

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
 Data File : BF104392.D
 Acq On : 10 Apr 2018 00:59
 Operator : JU/SJ
 Sample : J2280-02
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 03:32:04 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	114329	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	419175	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	160599	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	258439	20.00	ng	0.00
75) Chrysene-d12	13.97	240	272815	20.00	ng	0.00
86) Perylene-d12	15.44	264	210618	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	899591	120.31	ng	0.02
7) Phenol-d6	6.44	99	961237	104.63	ng	0.01
23) Nitrobenzene-d5	7.37	82	701141	109.22	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	218218	130.99	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1097002	107.91	ng	0.00
78) Terphenyl-d14	12.93	244	1028686	85.96	ng	0.00

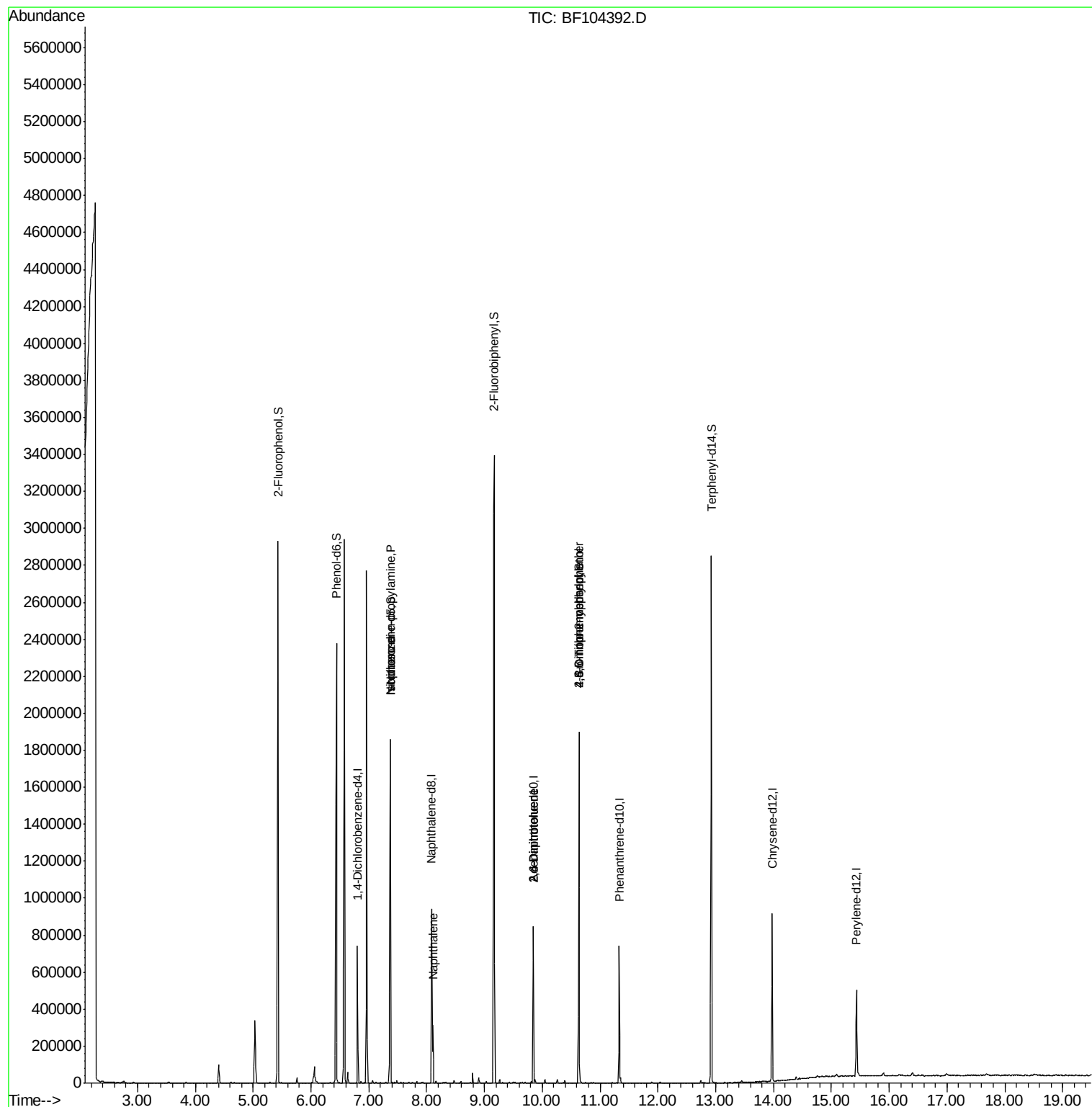
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	1192	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	91400	15.225	ng	# 74
25) Isophorone	7.37	82	701132	51.650	ng	# 64
31) Naphthalene	8.11	128	121919	5.841	ng	# 98
50) 2,6-Dinitrotoluene	9.85	165	20376	8.695	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	20376	6.629	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	298	7.548	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	13408	4.877	ng	# 1
76) Benzidine	12.92	184	13452	Below Cal	#	97

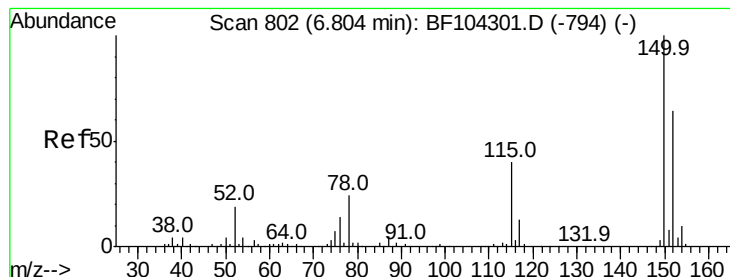
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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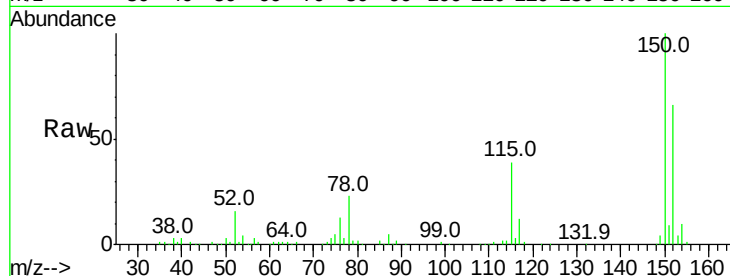


#1

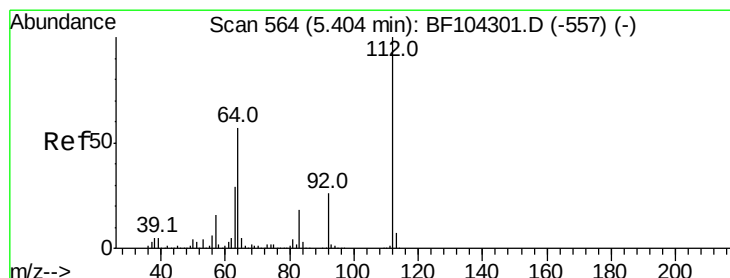
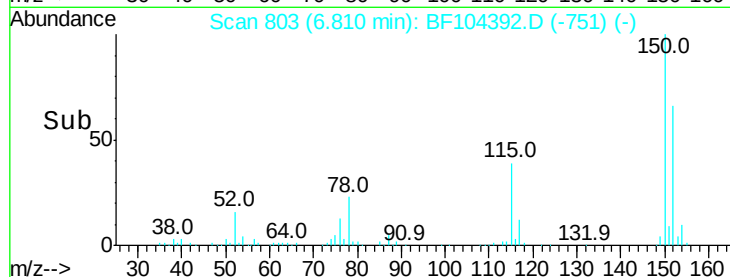
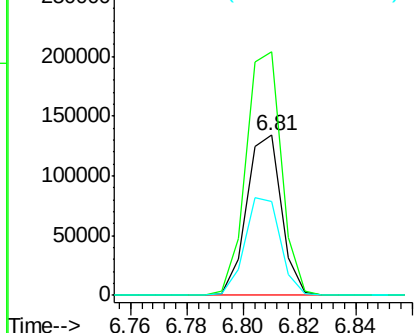
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104392.D
Acq: 10 Apr 2018 00:59

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 114329
Ion Ratio Lower Upper
152 100
150 151.9 124.6 186.8
115 58.9 50.1 75.1



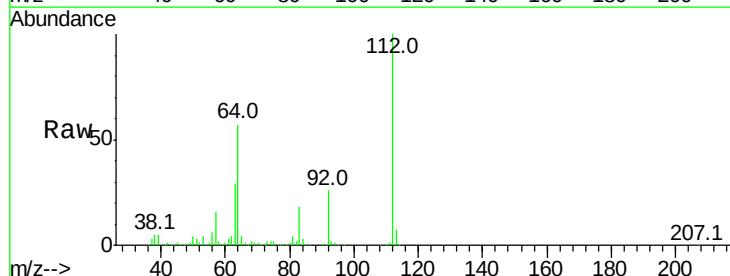
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



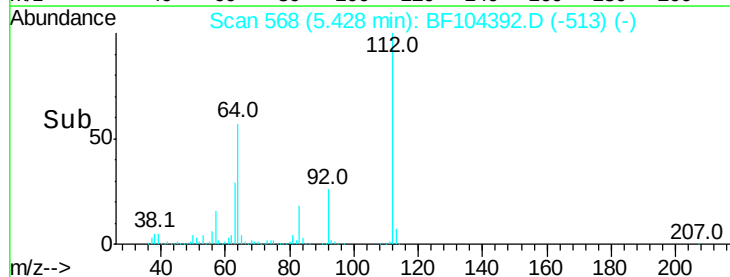
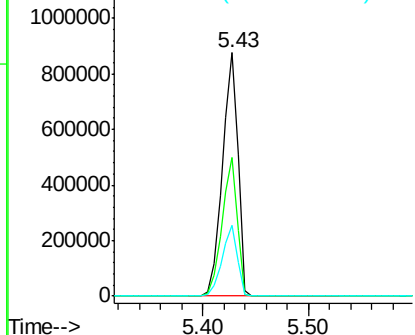
#5

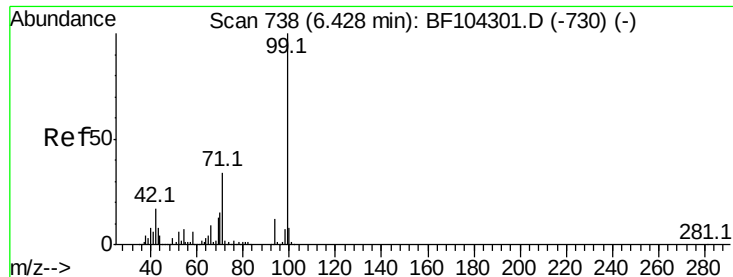
2-Fluorophenol
Concen: 120.313 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF104392.D
Acq: 10 Apr 2018 00:59

Tgt Ion:112 Resp: 899591
Ion Ratio Lower Upper
112 100
64 56.9 47.9 71.9
63 29.0 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: 104.631 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF104392.D

Acq: 10 Apr 2018 00:59

Instrument :

BNA_F

ClientSampleId :

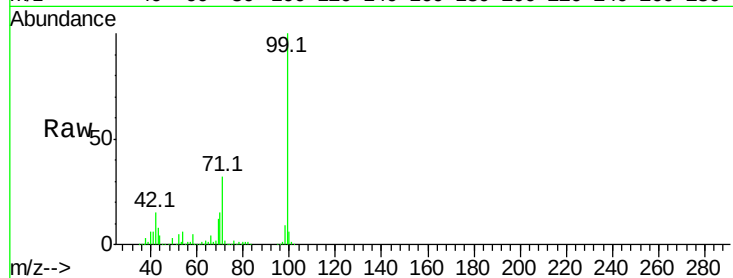
Tot Ion: 99 Resp: 961237

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

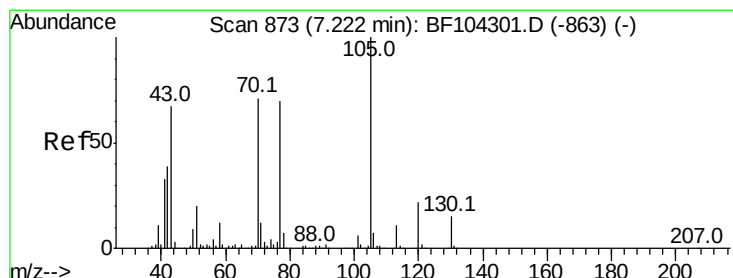
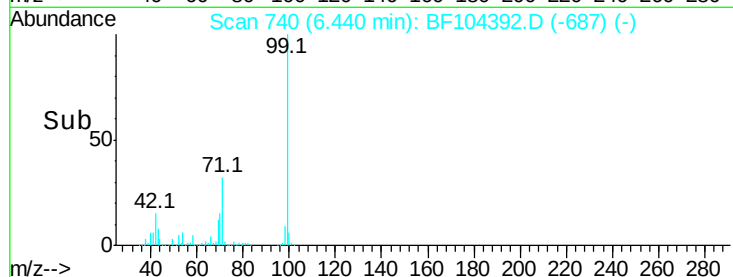
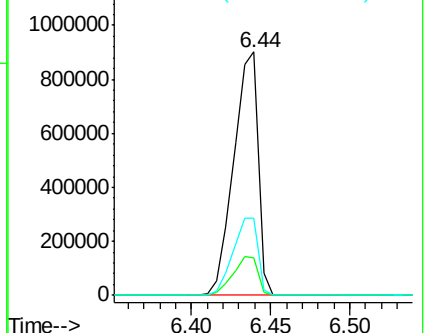
71 31.9 25.4 38.0



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: 15.225 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104392.D

Acq: 10 Apr 2018 00:59

Tgt Ion: 70 Resp: 91400

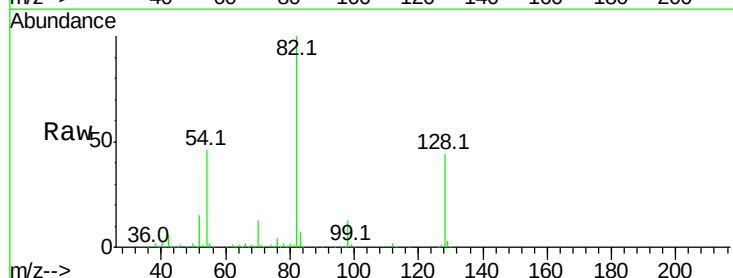
Ion Ratio Lower Upper

70 100

42 43.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

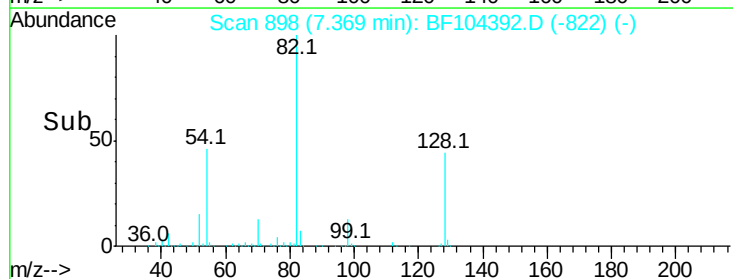
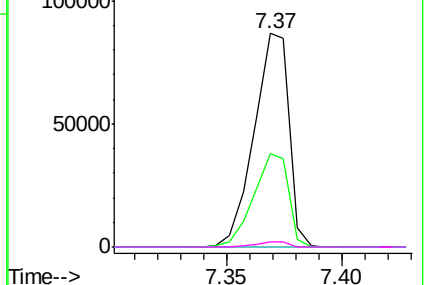


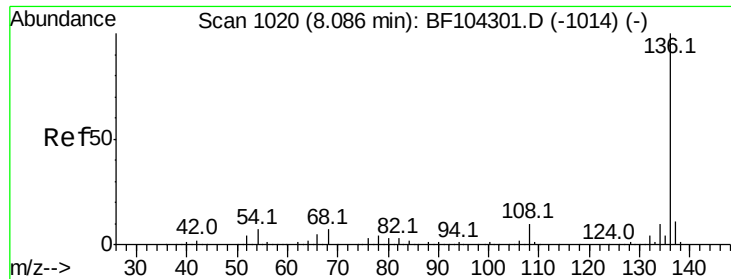
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

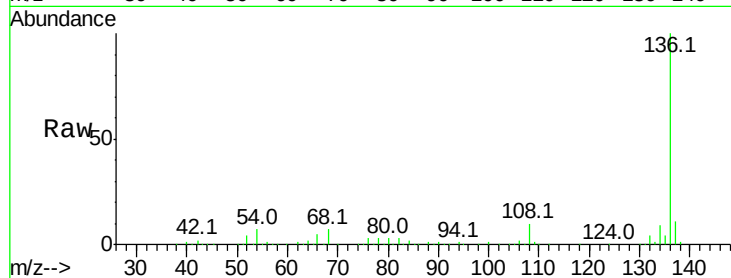




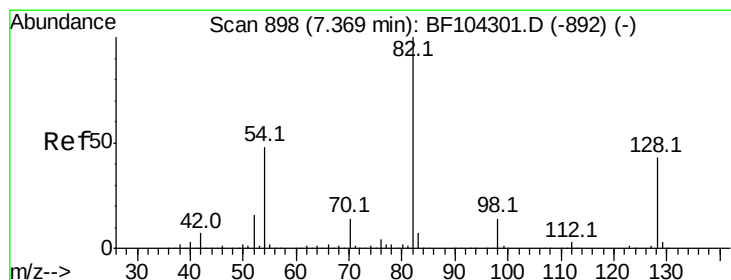
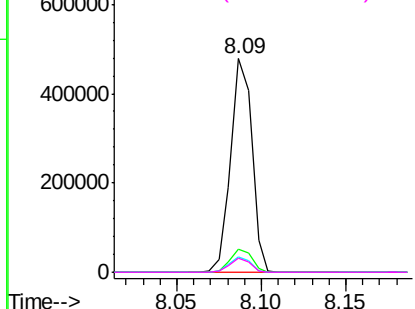
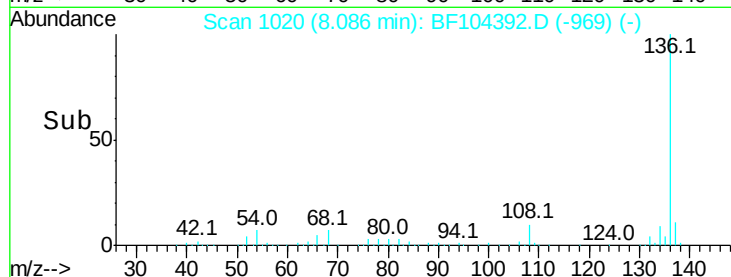
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF104392.D
Acq: 10 Apr 2018 00:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	419175
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.2	6.6	9.8
68	6.6	5.0	7.4

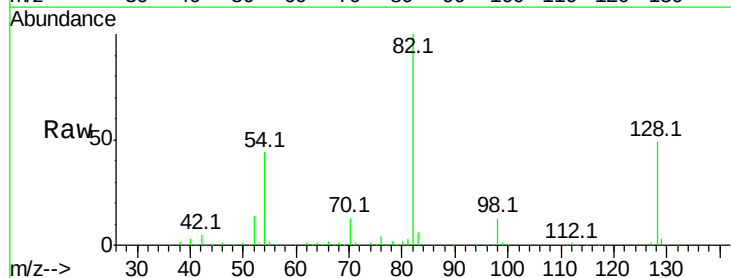


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

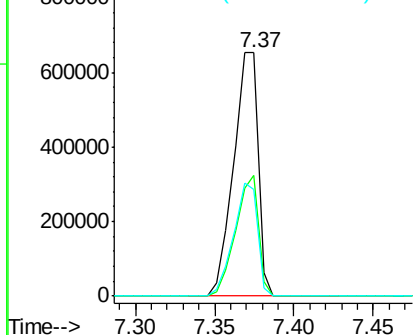
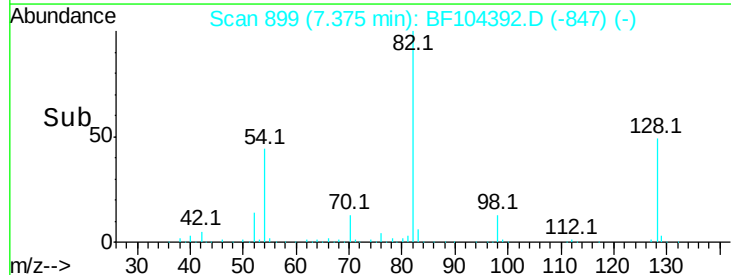


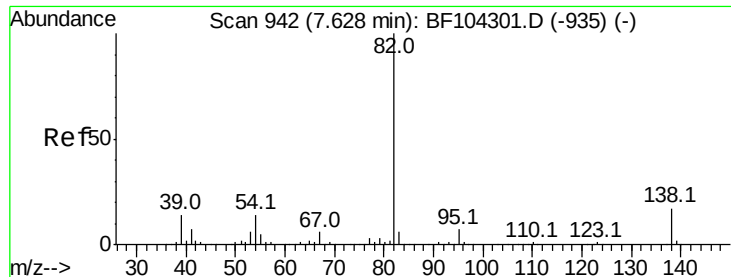
#23
Nitrobenzene-d5
Concen: 109.222 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.01 min
Lab File: BF104392.D
Acq: 10 Apr 2018 00:59

Tgt Ion:	82	Resp:	701141
Ion	Ratio	Lower	Upper
82	100		
128	49.3	36.1	54.1
54	44.0	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: 51.650 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104392.D

Acq: 10 Apr 2018 00:59

Instrument :

BNA_F

ClientSampleId :

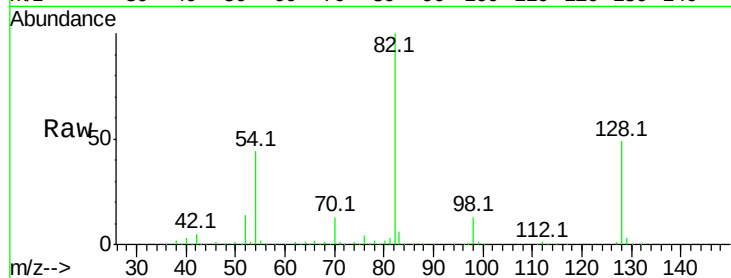
Tot Ion: 82 Resp: 701132

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

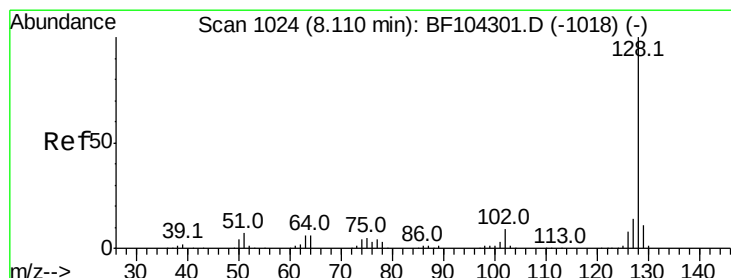
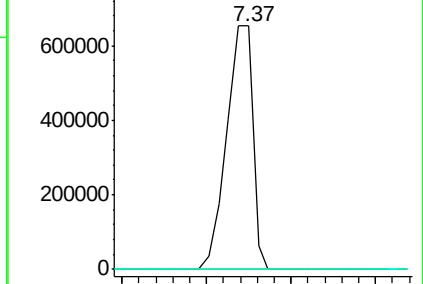
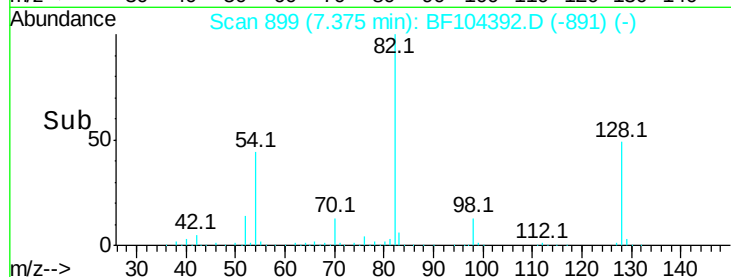
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 5.841 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF104392.D

Acq: 10 Apr 2018 00:59

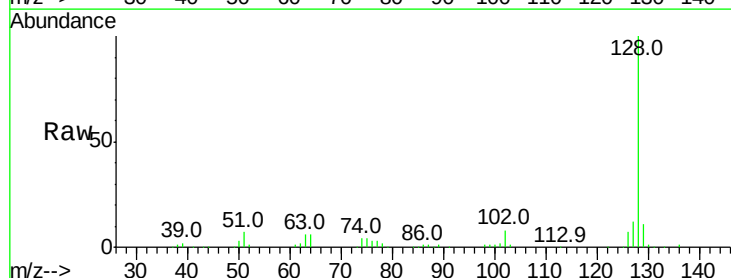
Tgt Ion:128 Resp: 121919

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

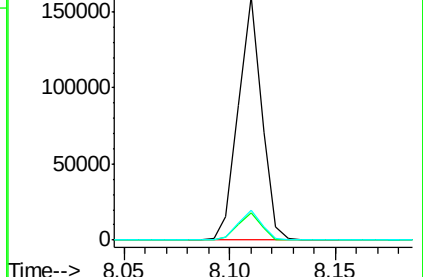
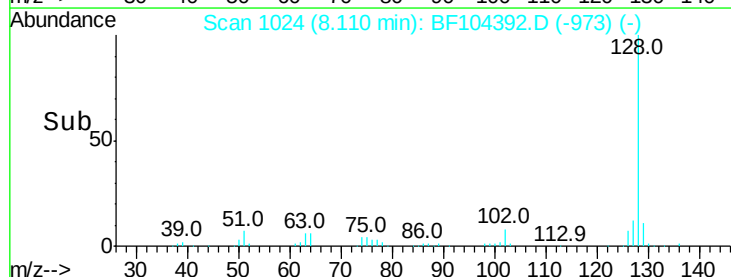
127 12.4 10.9 16.3

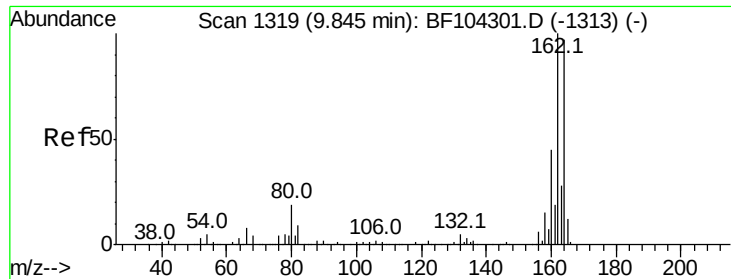


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

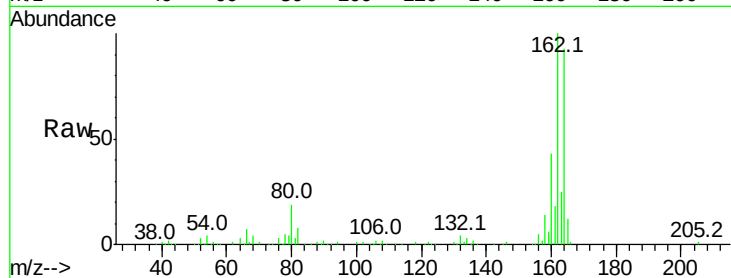




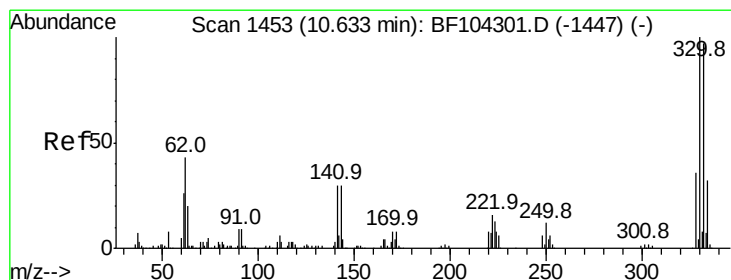
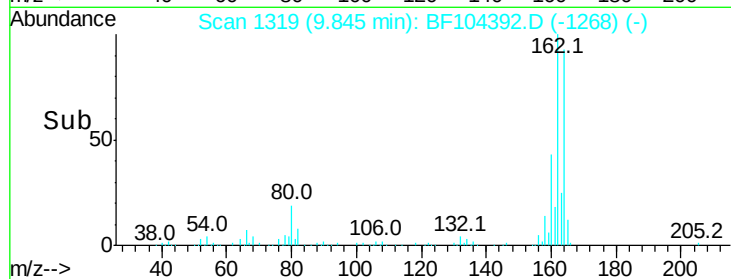
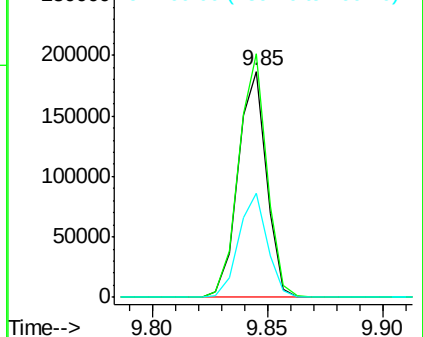
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: BF104392.D
 Acq: 10 Apr 2018 00:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	107.8	86.1	129.1
160	46.3	38.3	57.5

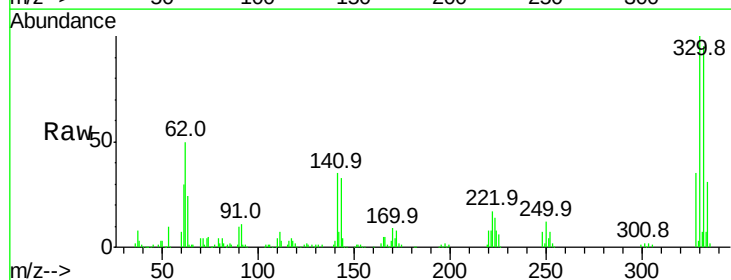


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

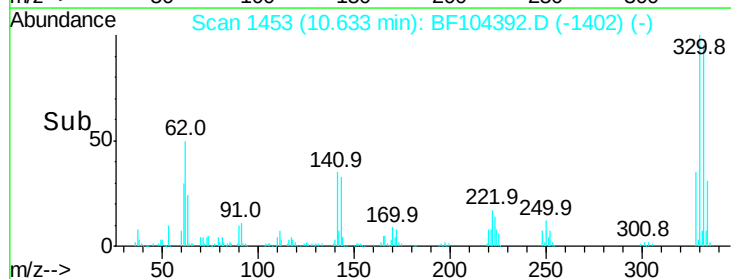
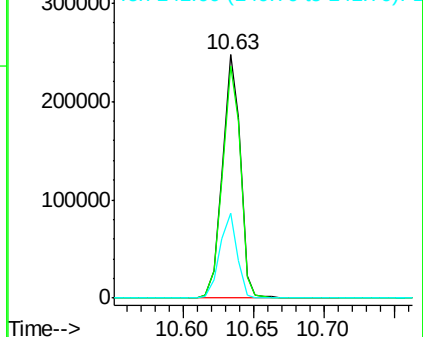


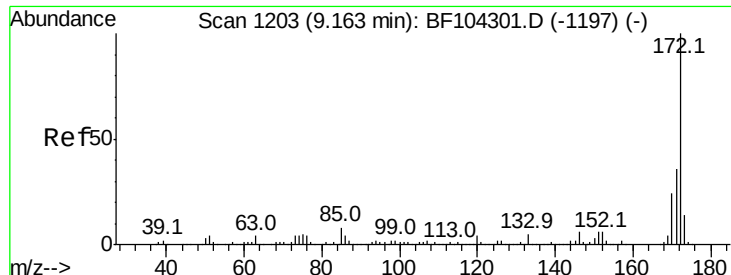
#41
 2,4,6-Tribromophenol
 Concen: 130.988 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104392.D
 Acq: 10 Apr 2018 00:59

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	34.2	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



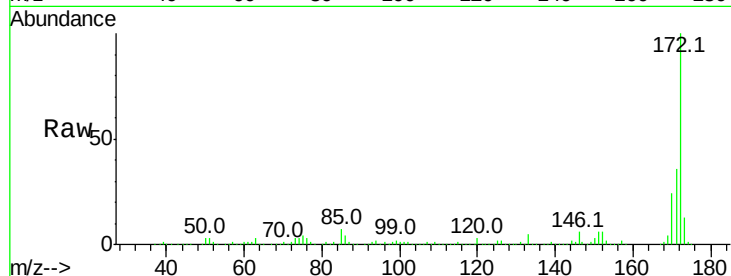


#44
 2-Fluorobiphenyl
 Concen: 107.908 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: BF104392.D
 Acq: 10 Apr 2018 00:59

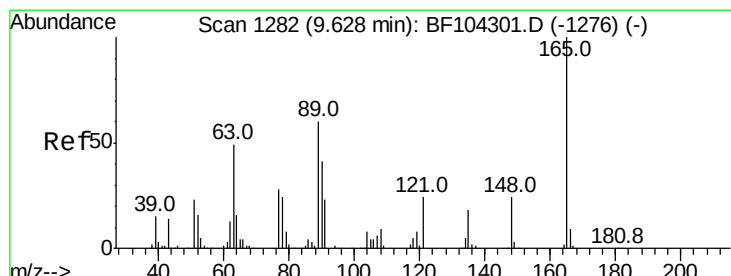
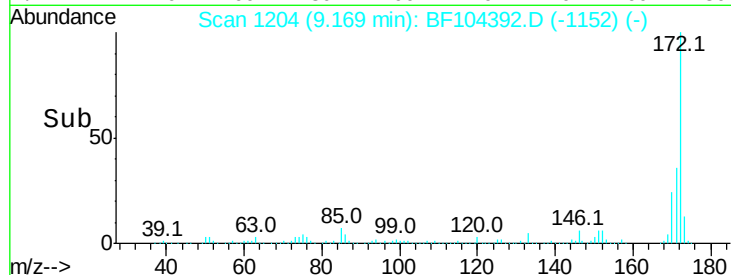
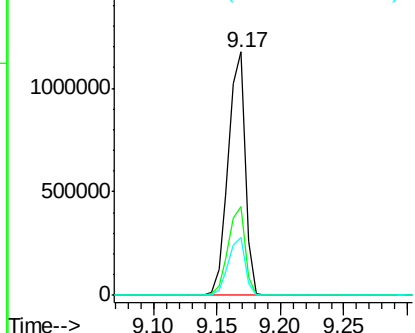
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1097002

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	23.8	19.6	29.4



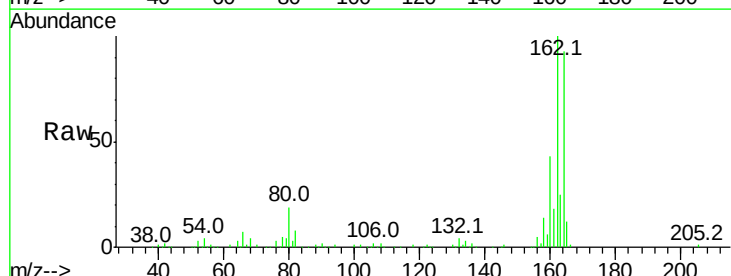
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



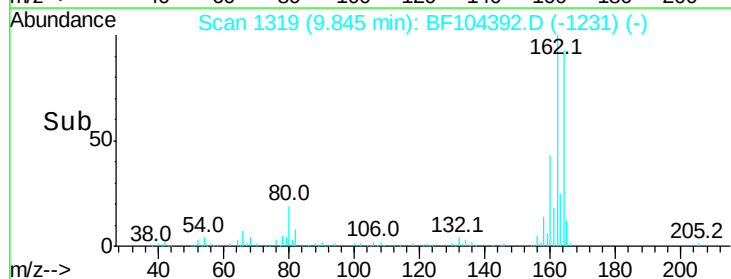
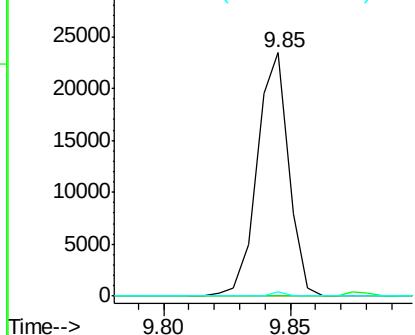
#50
 2,6-Dinitrotoluene
 Concen: 8.695 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.22 min
 Lab File: BF104392.D
 Acq: 10 Apr 2018 00:59

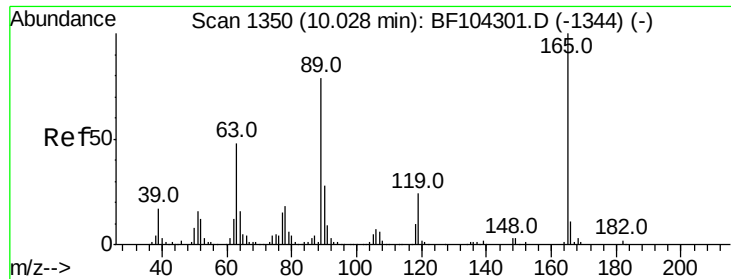
Tgt Ion:165 Resp: 20376

Ion	Ratio	Lower	Upper
165	100		
63	0.0	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

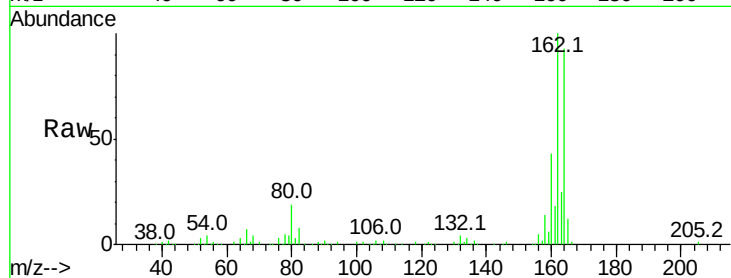




#56
 2,4-Dinitrotoluene
 Concen: 6.629 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.18 min
 Lab File: BF104392.D
 Acq: 10 Apr 2018 00:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	20376
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	1.9	57.8 86.6#
182	0.0	1.6 2.4#

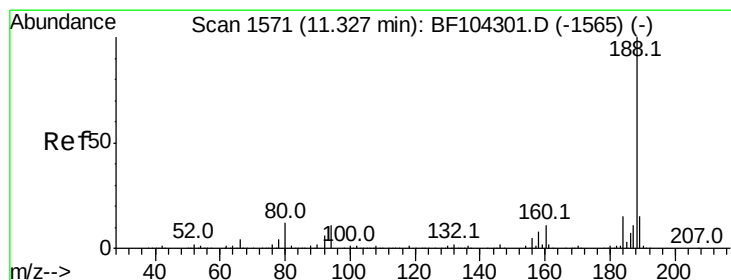
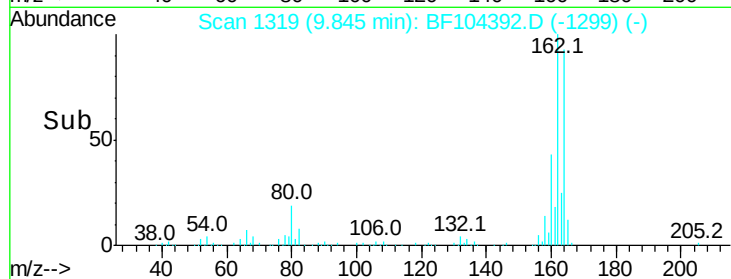
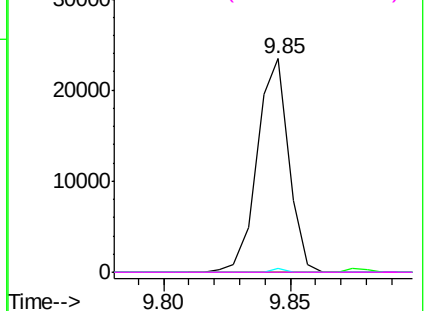


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

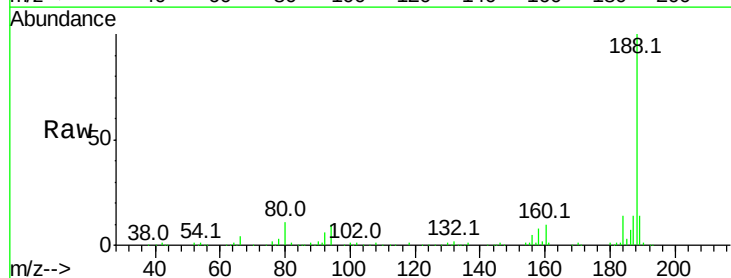
Ion 89.00 (88.70 to 89.70): BF1

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: BF104392.D
 Acq: 10 Apr 2018 00:59

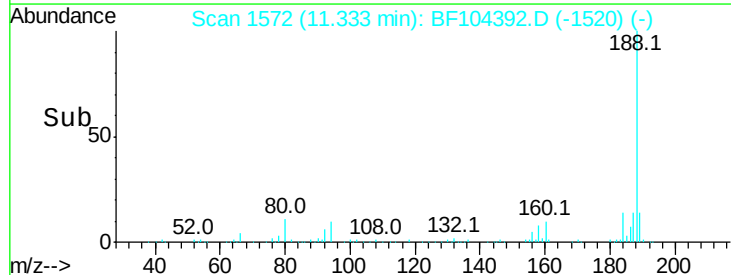
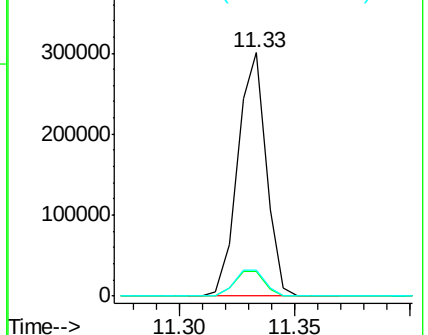
Tgt Ion:188	Resp:	258439
Ion Ratio	Lower	Upper
188	100	
94	10.1	8.5 12.7
80	10.9	9.2 13.8

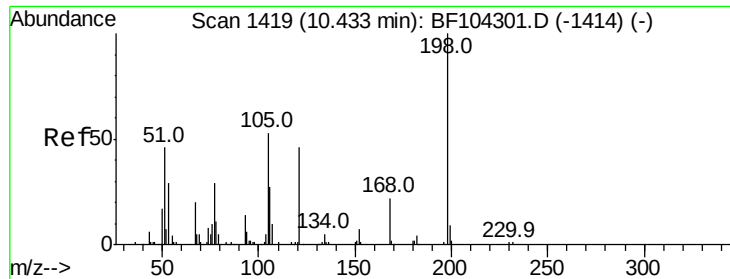


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.548 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.20 min

Lab File: BF104392.D

Acq: 10 Apr 2018 00:59

Instrument :

BNA_F

ClientSampleId :

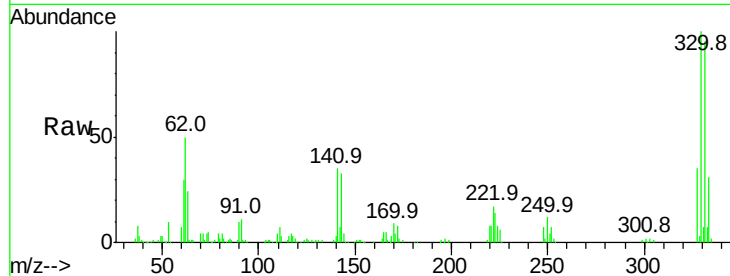
Tot Ion:198 Resp: 298

Ion Ratio Lower Upper

198 100

51 255.9 37.7 77.7#

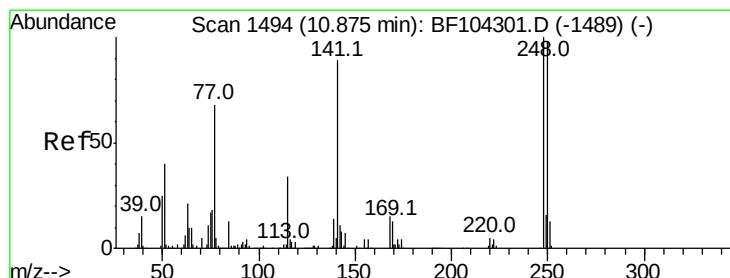
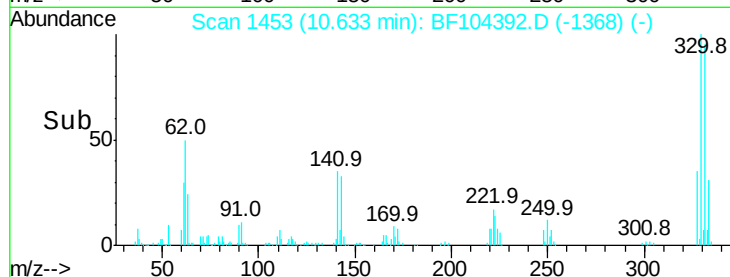
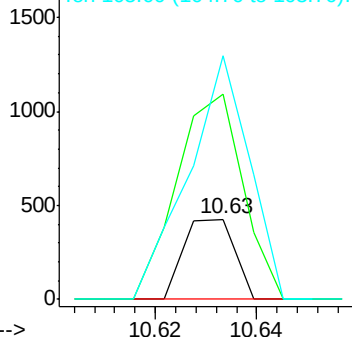
105 304.2 36.3 76.3#



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: 4.877 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.24 min

Lab File: BF104392.D

Acq: 10 Apr 2018 00:59

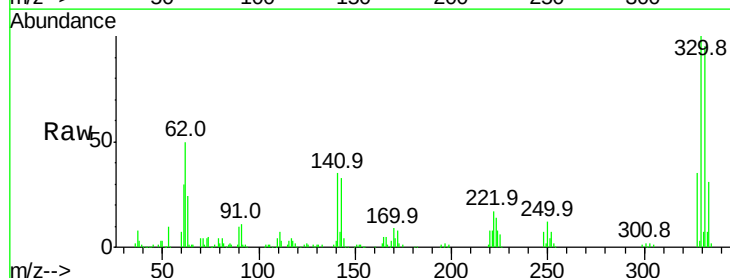
Tgt Ion:248 Resp: 13408

Ion Ratio Lower Upper

248 100

250 188.4 76.9 115.3#

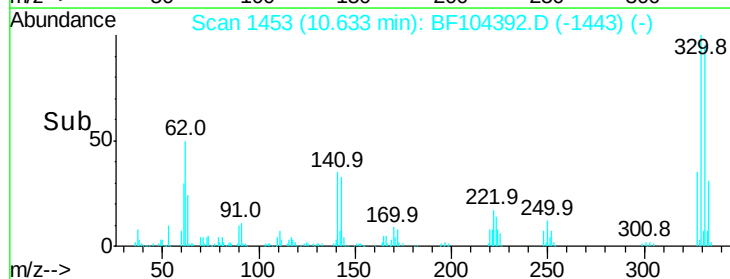
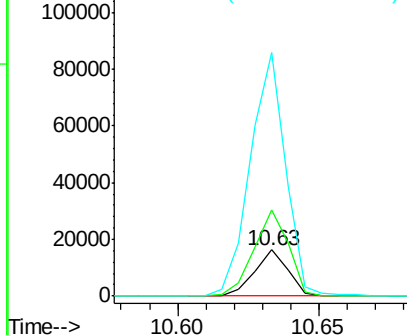
141 530.6 74.4 111.6#

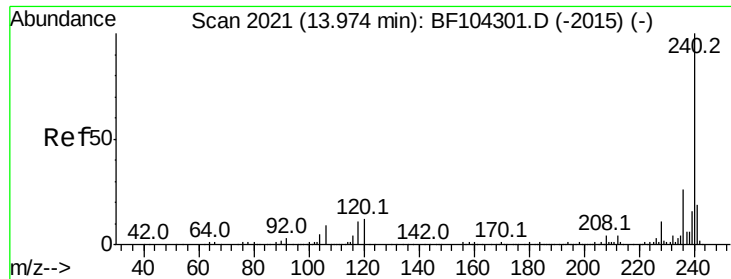


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF104392.D

Acq: 10 Apr 2018 00:59

Instrument :

BNA_F

ClientSampleId :

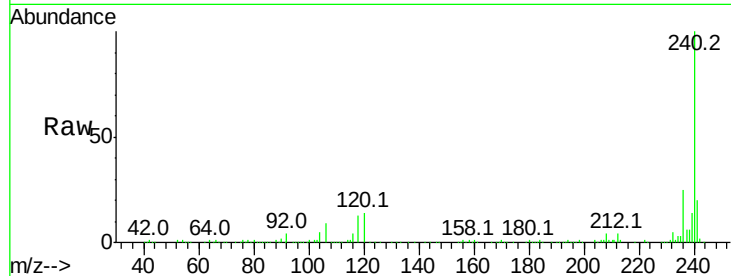
Tot Ion:240 Resp: 272815

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

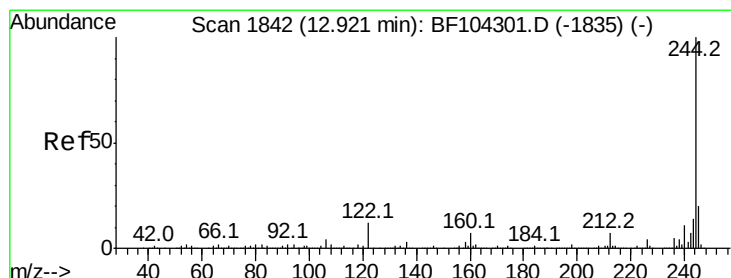
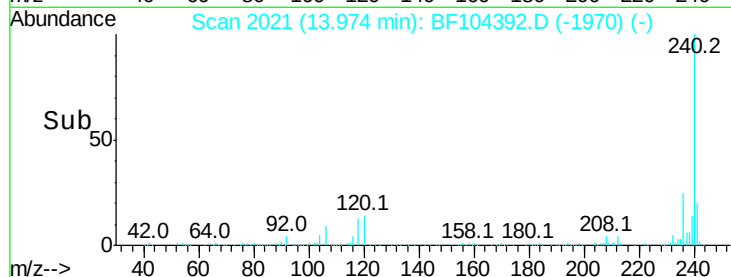
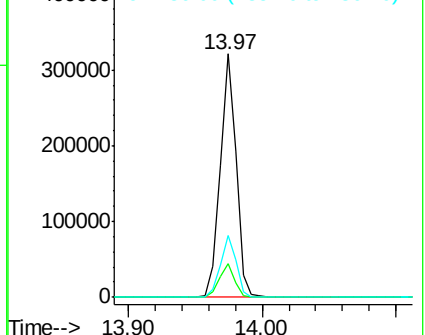
236 25.4 20.7 31.1



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: 85.964 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104392.D

Acq: 10 Apr 2018 00:59

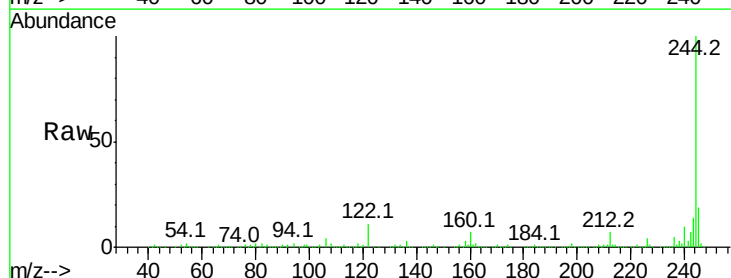
Tgt Ion:244 Resp: 1028686

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

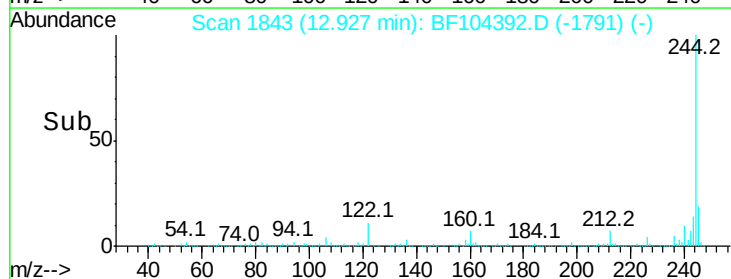
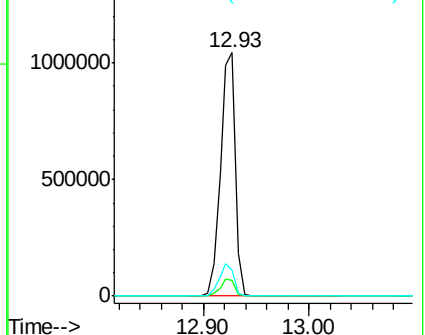
122 10.8 11.0 16.4#

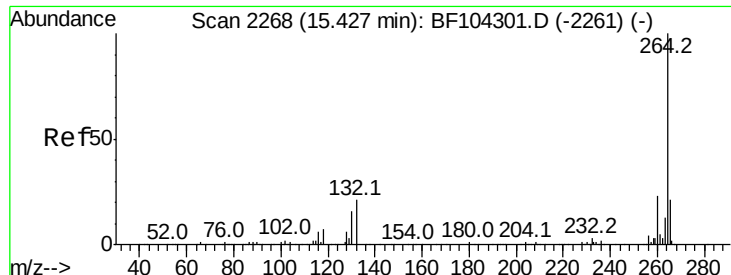


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

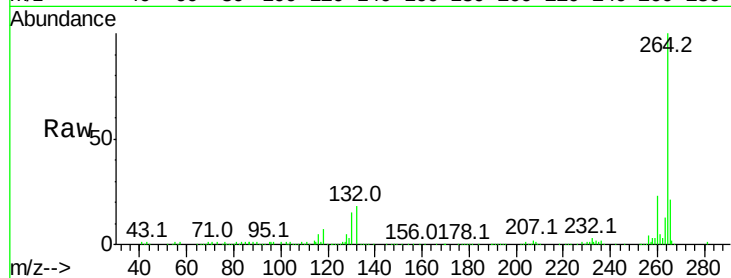




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF104392.D
Acq: 10 Apr 2018 00:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	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

