

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104521.D
 Acq On : 14 Apr 2018 12:27
 Operator : JU/SJ
 Sample : J2368-15
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 16 00:43:18 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	149822	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	596902	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	250683	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	365872	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	282406	20.00	ng	-0.01
86) Perylene-d12	15.44	264	215985	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	419367	42.80	ng	0.00
7) Phenol-d6	6.44	99	316133	26.26	ng	0.00
23) Nitrobenzene-d5	7.37	82	939333	102.76	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	196761	75.67	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1496271	94.29	ng	0.00
78) Terphenyl-d14	12.93	244	1102759	89.02	ng	0.00

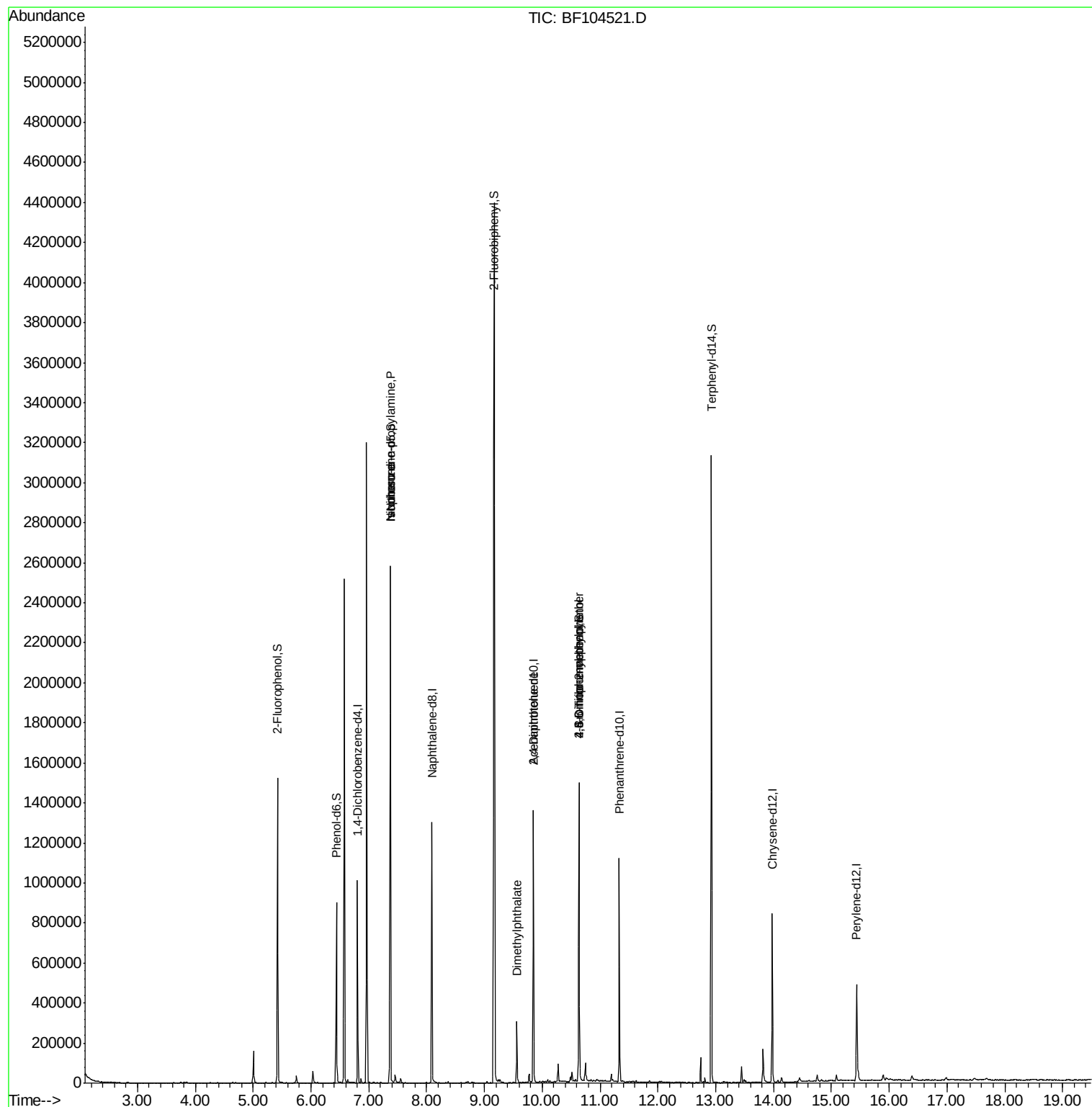
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	124946	15.882	ng	# 74
25) Isophorone	7.37	82	939323	48.593	ng	# 64
49) Dimethylphthalate	9.56	163	126518	6.400	ng	99
56) 2,4-Dinitrotoluene	9.85	165	31559	6.577	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	435	7.554	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	11861	3.048	ng	# 1
76) Benzidine	12.93	184	14738	Below Cal		96

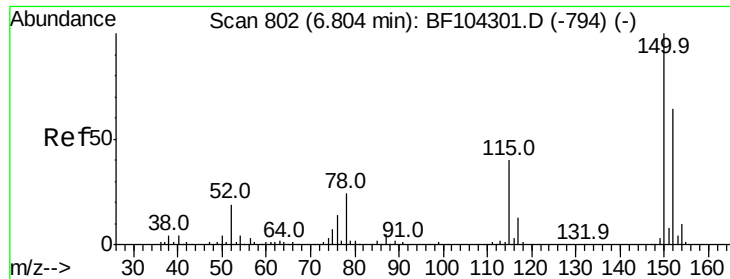
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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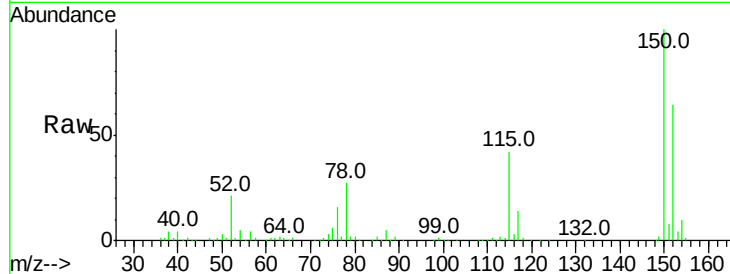


#1

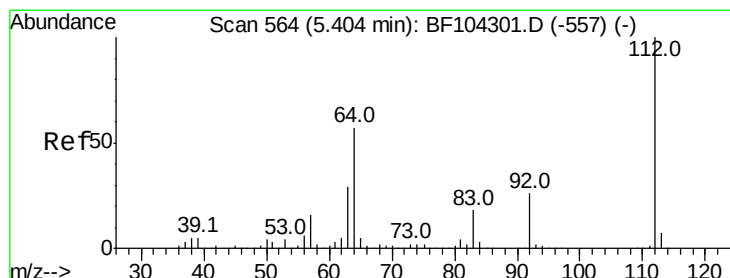
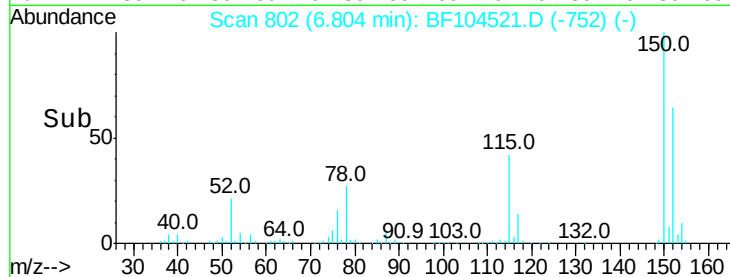
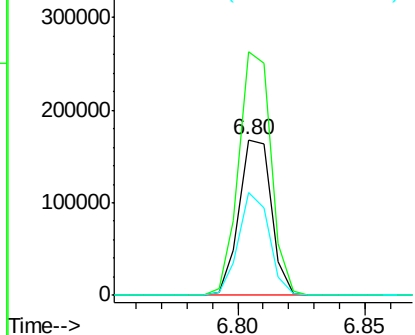
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF104521.D
Acq: 14 Apr 2018 12:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 149822
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 66.0 50.1 75.1



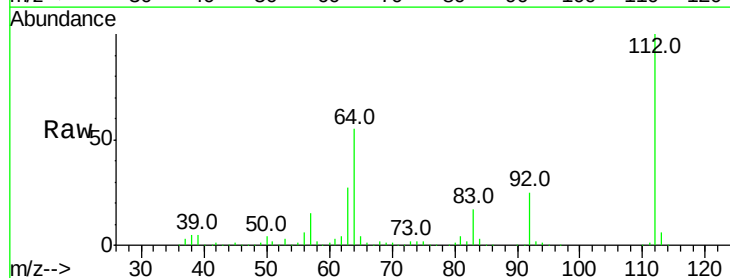
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



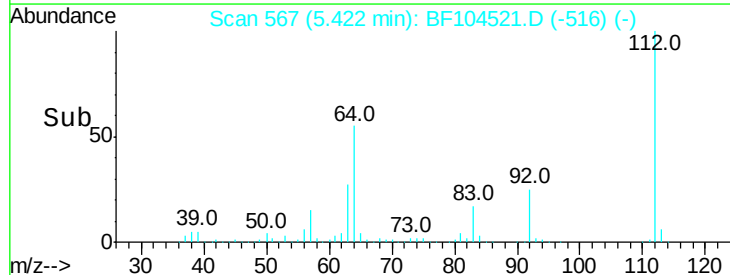
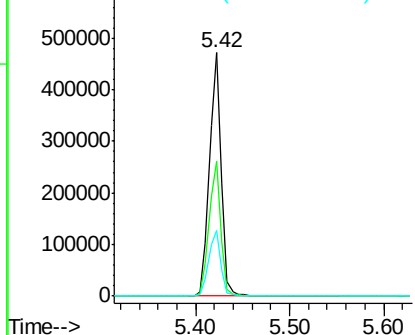
#5

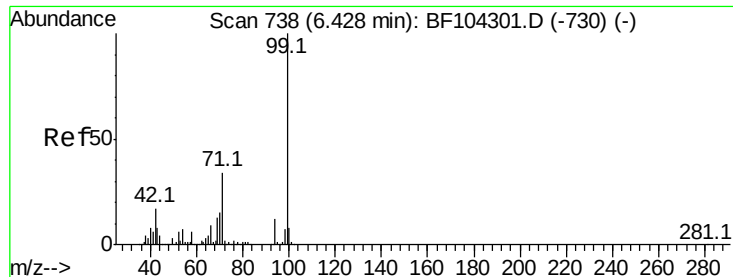
2-Fluorophenol
Concen: 42.800 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.00 min
Lab File: BF104521.D
Acq: 14 Apr 2018 12:27

Tgt Ion:112 Resp: 419367
Ion Ratio Lower Upper
112 100
64 55.3 47.9 71.9
63 27.2 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: 26.259 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104521.D

Acq: 14 Apr 2018 12:27

Instrument :

BNA_F

ClientSampleId :

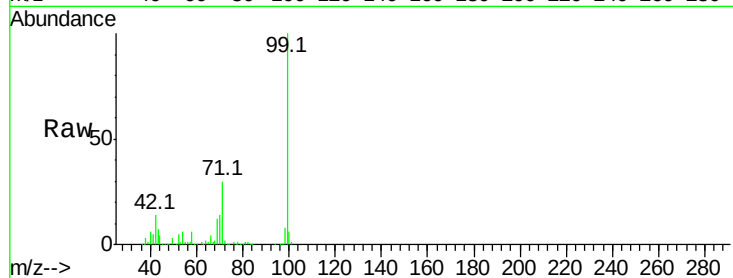
Tot Ion: 99 Resp: 316133

Ion Ratio Lower Upper

99 100

42 14.4 14.5 21.7#

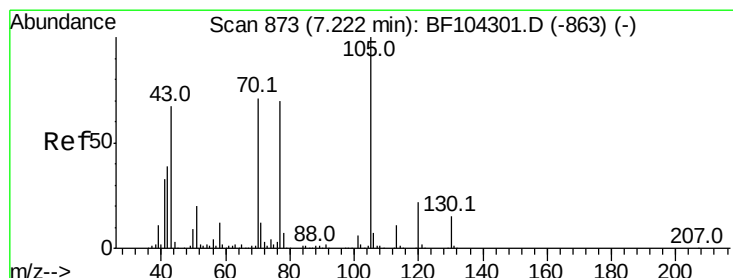
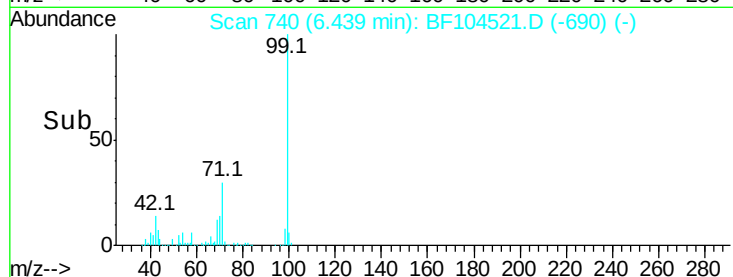
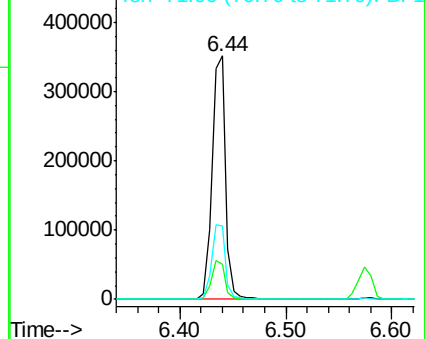
71 30.1 25.4 38.0



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: 15.882 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104521.D

Acq: 14 Apr 2018 12:27

Tgt Ion: 70 Resp: 124946

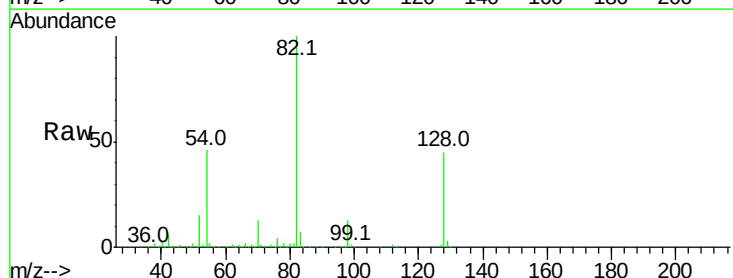
Ion Ratio Lower Upper

70 100

42 43.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

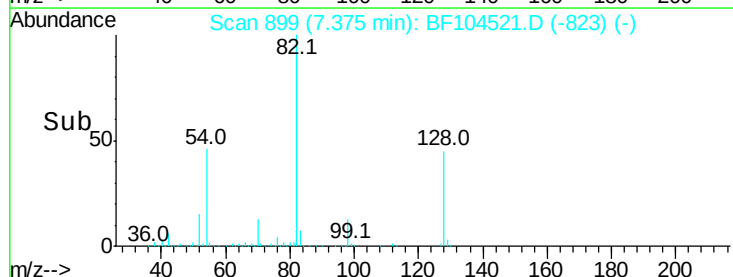
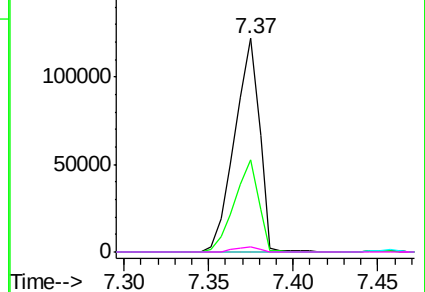


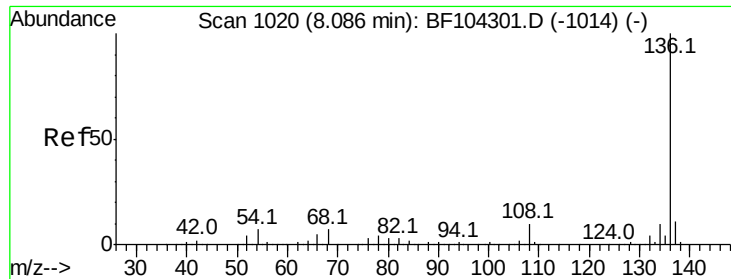
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

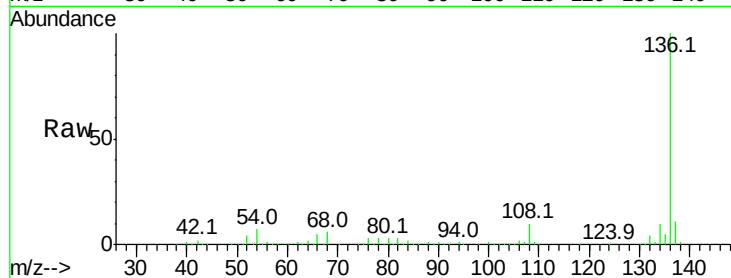




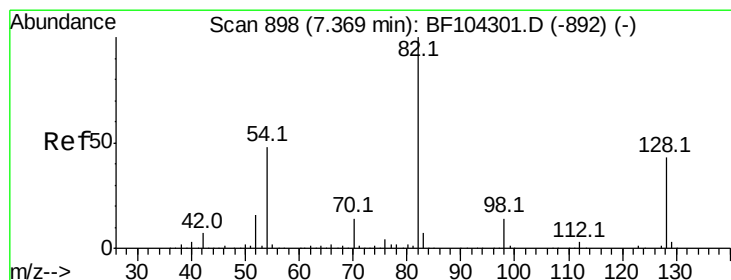
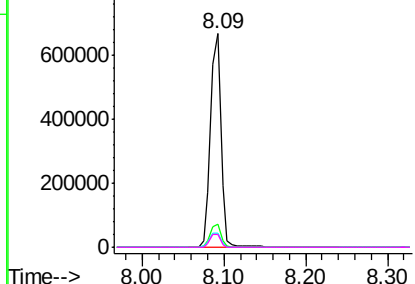
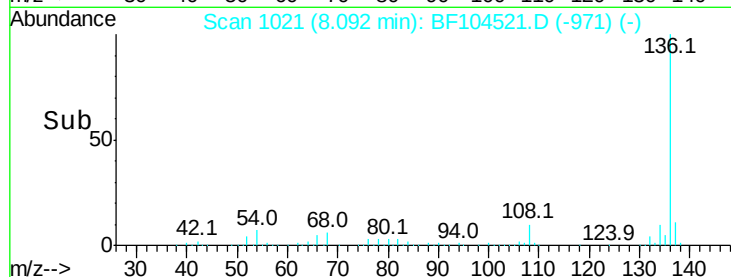
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104521.D
Acq: 14 Apr 2018 12:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	596902
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.7	6.6	9.8
68	6.2	5.0	7.4

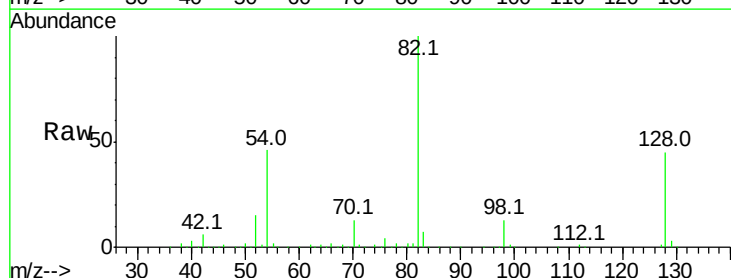


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

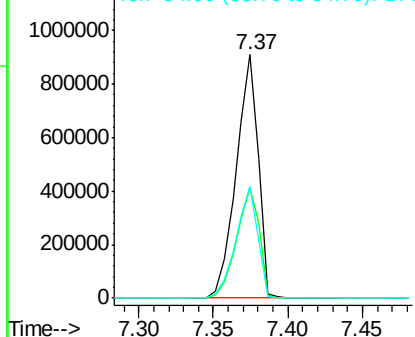
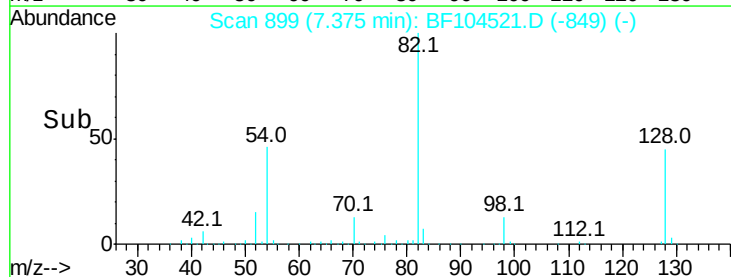


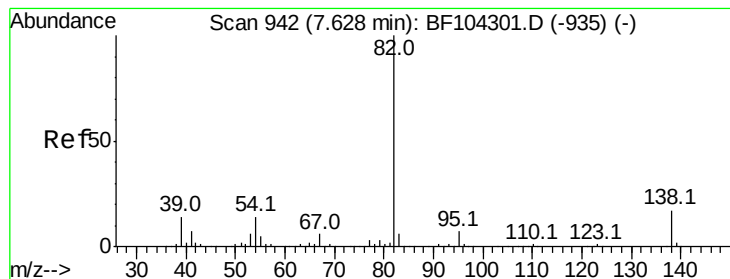
#23
Nitrobenzene-d5
Concen: 102.758 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104521.D
Acq: 14 Apr 2018 12:27

Tgt Ion:	82	Resp:	939333
Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.1	54.1
54	46.1	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: 48.593 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104521.D

Acq: 14 Apr 2018 12:27

Instrument :

BNA_F

ClientSampleId :

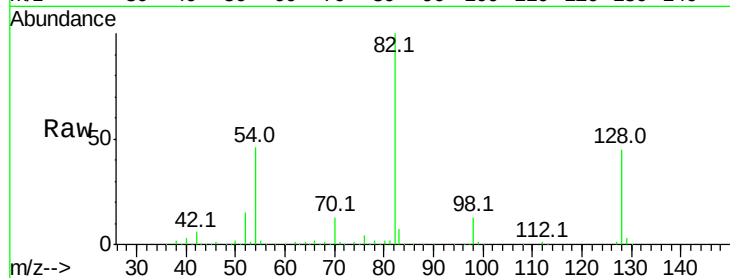
Tot Ion: 82 Resp: 939323

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

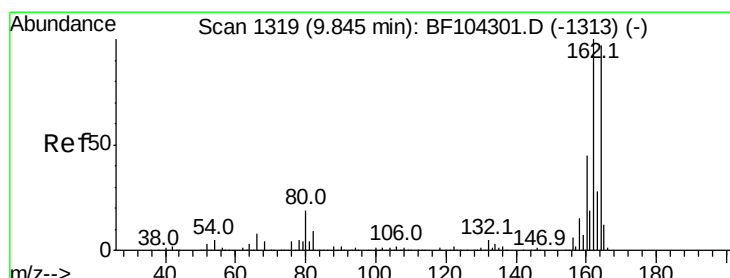
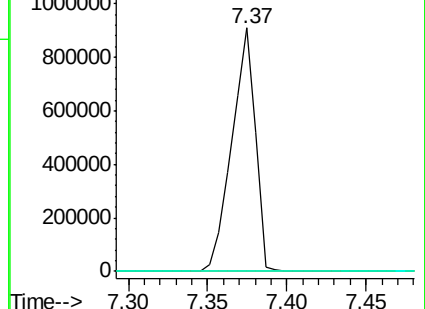
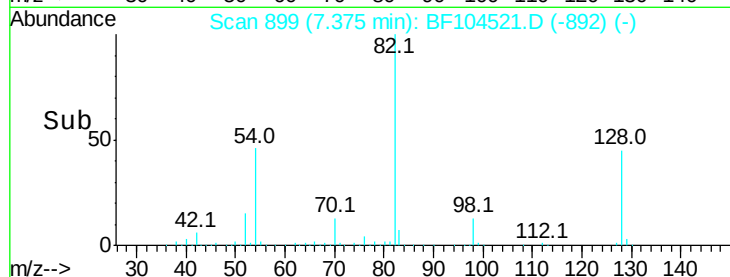
138 0.0 14.9 22.3#



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# 1319

Delta R.T. -0.01 min

Lab File: BF104521.D

Acq: 14 Apr 2018 12:27

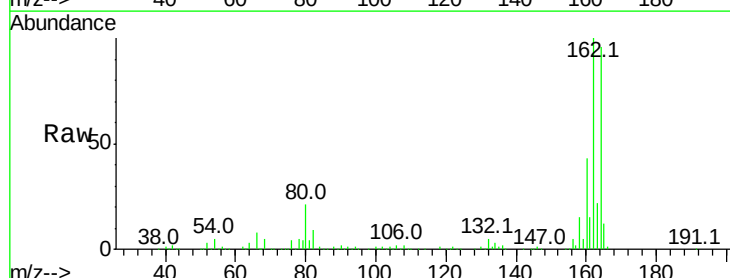
Tgt Ion:164 Resp: 250683

Ion Ratio Lower Upper

164 100

162 104.6 86.1 129.1

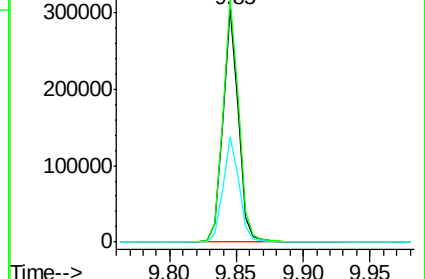
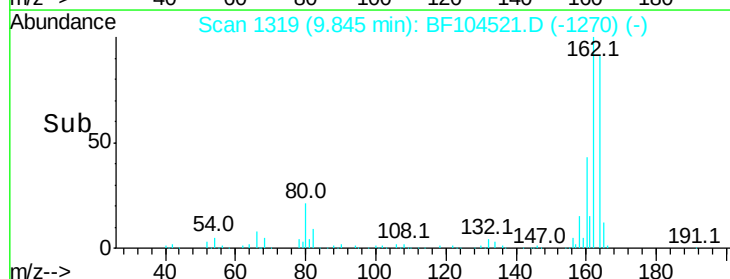
160 45.3 38.3 57.5

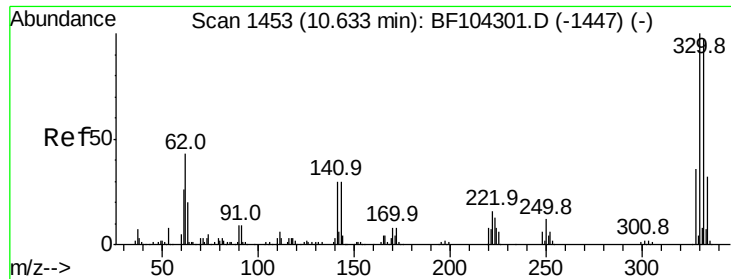


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

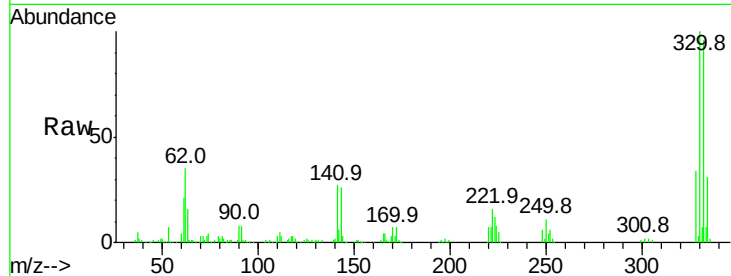




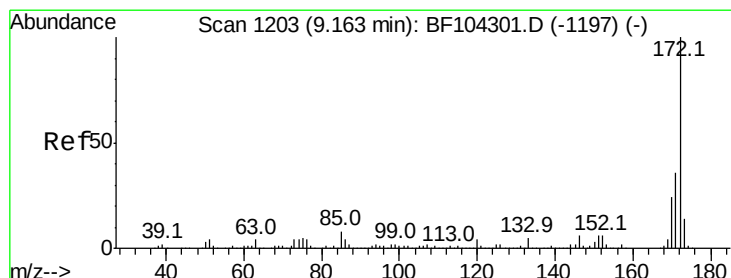
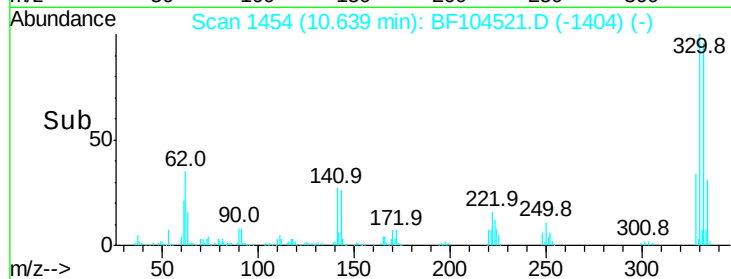
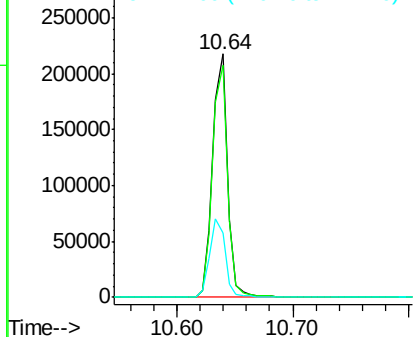
#41
 2,4,6-Tribromophenol
 Concen: 75.666 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104521.D
 Acq: 14 Apr 2018 12:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	33.7	29.9	44.9

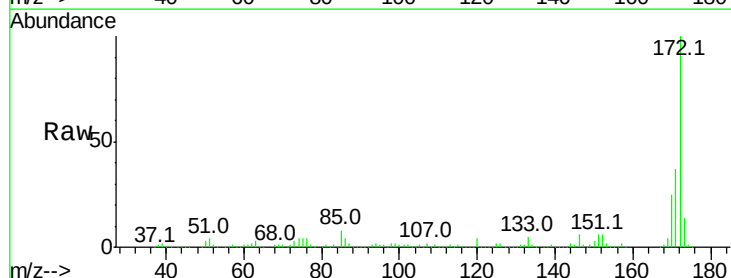


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

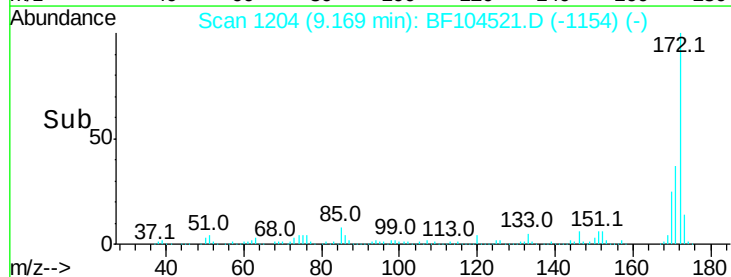
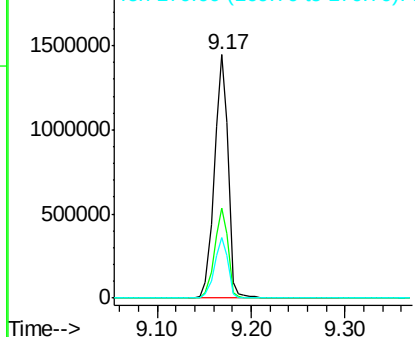


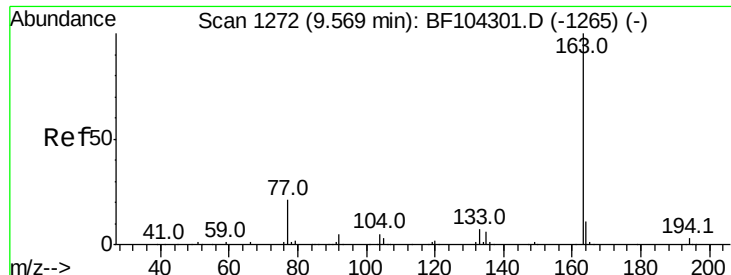
#44
 2-Fluorobiphenyl
 Concen: 94.292 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104521.D
 Acq: 14 Apr 2018 12:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.7	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

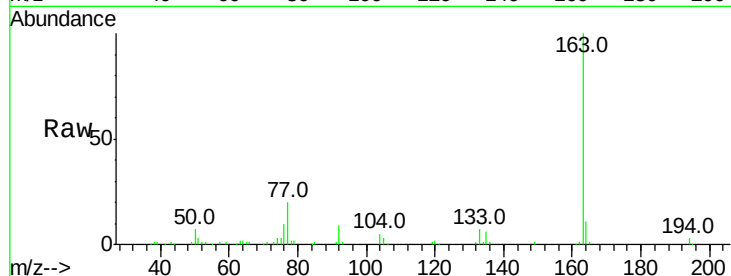




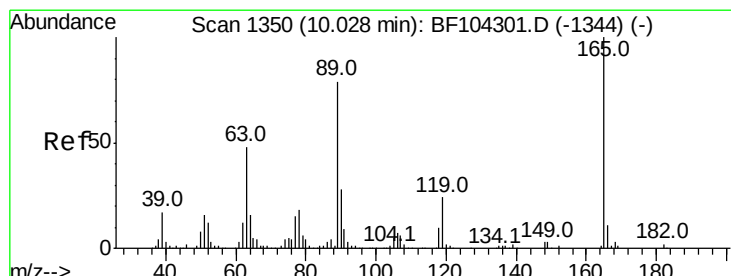
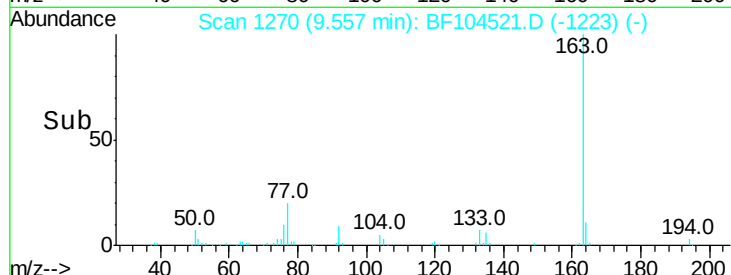
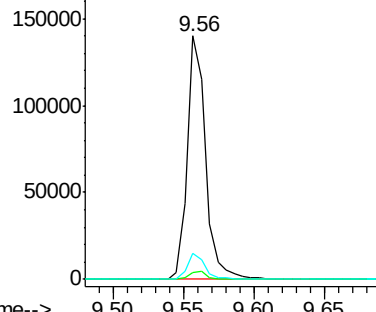
#49
 Dimethylphthalate
 Concen: 6.400 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: BF104521.D
 Acq: 14 Apr 2018 12:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	10.6	8.2	12.2



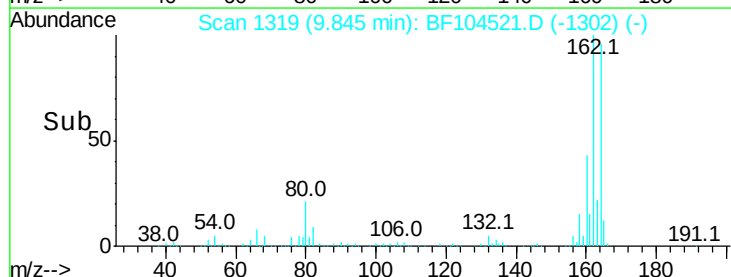
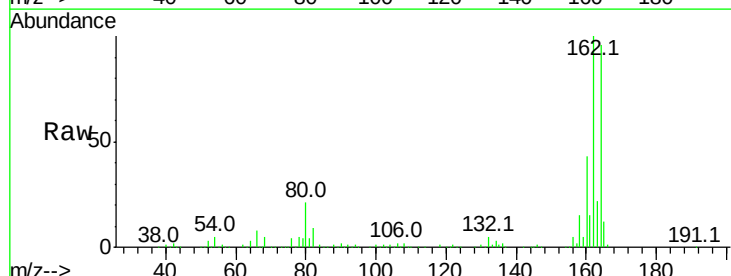
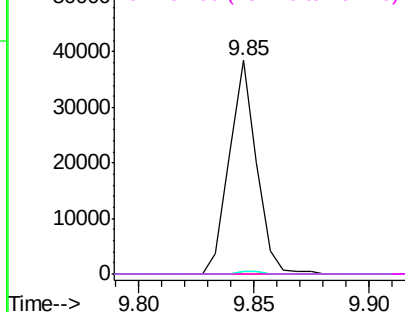
Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

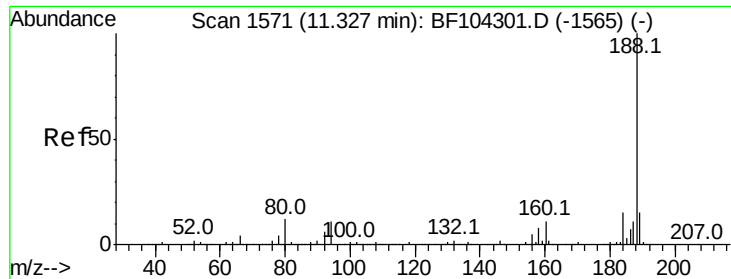


#56
 2,4-Dinitrotoluene
 Concen: 6.577 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF104521.D
 Acq: 14 Apr 2018 12:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.3	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

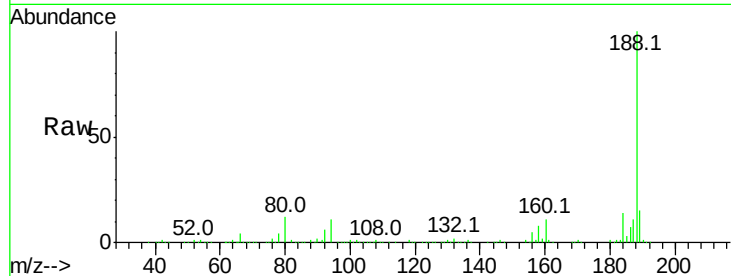




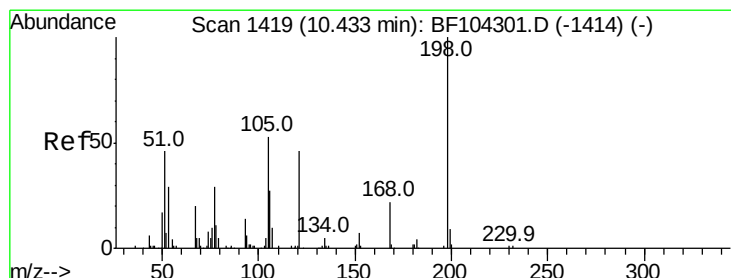
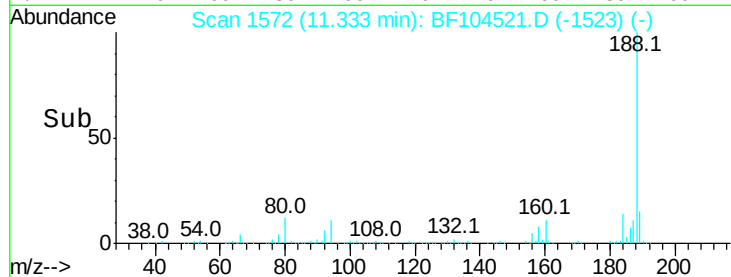
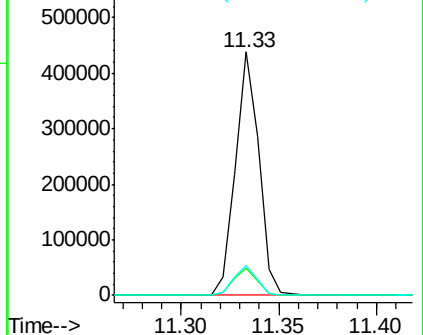
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF104521.D
Acq: 14 Apr 2018 12:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 365872
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 12.0 9.2 13.8

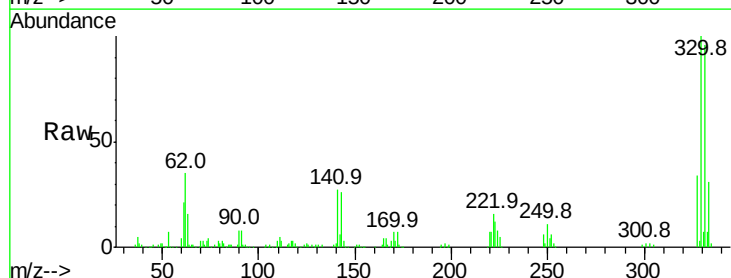


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

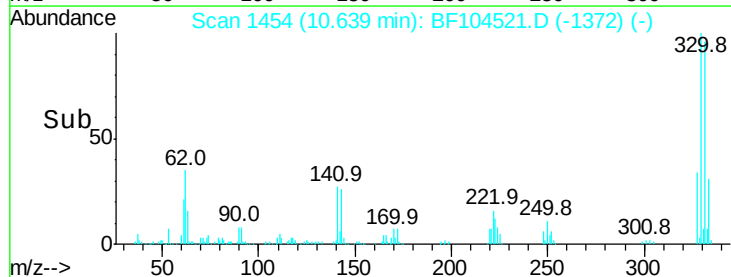
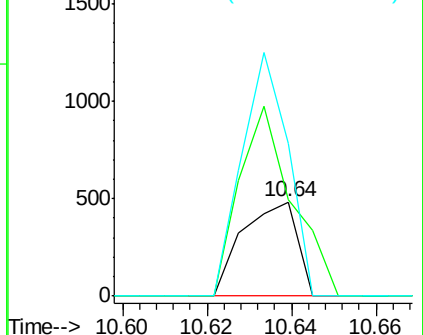


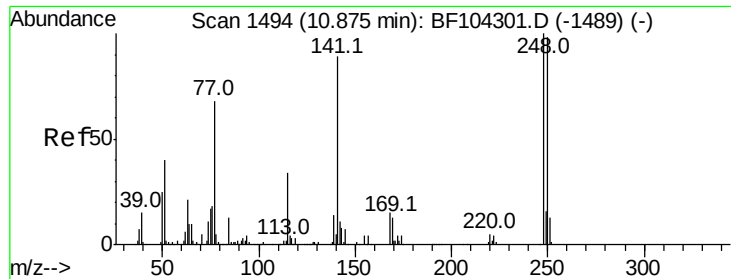
#64
4,6-Dinitro-2-methylphenol
Concen: 7.554 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF104521.D
Acq: 14 Apr 2018 12:27

Tgt Ion:198 Resp: 435
Ion Ratio Lower Upper
198 100
51 102.9 37.7 77.7#
105 162.3 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

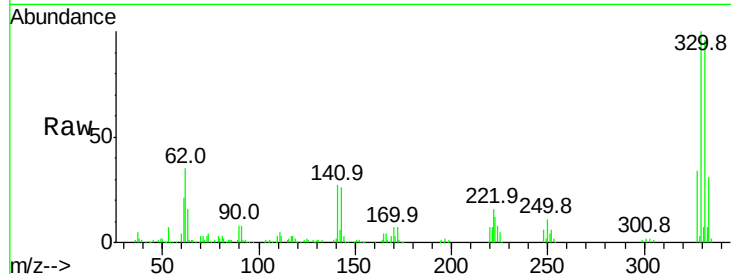




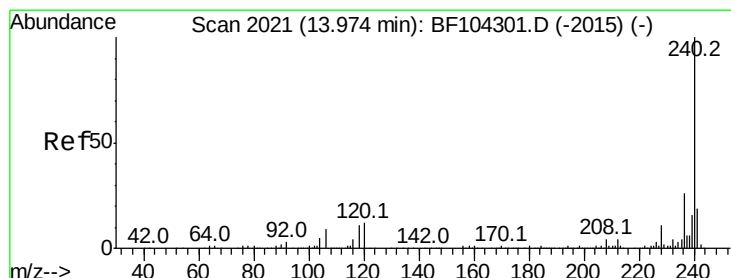
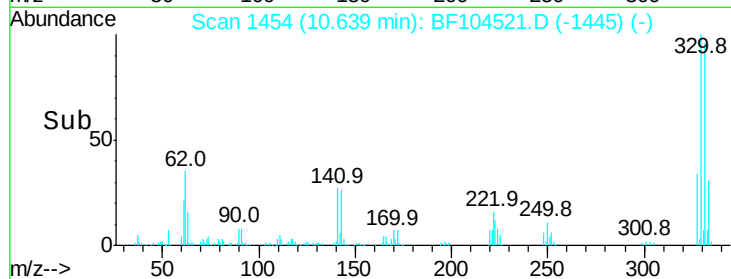
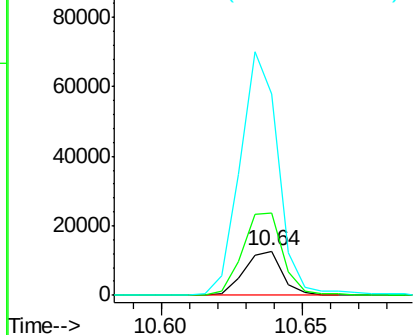
#66
 4-Bromophenyl-phenylether
 Concen: 3.048 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.25 min
 Lab File: BF104521.D
 Acq: 14 Apr 2018 12:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11861
 Ion Ratio Lower Upper
 248 100
 250 186.4 76.9 115.3#
 141 453.1 74.4 111.6#

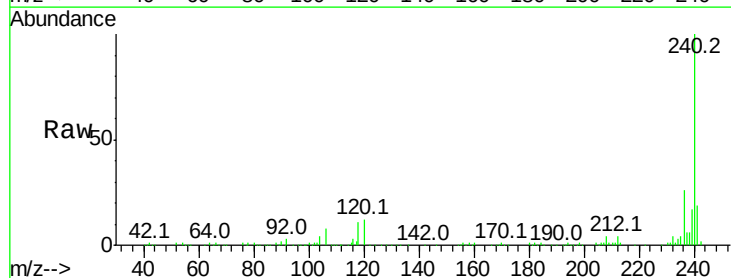


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

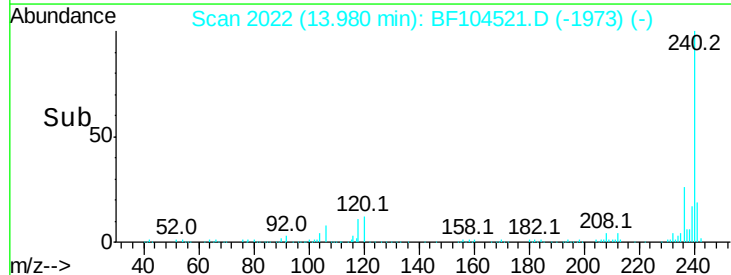
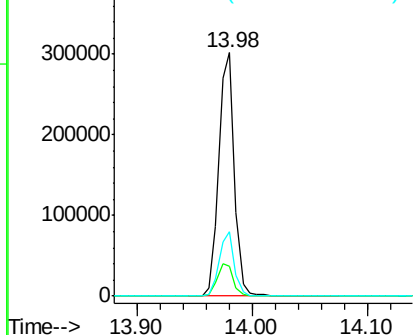


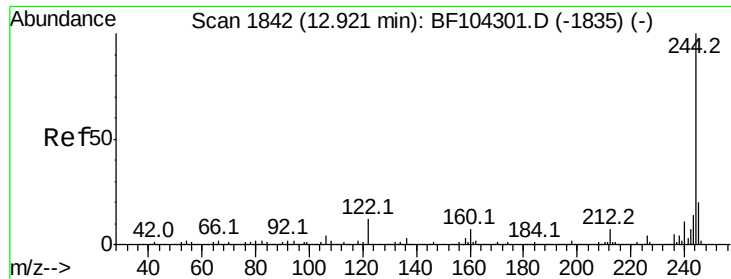
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF104521.D
 Acq: 14 Apr 2018 12:27

Tgt Ion:240 Resp: 282406
 Ion Ratio Lower Upper
 240 100
 120 12.4 9.5 14.3
 236 26.3 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





#78

Terphenyl-d14

Concen: 89.024 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF104521.D

Acq: 14 Apr 2018 12:27

Instrument :

BNA_F

ClientSampleId :

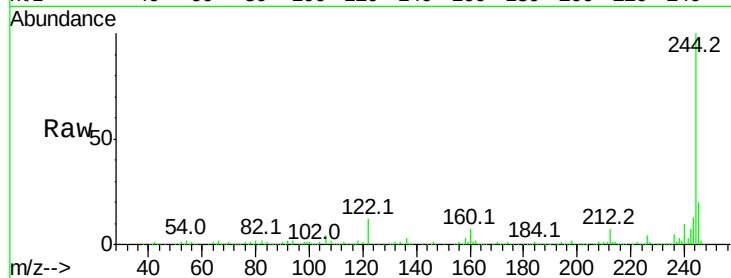
Tot Ion:244 Resp: 1102759

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

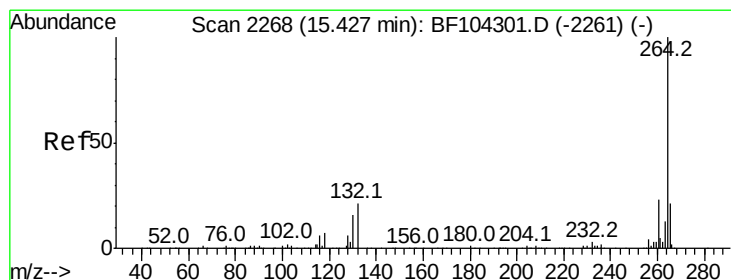
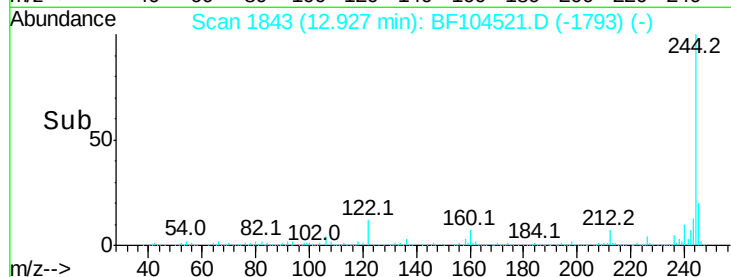
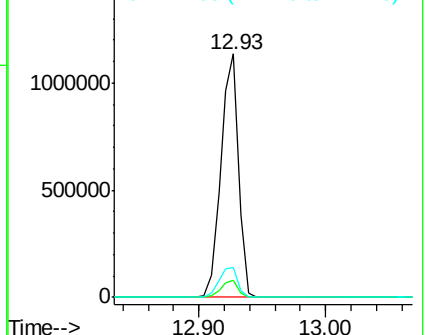
122 12.0 11.0 16.4



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: 15.44 min Scan# 2270

Delta R.T. -0.02 min

Lab File: BF104521.D

Acq: 14 Apr 2018 12:27

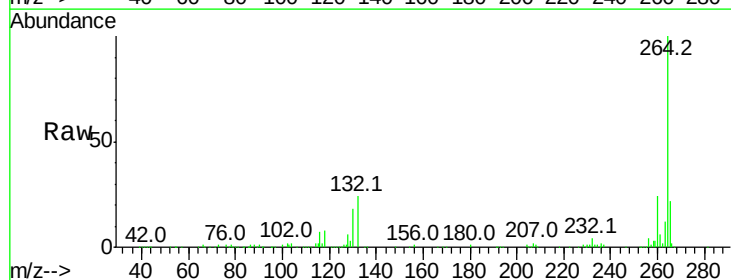
Tgt Ion:264 Resp: 215985

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 22.2 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

