

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 02:37:09 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

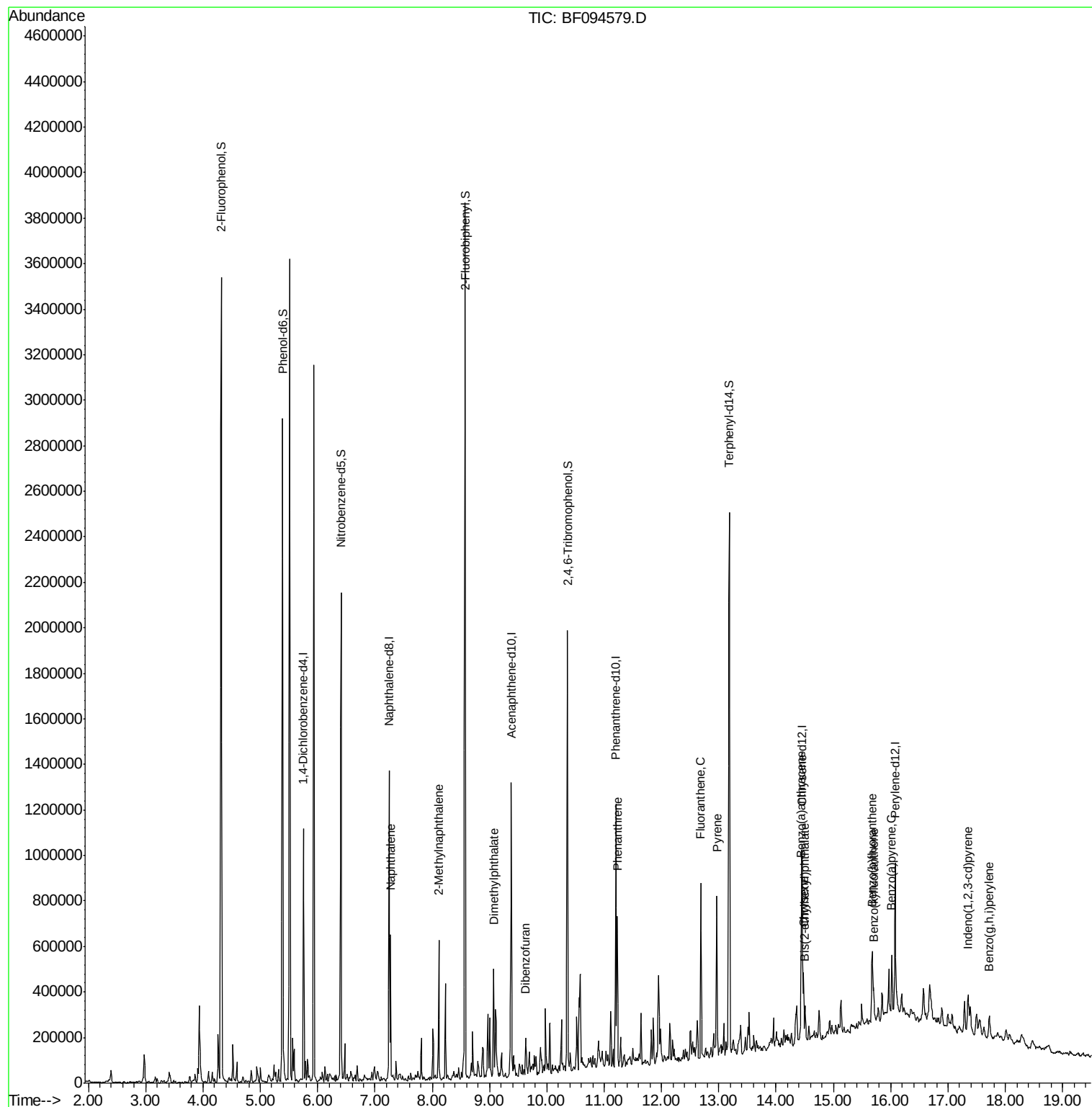
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	170154	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	648388	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	273209	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	458195	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	304020	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
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
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	150918m	9.35	ng	
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	164200m	9.82	ng	
88) Benzo(k)fluoranthene	15.70	252	55717m	3.52	ng	
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

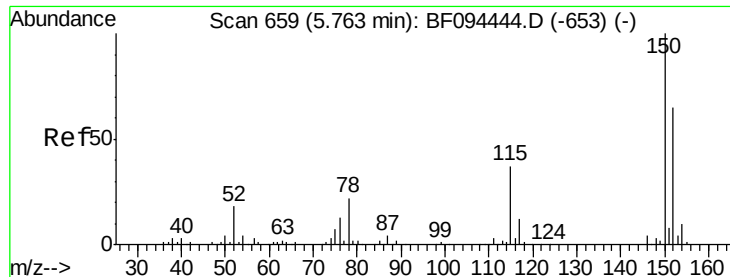
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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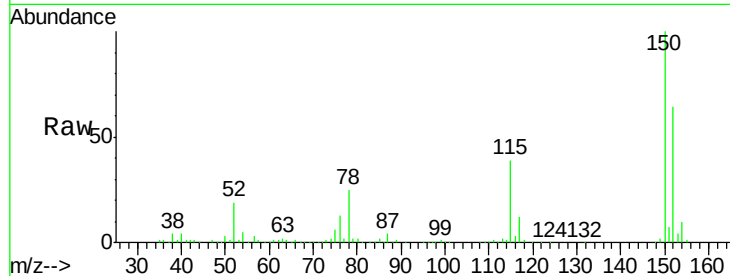


#1

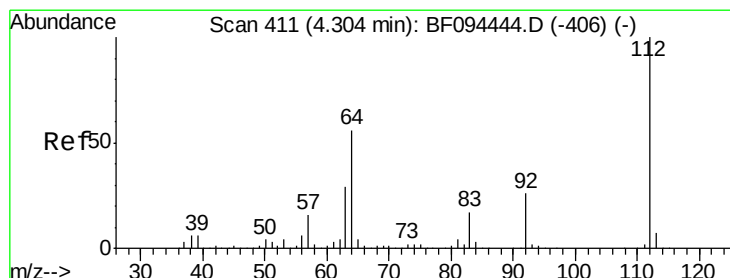
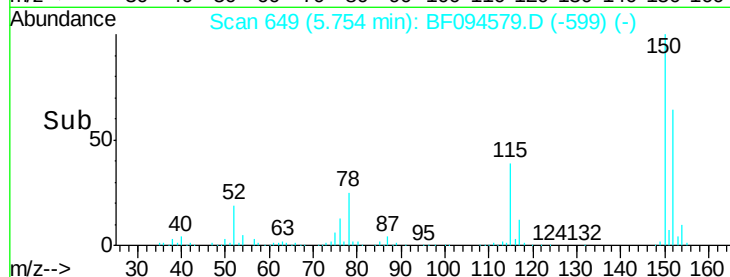
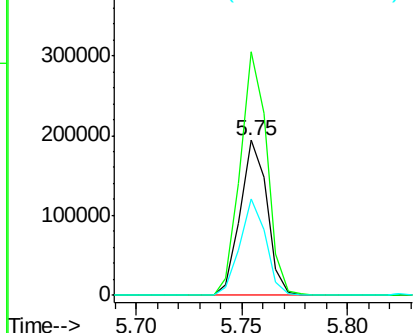
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

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



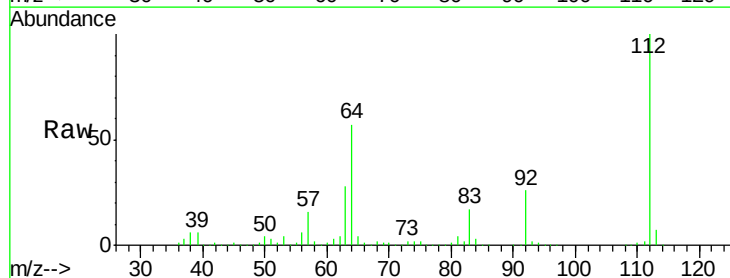
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



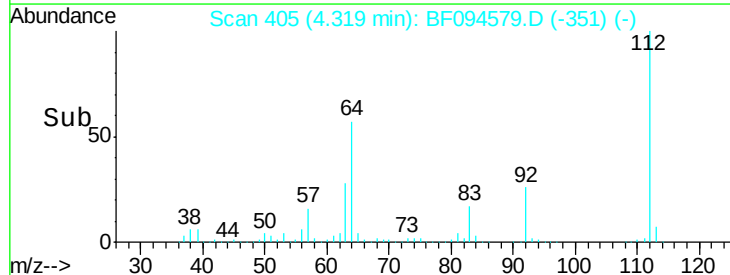
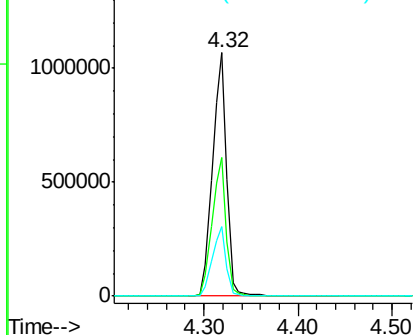
#5

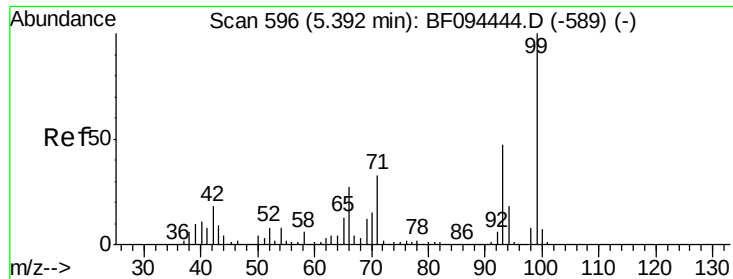
2-Fluorophenol
Concen: 110.82 ng
RT: 4.32 min Scan# 405
Delta R.T. 0.02 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

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

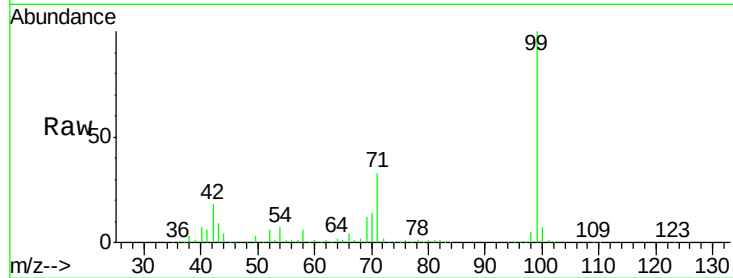
Tot Ion: 99 Resp: 1416813

Ion Ratio Lower Upper

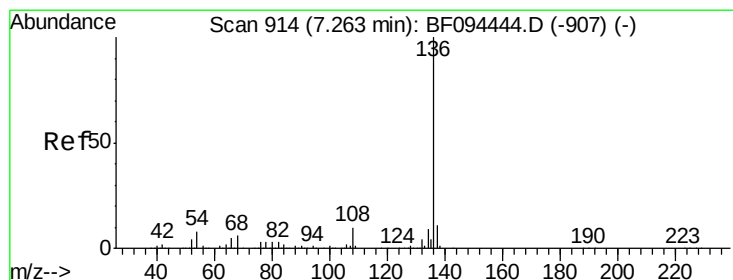
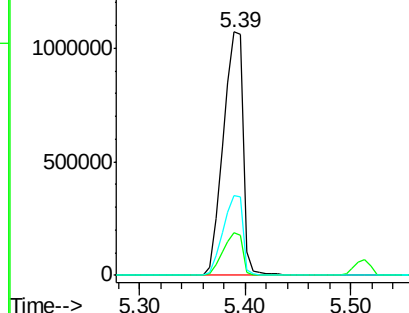
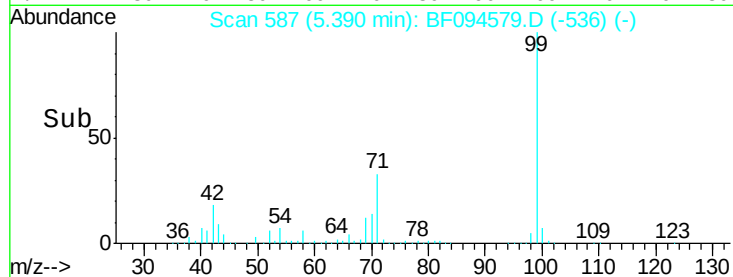
99 100

42 17.5 13.5 20.3

71 32.7 24.5 36.7



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



#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

Tgt Ion: 136 Resp: 648388

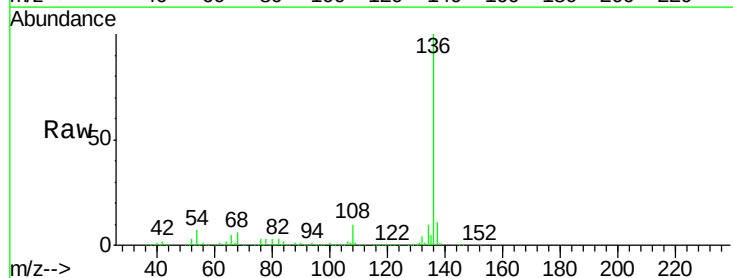
Ion Ratio Lower Upper

136 100

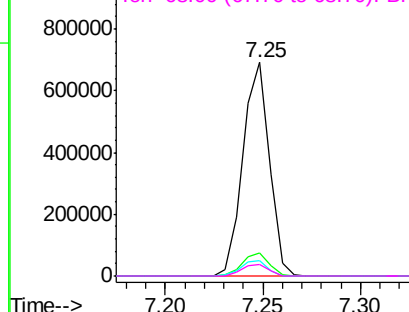
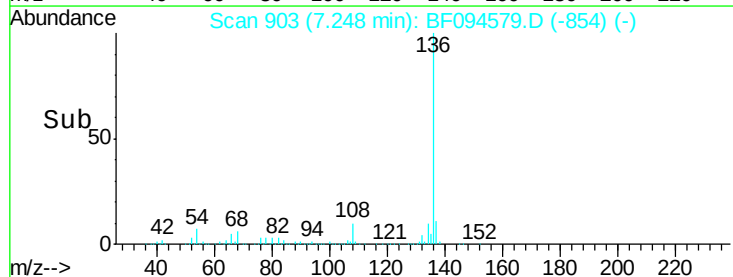
137 10.8 8.5 12.7

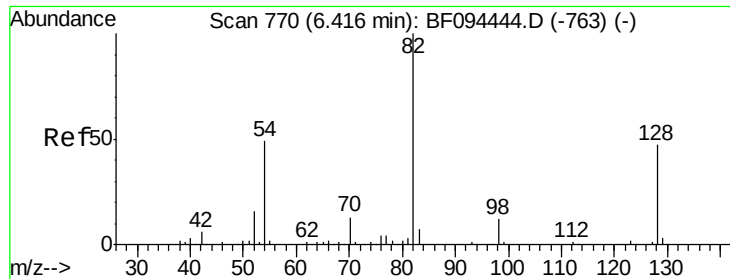
54 7.1 4.9 7.3

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

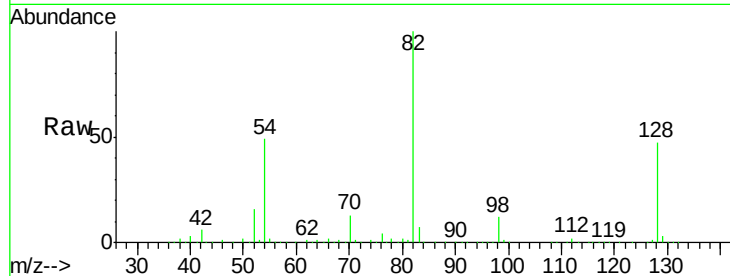




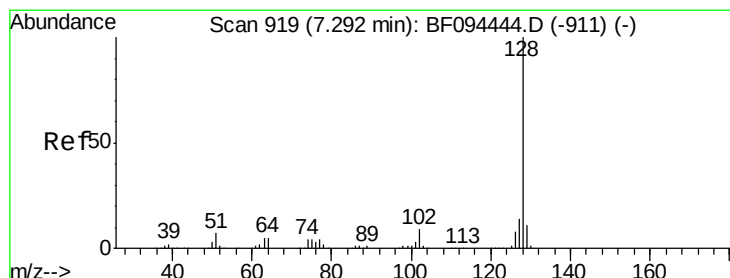
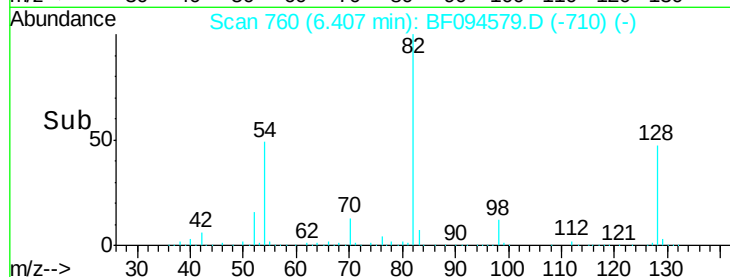
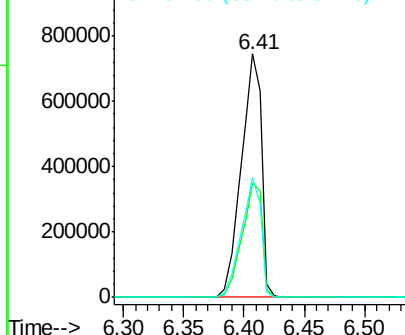
#23
Nitrobenzene-d5
Concen: 83.00 ng
RT: 6.41 min Scan# 760
Delta R.T. -0.01 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

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

Tot Ion: 82 Resp: 871545
Ion Ratio Lower Upper
82 100
128 46.7 34.0 51.0
54 49.3 42.2 63.2

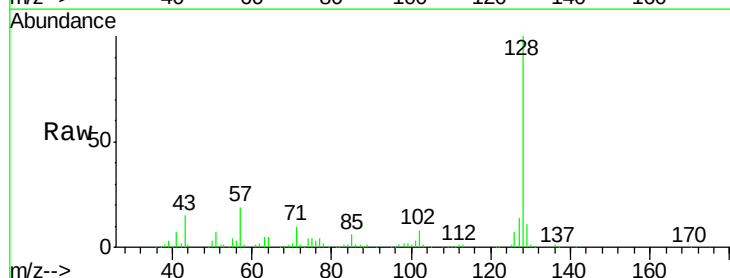


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

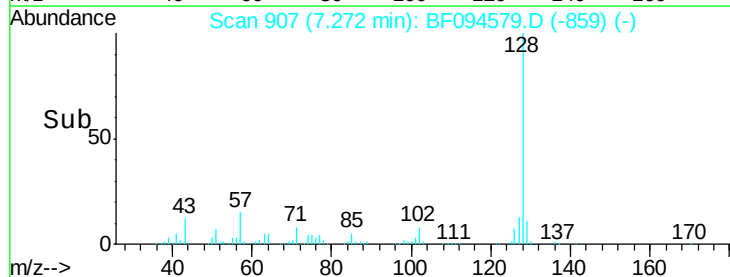
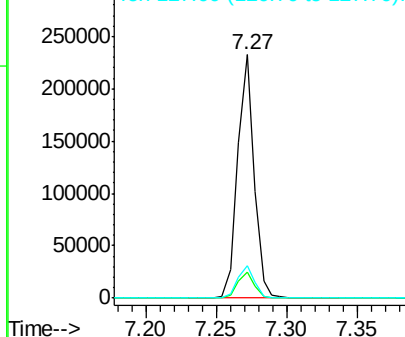


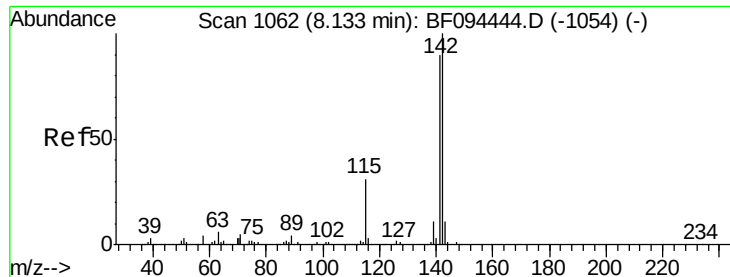
#31
Naphthalene
Concen: 6.08 ng
RT: 7.27 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

Tgt 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

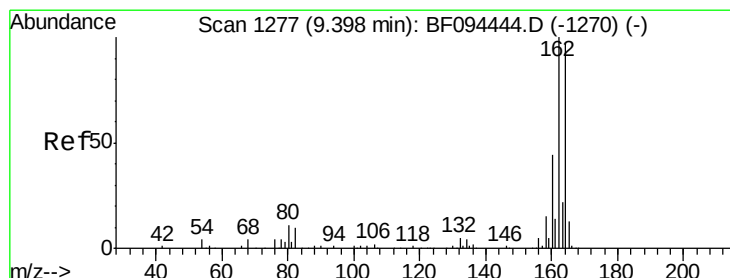
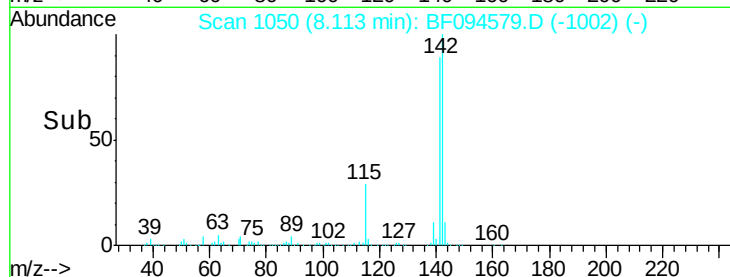
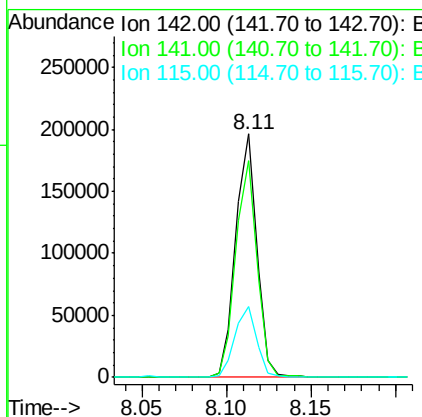
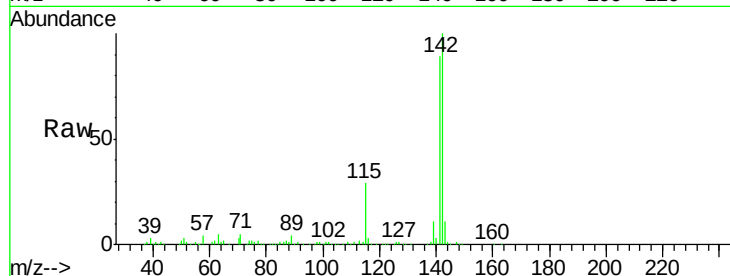




#37
2-Methylnaphthalene
Concen: 8.04 ng
RT: 8.11 min Scan# 1050
Delta R.T. -0.02 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

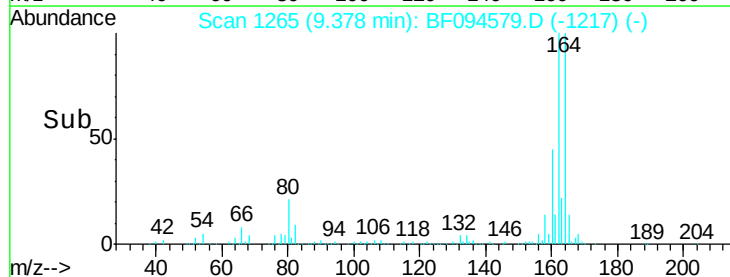
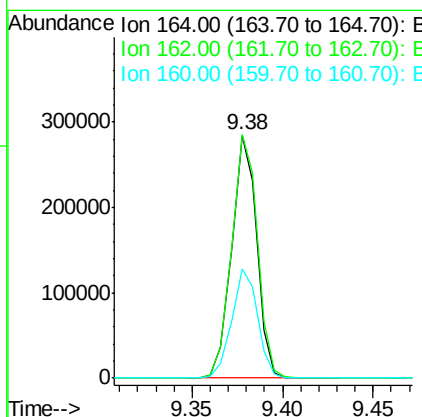
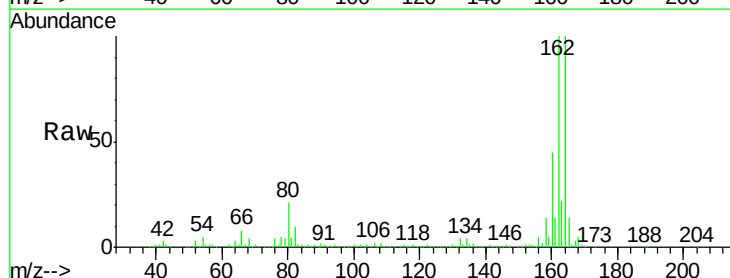
Instrument :
BNA_F
ClientSampleId :
ROLLOFFS-156-VNJ213-155-160-34

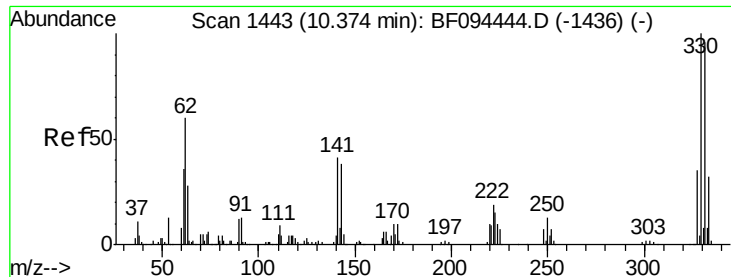
Tot Ion:142 Resp: 171361
Ion Ratio Lower Upper
142 100
141 89.1 71.3 106.9
115 29.0 27.1 40.7



#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

Tgt Ion:164 Resp: 273209
Ion Ratio Lower Upper
164 100
162 100.4 82.6 123.8
160 45.0 36.2 54.2

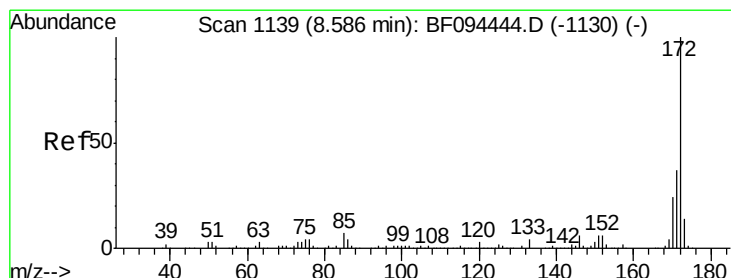
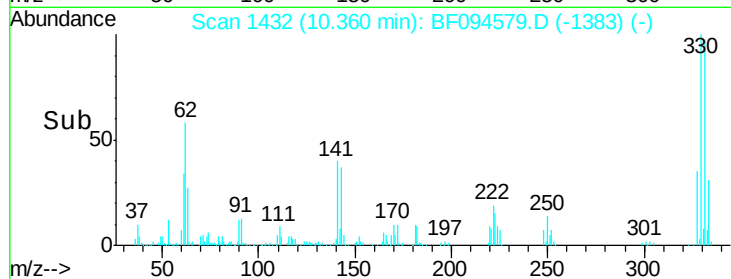
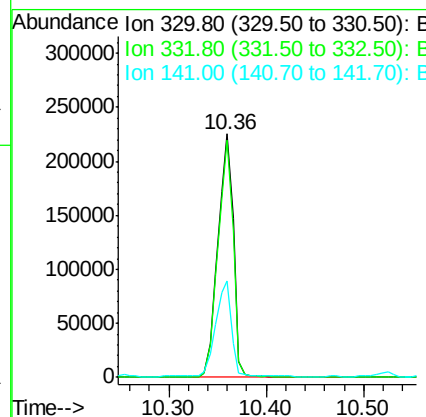
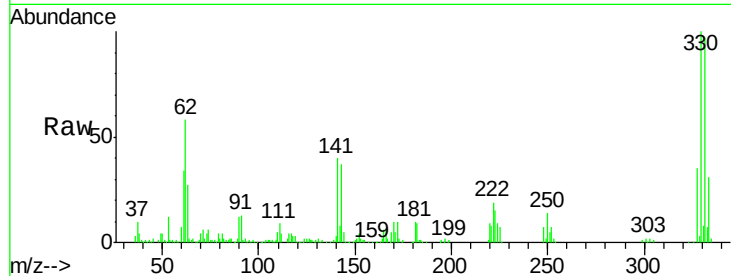




#41
 2,4,6-Tribromophenol
 Concen: 116.76 ng
 RT: 10.36 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF094579.D
 Acq: 24 Apr 2017 12:26

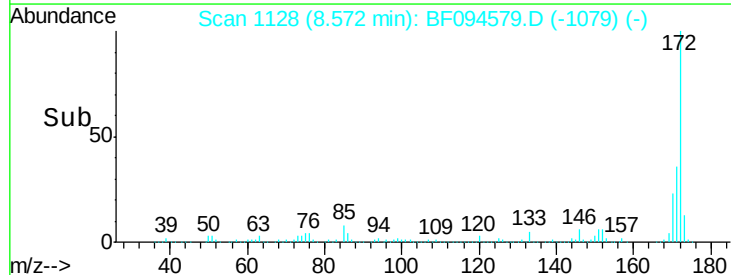
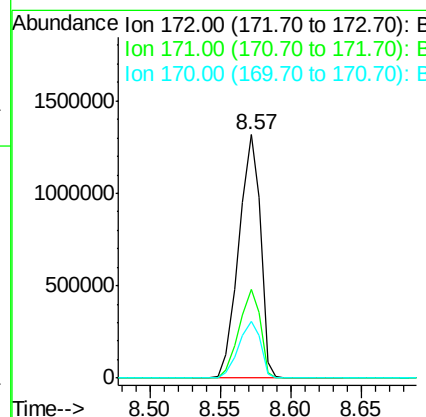
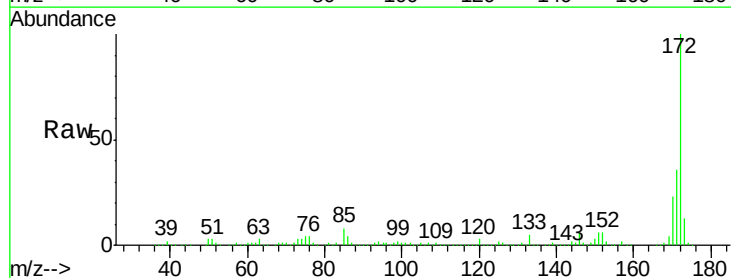
Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFFS-156-VNJ213-155-160-34

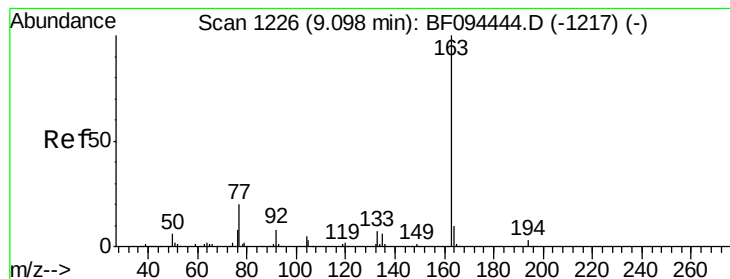
Tot Ion:330 Resp: 249520
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.6 115.0
 141 39.7 31.4 47.2



#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

Tgt 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

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-156-VNJ213-155-160-34

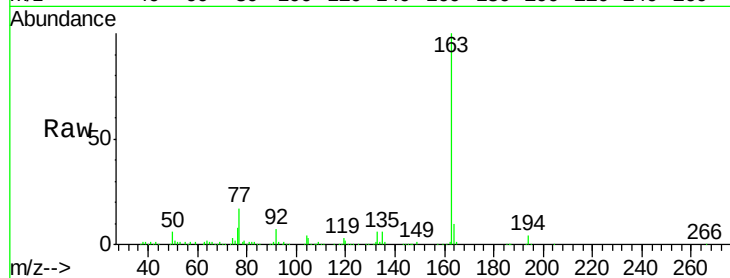
Tot Ion:163 Resp: 195457

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

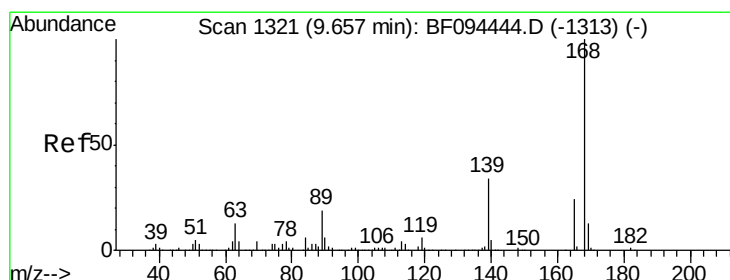
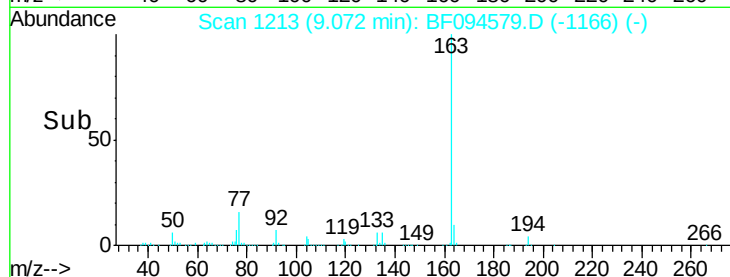
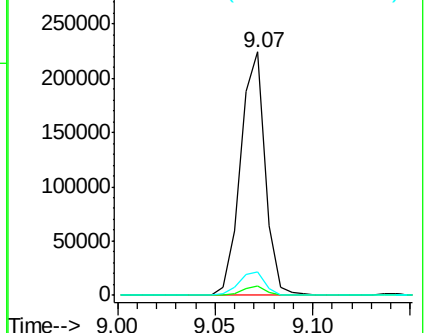
164 9.9 8.4 12.6



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



#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

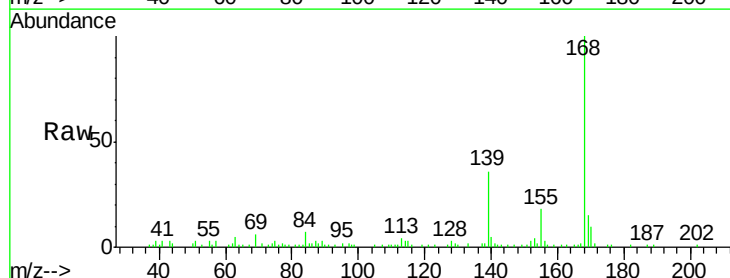
Tgt Ion:168 Resp: 53613

Ion Ratio Lower Upper

168 100

139 36.4 30.6 45.8

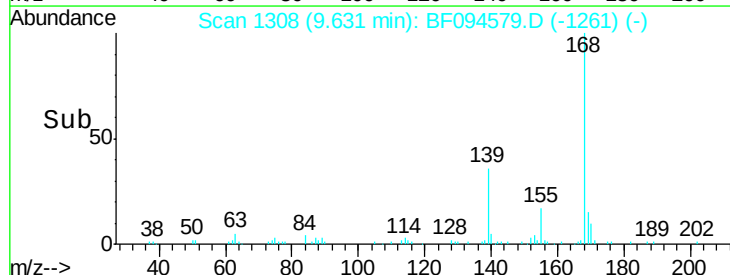
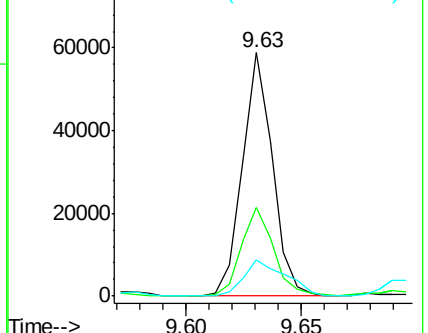
169 15.0 10.8 16.2

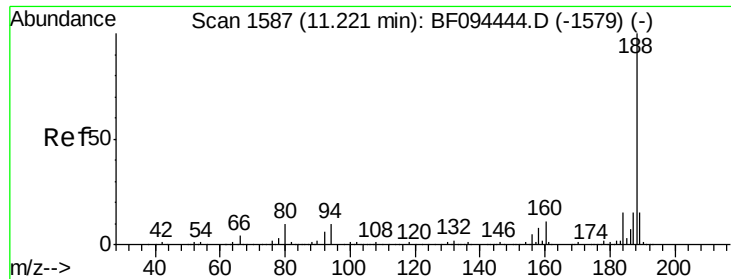


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

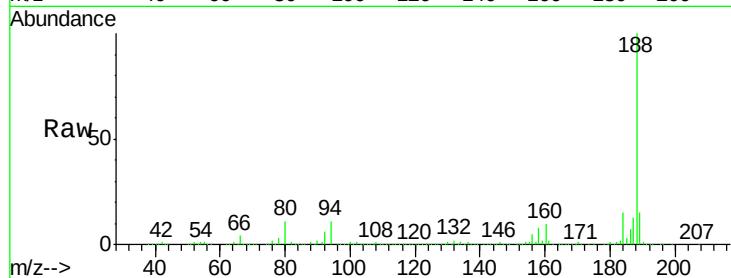




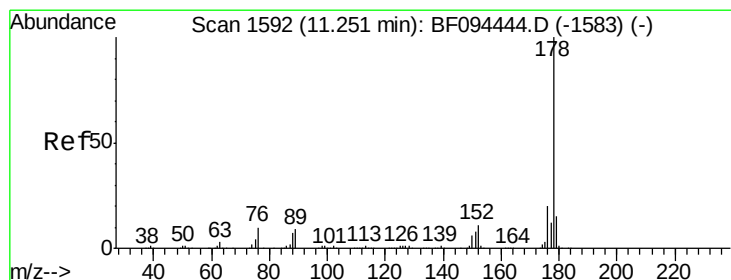
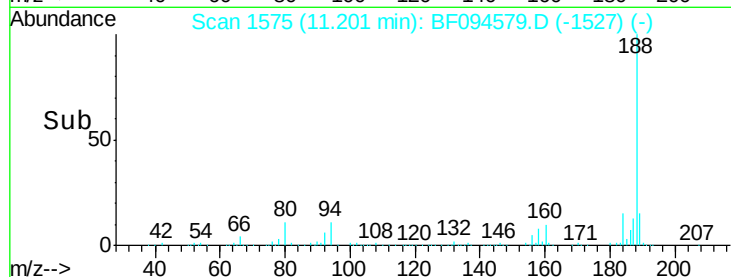
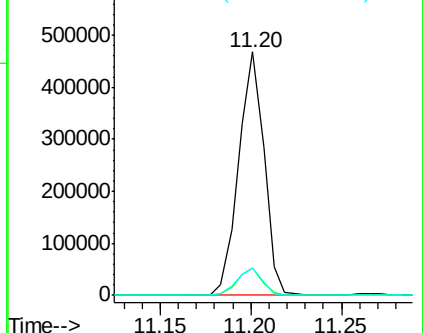
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

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

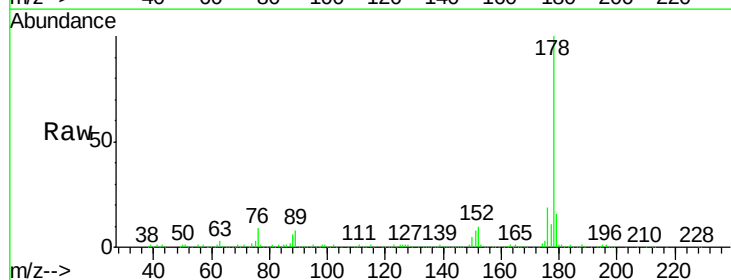


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

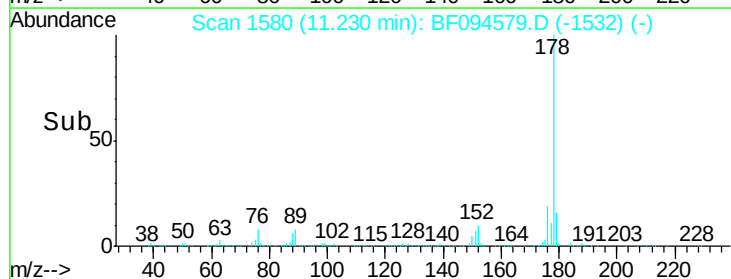
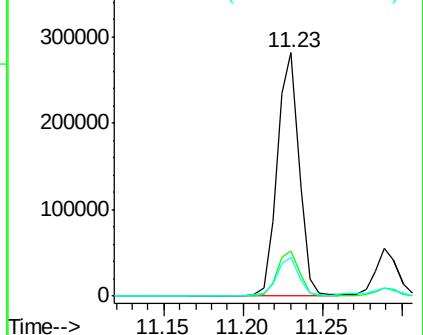


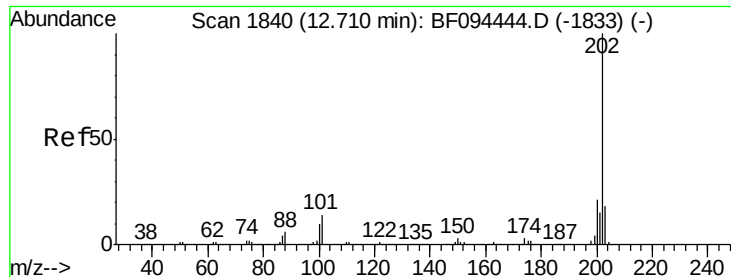
#70
Phenanthrene
Concen: 10.52 ng
RT: 11.23 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

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

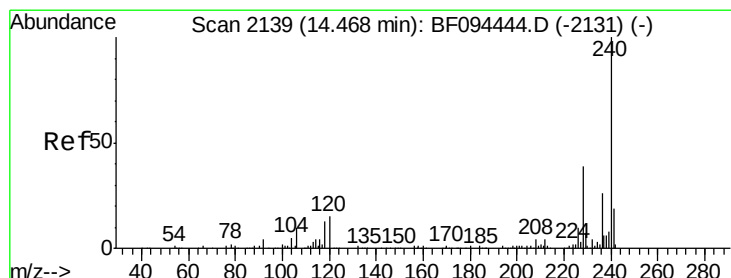
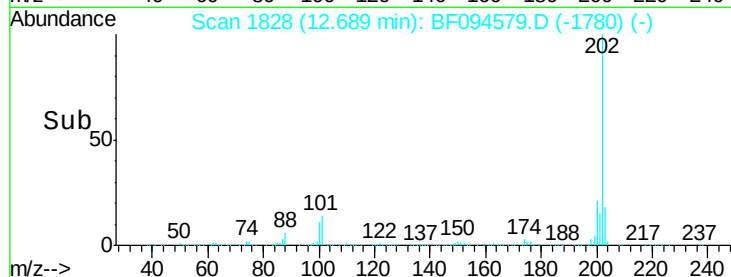
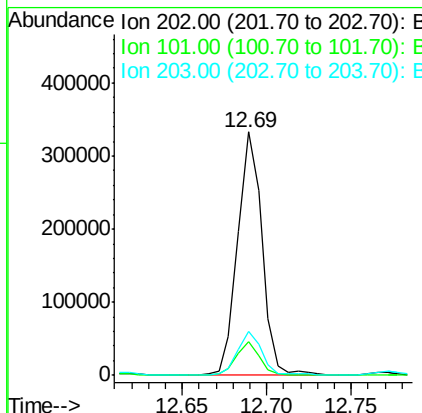
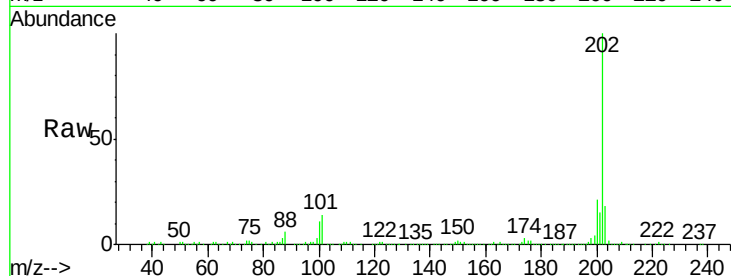
Instrument :

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

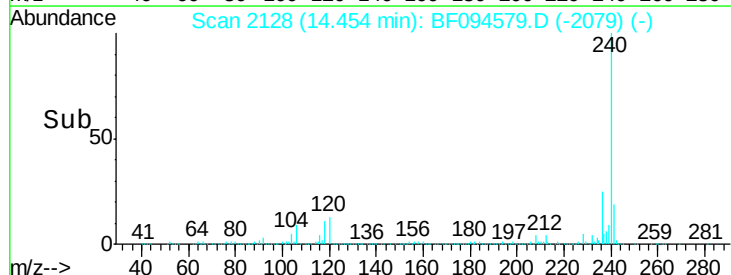
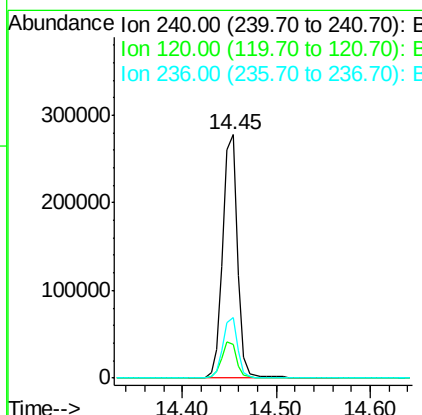
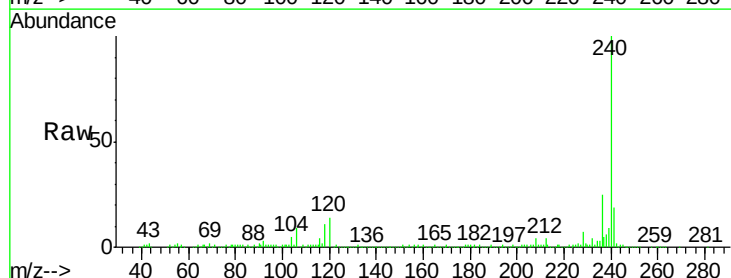
RT: 14.45 min Scan# 2128

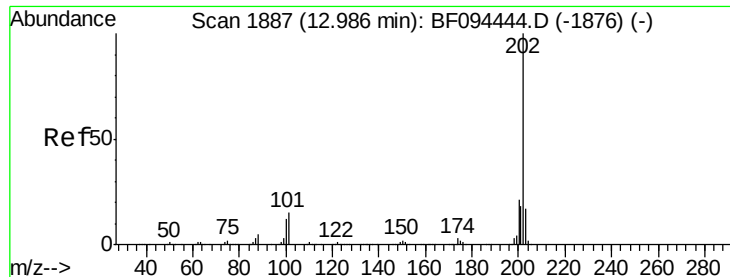
Delta R.T. -0.01 min

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

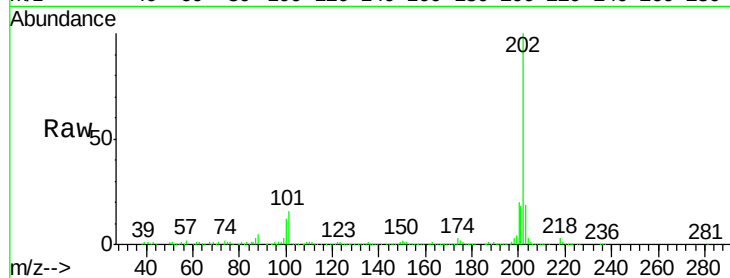
Instrument :

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

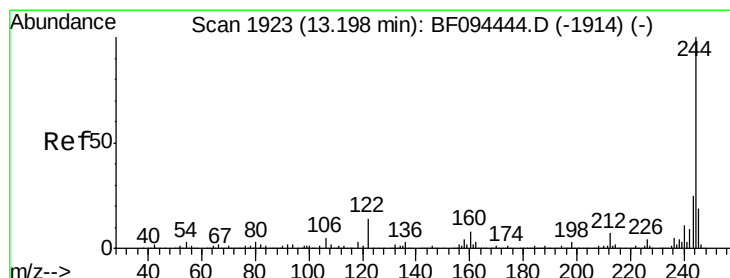
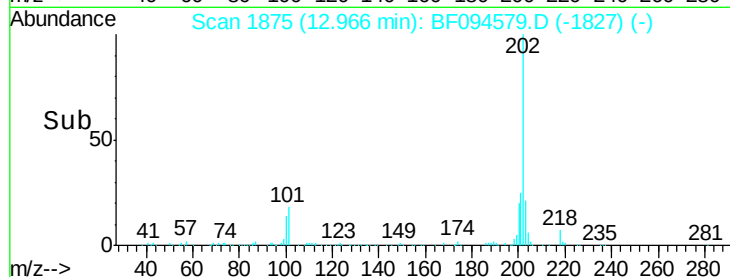
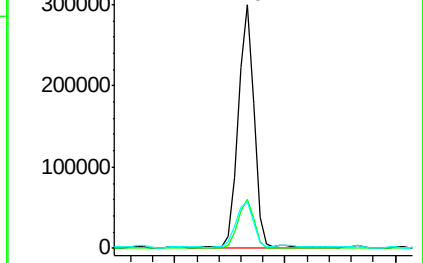


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.97



#78

Terphenyl-d14

Concen: 83.23 ng

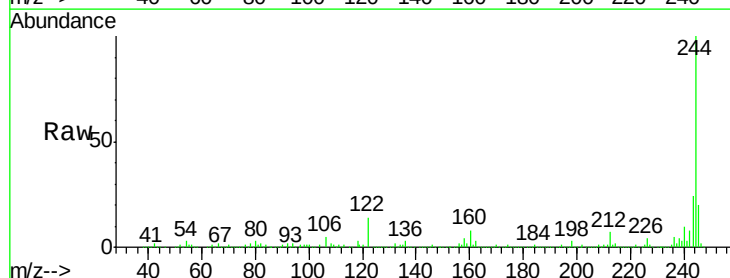
RT: 13.18 min Scan# 1912

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

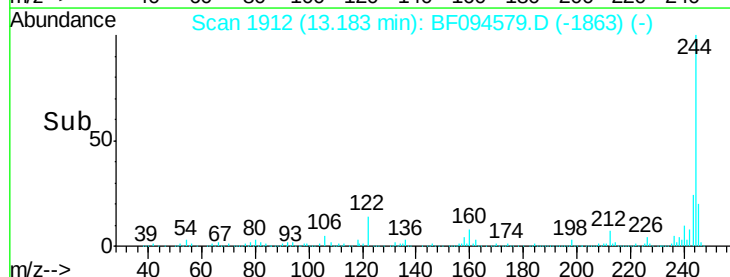
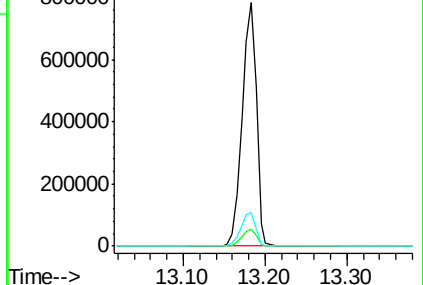


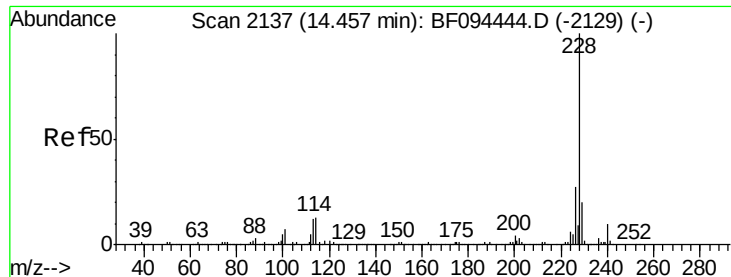
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

13.18

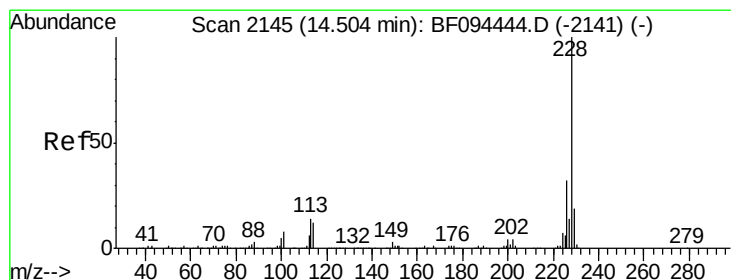
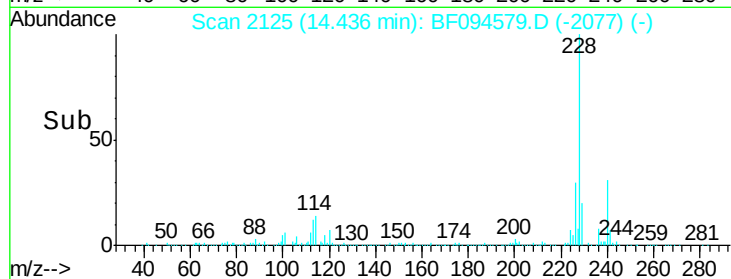
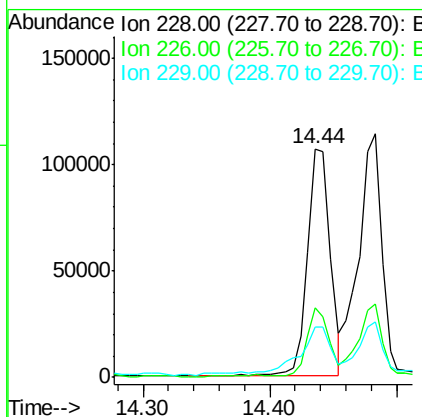
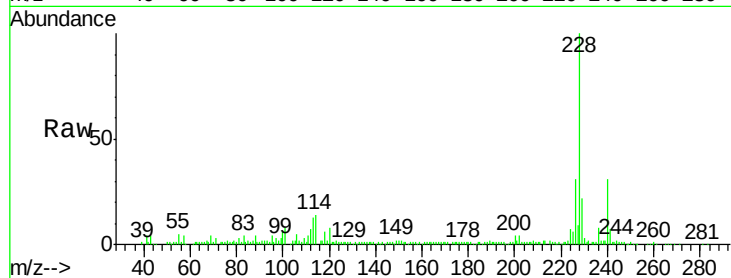




#80
Benzo(a)anthracene
Concen: 7.49 ng
RT: 14.44 min Scan# 2125
Delta R.T. -0.02 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

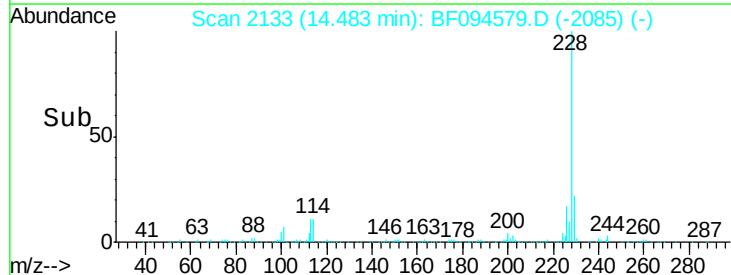
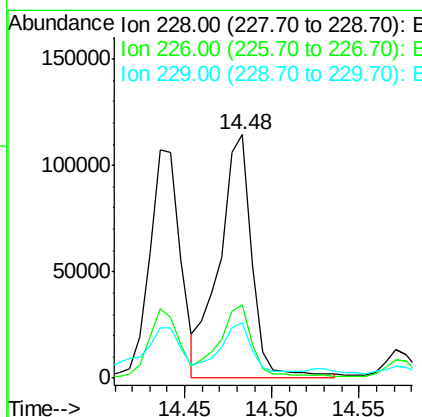
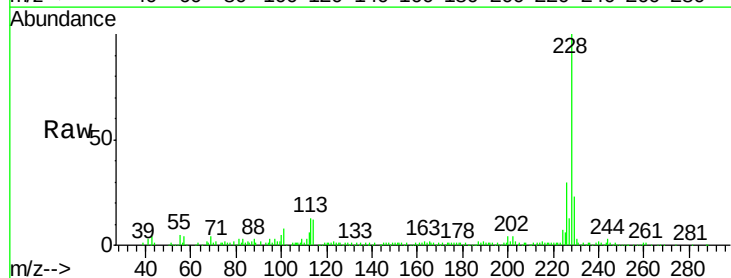
Instrument :
BNA_F
ClientSampleId :
ROLLOFFS-156-VNJ213-155-160-34

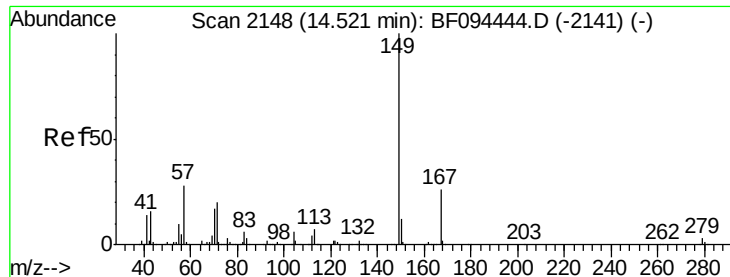
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.6	33.8
229	22.1	16.3	24.5



#82
Chrysene
Concen: 9.35 ng m
RT: 14.48 min Scan# 2133
Delta R.T. -0.02 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	22.6	15.8	23.6

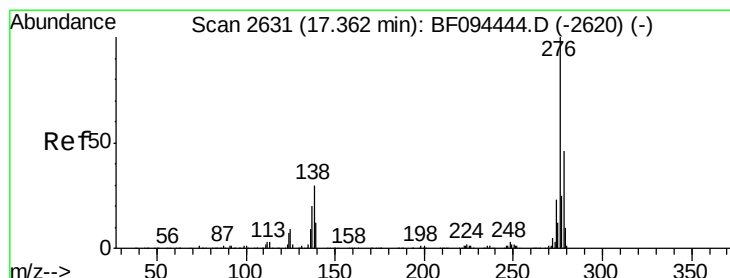
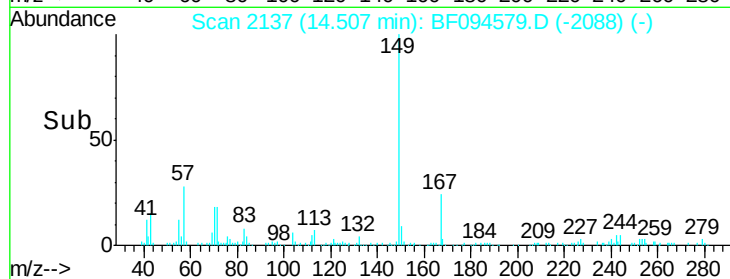
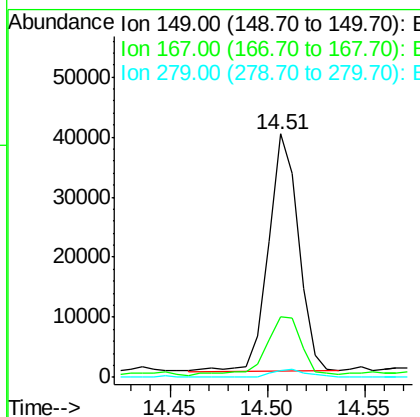
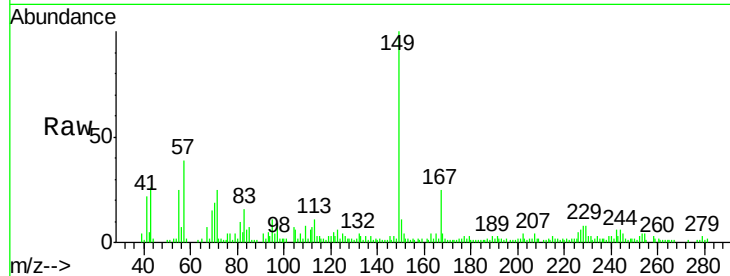




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.35 ng
 RT: 14.51 min Scan# 2137
 Delta R.T. -0.01 min
 Lab File: BF094579.D
 Acq: 24 Apr 2017 12:26

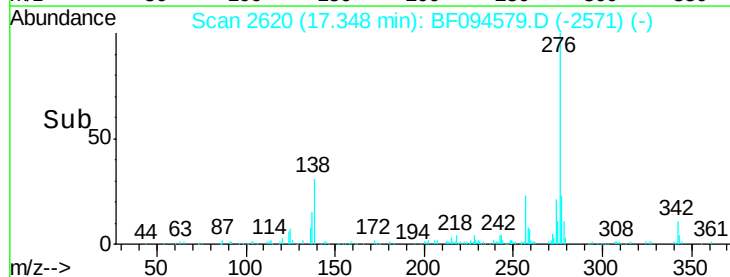
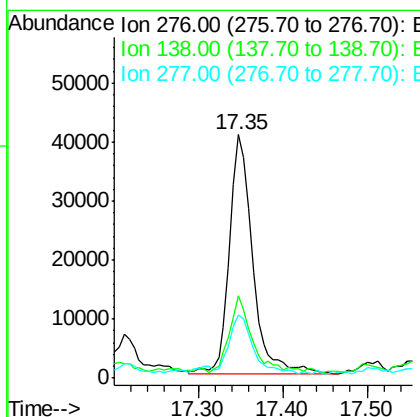
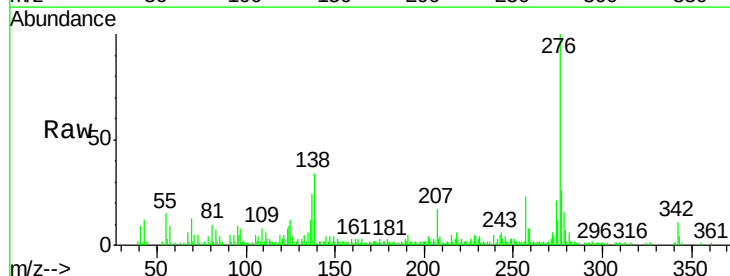
Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFFS-156-VNJ213-155-160-34

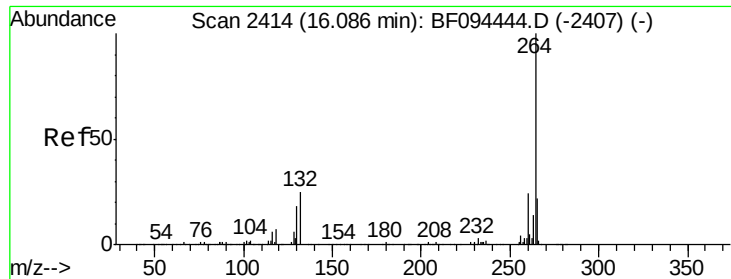
Tot Ion	Ratio	Lower	Upper
149	100		
167	24.9	21.0	31.4
279	2.8	1.9	2.9



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





#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

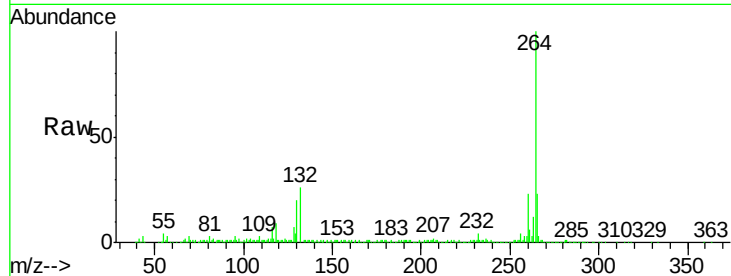
Tot Ion:264 Resp: 273296

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

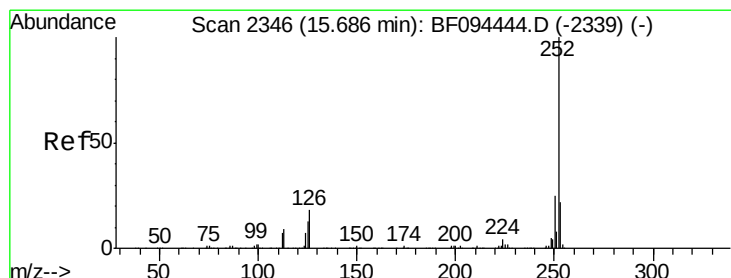
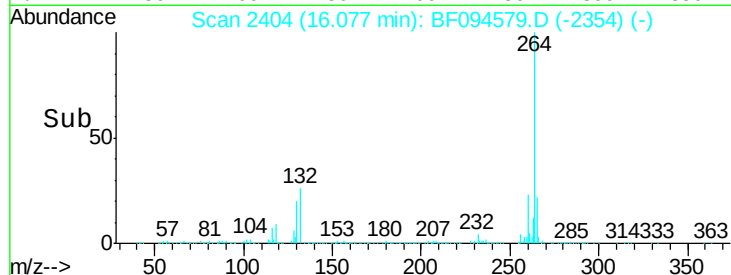
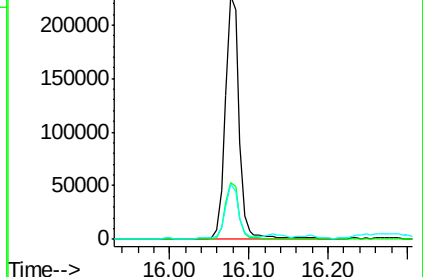
265 22.7 17.2 25.8



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: 9.82 ng m

RT: 15.68 min Scan# 2336

Delta R.T. -0.01 min

Lab File: BF094579.D

Acq: 24 Apr 2017 12:26

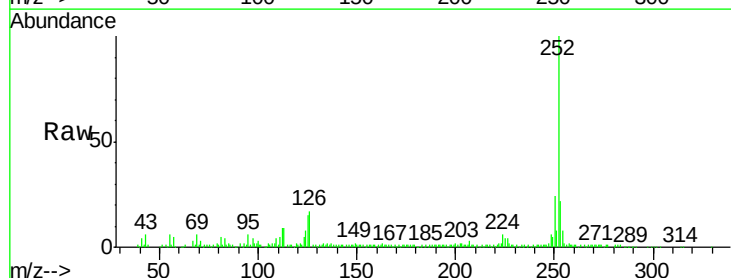
Tgt Ion:252 Resp: 164200

Ion Ratio Lower Upper

252 100

253 22.3 18.1 27.1

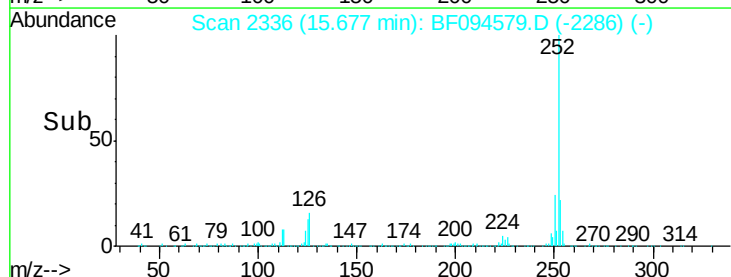
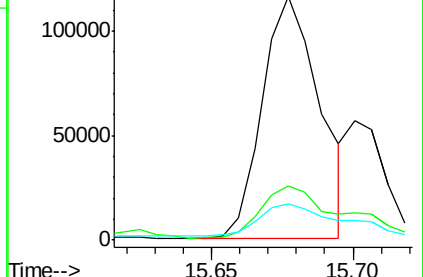
125 14.7 9.8 14.8

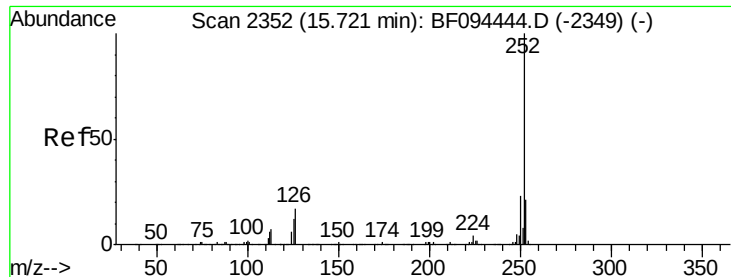


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

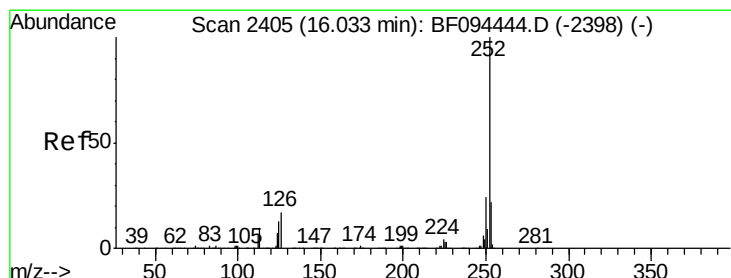
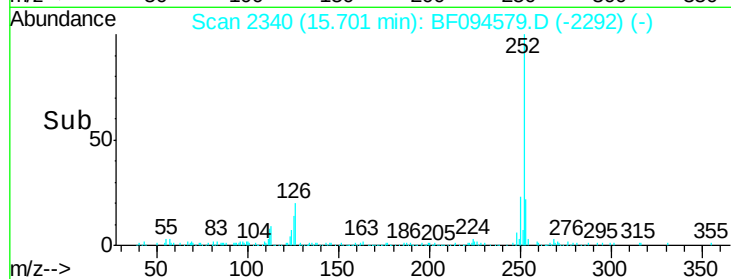
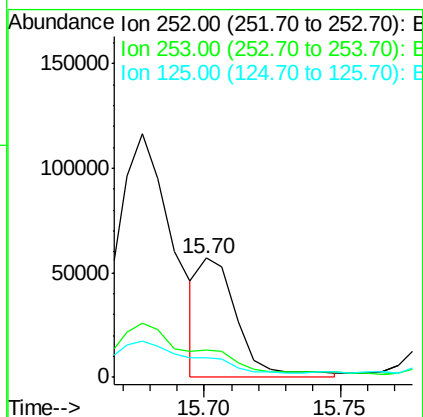
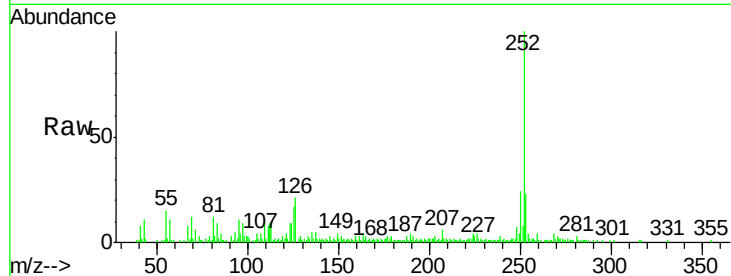




#88
Benzo(k)fluoranthene
Concen: 3.52 ng m
RT: 15.70 min Scan# 2340
Delta R.T. -0.02 min
Lab File: BF094579.D
Acq: 24 Apr 2017 12:26

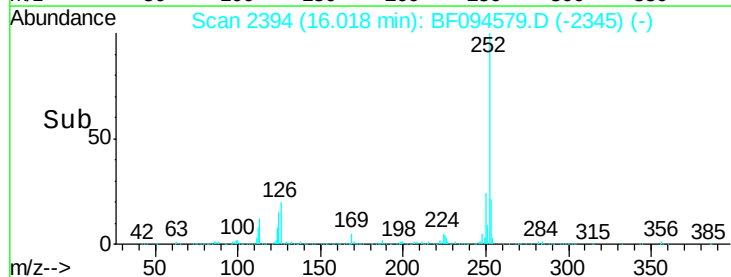
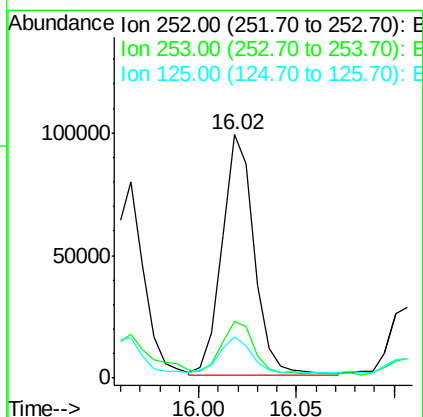
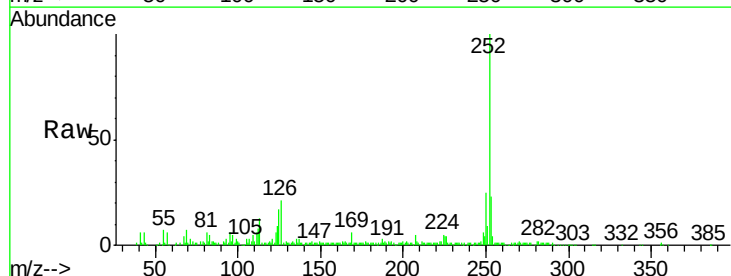
Instrument :
BNA_F
ClientSampleId :
ROLLOFFS-156-VNJ213-155-160-34

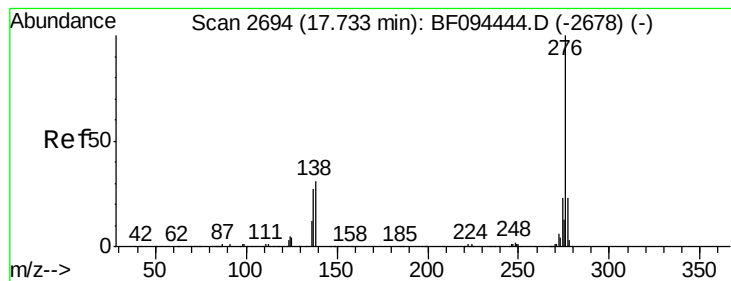
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	16.9	13.1	19.7



#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	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	17.2	11.0	16.4

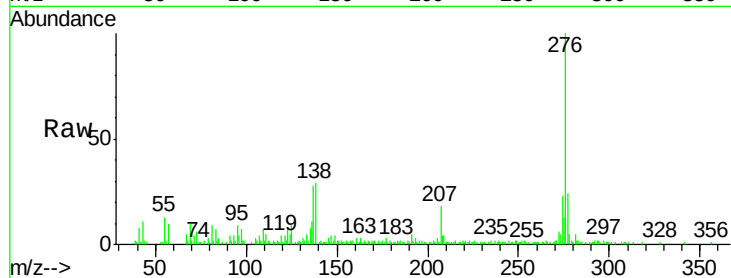




#91
 Benzo(a,h,i)perylene
 Concen: 5.62 ng
 RT: 17.72 min Scan# 2684
 Delta R.T. -0.01 min
 Lab File: BF094579.D
 Acq: 24 Apr 2017 12:26

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

Tot Ion	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

