

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104531.D
 Acq On : 16 Apr 2018 13:52
 Operator : JU/SJ
 Sample : PB108229BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 16 14:53:49 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 16 12:15:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	154808	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	635138	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	279048	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	422660	20.00	ng	0.00
75) Chrysene-d12	13.99	240	311691	20.00	ng	0.00
86) Perylene-d12	15.46	264	259716	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	1033871	102.12	ng	0.02
7) Phenol-d6	6.45	99	1382841	111.16	ng	0.00
23) Nitrobenzene-d5	7.37	82	866132	89.05	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	278609	96.25	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1451164	82.15	ng	0.00
78) Terphenyl-d14	12.93	244	1058413	77.42	ng	0.00

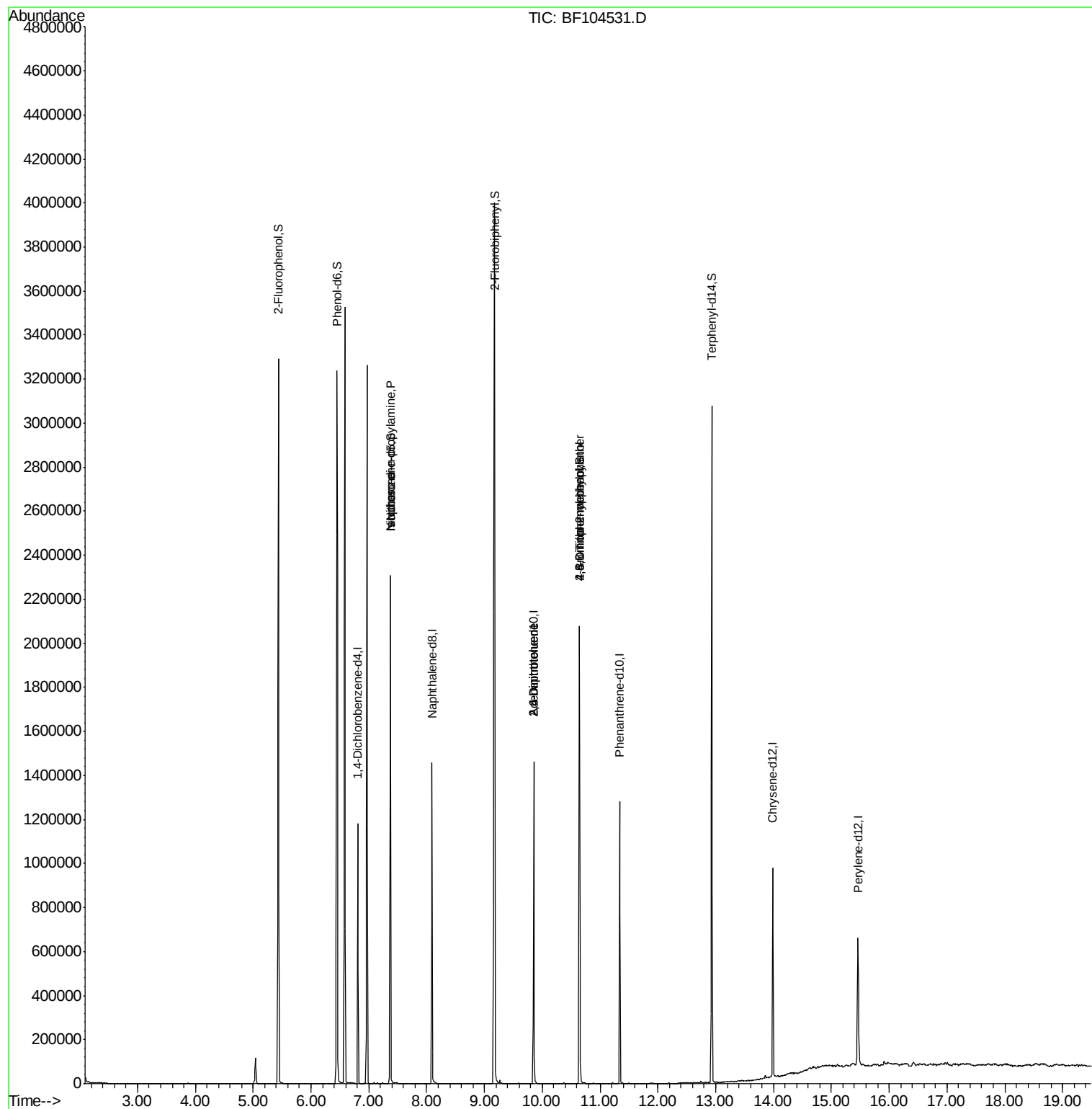
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1894	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	113777	13.997	ng	# 72
25) Isophorone	7.37	82	863784	41.995	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	35365	8.685	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	35365	6.621	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.65	198	454	7.534	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	16428	3.654	ng	# 1
76) Benzydine	12.69	184	1030	Below Cal	#	66

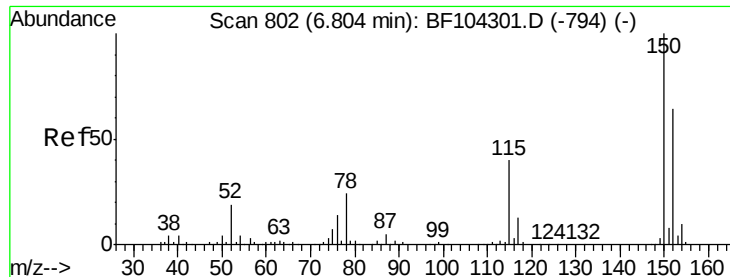
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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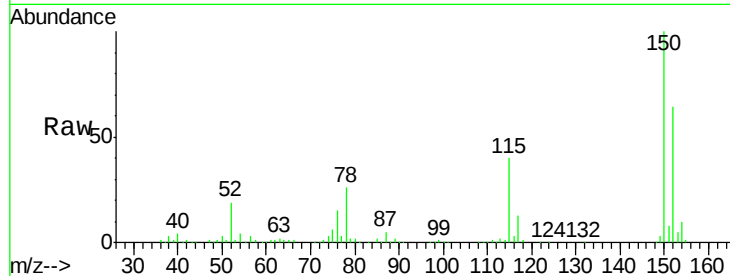


#1

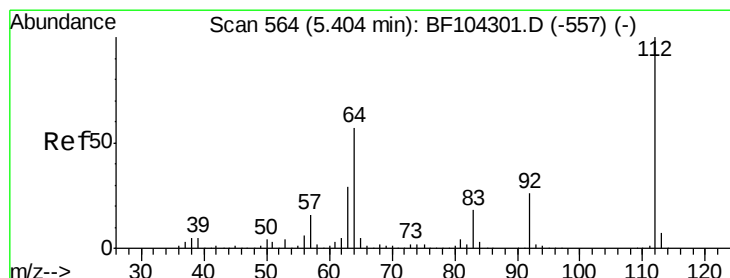
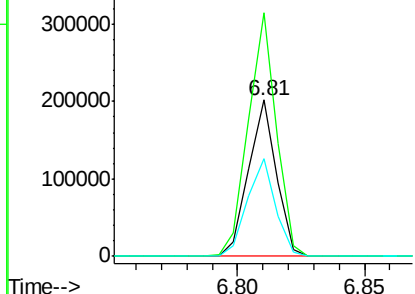
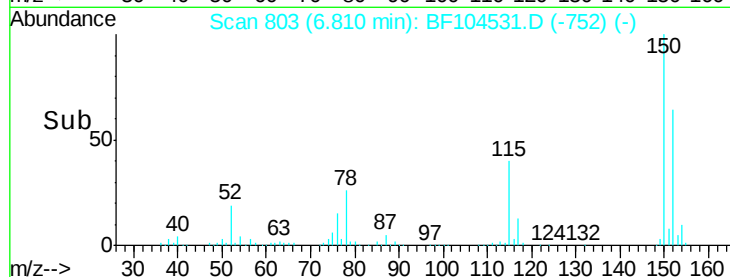
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104531.D
Acq: 16 Apr 2018 13:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 154808
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 62.6 50.1 75.1



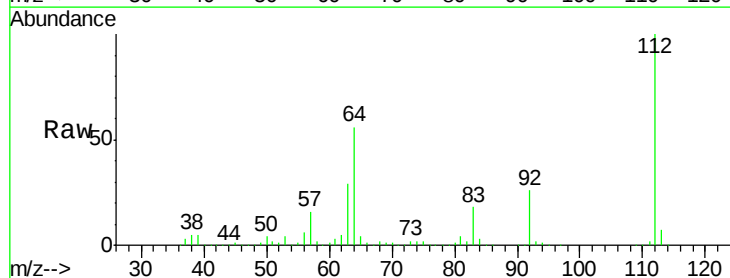
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



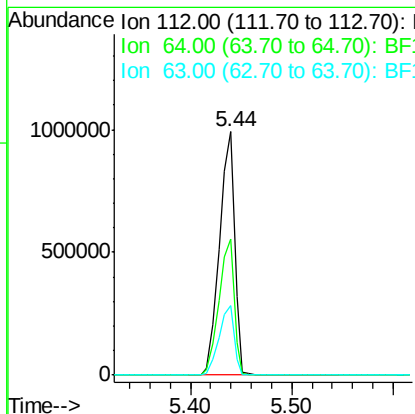
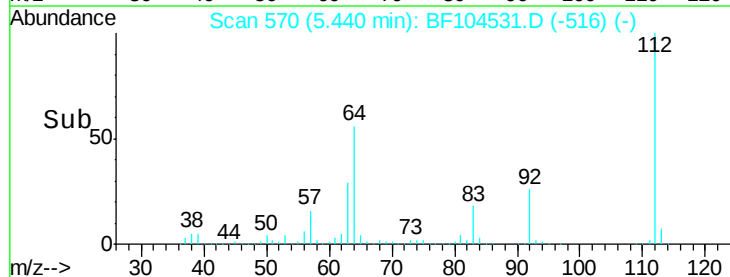
#5

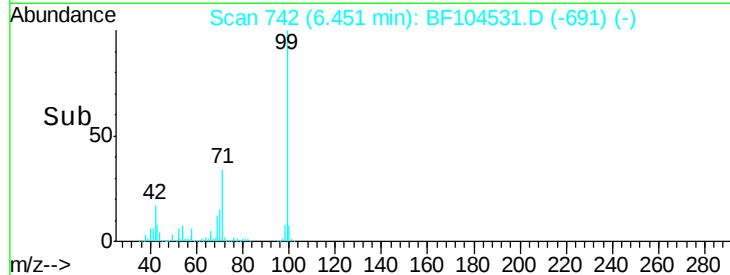
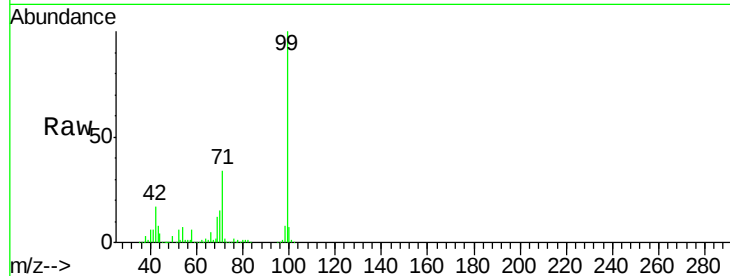
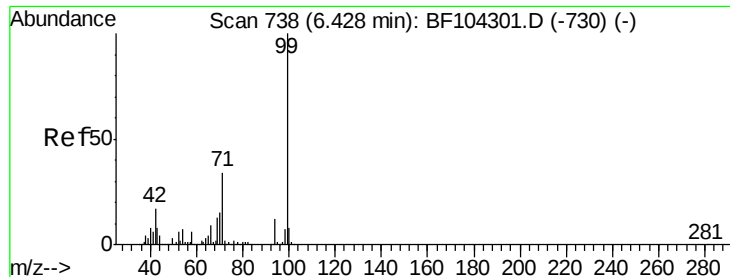
2-Fluorophenol
Concen: 102.117 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF104531.D
Acq: 16 Apr 2018 13:52

Tgt Ion:112 Resp: 1033871
Ion Ratio Lower Upper
112 100
64 55.7 47.9 71.9
63 28.5 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: 111.164 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF104531.D

Acq: 16 Apr 2018 13:52

Instrument :

BNA_F

ClientSampleId :

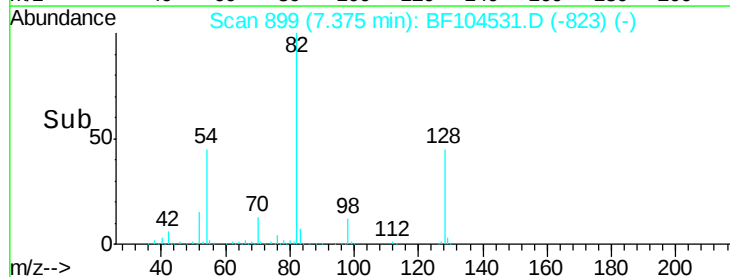
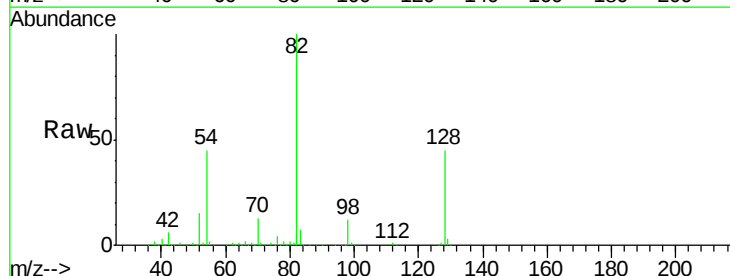
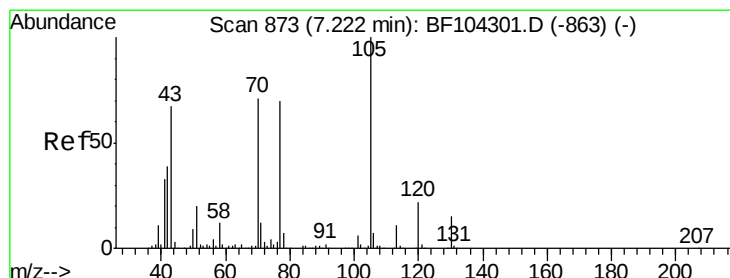
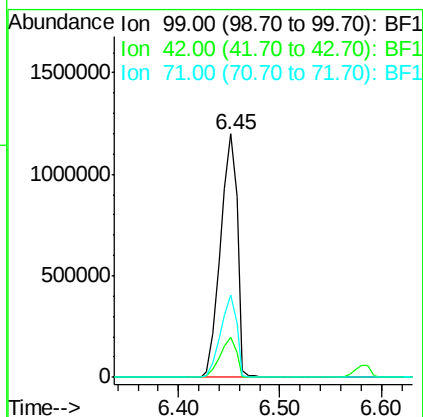
Tot Ion: 99 Resp: 1382841

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

71 33.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.997 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104531.D

Acq: 16 Apr 2018 13:52

Tgt Ion: 70 Resp: 113777

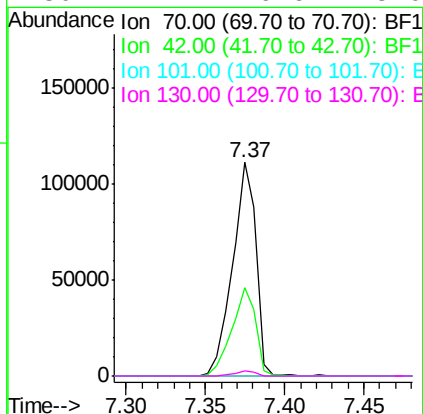
Ion Ratio Lower Upper

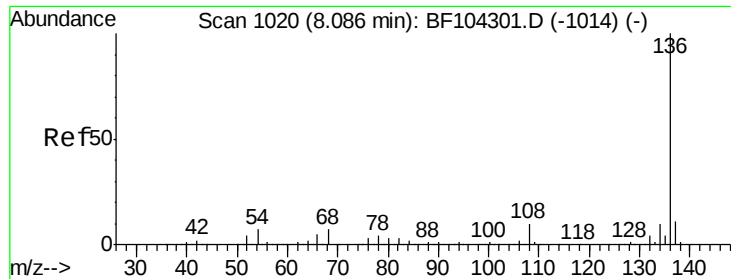
70 100

42 41.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

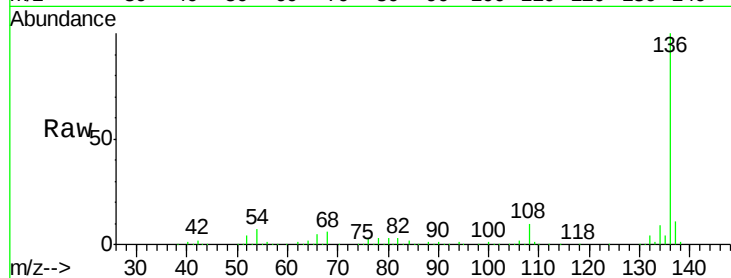




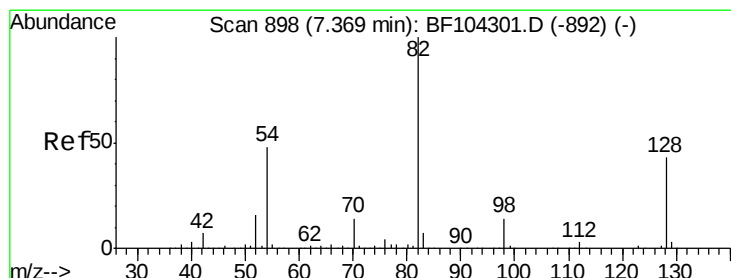
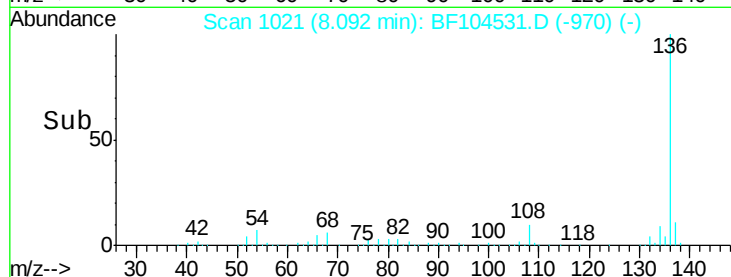
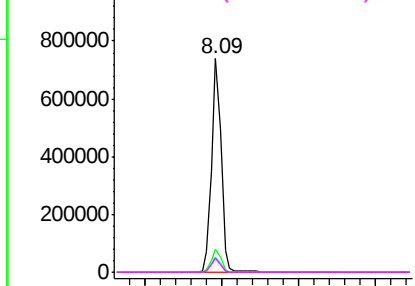
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104531.D
Acq: 16 Apr 2018 13:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	635138
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	7.1	6.6 9.8
68	6.3	5.0 7.4

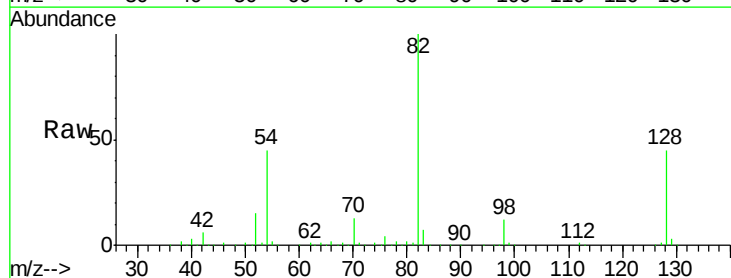


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

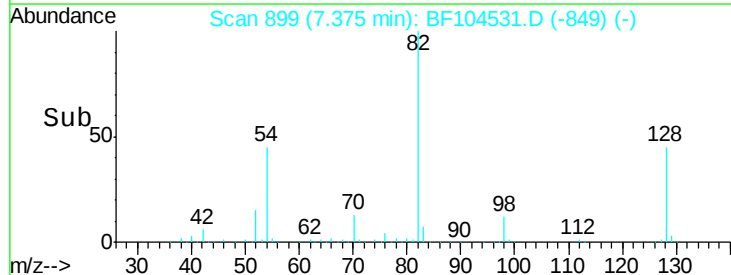
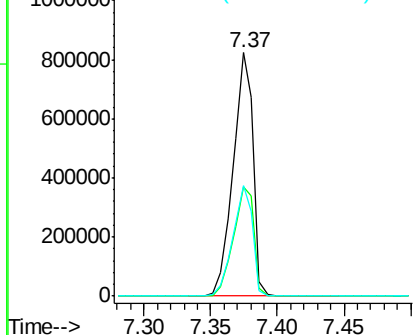


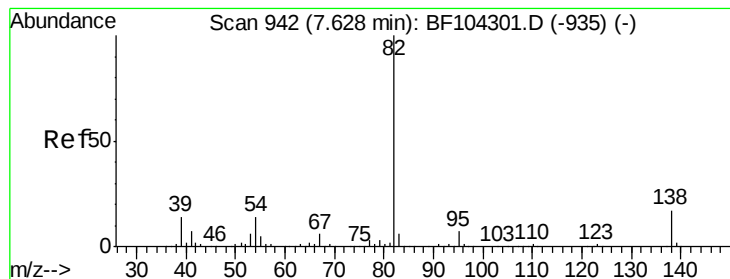
#23
Nitrobenzene-d5
Concen: 89.046 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104531.D
Acq: 16 Apr 2018 13:52

Tgt Ion: 82	Resp:	866132
Ion Ratio	Lower	Upper
82	100	
128	44.9	36.1 54.1
54	45.3	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: 41.995 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104531.D

Acq: 16 Apr 2018 13:52

Instrument :

BNA_F

ClientSampleId :

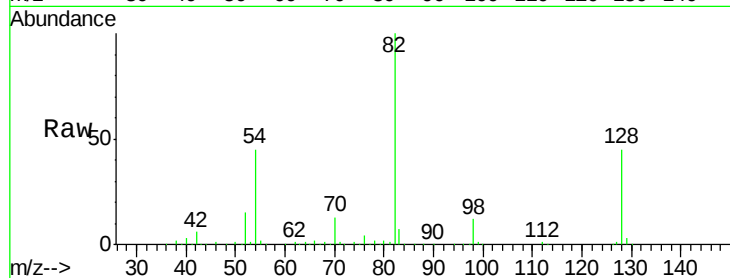
Tot Ion: 82 Resp: 863784

Ion Ratio Lower Upper

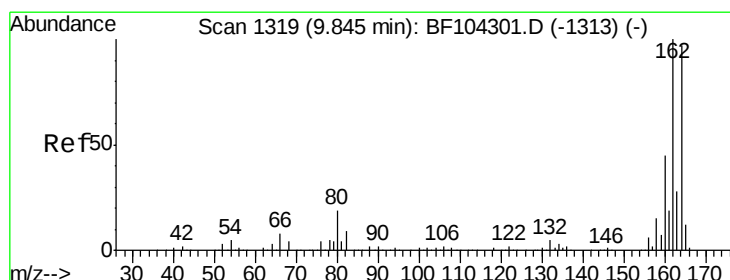
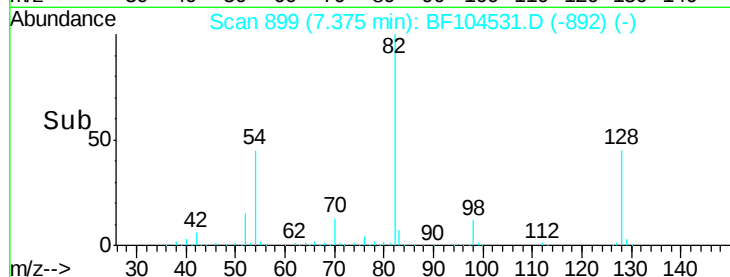
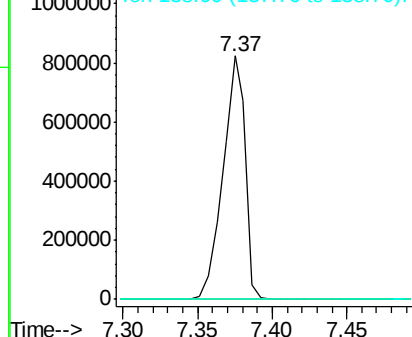
82 100

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: 9.85 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BF104531.D

Acq: 16 Apr 2018 13:52

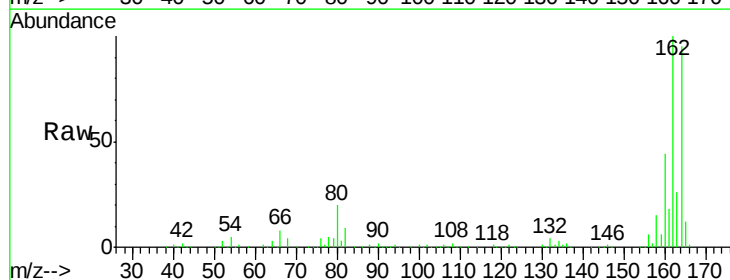
Tgt Ion: 164 Resp: 279048

Ion Ratio Lower Upper

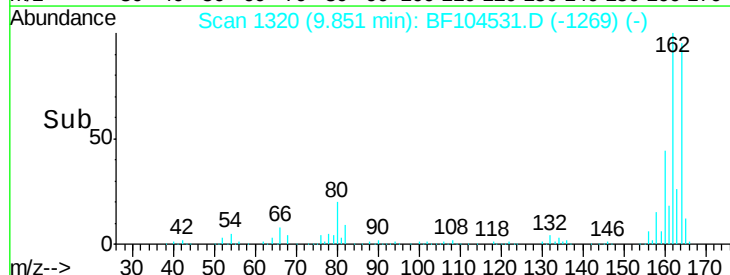
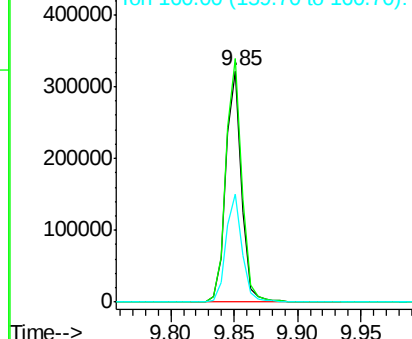
164 100

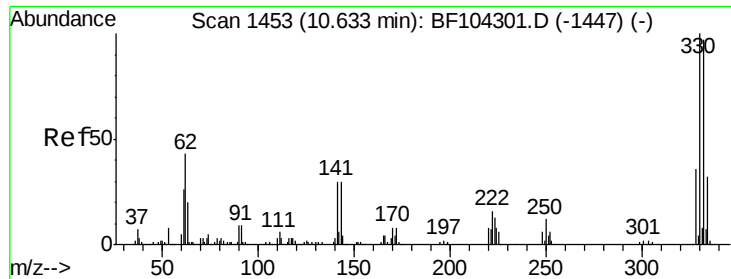
162 105.4 86.1 129.1

160 46.5 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

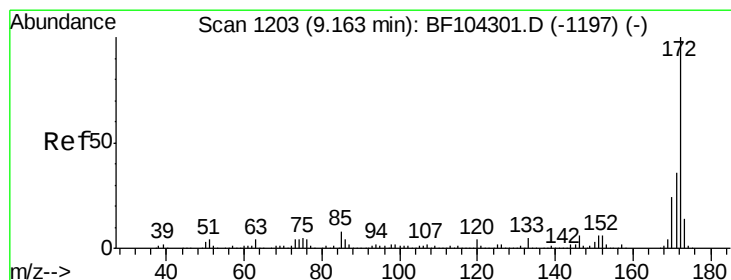
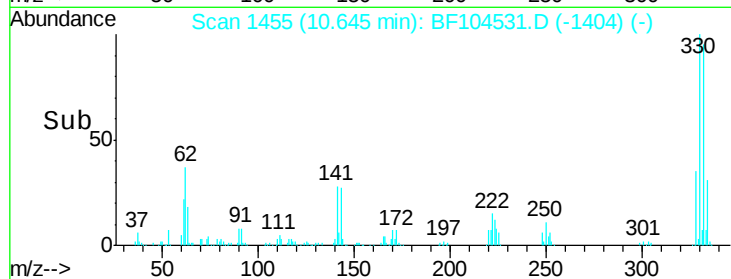
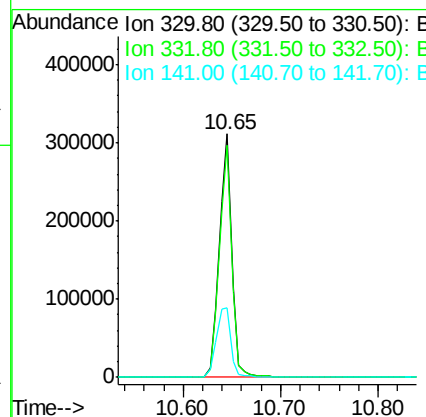
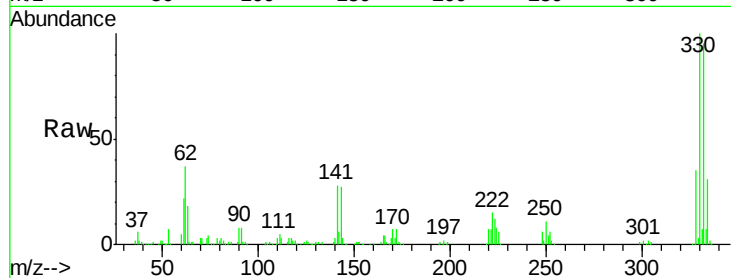




#41
 2,4,6-Tribromophenol
 Concen: 96.250 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF104531.D
 Acq: 16 Apr 2018 13:52

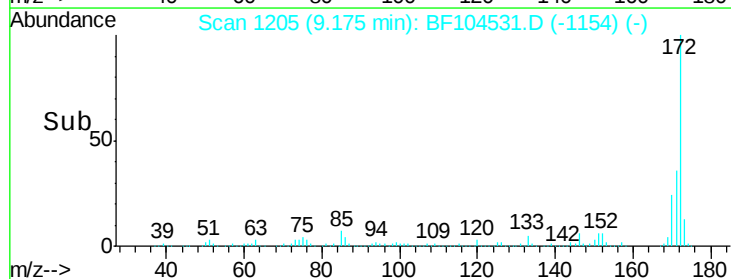
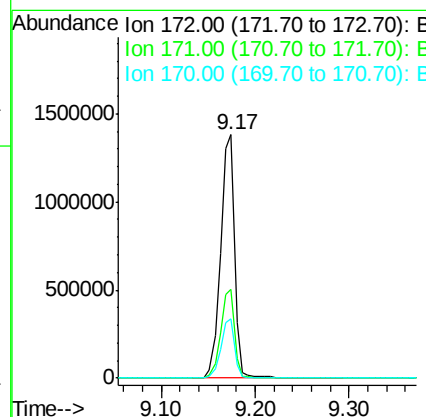
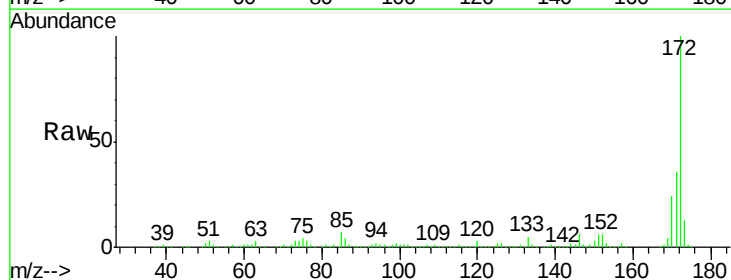
Instrument :
 BNA_F
 ClientSampleId :

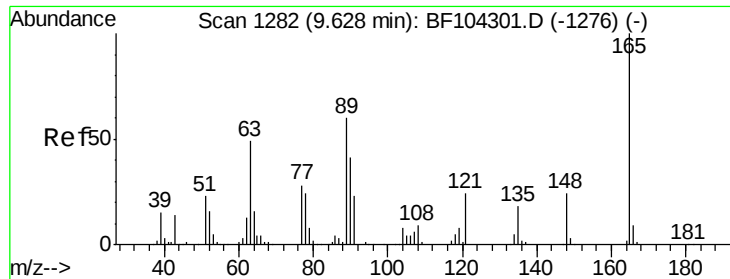
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	33.2	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 82.154 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF104531.D
 Acq: 16 Apr 2018 13:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.2	19.6	29.4

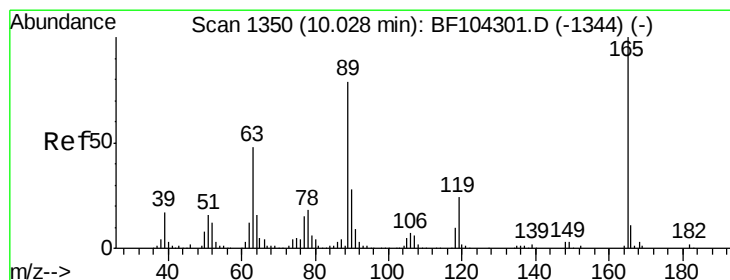
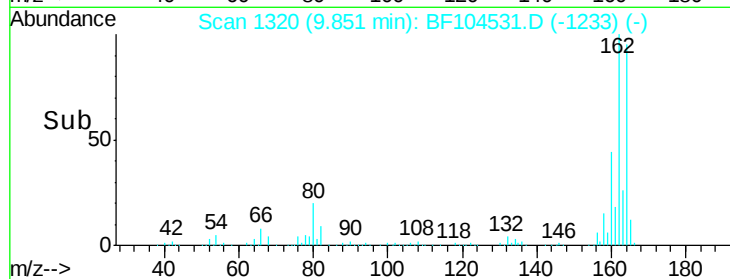
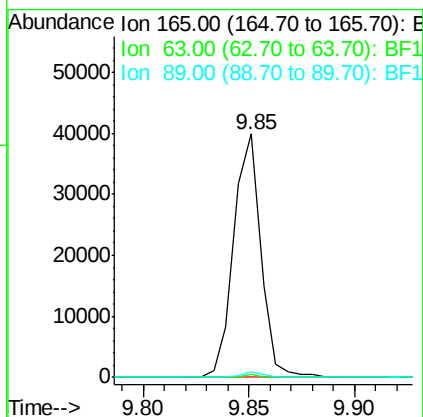
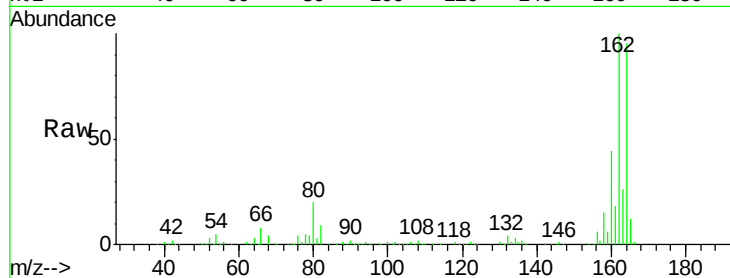




#50
 2,6-Dinitrotoluene
 Concen: 8.685 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF104531.D
 Acq: 16 Apr 2018 13:52

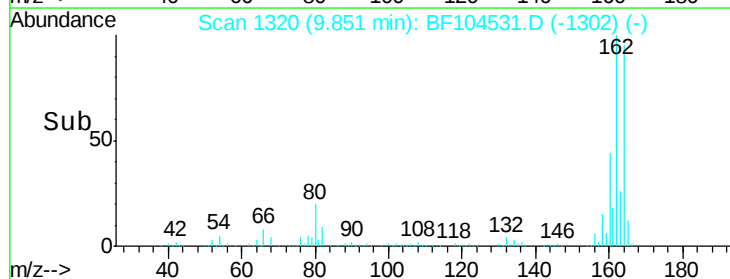
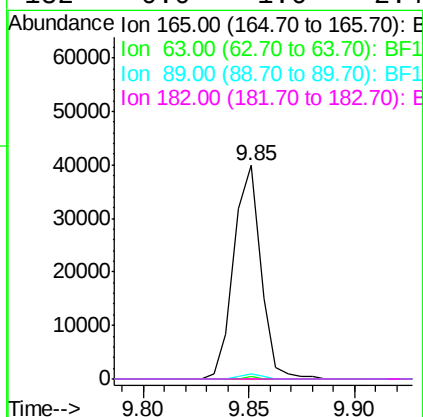
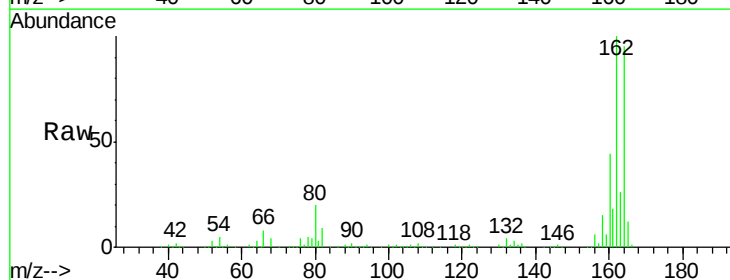
Instrument :
 BNA_F
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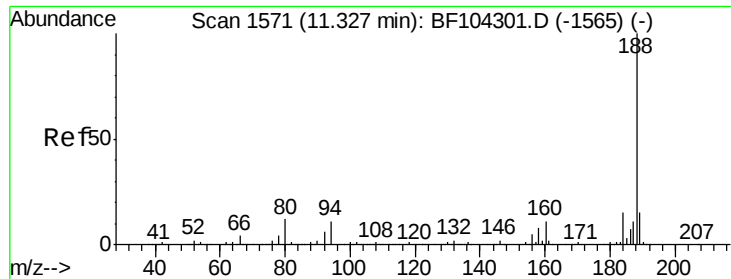
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	2.1	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.621 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF104531.D
 Acq: 16 Apr 2018 13:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	2.1	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.00 min

Lab File: BF104531.D

Acq: 16 Apr 2018 13:52

Instrument :

BNA_F

ClientSampleId :

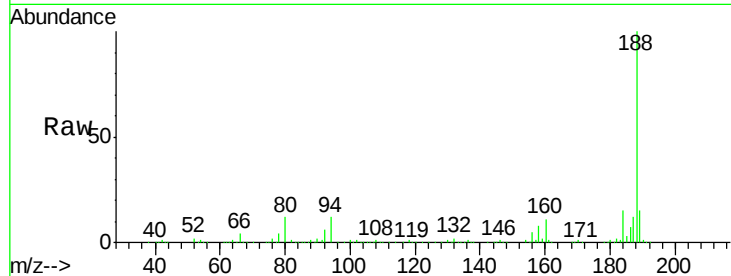
Tot Ion:188 Resp: 422660

Ion Ratio Lower Upper

188 100

94 11.7 8.5 12.7

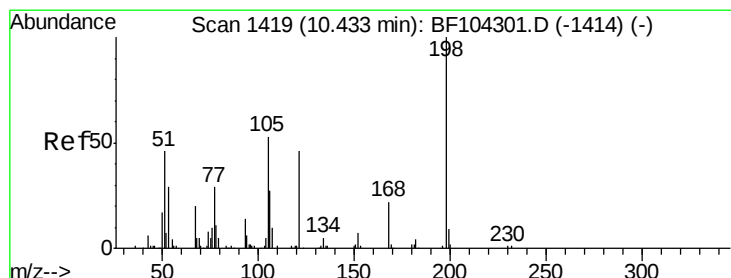
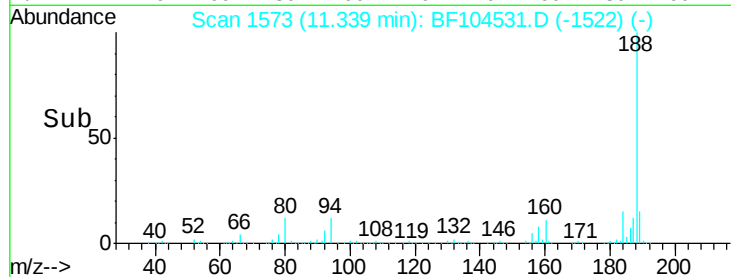
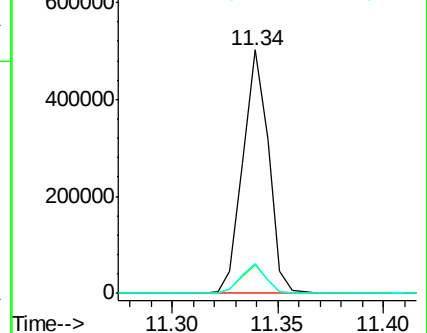
80 12.2 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 7.534 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.19 min

Lab File: BF104531.D

Acq: 16 Apr 2018 13:52

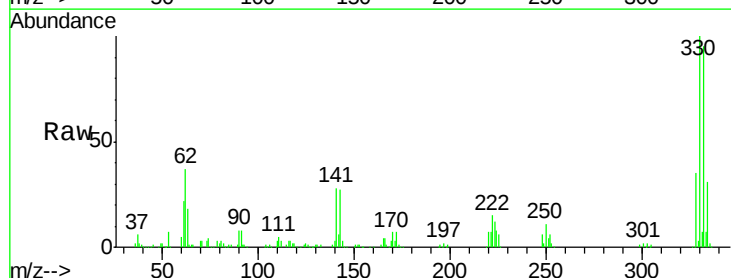
Tgt Ion:198 Resp: 454

Ion Ratio Lower Upper

198 100

51 112.6 37.7 77.7#

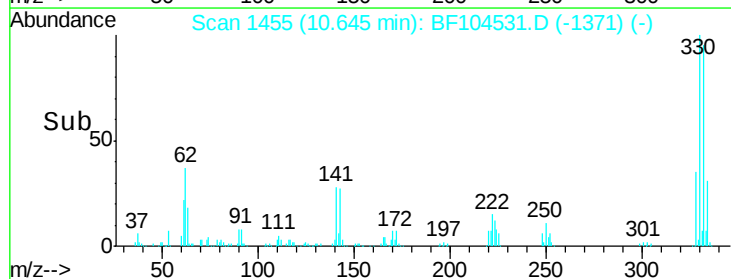
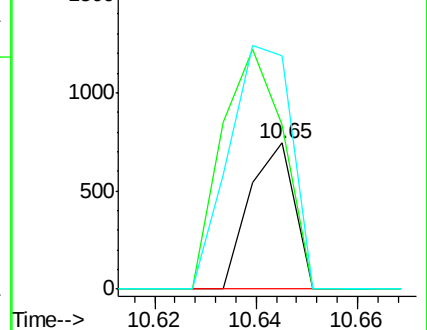
105 159.9 36.3 76.3#

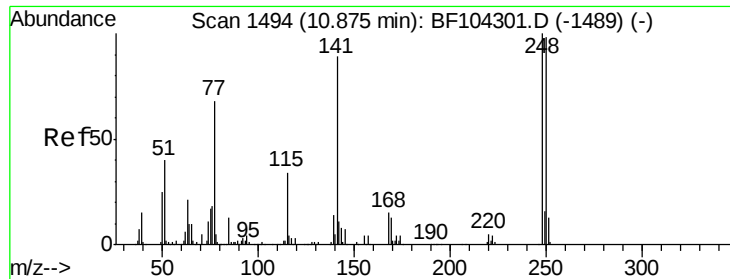


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

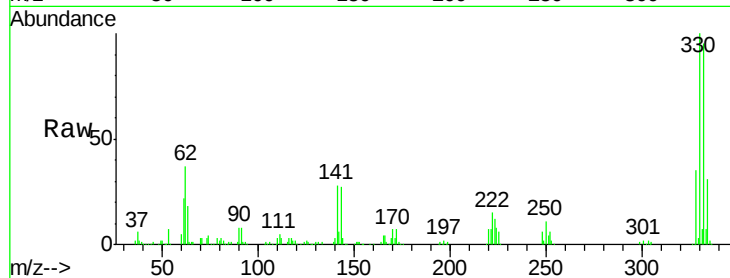




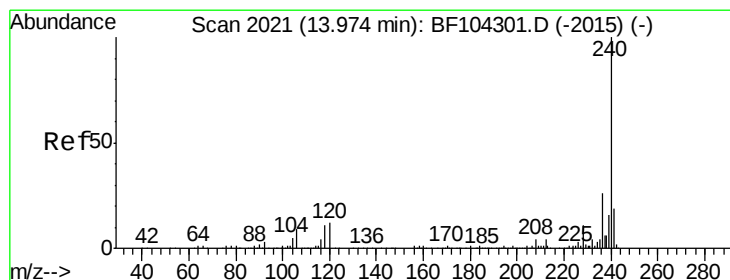
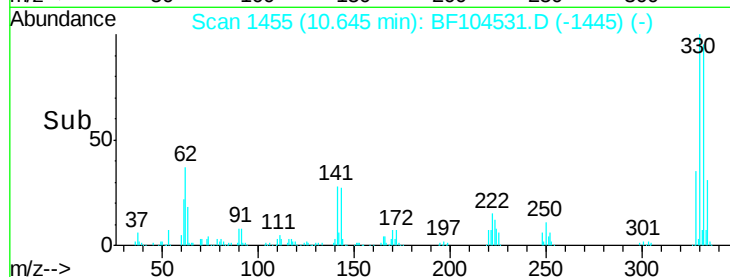
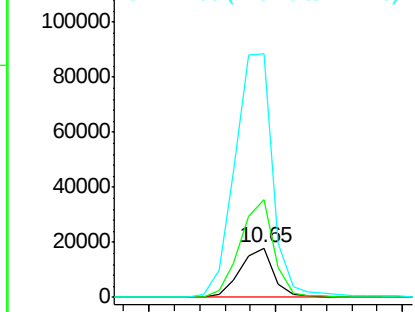
#66
4-Bromophenyl-phenylether
Concen: 3.654 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.24 min
Lab File: BF104531.D
Acq: 16 Apr 2018 13:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 16428
Ion Ratio Lower Upper
248 100
250 198.1 76.9 115.3#
141 496.5 74.4 111.6#

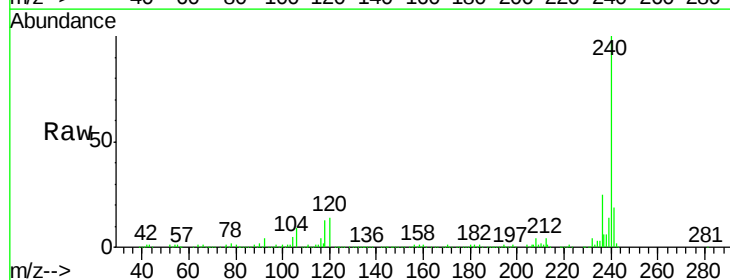


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

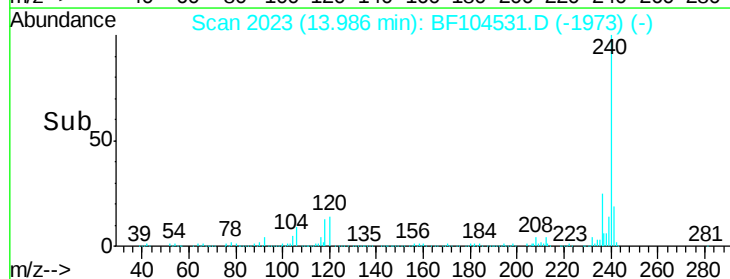
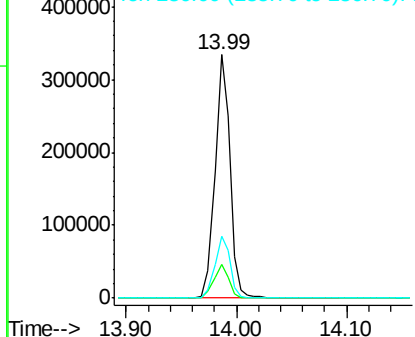


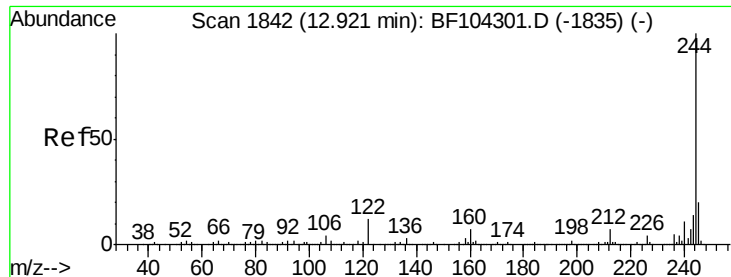
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF104531.D
Acq: 16 Apr 2018 13:52

Tgt Ion:240 Resp: 311691
Ion Ratio Lower Upper
240 100
120 13.9 9.5 14.3
236 25.5 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

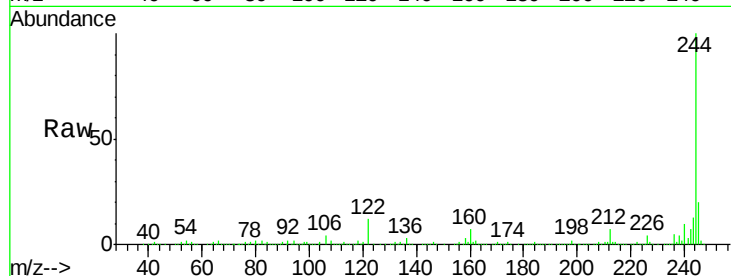




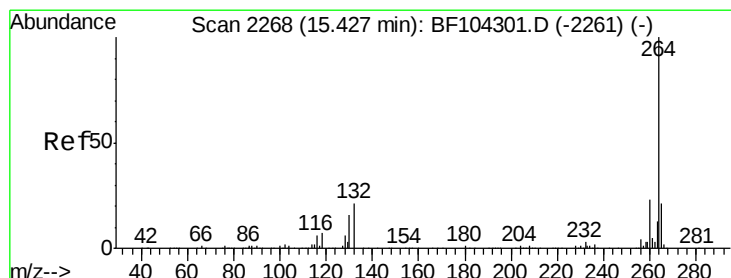
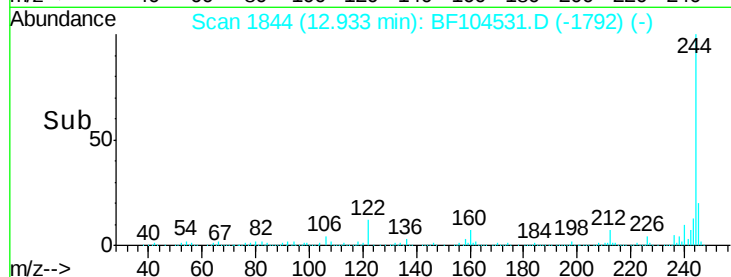
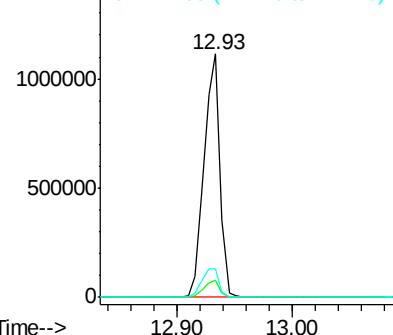
#78
 Terphenyl-d14
 Concen: 77.416 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: BF104531.D
 Acq: 16 Apr 2018 13:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1058413
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.9 11.0 16.4

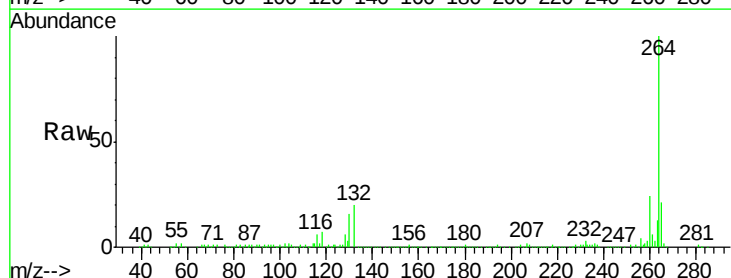


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: BF104531.D
 Acq: 16 Apr 2018 13:52

Tgt Ion:264 Resp: 259716
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.2 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

