

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030818\
 Data File : BF103517.D
 Acq On : 8 Mar 2018 15:34
 Operator : SJ/JU
 Sample : PB107144BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 08 16:20:09 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	154354	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	682426	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	301182	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	533719	20.00	ng	0.00
75) Chrysene-d12	14.06	240	323100	20.00	ng	0.00
86) Perylene-d12	15.56	264	265792	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1146022	112.29	ng	0.00
7) Phenol-d6	6.50	99	1374617	110.07	ng	0.00
23) Nitrobenzene-d5	7.43	82	959573	80.30	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	229086	89.86	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1379413	77.17	ng	0.00
78) Terphenyl-d14	12.99	244	1100201	81.86	ng	0.00

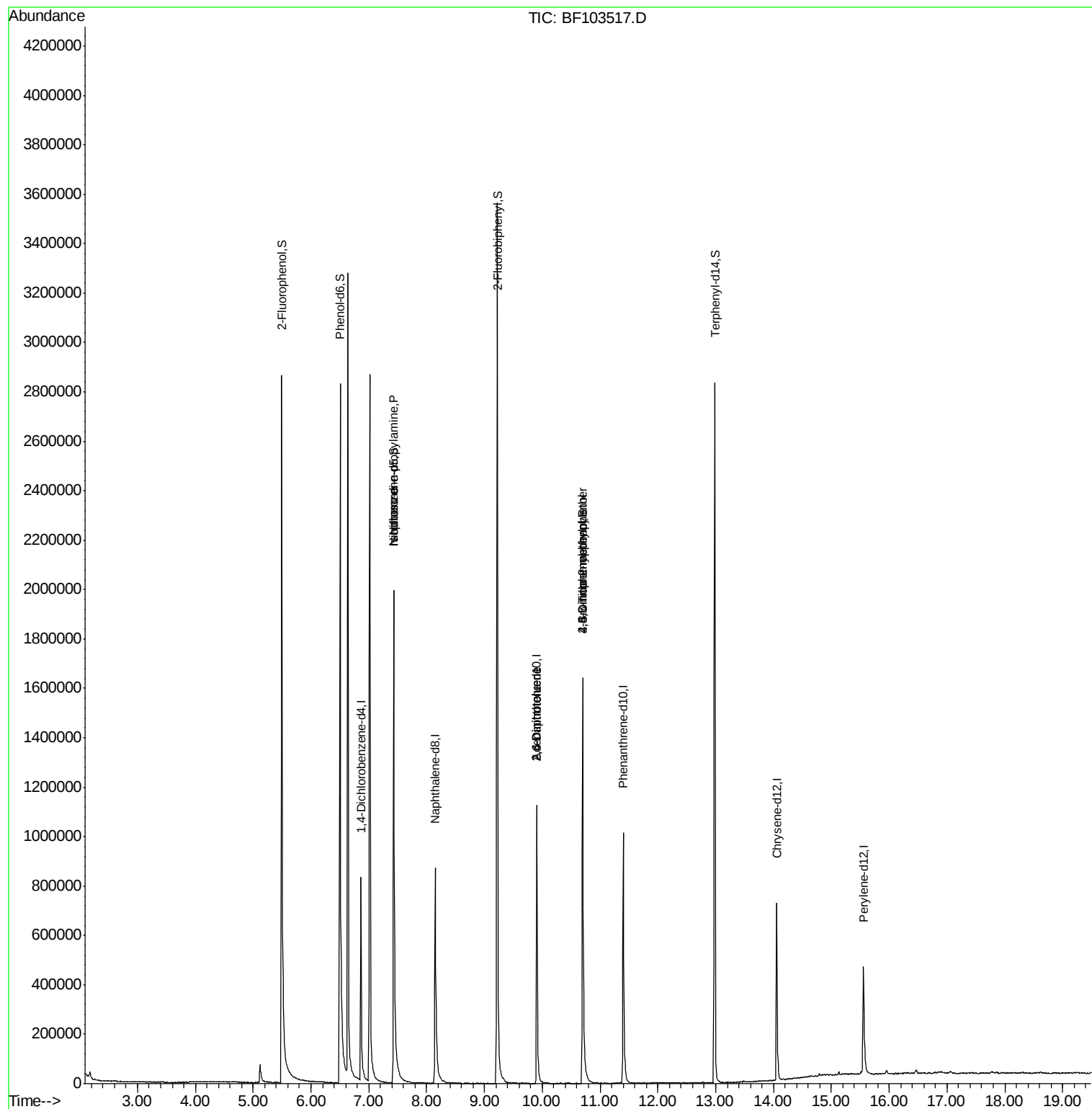
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	2300	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.43	70	124381	16.003	ng	# 82
25) Isophorone	7.43	82	959573	40.772	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	37118	7.321	ng	# 26
56) 2,4-Dinitrotoluene	9.90	165	37118	5.788	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	510	5.086	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	16045	2.886	ng	# 1

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

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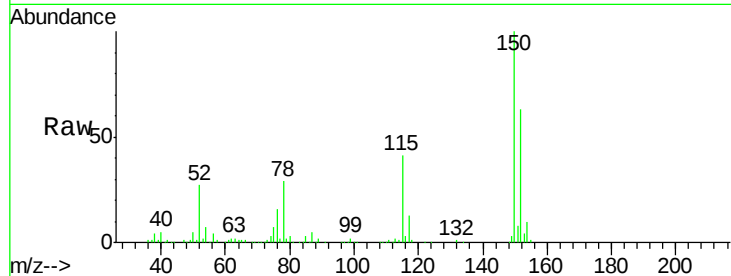


#1

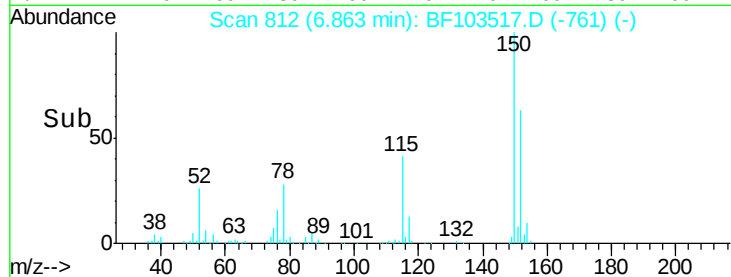
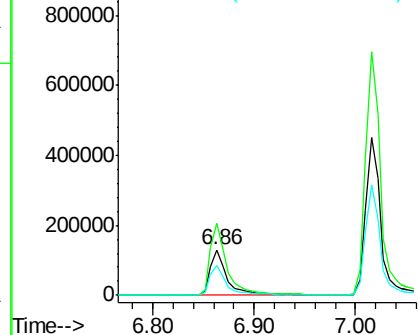
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103517.D
Acq: 8 Mar 2018 15:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.6	186.8
115	65.8	50.1	75.1



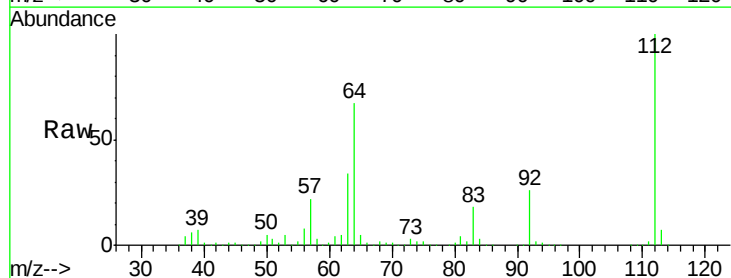
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



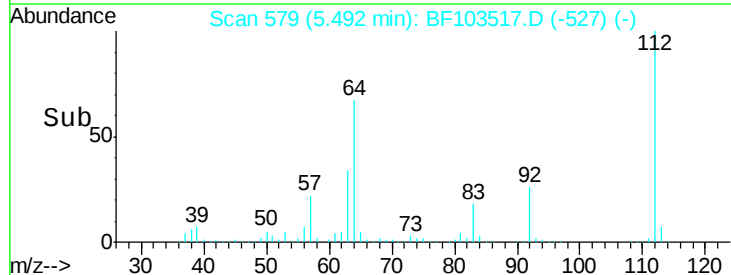
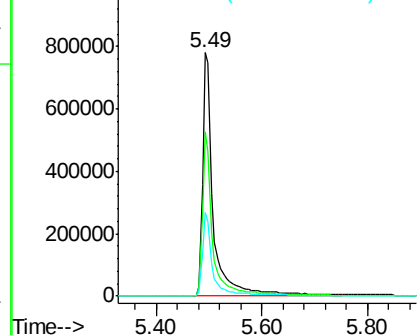
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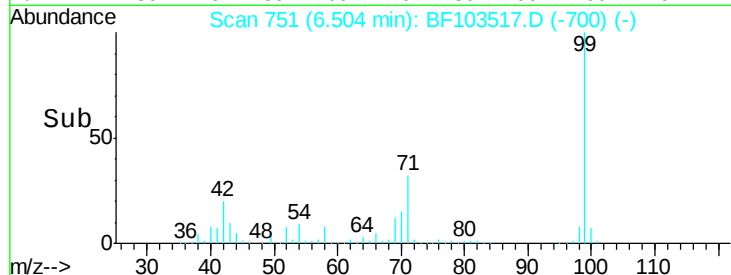
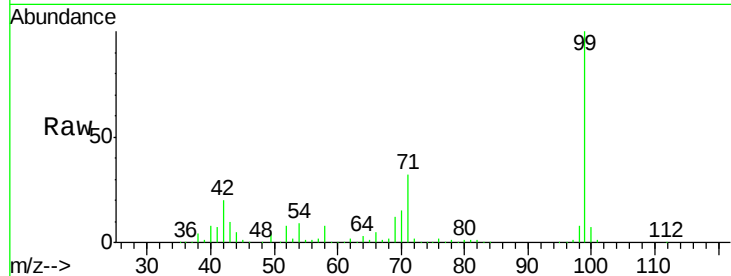
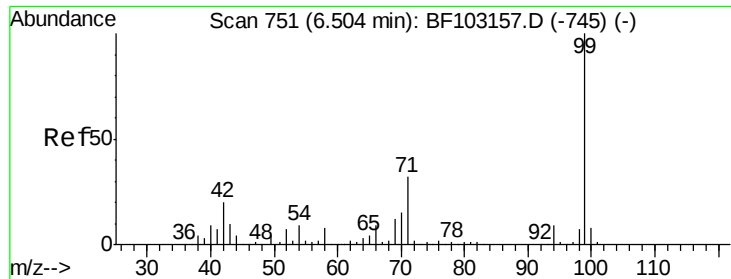
2-Fluorophenol
Concen: 112.292 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103517.D
Acq: 8 Mar 2018 15:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	47.9	71.9
63	34.2	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: 110.073 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103517.D

Acq: 8 Mar 2018 15:34

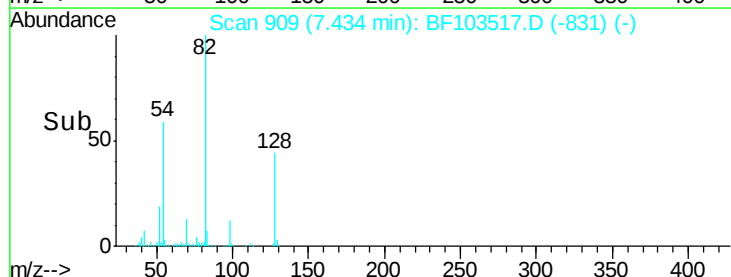
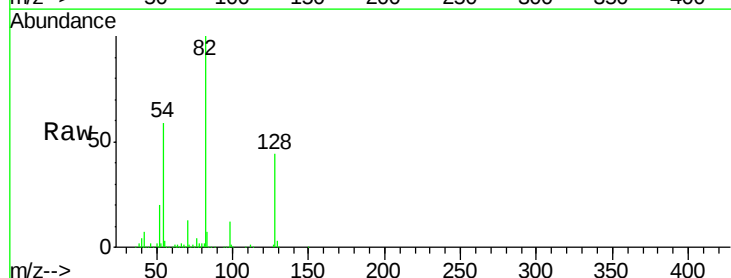
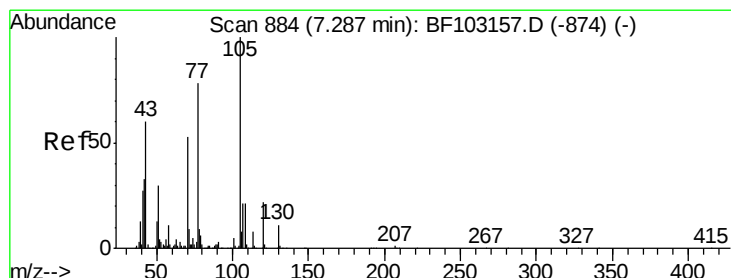
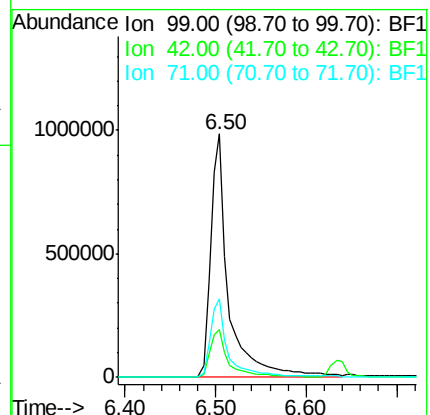
Tot Ion: 99 Resp: 1374617

Ion	Ratio	Lower	Upper
99	100		
42	19.6	14.5	21.7
71	32.4	25.4	38.0

Instrument :

BNA_F

ClientSampleId :



#19

n-Nitroso-di-n-propylamine

Concen: 16.003 ng

RT: 7.43 min Scan# 909

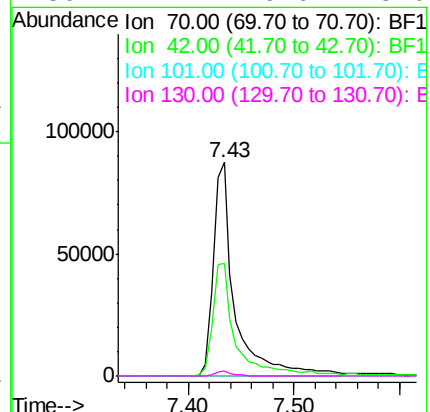
Delta R.T. 0.16 min

Lab File: BF103517.D

Acq: 8 Mar 2018 15:34

Tgt Ion: 70 Resp: 124381

Ion	Ratio	Lower	Upper
70	100		
42	52.8	47.5	71.3
101	0.0	7.4	11.2#
130	2.4	16.6	25.0#

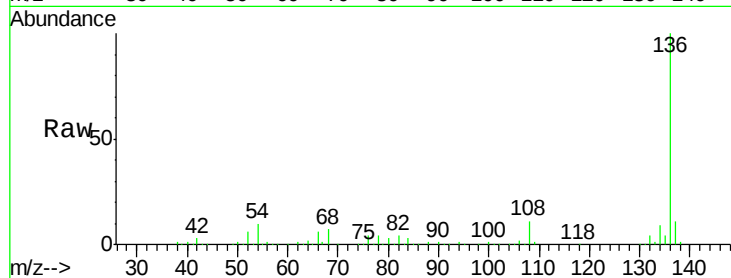




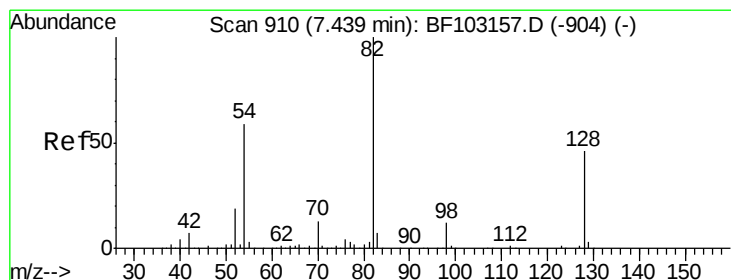
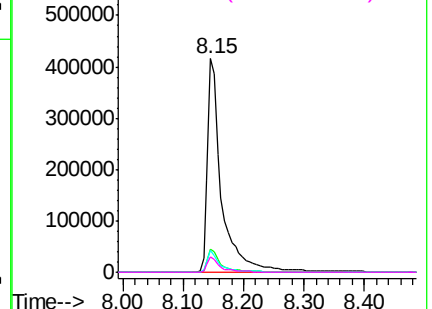
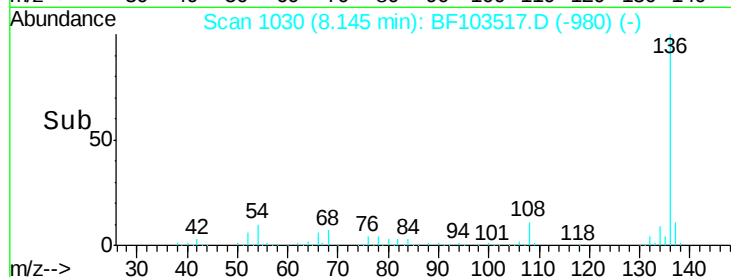
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF103517.D
Acq: 8 Mar 2018 15:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	682426
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	10.1	6.6 9.8#
68	6.9	5.0 7.4

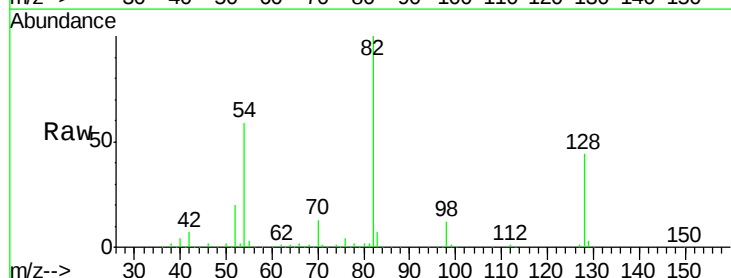


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

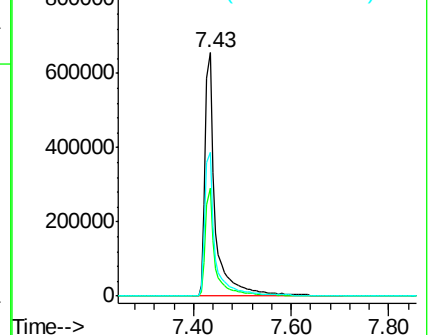
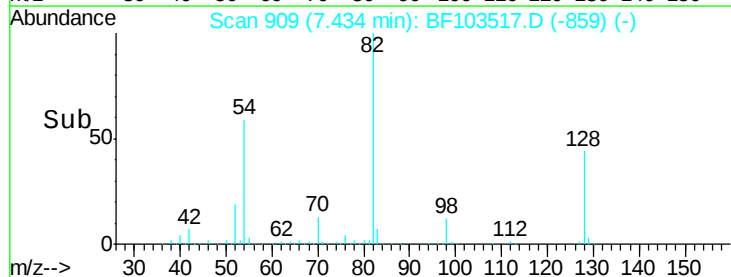


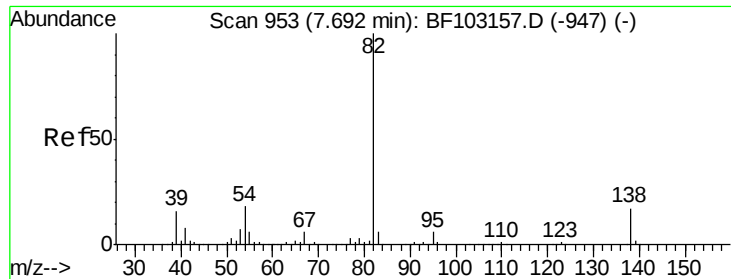
#23
Nitrobenzene-d5
Concen: 80.301 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103517.D
Acq: 8 Mar 2018 15:34

Tgt Ion: 82	Resp:	959573
Ion Ratio	Lower	Upper
82	100	
128	44.4	36.1 54.1
54	59.3	41.4 62.2



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





#25

Isophorone

Concen: 40.772 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.25 min

Lab File: BF103517.D

Acq: 8 Mar 2018 15:34

Instrument :

BNA_F

ClientSampleId :

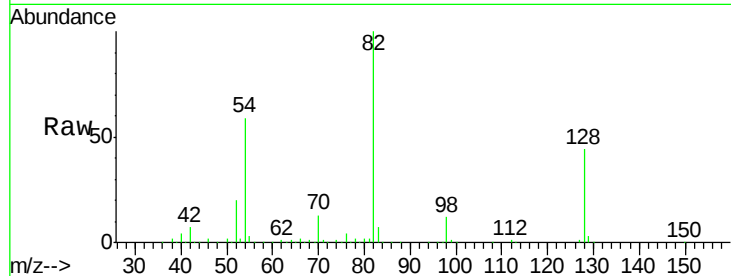
Tot Ion: 82 Resp: 959573

Ion Ratio Lower Upper

82 100

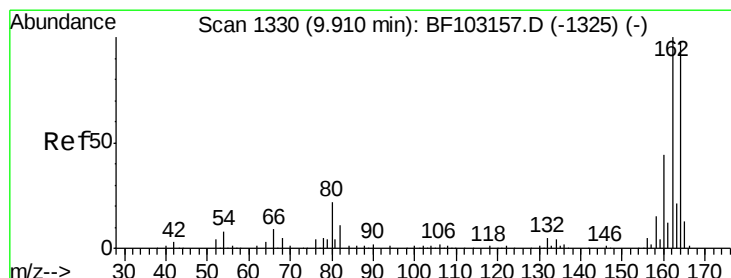
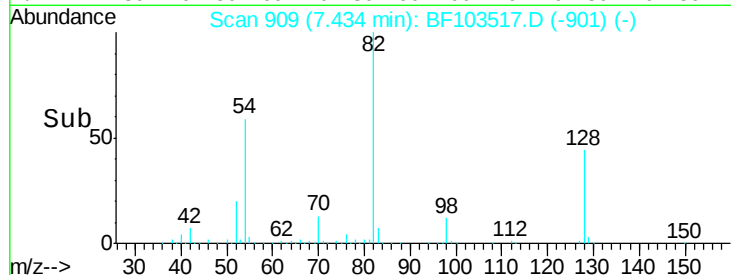
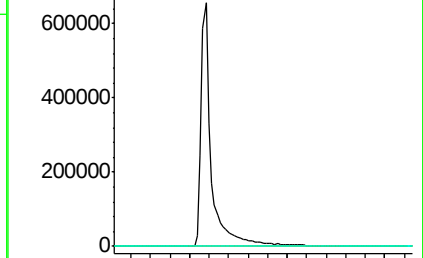
95 0.0 5.2 7.8#

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

7.43



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF103517.D

Acq: 8 Mar 2018 15:34

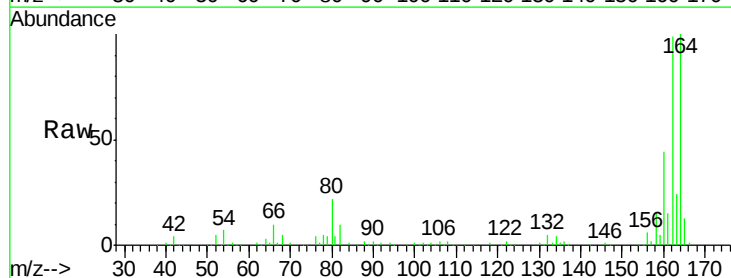
Tgt Ion:164 Resp: 301182

Ion Ratio Lower Upper

164 100

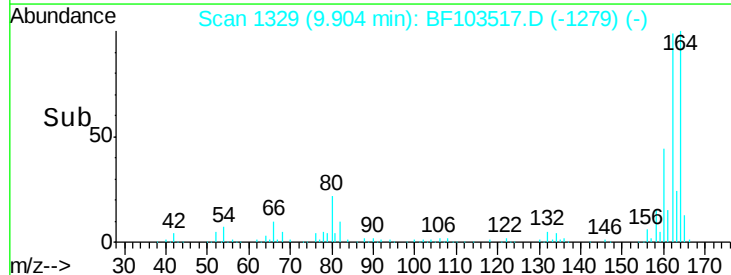
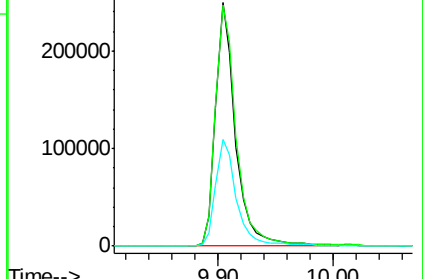
162 98.8 86.1 129.1

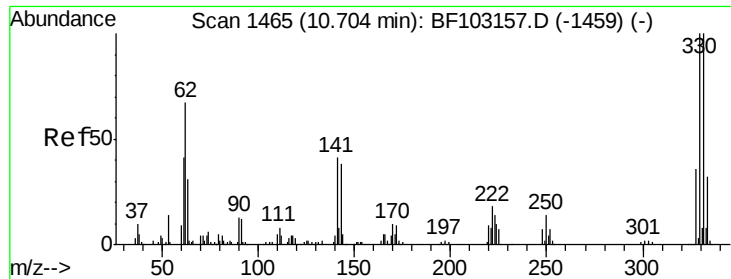
160 43.7 38.3 57.5



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

9.90

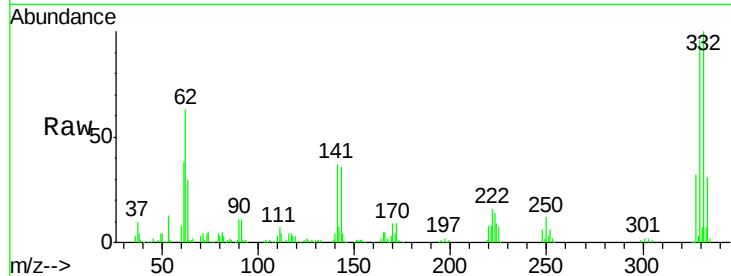




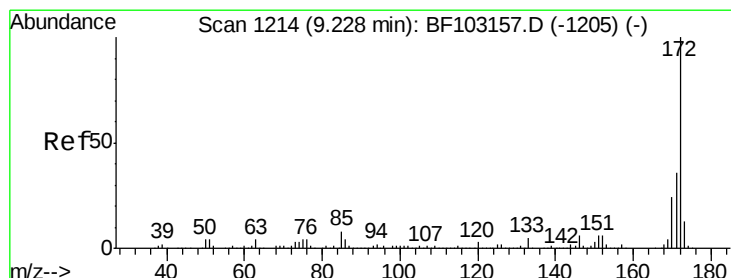
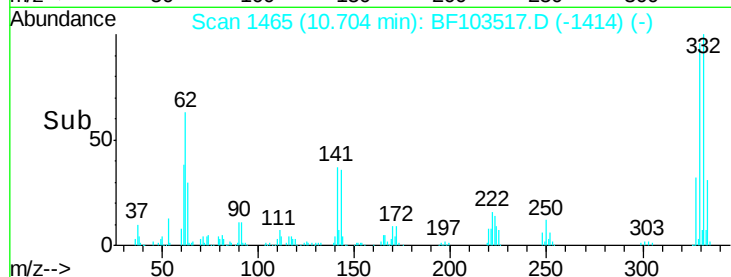
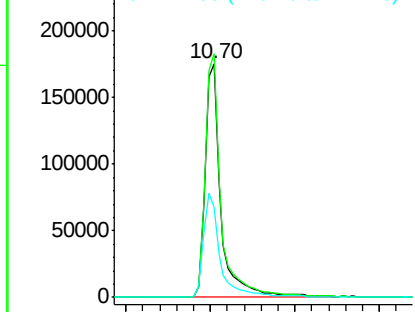
#41
 2,4,6-Tribromophenol
 Concen: 89.861 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103517.D
 Acq: 8 Mar 2018 15:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 229086
 Ion Ratio Lower Upper
 330 100
 332 104.6 77.0 115.6
 141 47.3 29.9 44.9#

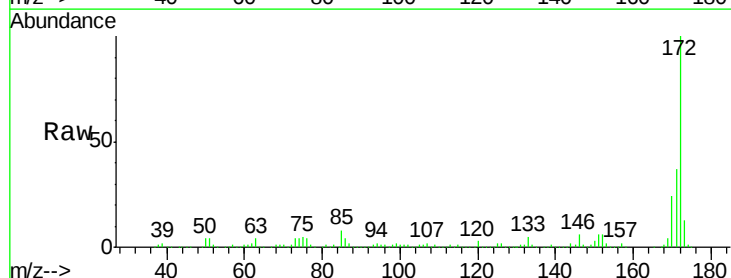


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

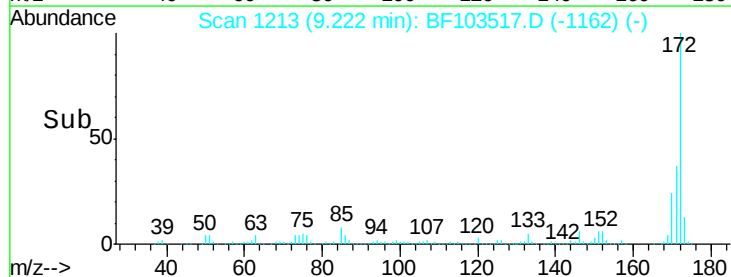
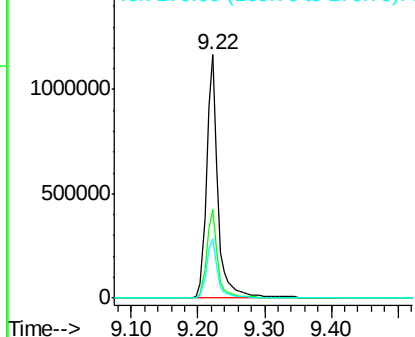


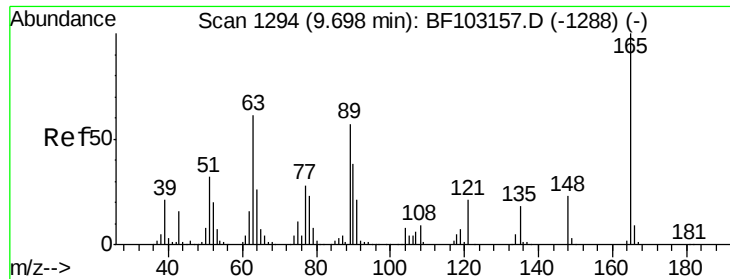
#44
 2-Fluorobiphenyl
 Concen: 77.174 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF103517.D
 Acq: 8 Mar 2018 15:34

Tgt Ion:172 Resp: 1379413
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.7 44.5
 170 24.3 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

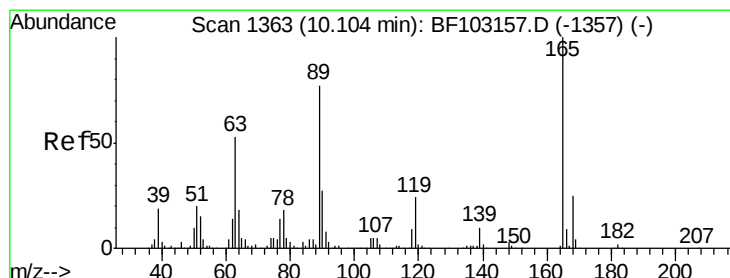
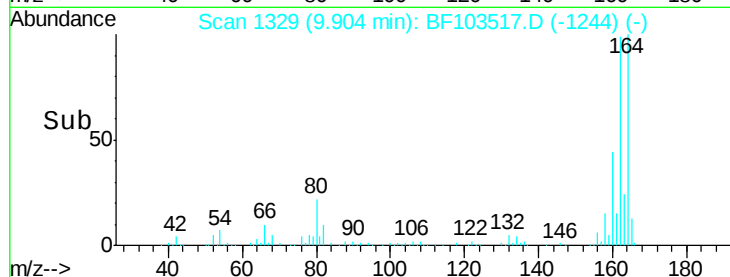
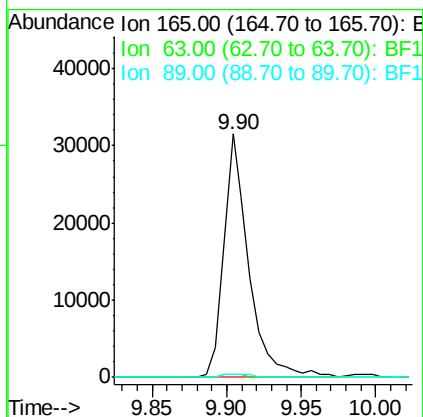
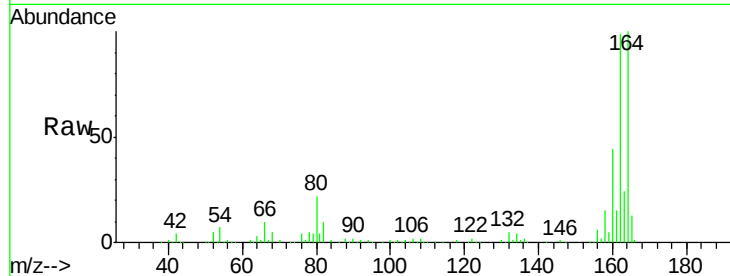




#50
2,6-Dinitrotoluene
Concen: 7.321 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.20 min
Lab File: BF103517.D
Acq: 8 Mar 2018 15:34

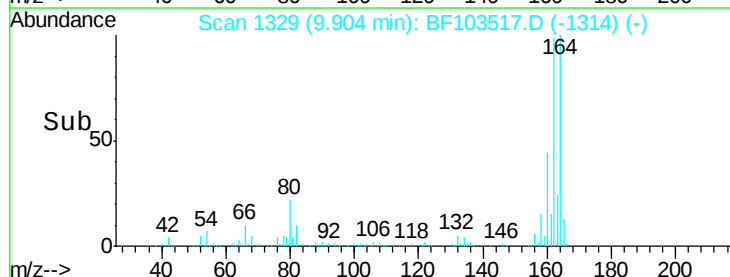
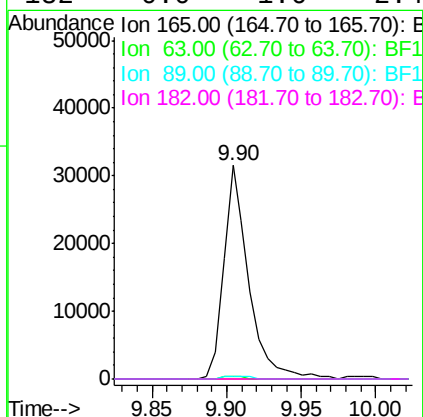
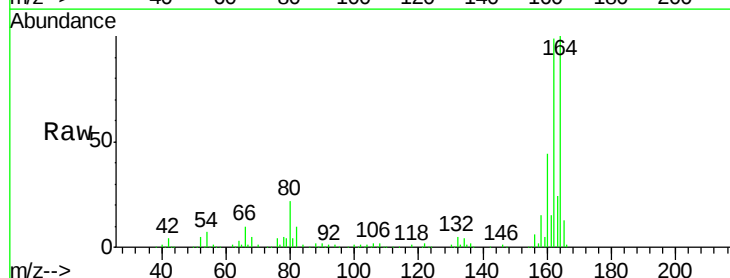
Instrument :
BNA_F
ClientSampleId :

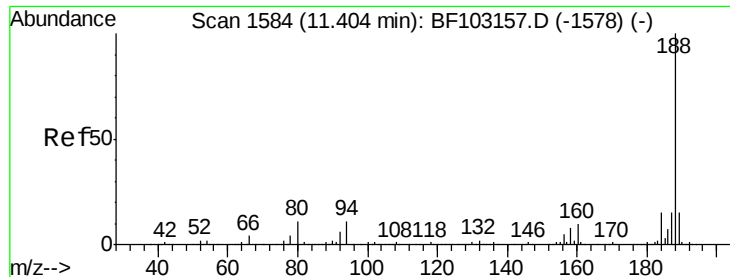
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.4	44.0	66.0#



#56
2,4-Dinitrotoluene
Concen: 5.788 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.21 min
Lab File: BF103517.D
Acq: 8 Mar 2018 15:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

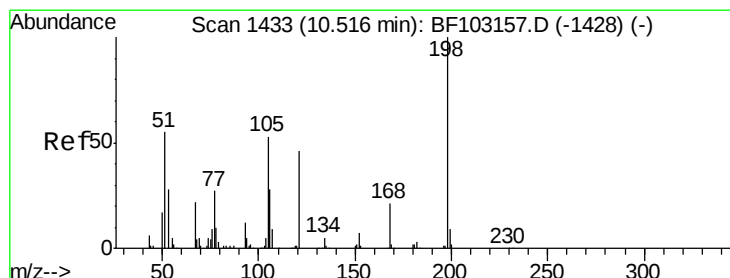
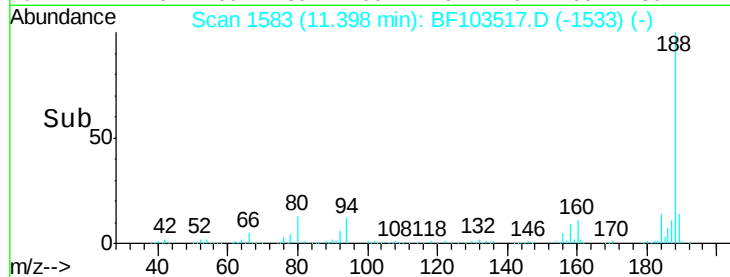
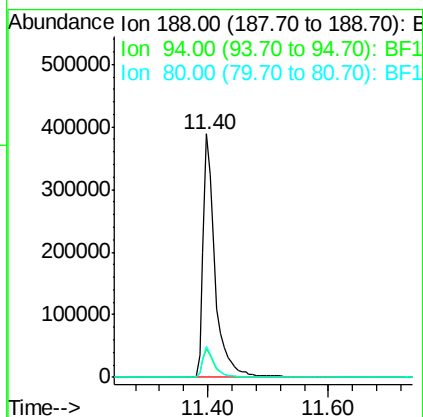
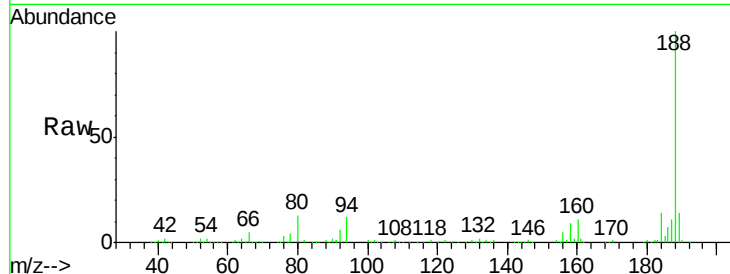




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF103517.D
 Acq: 8 Mar 2018 15:34

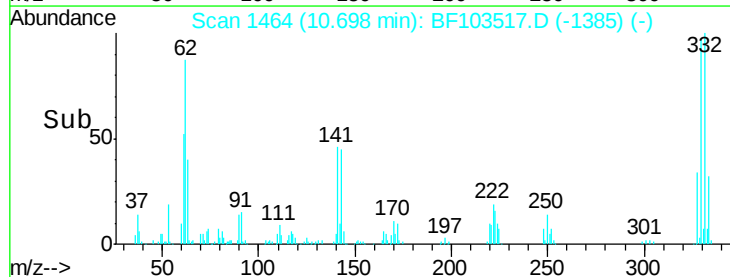
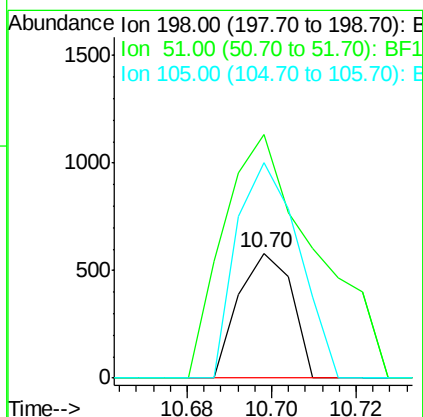
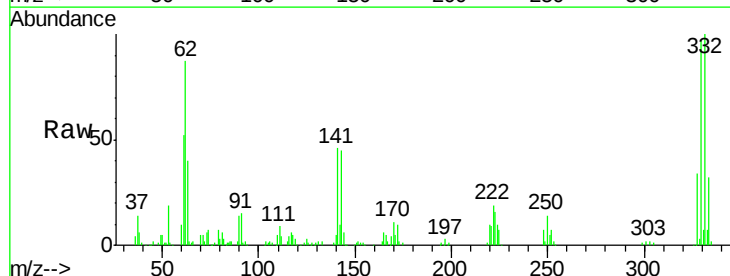
Instrument :
 BNA_F
 ClientSampleId :

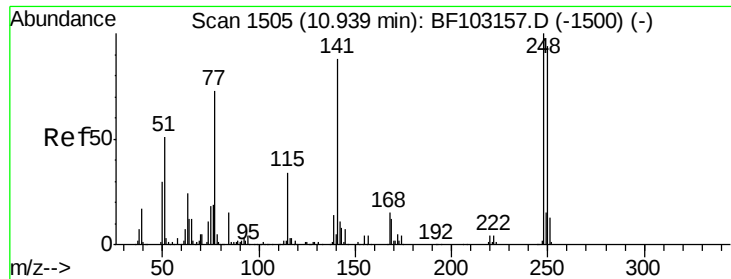
Tot Ion:188 Resp: 533719
 Ion Ratio Lower Upper
 188 100
 94 12.0 8.5 12.7
 80 12.7 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.086 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.16 min
 Lab File: BF103517.D
 Acq: 8 Mar 2018 15:34

Tgt Ion:198 Resp: 510
 Ion Ratio Lower Upper
 198 100
 51 194.8 37.7 77.7#
 105 172.6 36.3 76.3#

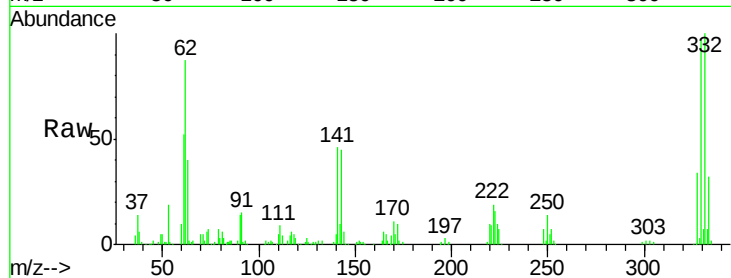




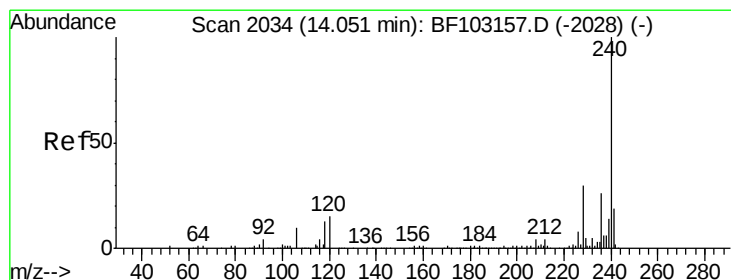
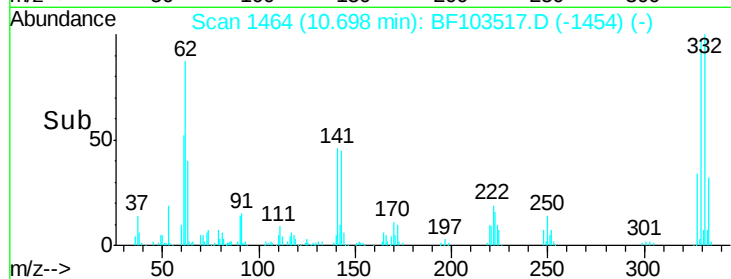
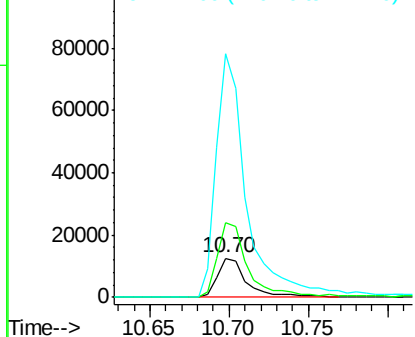
#66
 4-Bromophenyl-phenylether
 Concen: 2.886 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.24 min
 Lab File: BF103517.D
 Acq: 8 Mar 2018 15:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 16045
 Ion Ratio Lower Upper
 248 100
 250 192.6 76.9 115.3#
 141 627.0 74.4 111.6#

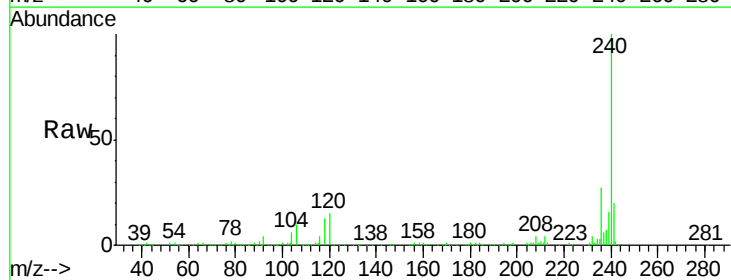


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

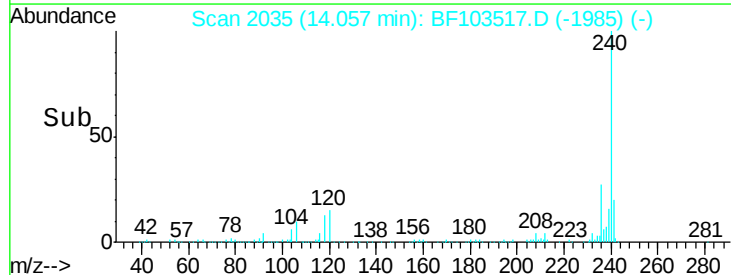
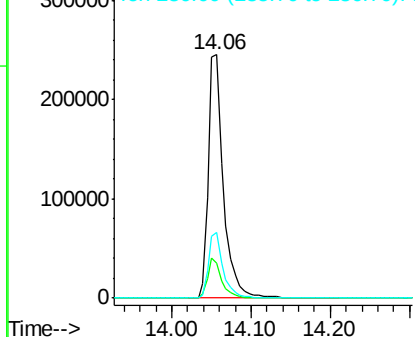


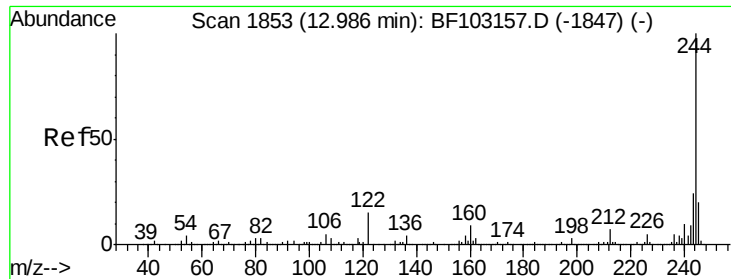
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF103517.D
 Acq: 8 Mar 2018 15:34

Tgt Ion:240 Resp: 323100
 Ion Ratio Lower Upper
 240 100
 120 14.5 9.5 14.3#
 236 26.8 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

Terphenyl-d14

Concen: 81.855 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF103517.D

Acq: 8 Mar 2018 15:34

Instrument :

BNA_F

ClientSampleId :

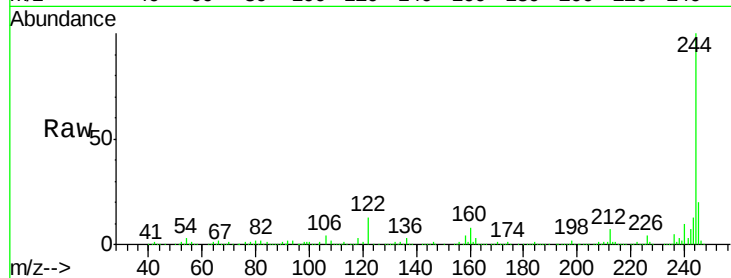
Tot Ion:244 Resp: 1100201

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

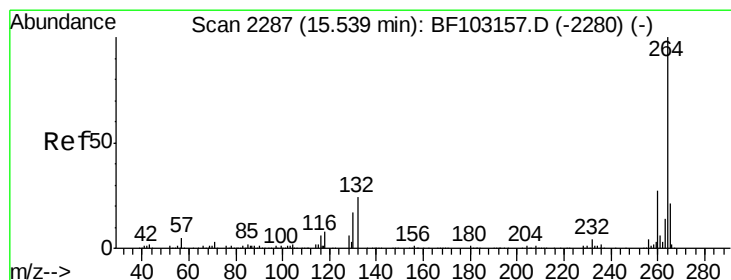
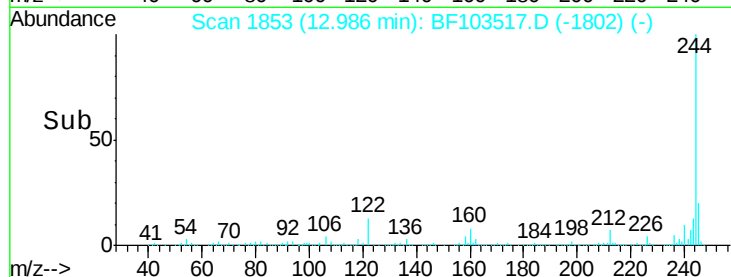
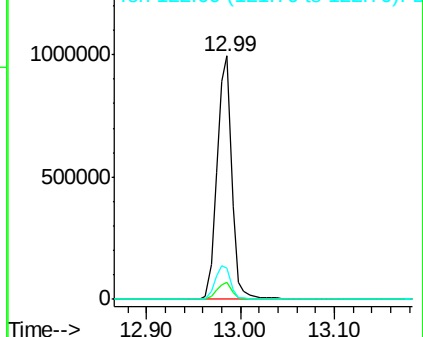
122 12.9 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2290

Delta R.T. -0.01 min

Lab File: BF103517.D

Acq: 8 Mar 2018 15:34

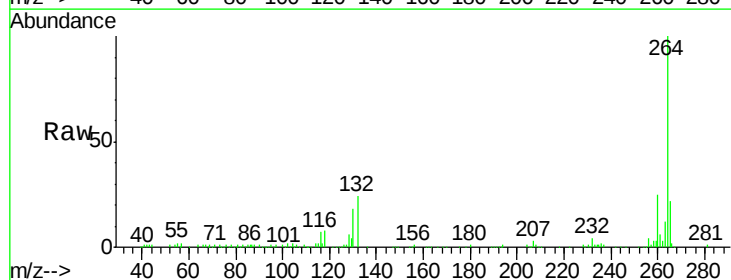
Tgt Ion:264 Resp: 265792

Ion Ratio Lower Upper

264 100

260 25.0 19.2 28.8

265 22.1 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

