

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041917\
 Data File : BF094524.D
 Acq On : 19 Apr 2017 19:08
 Operator : SJ/MA
 Sample : I2752-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 20 03:06:43 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

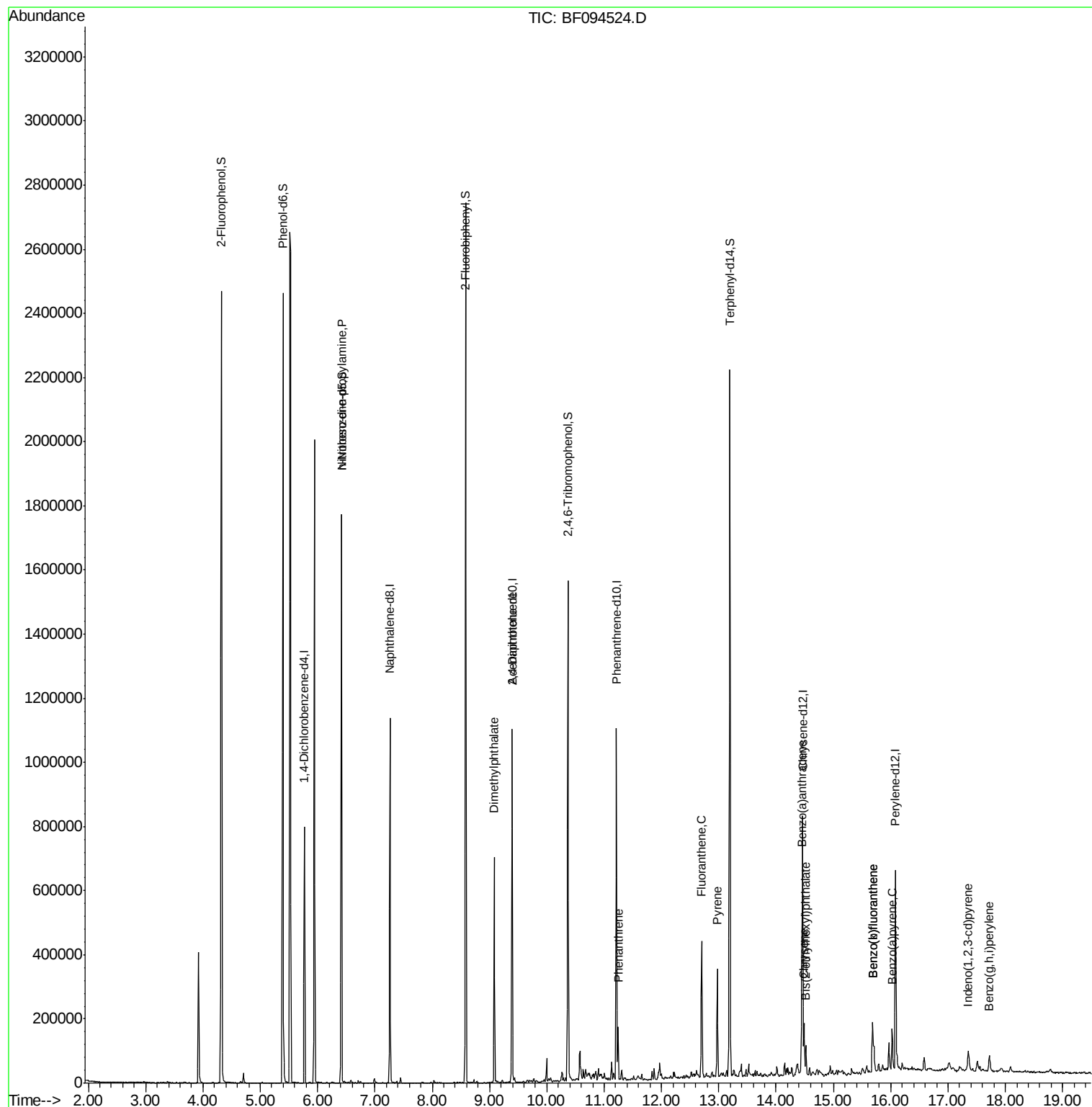
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	130423	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	528650	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	230350	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	419311	20.00	ng	0.00
75) Chrysene-d12	14.46	240	288850	20.00	ng	0.00
86) Perylene-d12	16.08	264	243615	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	769486	97.88	ng	0.02
7) Phenol-d6	5.40	99	976772	105.40	ng	0.00
23) Nitrobenzene-d5	6.42	82	603263	70.46	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	191960	106.54	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	906070	57.87	ng	0.00
78) Terphenyl-d14	13.20	244	792729	73.36	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.42	70	80723	13.15	ng	# 75
49) Dimethylphthalate	9.08	163	278312	16.21	ng	99
56) 2,4-Dinitrotoluene	9.40	165	29044	6.14	ng	# 32
70) Phenanthrene	11.24	178	62512	2.65	ng	97
74) Fluoranthene	12.70	202	178680	7.30	ng	98
77) Pyrene	12.98	202	143016	7.09	ng	98
80) Benzo(a)anthracene	14.45	228	62781	3.74	ng	99
82) Chrysene	14.49	228	63400	4.13	ng	98
83) Bis(2-ethylhexyl)phthalate	14.52	149	26887	2.26	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.35	276	36058	2.47	ng	95
87) Benzo(b)fluoranthene	15.68	252	102246	6.86	ng	96
88) Benzo(k)fluoranthene	15.68	252	102246	7.25	ng	96
89) Benzo(a)pyrene	16.02	252	50255	3.62	ng	99
91) Benzo(a,h,i)perylene	17.72	276	34157	2.91	ng	96

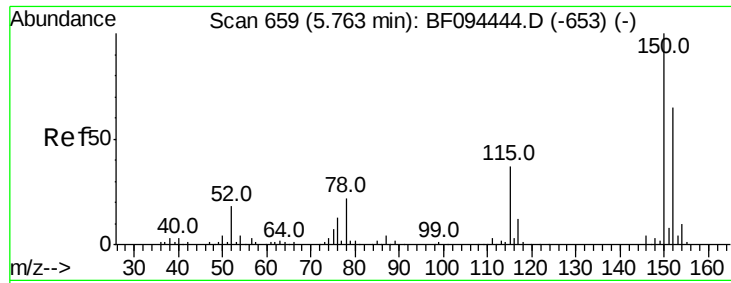
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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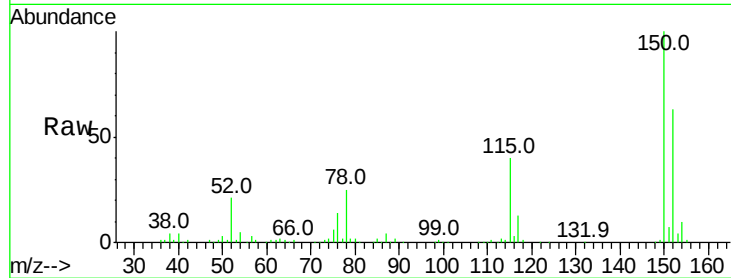


#1

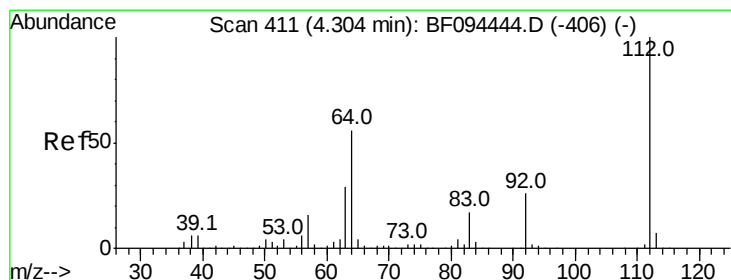
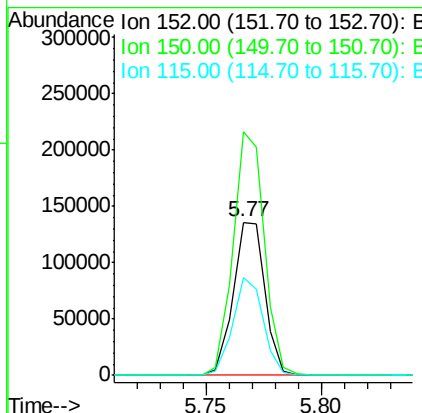
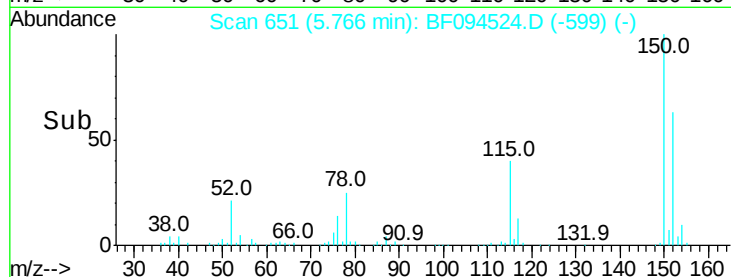
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF094524.D
Acq: 19 Apr 2017 19:08

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.2	189.2
115	64.0	52.2	78.2



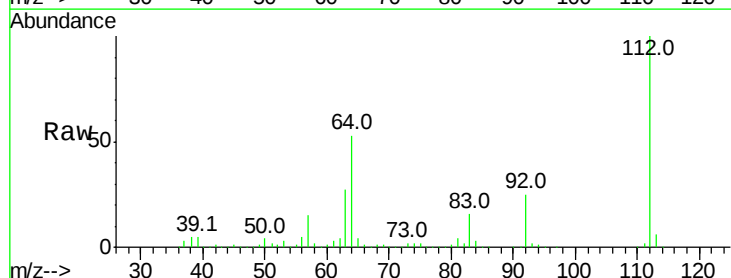
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



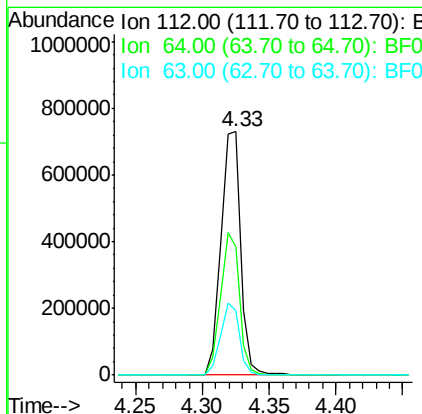
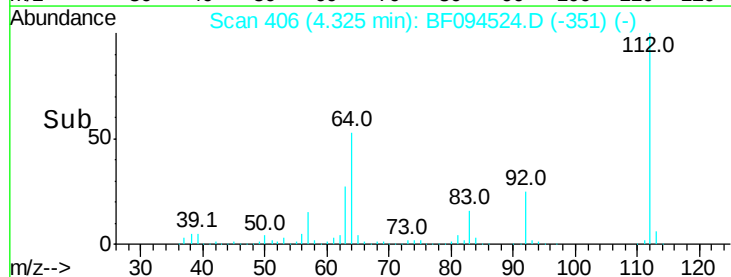
#5

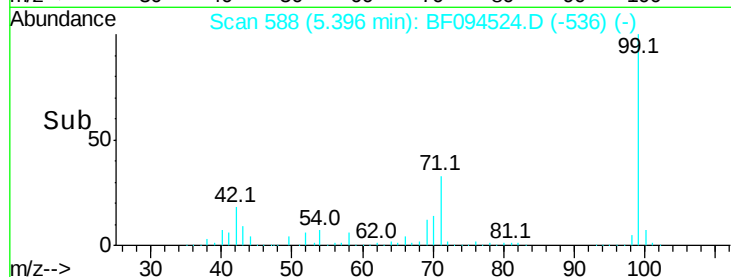
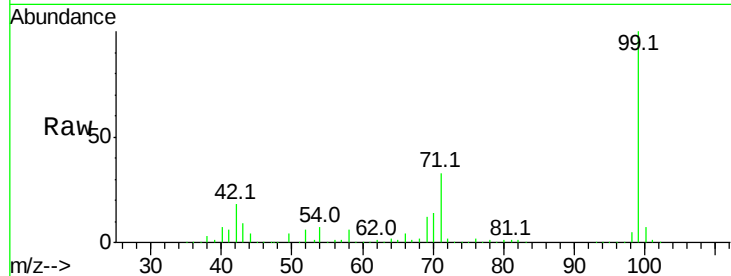
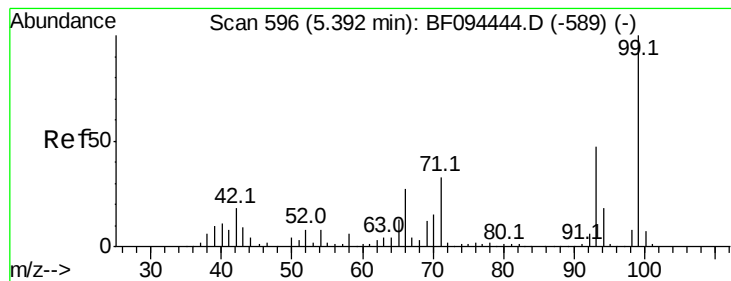
2-Fluorophenol
Concen: 97.88 ng
RT: 4.33 min Scan# 406
Delta R.T. 0.02 min
Lab File: BF094524.D
Acq: 19 Apr 2017 19:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	46.0	69.0
63	26.6	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: 105.40 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094524.D

Acq: 19 Apr 2017 19:08

Instrument :

BNA_F

ClientSampleId :

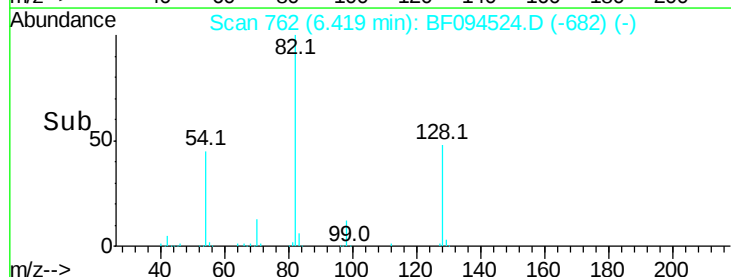
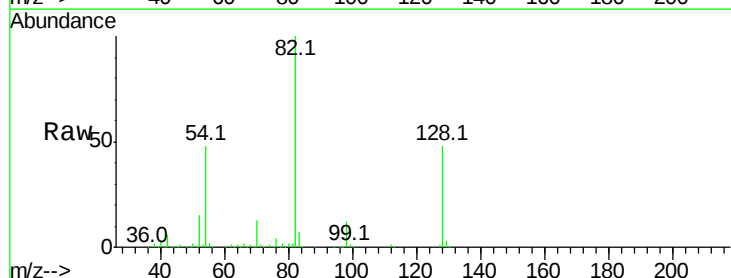
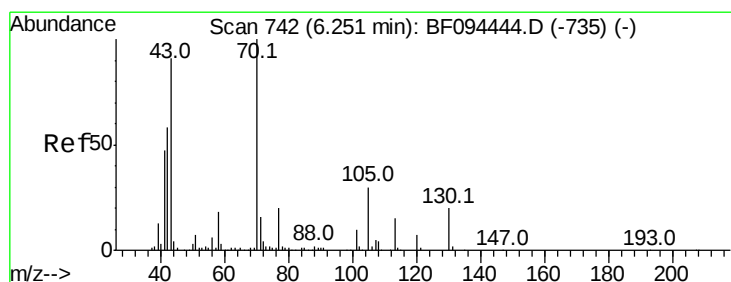
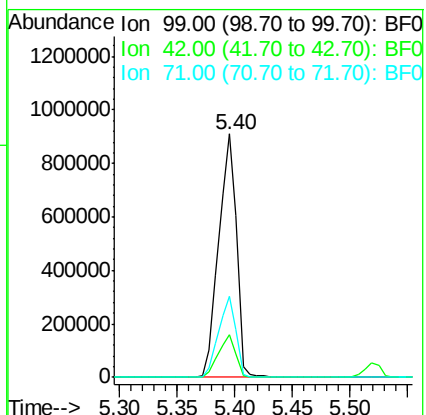
Tot Ion: 99 Resp: 976772

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

71 33.4 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 13.15 ng

RT: 6.42 min Scan# 762

Delta R.T. 0.17 min

Lab File: BF094524.D

Acq: 19 Apr 2017 19:08

Tgt Ion: 70 Resp: 80723

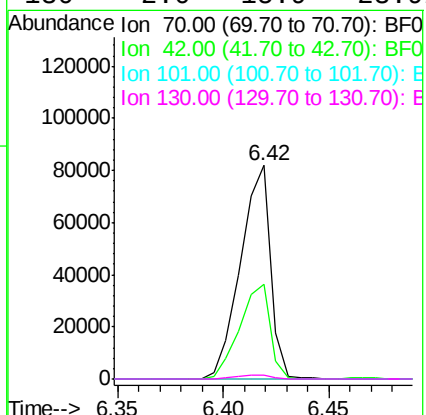
Ion Ratio Lower Upper

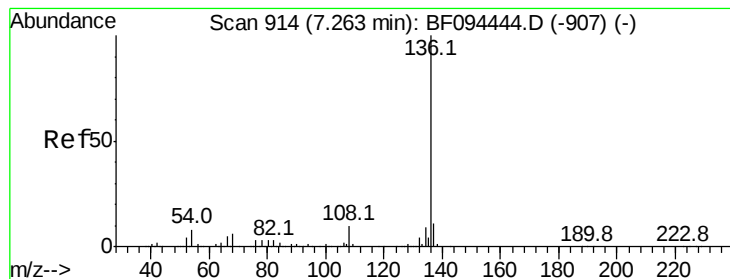
70 100

42 44.2 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.00 min

Lab File: BF094524.D

Acq: 19 Apr 2017 19:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 528650

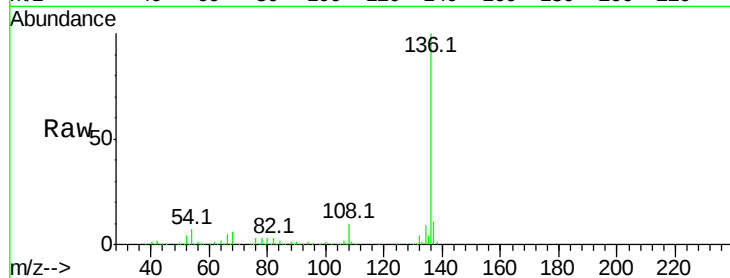
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 7.3 4.9 7.3

68 5.9 4.1 6.1

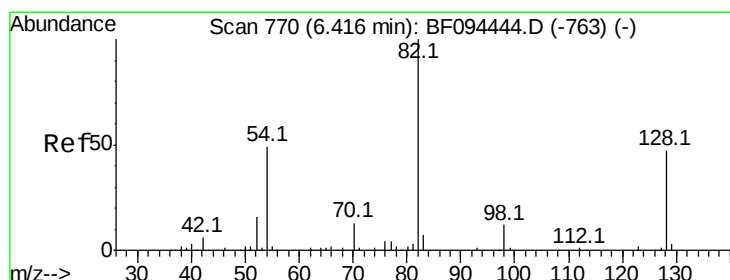
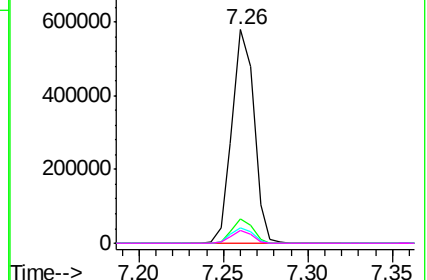
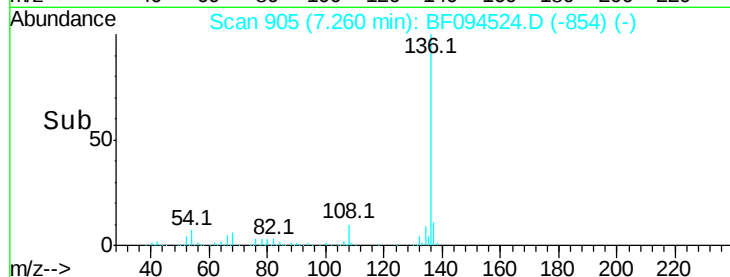


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.46 ng

RT: 6.42 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF094524.D

Acq: 19 Apr 2017 19:08

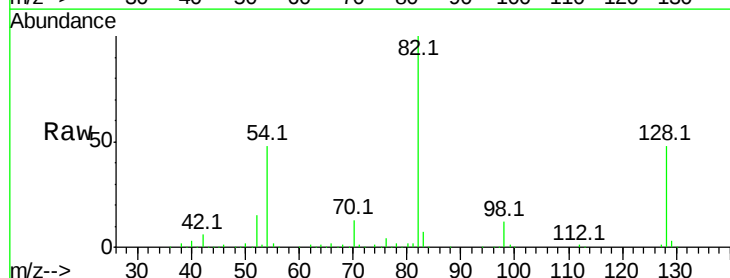
Tgt Ion: 82 Resp: 603263

Ion Ratio Lower Upper

82 100

128 48.2 34.0 51.0

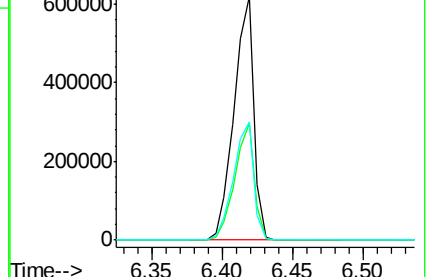
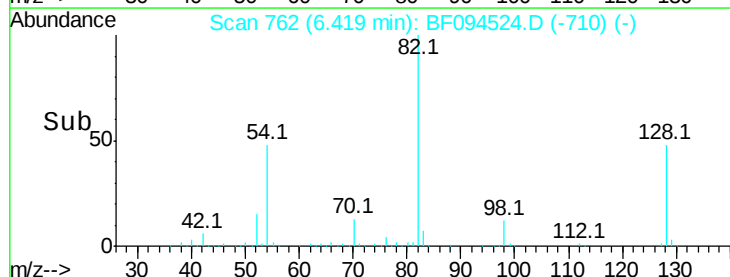
54 48.4 42.2 63.2

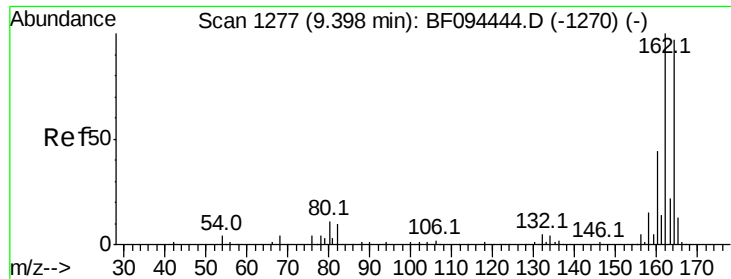


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.40 min Scan# 1268

Delta R.T. -0.00 min

Lab File: BF094524.D

Acq: 19 Apr 2017 19:08

Instrument :

BNA_F

ClientSampleId :

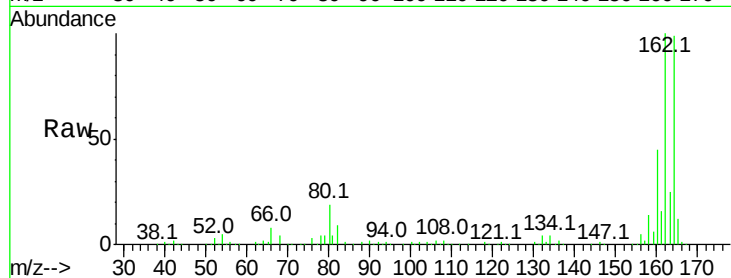
Tot Ion:164 Resp: 230350

Ion Ratio Lower Upper

164 100

162 101.5 82.6 123.8

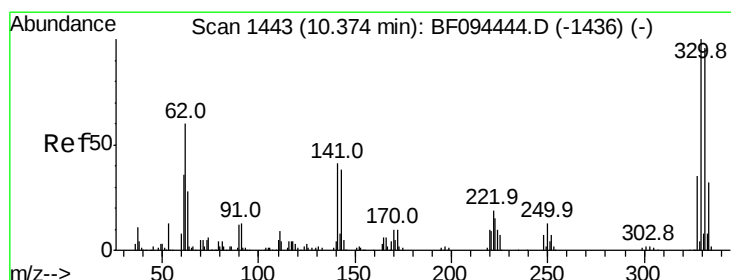
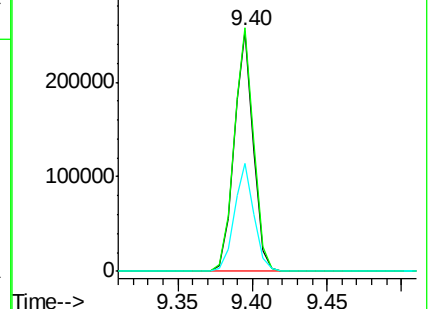
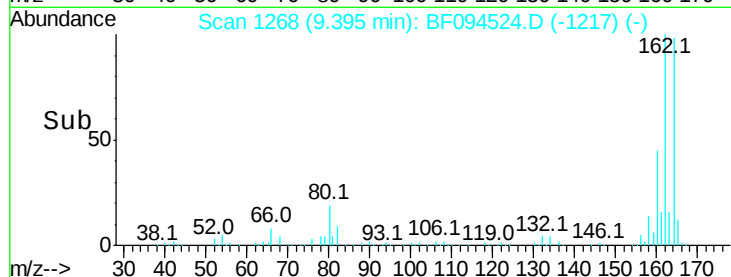
160 45.2 36.2 54.2



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: 106.54 ng

RT: 10.37 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BF094524.D

Acq: 19 Apr 2017 19:08

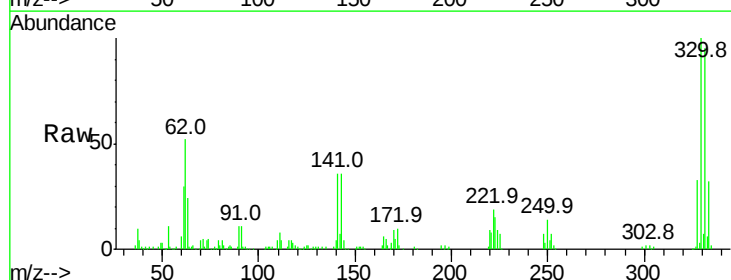
Tgt Ion:330 Resp: 191960

Ion Ratio Lower Upper

330 100

332 95.6 76.6 115.0

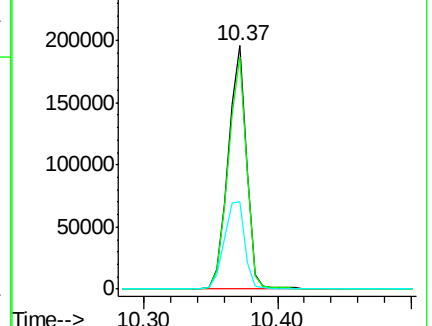
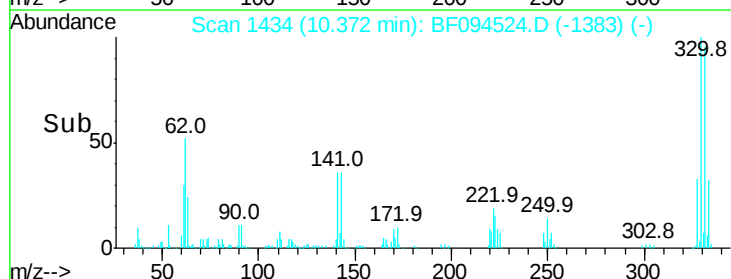
141 40.6 31.4 47.2

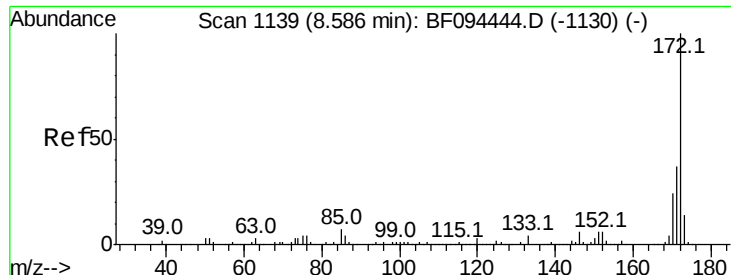


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

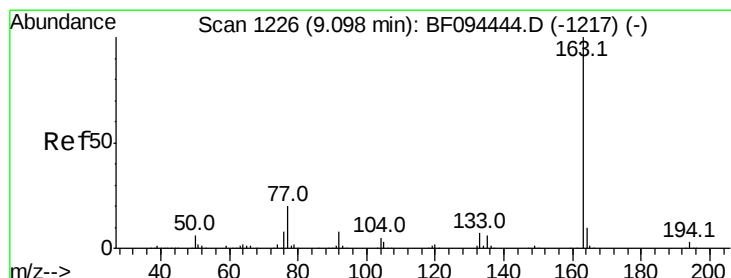
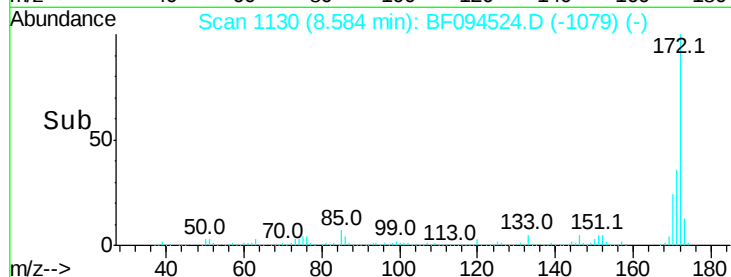
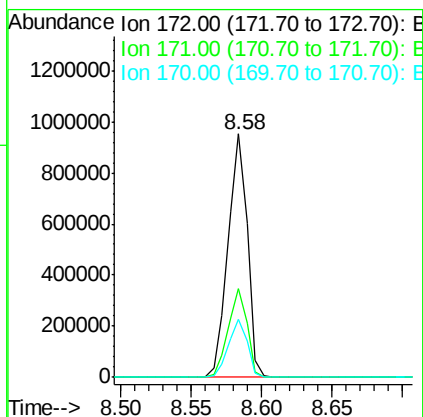
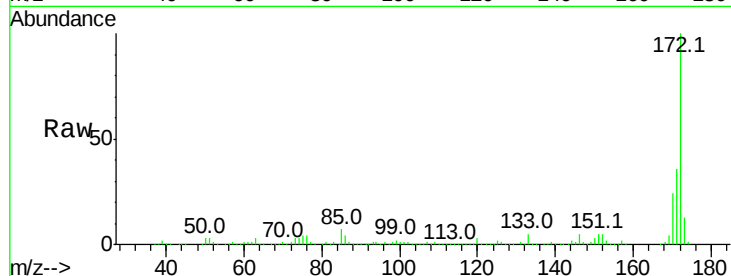




#44
2-Fluorobiphenyl
Concen: 57.87 ng
RT: 8.58 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BF094524.D
Acq: 19 Apr 2017 19:08

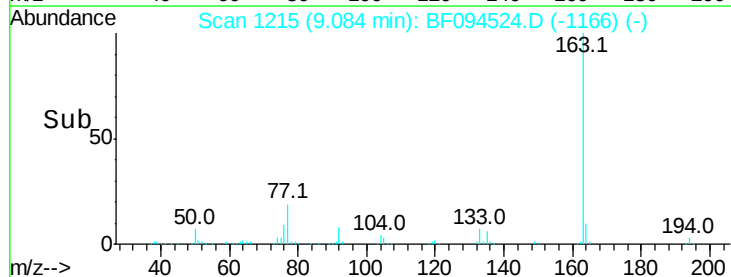
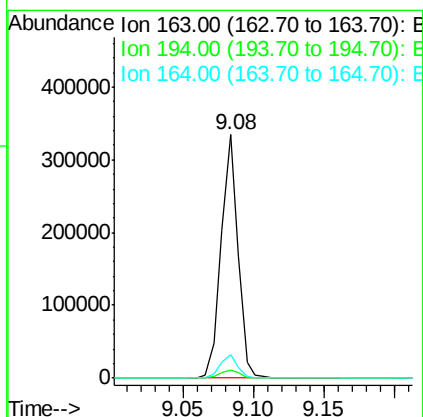
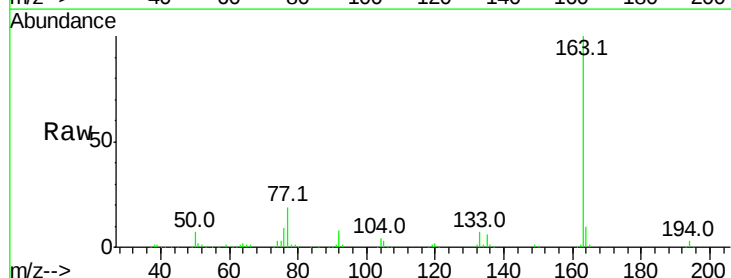
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 906070
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 23.8 19.8 29.8



#49
Dimethylphthalate
Concen: 16.21 ng
RT: 9.08 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF094524.D
Acq: 19 Apr 2017 19:08

Tgt Ion:163 Resp: 278312
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.8 8.4 12.6

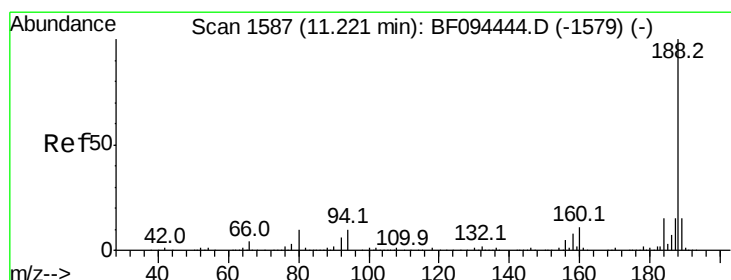
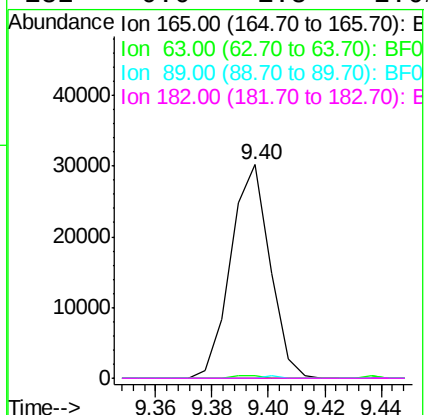
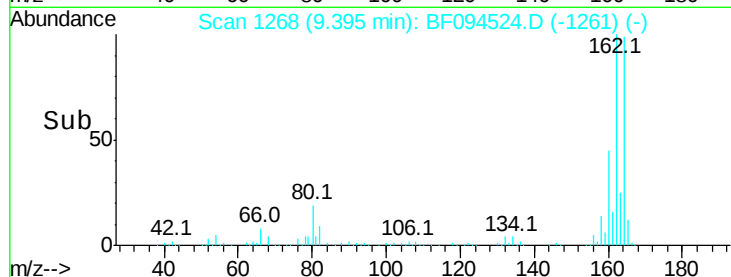
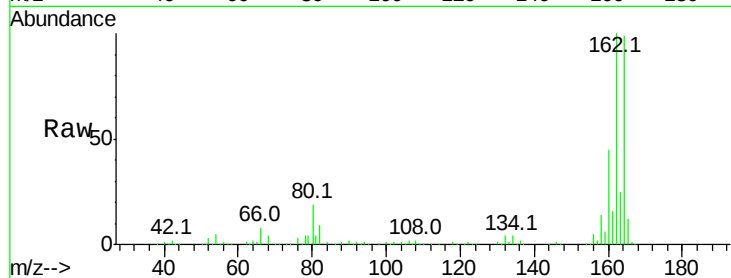




#56
 2,4-Dinitrotoluene
 Concen: 6.14 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. -0.26 min
 Lab File: BF094524.D
 Acq: 19 Apr 2017 19:08

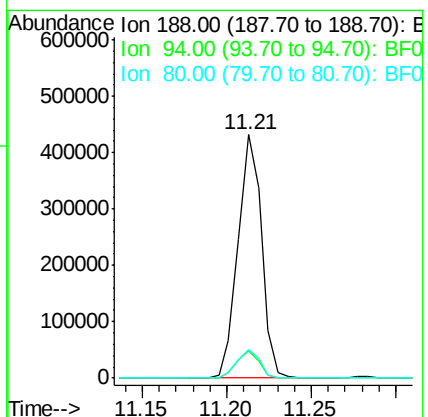
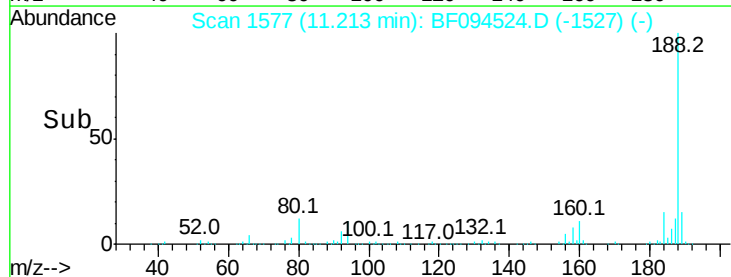
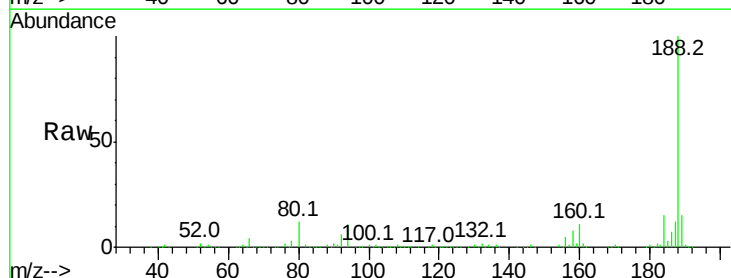
Instrument :
 BNA_F
 ClientSampleId :

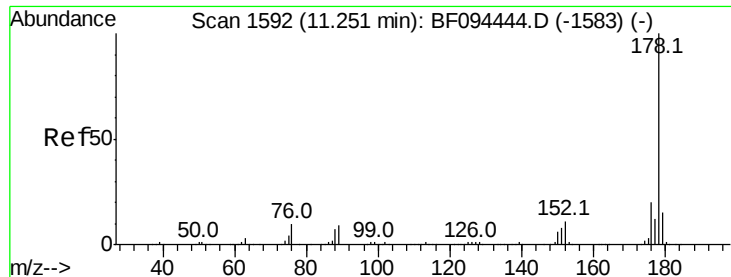
Tot Ion:165 Resp: 29044
 Ion Ratio Lower Upper
 165 100
 63 1.4 25.4 38.0#
 89 0.0 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF094524.D
 Acq: 19 Apr 2017 19:08

Tgt Ion:188 Resp: 419311
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 11.9 10.2 15.2





#70

Phenanthrene

Concen: 2.65 ng

RT: 11.24 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF094524.D

Acq: 19 Apr 2017 19:08

Instrument :

BNA_F

ClientSampleId :

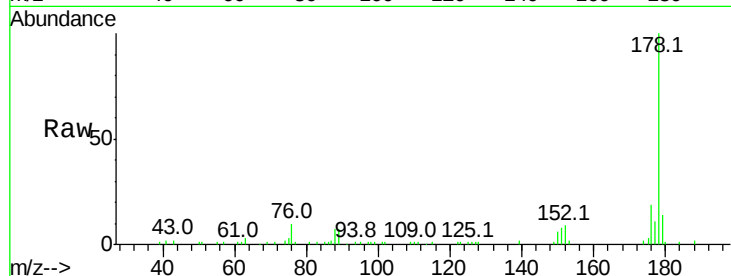
Tot Ion:178 Resp: 62512

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.4

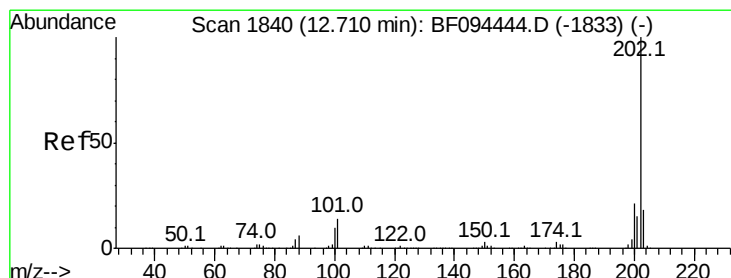
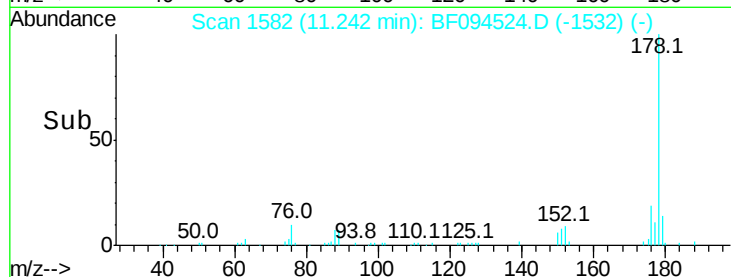
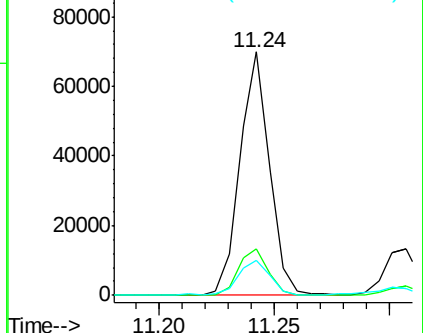
179 14.5 12.6 19.0



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: 7.30 ng

RT: 12.70 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF094524.D

Acq: 19 Apr 2017 19:08

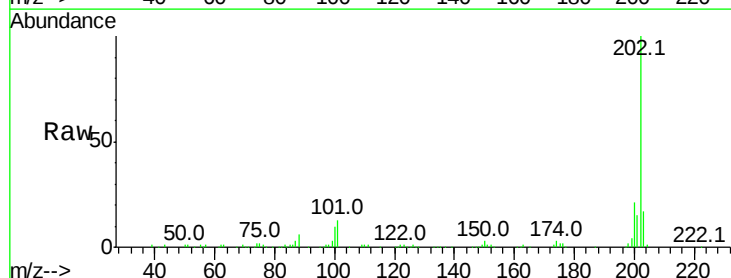
Tgt Ion:202 Resp: 178680

Ion Ratio Lower Upper

202 100

101 13.3 0.0 33.2

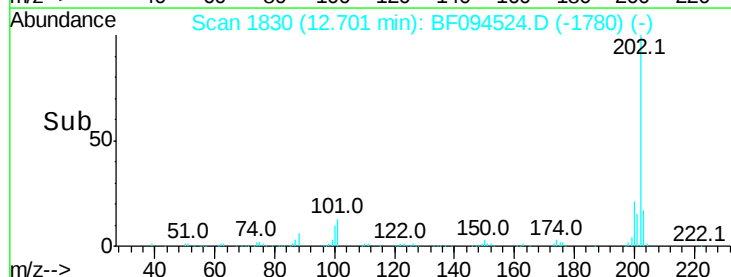
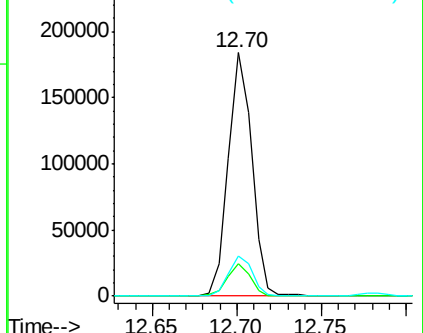
203 16.5 0.0 38.1

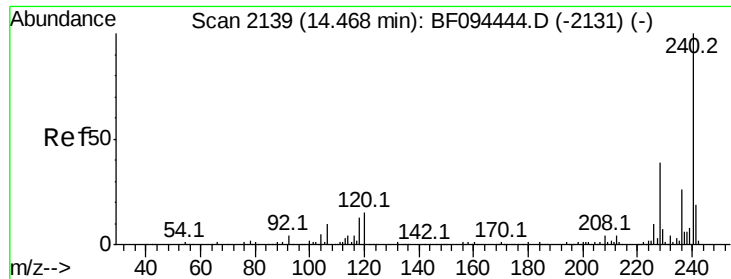


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.46 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF094524.D

Acq: 19 Apr 2017 19:08

Instrument :

BNA_F

ClientSampleId :

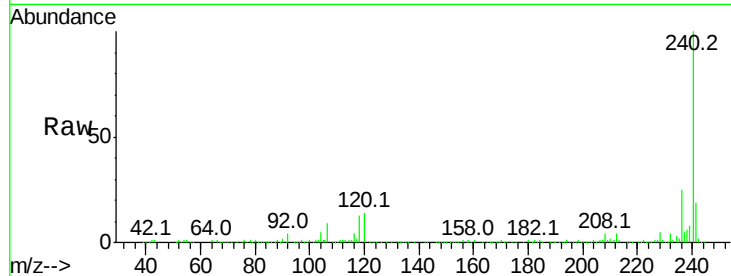
Tot Ion:240 Resp: 288850

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

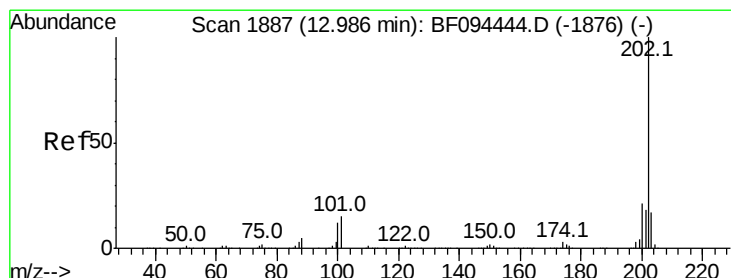
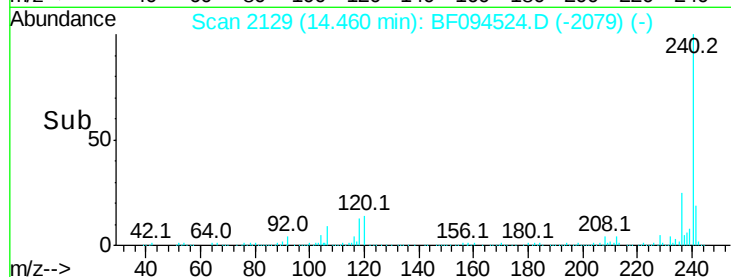
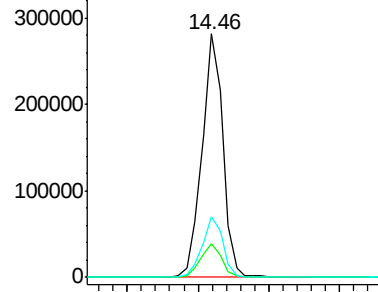
236 24.8 20.5 30.7



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: 7.09 ng

RT: 12.98 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BF094524.D

Acq: 19 Apr 2017 19:08

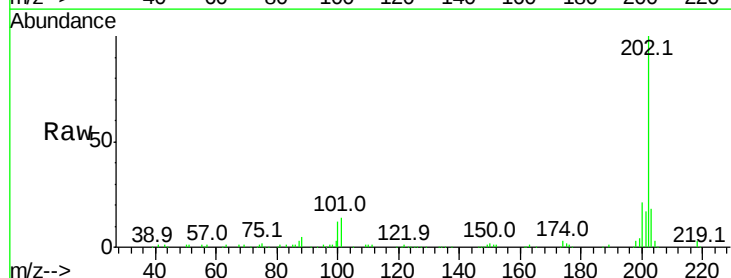
Tgt Ion:202 Resp: 143016

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

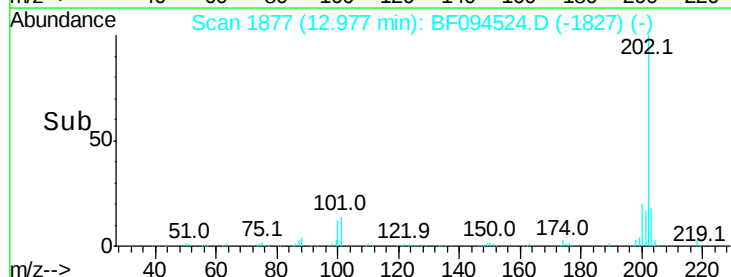
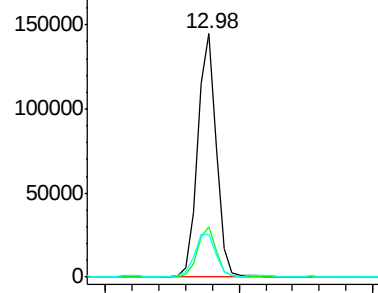
203 17.7 14.4 21.6

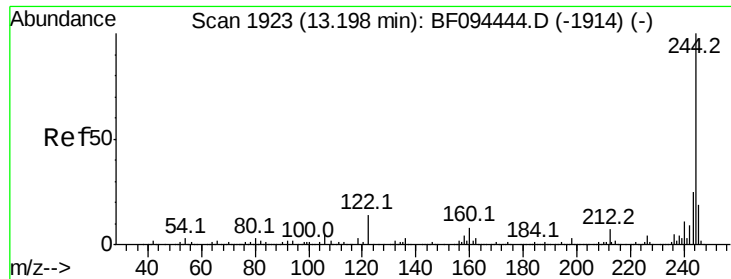


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

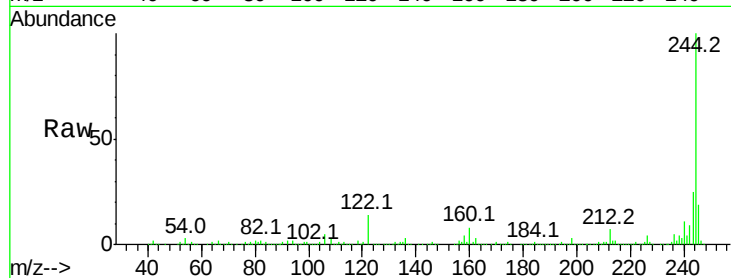




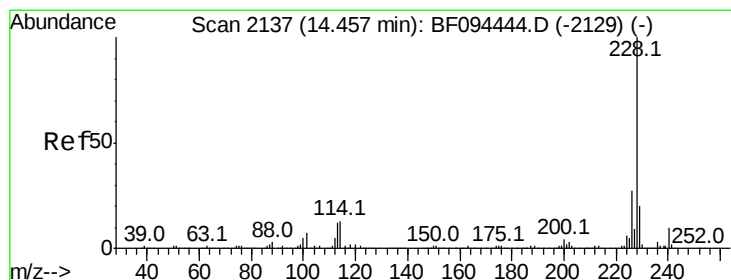
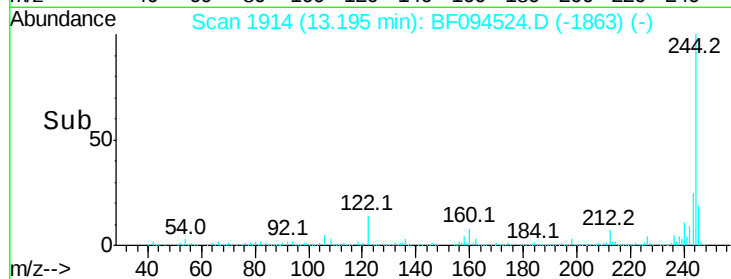
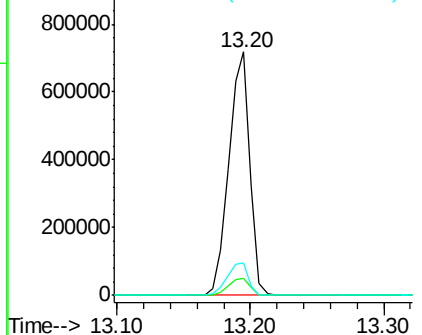
#78
 Terphenyl-d14
 Concen: 73.36 ng
 RT: 13.20 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: BF094524.D
 Acq: 19 Apr 2017 19:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 792729
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 13.5 10.3 15.5

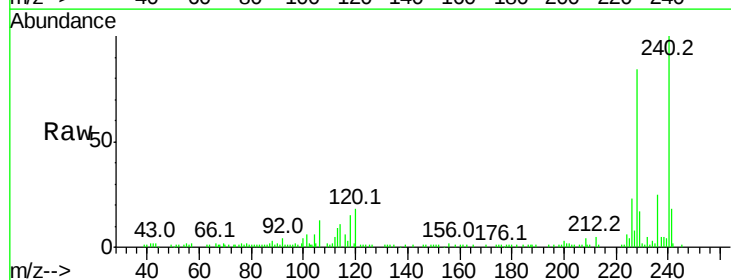


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

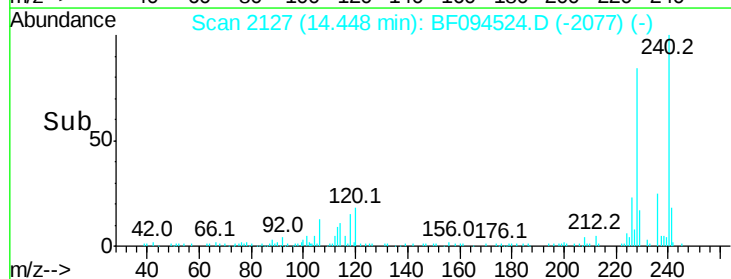
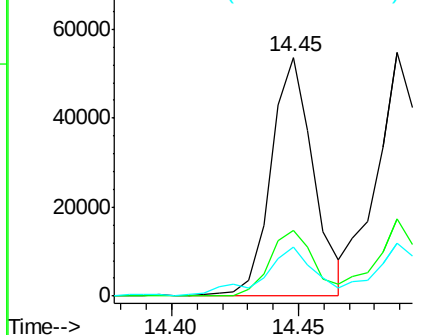


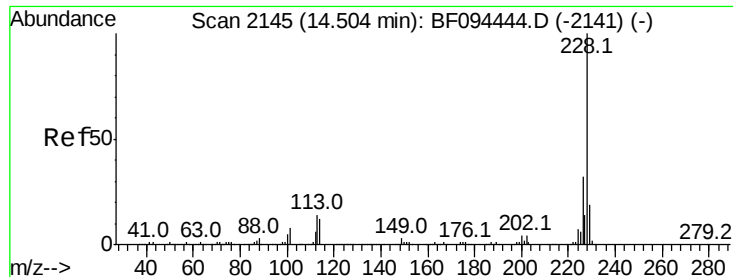
#80
 Benzo(a)anthracene
 Concen: 3.74 ng
 RT: 14.45 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BF094524.D
 Acq: 19 Apr 2017 19:08

Tgt Ion:228 Resp: 62781
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.6 33.8
 229 20.4 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

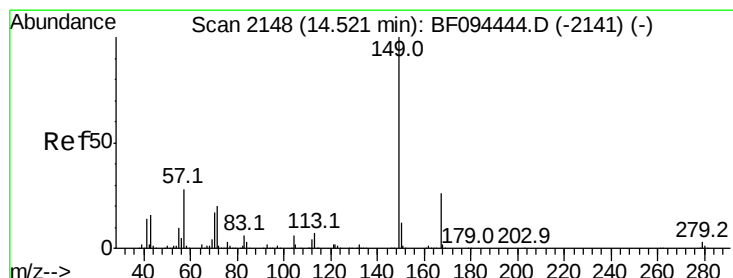
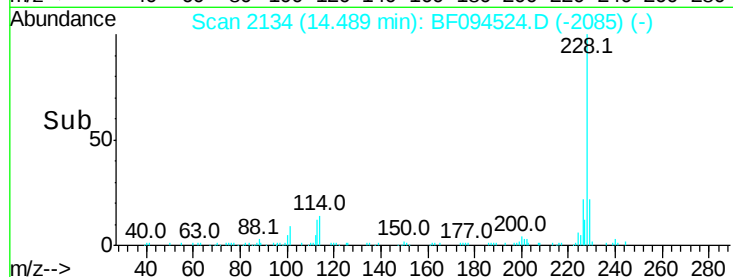
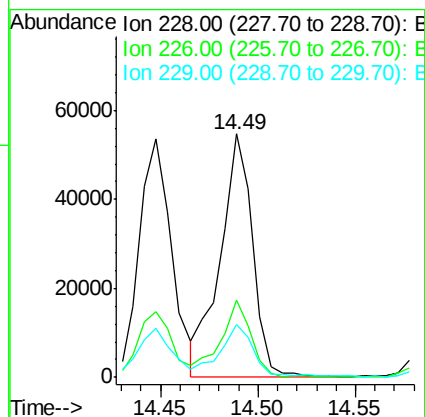
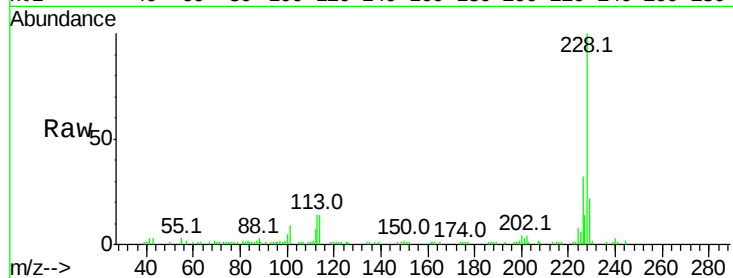




#82
 Chrysene
 Concen: 4.13 ng
 RT: 14.49 min Scan# 2134
 Delta R.T. -0.01 min
 Lab File: BF094524.D
 Acq: 19 Apr 2017 19:08

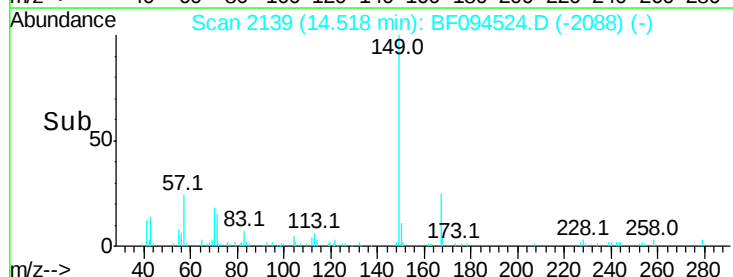
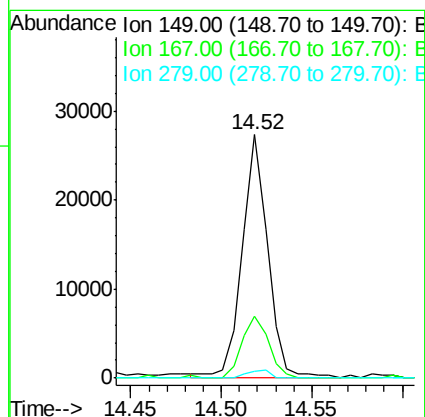
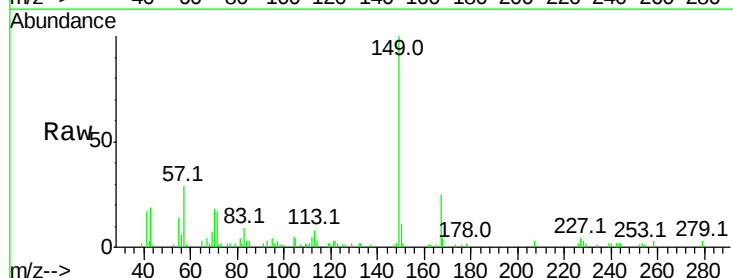
Instrument :
 BNA_F
 ClientSampleId :

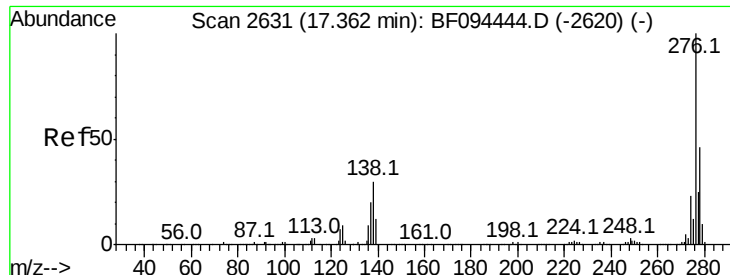
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.9	37.3
229	21.7	15.8	23.6



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.26 ng
 RT: 14.52 min Scan# 2139
 Delta R.T. -0.00 min
 Lab File: BF094524.D
 Acq: 19 Apr 2017 19:08

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.2	21.0	31.4
279	2.9	1.9	2.9#

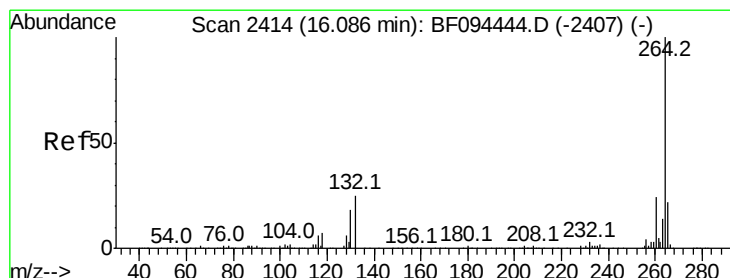
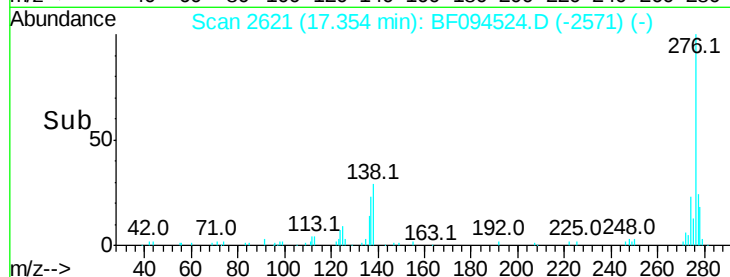
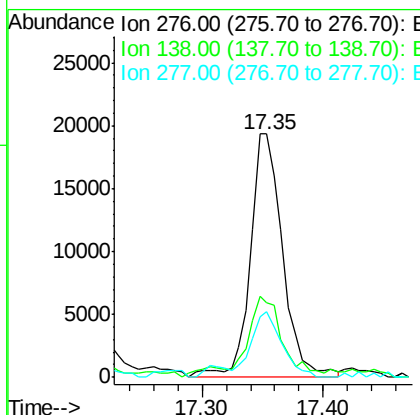
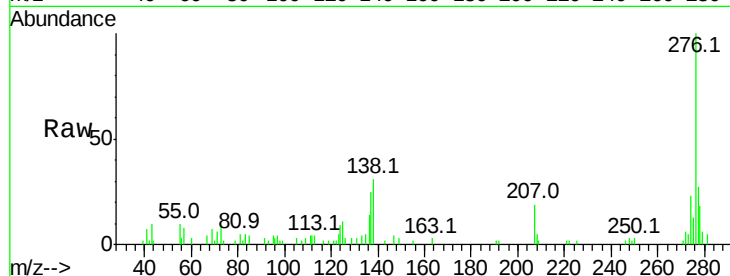




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.47 ng
 RT: 17.35 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BF094524.D
 Acq: 19 Apr 2017 19:08

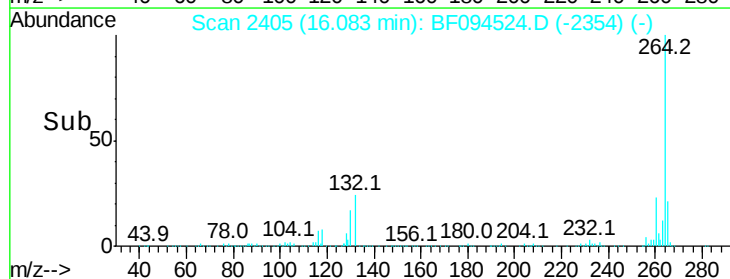
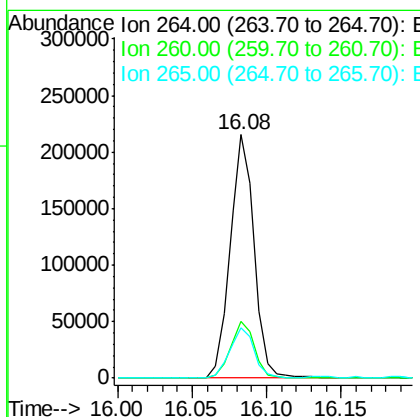
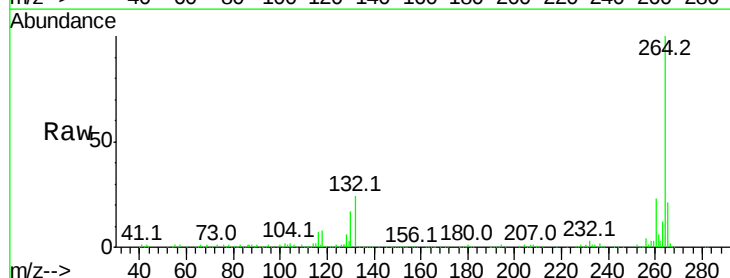
Instrument :
 BNA_F
 ClientSampled :

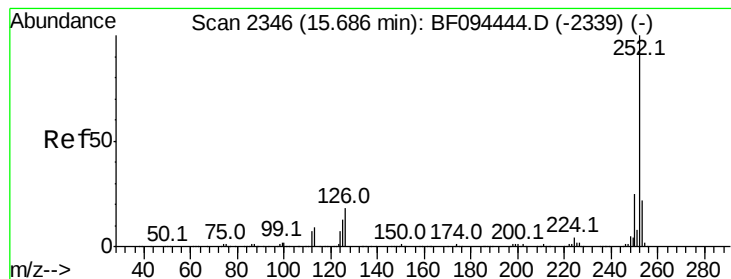
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.1	27.8	41.6
277	25.6	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.08 min Scan# 2405
 Delta R.T. -0.00 min
 Lab File: BF094524.D
 Acq: 19 Apr 2017 19:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	20.8	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 6.86 ng

RT: 15.68 min Scan# 2337

Delta R.T. -0.00 min

Lab File: BF094524.D

Acq: 19 Apr 2017 19:08

Instrument :

BNA_F

ClientSampleId :

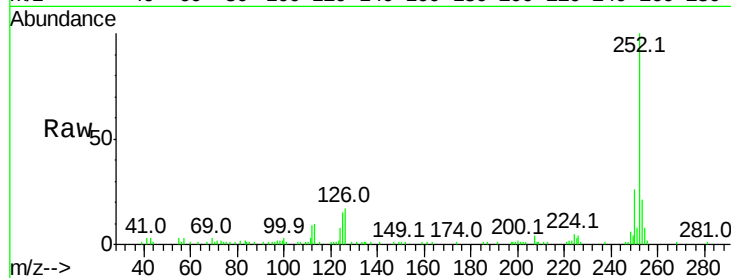
Tot Ion:252 Resp: 102246

Ion Ratio Lower Upper

252 100

253 21.3 18.1 27.1

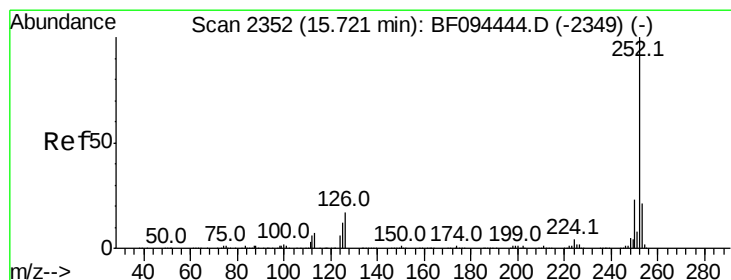
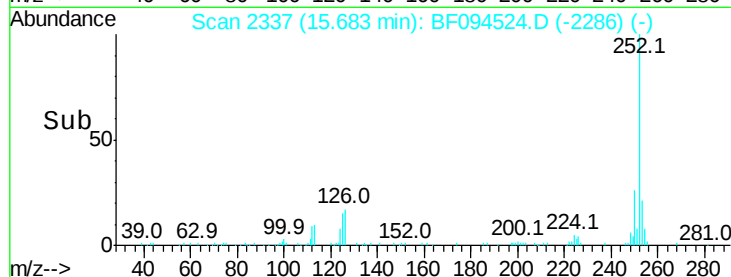
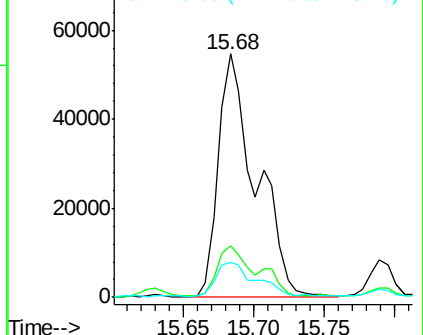
125 14.5 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 7.25 ng

RT: 15.68 min Scan# 2337

Delta R.T. -0.04 min

Lab File: BF094524.D

Acq: 19 Apr 2017 19:08

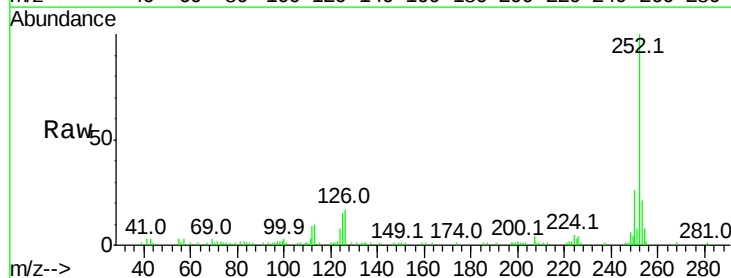
Tgt Ion:252 Resp: 102246

Ion Ratio Lower Upper

252 100

253 21.3 18.4 27.6

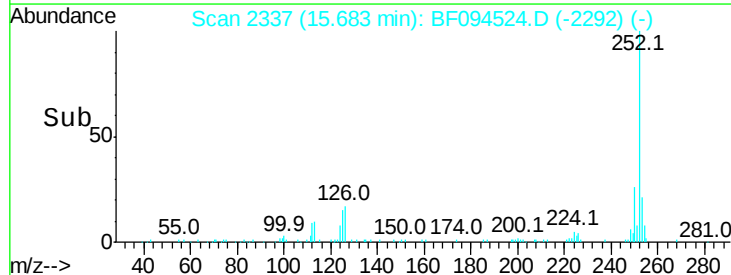
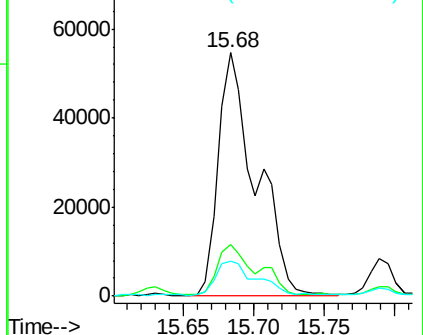
125 14.5 13.1 19.7

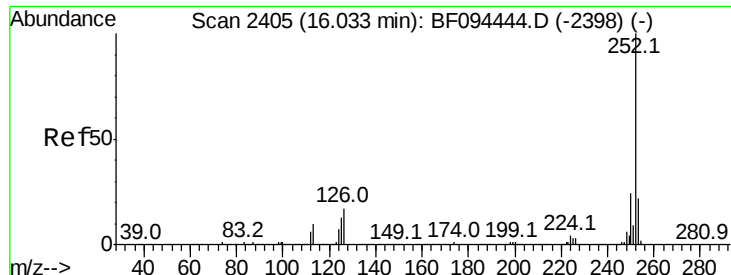


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.62 ng

RT: 16.02 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BF094524.D

Acq: 19 Apr 2017 19:08

Instrument :

BNA_F

ClientSampleId :

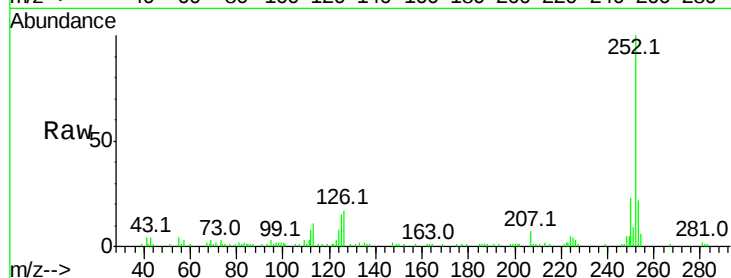
Tot Ion:252 Resp: 50255

Ion Ratio Lower Upper

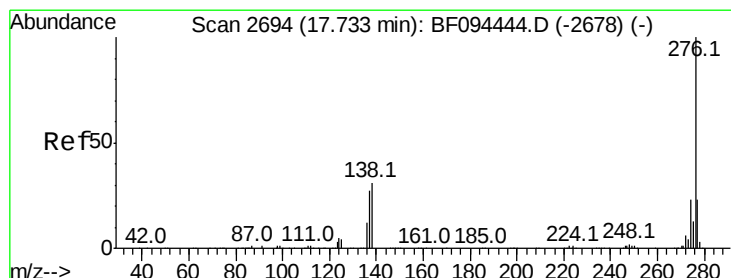
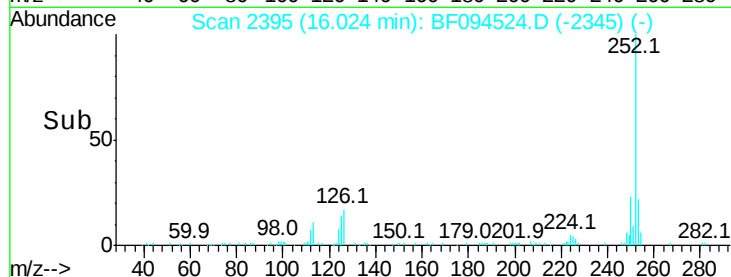
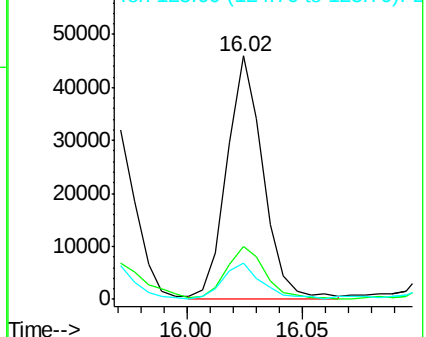
252 100

253 21.9 17.5 26.3

125 15.1 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: 2.91 ng

RT: 17.72 min Scan# 2684

Delta R.T. -0.01 min

Lab File: BF094524.D

Acq: 19 Apr 2017 19:08

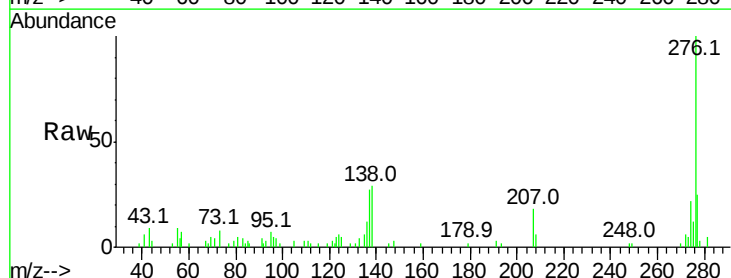
Tgt Ion:276 Resp: 34157

Ion Ratio Lower Upper

276 100

277 25.2 18.6 28.0

138 29.4 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

