

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041519\
 Data File : BF113773.D
 Acq On : 15 Apr 2019 20:05
 Operator : JU/SJ
 Sample : K2386-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 15 23:09:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	123260	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	463460	20.00	ng	-0.02
39) Acenaphthene-d10	9.70	164	220512	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	442583	20.00	ng	-0.02
76) Chrysene-d12	13.82	240	280600	20.00	ng	-0.02
87) Perylene-d12	15.23	264	340216	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	744272	102.97	ng	-0.01
7) Phenol-d6	6.33	99	978896	109.88	ng	-0.01
23) Nitrobenzene-d5	7.24	82	559420	70.70	ng	-0.02
42) 2,4,6-Tribromophenol	10.50	330	255073	96.29	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	1029720	75.18	ng	-0.02
79) Terphenyl-d14	12.76	244	989596	71.80	ng	-0.03

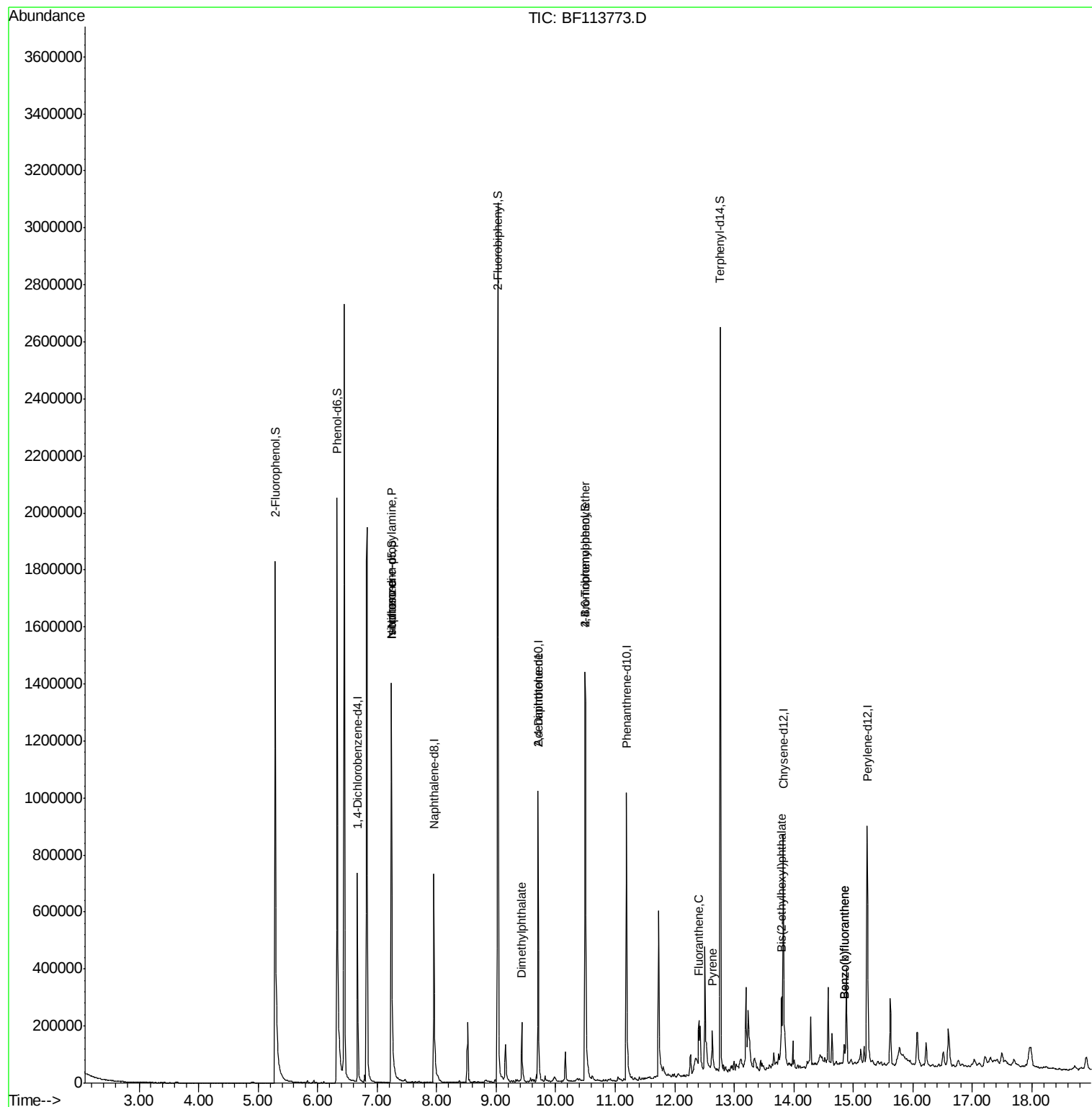
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.24	70	72055	13.116	ng	# 76
25) Isophorone	7.24	82	559416	36.703	ng	# 64
50) Dimethylphthalate	9.43	163	106205	6.534	ng	# 99
57) 2,4-Dinitrotoluene	9.70	165	27925	6.444	ng	# 23
67) 4-Bromophenyl-phenylether	10.49	248	13664	2.753	ng	# 1
75) Fluoranthene	12.40	202	73119	3.103	ng	# 99
78) Pyrene	12.63	202	64100	3.002	ng	# 98
84) Bis(2-ethylhexyl)phthalate	13.80	149	55852	5.315	ng	# 97
88) Benzo(b)fluoranthene	14.84	252	53929	2.590	ng	# 98
89) Benzo(k)fluoranthene	14.84	252	53929	2.885	ng	# 98

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

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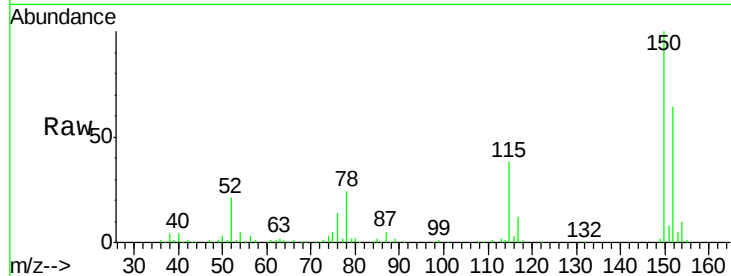


#1

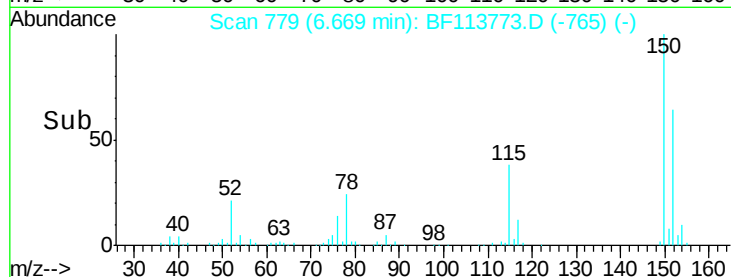
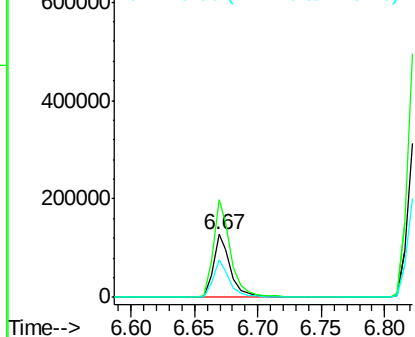
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.02 min
Lab File: BF113773.D
Acq: 15 Apr 2019 20:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.7	187.1
115	59.3	46.0	69.0



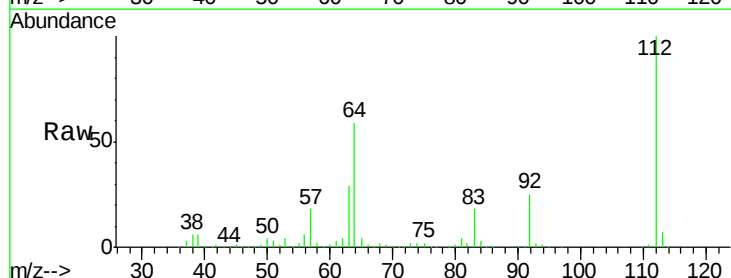
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



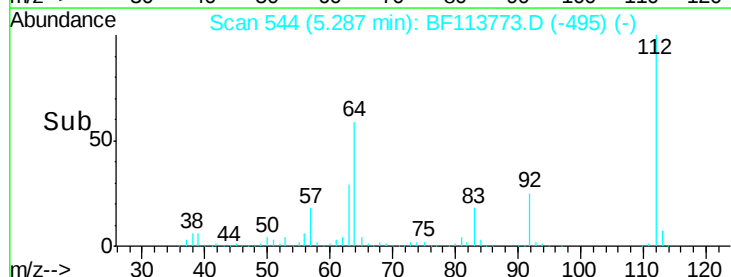
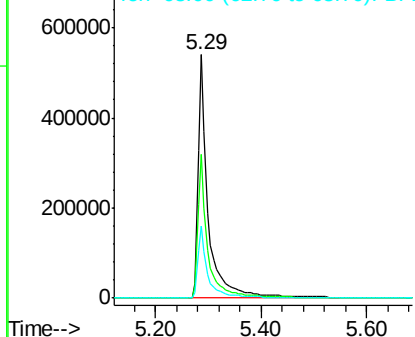
#5

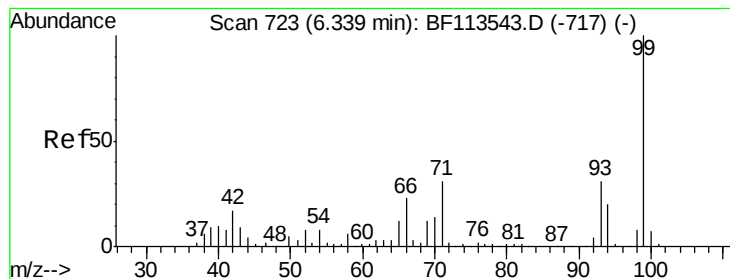
2-Fluorophenol
Concen: 102.966 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF113773.D
Acq: 15 Apr 2019 20:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	49.2	73.8
63	29.4	24.9	37.3



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: 109.877 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113773.D

Acq: 15 Apr 2019 20:05

Instrument :

BNA_F

ClientSampled :

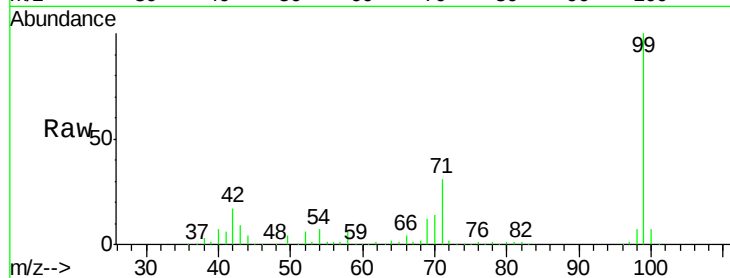
Tot Ion: 99 Resp: 978896

Ion Ratio Lower Upper

99 100

42 17.2 14.8 22.2

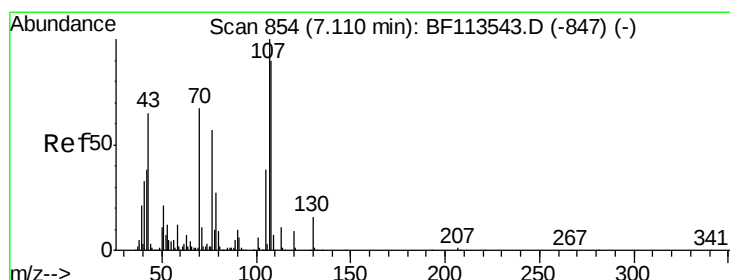
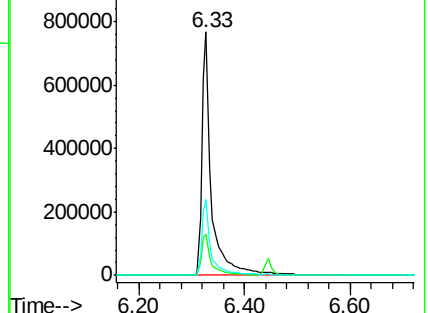
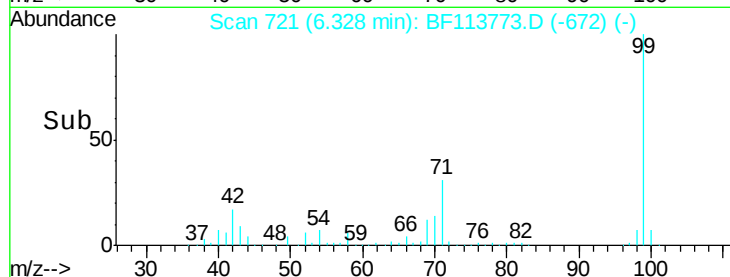
71 30.9 24.9 37.3



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: 13.116 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.13 min

Lab File: BF113773.D

Acq: 15 Apr 2019 20:05

Tgt Ion: 70 Resp: 72055

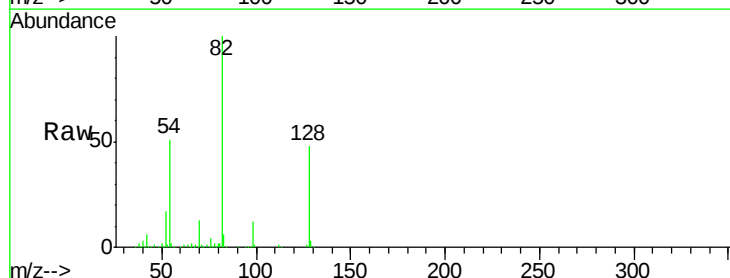
Ion Ratio Lower Upper

70 100

42 47.7 48.4 72.6#

101 0.0 7.8 11.8#

130 2.4 18.2 27.4#

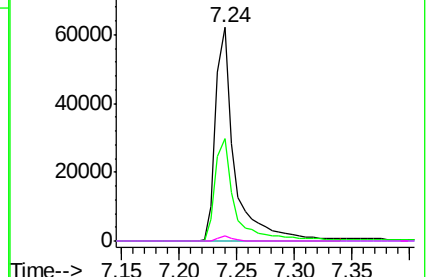
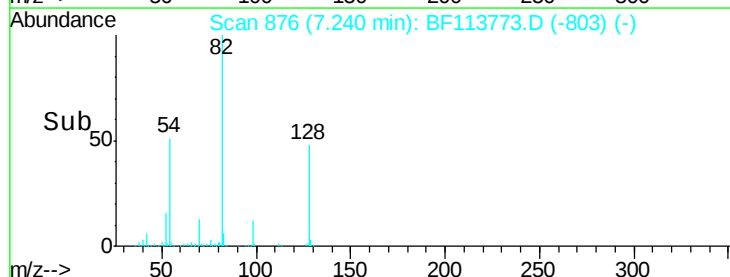


Abundance Ion 70.00 (69.70 to 70.70): BF1

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. -0.02 min

Lab File: BF113773.D

Acq: 15 Apr 2019 20:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 463460

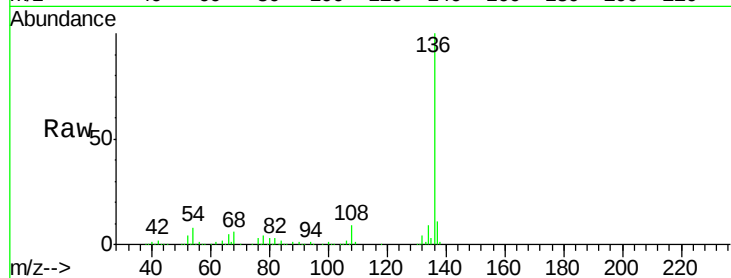
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.5 7.0 10.6

68 6.1 4.8 7.2

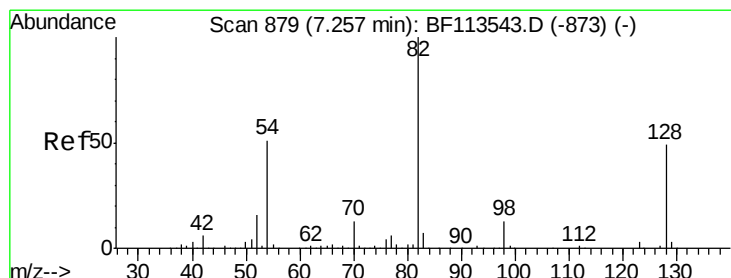
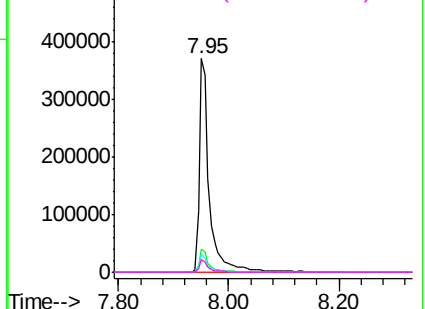
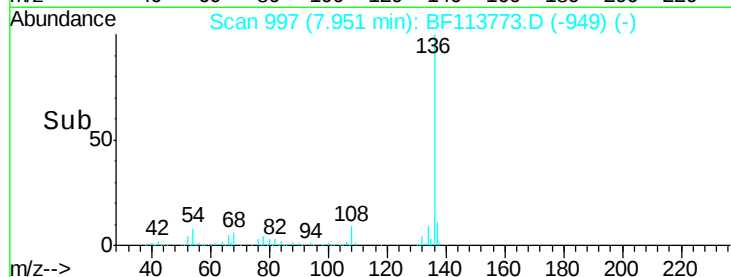


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.703 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.02 min

Lab File: BF113773.D

Acq: 15 Apr 2019 20:05

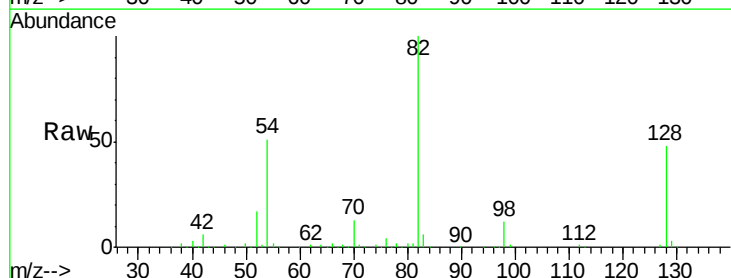
Tgt Ion: 82 Resp: 559420

Ion Ratio Lower Upper

82 100

128 48.3 36.5 54.7

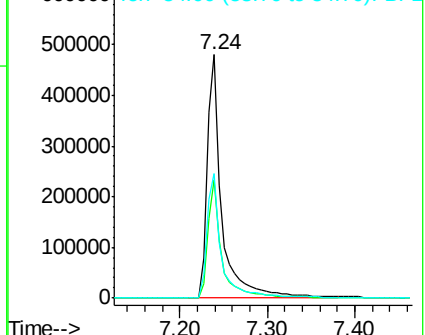
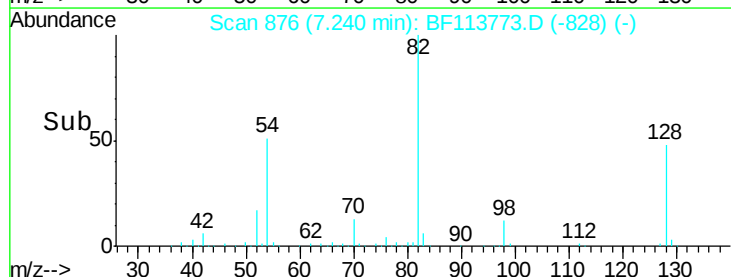
54 51.0 42.2 63.2

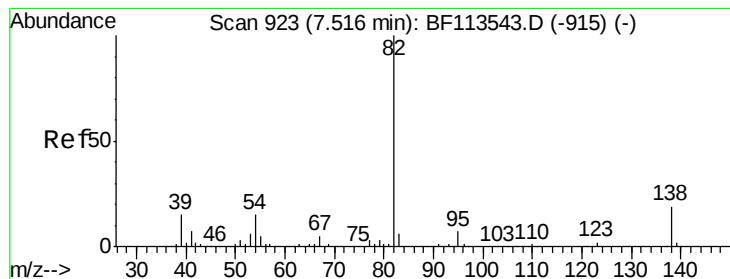


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.703 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.28 min

Lab File: BF113773.D

Acq: 15 Apr 2019 20:05

Instrument :

BNA_F

ClientSampleId :

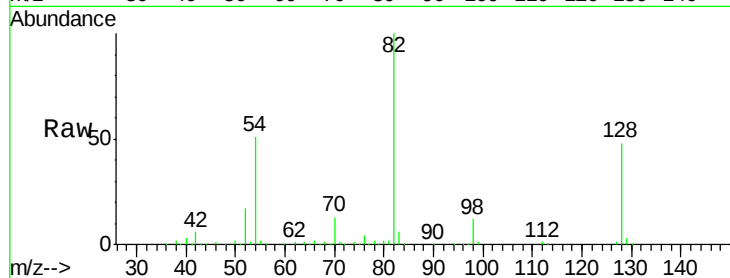
Tot Ion: 82 Resp: 559416

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

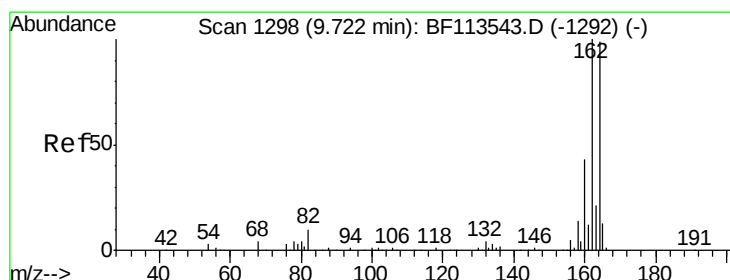
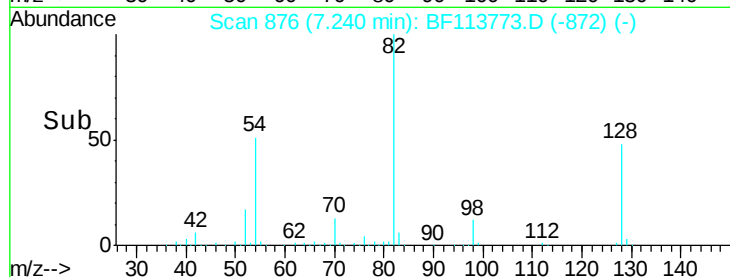
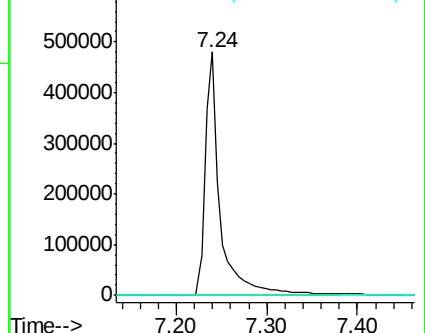
138 0.0 15.2 22.8#



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# 1295

Delta R.T. -0.02 min

Lab File: BF113773.D

Acq: 15 Apr 2019 20:05

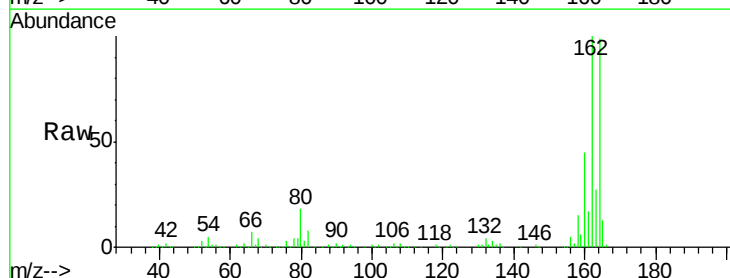
Tgt Ion: 164 Resp: 220512

Ion Ratio Lower Upper

164 100

162 100.5 81.8 122.6

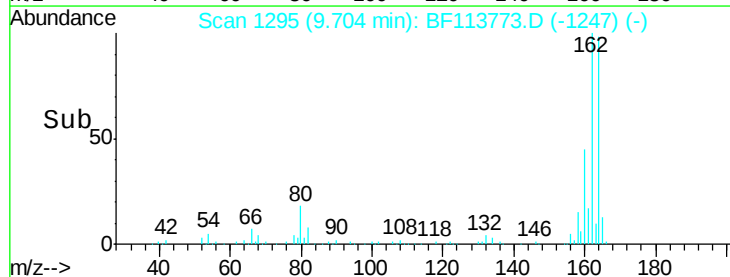
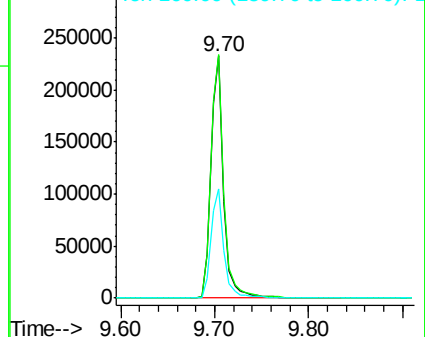
160 45.3 36.4 54.6



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

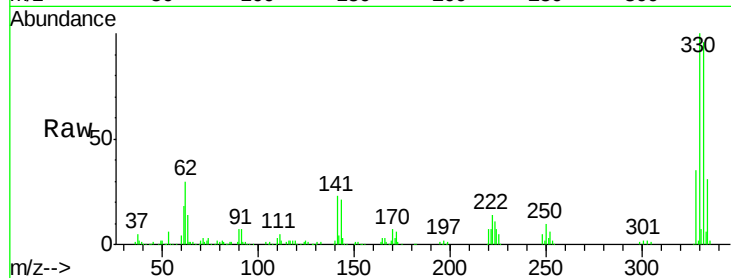




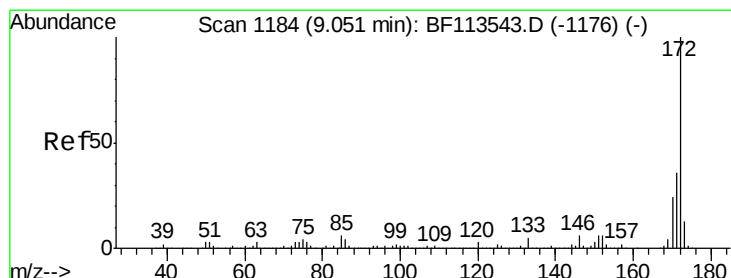
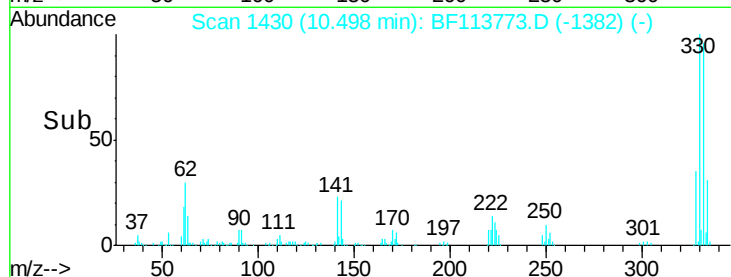
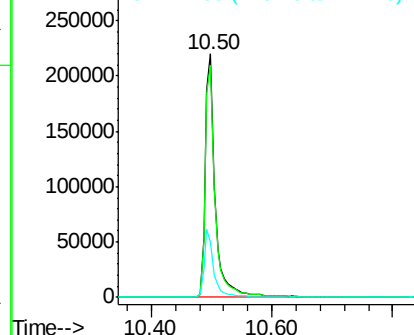
#42
 2,4,6-Tribromophenol
 Concen: 96.294 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113773.D
 Acq: 15 Apr 2019 20:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.8	116.6
141	27.5	22.7	34.1

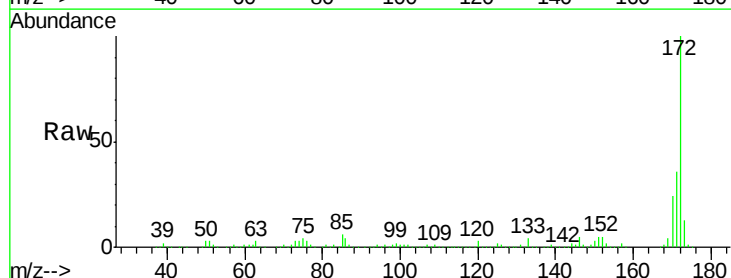


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

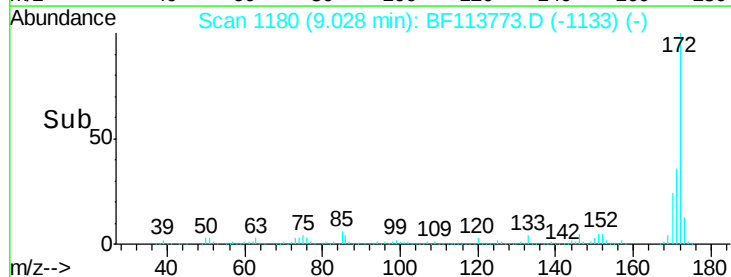
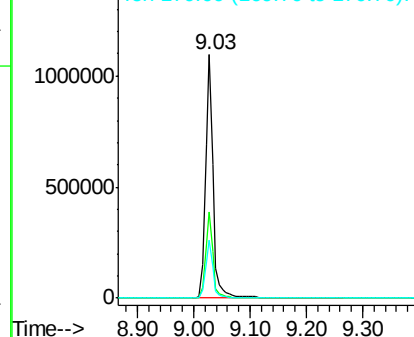


#45
 2-Fluorobiphenyl
 Concen: 75.177 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.02 min
 Lab File: BF113773.D
 Acq: 15 Apr 2019 20:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.6
170	23.9	19.5	29.3



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

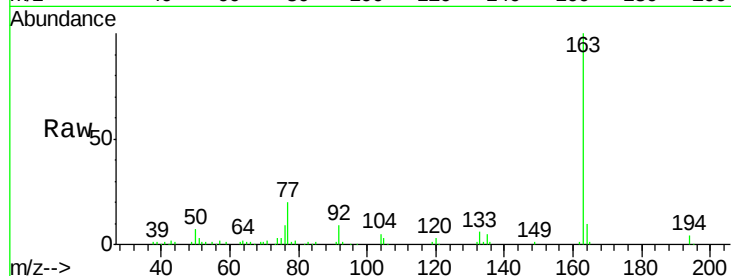




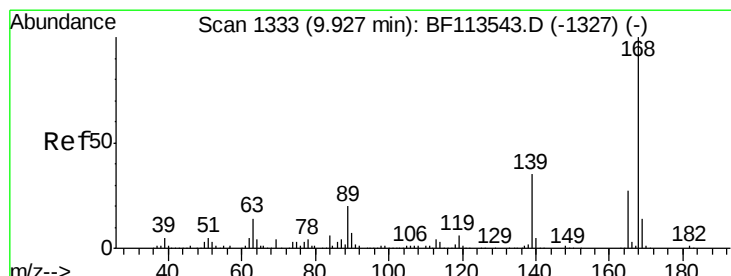
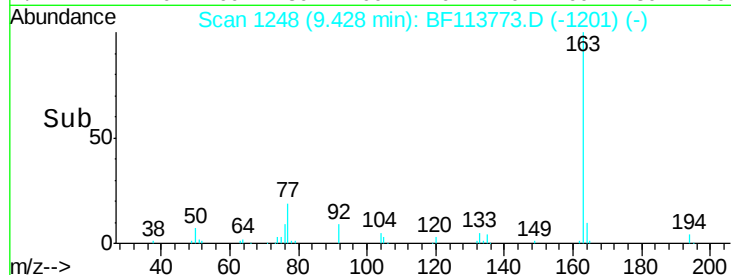
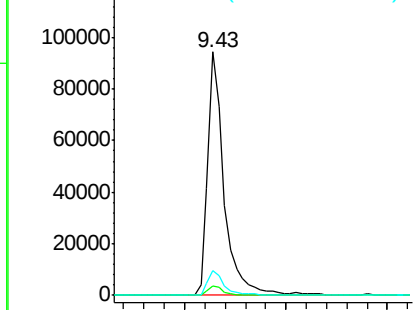
#50
 Dimethylphthalate
 Concen: 6.534 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.02 min
 Lab File: BF113773.D
 Acq: 15 Apr 2019 20:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	163	Resp:	106205
Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	10.3	8.1	12.1

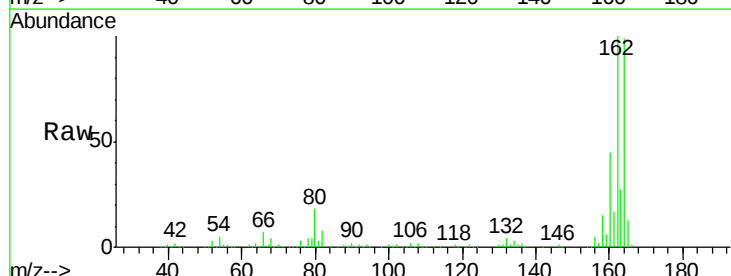


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

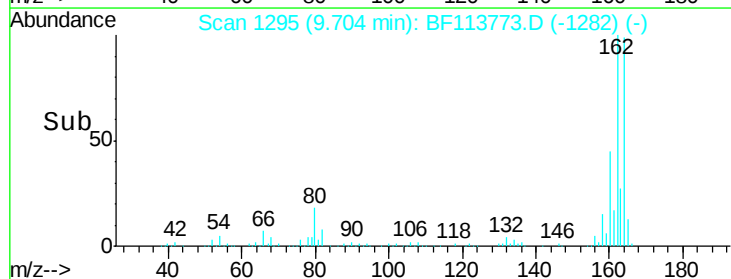
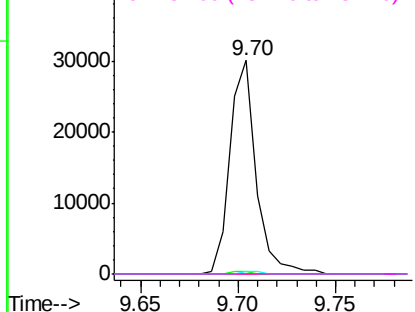


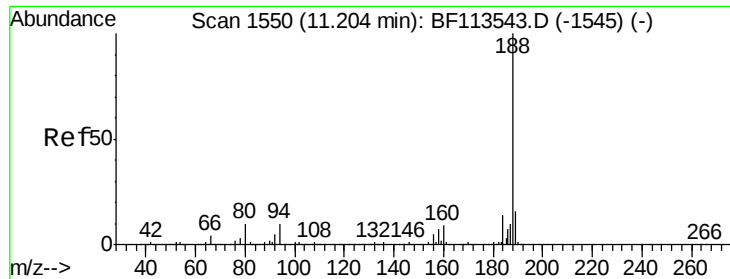
#57
 2,4-Dinitrotoluene
 Concen: 6.444 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.22 min
 Lab File: BF113773.D
 Acq: 15 Apr 2019 20:05

Tgt Ion:	165	Resp:	27925
Ion	Ratio	Lower	Upper
165	100		
63	1.2	37.5	56.3#
89	1.4	57.4	86.2#
182	0.0	2.0	3.0#



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

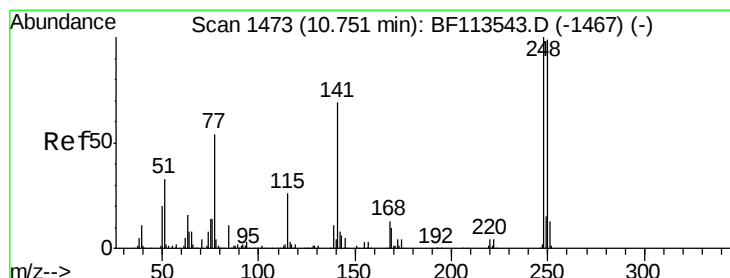
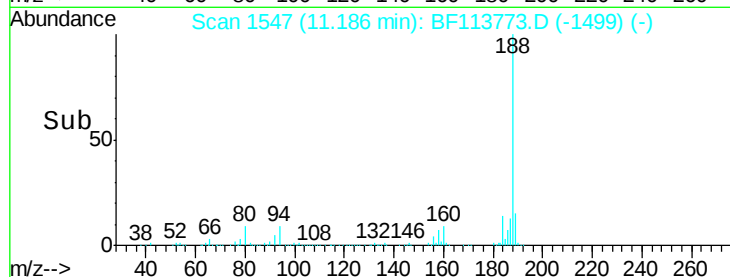
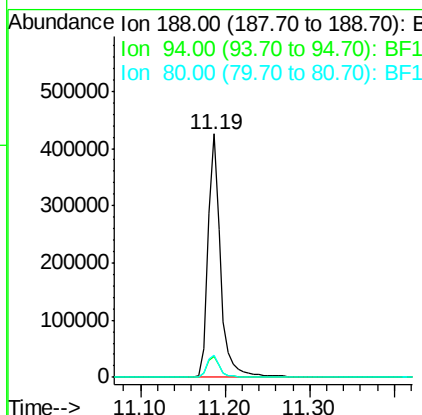
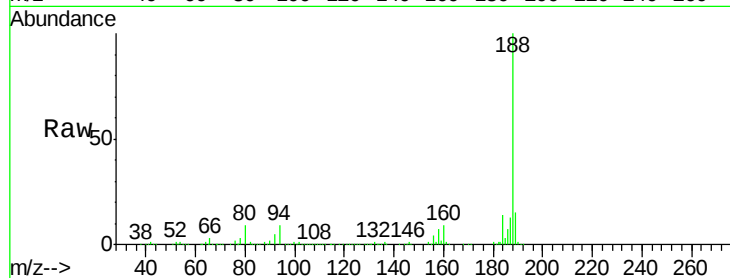




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF113773.D
Acq: 15 Apr 2019 20:05

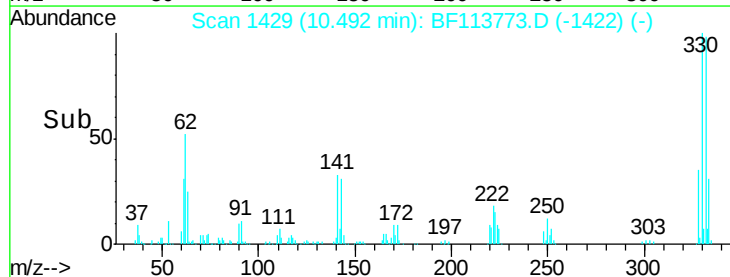
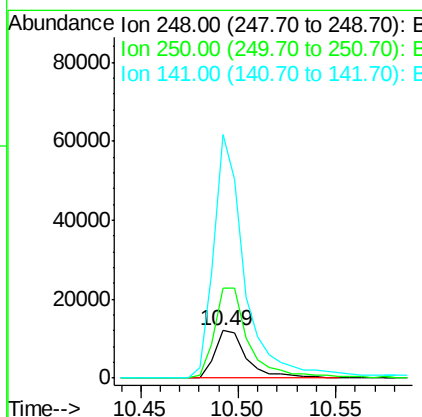
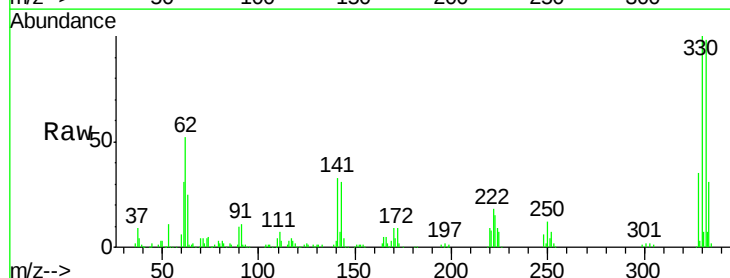
Instrument :
BNA_F
ClientSampleId :

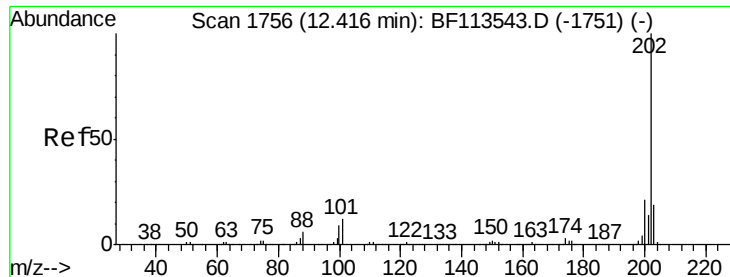
Tot Ion:188 Resp: 442583
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.6
80 9.1 7.7 11.5



#67
4-Bromophenyl-phenylether
Concen: 2.753 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.26 min
Lab File: BF113773.D
Acq: 15 Apr 2019 20:05

Tgt Ion:248 Resp: 13664
Ion Ratio Lower Upper
248 100
250 190.4 78.3 117.5#
141 512.1 56.2 84.4#





#75

Fluoranthene

Concen: 3.103 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113773.D

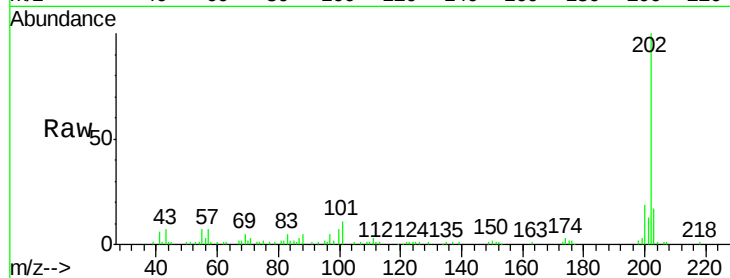
Acq: 15 Apr 2019 20:05

Instrument :

BNA_F

ClientSampled :

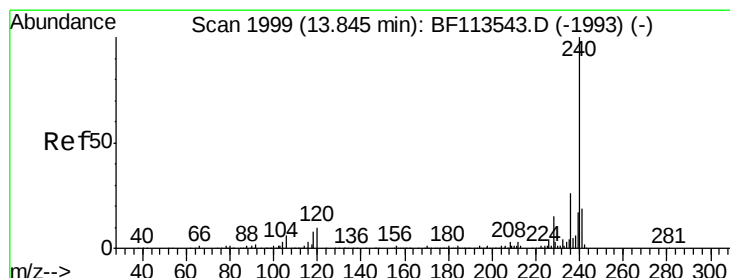
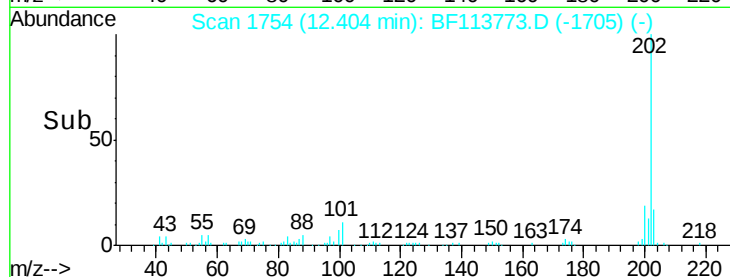
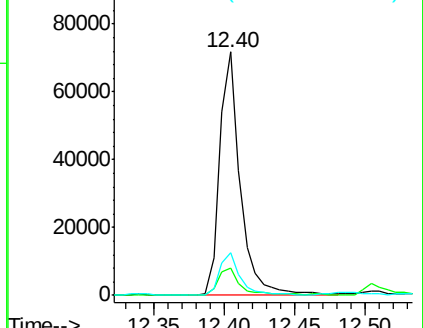
Tot Ion:	202	Resp:	73119
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.4
203	17.4	0.0	38.0



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

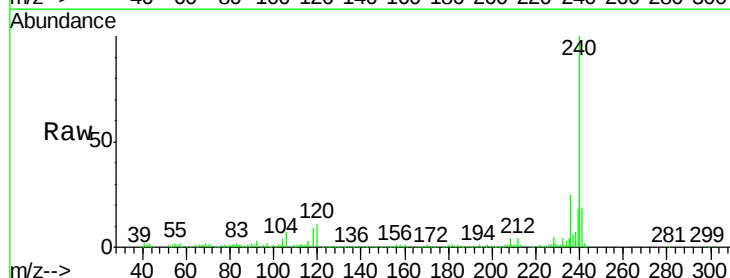
RT: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF113773.D

Acq: 15 Apr 2019 20:05

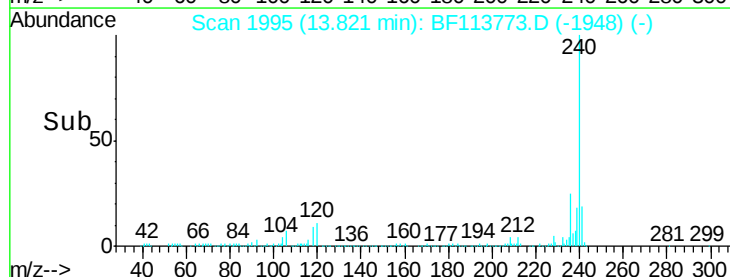
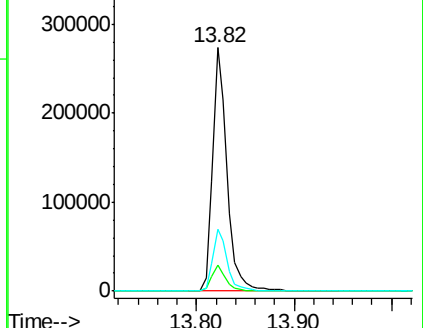
Tgt Ion:	240	Resp:	280600
Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.8	13.2
236	25.4	20.9	31.3

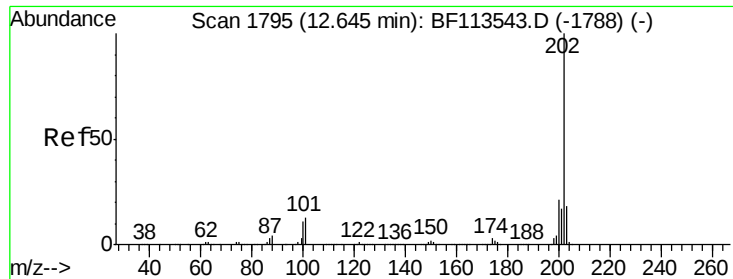


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

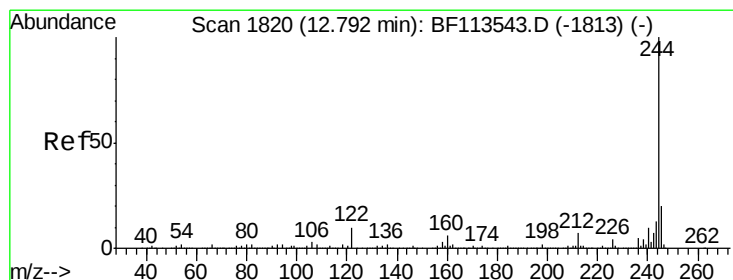
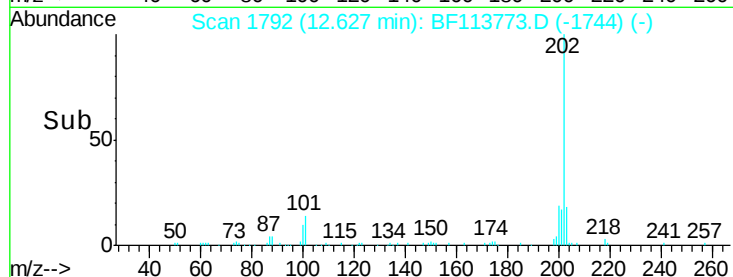
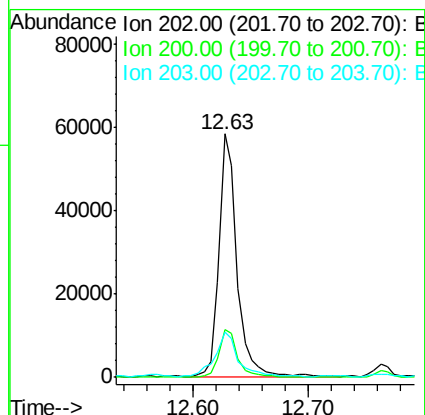
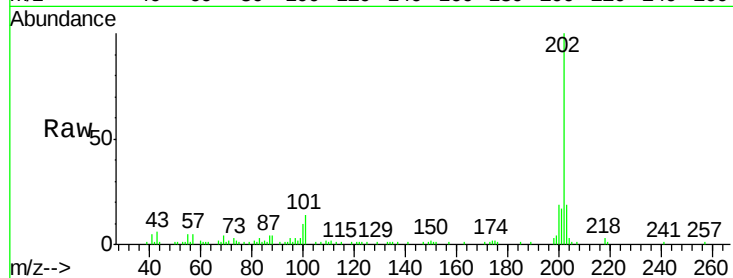




#78
Pvrene
Concen: 3.002 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.02 min
Lab File: BF113773.D
Acq: 15 Apr 2019 20:05

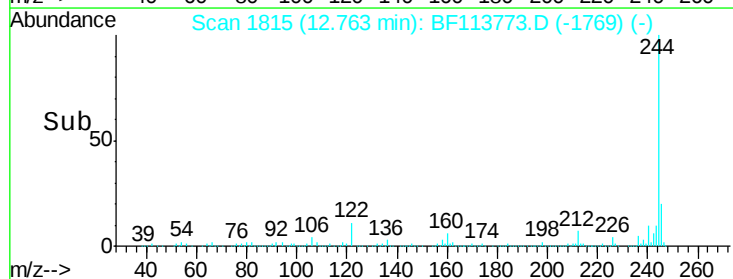
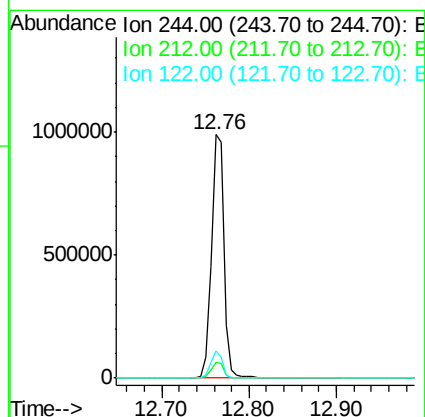
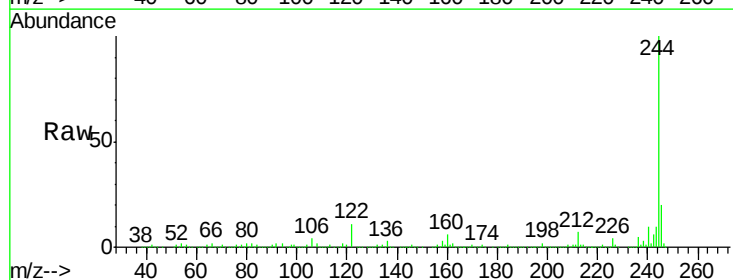
Instrument :
BNA_F
ClientSampleId :

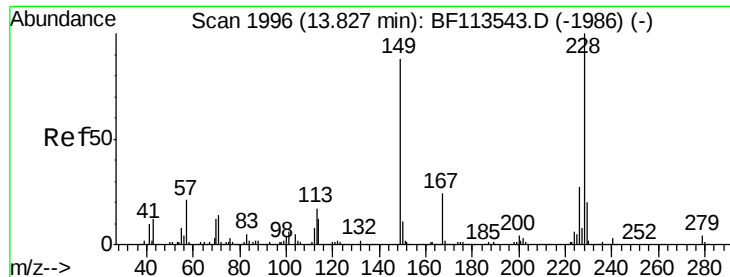
Tot Ion:202 Resp: 64100
Ion Ratio Lower Upper
202 100
200 19.5 16.8 25.2
203 18.6 14.4 21.6



#79
Terphenyl-d14
Concen: 71.804 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.03 min
Lab File: BF113773.D
Acq: 15 Apr 2019 20:05

Tgt Ion:244 Resp: 989596
Ion Ratio Lower Upper
244 100
212 6.7 5.5 8.3
122 11.4 8.6 13.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.315 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.03 min

Lab File: BF113773.D

Acq: 15 Apr 2019 20:05

Instrument :

BNA_F

ClientSampleId :

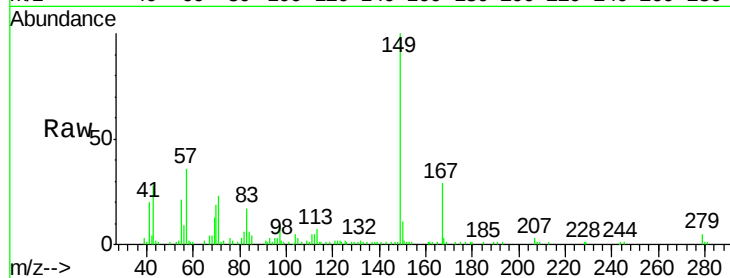
Tot Ion:149 Resp: 55852

Ion Ratio Lower Upper

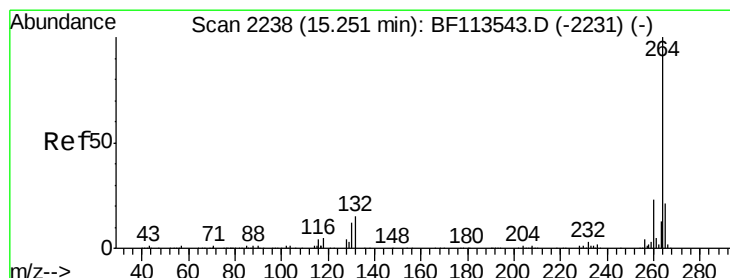
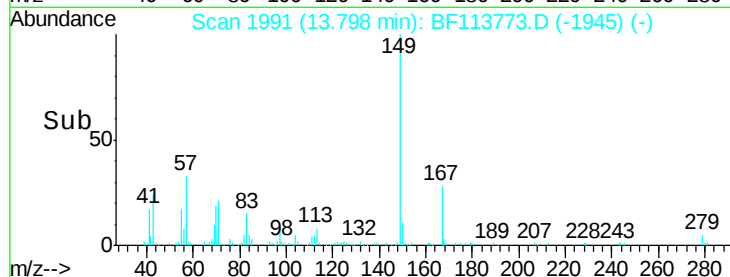
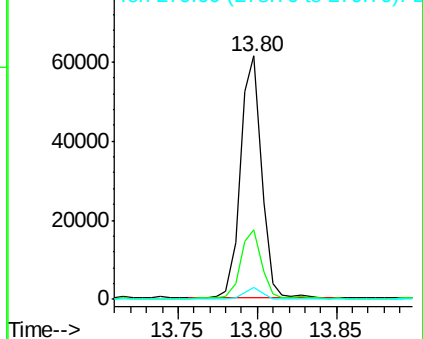
149 100

167 28.6 21.8 32.8

279 4.7 2.9 4.3#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF113773.D

Acq: 15 Apr 2019 20:05

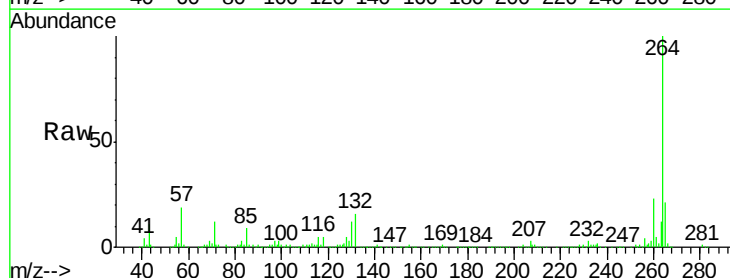
Tgt Ion:264 Resp: 340216

Ion Ratio Lower Upper

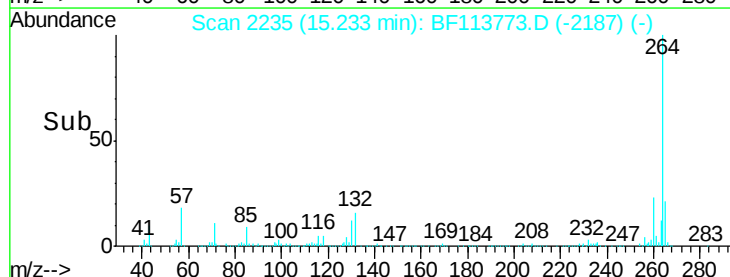
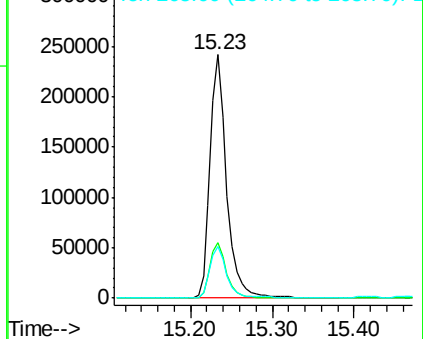
264 100

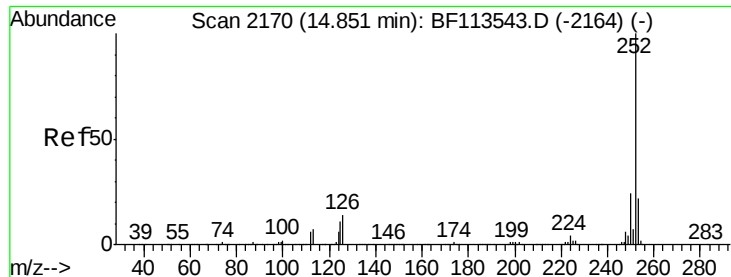
260 22.7 19.1 28.7

265 21.2 17.1 25.7



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

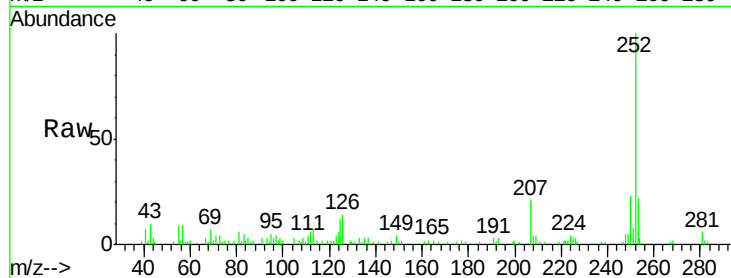




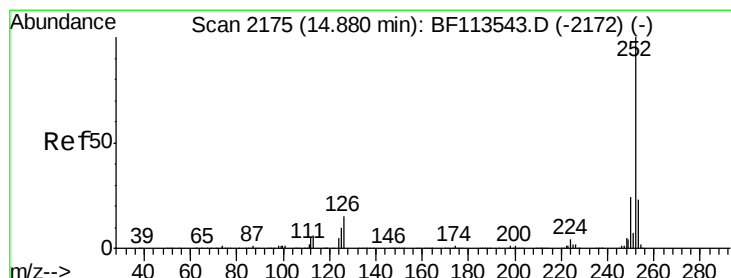
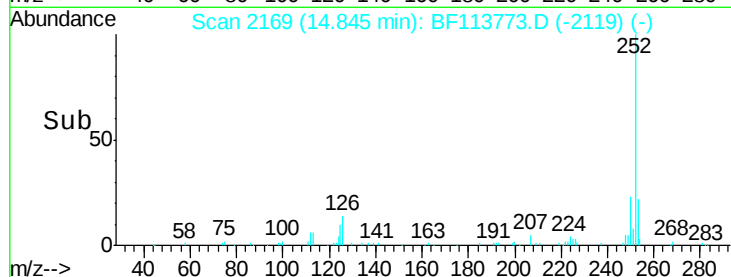
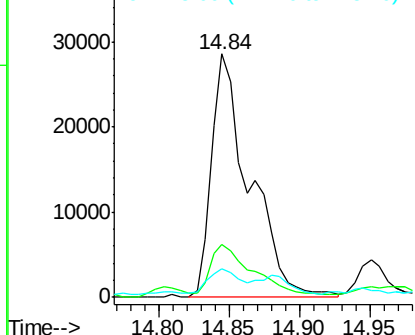
#88
Benzo(b)fluoranthene
Concen: 2.590 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113773.D
Acq: 15 Apr 2019 20:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 53929
Ion Ratio Lower Upper
252 100
253 22.0 18.0 27.0
125 11.5 7.6 11.4#

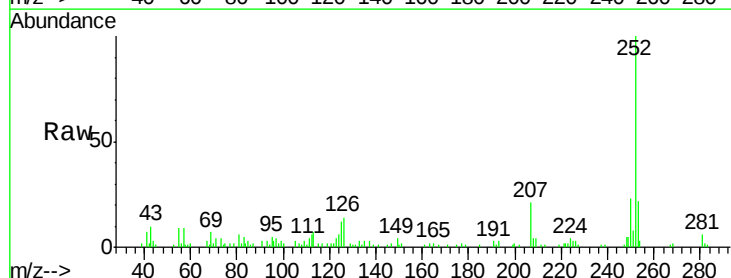


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.885 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF113773.D
Acq: 15 Apr 2019 20:05

Tgt Ion:252 Resp: 53929
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 11.5 7.3 10.9#



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

