

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
 Data File : BF113135.D
 Acq On : 19 Mar 2019 19:43
 Operator : JU/SJ
 Sample : K1935-06 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-18(11-12)

Quant Time: Mar 20 01:48:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	179386	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	677877	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	282881	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	372701	20.00	ng	-0.01
76) Chrysene-d12	13.87	240	278244	20.00	ng	0.00
87) Perylene-d12	15.28	264	221825	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	116554	10.11	ng	-0.01
7) Phenol-d6	6.36	99	159068	10.98	ng	-0.01
23) Nitrobenzene-d5	7.28	82	76371	6.74	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	28487	9.49	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	150922	5.78	ng	-0.01
79) Terphenyl-d14	12.82	244	82752	5.77	ng	0.00

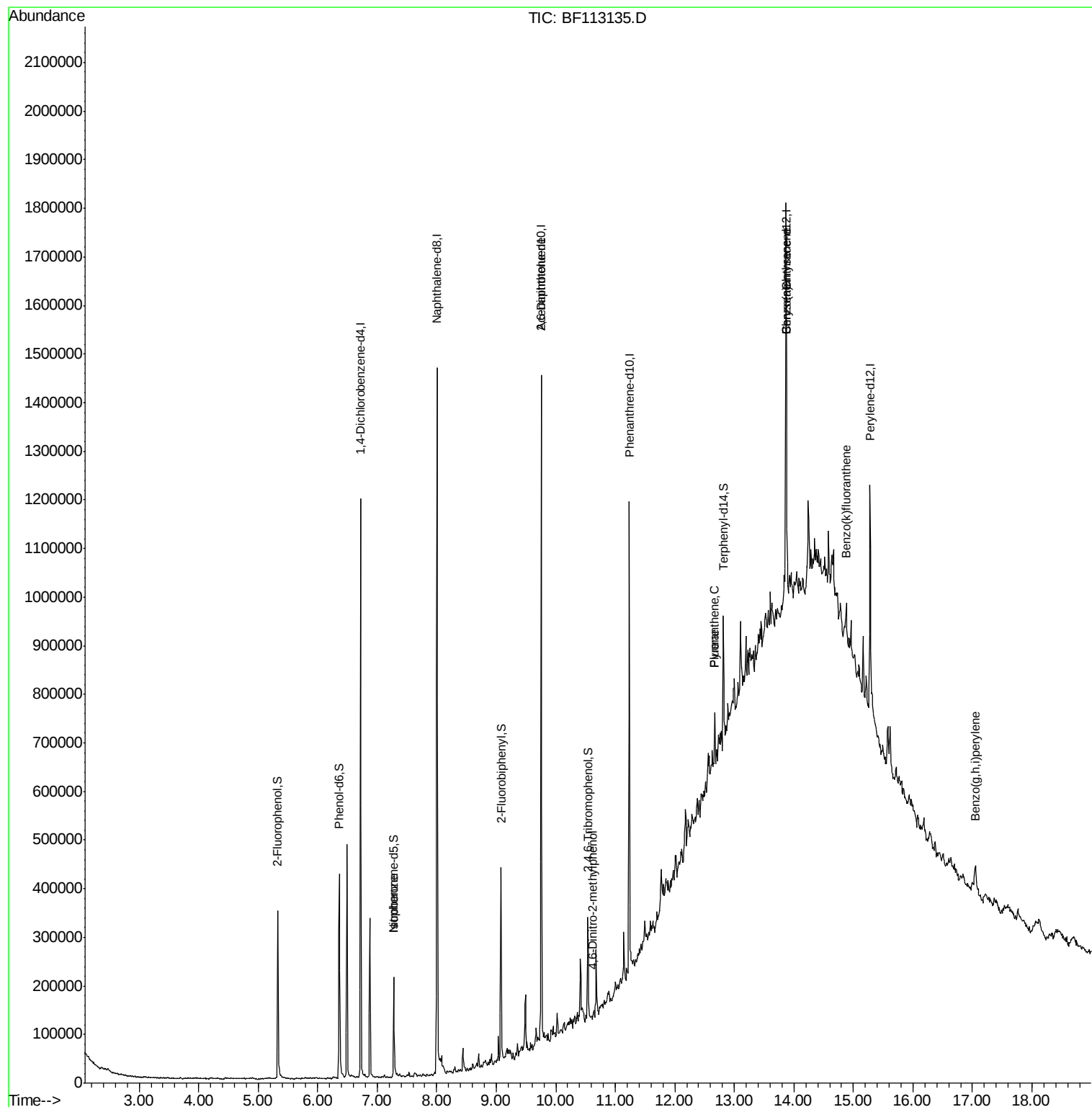
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.28	82	73855	3.026	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	35830	8.249	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.62	198	530	4.926	ng	# 1
75) Fluoranthene	12.67	202	55276	2.782	ng	# 92
78) Pyrene	12.67	202	55475	2.365	ng	# 92
81) Benzo(a)anthracene	13.88	228	67418	3.496	ng	# 63
83) Chrysene	13.88	228	67122	3.553	ng	# 69
89) Benzo(k)fluoranthene	14.88	252	27820	2.141	ng	# 55
92) Benzo(g,h,i)perylene	17.04	276	32925	3.028	ng	# 92

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

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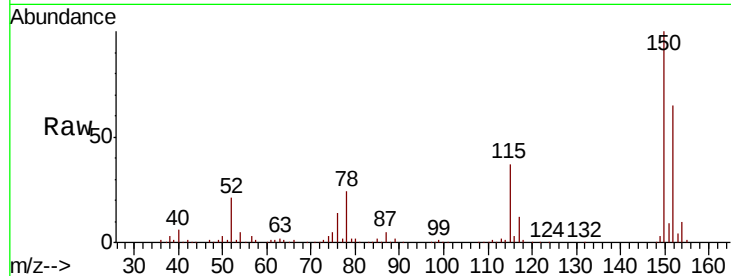


#1

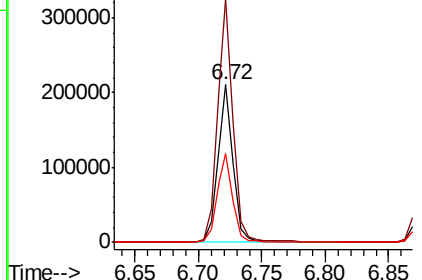
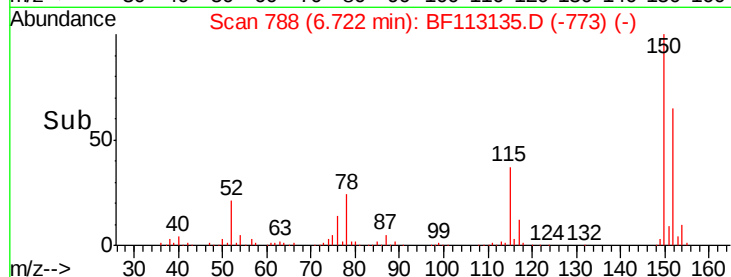
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113135.D
Acq: 19 Mar 2019 19:43

Instrument :
BNA_F
ClientSampleId :
SB-18(11-12)

Tgt Ion:152 Resp: 179386
Ion Ratio Lower Upper
152 100
150 154.3 124.2 186.2
115 56.6 48.2 72.4



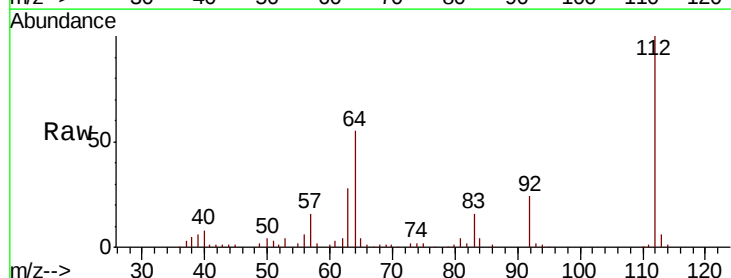
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



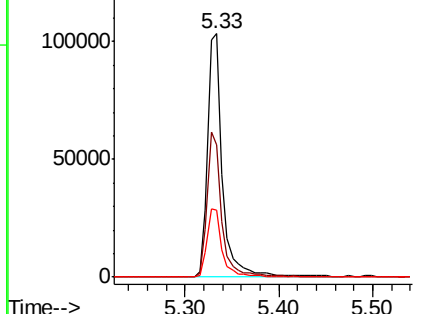
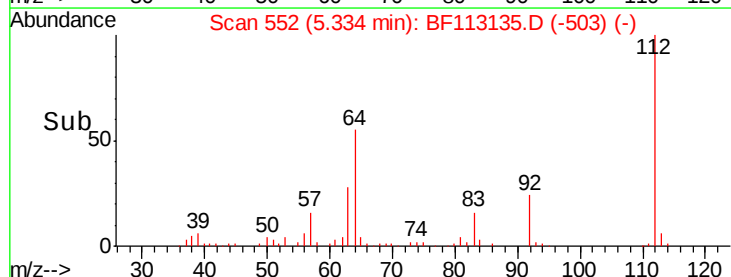
#5

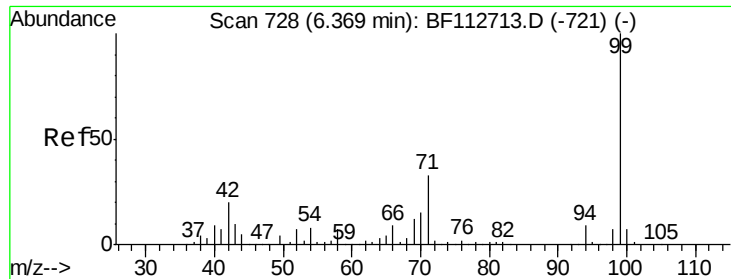
2-Fluorophenol
Concen: 10.107 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113135.D
Acq: 19 Mar 2019 19:43

Tgt Ion:112 Resp: 116554
Ion Ratio Lower Upper
112 100
64 54.5 47.6 71.4
63 27.5 24.4 36.6



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: 10.981 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113135.D

Acq: 19 Mar 2019 19:43

Instrument :

BNA_F

ClientSampleId :

SB-18(11-12)

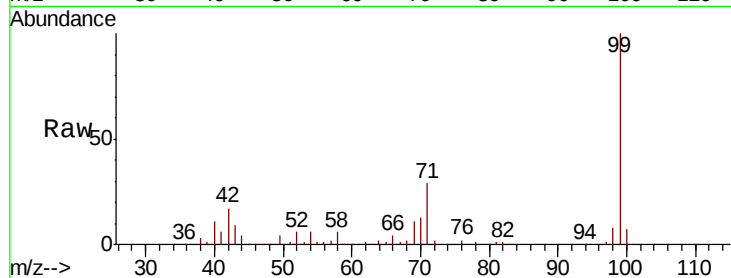
Tgt Ion: 99 Resp: 159068

Ion Ratio Lower Upper

99 100

42 16.7 16.3 24.5

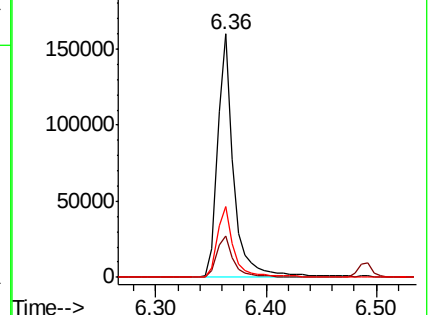
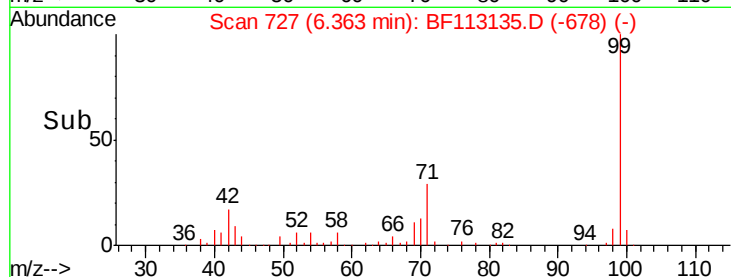
71 29.2 26.2 39.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113135.D

Acq: 19 Mar 2019 19:43

Tgt Ion: 136 Resp: 677877

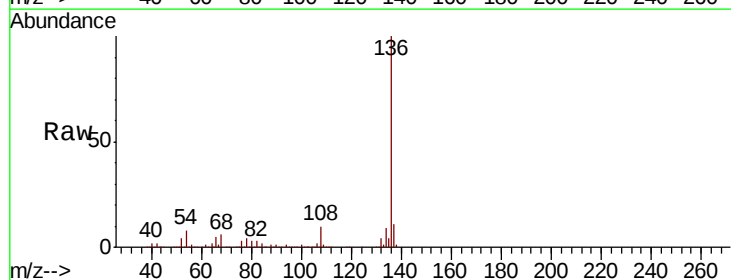
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.8 7.3 10.9

68 5.7 5.4 8.2

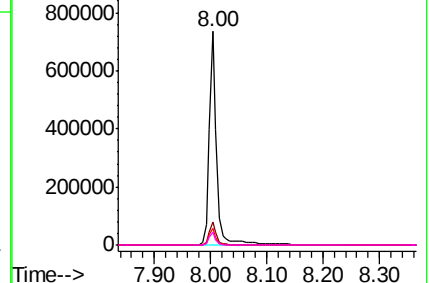
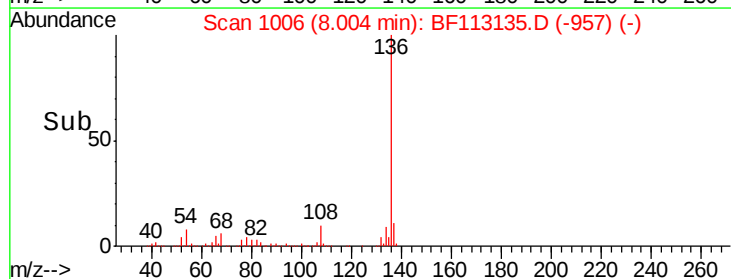


Abundance Ion 136.00 (135.70 to 136.70): E

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

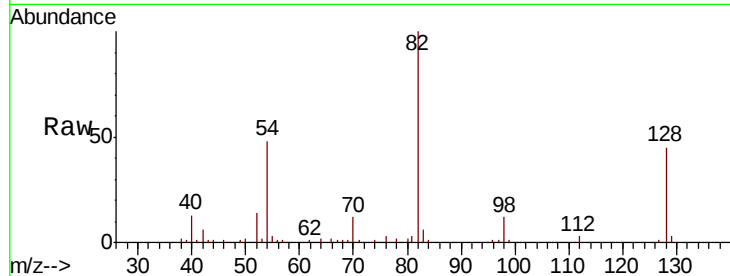




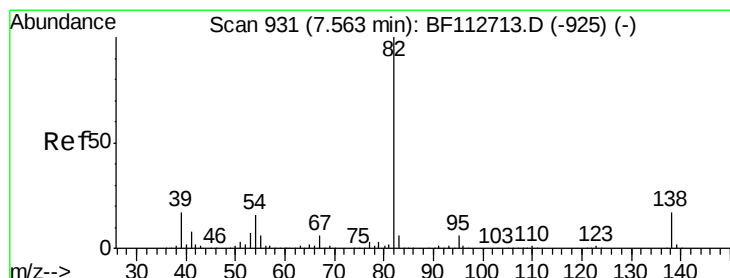
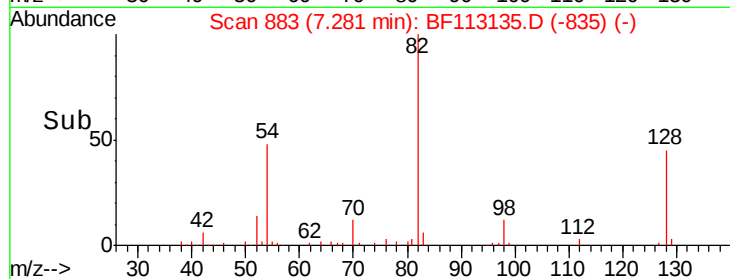
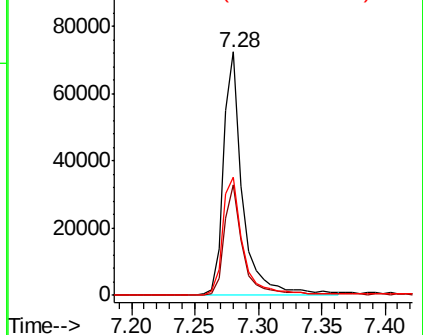
#23
Nitrobenzene-d5
Concen: 6.741 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113135.D
Acq: 19 Mar 2019 19:43

Instrument :
BNA_F
ClientSampleId :
SB-18(11-12)

Tgt Ion: 82 Resp: 76371
Ion Ratio Lower Upper
82 100
128 45.1 36.3 54.5
54 48.4 43.7 65.5

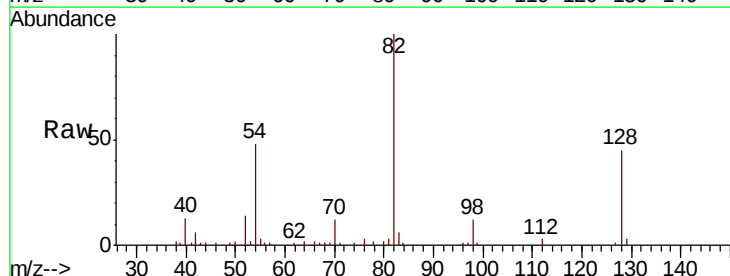


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

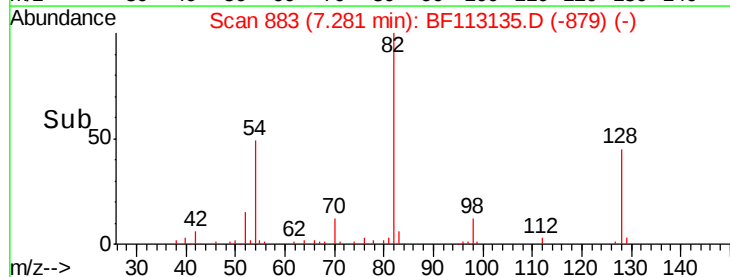
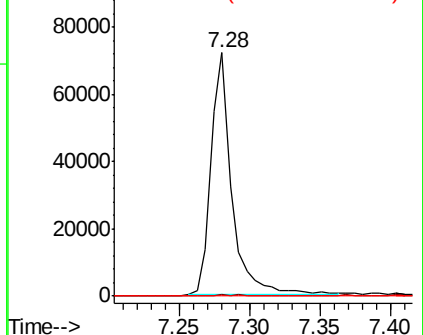


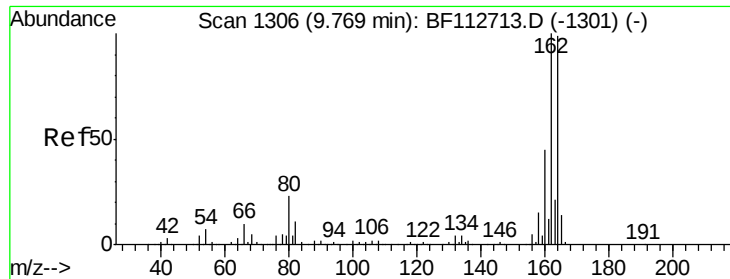
#25
Isophorone
Concen: 3.026 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.28 min
Lab File: BF113135.D
Acq: 19 Mar 2019 19:43

Tgt Ion: 82 Resp: 73855
Ion Ratio Lower Upper
82 100
95 0.4 5.2 7.8#
138 0.0 13.8 20.8#



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

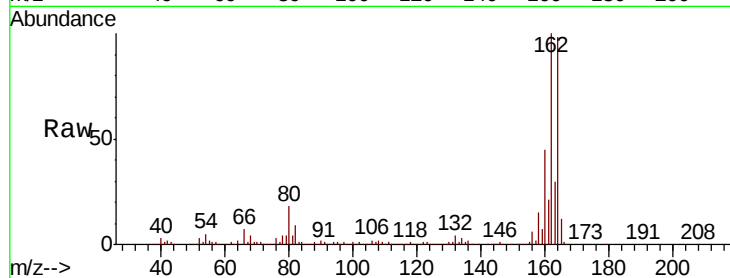




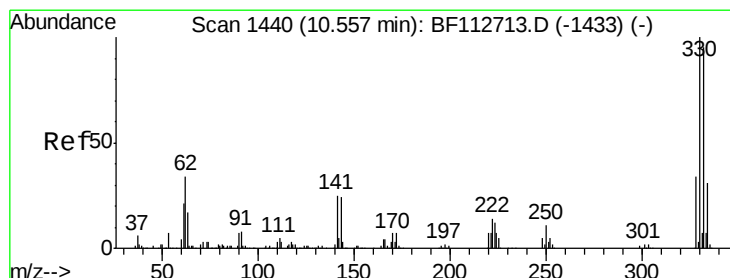
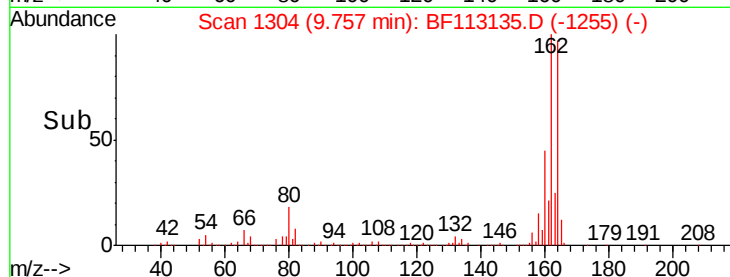
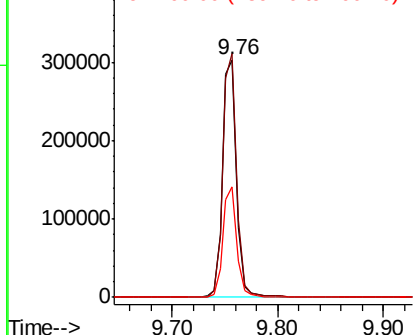
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113135.D
Acq: 19 Mar 2019 19:43

Instrument :
BNA_F
ClientSampleId :
SB-18(11-12)

Tgt Ion:164 Resp: 282881
Ion Ratio Lower Upper
164 100
162 102.5 80.6 120.8
160 46.6 36.0 54.0

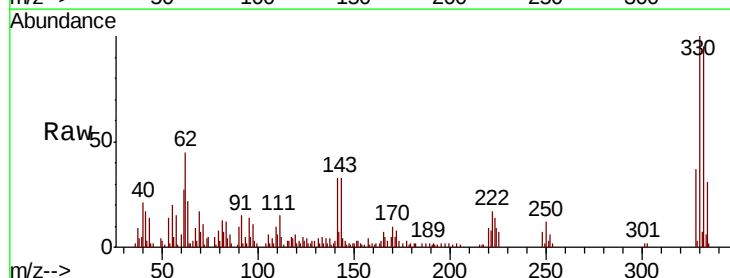


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

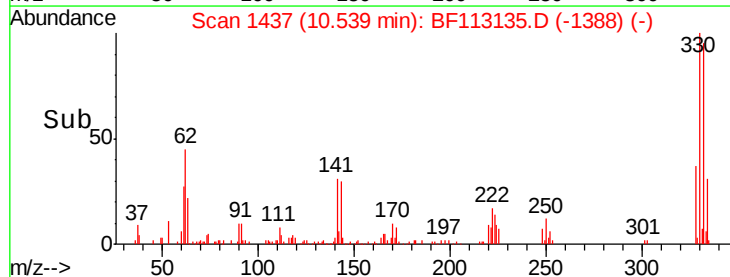
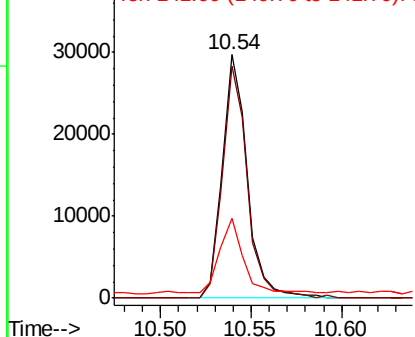


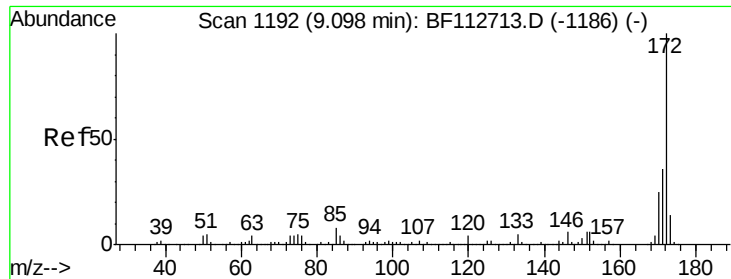
#42
2,4,6-Tribromophenol
Concen: 9.486 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF113135.D
Acq: 19 Mar 2019 19:43

Tgt Ion:330 Resp: 28487
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 29.0 27.0 40.6



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

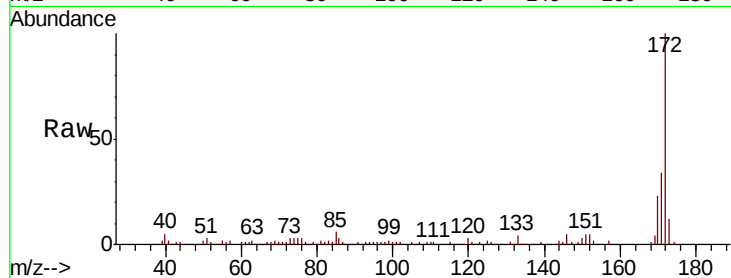




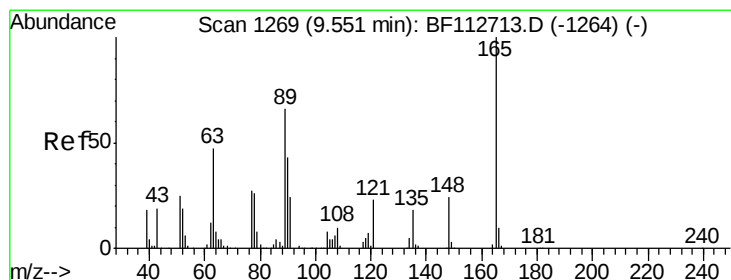
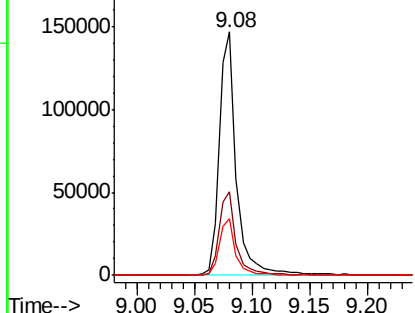
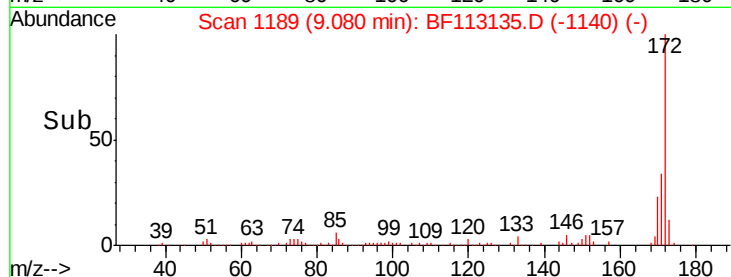
#45
 2-Fluorobiphenyl
 Concen: 5.785 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113135.D
 Acq: 19 Mar 2019 19:43

Instrument :
 BNA_F
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 SB-18(11-12)

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	29.0	43.4
170	23.2	20.0	30.0

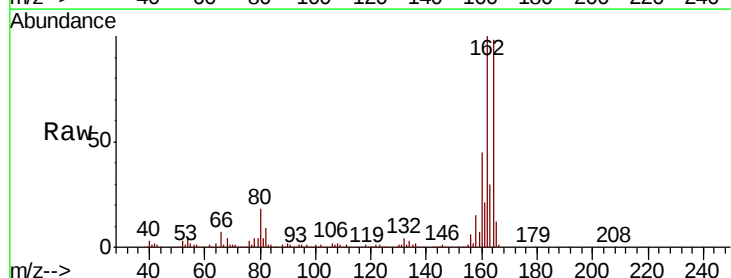


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

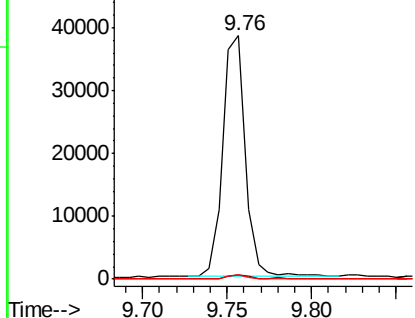
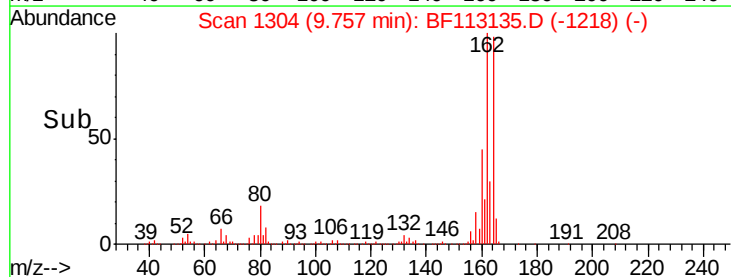


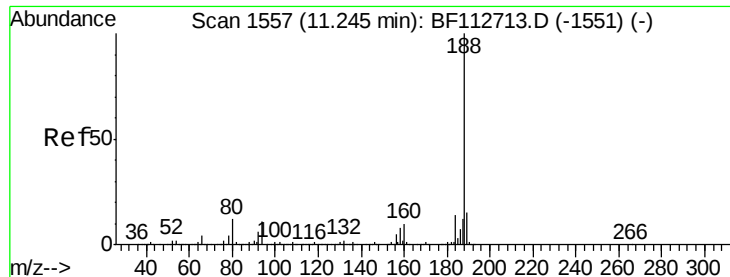
#51
 2,6-Dinitrotoluene
 Concen: 8.249 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.21 min
 Lab File: BF113135.D
 Acq: 19 Mar 2019 19:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	54.1	81.1#
89	1.9	52.8	79.2#



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

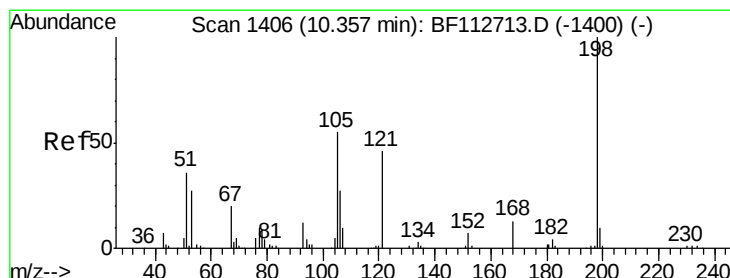
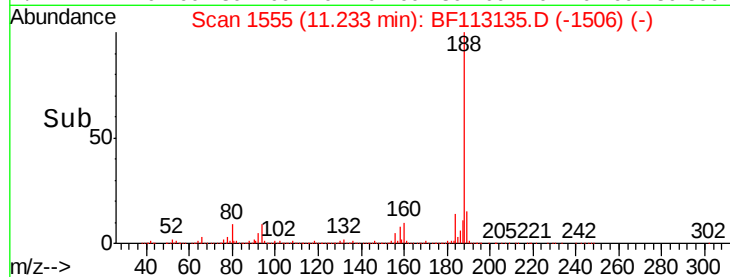
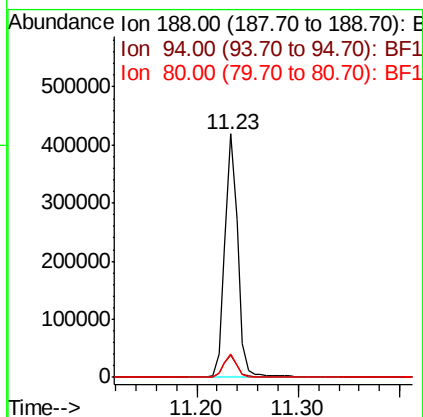
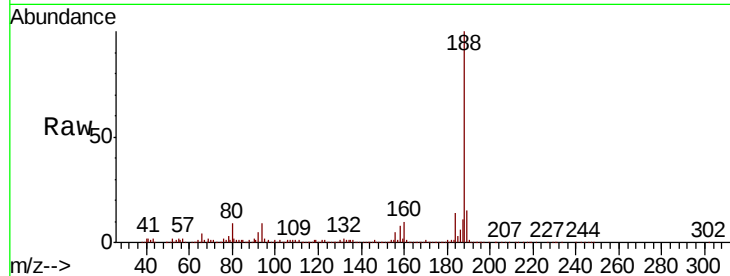




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113135.D
Acq: 19 Mar 2019 19:43

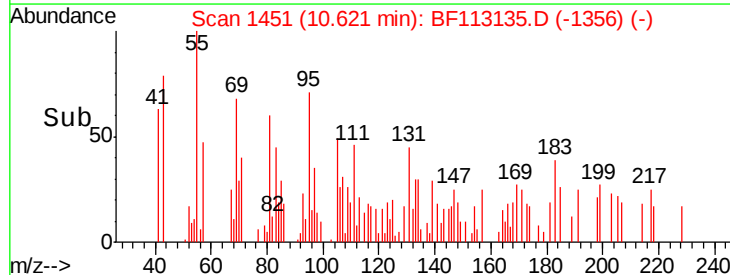
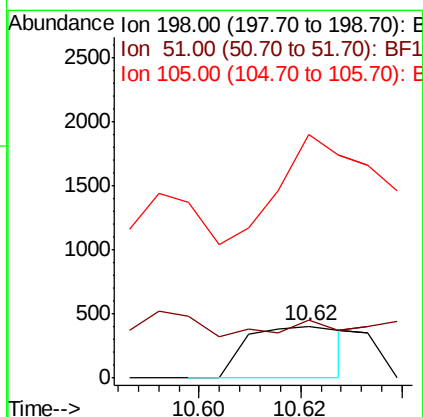
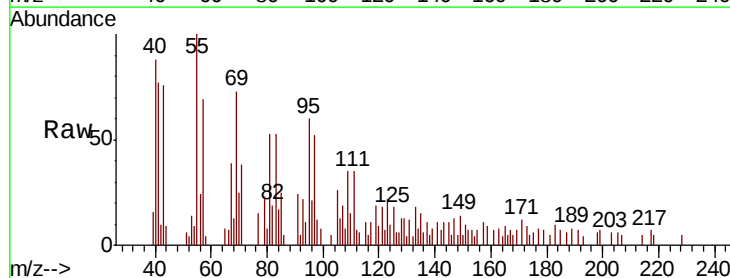
Instrument :
BNA_F
ClientSampled :
SB-18(11-12)

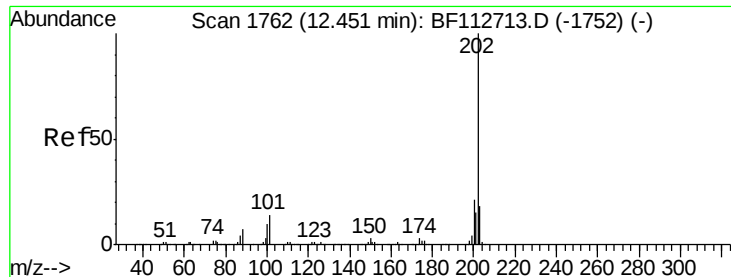
Tgt Ion:188 Resp: 372701
Ion Ratio Lower Upper
188 100
94 9.0 9.0 13.4
80 9.4 9.2 13.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.926 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.26 min
Lab File: BF113135.D
Acq: 19 Mar 2019 19:43

Tgt Ion:198 Resp: 530
Ion Ratio Lower Upper
198 100
51 111.5 43.8 83.8#
105 466.3 36.5 76.5#





#75

Fluoranthene

Concen: 2.782 ng

RT: 12.67 min Scan# 1799

Delta R.T. 0.22 min

Lab File: BF113135.D

Acq: 19 Mar 2019 19:43

Instrument :

BNA_F

ClientSampleId :

SB-18(11-12)

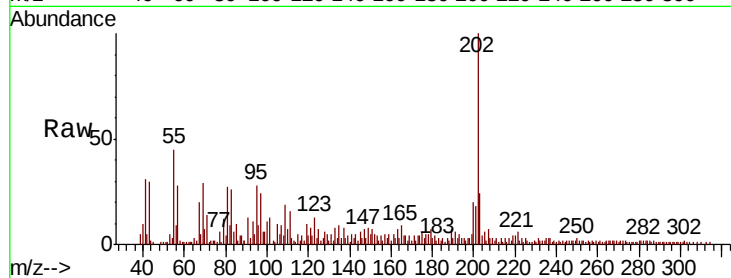
Tgt Ion:202 Resp: 55276

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.8

203 24.2 0.0 38.4

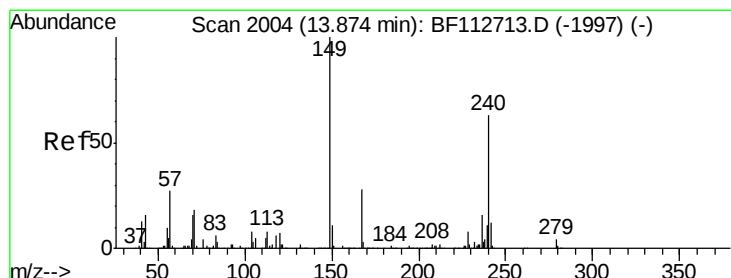
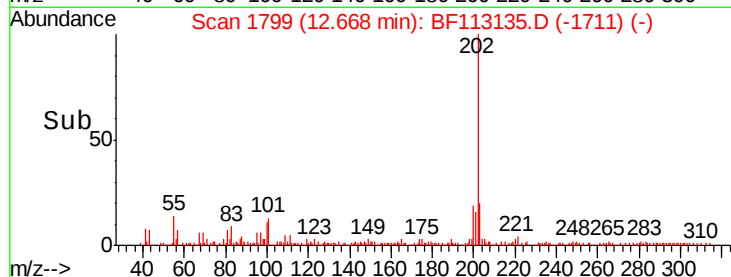
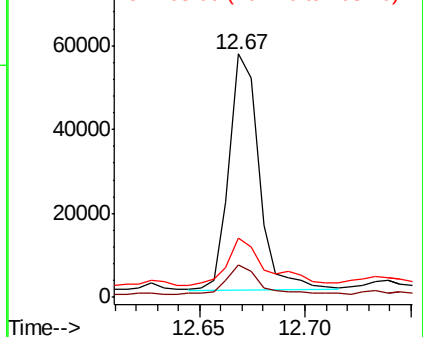


Abundance

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: 13.87 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BF113135.D

Acq: 19 Mar 2019 19:43

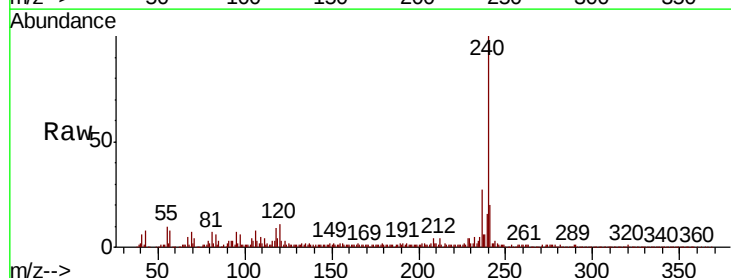
Tgt Ion:240 Resp: 278244

Ion Ratio Lower Upper

240 100

120 10.9 8.9 13.3

236 26.9 20.7 31.1

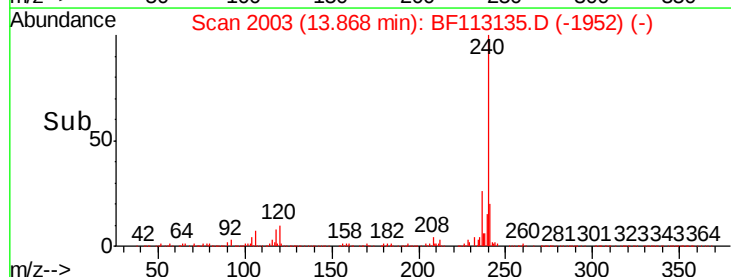
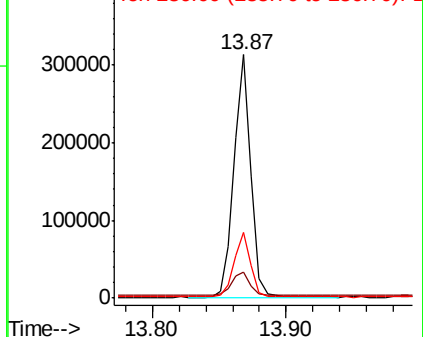


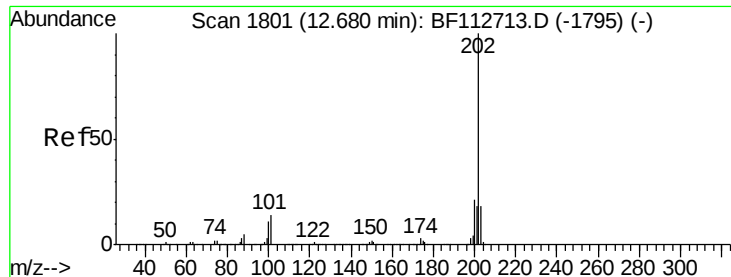
Abundance

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

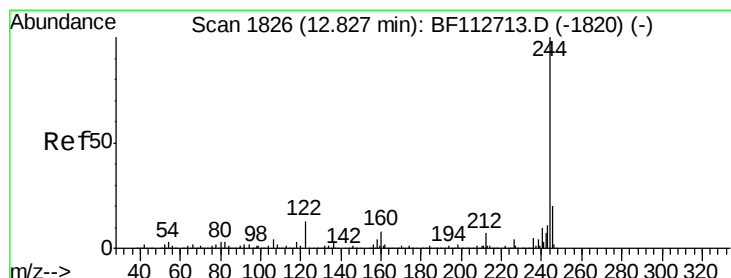
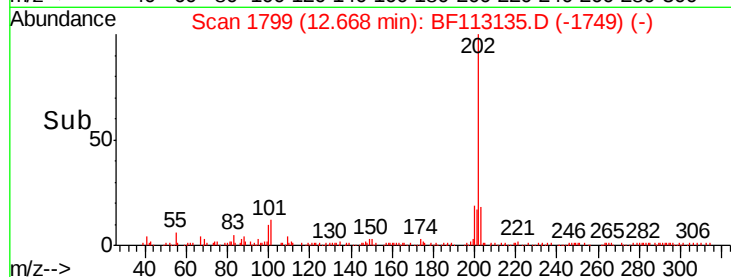
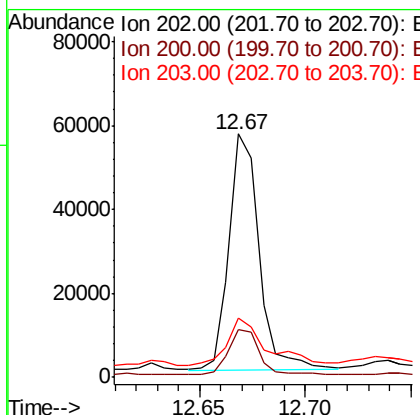
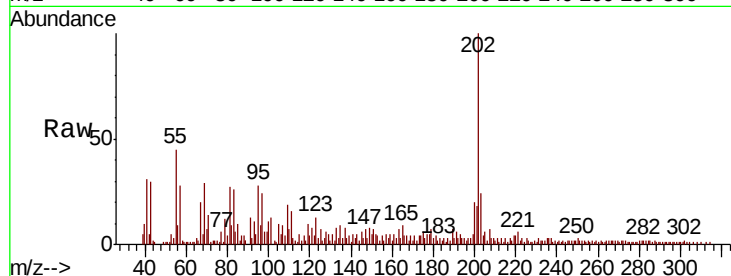




#78
 Pyrene
 Concen: 2.365 ng
 RT: 12.67 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: BF113135.D
 Acq: 19 Mar 2019 19:43

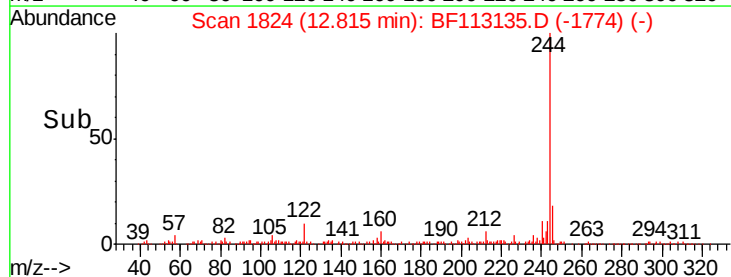
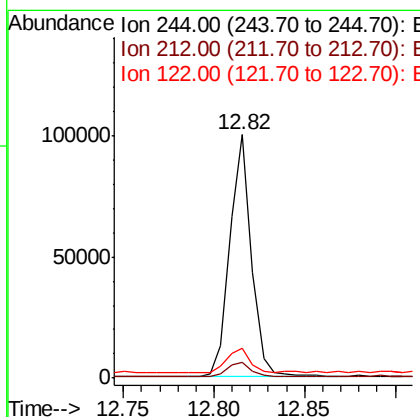
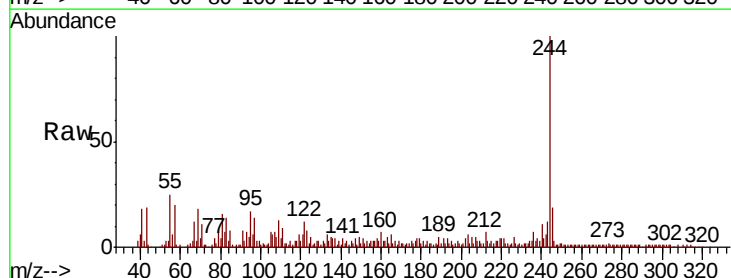
Instrument :
 BNA_F
 ClientSampleId :
 SB-18(11-12)

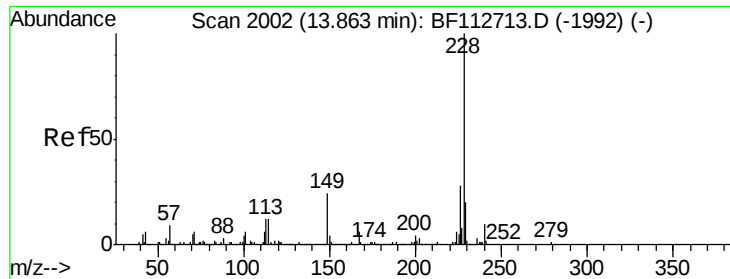
Tgt Ion:	202	Resp:	55475
Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.0	25.4
203	24.2	14.4	21.6#



#79
 Terphenyl-d14
 Concen: 5.765 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF113135.D
 Acq: 19 Mar 2019 19:43

Tgt Ion:	244	Resp:	82752
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	12.2	10.5	15.7





#81

Benzo(a)anthracene

Concen: 3.496 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.02 min

Lab File: BF113135.D

Acq: 19 Mar 2019 19:43

Instrument :

BNA_F

ClientSampleId :

SB-18(11-12)

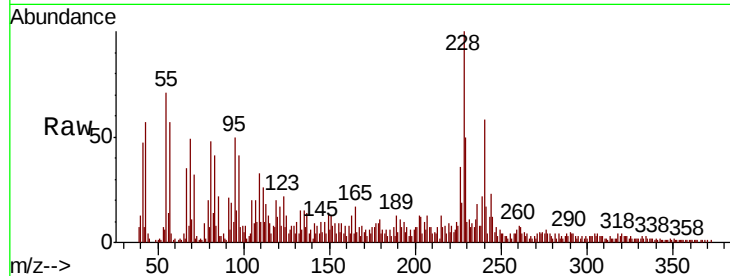
Tgt Ion:228 Resp: 67418

Ion Ratio Lower Upper

228 100

226 36.2 22.2 33.4#

229 50.1 16.0 24.0#

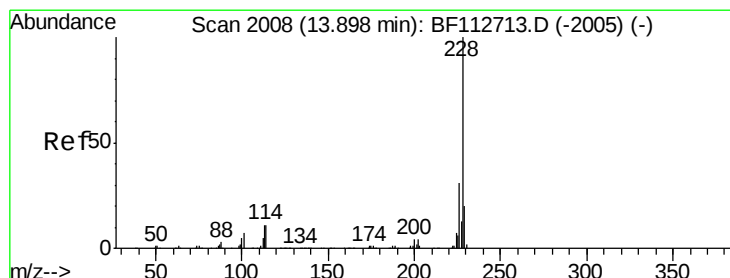
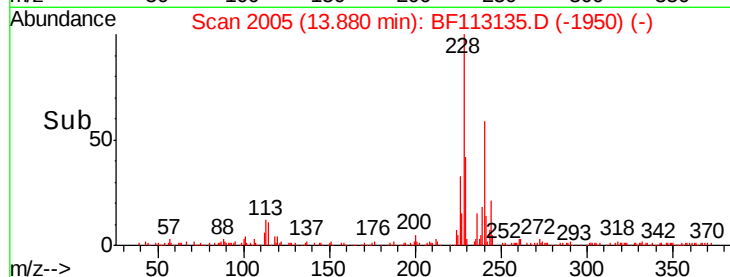
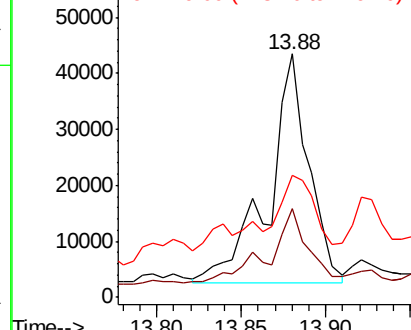


Abundance

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: 3.553 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF113135.D

Acq: 19 Mar 2019 19:43

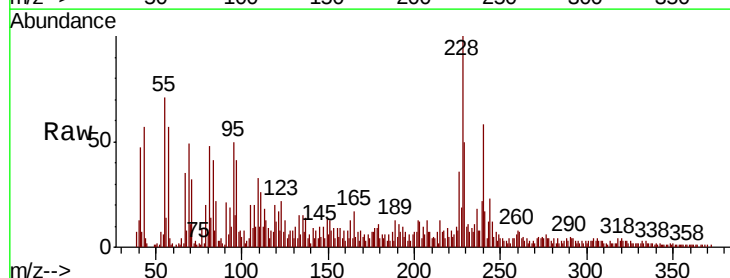
Tgt Ion:228 Resp: 67122

Ion Ratio Lower Upper

228 100

226 36.2 24.9 37.3

229 50.1 16.3 24.5#

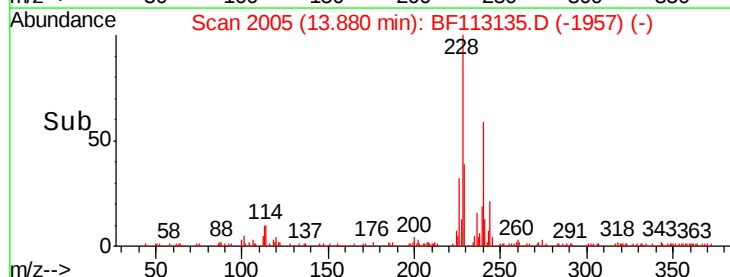
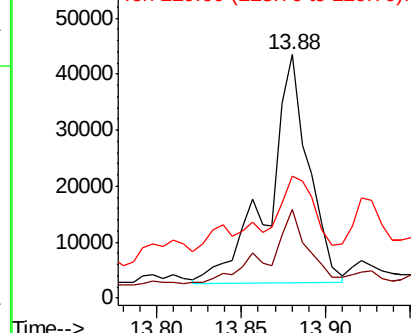


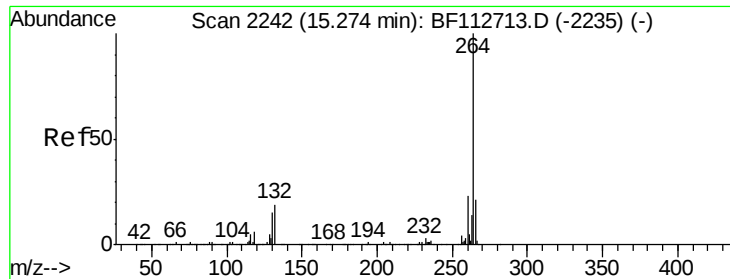
Abundance

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



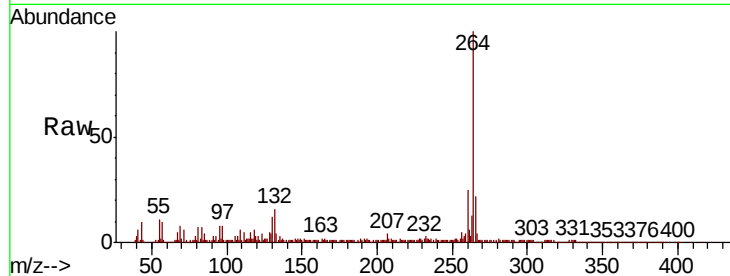


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF113135.D
Acq: 19 Mar 2019 19:43

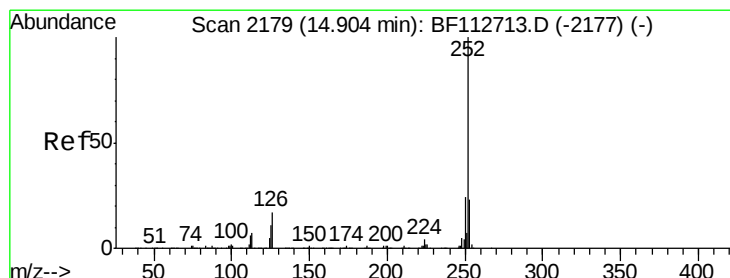
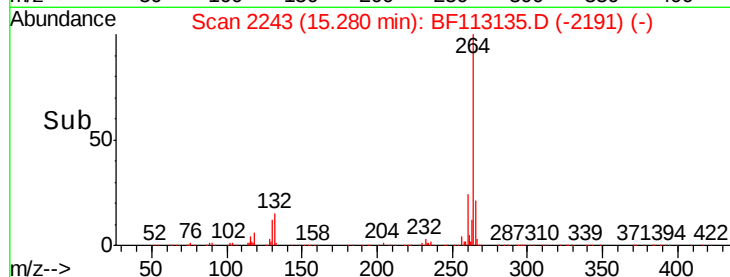
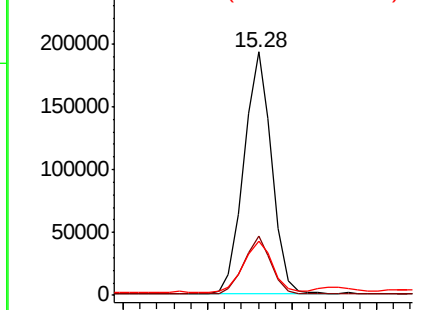
Instrument :
BNA_F
ClientSampleId :
SB-18(11-12)

Tgt Ion: 264 Resp: 221825

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.7	28.1
265	22.2	17.2	25.8



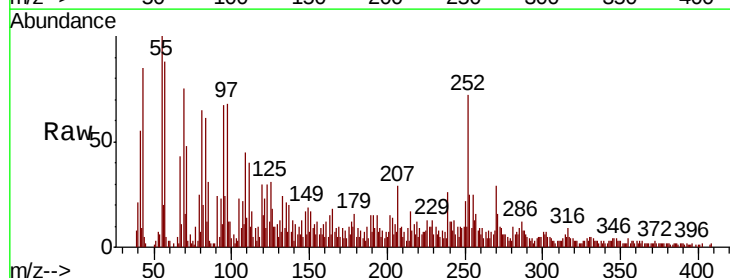
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



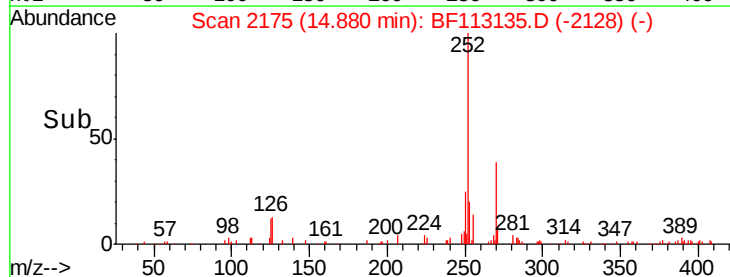
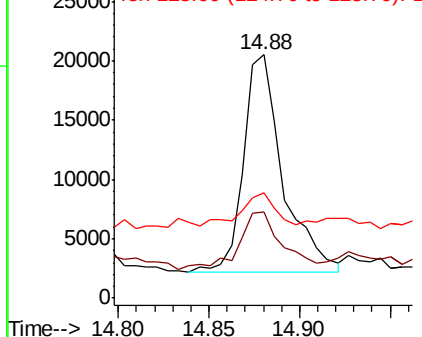
#89
Benzo(k)fluoranthene
Concen: 2.141 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF113135.D
Acq: 19 Mar 2019 19:43

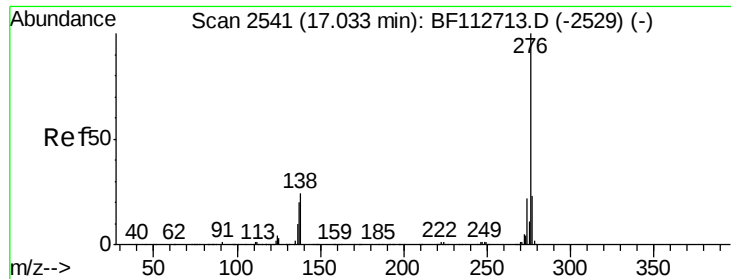
Tgt Ion: 252 Resp: 27820

Ion	Ratio	Lower	Upper
252	100		
253	35.3	18.2	27.2#
125	43.5	9.8	14.6#



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(g,h,i)perylene

Concen: 3.028 ng

RT: 17.04 min Scan# 2543

Delta R.T. -0.00 min

Lab File: BF113135.D

Acq: 19 Mar 2019 19:43

Instrument :

BNA_F

ClientSampleId :

SB-18(11-12)

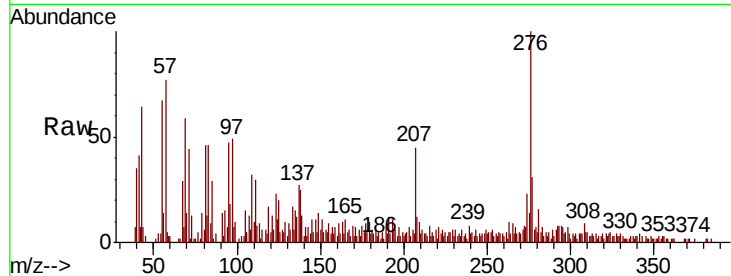
Tgt Ion:276 Resp: 32925

Ion Ratio Lower Upper

276 100

277 30.7 18.6 27.8#

138 25.1 19.4 29.0



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

