

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091117\
 Data File : BF098430.D
 Acq On : 12 Sep 2017 4:15
 Operator : SJ/JU
 Sample : I5138-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 12 07:46:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

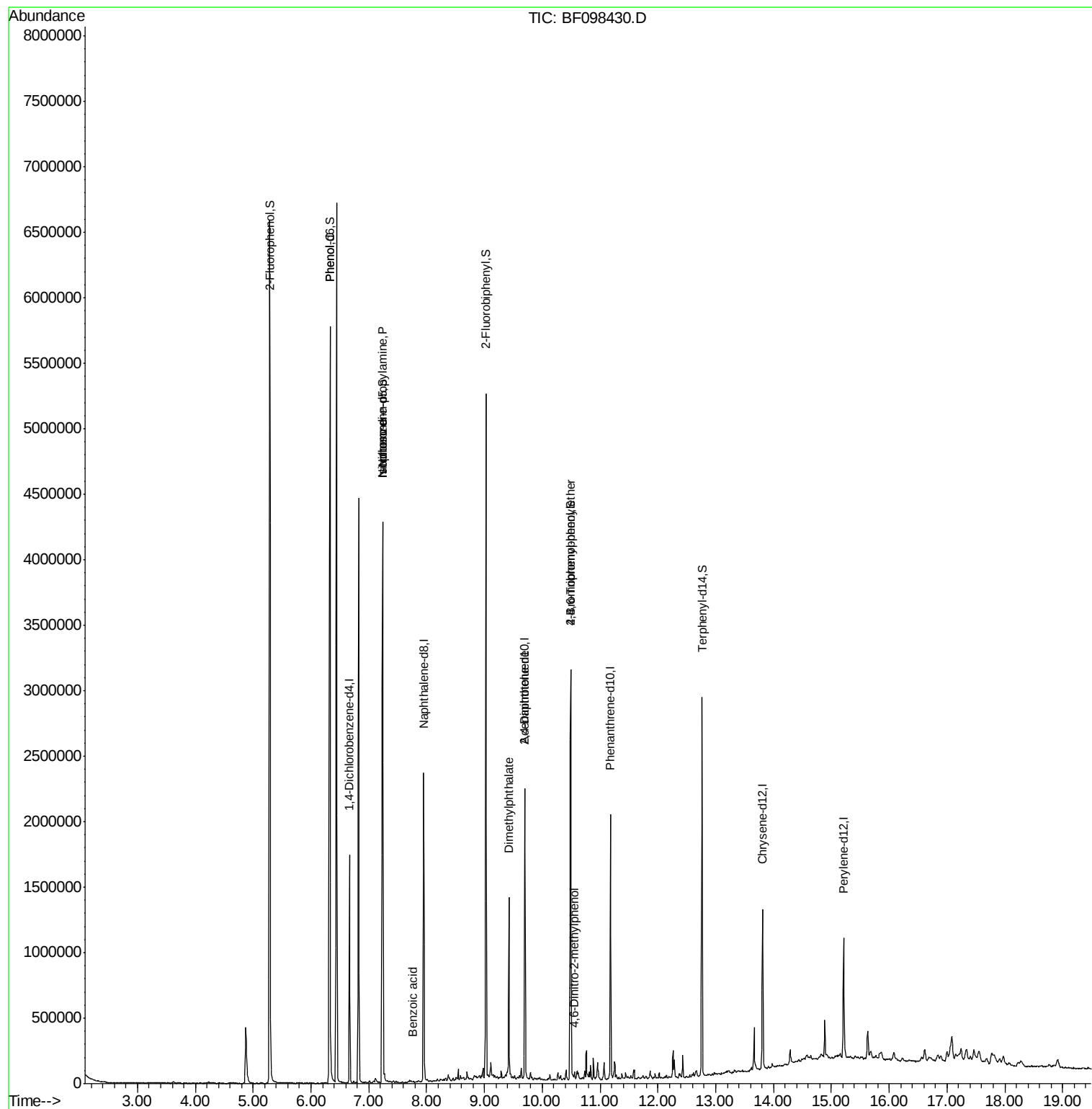
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	238779	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	959969	20.00	ng	0.00
38) Acenaphthene-d10	9.70	164	391756	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	615221	20.00	ng	0.00
75) Chrysene-d12	13.81	240	378407	20.00	ng	0.00
86) Perylene-d12	15.22	264	388096	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1995986	123.59	ng	0.01
7) Phenol-d6	6.33	99	2417266	117.89	ng	0.00
23) Nitrobenzene-d5	7.24	82	1485990	86.30	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	314620	120.33	ng	0.00
44) 2-Fluorobiphenyl	9.03	172	1480970	64.07	ng	0.00
78) Terphenyl-d14	12.76	244	794079	45.29	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.33	94	140235	5.89	ng	96
19) n-Nitroso-di-n-propylamine	7.24	70	201657	15.63	ng	# 82
25) Isophorone	7.24	82	1459319	41.89	ng	# 67
32) Benzoic acid	7.76	122	729	8.03	ng	# 34
49) Dimethylphthalate	9.42	163	463977	15.30	ng	100
56) 2,4-Dinitrotoluene	9.70	165	50056	6.61	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.56	198	886	5.17	ng	81
66) 4-Bromophenyl-phenylether	10.49	248	24470	4.19	ng	# 1

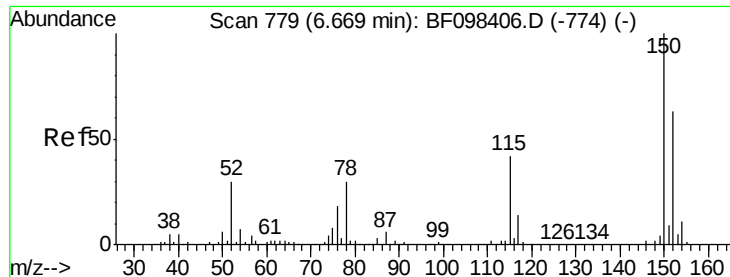
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF098430.D

Acq: 12 Sep 2017 4:15

Instrument :

BNA_F

ClientSampled :

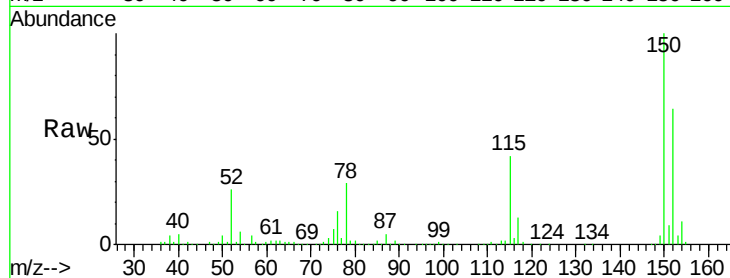
Tot Ion:152 Resp: 238779

Ion Ratio Lower Upper

152 100

150 156.8 126.2 189.2

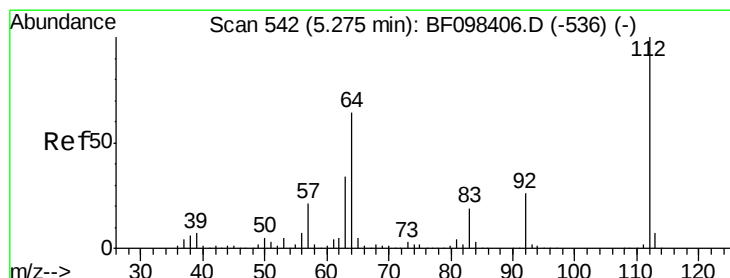
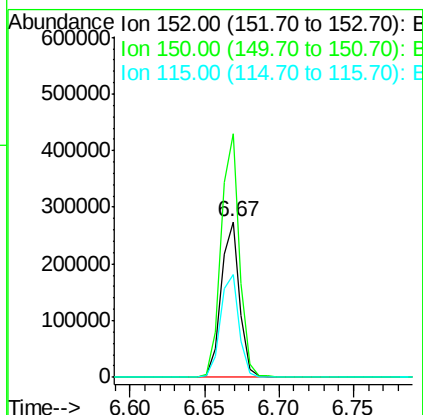
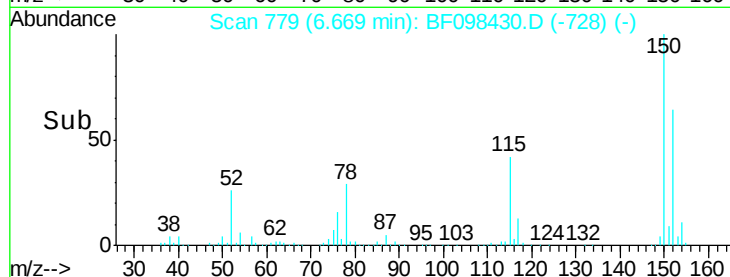
115 66.6 52.2 78.2



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: 123.59 ng

RT: 5.29 min Scan# 544

Delta R.T. 0.01 min

Lab File: BF098430.D

Acq: 12 Sep 2017 4:15

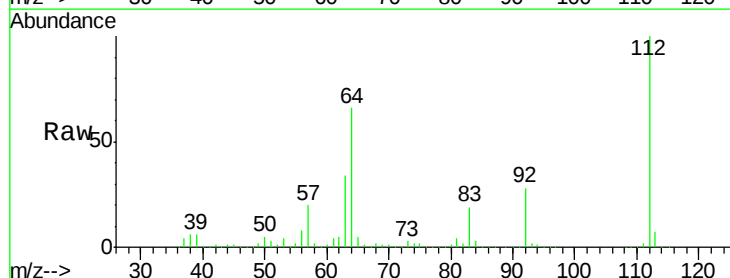
Tgt Ion:112 Resp: 1995986

Ion Ratio Lower Upper

112 100

64 66.3 46.0 69.0

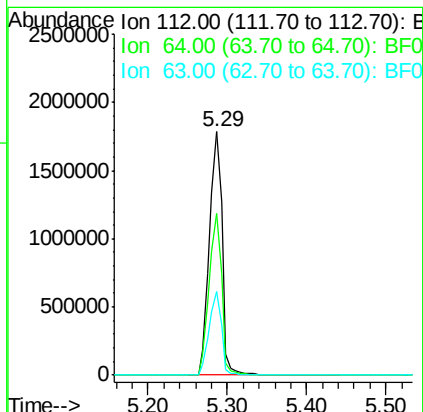
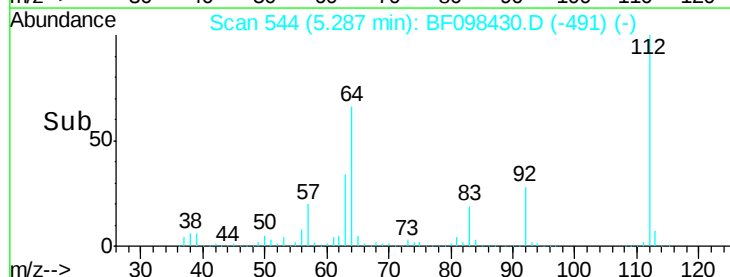
63 34.1 23.4 35.0

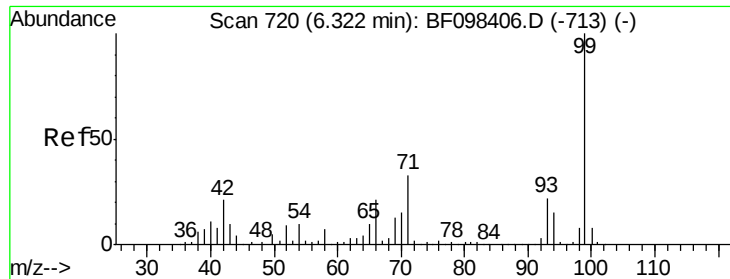


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.89 ng

RT: 6.33 min Scan# 721

Delta R.T. 0.01 min

Lab File: BF098430.D

Acq: 12 Sep 2017 4:15

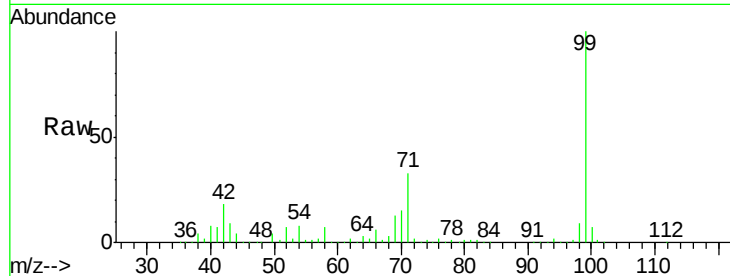
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 2417266

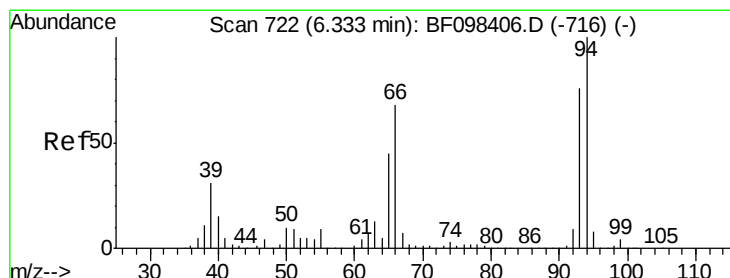
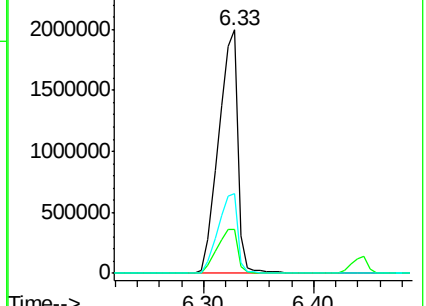
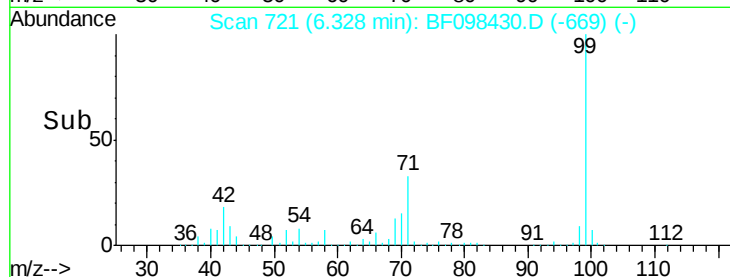
Ion	Ratio	Lower	Upper
99	100		
42	18.1	13.5	20.3
71	32.8	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.89 ng

RT: 6.33 min Scan# 722

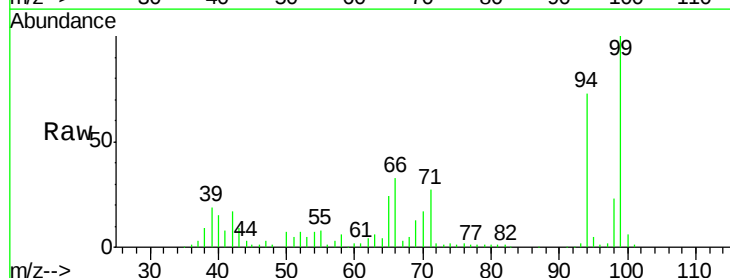
Delta R.T. 0.00 min

Lab File: BF098430.D

Acq: 12 Sep 2017 4:15

Tgt Ion: 94 Resp: 140235

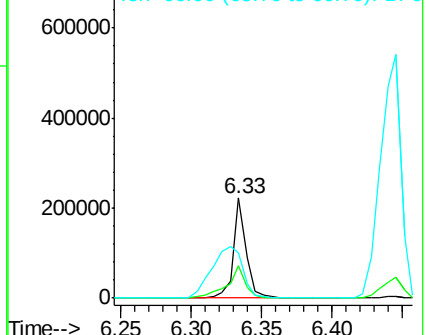
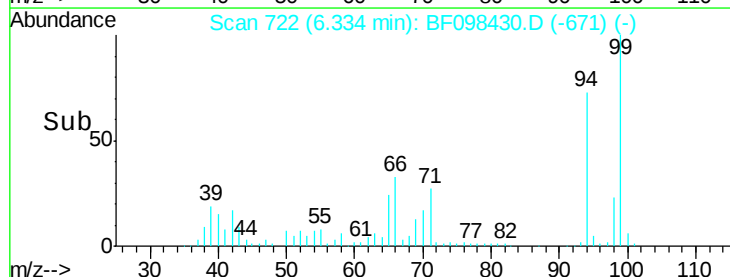
Ion	Ratio	Lower	Upper
94	100		
65	32.5	9.9	49.9
66	45.6	23.1	63.1

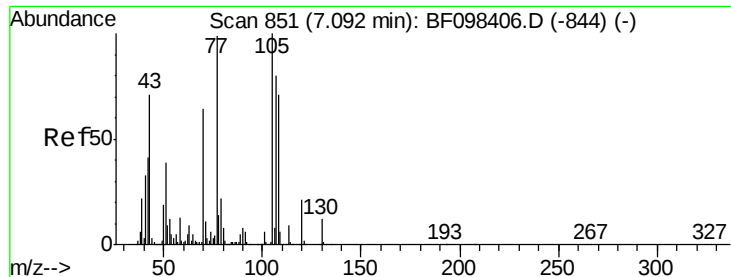


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

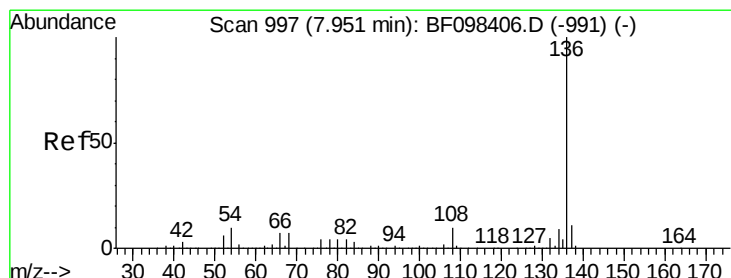
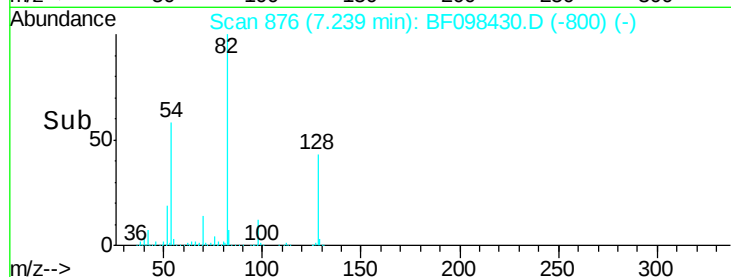
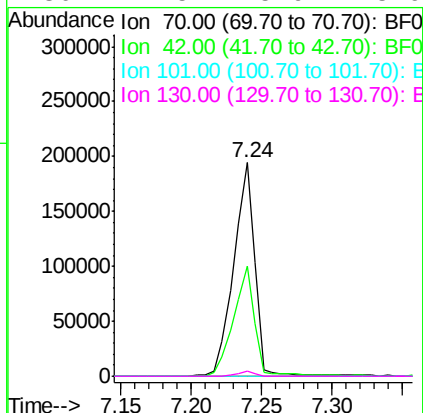
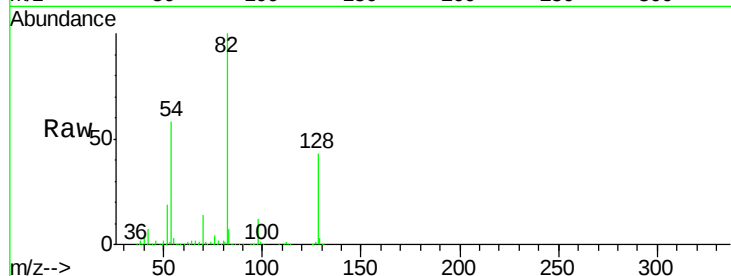




#19
n-Nitroso-di-n-propylamine
Concen: 15.63 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.15 min
Lab File: BF098430.D
Acq: 12 Sep 2017 4:15

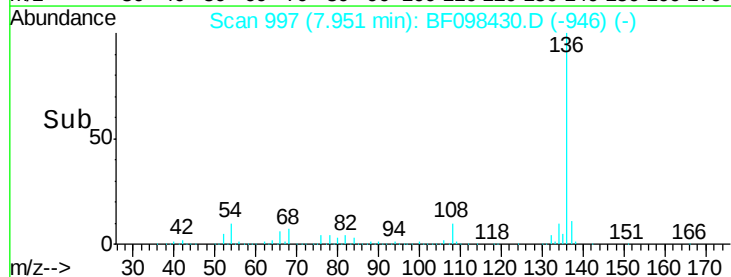
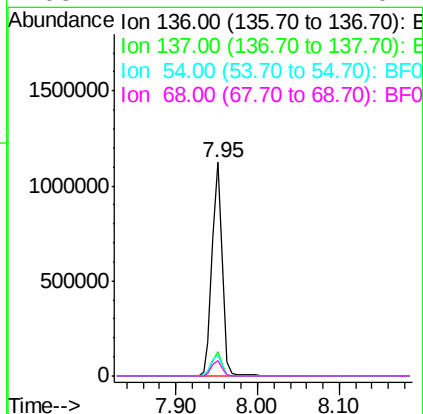
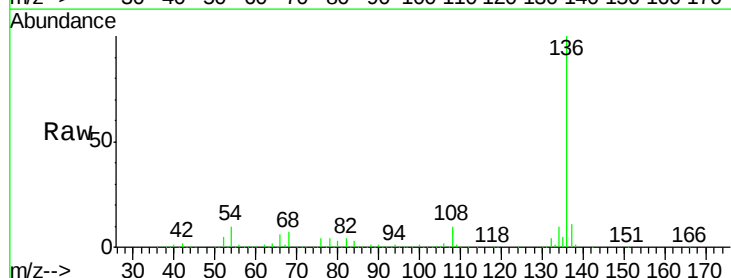
Instrument :
BNA_F
ClientSampleId :

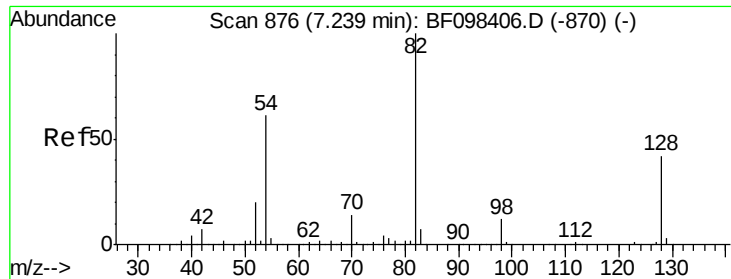
Tot Ion	Ratio	Lower	Upper
70	100		
42	51.3	47.2	70.8
101	0.0	7.2	10.8#
130	2.5	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF098430.D
Acq: 12 Sep 2017 4:15

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	9.8	4.9	7.3#
68	7.4	4.1	6.1#

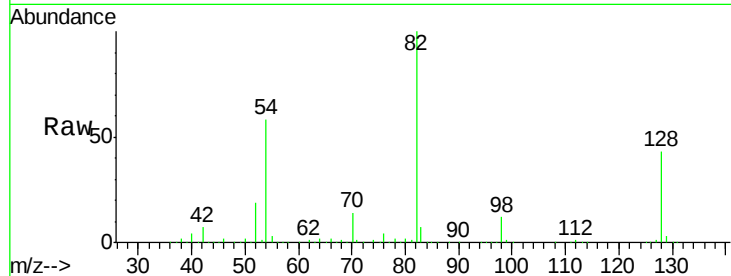




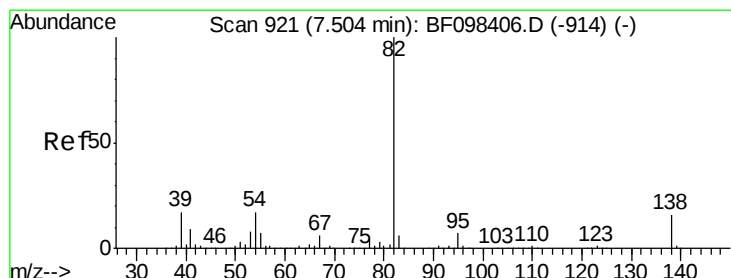
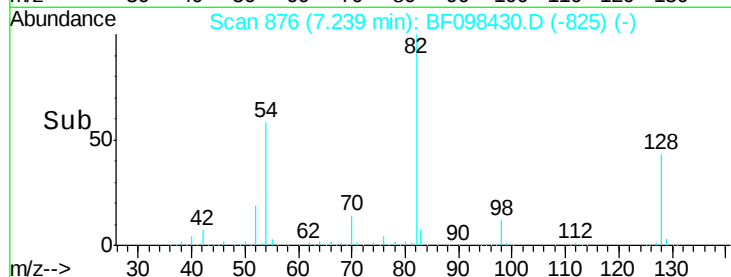
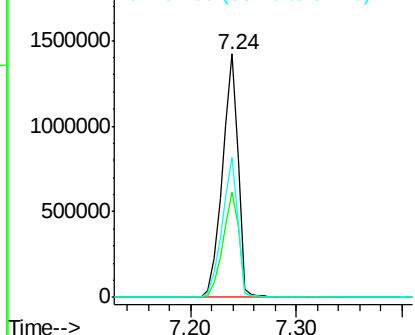
#23
 Nitrobenzene-d5
 Concen: 86.30 ng
 RT: 7.24 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: BF098430.D
 Acq: 12 Sep 2017 4:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 1485990
 Ion Ratio Lower Upper
 82 100
 128 43.2 34.0 51.0
 54 57.6 42.2 63.2

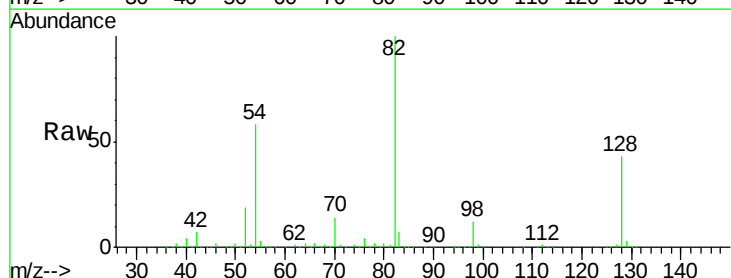


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

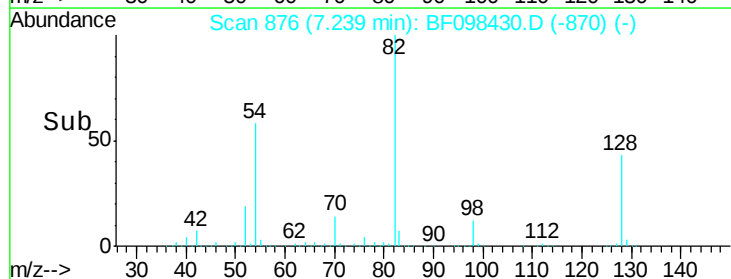
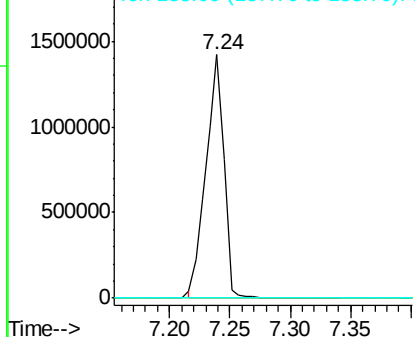


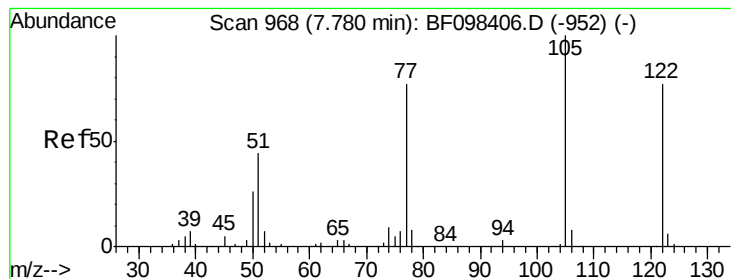
#25
 Isophorone
 Concen: 41.89 ng
 RT: 7.24 min Scan# 876
 Delta R.T. -0.26 min
 Lab File: BF098430.D
 Acq: 12 Sep 2017 4:15

Tgt Ion: 82 Resp: 1459319
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#32

Benzoic acid

Concen: 8.03 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF098430.D

Acq: 12 Sep 2017 4:15

Instrument :

BNA_F

ClientSampled :

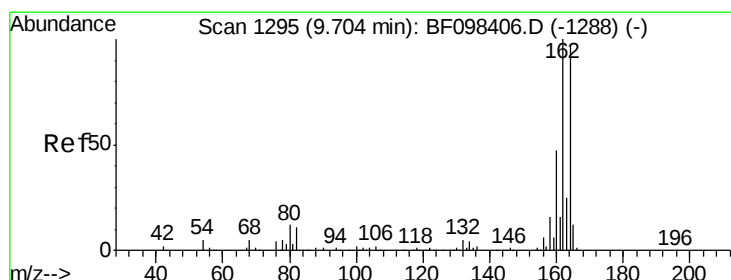
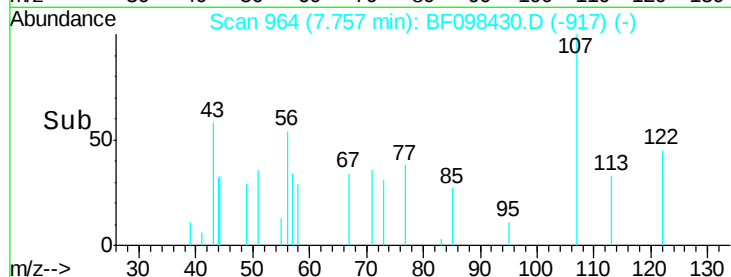
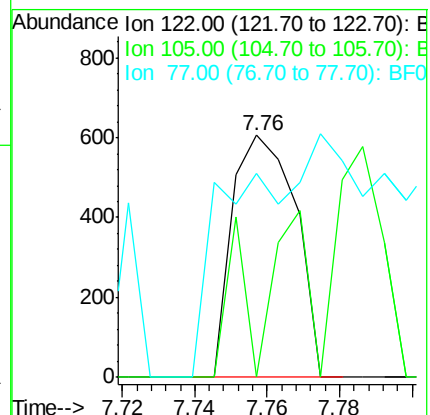
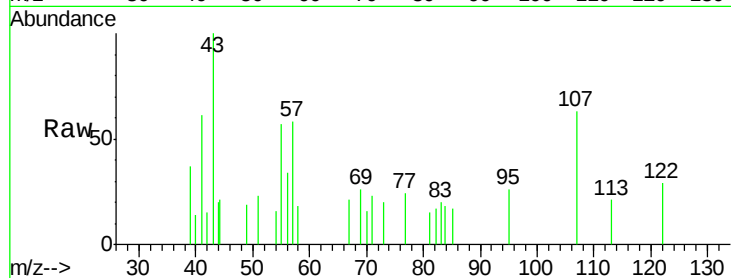
Tot Ion:122 Resp: 729

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

77 84.3 73.7 113.7



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF098430.D

Acq: 12 Sep 2017 4:15

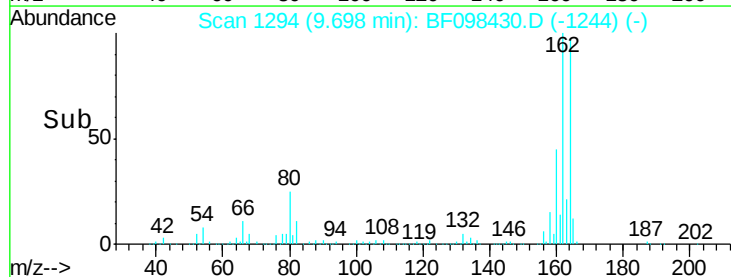
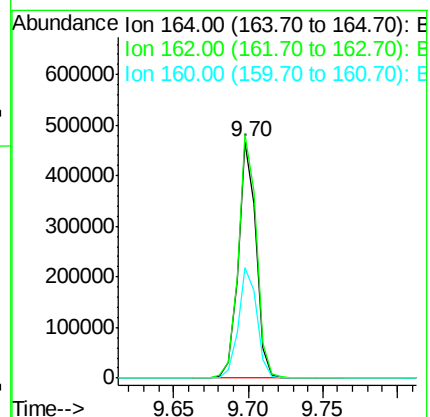
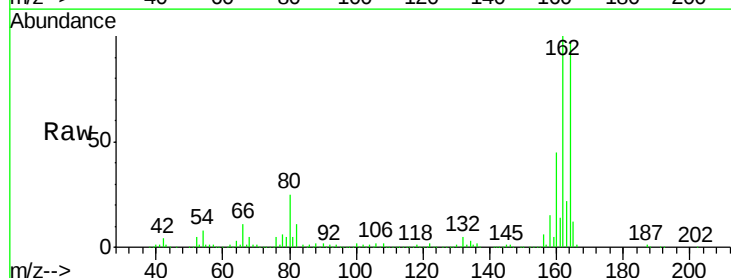
Tgt Ion:164 Resp: 391756

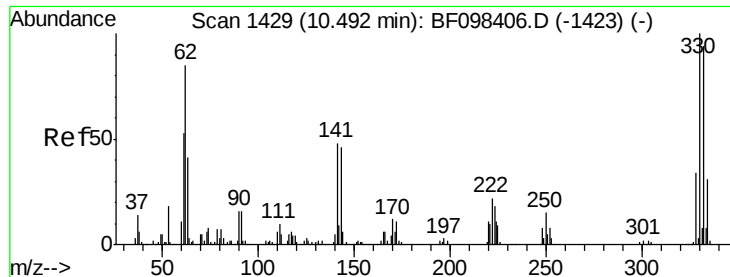
Ion Ratio Lower Upper

164 100

162 103.0 82.6 123.8

160 46.7 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 120.33 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.00 min

Lab File: BF098430.D

Acq: 12 Sep 2017 4:15

Instrument :

BNA_F

ClientSampled :

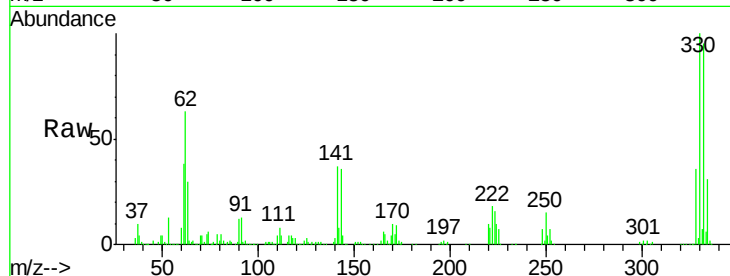
Tot Ion:330 Resp: 314620

Ion Ratio Lower Upper

330 100

332 97.0 76.6 115.0

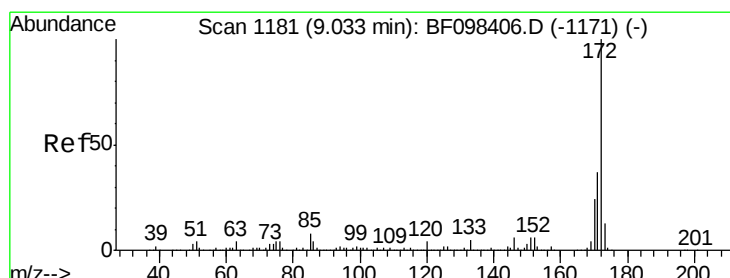
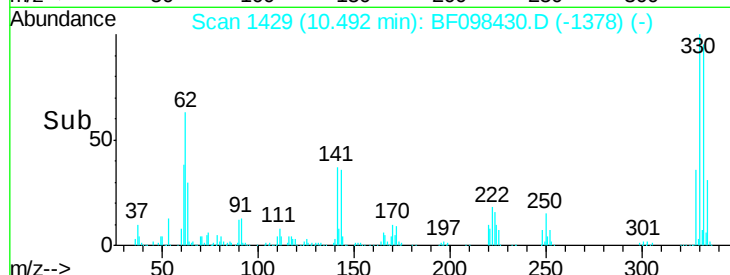
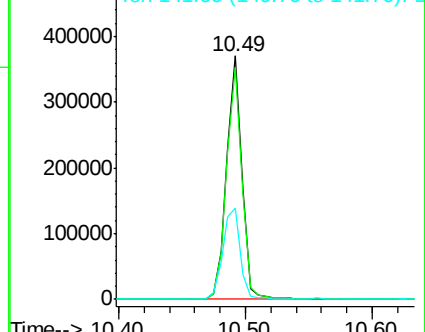
141 43.4 31.4 47.2



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: 64.07 ng

RT: 9.03 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BF098430.D

Acq: 12 Sep 2017 4:15

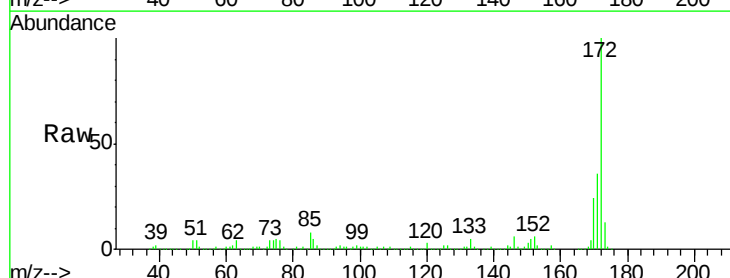
Tgt Ion:172 Resp: 1480970

Ion Ratio Lower Upper

172 100

171 36.4 29.6 44.4

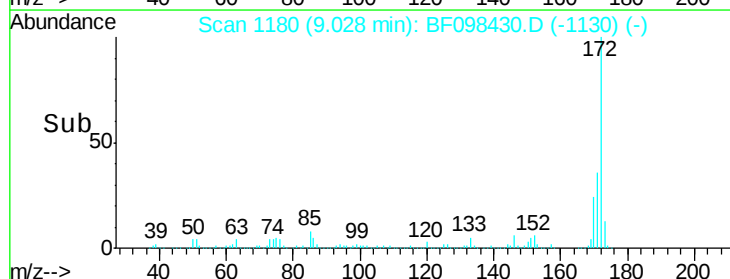
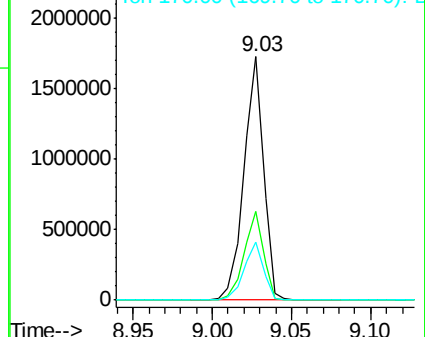
170 23.6 19.8 29.8

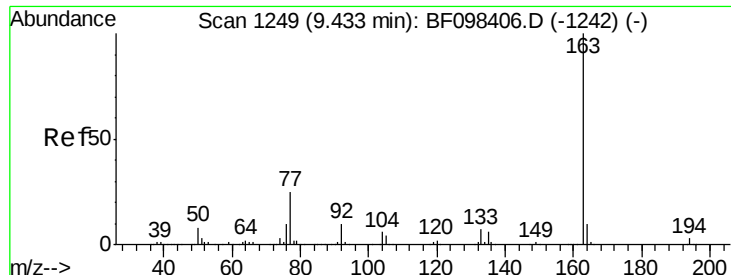


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

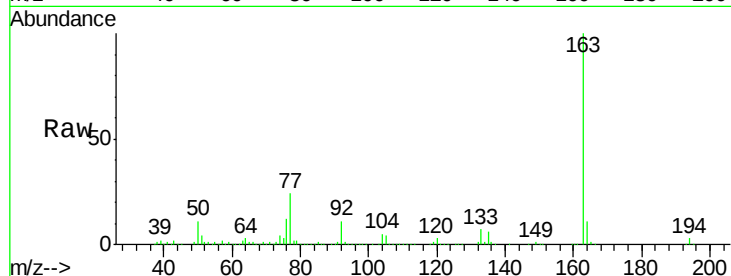




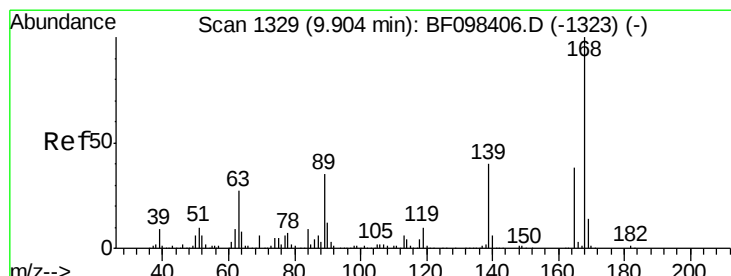
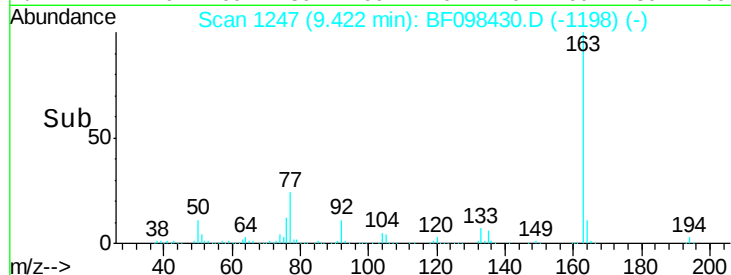
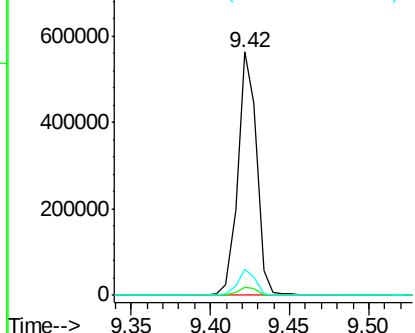
#49
Dimethylphthalate
Concen: 15.30 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.01 min
Lab File: BF098430.D
Acq: 12 Sep 2017 4:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.7	8.4	12.6

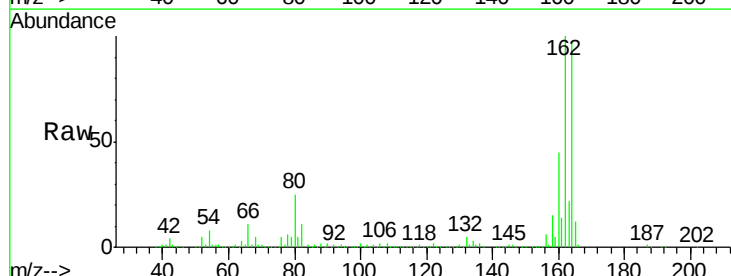


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

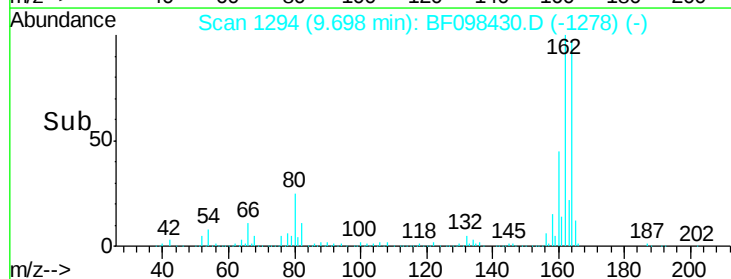
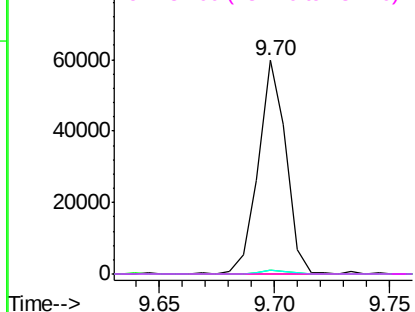


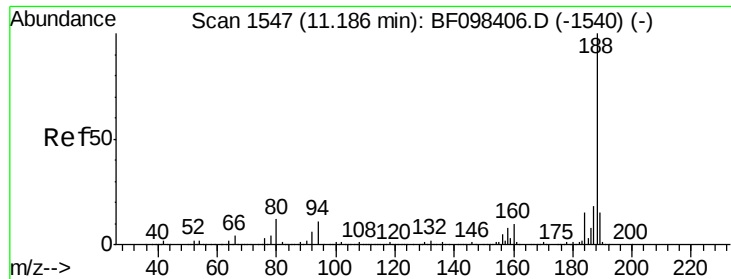
#56
2,4-Dinitrotoluene
Concen: 6.61 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.21 min
Lab File: BF098430.D
Acq: 12 Sep 2017 4:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	2.1	46.4	69.6#
182	0.0	1.8	2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

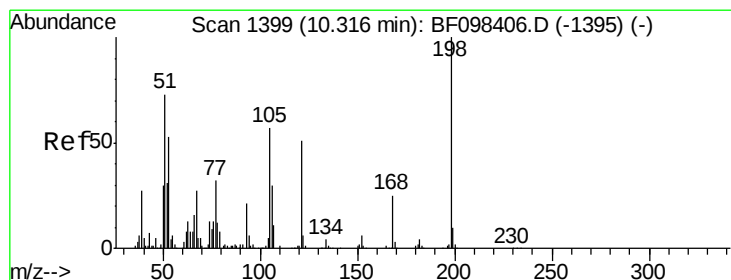
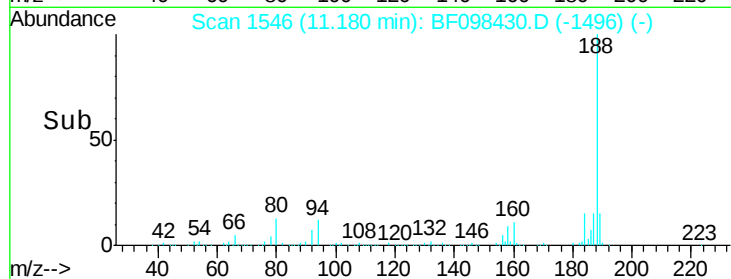
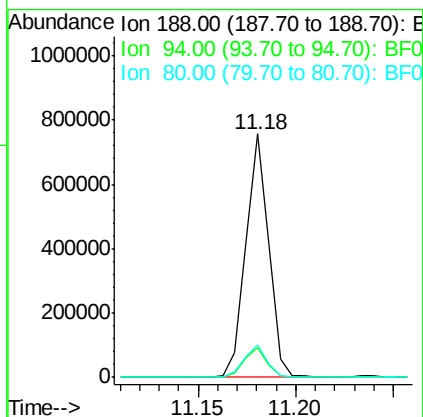
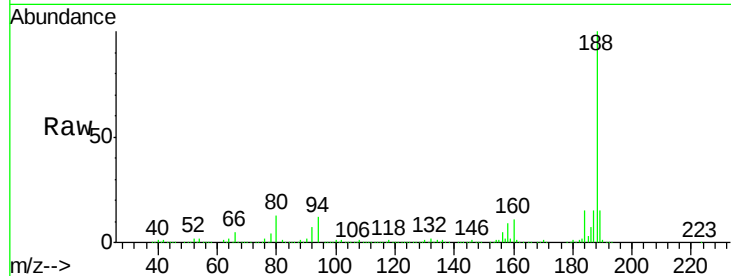




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BF098430.D
Acq: 12 Sep 2017 4:15

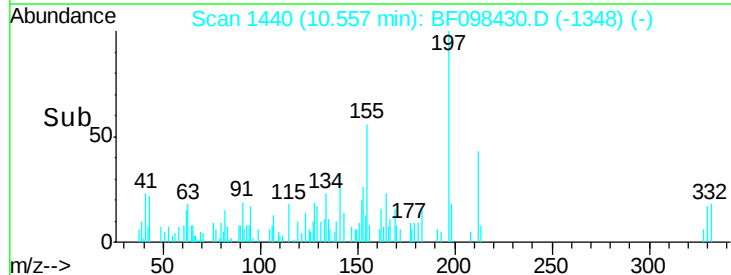
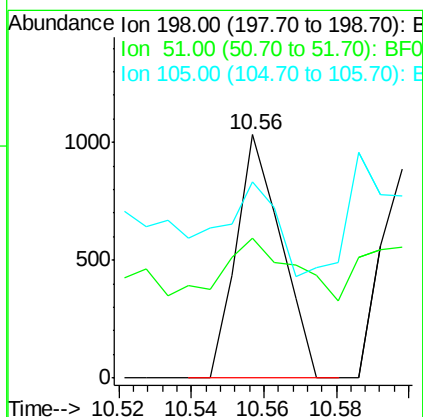
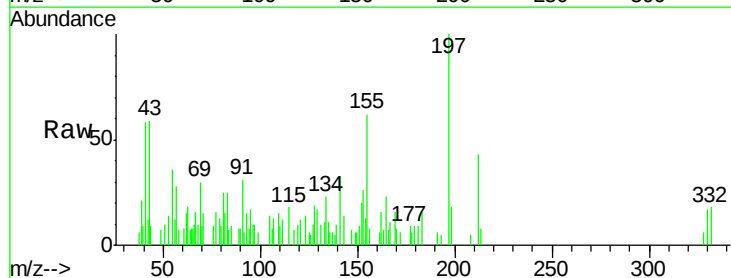
Instrument :
BNA_F
ClientSampleId :

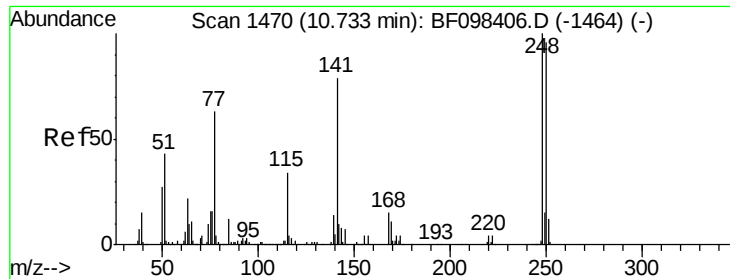
Tot Ion:188 Resp: 615221
Ion Ratio Lower Upper
188 100
94 12.2 9.4 14.2
80 13.2 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 5.17 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.24 min
Lab File: BF098430.D
Acq: 12 Sep 2017 4:15

Tgt Ion:198 Resp: 886
Ion Ratio Lower Upper
198 100
51 57.5 53.2 93.2
105 80.3 45.8 85.8

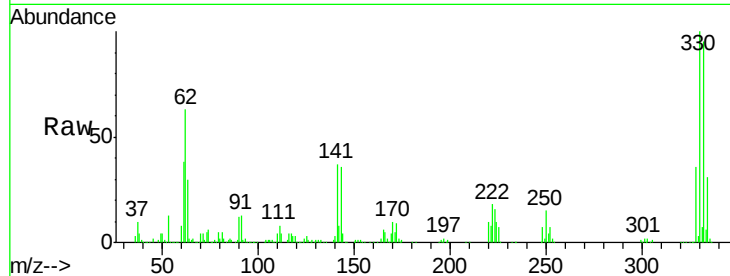




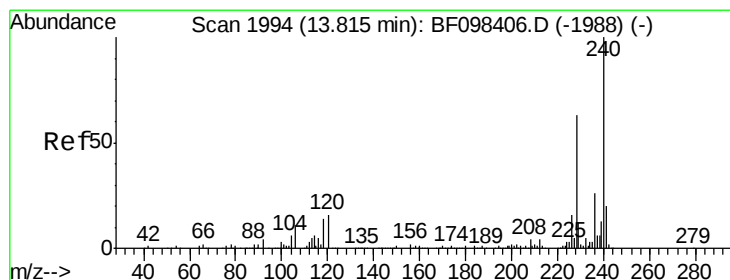
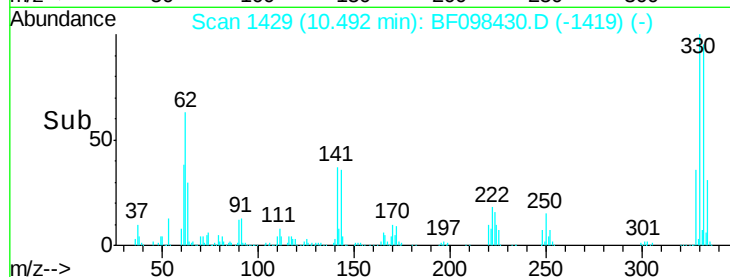
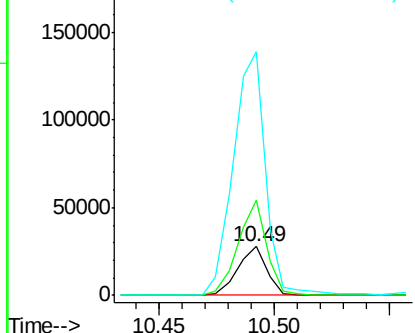
#66
4-Bromophenyl-phenylether
Concen: 4.19 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.24 min
Lab File: BF098430.D
Acq: 12 Sep 2017 4:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 24470
Ion Ratio Lower Upper
248 100
250 195.9 76.8 115.2#
141 500.6 68.6 103.0#

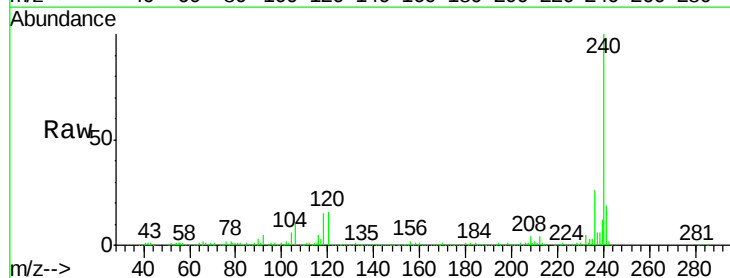


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

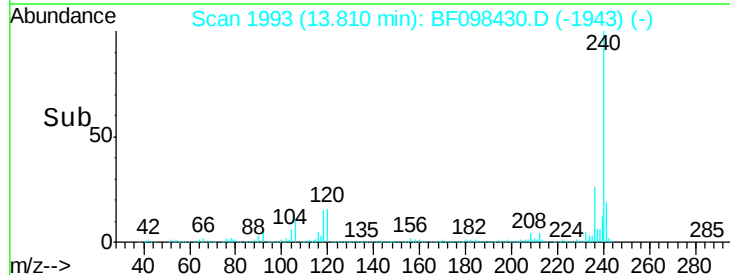
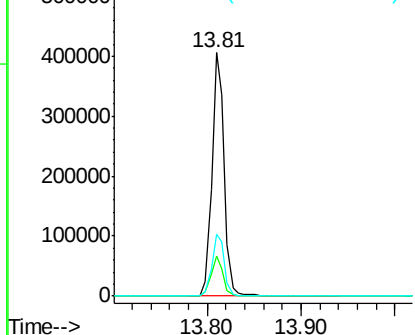


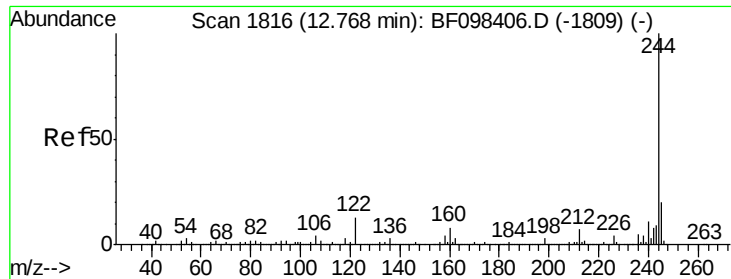
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF098430.D
Acq: 12 Sep 2017 4:15

Tgt Ion:240 Resp: 378407
Ion Ratio Lower Upper
240 100
120 16.3 5.8 8.8#
236 25.6 20.5 30.7



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: 45.29 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF098430.D

Acq: 12 Sep 2017 4:15

Instrument :

BNA_F

ClientSampleId :

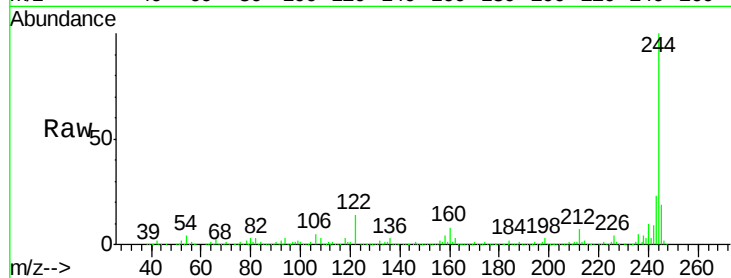
Tot Ion:244 Resp: 794079

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

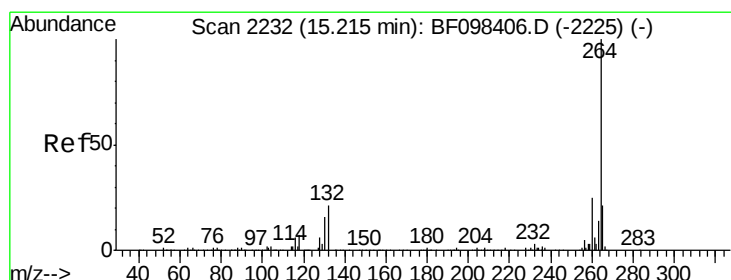
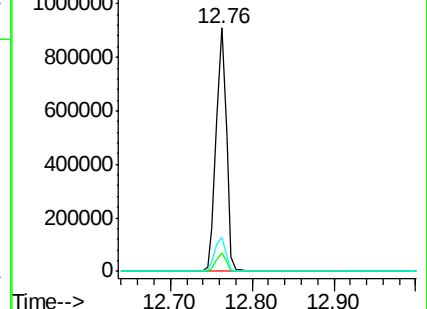
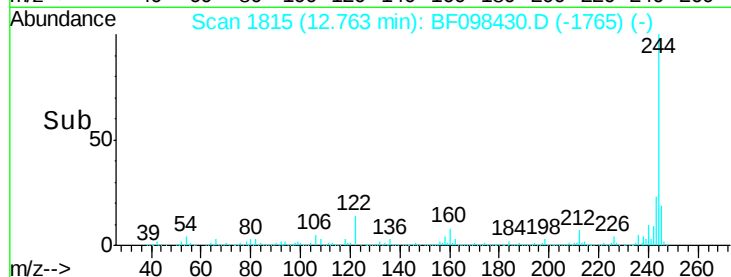
122 14.1 10.3 15.5



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: 20.00 ng

RT: 15.22 min Scan# 2232

Delta R.T. 0.00 min

Lab File: BF098430.D

Acq: 12 Sep 2017 4:15

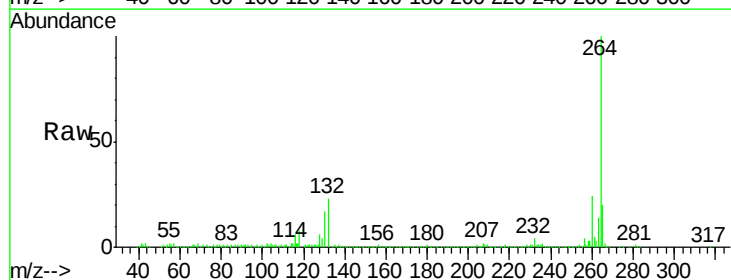
Tgt Ion:264 Resp: 388096

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

265 20.3 17.2 25.8



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

