

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070217\
 Data File : BF096414.D
 Acq On : 2 Jul 2017 14:21
 Operator : SJ/MA
 Sample : I3950-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 03 04:30:54 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

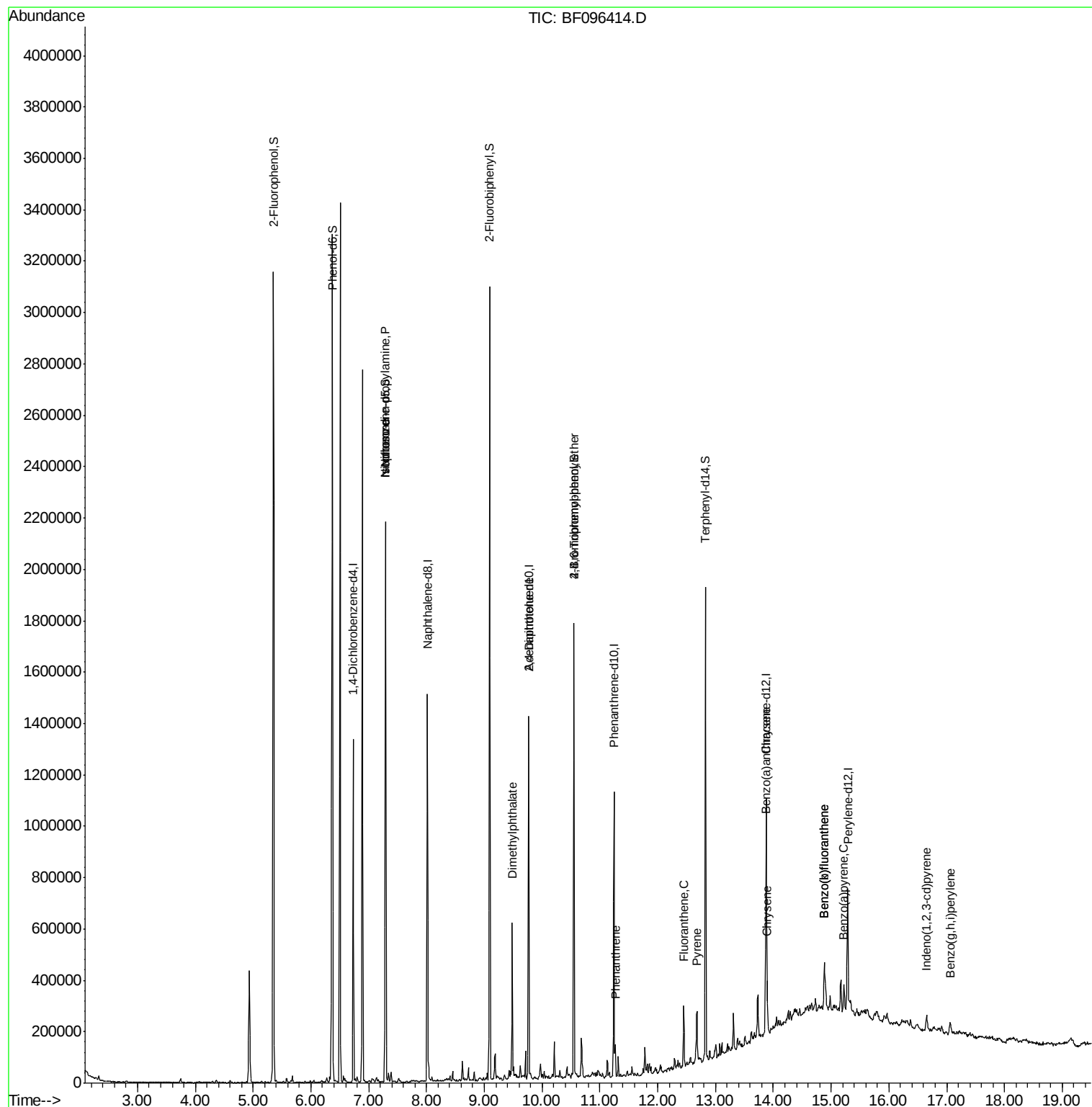
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	174197	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	634455	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	281239	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	366934	20.00	ng	0.00
75) Chrysene-d12	13.87	240	272636	20.00	ng	0.00
86) Perylene-d12	15.29	264	199419	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	940582	79.70	ng	0.00
7) Phenol-d6	6.37	99	1259921	86.84	ng	0.00
23) Nitrobenzene-d5	7.29	82	698720	66.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	189608	86.31	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	950172	57.77	ng	0.00
78) Terphenyl-d14	12.83	244	542195	42.50	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	92174	10.66	ng	# 87
25) Isophorone	7.29	82	693422	33.87	ng	# 67
49) Dimethylphthalate	9.48	163	237831	11.33	ng	98
56) 2,4-Dinitrotoluene	9.76	165	35527	6.04	ng	# 32
66) 4-Bromophenyl-phenylether	10.55	248	12629	3.54	ng	# 1
70) Phenanthrene	11.27	178	44136	2.23	ng	97
74) Fluoranthene	12.45	202	83464	4.29	ng	99
77) Pyrene	12.68	202	88442	4.04	ng	98
80) Benzo(a)anthracene	13.86	228	69888	4.43	ng	95
82) Chrysene	13.90	228	76393	4.62	ng	98
85) Indeno(1,2,3-cd)pyrene	16.65	276	29956	2.30	ng	94
87) Benzo(b)fluoranthene	14.89	252	127722	10.22	ng	# 96
88) Benzo(k)fluoranthene	14.89	252	127722	11.43	ng	100
89) Benzo(a)pyrene	15.23	252	47145	4.23	ng	93
91) Benzo(a,h,i)perylene	17.06	276	28009	3.08	ng	97

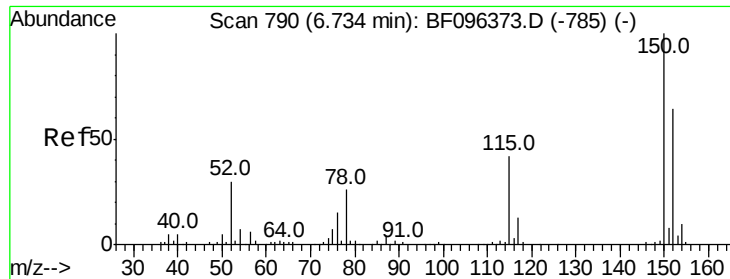
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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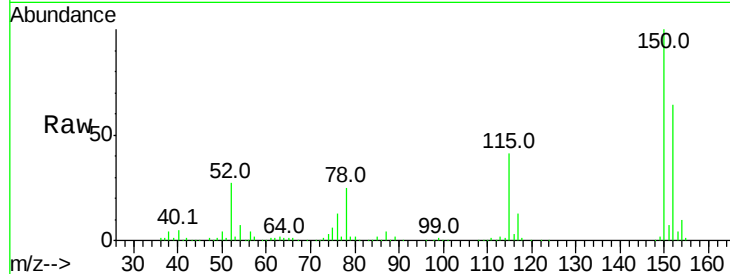


#1

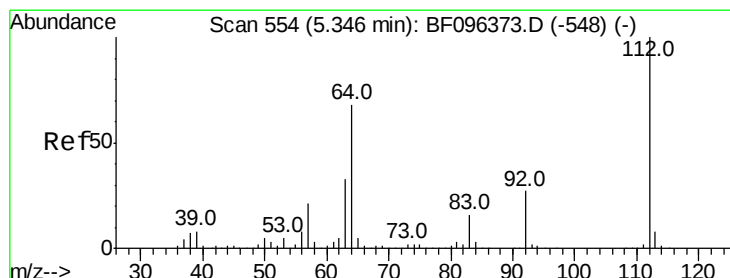
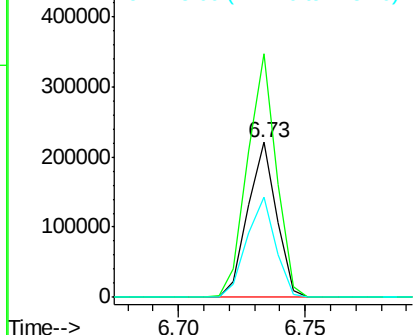
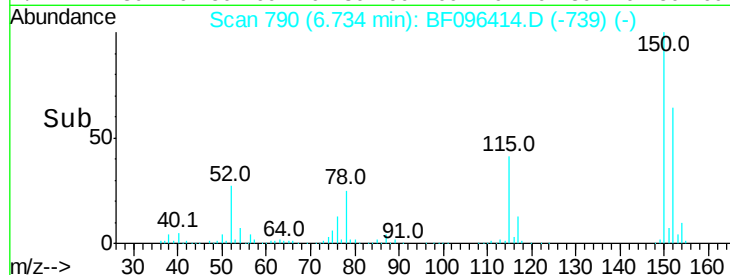
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 174197
Ion Ratio Lower Upper
152 100
150 157.1 126.2 189.2
115 64.5 52.2 78.2



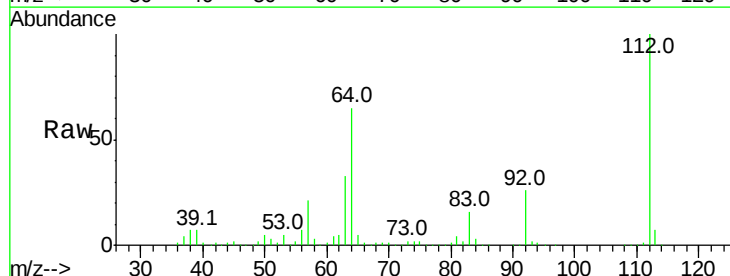
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



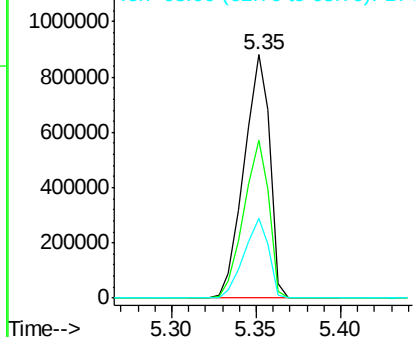
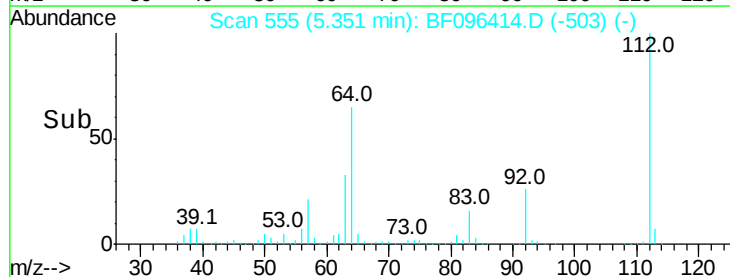
#5

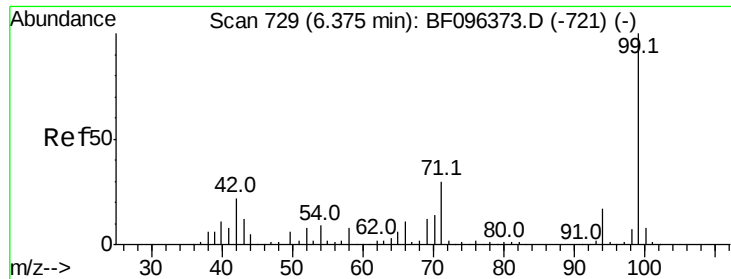
2-Fluorophenol
Concen: 79.70 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Tgt Ion:112 Resp: 940582
Ion Ratio Lower Upper
112 100
64 64.8 46.0 69.0
63 32.5 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: 86.84 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF096414.D

Acq: 2 Jul 2017 14:21

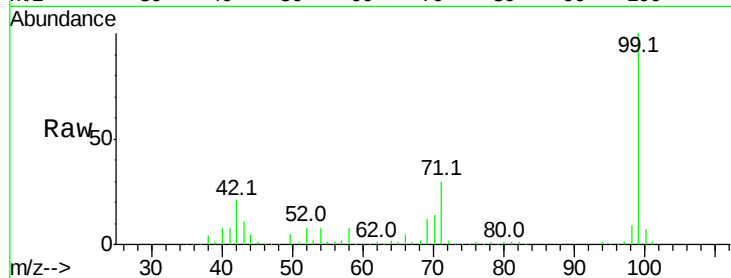
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1259921

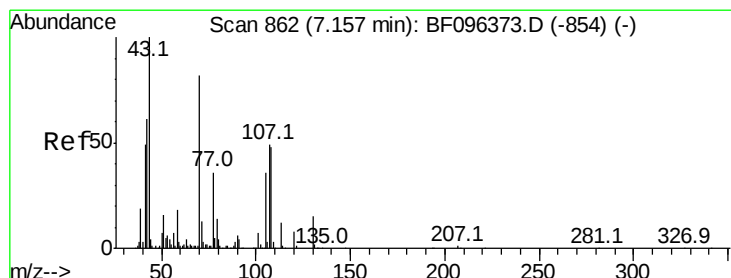
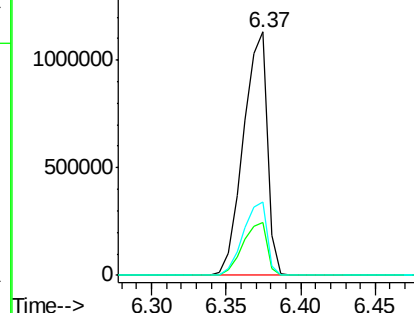
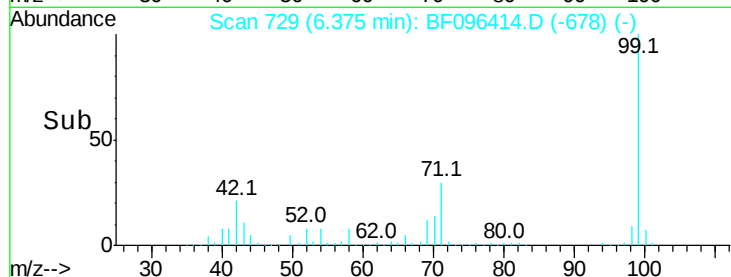
Ion	Ratio	Lower	Upper
99	100		
42	21.5	13.5	20.3#
71	30.4	24.5	36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.66 ng

RT: 7.29 min Scan# 885

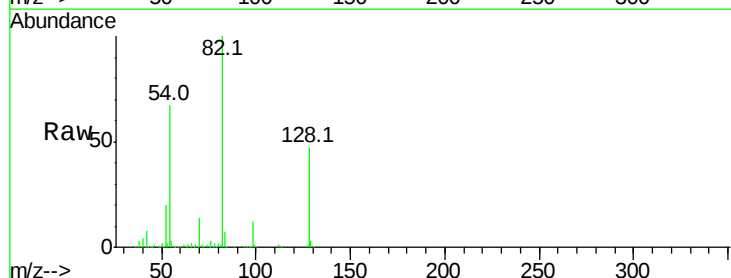
Delta R.T. 0.14 min

Lab File: BF096414.D

Acq: 2 Jul 2017 14:21

Tgt Ion: 70 Resp: 92174

Ion	Ratio	Lower	Upper
70	100		
42	61.0	47.2	70.8
101	0.0	7.2	10.8#
130	1.9	15.9	23.9#

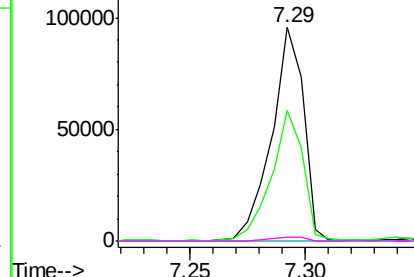
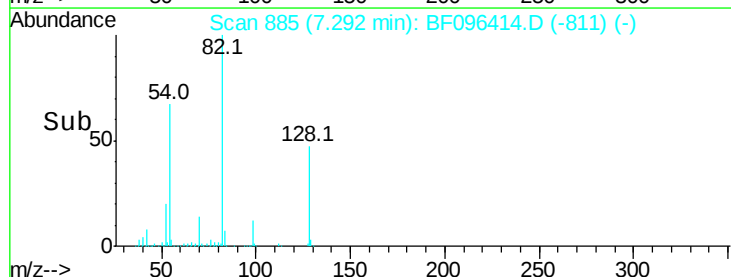


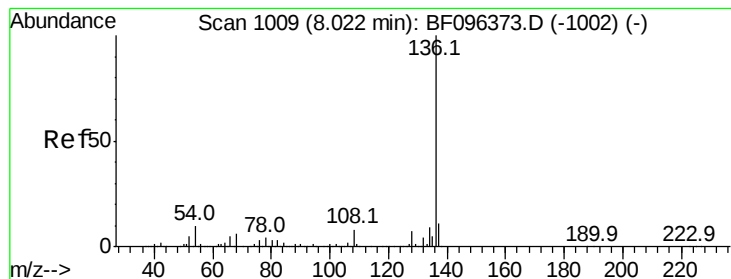
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF096414.D

Acq: 2 Jul 2017 14:21

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 634455

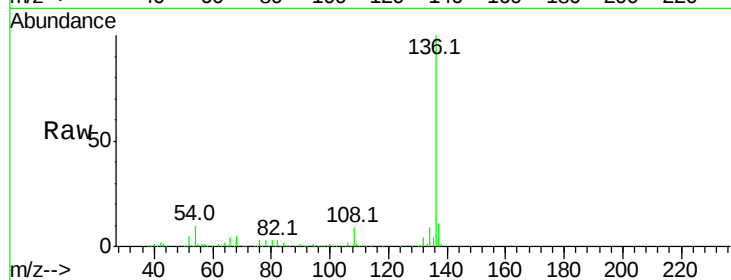
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 9.6 4.9 7.3#

68 4.9 4.1 6.1

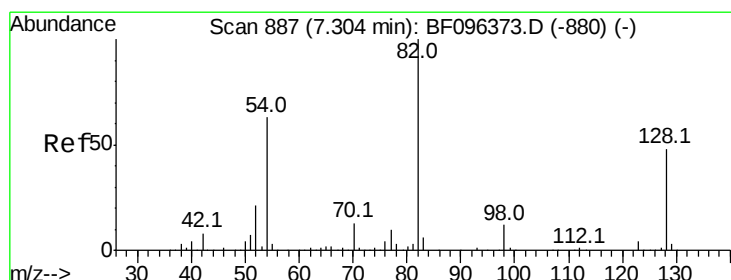
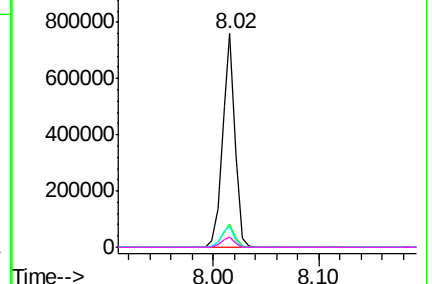
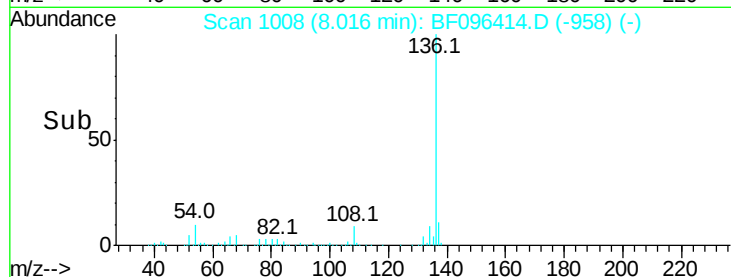


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.18 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF096414.D

Acq: 2 Jul 2017 14:21

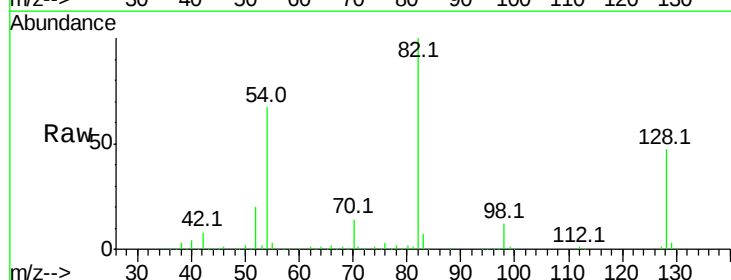
Tgt Ion: 82 Resp: 698720

Ion Ratio Lower Upper

82 100

128 47.1 34.0 51.0

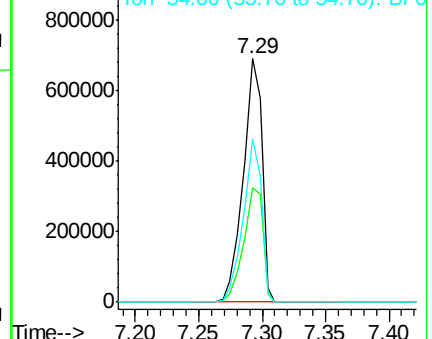
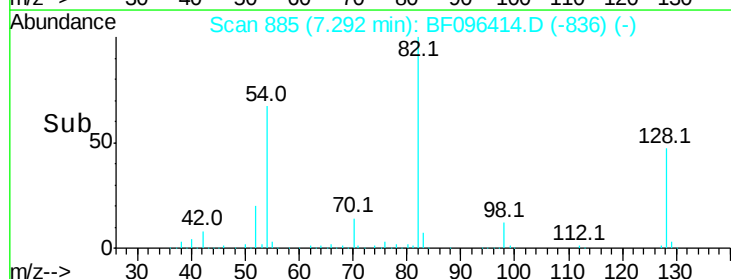
54 67.2 42.2 63.2#

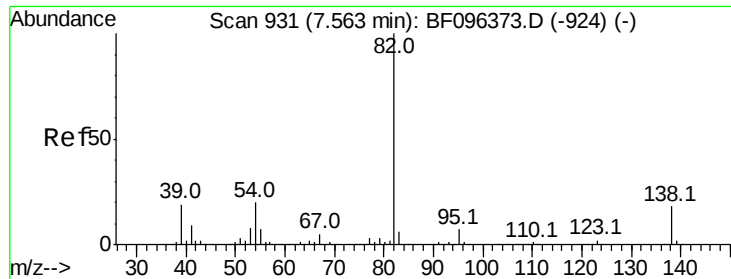


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 33.87 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF096414.D

Acq: 2 Jul 2017 14:21

Instrument :

BNA_F

ClientSampleId :

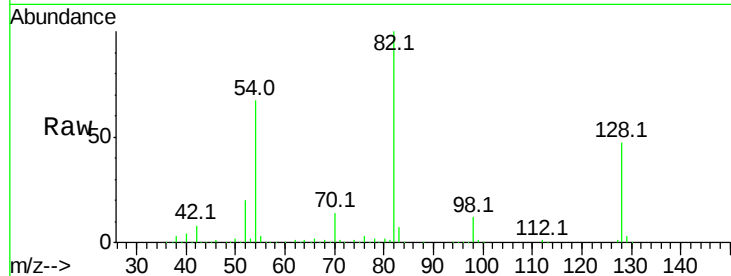
Tot Ion: 82 Resp: 693422

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

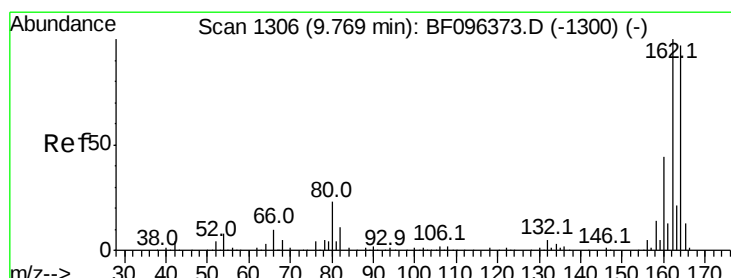
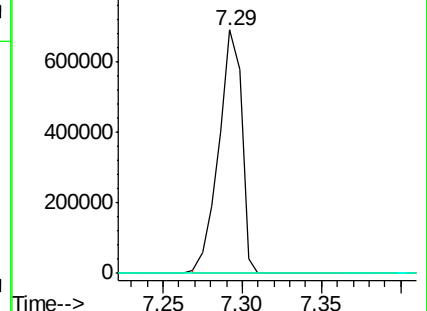
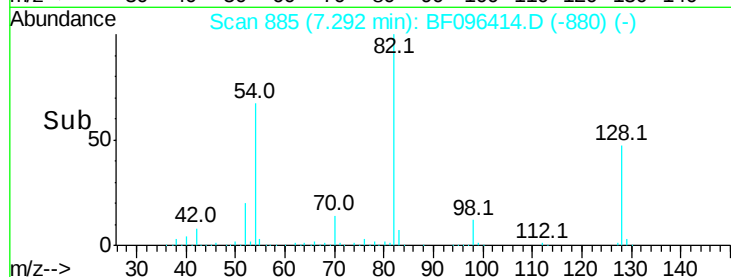
138 0.0 13.1 19.7#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BF096414.D

Acq: 2 Jul 2017 14:21

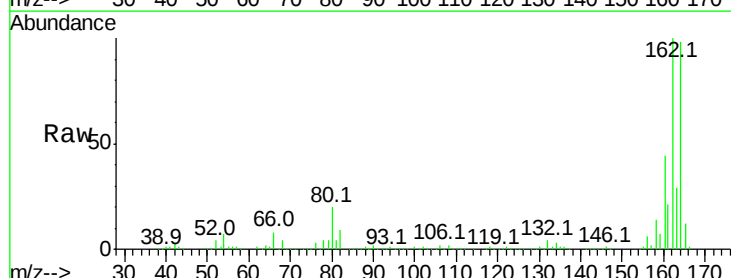
Tgt Ion:164 Resp: 281239

Ion Ratio Lower Upper

164 100

162 102.5 82.6 123.8

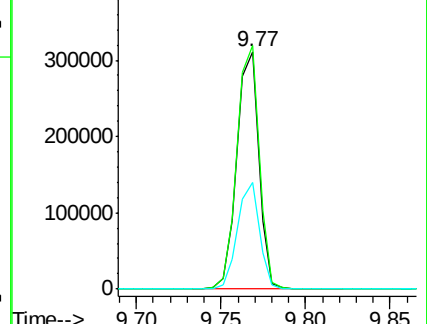
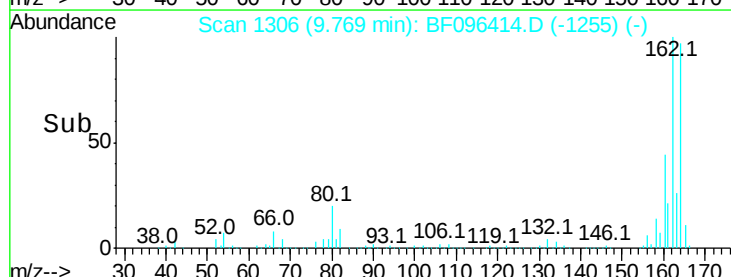
160 44.9 36.2 54.2

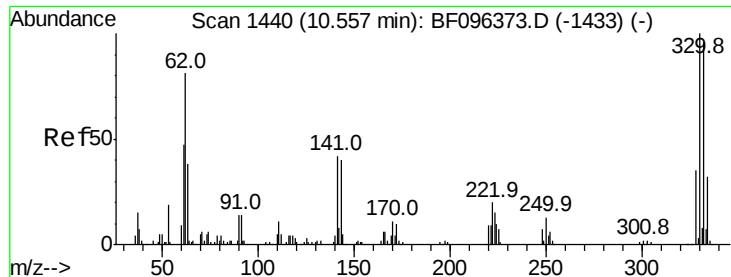


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

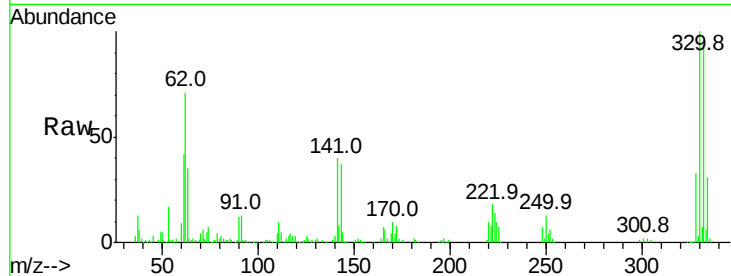




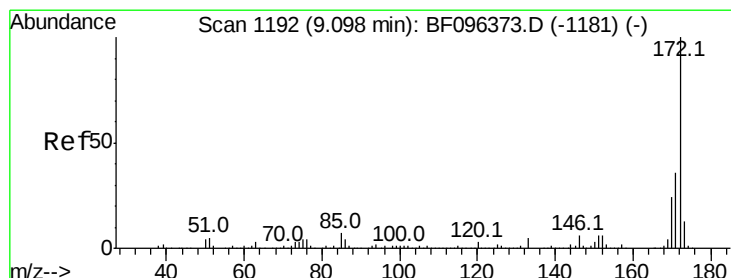
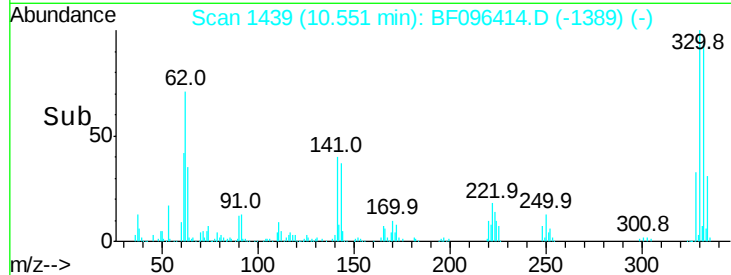
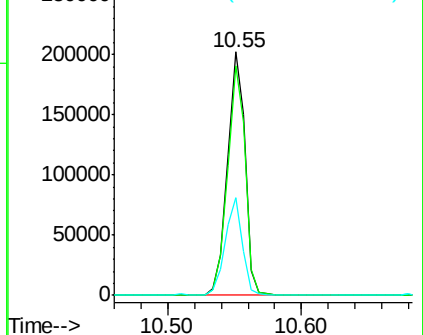
#41
 2,4,6-Tribromophenol
 Concen: 86.31 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF096414.D
 Acq: 2 Jul 2017 14:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 189608
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.6 115.0
 141 39.7 31.4 47.2

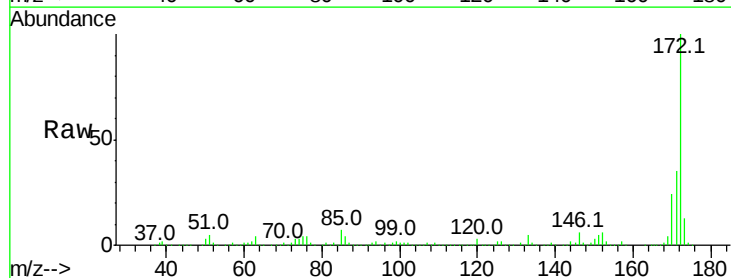


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

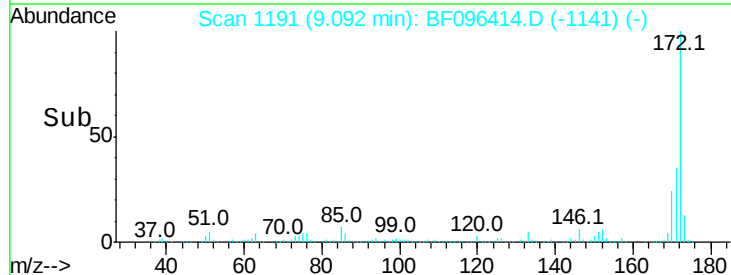
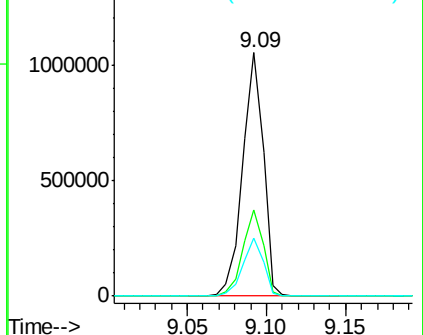


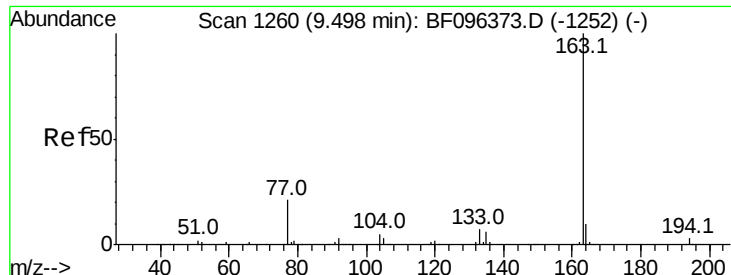
#44
 2-Fluorobiphenyl
 Concen: 57.77 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF096414.D
 Acq: 2 Jul 2017 14:21

Tgt Ion:172 Resp: 950172
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 24.0 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

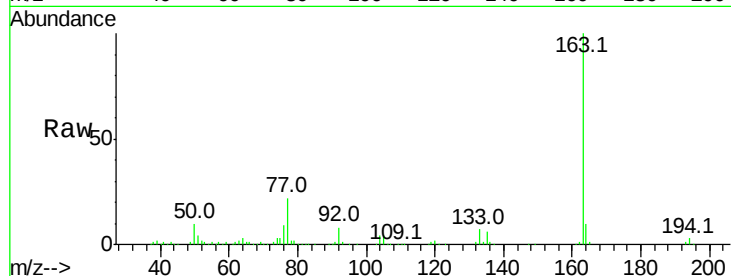




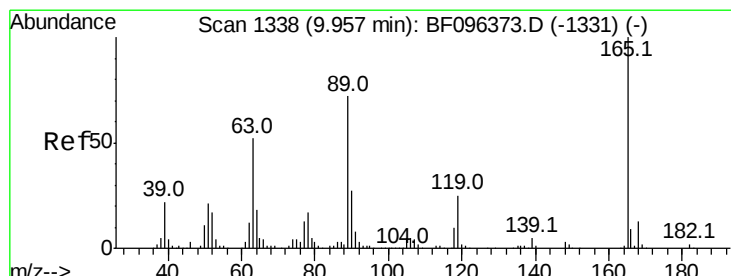
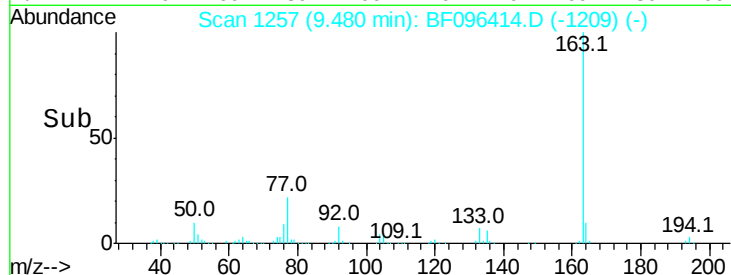
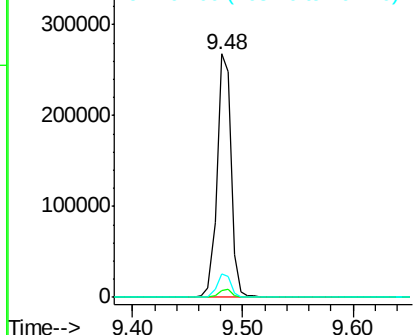
#49
Dimethylphthalate
Concen: 11.33 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 237831
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 9.8 8.4 12.6

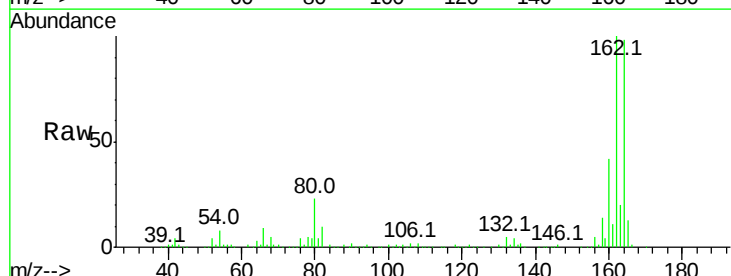


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

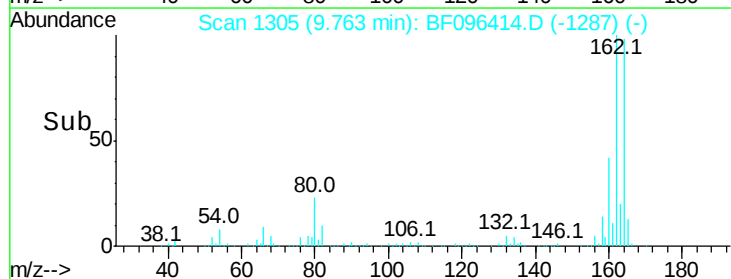
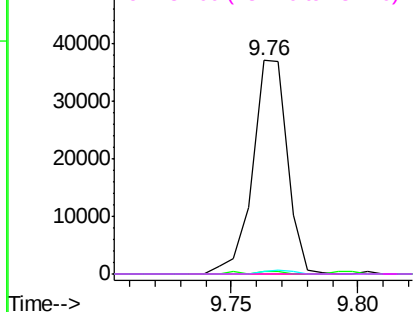


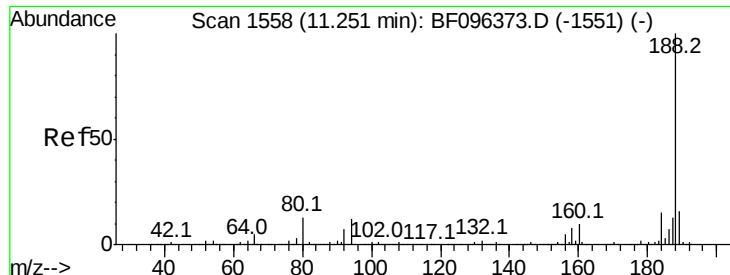
#56
2,4-Dinitrotoluene
Concen: 6.04 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.19 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Tgt Ion:165 Resp: 35527
Ion Ratio Lower Upper
165 100
63 1.2 25.4 38.0#
89 0.9 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

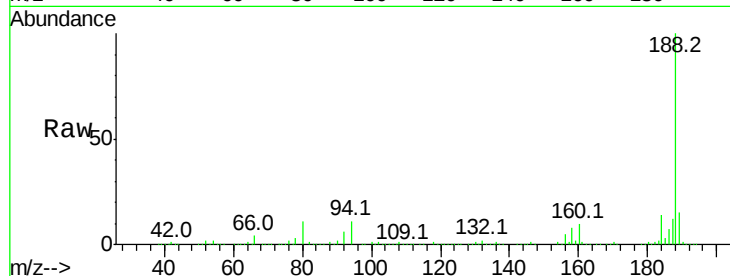




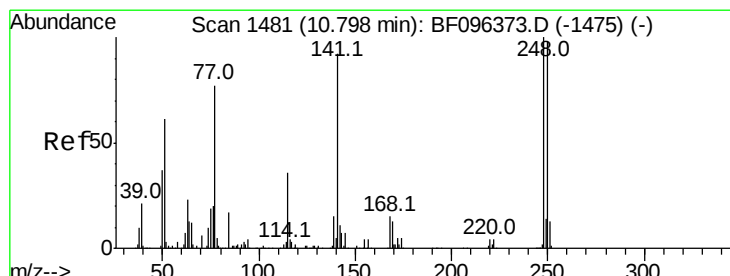
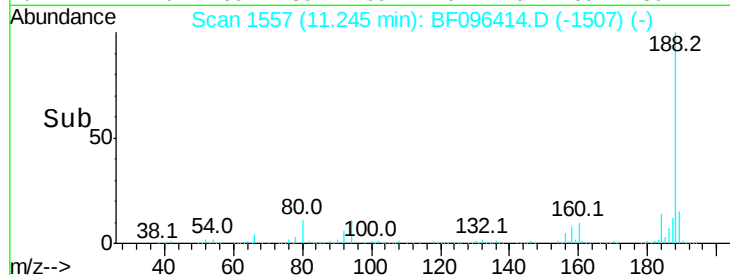
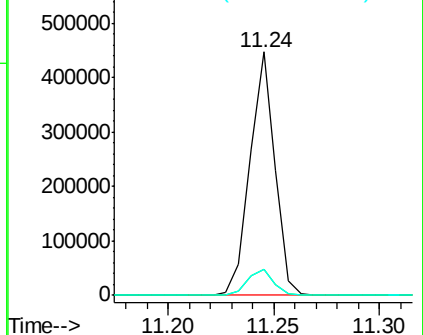
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF096414.D
 Acq: 2 Jul 2017 14:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 366934
 Ion Ratio Lower Upper
 188 100
 94 10.7 9.4 14.2
 80 10.8 10.2 15.2

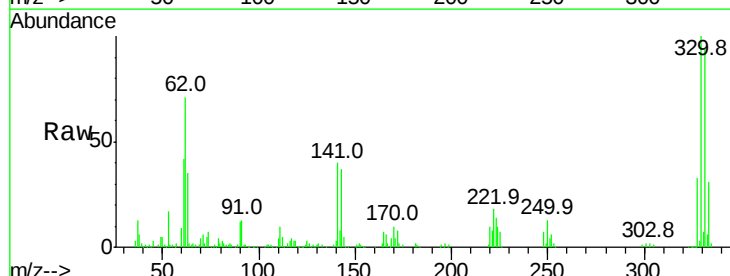


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

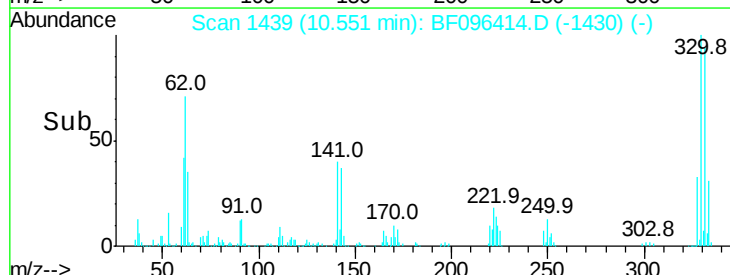
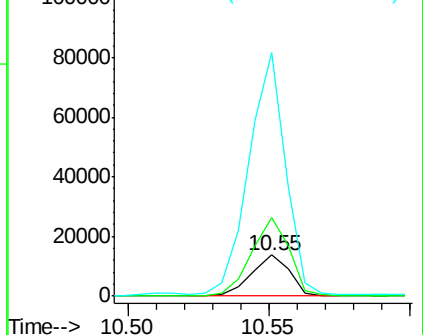


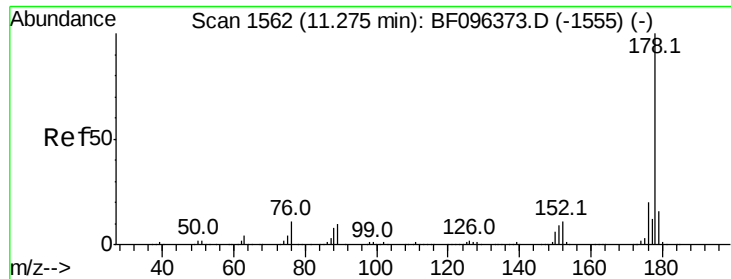
#66
 4-Bromophenyl-phenylether
 Concen: 3.54 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF096414.D
 Acq: 2 Jul 2017 14:21

Tgt Ion:248 Resp: 12629
 Ion Ratio Lower Upper
 248 100
 250 190.2 76.8 115.2#
 141 589.7 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

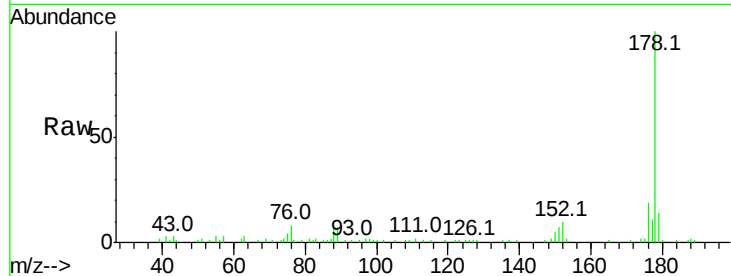




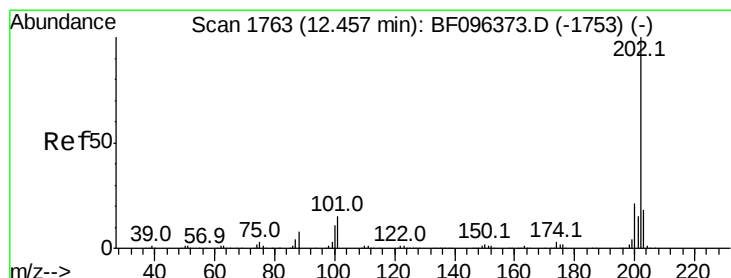
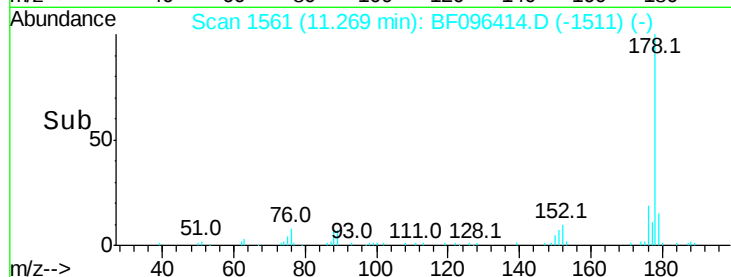
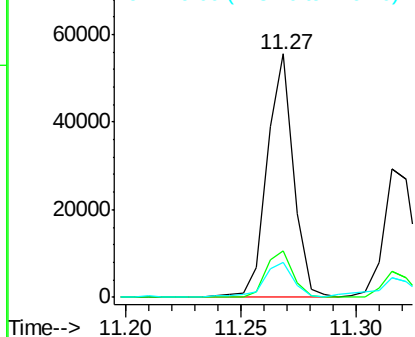
#70
Phenanthrene
Concen: 2.23 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 44136
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.4
179 14.5 12.6 19.0

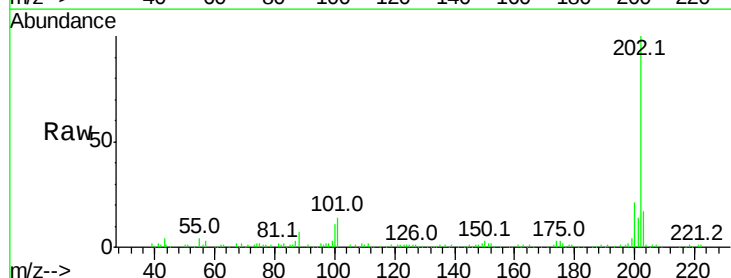


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

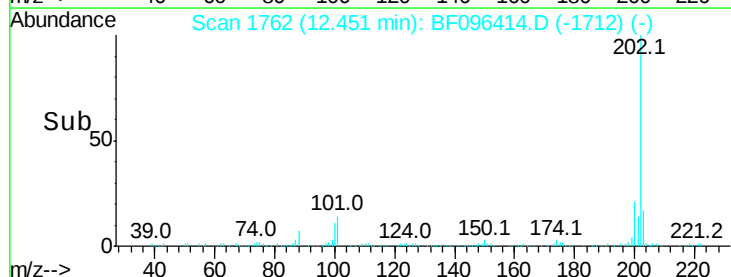
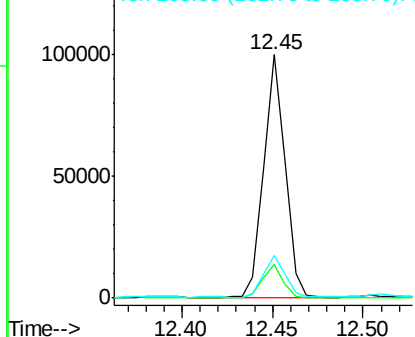


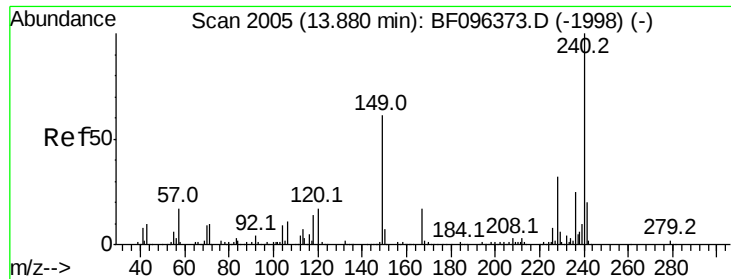
#74
Fluoranthene
Concen: 4.29 ng
RT: 12.45 min Scan# 1762
Delta R.T. -0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Tgt Ion:202 Resp: 83464
Ion Ratio Lower Upper
202 100
101 13.8 0.0 33.2
203 17.5 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# 2004

Delta R.T. -0.01 min

Lab File: BF096414.D

Acq: 2 Jul 2017 14:21

Instrument :

BNA_F

ClientSampleId :

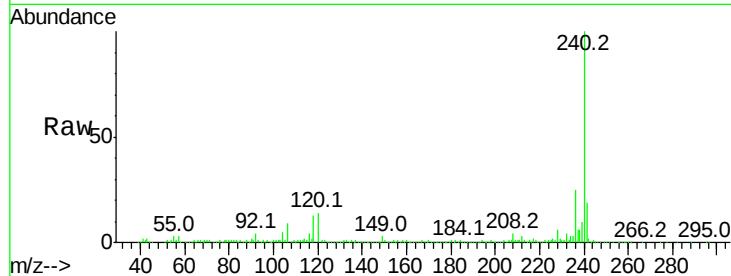
Tot Ion:240 Resp: 272636

Ion Ratio Lower Upper

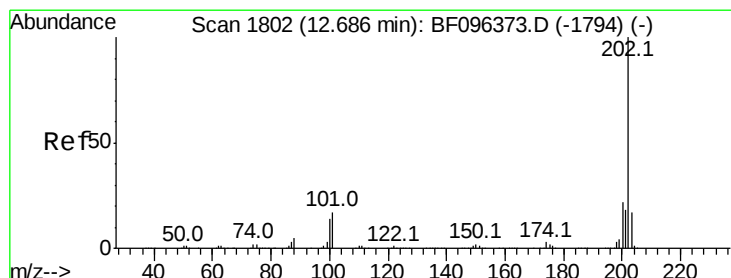
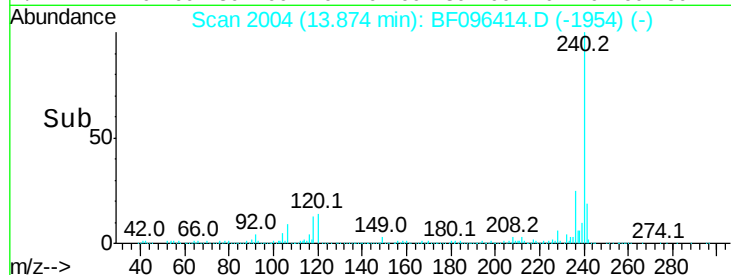
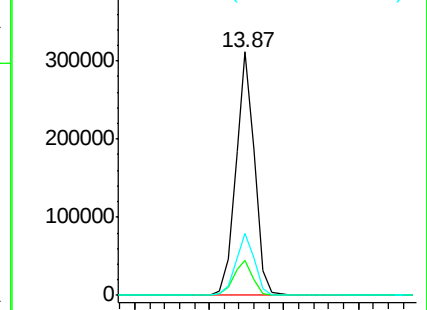
240 100

120 14.1 5.8 8.8#

236 25.2 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: 4.04 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF096414.D

Acq: 2 Jul 2017 14:21

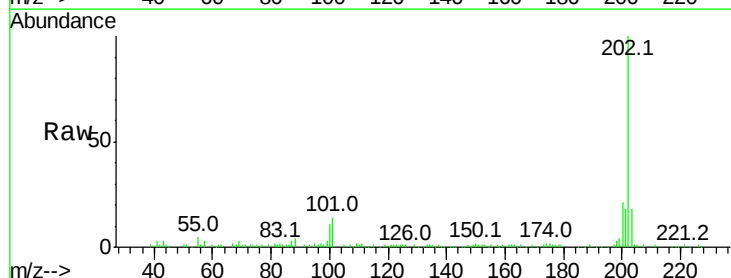
Tgt Ion:202 Resp: 88442

Ion Ratio Lower Upper

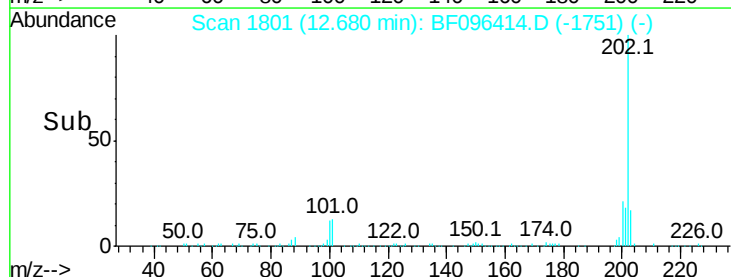
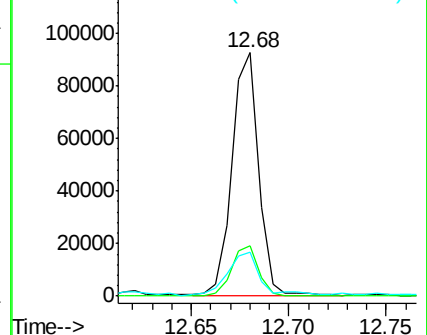
202 100

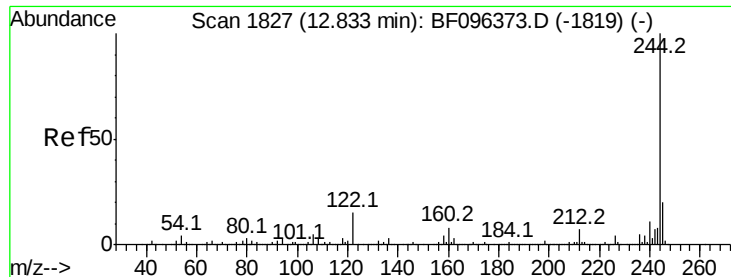
200 20.8 17.6 26.4

203 17.9 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

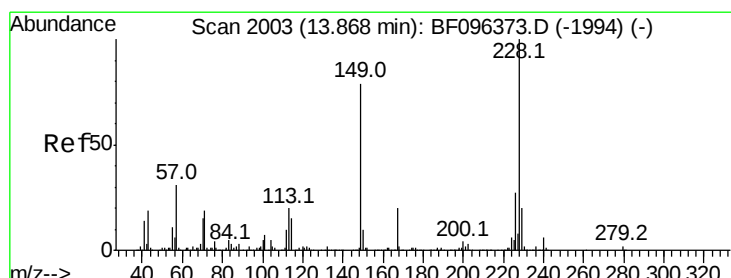
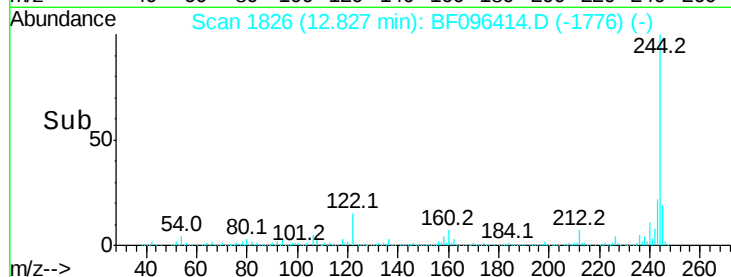
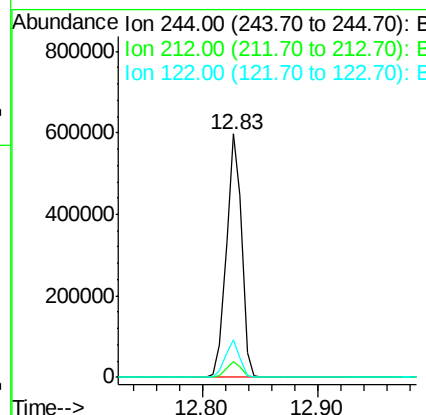
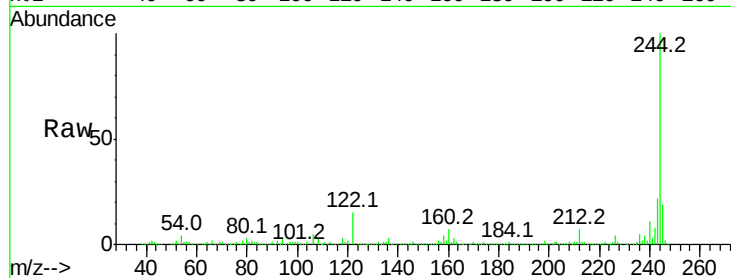




#78
 Terphenyl-d14
 Concen: 42.50 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF096414.D
 Acq: 2 Jul 2017 14:21

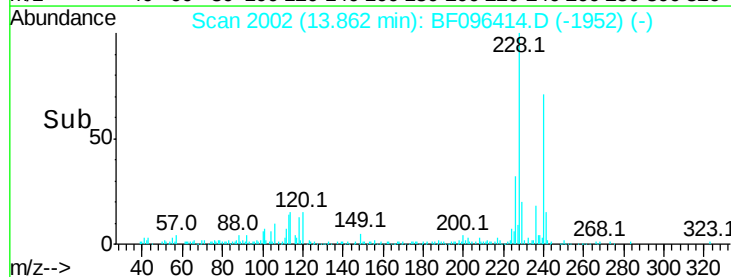
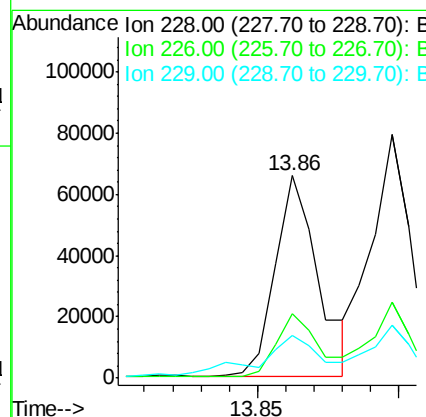
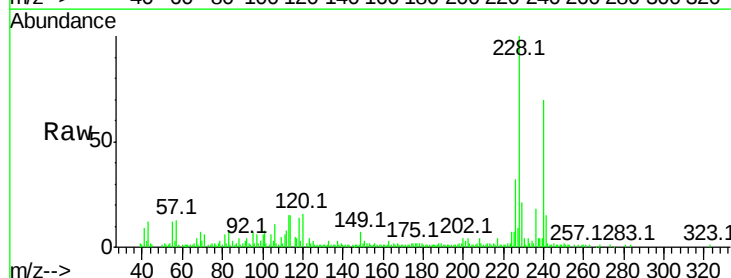
Instrument :
 BNA_F
 ClientSampleId :

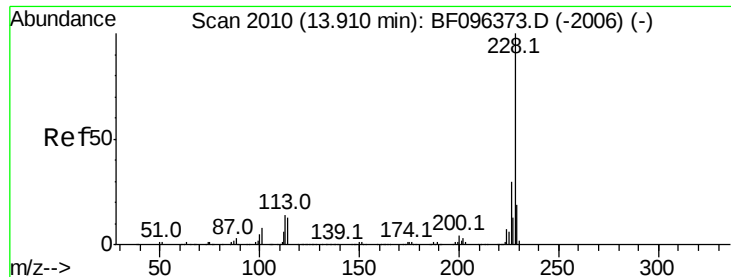
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	15.4	10.3	15.5



#80
 Benzo(a)anthracene
 Concen: 4.43 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF096414.D
 Acq: 2 Jul 2017 14:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	22.6	33.8
229	21.4	16.3	24.5





#82

Chrysene

Concen: 4.62 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF096414.D

Acq: 2 Jul 2017 14:21

Instrument :

BNA_F

ClientSampleId :

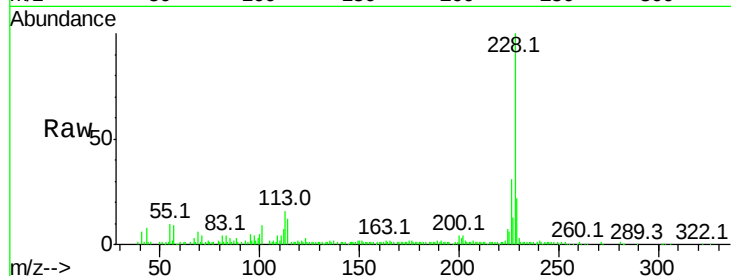
Tot Ion:228 Resp: 76393

Ion Ratio Lower Upper

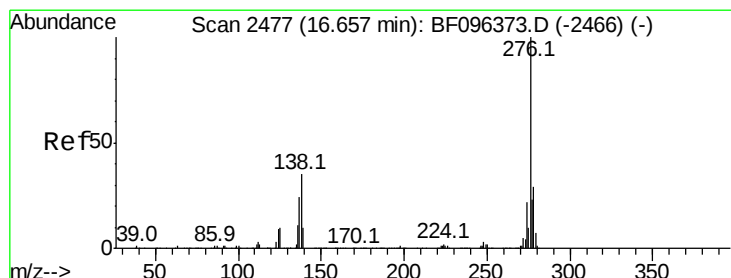
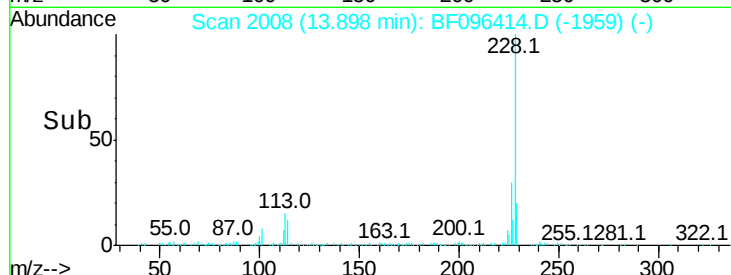
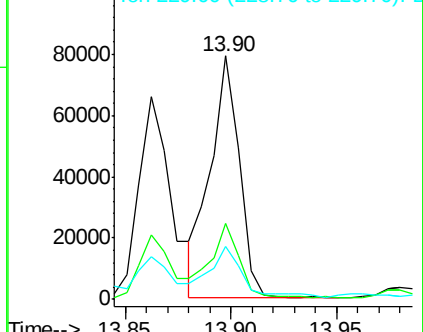
228 100

226 30.9 24.9 37.3

229 21.7 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.30 ng

RT: 16.65 min Scan# 2476

Delta R.T. -0.01 min

Lab File: BF096414.D

Acq: 2 Jul 2017 14:21

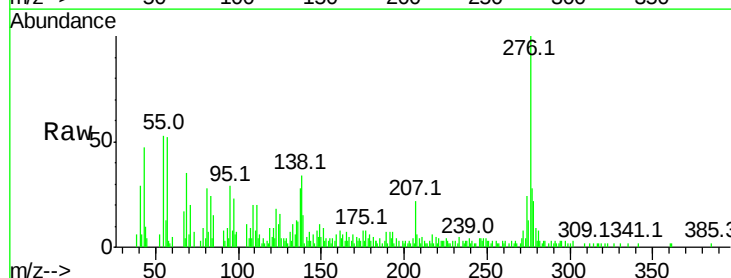
Tgt Ion:276 Resp: 29956

Ion Ratio Lower Upper

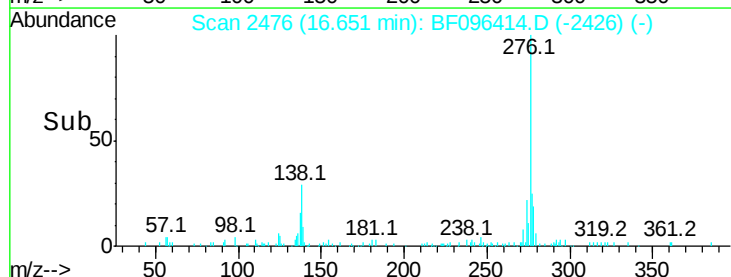
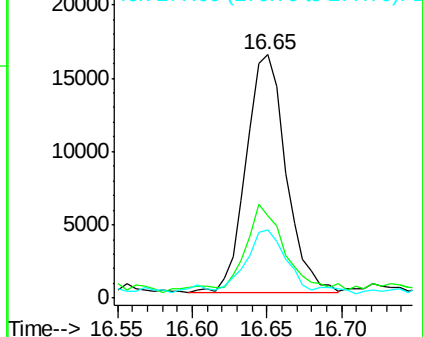
276 100

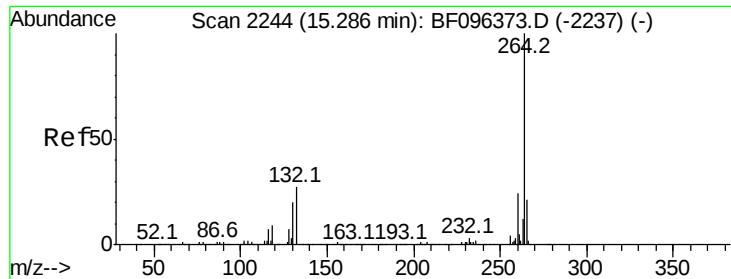
138 38.7 27.8 41.6

277 28.2 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

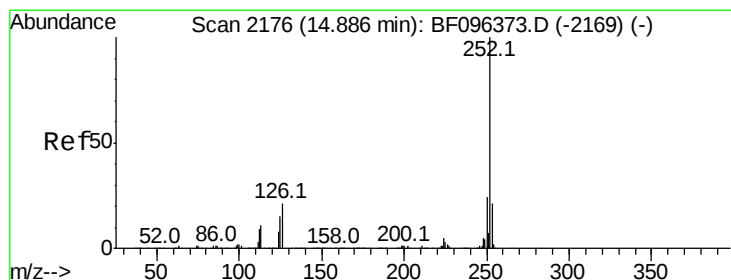
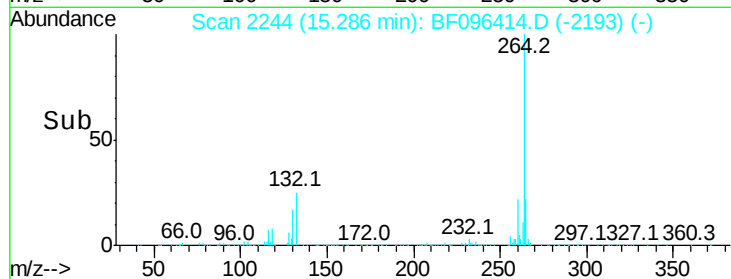
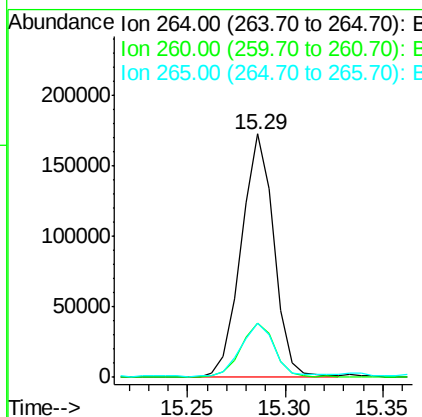
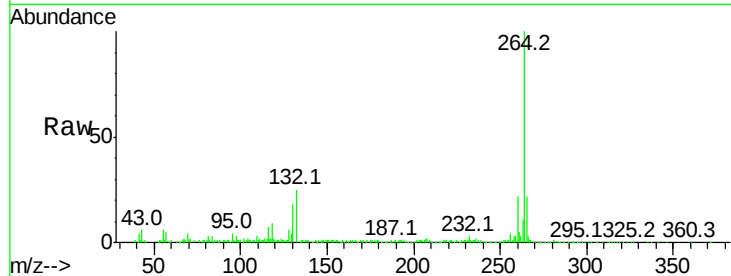




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.00 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

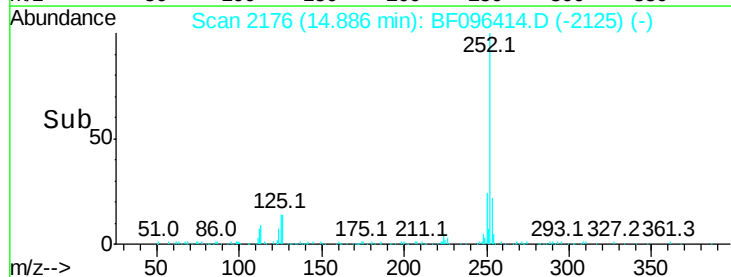
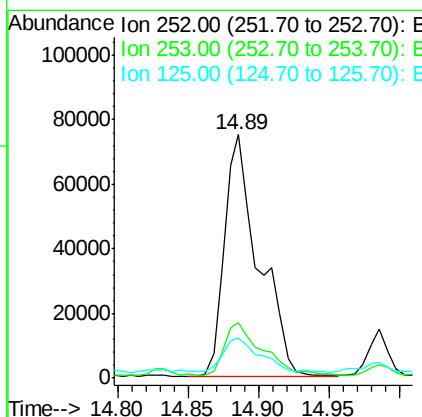
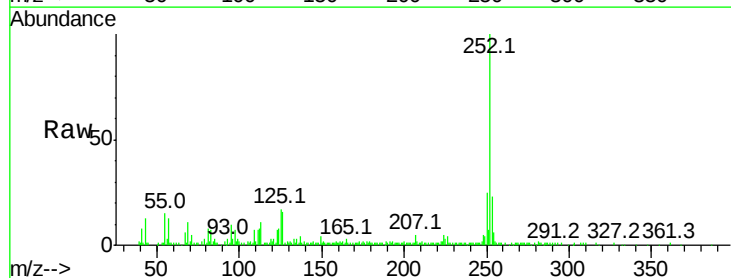
Instrument :
BNA_F
ClientSampleId :

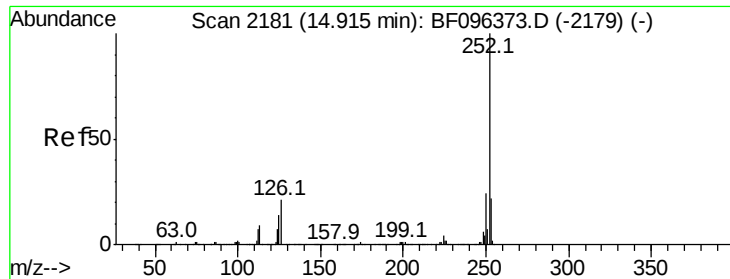
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.5	29.3
265	22.2	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 10.22 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	16.7	9.8	14.8#

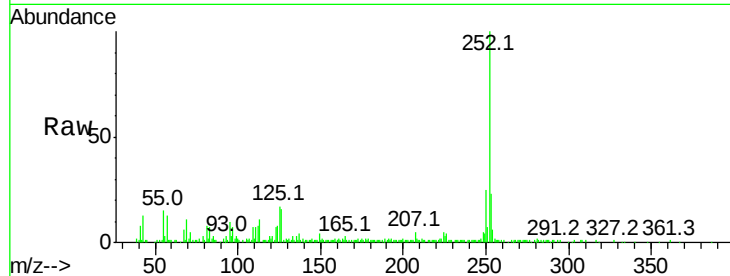




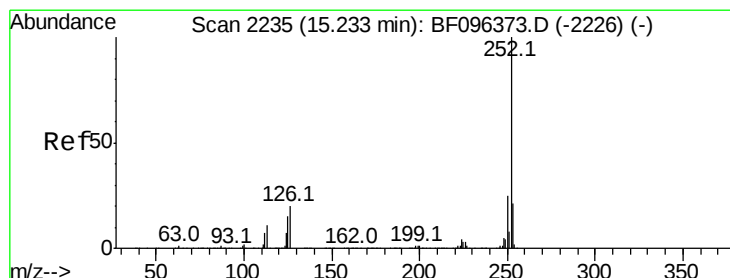
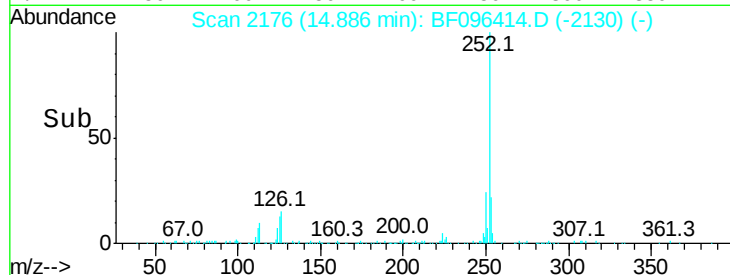
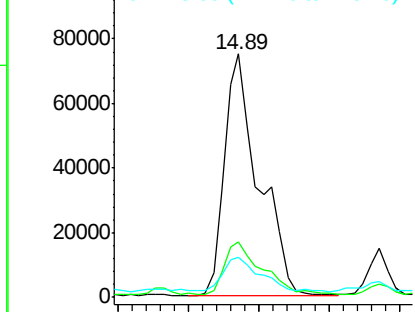
#88
Benzo(k)fluoranthene
Concen: 11.43 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.03 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 127722
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 16.7 13.1 19.7

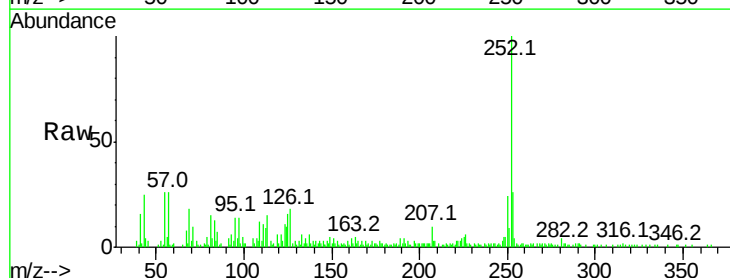


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

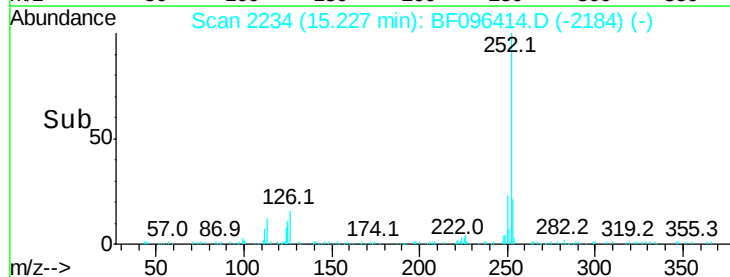
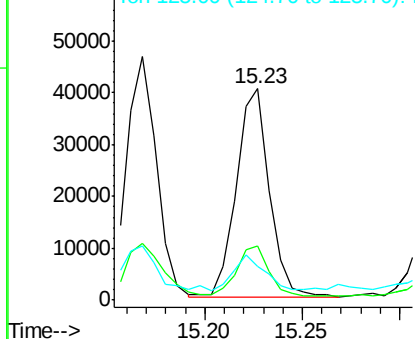


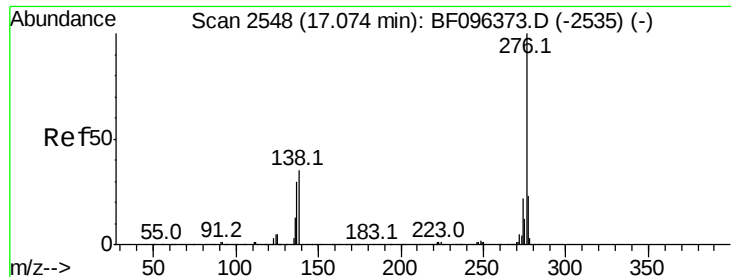
#89
Benzo(a)pyrene
Concen: 4.23 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF096414.D
Acq: 2 Jul 2017 14:21

Tgt Ion:252 Resp: 47145
Ion Ratio Lower Upper
252 100
253 25.5 17.5 26.3
125 16.1 11.0 16.4



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

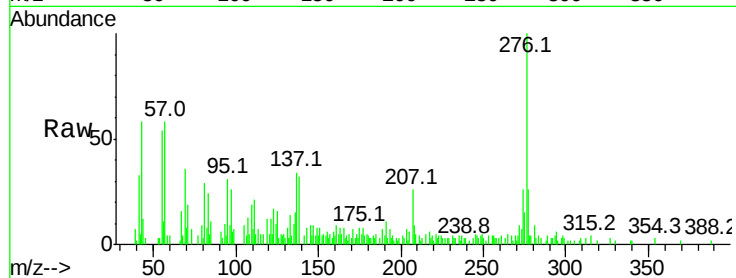




#91
 Benzo(a,h,i)perylene
 Concen: 3.08 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. -0.01 min
 Lab File: BF096414.D
 Acq: 2 Jul 2017 14:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.6	28.0
138	32.3	25.4	38.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

