

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070217\
 Data File : BF096413.D
 Acq On : 2 Jul 2017 13:53
 Operator : SJ/MA
 Sample : I3950-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 03 04:30:35 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	174646	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	550415	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	249548	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	356732	20.00	ng	0.00
75) Chrysene-d12	13.87	240	261448	20.00	ng	0.00
86) Perylene-d12	15.29	264	214720	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1154723	97.59	ng	0.00
7) Phenol-d6	6.37	99	1538316	105.75	ng	0.00
23) Nitrobenzene-d5	7.30	82	868337	94.80	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	214766	110.18	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1130926	77.49	ng	0.00
78) Terphenyl-d14	12.83	244	659544	53.91	ng	0.00

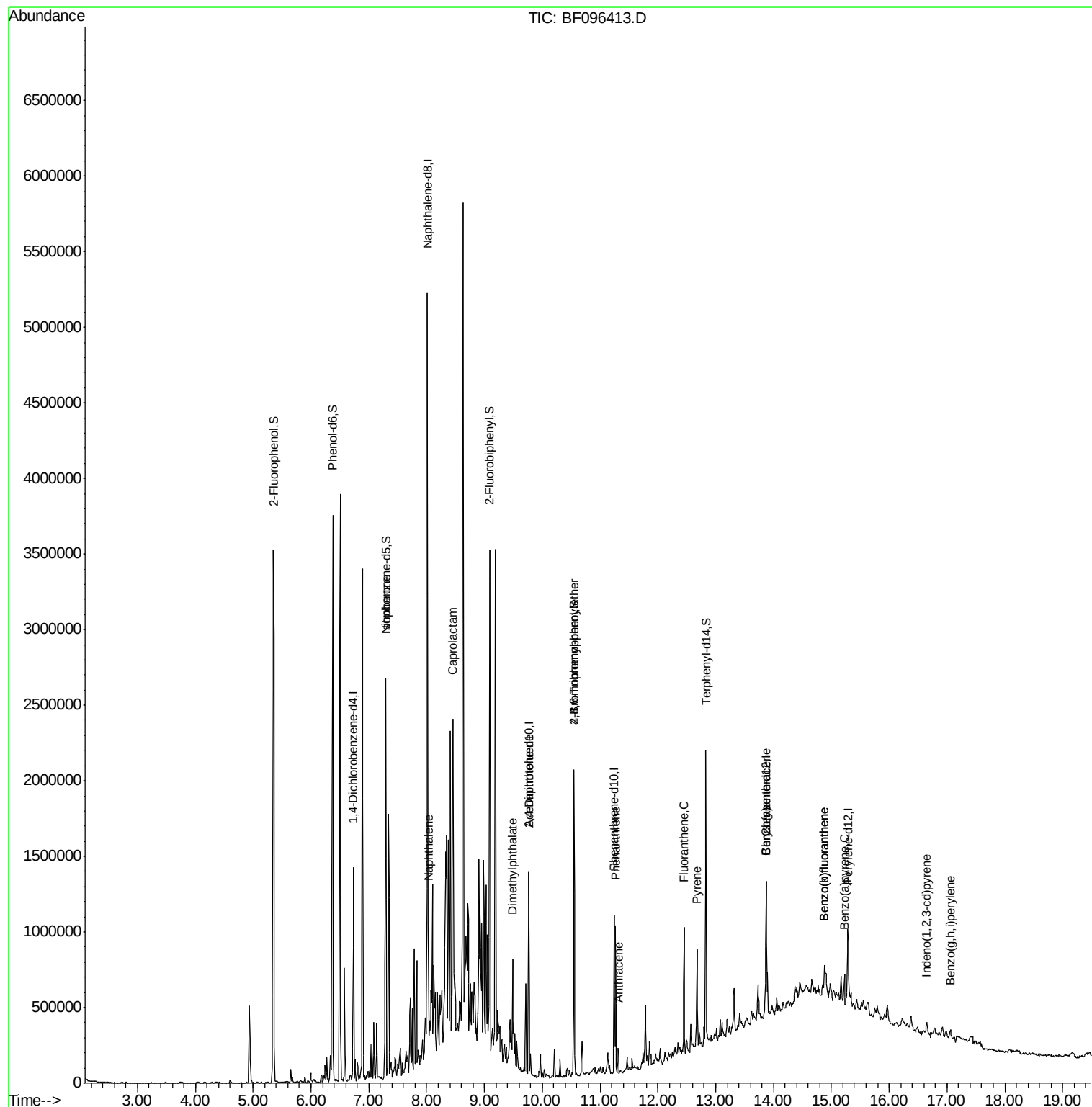
Target Compounds						Qvalue
25) Isophorone	7.30	82	860812	48.47	ng	# 67
31) Naphthalene	8.03	128	53008	2.04	ng	98
35) Caprolactam	8.46	113	32278	12.53	ng	# 1
49) Dimethylphthalate	9.49	163	259004	13.90	ng	97
56) 2,4-Dinitrotoluene	9.77	165	33663	6.45	ng	# 33
66) 4-Bromophenyl-phenylether	10.55	248	14141	4.07	ng	# 1
70) Phenanthrene	11.27	178	325729	16.89	ng	99
71) Anthracene	11.32	178	52674	2.68	ng	100
74) Fluoranthene	12.45	202	319645	16.91	ng	98
77) Pyrene	12.68	202	263405	12.55	ng	100
80) Benzo(a)anthracene	13.86	228	112726	7.45	ng	97
82) Chrysene	13.86	228	112726	7.11	ng	98
85) Indeno(1,2,3-cd)pyrene	16.65	276	38972	3.11	ng	94
87) Benzo(b)fluoranthene	14.89	252	141003	10.48	ng	# 88
88) Benzo(k)fluoranthene	14.89	252	141003	11.72	ng	# 92
89) Benzo(a)pyrene	15.23	252	75624	6.30	ng	# 92
91) Benzo(g,h,i)perylene	17.06	276	39789	4.06	ng	97

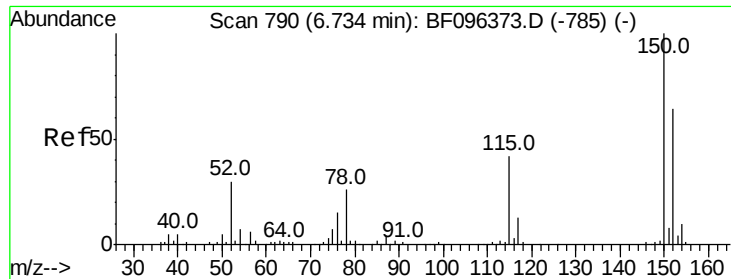
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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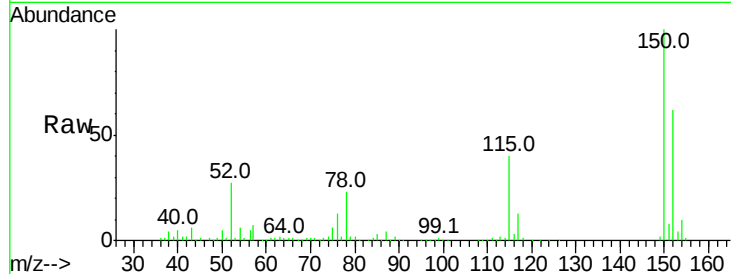


#1

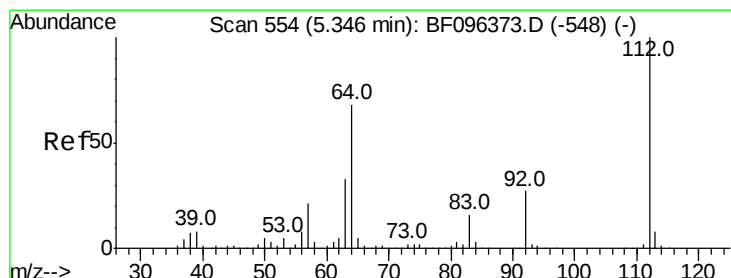
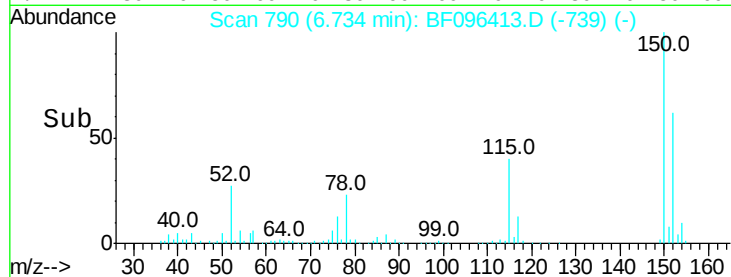
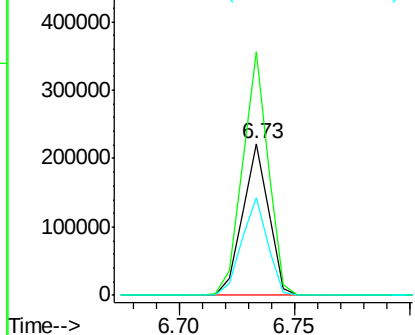
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 174646
Ion Ratio Lower Upper
152 100
150 160.6 126.2 189.2
115 64.3 52.2 78.2



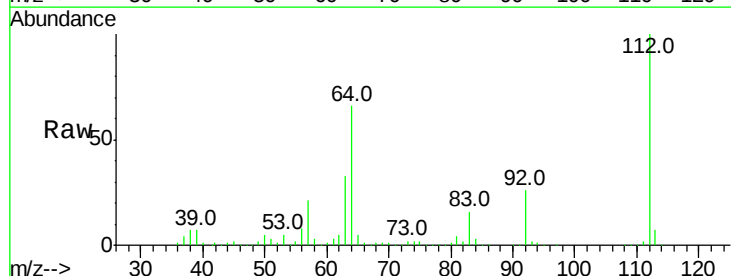
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



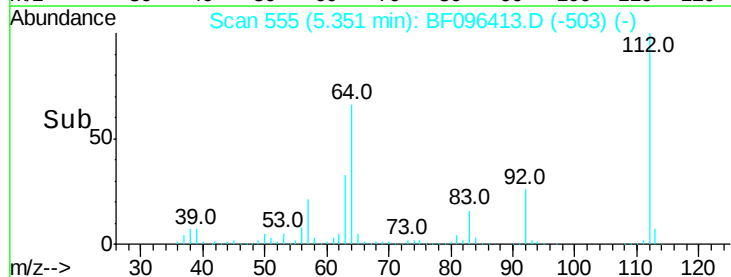
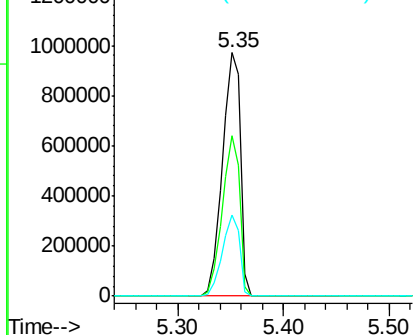
#5

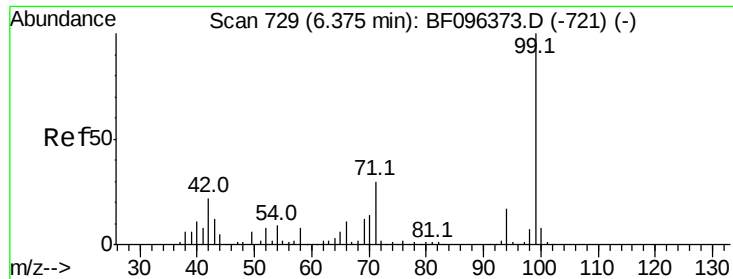
2-Fluorophenol
Concen: 97.59 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

Tgt Ion:112 Resp: 1154723
Ion Ratio Lower Upper
112 100
64 66.1 46.0 69.0
63 33.5 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: 105.75 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF096413.D

Acq: 2 Jul 2017 13:53

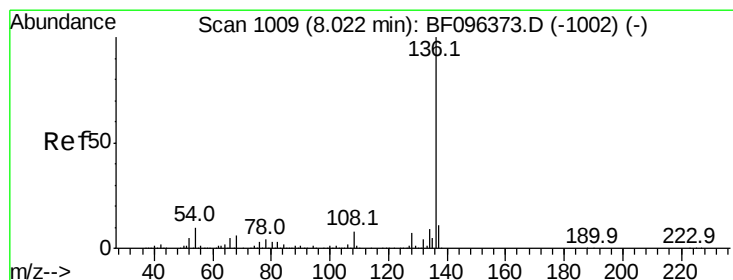
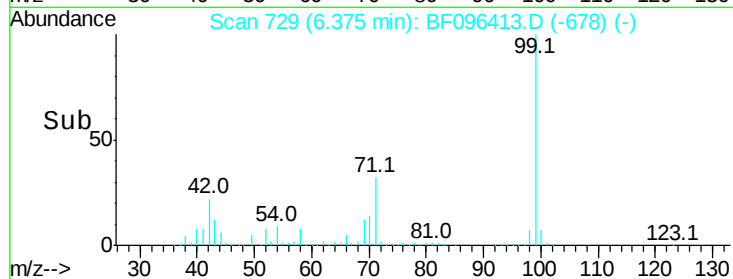
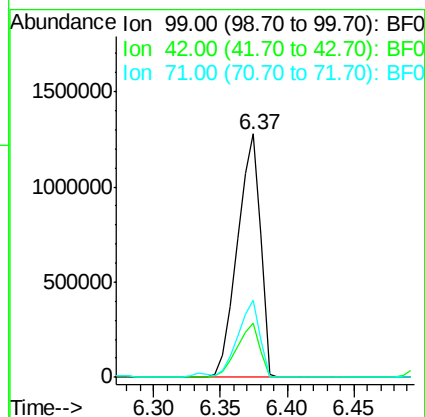
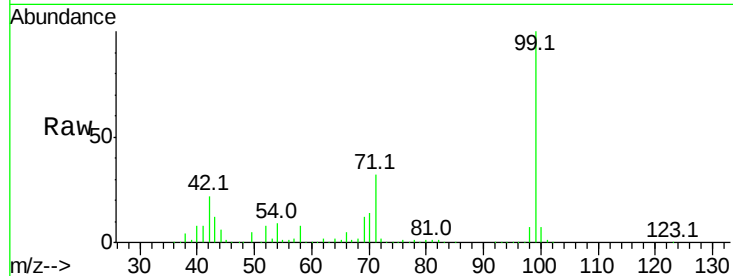
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1538316

Ion	Ratio	Lower	Upper
99	100		
42	22.3	13.5	20.3#
71	31.6	24.5	36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 1008

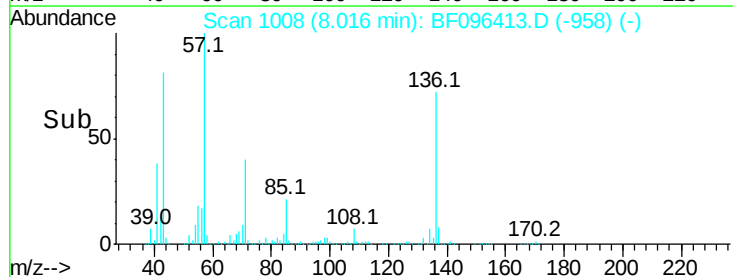
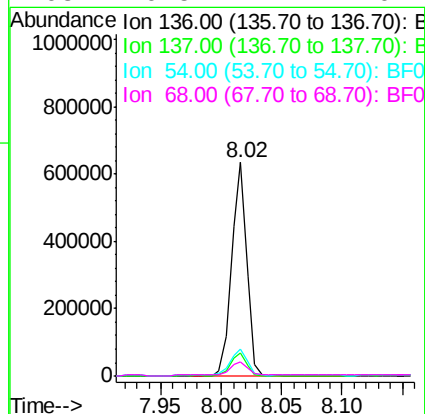
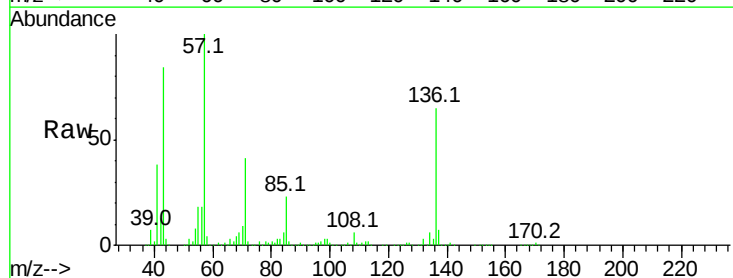
Delta R.T. -0.01 min

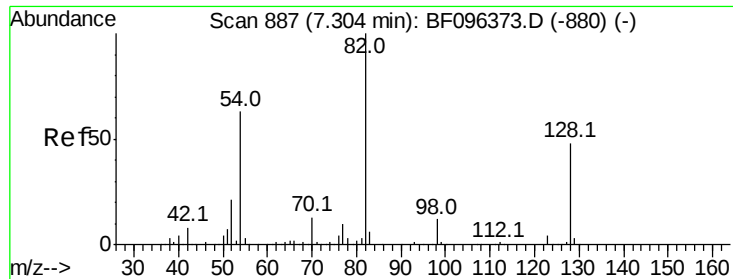
Lab File: BF096413.D

Acq: 2 Jul 2017 13:53

Tgt Ion: 136 Resp: 550415

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	12.8	4.9	7.3#
68	6.5	4.1	6.1#

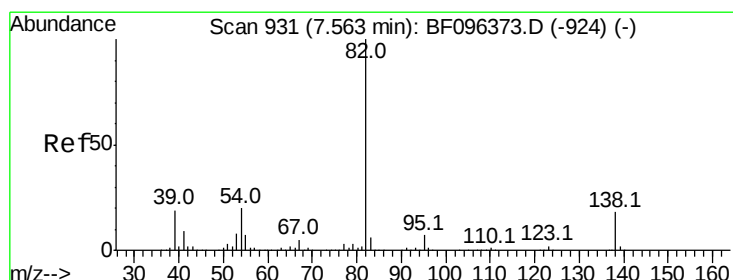
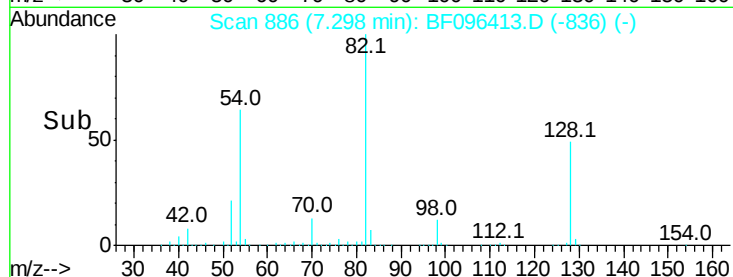
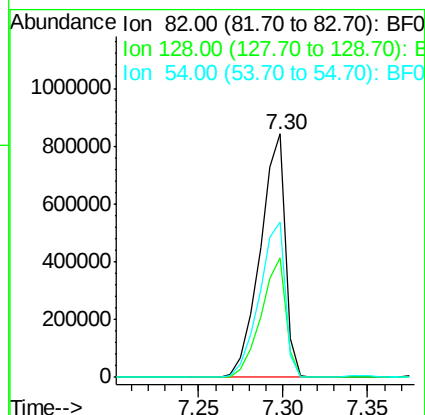
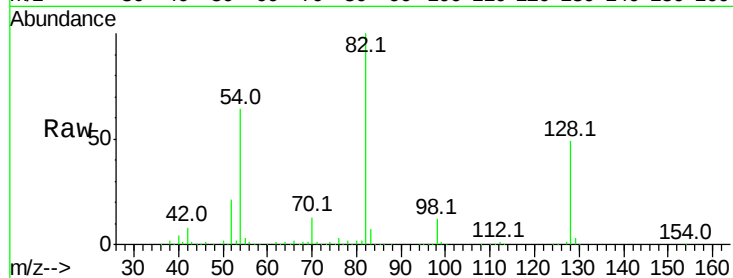




#23
Nitrobenzene-d5
Concen: 94.80 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

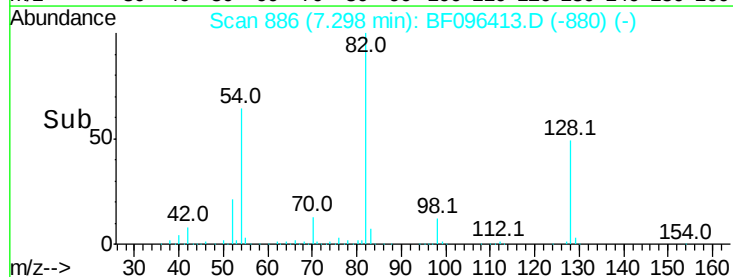
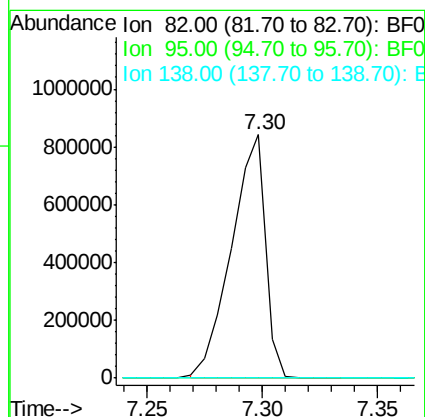
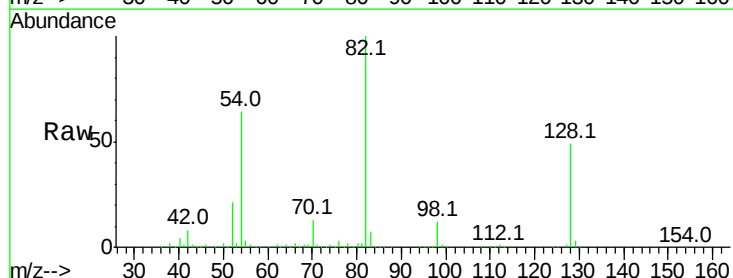
Instrument :
BNA_F
ClientSampleId :

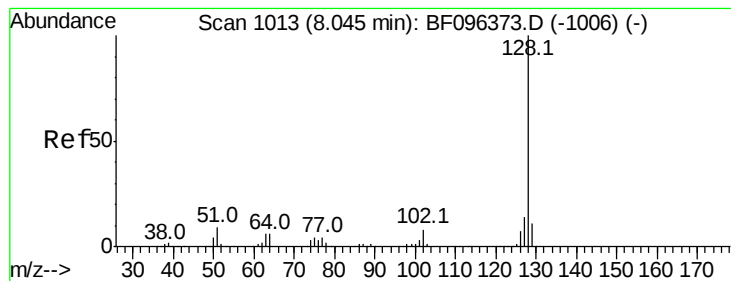
Tot Ion: 82 Resp: 868337
Ion Ratio Lower Upper
82 100
128 48.9 34.0 51.0
54 63.7 42.2 63.2#



#25
Isophorone
Concen: 48.47 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

Tgt Ion: 82 Resp: 860812
Ion Ratio Lower Upper
82 100
95 0.2 5.3 7.9#
138 0.0 13.1 19.7#





#31

Naphthalene

Concen: 2.04 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF096413.D

Acq: 2 Jul 2017 13:53

Instrument :

BNA_F

ClientSampleId :

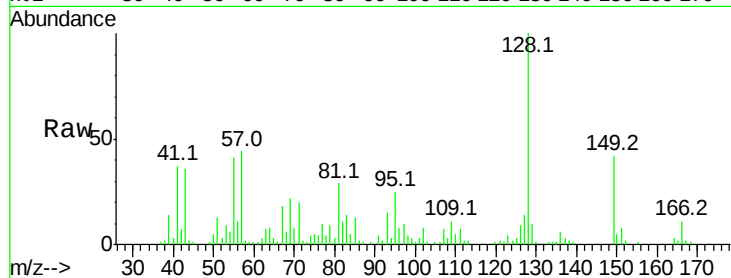
Tot Ion:128 Resp: 53008

Ion Ratio Lower Upper

128 100

129 10.1 9.0 13.6

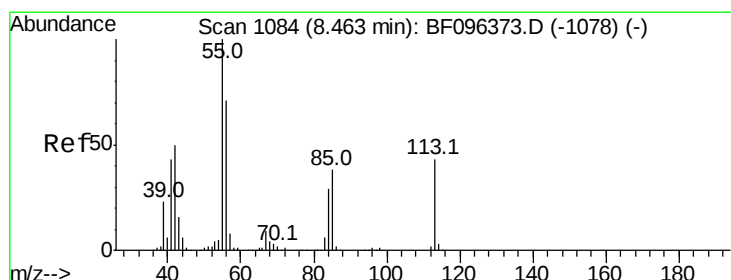
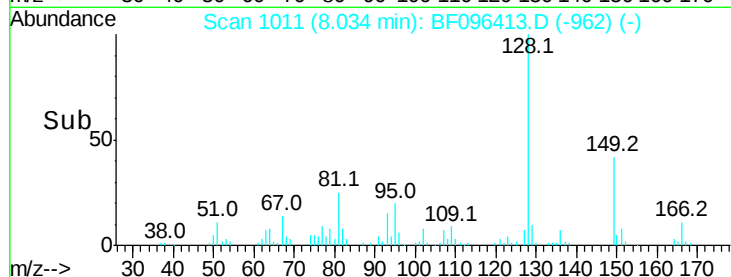
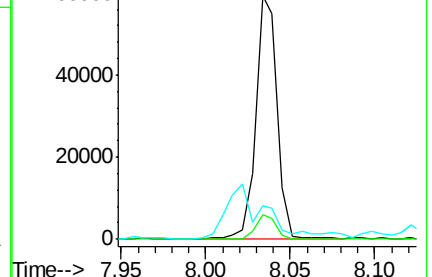
127 13.7 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#35

Caprolactam

Concen: 12.53 ng

RT: 8.46 min Scan# 1083

Delta R.T. -0.01 min

Lab File: BF096413.D

Acq: 2 Jul 2017 13:53

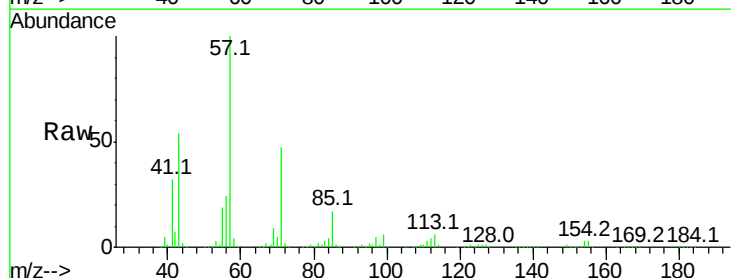
Tgt Ion:113 Resp: 32278

Ion Ratio Lower Upper

113 100

55 330.6 150.2 190.2#

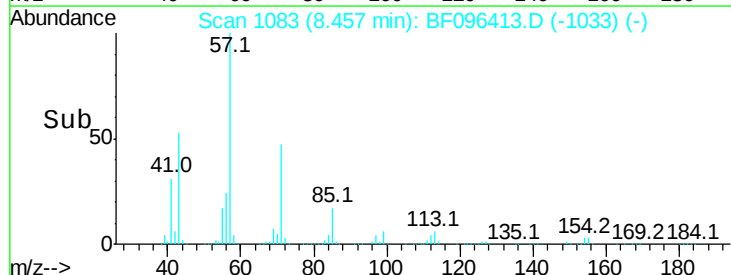
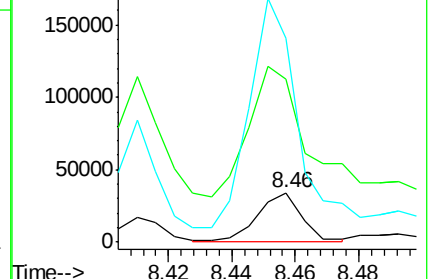
56 414.2 107.8 147.8#

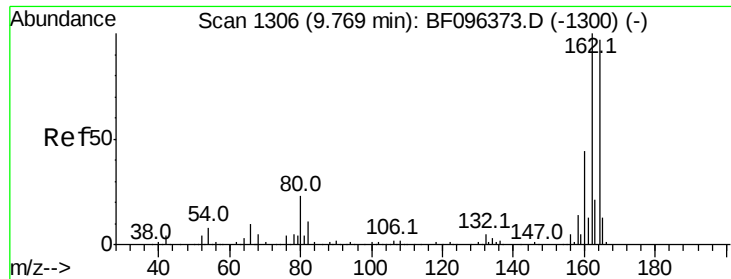


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

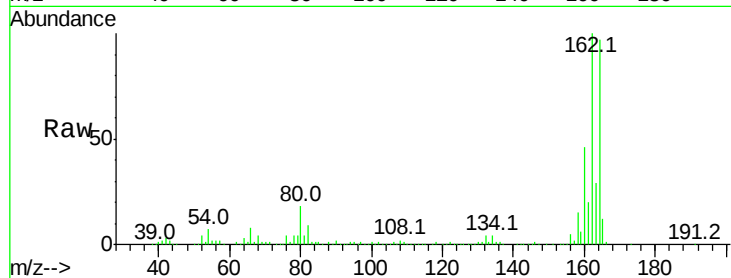




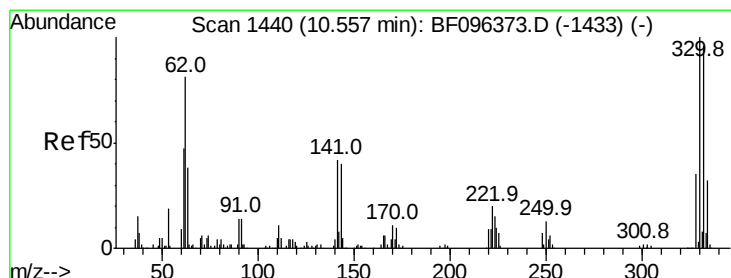
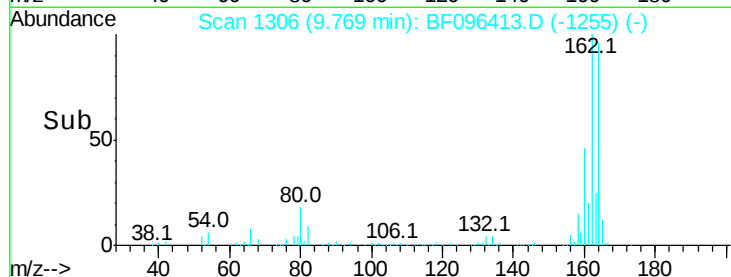
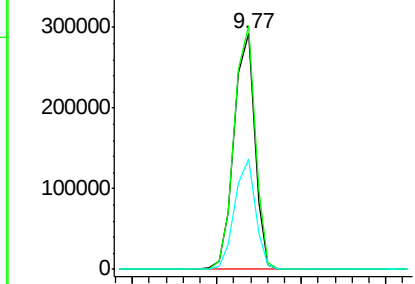
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: BF096413.D
 Acq: 2 Jul 2017 13:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.6	123.8
160	47.0	36.2	54.2

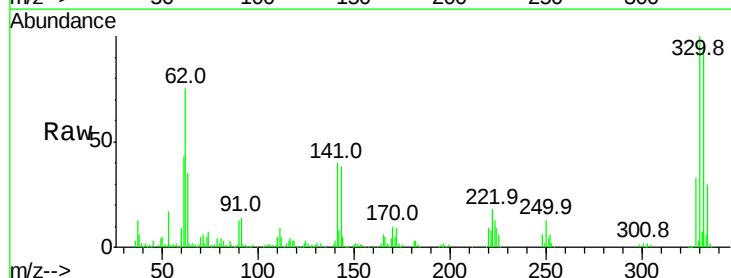


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

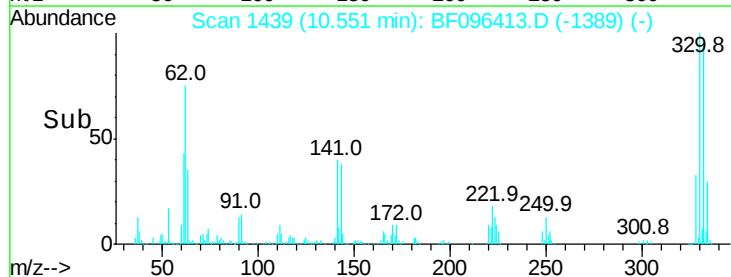
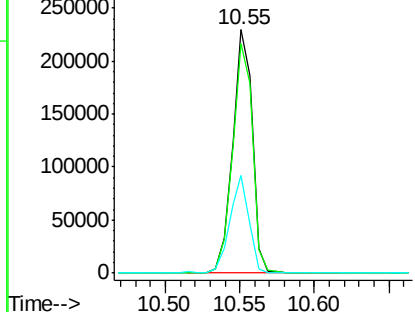


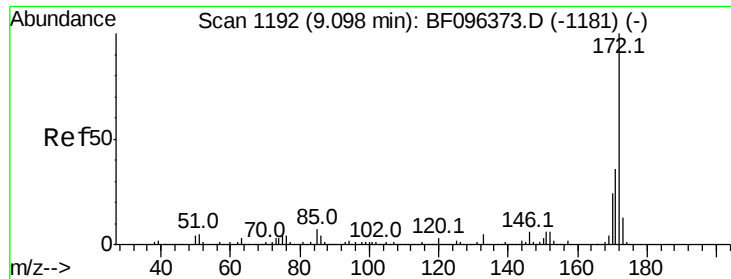
#41
 2,4,6-Tribromophenol
 Concen: 110.18 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF096413.D
 Acq: 2 Jul 2017 13:53

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.6	115.0
141	39.2	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



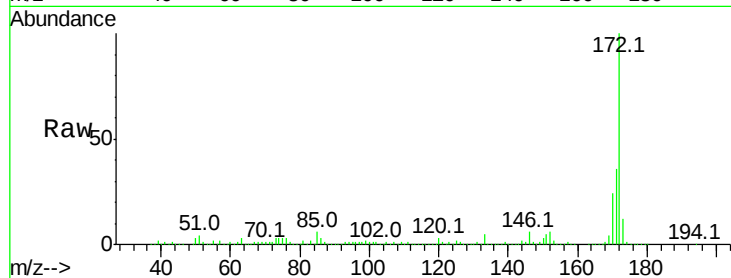


#44
 2-Fluorobiphenyl
 Concen: 77.49 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF096413.D
 Acq: 2 Jul 2017 13:53

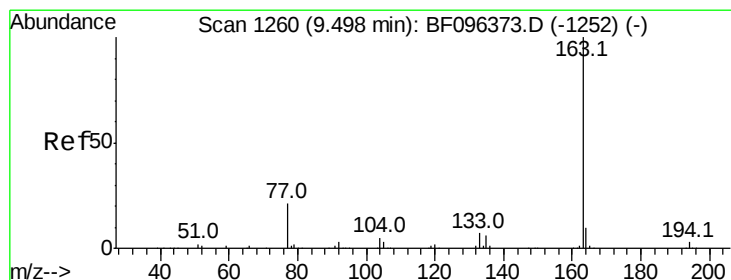
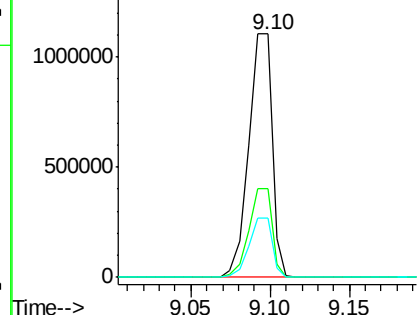
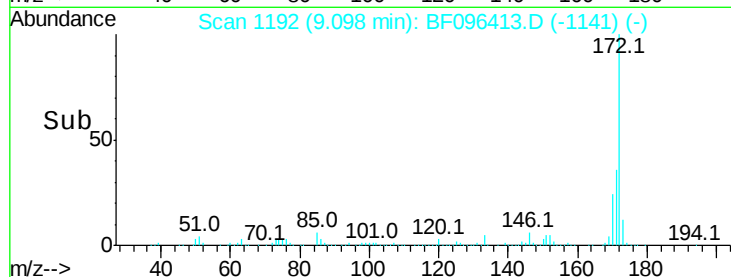
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1130926

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.2	19.8	29.8



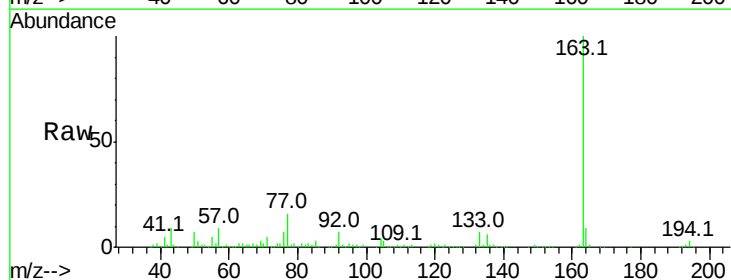
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



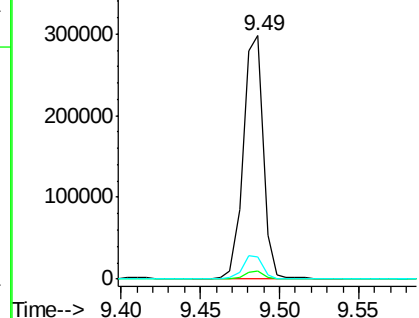
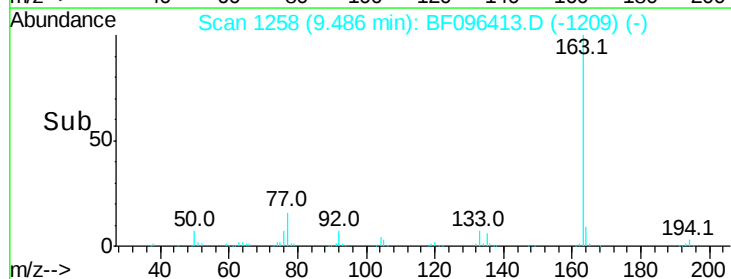
#49
 Dimethylphthalate
 Concen: 13.90 ng
 RT: 9.49 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: BF096413.D
 Acq: 2 Jul 2017 13:53

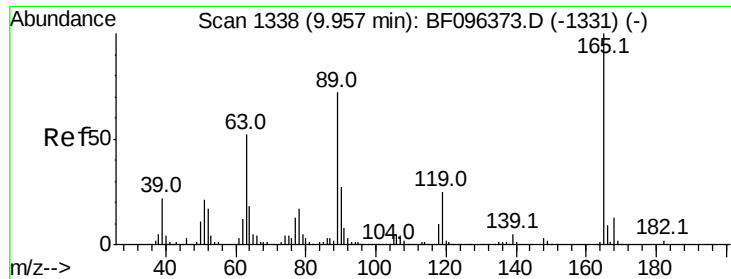
Tgt Ion:163 Resp: 259004

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.1	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

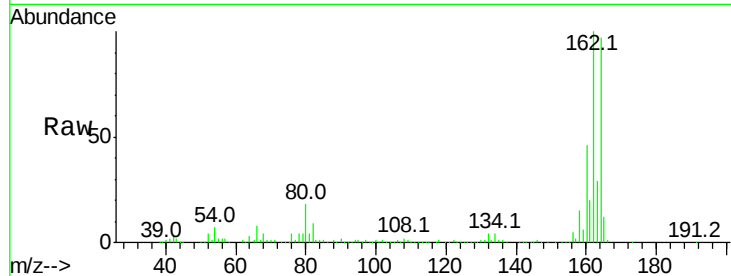




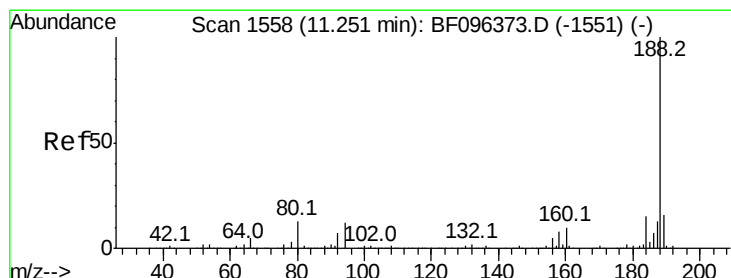
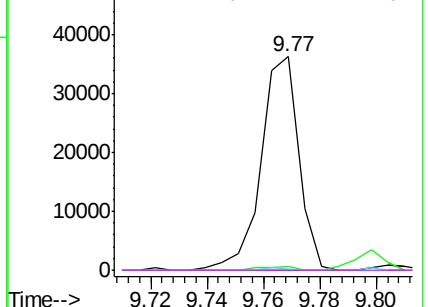
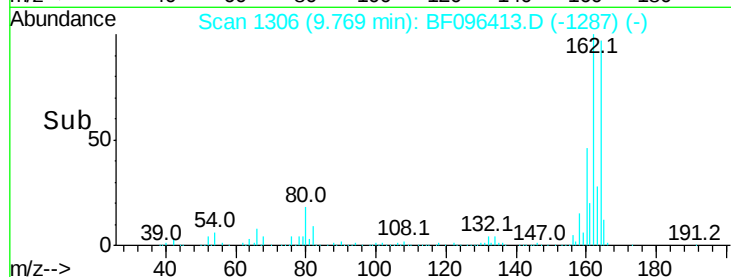
#56
 2,4-Dinitrotoluene
 Concen: 6.45 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.19 min
 Lab File: BF096413.D
 Acq: 2 Jul 2017 13:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 33663
 Ion Ratio Lower Upper
 165 100
 63 1.6 25.4 38.0#
 89 0.8 46.4 69.6#
 182 0.0 1.8 2.6#

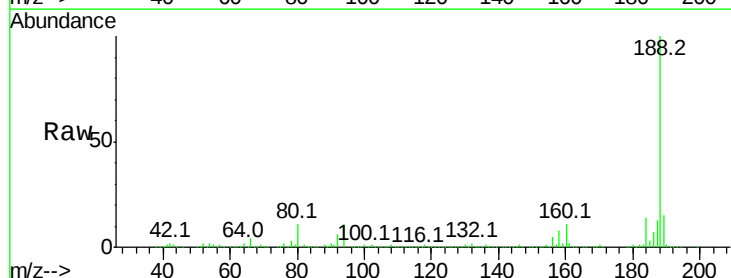


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

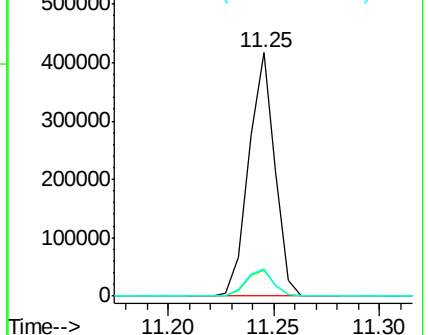
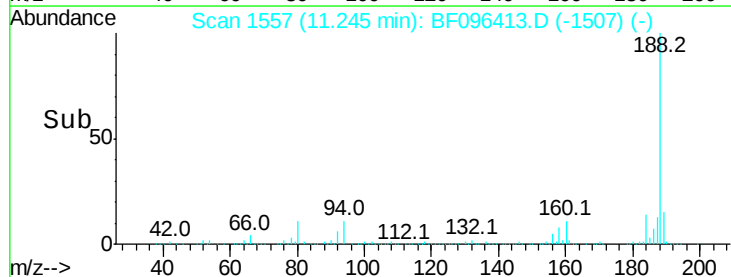


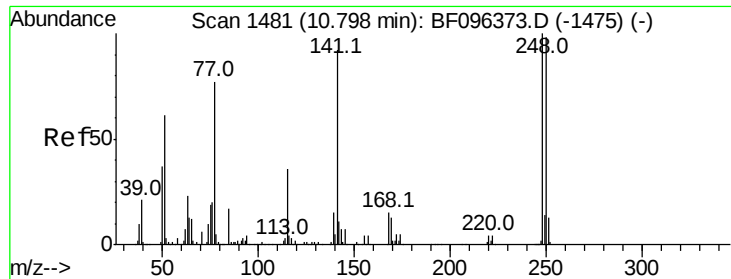
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF096413.D
 Acq: 2 Jul 2017 13:53

Tgt Ion:188 Resp: 356732
 Ion Ratio Lower Upper
 188 100
 94 10.9 9.4 14.2
 80 11.4 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

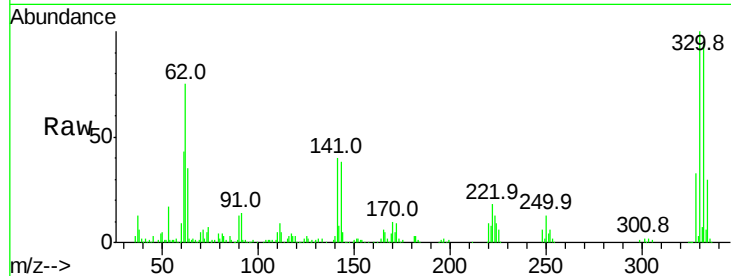




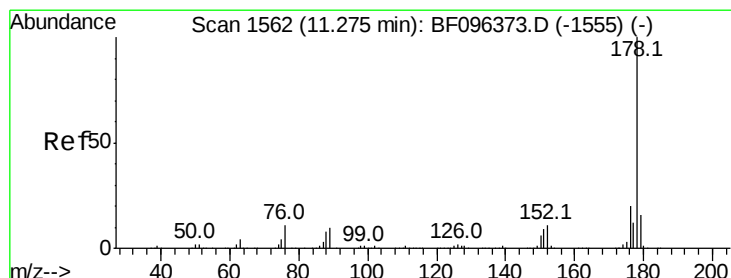
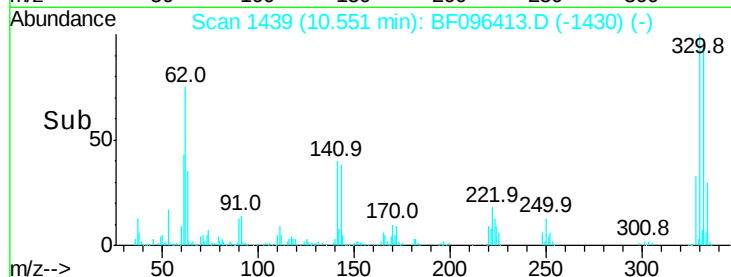
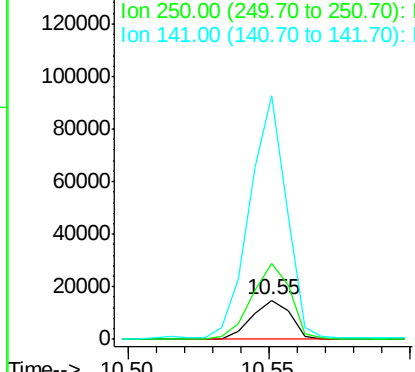
#66
 4-Bromophenyl-phenylether
 Concen: 4.07 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF096413.D
 Acq: 2 Jul 2017 13:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 14141
 Ion Ratio Lower Upper
 248 100
 250 194.5 76.8 115.2#
 141 621.2 68.6 103.0#

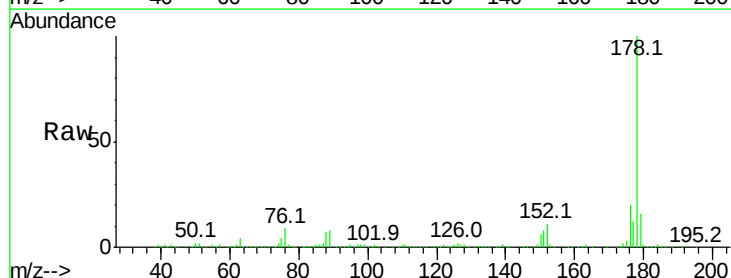


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

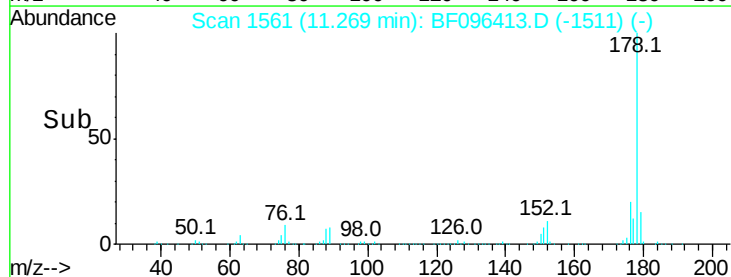
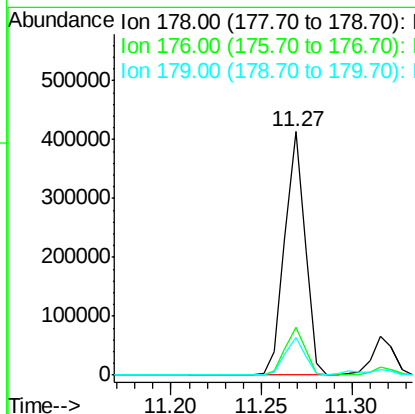


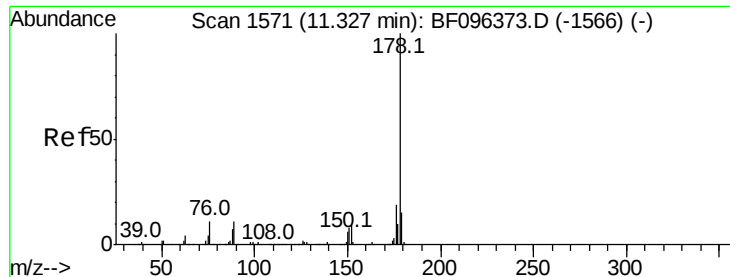
#70
 Phenanthrene
 Concen: 16.89 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF096413.D
 Acq: 2 Jul 2017 13:53

Tgt Ion:178 Resp: 325729
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.2 24.4
 179 15.5 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

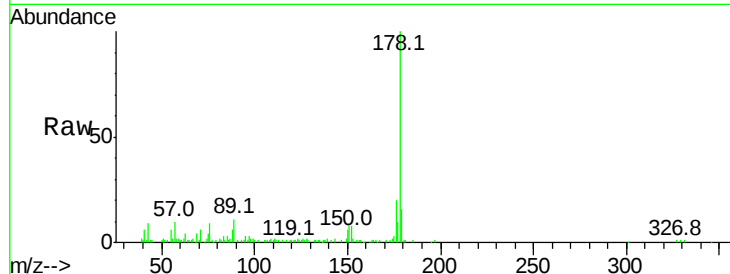




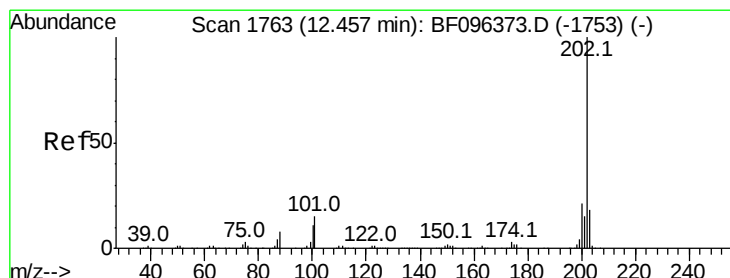
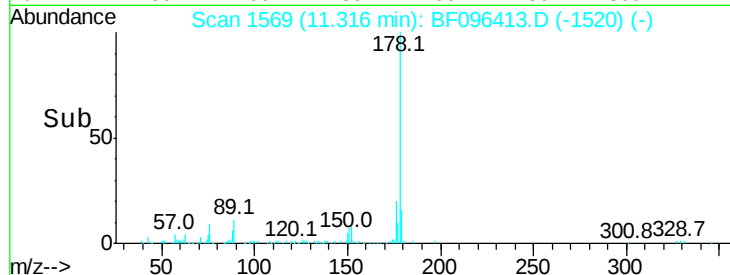
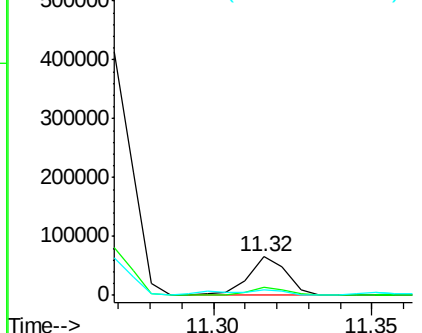
#71
 Anthracene
 Concen: 2.68 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF096413.D
 Acq: 2 Jul 2017 13:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 52674
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.8 23.8
 179 16.0 12.7 19.1

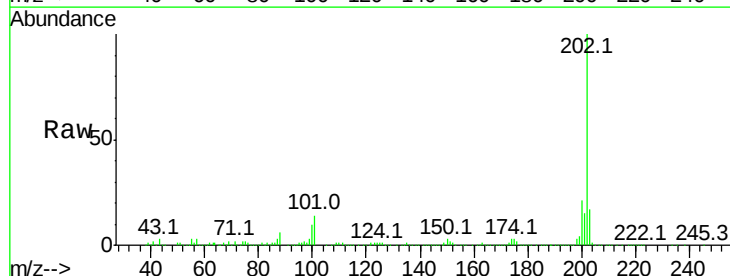


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

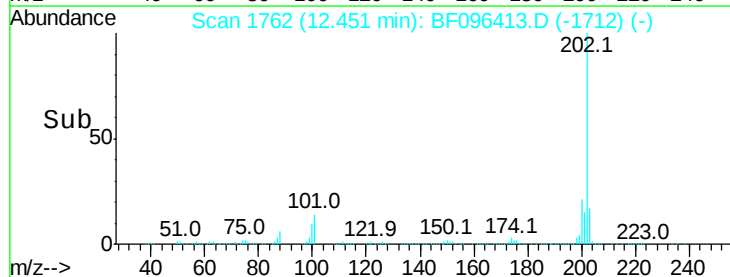
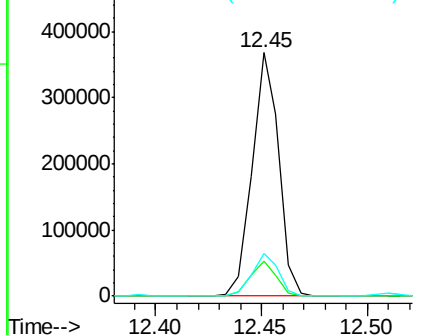


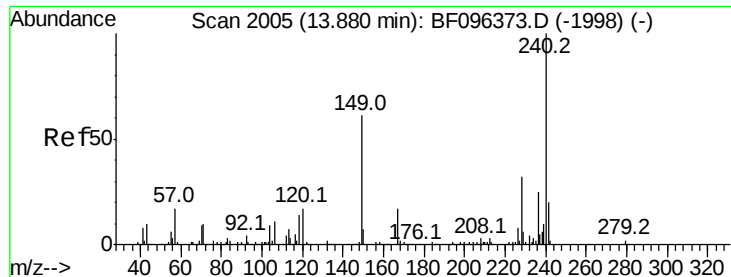
#74
 Fluoranthene
 Concen: 16.91 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: BF096413.D
 Acq: 2 Jul 2017 13:53

Tgt Ion:202 Resp: 319645
 Ion Ratio Lower Upper
 202 100
 101 14.3 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: BF096413.D

Acq: 2 Jul 2017 13:53

Instrument :

BNA_F

ClientSampleId :

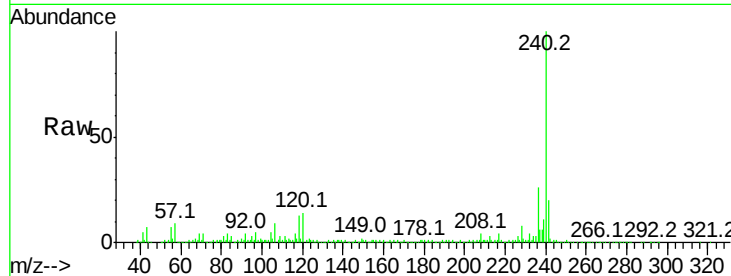
Tot Ion:240 Resp: 261448

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

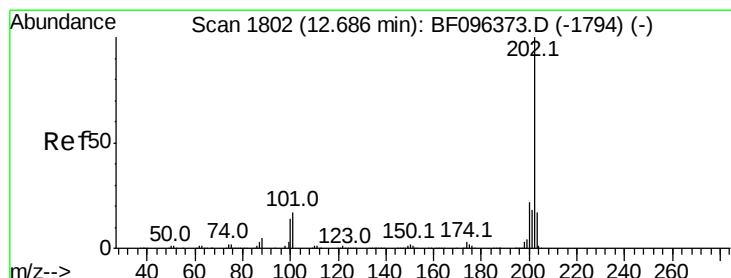
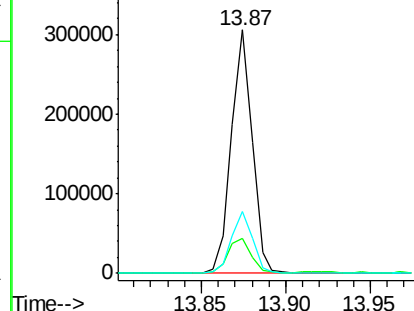
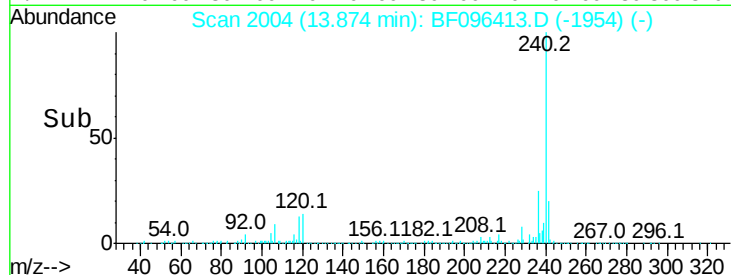
236 25.6 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 12.55 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF096413.D

Acq: 2 Jul 2017 13:53

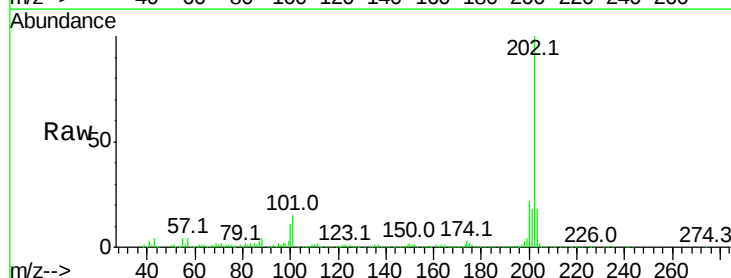
Tgt Ion:202 Resp: 263405

Ion Ratio Lower Upper

202 100

200 22.0 17.6 26.4

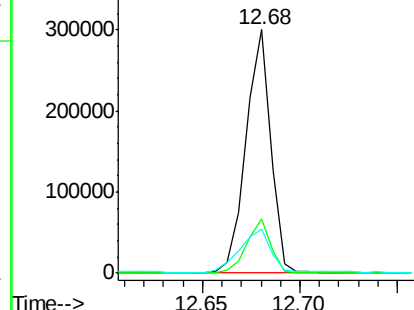
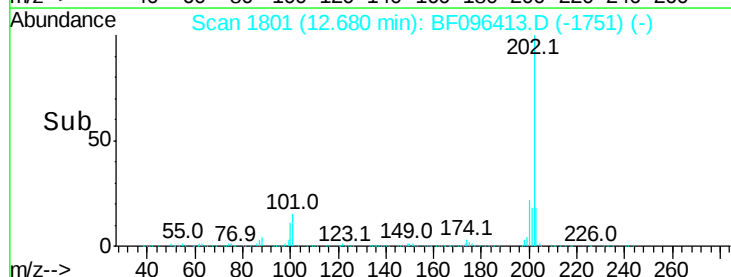
203 18.2 14.4 21.6

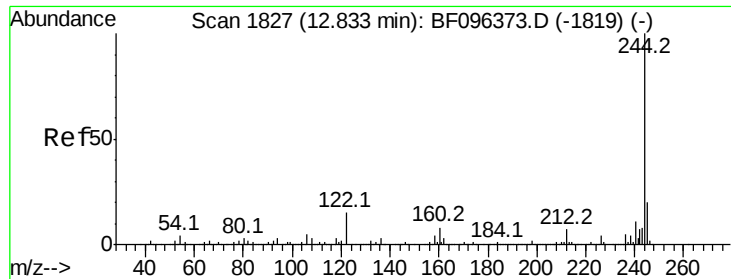


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

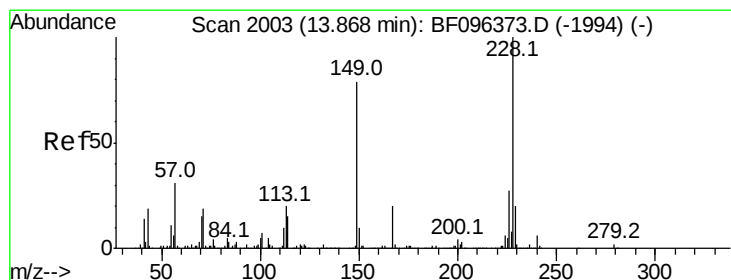
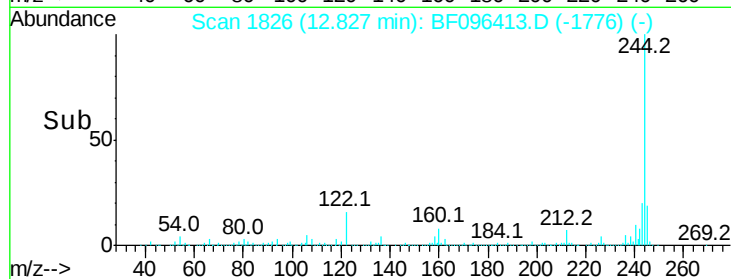
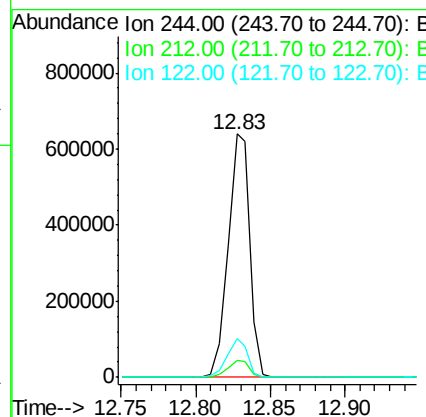
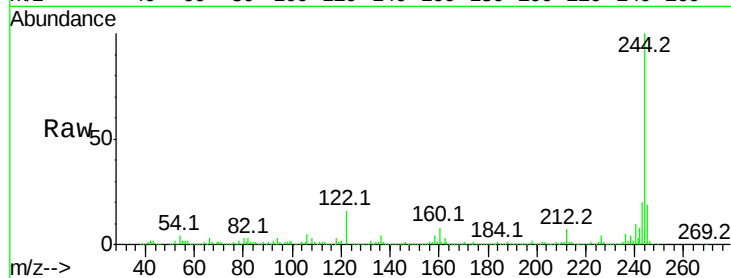




#78
 Terphenyl-d14
 Concen: 53.91 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF096413.D
 Acq: 2 Jul 2017 13:53

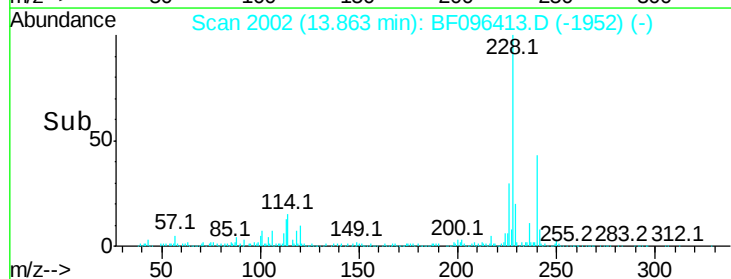
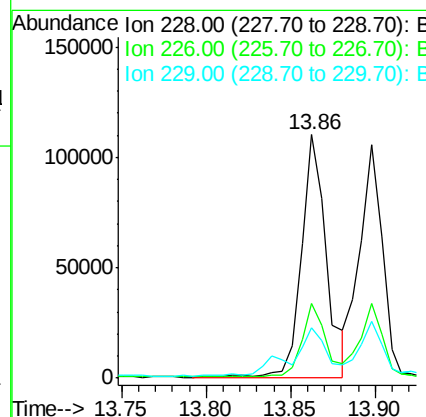
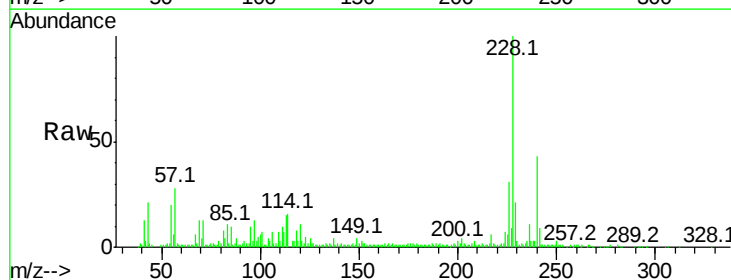
Instrument :
 BNA_F
 ClientSampleId :

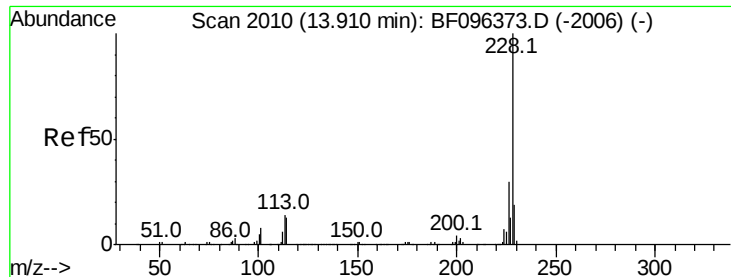
Tot Ion:244 Resp: 659544
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 15.8 10.3 15.5#



#80
 Benzo(a)anthracene
 Concen: 7.45 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF096413.D
 Acq: 2 Jul 2017 13:53

Tgt Ion:228 Resp: 112726
 Ion Ratio Lower Upper
 228 100
 226 30.7 22.6 33.8
 229 20.9 16.3 24.5





#82

Chrysene

Concen: 7.11 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.05 min

Lab File: BF096413.D

Acq: 2 Jul 2017 13:53

Instrument :

BNA_F

ClientSampled :

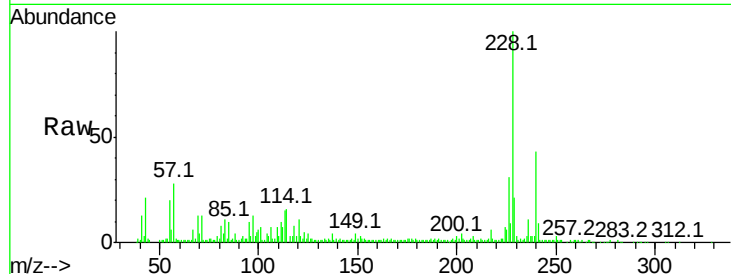
Tot Ion:228 Resp: 112726

Ion Ratio Lower Upper

228 100

226 30.7 24.9 37.3

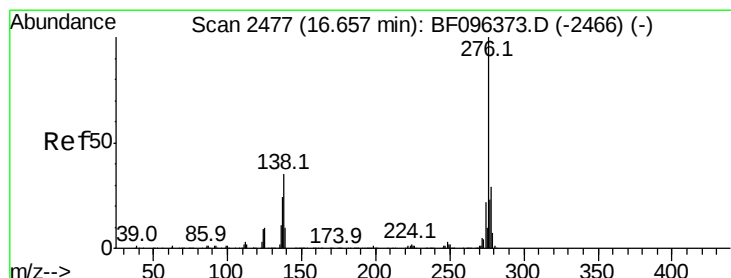
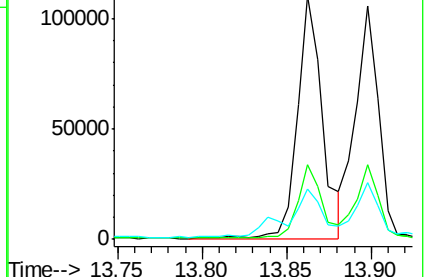
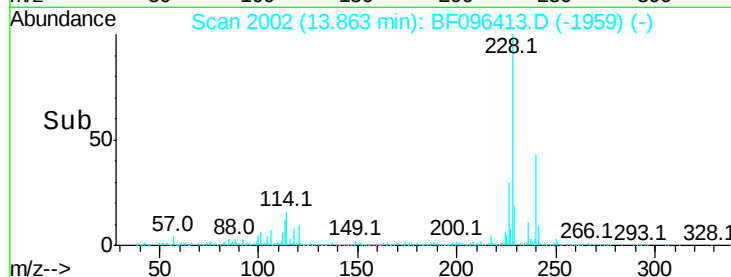
229 20.9 15.8 23.6



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: 3.11 ng

RT: 16.65 min Scan# 2476

Delta R.T. -0.01 min

Lab File: BF096413.D

Acq: 2 Jul 2017 13:53

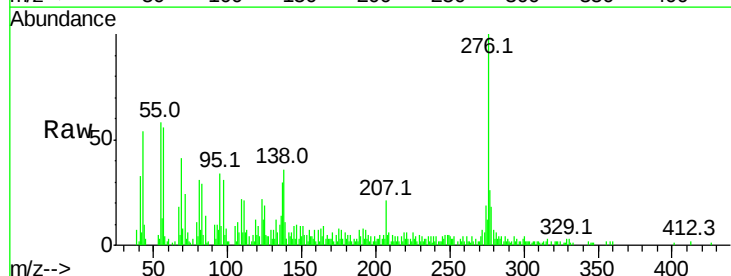
Tgt Ion:276 Resp: 38972

Ion Ratio Lower Upper

276 100

138 37.4 27.8 41.6

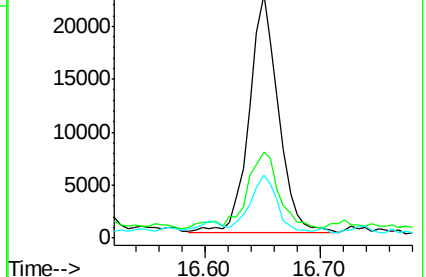
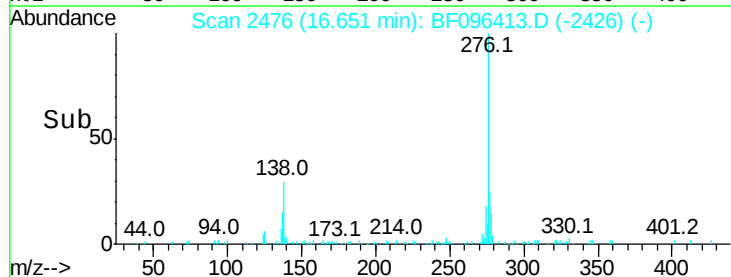
277 21.9 20.2 30.4

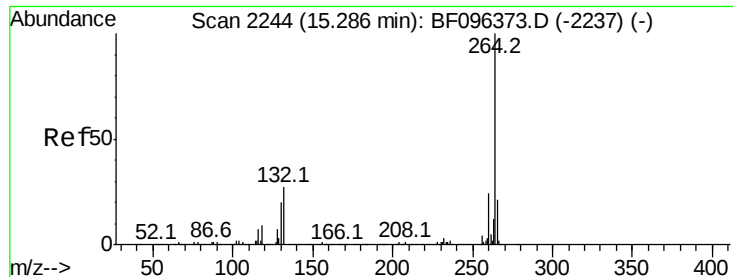


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



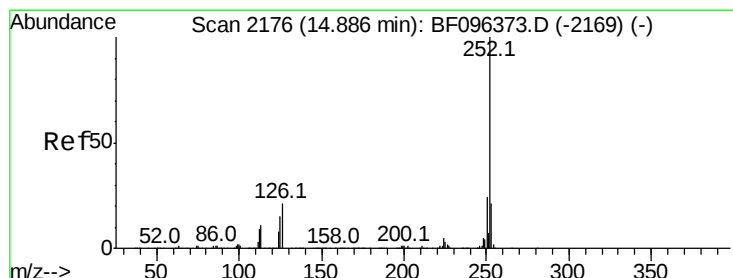
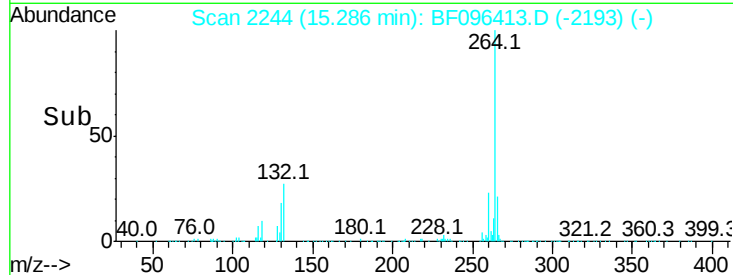
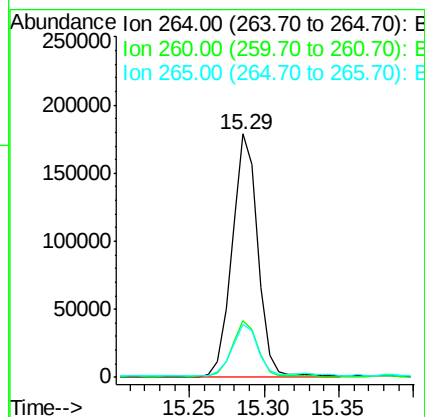
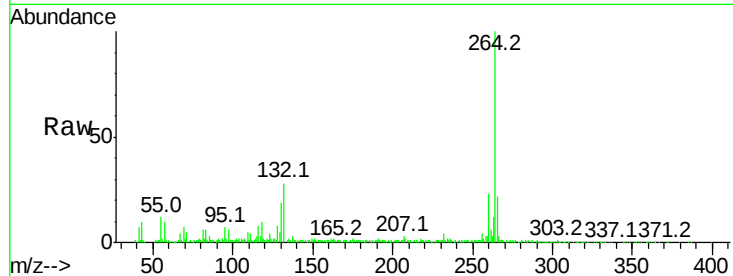


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.00 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 214720

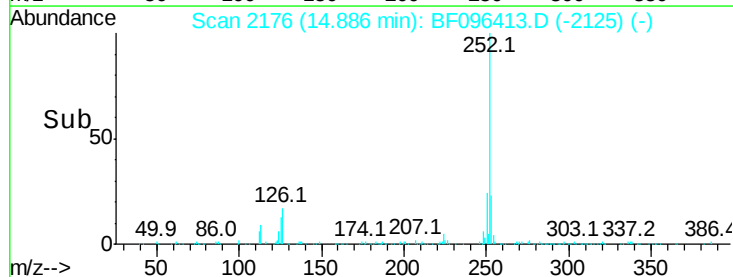
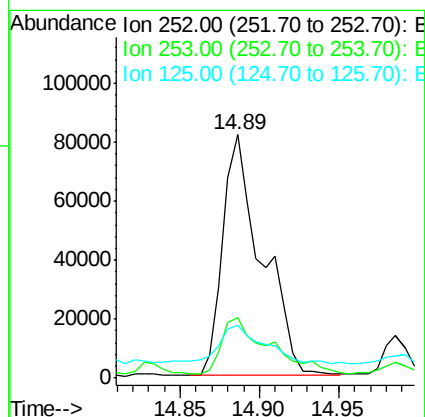
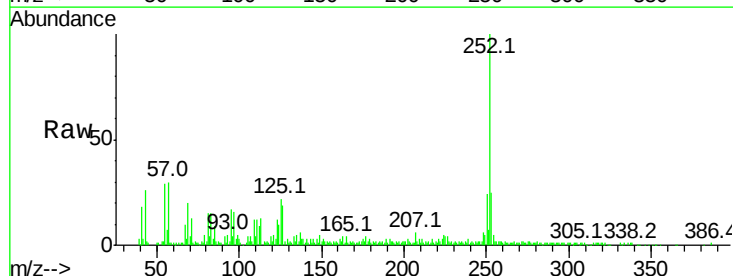
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.7	17.2	25.8

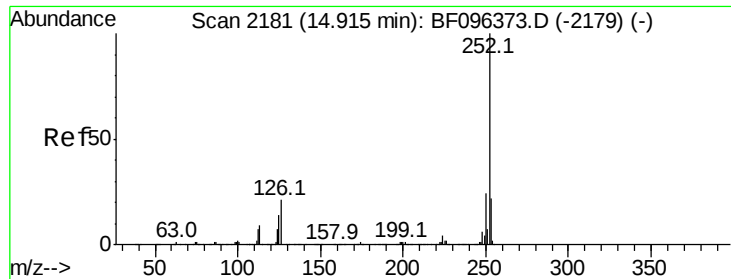


#87
Benzo(b)fluoranthene
Concen: 10.48 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.00 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

Tgt Ion:252 Resp: 141003

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.1	27.1
125	21.7	9.8	14.8#

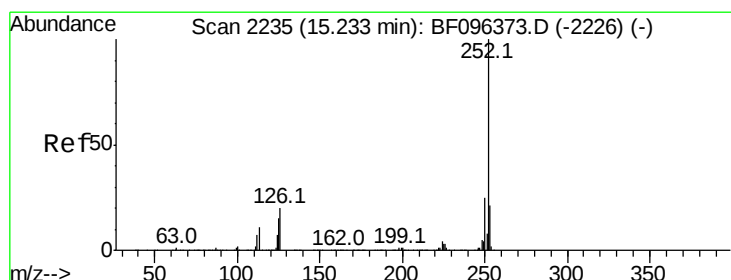
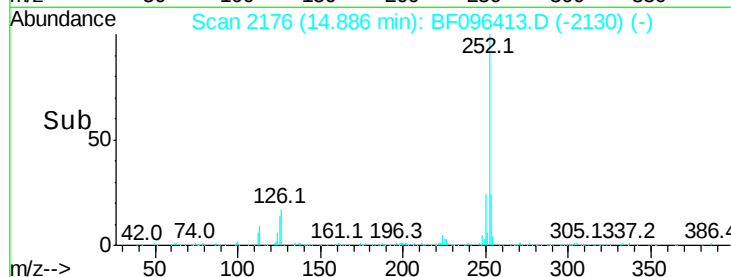
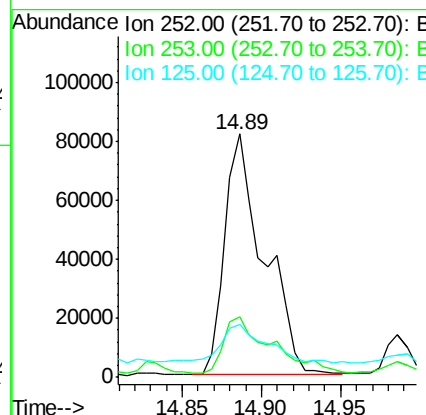
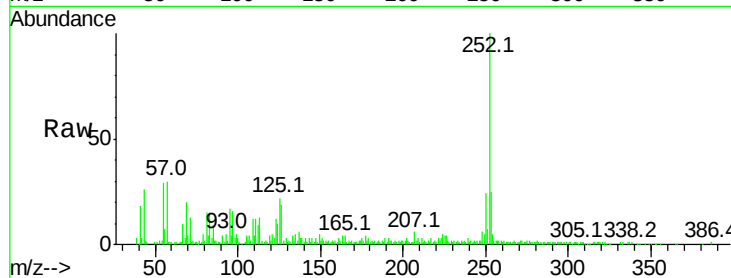




#88
Benzo(k)fluoranthene
Concen: 11.72 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.03 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

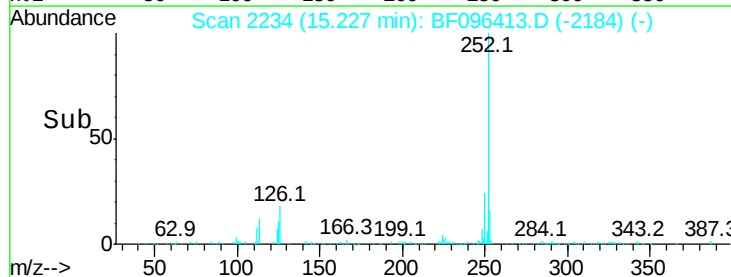
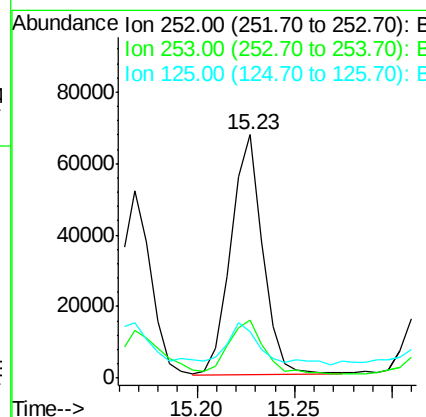
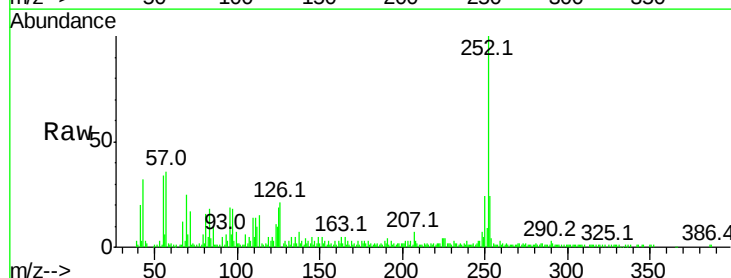
Instrument :
BNA_F
ClientSampleId :

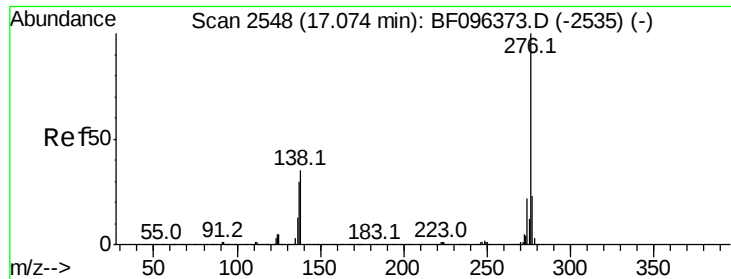
Tot Ion:252 Resp: 141003
Ion Ratio Lower Upper
252 100
253 25.0 18.4 27.6
125 21.7 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 6.30 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF096413.D
Acq: 2 Jul 2017 13:53

Tgt Ion:252 Resp: 75624
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 19.2 11.0 16.4#

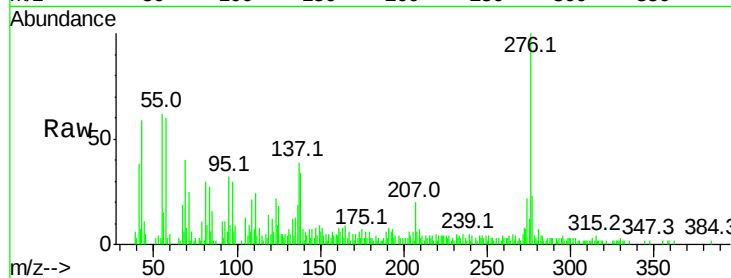




#91
 Benzo(a,h,i)perylene
 Concen: 4.06 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. -0.01 min
 Lab File: BF096413.D
 Acq: 2 Jul 2017 13:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	34.4	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

