

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042417\
 Data File : BF094579.D
 Acq On : 24 Apr 2017 12:26
 Operator : SJ/MA
 Sample : I2790-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFFS-156-VNJ213-155-160-34

Quant Time: Apr 25 01:03:13 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

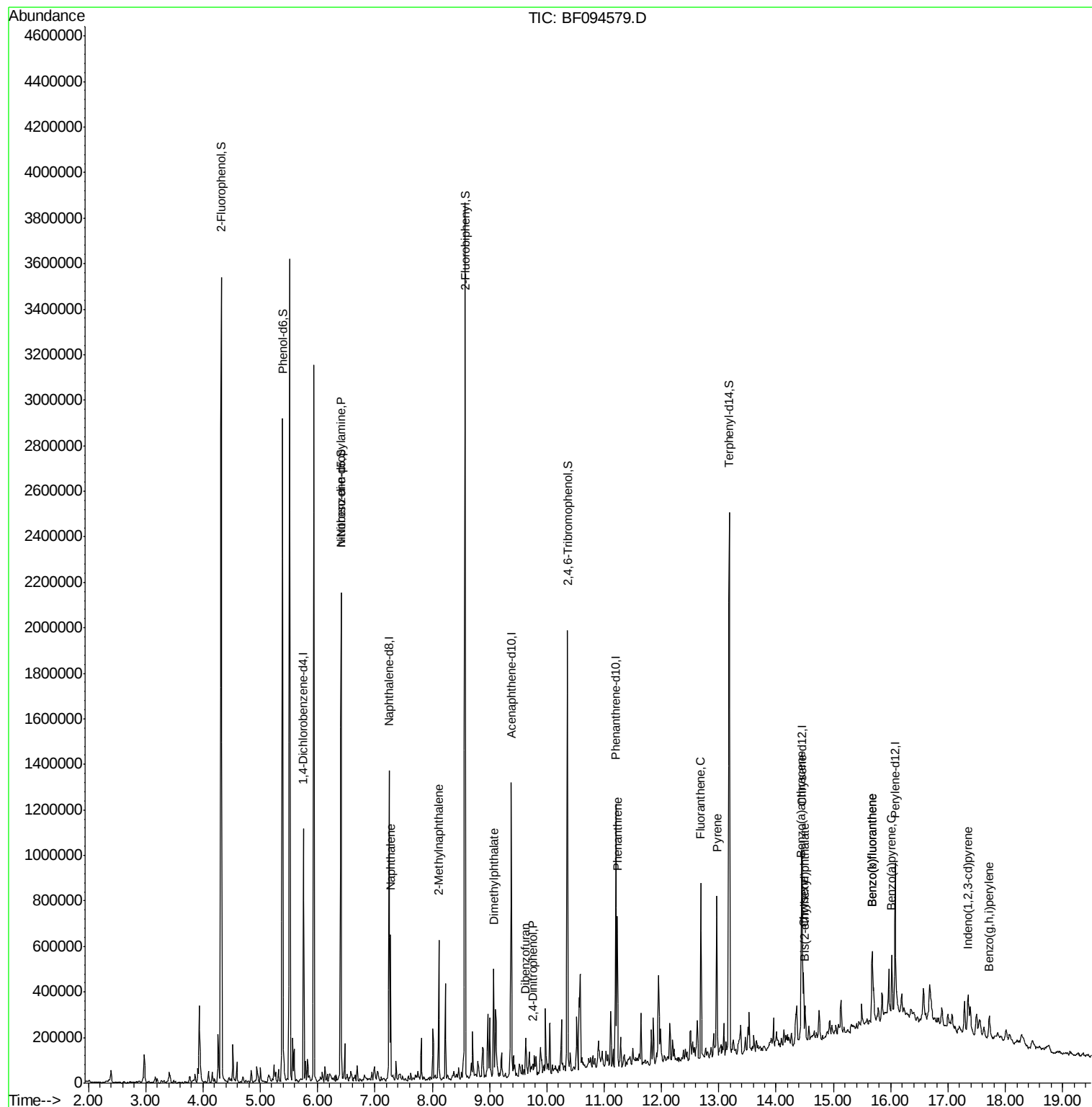
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	170154	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	648388	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	273209	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	458195	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	304020	20.00	ng	-0.01
86) Perylene-d12	16.08	264	273296	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	1136615	110.82	ng	0.02
7) Phenol-d6	5.39	99	1416813	117.18	ng	0.00
23) Nitrobenzene-d5	6.41	82	871545	83.00	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	249520	116.76	ng	-0.01
44) 2-Fluorobiphenyl	8.57	172	1403001	75.56	ng	-0.01
78) Terphenyl-d14	13.18	244	946713	83.23	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.41	70	113804	14.21	ng	# 77
31) Naphthalene	7.27	128	189666	6.08	ng	99
37) 2-Methylnaphthalene	8.11	142	171361	8.04	ng	98
49) Dimethylphthalate	9.07	163	195457	9.60	ng	98
53) 2,4-Dinitrophenol	9.74	184	589	5.98	ng	# 4
54) Dibenzofuran	9.63	168	53613	2.23	ng	97
70) Phenanthrene	11.23	178	271422	10.52	ng	98
74) Fluoranthene	12.69	202	331937	12.41	ng	99
77) Pyrene	12.97	202	303499	14.29	ng	97
80) Benzo(a)anthracene	14.44	228	132363	7.49	ng	96
82) Chrysene	14.48	228	136222	8.44	ng	96
83) Bis(2-ethylhexyl)phthalate	14.51	149	41905	3.35	ng	98
85) Indeno(1,2,3-cd)pyrene	17.35	276	76665	4.99	ng	97
87) Benzo(b)fluoranthene	15.68	252	216665	12.96	ng	98
88) Benzo(k)fluoranthene	15.68	252	216665	13.69	ng	98
89) Benzo(a)pyrene	16.02	252	113463	7.29	ng	# 95
91) Benzo(a,h,i)perylene	17.72	276	73858	5.62	ng	97

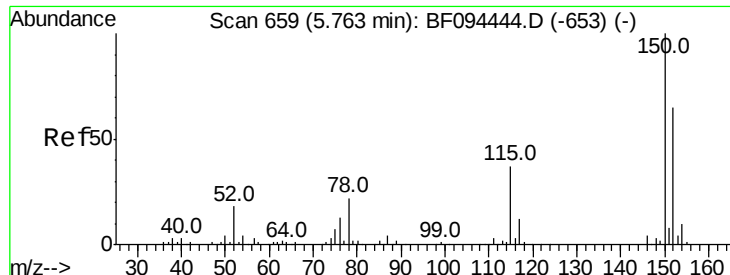
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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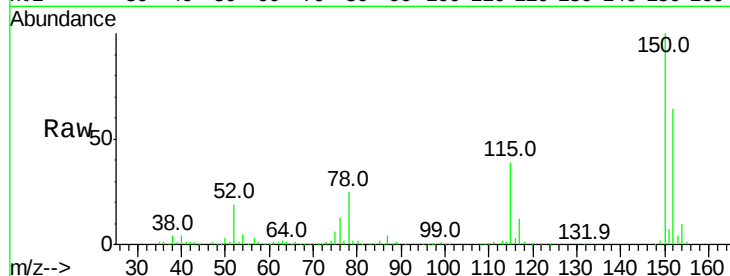


#1

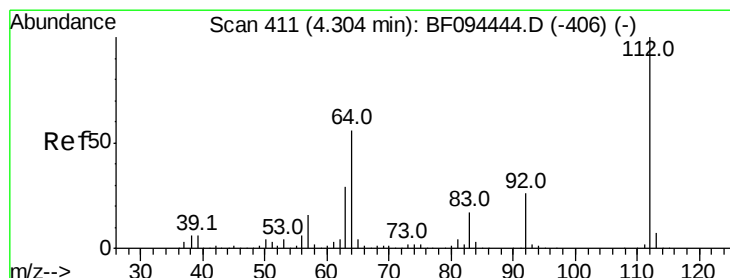
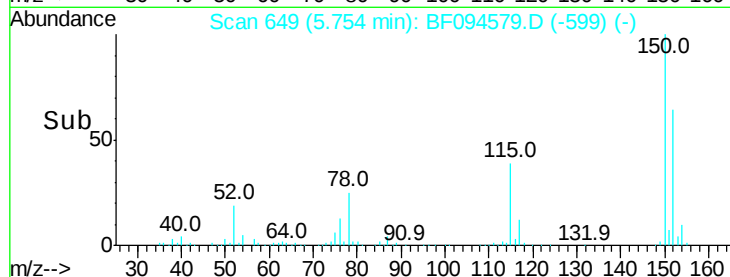
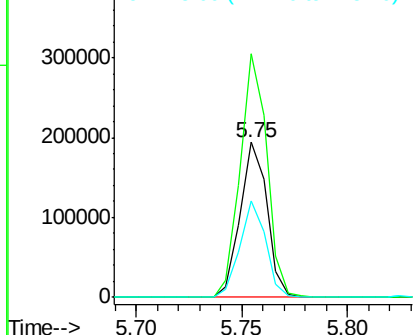
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

Instrument :
BNA_F
ClientSampleId :
ROLLOFFS-156-VNJ213-155-160-34

Tot Ion:152 Resp: 170154
Ion Ratio Lower Upper
152 100
150 157.1 126.2 189.2
115 61.8 52.2 78.2



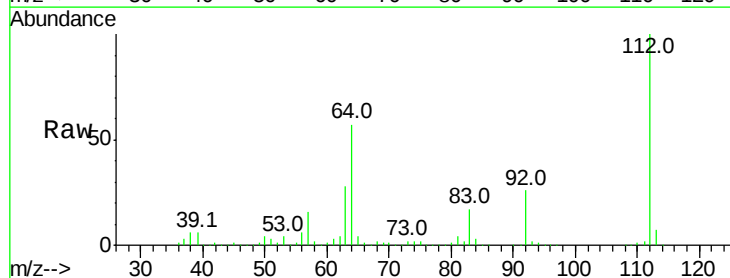
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



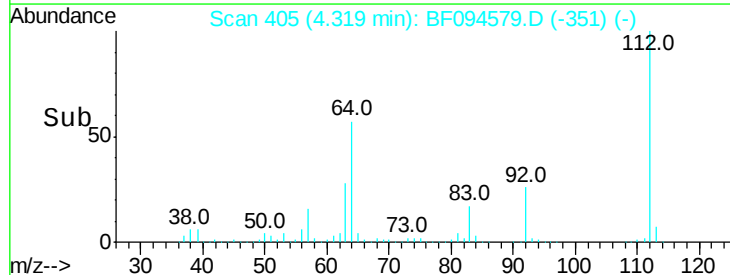
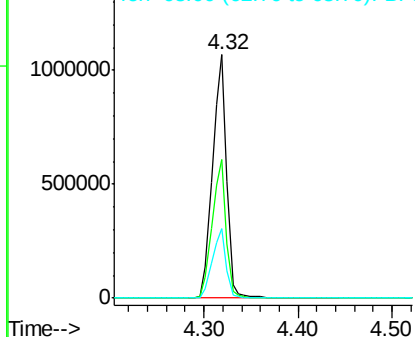
#5

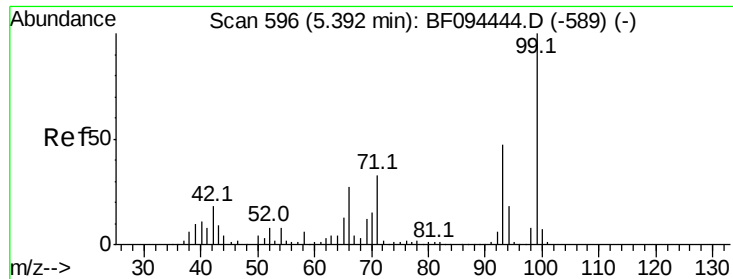
2-Fluorophenol
Concen: 110.82 ng
RT: 4.32 min Scan# 405
Delta R.T. 0.02 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

Tgt Ion:112 Resp: 1136615
Ion Ratio Lower Upper
112 100
64 56.8 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: 117.18 ng

RT: 5.39 min Scan# 587

Delta R.T. -0.00 min

Lab File: BF094579.D

Acq: 24 Apr 2017 12:26

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-156-VNJ213-155-160-34

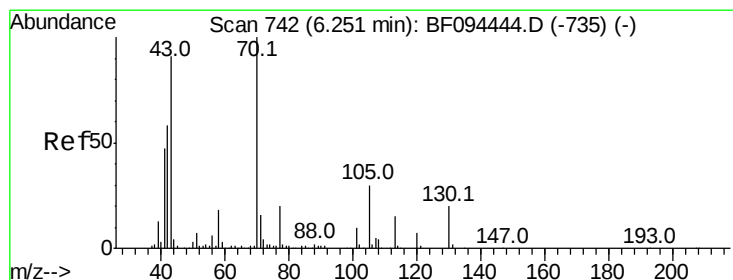
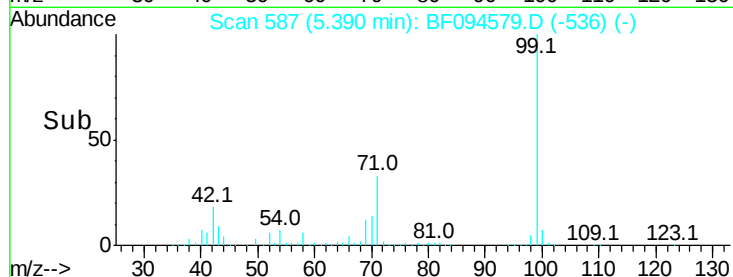
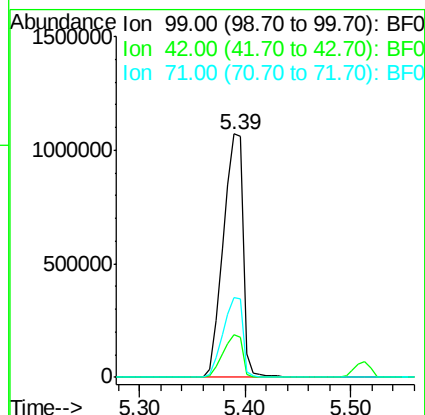
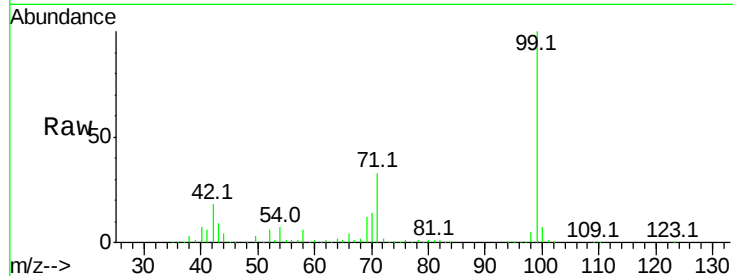
Tot Ion: 99 Resp: 1416813

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

71 32.7 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.21 ng

RT: 6.41 min Scan# 760

Delta R.T. 0.16 min

Lab File: BF094579.D

Acq: 24 Apr 2017 12:26

Tgt Ion: 70 Resp: 113804

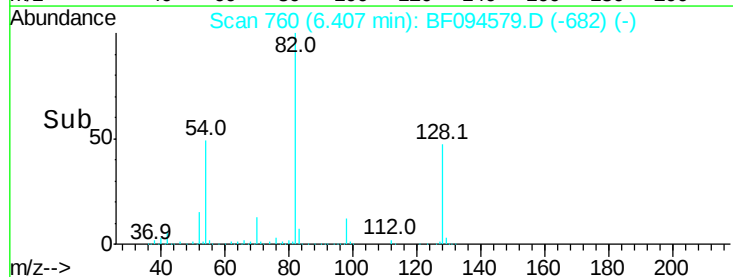
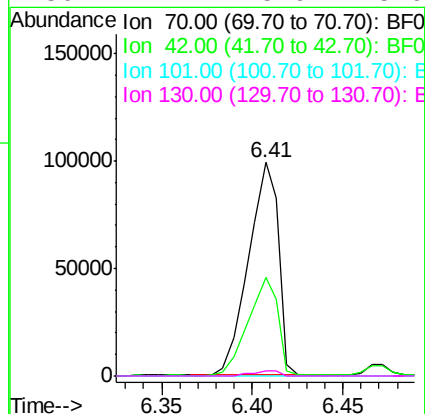
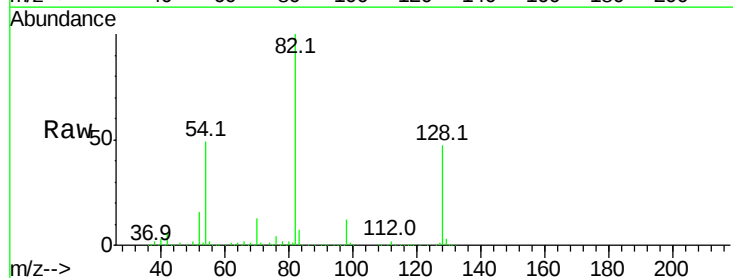
Ion Ratio Lower Upper

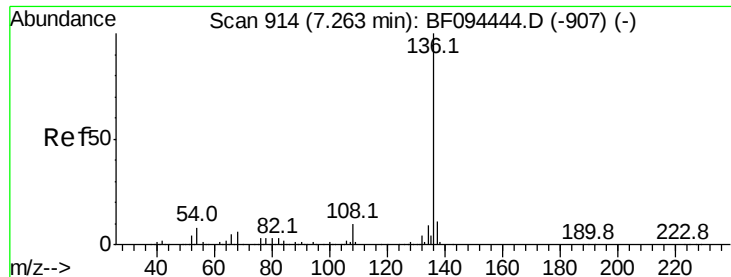
70 100

42 46.3 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF094579.D

Acq: 24 Apr 2017 12:26

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-156-VNJ213-155-160-34

Tot Ion:136 Resp: 648388

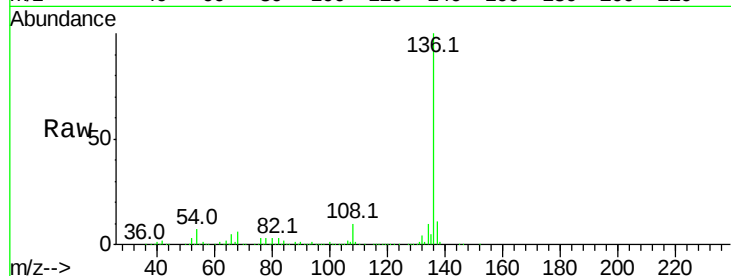
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.1 4.9 7.3

68 5.6 4.1 6.1

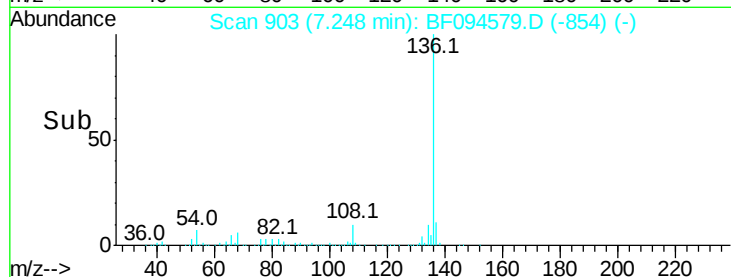


Abundance Ion 136.00 (135.70 to 136.70): E

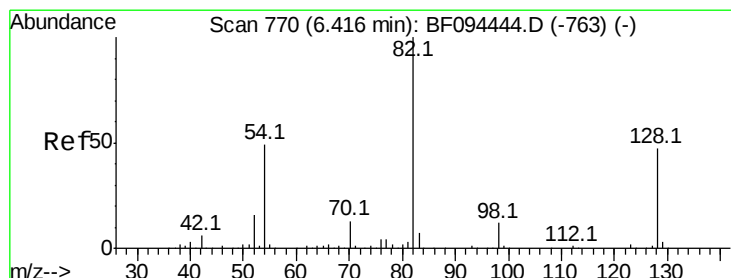
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 83.00 ng

RT: 6.41 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF094579.D

Acq: 24 Apr 2017 12:26

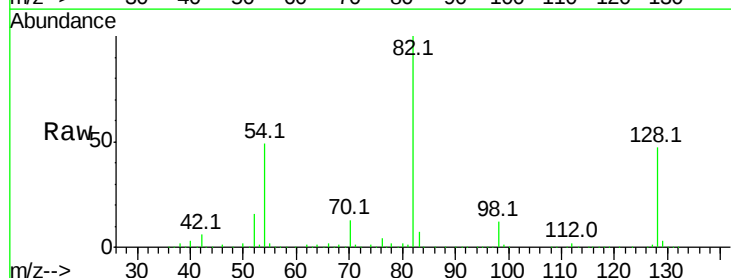
Tgt Ion: 82 Resp: 871545

Ion Ratio Lower Upper

82 100

128 46.7 34.0 51.0

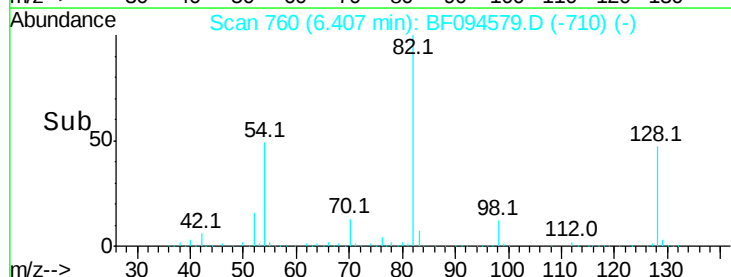
54 49.3 42.2 63.2



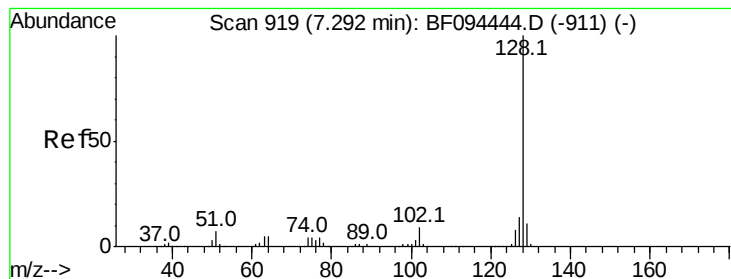
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#31

Naphthalene

Concen: 6.08 ng

RT: 7.27 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF094579.D

Acq: 24 Apr 2017 12:26

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-156-VNJ213-155-160-34

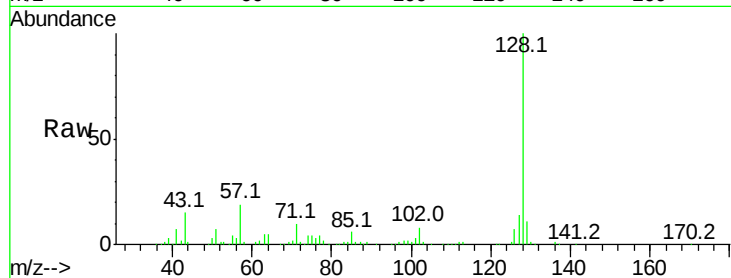
Tot Ion:128 Resp: 189666

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

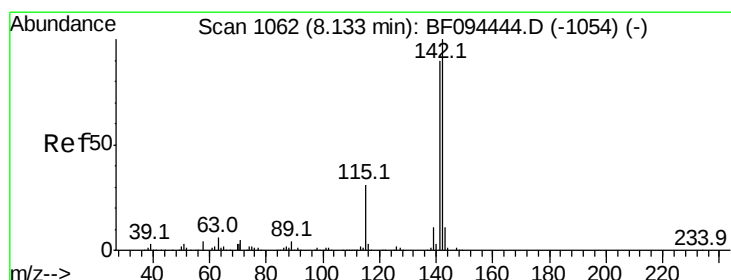
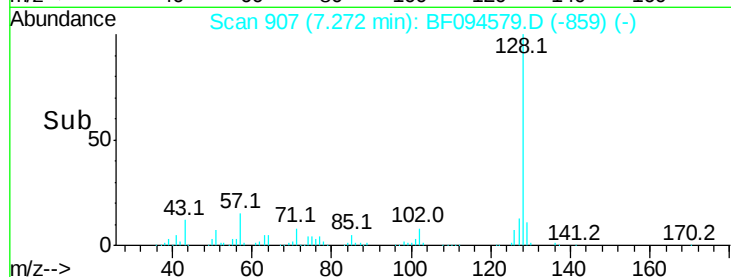
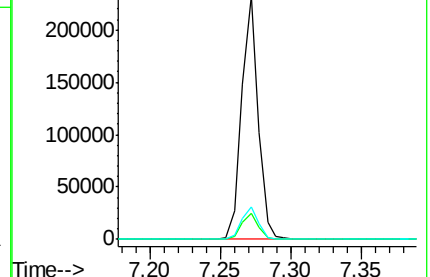
127 13.5 10.8 16.2



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



#37

2-Methylnaphthalene

Concen: 8.04 ng

RT: 8.11 min Scan# 1050

Delta R.T. -0.02 min

Lab File: BF094579.D

Acq: 24 Apr 2017 12:26

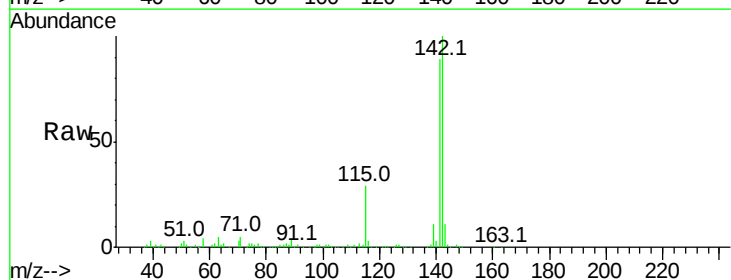
Tgt Ion:142 Resp: 171361

Ion Ratio Lower Upper

142 100

141 89.1 71.3 106.9

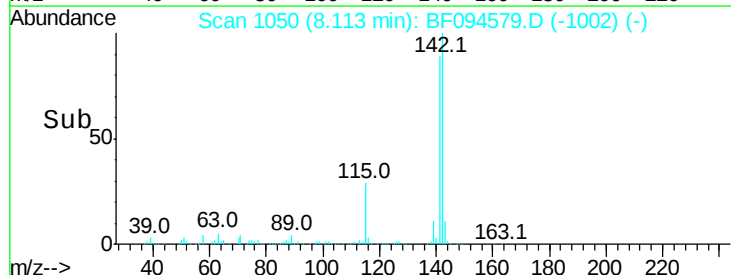
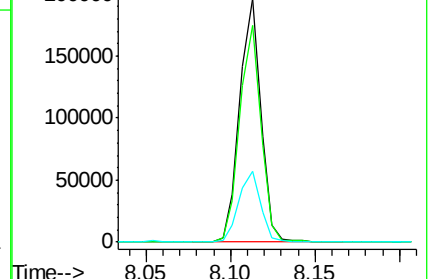
115 29.0 27.1 40.7

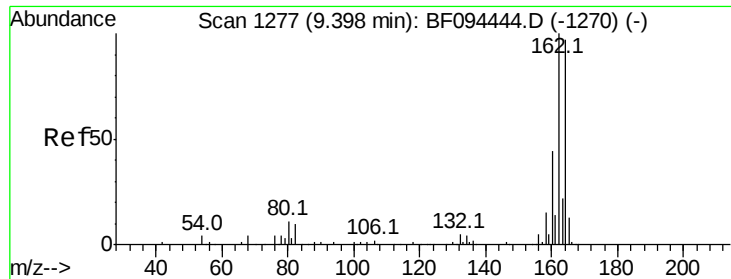


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

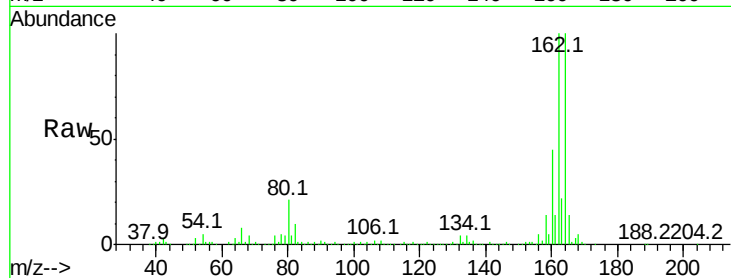




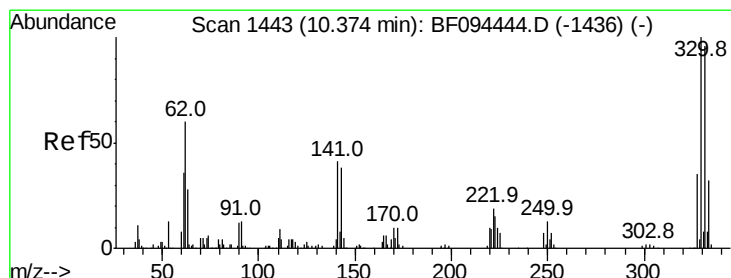
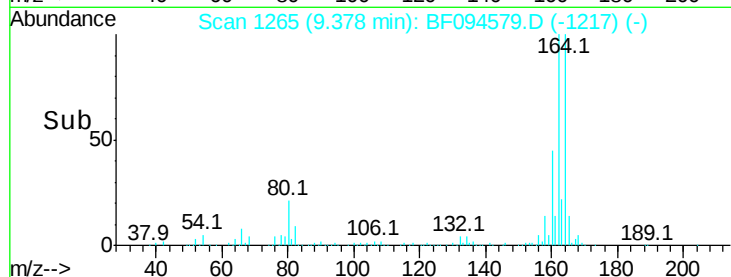
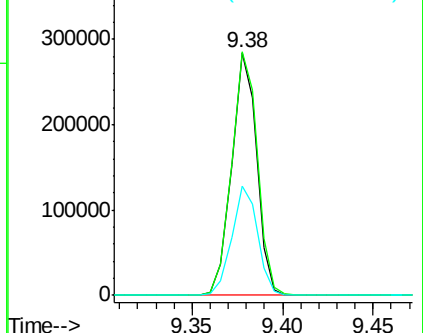
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF094579.D
 Acq: 24 Apr 2017 12:26

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFFS-156-VNJ213-155-160-34

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.4	82.6	123.8
160	45.0	36.2	54.2

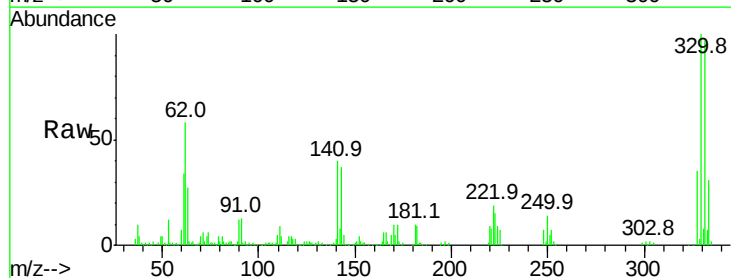


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

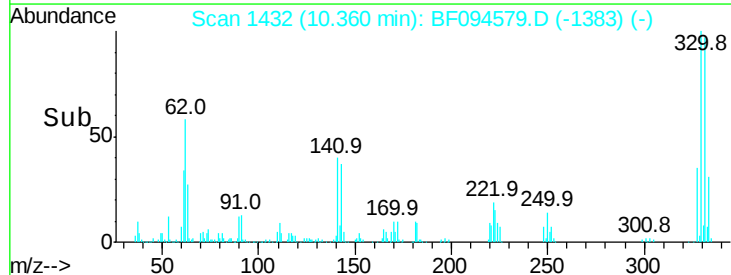
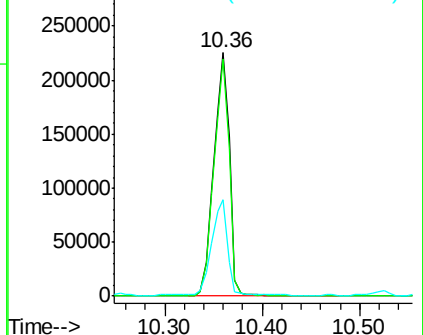


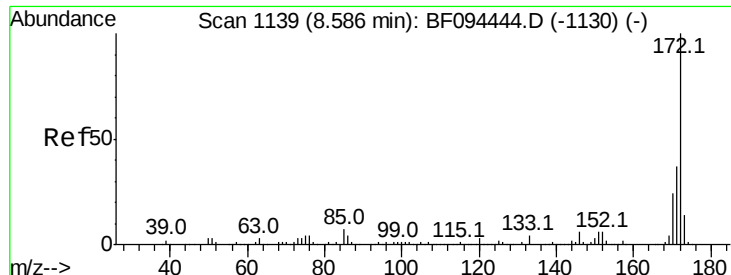
#41
 2,4,6-Tribromophenol
 Concen: 116.76 ng
 RT: 10.36 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF094579.D
 Acq: 24 Apr 2017 12:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	115.0
141	39.7	31.4	47.2



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

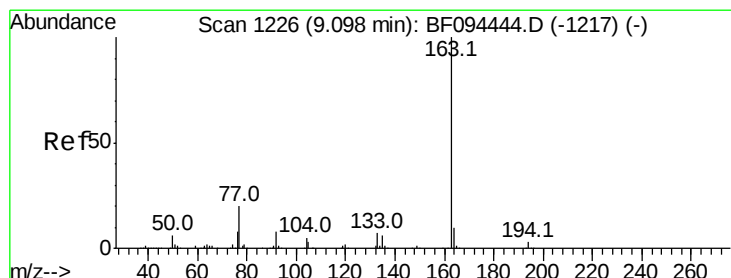
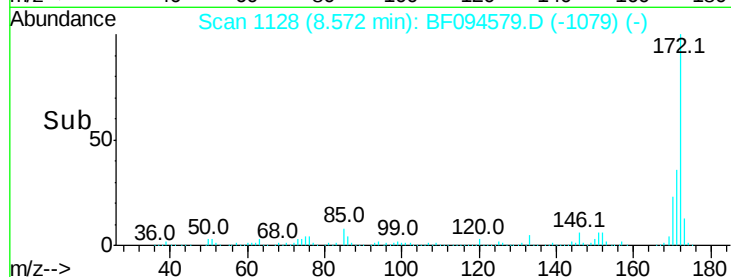
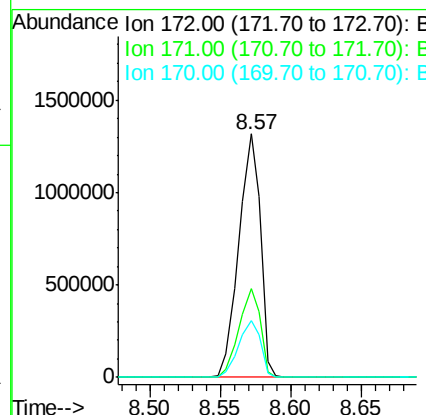
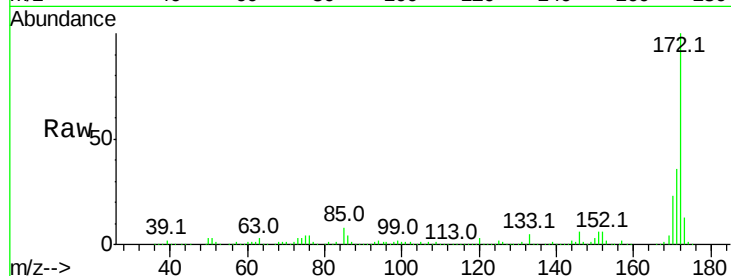




#44
2-Fluorobiphenyl
Concen: 75.56 ng
RT: 8.57 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

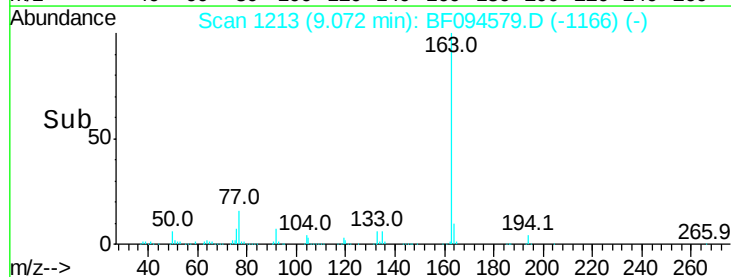
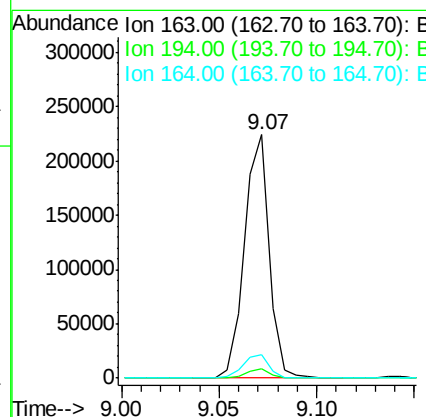
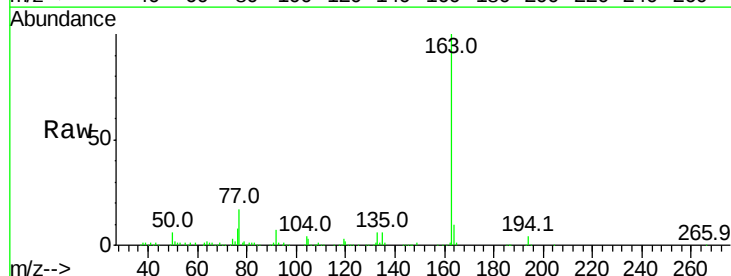
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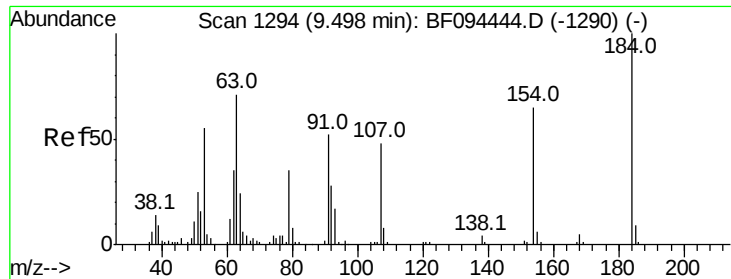
Tot Ion:172 Resp: 1403001
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 23.1 19.8 29.8



#49
Dimethylphthalate
Concen: 9.60 ng
RT: 9.07 min Scan# 1213
Delta R.T. -0.03 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

Tgt Ion:163 Resp: 195457
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 9.9 8.4 12.6

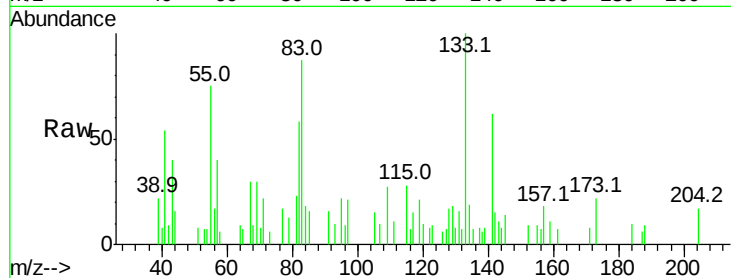




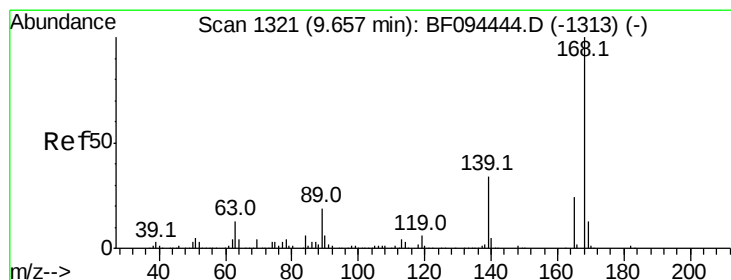
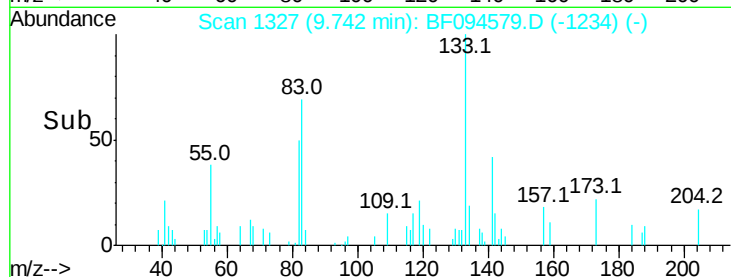
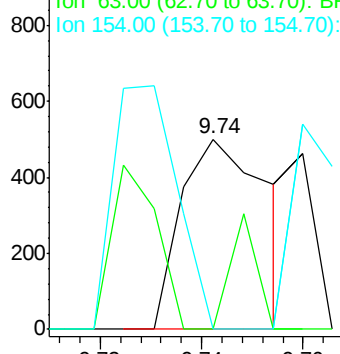
#53
 2,4-Dinitrophenol
 Concen: 5.98 ng
 RT: 9.74 min Scan# 1327
 Delta R.T. 0.24 min
 Lab File: BF094579.D
 Acq: 24 Apr 2017 12:26

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFFS-156-VNJ213-155-160-34

Tot Ion:184 Resp: 589
 Ion Ratio Lower Upper
 184 100
 63 0.0 62.7 94.1#
 154 0.0 81.1 121.7#

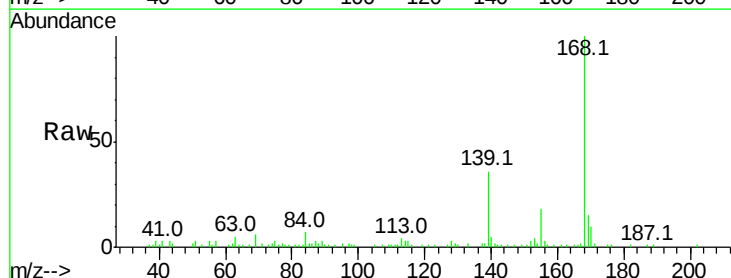


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

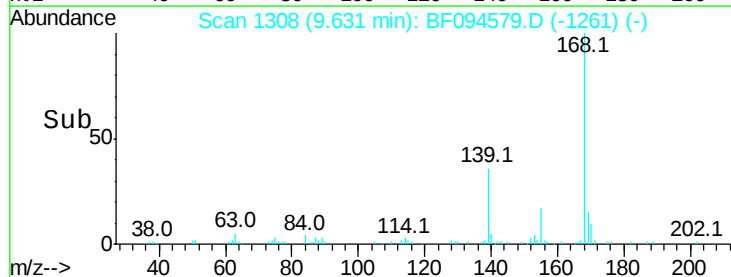
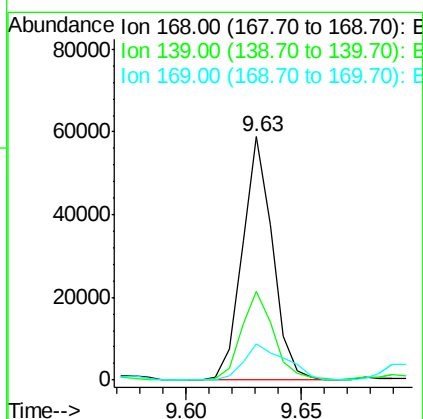


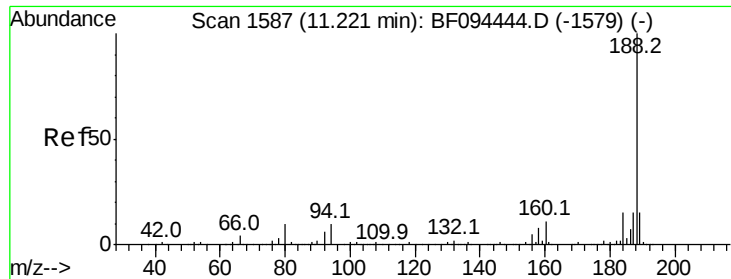
#54
 Dibenzofuran
 Concen: 2.23 ng
 RT: 9.63 min Scan# 1308
 Delta R.T. -0.03 min
 Lab File: BF094579.D
 Acq: 24 Apr 2017 12:26

Tgt Ion:168 Resp: 53613
 Ion Ratio Lower Upper
 168 100
 139 36.4 30.6 45.8
 169 15.0 10.8 16.2



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E

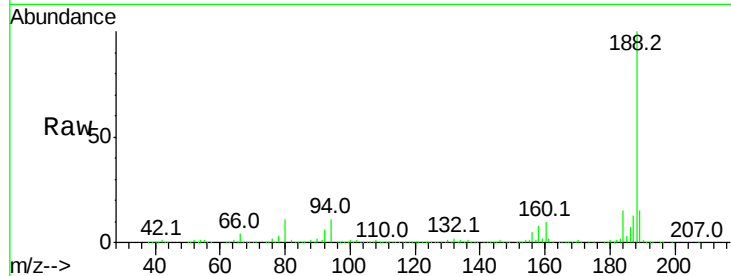




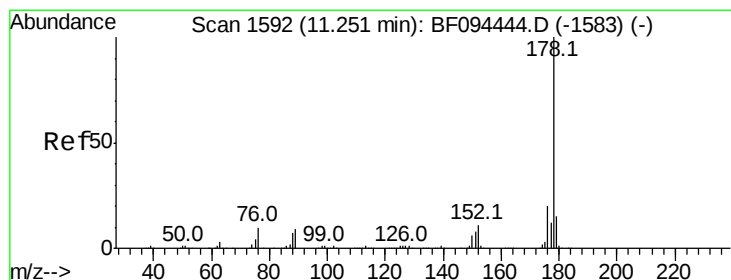
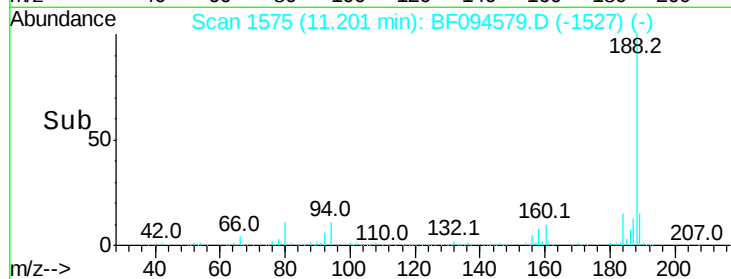
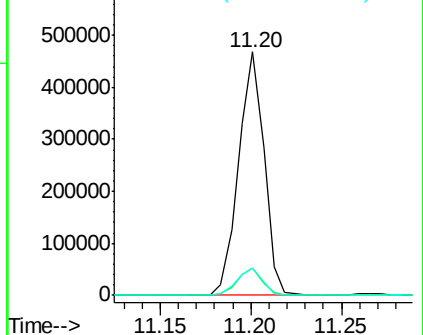
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

Instrument :
BNA_F
ClientSampleId :
ROLLOFFS-156-VNJ213-155-160-34

Tot Ion:188 Resp: 458195
Ion Ratio Lower Upper
188 100
94 11.2 9.4 14.2
80 11.2 10.2 15.2

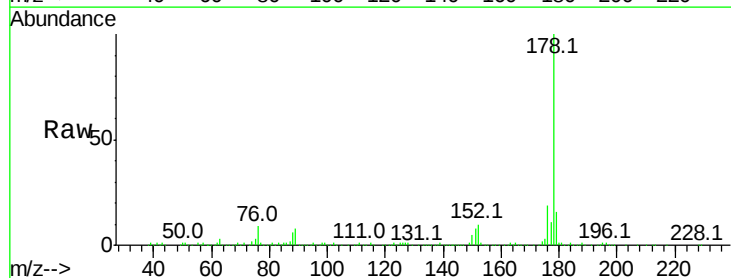


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

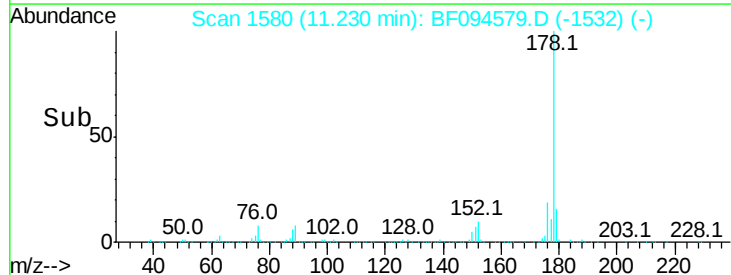
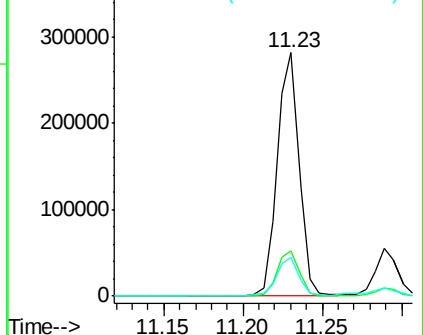


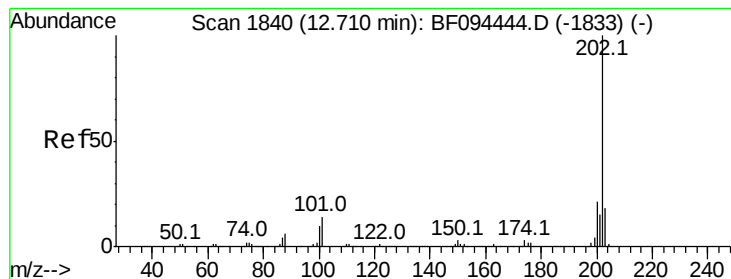
#70
Phenanthrene
Concen: 10.52 ng
RT: 11.23 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

Tgt Ion:178 Resp: 271422
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.4
179 16.0 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: 12.41 ng

RT: 12.69 min Scan# 1828

Delta R.T. -0.02 min

Lab File: BF094579.D

Acq: 24 Apr 2017 12:26

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-156-VNJ213-155-160-34

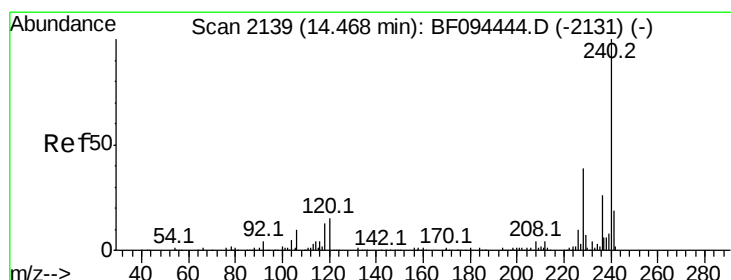
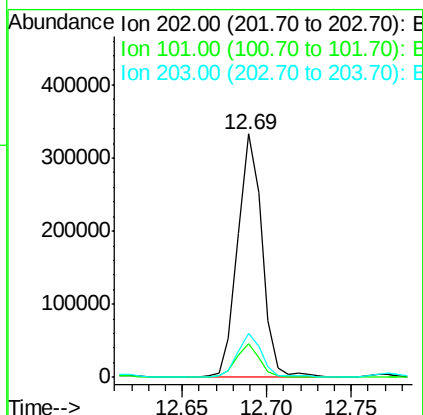
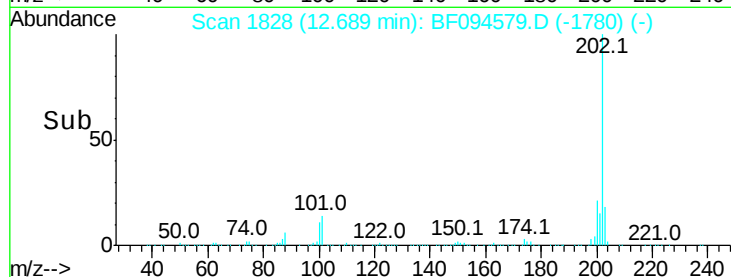
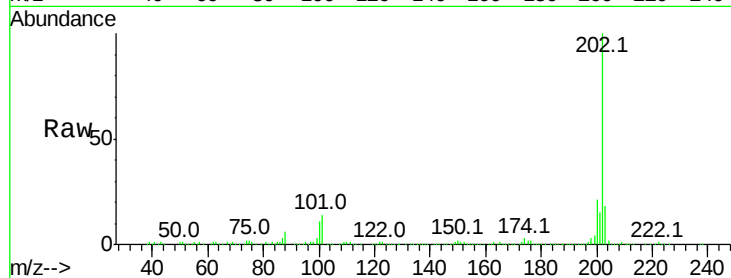
Tot Ion:202 Resp: 331937

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.2

203 18.0 0.0 38.1



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.45 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF094579.D

Acq: 24 Apr 2017 12:26

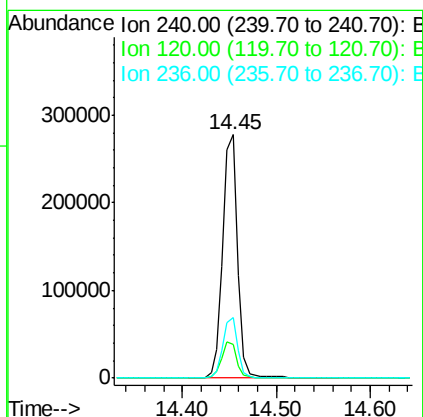
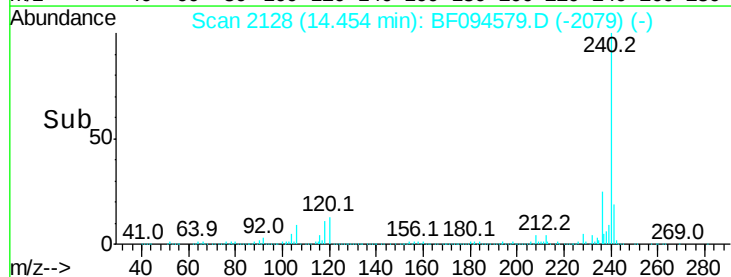
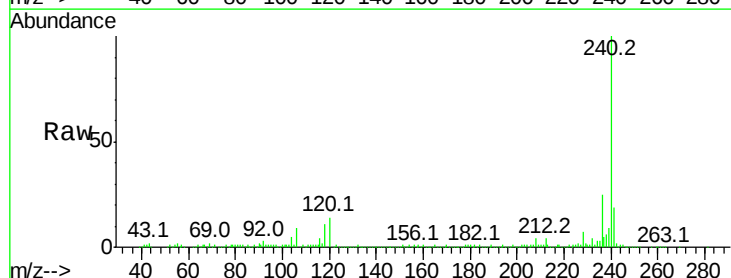
Tgt Ion:240 Resp: 304020

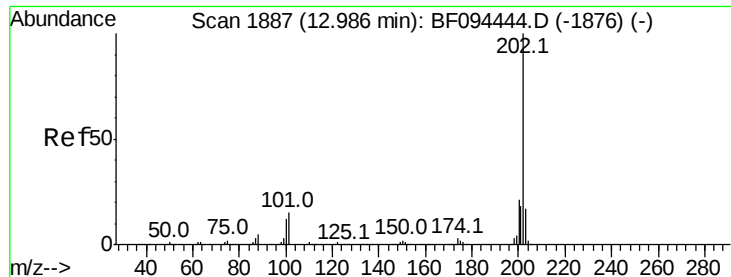
Ion Ratio Lower Upper

240 100

120 13.6 5.8 8.8#

236 24.9 20.5 30.7





#77

Pvrene

Concen: 14.29 ng

RT: 12.97 min Scan# 1875

Delta R.T. -0.02 min

Lab File: BF094579.D

Acq: 24 Apr 2017 12:26

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-156-VNJ213-155-160-34

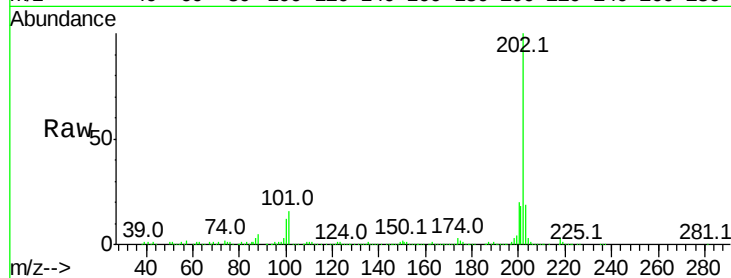
Tot Ion:202 Resp: 303499

Ion Ratio Lower Upper

202 100

200 20.1 17.6 26.4

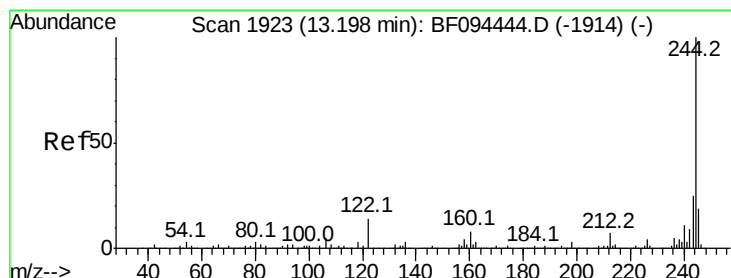
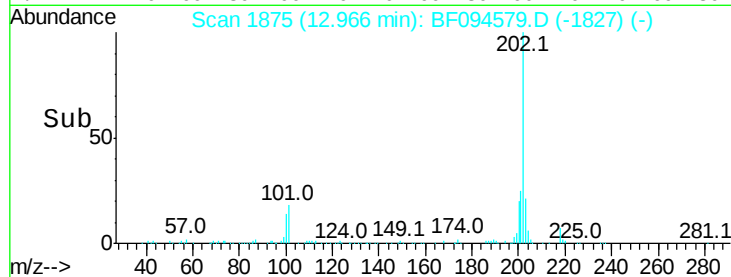
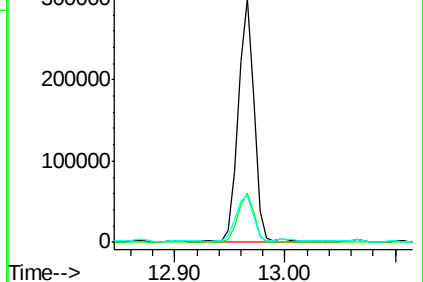
203 18.9 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 83.23 ng

RT: 13.18 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BF094579.D

Acq: 24 Apr 2017 12:26

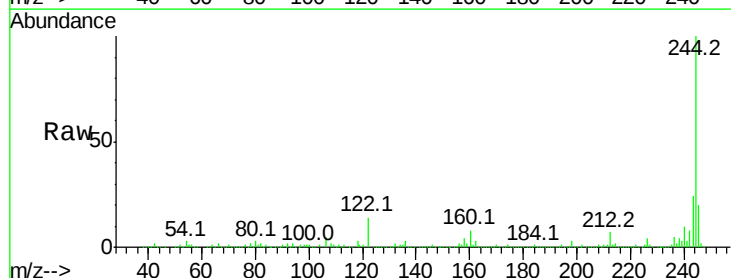
Tgt Ion:244 Resp: 946713

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

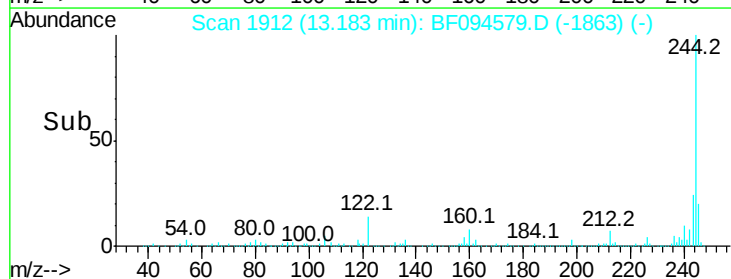
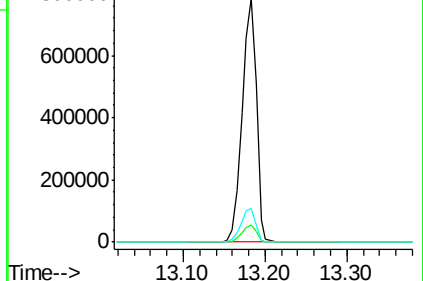
122 13.7 10.3 15.5

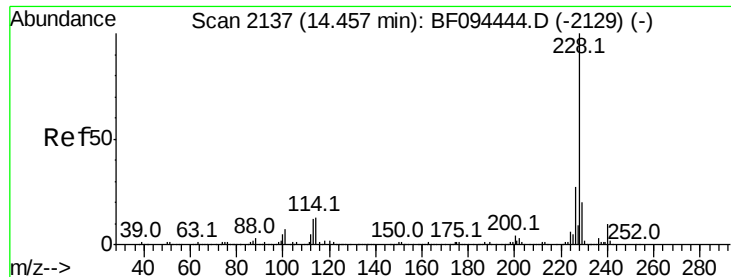


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.49 ng

RT: 14.44 min Scan# 2125

Delta R.T. -0.02 min

Lab File: BF094579.D

Acq: 24 Apr 2017 12:26

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-156-VNJ213-155-160-34

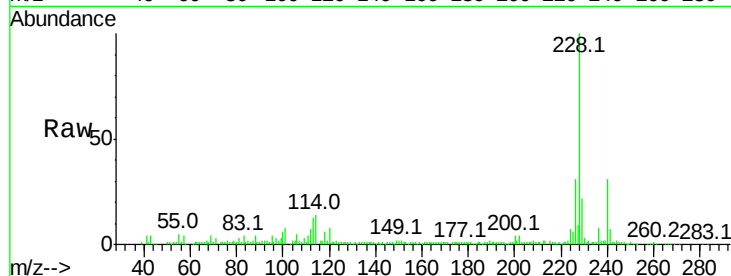
Tot Ion:228 Resp: 132363

Ion Ratio Lower Upper

228 100

226 30.6 22.6 33.8

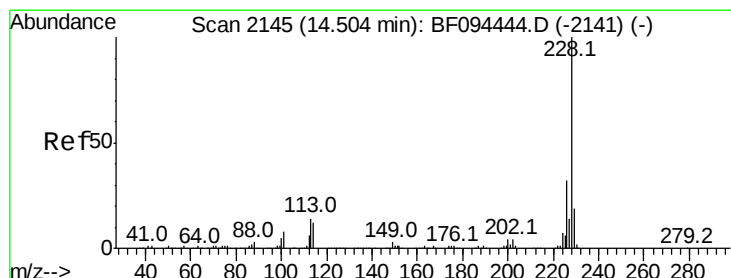
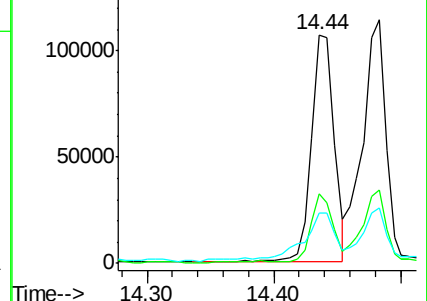
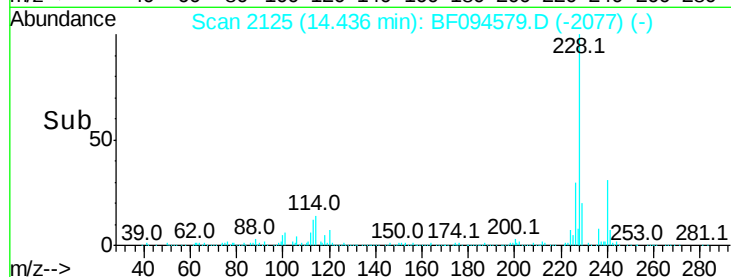
229 22.1 16.3 24.5



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: 8.44 ng

RT: 14.48 min Scan# 2133

Delta R.T. -0.02 min

Lab File: BF094579.D

Acq: 24 Apr 2017 12:26

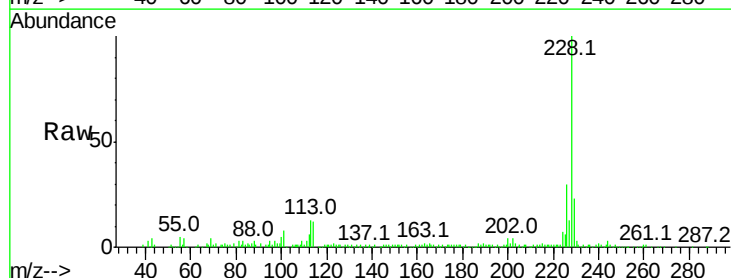
Tgt Ion:228 Resp: 136222

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

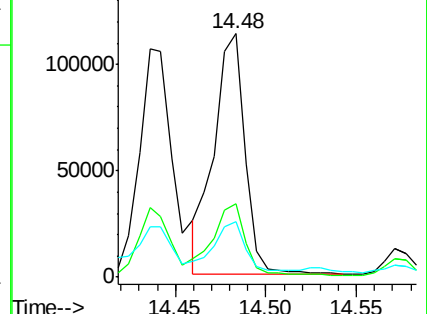
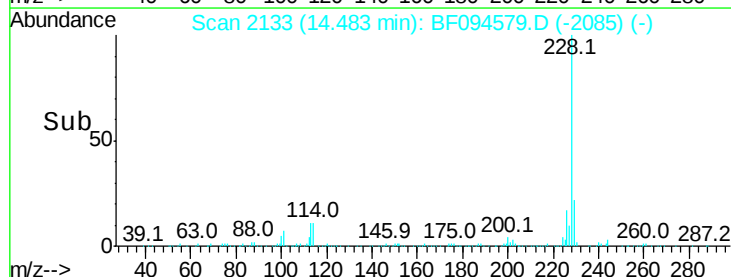
229 22.6 15.8 23.6

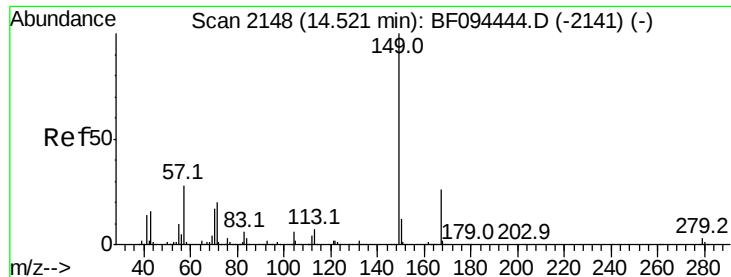


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.35 ng

RT: 14.51 min Scan# 2137

Delta R.T. -0.01 min

Lab File: BF094579.D

Acq: 24 Apr 2017 12:26

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-156-VNJ213-155-160-34

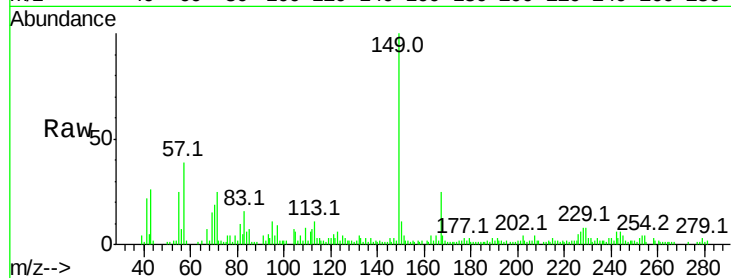
Tot Ion:149 Resp: 41905

Ion	Ratio	Lower	Upper
149	100		
167	24.9	21.0	31.4
279	2.8	1.9	2.9

149 100

167 24.9 21.0 31.4

279 2.8 1.9 2.9

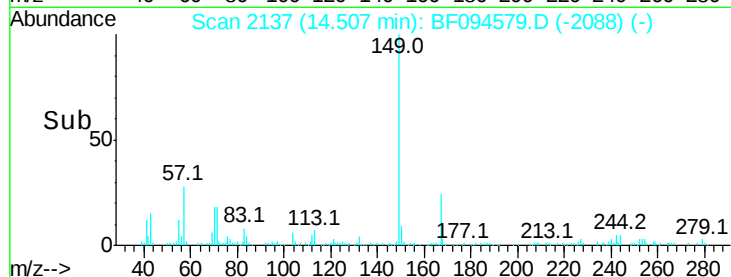


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->



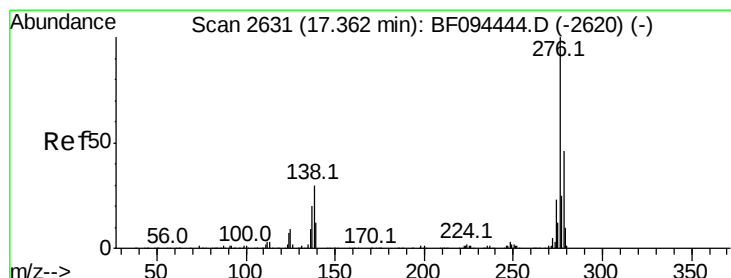
Abundance

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

Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.99 ng

RT: 17.35 min Scan# 2620

Delta R.T. -0.01 min

Lab File: BF094579.D

Acq: 24 Apr 2017 12:26

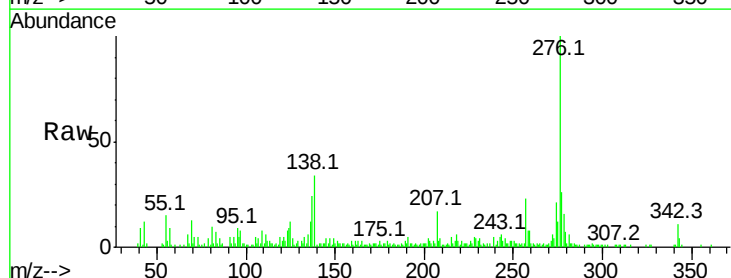
Tgt Ion:276 Resp: 76665

Ion	Ratio	Lower	Upper
276	100		
138	32.0	27.8	41.6
277	24.4	20.2	30.4

276 100

138 32.0 27.8 41.6

277 24.4 20.2 30.4

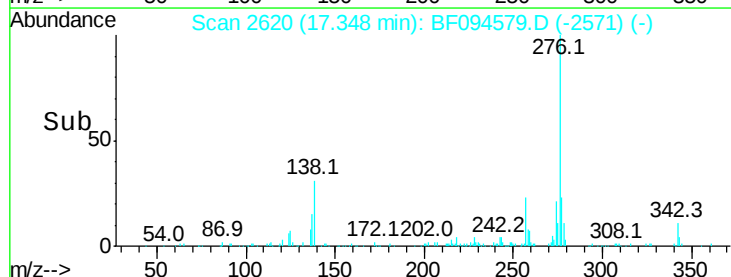


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

Time-->



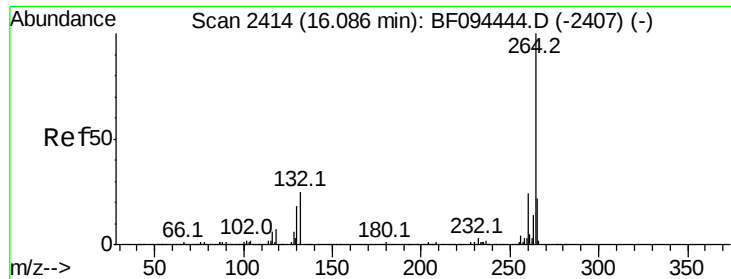
Abundance

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

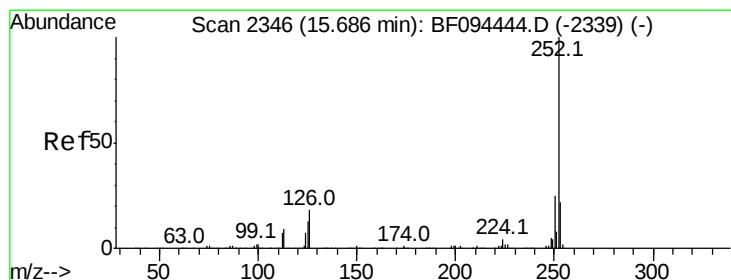
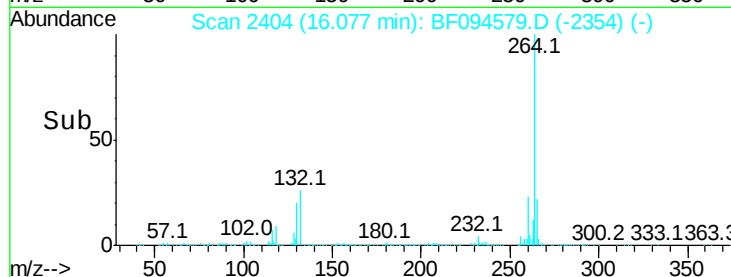
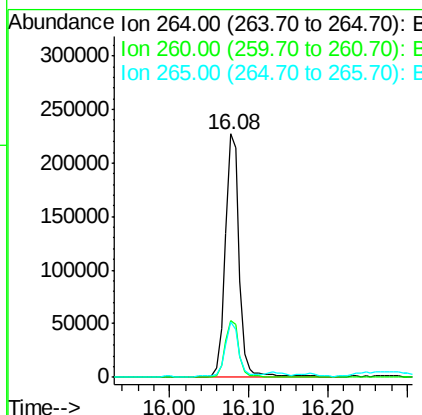
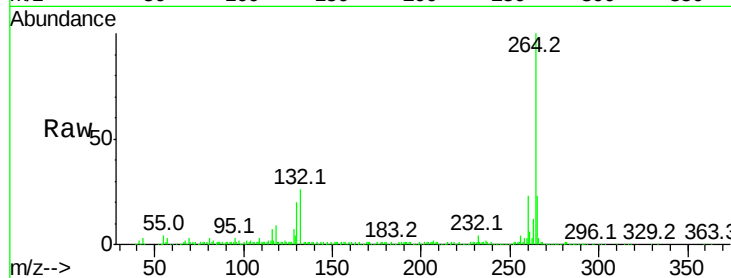
Time-->



#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

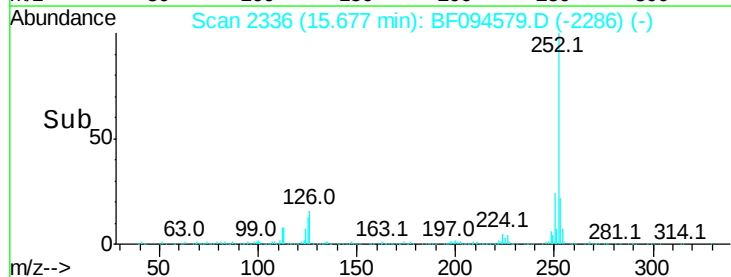
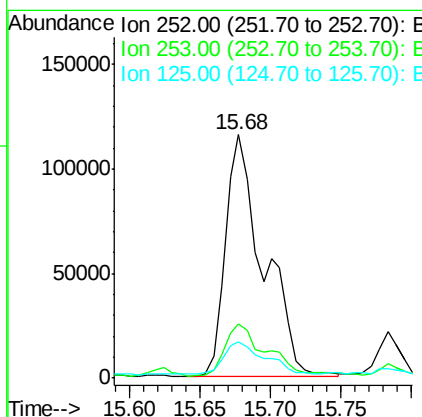
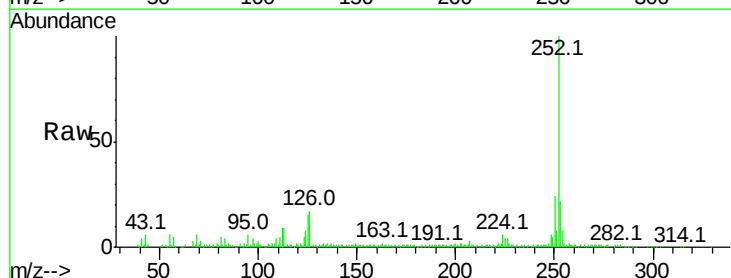
Instrument :
BNA_F
ClientSampleId :
ROLLOFFS-156-VNJ213-155-160-34

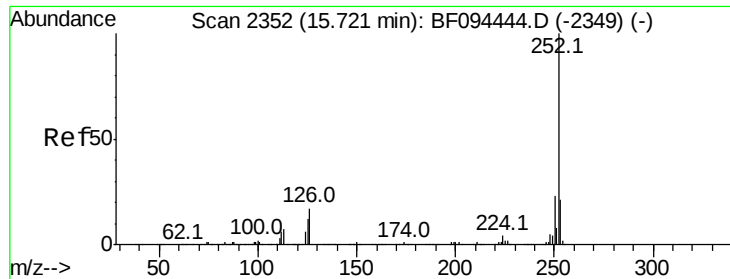
Tot Ion:264 Resp: 273296
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 22.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 12.96 ng
RT: 15.68 min Scan# 2336
Delta R.T. -0.01 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

Tgt Ion:252 Resp: 216665
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 14.7 9.8 14.8

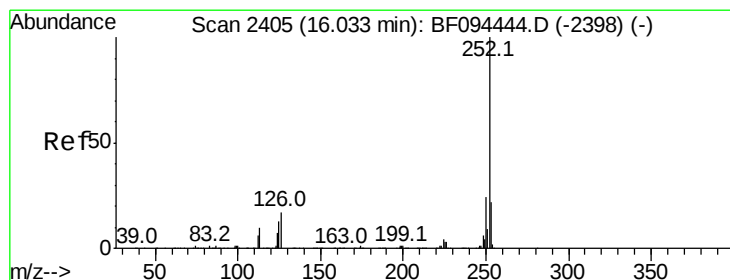
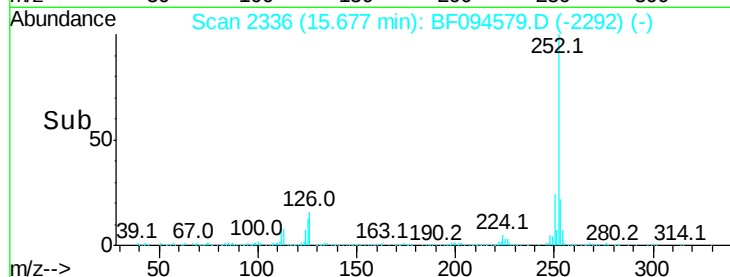
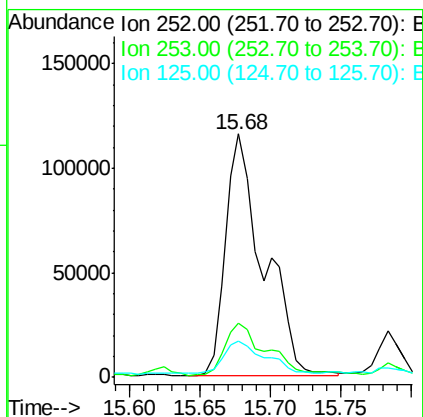
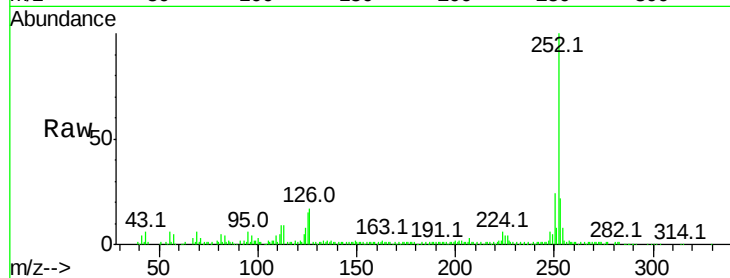




#88
Benzo(k)fluoranthene
Concen: 13.69 ng
RT: 15.68 min Scan# 2336
Delta R.T. -0.04 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

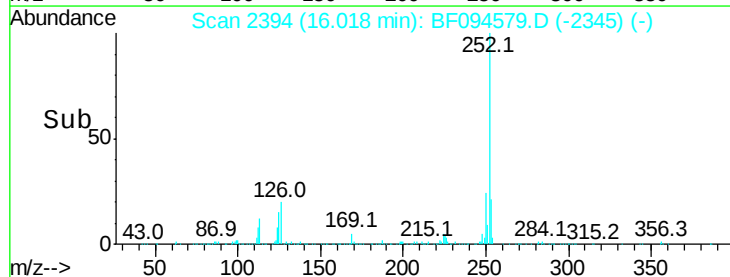
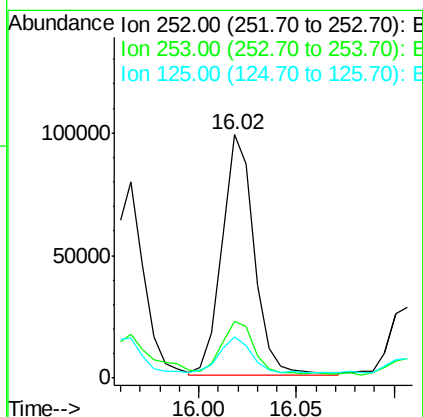
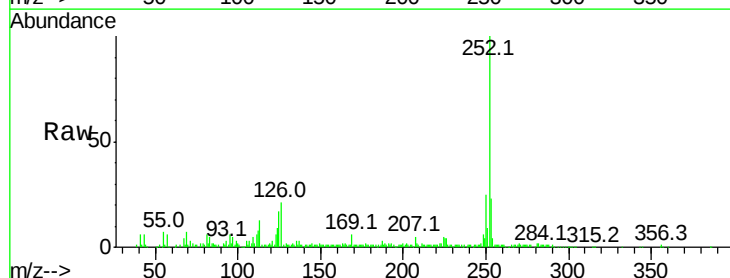
Instrument :
BNA_F
ClientSampleId :
ROLLOFFS-156-VNJ213-155-160-34

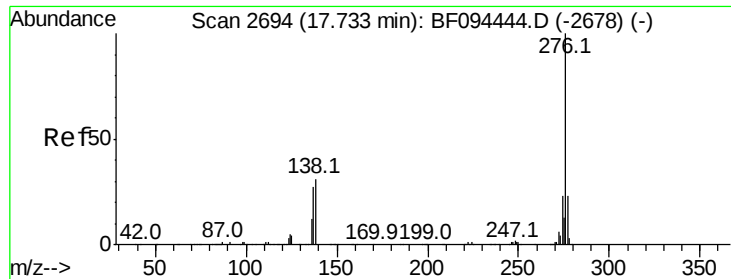
Tot Ion:252 Resp: 216665
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 14.7 13.1 19.7



#89
Benzo(a)pyrene
Concen: 7.29 ng
RT: 16.02 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

Tgt Ion:252 Resp: 113463
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 17.2 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 5.62 ng

RT: 17.72 min Scan# 2684

Delta R.T. -0.01 min

Lab File: BF094579.D

Acq: 24 Apr 2017 12:26

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-156-VNJ213-155-160-34

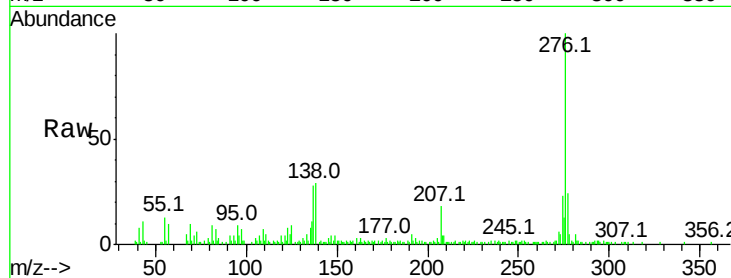
Tot Ion: 276 Resp: 73858

Ion Ratio Lower Upper

276 100

277 24.3 18.6 28.0

138 29.3 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

