

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100918\
 Data File : BF109728.D
 Acq On : 10 Oct 2018 6:44
 Operator : JU/SJ
 Sample : J5309-22
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 S-30

Quant Time: Oct 10 08:25:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	80158	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	303857	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	115736	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	197680	20.00	ng	0.00
75) Chrysene-d12	13.83	240	209171	20.00	ng	0.00
86) Perylene-d12	15.23	264	158467	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	431339	95.52	ng	0.00
7) Phenol-d6	6.35	99	589806	97.77	ng	-0.01
23) Nitrobenzene-d5	7.26	82	379464	68.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	99867	79.19	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	643126	76.53	ng	0.00
78) Terphenyl-d14	12.78	244	540552	50.03	ng	0.00

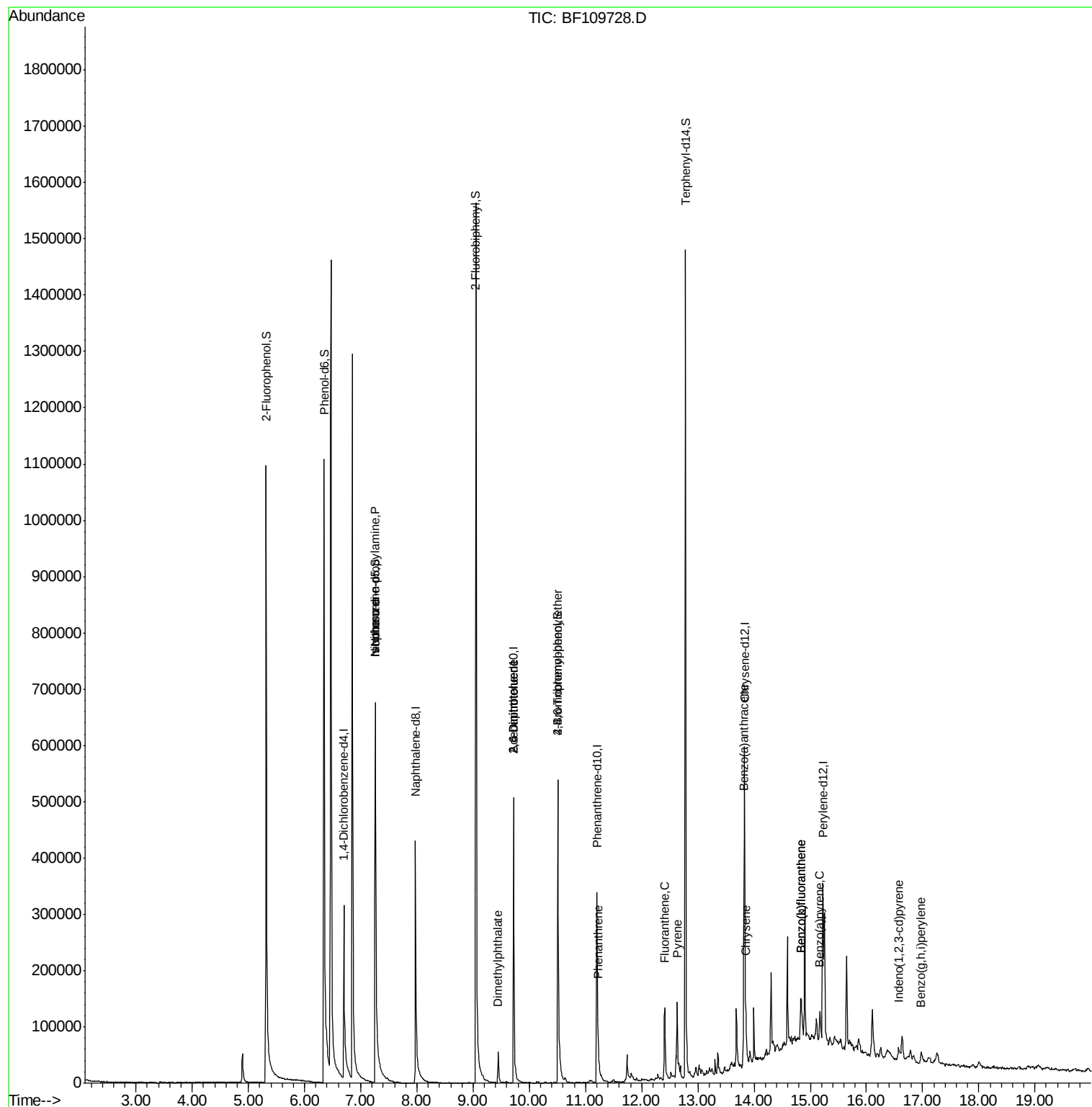
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	48606	11.489	ng	# 79
25) Isophorone	7.26	82	379464	41.456	ng	# 67
49) Dimethylphthalate	9.45	163	34369	4.049	ng	99
50) 2,6-Dinitrotoluene	9.72	165	14108	7.668	ng	# 21
56) 2,4-Dinitrotoluene	9.72	165	14109	6.145	ng	# 17
66) 4-Bromophenyl-phenylether	10.51	248	5650	2.487	ng	# 1
70) Phenanthrene	11.23	178	30264	3.059	ng	97
74) Fluoranthene	12.41	202	76458	7.398	ng	99
77) Pyrene	12.63	202	72408	4.725	ng	98
80) Benzo(a)anthracene	13.82	228	42587	3.689	ng	95
82) Chrysene	13.85	228	38046	3.138	ng	95
85) Indeno(1,2,3-cd)pyrene	16.57	276	18420	2.123	ng	99
87) Benzo(b)fluoranthene	14.83	252	60325	6.889	ng	# 94
88) Benzo(k)fluoranthene	14.83	252	60325	6.856	ng	# 93
89) Benzo(a)pyrene	15.17	252	31534	3.968	ng	95
91) Benzo(g,h,i)perylene	16.97	276	17414	2.672	ng	97

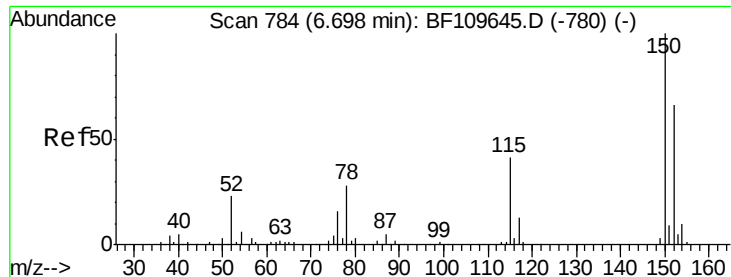
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100918\
Data File : BF109728.D
Acq On : 10 Oct 2018 6:44
Operator : JU/SJ
Sample : J5309-22
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
S-30

Quant Time: Oct 10 08:25:17 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 08 16:02:11 2018
Response via : Initial Calibration



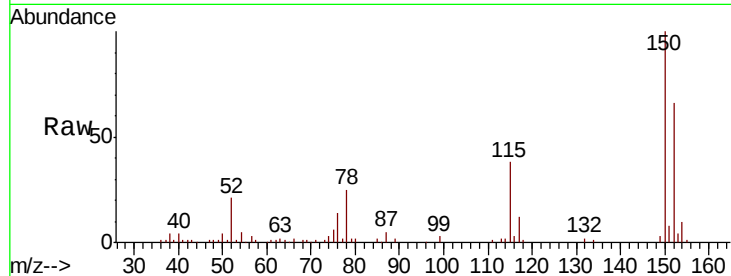


#1

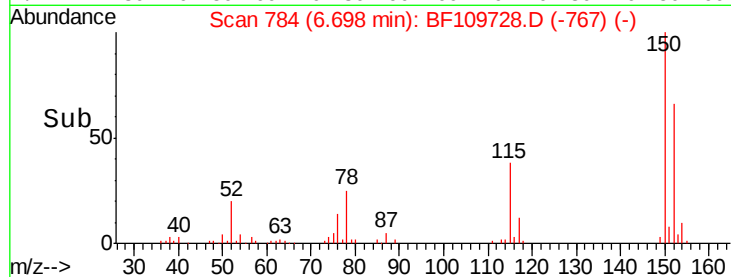
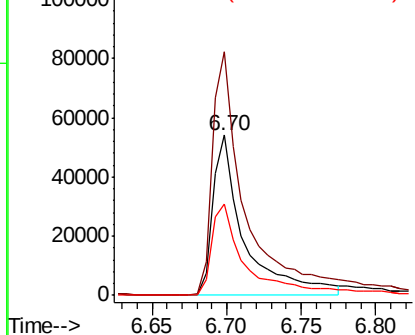
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF109728.D
Acq: 10 Oct 2018 6:44

Instrument :
BNA_G
ClientSampled :
S-30

Tgt Ion:152 Resp: 80158
Ion Ratio Lower Upper
152 100
150 151.8 122.7 184.1
115 57.0 49.1 73.7



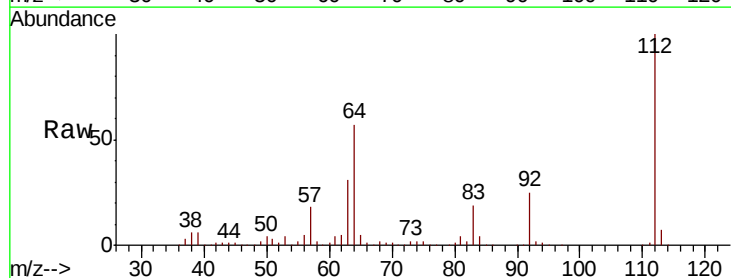
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



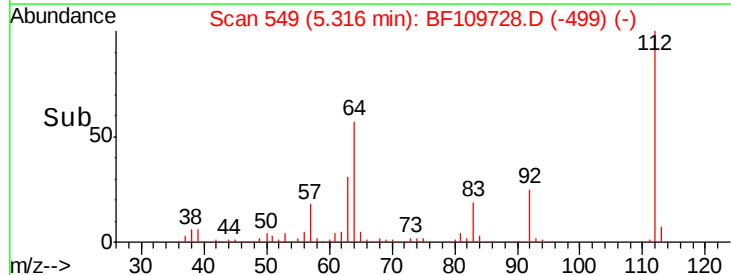
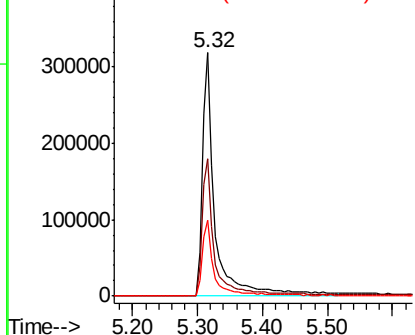
#5

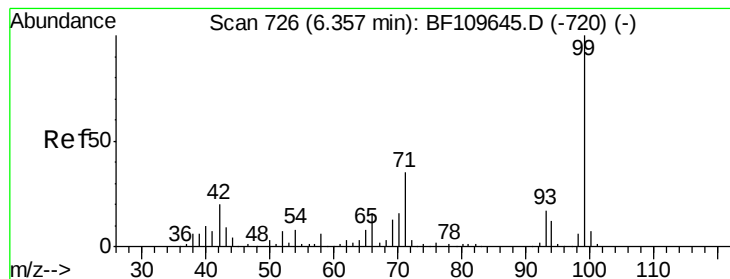
2-Fluorophenol
Concen: 95.516 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF109728.D
Acq: 10 Oct 2018 6:44

Tgt Ion:112 Resp: 431339
Ion Ratio Lower Upper
112 100
64 56.7 44.1 66.1
63 31.4 23.7 35.5



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: 97.768 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109728.D

Acq: 10 Oct 2018 6:44

Instrument :

BNA_G

ClientSampled :

S-30

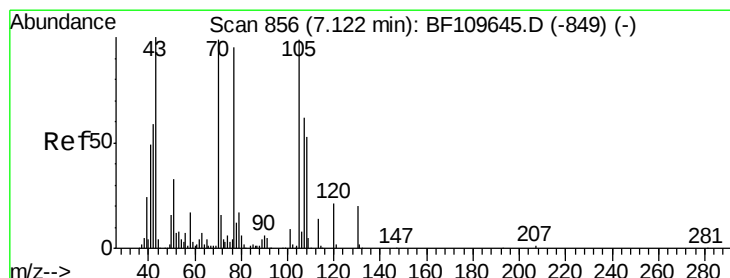
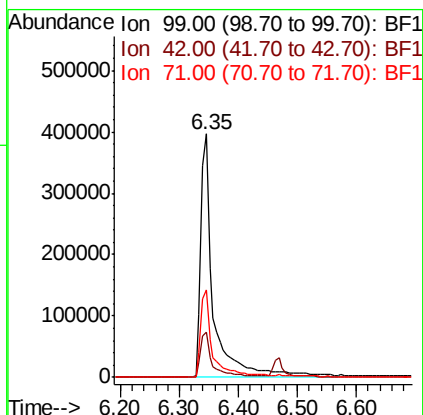
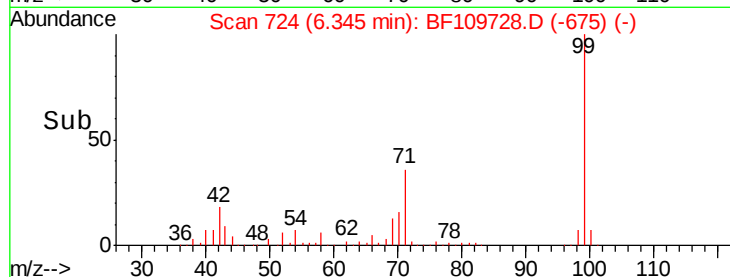
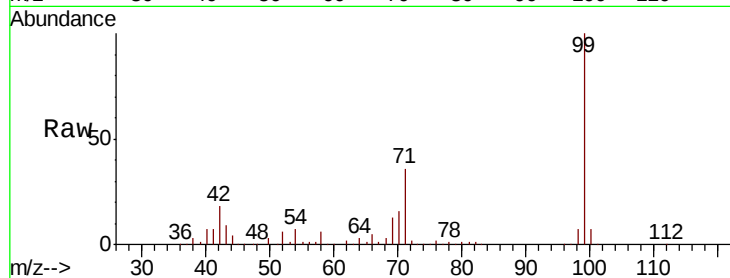
Tgt Ion: 99 Resp: 589806

Ion Ratio Lower Upper

99 100

42 18.4 15.8 23.6

71 35.8 28.0 42.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.489 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF109728.D

Acq: 10 Oct 2018 6:44

Tgt Ion: 70 Resp: 48606

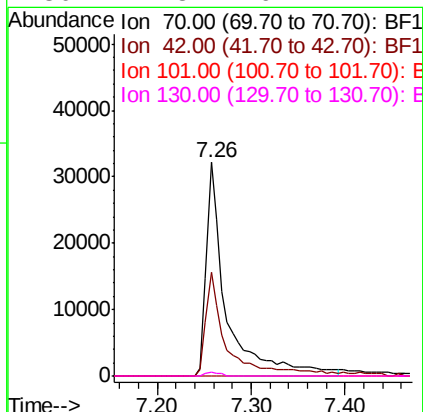
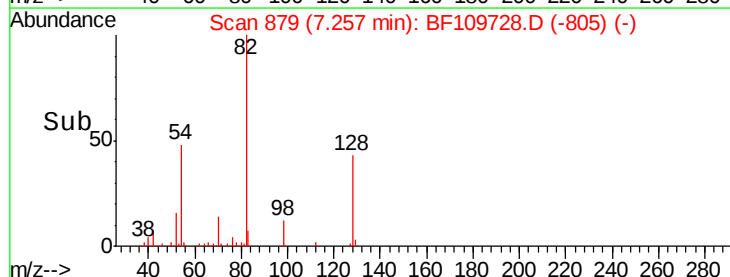
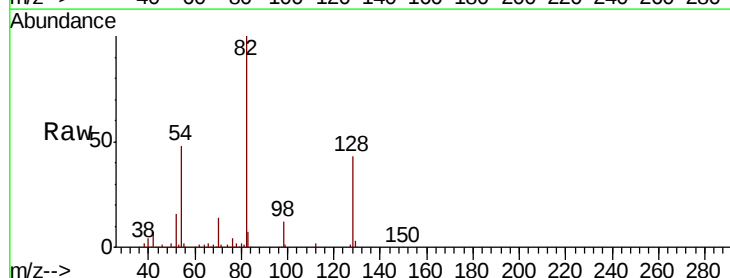
Ion Ratio Lower Upper

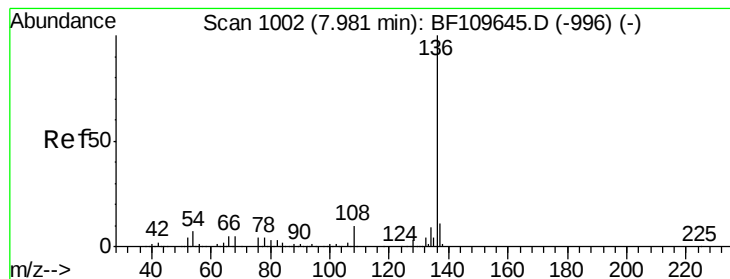
70 100

42 48.8 47.4 71.2

101 0.0 7.3 10.9#

130 1.8 16.2 24.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109728.D

Acq: 10 Oct 2018 6:44

Instrument :

BNA_G

ClientSampleId :

S-30

Tgt Ion: 136 Resp: 303857

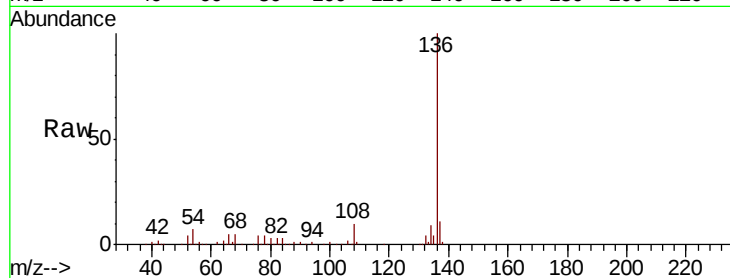
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 6.9 5.4 8.2

68 5.2 4.2 6.2

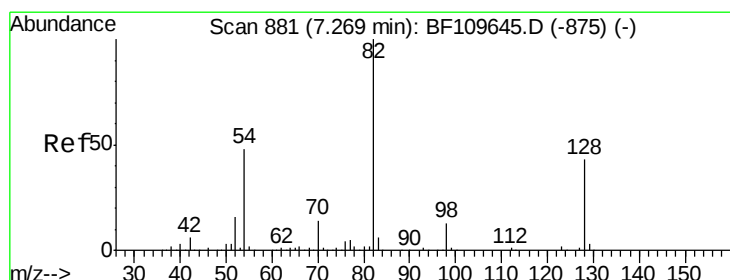
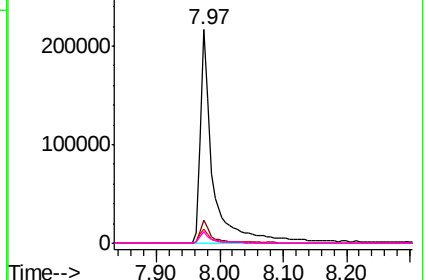
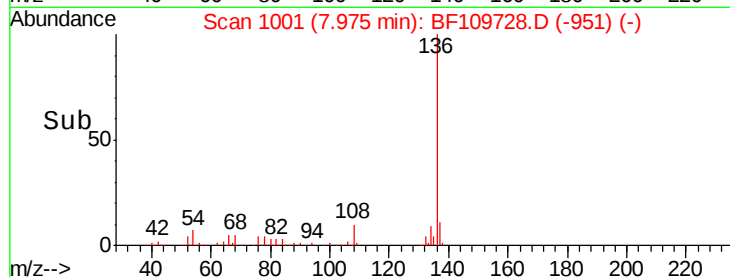


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.839 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF109728.D

Acq: 10 Oct 2018 6:44

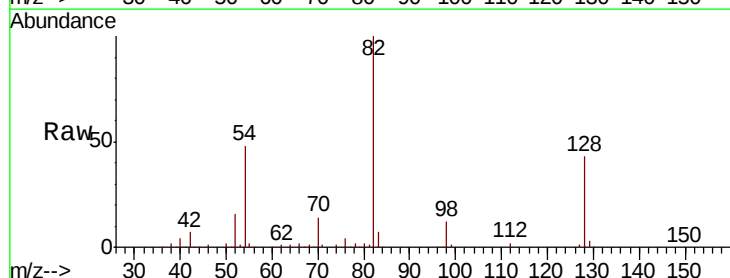
Tgt Ion: 82 Resp: 379464

Ion Ratio Lower Upper

82 100

128 42.8 34.2 51.2

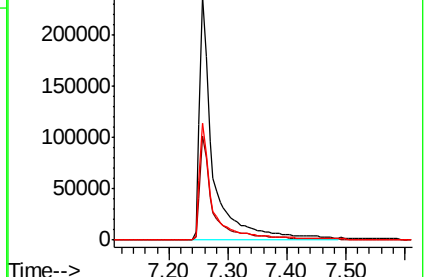
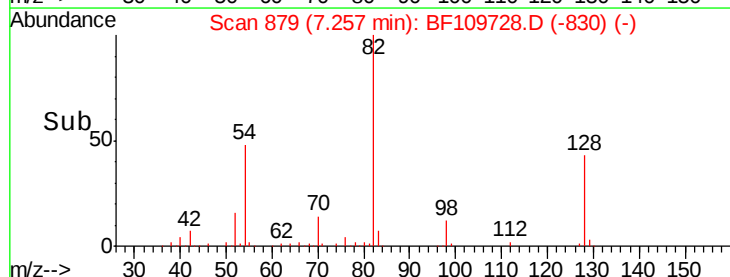
54 48.1 38.6 58.0

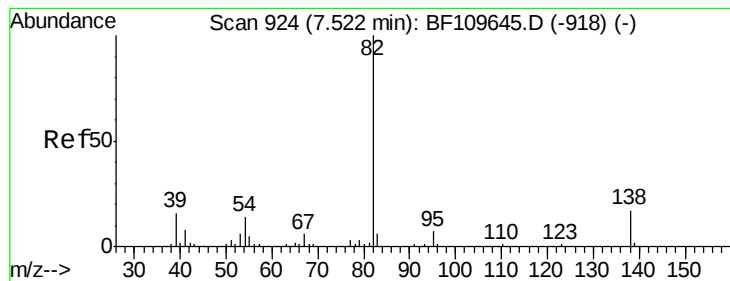


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.456 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF109728.D

Acq: 10 Oct 2018 6:44

Instrument :

BNA_G

ClientSampleId :

S-30

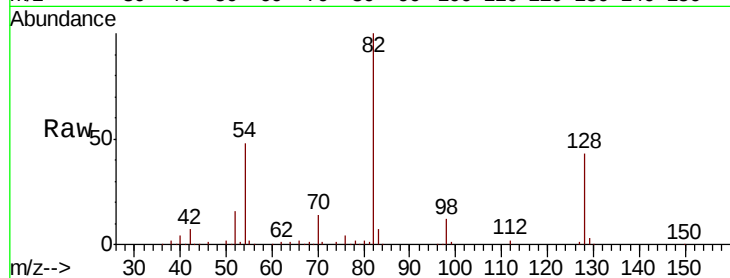
Tgt Ion: 82 Resp: 379464

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

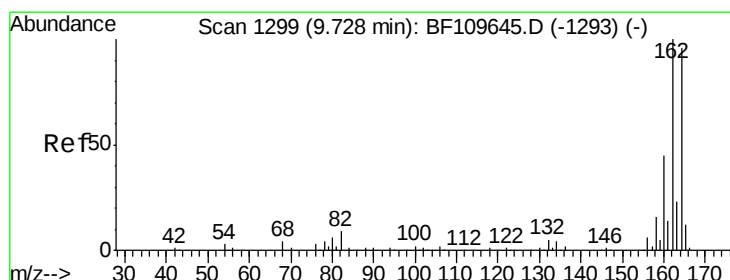
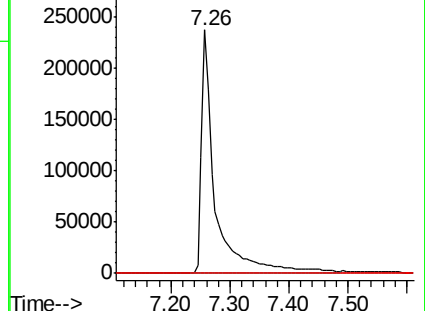
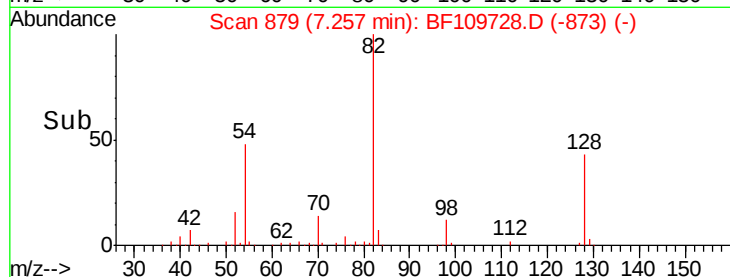
138 0.0 13.2 19.8#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF109728.D

Acq: 10 Oct 2018 6:44

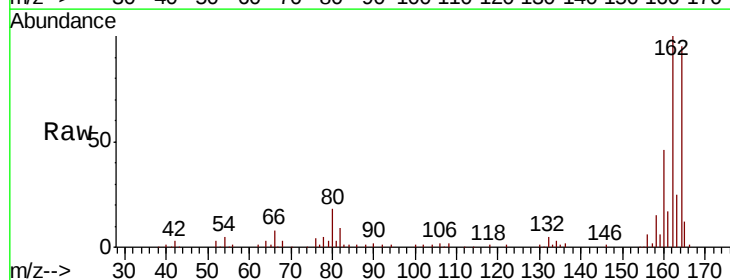
Tgt Ion: 164 Resp: 115736

Ion Ratio Lower Upper

164 100

162 104.8 83.0 124.6

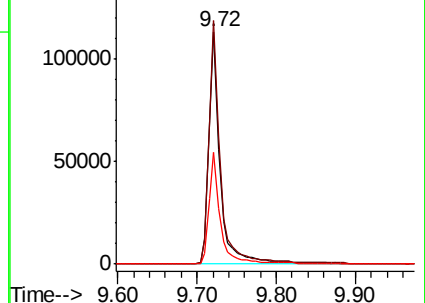
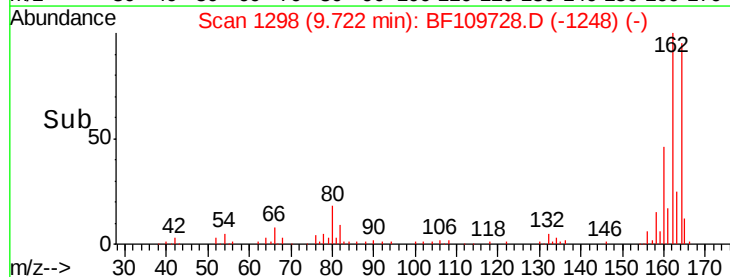
160 48.2 37.0 55.6

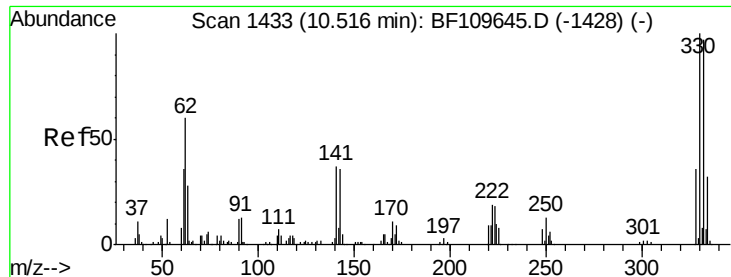


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

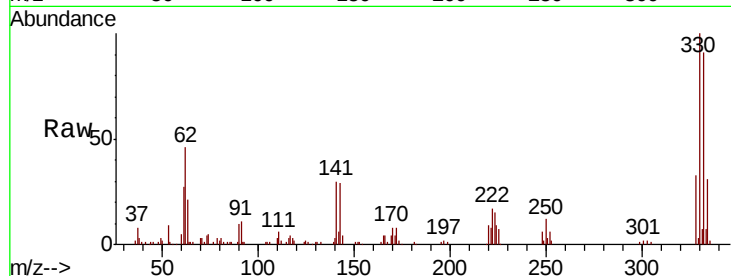




#41
 2,4,6-Tribromophenol
 Concen: 79.192 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109728.D
 Acq: 10 Oct 2018 6:44

Instrument :
 BNA_G
 ClientSampled :
 S-30

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.1	115.7
141	35.3	27.0	40.4

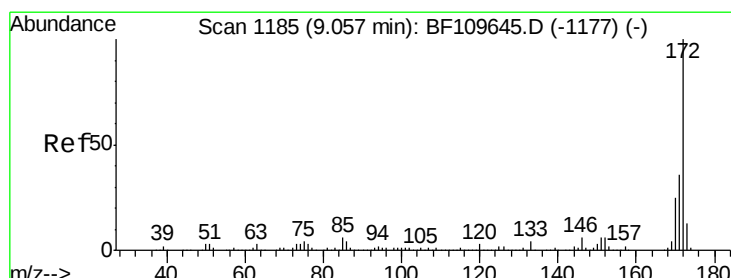
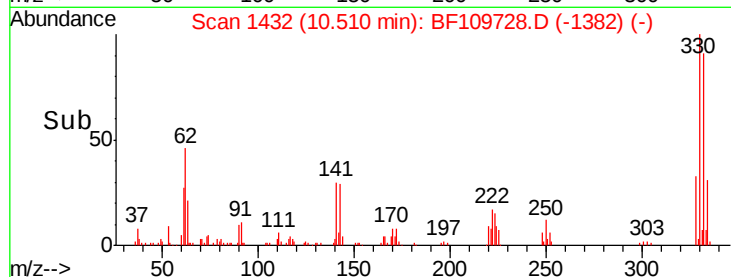
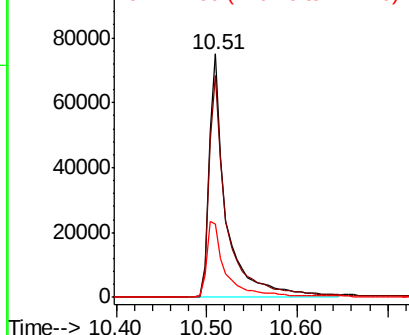


Abundance

Ion 329.80 (329.50 to 330.50): E

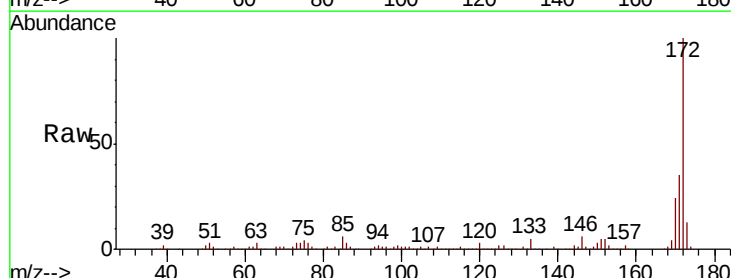
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 76.532 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109728.D
 Acq: 10 Oct 2018 6:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	23.9	19.7	29.5

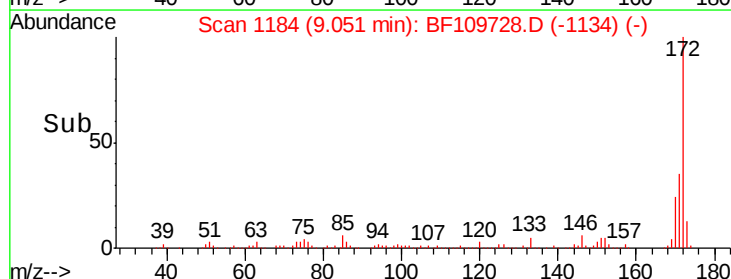
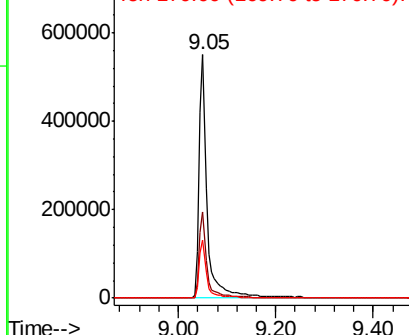


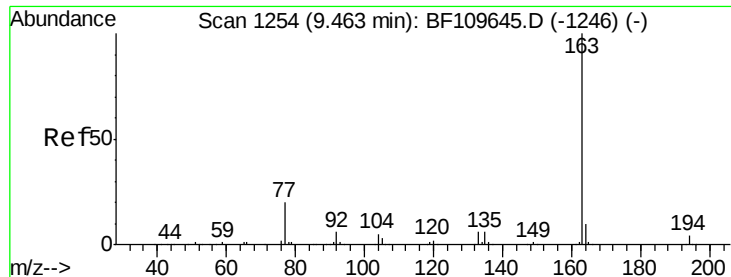
Abundance

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

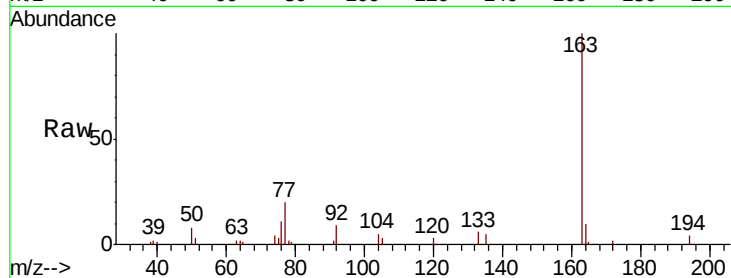




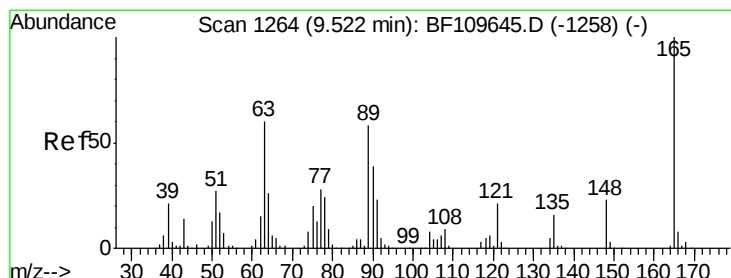
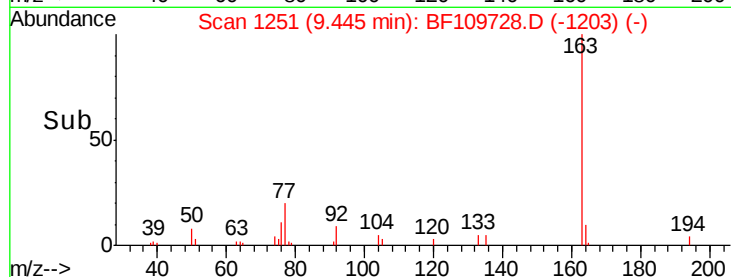
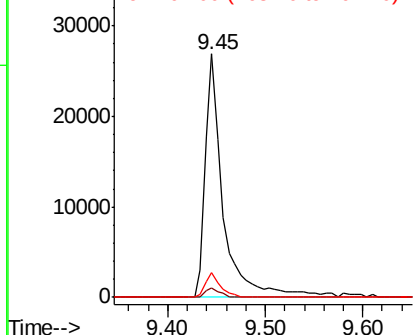
#49
Dimethylphthalate
Concen: 4.049 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109728.D
Acq: 10 Oct 2018 6:44

Instrument :
BNA_G
ClientSampleId :
S-30

Tgt Ion:163 Resp: 34369
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 10.2 8.1 12.1

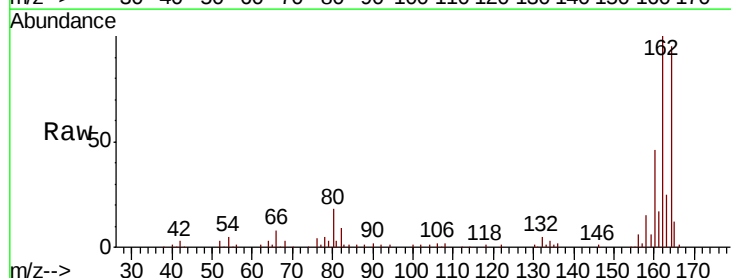


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

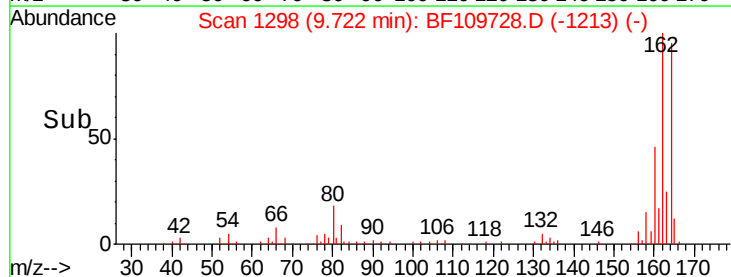
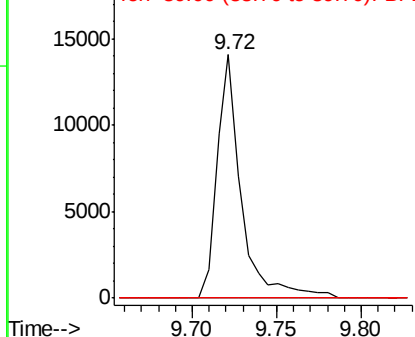


#50
2,6-Dinitrotoluene
Concen: 7.668 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.20 min
Lab File: BF109728.D
Acq: 10 Oct 2018 6:44

Tgt Ion:165 Resp: 14108
Ion Ratio Lower Upper
165 100
63 0.0 48.9 73.3#
89 0.0 46.6 69.8#



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

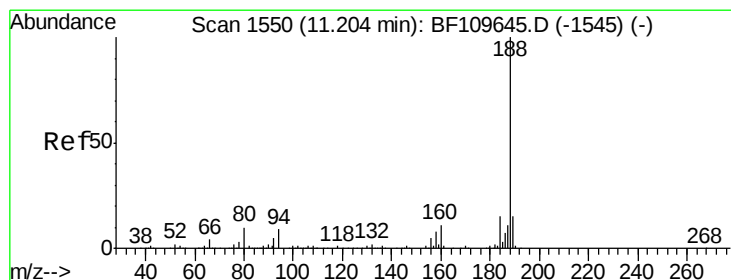
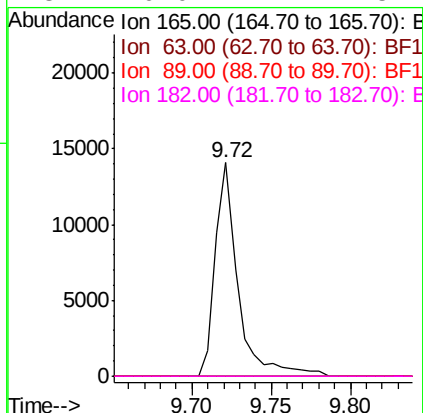
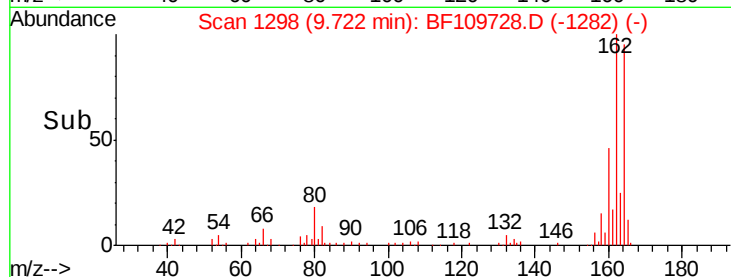
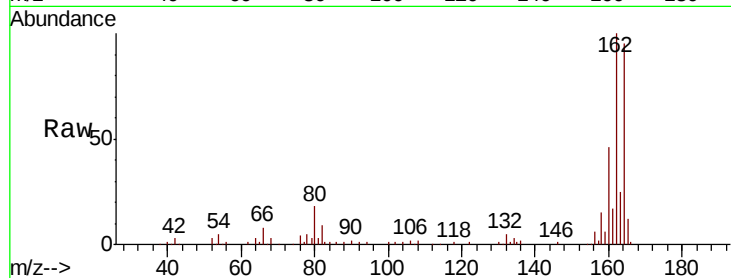




#56
 2,4-Dinitrotoluene
 Concen: 6.145 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.21 min
 Lab File: BF109728.D
 Acq: 10 Oct 2018 6:44

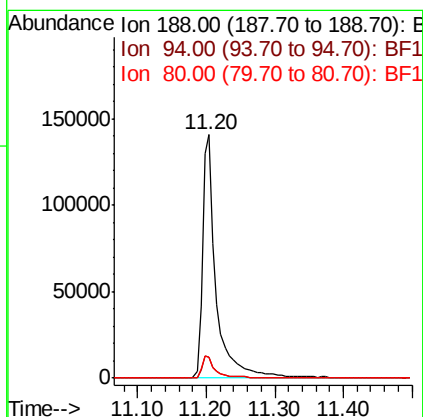
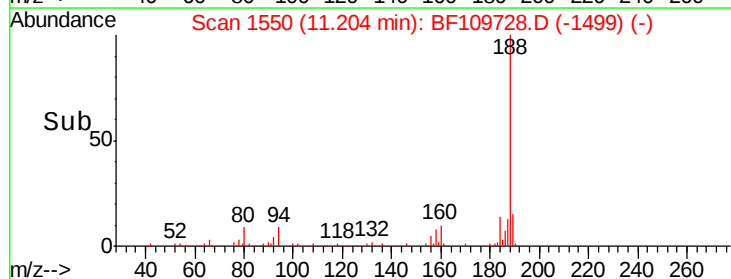
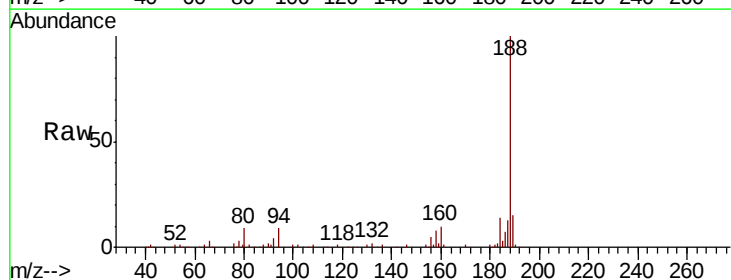
Instrument :
 BNA_G
 ClientSampleId :
 S-30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. -0.00 min
 Lab File: BF109728.D
 Acq: 10 Oct 2018 6:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.2	10.8
80	8.6	7.9	11.9

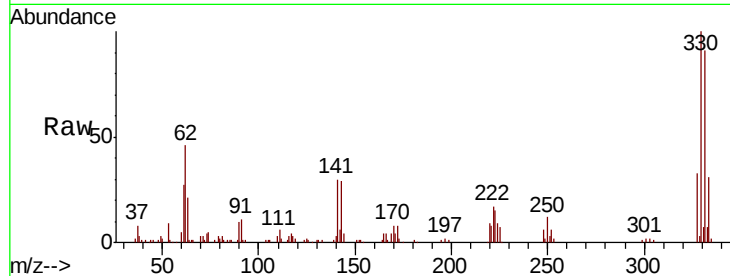




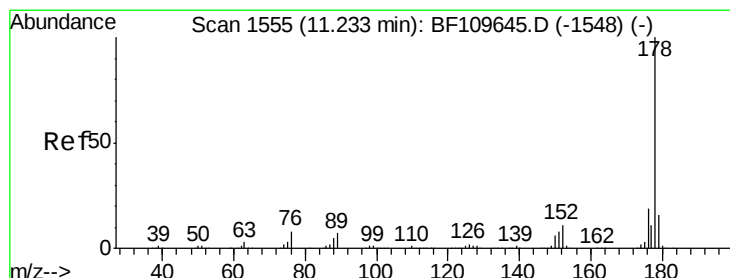
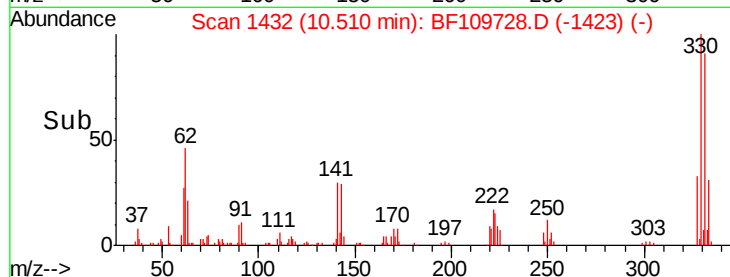
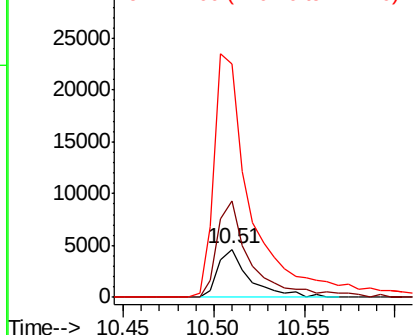
#66
 4-Bromophenyl-phenylether
 Concen: 2.487 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF109728.D
 Acq: 10 Oct 2018 6:44

Instrument :
 BNA_G
 ClientSampleId :
 S-30

Tgt Ion: 248 Resp: 5650
 Ion Ratio Lower Upper
 248 100
 250 202.0 79.4 119.2#
 141 489.0 55.9 83.9#

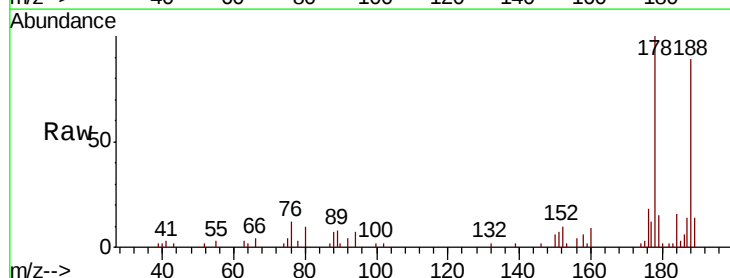


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

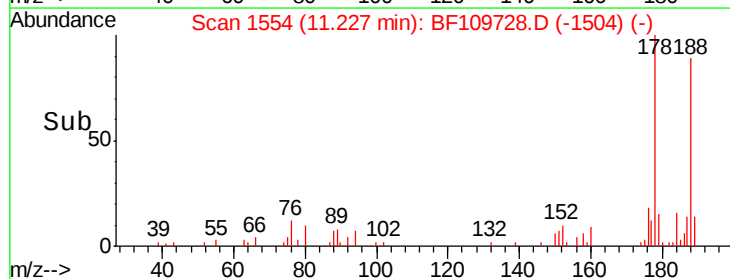
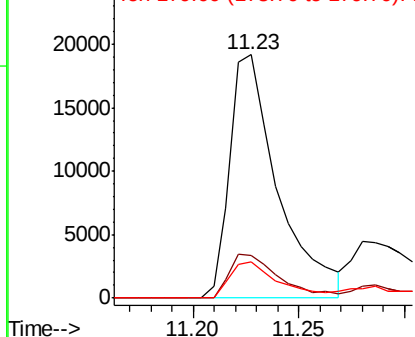


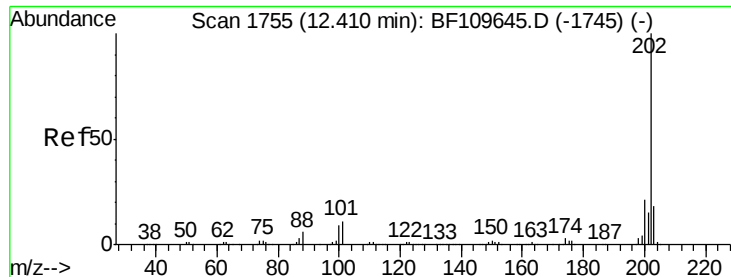
#70
 Phenanthrene
 Concen: 3.059 ng
 RT: 11.23 min Scan# 1554
 Delta R.T. -0.01 min
 Lab File: BF109728.D
 Acq: 10 Oct 2018 6:44

Tgt Ion: 178 Resp: 30264
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.5 23.3
 179 15.1 12.5 18.7



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

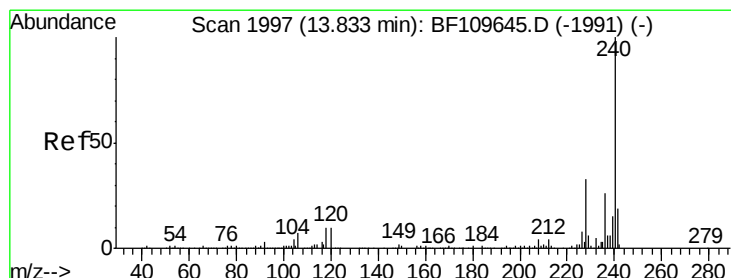
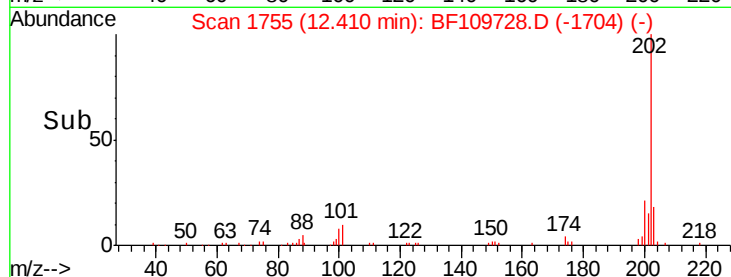
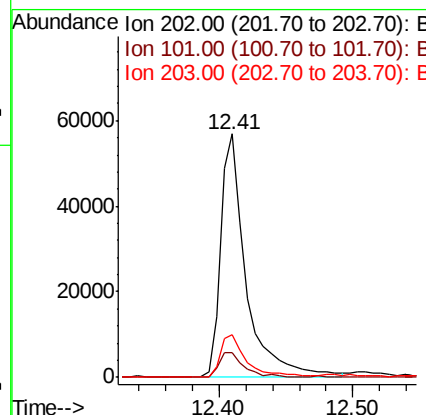
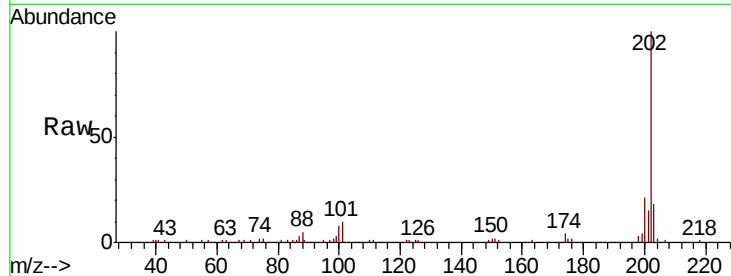




#74
 Fluoranthene
 Concen: 7.398 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: BF109728.D
 Acq: 10 Oct 2018 6:44

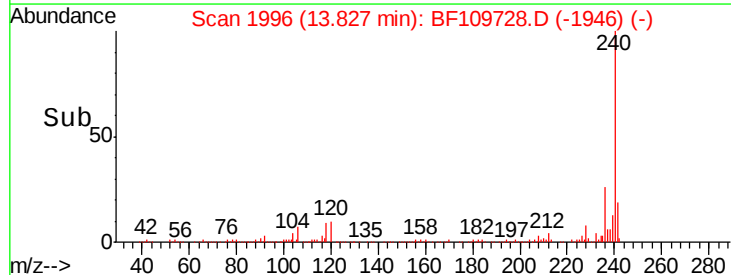
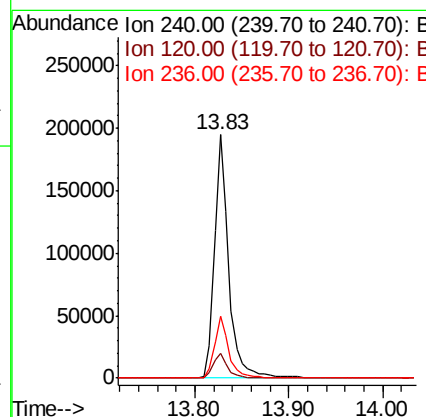
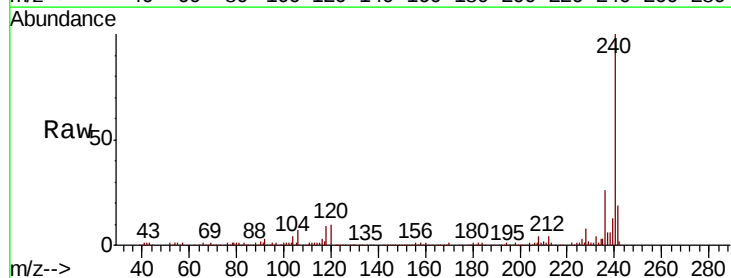
Instrument :
 BNA_G
 ClientSampleId :
 S-30

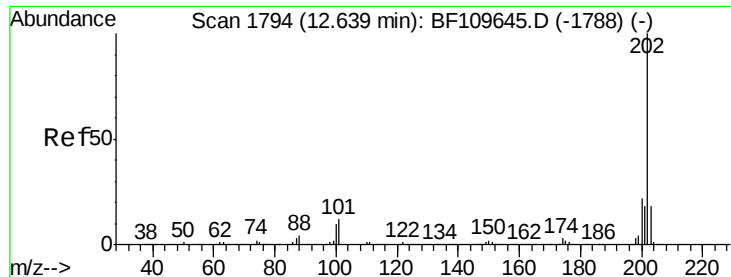
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	31.4
203	17.7	0.0	37.7



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF109728.D
 Acq: 10 Oct 2018 6:44

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.3	12.5
236	25.5	21.2	31.8

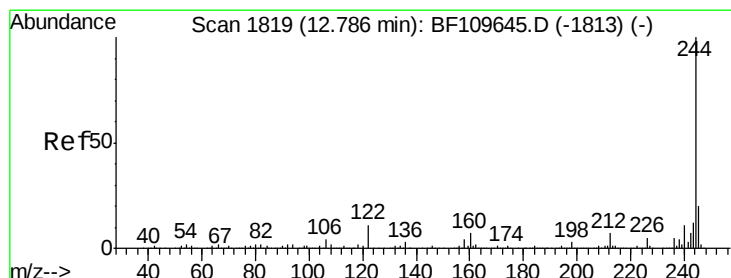
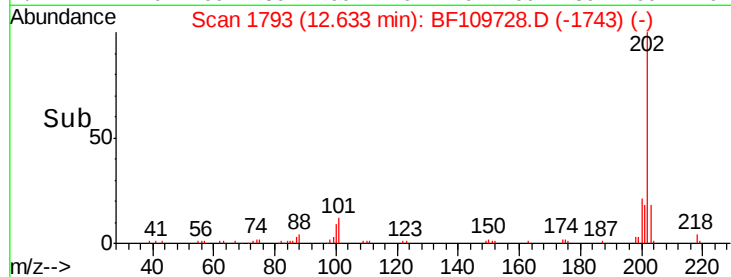
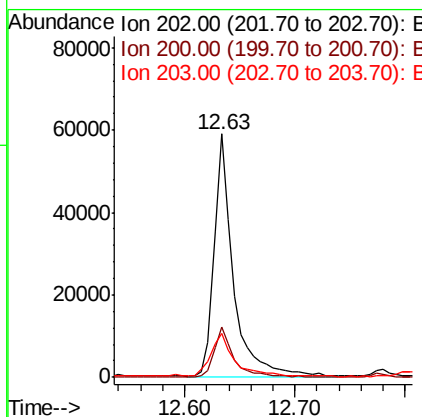
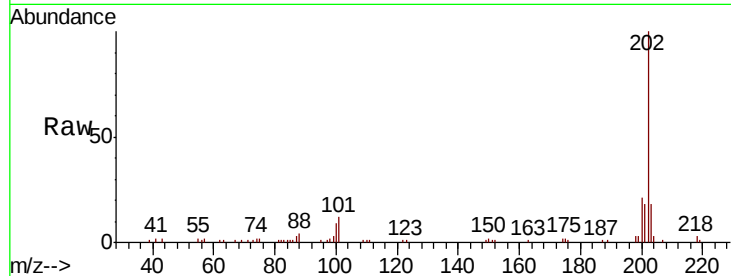




#77
 Pyrene
 Concen: 4.725 ng
 RT: 12.63 min Scan# 1793
 Delta R.T. -0.01 min
 Lab File: BF109728.D
 Acq: 10 Oct 2018 6:44

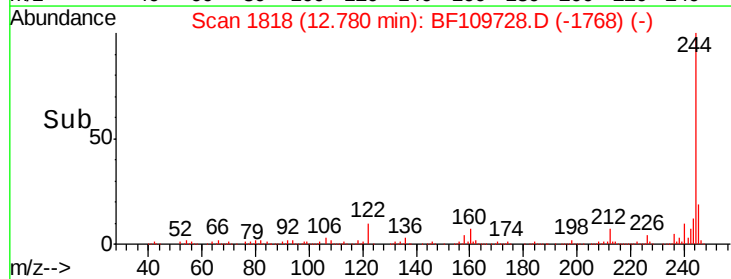
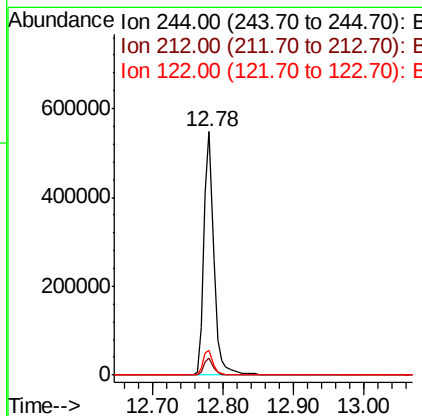
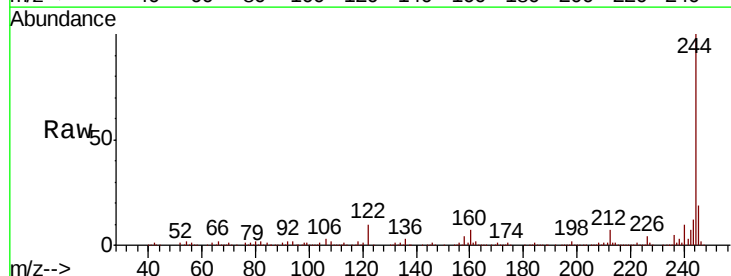
Instrument :
 BNA_G
 ClientSampleId :
 S-30

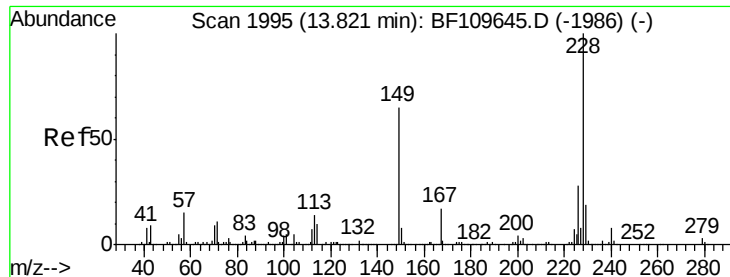
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.8	26.6
203	18.3	14.2	21.4



#78
 Terphenyl-d14
 Concen: 50.027 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF109728.D
 Acq: 10 Oct 2018 6:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	10.0	8.7	13.1

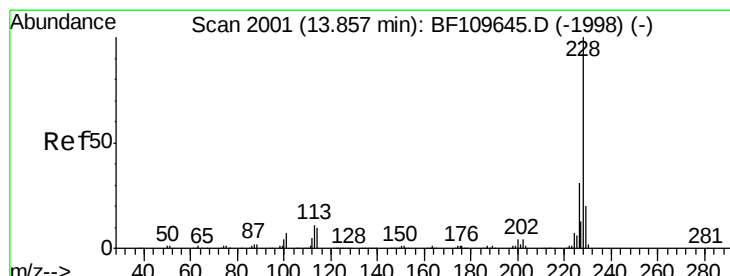
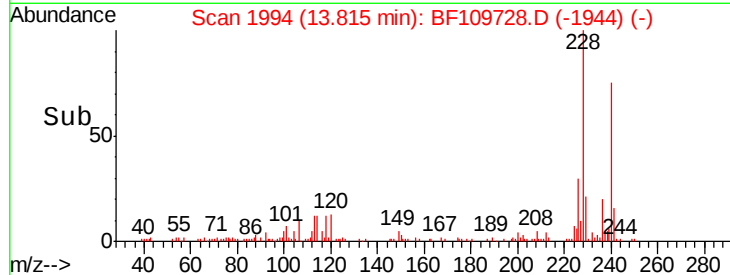
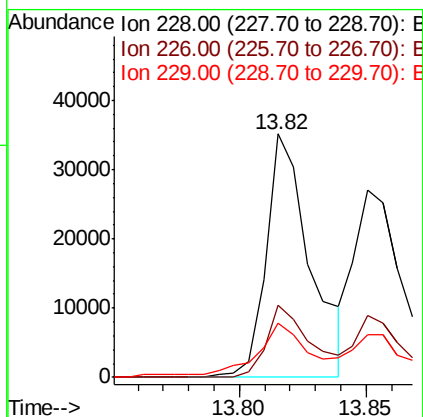
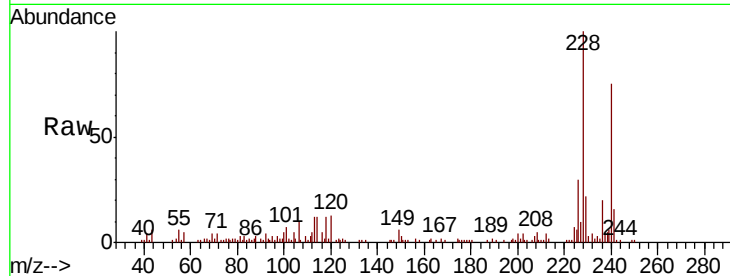




#80
Benzo(a)anthracene
Concen: 3.689 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF109728.D
Acq: 10 Oct 2018 6:44

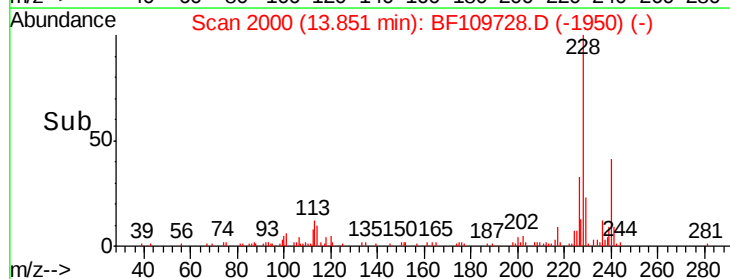
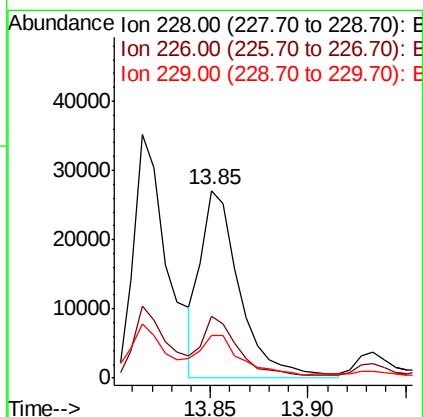
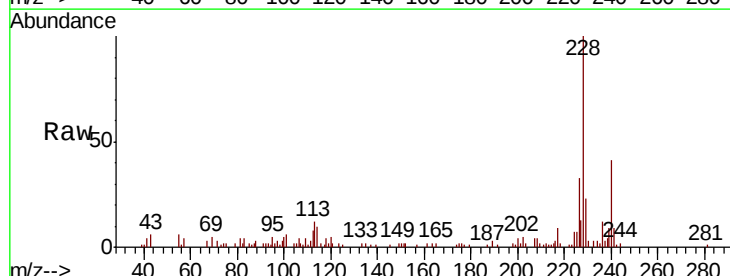
Instrument :
BNA_G
ClientSampleId :
S-30

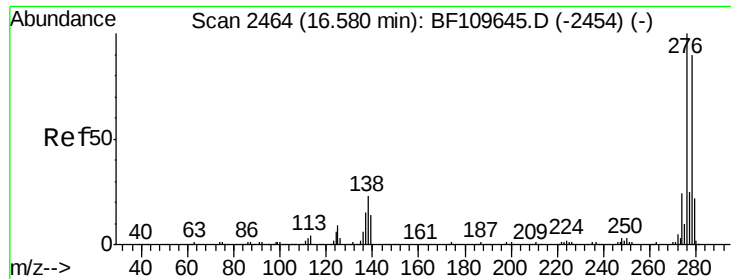
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.1	33.1
229	22.4	15.6	23.4



#82
Chrysene
Concen: 3.138 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF109728.D
Acq: 10 Oct 2018 6:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	24.7	37.1
229	23.0	15.9	23.9

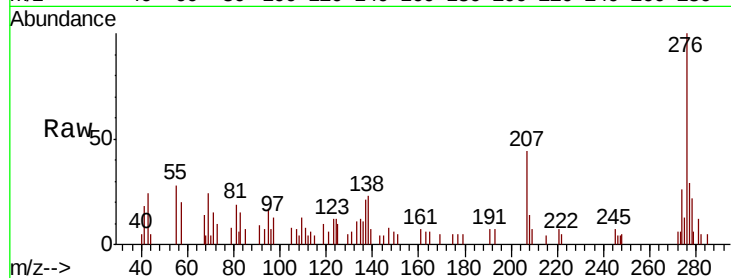




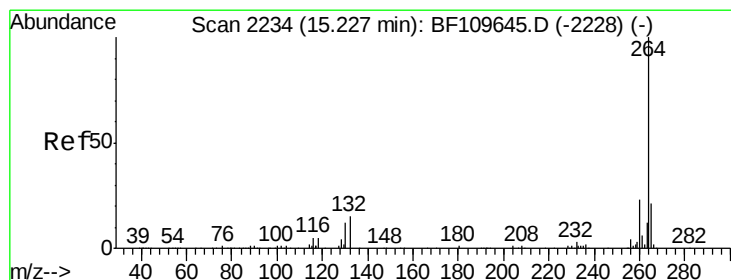
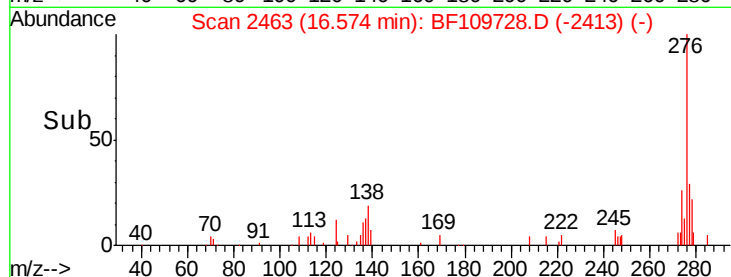
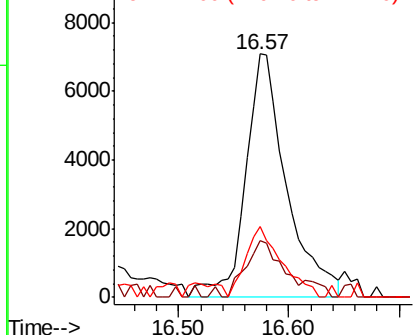
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.123 ng
 RT: 16.57 min Scan# 2463
 Delta R.T. -0.01 min
 Lab File: BF109728.D
 Acq: 10 Oct 2018 6:44

Instrument :
 BNA_G
 ClientSampleId :
 S-30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.4	18.5	27.7
277	25.3	20.0	30.0

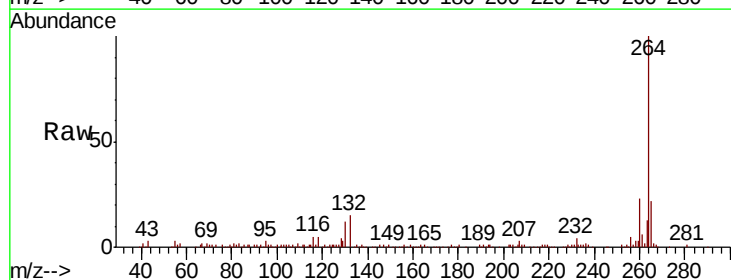


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

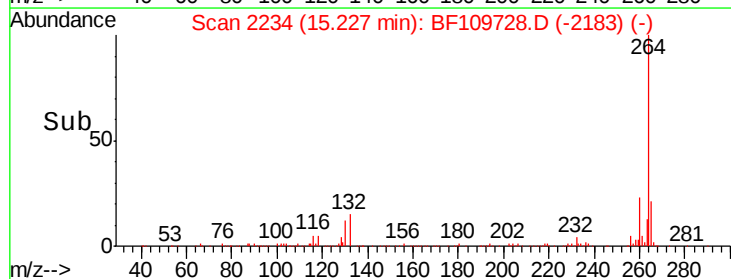
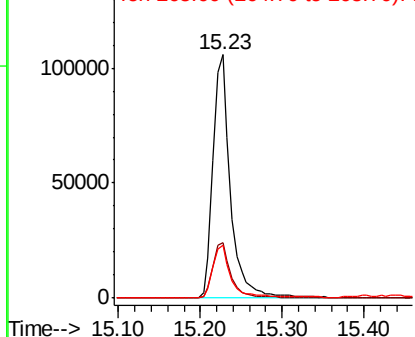


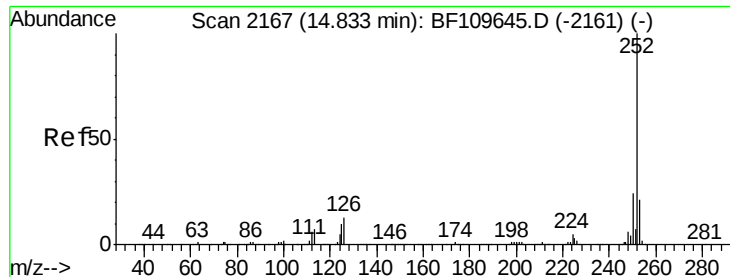
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2234
 Delta R.T. -0.00 min
 Lab File: BF109728.D
 Acq: 10 Oct 2018 6:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.6	16.7	25.1



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

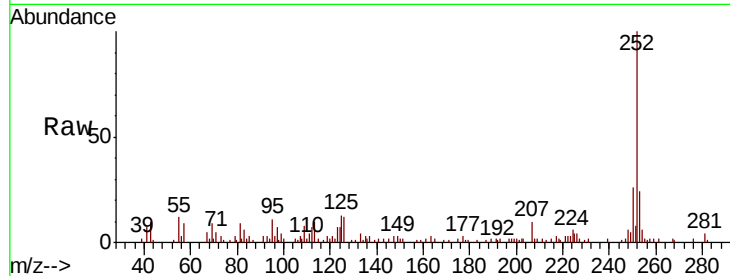




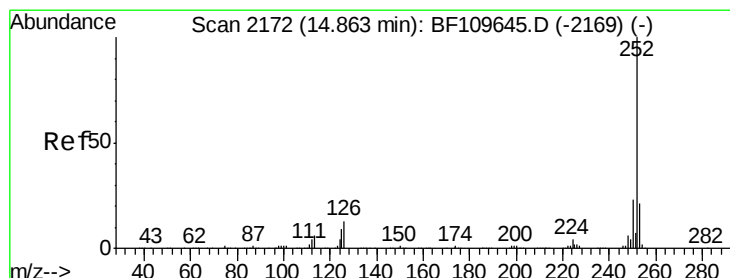
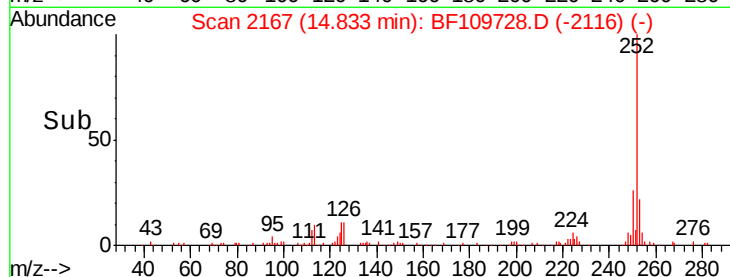
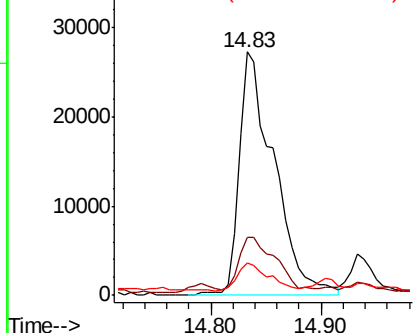
#87
Benzo(b)fluoranthene
Concen: 6.889 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BF109728.D
Acq: 10 Oct 2018 6:44

Instrument :
BNA_G
ClientSampleId :
S-30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.2	25.8
125	13.5	8.2	12.4

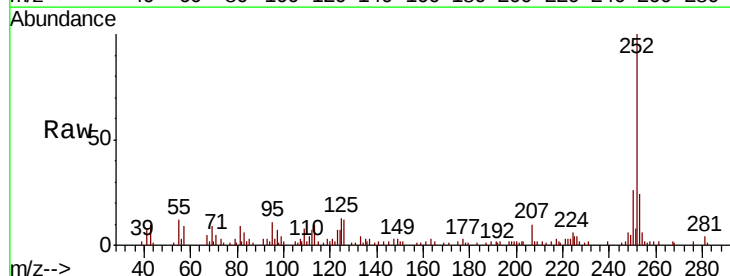


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

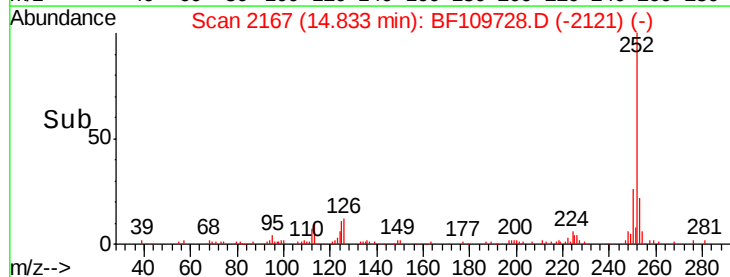
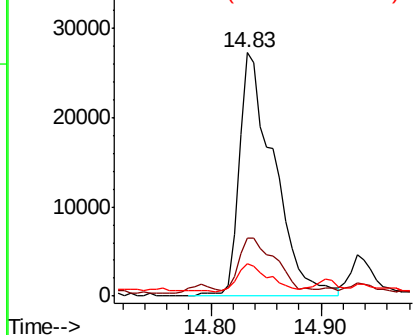


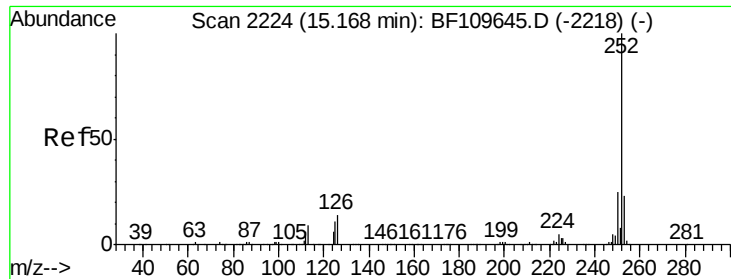
#88
Benzo(k)fluoranthene
Concen: 6.856 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.03 min
Lab File: BF109728.D
Acq: 10 Oct 2018 6:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.2	25.8
125	13.5	7.4	11.0



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(a)pyrene

Concen: 3.968 ng

RT: 15.17 min Scan# 2224

Delta R.T. -0.00 min

Lab File: BF109728.D

Acq: 10 Oct 2018 6:44

Instrument :

BNA_G

ClientSampleId :

S-30

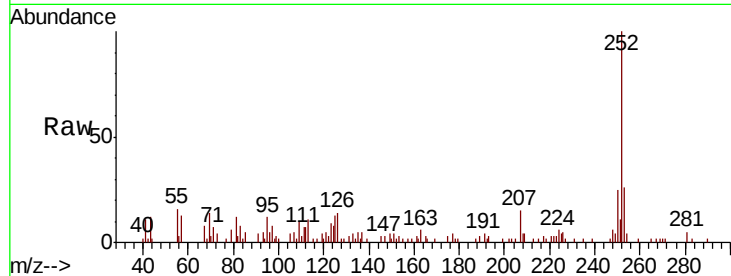
Tgt Ion: 252 Resp: 31534

Ion Ratio Lower Upper

252 100

253 25.7 18.2 27.4

125 12.9 9.0 13.6

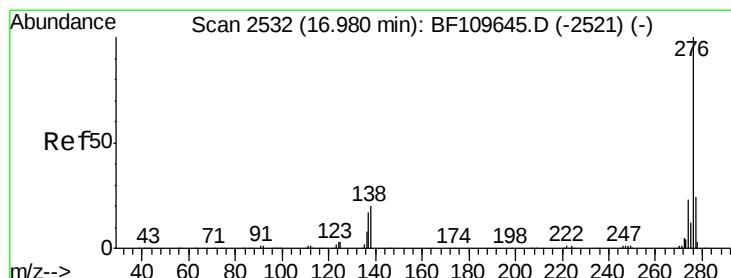
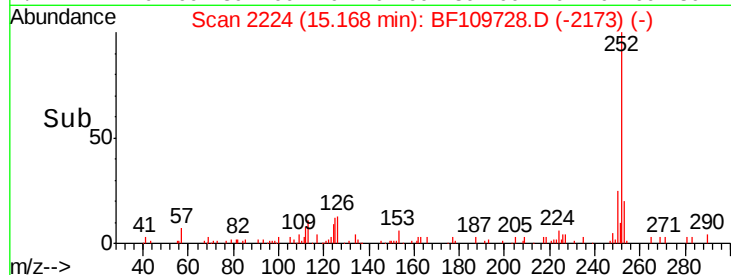
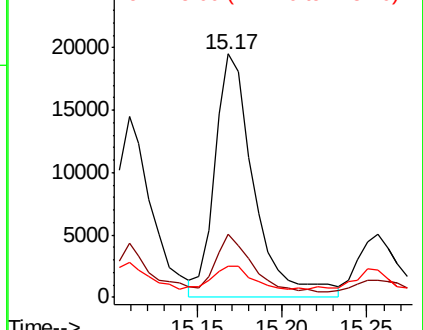


Abundance

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



#91

Benzo(g,h,i)perylene

Concen: 2.672 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.01 min

Lab File: BF109728.D

Acq: 10 Oct 2018 6:44

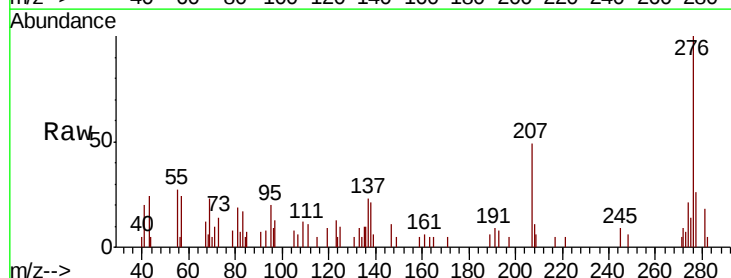
Tgt Ion: 276 Resp: 17414

Ion Ratio Lower Upper

276 100

277 25.8 18.8 28.2

138 20.5 16.0 24.0



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

