

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030618\
 Data File : BF103469.D
 Acq On : 6 Mar 2018 21:29
 Operator : SJ/JU
 Sample : J1722-13 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 07 00:14:54 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 06 11:52:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	125705	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	536349	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	215409	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	331433	20.00	ng	0.00
75) Chrysene-d12	14.06	240	217302	20.00	ng	0.00
86) Perylene-d12	15.57	264	165847	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	464037	55.83	ng	0.00
7) Phenol-d6	6.51	99	626456	61.60	ng	0.00
23) Nitrobenzene-d5	7.44	82	360507	38.39	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	63045	34.58	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	508781	34.70	ng	0.00
78) Terphenyl-d14	12.99	244	344669	38.13	ng	-0.01

Target Compounds

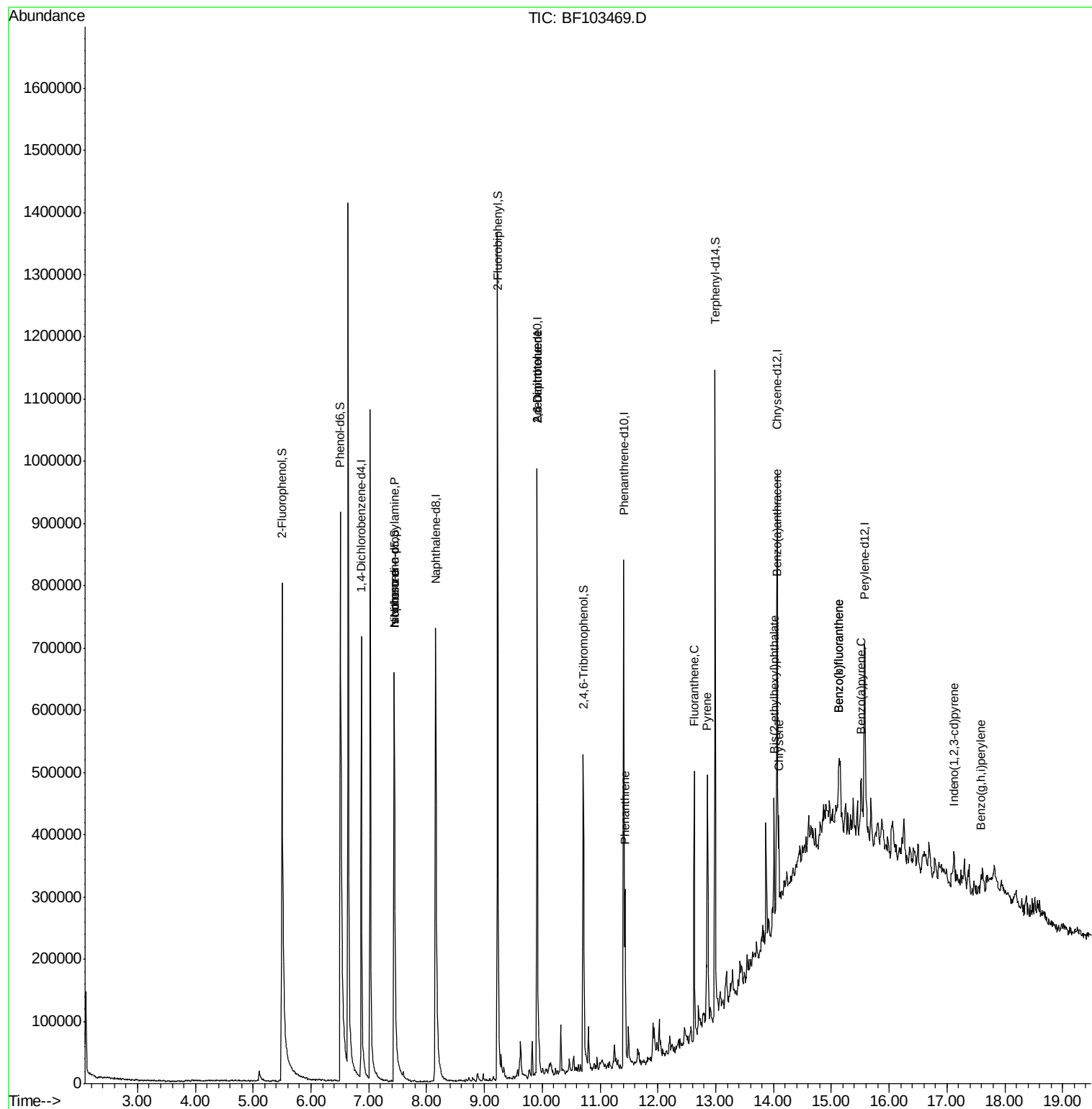
						Qvalue
9) Benzaldehyde	6.51	77	897	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.44	70	46834	7.399 ng	#	87
25) Isophorone	7.44	82	360507	19.490 ng	#	64
50) 2,6-Dinitrotoluene	9.91	165	27546	7.596 ng	#	26
56) 2,4-Dinitrotoluene	9.91	165	27788	6.059 ng	#	24
70) Phenanthrene	11.43	178	100329	5.501 ng		98
74) Fluoranthene	12.63	202	169467	9.246 ng		99
77) Pyrene	12.86	202	168209	9.928 ng		99
80) Benzo(a)anthracene	14.05	228	72146	5.117 ng		98
82) Chrysene	14.09	228	65669	4.797 ng		97
83) Bis(2-ethylhexyl)phthalate	14.01	149	47318	3.917 ng		98
85) Indeno(1,2,3-cd)pyrene	17.12	276	23619	2.179 ng		99
87) Benzo(b)fluoranthene	15.13	252	86369	7.921 ng	#	88
88) Benzo(k)fluoranthene	15.13	252	86369	8.411 ng	#	91
89) Benzo(a)pyrene	15.52	252	42400	4.354 ng	#	88
91) Benzo(g,h,i)perylene	17.59	276	22855	3.108 ng	#	84

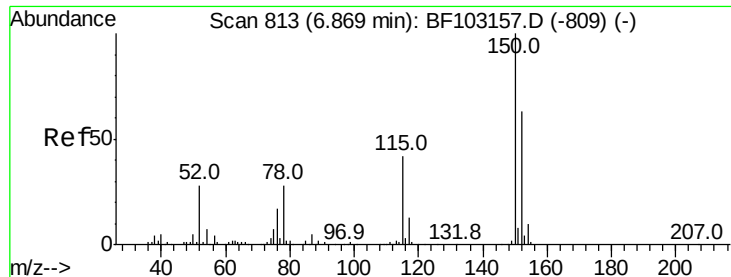
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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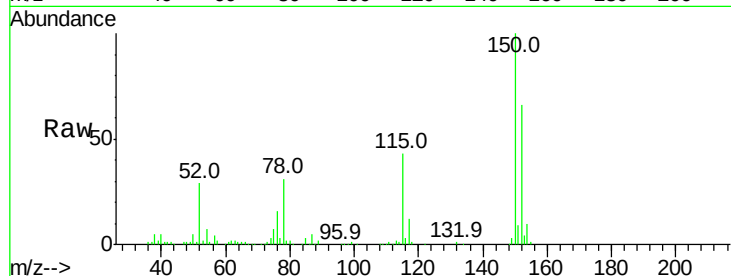


#1

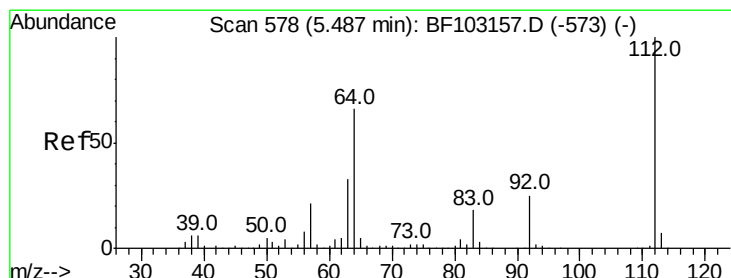
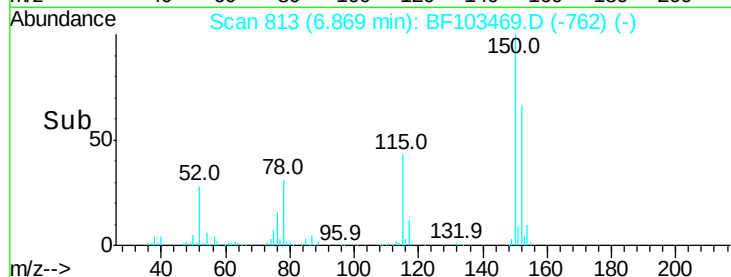
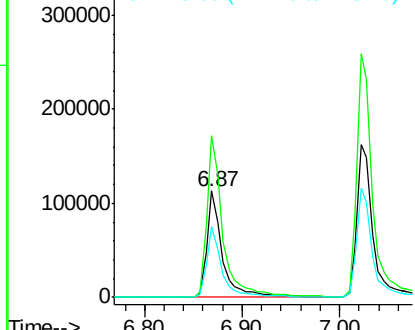
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103469.D
Acq: 6 Mar 2018 21:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 125705
Ion Ratio Lower Upper
152 100
150 152.5 124.6 186.8
115 66.0 50.1 75.1



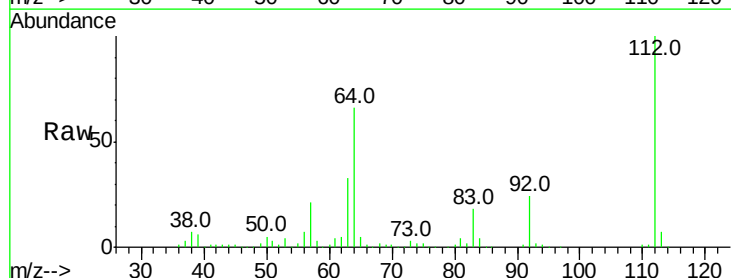
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



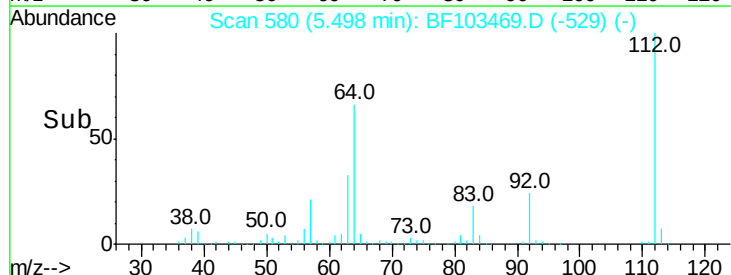
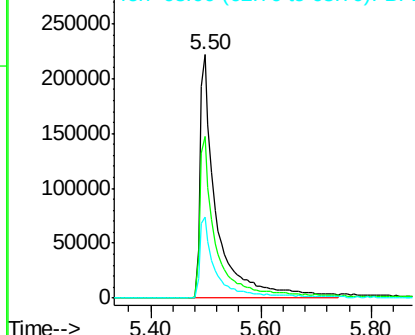
#5

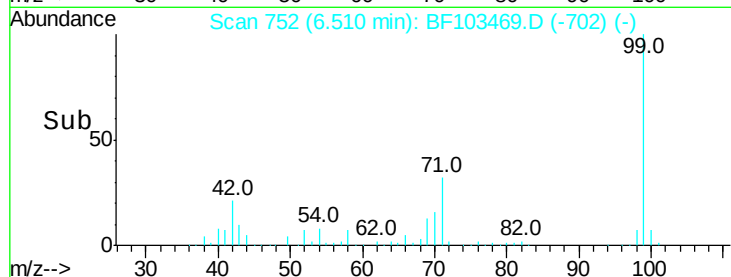
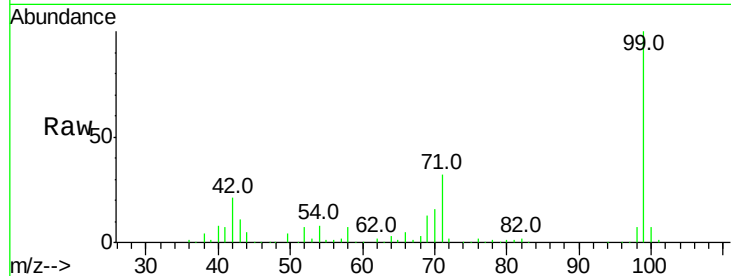
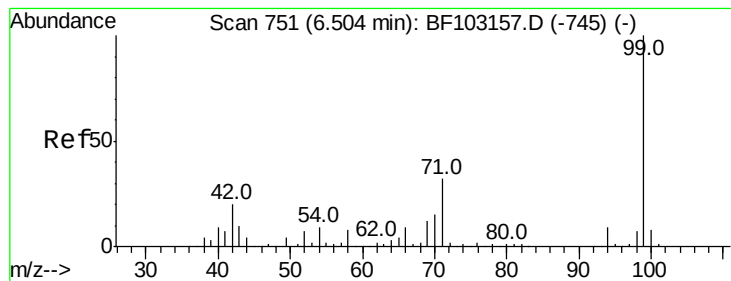
2-Fluorophenol
Concen: 55.831 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF103469.D
Acq: 6 Mar 2018 21:29

Tgt Ion:112 Resp: 464037
Ion Ratio Lower Upper
112 100
64 66.2 47.9 71.9
63 33.5 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: 61.596 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103469.D

Acq: 6 Mar 2018 21:29

Instrument :

BNA_F

ClientSampleId :

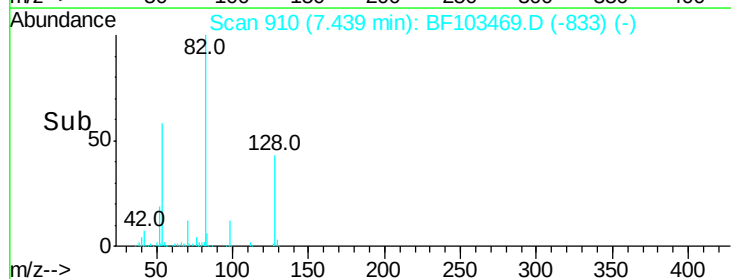
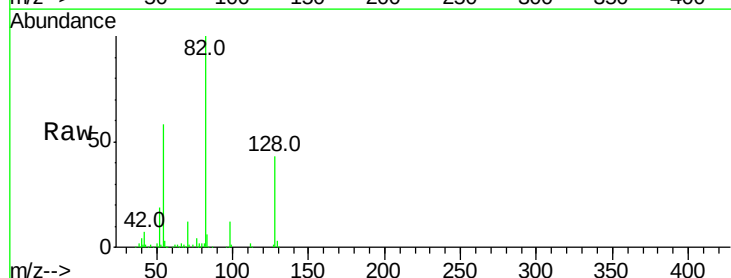
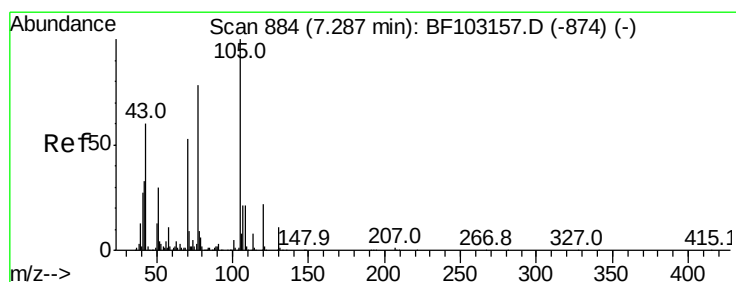
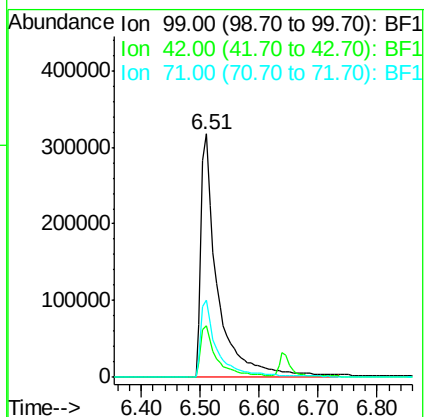
Tot Ion: 99 Resp: 626456

Ion Ratio Lower Upper

99 100

42 21.3 14.5 21.7

71 31.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 7.399 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103469.D

Acq: 6 Mar 2018 21:29

Tgt Ion: 70 Resp: 46834

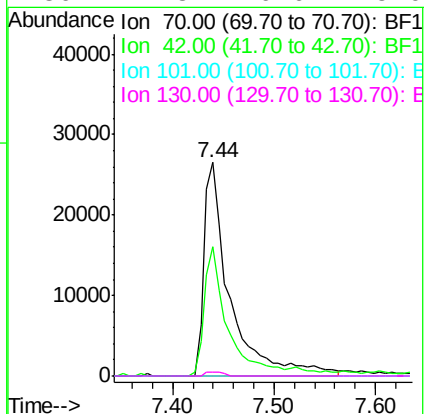
Ion Ratio Lower Upper

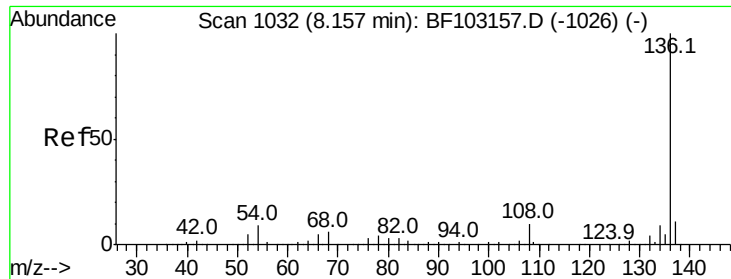
70 100

42 60.7 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

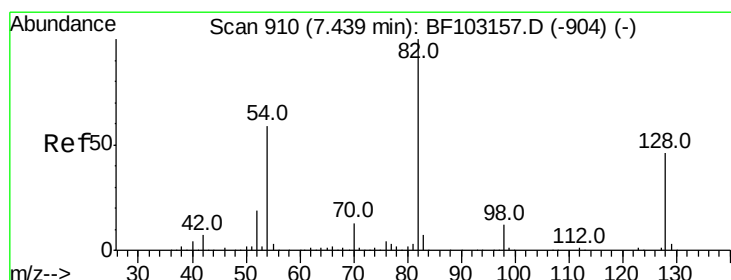
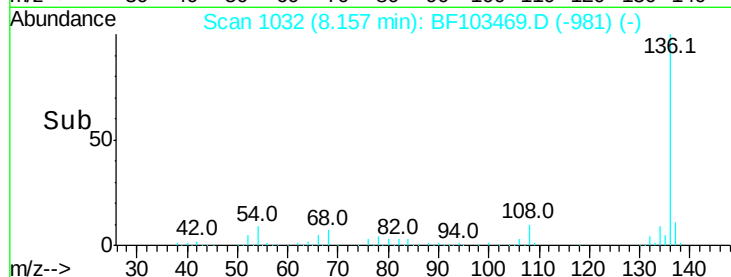
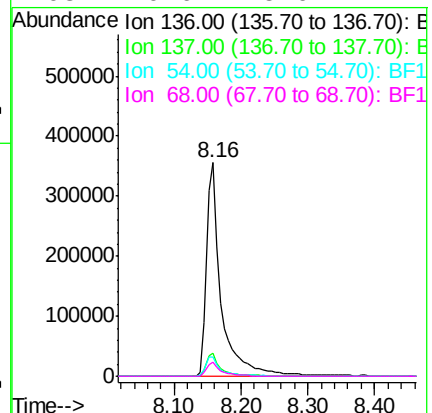
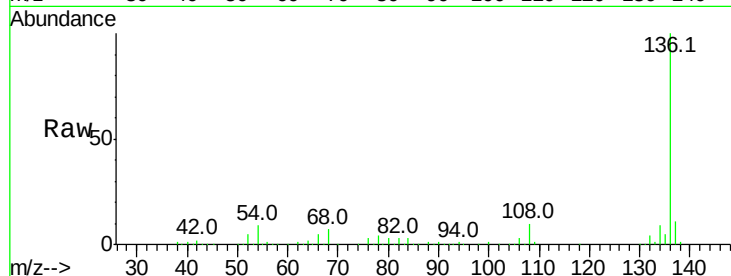




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103469.D
Acq: 6 Mar 2018 21:29

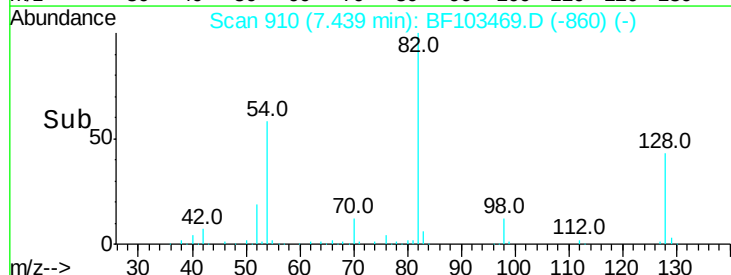
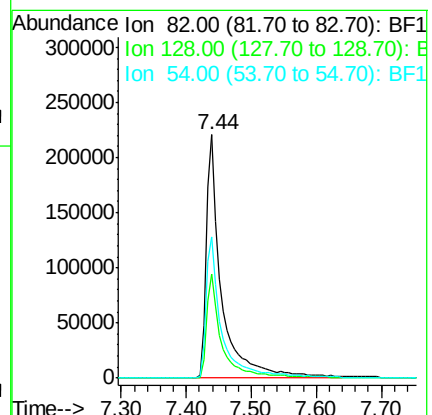
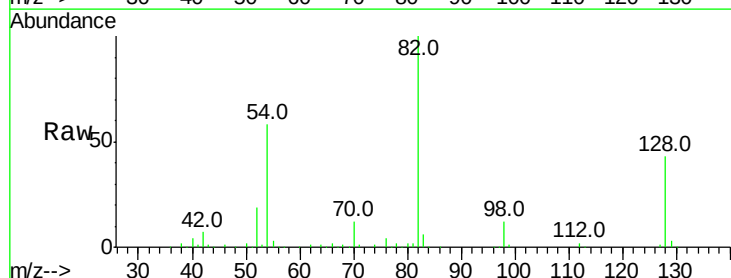
Instrument :
BNA_F
ClientSampled :

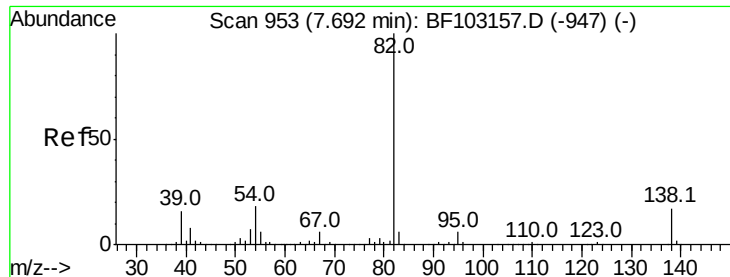
Tot Ion:	136	Resp:	536349
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	9.0	6.6	9.8
68	6.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 38.385 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103469.D
Acq: 6 Mar 2018 21:29

Tgt Ion:	82	Resp:	360507
Ion	Ratio	Lower	Upper
82	100		
128	42.6	36.1	54.1
54	57.7	41.4	62.2





#25

Isophorone

Concen: 19.490 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.25 min

Lab File: BF103469.D

Acq: 6 Mar 2018 21:29

Instrument :

BNA_F

ClientSampled :

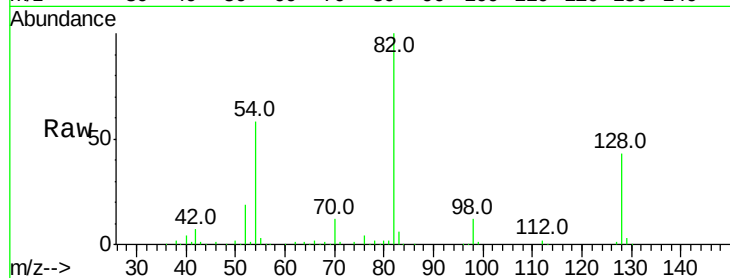
Tot Ion: 82 Resp: 360507

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

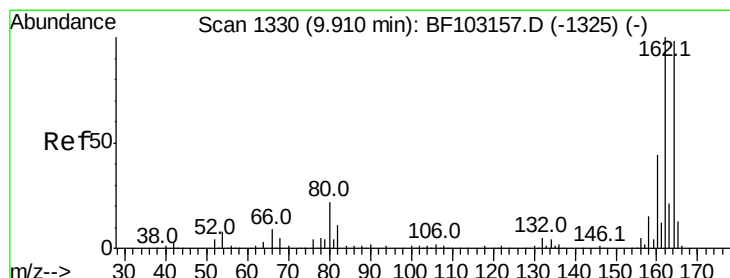
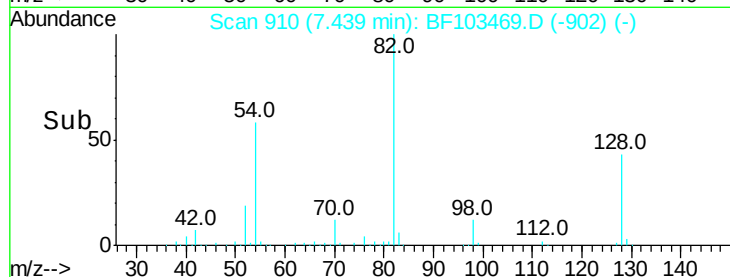
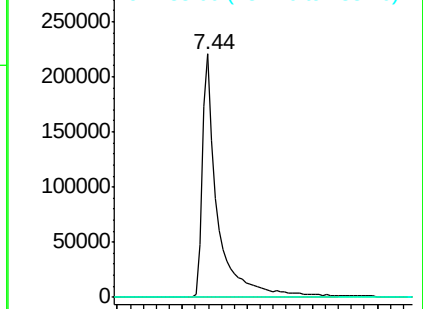
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF103469.D

Acq: 6 Mar 2018 21:29

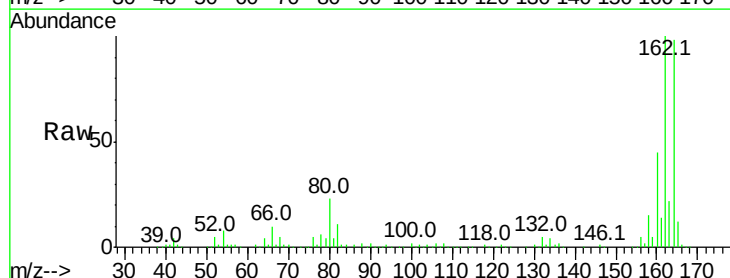
Tgt Ion:164 Resp: 215409

Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

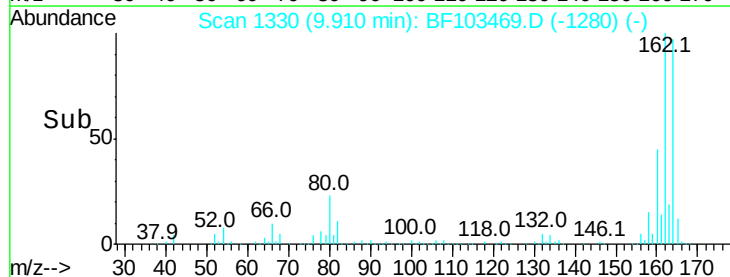
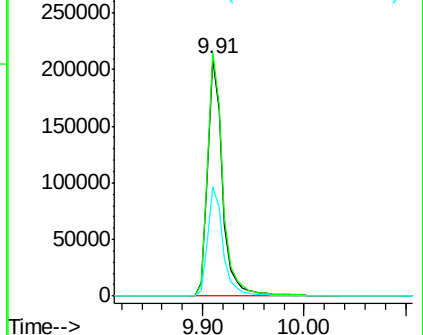
160 45.9 38.3 57.5

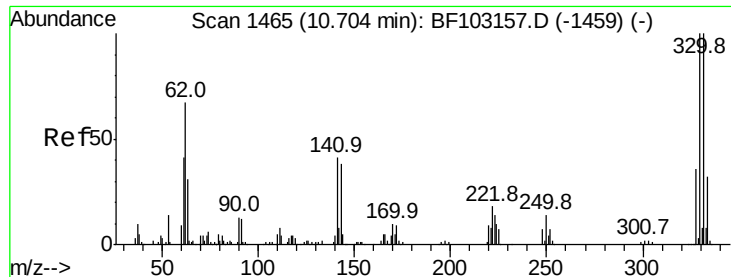


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

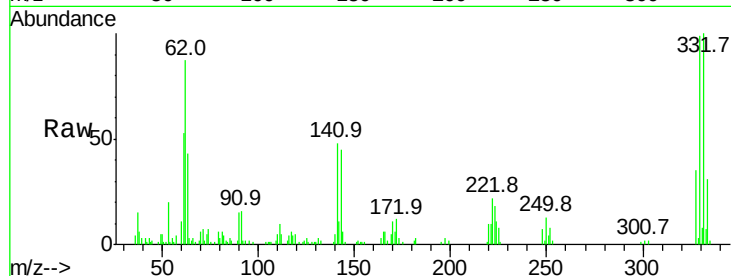




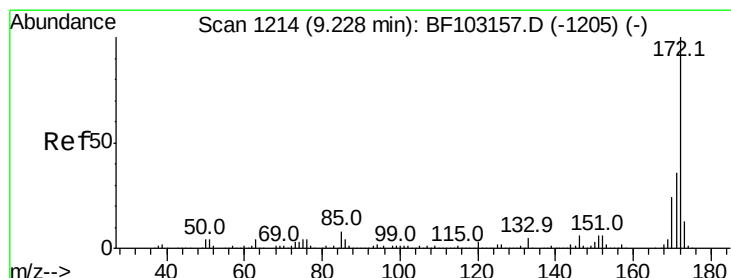
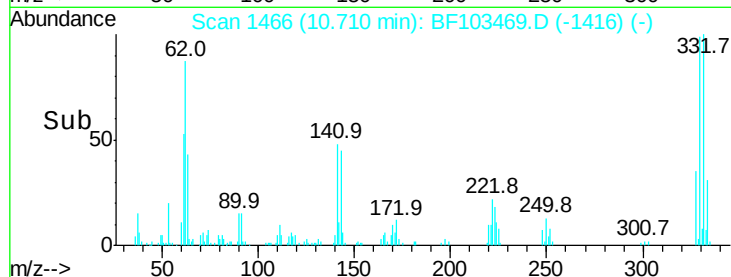
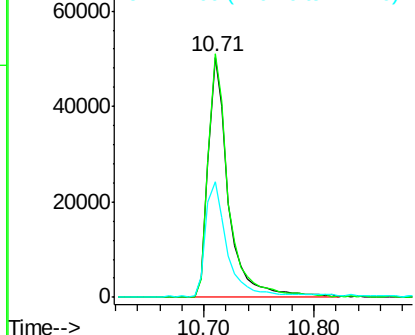
#41
 2,4,6-Tribromophenol
 Concen: 34.577 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103469.D
 Acq: 6 Mar 2018 21:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 63045
 Ion Ratio Lower Upper
 330 100
 332 101.4 77.0 115.6
 141 51.9 29.9 44.9#

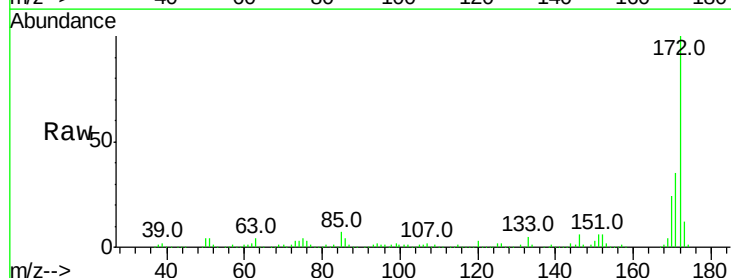


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

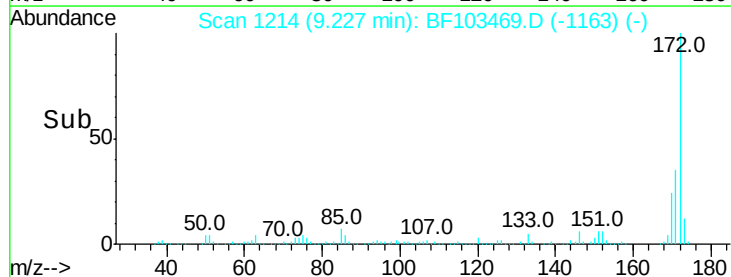
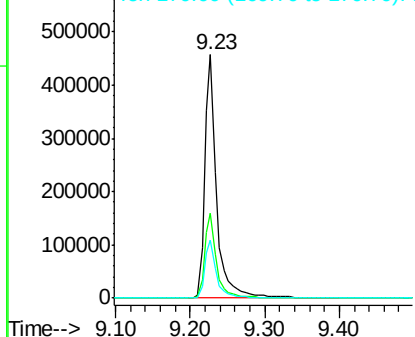


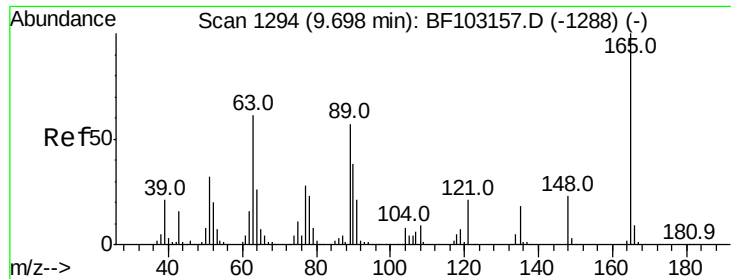
#44
 2-Fluorobiphenyl
 Concen: 34.699 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103469.D
 Acq: 6 Mar 2018 21:29

Tgt Ion:172 Resp: 508781
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.7 44.5
 170 23.9 19.6 29.4



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

2,6-Dinitrotoluene

Concen: 7.596 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.21 min

Lab File: BF103469.D

Acq: 6 Mar 2018 21:29

Instrument :

BNA_F

ClientSampleId :

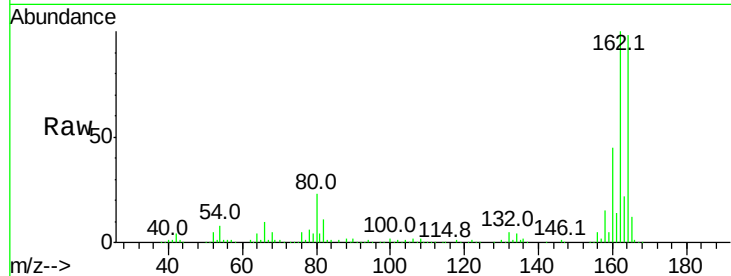
Tot Ion:165 Resp: 27546

Ion Ratio Lower Upper

165 100

63 1.9 44.7 67.1#

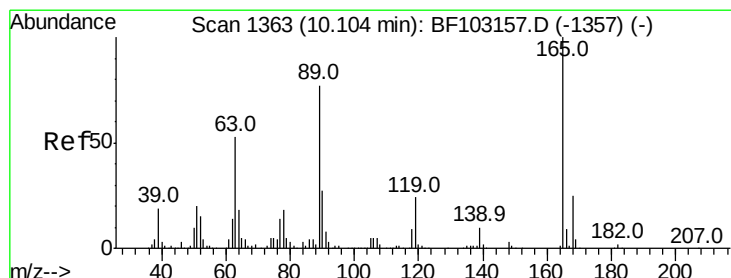
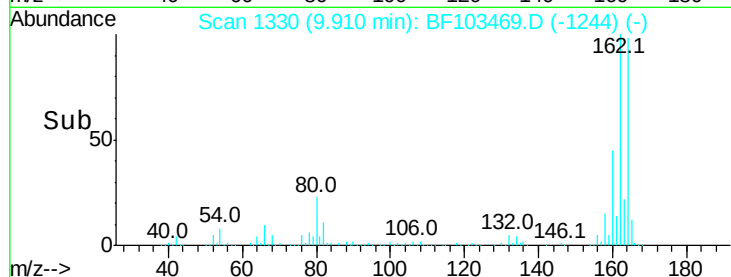
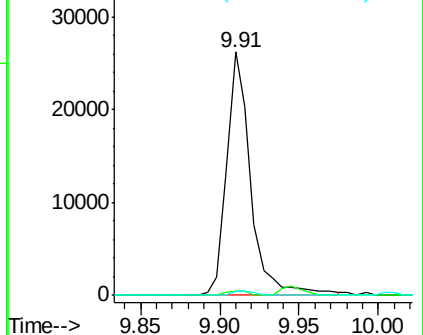
89 2.0 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 6.059 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.21 min

Lab File: BF103469.D

Acq: 6 Mar 2018 21:29

Tgt Ion:165 Resp: 27788

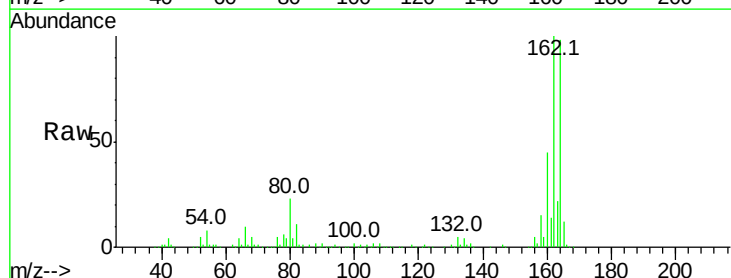
Ion Ratio Lower Upper

165 100

63 1.9 36.4 54.6#

89 2.0 57.8 86.6#

182 0.0 1.6 2.4#

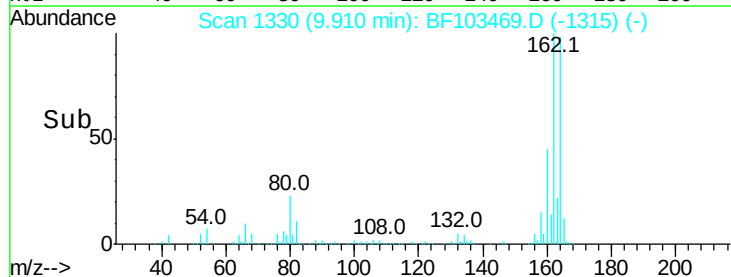
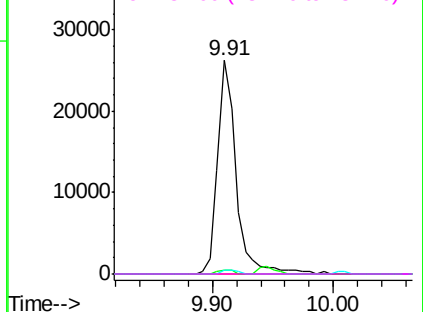


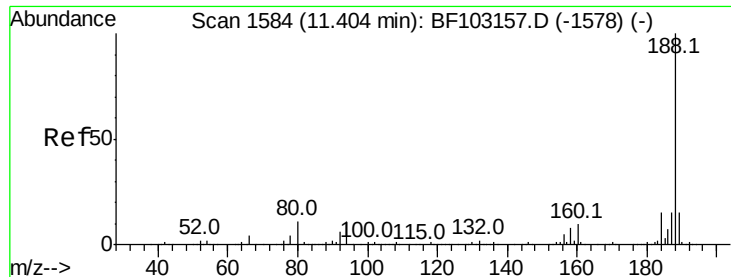
Abundance Ion 165.00 (164.70 to 165.70): E

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

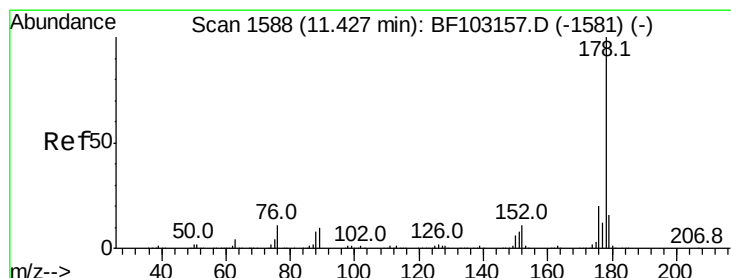
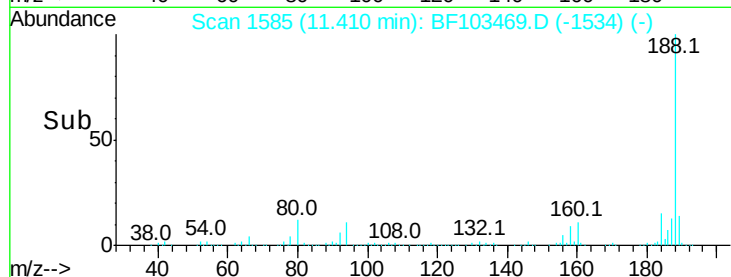
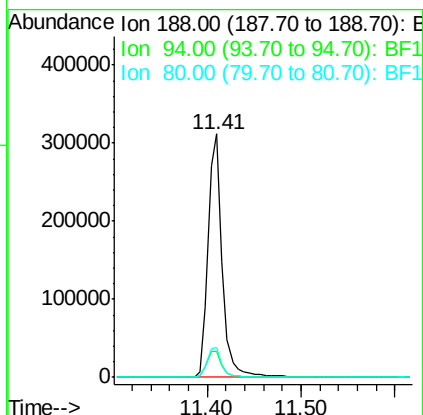
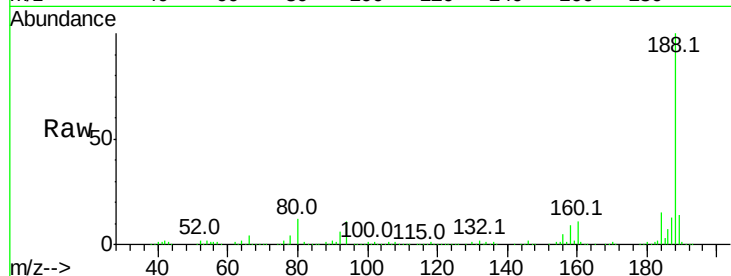




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF103469.D
 Acq: 6 Mar 2018 21:29

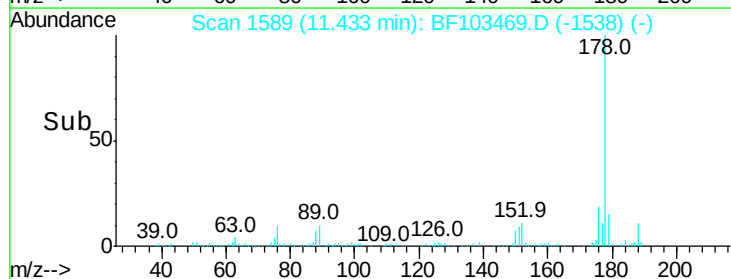
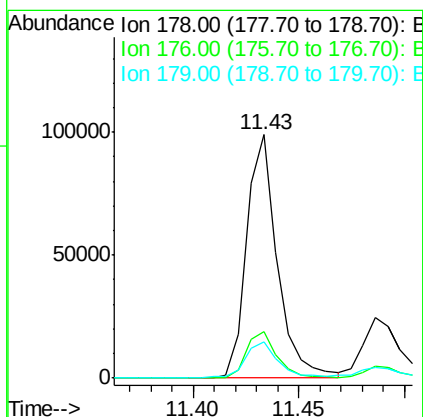
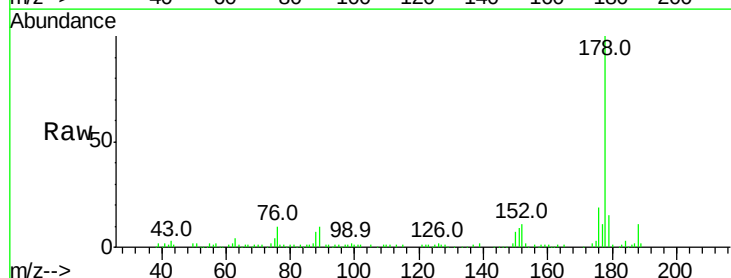
Instrument :
 BNA_F
 ClientSampleId :

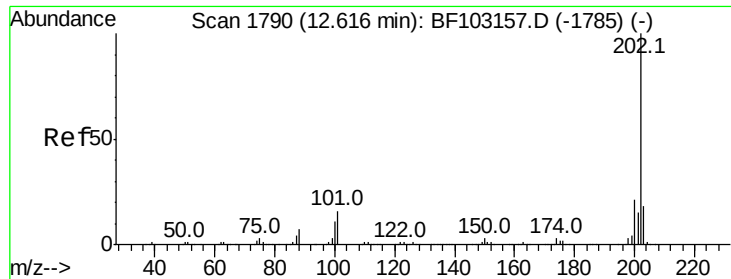
Tot Ion:188 Resp: 331433
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.5 12.7
 80 12.2 9.2 13.8



#70
 Phenanthrene
 Concen: 5.501 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF103469.D
 Acq: 6 Mar 2018 21:29

Tgt Ion:178 Resp: 100329
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.8 23.8
 179 15.1 13.0 19.6





#74

Fluoranthene

Concen: 9.246 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF103469.D

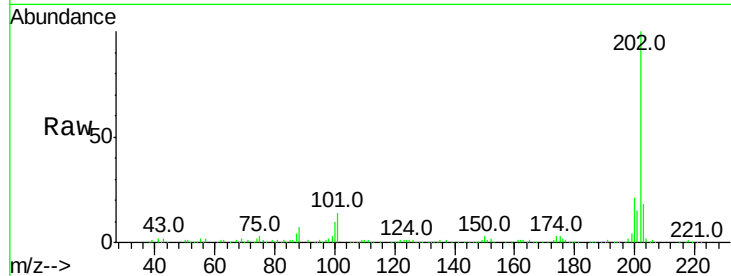
Acq: 6 Mar 2018 21:29

Instrument :

BNA_F

ClientSampled :

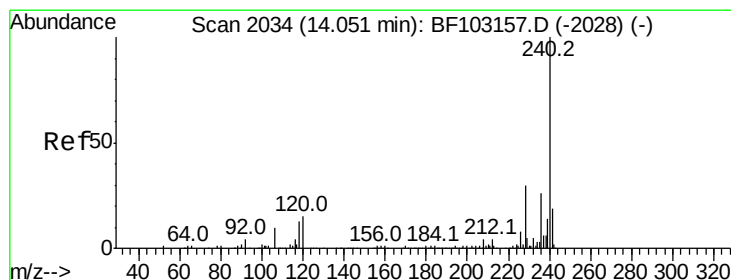
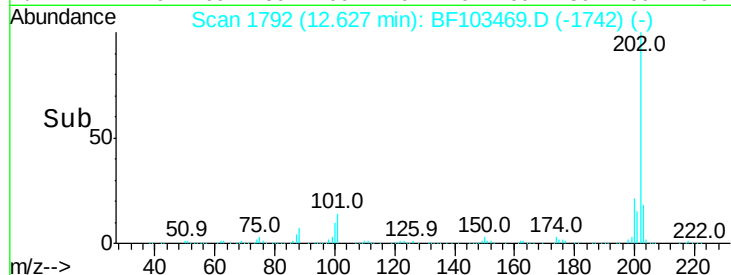
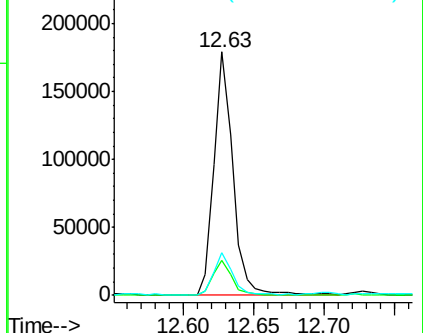
Tot Ion:	202	Resp:	169467
Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	34.1
203	17.5	0.0	38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

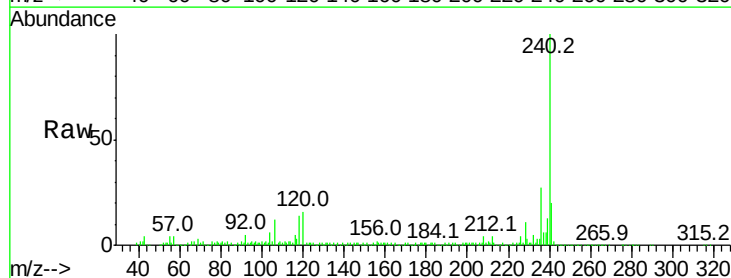
RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103469.D

Acq: 6 Mar 2018 21:29

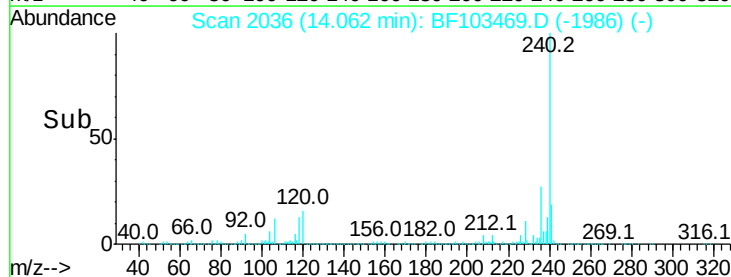
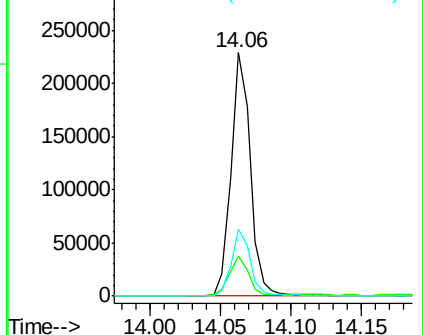
Tgt Ion:	240	Resp:	217302
Ion	Ratio	Lower	Upper
240	100		
120	16.2	9.5	14.3#
236	27.3	20.7	31.1

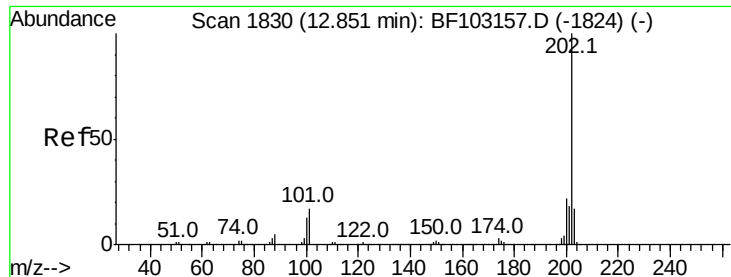


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 9.928 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.01 min

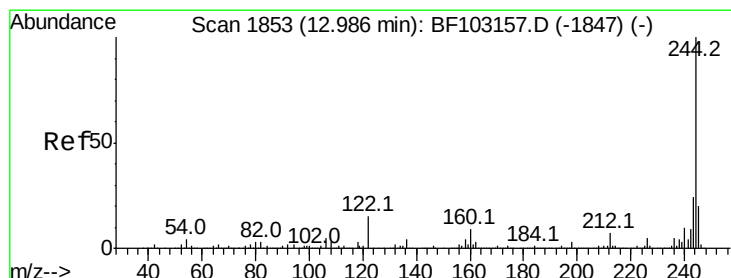
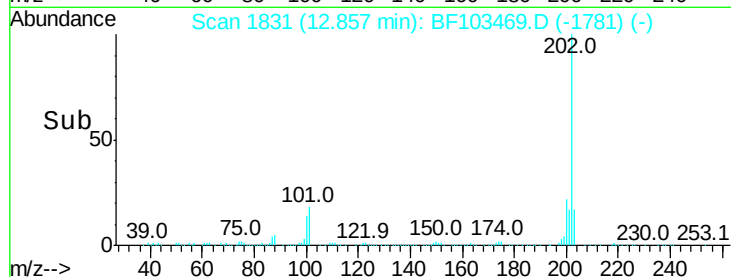
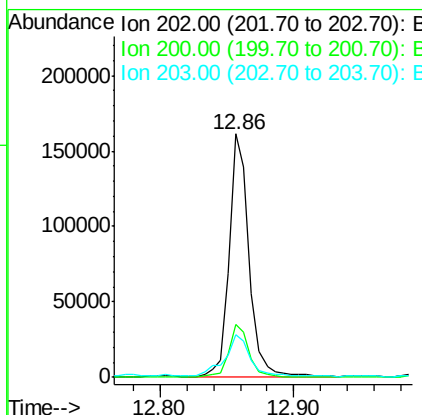
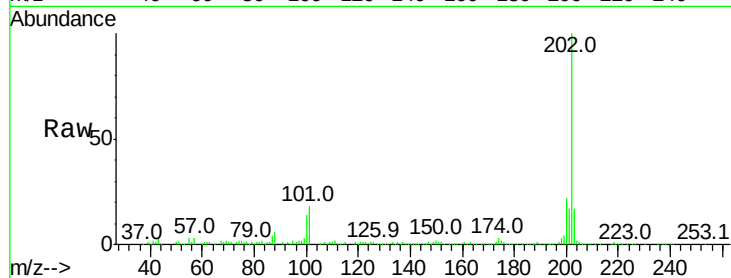
Lab File: BF103469.D

Acq: 6 Mar 2018 21:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 168209

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.5	14.3	21.5



#78

Terphenyl-d14

Concen: 38.128 ng

RT: 12.99 min Scan# 1853

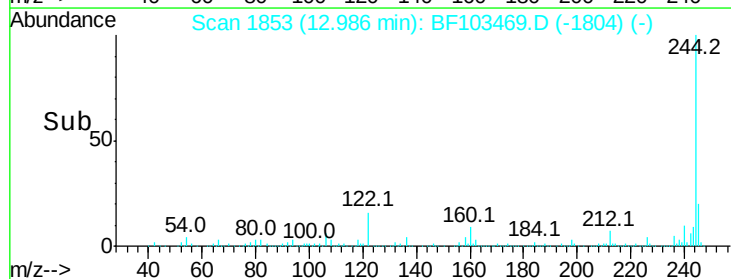
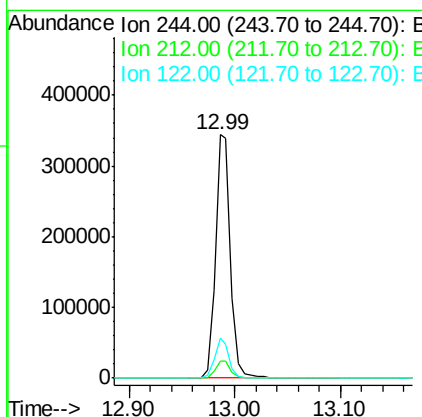
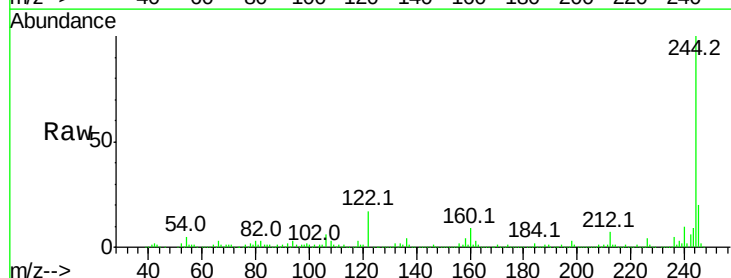
Delta R.T. -0.01 min

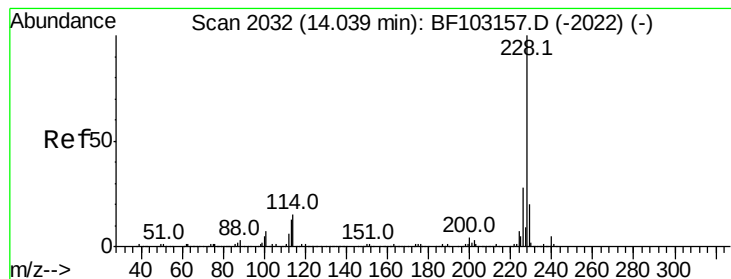
Lab File: BF103469.D

Acq: 6 Mar 2018 21:29

Tgt Ion:244 Resp: 344669

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	16.5	11.0	16.4





#80

Benzo(a)anthracene

Concen: 5.117 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103469.D

Acq: 6 Mar 2018 21:29

Instrument :

BNA_F

ClientSampleId :

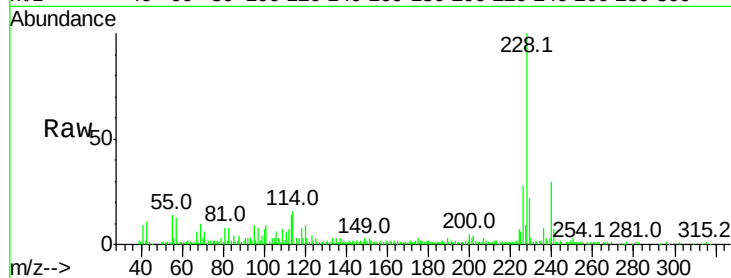
Tot Ion:228 Resp: 72146

Ion Ratio Lower Upper

228 100

226 28.0 22.6 33.8

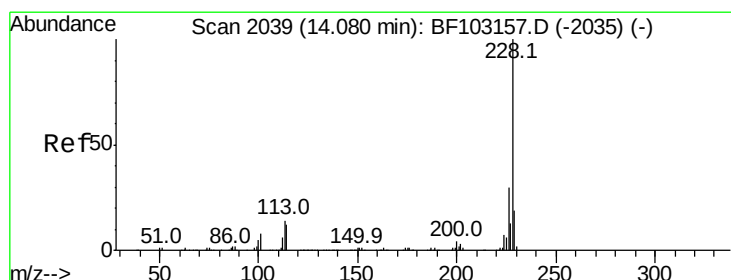
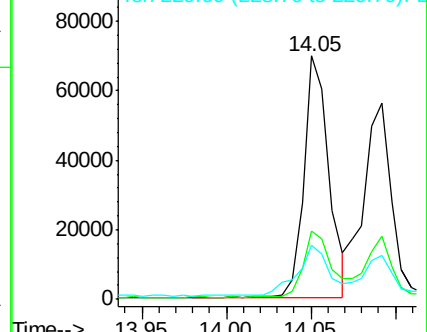
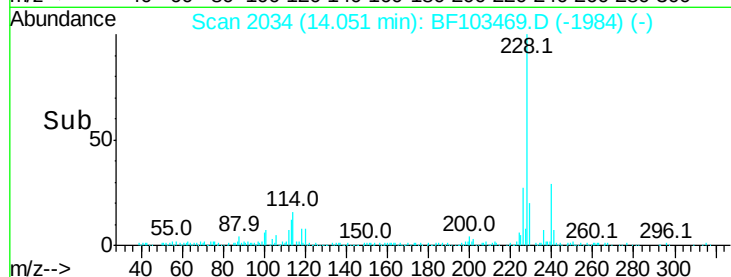
229 22.0 15.8 23.6



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



#82

Chrysene

Concen: 4.797 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF103469.D

Acq: 6 Mar 2018 21:29

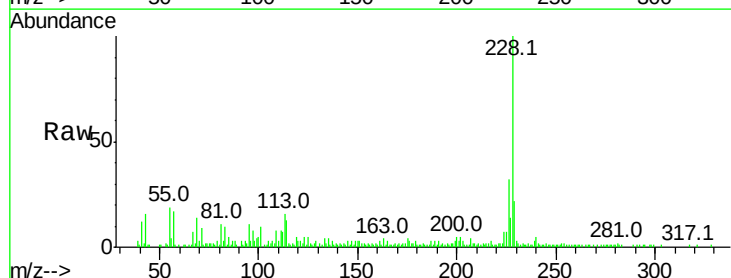
Tgt Ion:228 Resp: 65669

Ion Ratio Lower Upper

228 100

226 32.4 25.0 37.6

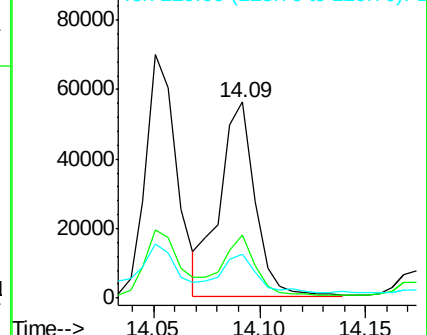
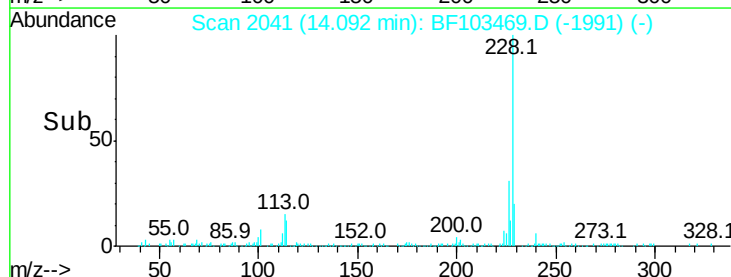
229 22.1 16.2 24.4

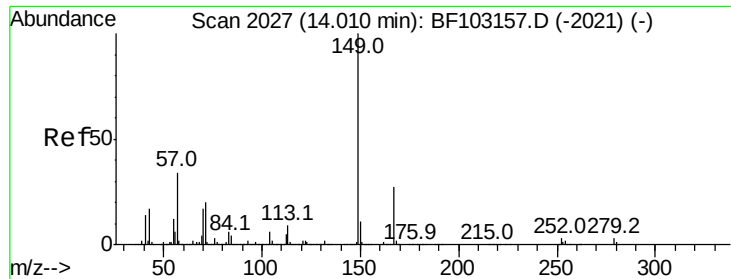


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

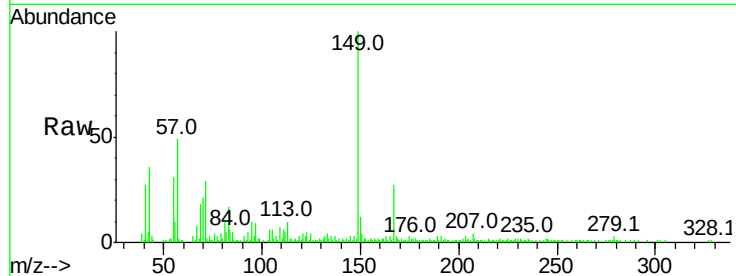




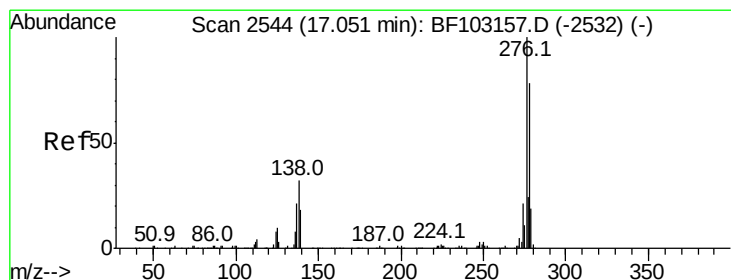
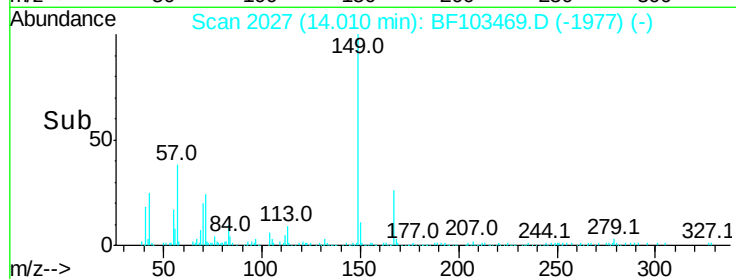
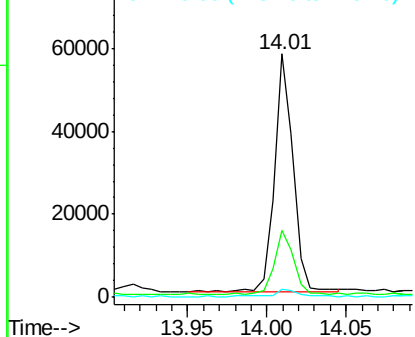
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.917 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF103469.D
 Acq: 6 Mar 2018 21:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.3	31.9
279	3.2	3.0	4.4

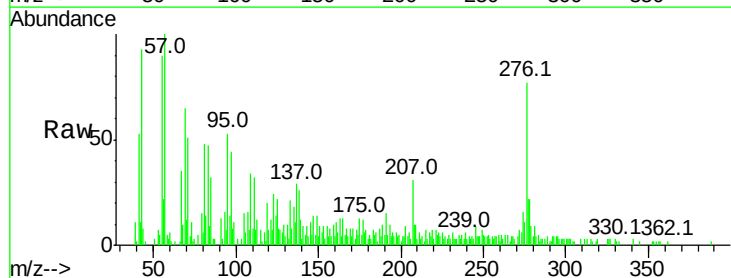


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

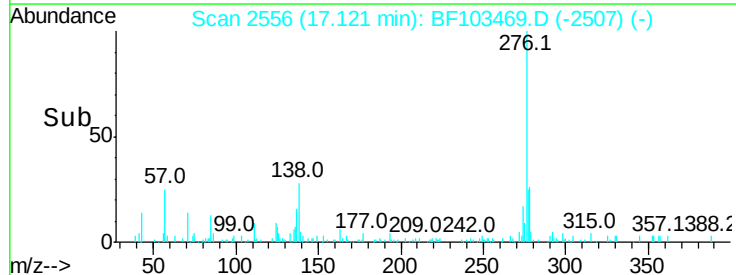
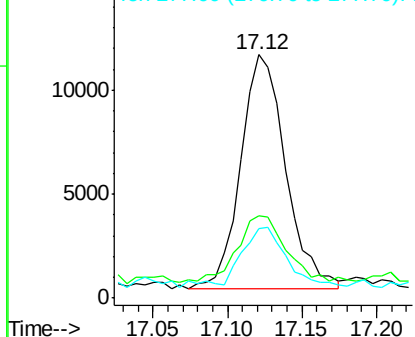


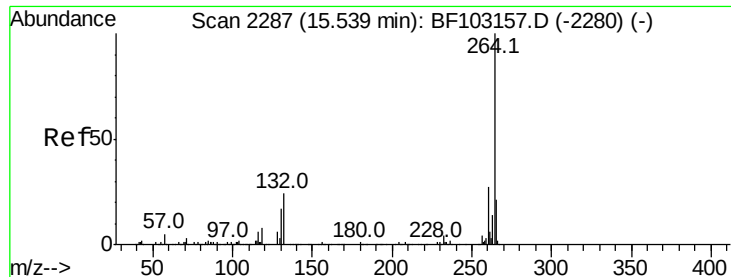
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.179 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. -0.01 min
 Lab File: BF103469.D
 Acq: 6 Mar 2018 21:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.5	25.0	37.6
277	24.4	20.1	30.1



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



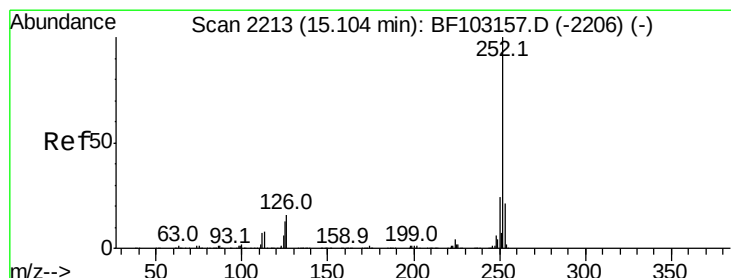
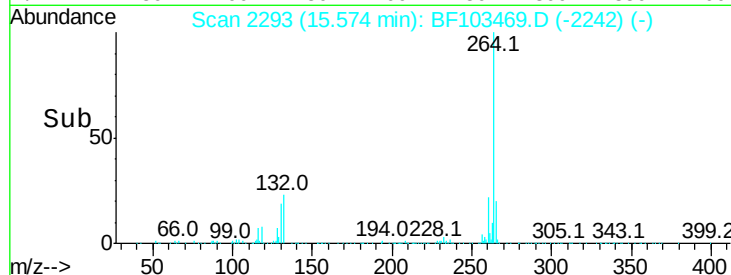
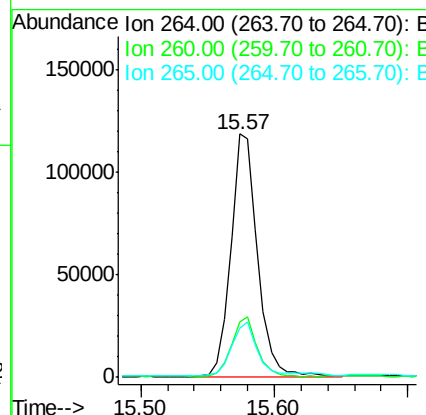
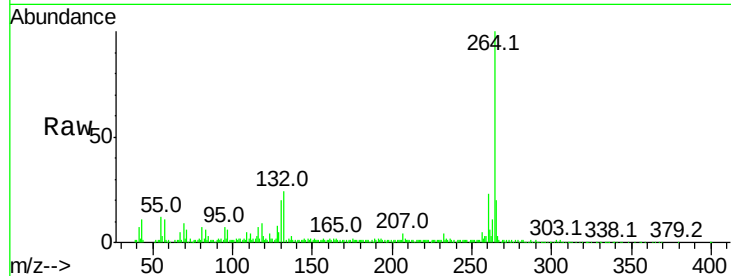


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: BF103469.D
Acq: 6 Mar 2018 21:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 165847

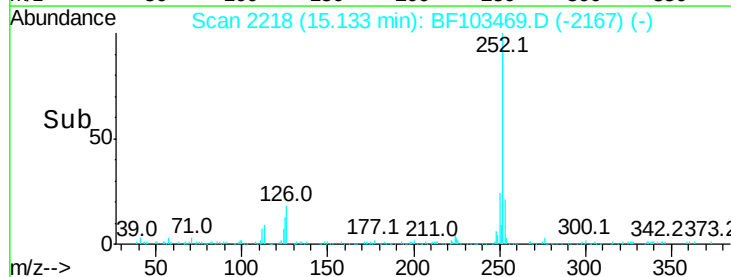
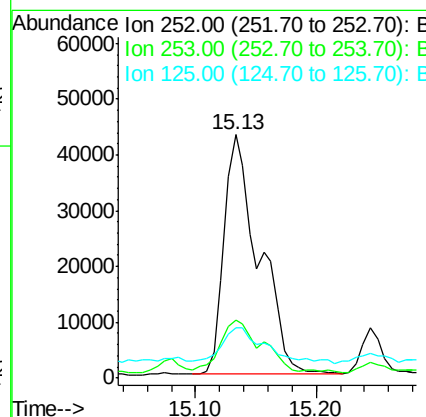
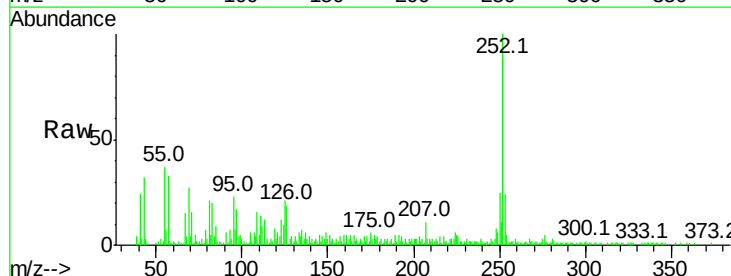
Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	20.3	17.5	26.3

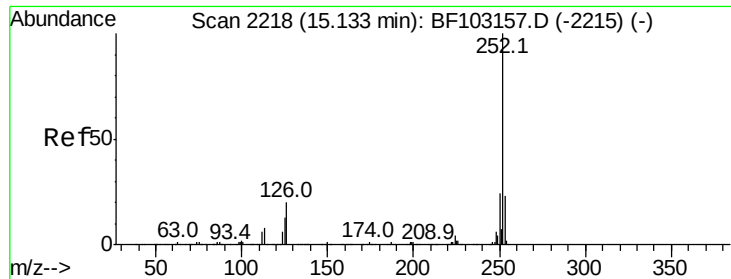


#87
Benzo(b)fluoranthene
Concen: 7.921 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103469.D
Acq: 6 Mar 2018 21:29

Tgt Ion:252 Resp: 86369

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	20.6	9.0	13.6

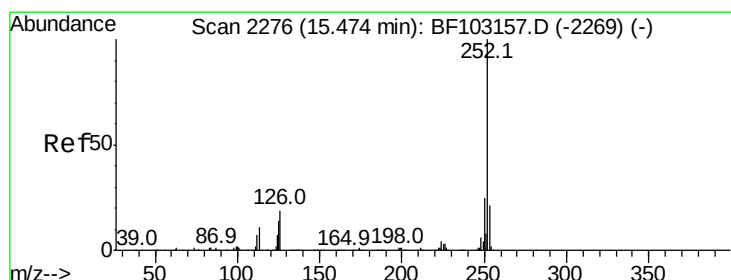
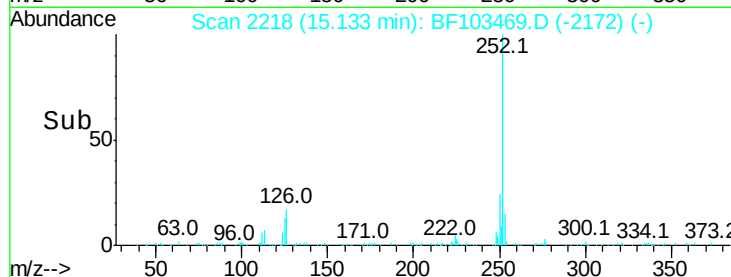
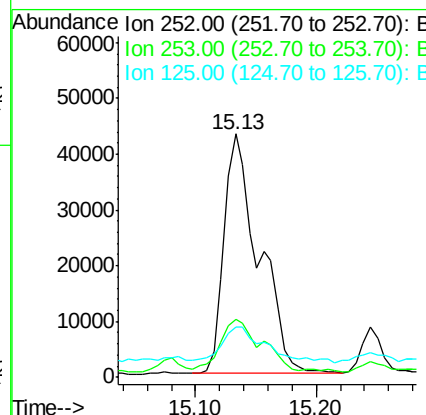
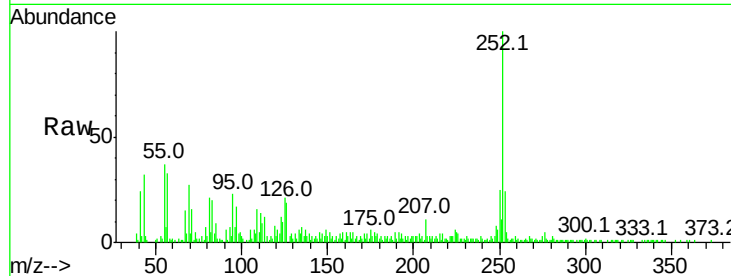




#88
Benzo(k)fluoranthene
Concen: 8.411 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103469.D
Acq: 6 Mar 2018 21:29

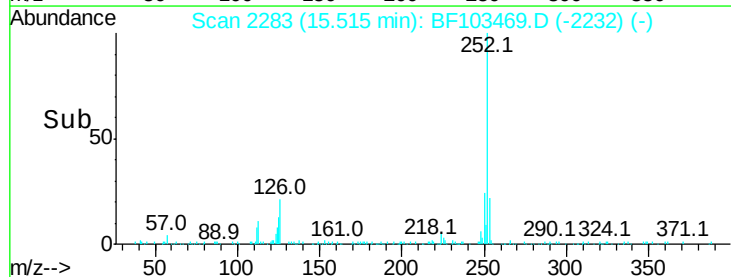
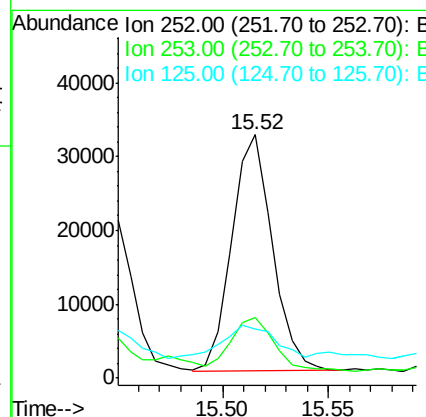
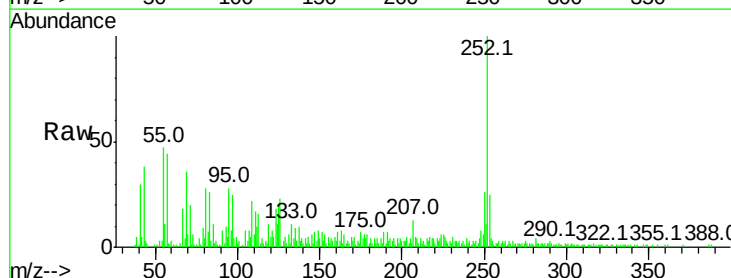
Instrument :
BNA_F
ClientSampled :

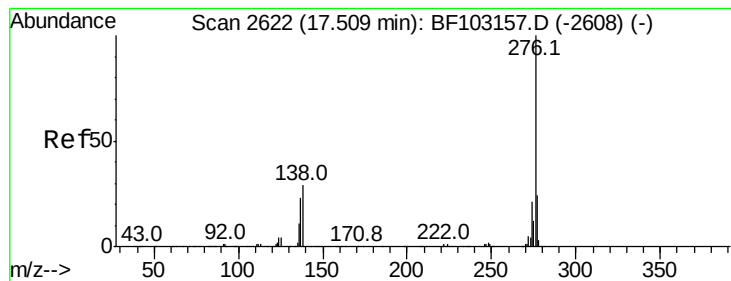
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	20.6	10.2	15.2



#89
Benzo(a)pyrene
Concen: 4.354 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF103469.D
Acq: 6 Mar 2018 21:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.1	25.7
125	20.3	9.8	14.6

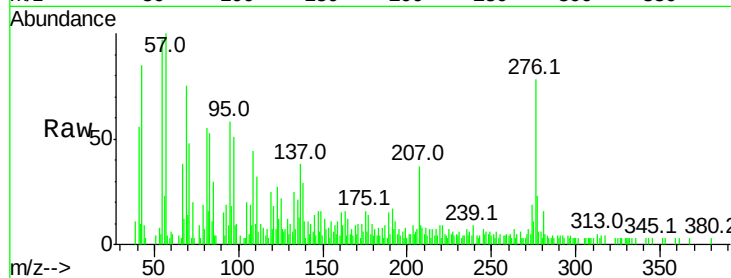




#91
 Benzo(a,h,i)perylene
 Concen: 3.108 ng
 RT: 17.59 min Scan# 2636
 Delta R.T. -0.01 min
 Lab File: BF103469.D
 Acq: 6 Mar 2018 21:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.7	17.9	26.9#
138	36.5	21.8	32.8#



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

