

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104846.D
 Acq On : 26 Apr 2018 19:20
 Operator : JU/SJ
 Sample : J2156-07 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 07:37:15 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	100538	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	356561	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	136097	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	234343	20.00	ng	0.00
75) Chrysene-d12	13.98	240	229495	20.00	ng	0.00
86) Perylene-d12	15.45	264	155914	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	296311	45.07	ng	0.00
7) Phenol-d6	6.44	99	352368	43.62	ng	0.00
23) Nitrobenzene-d5	7.36	82	207228	37.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	60512	42.86	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	288303	33.46	ng	0.00
78) Terphenyl-d14	12.92	244	276530	27.47	ng	0.00

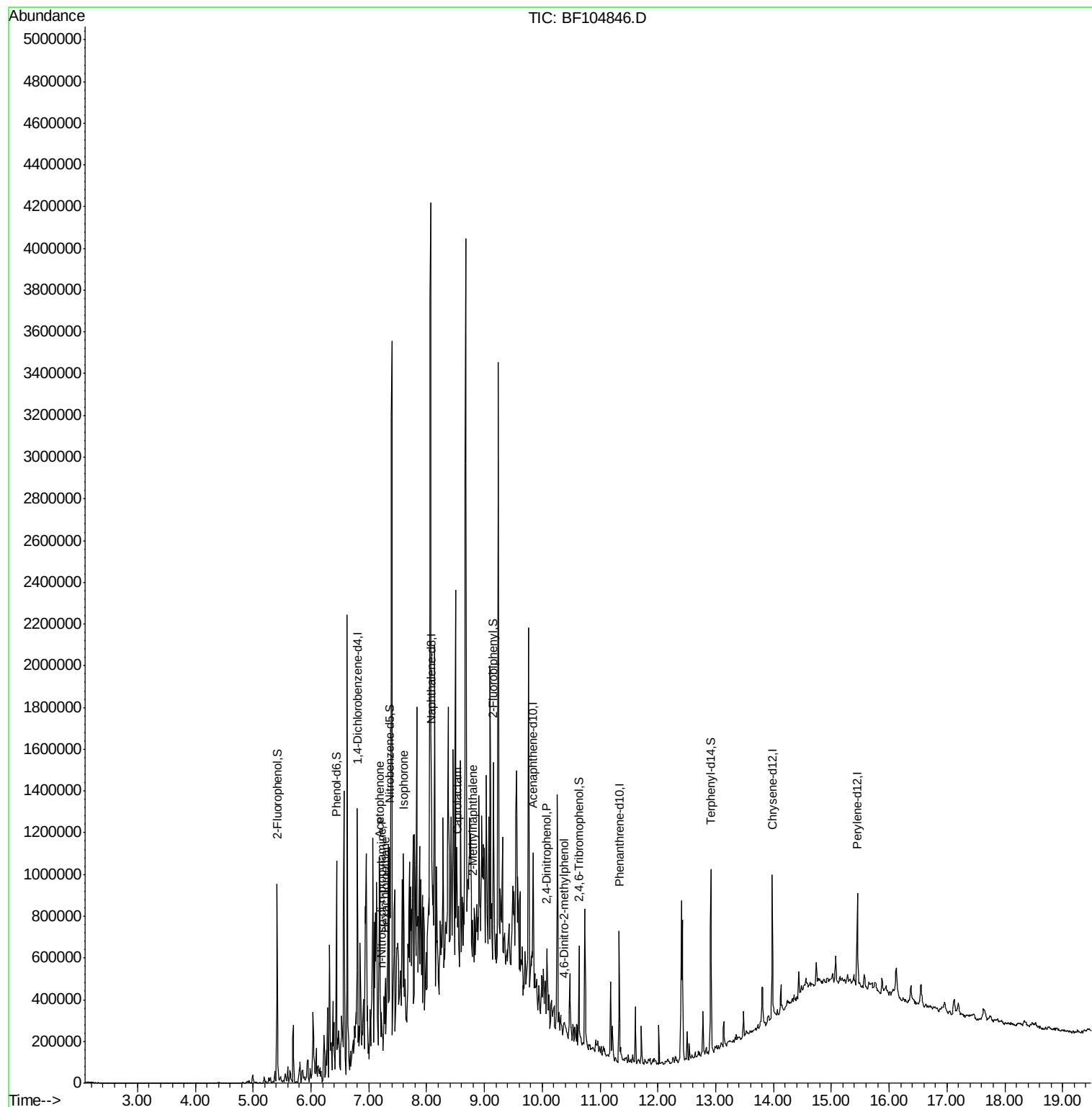
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.35	77	4102	Below Cal	#	1
18) Hexachloroethane	7.29	117	7073	2.531 ng	#	1
19) n-Nitroso-di-n-propylamine	7.22	70	11481	2.175 ng	#	62
22) Acetophenone	7.19	105	122430	13.947 ng	#	59
25) Isophorone	7.60	82	31697	2.745 ng	#	1
35) Caprolactam	8.53	113	4602	2.713 ng	#	1
37) 2-Methylnaphthalene	8.80	142	27863	2.426 ng	#	87
53) 2,4-Dinitrophenol	10.09	184	269	5.622 ng	#	1
64) 4,6-Dinitro-2-methylphenol	10.38	198	115	7.432 ng	#	1
76) Benzidine	12.70	184	625	Below Cal	#	1

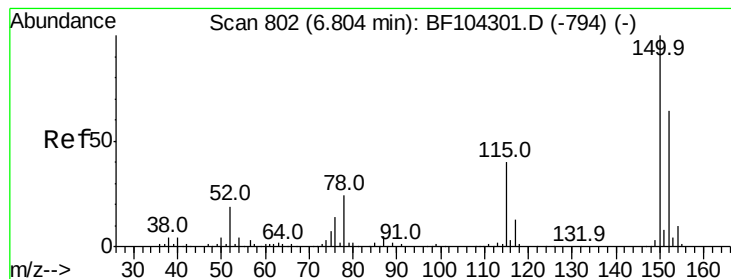
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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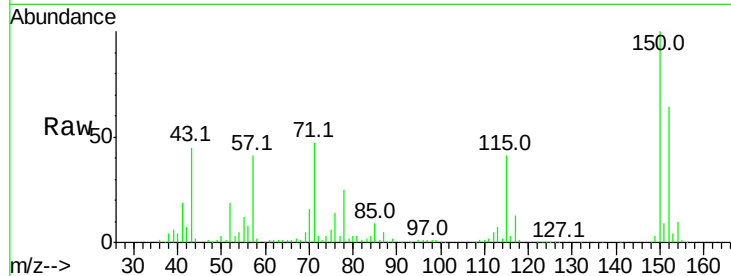


#1

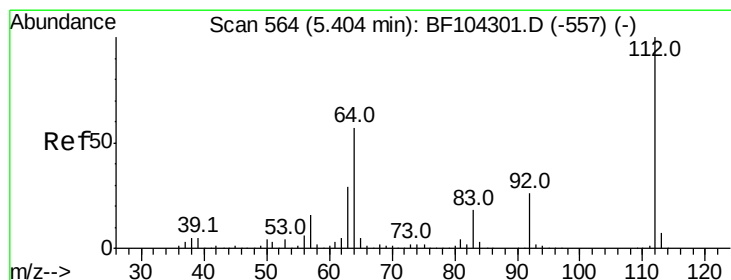
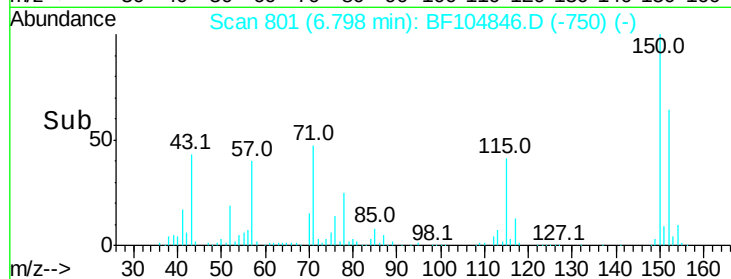
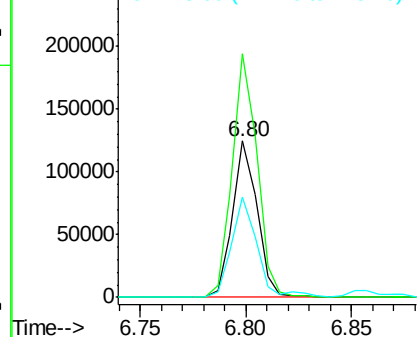
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104846.D
Acq: 26 Apr 2018 19:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 100538
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 63.9 50.1 75.1



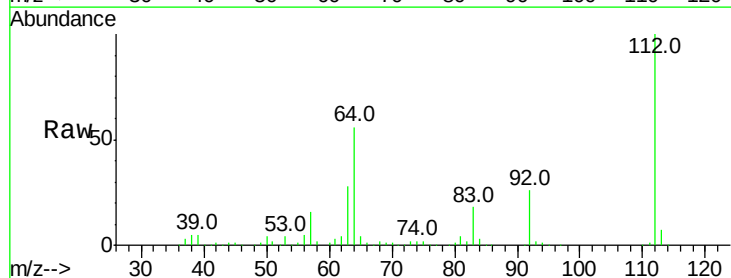
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



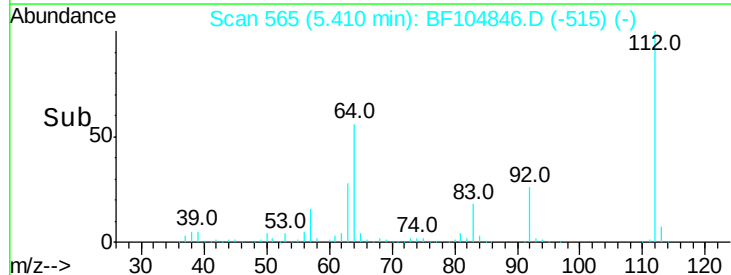
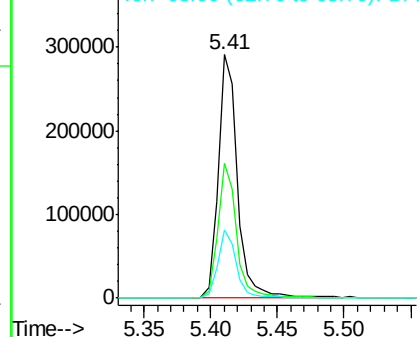
#5

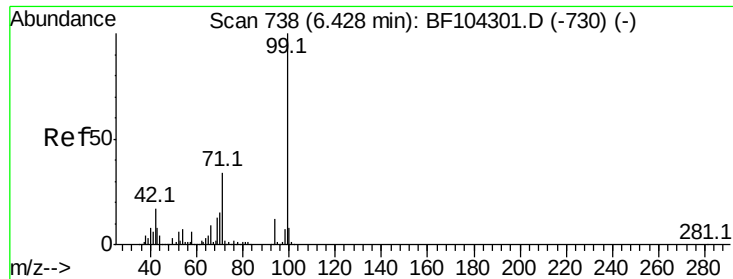
2-Fluorophenol
Concen: 45.065 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104846.D
Acq: 26 Apr 2018 19:20

Tgt Ion:112 Resp: 296311
Ion Ratio Lower Upper
112 100
64 55.5 47.9 71.9
63 28.0 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: 43.617 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104846.D

Acq: 26 Apr 2018 19:20

Instrument :

BNA_F

ClientSampleId :

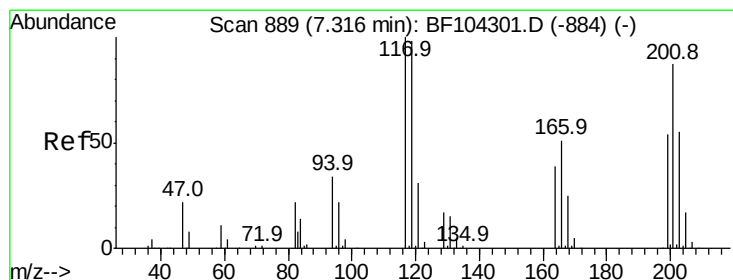
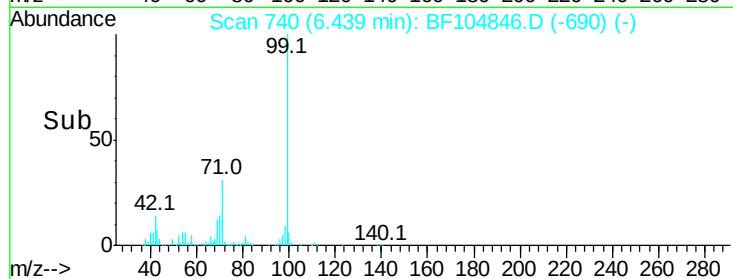
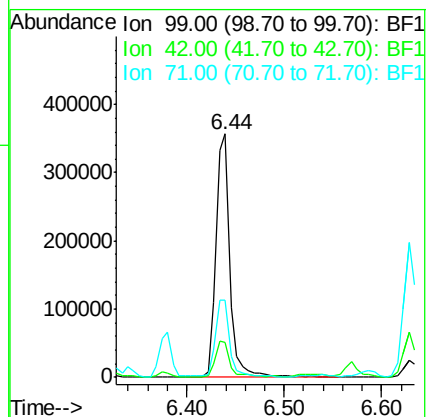
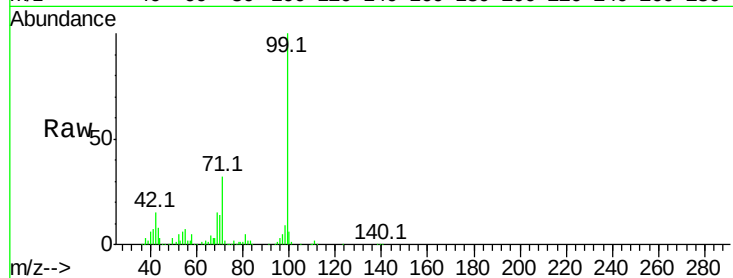
Tot Ion: 99 Resp: 352368

Ion Ratio Lower Upper

99 100

42 14.6 14.5 21.7

71 31.7 25.4 38.0



#18

Hexachloroethane

Concen: 2.531 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.02 min

Lab File: BF104846.D

Acq: 26 Apr 2018 19:20

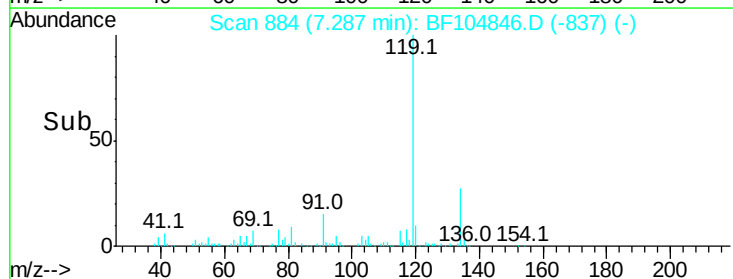
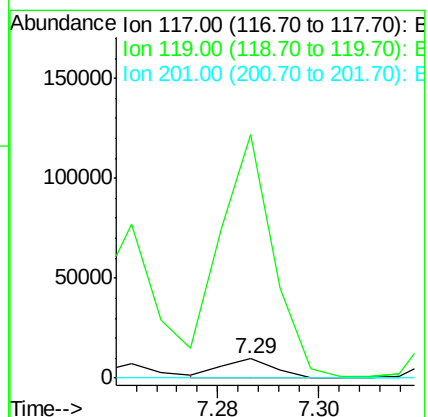
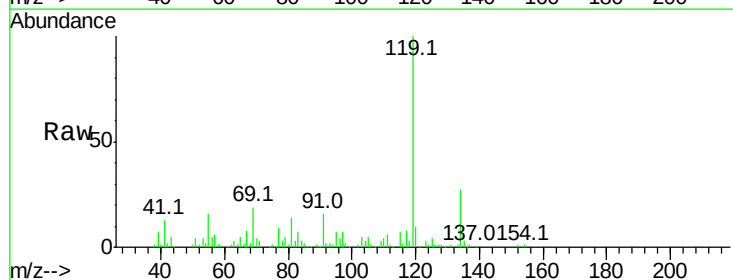
Tgt Ion: 117 Resp: 7073

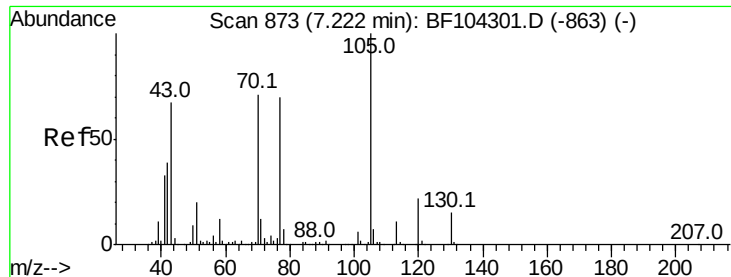
Ion Ratio Lower Upper

117 100

119 1254.3 75.8 113.8#

201 0.0 75.7 113.5#





#19

n-Nitroso-di-n-propylamine

Concen: 2.175 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.00 min

Lab File: BF104846.D

Acq: 26 Apr 2018 19:20

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 11481

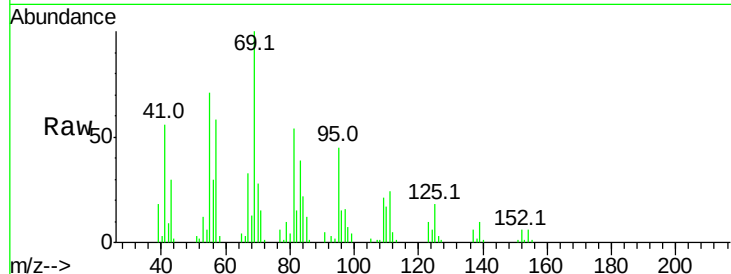
Ion Ratio Lower Upper

70 100

42 30.8 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

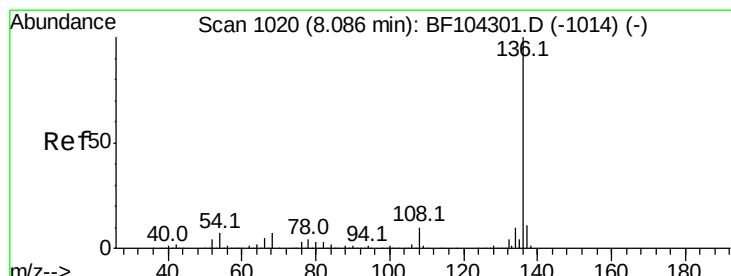
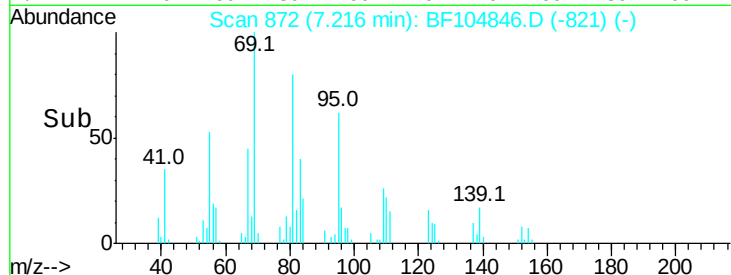
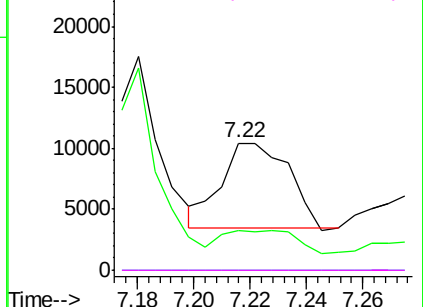


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF104846.D

Acq: 26 Apr 2018 19:20

Tgt Ion:136 Resp: 356561

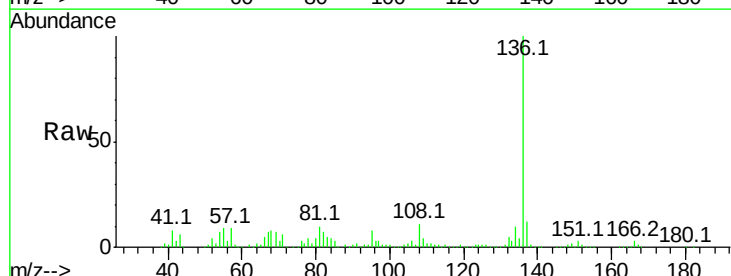
Ion Ratio Lower Upper

136 100

137 11.7 8.9 13.3

54 7.3 6.6 9.8

68 7.6 5.0 7.4#

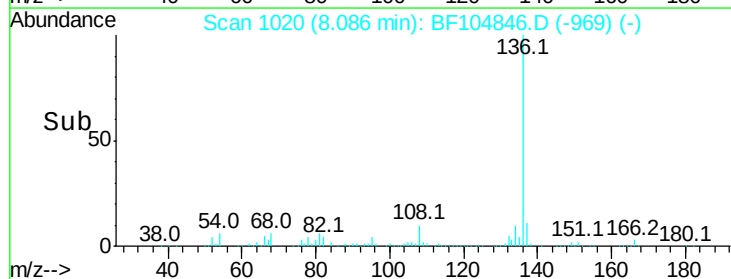
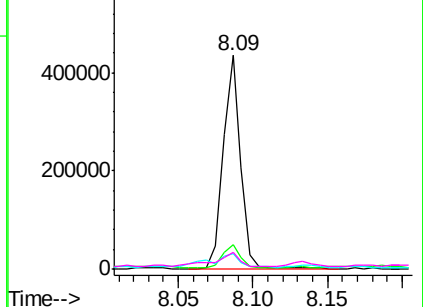


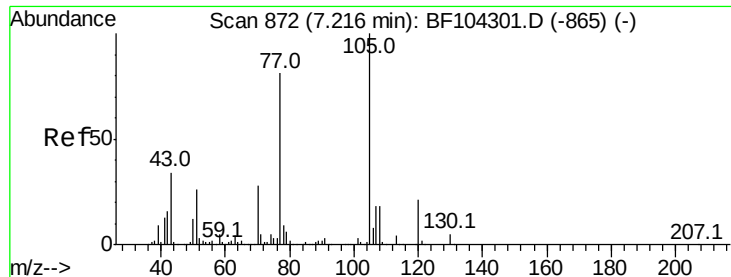
Abundance Ion 136.00 (135.70 to 136.70): BF1

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





#22

Acetophenone

Concen: 13.947 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.02 min

Lab File: BF104846.D

Acq: 26 Apr 2018 19:20

Instrument :

BNA_F

ClientSampled :

Tot Ion:105 Resp: 122430

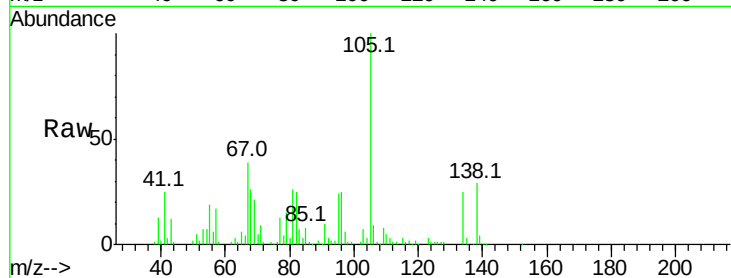
Ion Ratio Lower Upper

105 100

71 9.0 4.4 6.6#

51 4.6 22.3 33.5#

120 0.3 16.9 25.3#

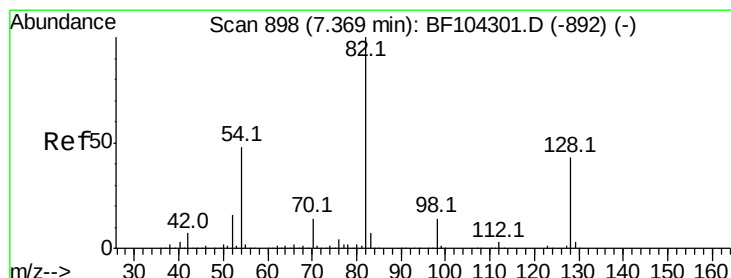
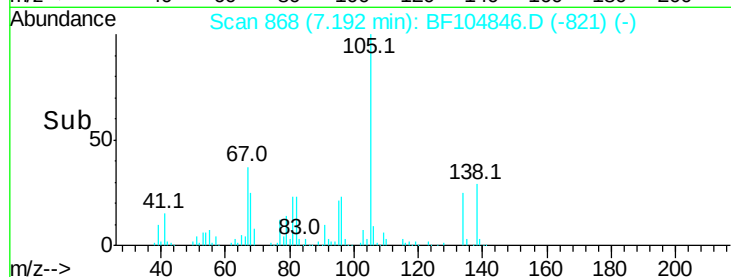
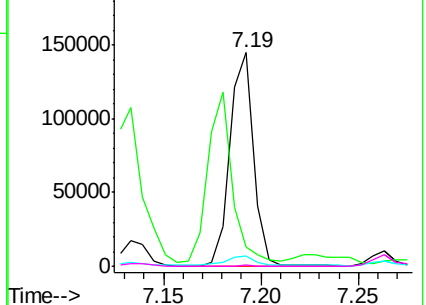


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 37.950 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF104846.D

Acq: 26 Apr 2018 19:20

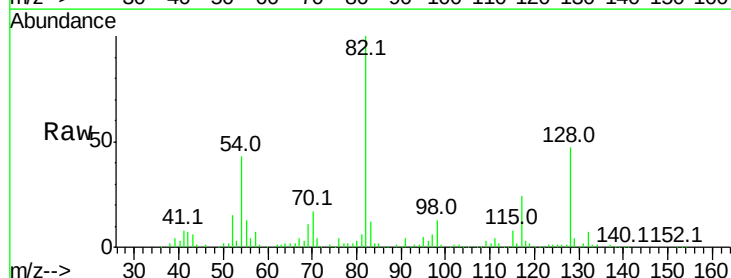
Tgt Ion: 82 Resp: 207228

Ion Ratio Lower Upper

82 100

128 46.6 36.1 54.1

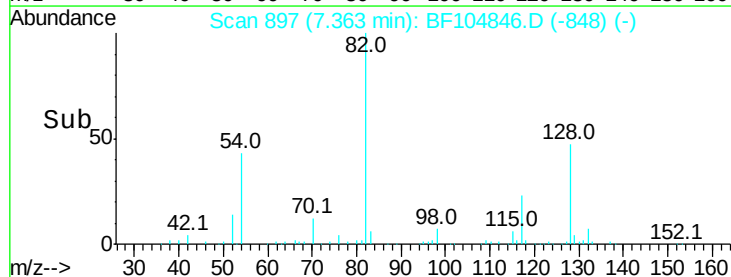
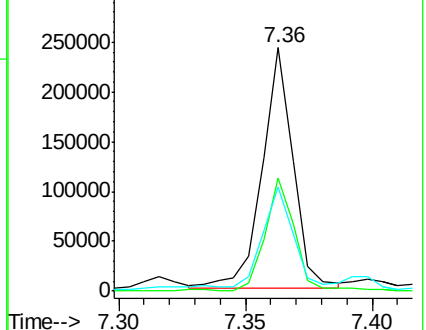
54 42.9 41.4 62.2

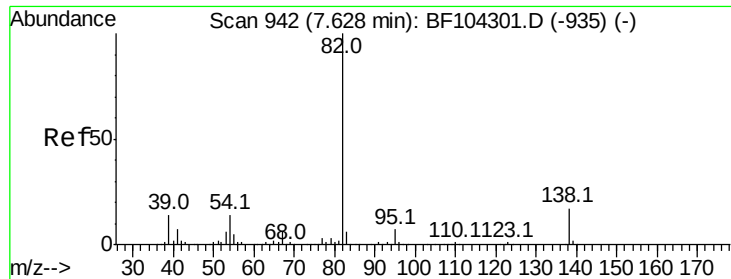


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

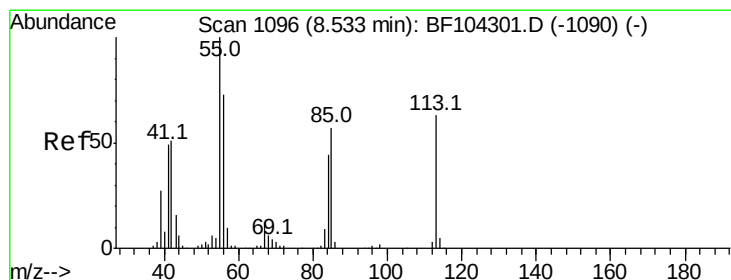
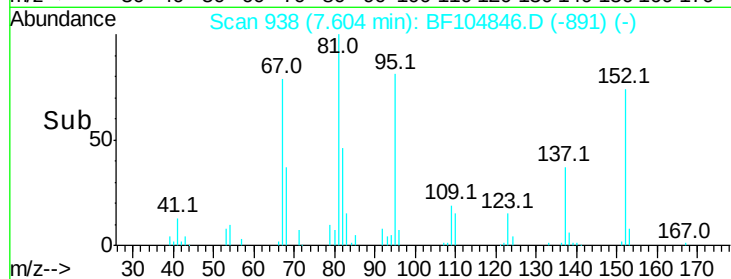
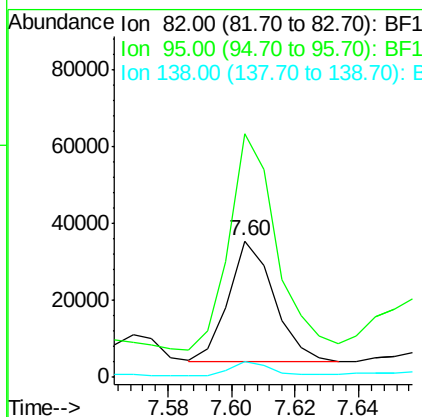
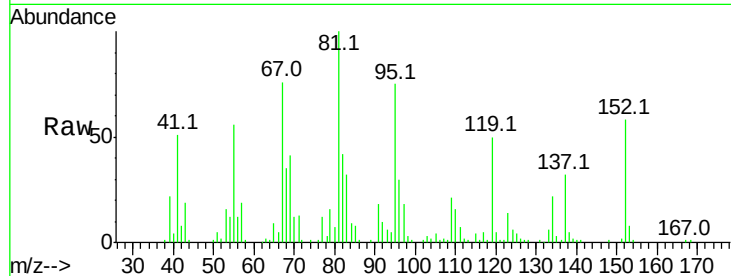




#25
Isophorone
Concen: 2.745 ng
RT: 7.60 min Scan# 938
Delta R.T. -0.02 min
Lab File: BF104846.D
Acq: 26 Apr 2018 19:20

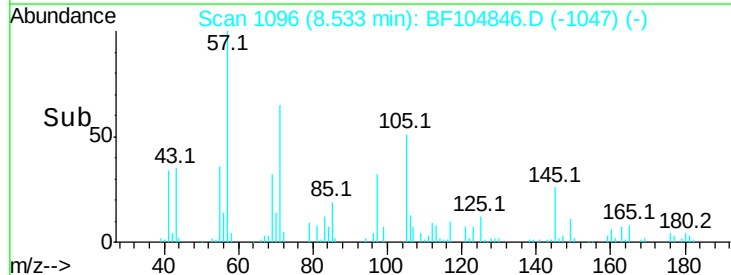
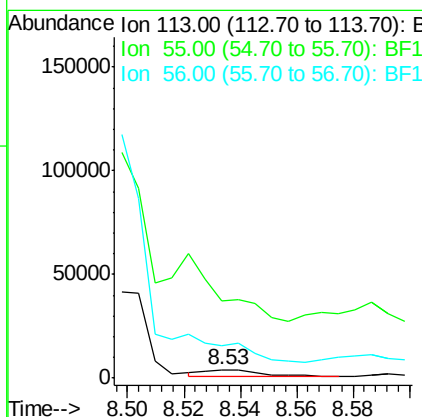
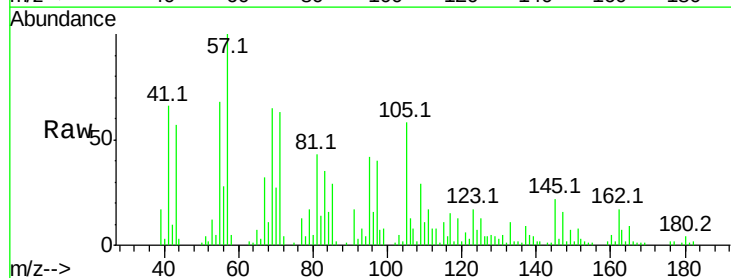
Instrument :
BNA_F
ClientSampleId :

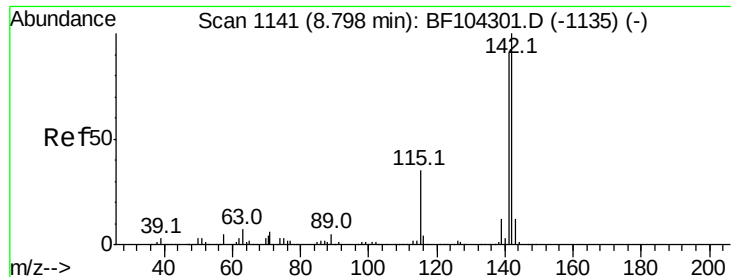
Tot Ion: 82 Resp: 31697
Ion Ratio Lower Upper
82 100
95 178.2 5.2 7.8#
138 11.5 14.9 22.3#



#35
Caprolactam
Concen: 2.713 ng
RT: 8.53 min Scan# 1096
Delta R.T. -0.01 min
Lab File: BF104846.D
Acq: 26 Apr 2018 19:20

Tgt Ion: 113 Resp: 4602
Ion Ratio Lower Upper
113 100
55 887.4 163.3 203.3#
56 370.0 115.7 155.7#

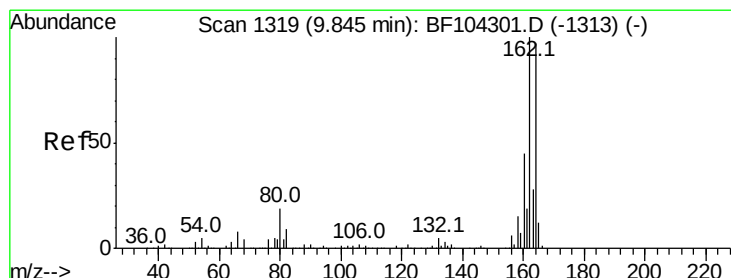
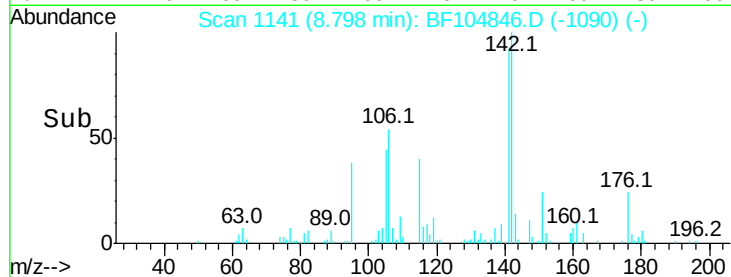
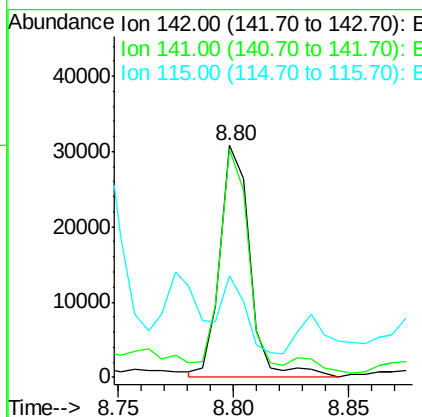
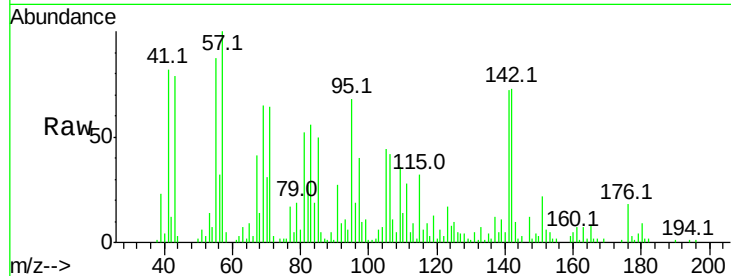




#37
 2-Methylnaphthalene
 Concen: 2.426 ng
 RT: 8.80 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: BF104846.D
 Acq: 26 Apr 2018 19:20

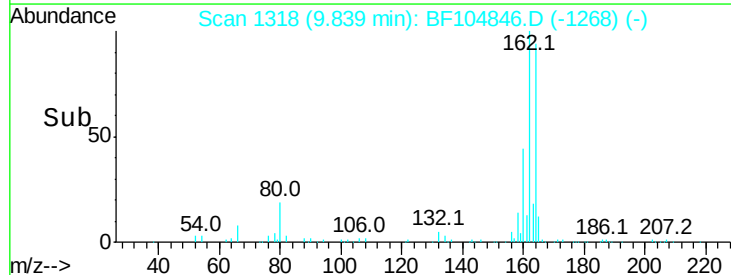
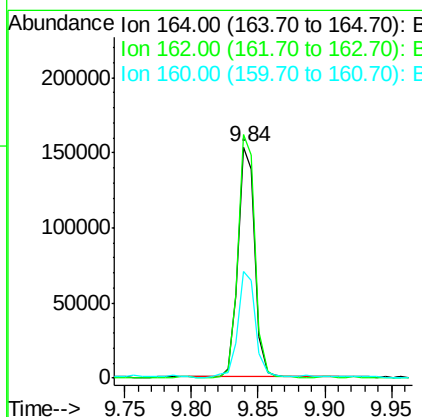
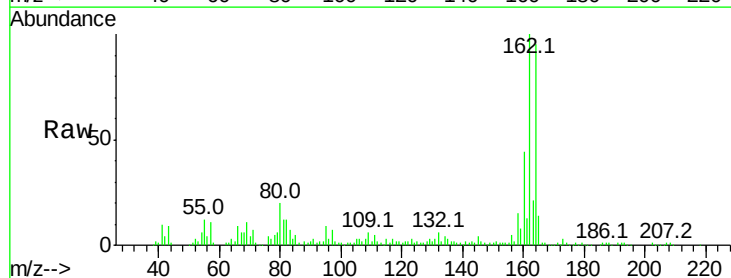
Instrument :
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 ClientSampled :

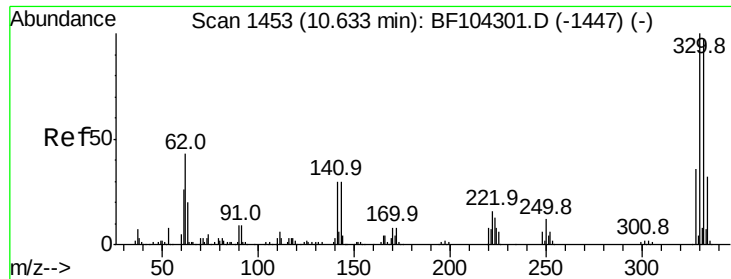
Tot Ion:142 Resp: 27863
 Ion Ratio Lower Upper
 142 100
 141 98.3 70.8 106.2
 115 43.8 26.1 39.1#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104846.D
 Acq: 26 Apr 2018 19:20

Tgt Ion:164 Resp: 136097
 Ion Ratio Lower Upper
 164 100
 162 105.2 86.1 129.1
 160 46.4 38.3 57.5

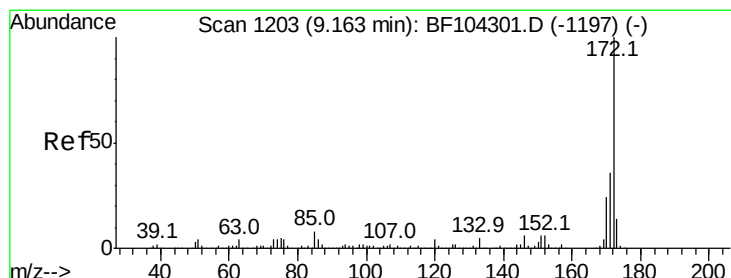
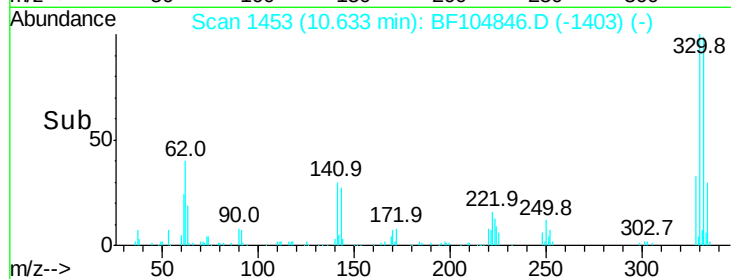
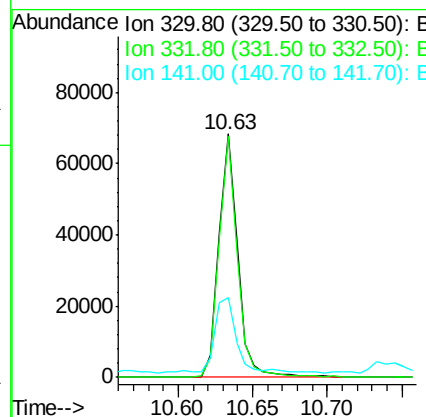
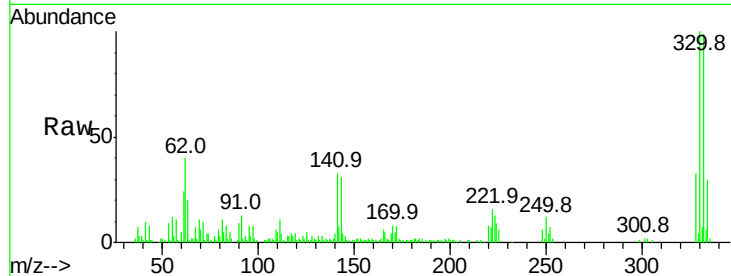




#41
 2,4,6-Tribromophenol
 Concen: 42.862 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104846.D
 Acq: 26 Apr 2018 19:20

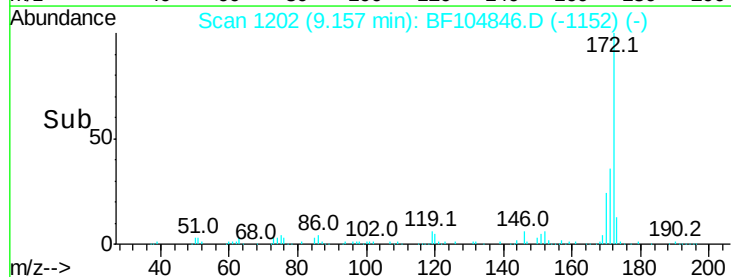
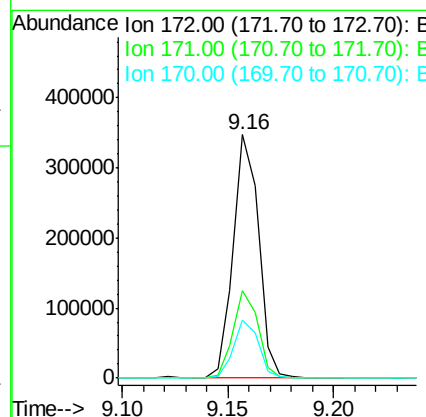
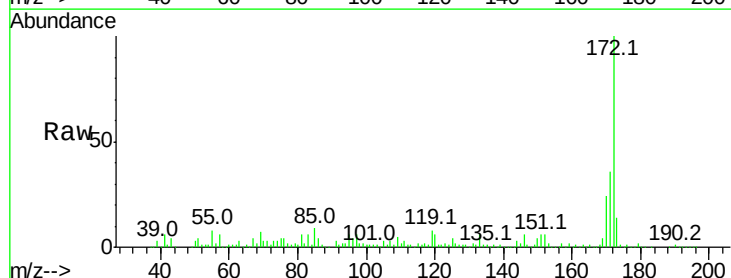
Instrument :
 BNA_F
 ClientSampleId :

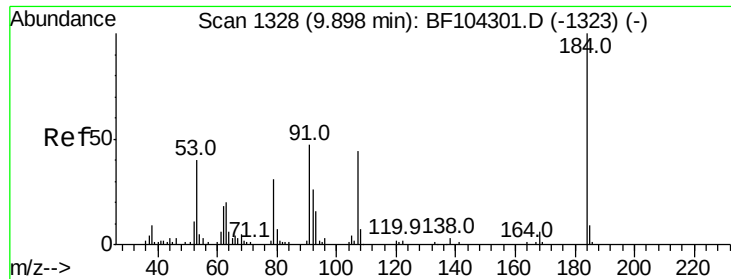
Tot Ion:330 Resp: 60512
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 37.9 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 33.465 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104846.D
 Acq: 26 Apr 2018 19:20

Tgt Ion:172 Resp: 288303
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.7 19.6 29.4

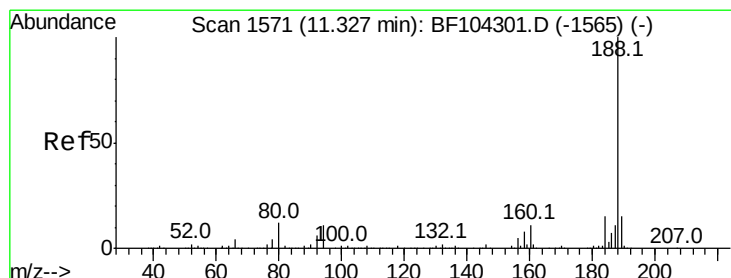
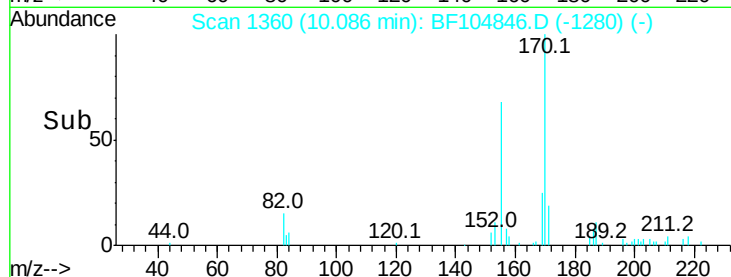
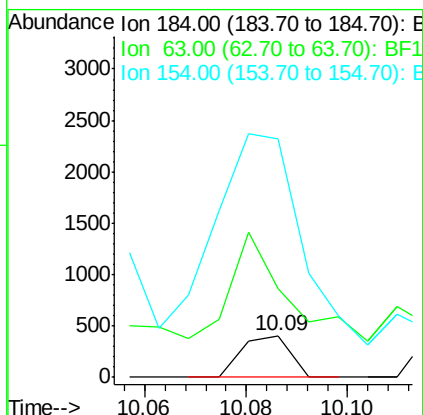
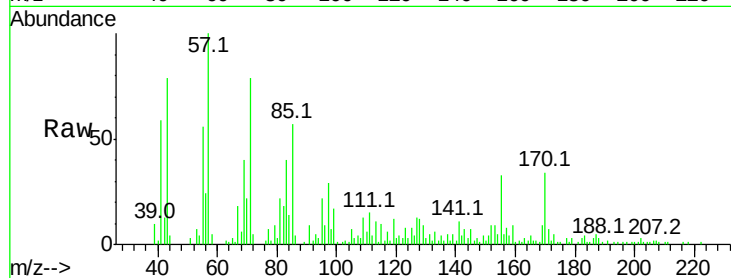




#53
 2,4-Dinitrophenol
 Concen: 5.622 ng
 RT: 10.09 min Scan# 1360
 Delta R.T. 0.17 min
 Lab File: BF104846.D
 Acq: 26 Apr 2018 19:20

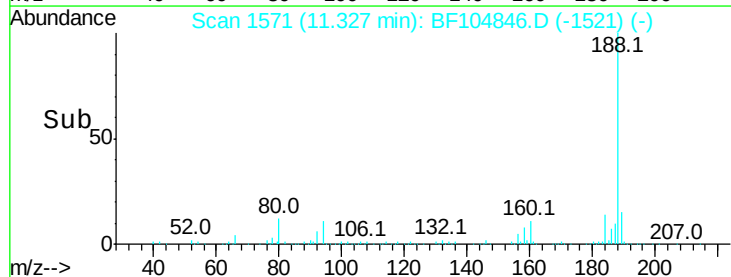
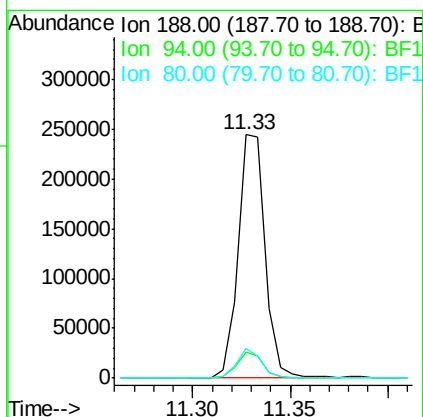
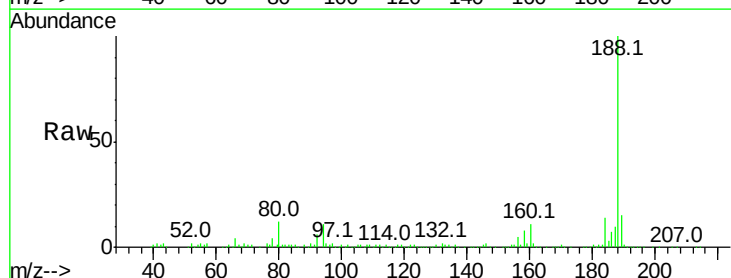
Instrument :
 BNA_F
 ClientSampled :

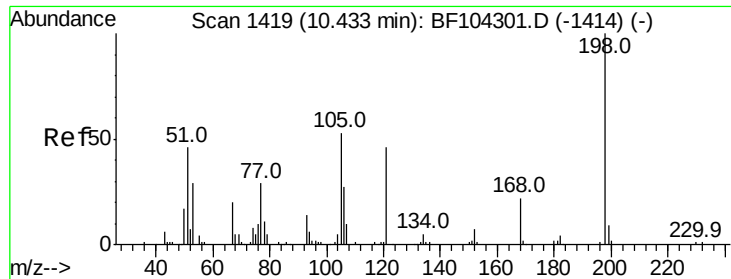
Tot Ion:184 Resp: 269
 Ion Ratio Lower Upper
 184 100
 63 212.4 54.2 81.2#
 154 576.0 184.0 276.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104846.D
 Acq: 26 Apr 2018 19:20

Tgt Ion:188 Resp: 234343
 Ion Ratio Lower Upper
 188 100
 94 10.9 8.5 12.7
 80 12.1 9.2 13.8

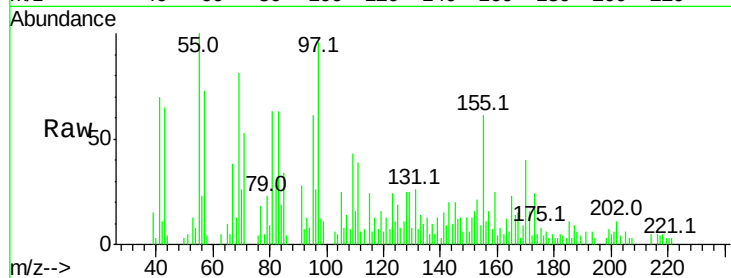




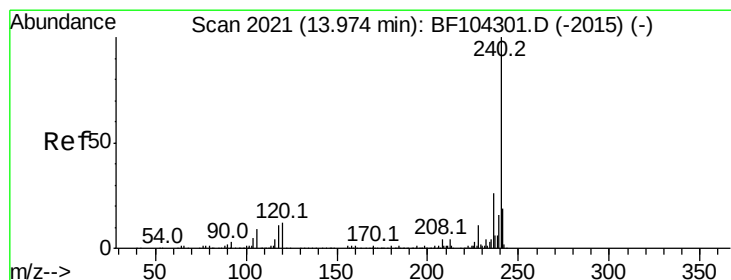
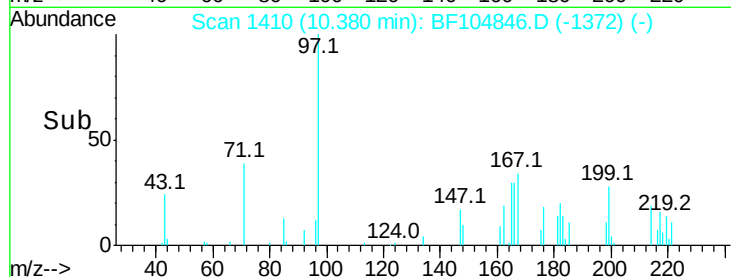
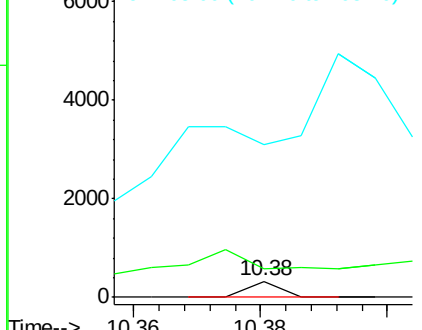
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.432 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.08 min
 Lab File: BF104846.D
 Acq: 26 Apr 2018 19:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 115
 Ion Ratio Lower Upper
 198 100
 51 181.6 37.7 77.7#
 105 952.1 36.3 76.3#

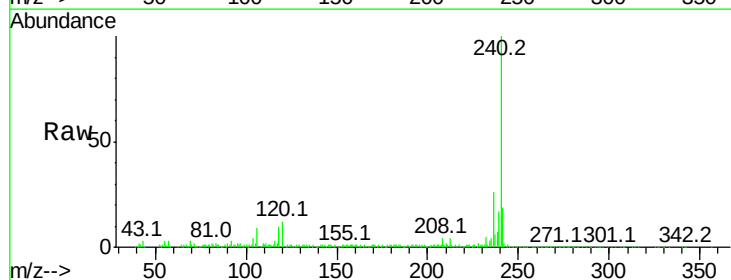


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

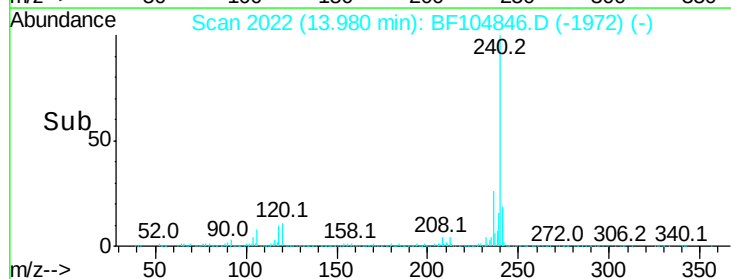
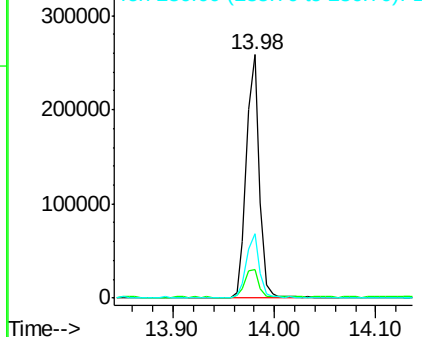


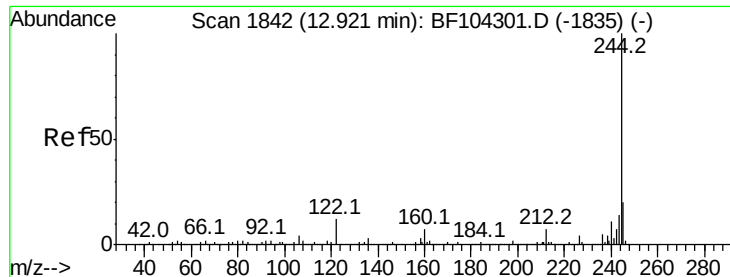
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF104846.D
 Acq: 26 Apr 2018 19:20

Tgt Ion:240 Resp: 229495
 Ion Ratio Lower Upper
 240 100
 120 11.6 9.5 14.3
 236 26.2 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: 27.471 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104846.D

Acq: 26 Apr 2018 19:20

Instrument :

BNA_F

ClientSampleId :

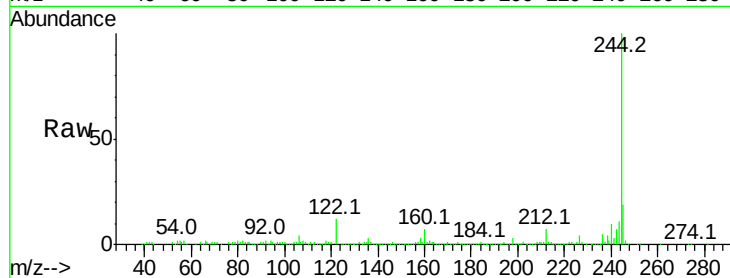
Tot Ion:244 Resp: 276530

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

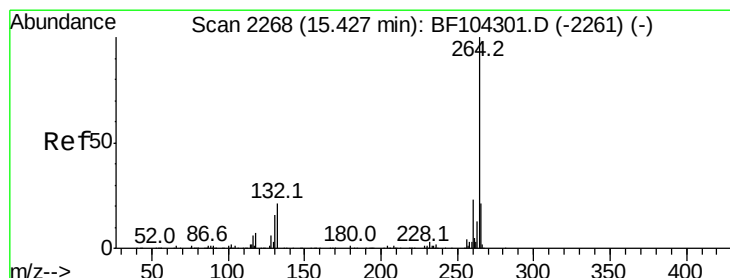
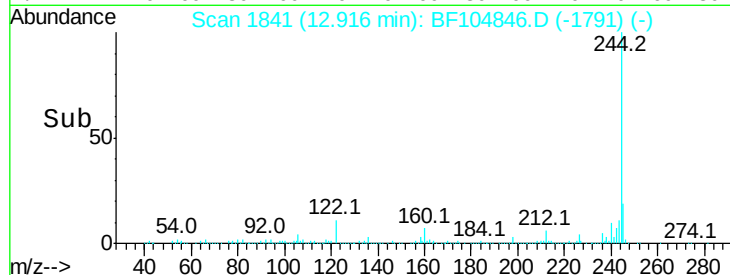
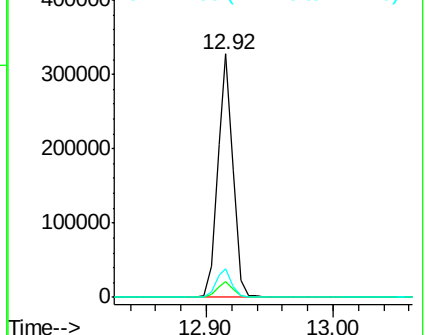
122 11.6 11.0 16.4



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: BF104846.D

Acq: 26 Apr 2018 19:20

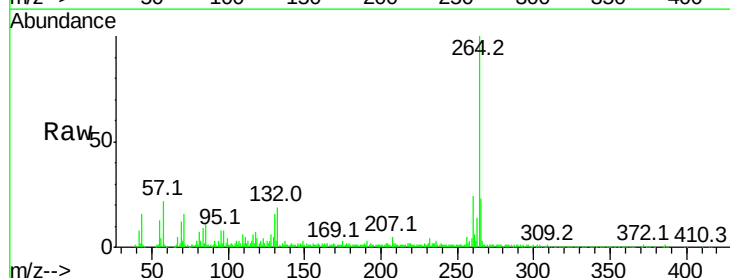
Tgt Ion:264 Resp: 155914

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 23.2 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

