

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104543.D
 Acq On : 16 Apr 2018 20:01
 Operator : JU/SJ
 Sample : J2369-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-1-4

Quant Time: Apr 17 00:56:16 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	170017	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	698189	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	310292	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	540956	20.00	ng	0.00
75) Chrysene-d12	13.99	240	336807	20.00	ng	0.00
86) Perylene-d12	15.45	264	334336	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	862446	77.56	ng	0.00
7) Phenol-d6	6.45	99	1163986	85.20	ng	0.00
23) Nitrobenzene-d5	7.37	82	730649	68.33	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	285560	88.72	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1187587	60.46	ng	0.00
78) Terphenyl-d14	12.93	244	1044893	70.73	ng	0.00

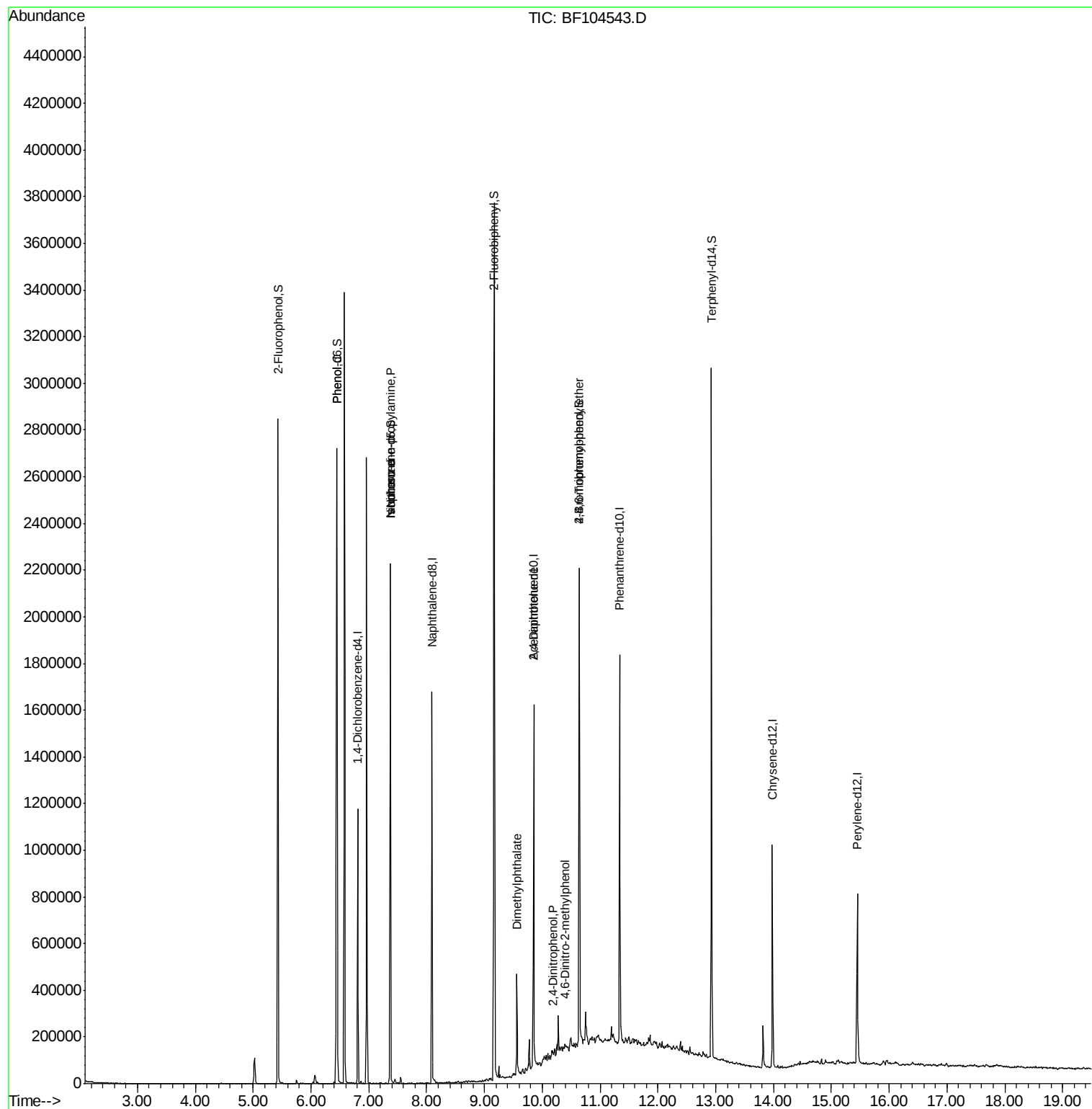
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	2196	Below Cal		# 1
10) Phenol	6.46	94	58079	4.007	ng	98
19) n-Nitroso-di-n-propylamine	7.37	70	95481	10.695	ng	# 74
25) Isophorone	7.37	82	725966	32.108	ng	# 64
49) Dimethylphthalate	9.56	163	172695	7.058	ng	100
53) 2,4-Dinitrophenol	10.18	184	361	5.417	ng	# 1
56) 2,4-Dinitrotoluene	9.85	165	41098	6.920	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.39	198	254	7.429	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	17241	2.996	ng	# 1
76) Benzidine	12.93	184	14206	Below Cal		99

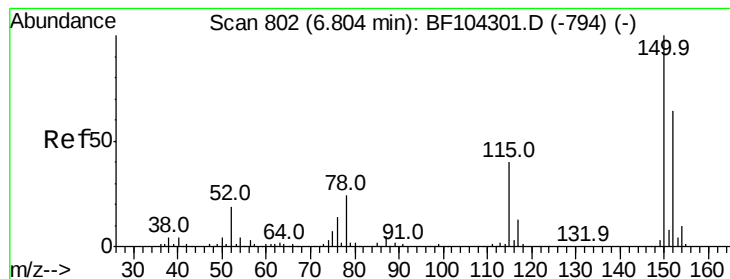
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF104543.D

Acq: 16 Apr 2018 20:01

Instrument :

BNA_F

ClientSampleId :

RO-1-4

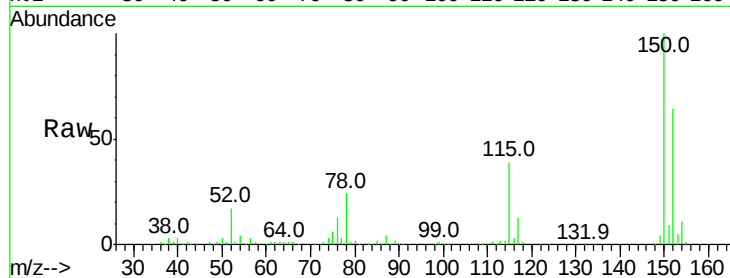
Tot Ion:152 Resp: 170017

Ion Ratio Lower Upper

152 100

150 157.0 124.6 186.8

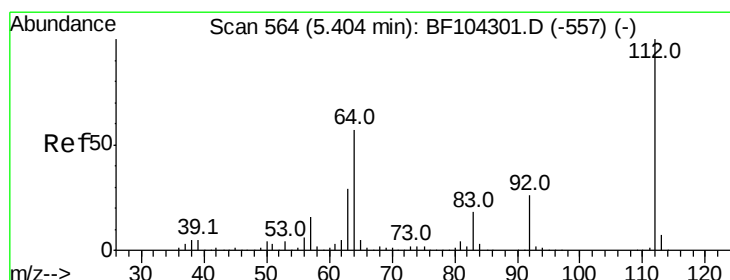
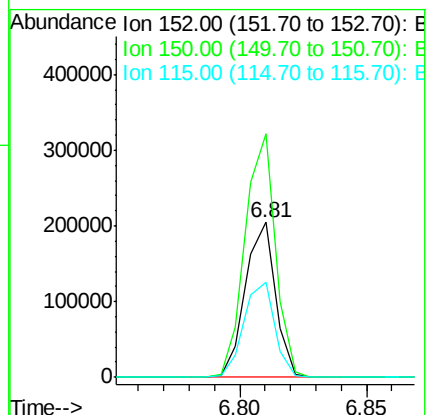
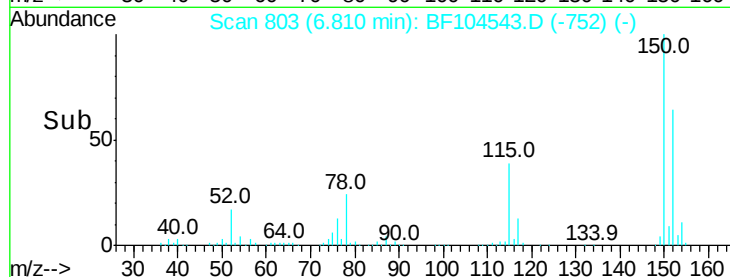
115 61.5 50.1 75.1



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: 77.564 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF104543.D

Acq: 16 Apr 2018 20:01

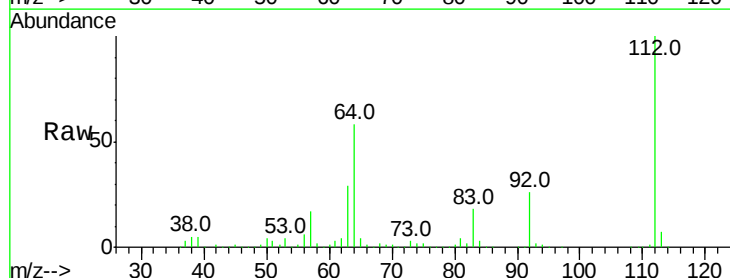
Tgt Ion:112 Resp: 862446

Ion Ratio Lower Upper

112 100

64 57.6 47.9 71.9

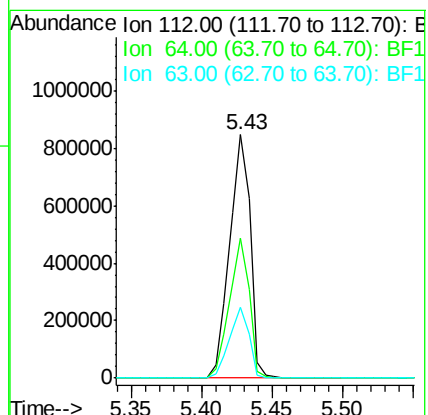
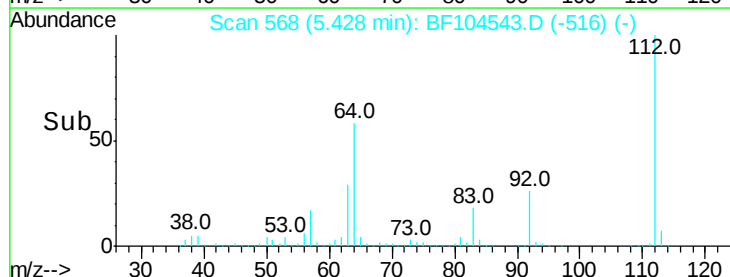
63 29.0 23.7 35.5



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: 85.200 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF104543.D

Acq: 16 Apr 2018 20:01

Instrument :

BNA_F

ClientSampleId :

RO-1-4

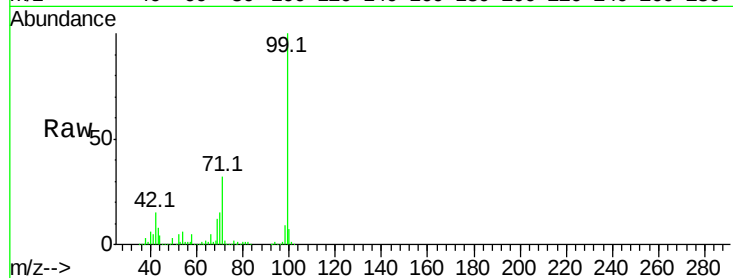
Tot Ion: 99 Resp: 1163986

Ion Ratio Lower Upper

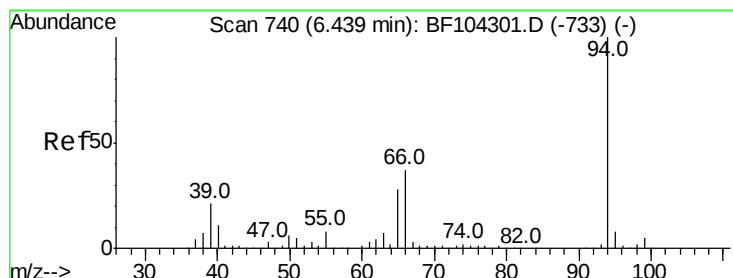
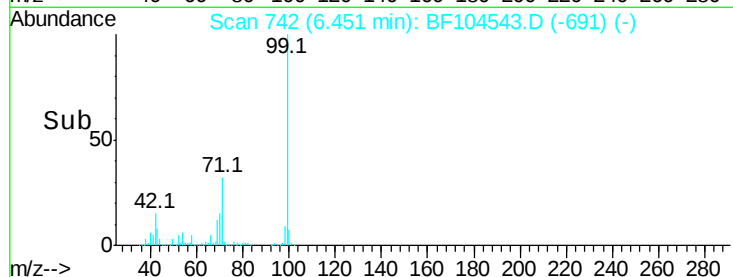
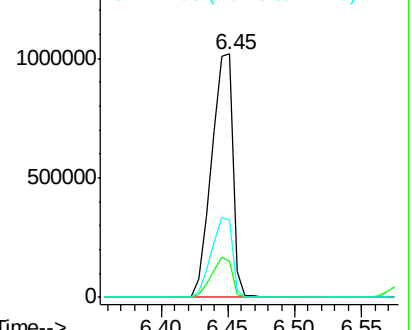
99 100

42 15.0 14.5 21.7

71 31.6 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



#10

Phenol

Concen: 4.007 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF104543.D

Acq: 16 Apr 2018 20:01

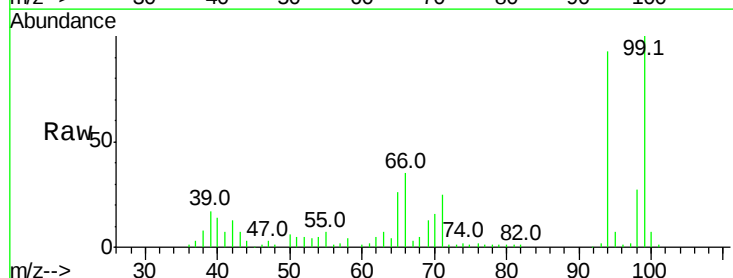
Tgt Ion: 94 Resp: 58079

Ion Ratio Lower Upper

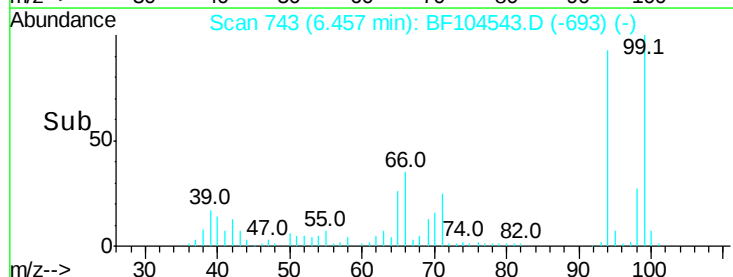
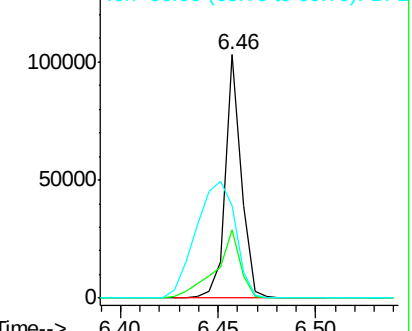
94 100

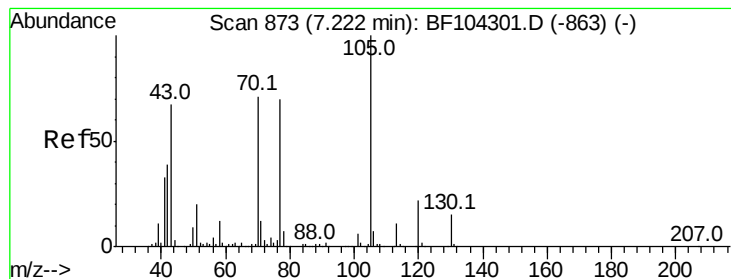
65 28.1 7.9 47.9

66 38.1 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: 10.695 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104543.D

Acq: 16 Apr 2018 20:01

Instrument :

BNA_F

ClientSampleId :

RO-1-4

Tot Ion: 70 Resp: 95481

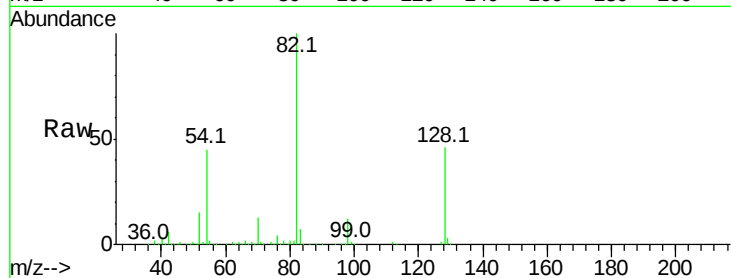
Ion Ratio Lower Upper

70 100

42 43.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

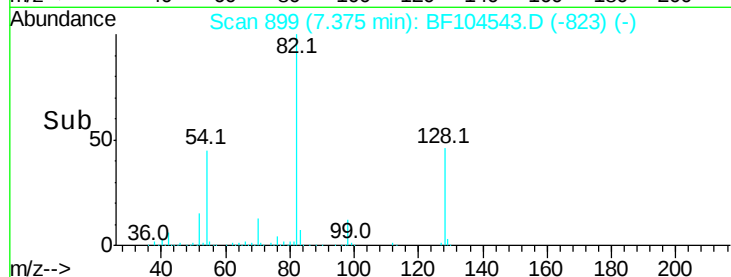


Abundance Ion 70.00 (69.70 to 70.70): BF1

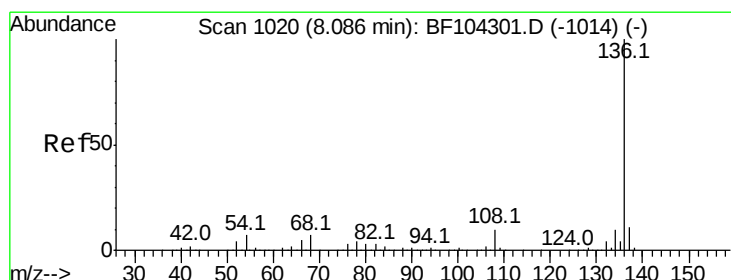
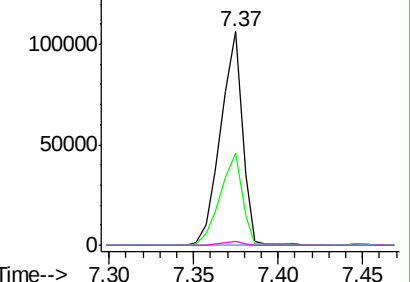
Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



Time--> 7.30 7.35 7.40 7.45



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104543.D

Acq: 16 Apr 2018 20:01

Tgt Ion: 136 Resp: 698189

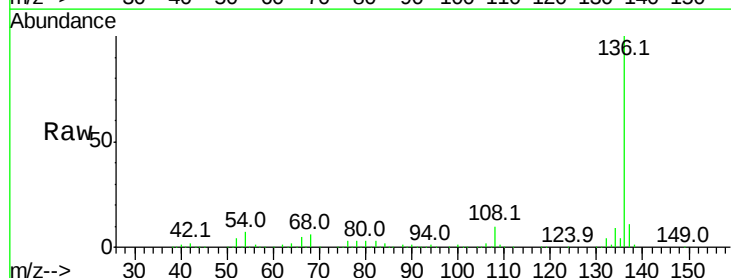
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.0 6.6 9.8

68 6.3 5.0 7.4

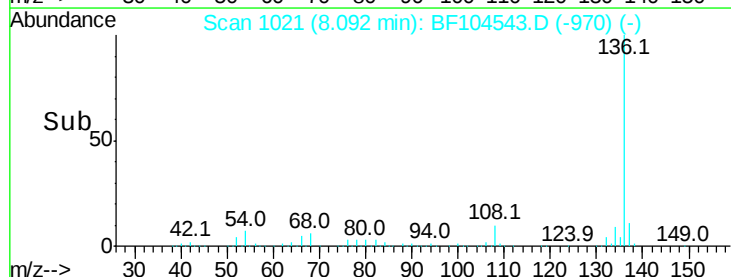


Abundance Ion 136.00 (135.70 to 136.70): BF1

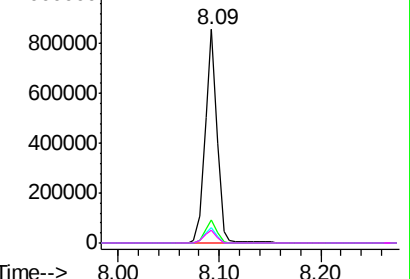
Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time--> 8.00 8.10 8.20

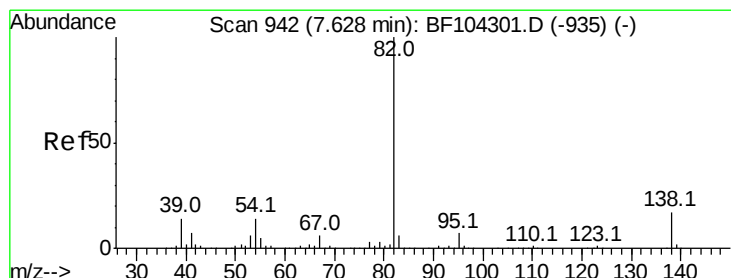
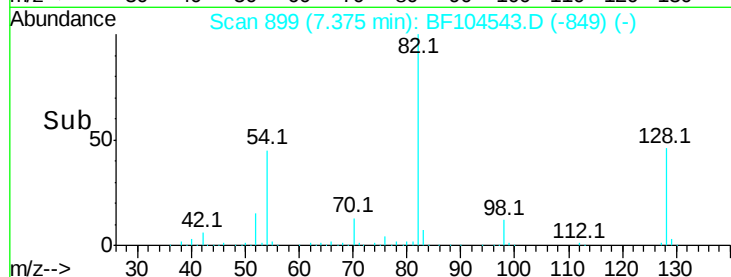
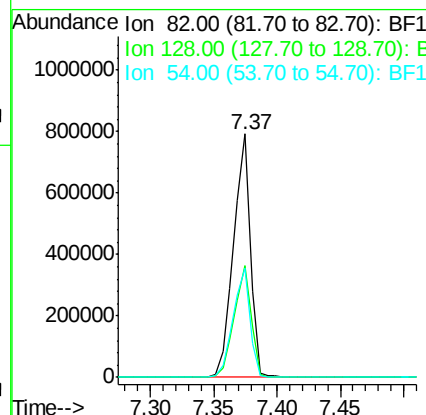
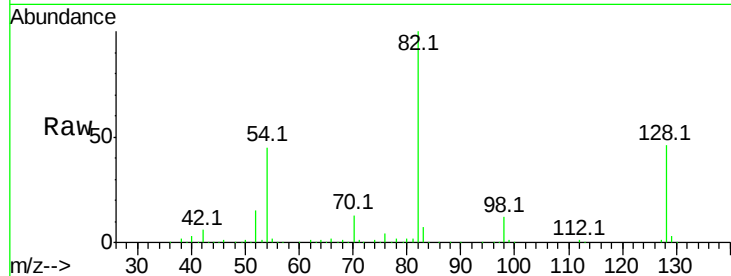




#23
Nitrobenzene-d5
Concen: 68.334 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104543.D
Acq: 16 Apr 2018 20:01

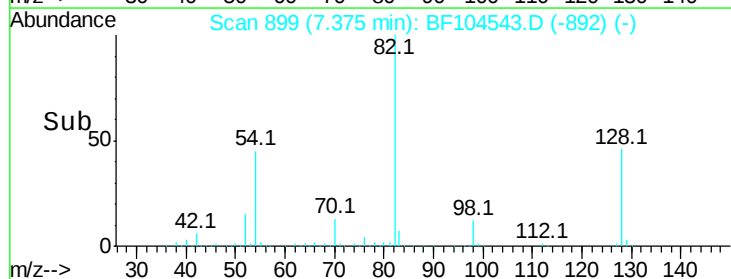
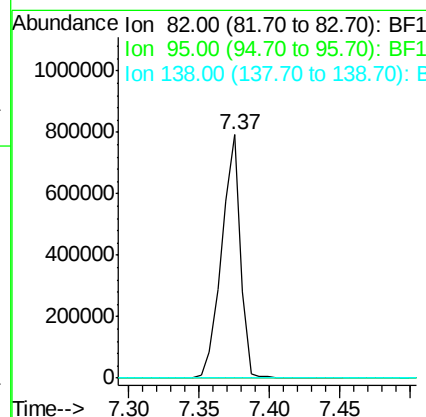
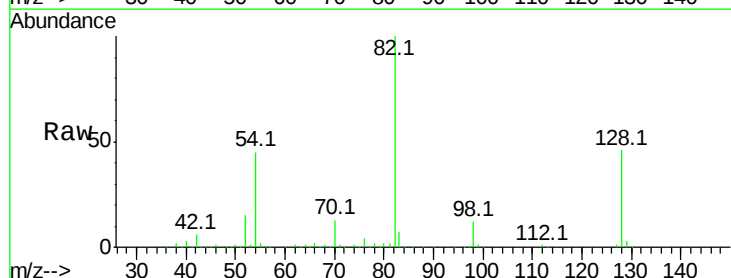
Instrument :
BNA_F
ClientSampled :
RO-1-4

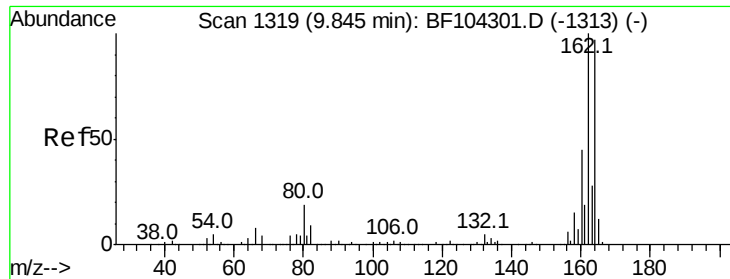
Tot Ion	82	Resp	730649
Ion Ratio	100	Lower	Upper
128	46.1	36.1	54.1
54	45.1	41.4	62.2



#25
Isophorone
Concen: 32.108 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF104543.D
Acq: 16 Apr 2018 20:01

Tgt Ion	82	Resp	725966
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

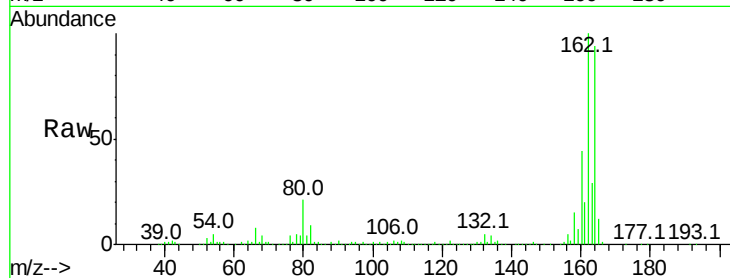




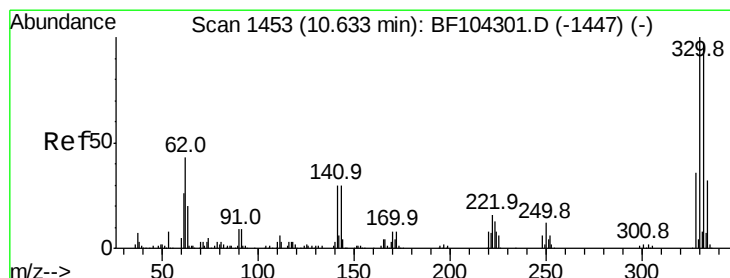
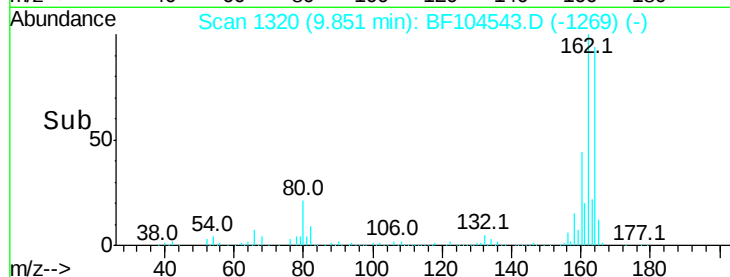
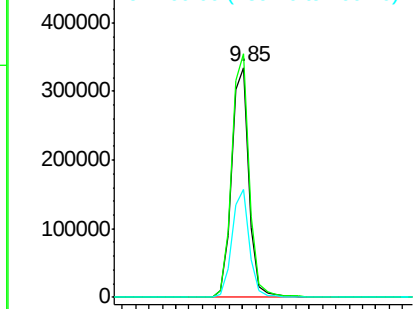
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: BF104543.D
 Acq: 16 Apr 2018 20:01

Instrument :
 BNA_F
 ClientSampleId :
 RO-1-4

Tot Ion:164 Resp: 310292
 Ion Ratio Lower Upper
 164 100
 162 105.8 86.1 129.1
 160 46.9 38.3 57.5

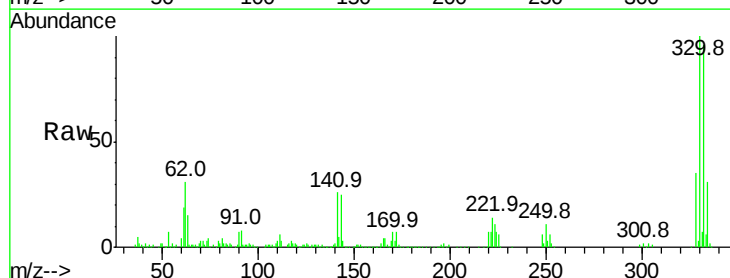


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

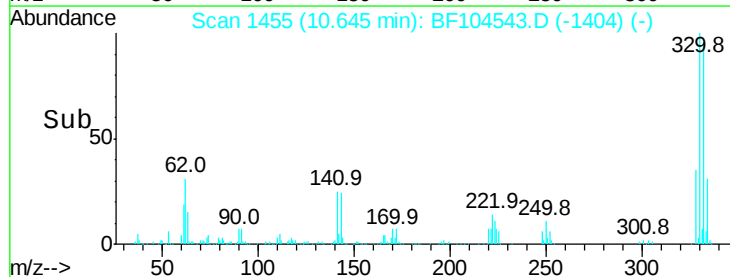
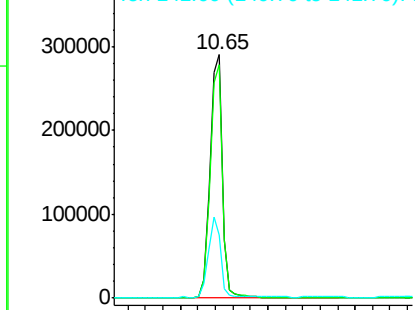


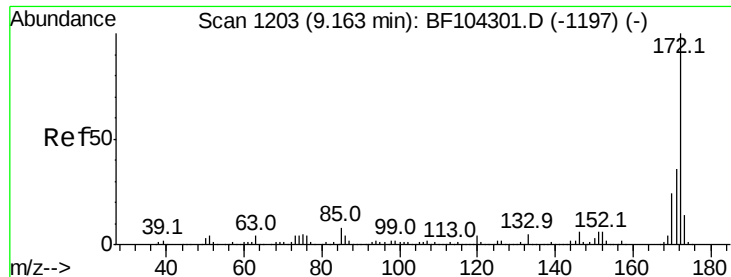
#41
 2,4,6-Tribromophenol
 Concen: 88.718 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF104543.D
 Acq: 16 Apr 2018 20:01

Tgt Ion:330 Resp: 285560
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 32.9 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

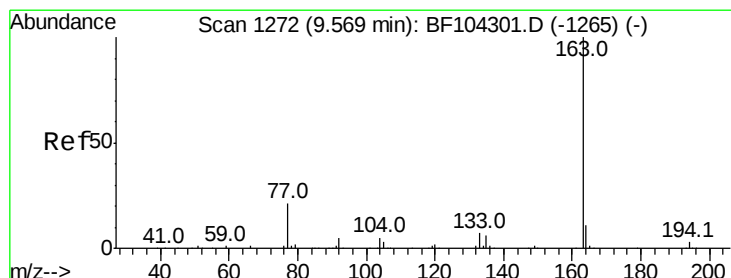
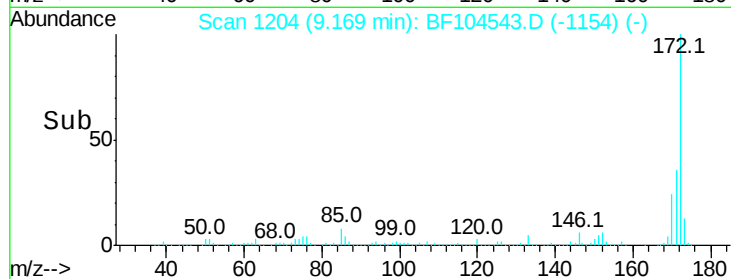
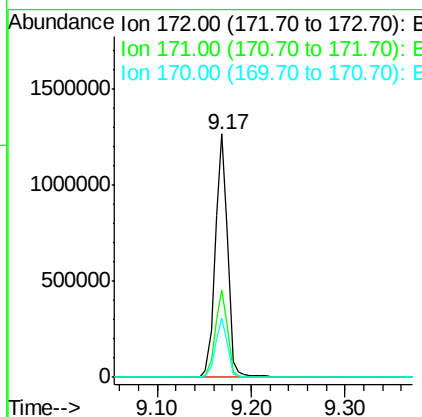
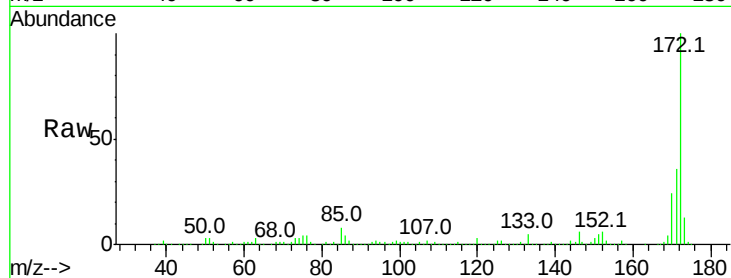




#44
2-Fluorobiphenyl
Concen: 60.462 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF104543.D
Acq: 16 Apr 2018 20:01

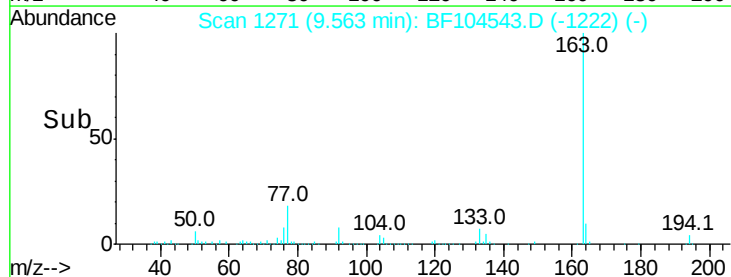
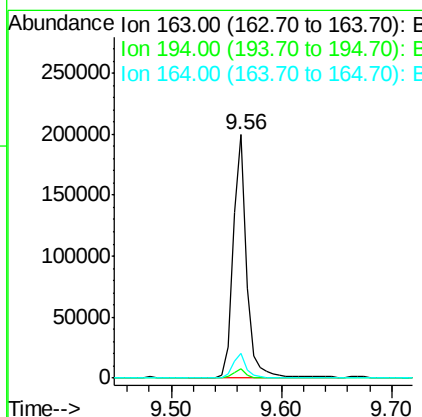
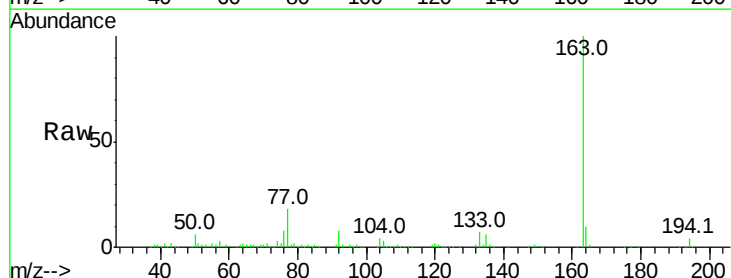
Instrument :
BNA_F
ClientSampleId :
RO-1-4

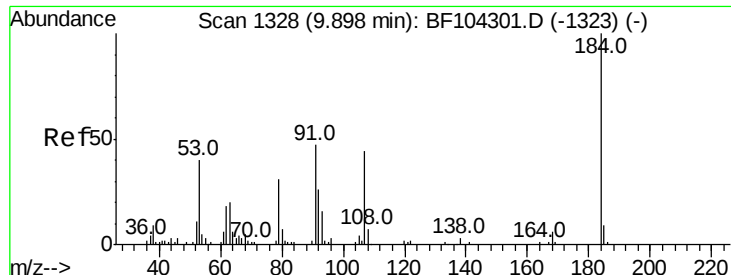
Tot Ion:172 Resp: 1187587
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 24.3 19.6 29.4



#49
Dimethylphthalate
Concen: 7.058 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104543.D
Acq: 16 Apr 2018 20:01

Tgt Ion:163 Resp: 172695
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.2 8.2 12.2

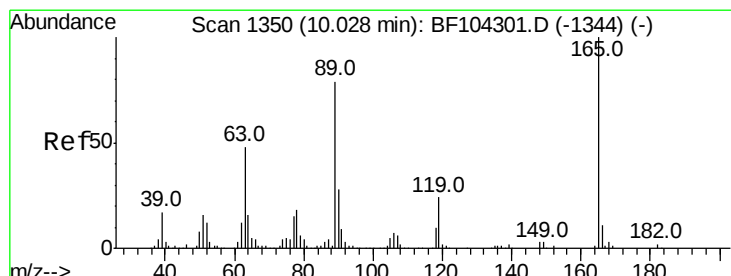
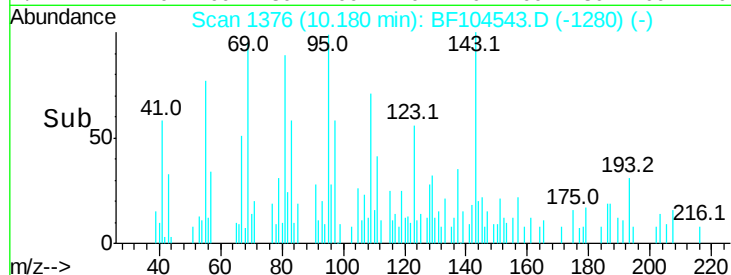
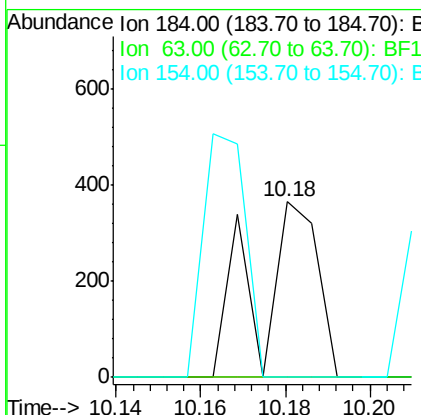
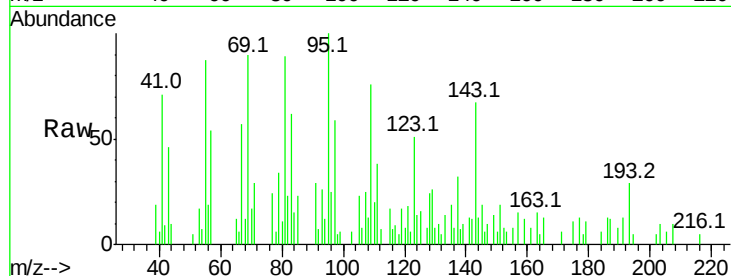




#53
 2,4-Dinitrophenol
 Concen: 5.417 ng
 RT: 10.18 min Scan# 1376
 Delta R.T. 0.26 min
 Lab File: BF104543.D
 Acq: 16 Apr 2018 20:01

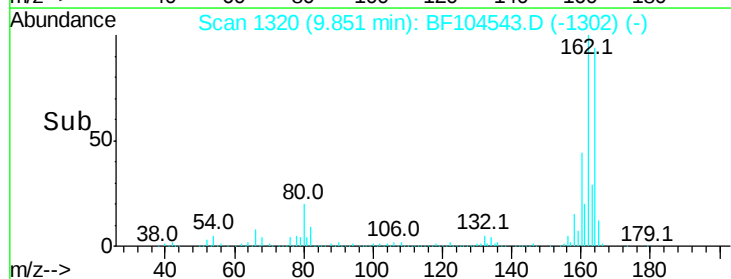
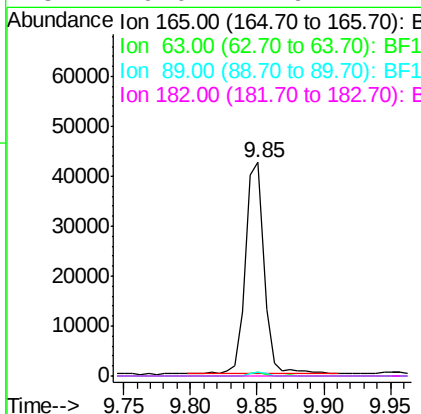
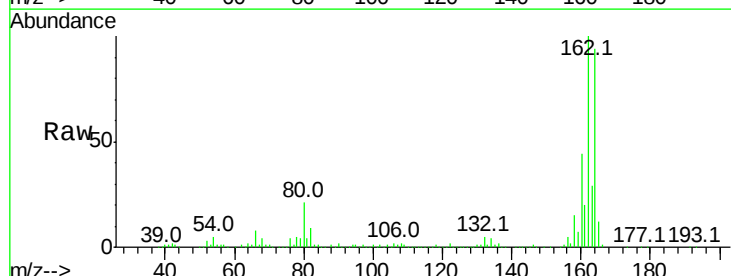
Instrument :
 BNA_F
 ClientSampleId :
 RO-1-4

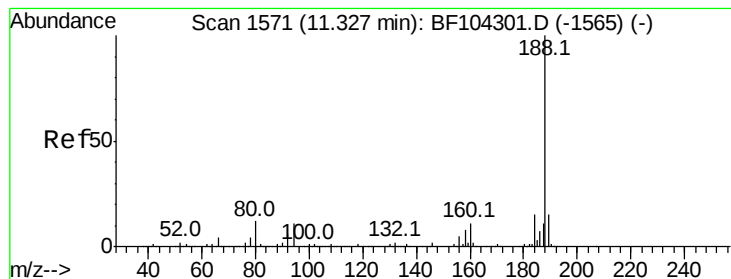
Tot Ion:184 Resp: 361
 Ion Ratio Lower Upper
 184 100
 63 0.0 54.2 81.2#
 154 0.0 184.0 276.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.920 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF104543.D
 Acq: 16 Apr 2018 20:01

Tgt Ion:165 Resp: 41098
 Ion Ratio Lower Upper
 165 100
 63 1.8 36.4 54.6#
 89 1.7 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: BF104543.D

Acq: 16 Apr 2018 20:01

Instrument :

BNA_F

ClientSampleId :

RO-1-4

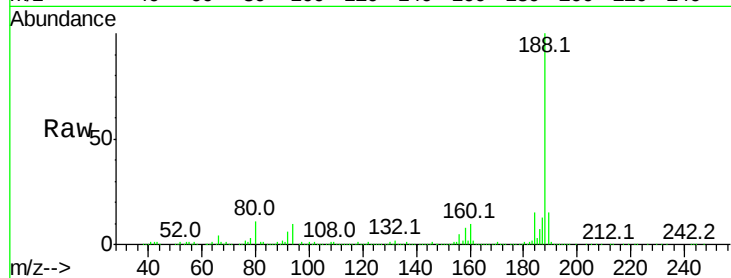
Tot Ion:188 Resp: 540956

Ion Ratio Lower Upper

188 100

94 10.4 8.5 12.7

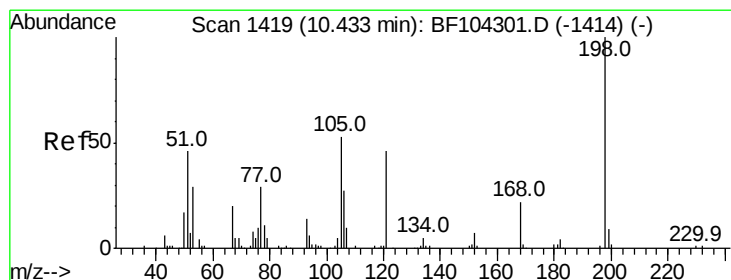
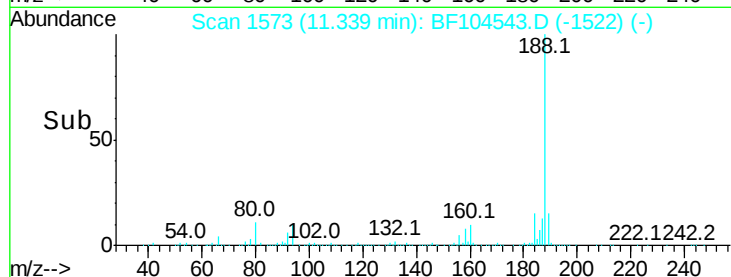
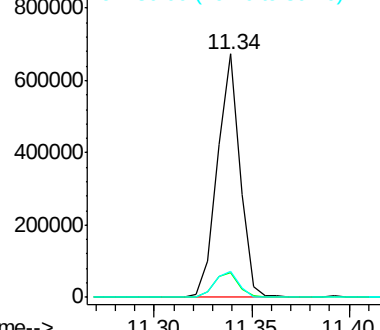
80 10.9 9.2 13.8



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: 7.429 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.06 min

Lab File: BF104543.D

Acq: 16 Apr 2018 20:01

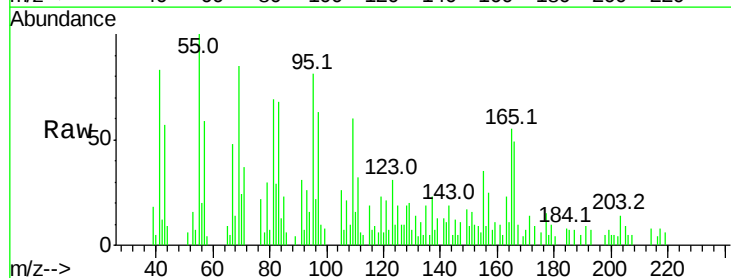
Tgt Ion:198 Resp: 254

Ion Ratio Lower Upper

198 100

51 107.1 37.7 77.7#

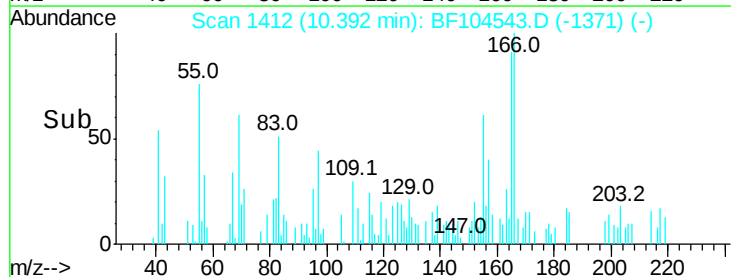
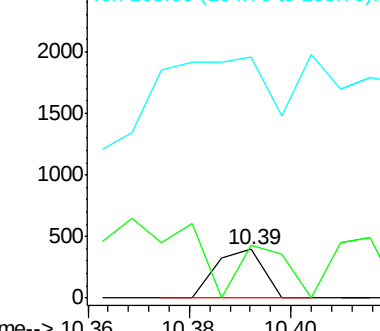
105 493.2 36.3 76.3#

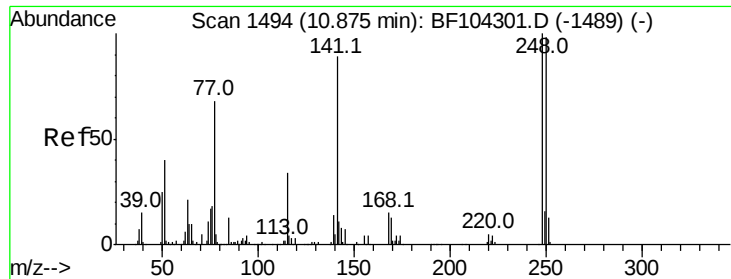


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

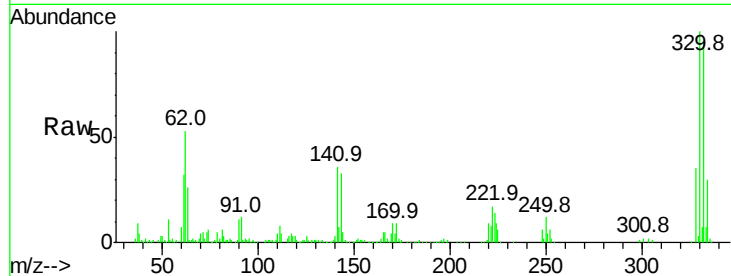




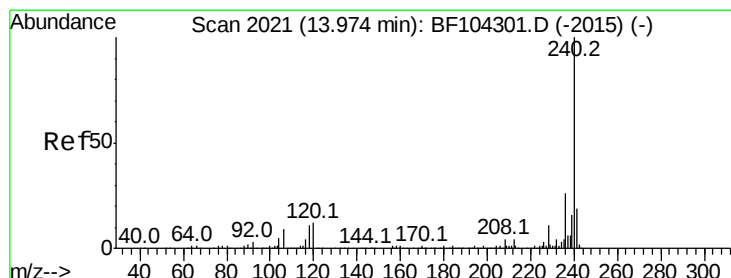
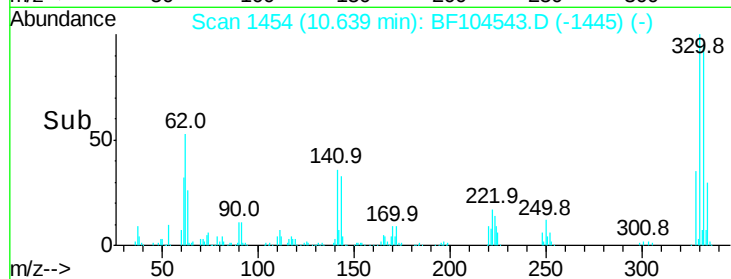
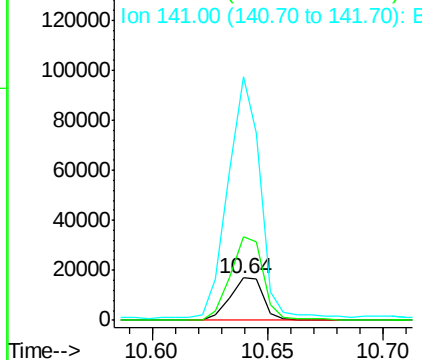
#66
 4-Bromophenyl-phenylether
 Concen: 2.996 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.25 min
 Lab File: BF104543.D
 Acq: 16 Apr 2018 20:01

Instrument :
 BNA_F
 ClientSampleId :
 RO-1-4

Tot Ion:248 Resp: 17241
 Ion Ratio Lower Upper
 248 100
 250 196.4 76.9 115.3#
 141 576.1 74.4 111.6#

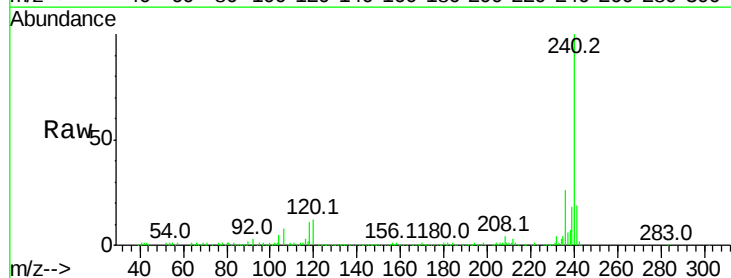


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

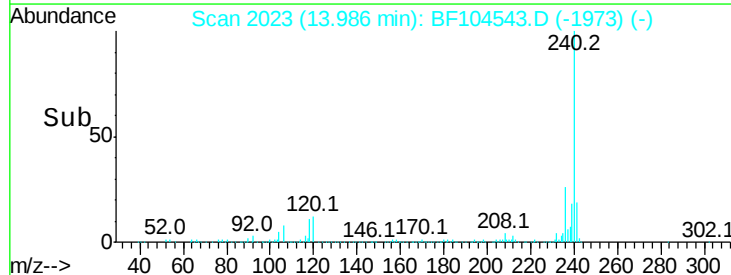
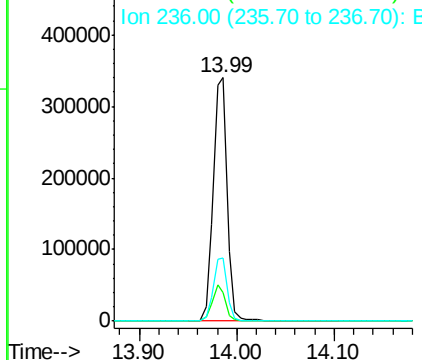


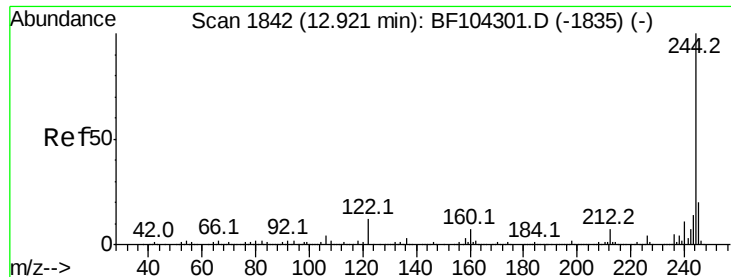
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF104543.D
 Acq: 16 Apr 2018 20:01

Tgt Ion:240 Resp: 336807
 Ion Ratio Lower Upper
 240 100
 120 11.5 9.5 14.3
 236 26.1 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: 70.728 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.00 min

Lab File: BF104543.D

Acq: 16 Apr 2018 20:01

Instrument :

BNA_F

ClientSampleId :

RO-1-4

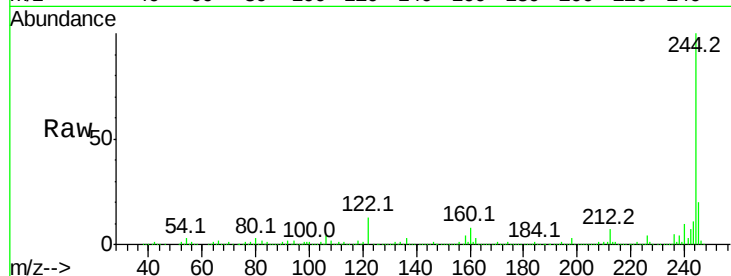
Tot Ion:244 Resp: 1044893

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

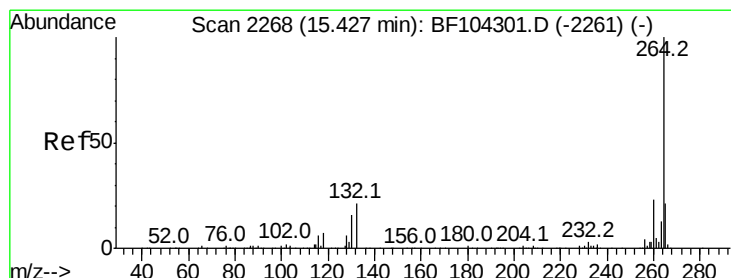
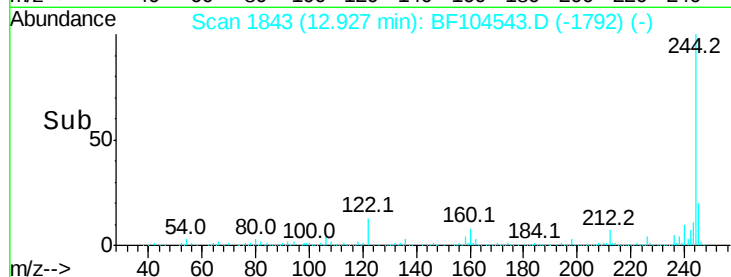
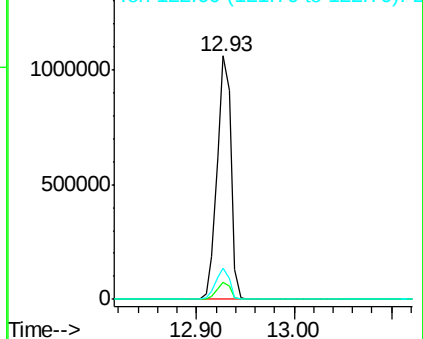
122 12.8 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF104543.D

Acq: 16 Apr 2018 20:01

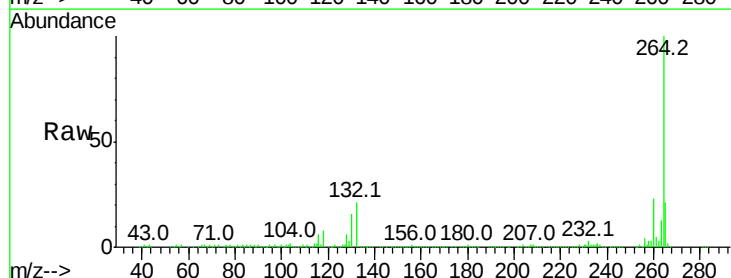
Tgt Ion:264 Resp: 334336

Ion Ratio Lower Upper

264 100

260 23.4 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

