

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104855.D
 Acq On : 26 Apr 2018 23:21
 Operator : JU/SJ
 Sample : J2576-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 07:42:24 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

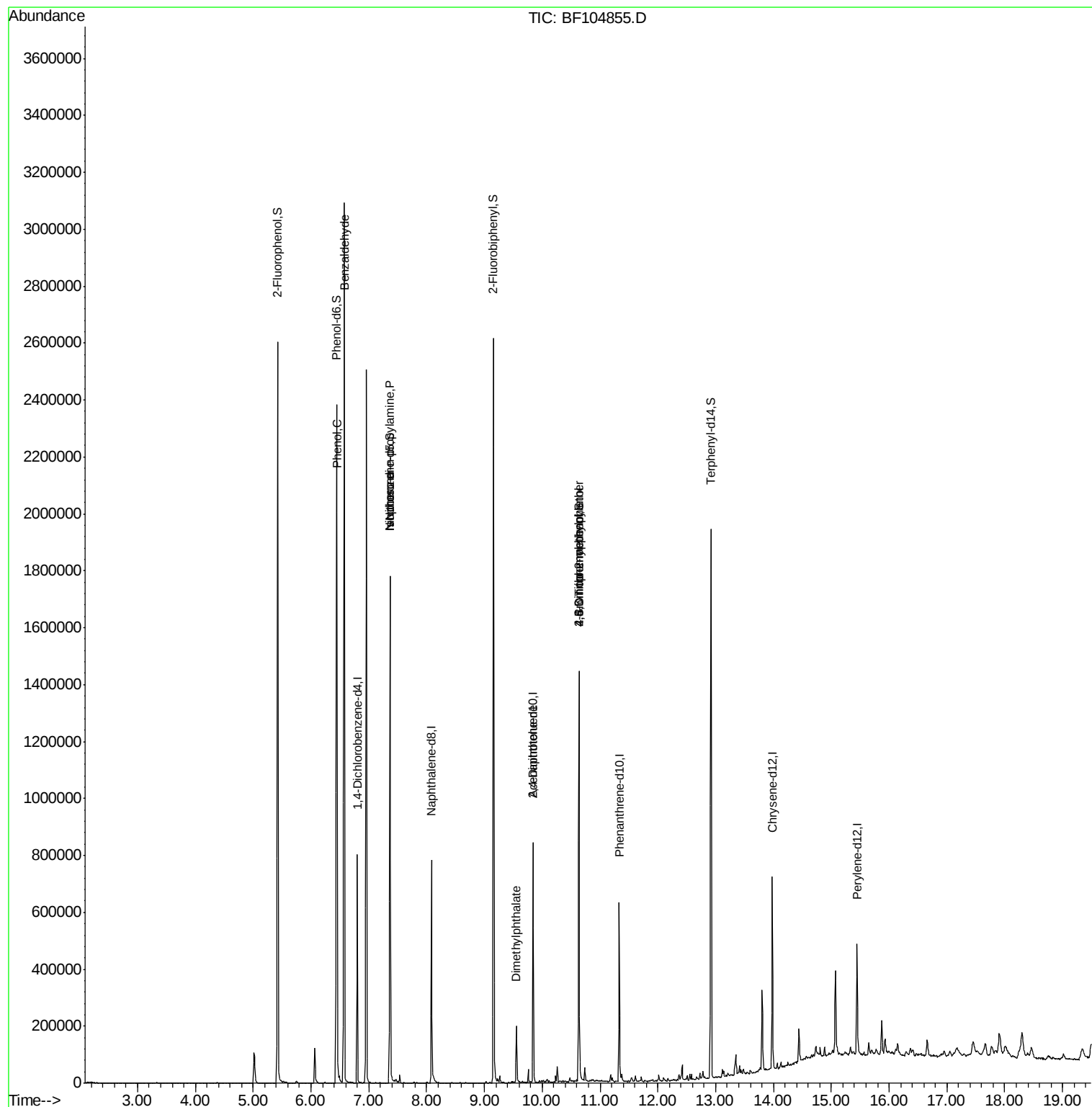
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	108220	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	416674	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	158497	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	253019	20.00	ng	0.00
75) Chrysene-d12	13.98	240	233076	20.00	ng	0.00
86) Perylene-d12	15.44	264	159146	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	867866	122.62	ng	0.00
7) Phenol-d6	6.45	99	1048297	120.55	ng	0.00
23) Nitrobenzene-d5	7.37	82	629424	98.64	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	186536	113.46	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	850564	84.78	ng	0.00
78) Terphenyl-d14	12.92	244	678317	66.35	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	19003	2.048	ng	85
10) Phenol	6.46	94	20207	2.190	ng	91
19) n-Nitroso-di-n-propylamine	7.37	70	81286	14.305	ng	# 73
25) Isophorone	7.37	82	629420	46.645	ng	# 64
49) Dimethylphthalate	9.55	163	84620	6.770	ng	100
56) 2,4-Dinitrotoluene	9.84	165	19818	6.533	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	238	7.511	ng	# 8
66) 4-Bromophenyl-phenylether	10.63	248	11403	4.237	ng	# 1
76) Benzidine	12.92	184	9095	Below Cal	#	92

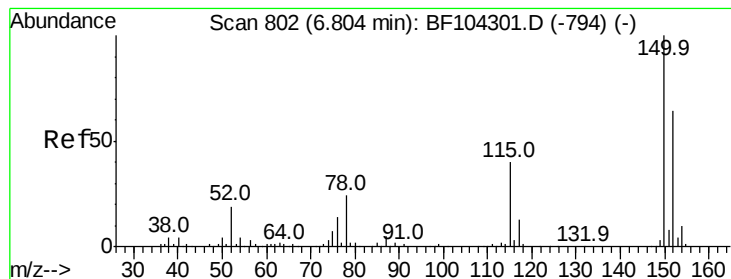
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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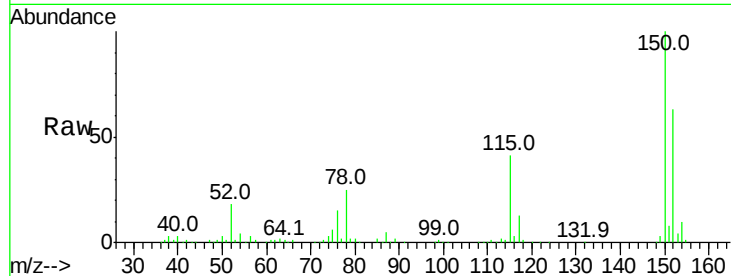


#1

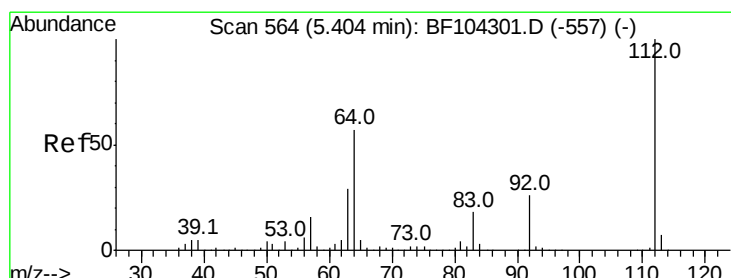
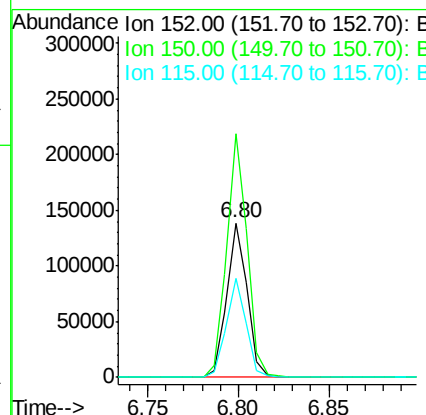
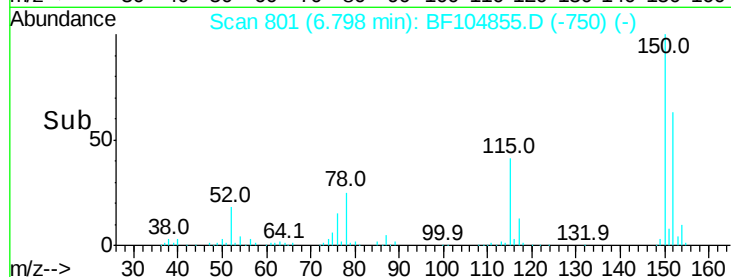
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104855.D
Acq: 26 Apr 2018 23:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 108220
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 64.2 50.1 75.1



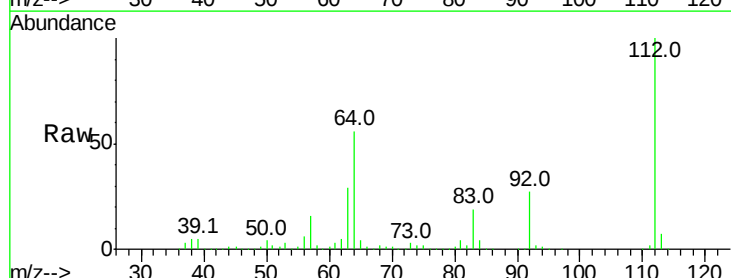
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



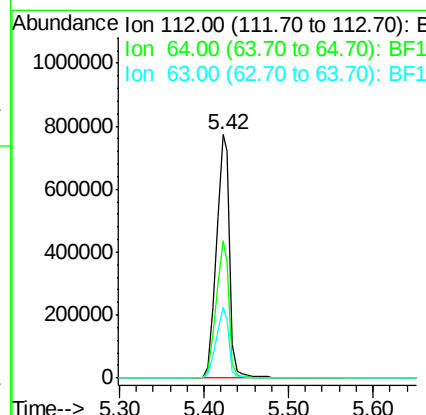
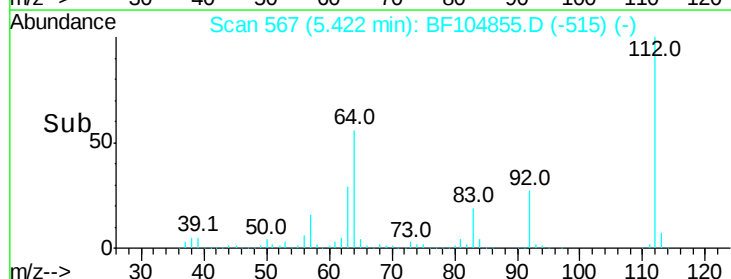
#5

2-Fluorophenol
Concen: 122.622 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104855.D
Acq: 26 Apr 2018 23:21

Tgt Ion:112 Resp: 867866
Ion Ratio Lower Upper
112 100
64 56.5 47.9 71.9
63 29.2 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: 120.549 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104855.D

Acq: 26 Apr 2018 23:21

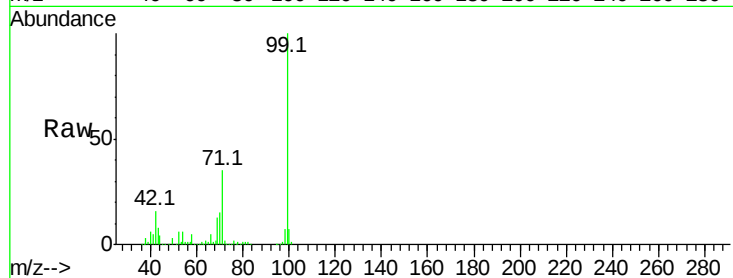
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1048297

Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.5	21.7
71	34.7	25.4	38.0

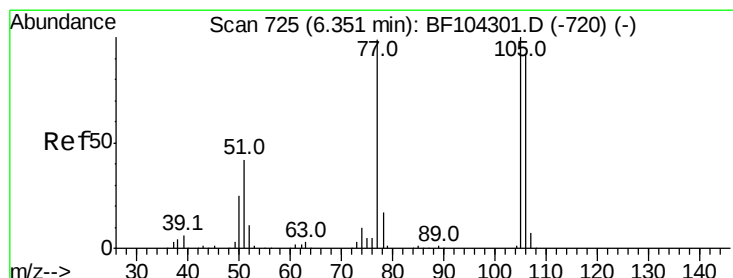
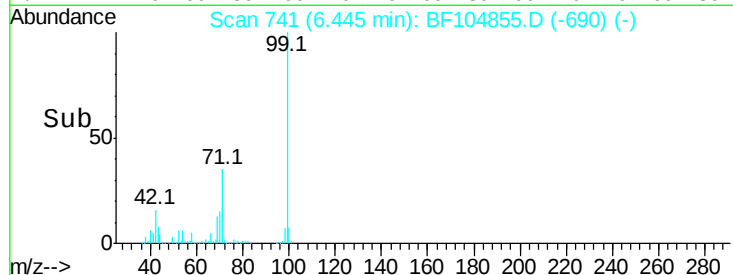
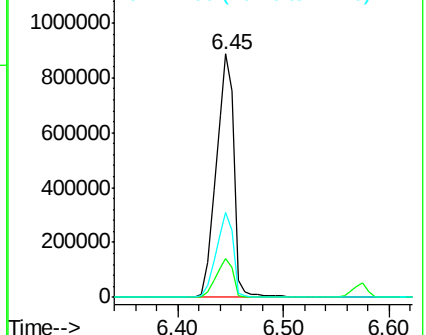


Abundance

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: 2.048 ng

RT: 6.57 min Scan# 763

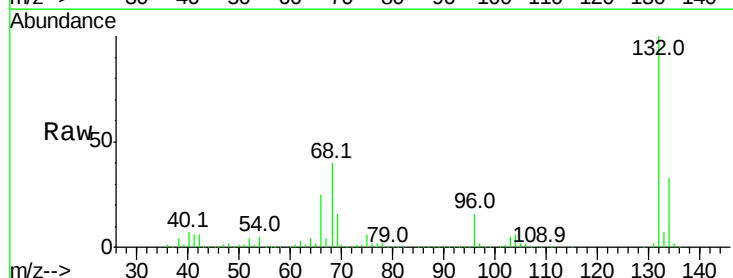
Delta R.T. 0.22 min

Lab File: BF104855.D

Acq: 26 Apr 2018 23:21

Tgt Ion: 77 Resp: 19003

Ion	Ratio	Lower	Upper
77	100		
105	85.2	81.1	121.1
106	80.8	74.5	114.5

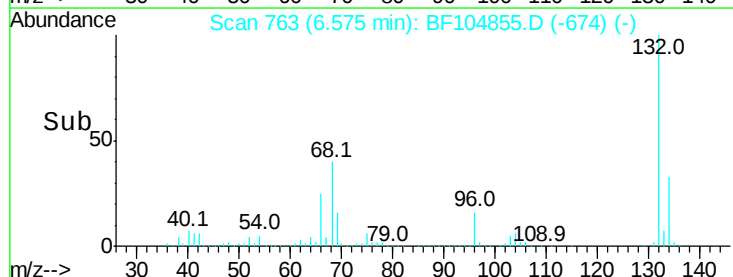
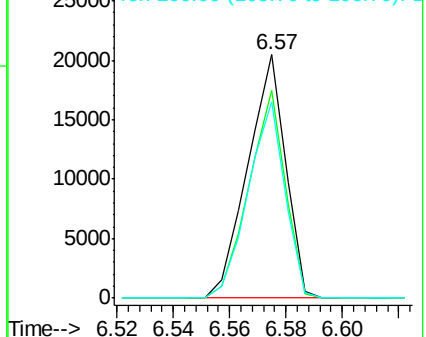


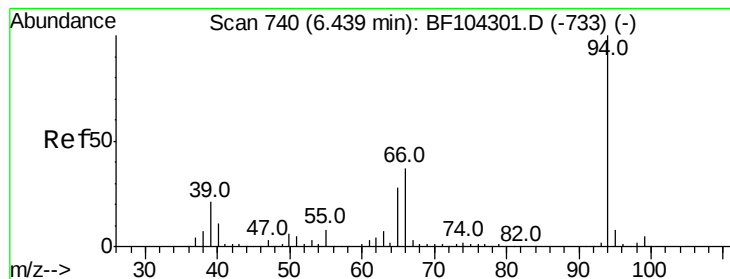
Abundance

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





#10

Phenol

Concen: 2.190 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF104855.D

Acq: 26 Apr 2018 23:21

Instrument :

BNA_F

ClientSampled :

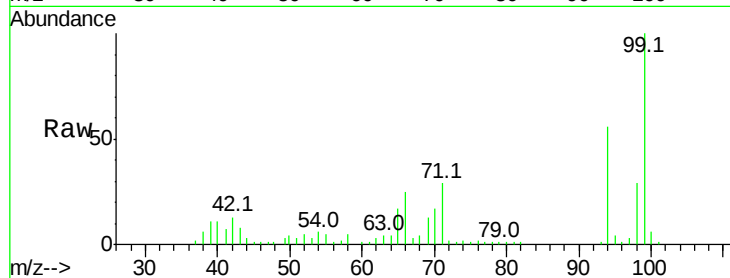
Tot Ion: 94 Resp: 20207

Ion Ratio Lower Upper

94 100

65 29.7 7.9 47.9

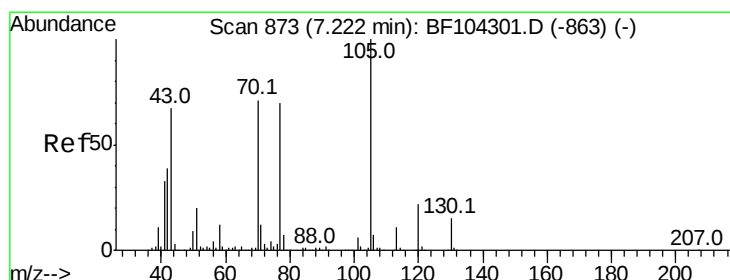
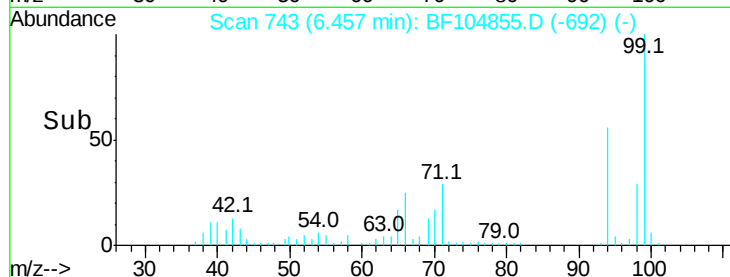
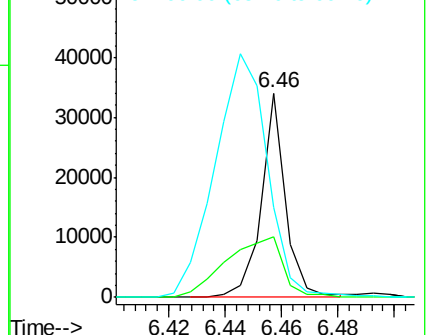
66 44.3 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.305 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104855.D

Acq: 26 Apr 2018 23:21

Tgt Ion: 70 Resp: 81286

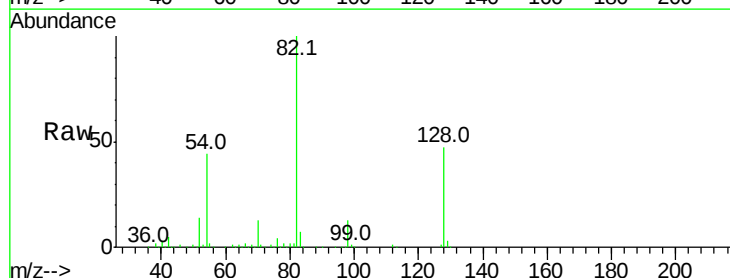
Ion Ratio Lower Upper

70 100

42 41.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

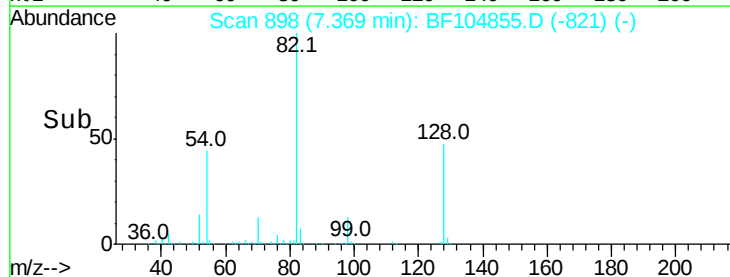
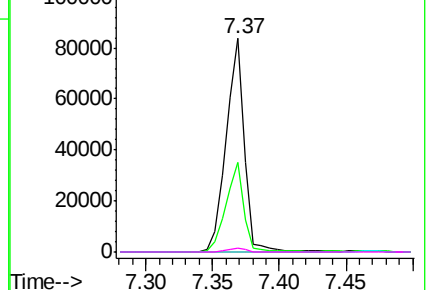


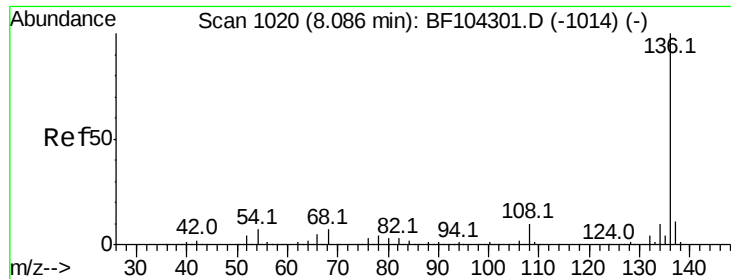
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

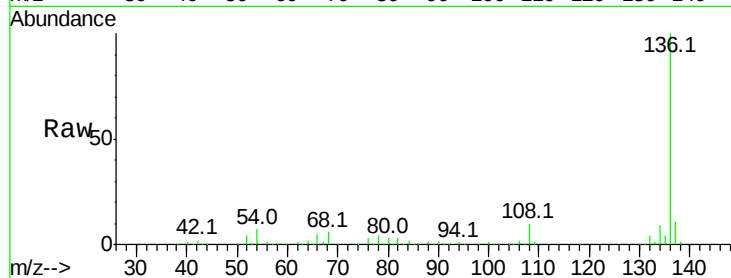




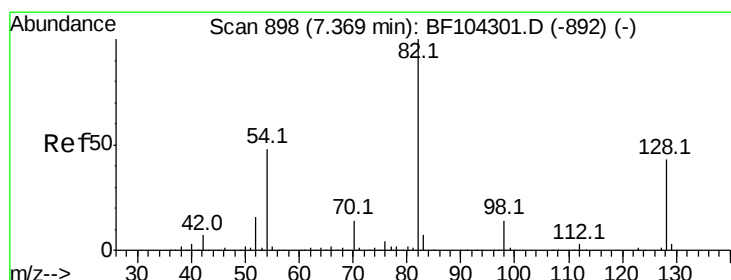
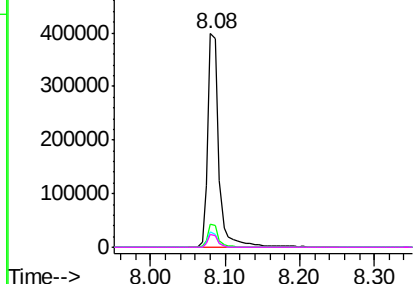
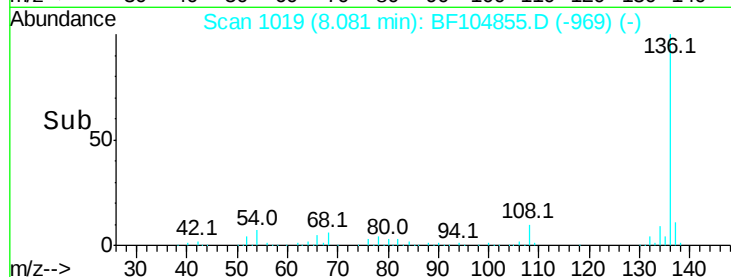
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104855.D
Acq: 26 Apr 2018 23:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	416674
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.9	6.6	9.8
68	6.0	5.0	7.4

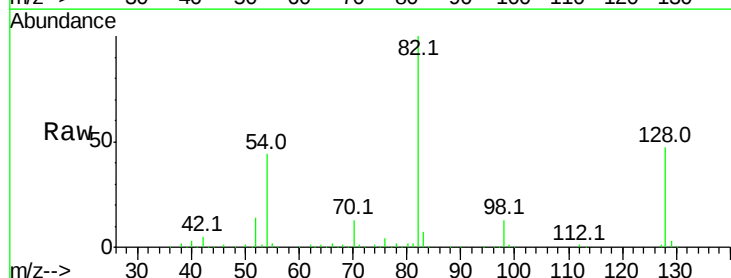


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

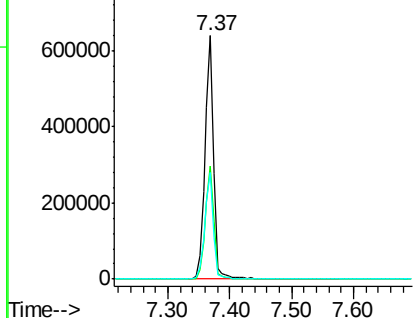
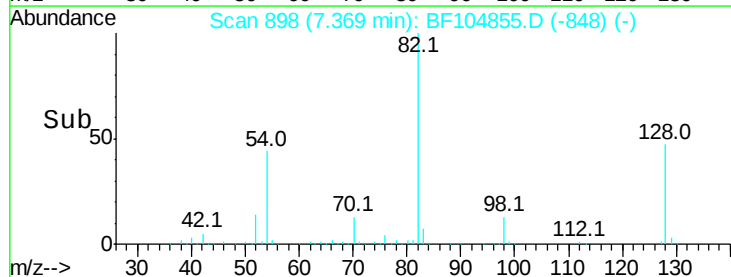


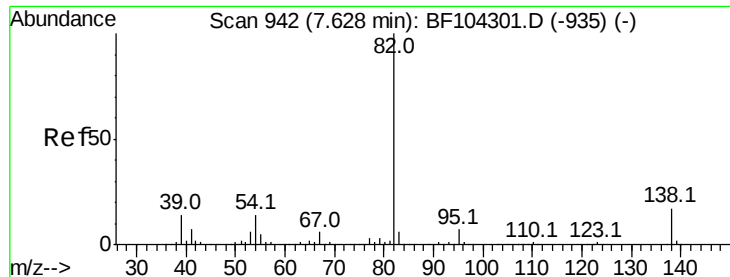
#23
Nitrobenzene-d5
Concen: 98.639 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104855.D
Acq: 26 Apr 2018 23:21

Tgt Ion:	82	Resp:	629424
Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.1	54.1
54	43.6	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: 46.645 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104855.D

Acq: 26 Apr 2018 23:21

Instrument :

BNA_F

ClientSampleId :

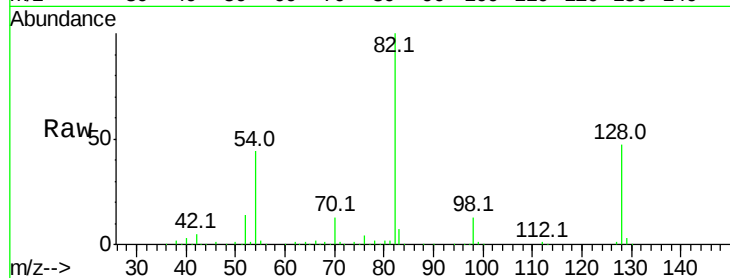
Tot Ion: 82 Resp: 629420

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

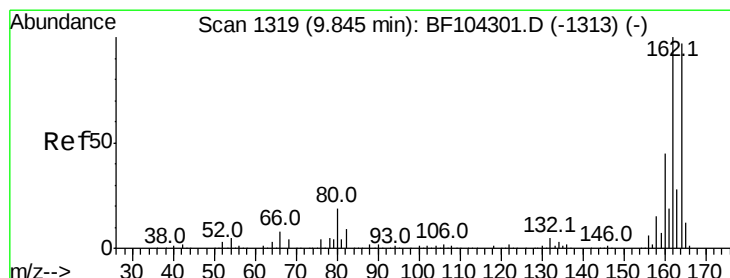
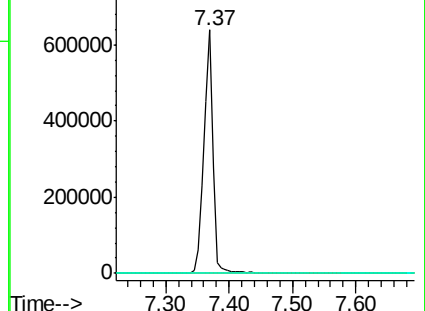
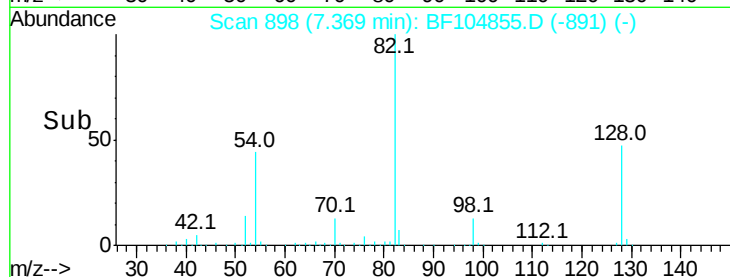
138 0.0 14.9 22.3#



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: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104855.D

Acq: 26 Apr 2018 23:21

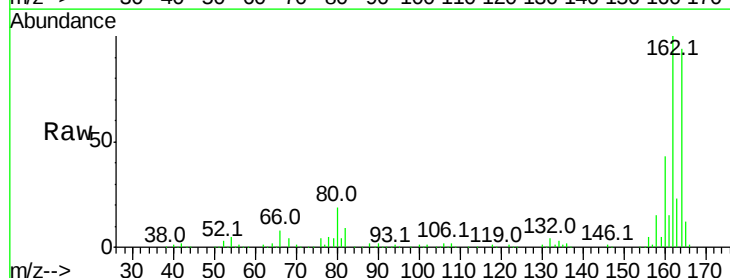
Tgt Ion:164 Resp: 158497

Ion Ratio Lower Upper

164 100

162 106.2 86.1 129.1

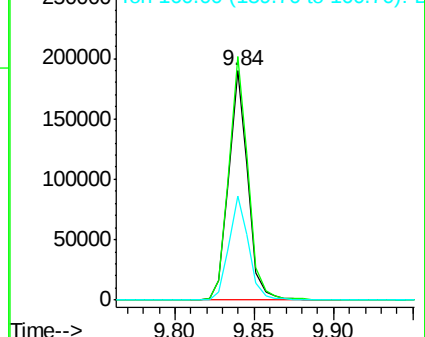
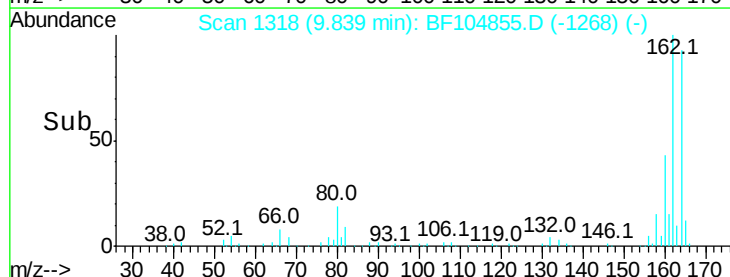
160 45.6 38.3 57.5

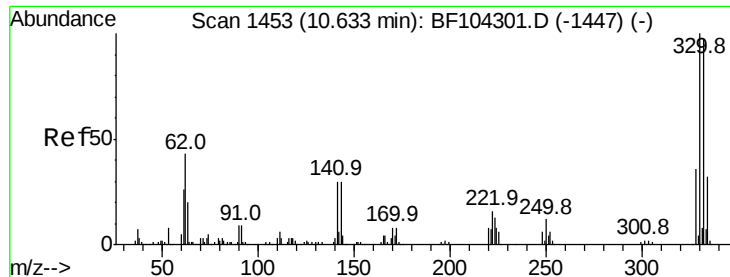


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 113.456 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104855.D

Acq: 26 Apr 2018 23:21

Instrument :

BNA_F

ClientSampled :

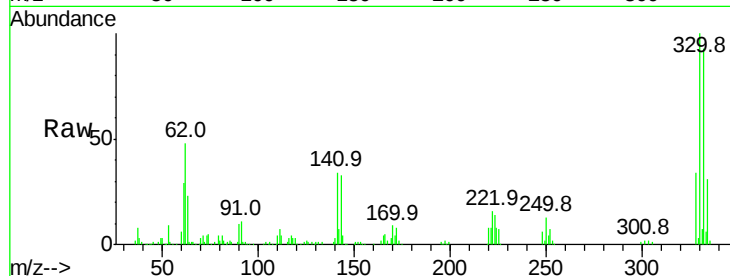
Tot Ion:330 Resp: 186536

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

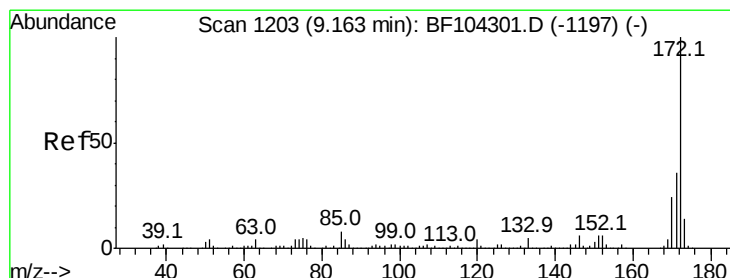
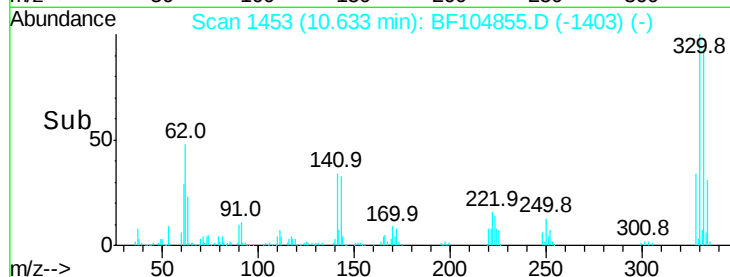
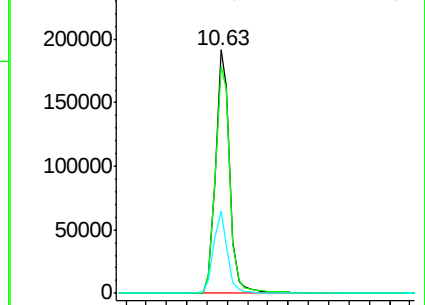
141 33.0 29.9 44.9



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: 84.776 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF104855.D

Acq: 26 Apr 2018 23:21

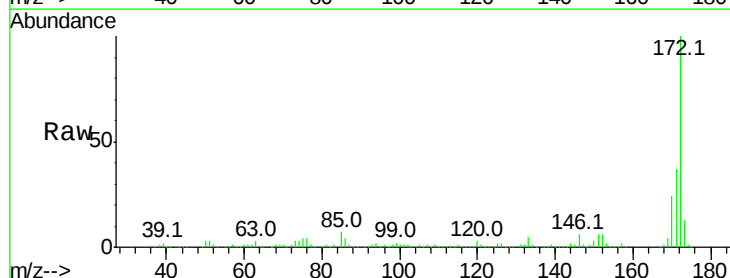
Tgt Ion:172 Resp: 850564

Ion Ratio Lower Upper

172 100

171 36.7 29.7 44.5

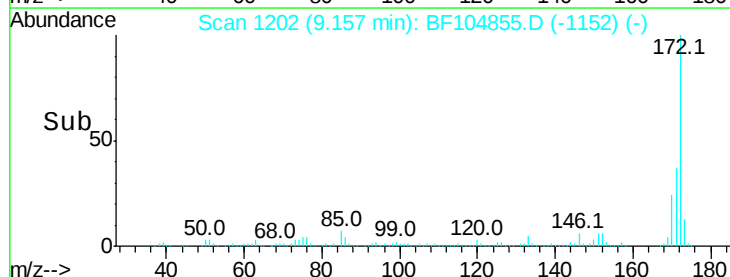
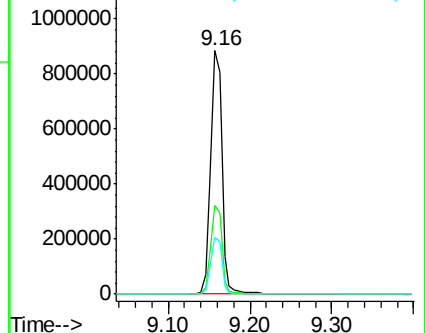
170 23.5 19.6 29.4

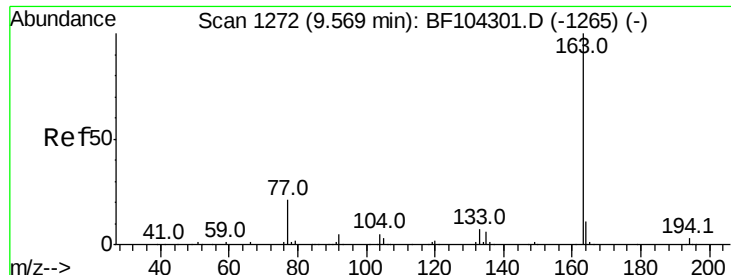


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

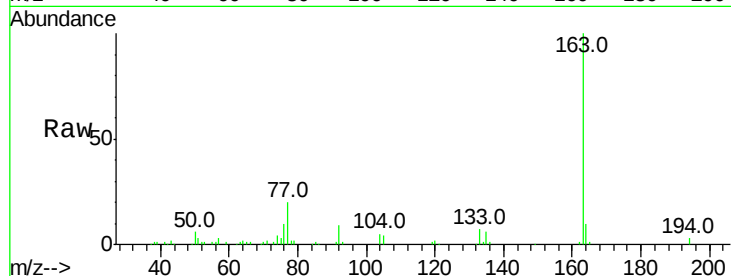




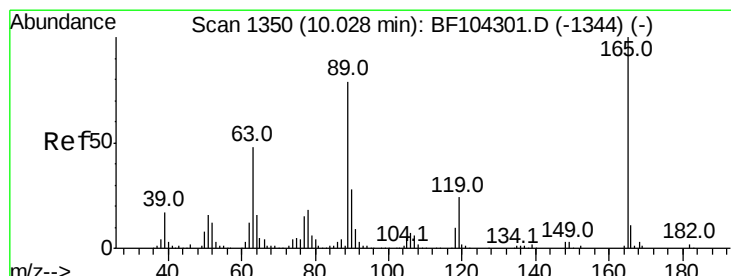
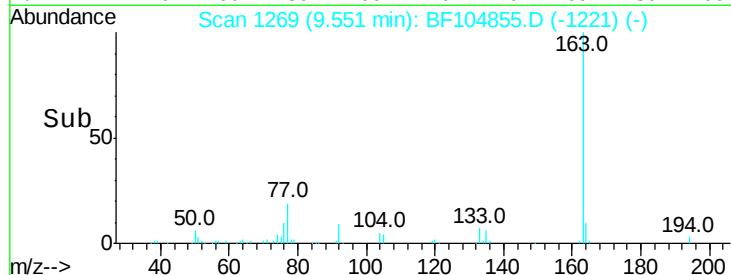
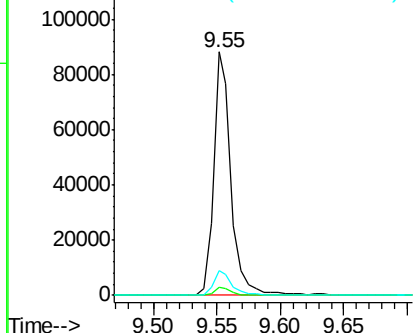
#49
 Dimethylphthalate
 Concen: 6.770 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: BF104855.D
 Acq: 26 Apr 2018 23:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:163 Resp: 84620
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.7 4.1
 164 10.1 8.2 12.2

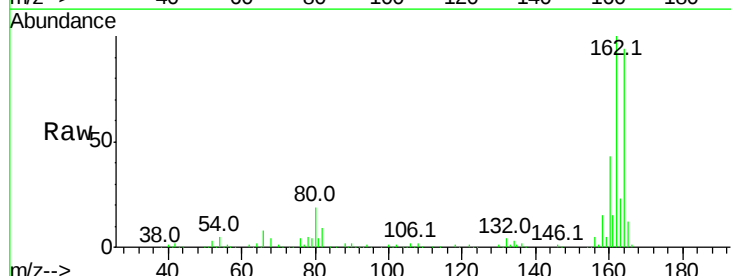


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

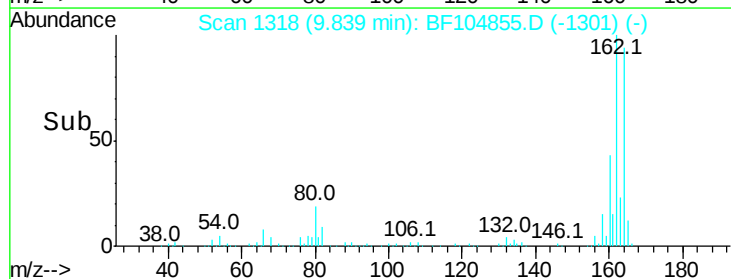
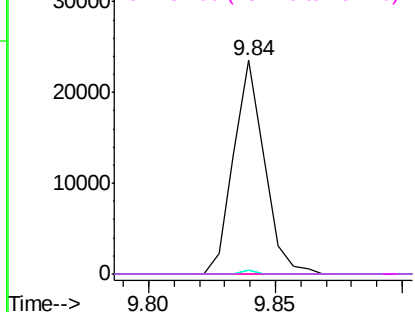


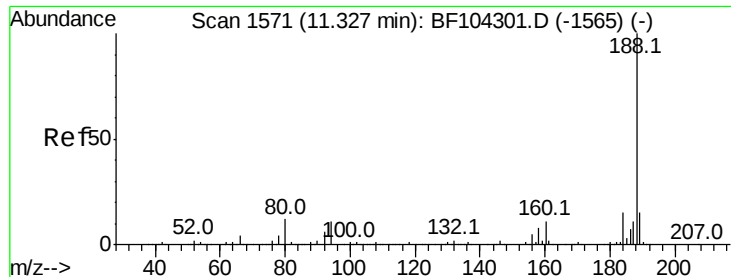
#56
 2,4-Dinitrotoluene
 Concen: 6.533 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104855.D
 Acq: 26 Apr 2018 23:21

Tgt Ion:165 Resp: 19818
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.4 54.6#
 89 1.6 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

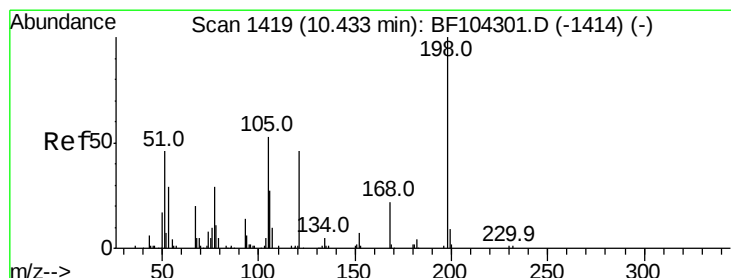
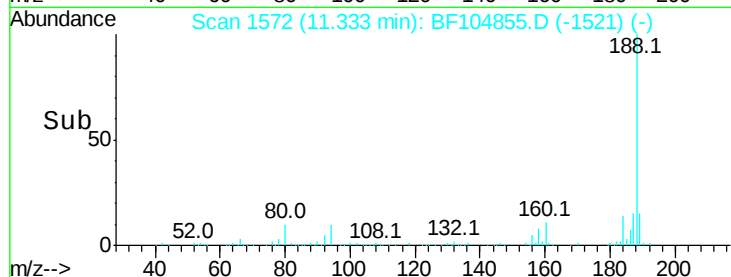
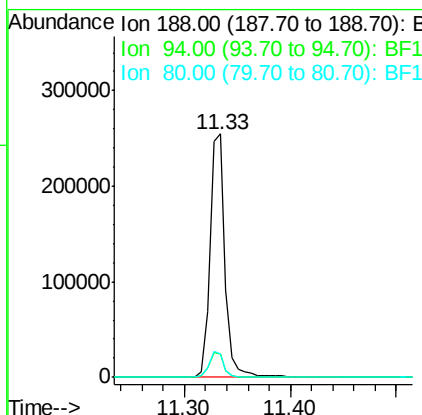
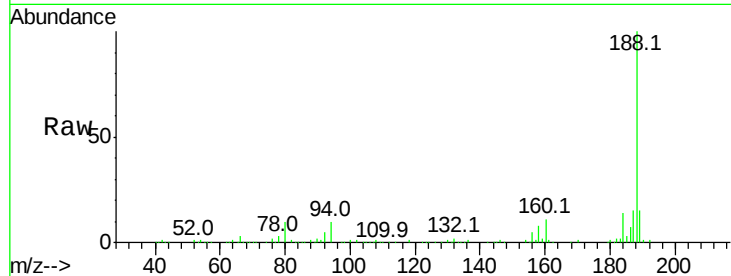




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104855.D
 Acq: 26 Apr 2018 23:21

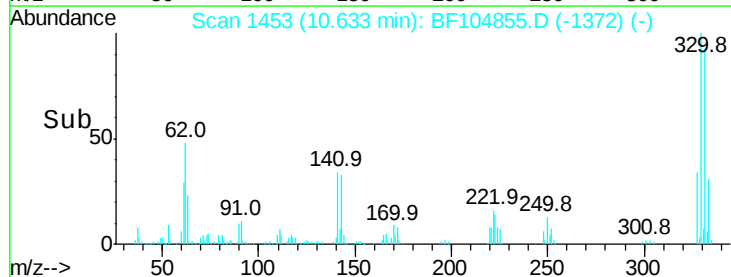
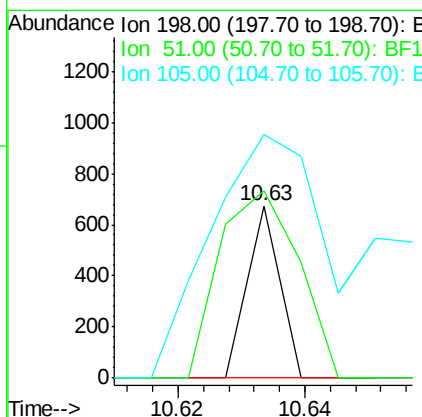
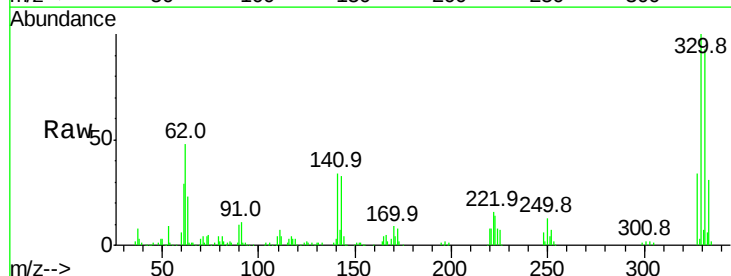
Instrument :
 BNA_F
 ClientSampleId :

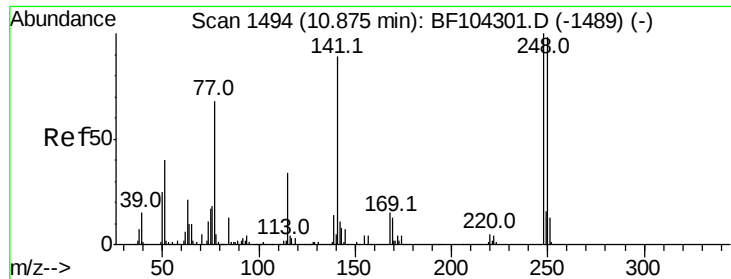
Tot Ion:188 Resp: 253019
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.5 12.7
 80 9.8 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.511 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104855.D
 Acq: 26 Apr 2018 23:21

Tgt Ion:198 Resp: 238
 Ion Ratio Lower Upper
 198 100
 51 108.6 37.7 77.7#
 105 141.6 36.3 76.3#

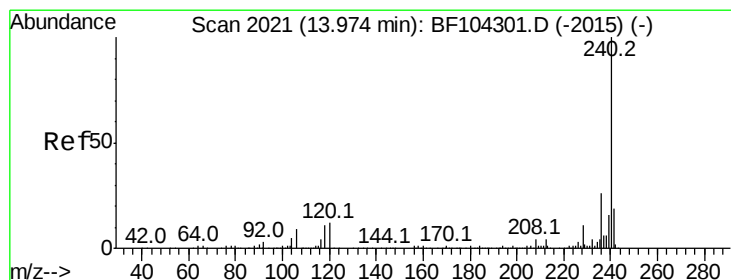
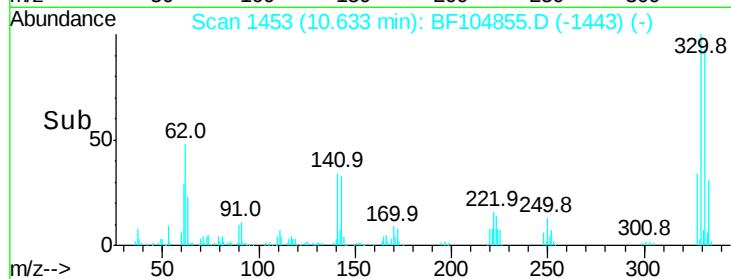
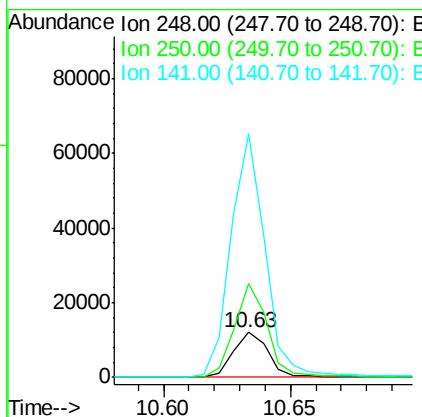
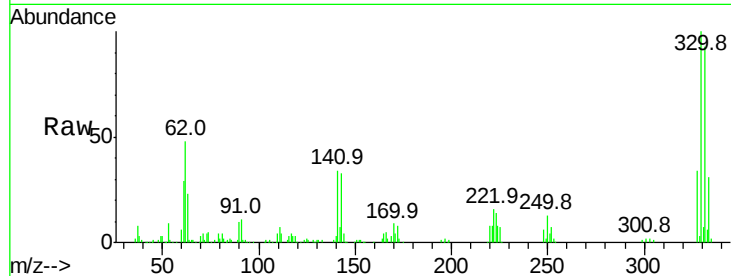




#66
 4-Bromophenyl-phenylether
 Concen: 4.237 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104855.D
 Acq: 26 Apr 2018 23:21

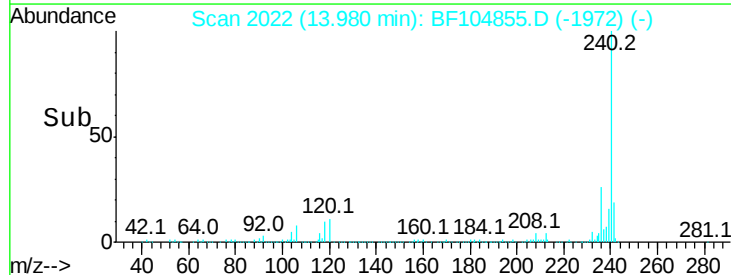
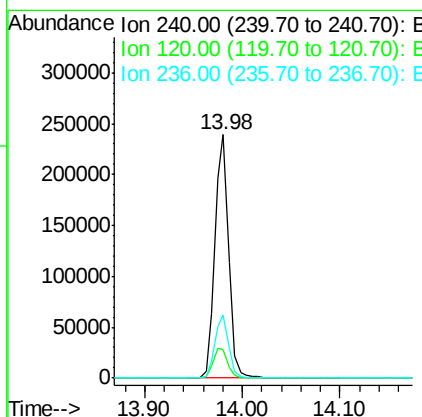
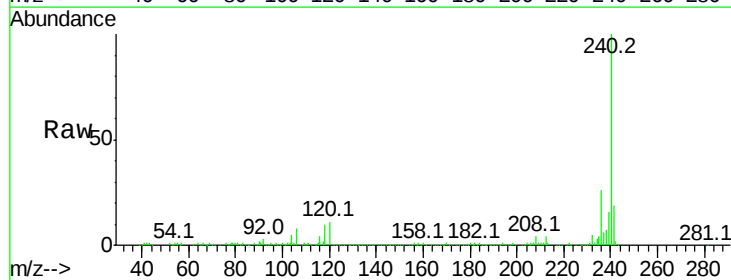
Instrument :
 BNA_F
 ClientSampled :

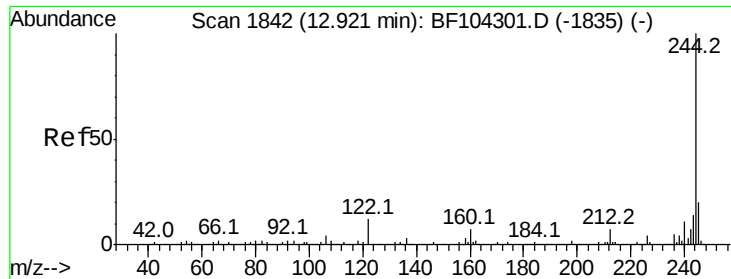
Tot Ion:248 Resp: 11403
 Ion Ratio Lower Upper
 248 100
 250 208.5 76.9 115.3#
 141 539.2 74.4 111.6#



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF104855.D
 Acq: 26 Apr 2018 23:21

Tgt Ion:240 Resp: 233076
 Ion Ratio Lower Upper
 240 100
 120 11.5 9.5 14.3
 236 26.0 20.7 31.1

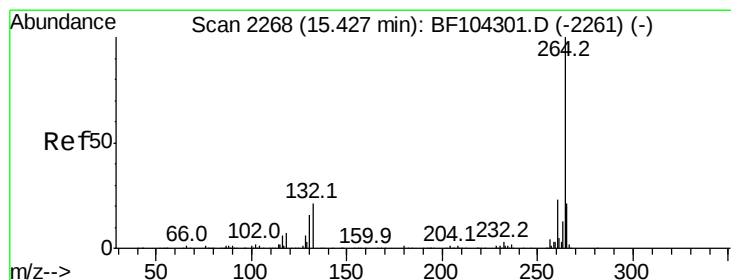
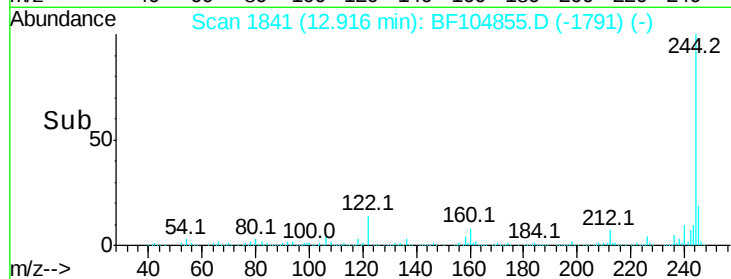
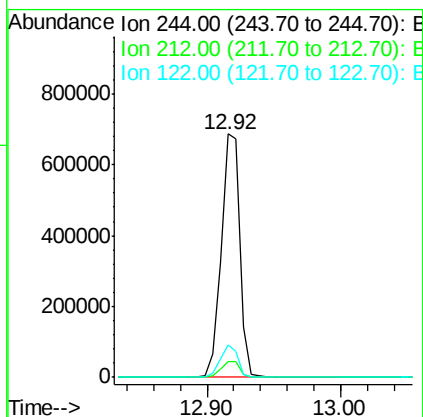
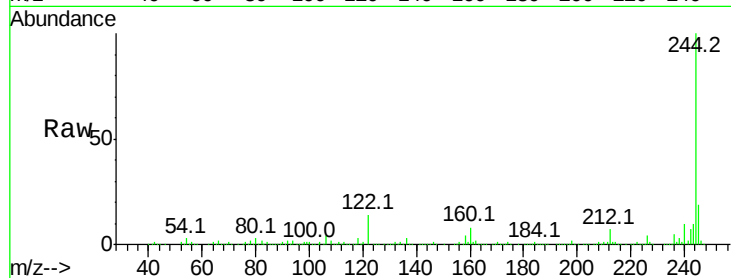




#78
 Terphenyl-d14
 Concen: 66.349 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104855.D
 Acq: 26 Apr 2018 23:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 678317
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 13.5 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF104855.D
 Acq: 26 Apr 2018 23:21

Tgt Ion:264 Resp: 159146
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 20.3 17.5 26.3

