

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104470.D
 Acq On : 12 Apr 2018 23:50
 Operator : JU/SJ
 Sample : J2337-15
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 01:36:27 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 12 17:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	109872	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	408123	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	152983	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	241621	20.00	ng	0.00
75) Chrysene-d12	13.98	240	210833	20.00	ng	-0.01
86) Perylene-d12	15.45	264	148227	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	901629	125.48	ng	0.02
7) Phenol-d6	6.45	99	987032	111.80	ng	0.00
23) Nitrobenzene-d5	7.37	82	710848	113.73	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	220227	138.78	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1167836	120.59	ng	0.00
78) Terphenyl-d14	12.93	244	1007253	108.92	ng	0.00

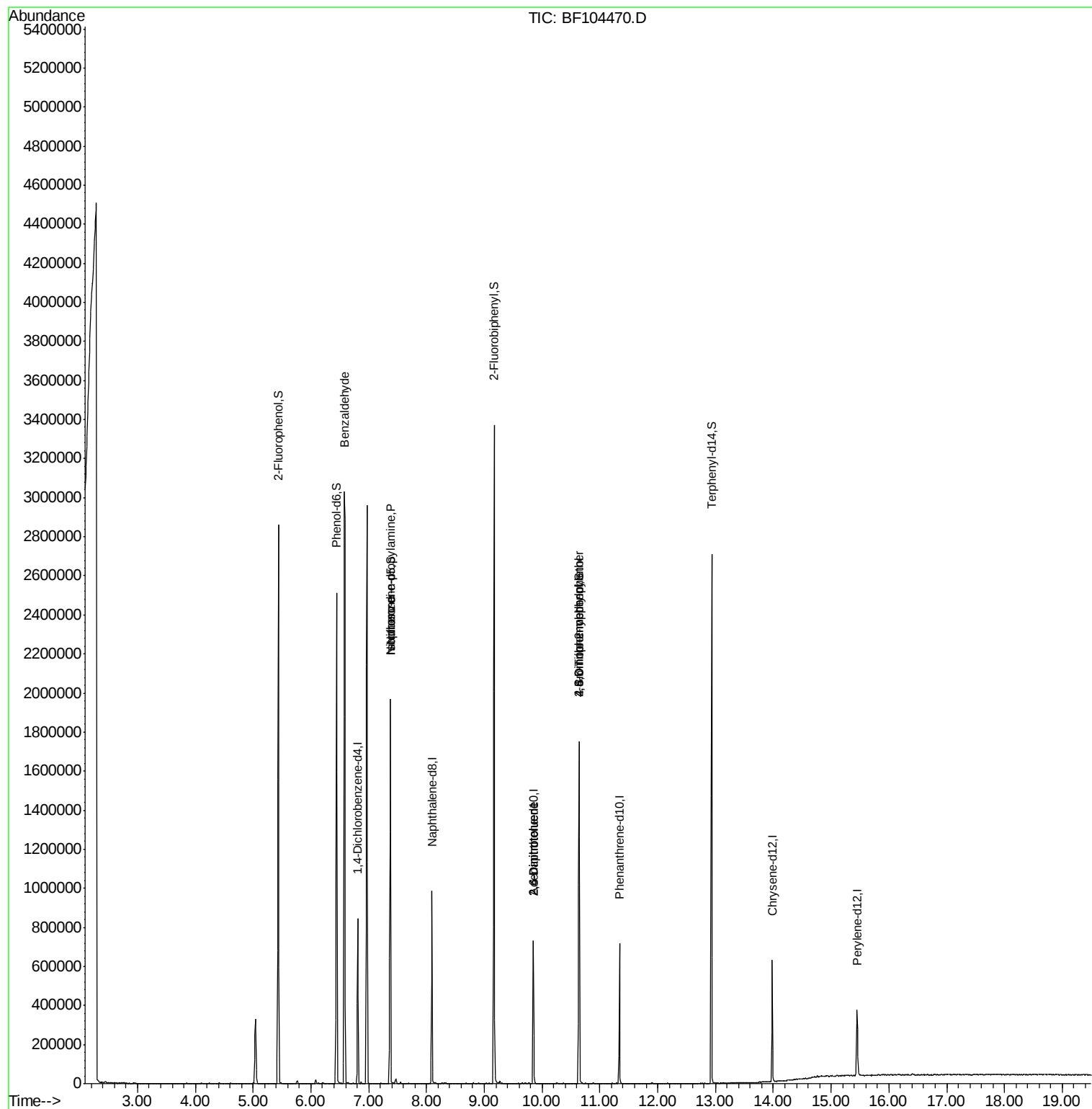
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.58	77	21040	2.371	ng	83
19) n-Nitroso-di-n-propylamine	7.37	70	92379	16.012	ng	# 76
25) Isophorone	7.37	82	710840	53.783	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	19242	8.620	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	19242	6.571	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	430	7.657	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	13471	5.241	ng	# 1
76) Benzydine	12.93	184	13217	Below Cal	#	95

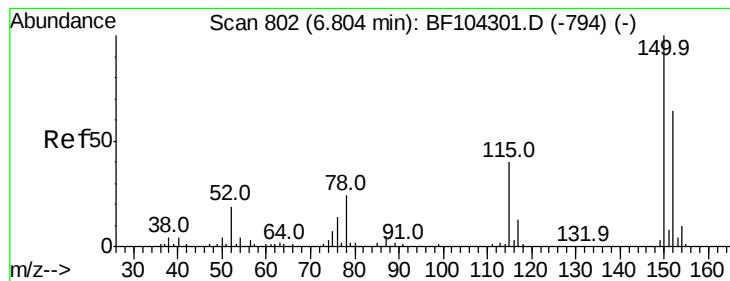
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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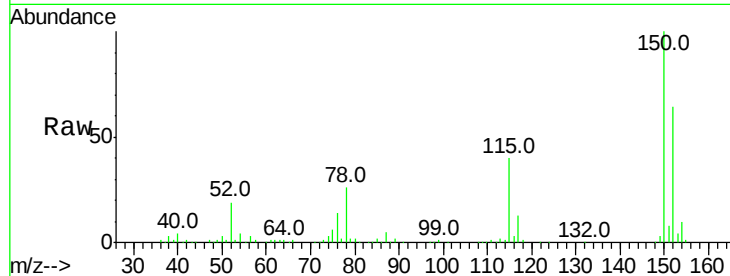


#1

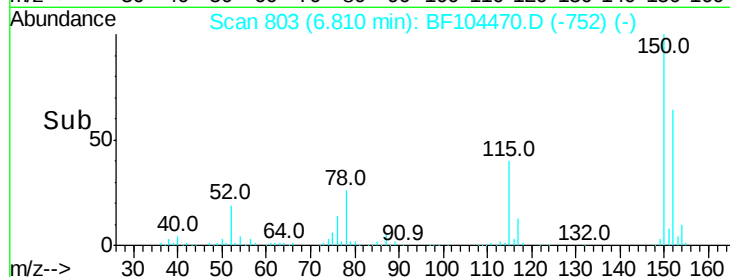
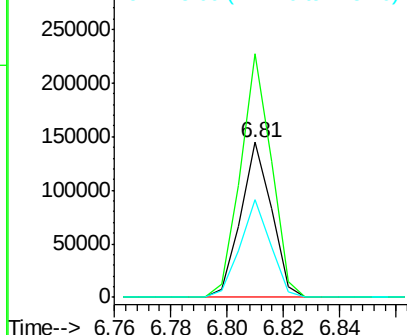
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF104470.D
 Acq: 12 Apr 2018 23:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 109872
 Ion Ratio Lower Upper
 152 100
 150 157.3 124.6 186.8
 115 63.4 50.1 75.1



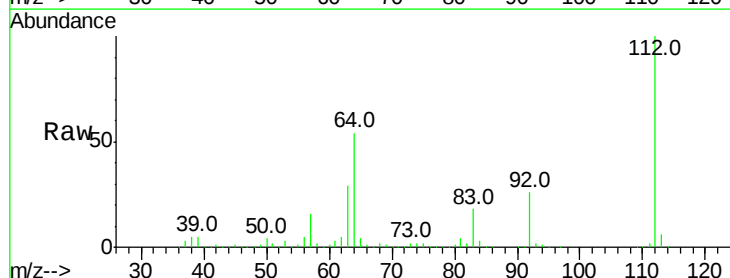
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



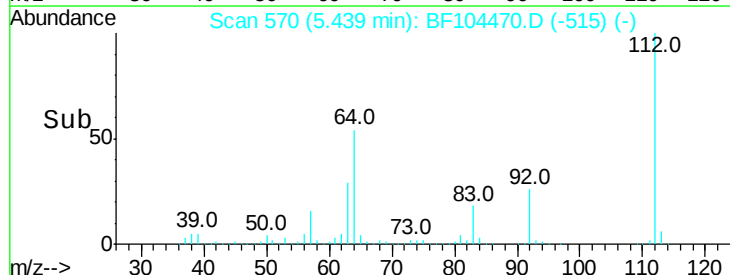
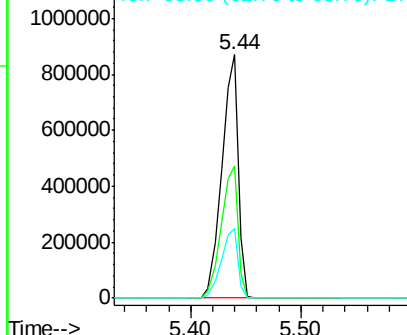
#5

2-Fluorophenol
 Concen: 125.477 ng
 RT: 5.44 min Scan# 570
 Delta R.T. 0.02 min
 Lab File: BF104470.D
 Acq: 12 Apr 2018 23:50

Tgt Ion:112 Resp: 901629
 Ion Ratio Lower Upper
 112 100
 64 54.2 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: 111.797 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104470.D

Acq: 12 Apr 2018 23:50

Instrument :

BNA_F

ClientSampleId :

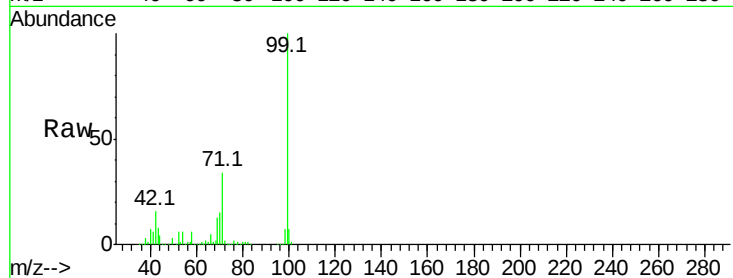
Tot Ion: 99 Resp: 987032

Ion Ratio Lower Upper

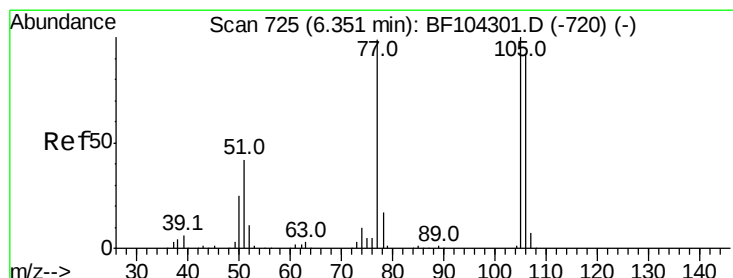
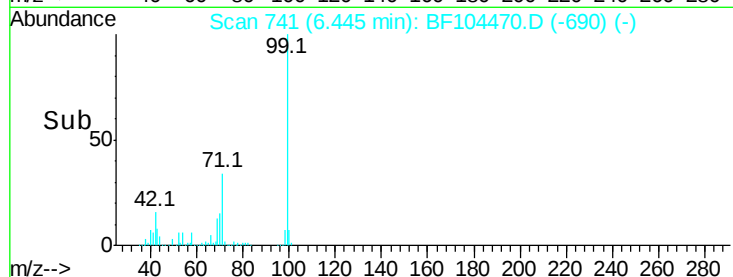
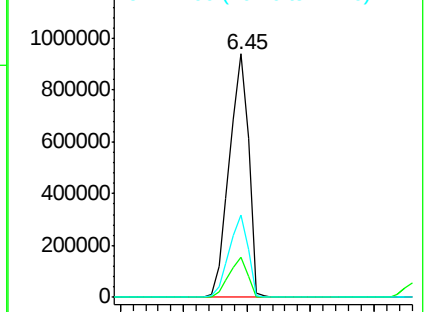
99 100

42 16.3 14.5 21.7

71 33.8 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



#9

Benzaldehyde

Concen: 2.371 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.22 min

Lab File: BF104470.D

Acq: 12 Apr 2018 23:50

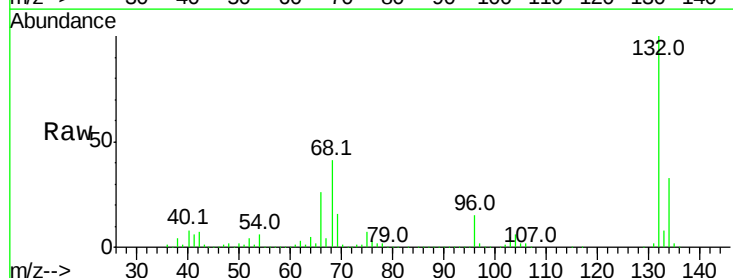
Tgt Ion: 77 Resp: 21040

Ion Ratio Lower Upper

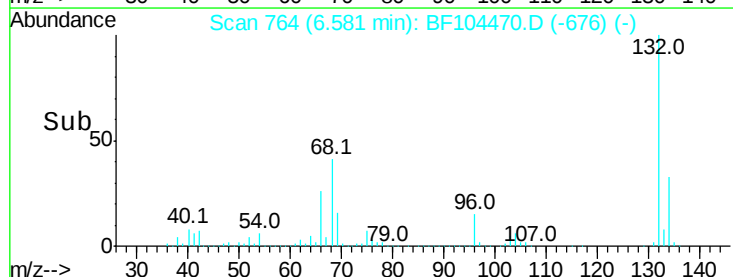
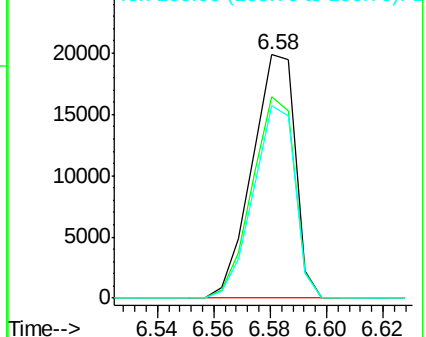
77 100

105 82.9 81.1 121.1

106 78.9 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

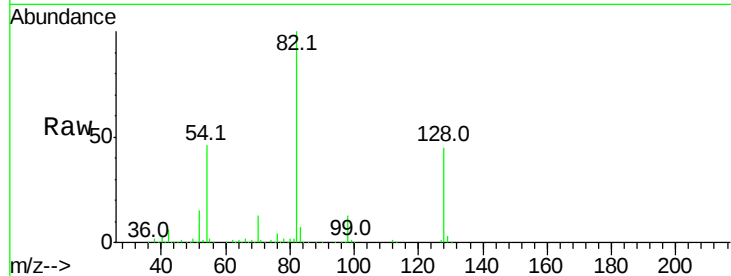




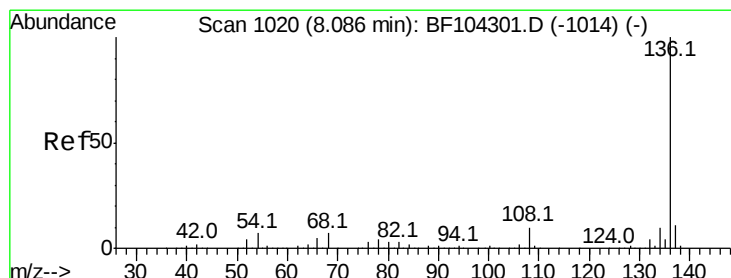
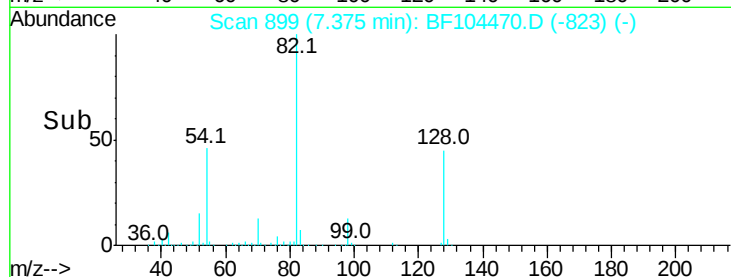
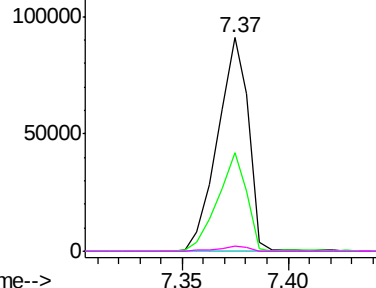
#19
n-Nitroso-di-n-propylamine
Concen: 16.012 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF104470.D
Acq: 12 Apr 2018 23:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 92379
Ion Ratio Lower Upper
70 100
42 45.9 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#

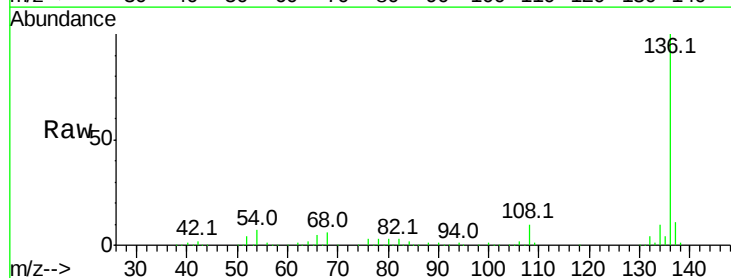


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

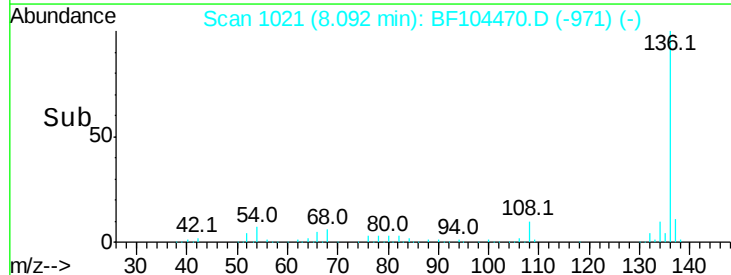
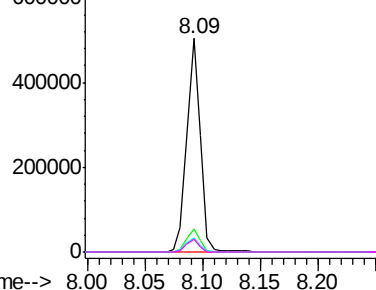


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104470.D
Acq: 12 Apr 2018 23:50

Tgt Ion: 136 Resp: 408123
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 6.9 6.6 9.8
68 6.0 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

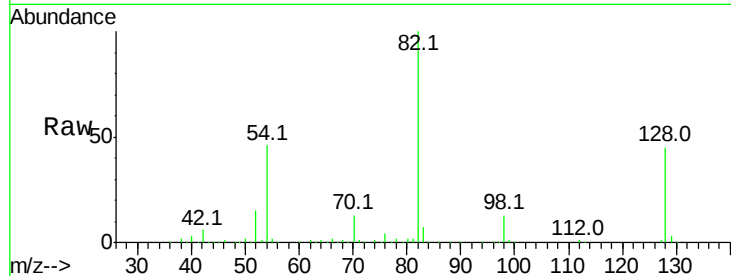




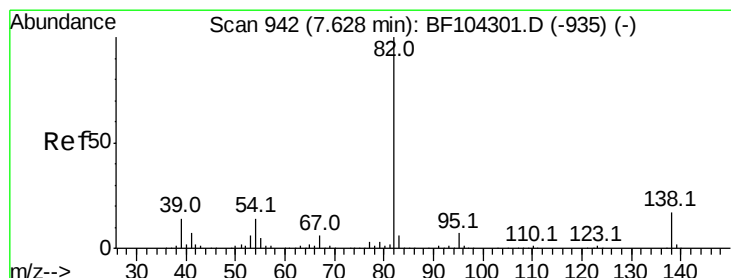
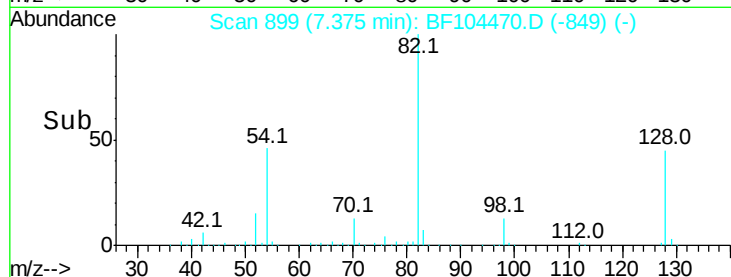
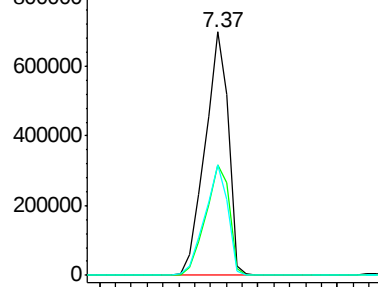
#23
 Nitrobenzene-d5
 Concen: 113.733 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF104470.D
 Acq: 12 Apr 2018 23:50

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 710848
 Ion Ratio Lower Upper
 82 100
 128 45.2 36.1 54.1
 54 45.6 41.4 62.2

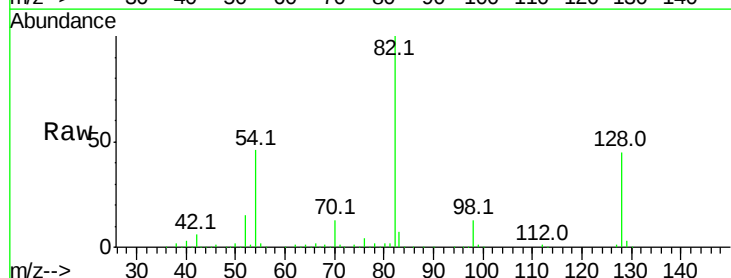


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

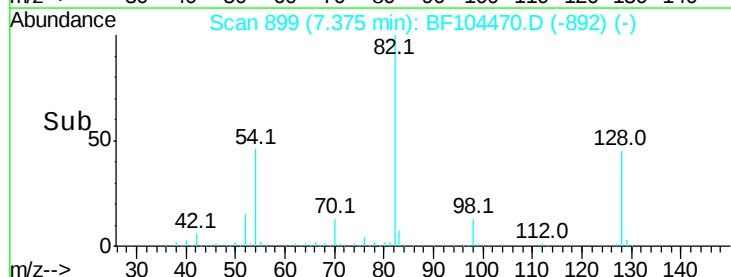
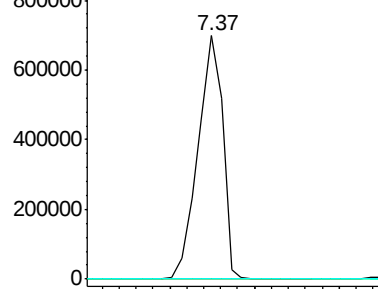


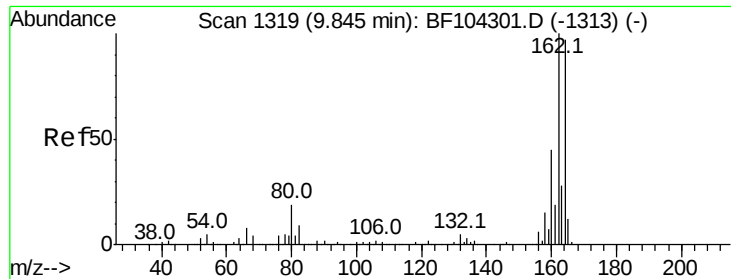
#25
 Isophorone
 Concen: 53.783 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.26 min
 Lab File: BF104470.D
 Acq: 12 Apr 2018 23:50

Tgt Ion: 82 Resp: 710840
 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

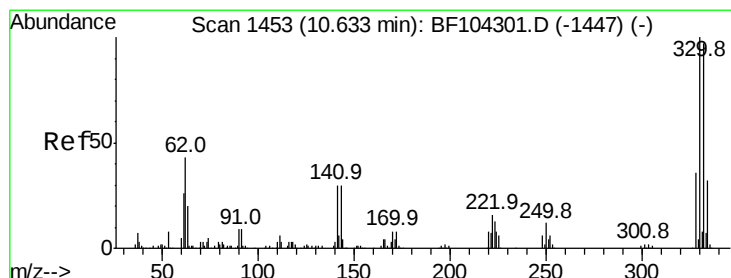
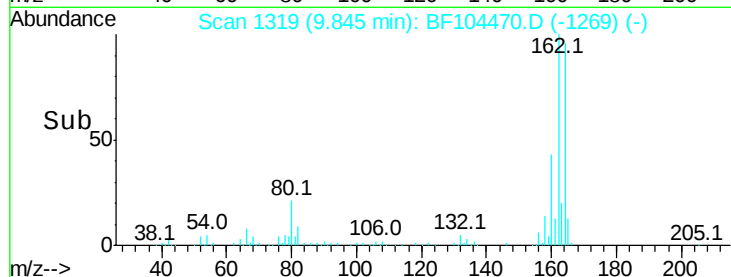
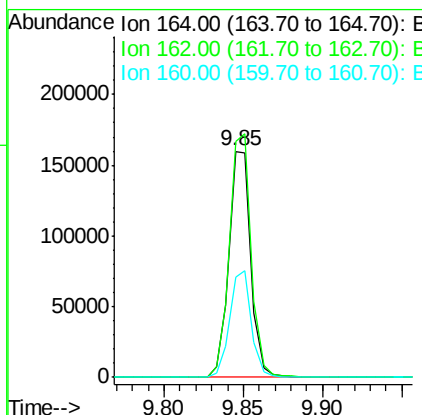
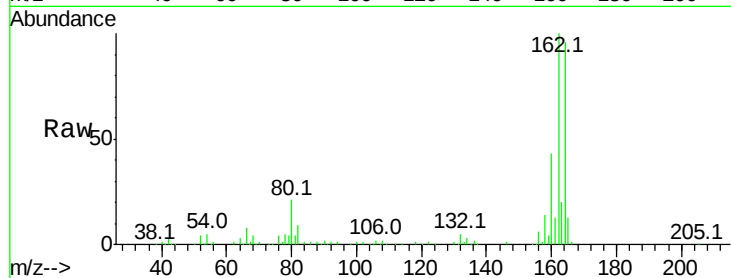




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF104470.D
 Acq: 12 Apr 2018 23:50

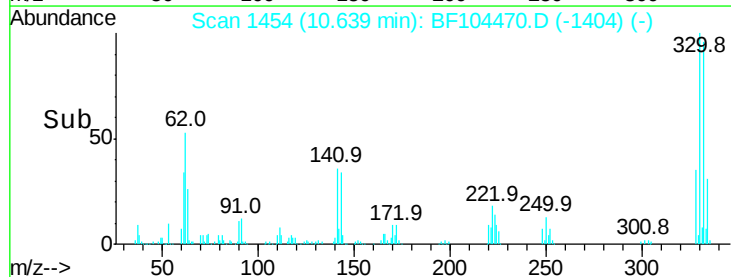
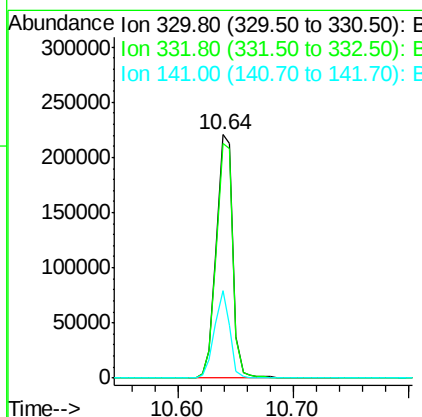
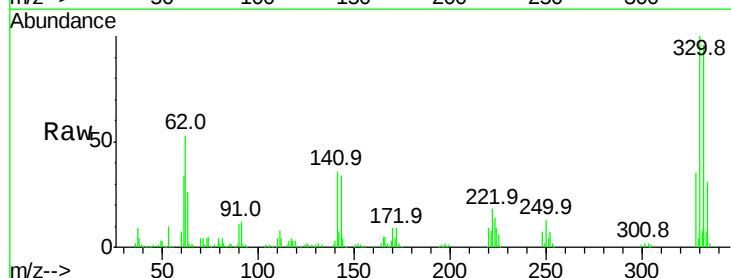
Instrument :
 BNA_F
 ClientSampleId :

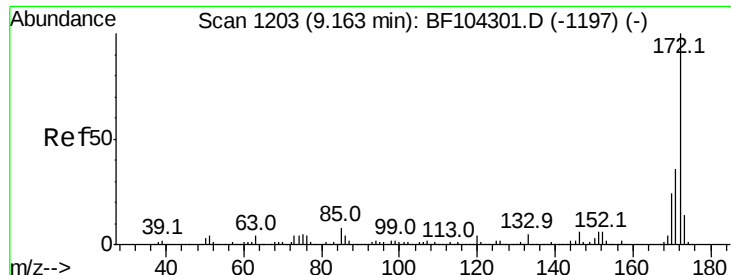
Tot Ion:164 Resp: 152983
 Ion Ratio Lower Upper
 164 100
 162 104.3 86.1 129.1
 160 44.5 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 138.775 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104470.D
 Acq: 12 Apr 2018 23:50

Tgt Ion:330 Resp: 220227
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 33.0 29.9 44.9



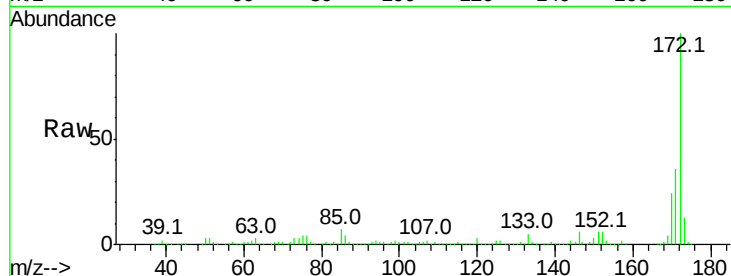


#44
 2-Fluorobiphenyl
 Concen: 120.594 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104470.D
 Acq: 12 Apr 2018 23:50

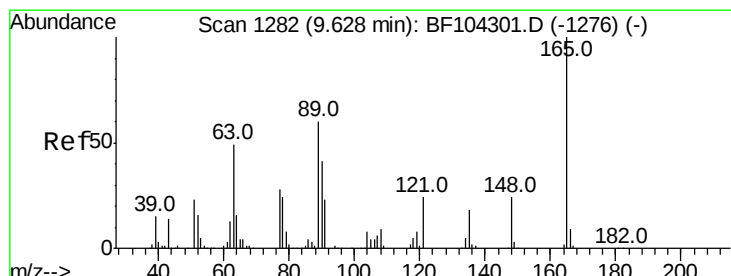
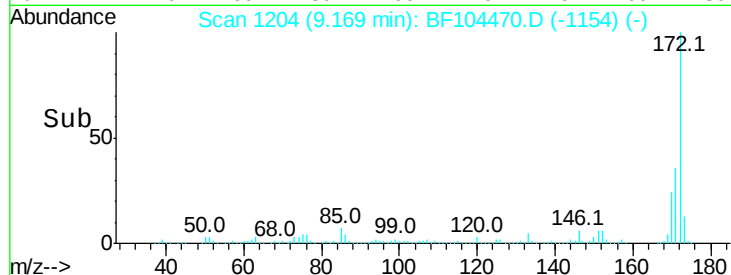
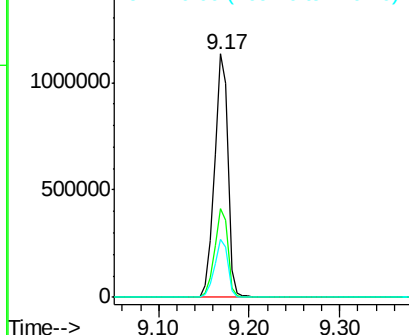
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1167836

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.8	19.6	29.4



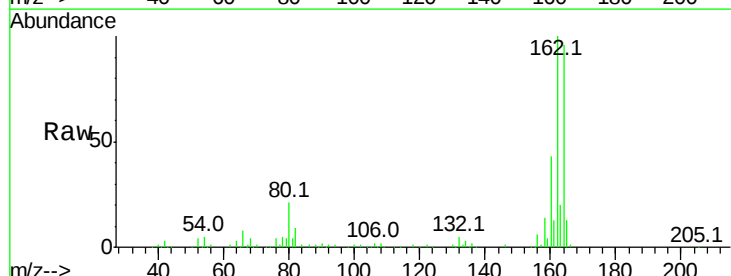
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



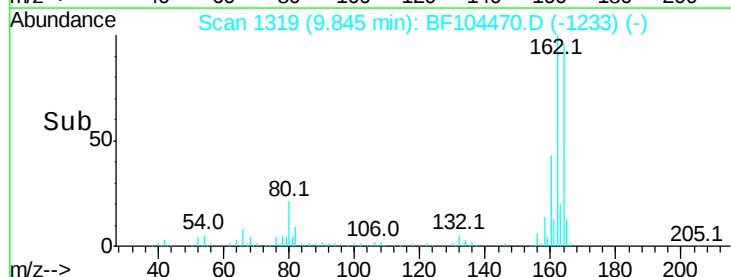
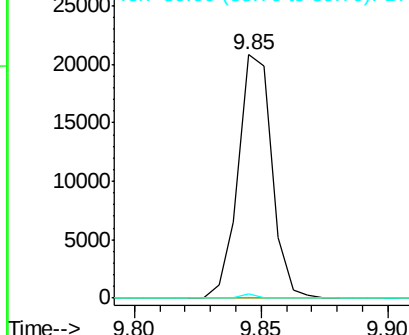
#50
 2,6-Dinitrotoluene
 Concen: 8.620 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104470.D
 Acq: 12 Apr 2018 23:50

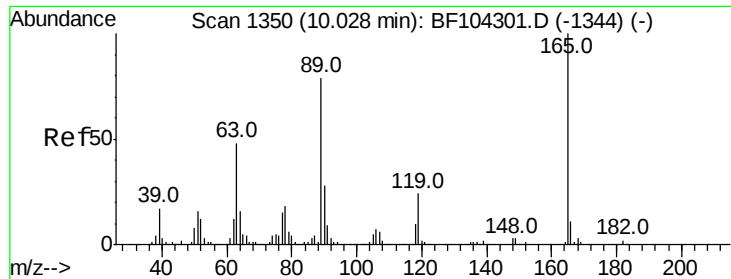
Tgt Ion:165 Resp: 19242

Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.5	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

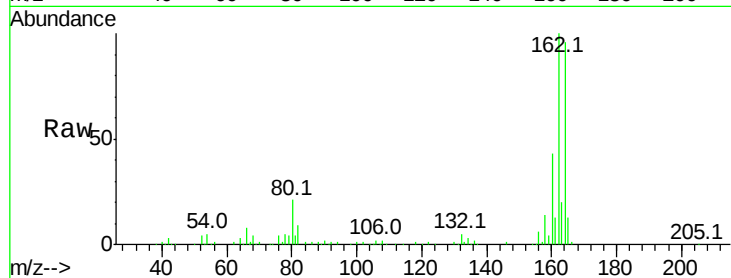




#56
 2,4-Dinitrotoluene
 Concen: 6.571 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF104470.D
 Acq: 12 Apr 2018 23:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	19242
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

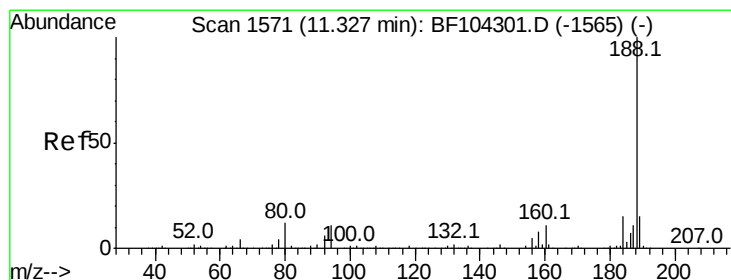
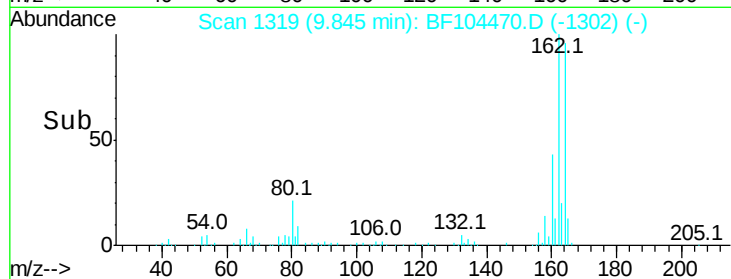
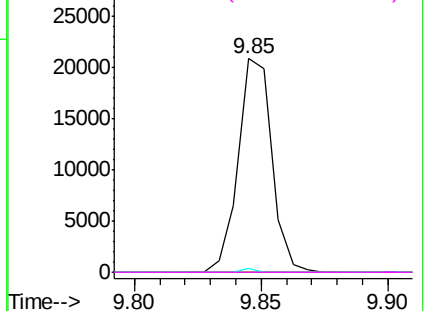


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

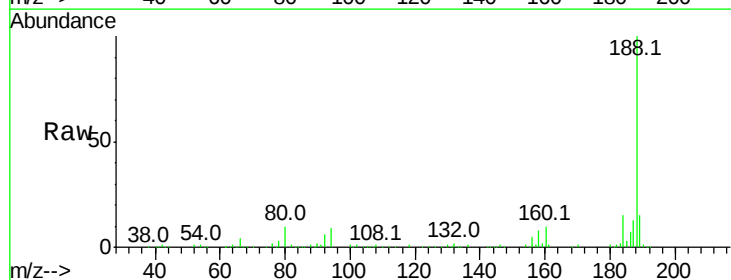
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF104470.D
 Acq: 12 Apr 2018 23:50

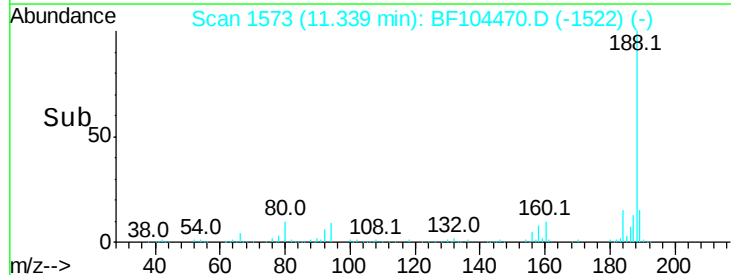
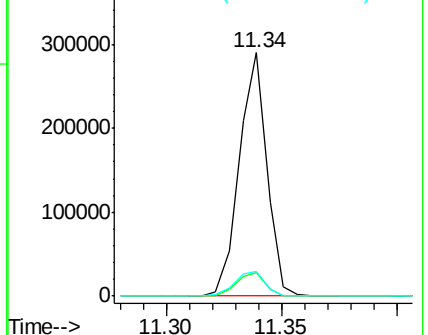
Tgt Ion:	188	Resp:	241621
Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.4	9.2	13.8



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: 7.657 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.19 min

Lab File: BF104470.D

Acq: 12 Apr 2018 23:50

Instrument :

BNA_F

ClientSampled :

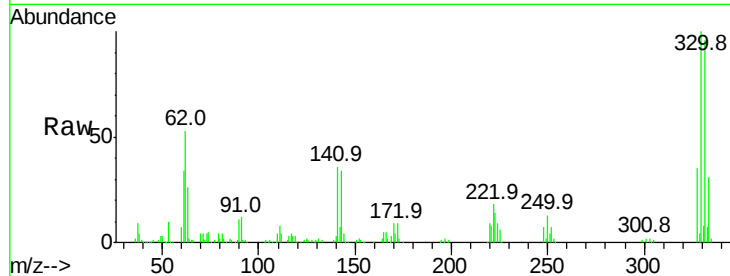
Tot Ion:198 Resp: 430

Ion Ratio Lower Upper

198 100

51 152.9 37.7 77.7#

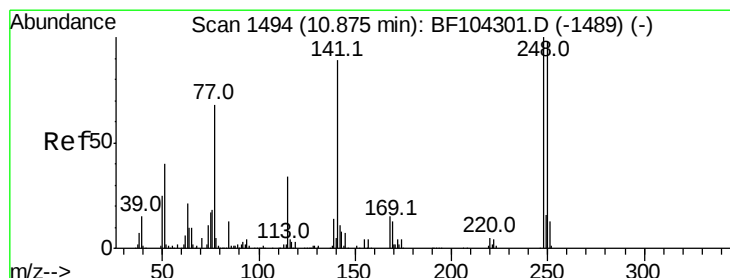
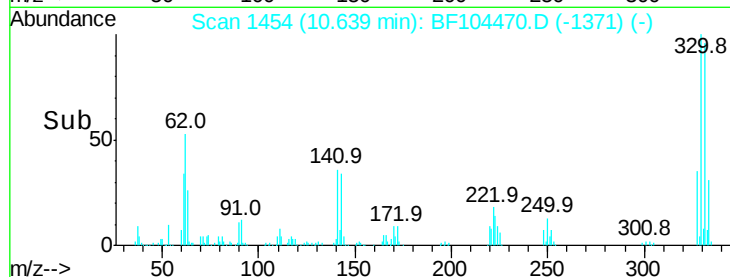
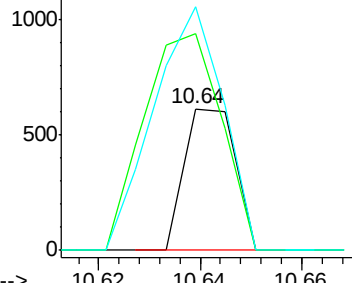
105 172.0 36.3 76.3#



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: 5.241 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.25 min

Lab File: BF104470.D

Acq: 12 Apr 2018 23:50

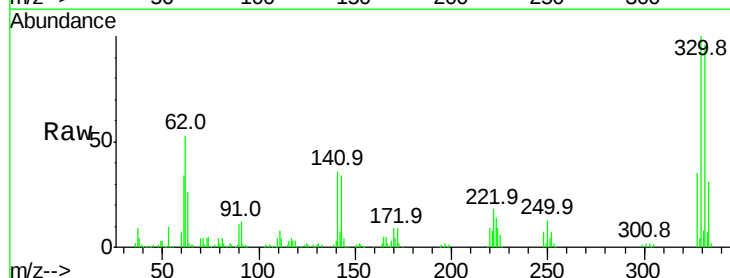
Tgt Ion:248 Resp: 13471

Ion Ratio Lower Upper

248 100

250 197.4 76.9 115.3#

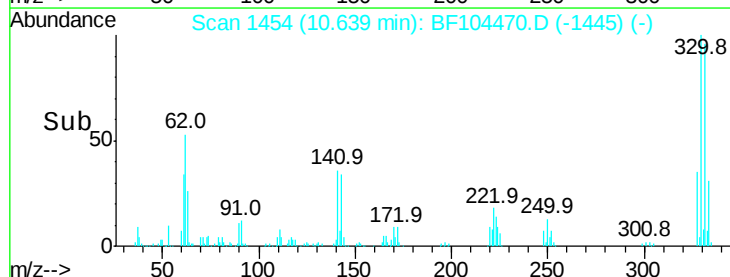
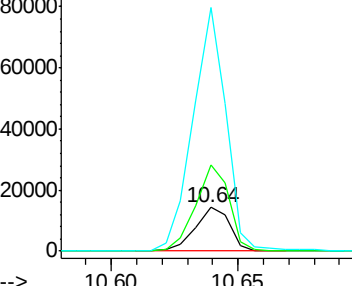
141 555.6 74.4 111.6#

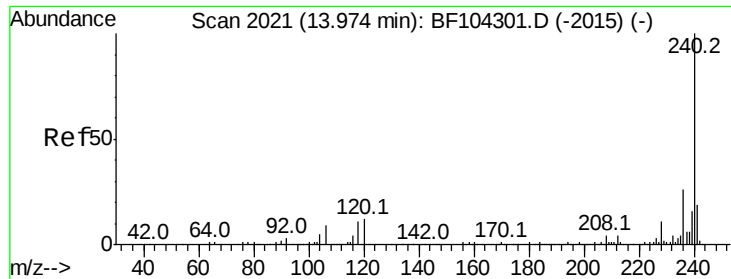


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

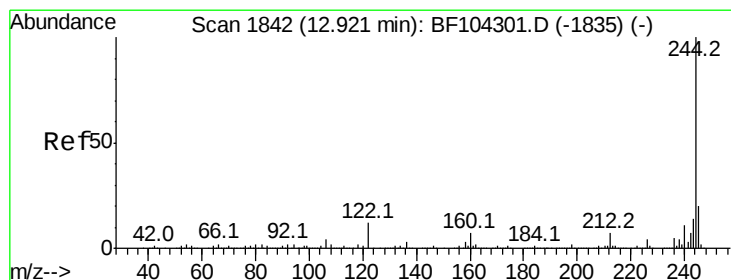
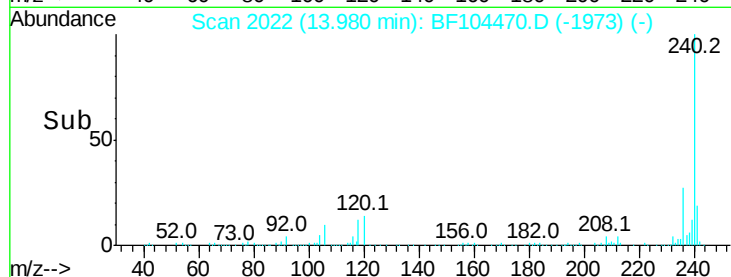
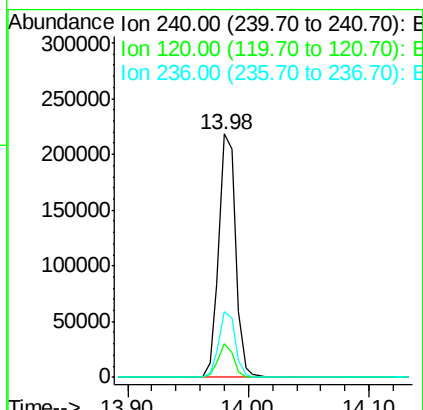
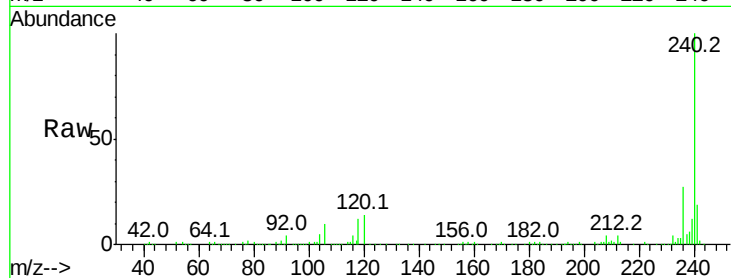




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF104470.D
 Acq: 12 Apr 2018 23:50

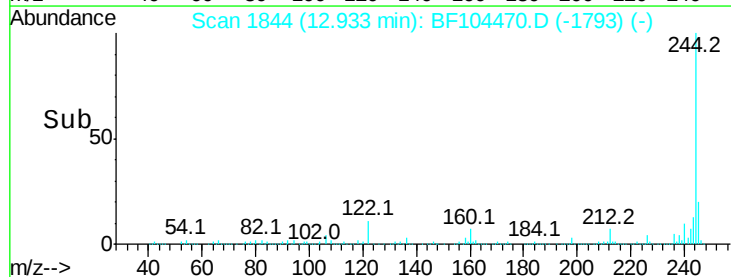
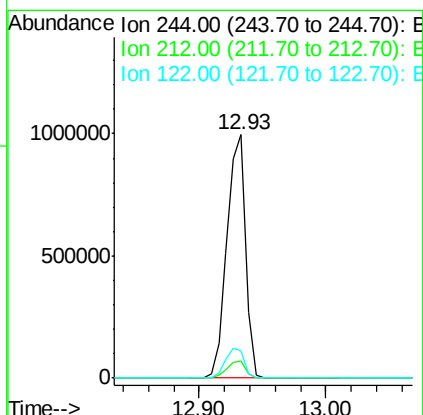
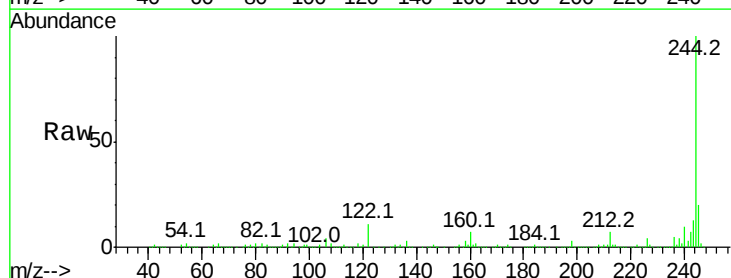
Instrument :
 BNA_F
 ClientSampled :

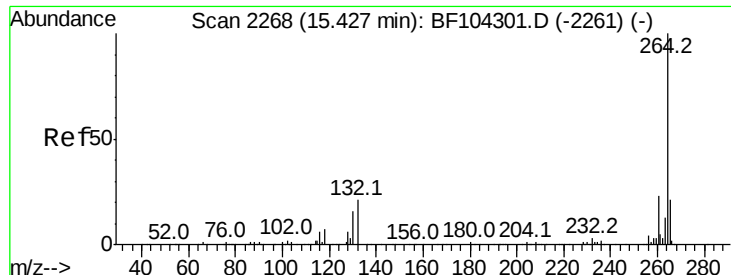
Tot Ion:240 Resp: 210833
 Ion Ratio Lower Upper
 240 100
 120 13.6 9.5 14.3
 236 26.8 20.7 31.1



#78
 Terphenyl-d14
 Concen: 108.919 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: BF104470.D
 Acq: 12 Apr 2018 23:50

Tgt Ion:244 Resp: 1007253
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.3 11.0 16.4

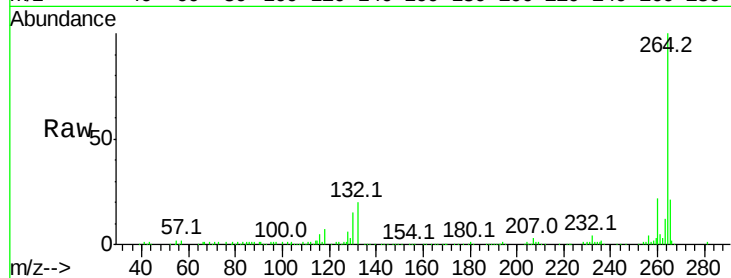




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104470.D
Acq: 12 Apr 2018 23:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.2	28.8
265	21.5	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

