

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
 Data File : BF098613.D
 Acq On : 18 Sep 2017 20:27
 Operator : SJ/JU
 Sample : I5265-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:38:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

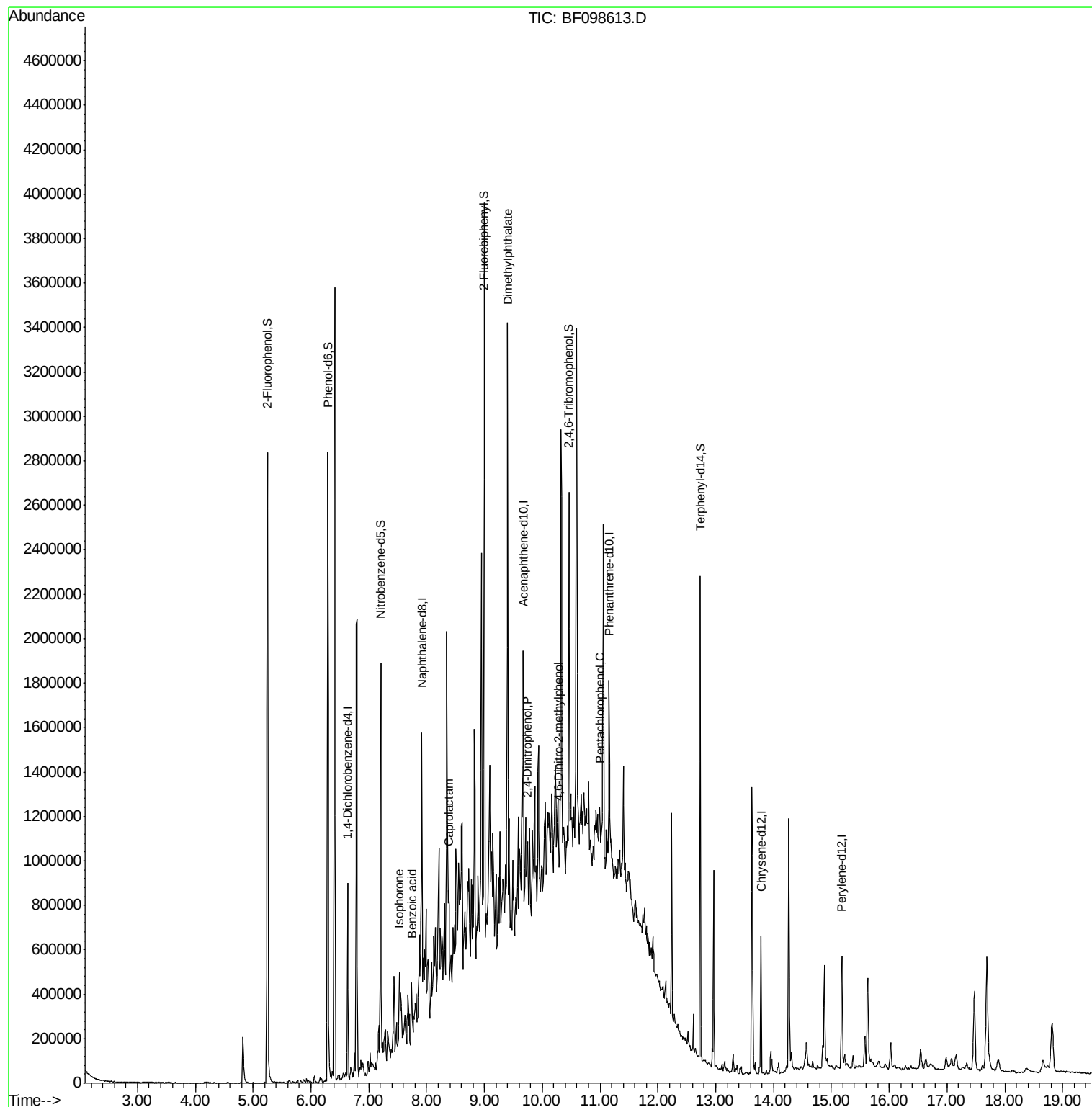
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	114749	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	452141	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	190035	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	293616	20.00	ng	0.00
75) Chrysene-d12	13.79	240	208917	20.00	ng	0.00
86) Perylene-d12	15.18	264	187873	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	836162	107.74	ng	0.00
7) Phenol-d6	6.29	99	1007314	102.22	ng	0.00
23) Nitrobenzene-d5	7.20	82	603688	74.44	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	154457	121.78	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	918378	81.91	ng	0.00
78) Terphenyl-d14	12.73	244	613975	63.43	ng	0.00
Target Compounds						
25) Isophorone	7.53	82	48414	2.950	ng	# 66
32) Benzoic acid	7.75	122	906	8.128	ng	# 1
35) Caprolactam	8.38	113	7626	3.740	ng	# 1
49) Dimethylphthalate	9.39	163	117189	7.966	ng	98
53) 2,4-Dinitrophenol	9.75	184	143	8.614	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.29	198	210	5.069	ng	# 1
69) Pentachlorophenol	10.99	266	129	7.033	ng	# 40

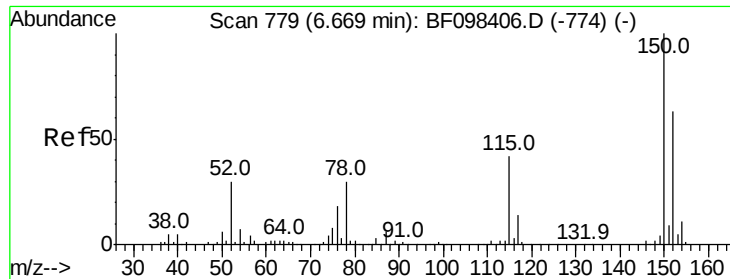
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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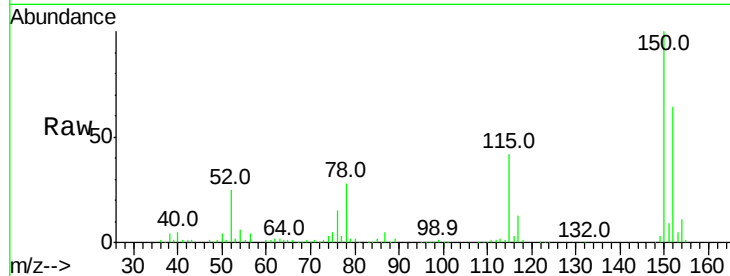


#1

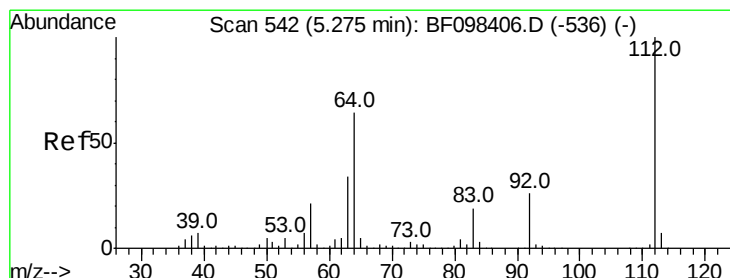
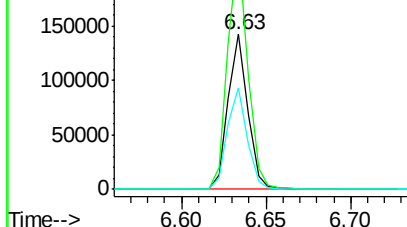
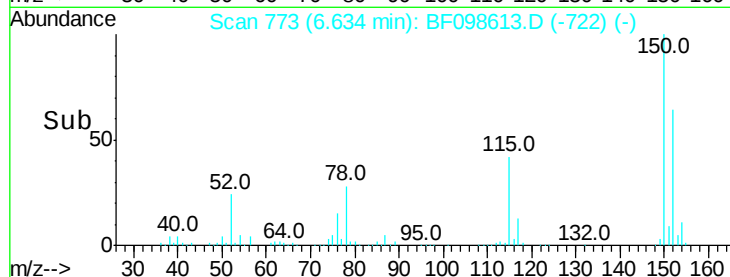
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.63 min Scan# 773
Delta R.T. 0.00 min
Lab File: BF098613.D
Acq: 18 Sep 2017 20:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 114749
Ion Ratio Lower Upper
152 100
150 157.3 126.2 189.2
115 65.4 52.2 78.2



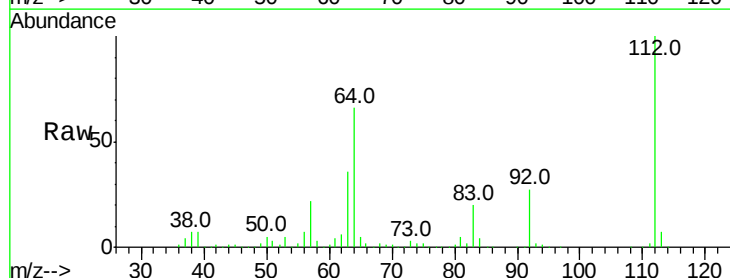
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



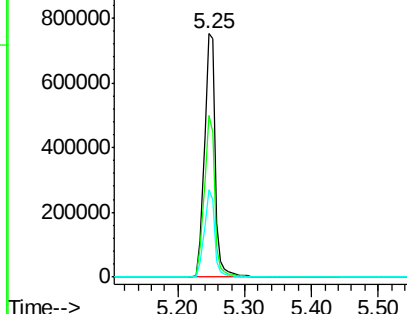
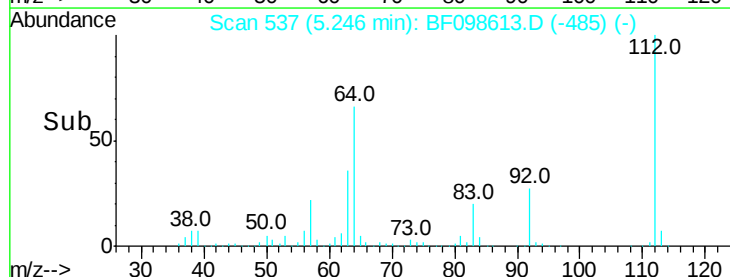
#5

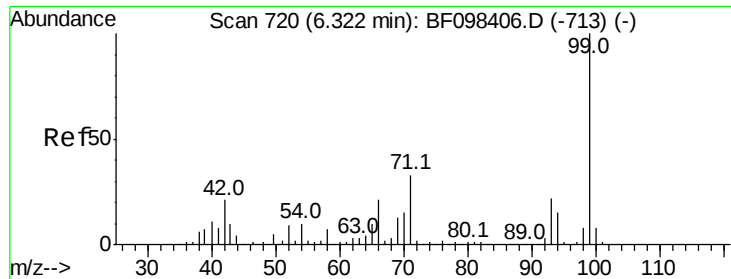
2-Fluorophenol
Concen: 107.738 ng
RT: 5.25 min Scan# 537
Delta R.T. 0.01 min
Lab File: BF098613.D
Acq: 18 Sep 2017 20:27

Tgt Ion:112 Resp: 836162
Ion Ratio Lower Upper
112 100
64 66.5 46.0 69.0
63 35.8 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: 102.225 ng

RT: 6.29 min Scan# 715

Delta R.T. 0.00 min

Lab File: BF098613.D

Acq: 18 Sep 2017 20:27

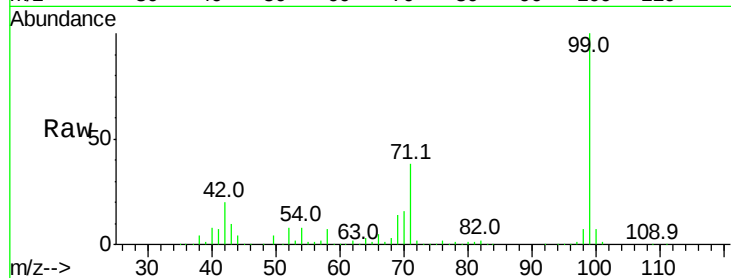
Instrument :

BNA_F

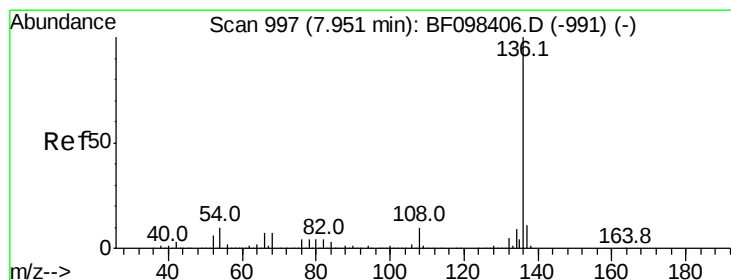
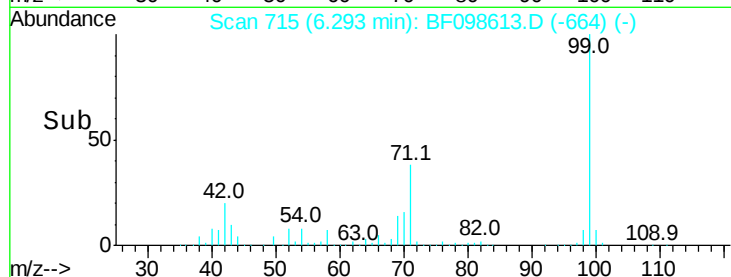
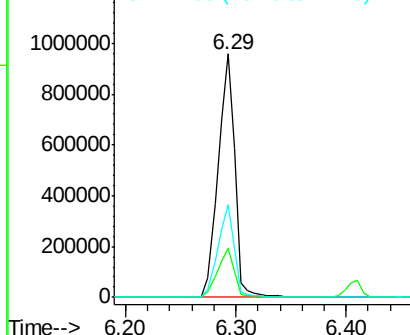
ClientSampleId :

Tot Ion: 99 Resp: 1007314

Ion	Ratio	Lower	Upper
99	100		
42	20.0	13.5	20.3
71	37.8	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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.92 min Scan# 991

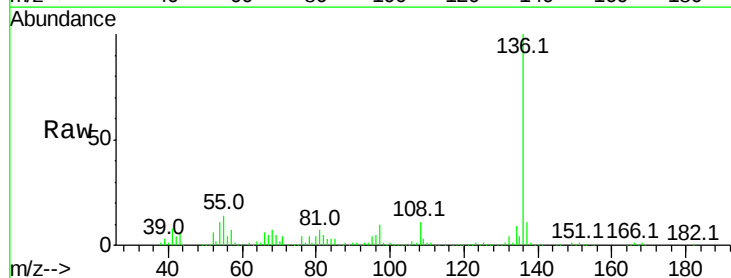
Delta R.T. -0.01 min

Lab File: BF098613.D

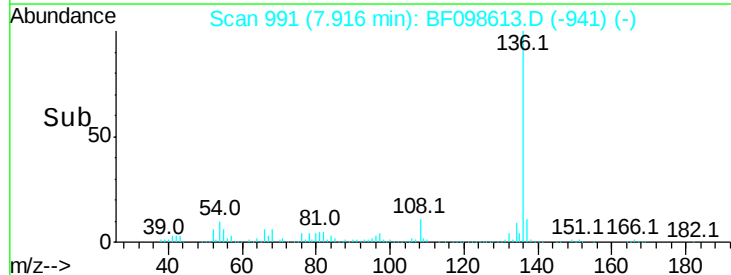
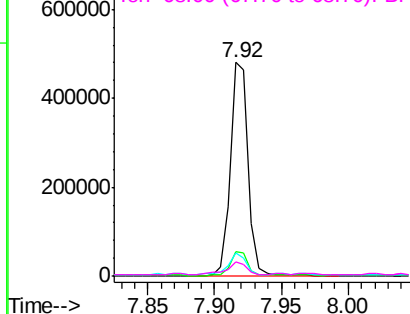
Acq: 18 Sep 2017 20:27

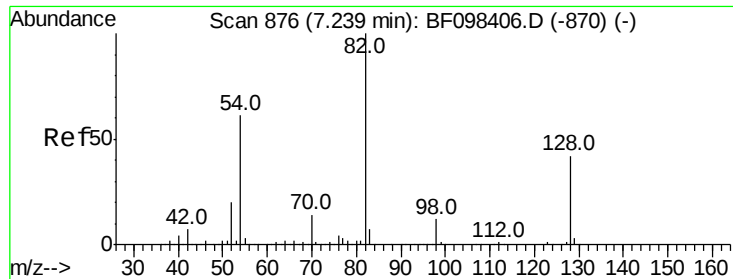
Tgt Ion: 136 Resp: 452141

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	10.9	4.9	7.3#
68	6.7	4.1	6.1#



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): BF0
Ion 68.00 (67.70 to 68.70): BF0

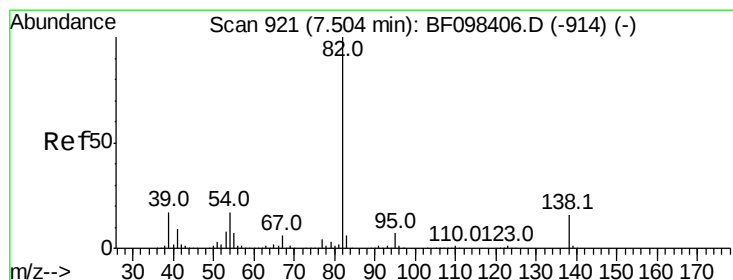
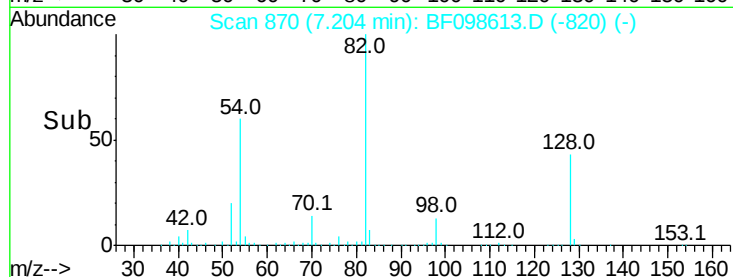
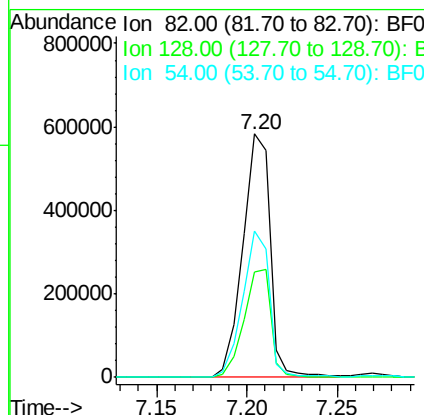
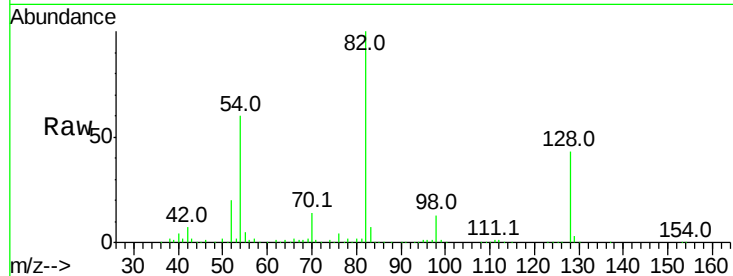




#23
 Nitrobenzene-d5
 Concen: 74.436 ng
 RT: 7.20 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: BF098613.D
 Acq: 18 Sep 2017 20:27

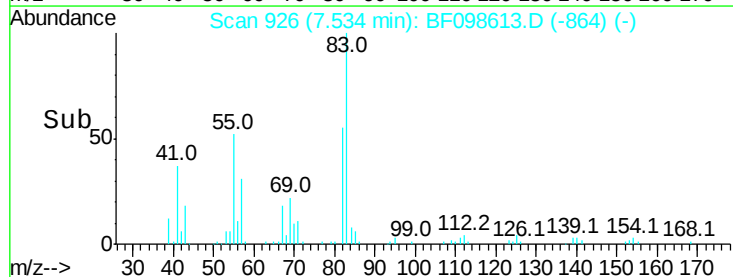
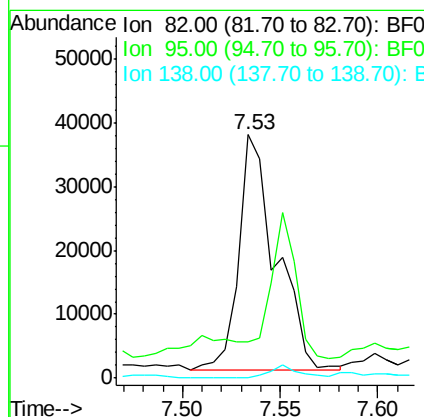
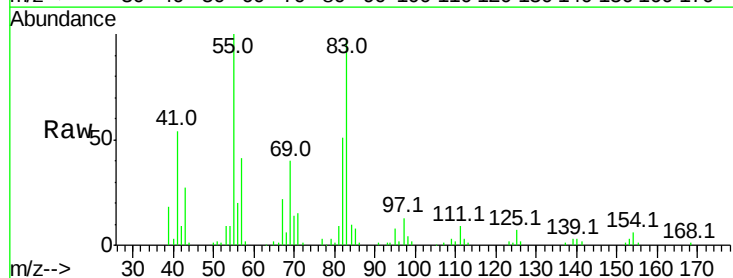
Instrument :
 BNA_F
 ClientSampleId :

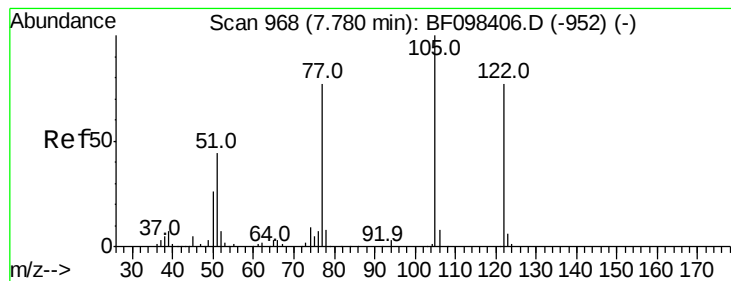
Tot Ion:	82	Resp:	603688
Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.0	51.0
54	59.8	42.2	63.2



#25
 Isophorone
 Concen: 2.950 ng
 RT: 7.53 min Scan# 926
 Delta R.T. 0.06 min
 Lab File: BF098613.D
 Acq: 18 Sep 2017 20:27

Tgt Ion:	82	Resp:	48414
Ion	Ratio	Lower	Upper
82	100		
95	14.6	5.3	7.9#
138	0.0	13.1	19.7#





#32

Benzoic acid

Concen: 8.128 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF098613.D

Acq: 18 Sep 2017 20:27

Instrument :

BNA_F

ClientSampleId :

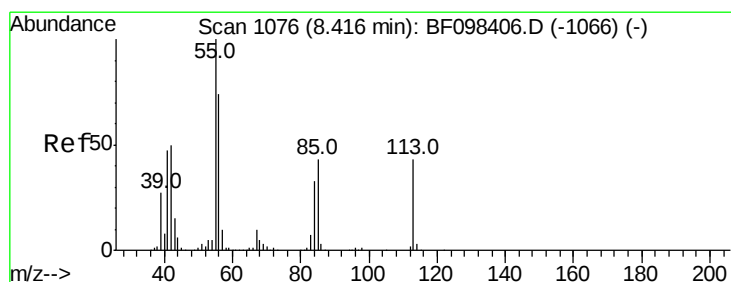
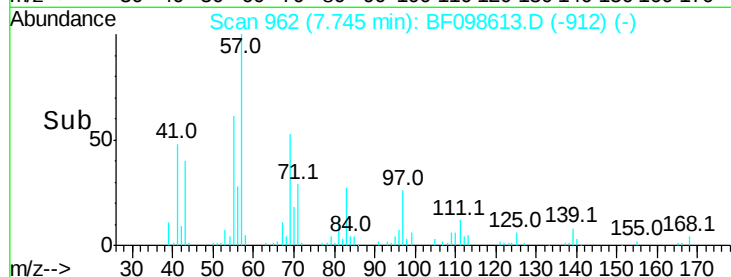
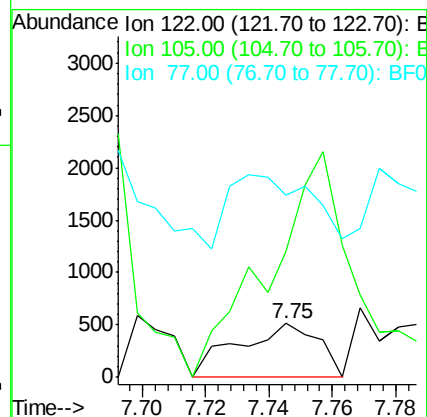
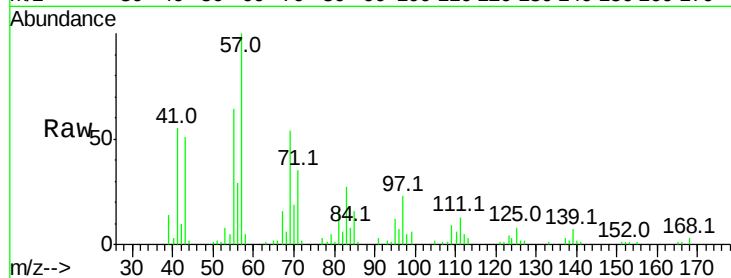
Tot Ion:122 Resp: 906

Ion Ratio Lower Upper

122 100

105 235.3 103.3 143.3#

77 340.2 73.7 113.7#



#35

Caprolactam

Concen: 3.740 ng

RT: 8.38 min Scan# 1070

Delta R.T. 0.00 min

Lab File: BF098613.D

Acq: 18 Sep 2017 20:27

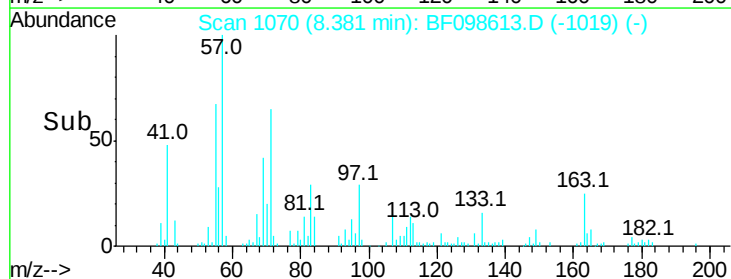
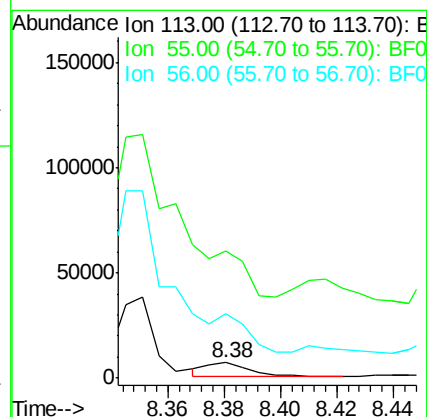
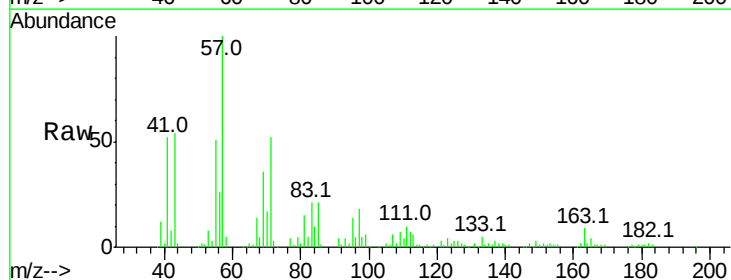
Tgt Ion:113 Resp: 7626

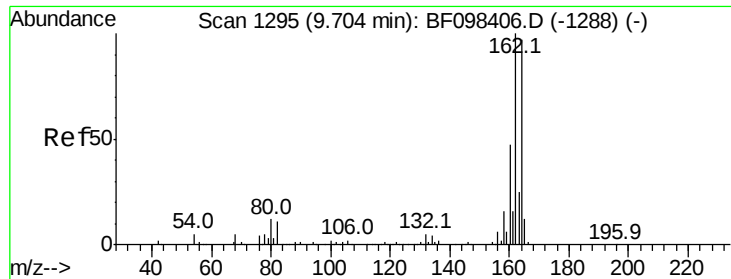
Ion Ratio Lower Upper

113 100

55 827.8 150.2 190.2#

56 419.1 107.8 147.8#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.67 min Scan# 1289

Delta R.T. 0.00 min

Lab File: BF098613.D

Acq: 18 Sep 2017 20:27

Instrument :

BNA_F

ClientSampleId :

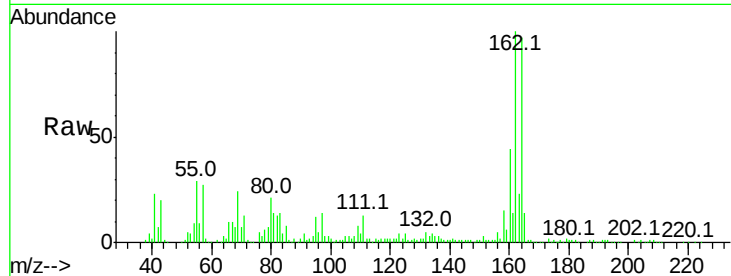
Tot Ion:164 Resp: 190035

Ion Ratio Lower Upper

164 100

162 102.6 82.6 123.8

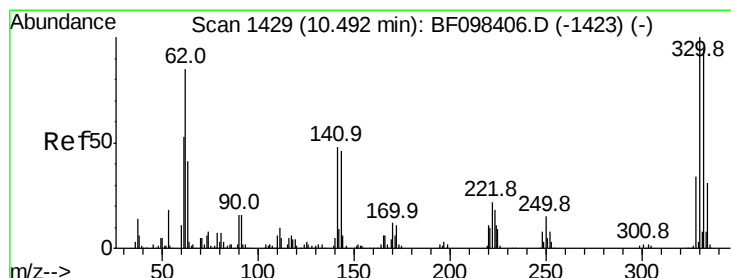
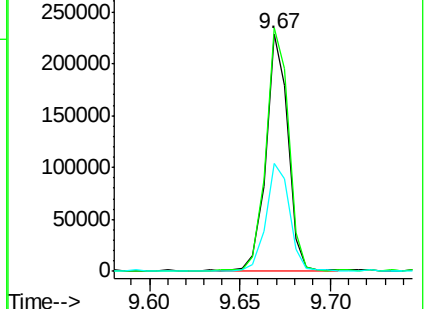
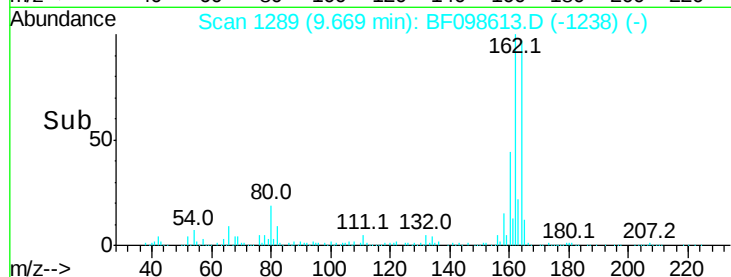
160 45.4 36.2 54.2



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: 121.780 ng

RT: 10.46 min Scan# 1424

Delta R.T. 0.00 min

Lab File: BF098613.D

Acq: 18 Sep 2017 20:27

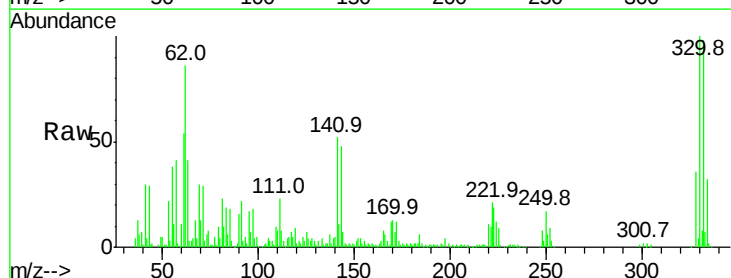
Tgt Ion:330 Resp: 154457

Ion Ratio Lower Upper

330 100

332 96.8 76.6 115.0

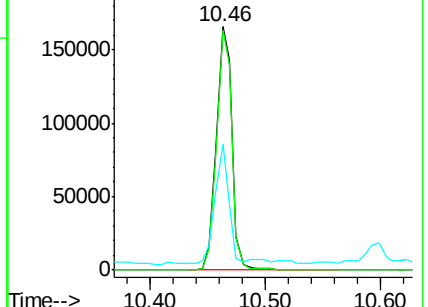
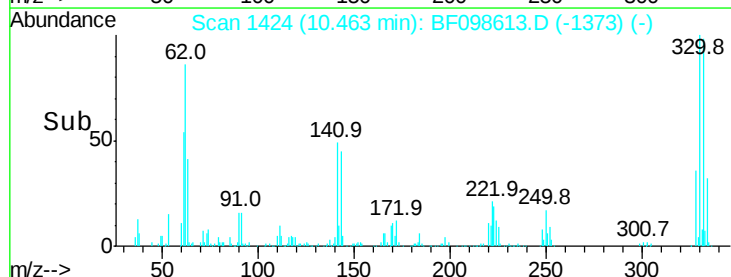
141 43.3 31.4 47.2

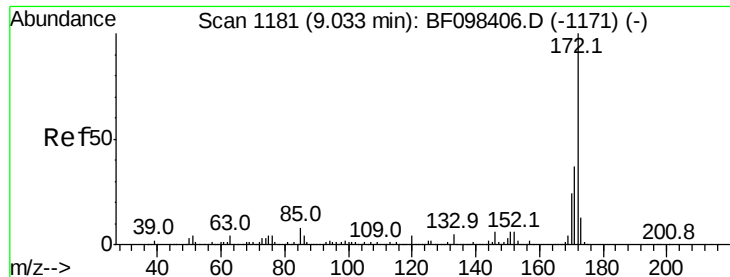


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

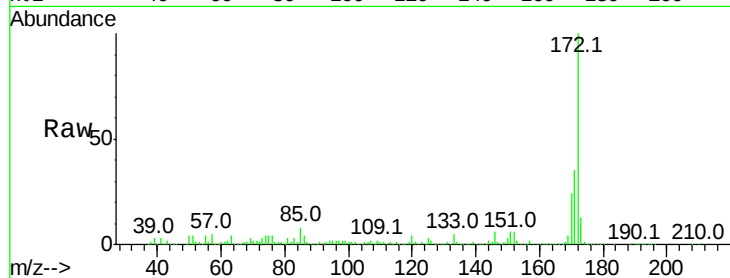




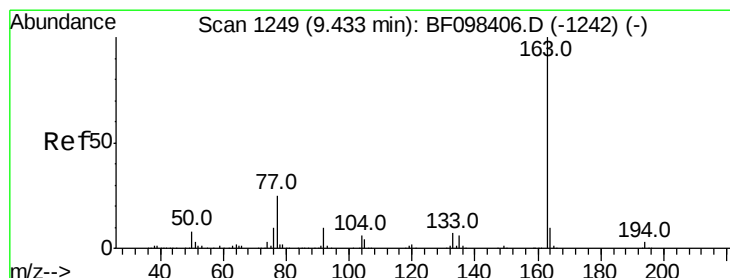
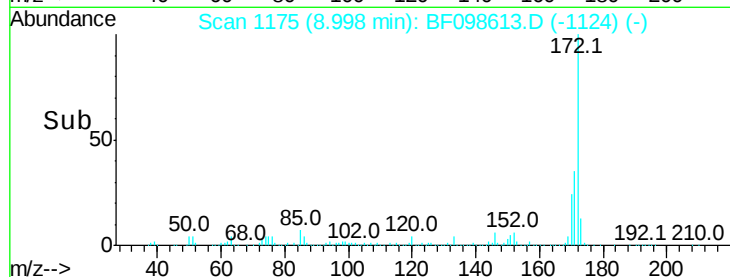
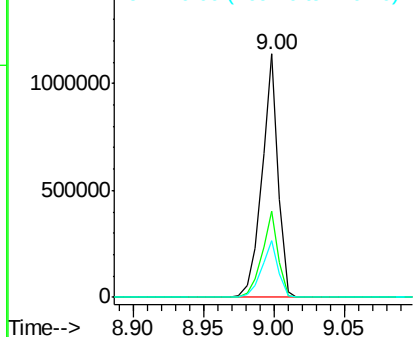
#44
2-Fluorobiphenyl
Concen: 81.910 ng
RT: 9.00 min Scan# 1175
Delta R.T. 0.00 min
Lab File: BF098613.D
Acq: 18 Sep 2017 20:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 918378
Ion Ratio Lower Upper
172 100
171 35.3 29.6 44.4
170 23.5 19.8 29.8

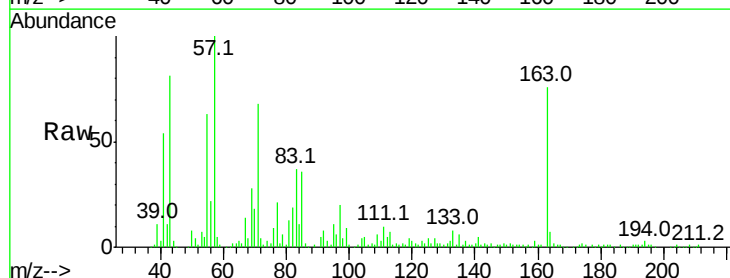


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

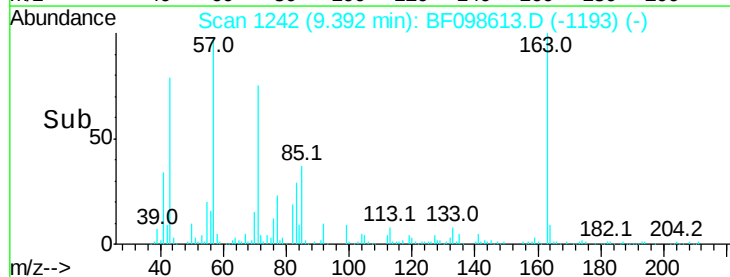
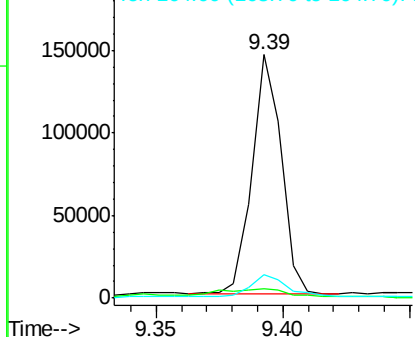


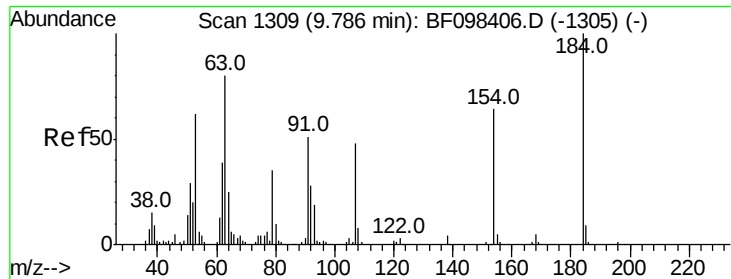
#49
Dimethylphthalate
Concen: 7.966 ng
RT: 9.39 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BF098613.D
Acq: 18 Sep 2017 20:27

Tgt Ion:163 Resp: 117189
Ion Ratio Lower Upper
163 100
194 3.9 2.6 4.0
164 9.6 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





#53

2,4-Dinitrophenol

Concen: 8.614 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF098613.D

Acq: 18 Sep 2017 20:27

Instrument :

BNA_F

ClientSampleId :

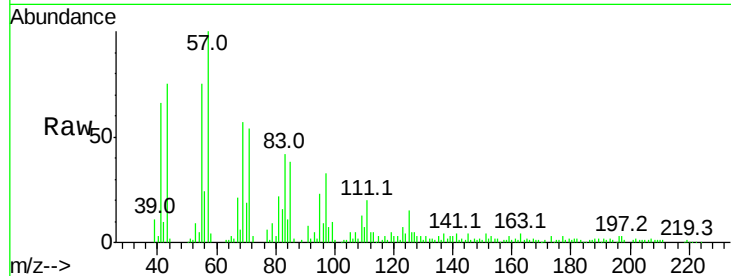
Tot Ion:184 Resp: 143

Ion Ratio Lower Upper

184 100

63 225.4 62.7 94.1#

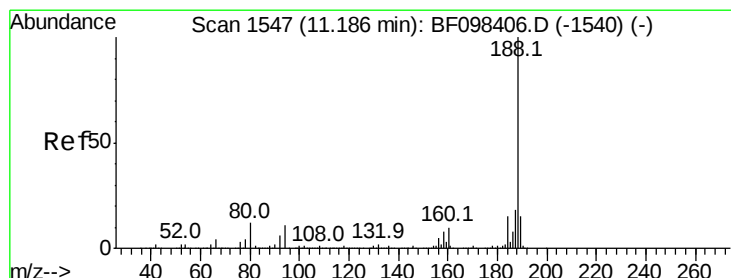
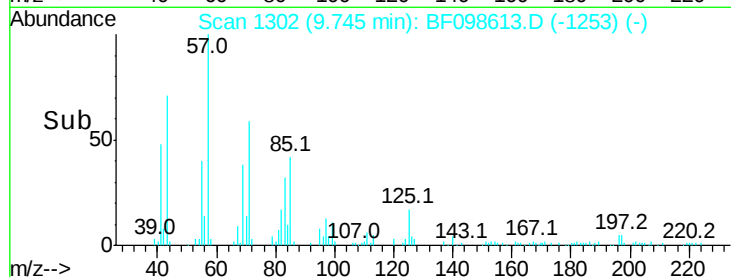
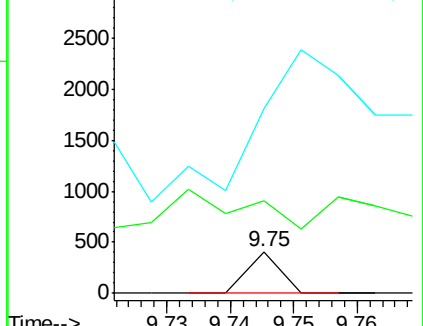
154 448.6 81.1 121.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.15 min Scan# 1541

Delta R.T. 0.00 min

Lab File: BF098613.D

Acq: 18 Sep 2017 20:27

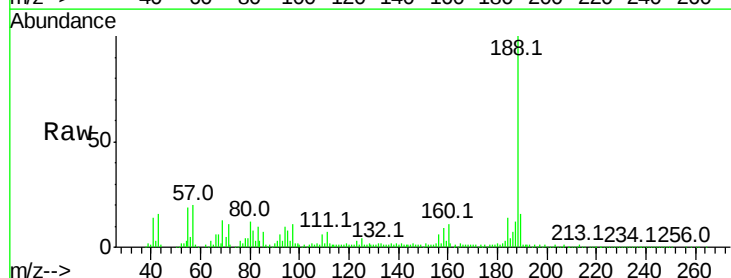
Tgt Ion:188 Resp: 293616

Ion Ratio Lower Upper

188 100

94 10.4 9.4 14.2

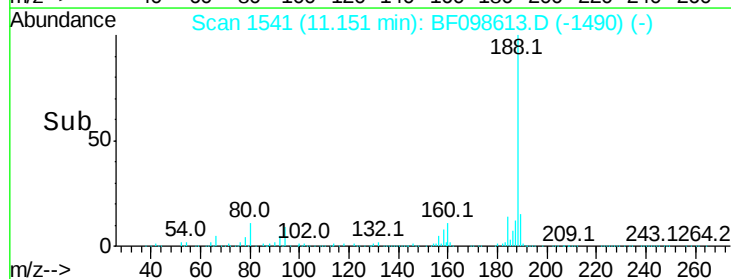
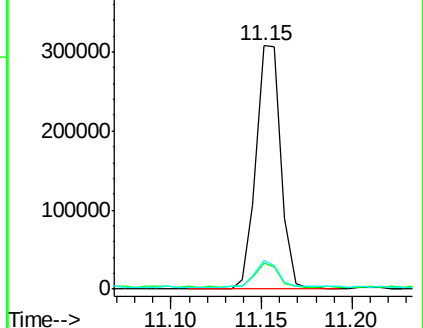
80 11.7 10.2 15.2

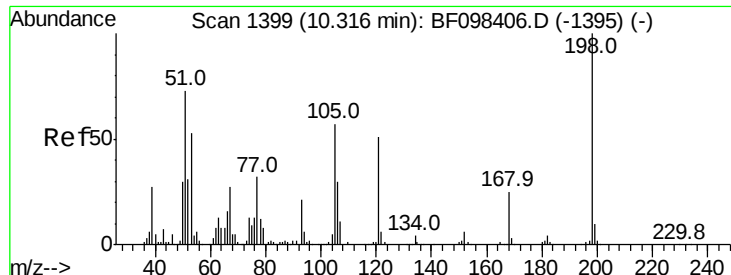


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

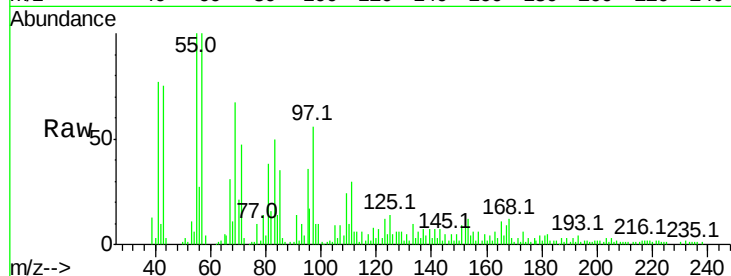




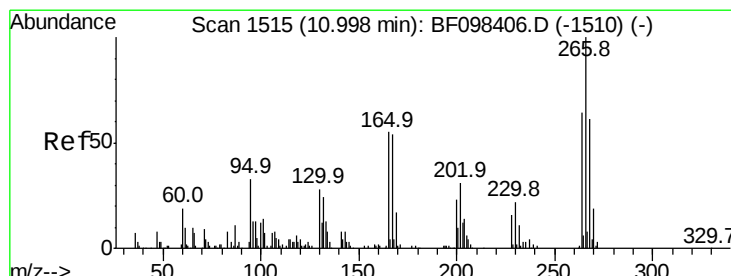
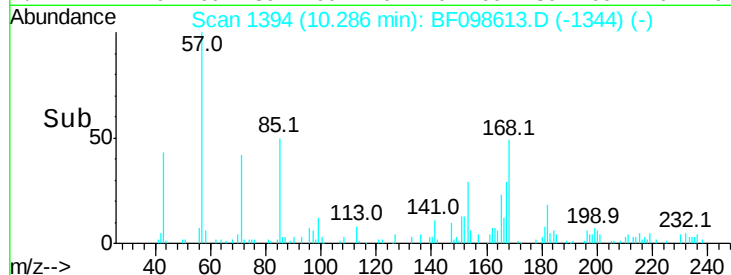
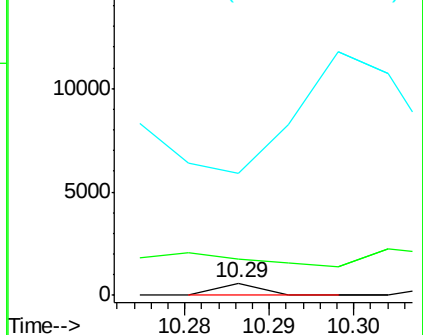
#64
4,6-Dinitro-2-methylphenol
Concen: 5.069 ng
RT: 10.29 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BF098613.D
Acq: 18 Sep 2017 20:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 210
Ion Ratio Lower Upper
198 100
51 289.9 53.2 93.2#
105 990.2 45.8 85.8#

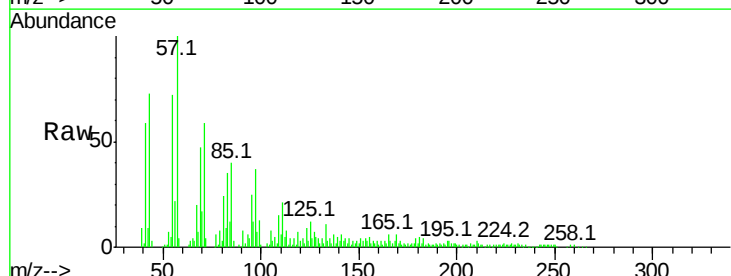


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

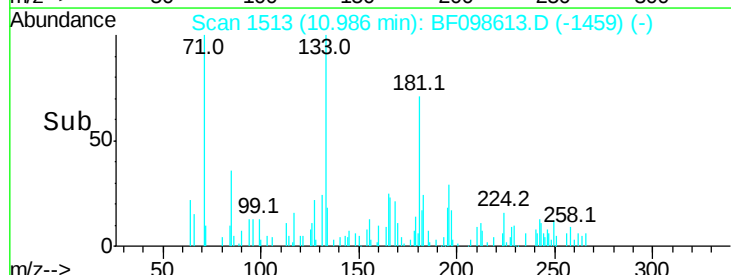
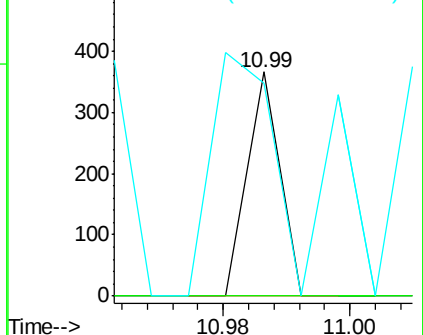


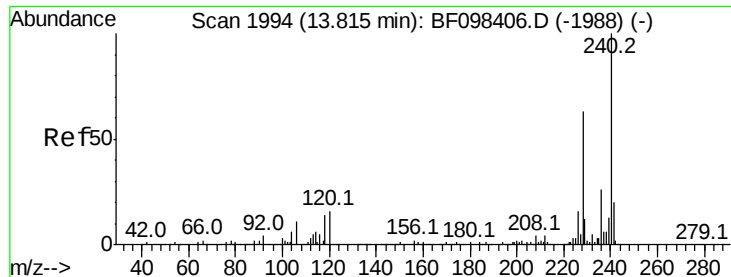
#69
Pentachlorophenol
Concen: 7.033 ng
RT: 10.99 min Scan# 1513
Delta R.T. 0.02 min
Lab File: BF098613.D
Acq: 18 Sep 2017 20:27

Tgt Ion:266 Resp: 129
Ion Ratio Lower Upper
266 100
268 0.0 51.1 76.7#
264 95.1 51.7 77.5#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.79 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BF098613.D

Acq: 18 Sep 2017 20:27

Instrument :

BNA_F

ClientSampleId :

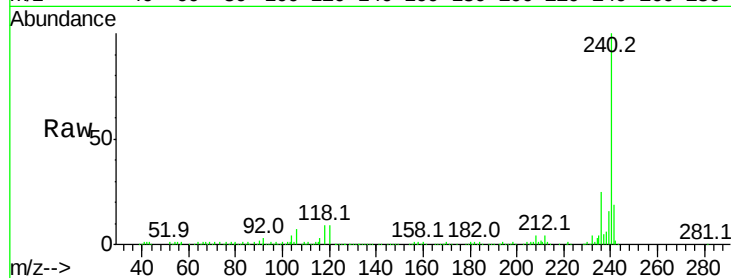
Tot Ion:240 Resp: 208917

Ion Ratio Lower Upper

240 100

120 9.4 5.8 8.8#

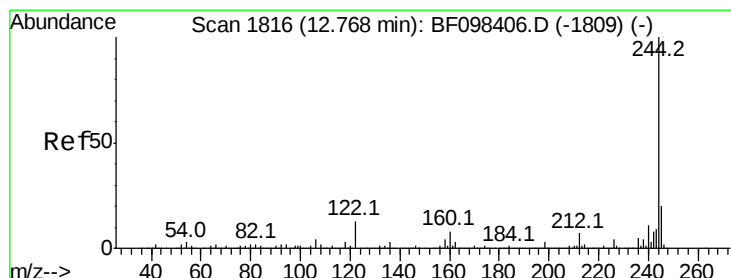
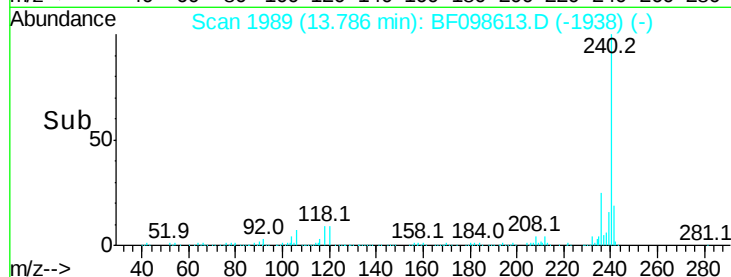
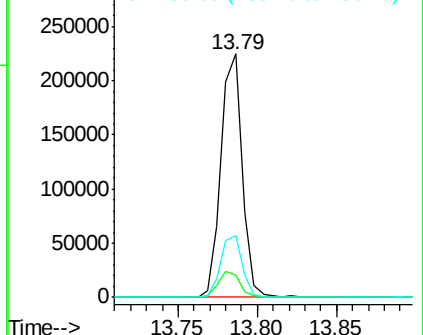
236 25.3 20.5 30.7



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: 63.434 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.00 min

Lab File: BF098613.D

Acq: 18 Sep 2017 20:27

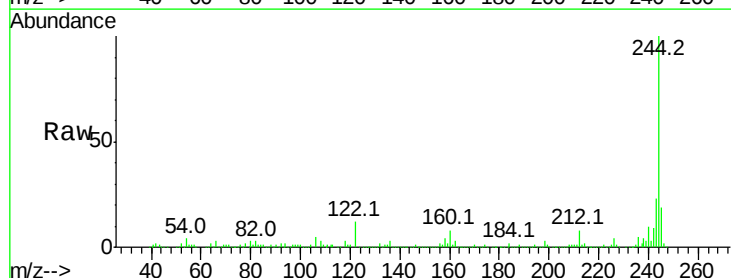
Tgt Ion:244 Resp: 613975

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

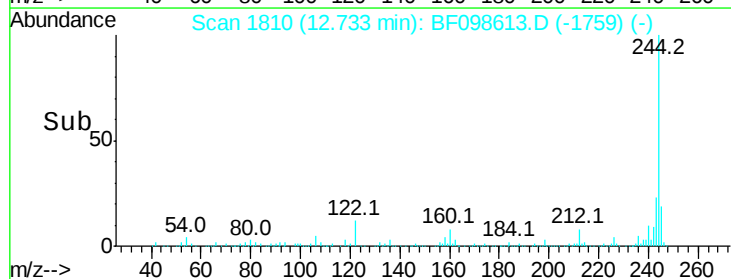
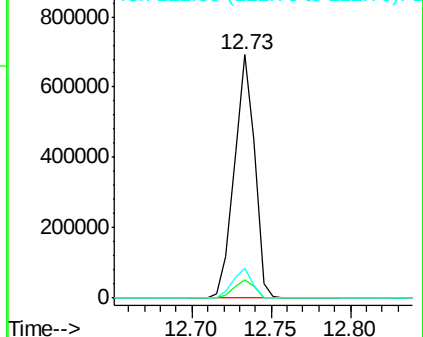
122 12.5 10.3 15.5

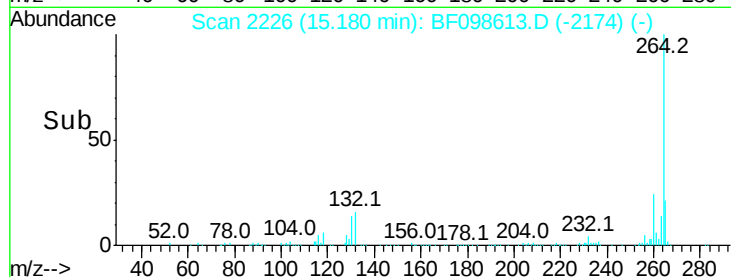
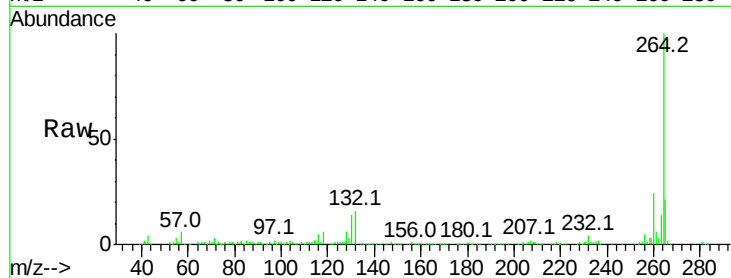
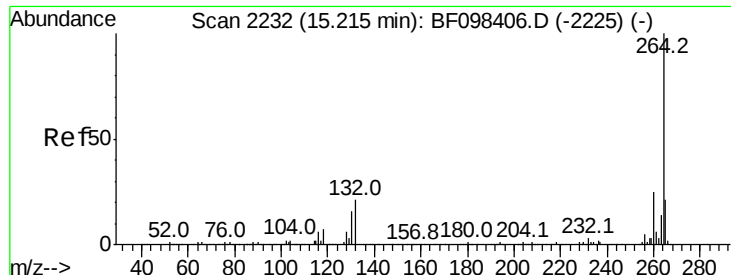


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.18 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BF098613.D

Acq: 18 Sep 2017 20:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 187873

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 21.1 17.2 25.8

