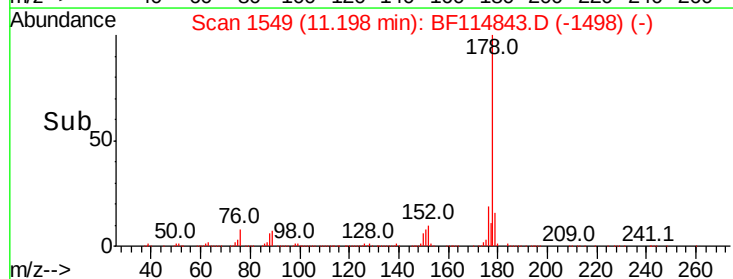
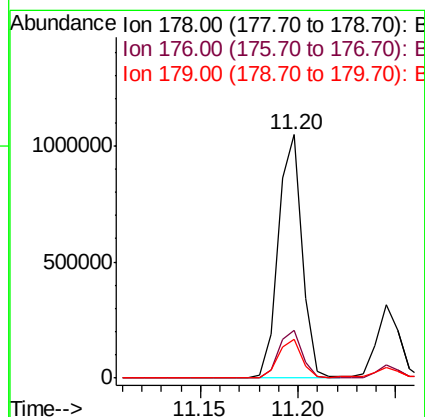
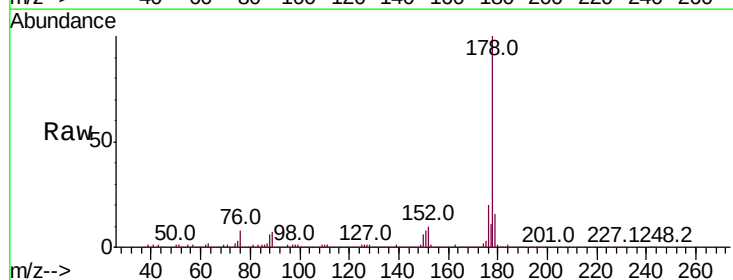
Instrument :
 BNA_F
 ClientSampleId :

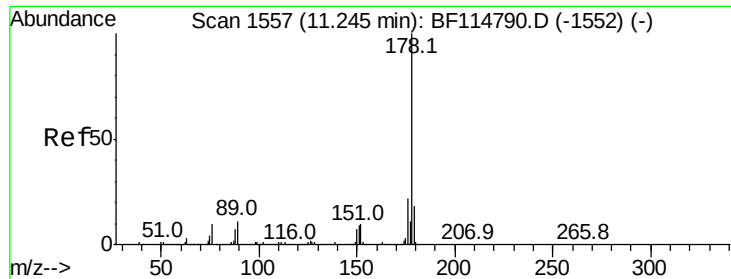
Tot Ion:188 Resp: 1168758
 Ion Ratio Lower Upper
 188 100
 94 9.1 7.6 11.4
 80 9.3 8.3 12.5



#71
 Phenanthrene
 Concen: 15.735 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.00 min
 Lab File: BF114843.D
 Acq: 6 Jun 2019 2:36

Tgt Ion:178 Resp: 877936
 Ion Ratio Lower Upper
 178 100
 176 19.5 17.7 26.5
 179 15.9 13.7 20.5





#72

Anthracene

Concen: 4.216 ng

RT: 11.24 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BF114843.D

Acq: 6 Jun 2019 2:36

Instrument :

BNA_F

ClientSampleId :

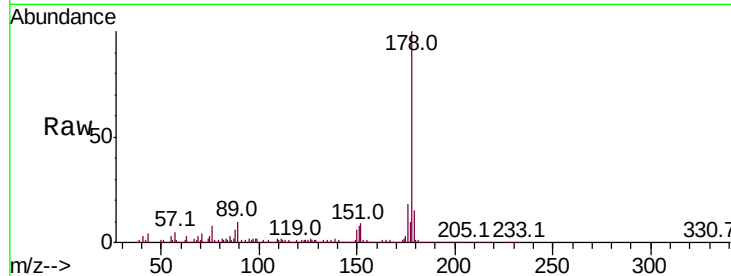
Tot Ion:178 Resp: 247562

Ion Ratio Lower Upper

178 100

176 18.4 17.4 26.0

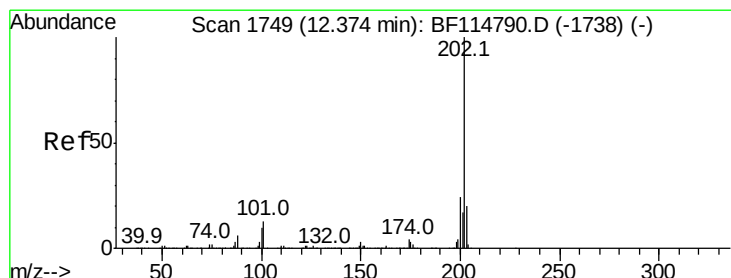
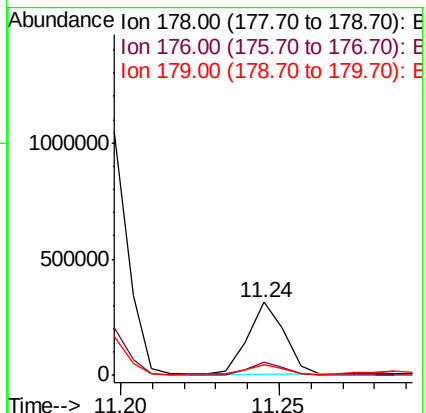
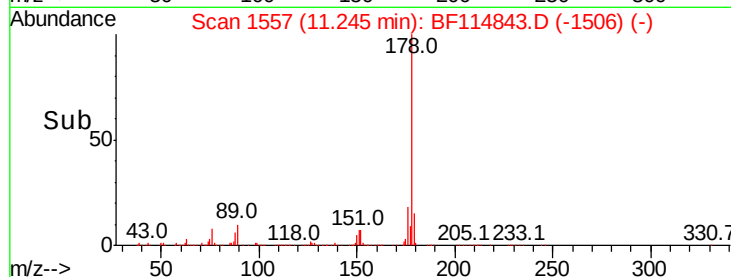
179 15.4 14.2 21.4



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: 27.824 ng

RT: 12.38 min Scan# 1750

Delta R.T. 0.01 min

Lab File: BF114843.D

Acq: 6 Jun 2019 2:36

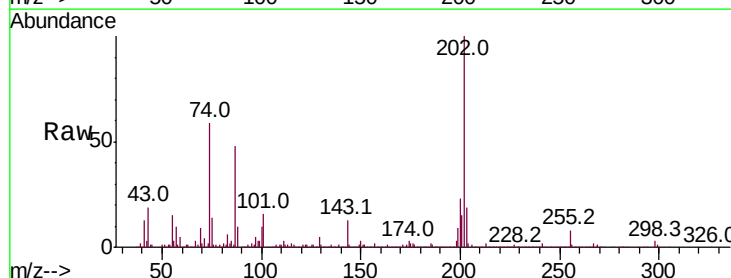
Tgt Ion:202 Resp: 1615792

Ion Ratio Lower Upper

202 100

101 16.3 0.0 32.8

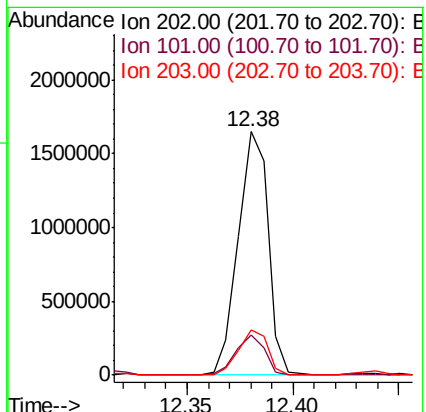
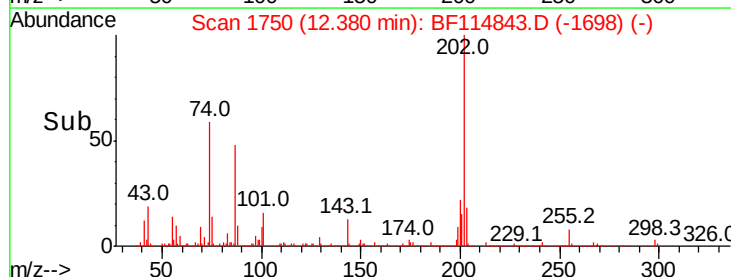
203 18.5 0.2 40.2

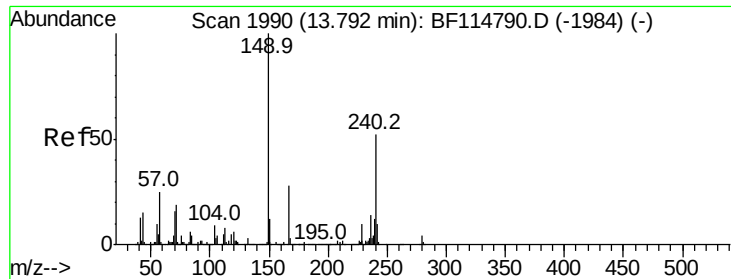


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

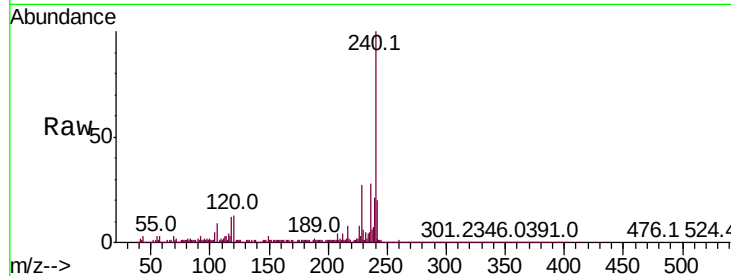




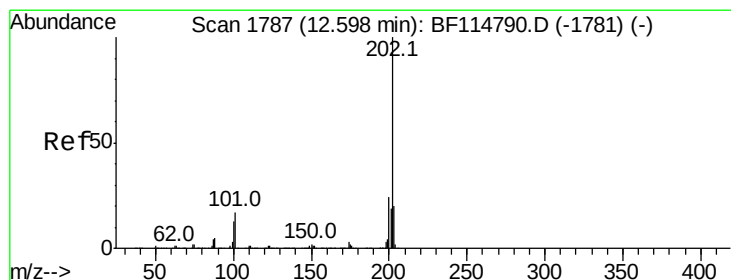
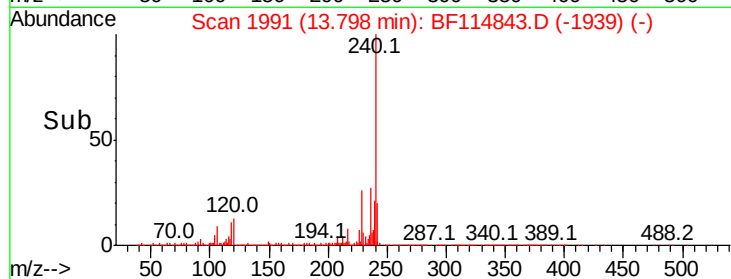
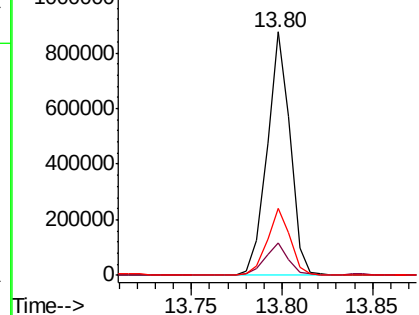
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.80 min Scan# 1991
Delta R.T. 0.01 min
Lab File: BF114843.D
Acq: 6 Jun 2019 2:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:240 Resp: 766179
Ion Ratio Lower Upper
240 100
120 13.4 9.0 13.4
236 27.6 21.4 32.0

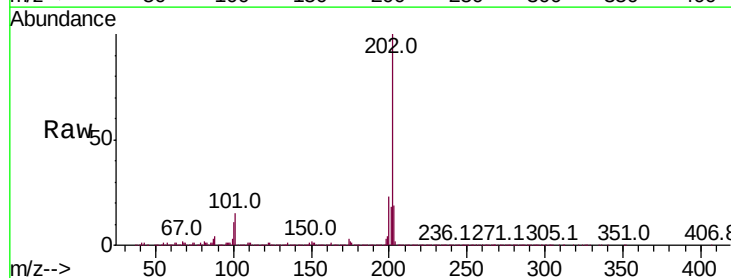


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

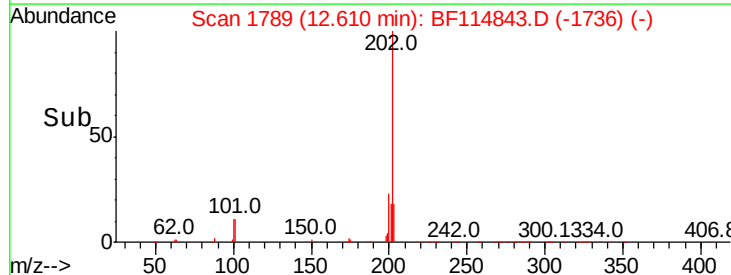
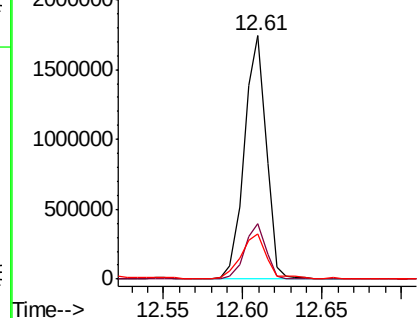


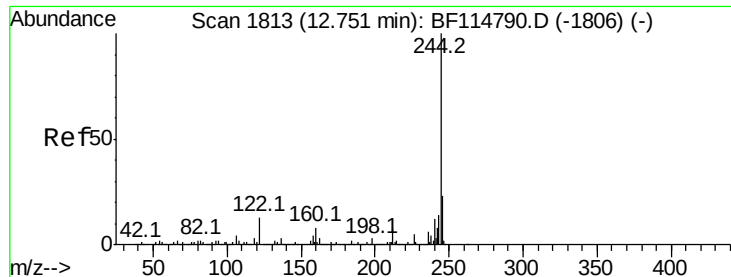
#78
Pyrene
Concen: 24.861 ng
RT: 12.61 min Scan# 1789
Delta R.T. 0.01 min
Lab File: BF114843.D
Acq: 6 Jun 2019 2:36

Tgt Ion:202 Resp: 1652441
Ion Ratio Lower Upper
202 100
200 22.8 19.2 28.8
203 18.7 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

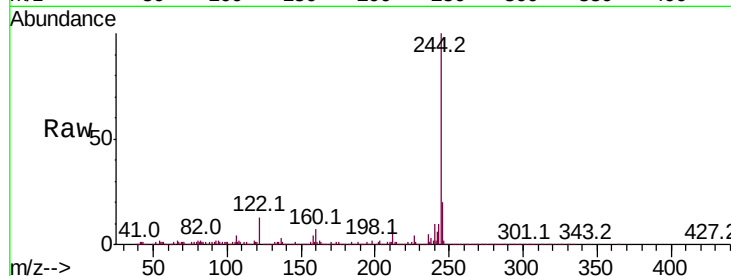




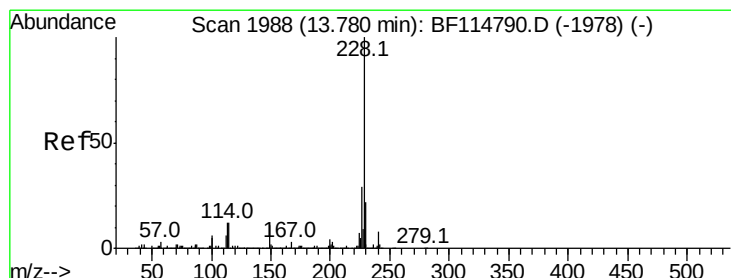
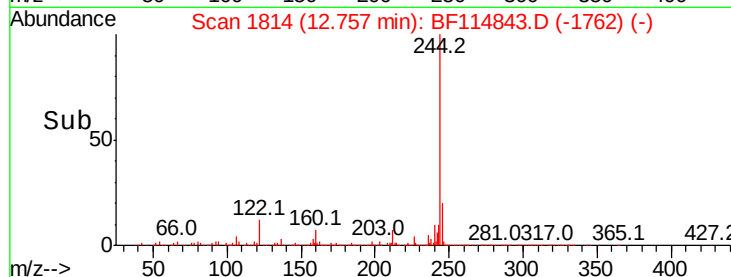
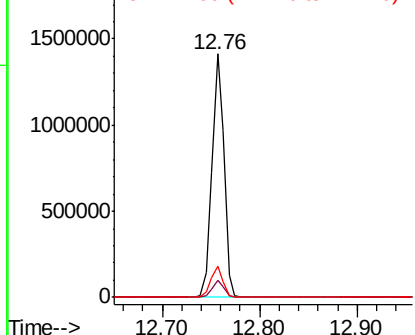
#79
 Terphenyl-d14
 Concen: 30.582 ng
 RT: 12.76 min Scan# 1814
 Delta R.T. 0.01 min
 Lab File: BF114843.D
 Acq: 6 Jun 2019 2:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1204851
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 12.5 10.5 15.7

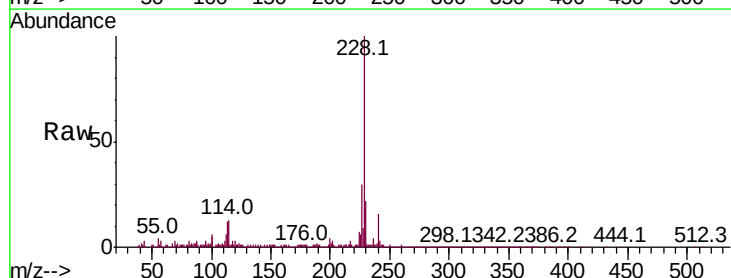


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

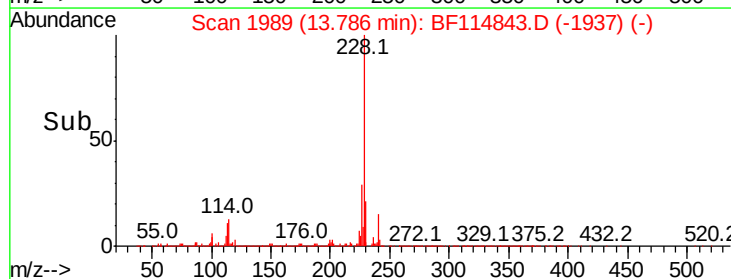
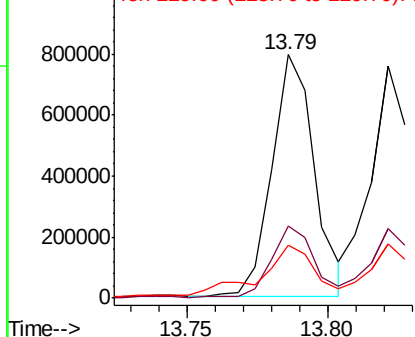


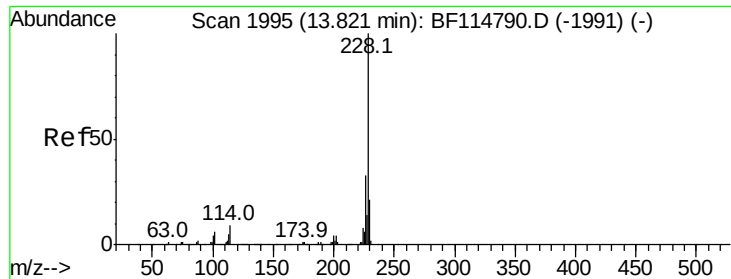
#81
 Benzo(a)anthracene
 Concen: 14.001 ng
 RT: 13.79 min Scan# 1989
 Delta R.T. 0.01 min
 Lab File: BF114843.D
 Acq: 6 Jun 2019 2:36

Tgt Ion:228 Resp: 826672
 Ion Ratio Lower Upper
 228 100
 226 29.8 23.4 35.2
 229 21.6 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

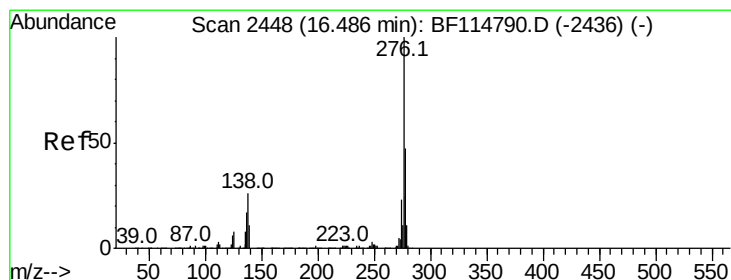
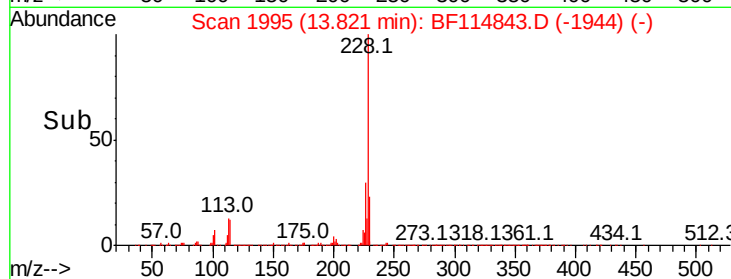
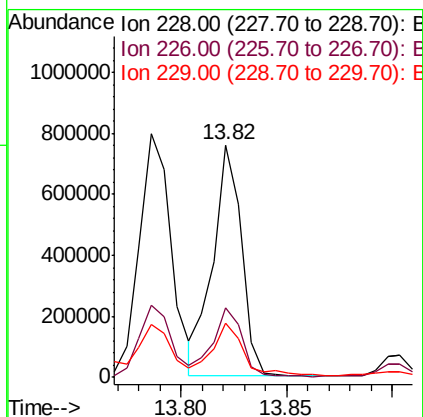
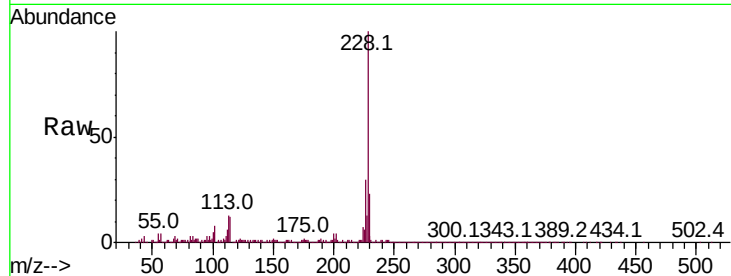




#83
Chrysene
Concen: 12.475 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.00 min
Lab File: BF114843.D
Acq: 6 Jun 2019 2:36

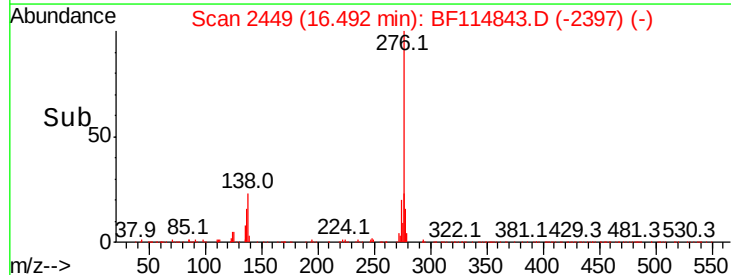
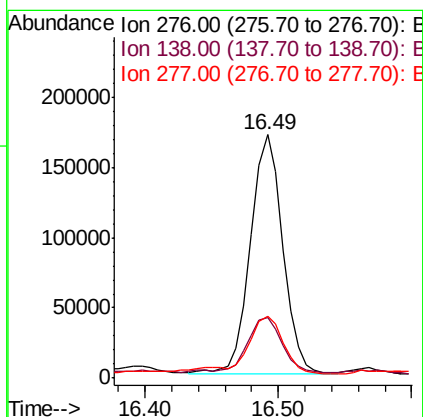
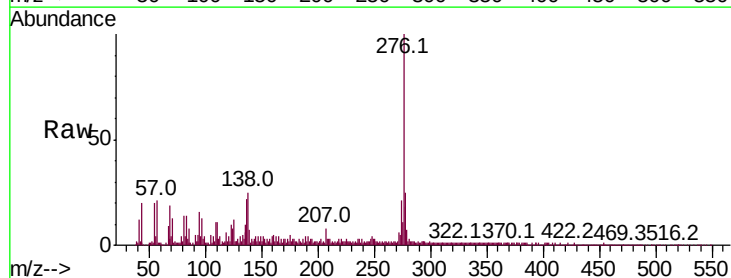
Instrument :
BNA_F
ClientSampled :

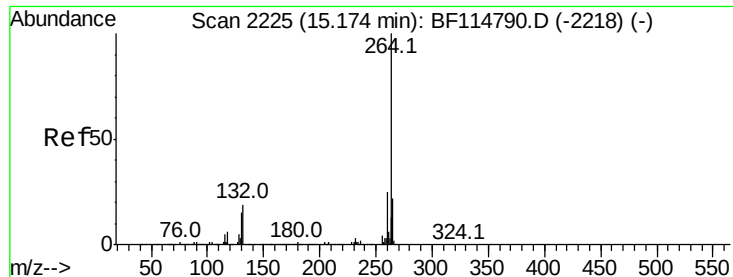
Tot Ion:228 Resp: 716484
Ion Ratio Lower Upper
228 100
226 29.8 26.0 39.0
229 23.0 17.1 25.7



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.380 ng
RT: 16.49 min Scan# 2449
Delta R.T. 0.01 min
Lab File: BF114843.D
Acq: 6 Jun 2019 2:36

Tgt Ion:276 Resp: 287014
Ion Ratio Lower Upper
276 100
138 24.6 22.2 33.4
277 27.0 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: BF114843.D

Acq: 6 Jun 2019 2:36

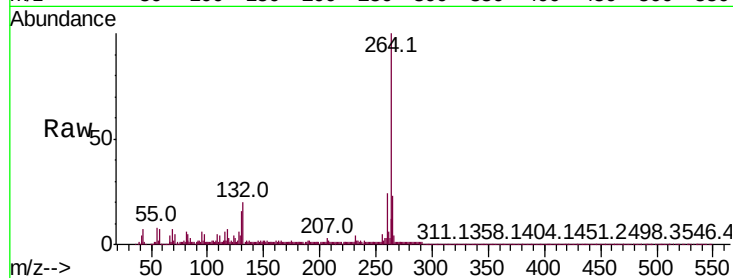
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 633310

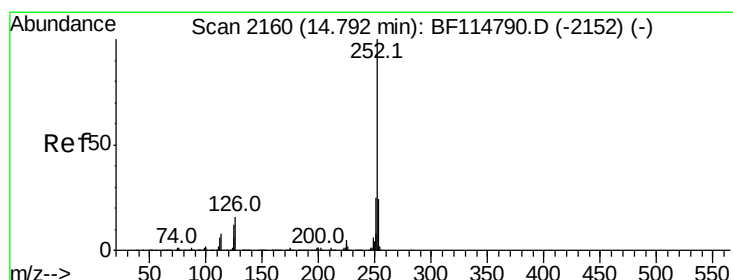
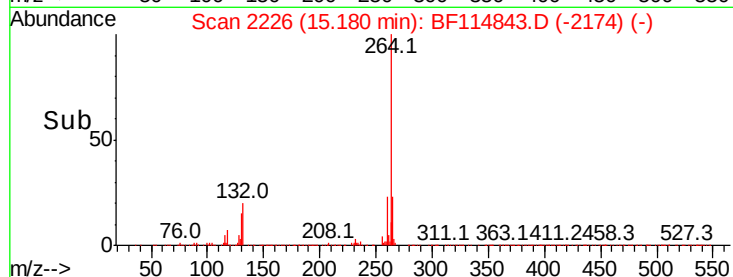
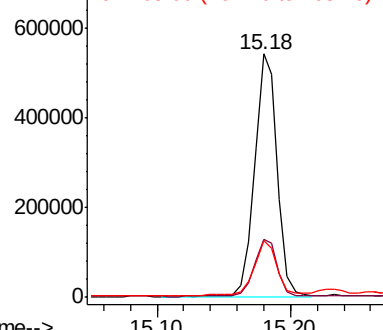
Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.1	30.1
265	23.4	17.7	26.5



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: 23.797 ng

RT: 14.80 min Scan# 2161

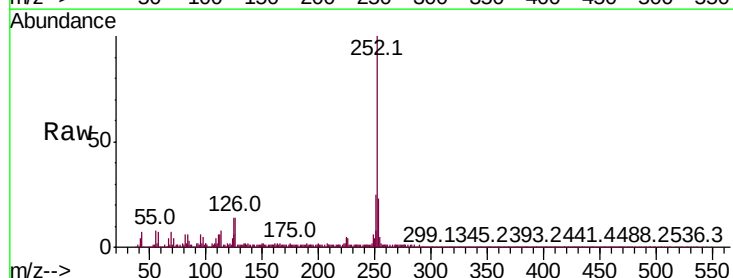
Delta R.T. 0.01 min

Lab File: BF114843.D

Acq: 6 Jun 2019 2:36

Tgt Ion:252 Resp: 959432

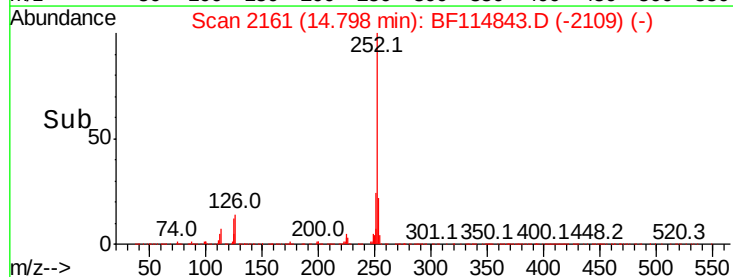
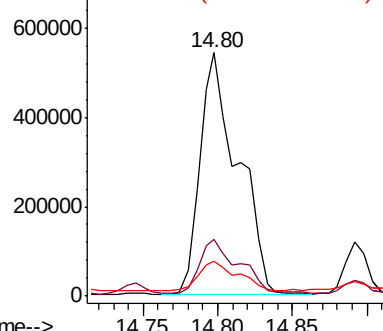
Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.0	28.6
125	14.2	9.4	14.0

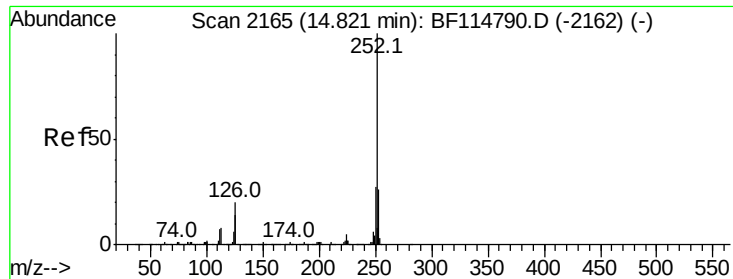


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

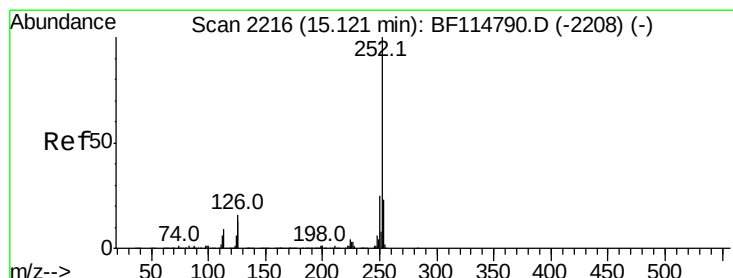
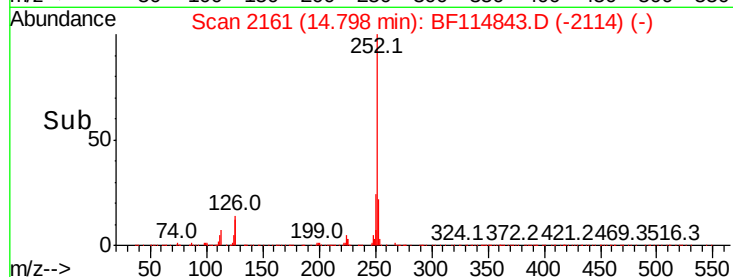
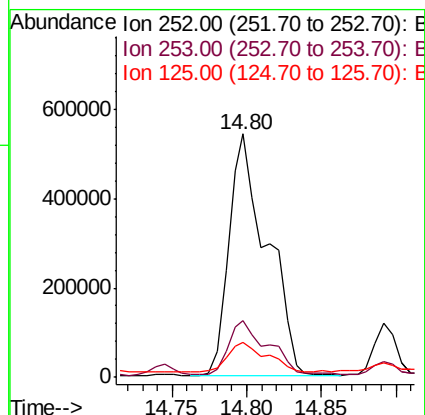
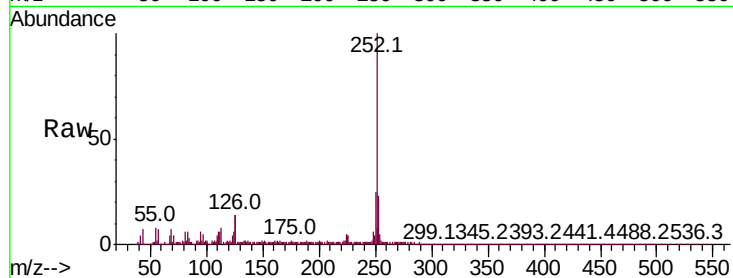




#89
Benzo(k)fluoranthene
Concen: 28.022 ng
RT: 14.80 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BF114843.D
Acq: 6 Jun 2019 2:36

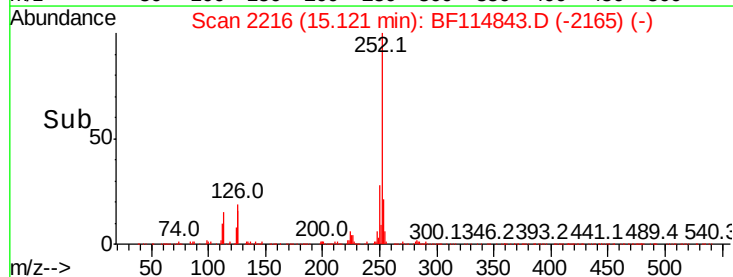
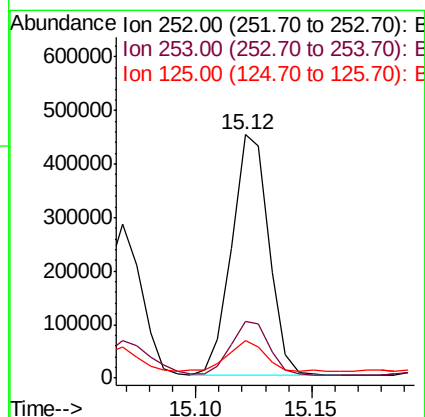
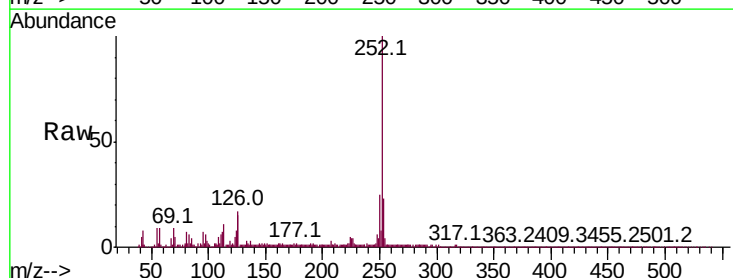
Instrument :
BNA_F
ClientSampleId :

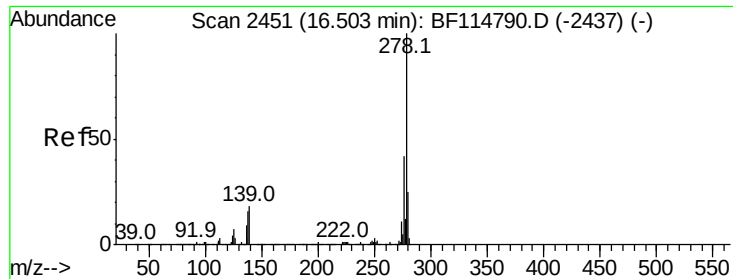
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.3	28.9
125	14.2	10.1	15.1



#90
Benzo(a)pyrene
Concen: 14.542 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF114843.D
Acq: 6 Jun 2019 2:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	15.3	10.1	15.1#

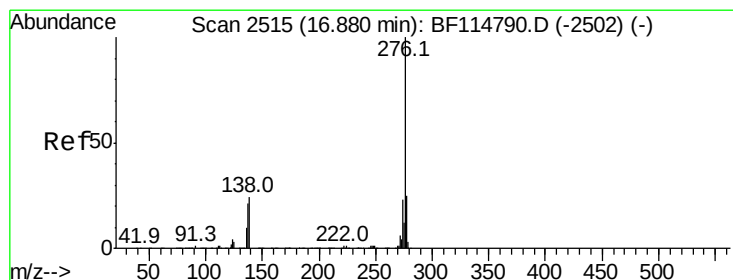
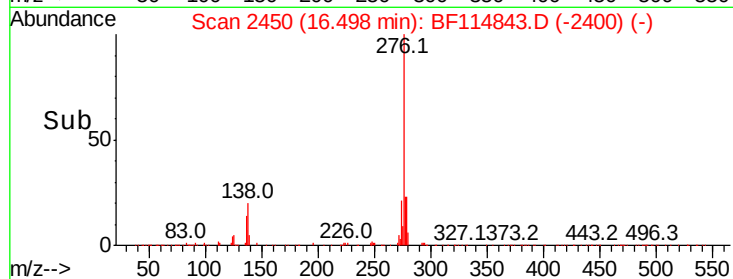
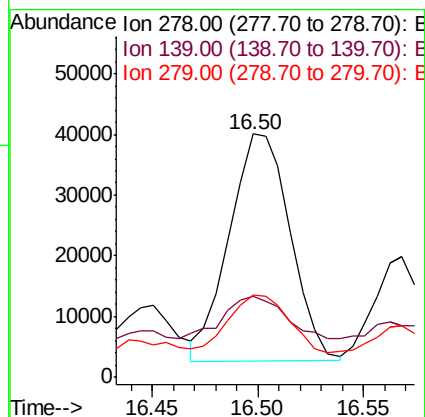
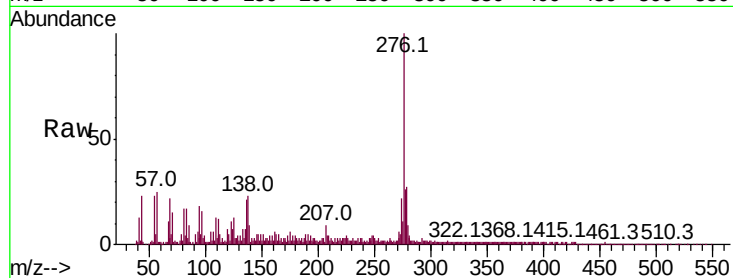




#91
Dibenzo(a,h)anthracene
Concen: 2.261 ng
RT: 16.50 min Scan# 2450
Delta R.T. -0.01 min
Lab File: BF114843.D
Acq: 6 Jun 2019 2:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 74706
Ion Ratio Lower Upper
278 100
139 33.5 14.6 22.0#
279 33.7 20.1 30.1#



#92
Benzo(g,h,i)perylene
Concen: 7.916 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.01 min
Lab File: BF114843.D
Acq: 6 Jun 2019 2:36

Tgt Ion:276 Resp: 263073
Ion Ratio Lower Upper
276 100
277 25.0 19.8 29.6
138 25.1 19.4 29.2

