

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
 Data File : BF098975.D
 Acq On : 30 Sep 2017 21:02
 Operator : SJ/JU
 Sample : I5551-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 30 23:29:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

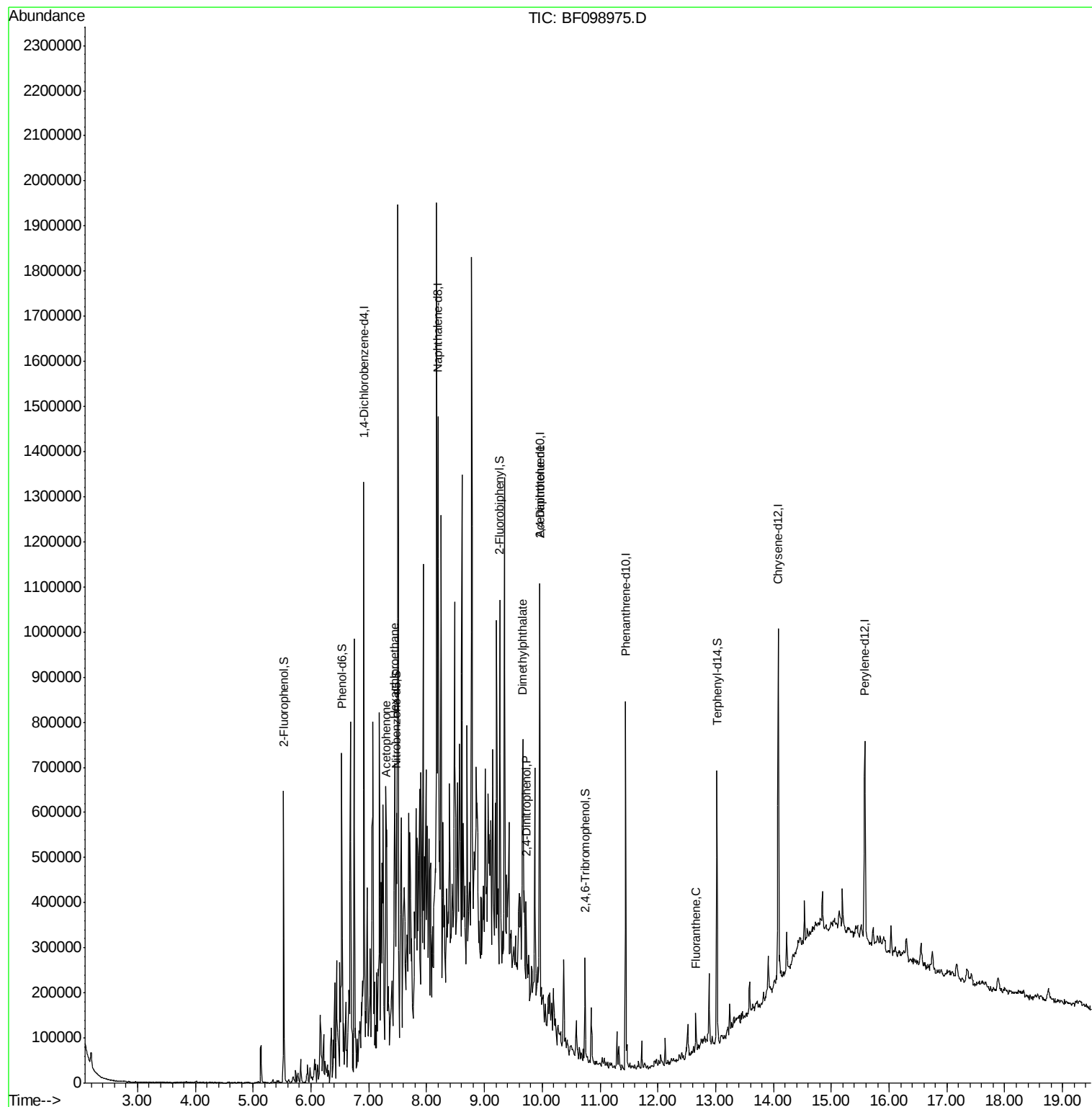
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	126797	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	477192	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	182008	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	273549	20.00	ng	0.00
75) Chrysene-d12	14.08	240	250863	20.00	ng	0.00
86) Perylene-d12	15.58	264	172280	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	170012	21.34	ng	-0.01
7) Phenol-d6	6.53	99	206229	20.99	ng	-0.01
23) Nitrobenzene-d5	7.47	82	115678	15.55	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	22215	14.92	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	220276	20.20	ng	-0.01
78) Terphenyl-d14	13.02	244	158264	14.35	ng	-0.01
Target Compounds						
18) Hexachloroethane	7.45	117	19365	5.605	ng	# 1
22) Acetophenone	7.30	105	94580	8.181	ng	# 58
49) Dimethylphthalate	9.66	163	30569	2.225	ng	# 96
53) 2,4-Dinitrophenol	9.73	184	109	5.893	ng	# 1
56) 2,4-Dinitrotoluene	9.96	165	25220	6.498	ng	# 24
74) Fluoranthene	12.66	202	31709	2.139	ng	97

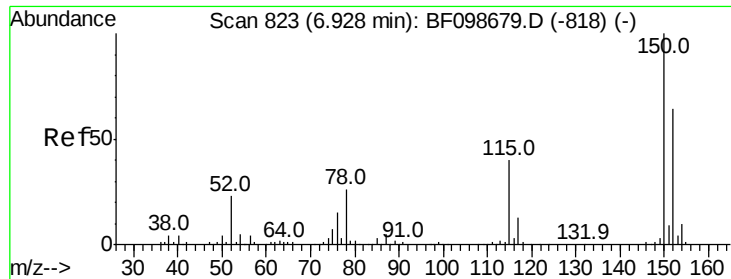
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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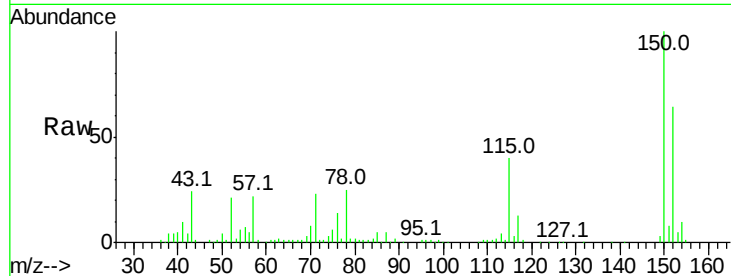


#1

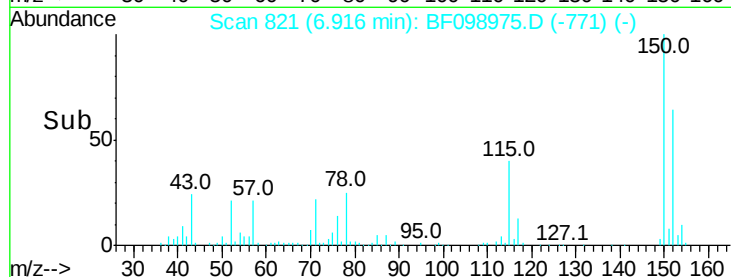
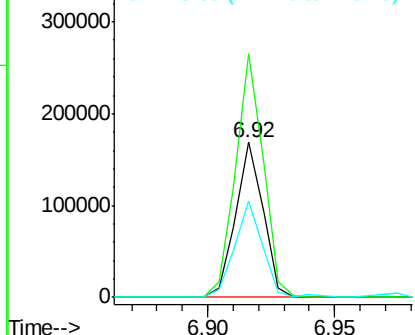
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098975.D
Acq: 30 Sep 2017 21:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	62.4	50.1	75.1



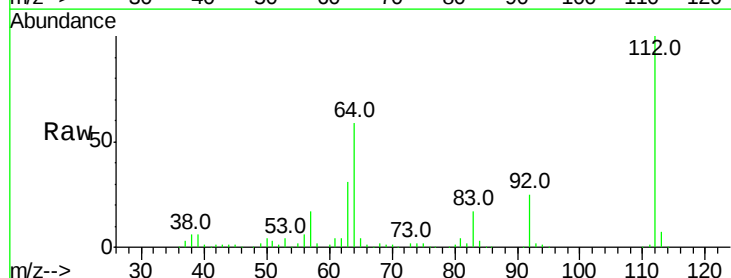
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



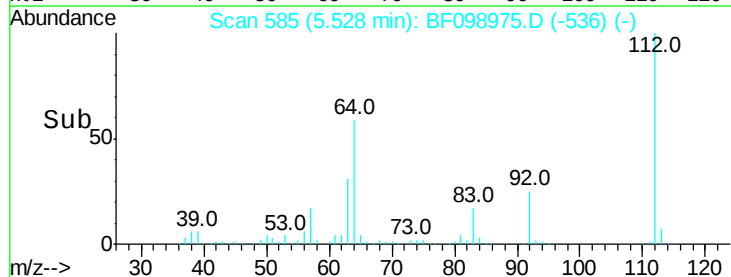
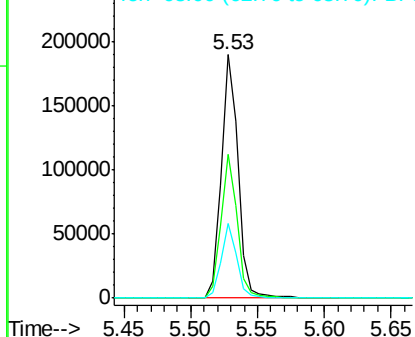
#5

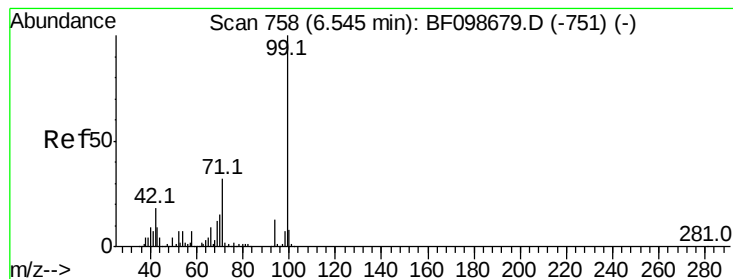
2-Fluorophenol
Concen: 21.345 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098975.D
Acq: 30 Sep 2017 21:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.9	71.9
63	30.5	23.7	35.5



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: 20.988 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098975.D

Acq: 30 Sep 2017 21:02

Instrument :

BNA_F

ClientSampleId :

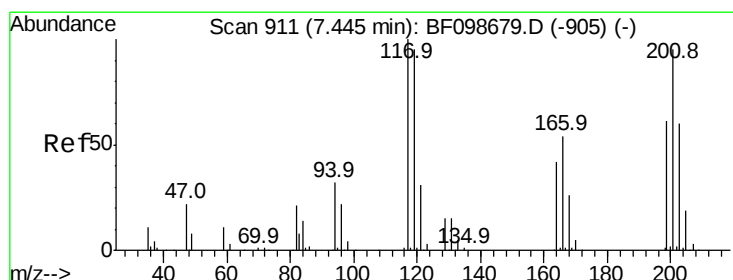
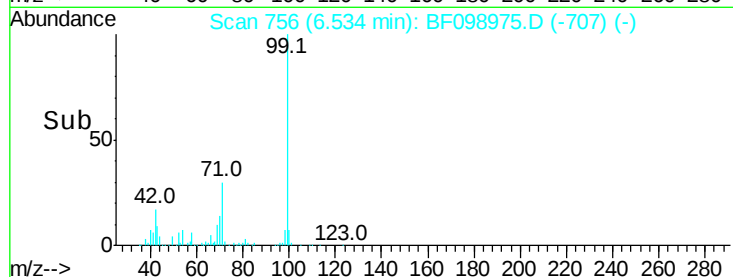
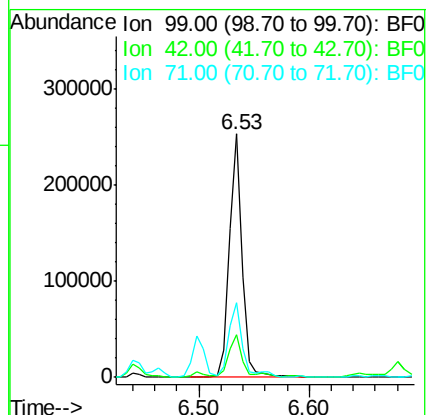
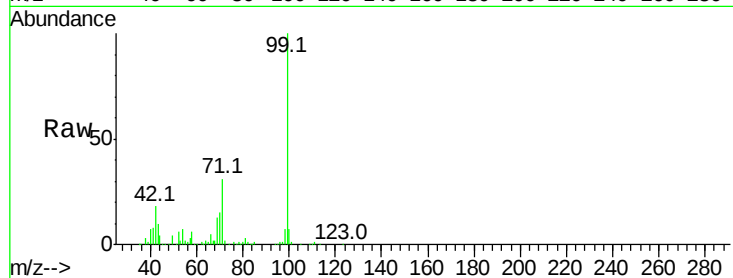
Tot Ion: 99 Resp: 206229

Ion Ratio Lower Upper

99 100

42 17.7 14.5 21.7

71 30.7 25.4 38.0



#18

Hexachloroethane

Concen: 5.605 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.01 min

Lab File: BF098975.D

Acq: 30 Sep 2017 21:02

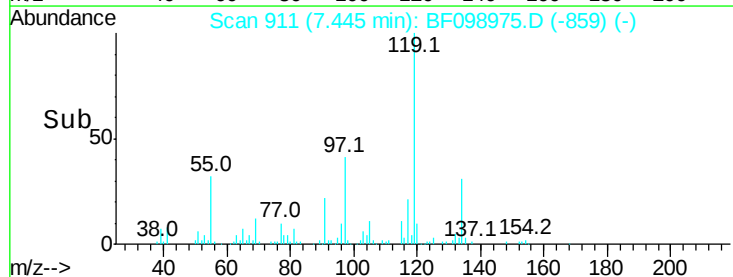
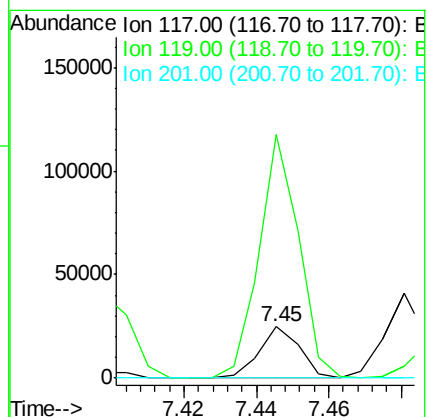
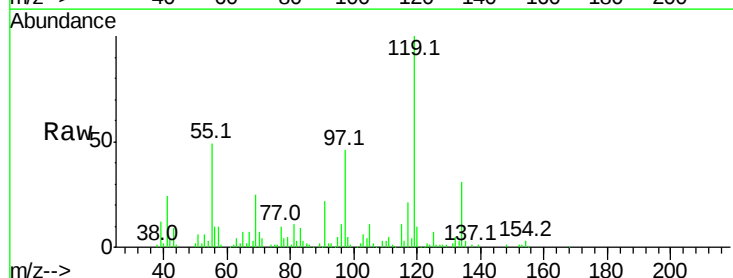
Tgt Ion: 117 Resp: 19365

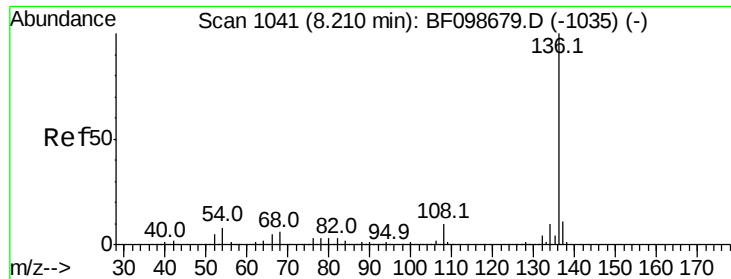
Ion Ratio Lower Upper

117 100

119 475.6 75.8 113.8#

201 0.0 75.7 113.5#

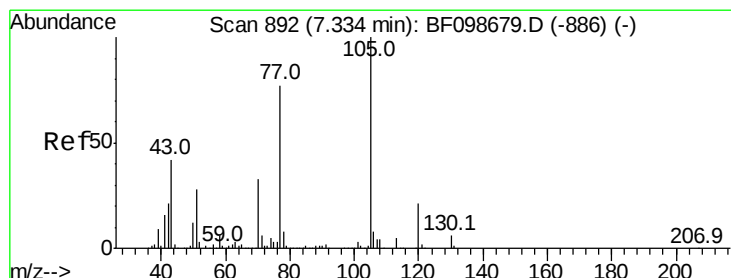
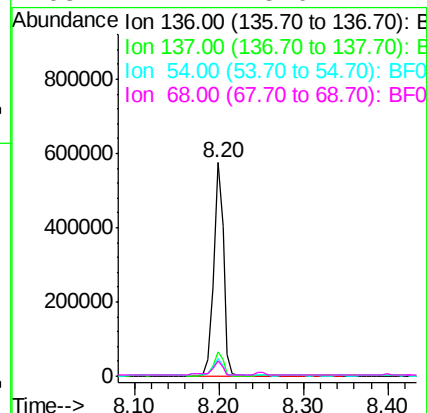
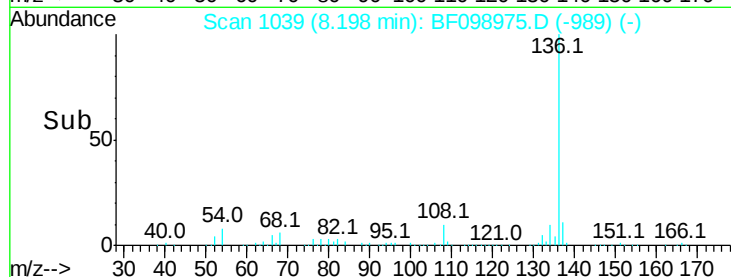
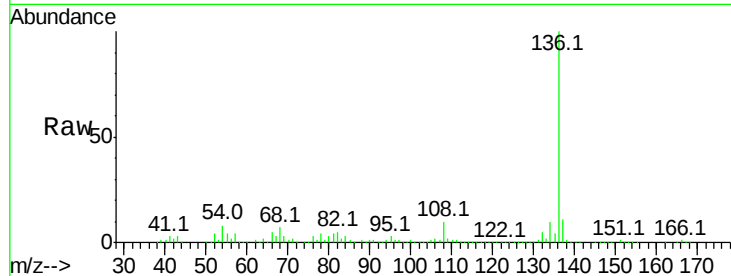




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098975.D
Acq: 30 Sep 2017 21:02

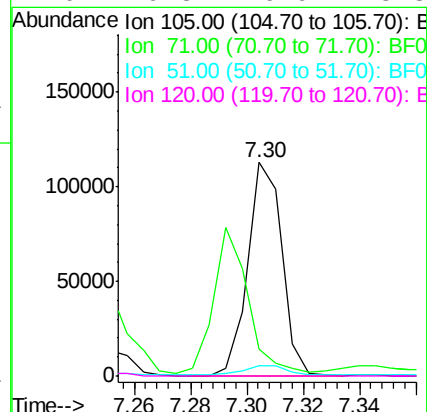
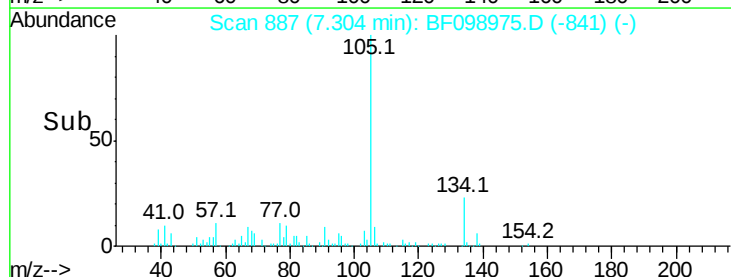
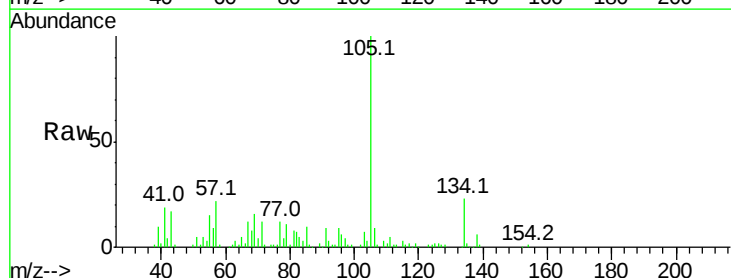
Instrument :
BNA_F
ClientSampleId :

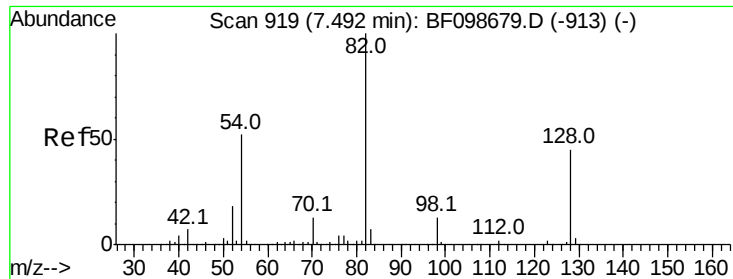
Tot Ion:136	Resp:	477192
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	8.5	6.6 9.8
68	7.1	5.0 7.4



#22
Acetophenone
Concen: 8.181 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.03 min
Lab File: BF098975.D
Acq: 30 Sep 2017 21:02

Tgt Ion:105	Resp:	94580
Ion Ratio	Lower	Upper
105	100	
71	12.4	4.4 6.6#
51	4.7	22.3 33.5#
120	0.3	16.9 25.3#

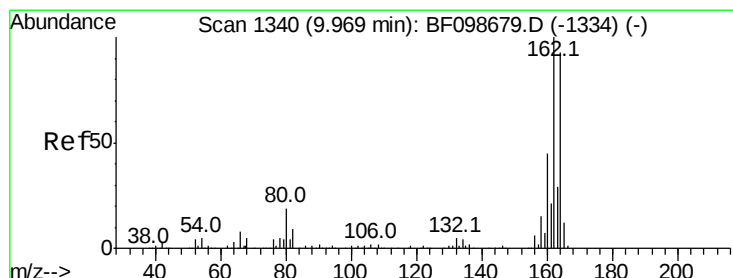
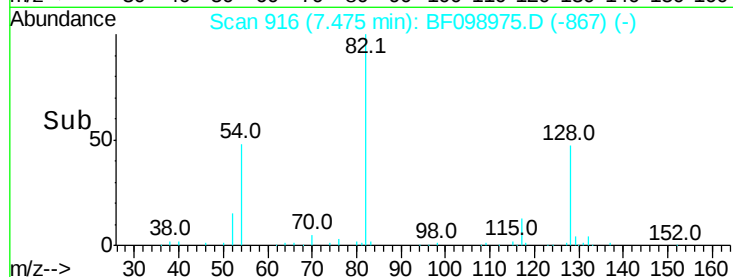
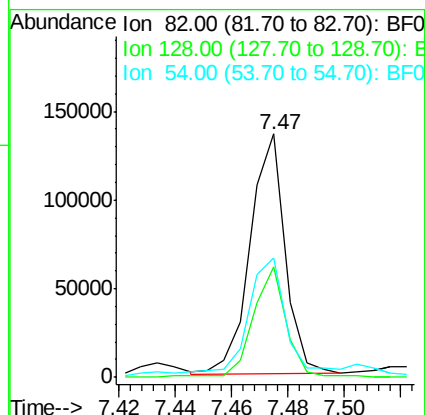
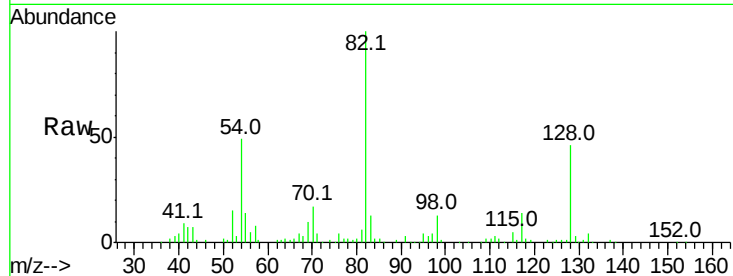




#23
Nitrobenzene-d5
Concen: 15.546 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098975.D
Acq: 30 Sep 2017 21:02

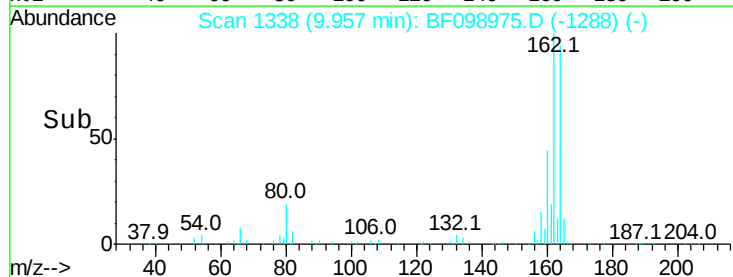
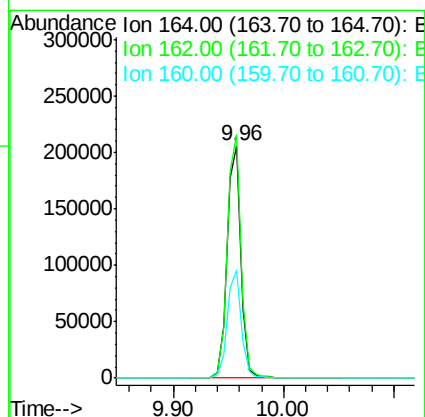
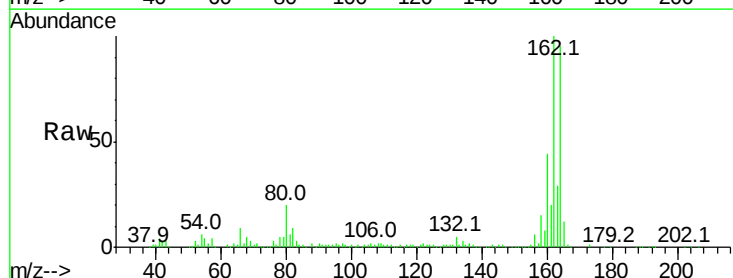
Instrument :
BNA_F
ClientSampleId :

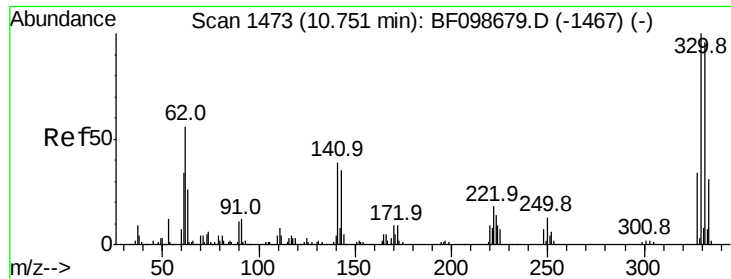
Tot Ion: 82 Resp: 115678
Ion Ratio Lower Upper
82 100
128 45.6 36.1 54.1
54 49.1 41.4 62.2



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF098975.D
Acq: 30 Sep 2017 21:02

Tgt Ion: 164 Resp: 182008
Ion Ratio Lower Upper
164 100
162 104.8 86.1 129.1
160 46.5 38.3 57.5

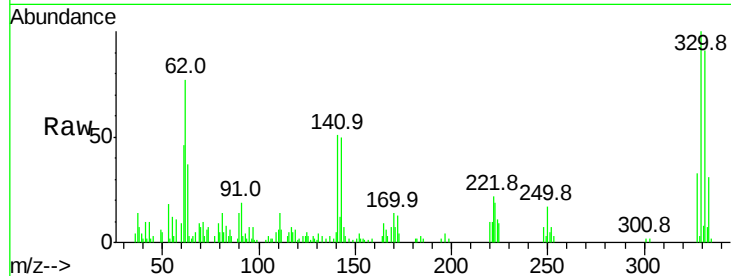




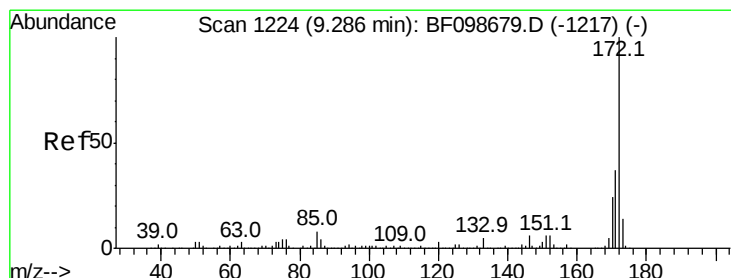
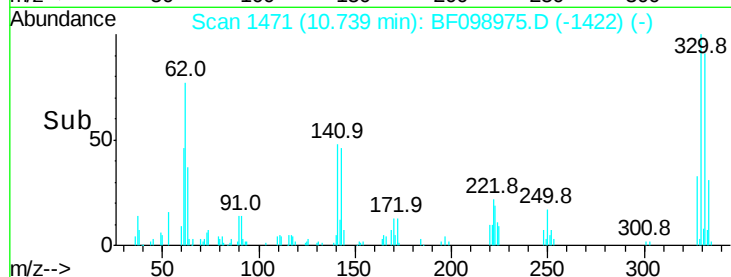
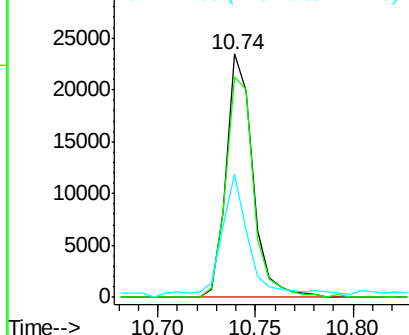
#41
 2,4,6-Tribromophenol
 Concen: 14.916 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098975.D
 Acq: 30 Sep 2017 21:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 22215
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 56.4 29.9 44.9#

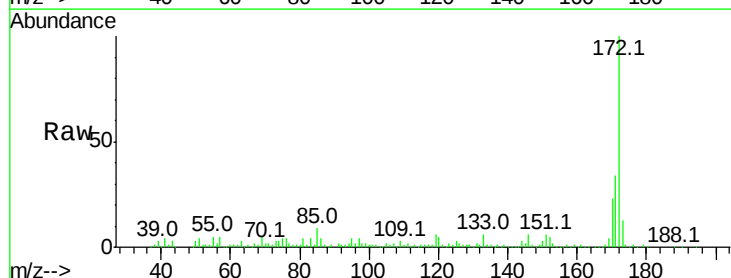


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

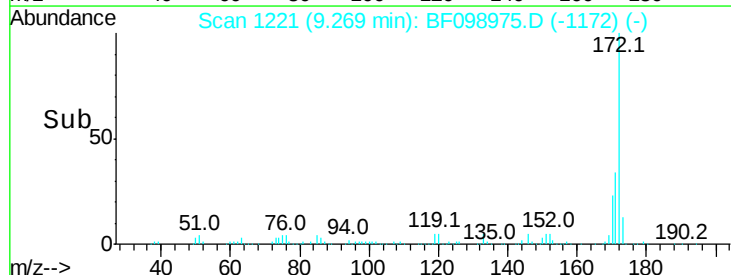
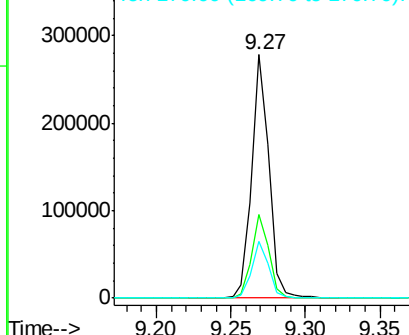


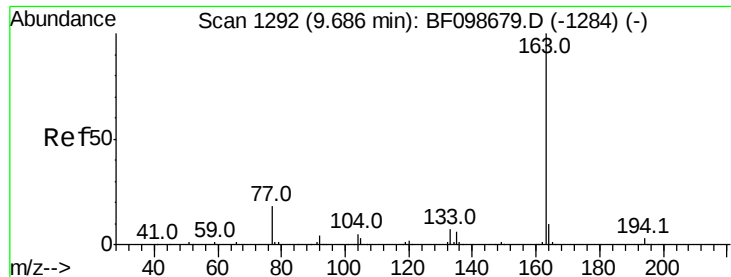
#44
 2-Fluorobiphenyl
 Concen: 20.204 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098975.D
 Acq: 30 Sep 2017 21:02

Tgt Ion:172 Resp: 220276
 Ion Ratio Lower Upper
 172 100
 171 34.1 29.7 44.5
 170 23.2 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: 2.225 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF098975.D

Acq: 30 Sep 2017 21:02

Instrument :

BNA_F

ClientSampled :

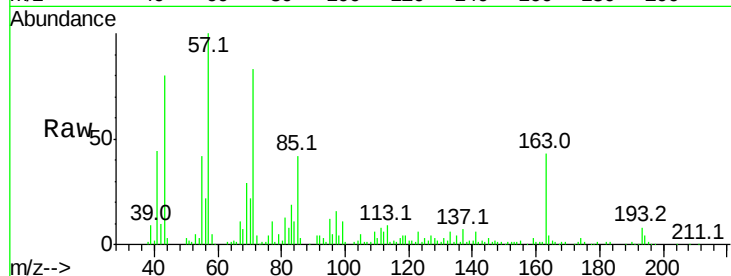
Tot Ion:163 Resp: 30569

Ion Ratio Lower Upper

163 100

194 8.2 2.7 4.1#

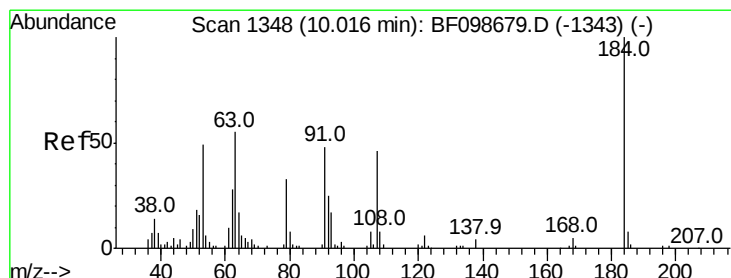
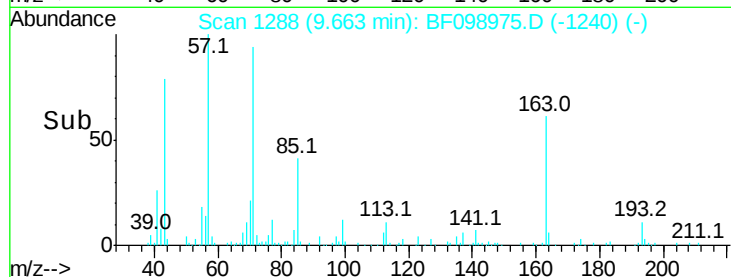
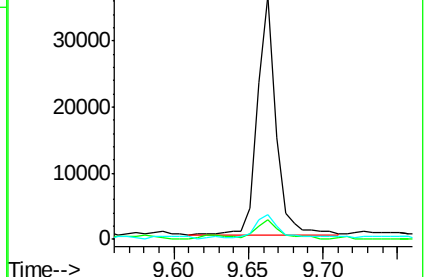
164 10.3 8.2 12.2



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



#53

2,4-Dinitrophenol

Concen: 5.893 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.28 min

Lab File: BF098975.D

Acq: 30 Sep 2017 21:02

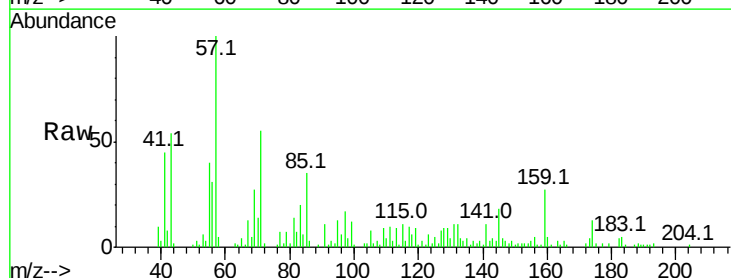
Tgt Ion:184 Resp: 109

Ion Ratio Lower Upper

184 100

63 261.9 54.2 81.2#

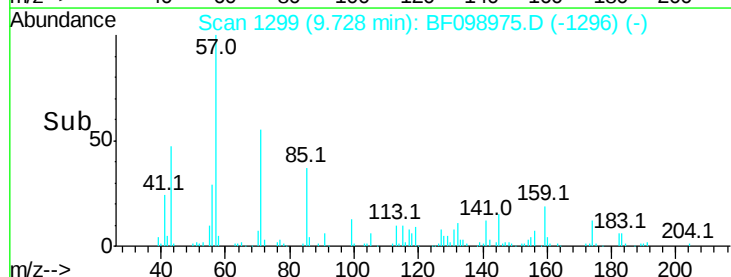
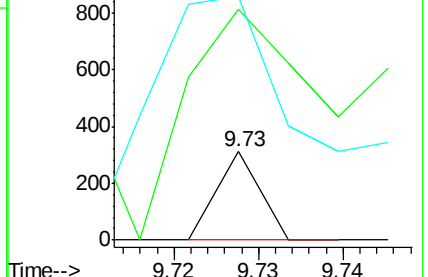
154 276.5 53.5 80.3#



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

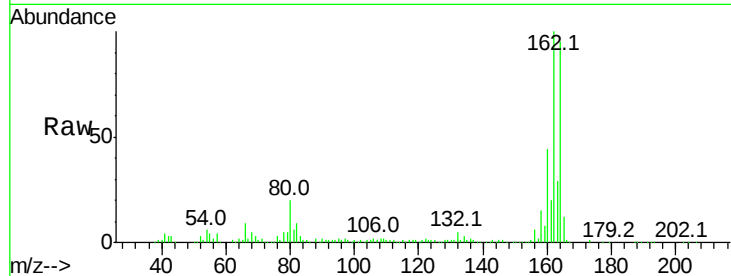




#56
 2,4-Dinitrotoluene
 Concen: 6.498 ng
 RT: 9.96 min Scan# 1338
 Delta R.T. -0.19 min
 Lab File: BF098975.D
 Acq: 30 Sep 2017 21:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	2.4	57.8	86.6#
182	0.0	1.6	2.4#

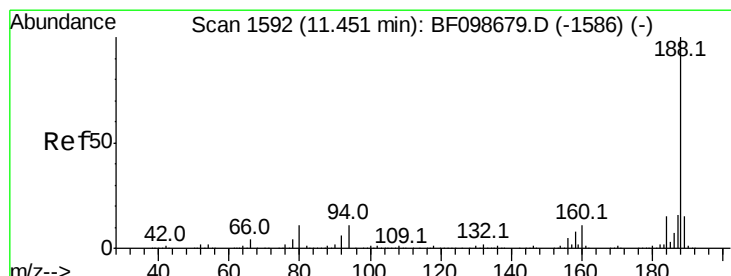
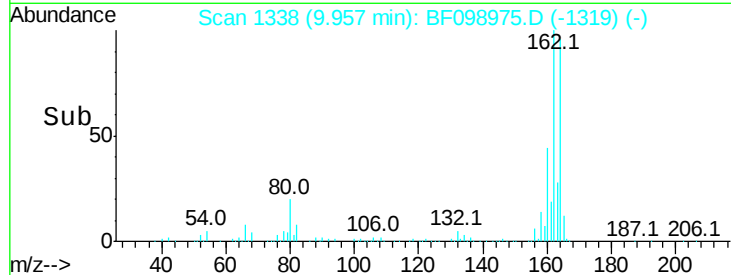
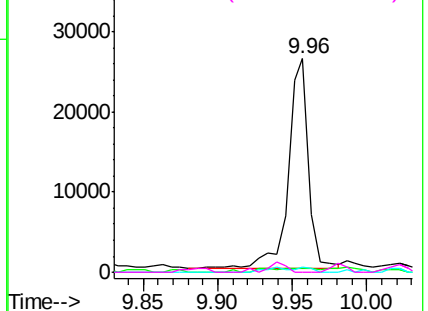


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

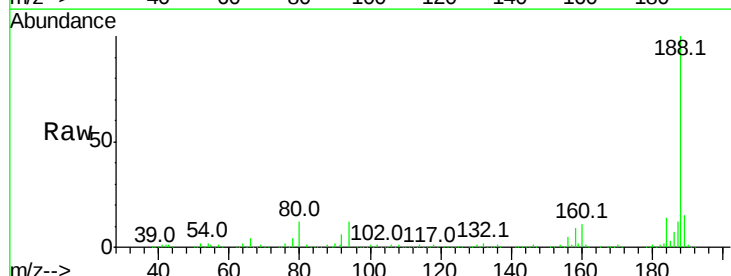
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098975.D
 Acq: 30 Sep 2017 21:02

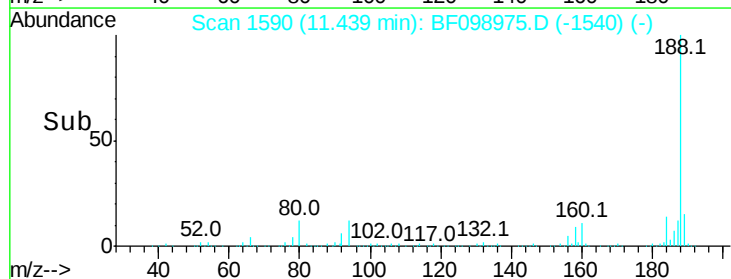
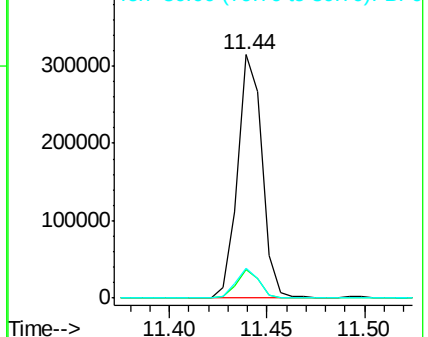
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	8.5	12.7
80	12.3	9.2	13.8

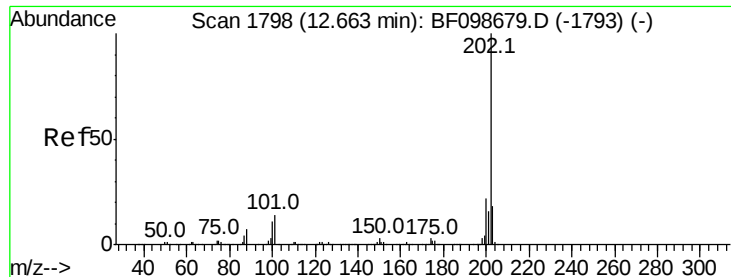


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.139 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF098975.D

Acq: 30 Sep 2017 21:02

Instrument :

BNA_F

ClientSampleId :

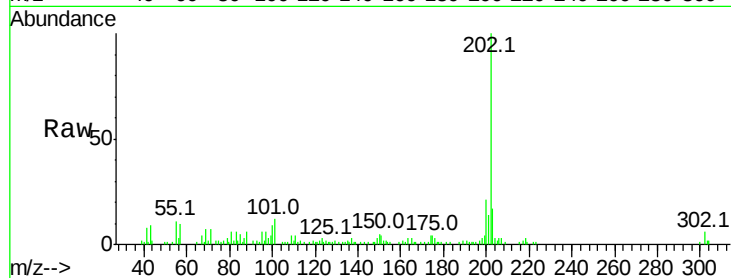
Tot Ion:202 Resp: 31709

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.1

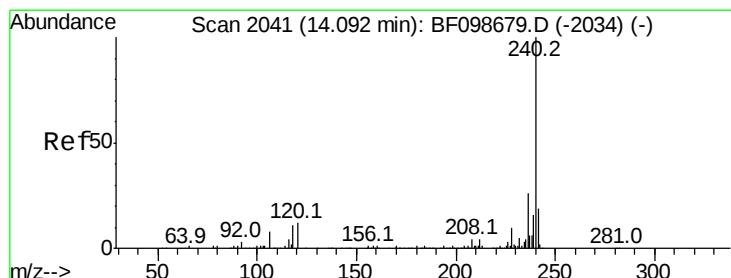
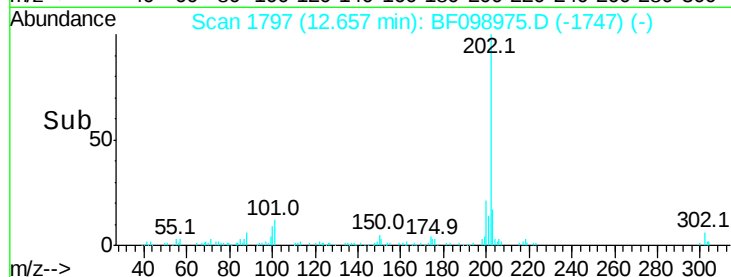
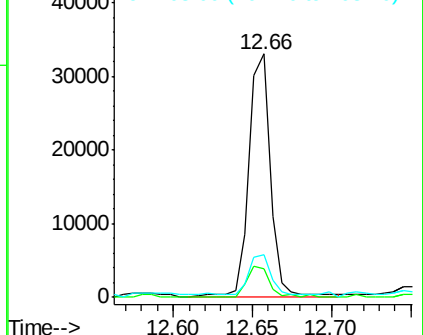
203 17.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098975.D

Acq: 30 Sep 2017 21:02

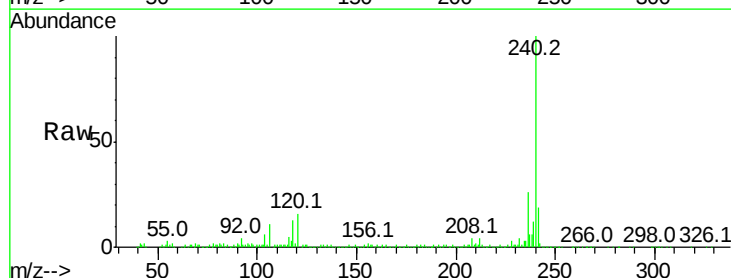
Tgt Ion:240 Resp: 250863

Ion Ratio Lower Upper

240 100

120 16.0 9.5 14.3#

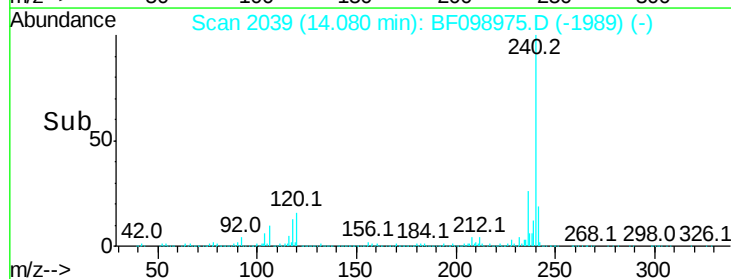
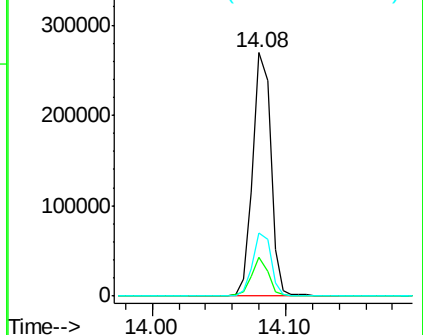
236 26.1 20.7 31.1

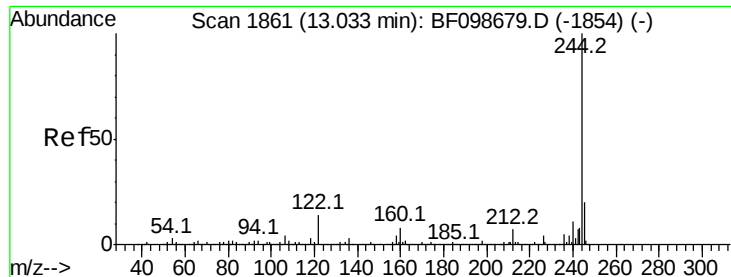


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 14.347 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098975.D

Acq: 30 Sep 2017 21:02

Instrument :

BNA_F

ClientSampleId :

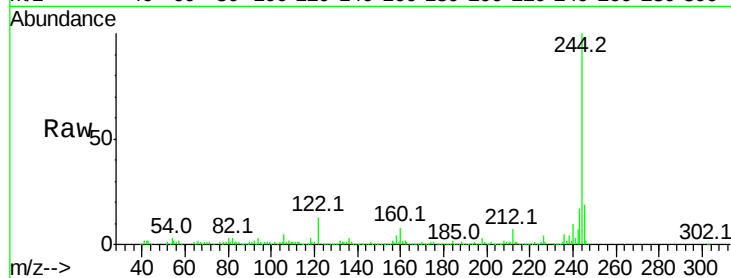
Tot Ion:244 Resp: 158264

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

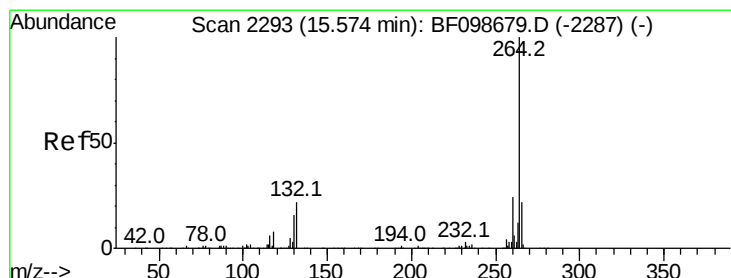
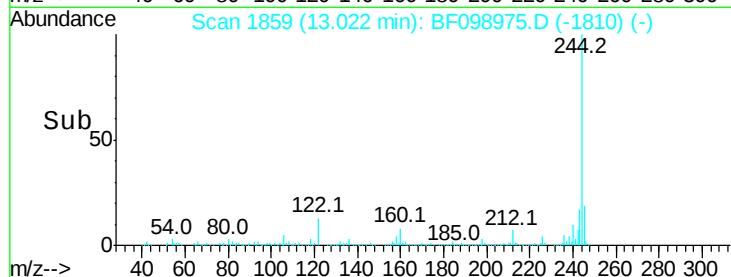
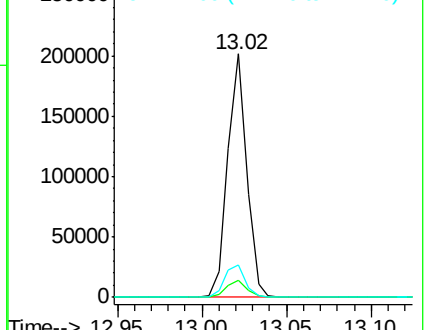
122 13.4 11.0 16.4



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: 15.58 min Scan# 2294

Delta R.T. 0.01 min

Lab File: BF098975.D

Acq: 30 Sep 2017 21:02

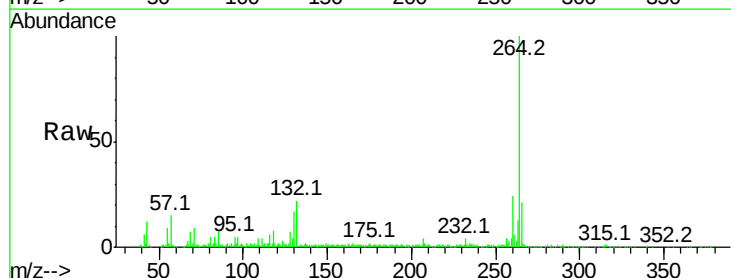
Tgt Ion:264 Resp: 172280

Ion Ratio Lower Upper

264 100

260 24.4 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

