

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041917\
 Data File : BF094527.D
 Acq On : 19 Apr 2017 20:31
 Operator : SJ/MA
 Sample : I2749-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 20 03:07:20 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

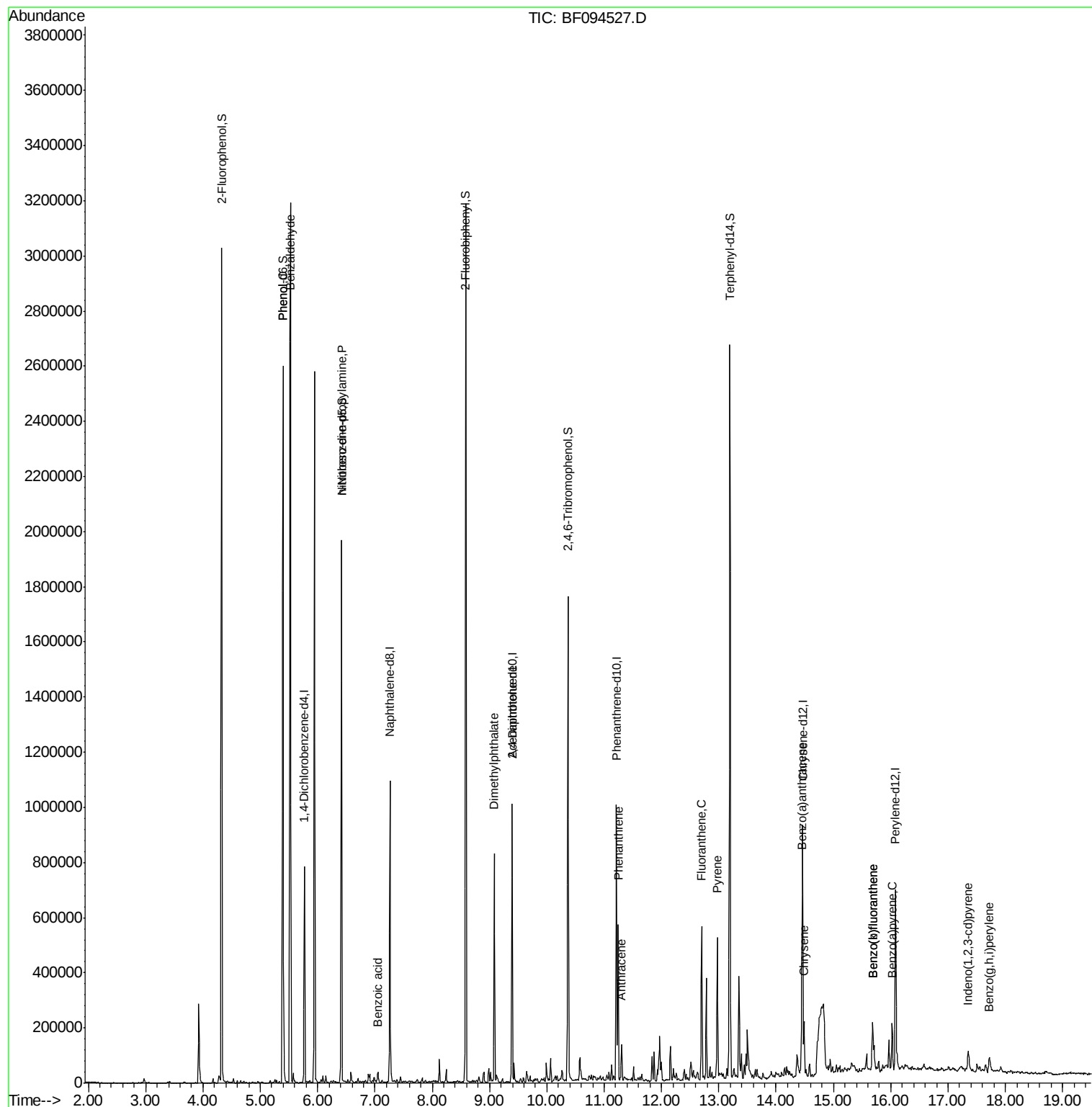
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	132827	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	505093	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	205167	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	397844	20.00	ng	0.00
75) Chrysene-d12	14.46	240	301307	20.00	ng	0.00
86) Perylene-d12	16.08	264	259205	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	883130	110.31	ng	0.02
7) Phenol-d6	5.40	99	1130719	119.80	ng	0.00
23) Nitrobenzene-d5	6.42	82	695910	85.08	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	216111	134.67	ng	0.00
44) 2-Fluorobiphenyl	8.59	172	1202714	86.25	ng	0.00
78) Terphenyl-d14	13.20	244	962441	85.38	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	5.52	77	19131	2.66	ng	83
10) Phenol	5.41	94	27850	2.40	ng	98
19) n-Nitroso-di-n-propylamine	6.42	70	92680	14.82	ng	# 76
32) Benzoic acid	7.05	122	10279	2.59	ng	# 13
49) Dimethylphthalate	9.08	163	351490	22.99	ng	99
56) 2,4-Dinitrotoluene	9.40	165	26833	6.37	ng	# 33
70) Phenanthrene	11.24	178	211927	9.46	ng	97
71) Anthracene	11.31	178	56609	2.44	ng	97
74) Fluoranthene	12.70	202	236081	10.17	ng	97
77) Pyrene	12.98	202	212851	10.11	ng	98
80) Benzo(a)anthracene	14.45	228	83890	4.79	ng	98
82) Chrysene	14.49	228	84306	5.27	ng	95
85) Indeno(1,2,3-cd)pyrene	17.35	276	43539	2.86	ng	94
87) Benzo(b)fluoranthene	15.68	252	117180	7.39	ng	# 96
88) Benzo(k)fluoranthene	15.68	252	117180	7.81	ng	97
89) Benzo(a)pyrene	16.02	252	65052	4.41	ng	98
91) Benzo(a,h,i)perylene	17.72	276	39480	3.17	ng	98

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

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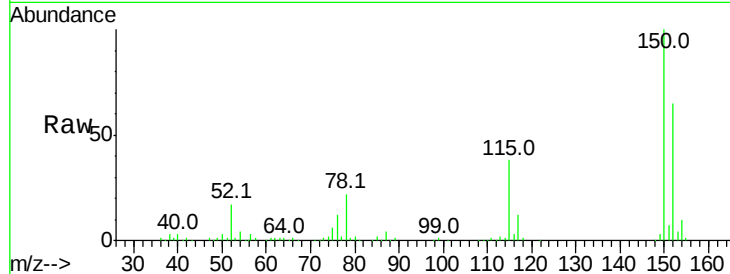


#1

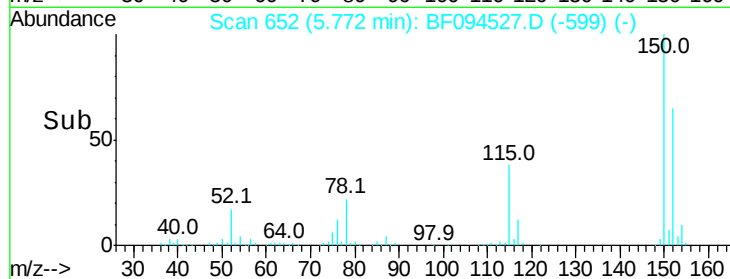
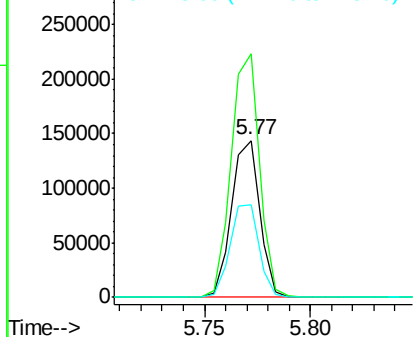
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094527.D
Acq: 19 Apr 2017 20:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 132827
Ion Ratio Lower Upper
152 100
150 155.0 126.2 189.2
115 58.5 52.2 78.2



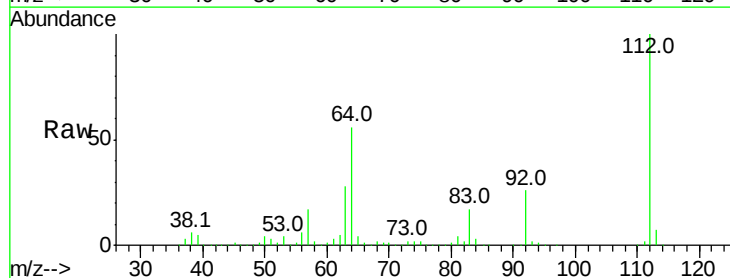
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



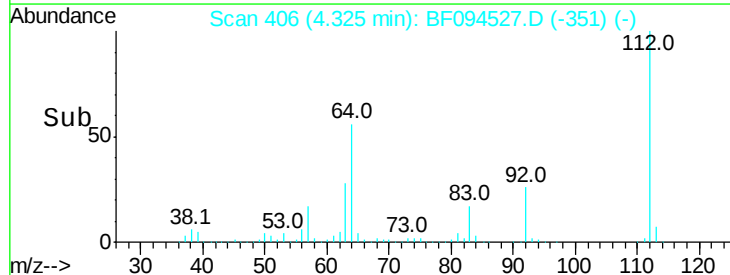
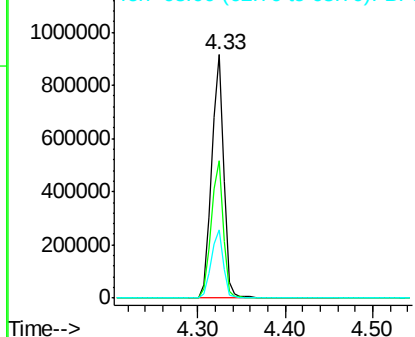
#5

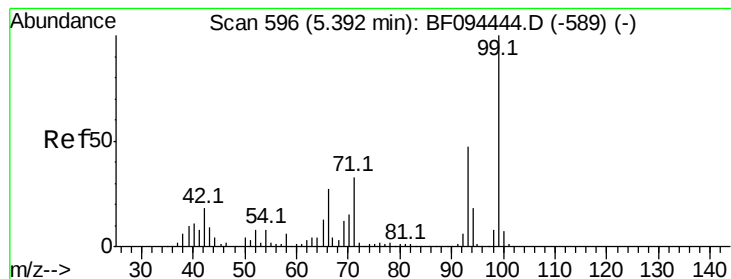
2-Fluorophenol
Concen: 110.31 ng
RT: 4.33 min Scan# 406
Delta R.T. 0.02 min
Lab File: BF094527.D
Acq: 19 Apr 2017 20:31

Tgt Ion:112 Resp: 883130
Ion Ratio Lower Upper
112 100
64 56.4 46.0 69.0
63 28.3 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: 119.80 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094527.D

Acq: 19 Apr 2017 20:31

Instrument :

BNA_F

ClientSampleId :

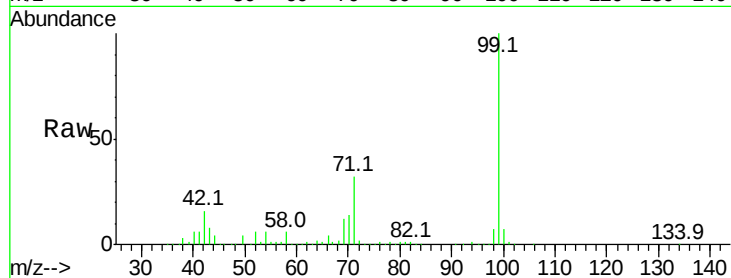
Tot Ion: 99 Resp: 1130719

Ion Ratio Lower Upper

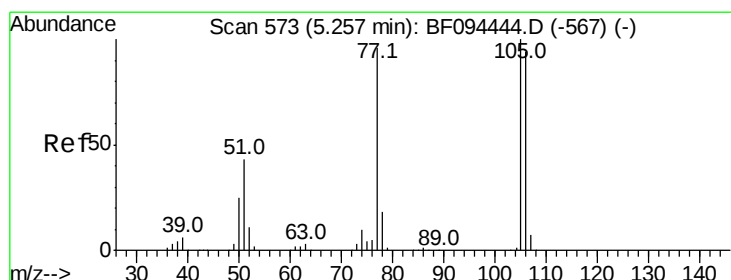
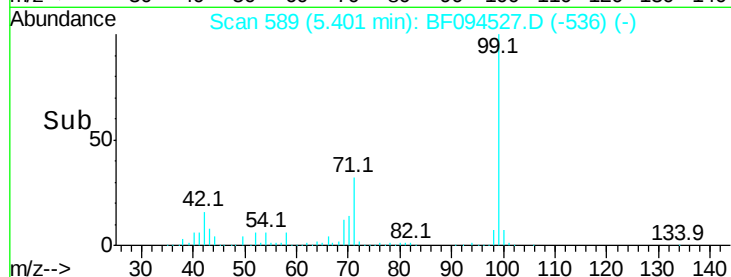
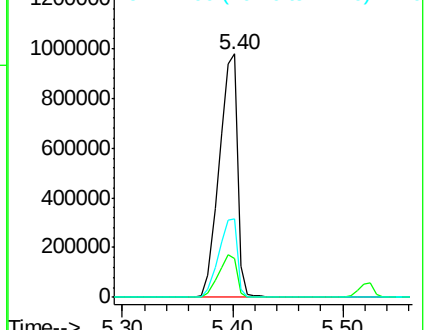
99 100

42 16.2 13.5 20.3

71 32.2 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



#9

Benzaldehyde

Concen: 2.66 ng

RT: 5.52 min Scan# 610

Delta R.T. 0.27 min

Lab File: BF094527.D

Acq: 19 Apr 2017 20:31

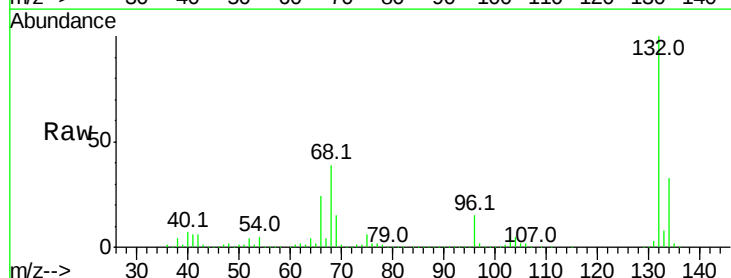
Tgt Ion: 77 Resp: 19131

Ion Ratio Lower Upper

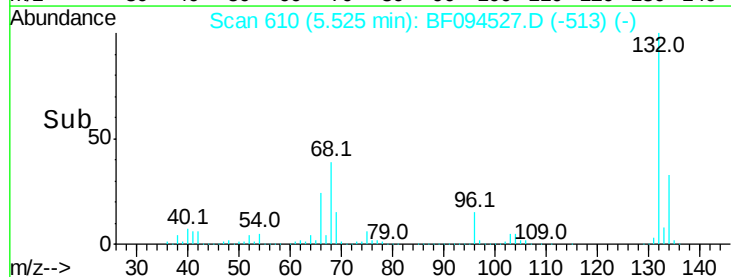
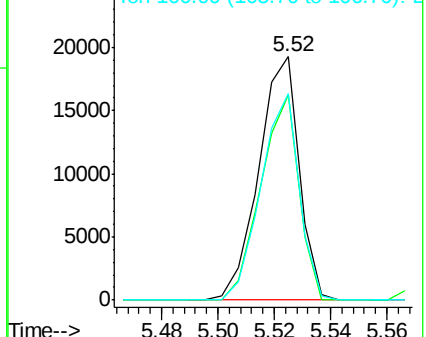
77 100

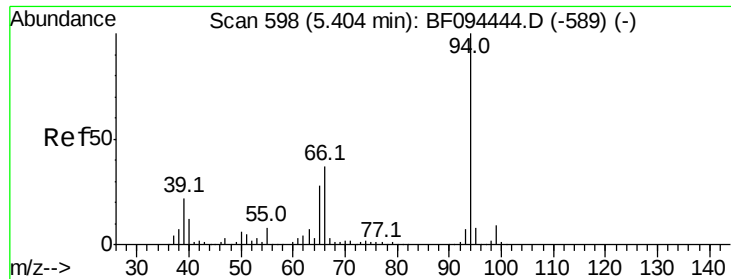
105 84.4 83.8 123.8

106 85.1 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

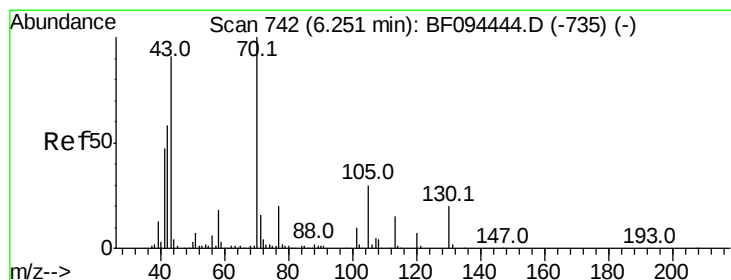
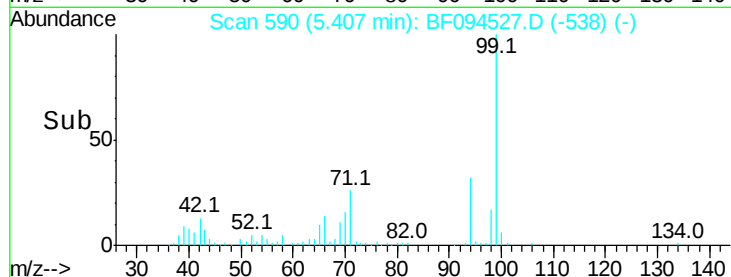
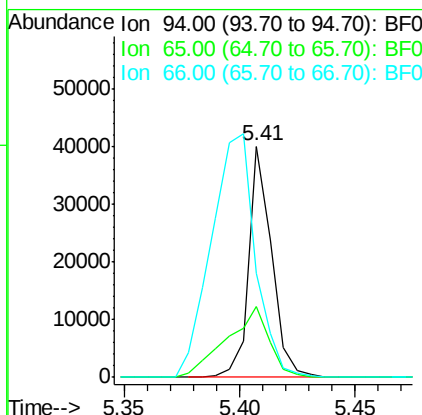
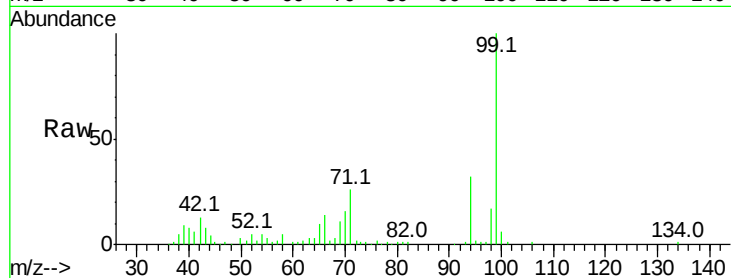




#10
Phenol
Concen: 2.40 ng
RT: 5.41 min Scan# 590
Delta R.T. 0.00 min
Lab File: BF094527.D
Acq: 19 Apr 2017 20:31

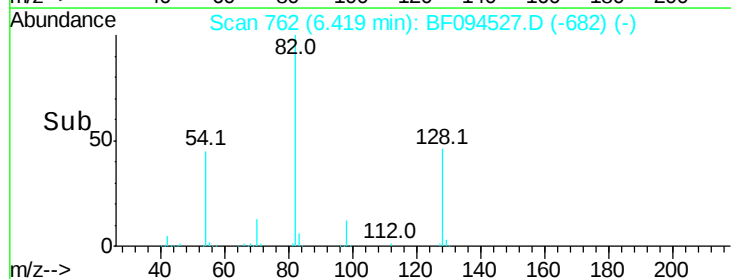
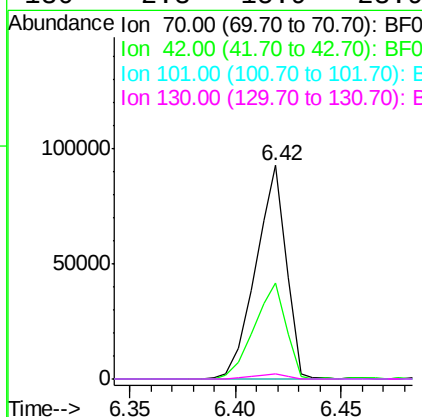
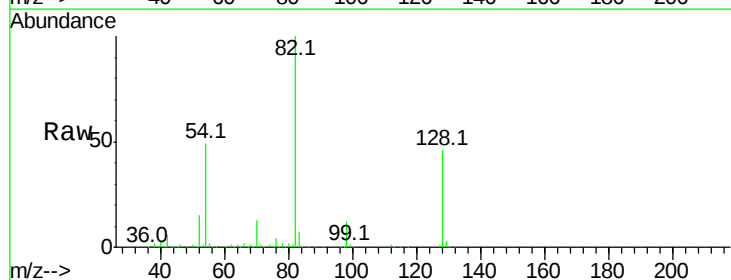
Instrument :
BNA_F
ClientSampled :

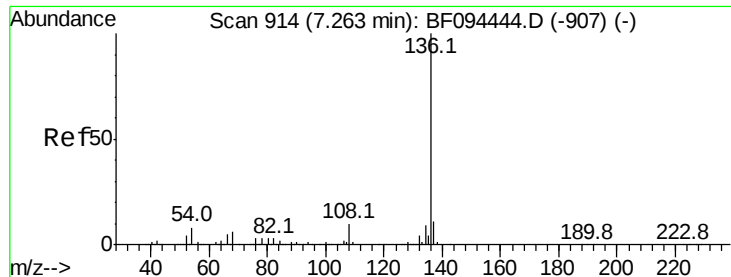
Tot Ion: 94 Resp: 27850
Ion Ratio Lower Upper
94 100
65 30.6 9.9 49.9
66 44.9 23.1 63.1



#19
n-Nitroso-di-n-propylamine
Concen: 14.82 ng
RT: 6.42 min Scan# 762
Delta R.T. 0.17 min
Lab File: BF094527.D
Acq: 19 Apr 2017 20:31

Tgt Ion: 70 Resp: 92680
Ion Ratio Lower Upper
70 100
42 44.8 47.2 70.8#
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.26 min Scan# 905

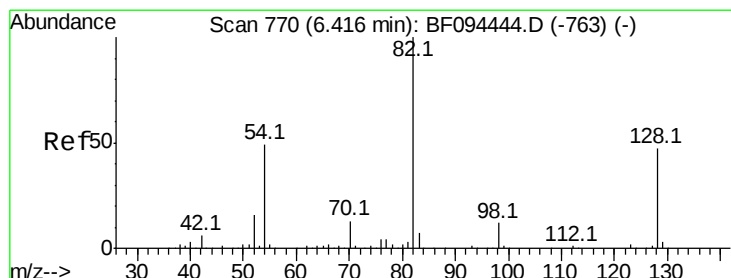
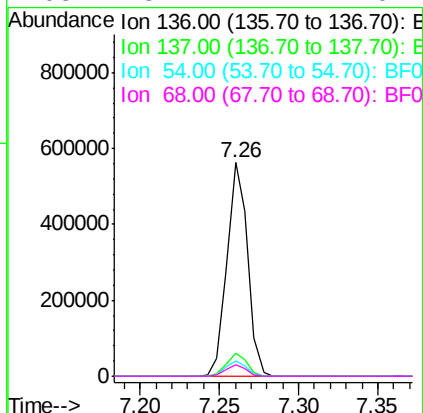
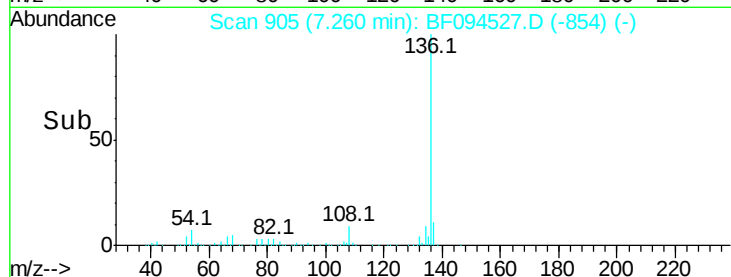
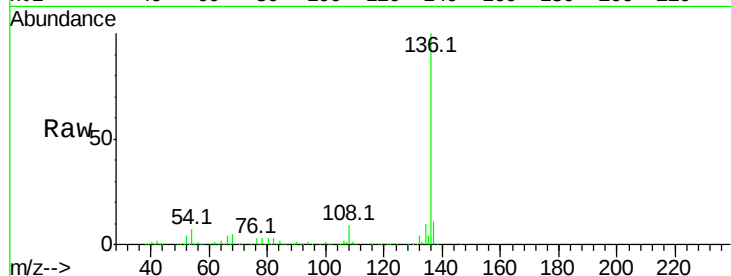
Delta R.T. -0.00 min

Lab File: BF094527.D

Acq: 19 Apr 2017 20:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	505093
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.5 12.7
54	7.4	4.9 7.3#
68	5.4	4.1 6.1



#23

Nitrobenzene-d5

Concen: 85.08 ng

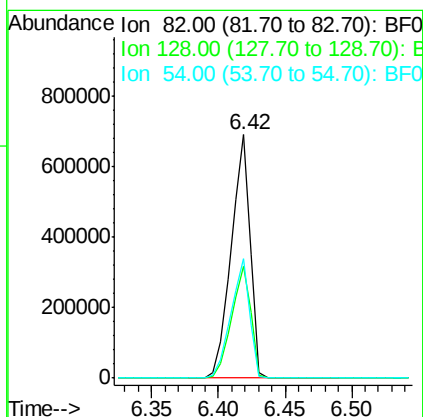
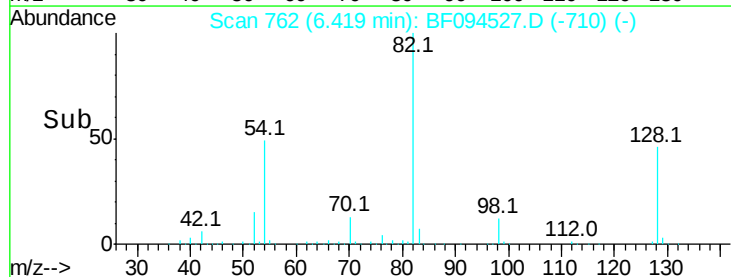
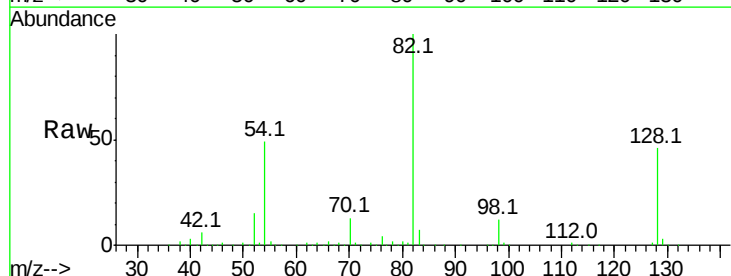
RT: 6.42 min Scan# 762

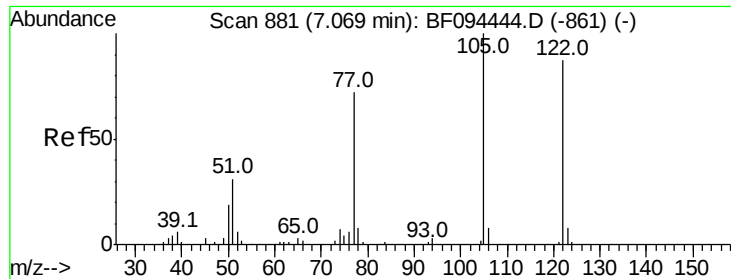
Delta R.T. 0.00 min

Lab File: BF094527.D

Acq: 19 Apr 2017 20:31

Tgt Ion: 82	Resp:	695910
Ion	Ratio	Lower Upper
82	100	
128	46.0	34.0 51.0
54	49.0	42.2 63.2





#32

Benzoic acid

Concen: 2.59 ng

RT: 7.05 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF094527.D

Acq: 19 Apr 2017 20:31

Instrument :

BNA_F

ClientSampled :

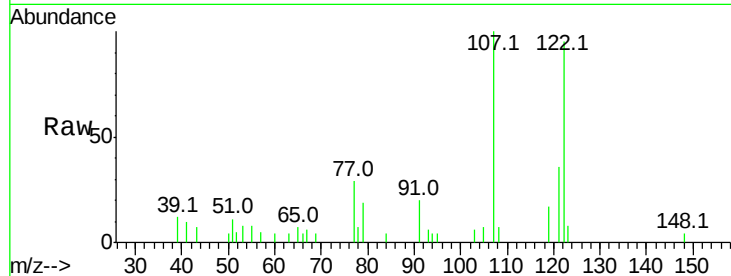
Tot Ion:122 Resp: 10279

Ion Ratio Lower Upper

122 100

105 7.5 103.3 143.3#

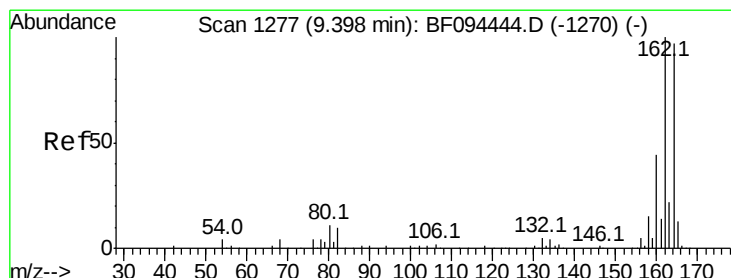
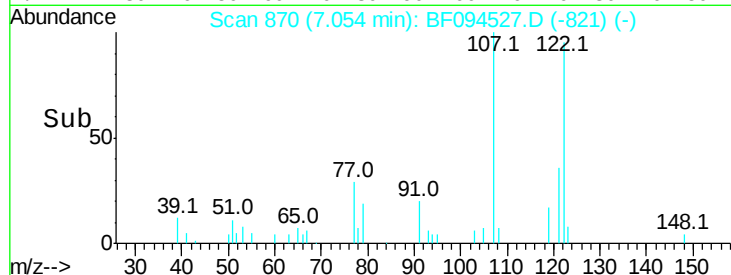
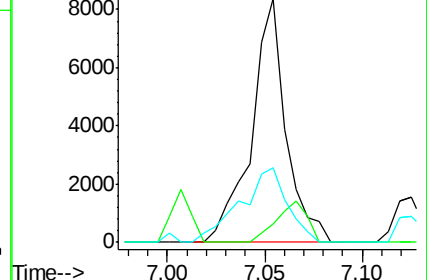
77 30.6 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.40 min Scan# 1268

Delta R.T. -0.00 min

Lab File: BF094527.D

Acq: 19 Apr 2017 20:31

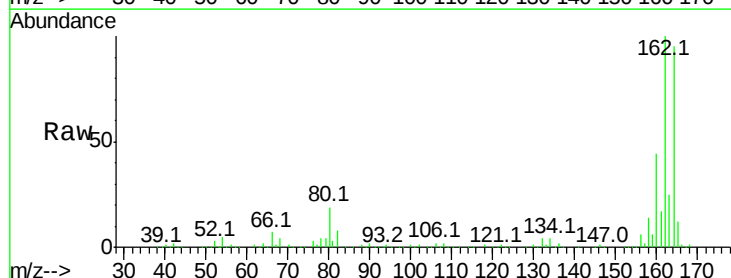
Tgt Ion:164 Resp: 205167

Ion Ratio Lower Upper

164 100

162 104.9 82.6 123.8

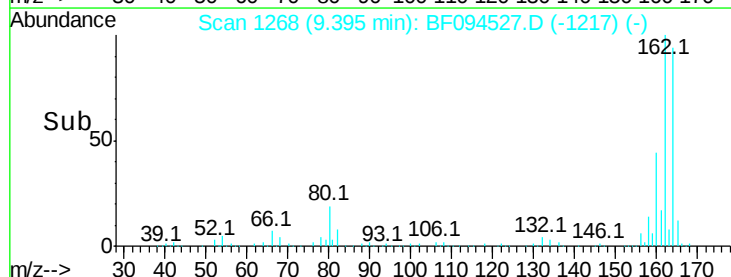
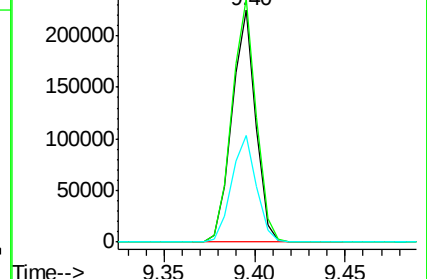
160 45.9 36.2 54.2

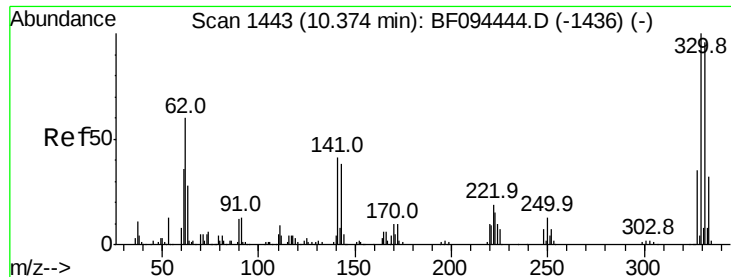


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

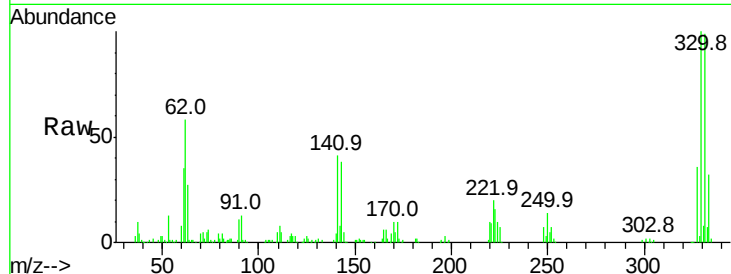




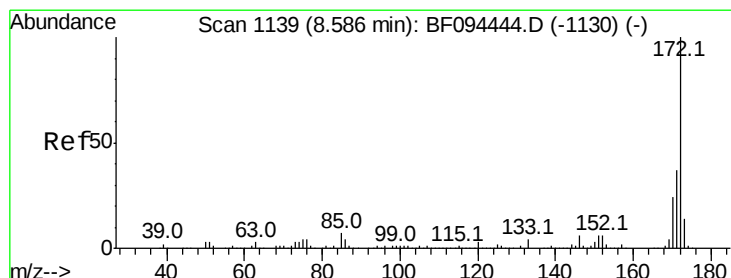
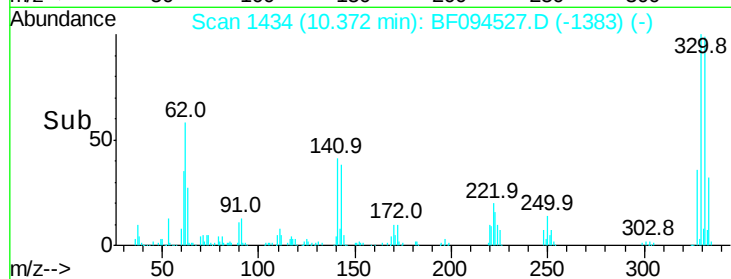
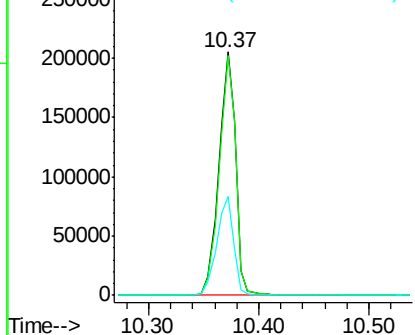
#41
 2,4,6-Tribromophenol
 Concen: 134.67 ng
 RT: 10.37 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: BF094527.D
 Acq: 19 Apr 2017 20:31

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 216111
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.6 115.0
 141 40.3 31.4 47.2

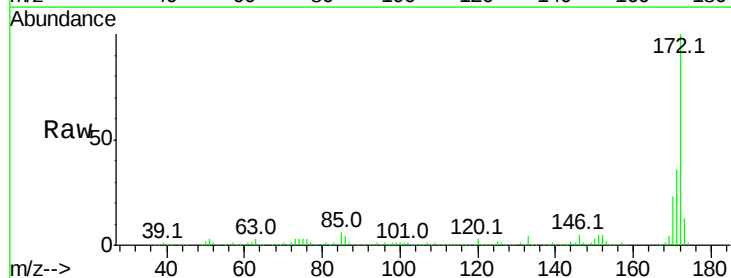


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

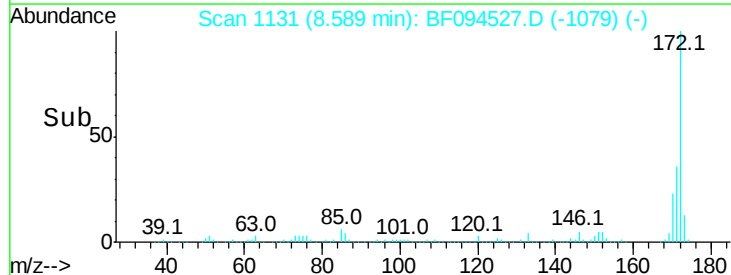
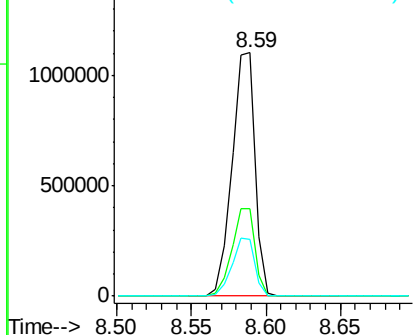


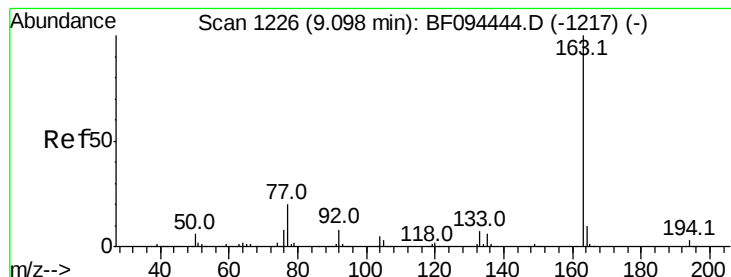
#44
 2-Fluorobiphenyl
 Concen: 86.25 ng
 RT: 8.59 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: BF094527.D
 Acq: 19 Apr 2017 20:31

Tgt Ion:172 Resp: 1202714
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 23.5 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: 22.99 ng

RT: 9.08 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF094527.D

Acq: 19 Apr 2017 20:31

Instrument :

BNA_F

ClientSampleId :

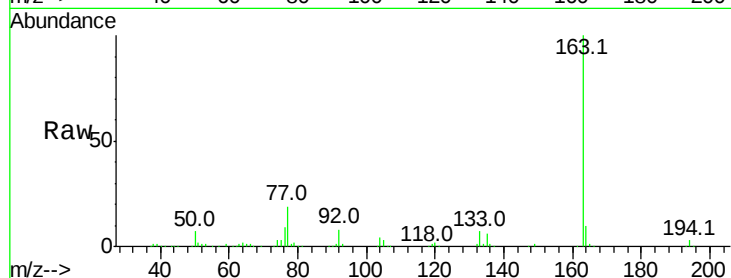
Tot Ion:163 Resp: 351490

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

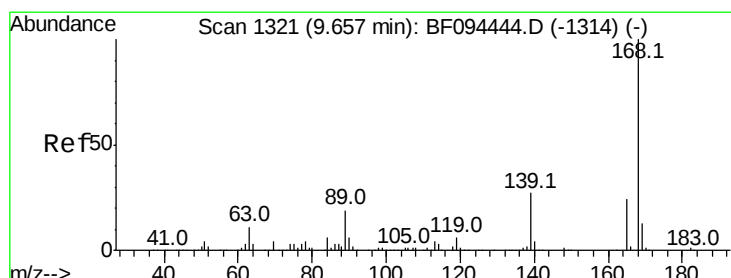
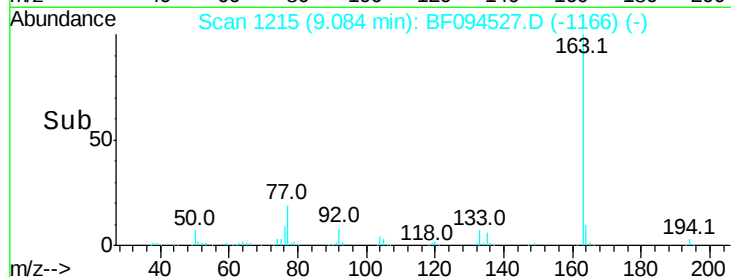
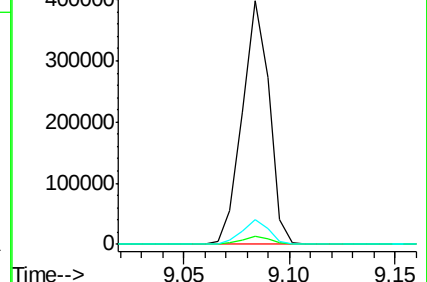
164 10.0 8.4 12.6



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: 6.37 ng

RT: 9.40 min Scan# 1268

Delta R.T. -0.26 min

Lab File: BF094527.D

Acq: 19 Apr 2017 20:31

Tgt Ion:165 Resp: 26833

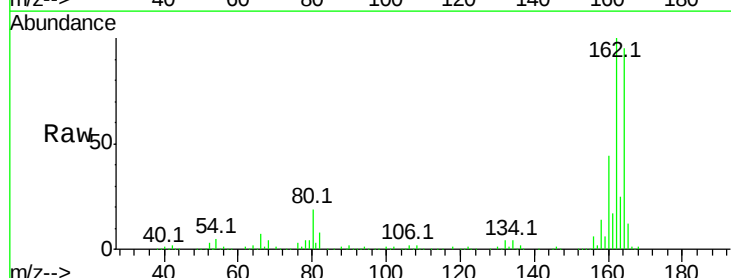
Ion Ratio Lower Upper

165 100

63 1.3 25.4 38.0#

89 1.1 46.4 69.6#

182 0.0 1.8 2.6#

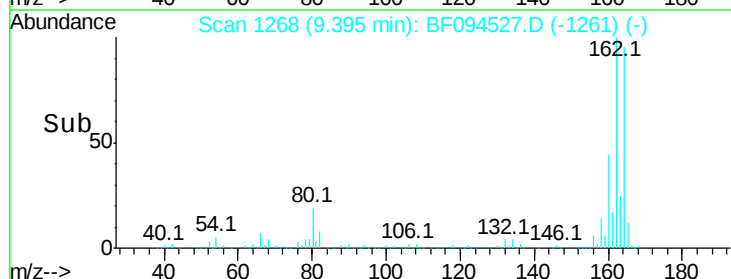
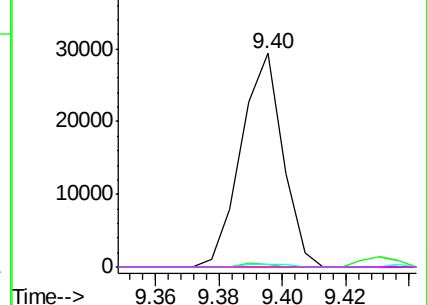


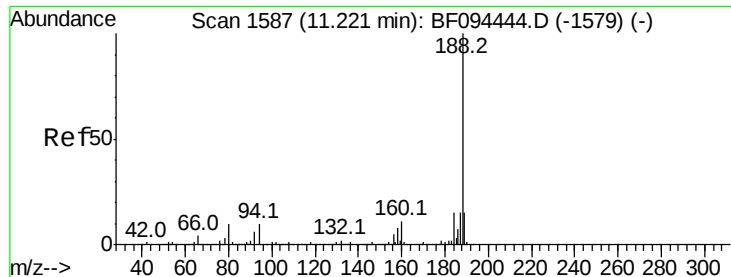
Abundance Ion 165.00 (164.70 to 165.70): E

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

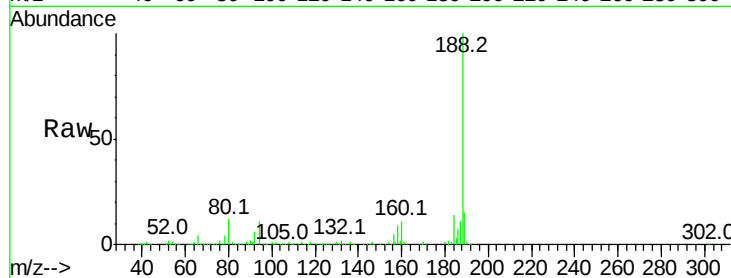




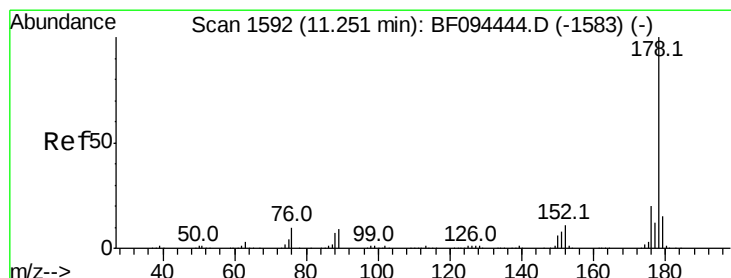
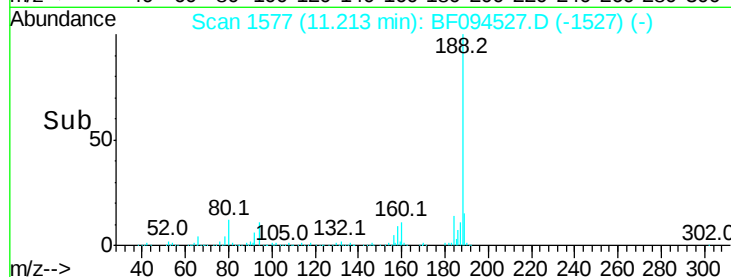
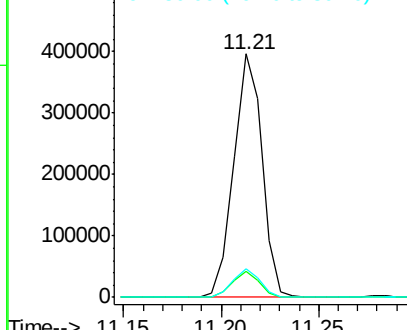
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF094527.D
Acq: 19 Apr 2017 20:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 397844
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 11.6 10.2 15.2

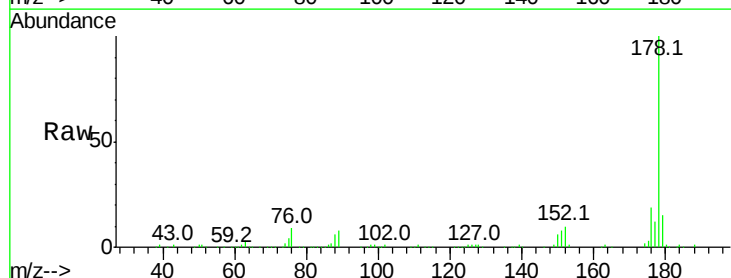


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

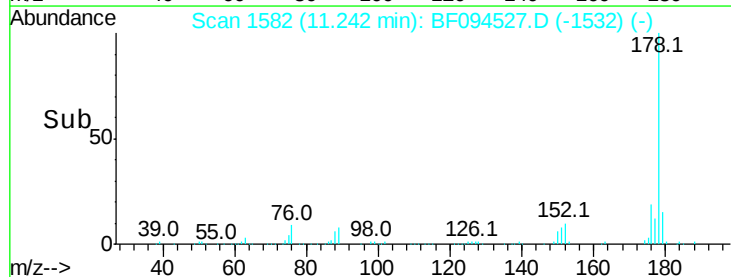
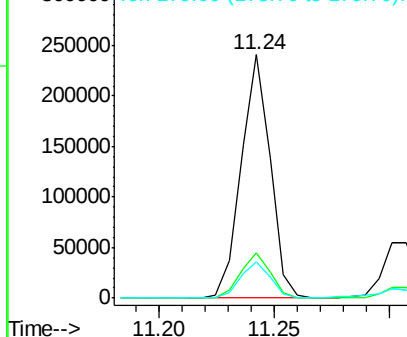


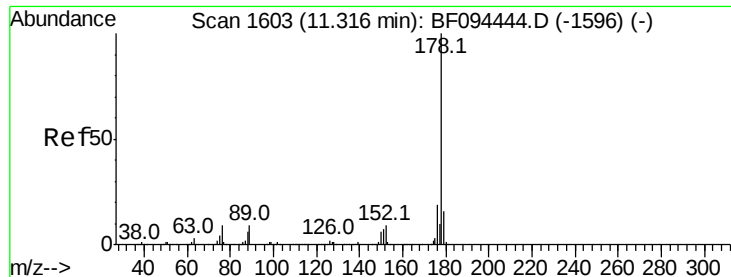
#70
Phenanthrene
Concen: 9.46 ng
RT: 11.24 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF094527.D
Acq: 19 Apr 2017 20:31

Tgt Ion:178 Resp: 211927
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.4
179 15.1 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: 2.44 ng

RT: 11.31 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF094527.D

Acq: 19 Apr 2017 20:31

Instrument :

BNA_F

ClientSampleId :

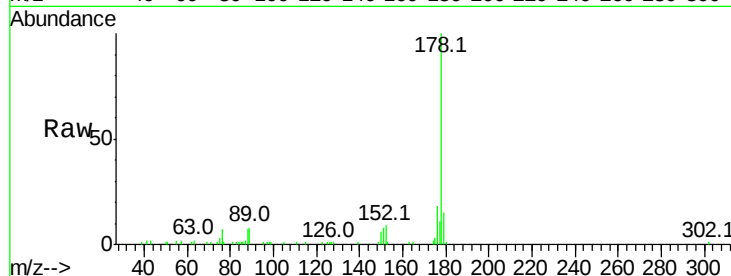
Tot Ion:178 Resp: 56609

Ion Ratio Lower Upper

178 100

176 18.3 15.8 23.8

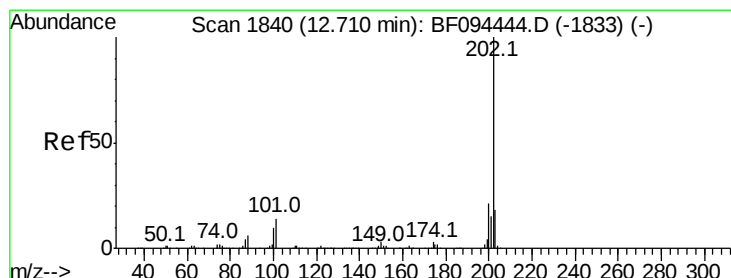
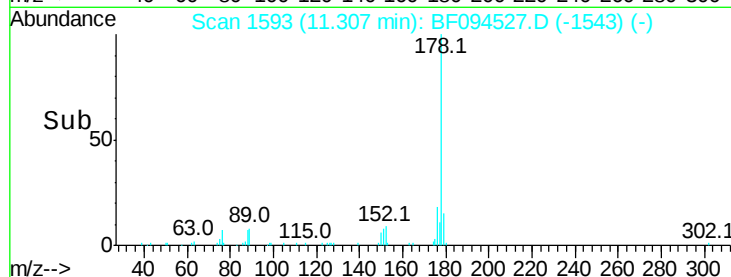
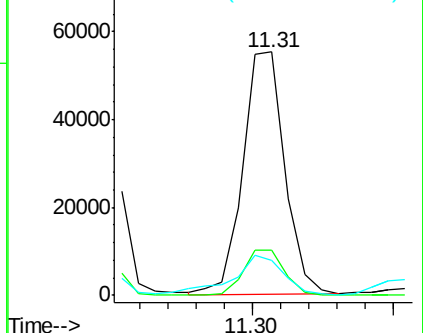
179 14.6 12.7 19.1



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: 10.17 ng

RT: 12.70 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF094527.D

Acq: 19 Apr 2017 20:31

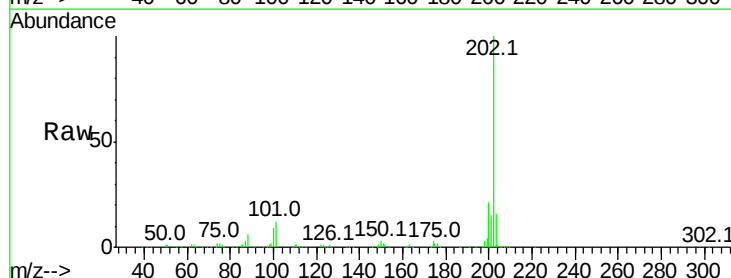
Tgt Ion:202 Resp: 236081

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

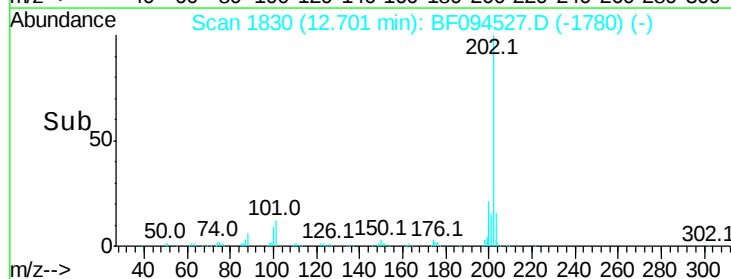
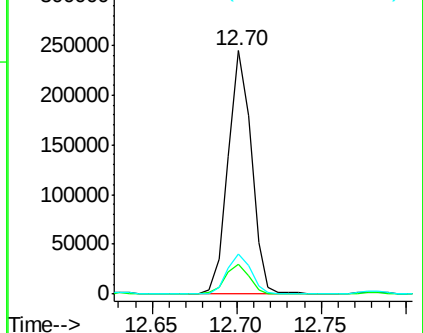
203 16.3 0.0 38.1

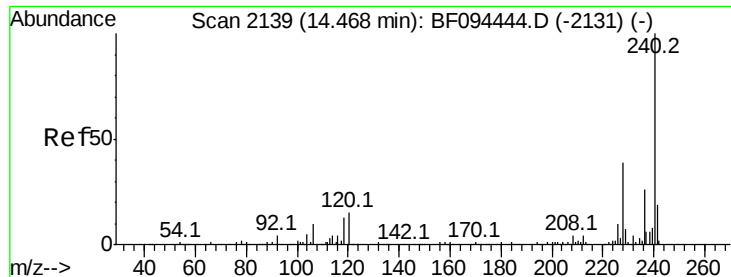


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF094527.D

Acq: 19 Apr 2017 20:31

Instrument :

BNA_F

ClientSampleId :

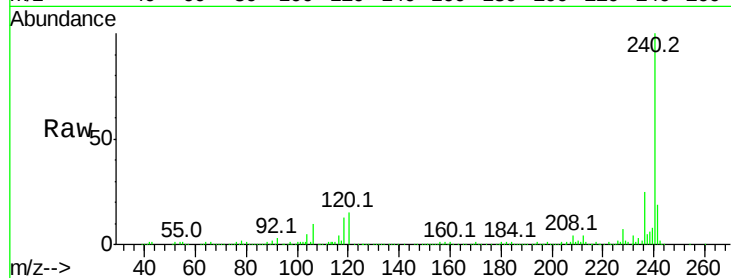
Tot Ion:240 Resp: 301307

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

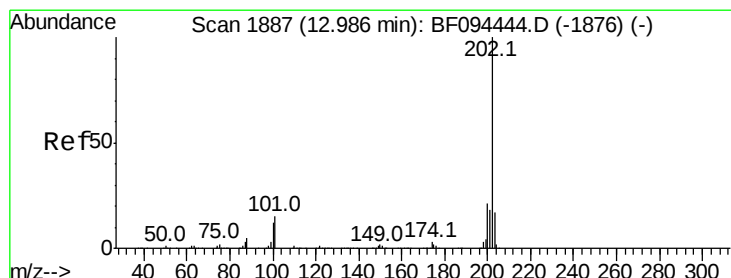
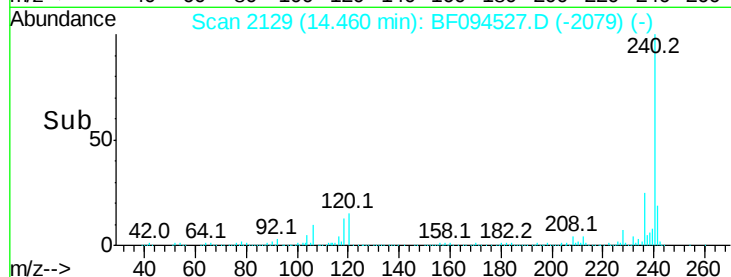
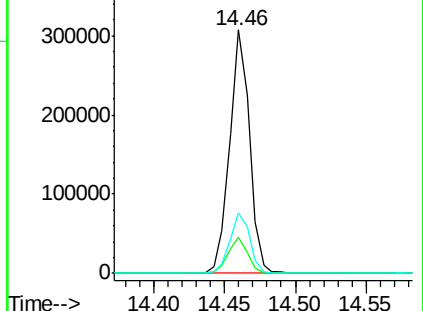
236 25.1 20.5 30.7



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: 10.11 ng

RT: 12.98 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BF094527.D

Acq: 19 Apr 2017 20:31

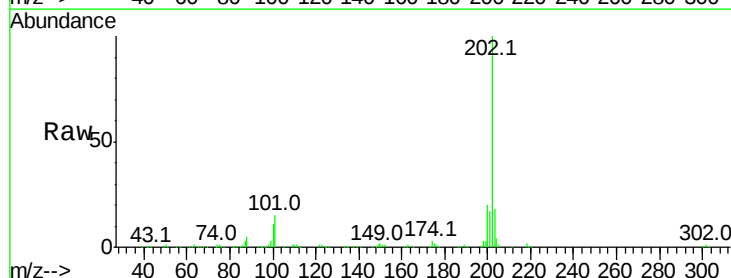
Tgt Ion:202 Resp: 212851

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

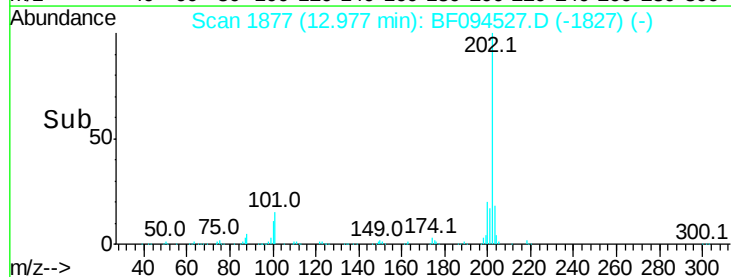
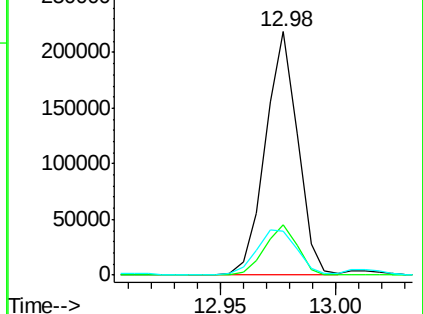
203 18.3 14.4 21.6

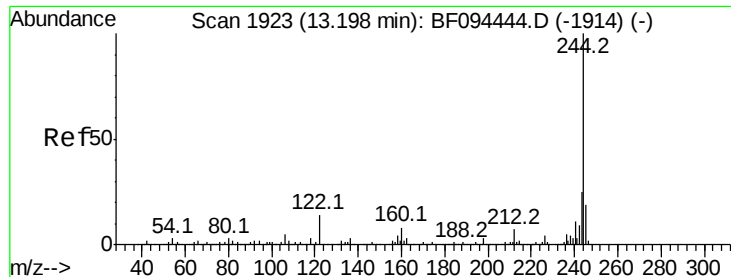


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

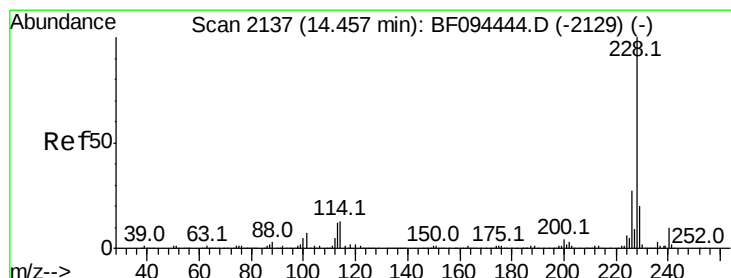
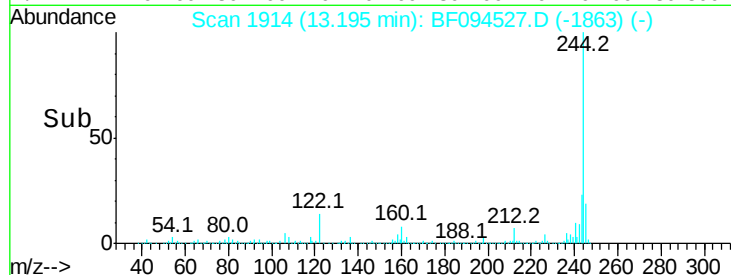
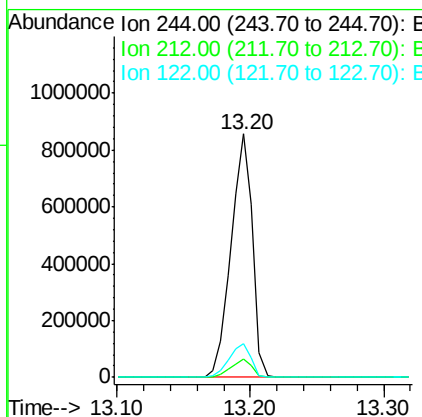
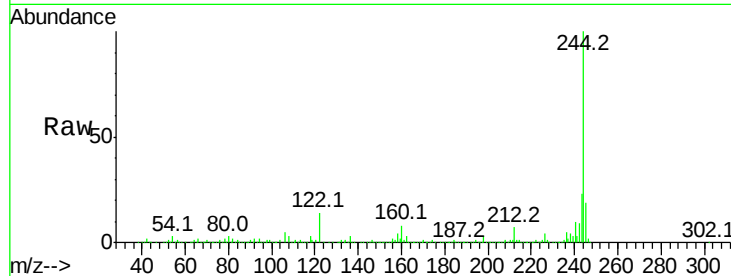




#78
 Terphenyl-d14
 Concen: 85.38 ng
 RT: 13.20 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: BF094527.D
 Acq: 19 Apr 2017 20:31

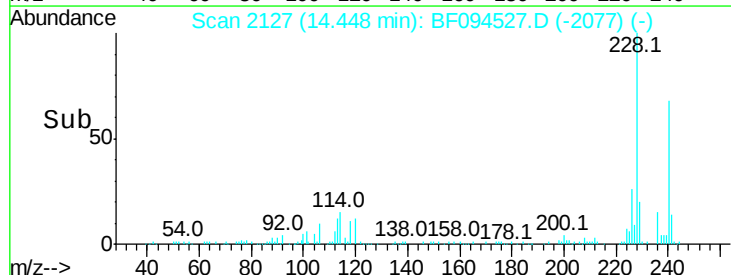
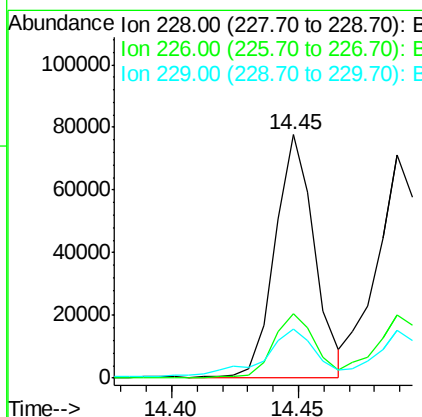
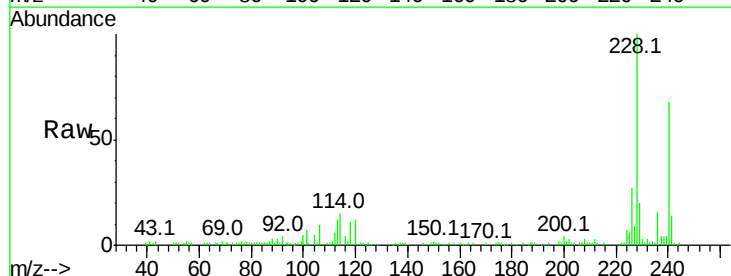
Instrument :
 BNA_F
 ClientSampleId :

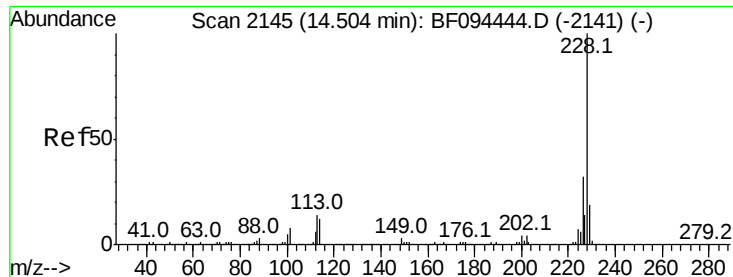
Tot Ion:244 Resp: 962441
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 13.9 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 4.79 ng
 RT: 14.45 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BF094527.D
 Acq: 19 Apr 2017 20:31

Tgt Ion:228 Resp: 83890
 Ion Ratio Lower Upper
 228 100
 226 26.7 22.6 33.8
 229 20.4 16.3 24.5

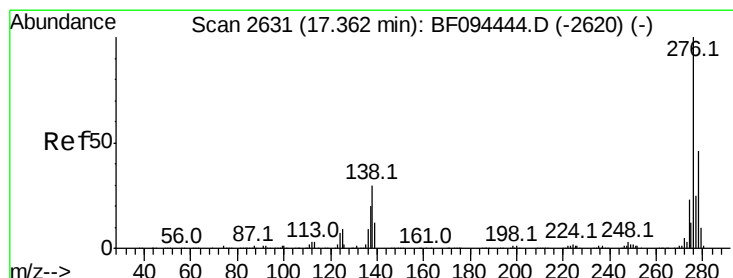
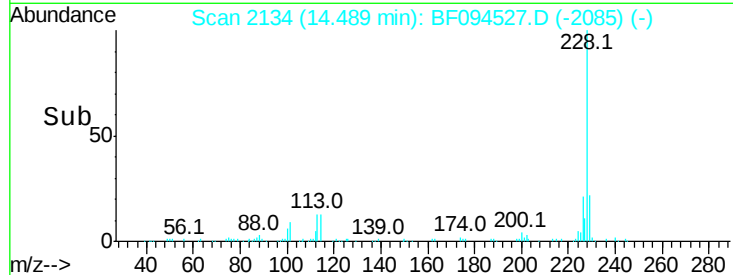
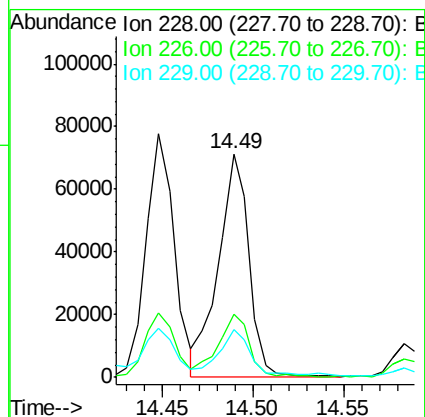
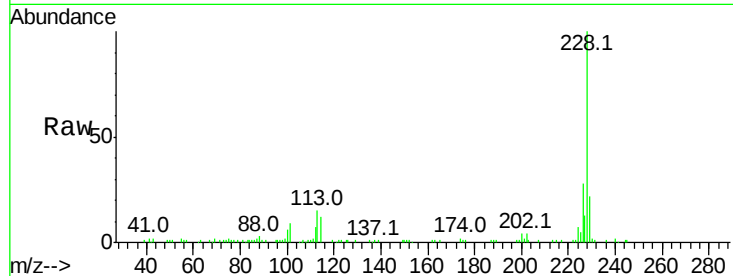




#82
Chrysene
Concen: 5.27 ng
RT: 14.49 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BF094527.D
Acq: 19 Apr 2017 20:31

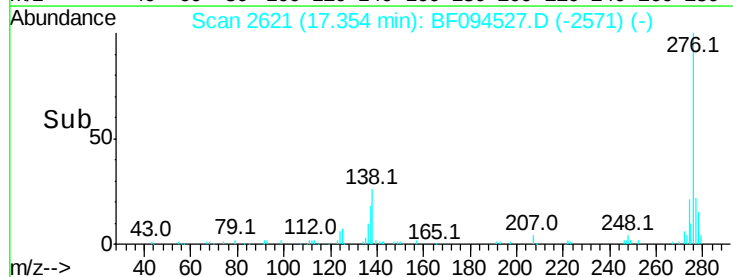
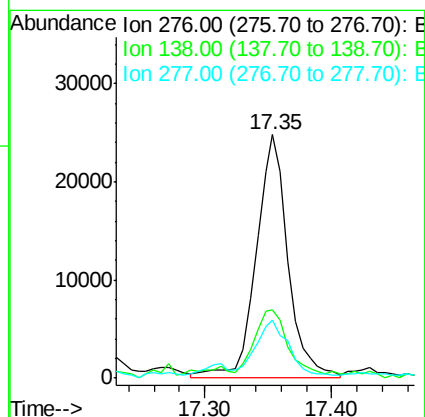
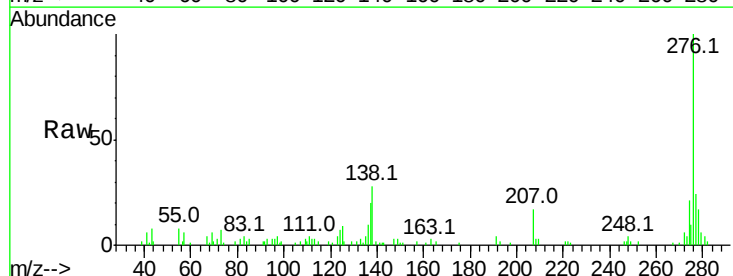
Instrument :
BNA_F
ClientSampleId :

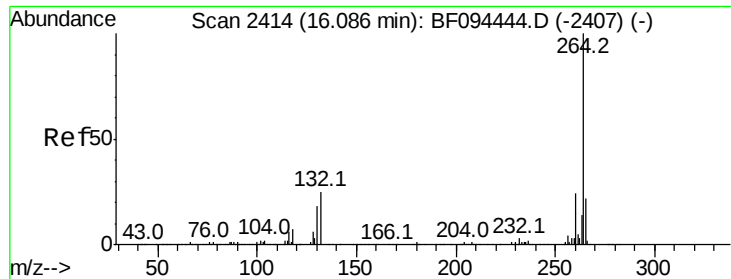
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	24.9	37.3
229	21.6	15.8	23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.86 ng
RT: 17.35 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF094527.D
Acq: 19 Apr 2017 20:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.6	27.8	41.6
277	22.4	20.2	30.4

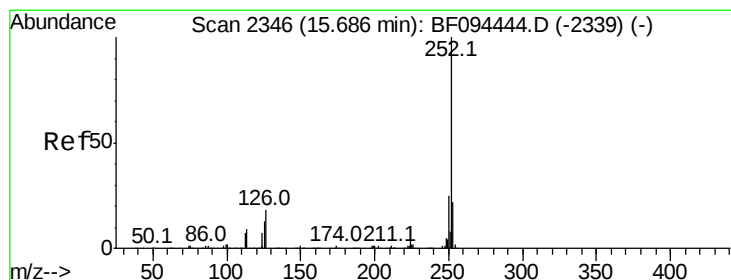
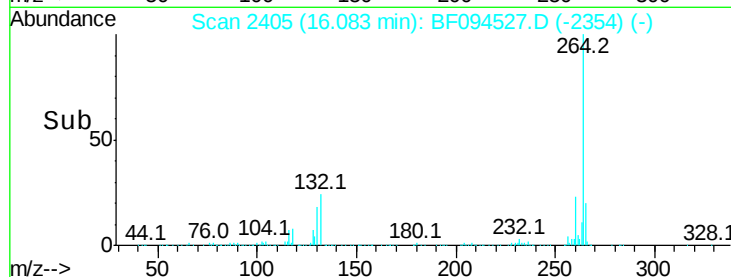
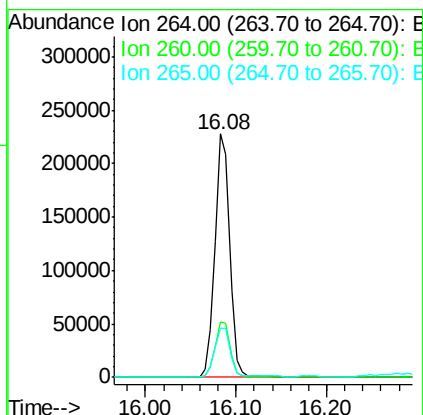
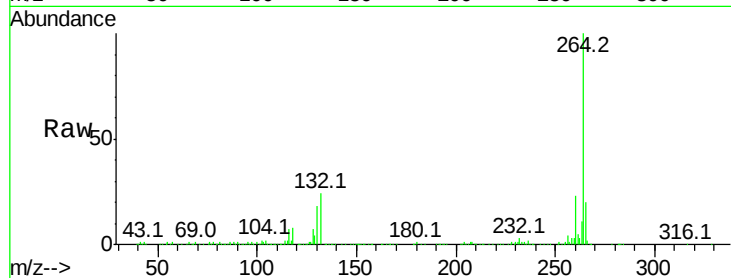




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2405
Delta R.T. -0.00 min
Lab File: BF094527.D
Acq: 19 Apr 2017 20:31

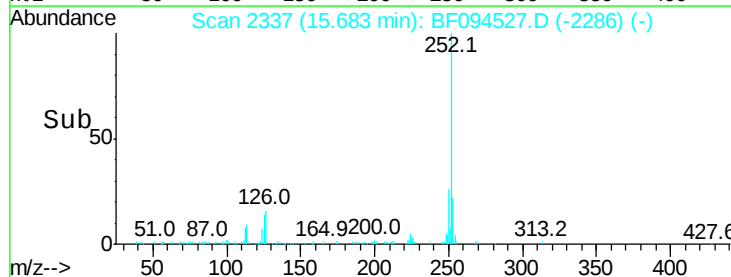
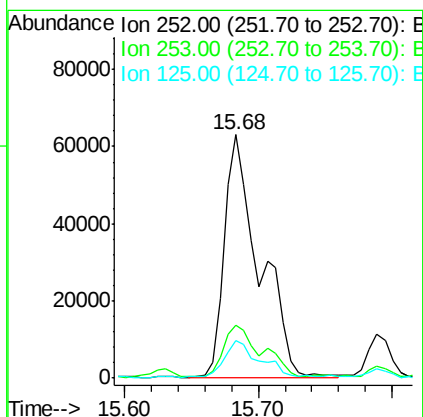
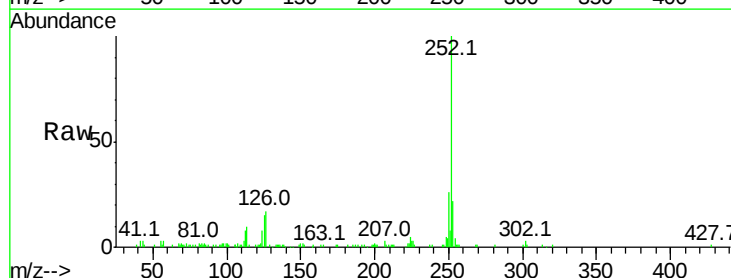
Instrument :
BNA_F
ClientSampleId :

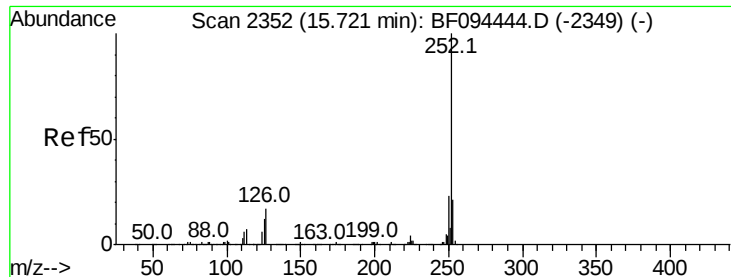
Tot Ion:264 Resp: 259205
Ion Ratio Lower Upper
264 100
260 22.7 19.5 29.3
265 20.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 7.39 ng
RT: 15.68 min Scan# 2337
Delta R.T. -0.00 min
Lab File: BF094527.D
Acq: 19 Apr 2017 20:31

Tgt Ion:252 Resp: 117180
Ion Ratio Lower Upper
252 100
253 21.8 18.1 27.1
125 15.2 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 7.81 ng

RT: 15.68 min Scan# 2337

Delta R.T. -0.04 min

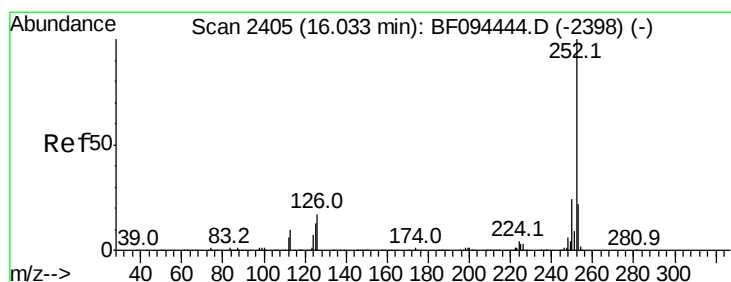
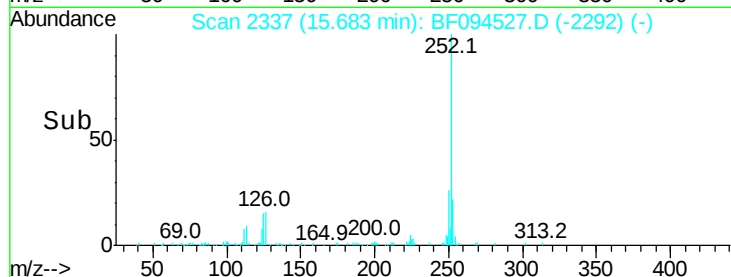
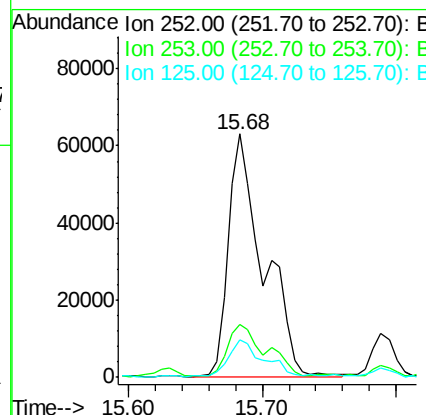
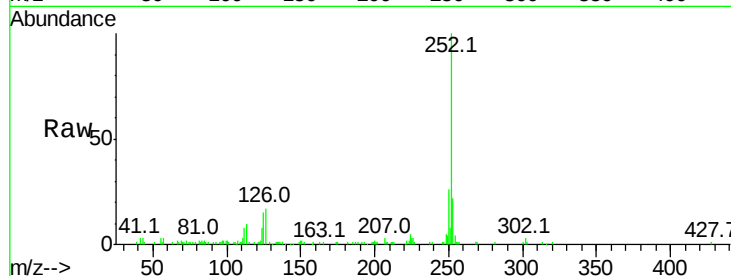
Lab File: BF094527.D

Acq: 19 Apr 2017 20:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 117180

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.4	27.6
125	15.2	13.1	19.7



#89

Benzo(a)pyrene

Concen: 4.41 ng

RT: 16.02 min Scan# 2395

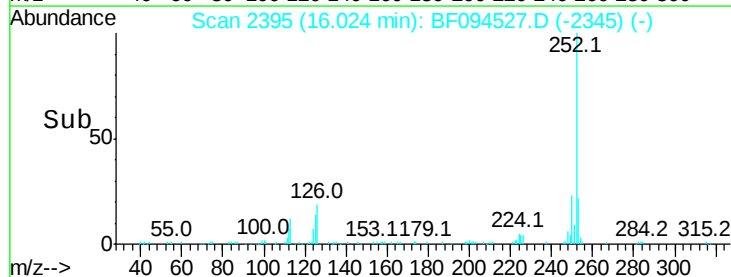
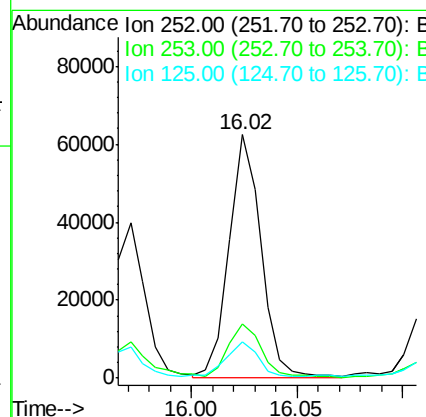
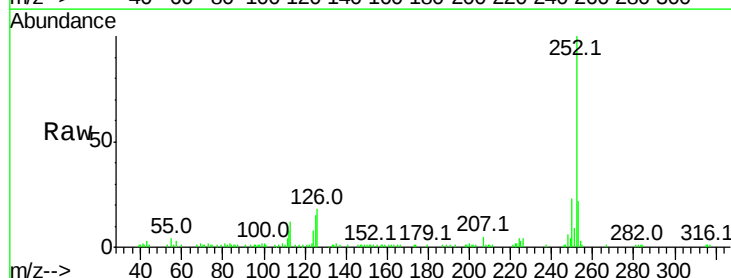
Delta R.T. -0.01 min

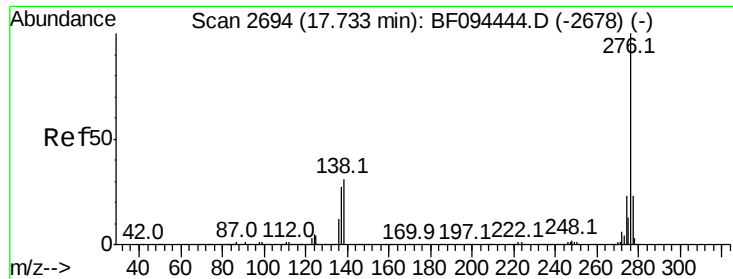
Lab File: BF094527.D

Acq: 19 Apr 2017 20:31

Tgt Ion:252 Resp: 65052

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	15.1	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 3.17 ng

RT: 17.72 min Scan# 2684

Delta R.T. -0.01 min

Lab File: BF094527.D

Acq: 19 Apr 2017 20:31

Instrument :

BNA_F

ClientSampleId :

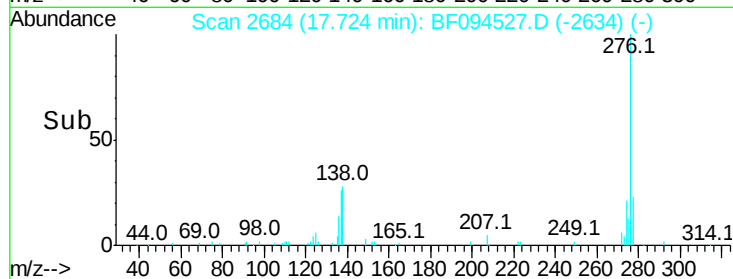
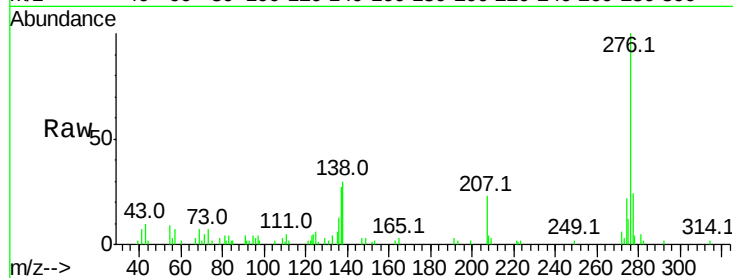
Tot Ion:276 Resp: 39480

Ion Ratio Lower Upper

276 100

277 23.5 18.6 28.0

138 29.9 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

