

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030818\
 Data File : BF103525.D
 Acq On : 8 Mar 2018 19:09
 Operator : SJ/JU
 Sample : J1820-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 08 23:52:50 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 08 14:20:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	146699	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	620897	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	231560	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	345443	20.00	ng	0.00
75) Chrysene-d12	14.06	240	239515	20.00	ng	0.00
86) Perylene-d12	15.56	264	207474	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	979496	100.98	ng	0.00
7) Phenol-d6	6.50	99	1200169	101.12	ng	0.00
23) Nitrobenzene-d5	7.43	82	821778	75.58	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	168292	85.86	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1071548	78.20	ng	0.00
78) Terphenyl-d14	12.99	244	671091	67.35	ng	0.00

Target Compounds

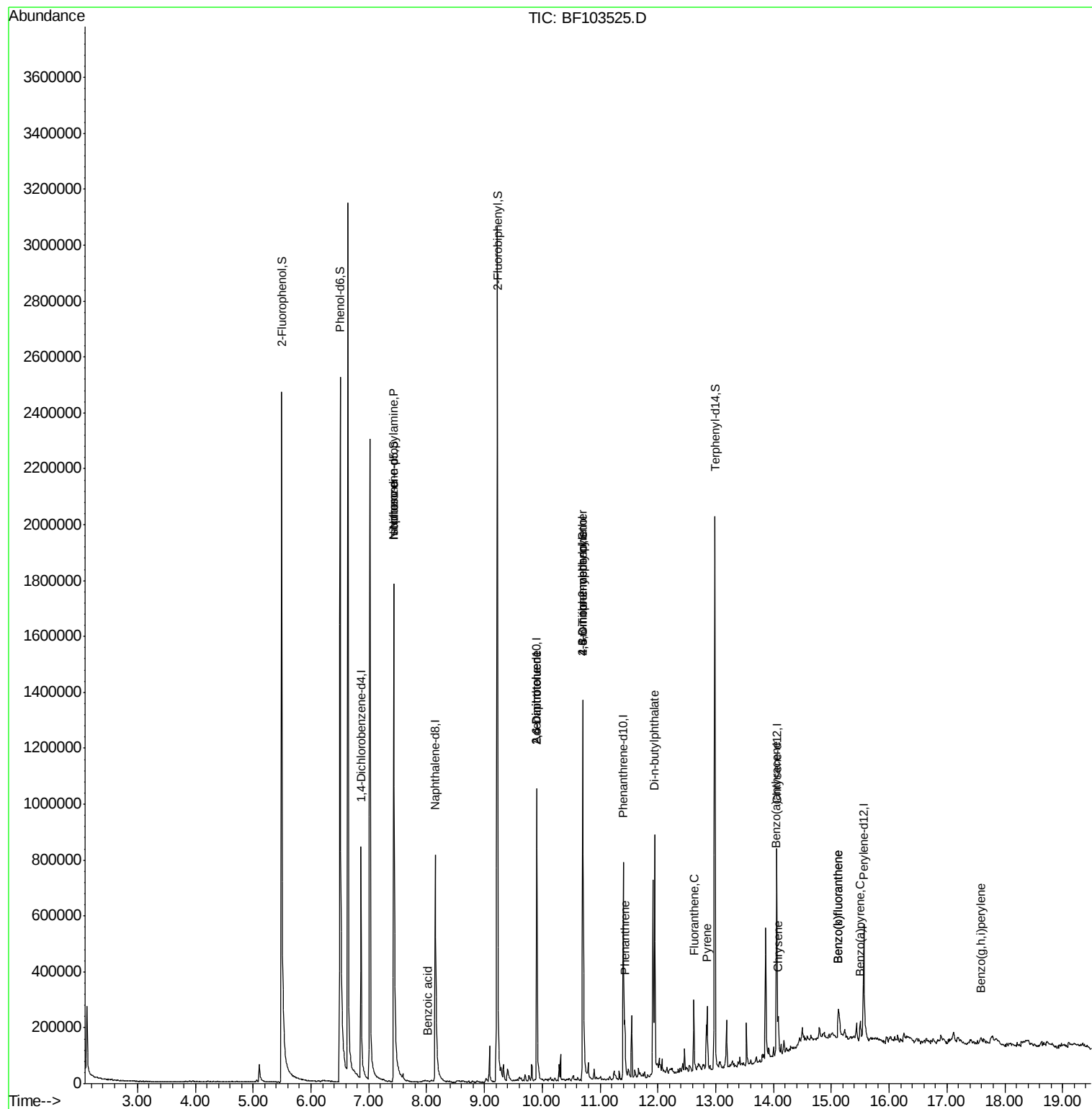
						Qvalue
9) Benzaldehyde	6.50	77	1759	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.43	70	105778	14.320 ng	#	83
25) Isophorone	7.43	82	821778	38.378 ng	#	64
32) Benzoic acid	8.01	122	120	6.930 ng	#	81
50) 2,6-Dinitrotoluene	9.90	165	29193	7.489 ng	#	26
56) 2,4-Dinitrotoluene	9.90	165	29194	5.921 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.70	198	256	5.055 ng	#	1
66) 4-Bromophenyl-phenylether	10.70	248	11747	3.264 ng	#	1
70) Phenanthrene	11.43	178	62010	3.262 ng		98
73) Di-n-butylphthalate	11.95	149	363000	14.943 ng		99
74) Fluoranthene	12.62	202	104198	5.454 ng		99
77) Pvrene	12.85	202	97192	5.205 ng		97
80) Benzo(a)anthracene	14.04	228	47910	3.083 ng		97
82) Chrysene	14.09	228	46968	3.113 ng		99
87) Benzo(b)fluoranthene	15.12	252	82632	6.058 ng	#	91
88) Benzo(k)fluoranthene	15.12	252	82632	6.433 ng	#	93
89) Benzo(a)pvrene	15.50	252	39668	3.256 ng	#	93
91) Benzo(g,h,i)perylene	17.59	276	23396	2.543 ng		97

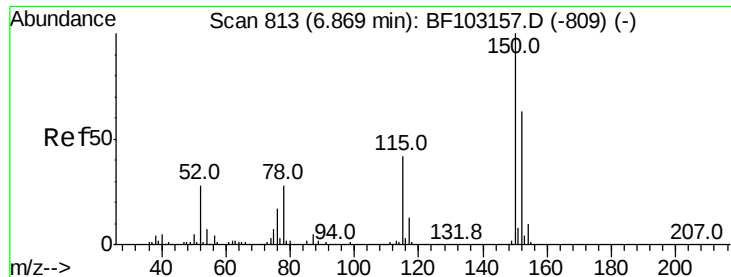
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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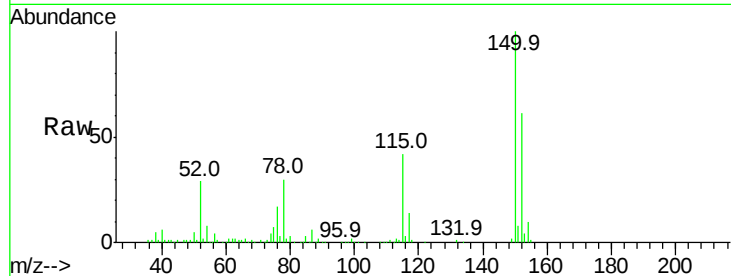


#1

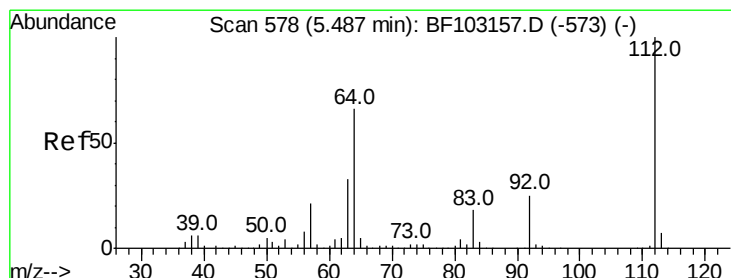
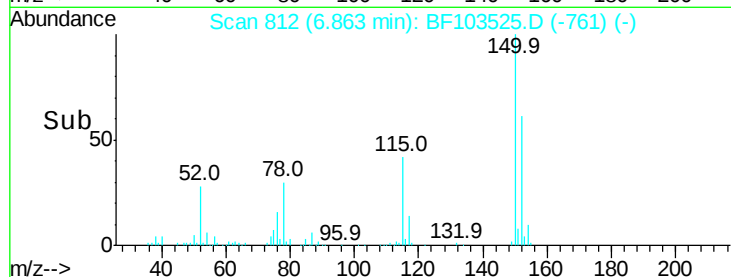
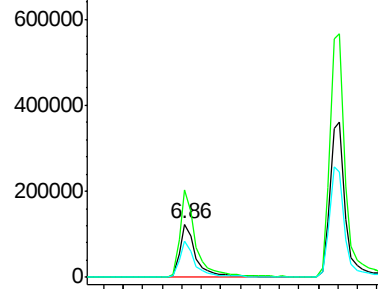
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103525.D
Acq: 8 Mar 2018 19:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146699
Ion Ratio Lower Upper
152 100
150 164.5 124.6 186.8
115 68.4 50.1 75.1



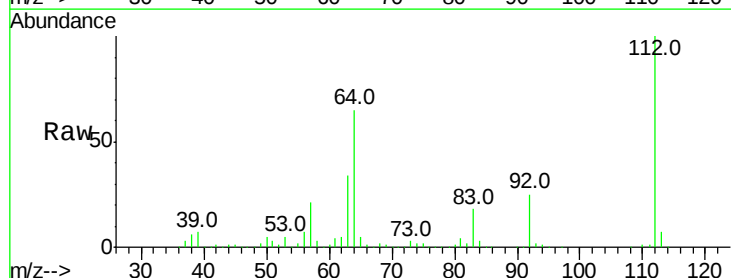
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



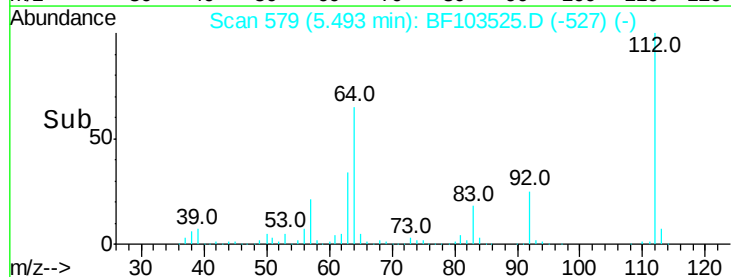
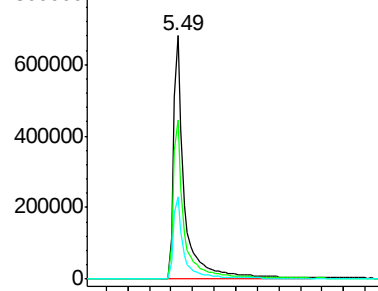
#5

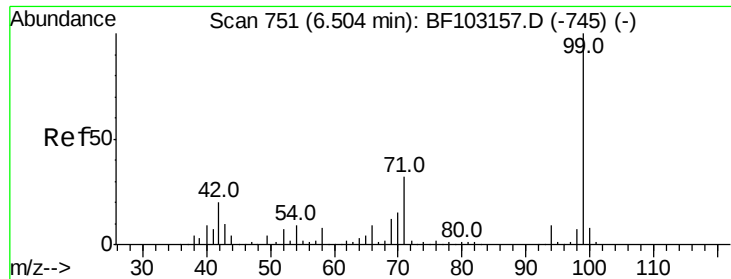
2-Fluorophenol
Concen: 100.983 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103525.D
Acq: 8 Mar 2018 19:09

Tgt Ion:112 Resp: 979496
Ion Ratio Lower Upper
112 100
64 65.3 47.9 71.9
63 33.9 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: 101.119 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103525.D

Acq: 8 Mar 2018 19:09

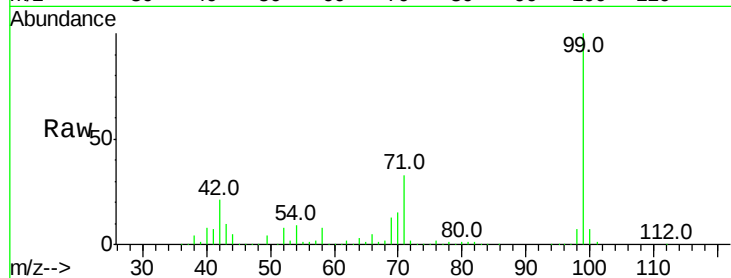
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1200169

Ion	Ratio	Lower	Upper
99	100		
42	20.6	14.5	21.7
71	32.8	25.4	38.0

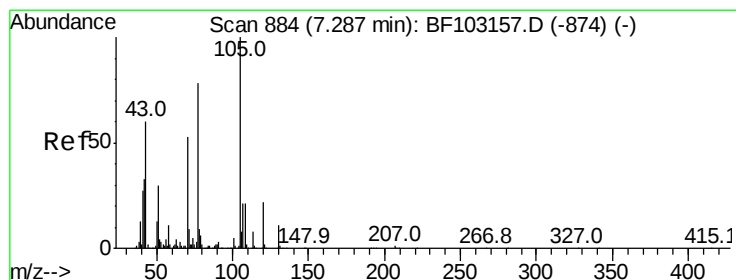
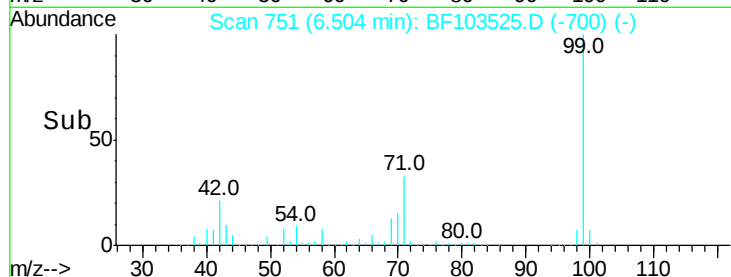
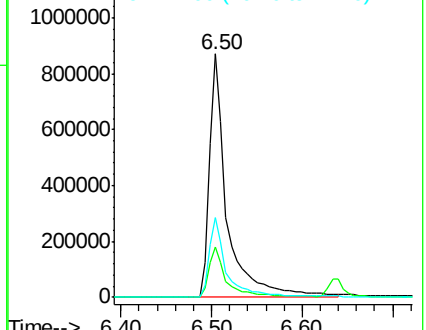


Abundance

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: 14.320 ng

RT: 7.43 min Scan# 909

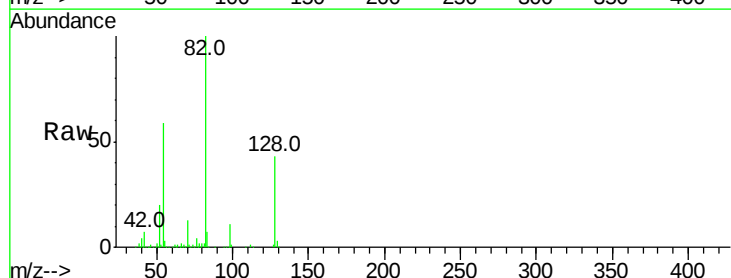
Delta R.T. 0.16 min

Lab File: BF103525.D

Acq: 8 Mar 2018 19:09

Tgt Ion: 70 Resp: 105778

Ion	Ratio	Lower	Upper
70	100		
42	53.4	47.5	71.3
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#



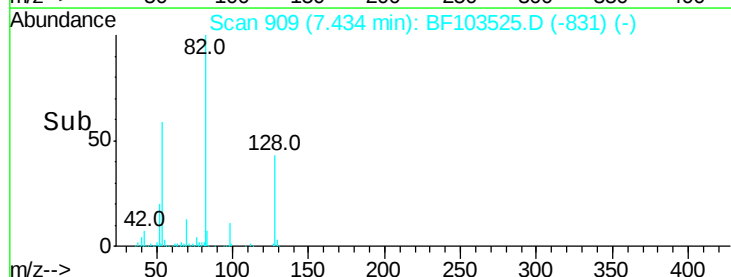
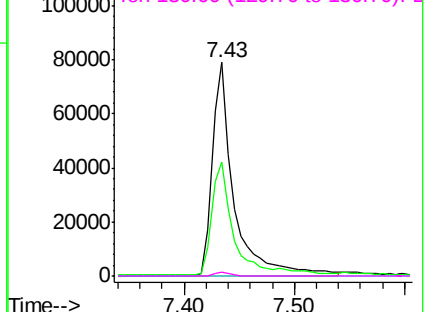
Abundance

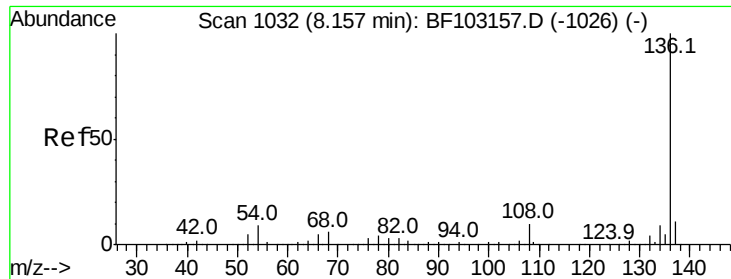
Ion 70.00 (69.70 to 70.70): BF1

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

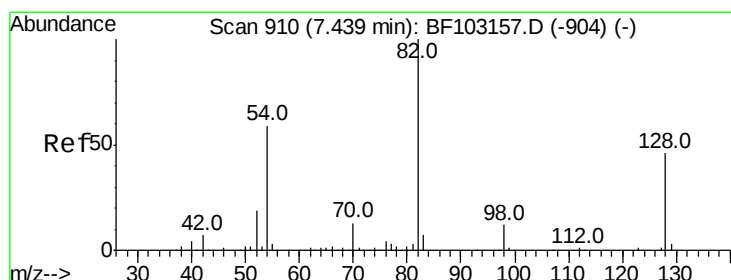
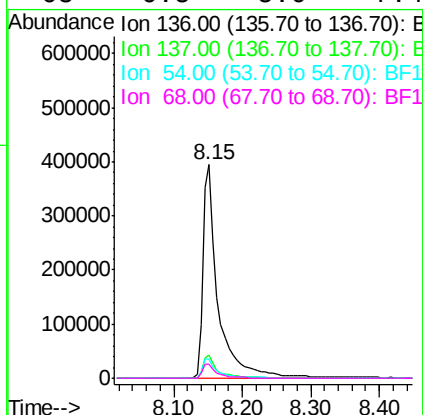
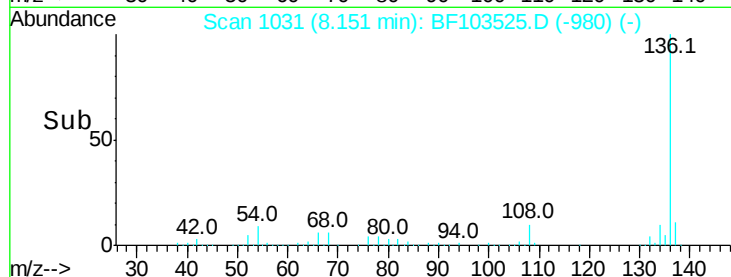
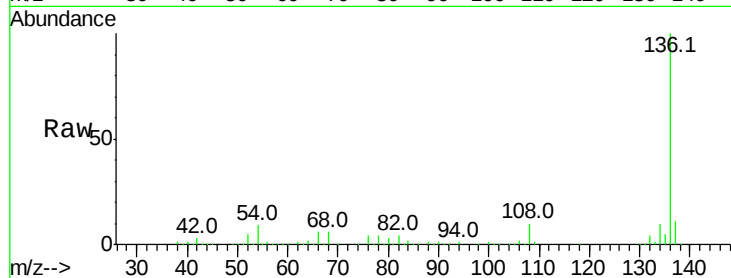




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF103525.D
Acq: 8 Mar 2018 19:09

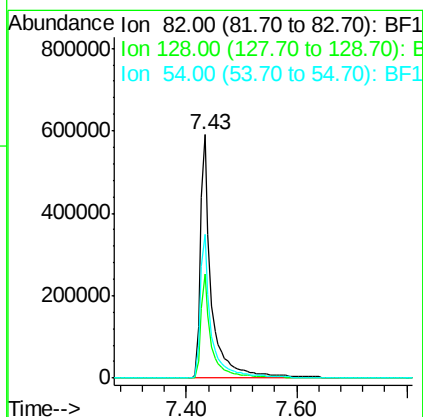
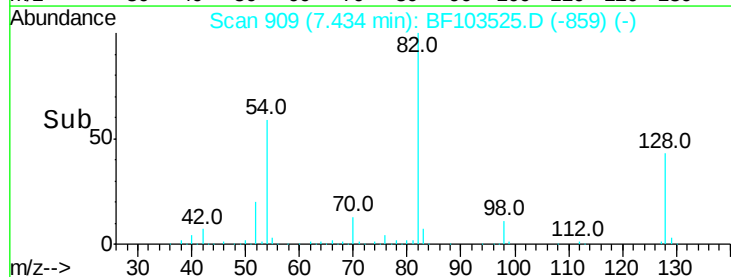
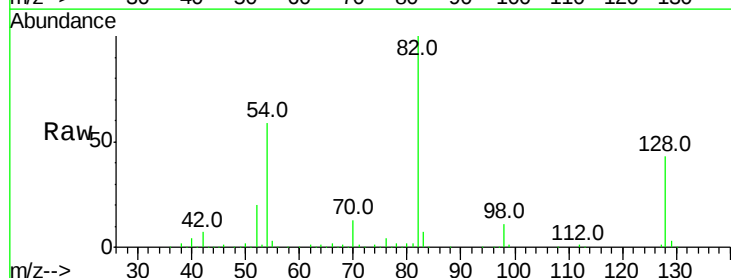
Instrument :
BNA_F
ClientSampleId :

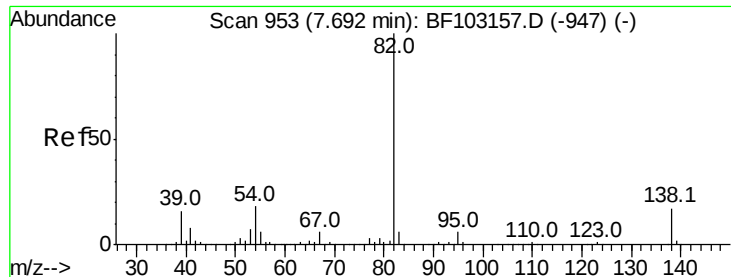
Tot Ion:	136	Resp:	620897
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.9	6.6	9.8
68	6.5	5.0	7.4



#23
Nitrobenzene-d5
Concen: 75.585 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103525.D
Acq: 8 Mar 2018 19:09

Tgt Ion:	82	Resp:	821778
Ion	Ratio	Lower	Upper
82	100		
128	42.8	36.1	54.1
54	59.0	41.4	62.2





#25

Isophorone

Concen: 38.378 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.25 min

Lab File: BF103525.D

Acq: 8 Mar 2018 19:09

Instrument :
BNA_F
ClientSampled :

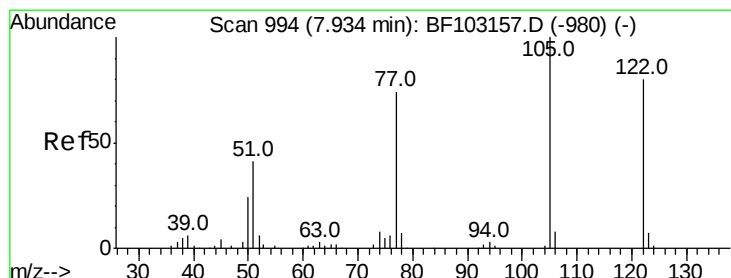
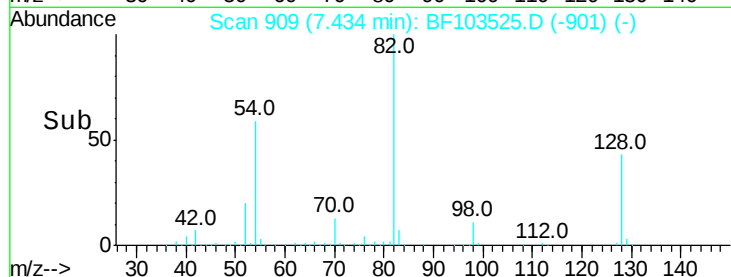
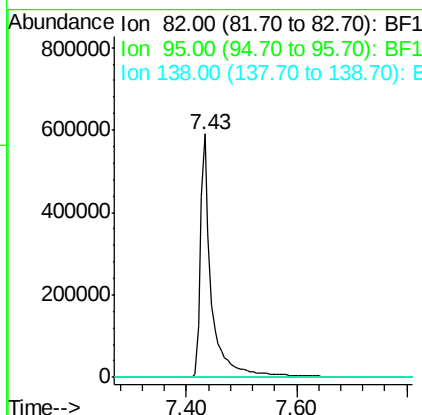
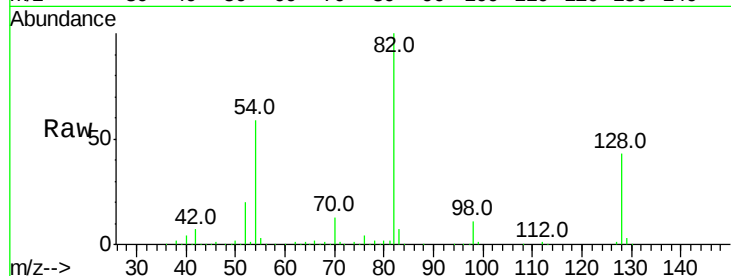
Tot Ion: 82 Resp: 821778

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 6.930 ng

RT: 8.01 min Scan# 1007

Delta R.T. 0.05 min

Lab File: BF103525.D

Acq: 8 Mar 2018 19:09

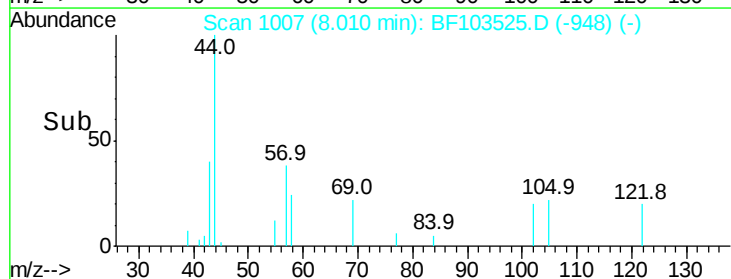
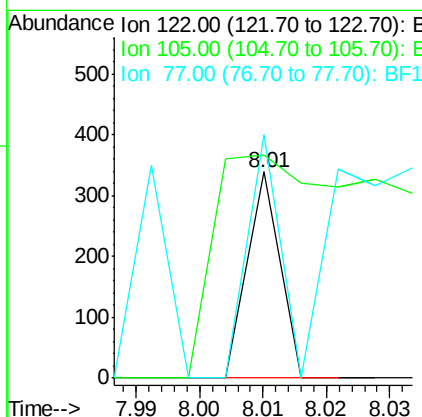
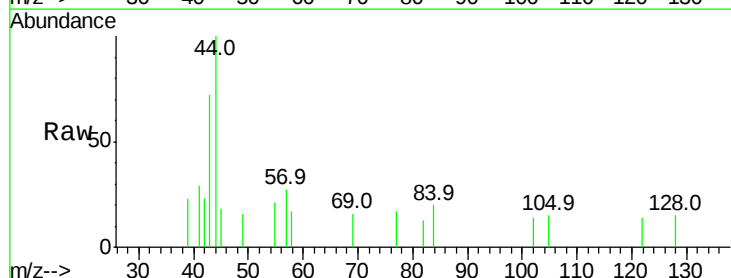
Tgt Ion: 122 Resp: 120

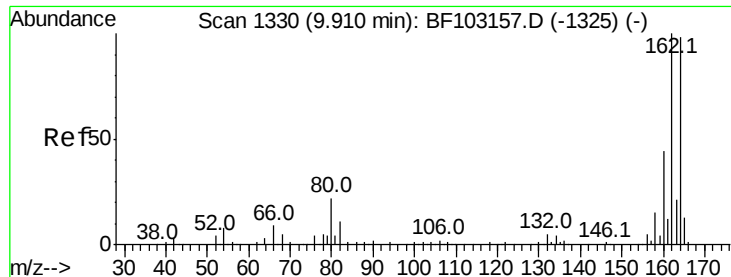
Ion Ratio Lower Upper

122 100

105 108.3 101.1 141.1

77 118.3 70.7 110.7#

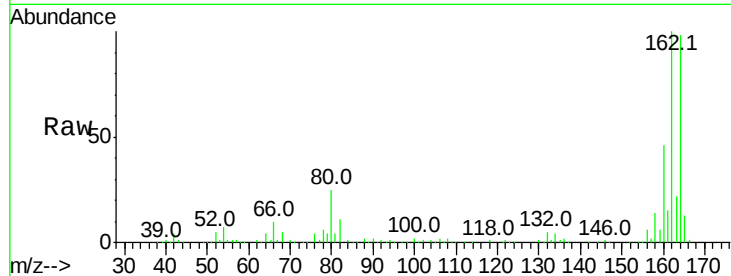




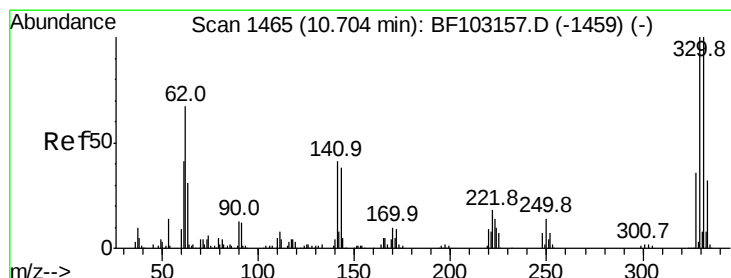
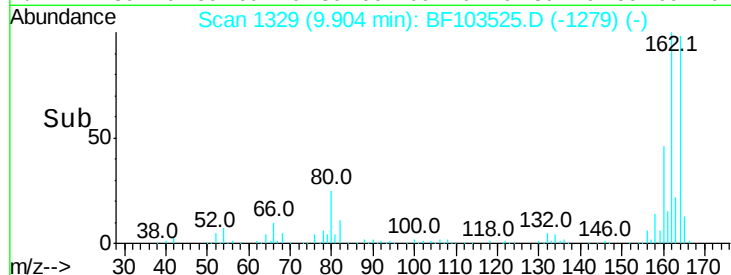
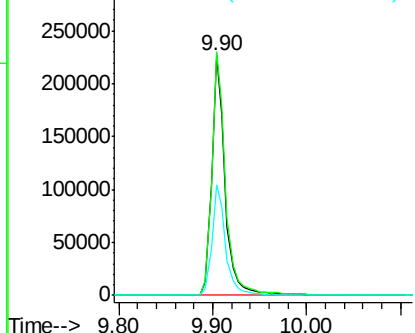
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF103525.D
Acq: 8 Mar 2018 19:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 231560
Ion Ratio Lower Upper
164 100
162 101.8 86.1 129.1
160 46.4 38.3 57.5

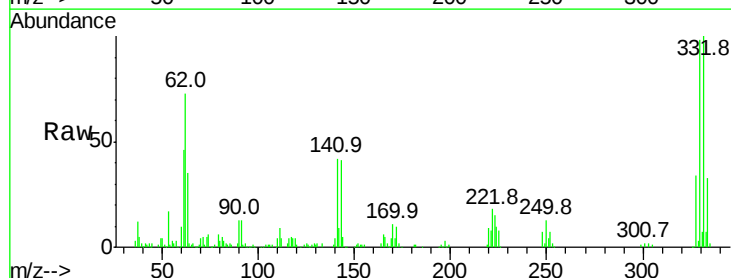


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

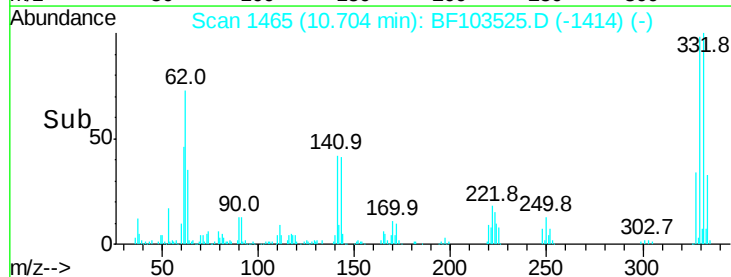
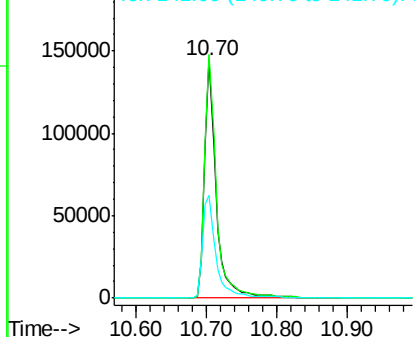


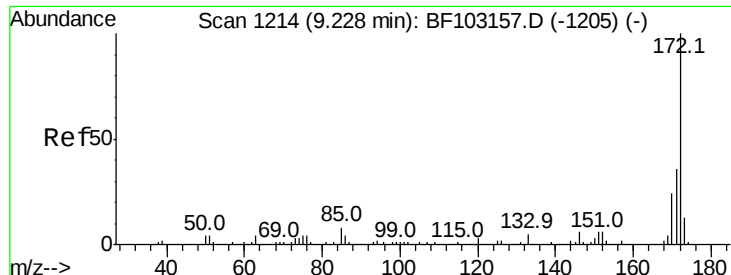
#41
2,4,6-Tribromophenol
Concen: 85.862 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.00 min
Lab File: BF103525.D
Acq: 8 Mar 2018 19:09

Tgt Ion:330 Resp: 168292
Ion Ratio Lower Upper
330 100
332 103.1 77.0 115.6
141 49.7 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

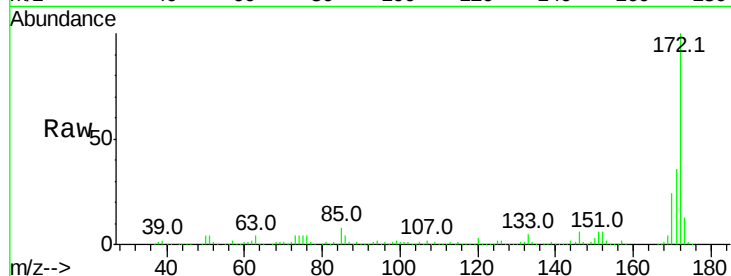




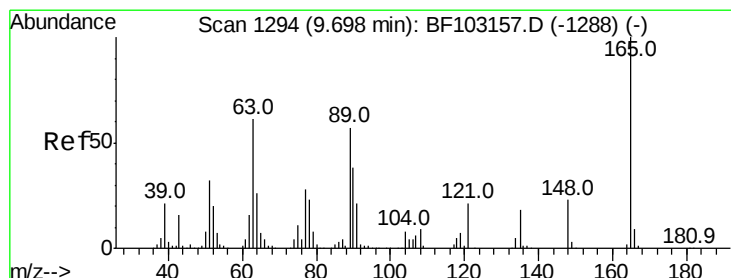
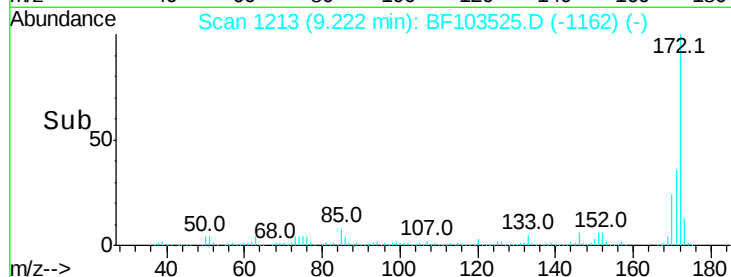
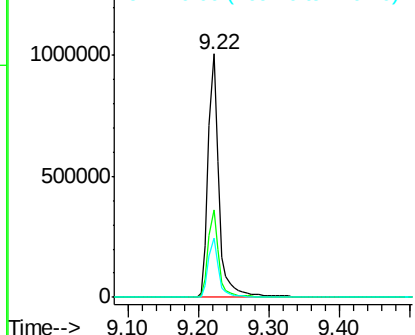
#44
 2-Fluorobiphenyl
 Concen: 78.200 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF103525.D
 Acq: 8 Mar 2018 19:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1071548
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 24.4 19.6 29.4

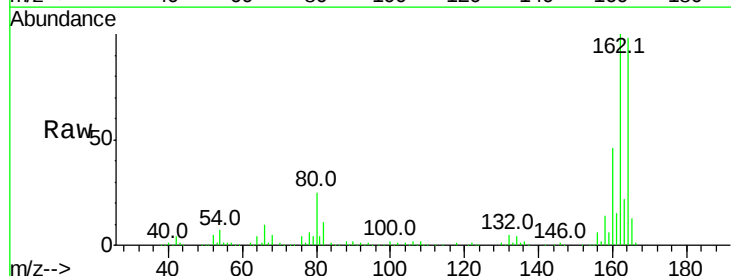


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

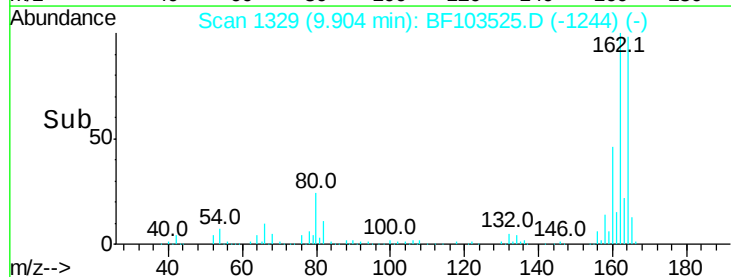
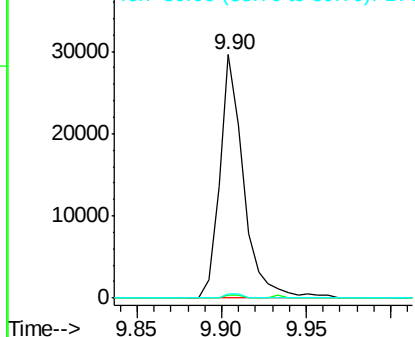


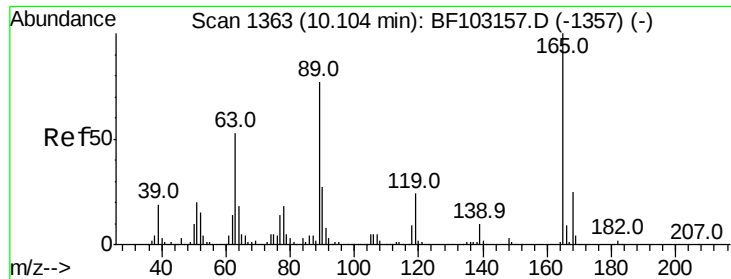
#50
 2,6-Dinitrotoluene
 Concen: 7.489 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.20 min
 Lab File: BF103525.D
 Acq: 8 Mar 2018 19:09

Tgt Ion:165 Resp: 29193
 Ion Ratio Lower Upper
 165 100
 63 1.3 44.7 67.1#
 89 1.9 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

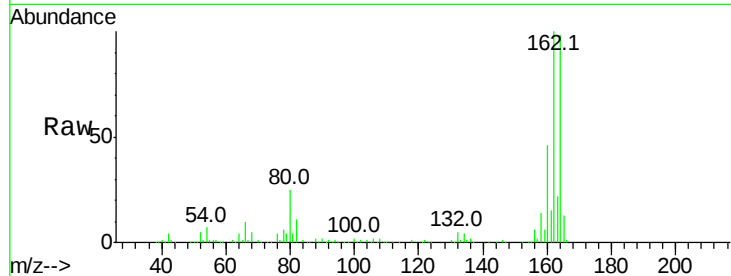




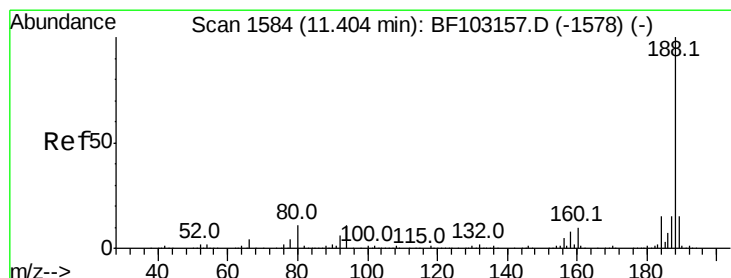
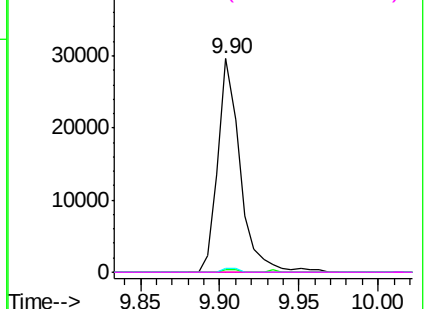
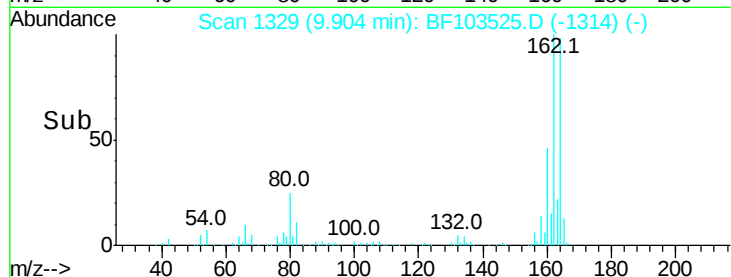
#56
2,4-Dinitrotoluene
Concen: 5.921 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.21 min
Lab File: BF103525.D
Acq: 8 Mar 2018 19:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 29194
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 1.9 57.8 86.6#
182 0.0 1.6 2.4#

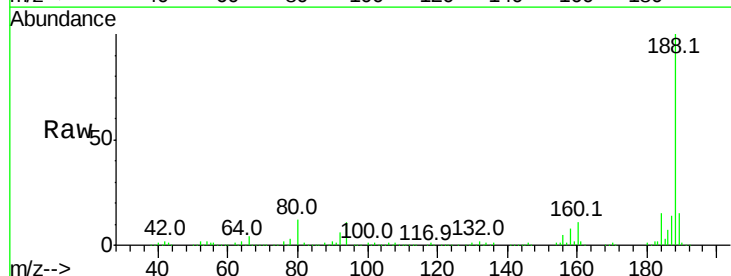


Abundance Ion 165.00 (164.70 to 165.70): E

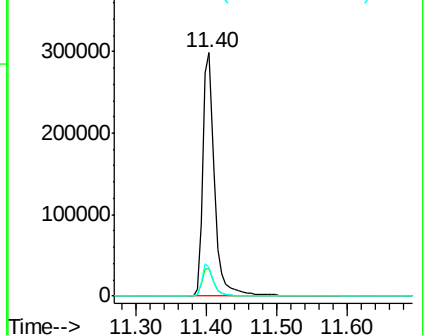
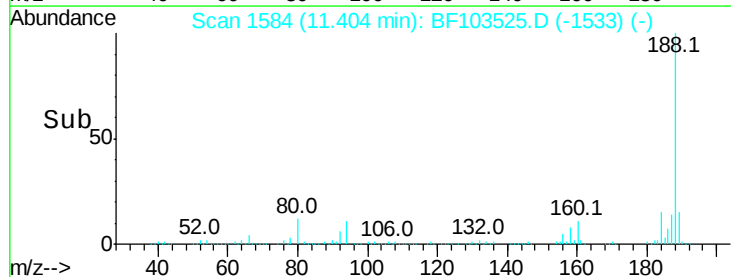


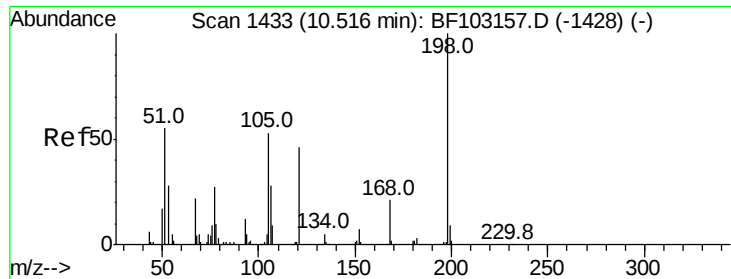
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF103525.D
Acq: 8 Mar 2018 19:09

Tgt Ion:188 Resp: 345443
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 11.8 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E





#64

4,6-Dinitro-2-methylphenol

Concen: 5.055 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.17 min

Lab File: BF103525.D

Acq: 8 Mar 2018 19:09

Instrument :

BNA_F

ClientSampleId :

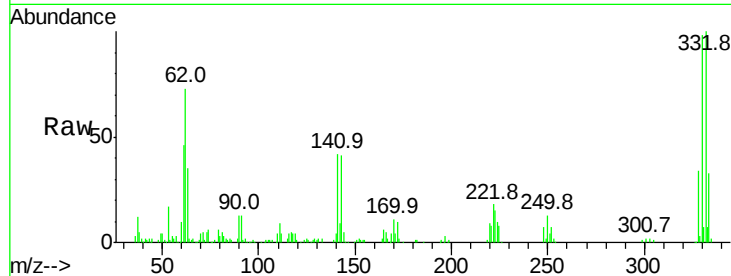
Tot Ion:198 Resp: 256

Ion Ratio Lower Upper

198 100

51 290.7 37.7 77.7#

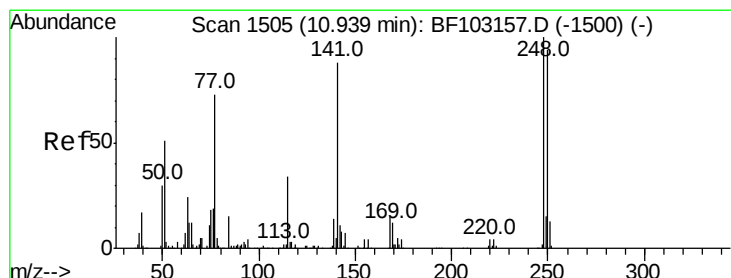
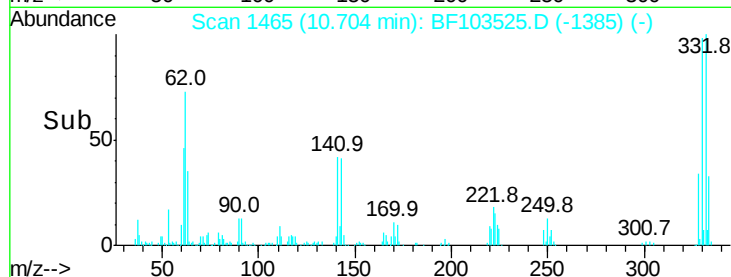
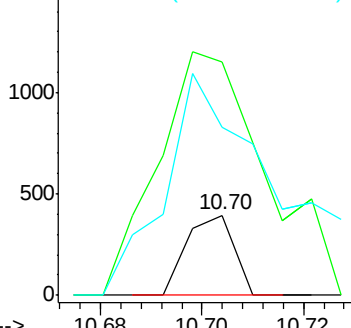
105 209.6 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.264 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.24 min

Lab File: BF103525.D

Acq: 8 Mar 2018 19:09

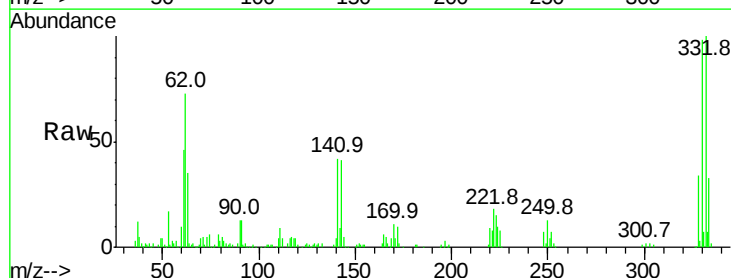
Tgt Ion:248 Resp: 11747

Ion Ratio Lower Upper

248 100

250 199.2 76.9 115.3#

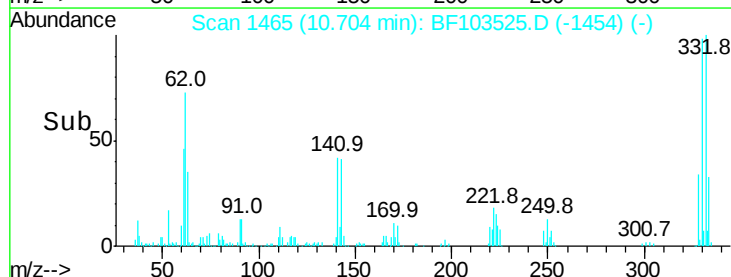
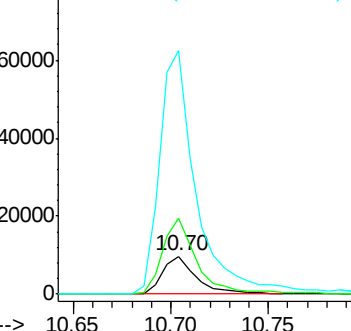
141 643.3 74.4 111.6#

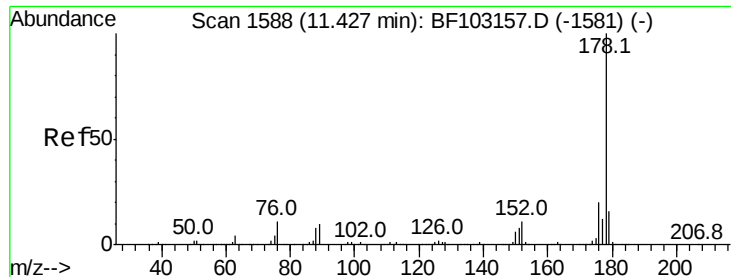


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 3.262 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.00 min

Lab File: BF103525.D

Acq: 8 Mar 2018 19:09

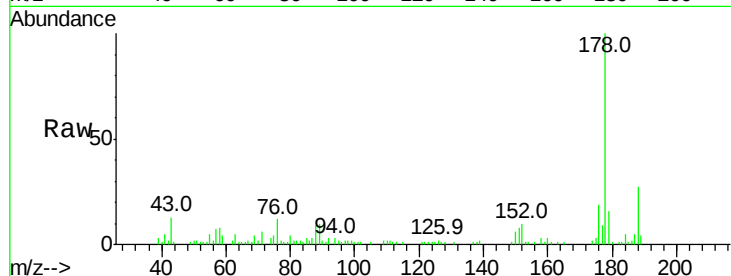
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 62010

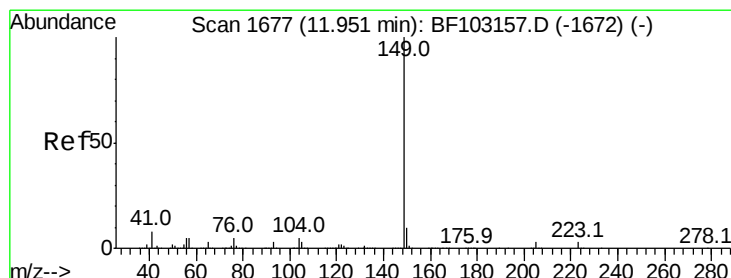
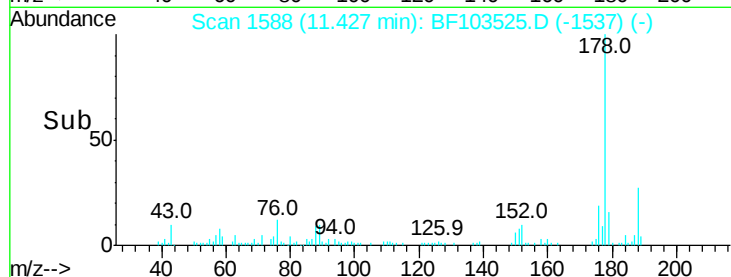
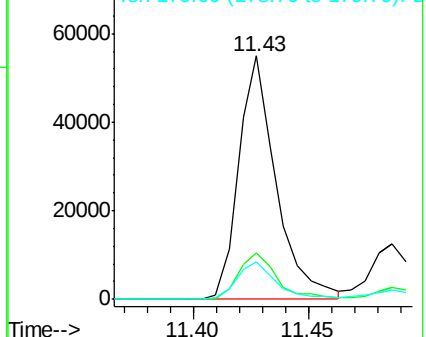
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.7	13.0	19.6



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



#73

Di-n-butylphthalate

Concen: 14.943 ng

RT: 11.95 min Scan# 1676

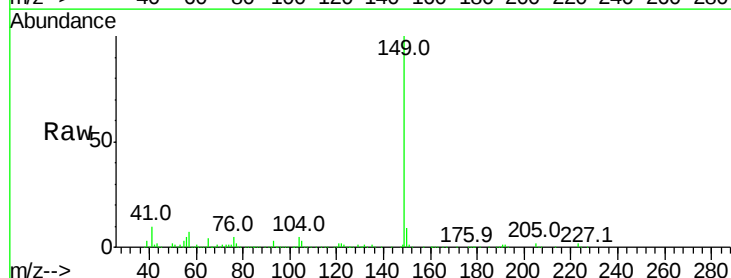
Delta R.T. -0.01 min

Lab File: BF103525.D

Acq: 8 Mar 2018 19:09

Tgt Ion:149 Resp: 363000

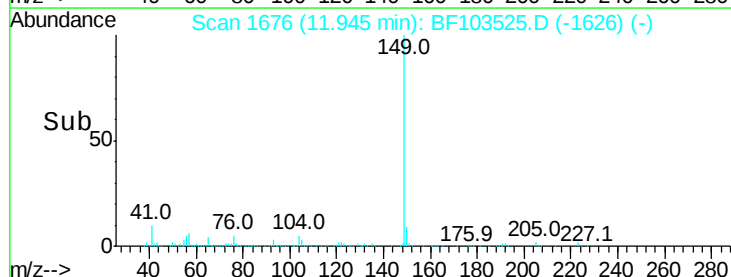
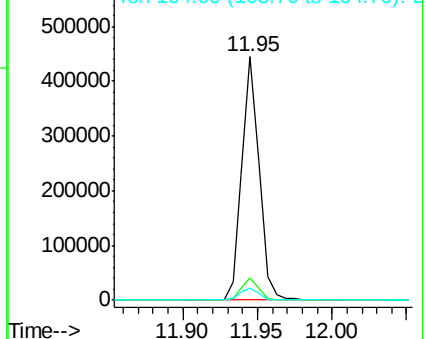
Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.8	11.6
104	5.0	3.8	5.8

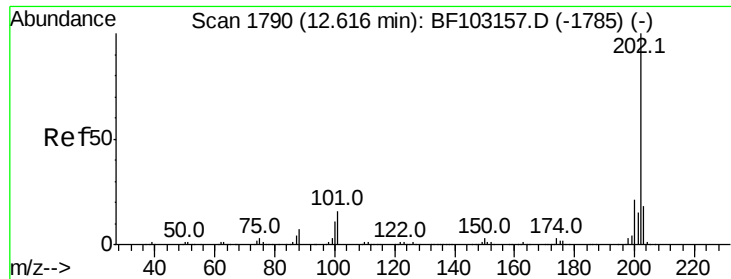


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

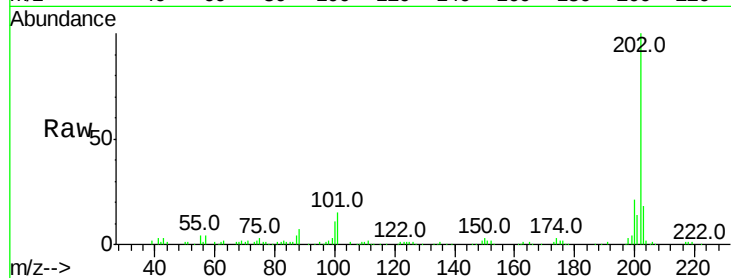




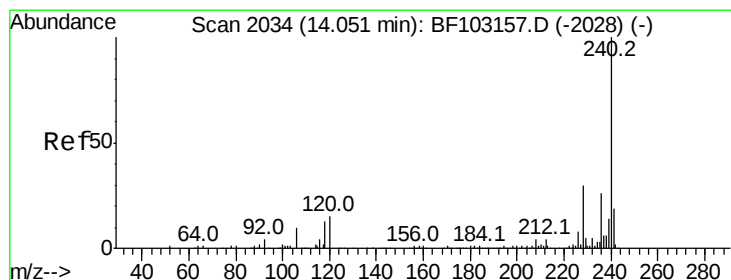
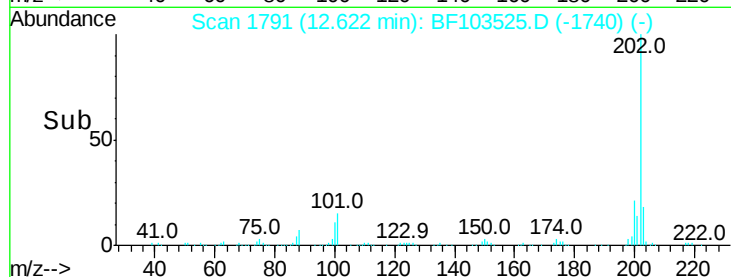
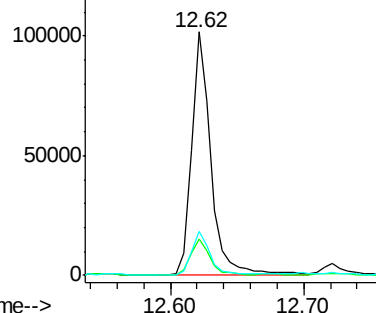
#74
Fluoranthene
Concen: 5.454 ng
RT: 12.62 min Scan# 1791
Delta R.T. 0.00 min
Lab File: BF103525.D
Acq: 8 Mar 2018 19:09

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	34.1
203	17.9	0.0	38.1

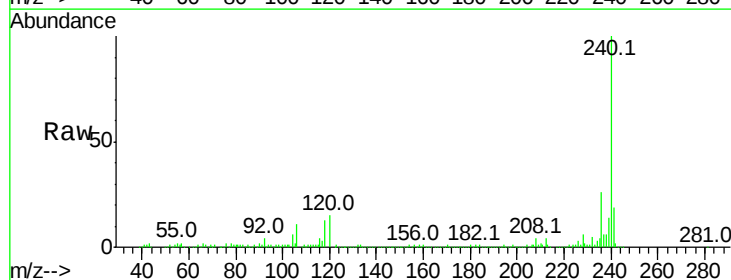


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

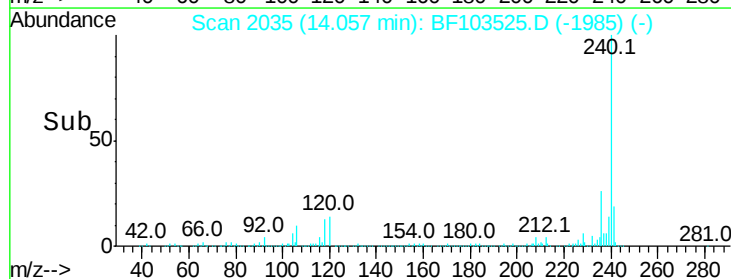
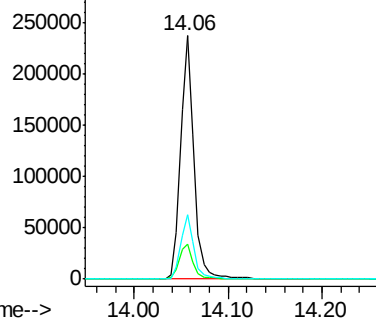


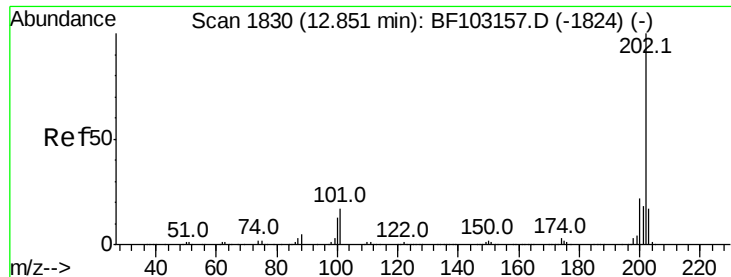
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF103525.D
Acq: 8 Mar 2018 19:09

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.5	9.5	14.3#
236	26.2	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

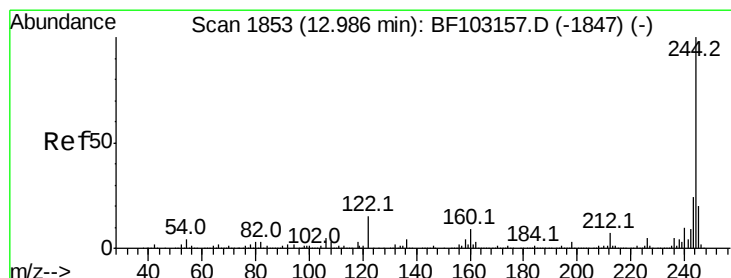
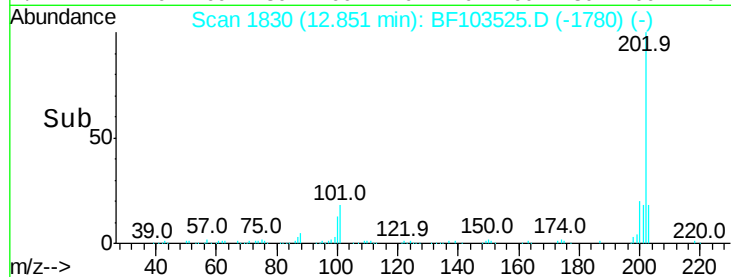
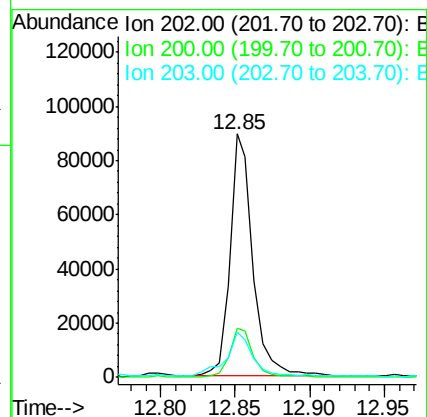
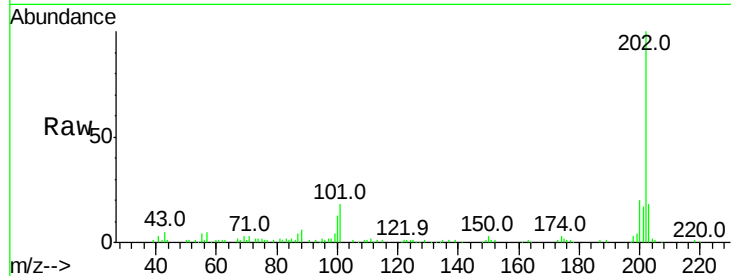




#77
Pvrene
Concen: 5.205 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF103525.D
Acq: 8 Mar 2018 19:09

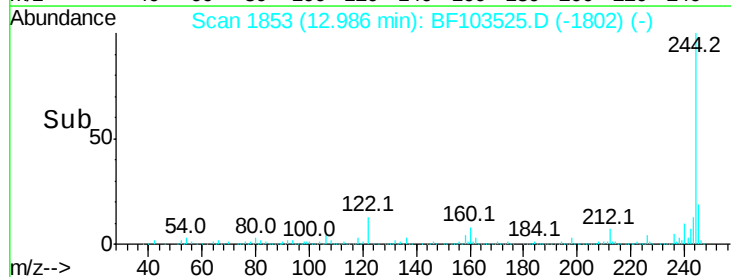
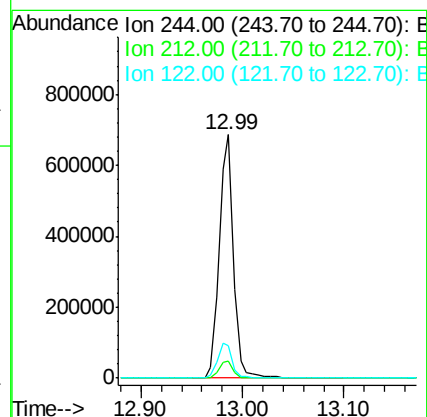
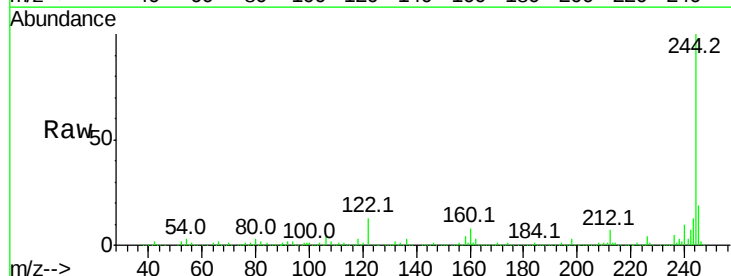
Instrument :
BNA_F
ClientSampleId :

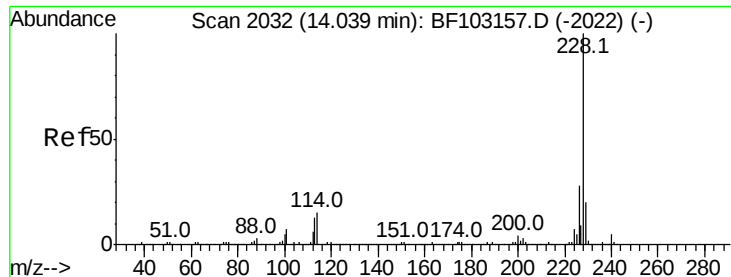
Tot Ion:202 Resp: 97192
Ion Ratio Lower Upper
202 100
200 19.9 17.4 26.2
203 18.4 14.3 21.5



#78
Terphenyl-d14
Concen: 67.353 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BF103525.D
Acq: 8 Mar 2018 19:09

Tgt Ion:244 Resp: 671091
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.0
122 13.5 11.0 16.4

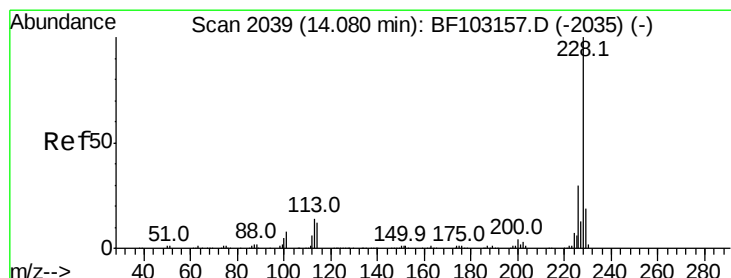
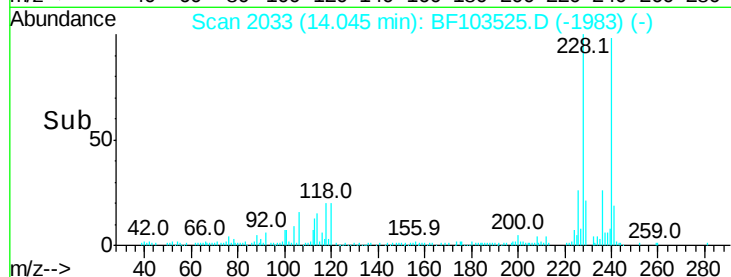
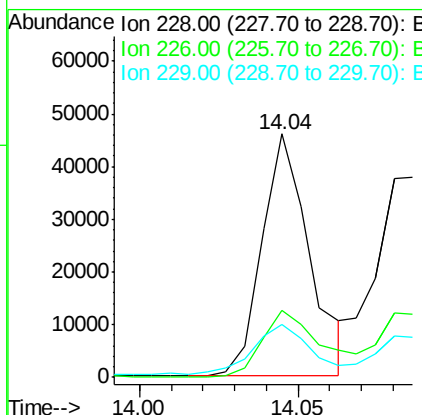
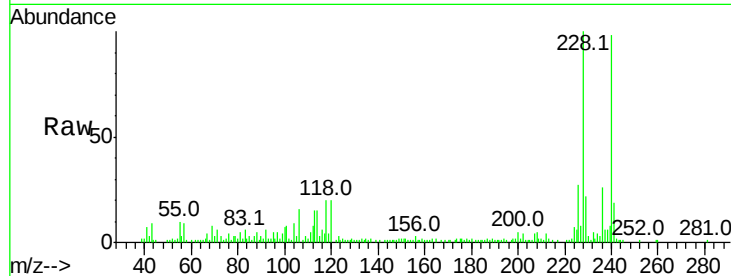




#80
Benzo(a)anthracene
Concen: 3.083 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103525.D
Acq: 8 Mar 2018 19:09

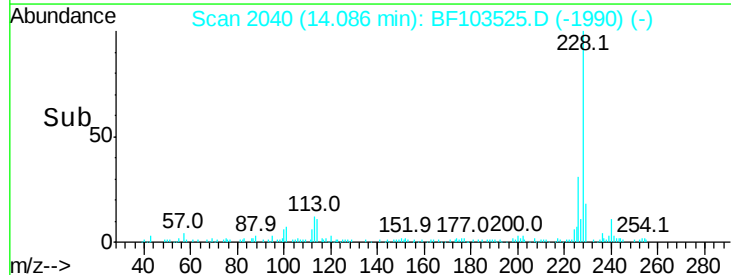
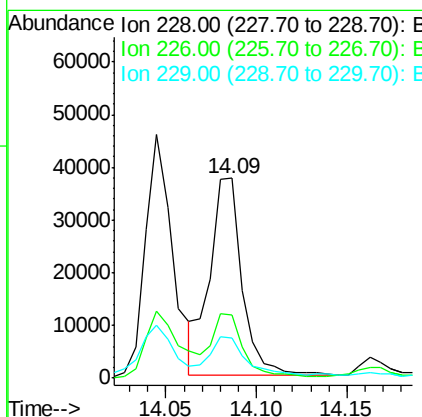
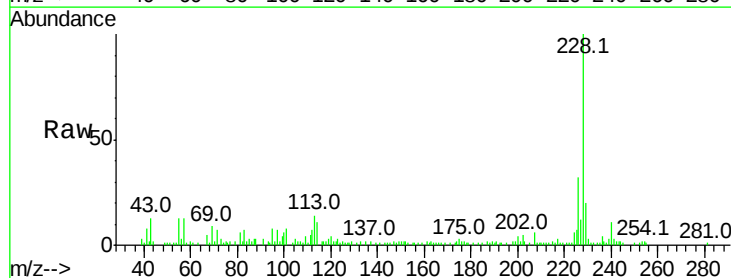
Instrument :
BNA_F
ClientSampleId :

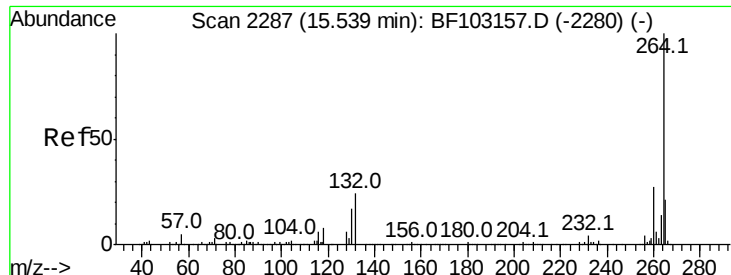
Tot Ion:228 Resp: 47910
Ion Ratio Lower Upper
228 100
226 27.4 22.6 33.8
229 21.8 15.8 23.6



#82
Chrysene
Concen: 3.113 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF103525.D
Acq: 8 Mar 2018 19:09

Tgt Ion:228 Resp: 46968
Ion Ratio Lower Upper
228 100
226 31.8 25.0 37.6
229 19.9 16.2 24.4



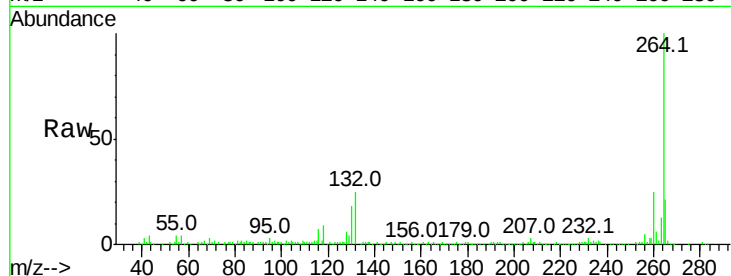


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF103525.D
Acq: 8 Mar 2018 19:09

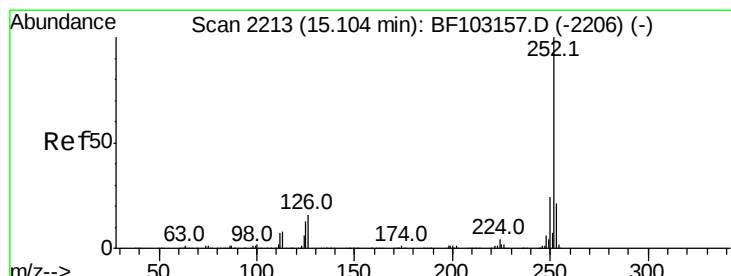
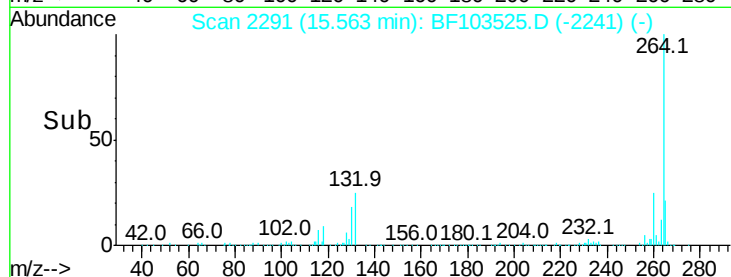
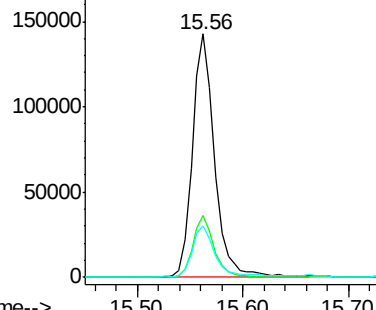
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 207474

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	21.0	17.5	26.3



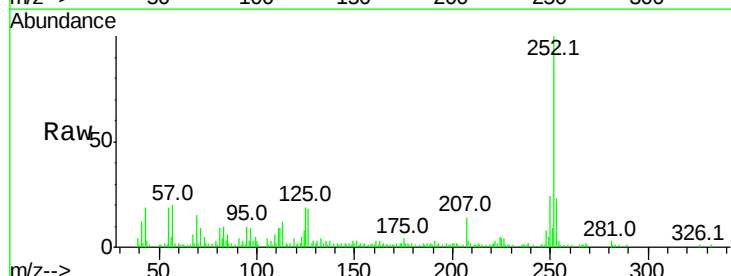
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



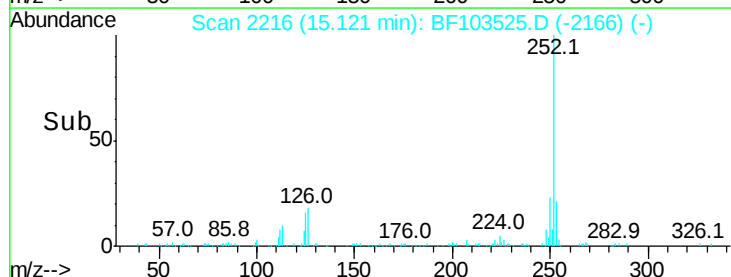
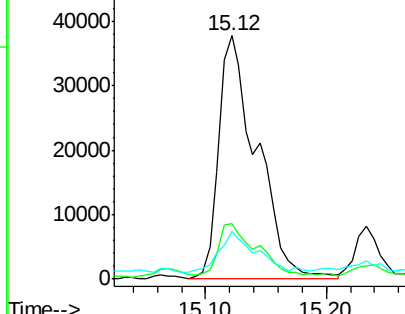
#87
Benzo(b)fluoranthene
Concen: 6.058 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF103525.D
Acq: 8 Mar 2018 19:09

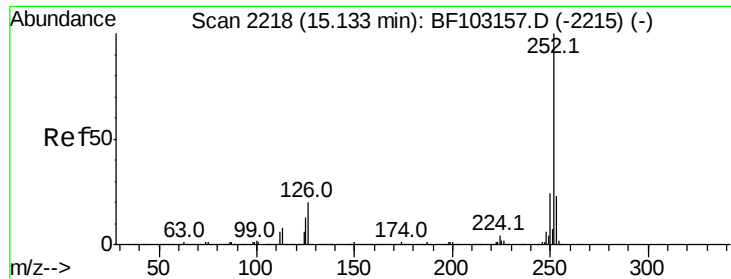
Tgt Ion:252 Resp: 82632

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	19.4	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

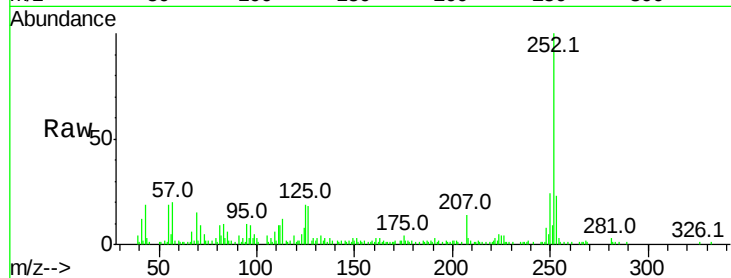




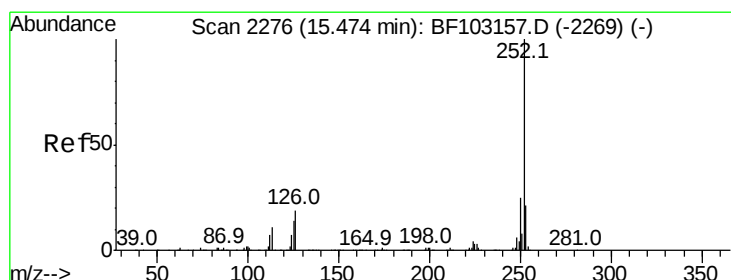
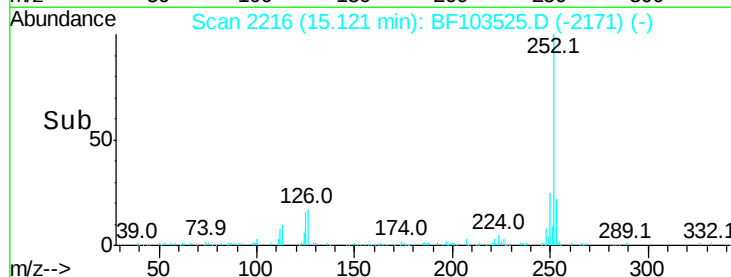
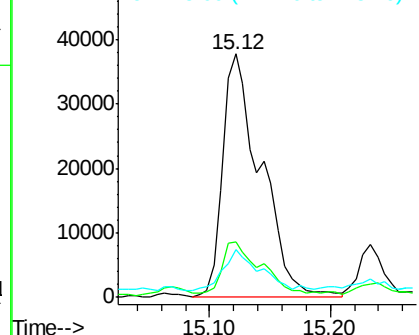
#88
Benzo(k)fluoranthene
Concen: 6.433 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.04 min
Lab File: BF103525.D
Acq: 8 Mar 2018 19:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 82632
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 19.4 10.2 15.2#

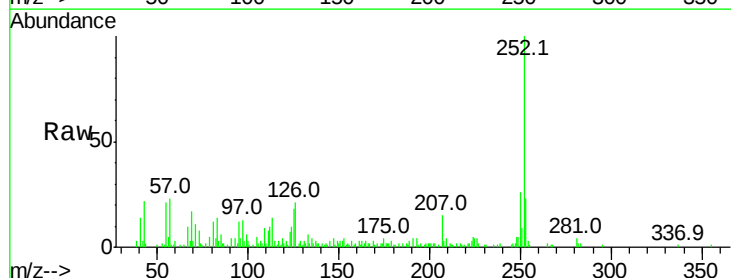


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

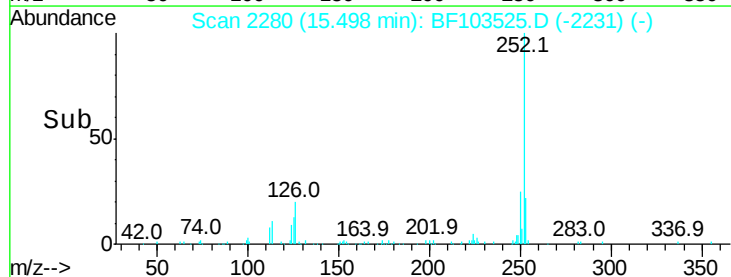
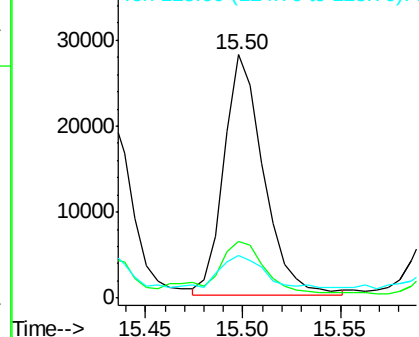


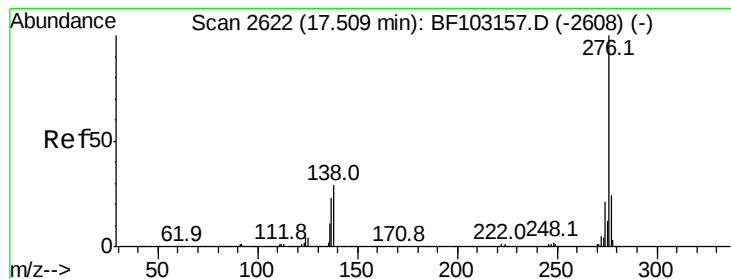
#89
Benzo(a)pyrene
Concen: 3.256 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF103525.D
Acq: 8 Mar 2018 19:09

Tgt Ion:252 Resp: 39668
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 17.7 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





#91

Benzo(a,h,i)perylene

Concen: 2.543 ng

RT: 17.59 min Scan# 2635

Delta R.T. 0.01 min

Lab File: BF103525.D

Acq: 8 Mar 2018 19:09

Instrument :

BNA_F

ClientSampleId :

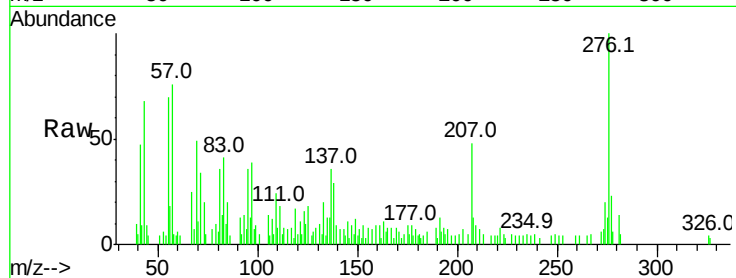
Tot Ion: 276 Resp: 23396

Ion Ratio Lower Upper

276 100

277 23.0 17.9 26.9

138 29.1 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

