

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042517\
 Data File : BF094620.D
 Acq On : 25 Apr 2017 21:59
 Operator : SJ/MA
 Sample : I2811-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

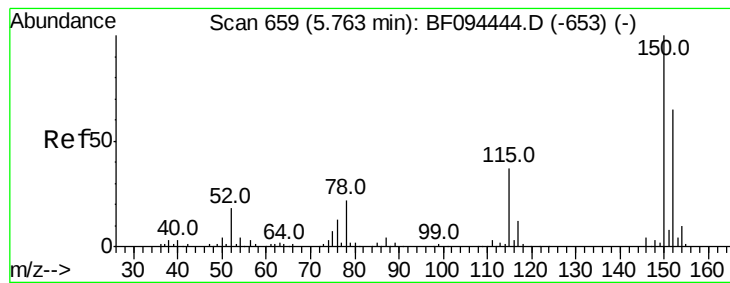
Quant Time: Apr 26 01:28:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	134984	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	521111	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	203873	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	316693	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	272336	20.00	ng	-0.01
86) Perylene-d12	16.09	264	185416	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.31	112	1128415	138.69	ng	0.00
7) Phenol-d6	5.39	99	1416772	147.71	ng	0.00
23) Nitrobenzene-d5	6.41	82	849545	100.67	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	208191	130.55	ng	-0.01
44) 2-Fluorobiphenyl	8.57	172	1372561	99.06	ng	-0.01
78) Terphenyl-d14	13.18	244	937275	91.99	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	5.40	94	85455	7.25	ng	88
15) Benzyl Alcohol	5.93	79	14572	2.05	ng	# 47
19) n-Nitroso-di-n-propylamine	6.41	70	109948	17.30	ng	# 77
49) Dimethylphthalate	9.07	163	146254	9.63	ng	98
56) 2,4-Dinitrotoluene	9.38	165	27055	6.47	ng	# 33
70) Phenanthrene	11.23	178	101228	5.68	ng	97
74) Fluoranthene	12.69	202	165509	8.95	ng	97
77) Pyrene	12.97	202	149122	7.84	ng	94
79) Butylbenzylphthalate	13.80	149	626029	75.08	ng	90
80) Benzo(a)anthracene	14.44	228	66599	4.21	ng	97
82) Chrysene	14.48	228	67888	4.69	ng	95
83) Bis(2-ethylhexyl)phthalate	14.52	149	1560995	139.43	ng	# 99
87) Benzo(b)fluoranthene	15.68	252	93425	8.24	ng	# 88
88) Benzo(k)fluoranthene	15.68	252	93425	8.70	ng	# 92
89) Benzo(a)pyrene	16.03	252	45229	4.29	ng	# 82
91) Benzo(g,h,i)perylene	17.74	276	24479	2.74	ng	93

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

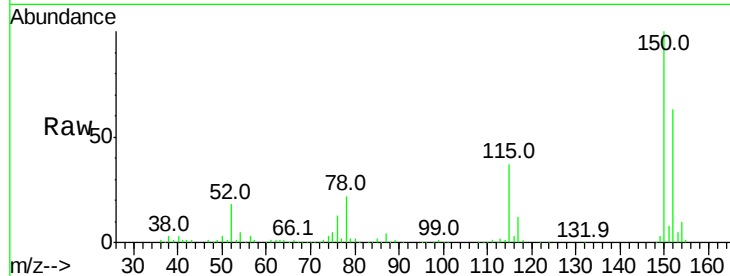


#1

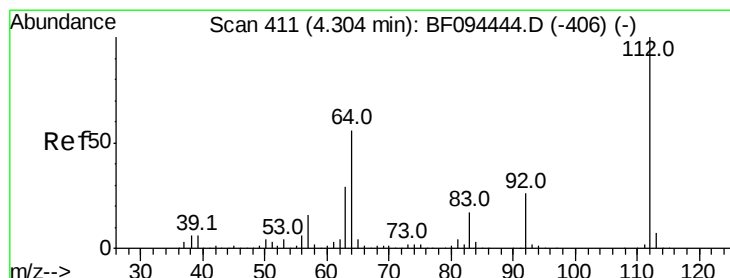
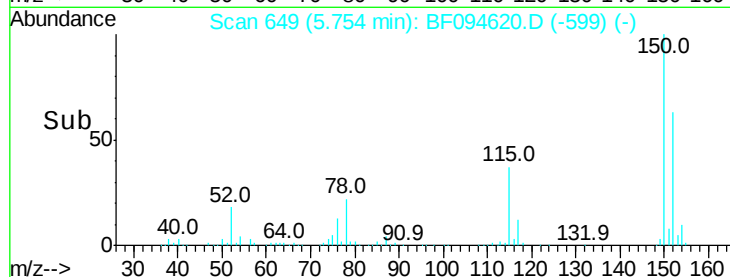
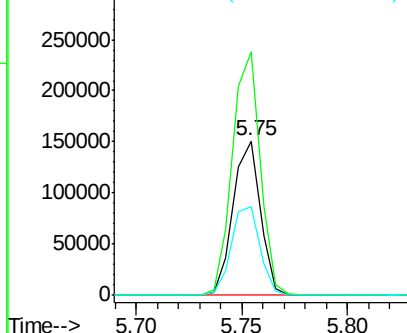
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF094620.D
Acq: 25 Apr 2017 21:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134984
Ion Ratio Lower Upper
152 100
150 158.1 126.2 189.2
115 57.7 52.2 78.2



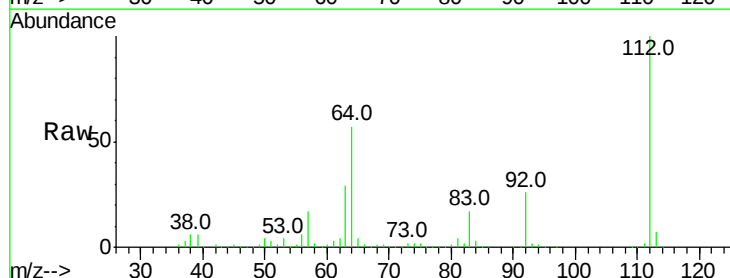
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



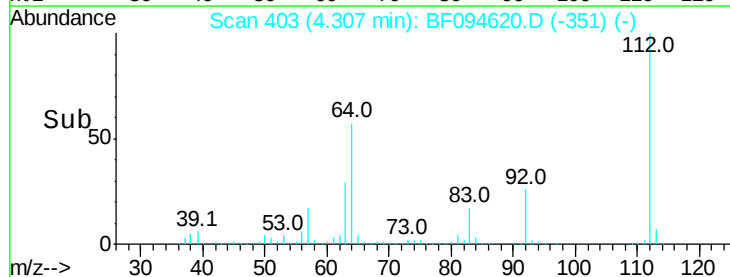
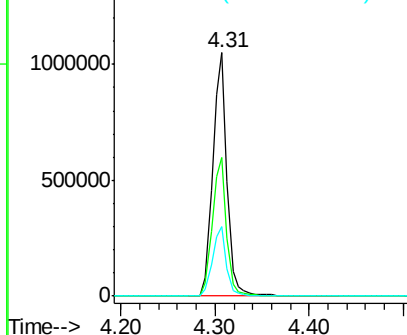
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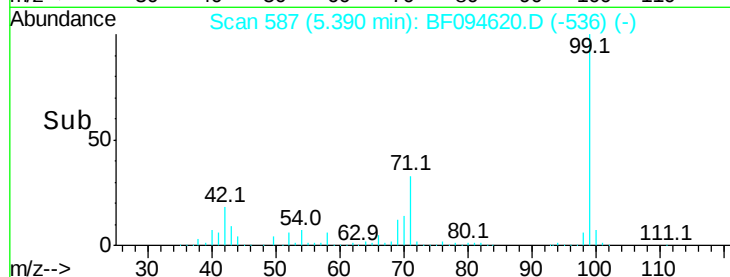
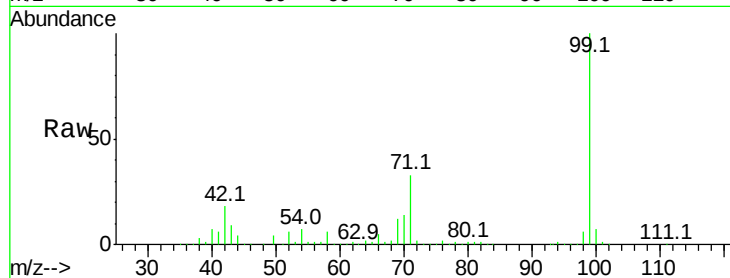
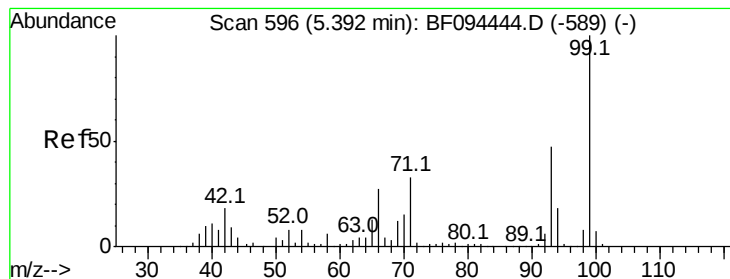
2-Fluorophenol
Concen: 138.69 ng
RT: 4.31 min Scan# 403
Delta R.T. 0.00 min
Lab File: BF094620.D
Acq: 25 Apr 2017 21:59

Tgt Ion:112 Resp: 1128415
Ion Ratio Lower Upper
112 100
64 56.9 46.0 69.0
63 28.5 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: 147.71 ng

RT: 5.39 min Scan# 587

Delta R.T. -0.00 min

Lab File: BF094620.D

Acq: 25 Apr 2017 21:59

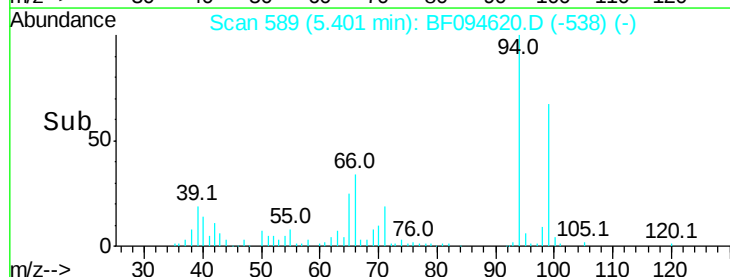
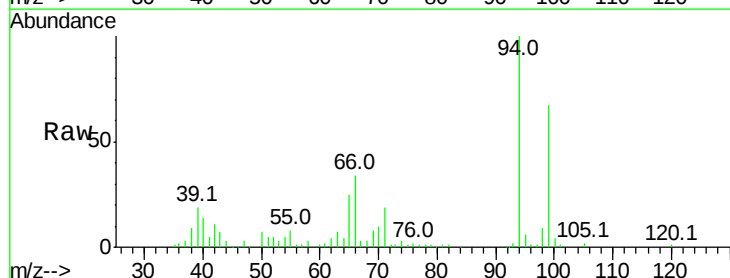
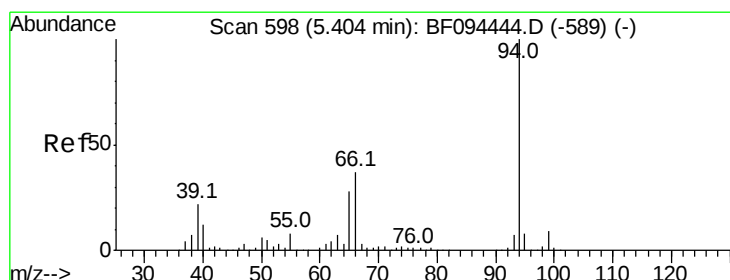
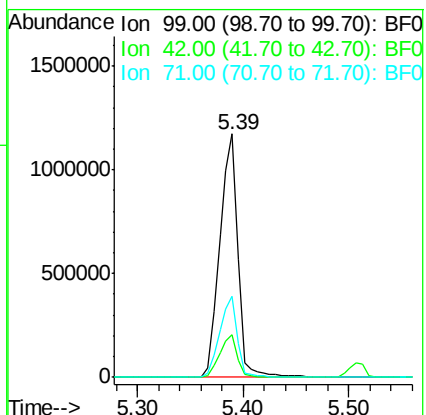
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1416772

Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.5	20.3
71	33.5	24.5	36.7



#10

Phenol

Concen: 7.25 ng

RT: 5.40 min Scan# 589

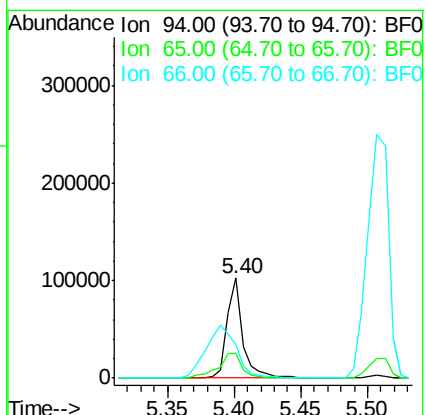
Delta R.T. -0.00 min

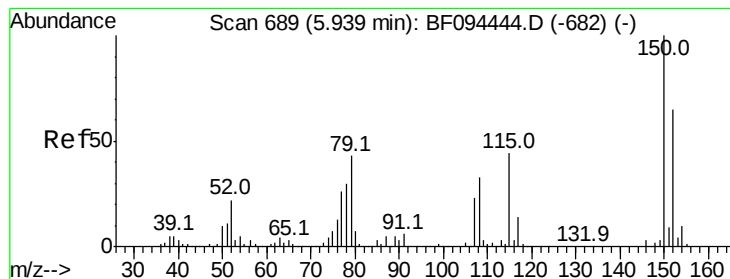
Lab File: BF094620.D

Acq: 25 Apr 2017 21:59

Tgt Ion: 94 Resp: 85455

Ion	Ratio	Lower	Upper
94	100		
65	25.3	9.9	49.9
66	33.6	23.1	63.1





#15

Benzyl Alcohol

Concen: 2.05 ng

RT: 5.93 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF094620.D

Acq: 25 Apr 2017 21:59

Instrument :

BNA_F

ClientSampled :

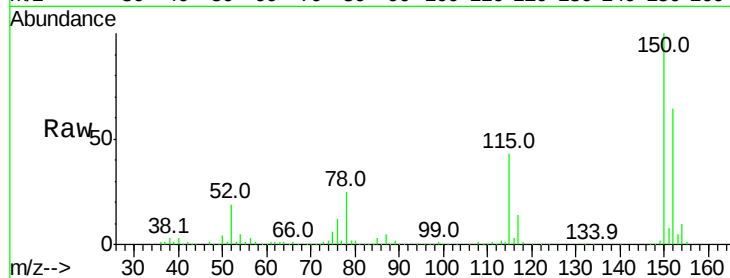
Tot Ion: 79 Resp: 14572

Ion Ratio Lower Upper

79 100

108 30.4 63.4 95.0#

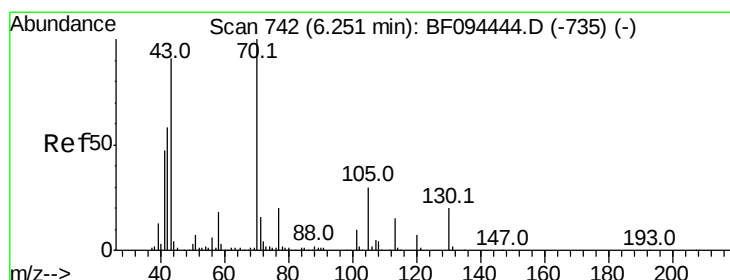
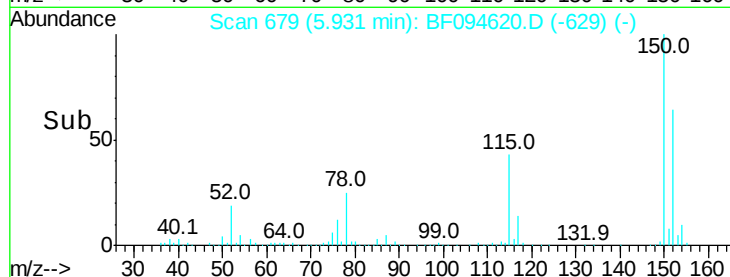
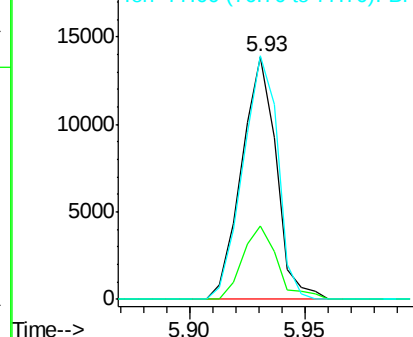
77 100.3 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 17.30 ng

RT: 6.41 min Scan# 760

Delta R.T. 0.16 min

Lab File: BF094620.D

Acq: 25 Apr 2017 21:59

Tgt Ion: 70 Resp: 109948

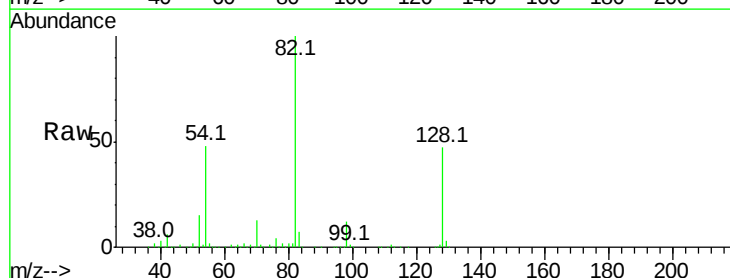
Ion Ratio Lower Upper

70 100

42 45.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

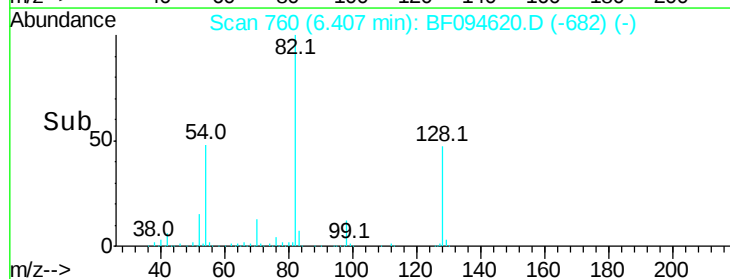
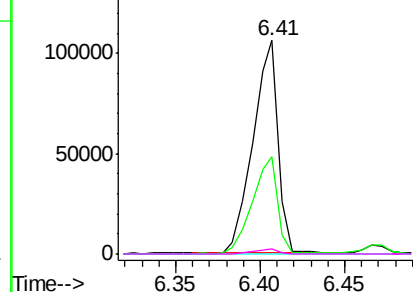


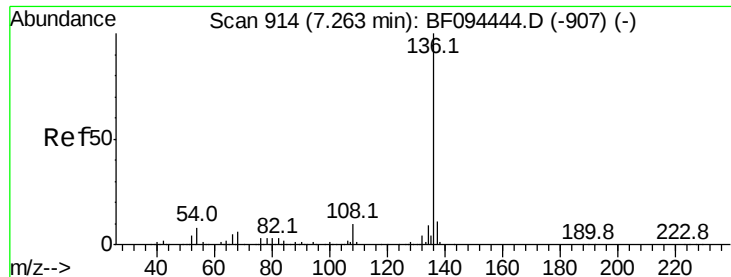
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

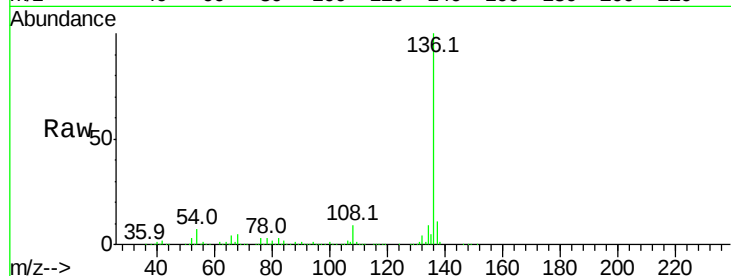




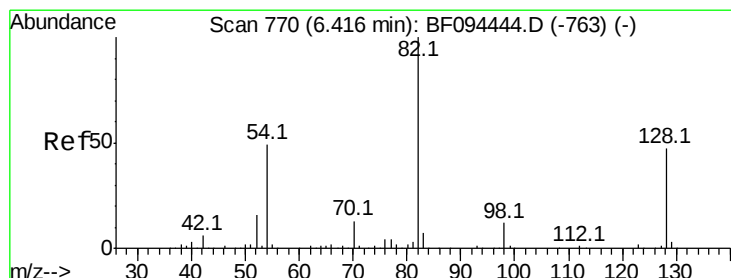
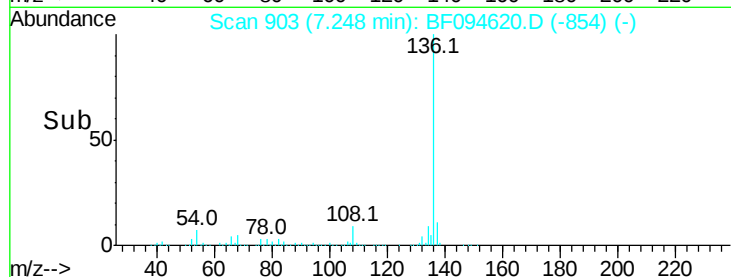
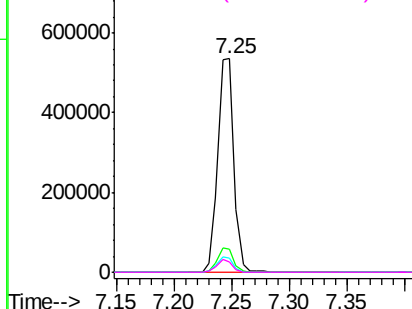
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.25 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF094620.D
Acq: 25 Apr 2017 21:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	521111
Ion Ratio	Lower	Upper
136 100		
137 10.6	8.5	12.7
54 6.5	4.9	7.3
68 5.1	4.1	6.1

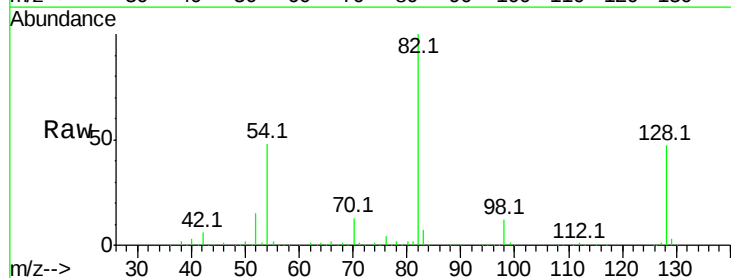


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

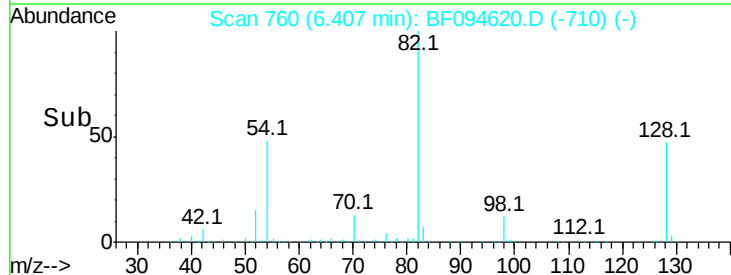
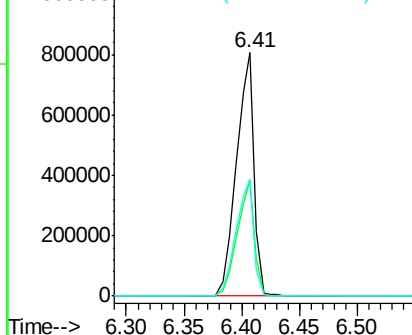


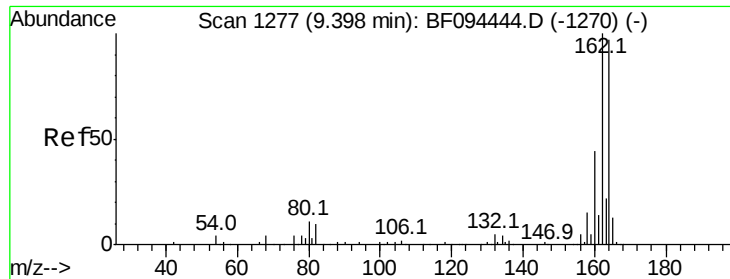
#23
Nitrobenzene-d5
Concen: 100.67 ng
RT: 6.41 min Scan# 760
Delta R.T. -0.01 min
Lab File: BF094620.D
Acq: 25 Apr 2017 21:59

Tgt Ion: 82	Resp:	849545
Ion Ratio	Lower	Upper
82 100		
128 47.3	34.0	51.0
54 48.2	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

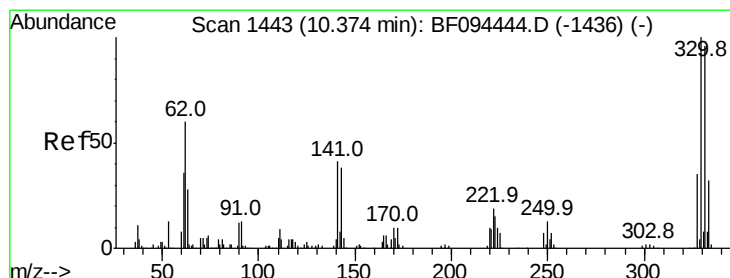
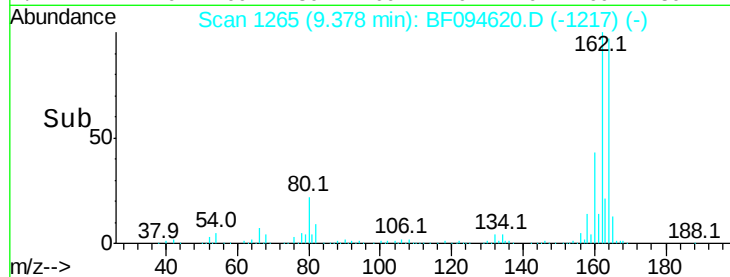
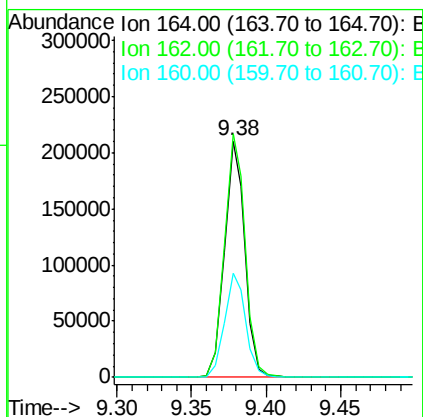
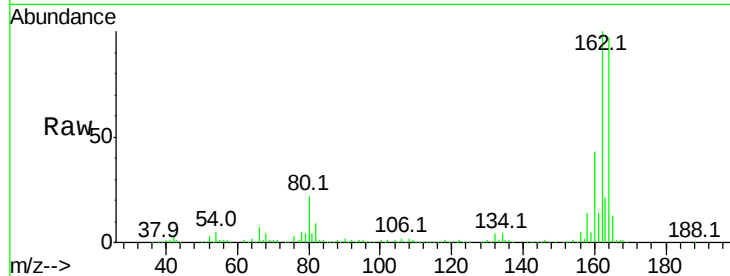




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF094620.D
 Acq: 25 Apr 2017 21:59

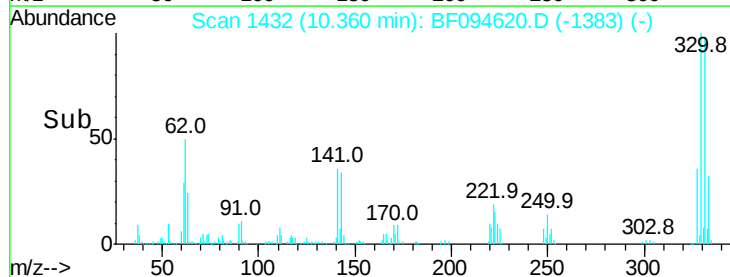
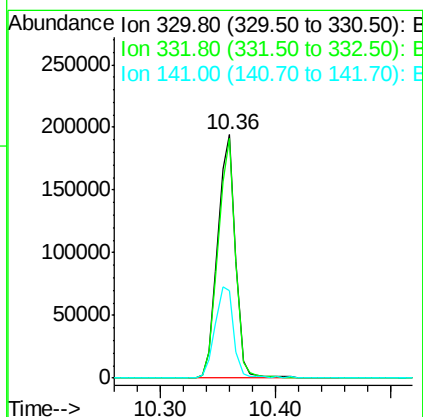
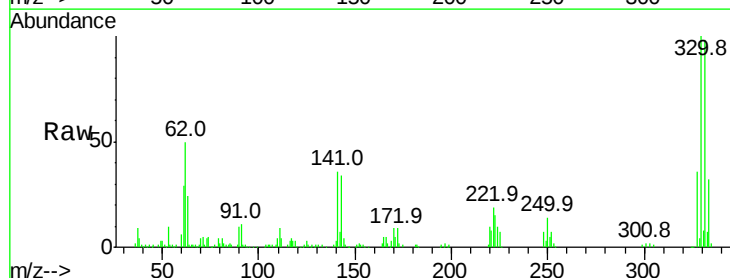
Instrument :
 BNA_F
 ClientSampleId :

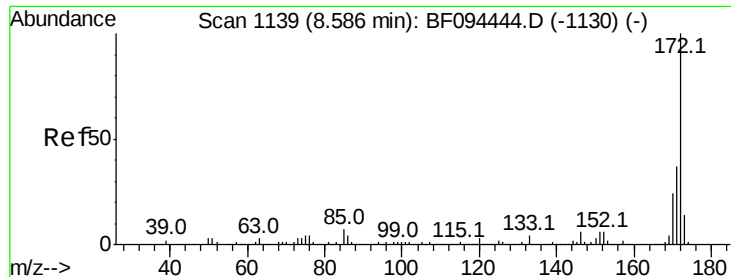
Tot Ion:	164	Resp:	203873
Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.6	123.8
160	44.0	36.2	54.2



#41
 2,4,6-Tribromophenol
 Concen: 130.55 ng
 RT: 10.36 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF094620.D
 Acq: 25 Apr 2017 21:59

Tgt Ion:	330	Resp:	208191
Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	115.0
141	39.0	31.4	47.2



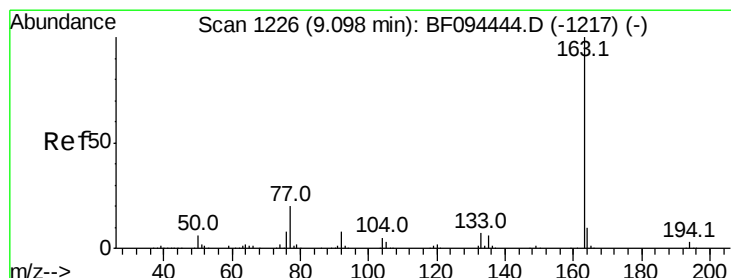
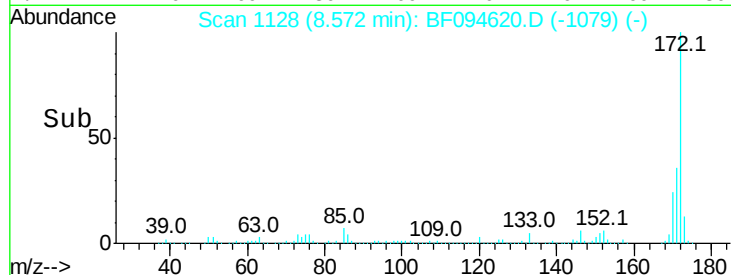
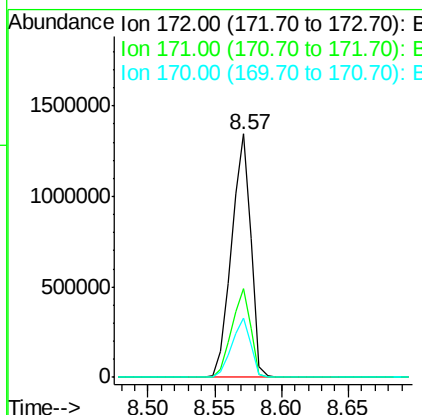
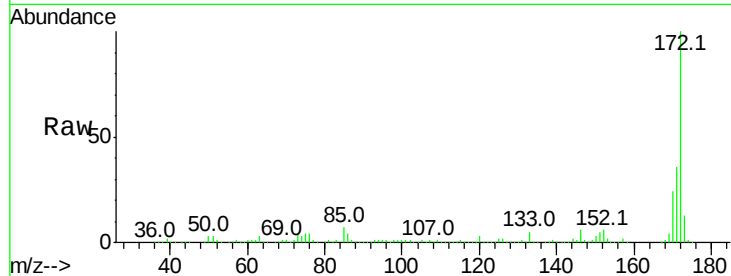


#44
 2-Fluorobiphenyl
 Concen: 99.06 ng
 RT: 8.57 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF094620.D
 Acq: 25 Apr 2017 21:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1372561

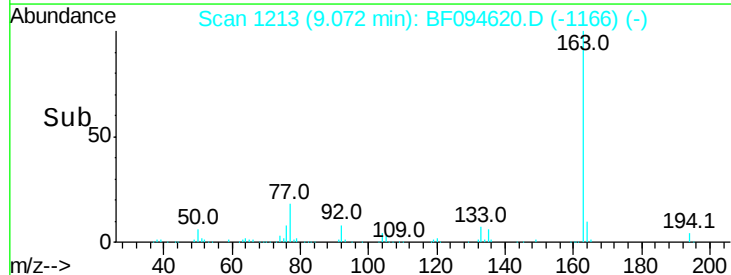
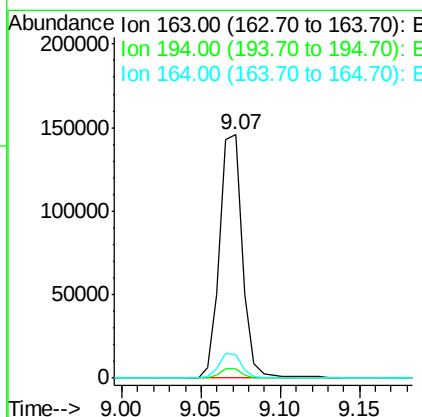
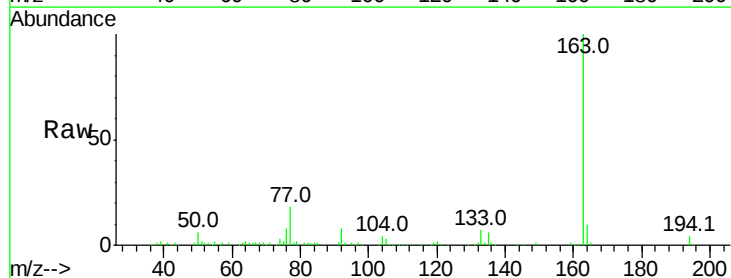
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.3	19.8	29.8

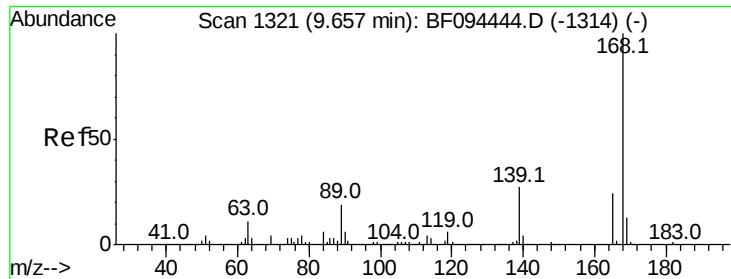


#49
 Dimethylphthalate
 Concen: 9.63 ng
 RT: 9.07 min Scan# 1213
 Delta R.T. -0.03 min
 Lab File: BF094620.D
 Acq: 25 Apr 2017 21:59

Tgt Ion:163 Resp: 146254

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.6	4.0
164	9.7	8.4	12.6

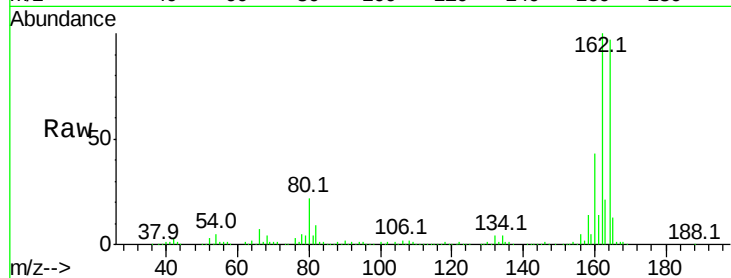




#56
 2,4-Dinitrotoluene
 Concen: 6.47 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.28 min
 Lab File: BF094620.D
 Acq: 25 Apr 2017 21:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	1.1	46.4	69.6#
182	0.0	1.8	2.6#

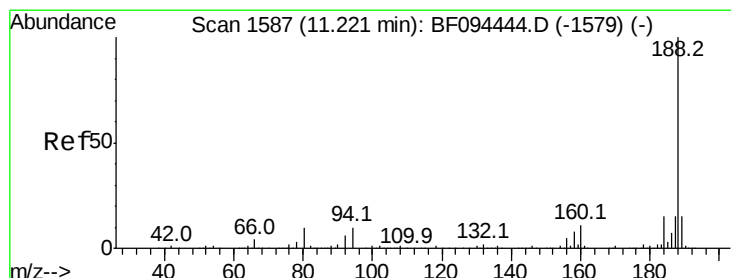
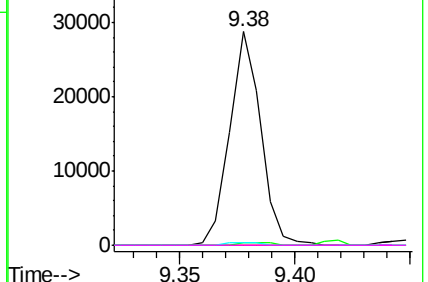
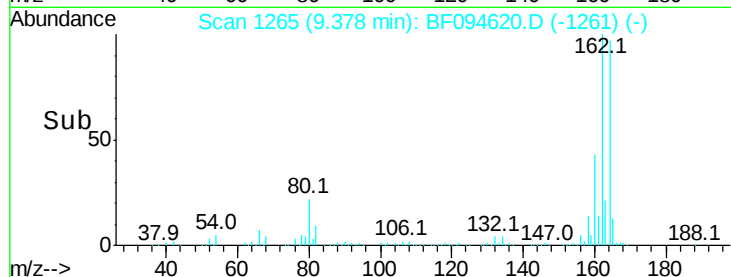


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

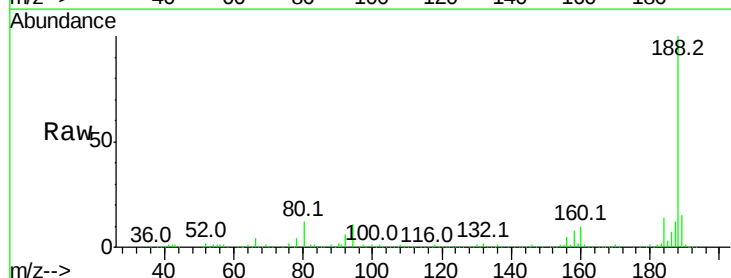
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF094620.D
 Acq: 25 Apr 2017 21:59

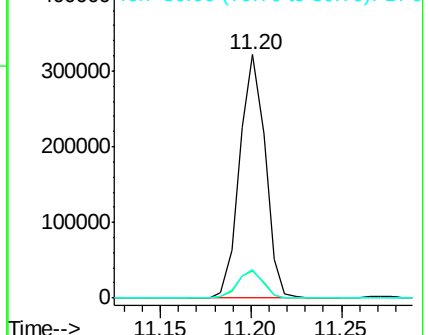
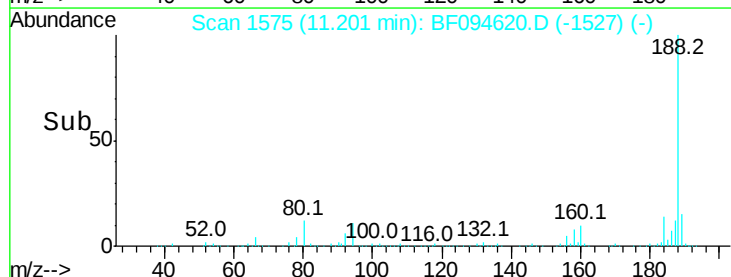
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.4	14.2
80	11.8	10.2	15.2

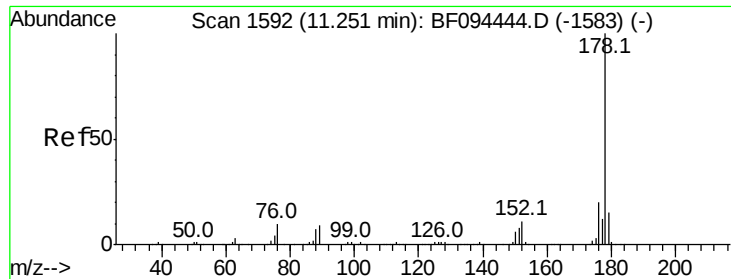


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

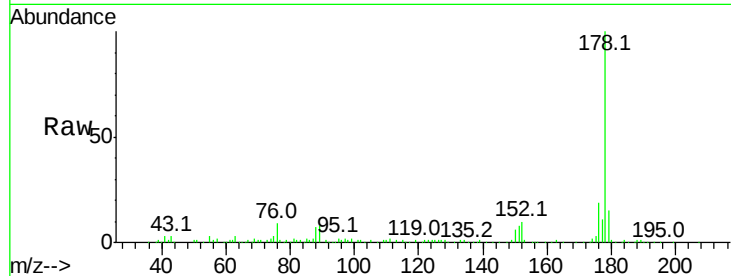




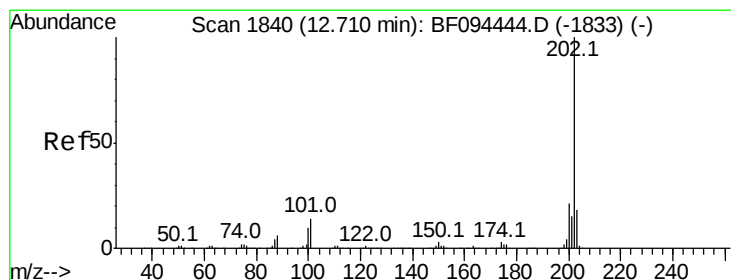
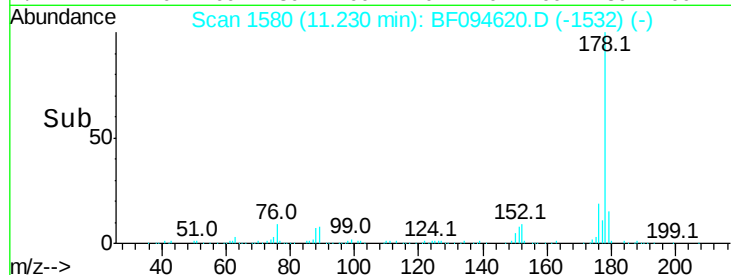
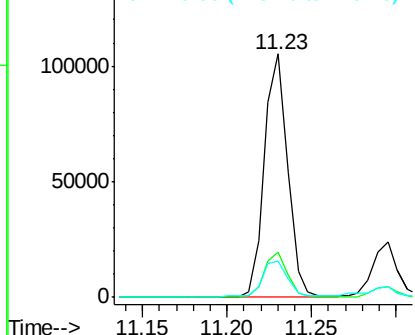
#70
Phenanthrene
Concen: 5.68 ng
RT: 11.23 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF094620.D
Acq: 25 Apr 2017 21:59

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 101228
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 15.0 12.6 19.0

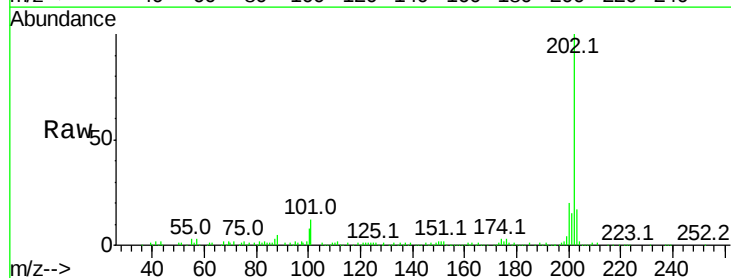


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

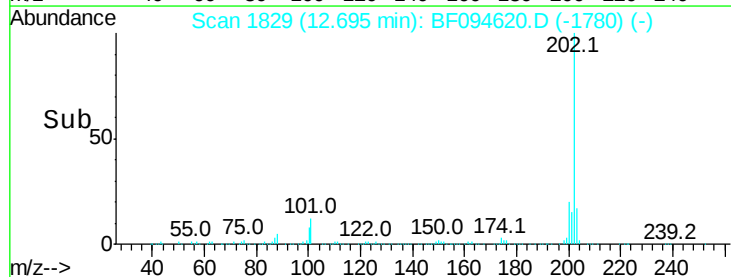
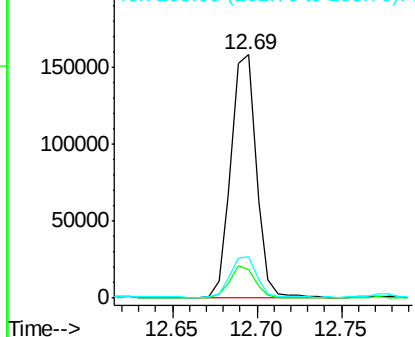


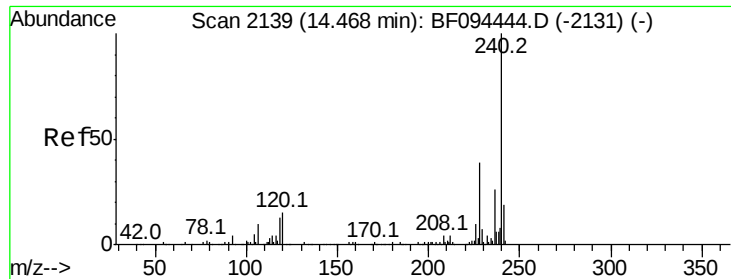
#74
Fluoranthene
Concen: 8.95 ng
RT: 12.69 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF094620.D
Acq: 25 Apr 2017 21:59

Tgt Ion:202 Resp: 165509
Ion Ratio Lower Upper
202 100
101 11.9 0.0 33.2
203 16.8 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

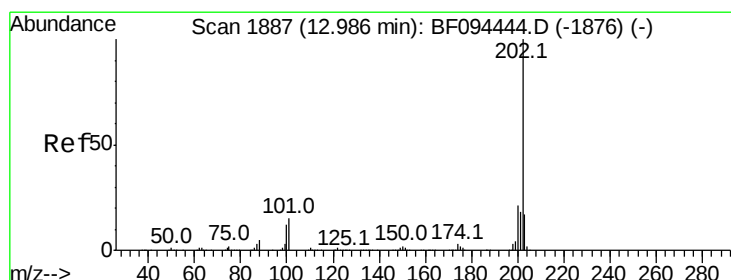
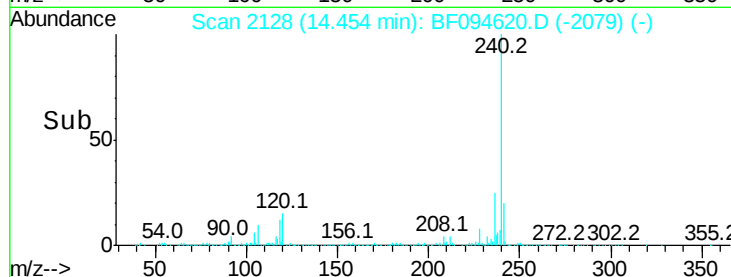
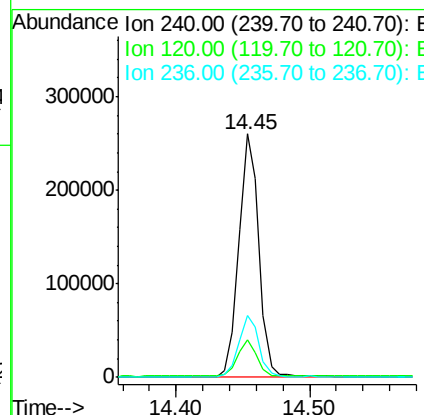
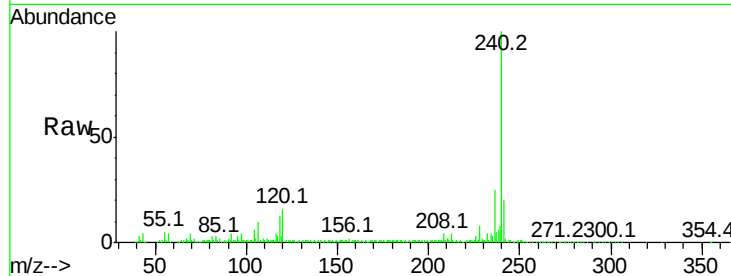




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.45 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BF094620.D
Acq: 25 Apr 2017 21:59

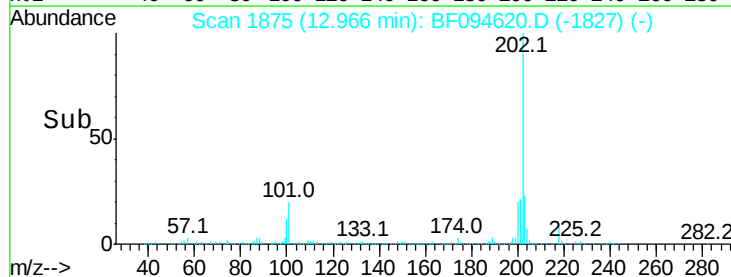
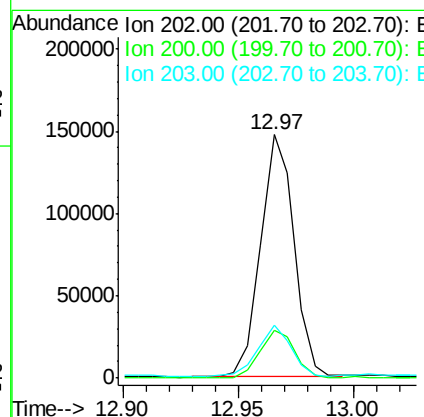
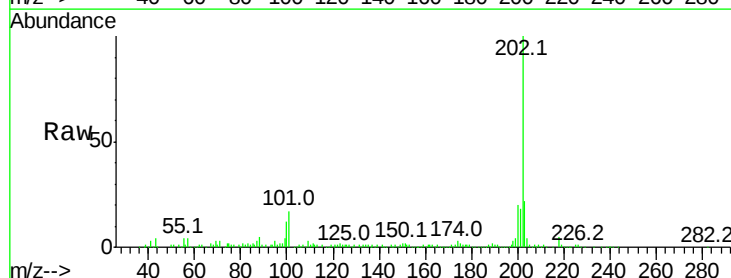
Instrument :
BNA_F
ClientSampleId :

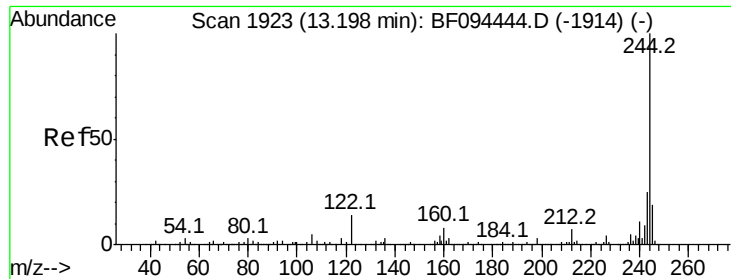
Tot Ion:240 Resp: 272336
Ion Ratio Lower Upper
240 100
120 15.6 5.8 8.8#
236 25.4 20.5 30.7



#77
Pyrene
Concen: 7.84 ng
RT: 12.97 min Scan# 1875
Delta R.T. -0.02 min
Lab File: BF094620.D
Acq: 25 Apr 2017 21:59

Tgt Ion:202 Resp: 149122
Ion Ratio Lower Upper
202 100
200 19.8 17.6 26.4
203 21.5 14.4 21.6





#78

Terphenyl-d14

Concen: 91.99 ng

RT: 13.18 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BF094620.D

Acq: 25 Apr 2017 21:59

Instrument :

BNA_F

ClientSampleId :

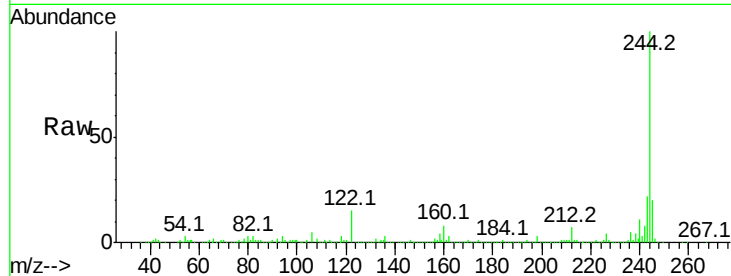
Tot Ion:244 Resp: 937275

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

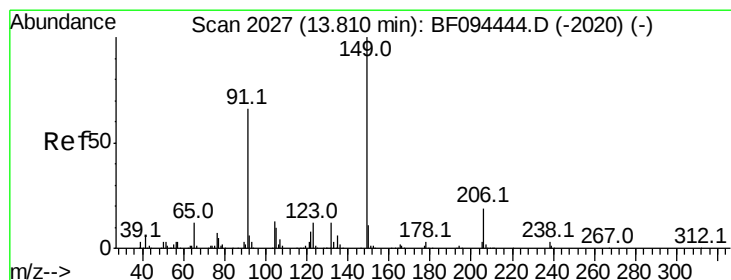
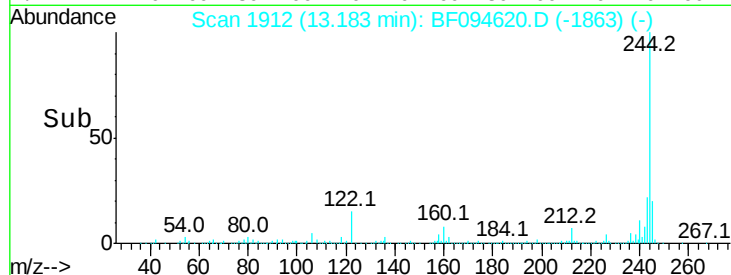
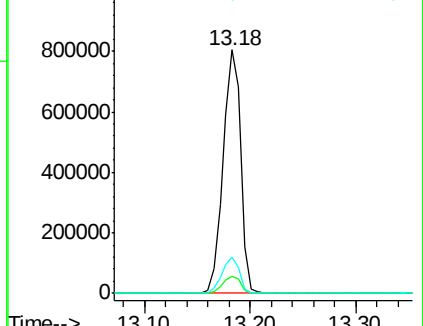
122 15.0 10.3 15.5



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



#79

Butylbenzylphthalate

Concen: 75.08 ng

RT: 13.80 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF094620.D

Acq: 25 Apr 2017 21:59

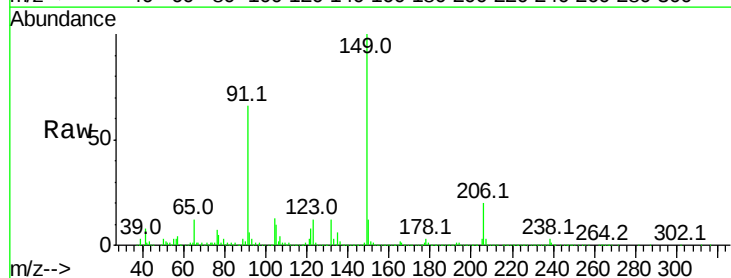
Tgt Ion:149 Resp: 626029

Ion Ratio Lower Upper

149 100

91 65.5 45.0 67.4

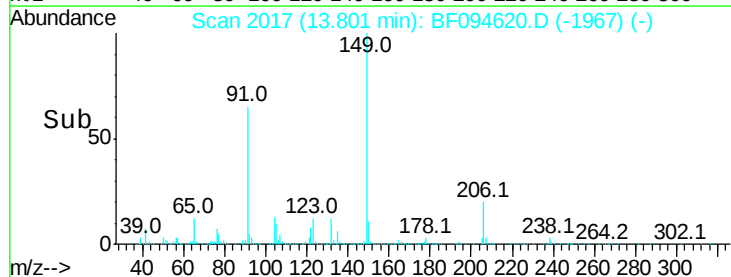
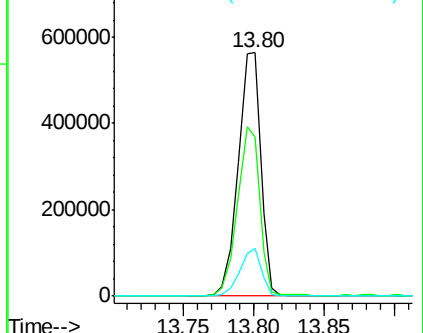
206 19.7 17.0 25.6

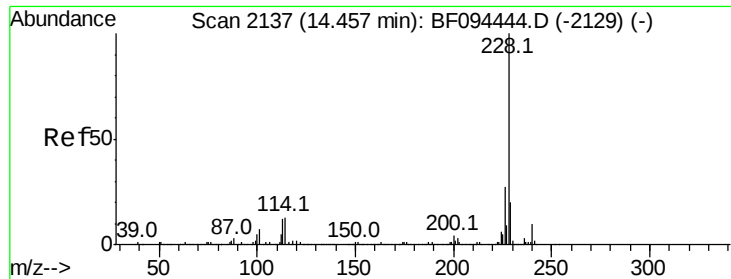


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

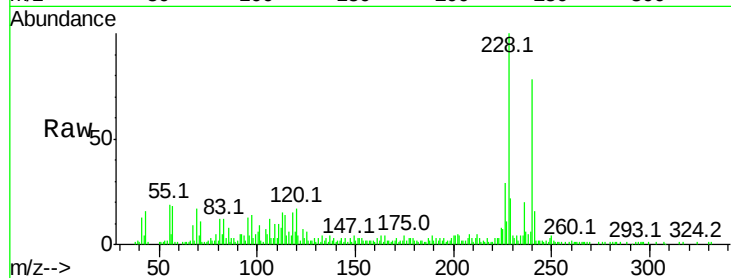




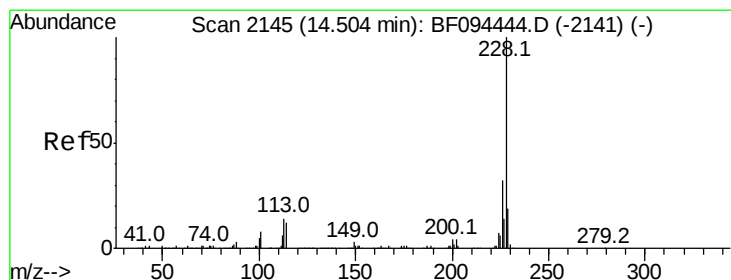
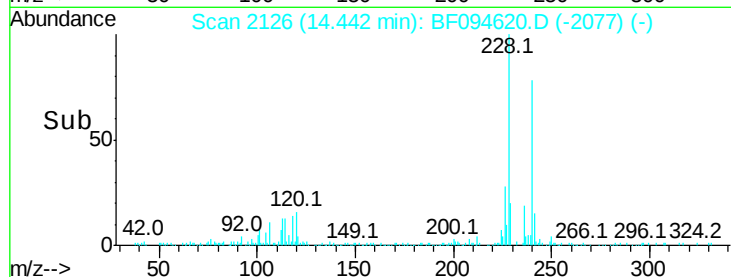
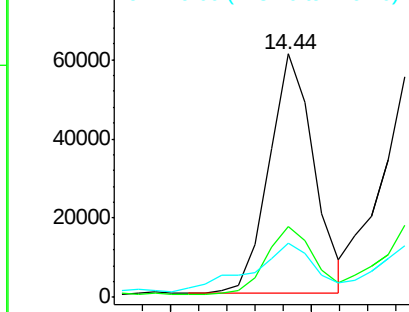
#80
Benzo(a)anthracene
Concen: 4.21 ng
RT: 14.44 min Scan# 2126
Delta R.T. -0.01 min
Lab File: BF094620.D
Acq: 25 Apr 2017 21:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	22.2	16.3	24.5

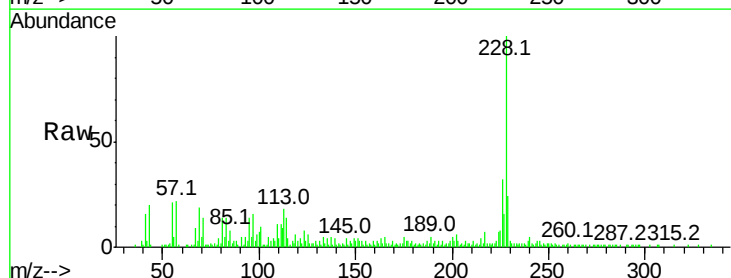


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

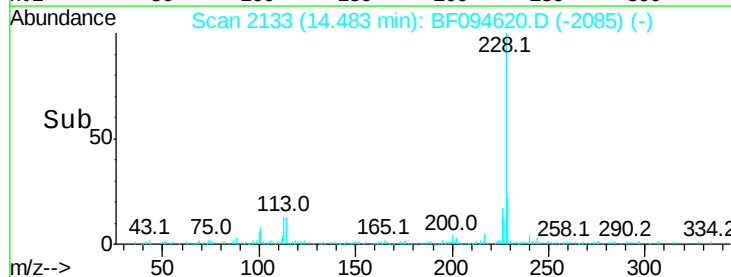
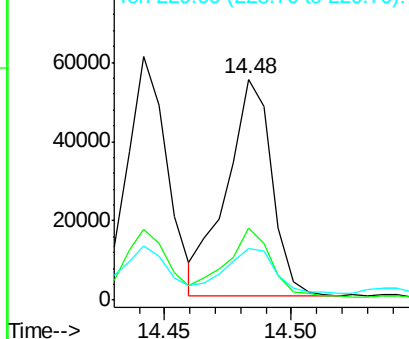


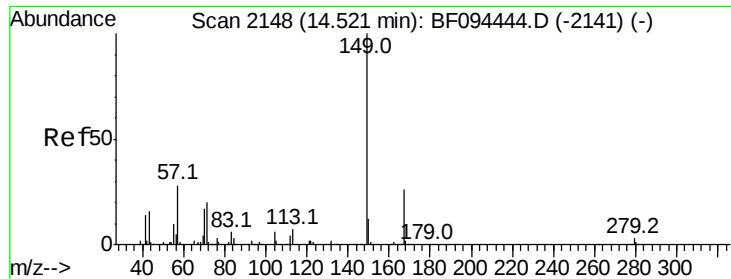
#82
Chrysene
Concen: 4.69 ng
RT: 14.48 min Scan# 2133
Delta R.T. -0.02 min
Lab File: BF094620.D
Acq: 25 Apr 2017 21:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.9	37.3
229	23.6	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





#83

Bis(2-ethylhexyl)phthalate

Concen: 139.43 ng

RT: 14.52 min Scan# 2140

Delta R.T. 0.00 min

Lab File: BF094620.D

Acq: 25 Apr 2017 21:59

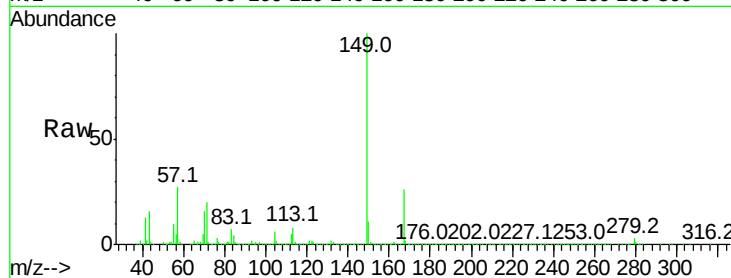
Instrument :

BNA_F

ClientSampleId :

Tot Ion:149 Resp: 1560995

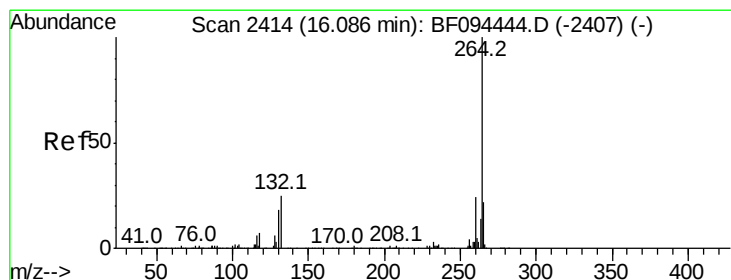
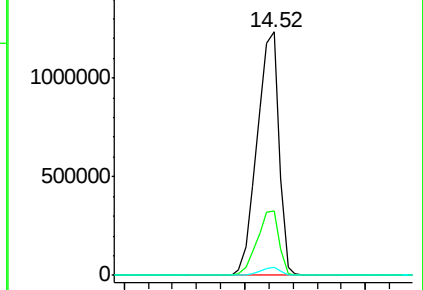
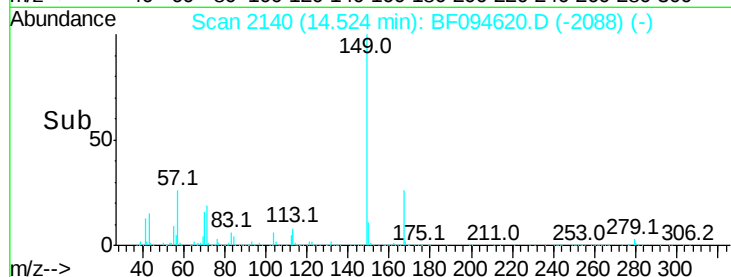
Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.0	31.4
279	3.5	1.9	2.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.09 min Scan# 2406

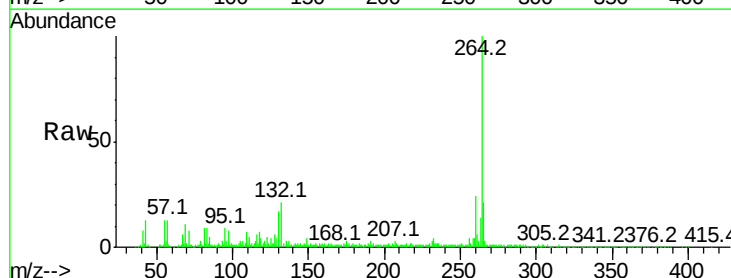
Delta R.T. 0.00 min

Lab File: BF094620.D

Acq: 25 Apr 2017 21:59

Tgt Ion:264 Resp: 185416

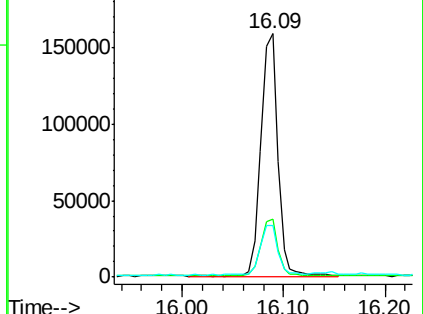
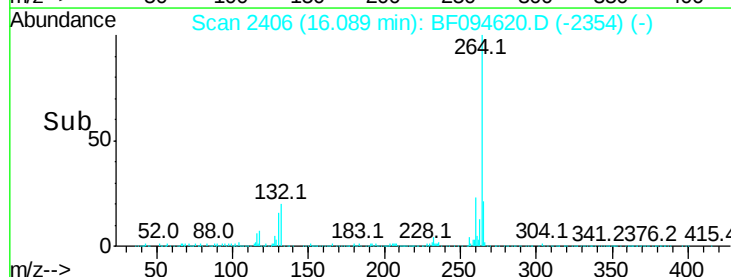
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.4	17.2	25.8

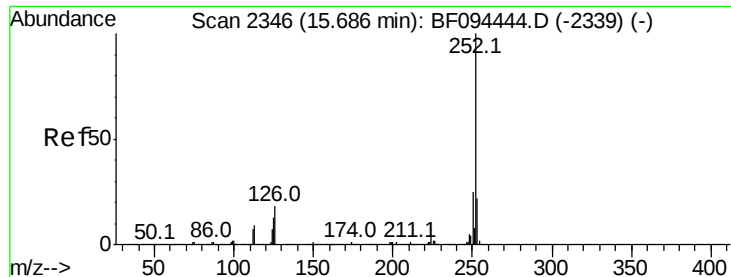


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

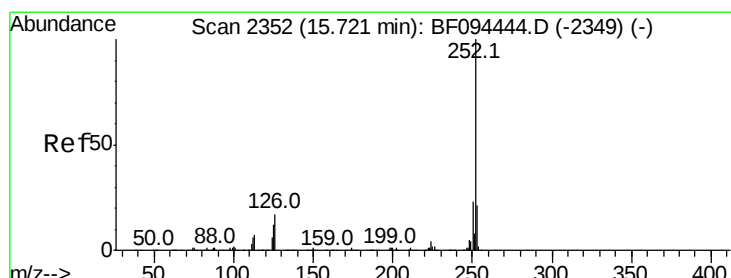
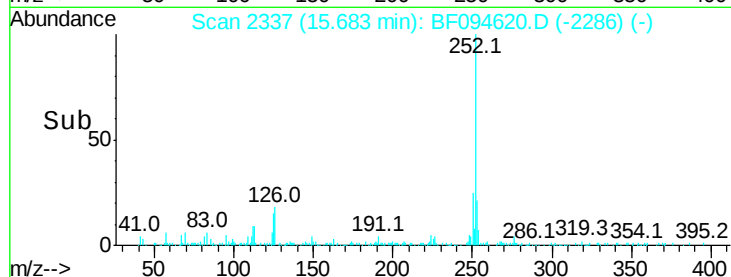
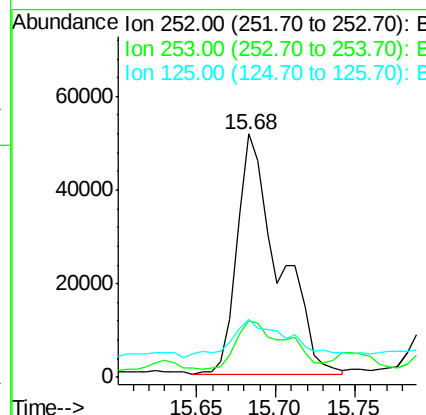
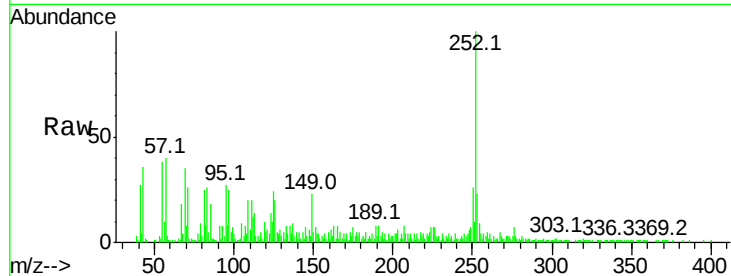




#87
Benzo(b)fluoranthene
Concen: 8.24 ng
RT: 15.68 min Scan# 2337
Delta R.T. -0.00 min
Lab File: BF094620.D
Acq: 25 Apr 2017 21:59

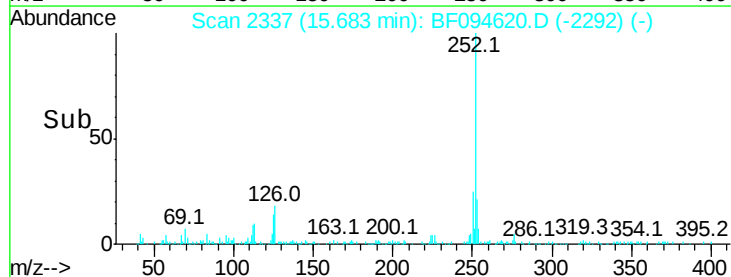
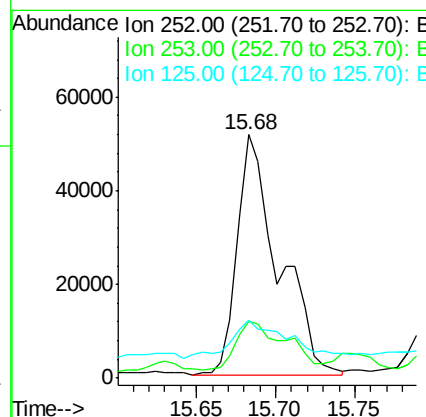
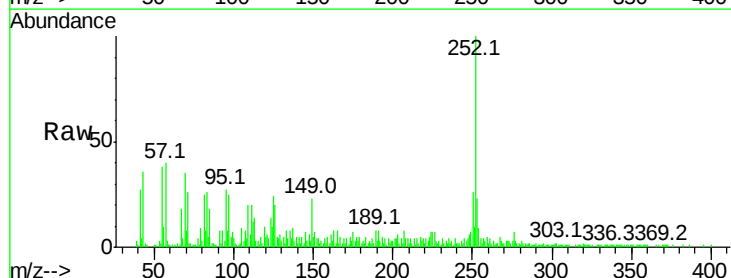
Instrument :
BNA_F
ClientSampleId :

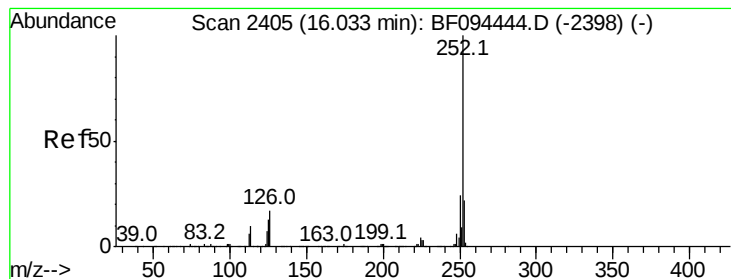
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	23.7	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 8.70 ng
RT: 15.68 min Scan# 2337
Delta R.T. -0.04 min
Lab File: BF094620.D
Acq: 25 Apr 2017 21:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.4	27.6
125	23.7	13.1	19.7





#89

Benzo(a)pyrene

Concen: 4.29 ng

RT: 16.03 min Scan# 2396

Delta R.T. -0.00 min

Lab File: BF094620.D

Acq: 25 Apr 2017 21:59

Instrument :

BNA_F

ClientSampled :

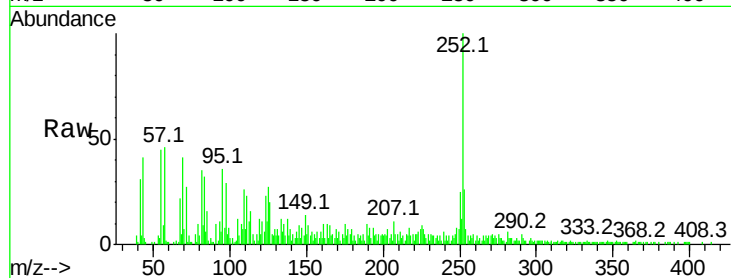
Tot Ion:252 Resp: 45229

Ion Ratio Lower Upper

252 100

253 25.7 17.5 26.3

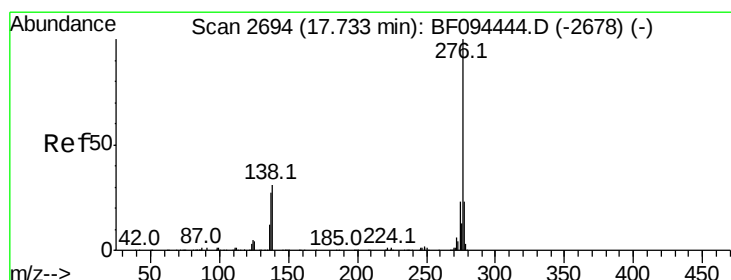
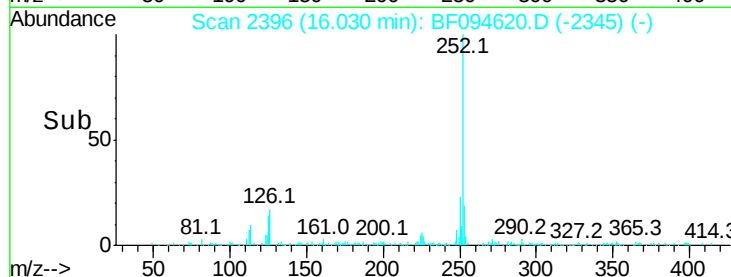
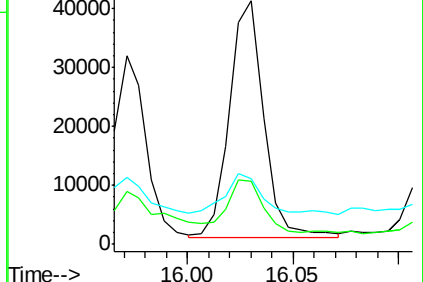
125 27.1 11.0 16.4#



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(g,h,i)perylene

Concen: 2.74 ng

RT: 17.74 min Scan# 2687

Delta R.T. 0.01 min

Lab File: BF094620.D

Acq: 25 Apr 2017 21:59

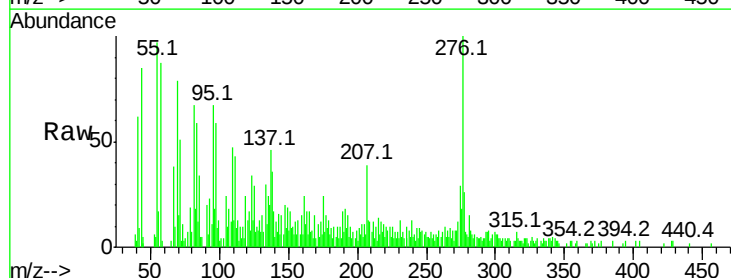
Tgt Ion:276 Resp: 24479

Ion Ratio Lower Upper

276 100

277 26.0 18.6 28.0

138 36.1 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

