

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070317\
 Data File : BF096442.D
 Acq On : 3 Jul 2017 15:42
 Operator : SJ/MA
 Sample : I3882-11RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 04 01:12:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

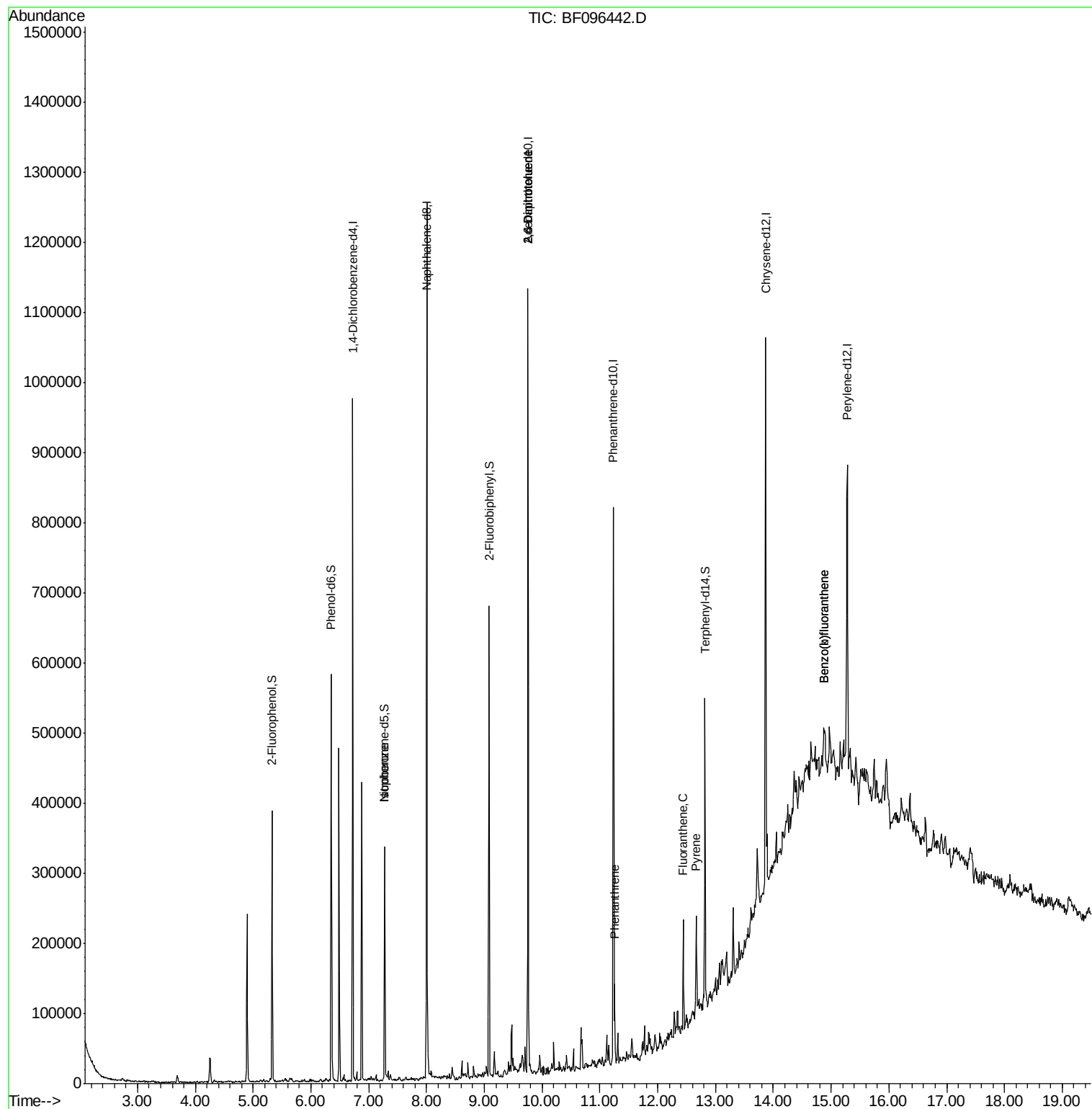
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	129905	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	529374	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	198432	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	289682	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	264634	20.00	ng	-0.01
86) Perylene-d12	15.28	264	189703	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	98345	11.17	ng	-0.02
7) Phenol-d6	6.35	99	166749	15.41	ng	-0.02
23) Nitrobenzene-d5	7.27	82	90736	10.30	ng	-0.03
41) 2,4,6-Tribromophenol	10.54	330	2336	1.51	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	184569	15.90	ng	-0.02
78) Terphenyl-d14	12.82	244	120288	9.71	ng	-0.02
Target Compounds						
25) Isophorone	7.27	82	90529	5.30	ng	# 67
50) 2,6-Dinitrotoluene	9.76	165	25557	7.80	ng	# 34
56) 2,4-Dinitrotoluene	9.76	165	25557	6.16	ng	# 33
70) Phenanthrene	11.26	178	36003	2.30	ng	99
74) Fluoranthene	12.44	202	55459	3.61	ng	98
77) Pyrene	12.67	202	53595	2.52	ng	97
87) Benzo(b)fluoranthene	14.87	252	34545	2.91	ng	# 74
88) Benzo(k)fluoranthene	14.87	252	34545	3.25	ng	# 77

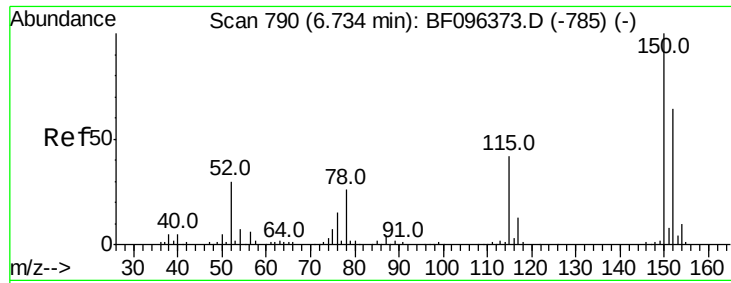
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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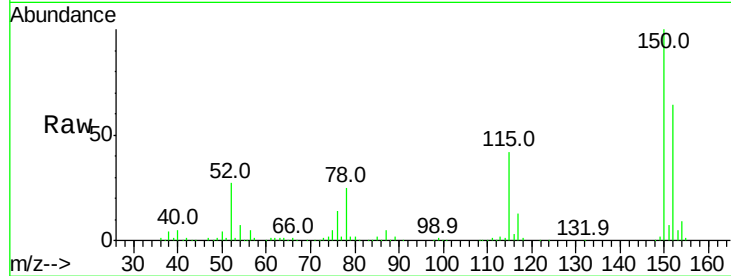


#1

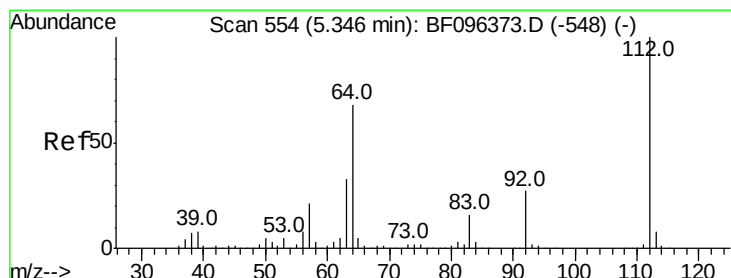
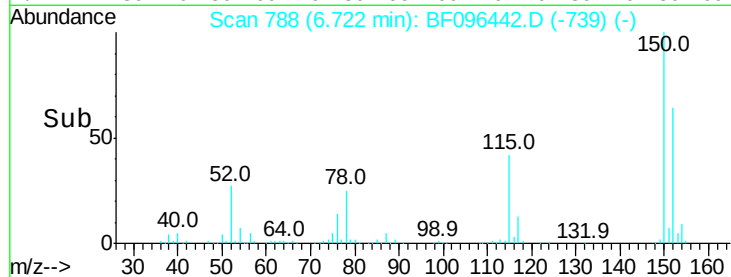
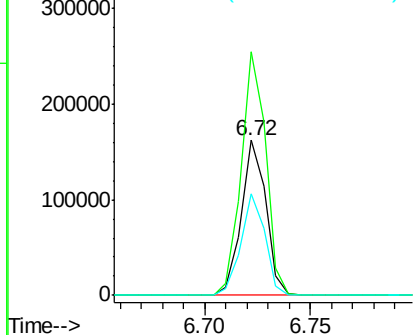
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096442.D
Acq: 3 Jul 2017 15:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.2	189.2
115	65.6	52.2	78.2



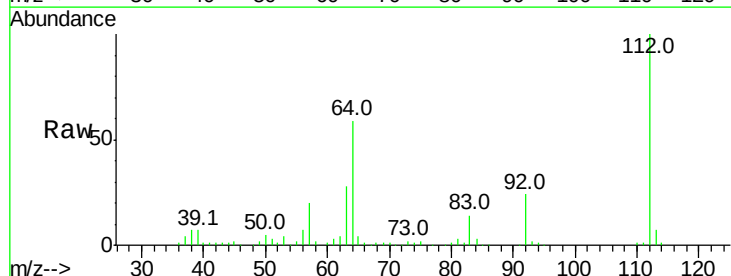
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



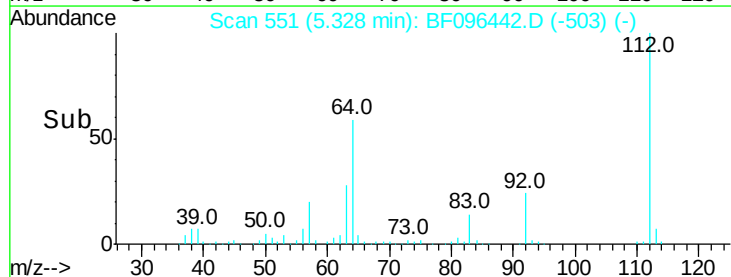
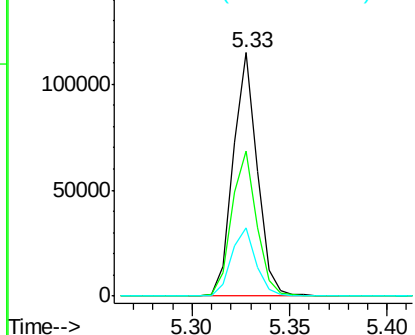
#5

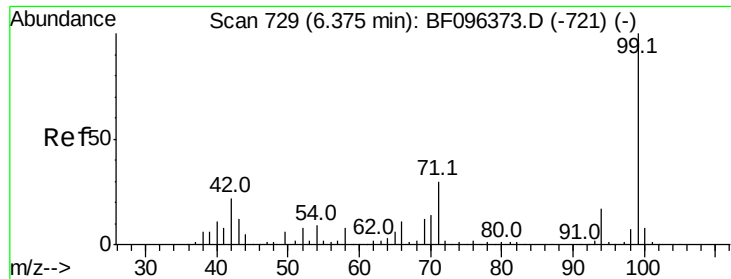
2-Fluorophenol
Concen: 11.17 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF096442.D
Acq: 3 Jul 2017 15:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	46.0	69.0
63	28.1	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: 15.41 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF096442.D

Acq: 3 Jul 2017 15:42

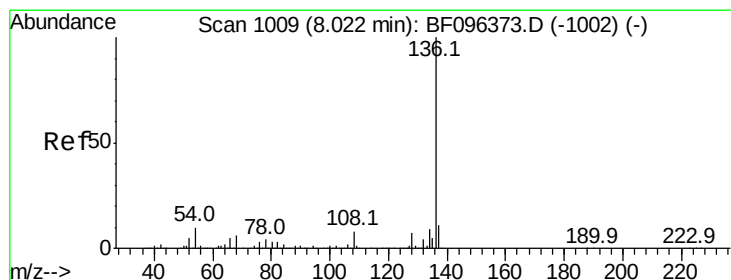
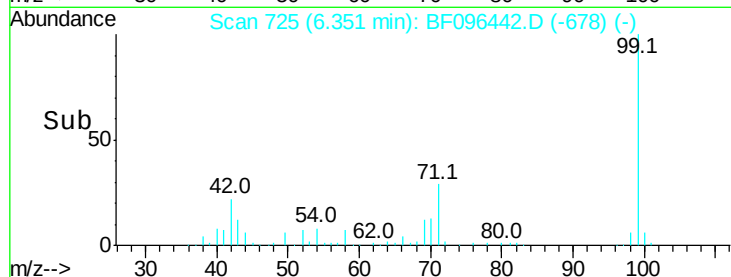
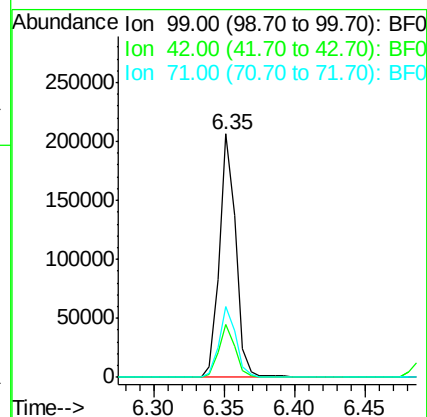
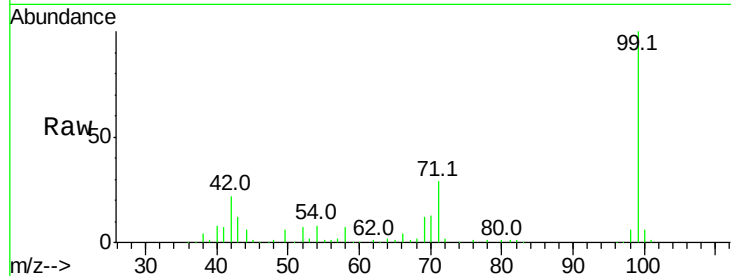
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 166749

Ion	Ratio	Lower	Upper
99	100		
42	21.8	13.5	20.3#
71	28.9	24.5	36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 1006

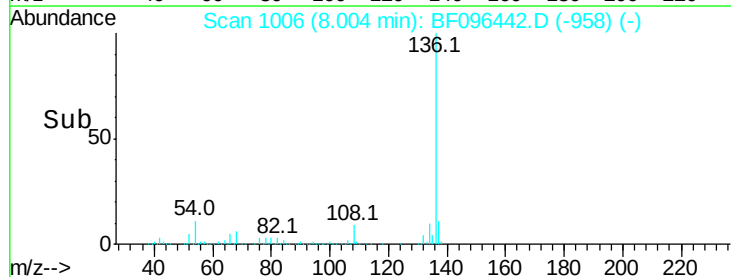
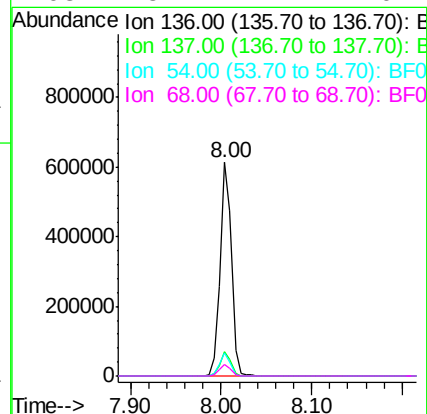
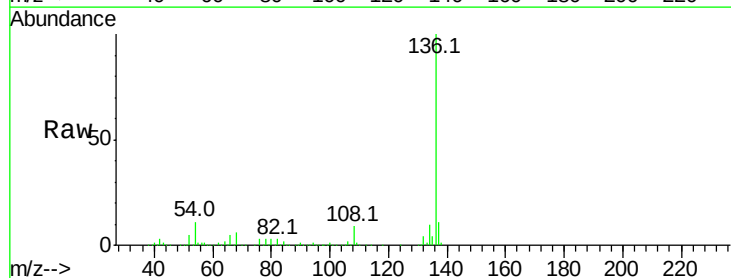
Delta R.T. -0.02 min

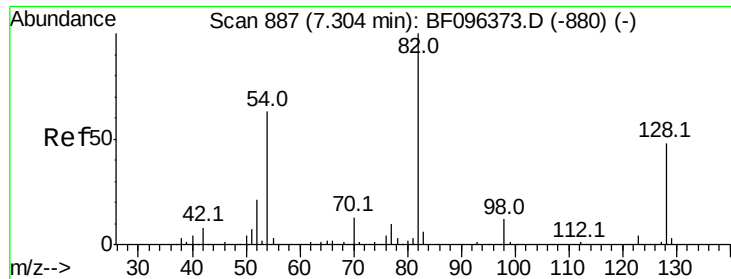
Lab File: BF096442.D

Acq: 3 Jul 2017 15:42

Tgt Ion: 136 Resp: 529374

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.0	4.9	7.3#
68	5.7	4.1	6.1

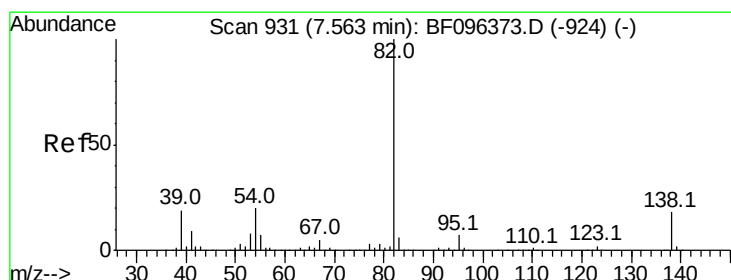
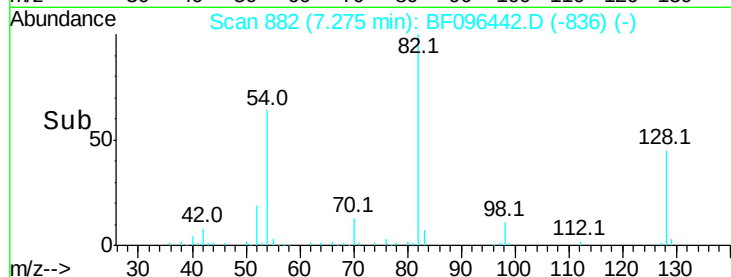
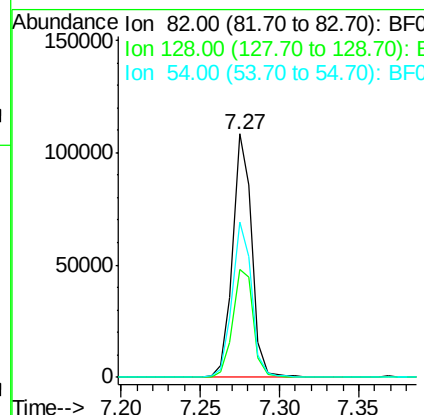
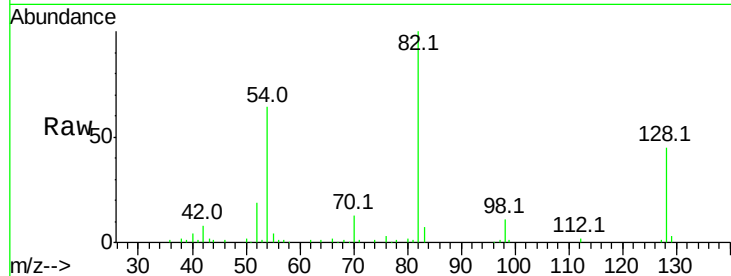




#23
Nitrobenzene-d5
Concen: 10.30 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.03 min
Lab File: BF096442.D
Acq: 3 Jul 2017 15:42

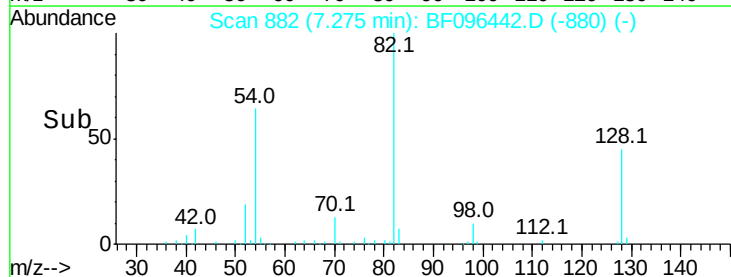
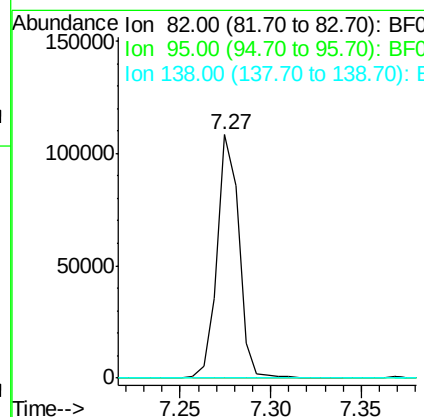
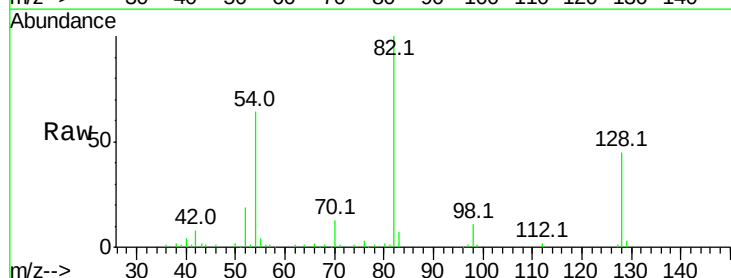
Instrument :
BNA_F
ClientSampleId :

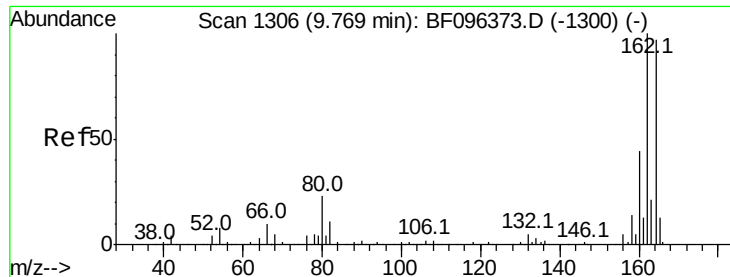
Tot Ion: 82 Resp: 90736
Ion Ratio Lower Upper
82 100
128 44.6 34.0 51.0
54 63.9 42.2 63.2#



#25
Isophorone
Concen: 5.30 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.29 min
Lab File: BF096442.D
Acq: 3 Jul 2017 15:42

Tgt Ion: 82 Resp: 90529
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#

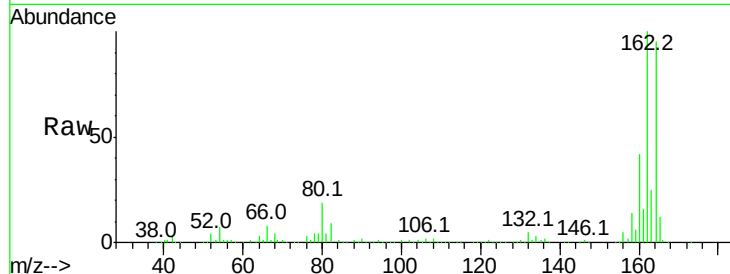




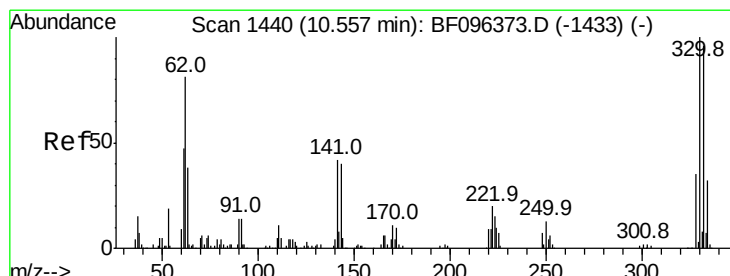
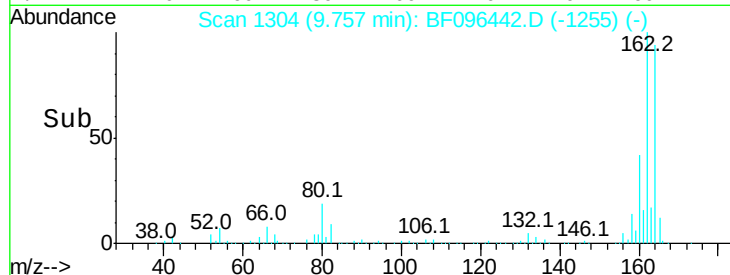
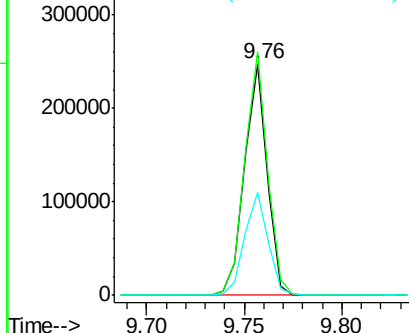
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF096442.D
Acq: 3 Jul 2017 15:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 198432
Ion Ratio Lower Upper
164 100
162 105.4 82.6 123.8
160 44.4 36.2 54.2

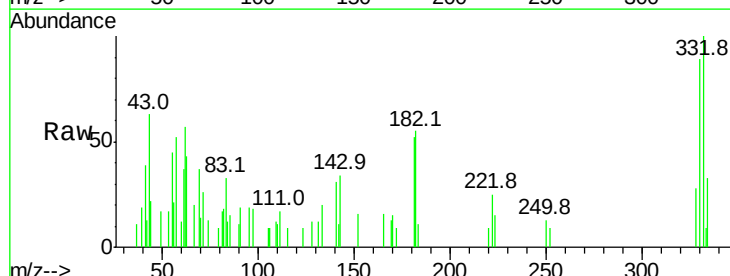


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

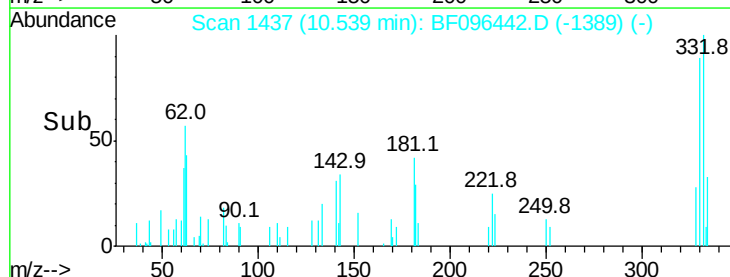
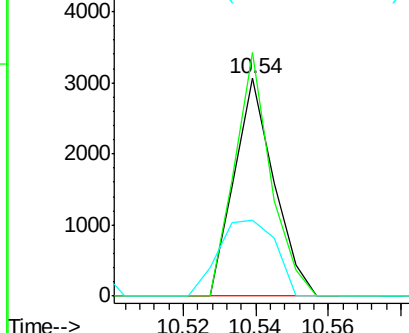


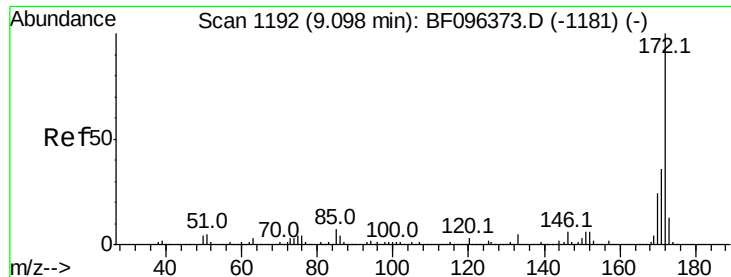
#41
2,4,6-Tribromophenol
Concen: 1.51 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.02 min
Lab File: BF096442.D
Acq: 3 Jul 2017 15:42

Tgt Ion:330 Resp: 2336
Ion Ratio Lower Upper
330 100
332 101.8 76.6 115.0
141 50.1 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

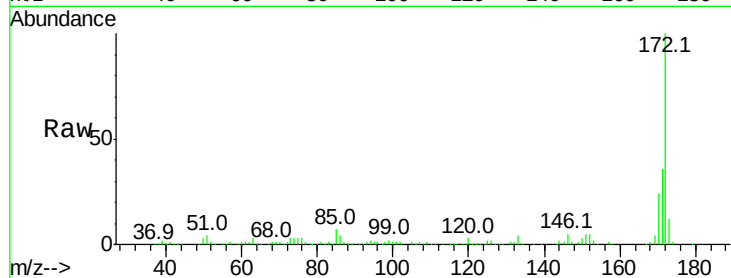




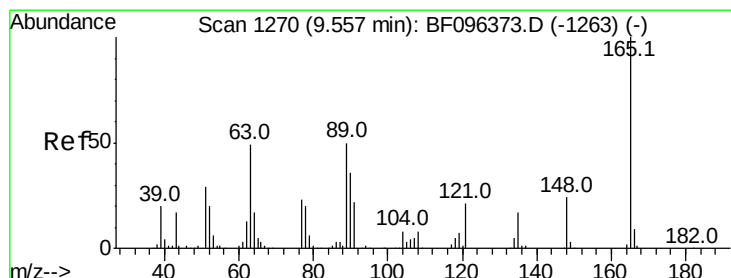
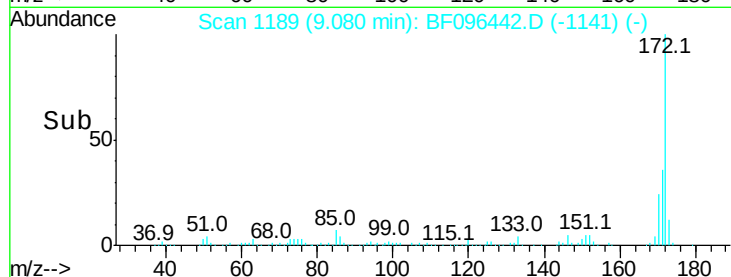
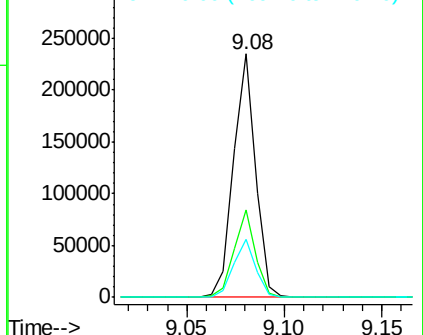
#44
 2-Fluorobiphenyl
 Concen: 15.90 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.02 min
 Lab File: BF096442.D
 Acq: 3 Jul 2017 15:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 184569
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 23.7 19.8 29.8

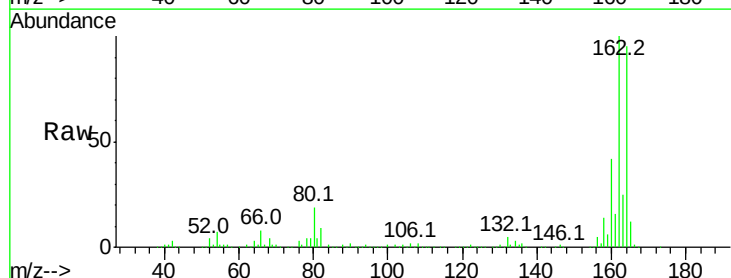


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

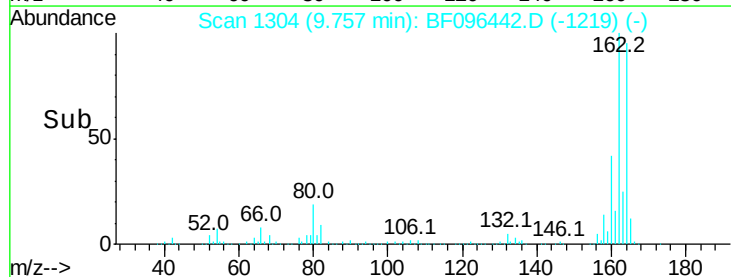
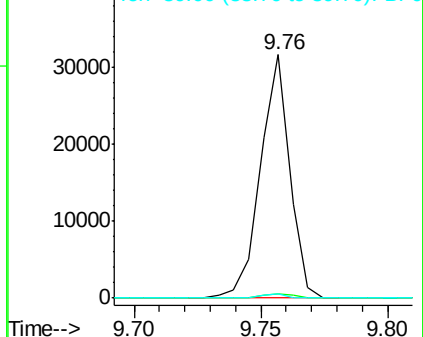


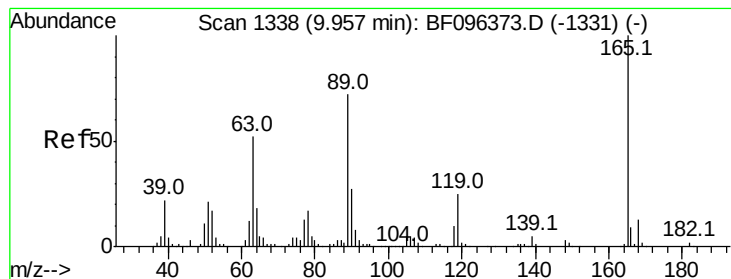
#50
 2,6-Dinitrotoluene
 Concen: 7.80 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.20 min
 Lab File: BF096442.D
 Acq: 3 Jul 2017 15:42

Tgt Ion:165 Resp: 25557
 Ion Ratio Lower Upper
 165 100
 63 1.7 34.3 51.5#
 89 1.6 37.1 55.7#



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





#56

2,4-Dinitrotoluene

Concen: 6.16 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.20 min

Lab File: BF096442.D

Acq: 3 Jul 2017 15:42

Instrument :

BNA_F

ClientSampleID :

Tot Ion:165 Resp: 25557

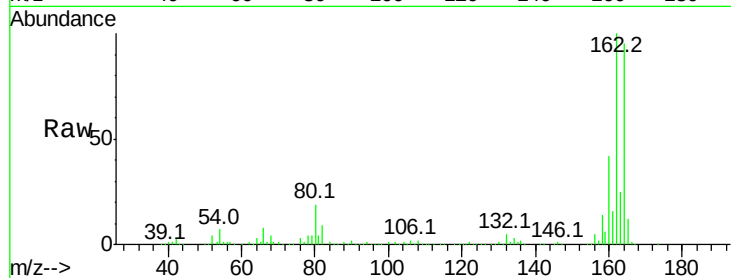
Ion Ratio Lower Upper

165 100

63 1.7 25.4 38.0#

89 1.6 46.4 69.6#

182 0.0 1.8 2.6#

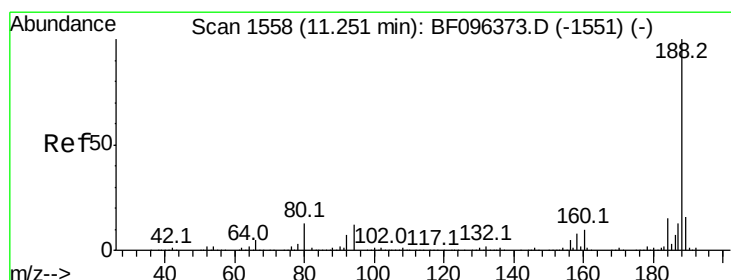
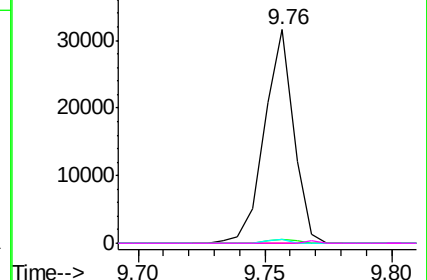
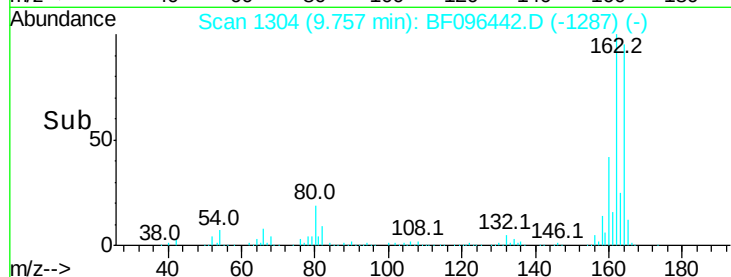


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.23 min Scan# 1555

Delta R.T. -0.02 min

Lab File: BF096442.D

Acq: 3 Jul 2017 15:42

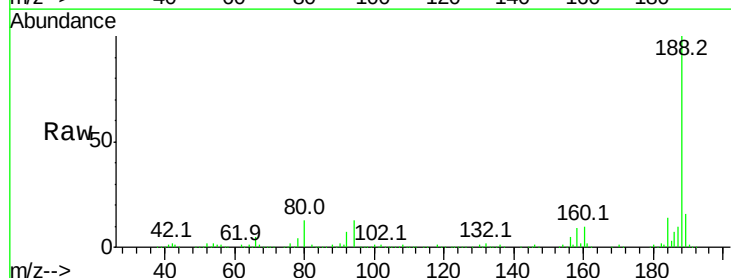
Tgt Ion:188 Resp: 289682

Ion Ratio Lower Upper

188 100

94 13.0 9.4 14.2

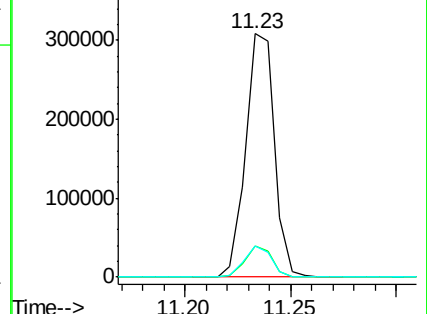
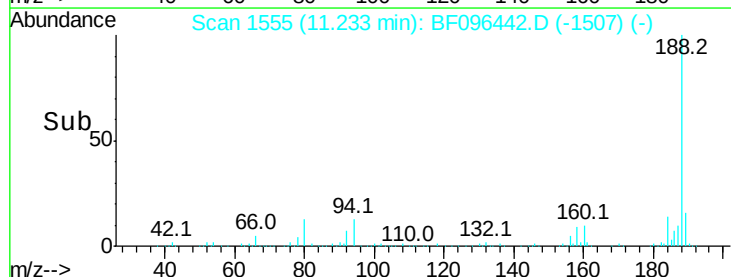
80 13.0 10.2 15.2

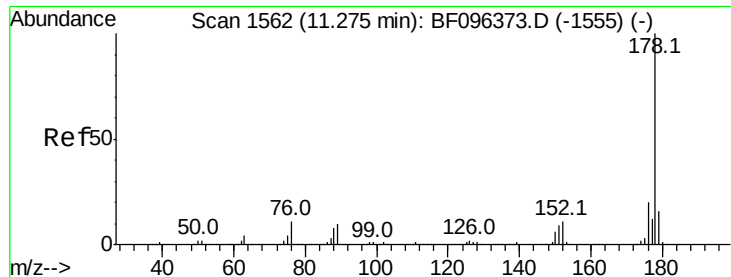


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.30 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.02 min

Lab File: BF096442.D

Acq: 3 Jul 2017 15:42

Instrument :

BNA_F

ClientSampleId :

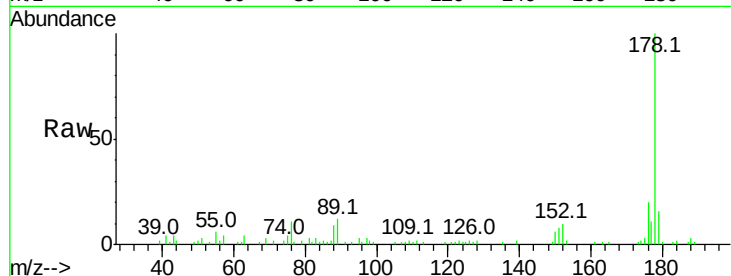
Tot Ion:178 Resp: 36003

Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.4

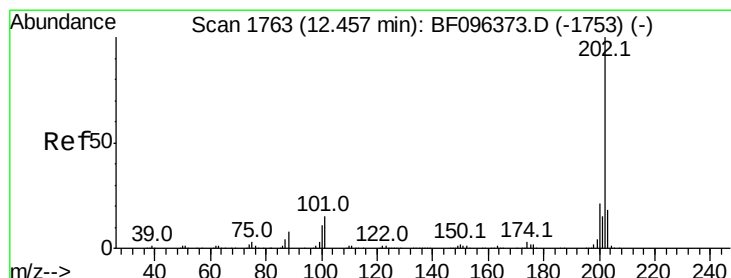
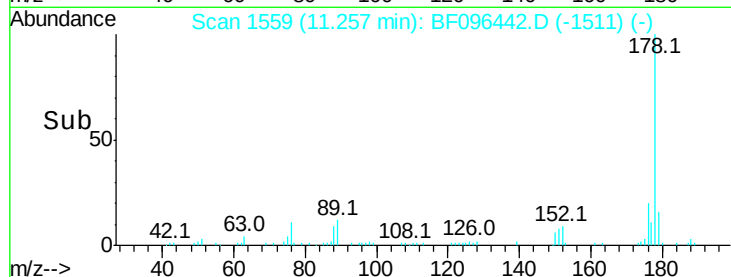
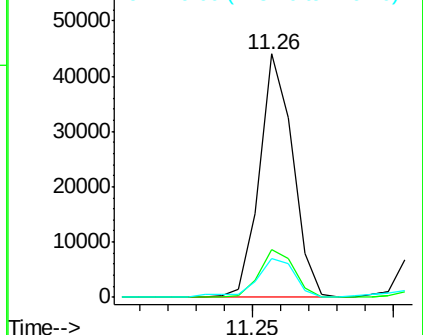
179 15.8 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 3.61 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF096442.D

Acq: 3 Jul 2017 15:42

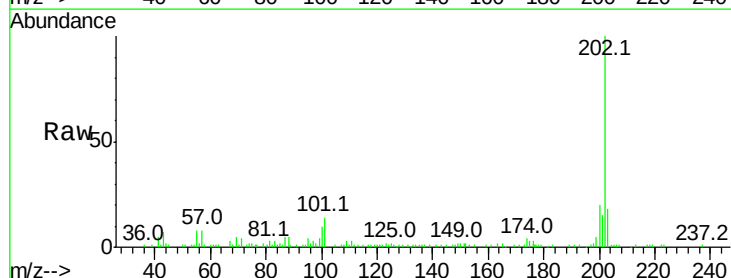
Tgt Ion:202 Resp: 55459

Ion Ratio Lower Upper

202 100

101 14.4 0.0 33.2

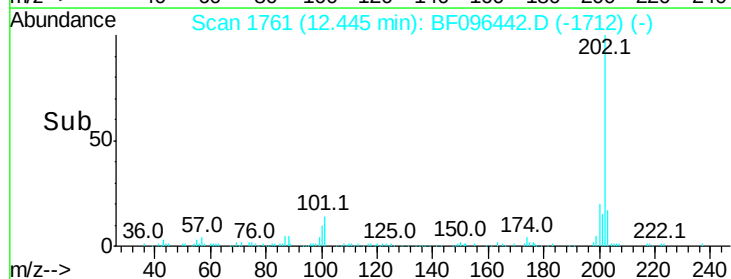
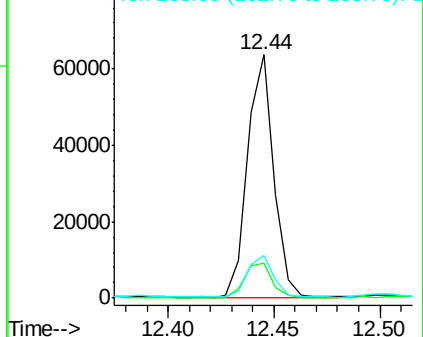
203 17.7 0.0 38.1

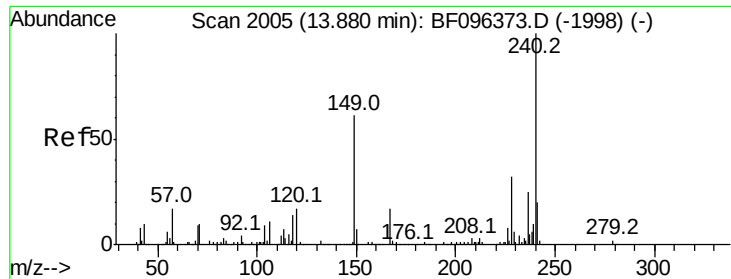


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF096442.D

Acq: 3 Jul 2017 15:42

Instrument :

BNA_F

ClientSampleId :

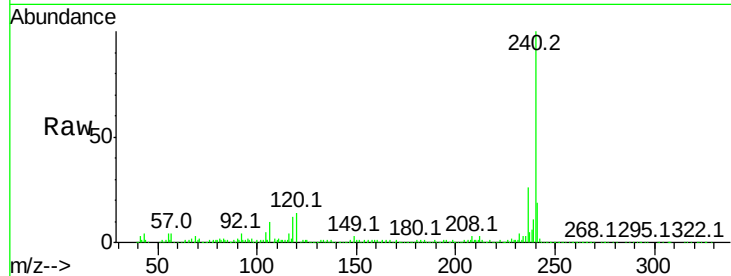
Tot Ion:240 Resp: 264634

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

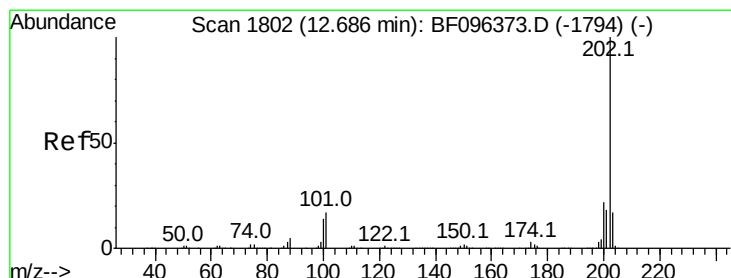
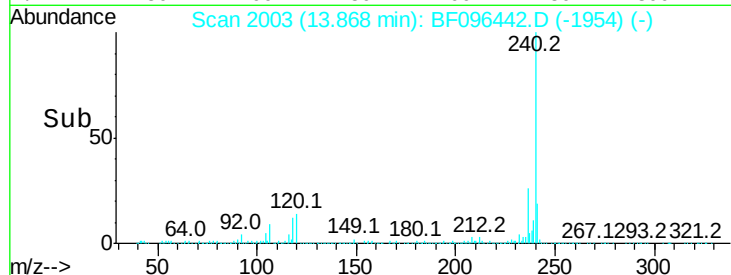
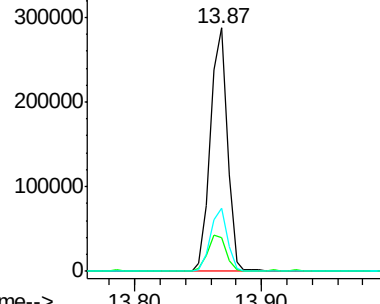
236 25.7 20.5 30.7



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



#77

Pyrene

Concen: 2.52 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.02 min

Lab File: BF096442.D

Acq: 3 Jul 2017 15:42

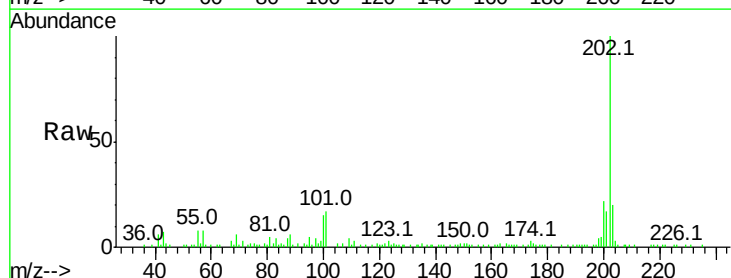
Tgt Ion:202 Resp: 53595

Ion Ratio Lower Upper

202 100

200 22.2 17.6 26.4

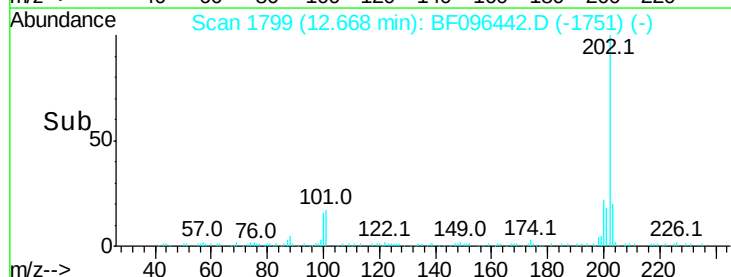
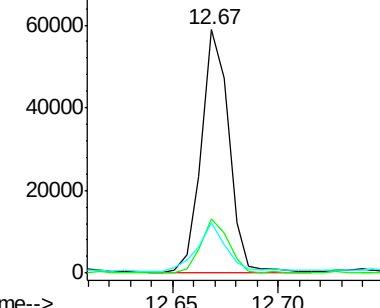
203 20.5 14.4 21.6

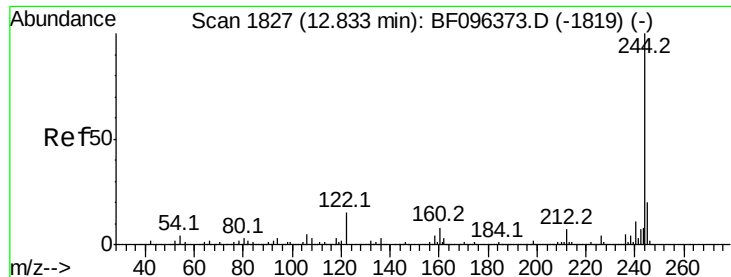


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

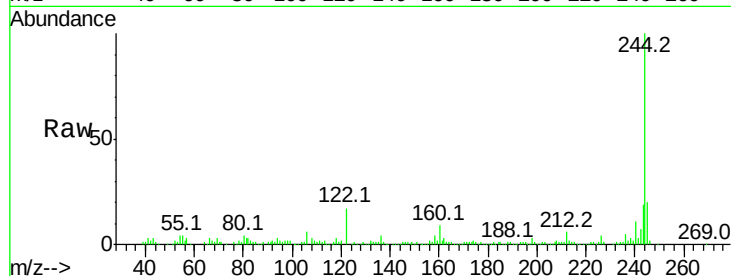




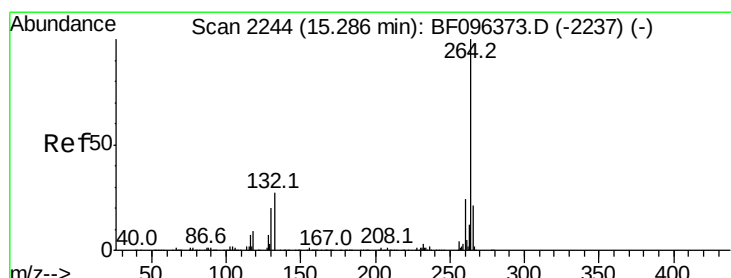
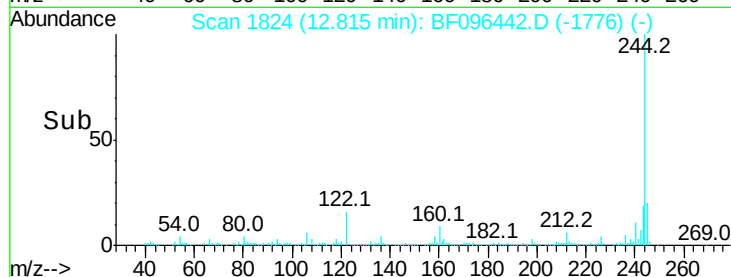
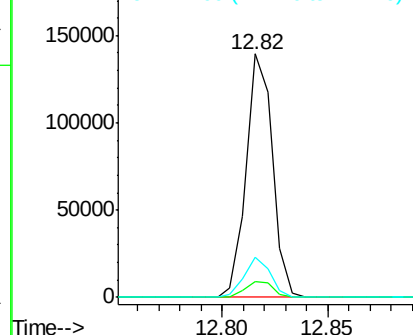
#78
 Terphenyl-d14
 Concen: 9.71 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF096442.D
 Acq: 3 Jul 2017 15:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 120288
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.0 9.0
 122 16.5 10.3 15.5#

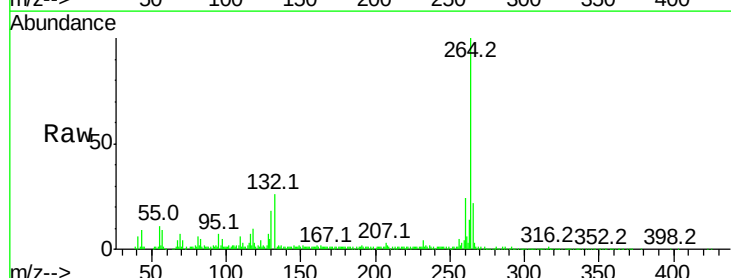


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

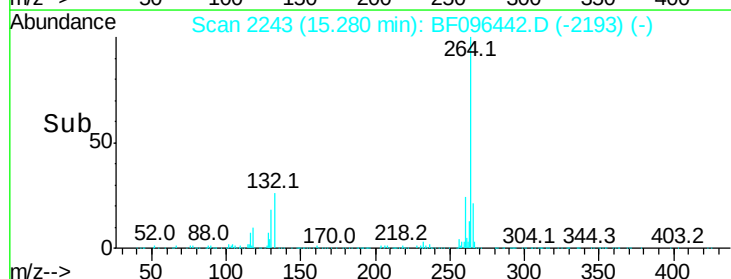
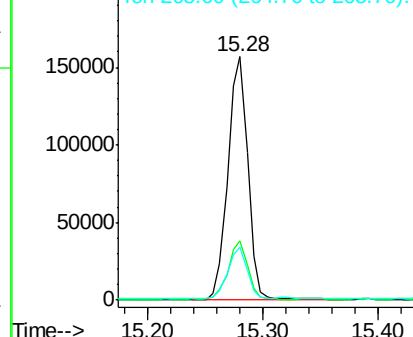


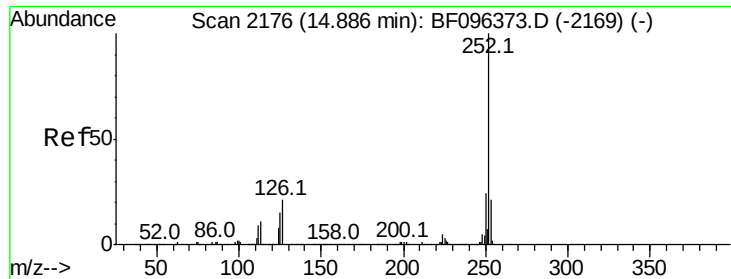
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BF096442.D
 Acq: 3 Jul 2017 15:42

Tgt Ion:264 Resp: 189703
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.5 29.3
 265 21.8 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





#87

Benzo(b)fluoranthene

Concen: 2.91 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BF096442.D

Acq: 3 Jul 2017 15:42

Instrument :

BNA_F

ClientSampled :

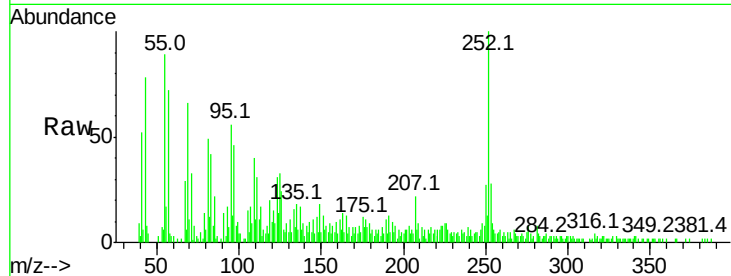
Tot Ion:252 Resp: 34545

Ion Ratio Lower Upper

252 100

253 28.1 18.1 27.1#

125 33.4 9.8 14.8#



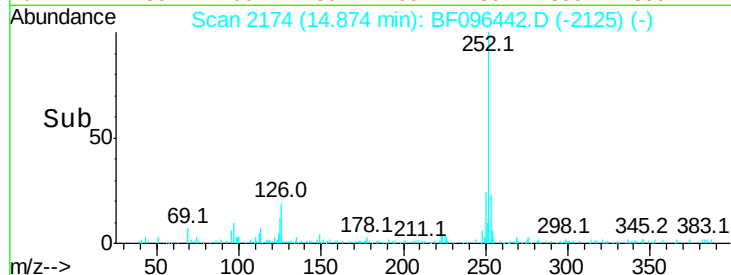
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

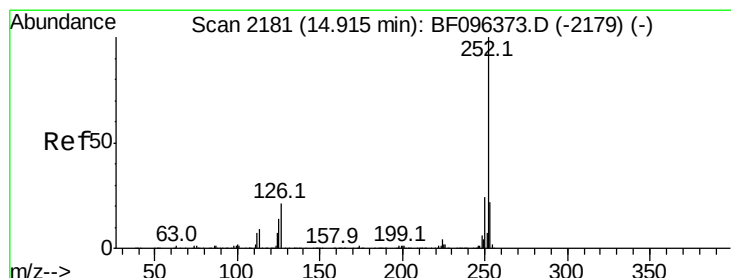
Time-->

14.85 14.90 14.95



Time-->

14.85 14.90 14.95



#88

Benzo(k)fluoranthene

Concen: 3.25 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.04 min

Lab File: BF096442.D

Acq: 3 Jul 2017 15:42

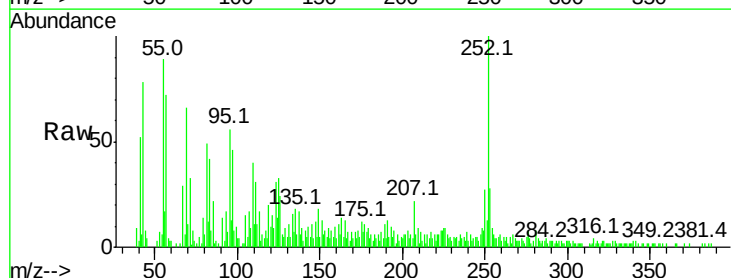
Tgt Ion:252 Resp: 34545

Ion Ratio Lower Upper

252 100

253 28.1 18.4 27.6#

125 33.4 13.1 19.7#



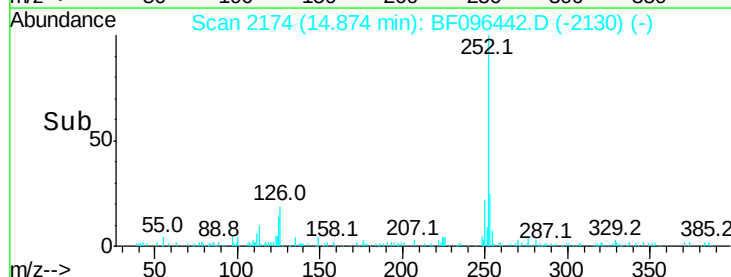
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->

14.85 14.90 14.95



Time-->

14.85 14.90 14.95