

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042417\
 Data File : BF094580.D
 Acq On : 24 Apr 2017 12:54
 Operator : SJ/MA
 Sample : I2790-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFFS-VNJ238-VNJ205-VNJ22

Quant Time: Apr 25 03:50:24 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

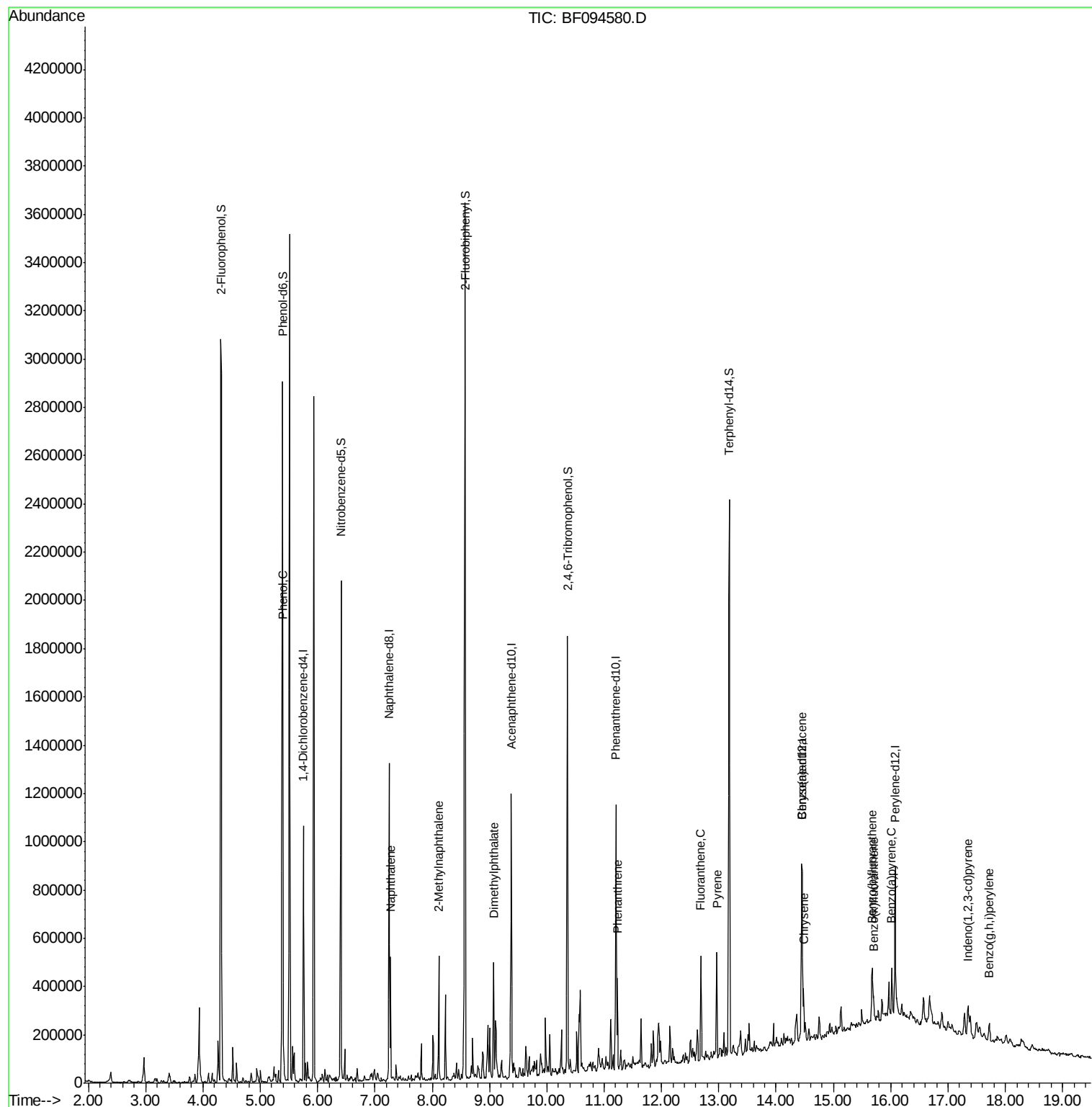
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	156383	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	603064	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	254513	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	417764	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	276536	20.00	ng	-0.01
86) Perylene-d12	16.08	264	251938	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.31	112	1042271	110.57	ng	0.00
7) Phenol-d6	5.39	99	1289446	116.04	ng	0.00
23) Nitrobenzene-d5	6.41	82	787391	80.62	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	225711	113.38	ng	-0.01
44) 2-Fluorobiphenyl	8.57	172	1297905	75.03	ng	-0.01
78) Terphenyl-d14	13.18	244	838928	81.09	ng	-0.01
Target Compounds						Qvalue
10) Phenol	5.40	94	80072	5.87	ng	86
31) Naphthalene	7.27	128	156553	5.40	ng	97
37) 2-Methylnaphthalene	8.11	142	138778	7.00	ng	98
49) Dimethylphthalate	9.07	163	212810	11.22	ng	98
70) Phenanthrene	11.23	178	152081	6.46	ng	96
74) Fluoranthene	12.69	202	193152	7.92	ng	99
77) Pyrene	12.97	202	181905	9.42	ng	99
80) Benzo(a)anthracene	14.44	228	90851	5.65	ng	97
82) Chrysene	14.48	228	103387m	7.04	ng	
85) Indeno(1,2,3-cd)pyrene	17.35	276	53128	3.80	ng	98
87) Benzo(b)fluoranthene	15.68	252	119344m	7.74	ng	
88) Benzo(k)fluoranthene	15.70	252	34774m	2.38	ng	
89) Benzo(a)pyrene	16.02	252	84442	5.89	ng	# 95
91) Benzo(a,h,i)perylene	17.72	276	54423	4.49	ng	99

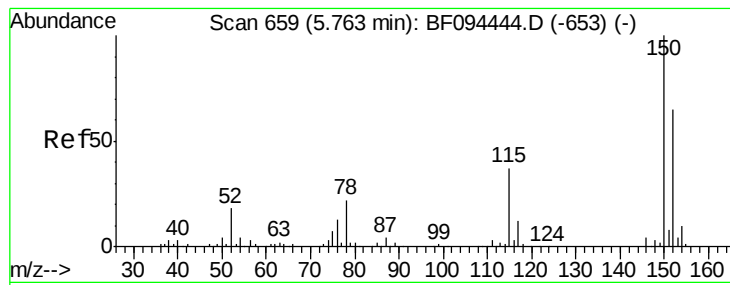
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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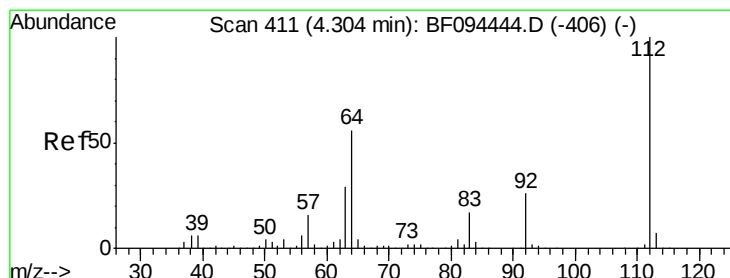
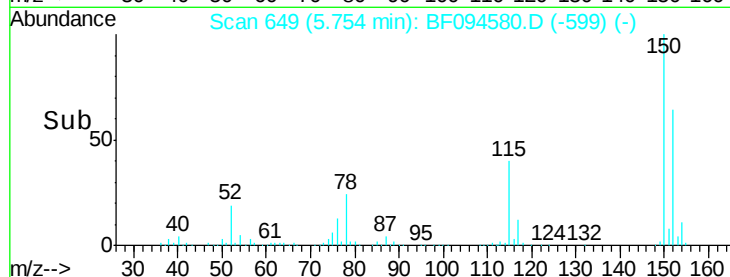
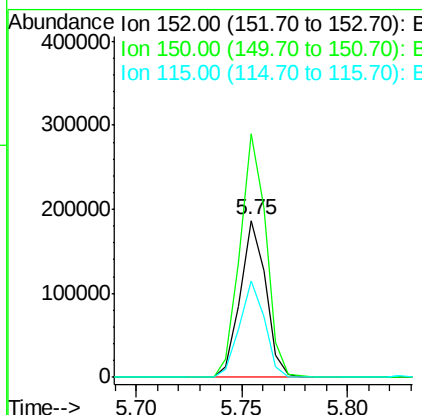
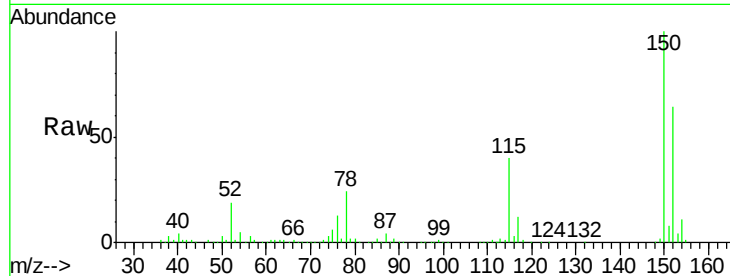




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.75 min Scan# 649
 Delta R.T. -0.01 min
 Lab File: BF094580.D
 Acq: 24 Apr 2017 12:54

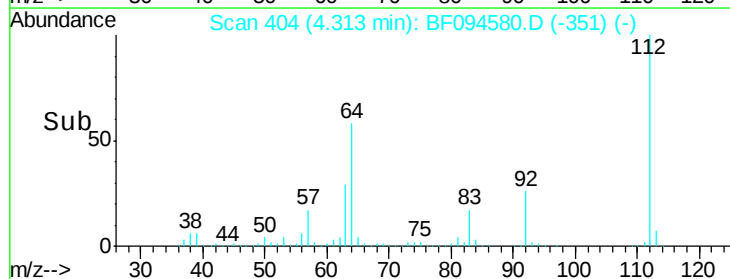
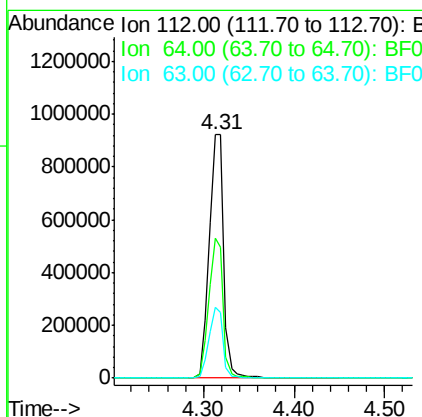
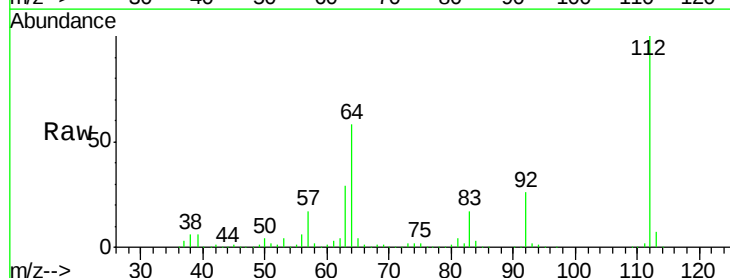
Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFFS-VNJ238-VNJ205-VNJ22

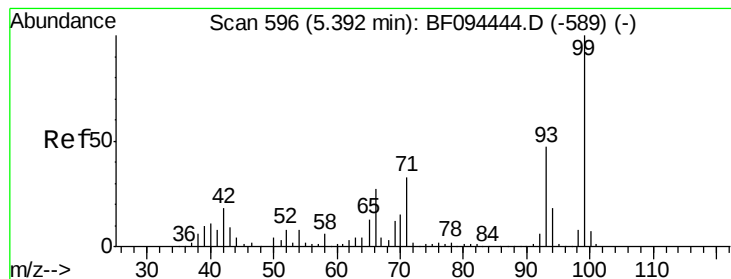
Tot Ion:152 Resp: 156383
 Ion Ratio Lower Upper
 152 100
 150 155.2 126.2 189.2
 115 61.3 52.2 78.2



#5
 2-Fluorophenol
 Concen: 110.57 ng
 RT: 4.31 min Scan# 404
 Delta R.T. 0.01 min
 Lab File: BF094580.D
 Acq: 24 Apr 2017 12:54

Tgt Ion:112 Resp: 1042271
 Ion Ratio Lower Upper
 112 100
 64 57.7 46.0 69.0
 63 29.0 23.4 35.0





#7

Phenol-d6

Concen: 116.04 ng

RT: 5.39 min Scan# 587

Delta R.T. -0.00 min

Lab File: BF094580.D

Acq: 24 Apr 2017 12:54

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-VNJ238-VNJ205-VNJ22

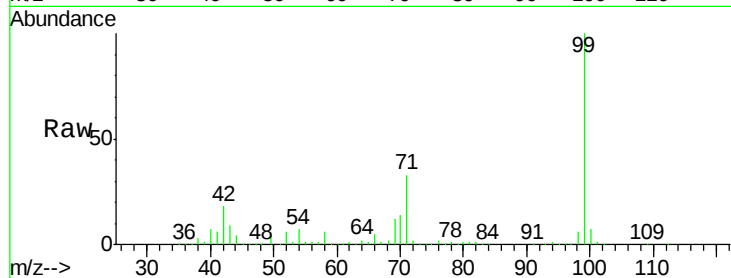
Tot Ion: 99 Resp: 1289446

Ion Ratio Lower Upper

99 100

42 17.6 13.5 20.3

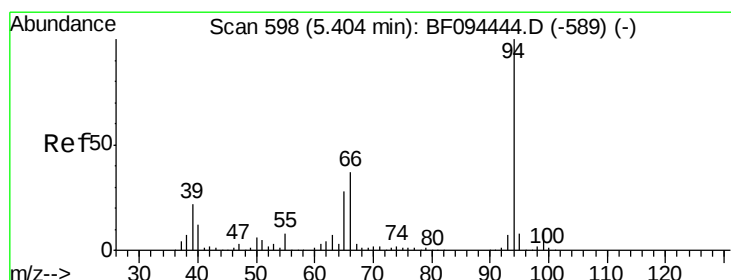
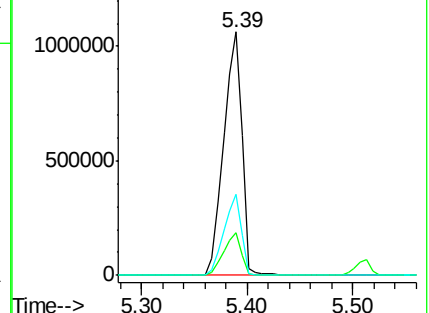
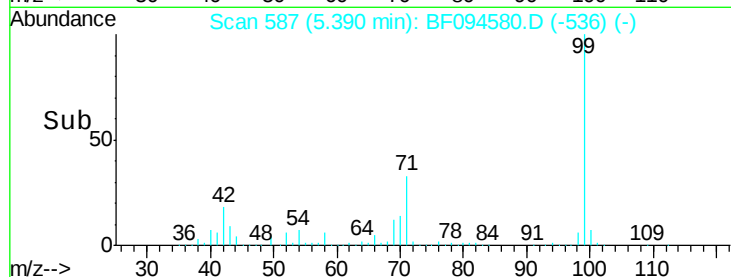
71 33.3 24.5 36.7



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



#10

Phenol

Concen: 5.87 ng

RT: 5.40 min Scan# 589

Delta R.T. -0.00 min

Lab File: BF094580.D

Acq: 24 Apr 2017 12:54

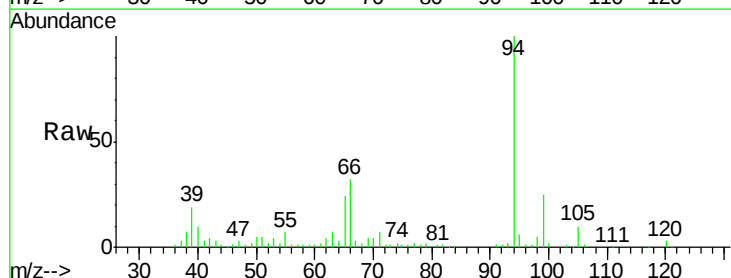
Tgt Ion: 94 Resp: 80072

Ion Ratio Lower Upper

94 100

65 24.0 9.9 49.9

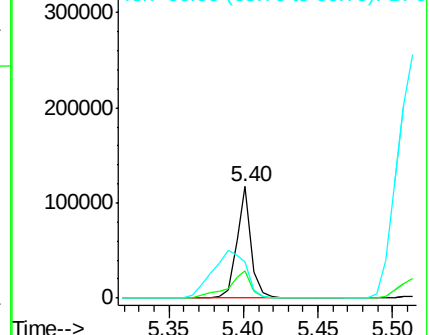
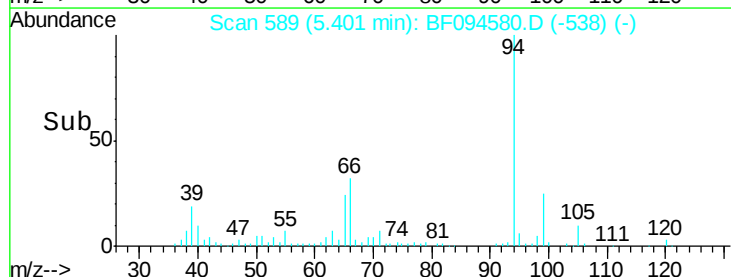
66 32.4 23.1 63.1

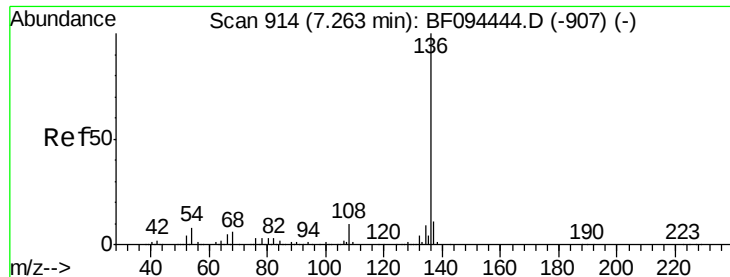


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF094580.D

Acq: 24 Apr 2017 12:54

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-VNJ238-VNJ205-VNJ22

Tot Ion:136 Resp: 603064

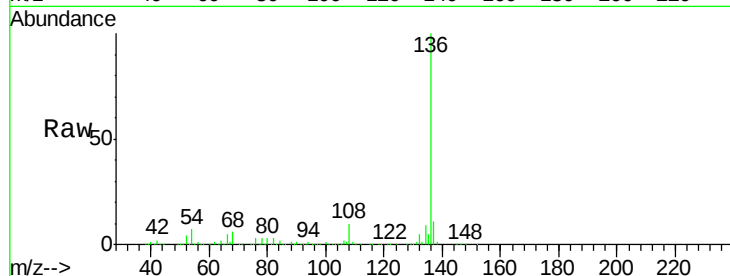
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.1 4.9 7.3

68 5.7 4.1 6.1

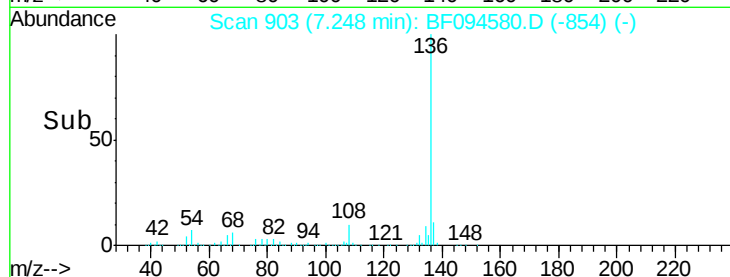


Abundance Ion 136.00 (135.70 to 136.70): E

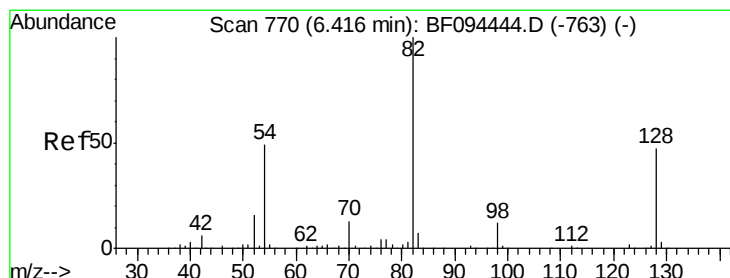
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 7.15 7.20 7.25 7.30 7.35



#23

Nitrobenzene-d5

Concen: 80.62 ng

RT: 6.41 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF094580.D

Acq: 24 Apr 2017 12:54

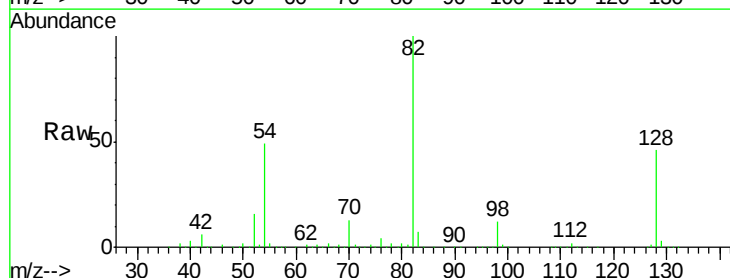
Tgt Ion: 82 Resp: 787391

Ion Ratio Lower Upper

82 100

128 46.1 34.0 51.0

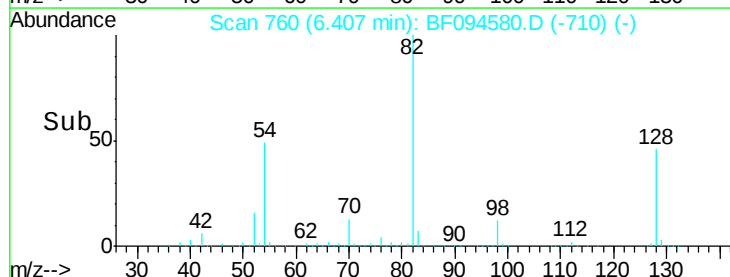
54 48.8 42.2 63.2



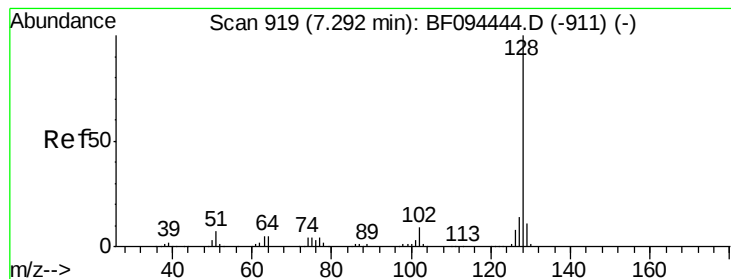
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time--> 6.30 6.40 6.50



#31

Naphthalene

Concen: 5.40 ng

RT: 7.27 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF094580.D

Acq: 24 Apr 2017 12:54

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-VNJ238-VNJ205-VNJ22

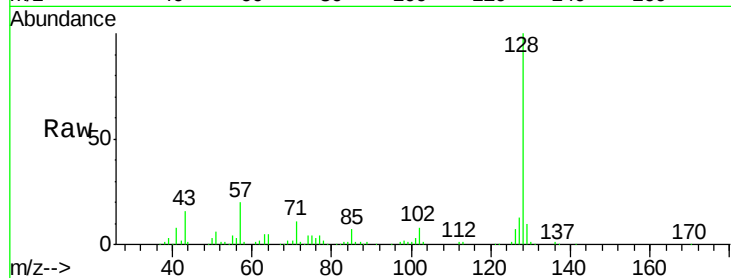
Tot Ion:128 Resp: 156553

Ion Ratio Lower Upper

128 100

129 9.9 9.0 13.6

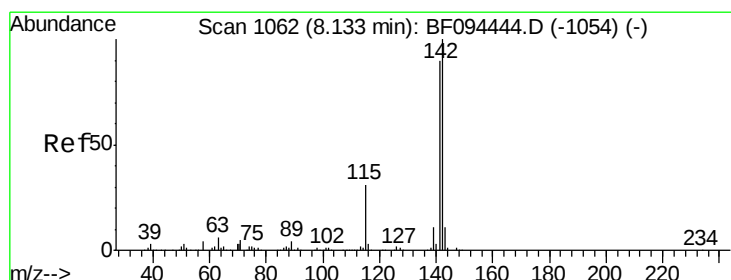
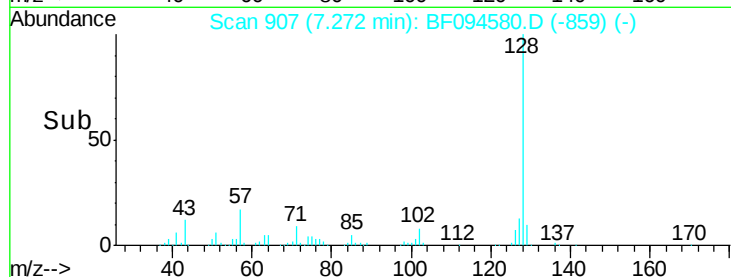
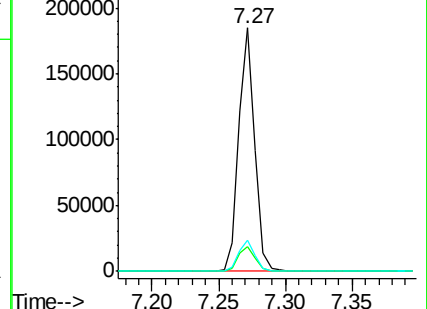
127 12.8 10.8 16.2



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: 7.00 ng

RT: 8.11 min Scan# 1050

Delta R.T. -0.02 min

Lab File: BF094580.D

Acq: 24 Apr 2017 12:54

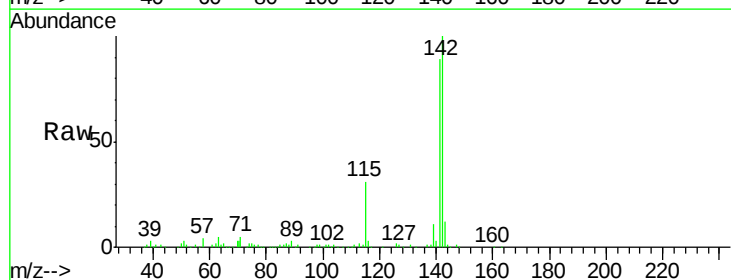
Tgt Ion:142 Resp: 138778

Ion Ratio Lower Upper

142 100

141 89.3 71.3 106.9

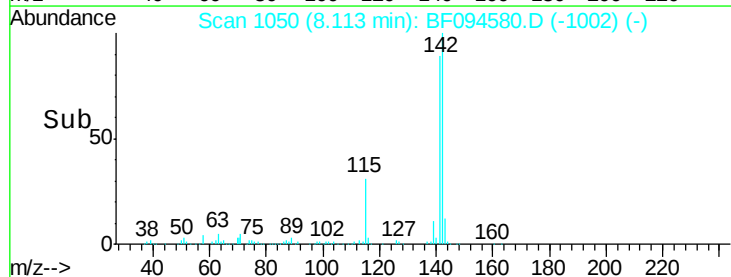
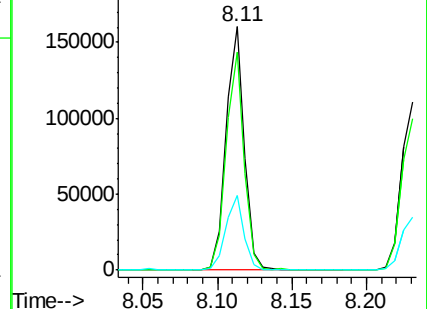
115 30.6 27.1 40.7

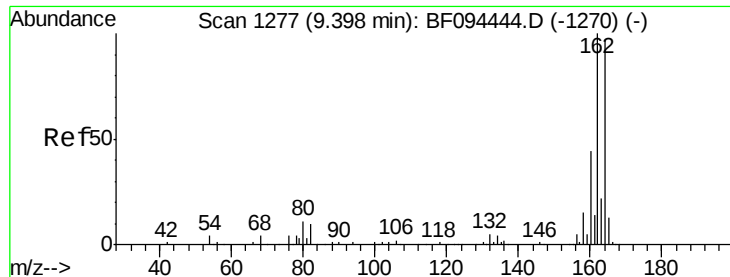


Abundance Ion 142.00 (141.70 to 142.70): E

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: BF094580.D

Acq: 24 Apr 2017 12:54

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-VNJ238-VNJ205-VNJ22

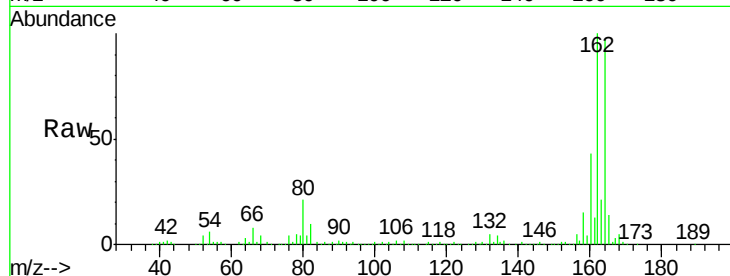
Tot Ion:164 Resp: 254513

Ion Ratio Lower Upper

164 100

162 103.1 82.6 123.8

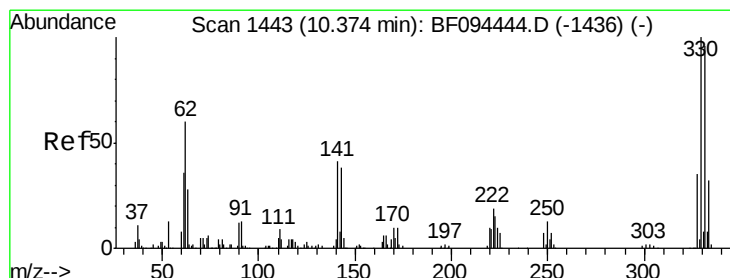
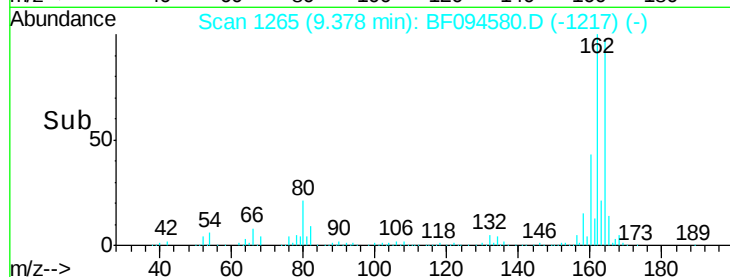
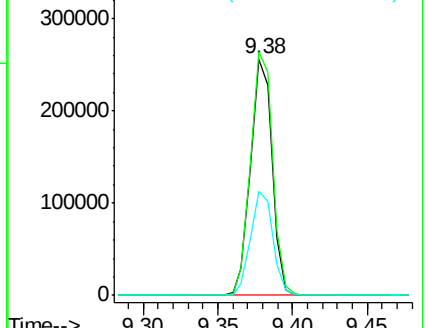
160 44.0 36.2 54.2



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: 113.38 ng

RT: 10.36 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF094580.D

Acq: 24 Apr 2017 12:54

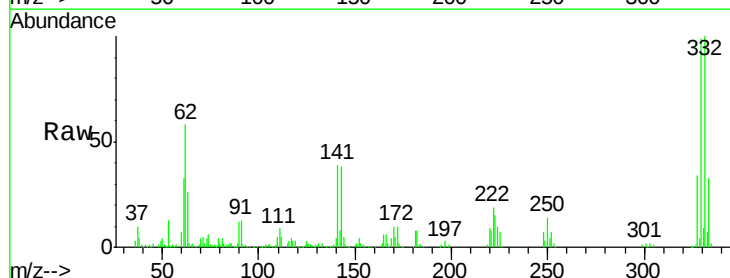
Tgt Ion:330 Resp: 225711

Ion Ratio Lower Upper

330 100

332 97.2 76.6 115.0

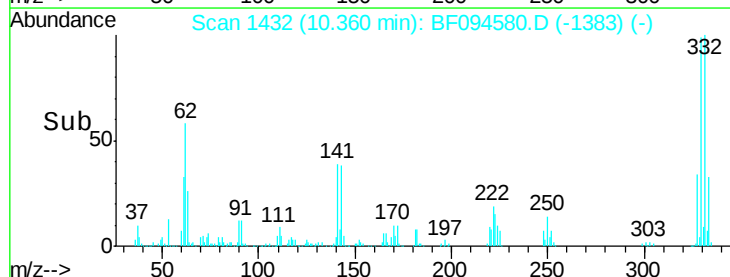
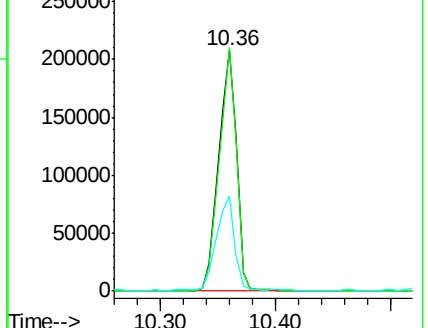
141 39.5 31.4 47.2

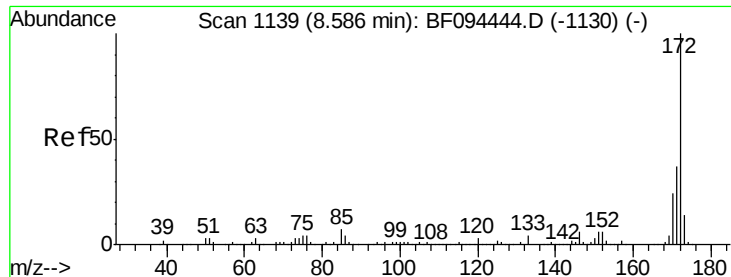


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



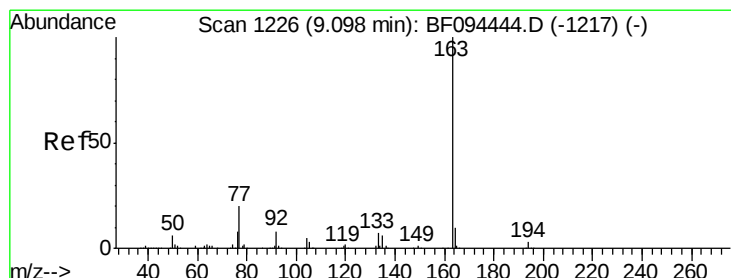
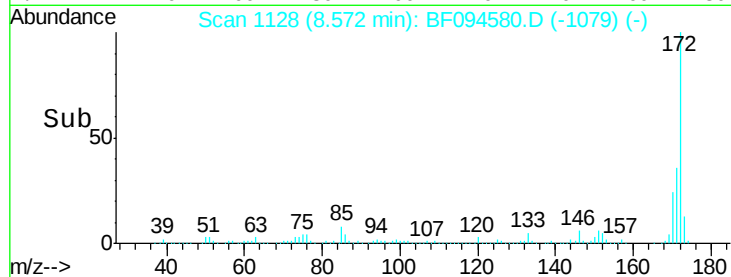
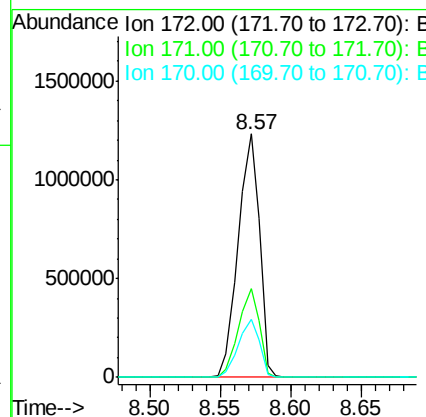
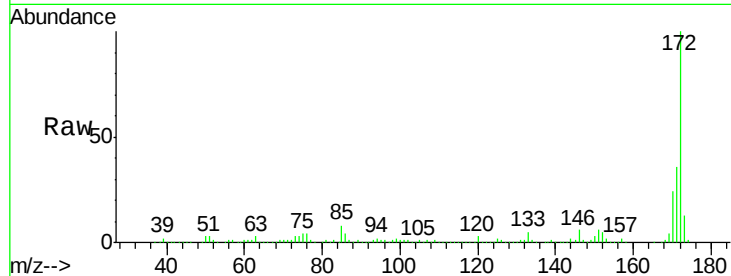


#44
 2-Fluorobiphenyl
 Concen: 75.03 ng
 RT: 8.57 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF094580.D
 Acq: 24 Apr 2017 12:54

Instrument :
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 ROLLOFFS-VNJ238-VNJ205-VNJ22

Tot Ion:172 Resp: 1297905

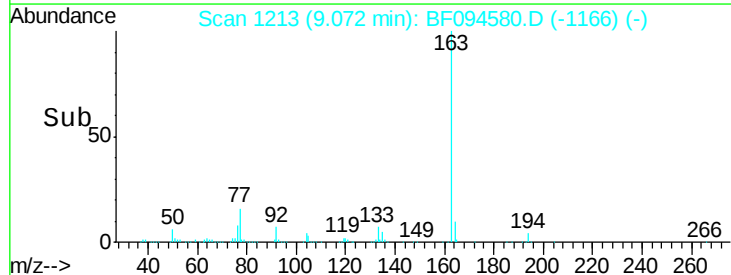
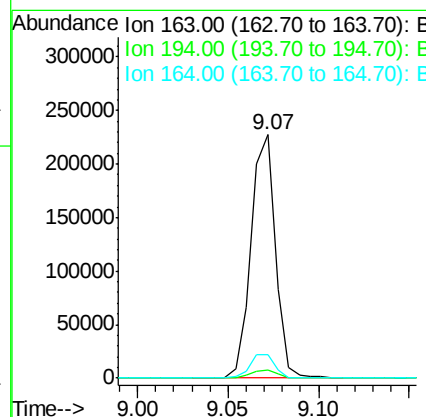
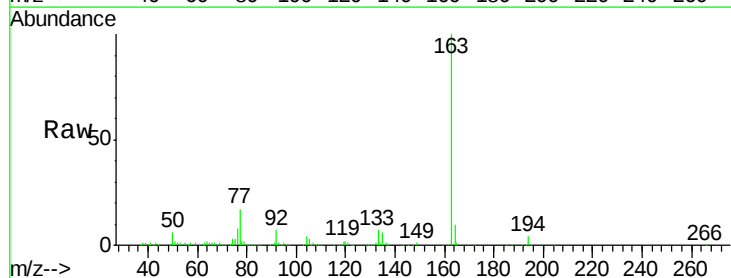
Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.1	19.8	29.8

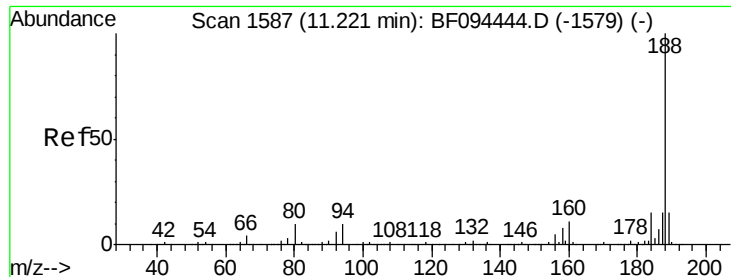


#49
 Dimethylphthalate
 Concen: 11.22 ng
 RT: 9.07 min Scan# 1213
 Delta R.T. -0.03 min
 Lab File: BF094580.D
 Acq: 24 Apr 2017 12:54

Tgt Ion:163 Resp: 212810

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.8	8.4	12.6

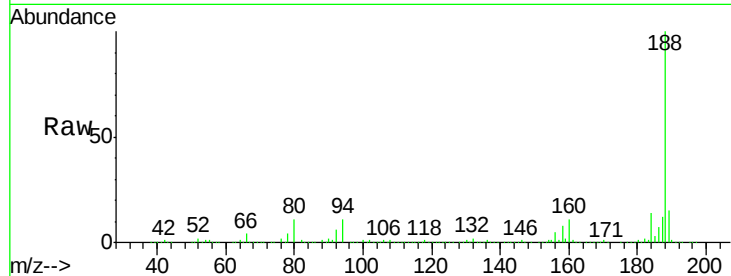




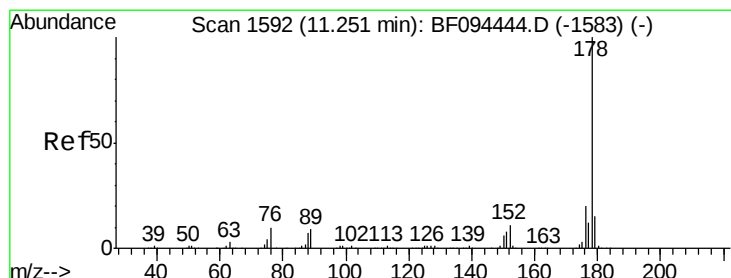
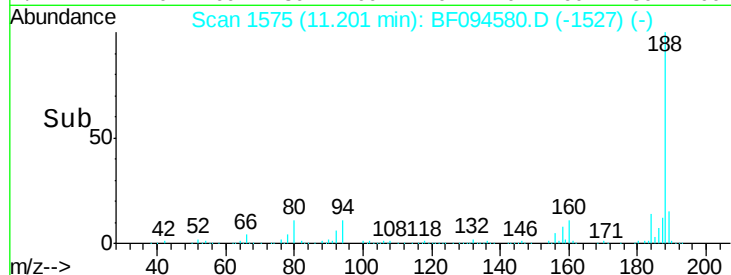
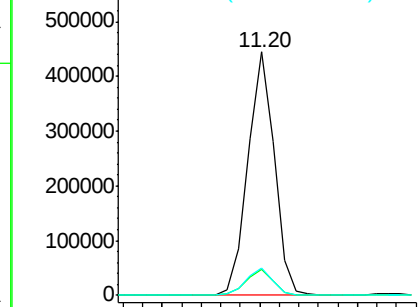
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF094580.D
Acq: 24 Apr 2017 12:54

Instrument :
BNA_F
ClientSampleId :
ROLLOFFS-VNJ238-VNJ205-VNJ22

Tot Ion:188 Resp: 417764
Ion Ratio Lower Upper
188 100
94 10.6 9.4 14.2
80 11.4 10.2 15.2

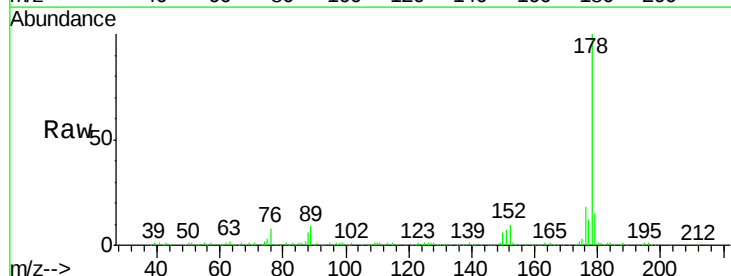


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

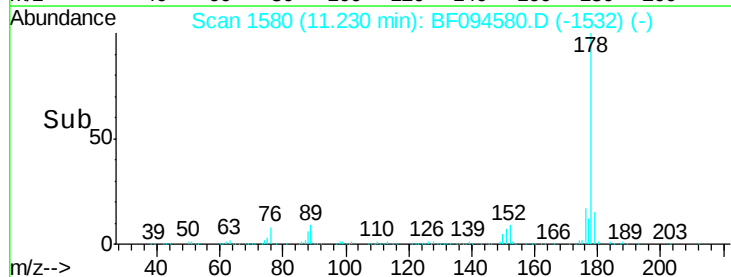
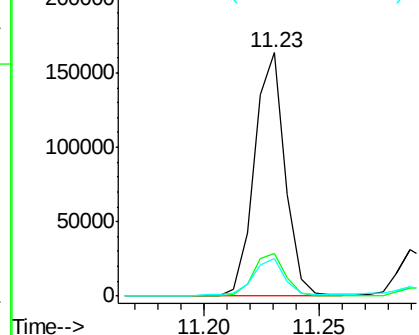


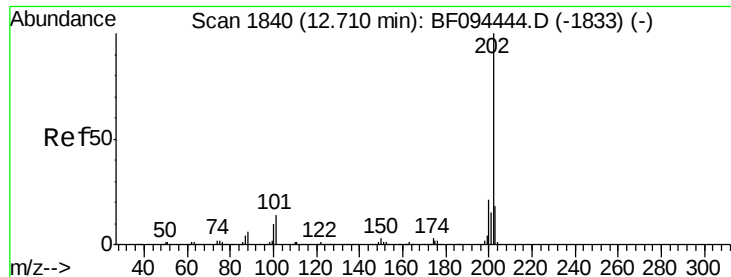
#70
Phenanthrene
Concen: 6.46 ng
RT: 11.23 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF094580.D
Acq: 24 Apr 2017 12:54

Tgt Ion:178 Resp: 152081
Ion Ratio Lower Upper
178 100
176 17.5 16.2 24.4
179 15.5 12.6 19.0



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





#74

Fluoranthene

Concen: 7.92 ng

RT: 12.69 min Scan# 1828

Delta R.T. -0.02 min

Lab File: BF094580.D

Acq: 24 Apr 2017 12:54

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-VNJ238-VNJ205-VNJ22

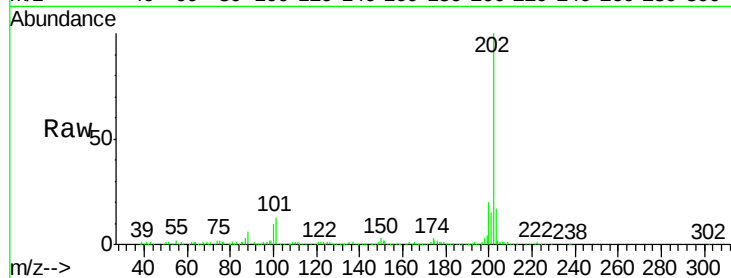
Tot Ion:202 Resp: 193152

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

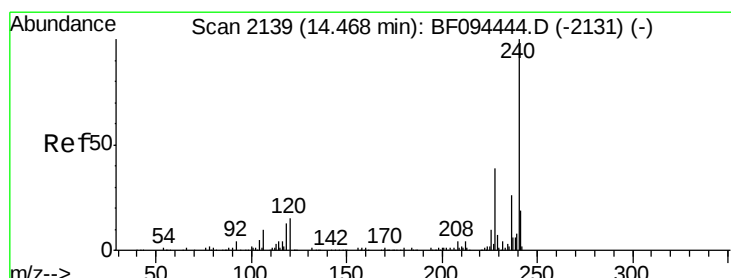
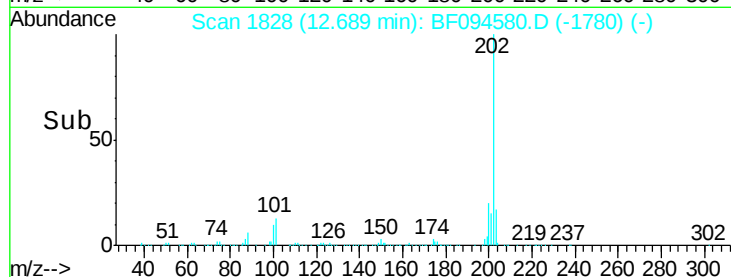
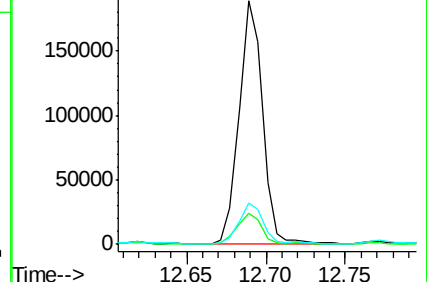
203 17.2 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.45 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF094580.D

Acq: 24 Apr 2017 12:54

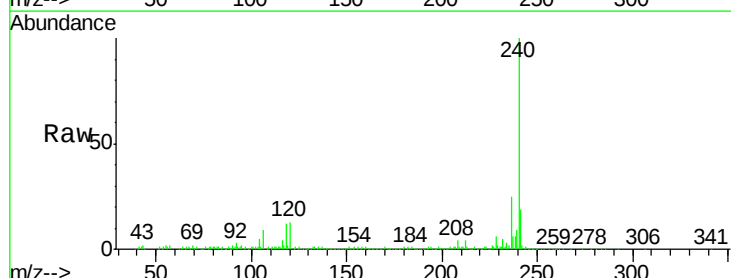
Tgt Ion:240 Resp: 276536

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

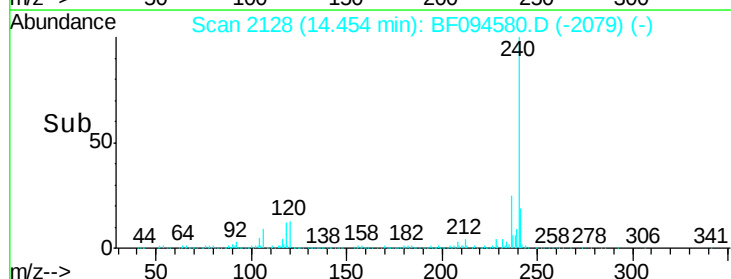
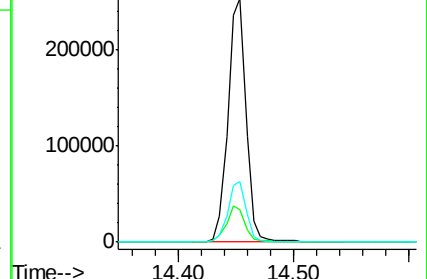
236 25.0 20.5 30.7

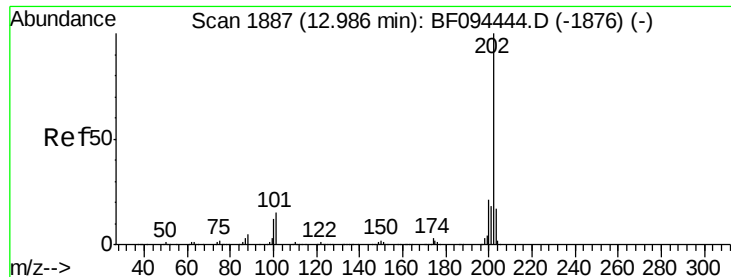


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 9.42 ng

RT: 12.97 min Scan# 1875

Delta R.T. -0.02 min

Lab File: BF094580.D

Acq: 24 Apr 2017 12:54

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-VNJ238-VNJ205-VNJ22

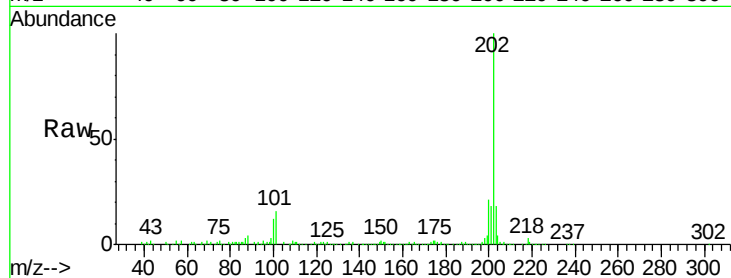
Tot Ion:202 Resp: 181905

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

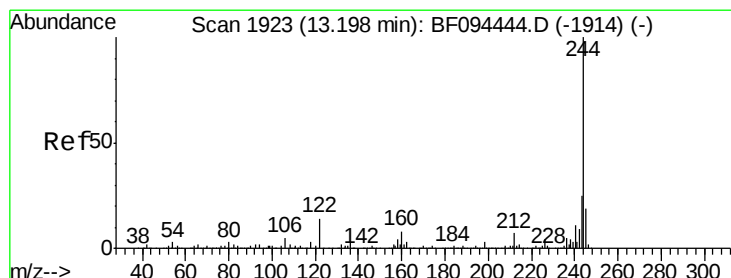
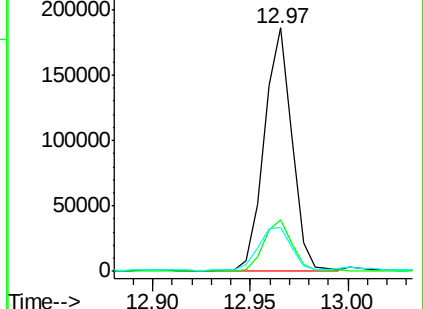
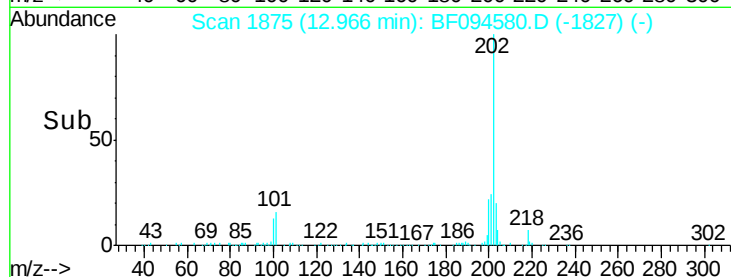
203 18.3 14.4 21.6



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: 81.09 ng

RT: 13.18 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BF094580.D

Acq: 24 Apr 2017 12:54

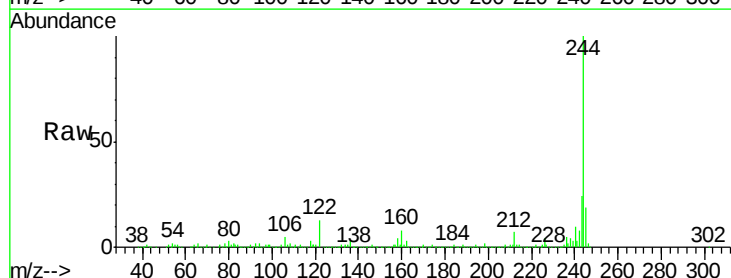
Tgt Ion:244 Resp: 838928

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

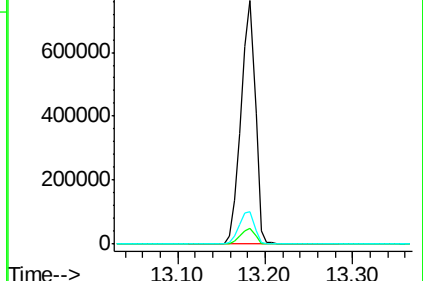
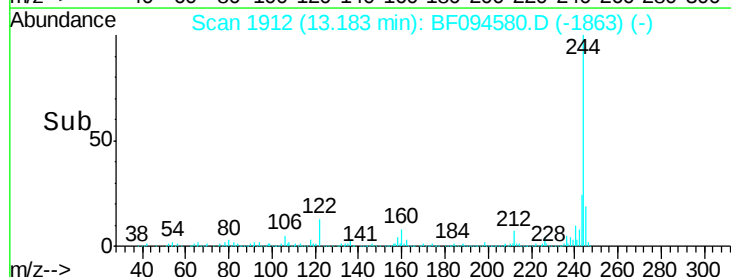
122 13.4 10.3 15.5

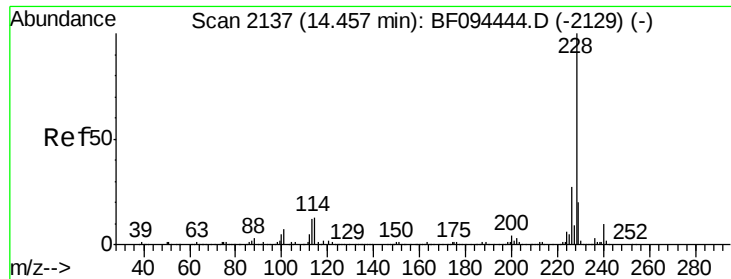


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

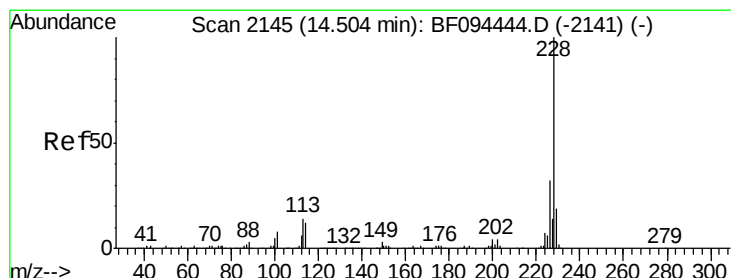
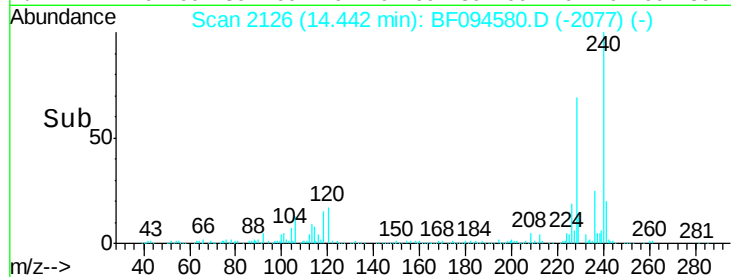
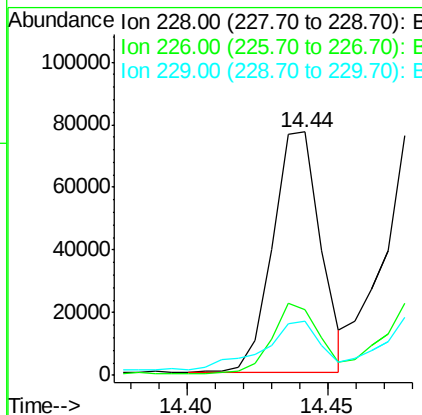
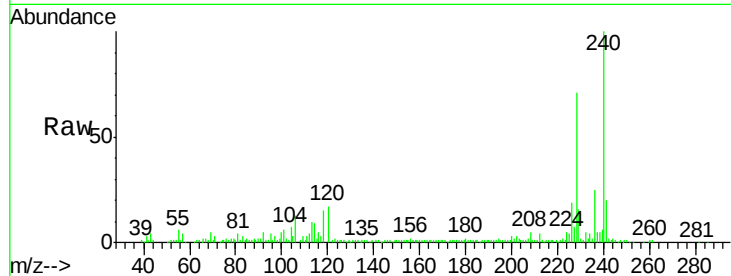




#80
Benzo(a)anthracene
Concen: 5.65 ng
RT: 14.44 min Scan# 2126
Delta R.T. -0.01 min
Lab File: BF094580.D
Acq: 24 Apr 2017 12:54

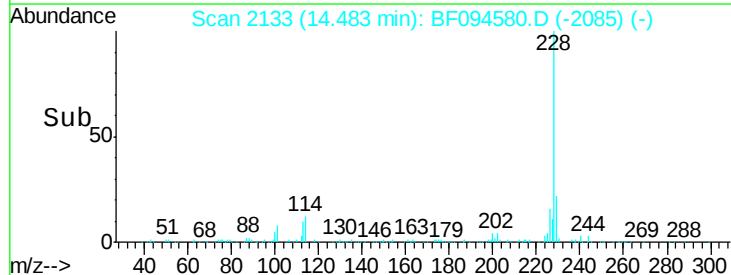
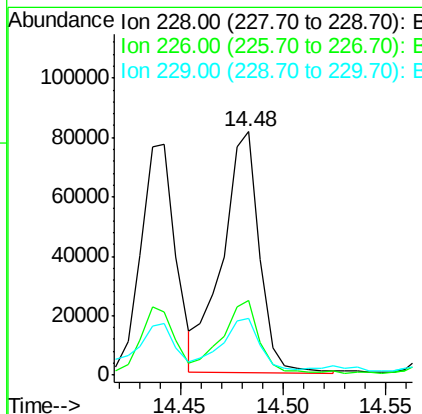
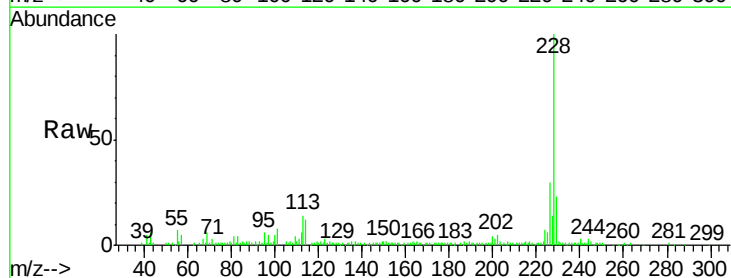
Instrument :
BNA_F
ClientSampleId :
ROLLOFFS-VNJ238-VNJ205-VNJ22

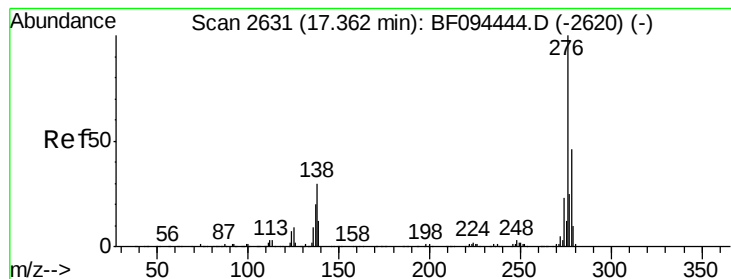
Tot Ion:228 Resp: 90851
Ion Ratio Lower Upper
228 100
226 27.2 22.6 33.8
229 22.4 16.3 24.5



#82
Chrysene
Concen: 7.04 ng m
RT: 14.48 min Scan# 2133
Delta R.T. -0.02 min
Lab File: BF094580.D
Acq: 24 Apr 2017 12:54

Tgt Ion:228 Resp: 103387
Ion Ratio Lower Upper
228 100
226 30.4 24.9 37.3
229 23.2 15.8 23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.80 ng

RT: 17.35 min Scan# 2621

Delta R.T. -0.01 min

Lab File: BF094580.D

Acq: 24 Apr 2017 12:54

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-VNJ238-VNJ205-VNJ22

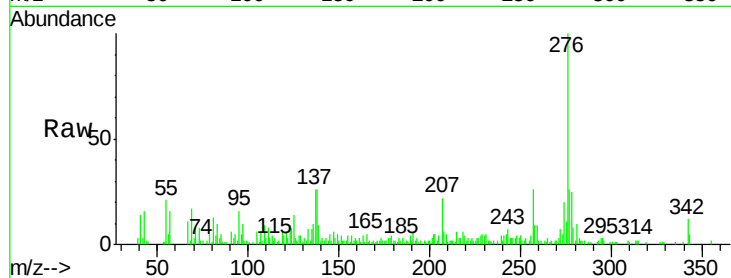
Tot Ion:276 Resp: 53128

Ion Ratio Lower Upper

276 100

138 33.1 27.8 41.6

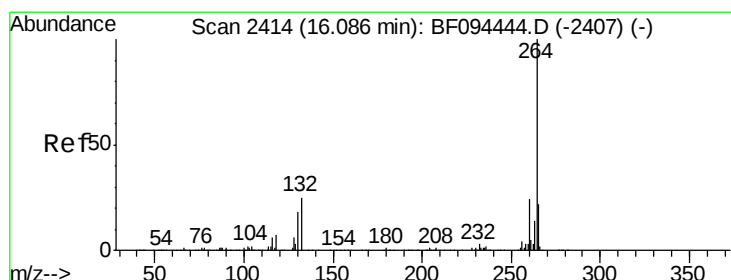
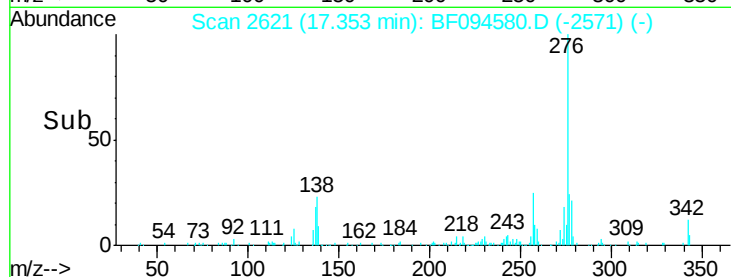
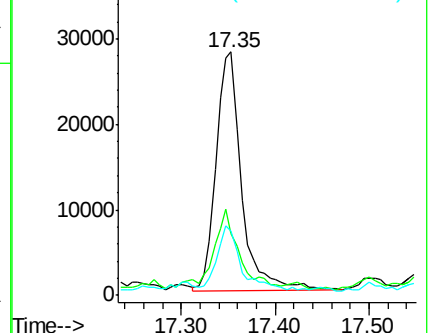
277 25.0 20.2 30.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.08 min Scan# 2404

Delta R.T. -0.01 min

Lab File: BF094580.D

Acq: 24 Apr 2017 12:54

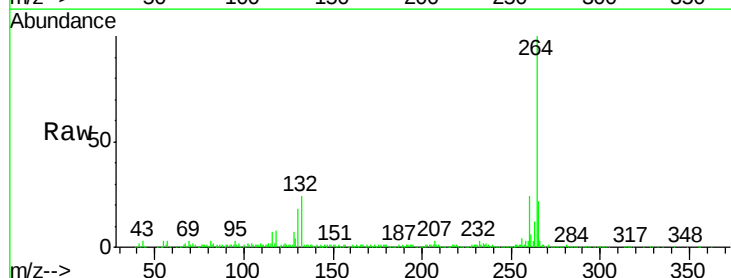
Tgt Ion:264 Resp: 251938

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

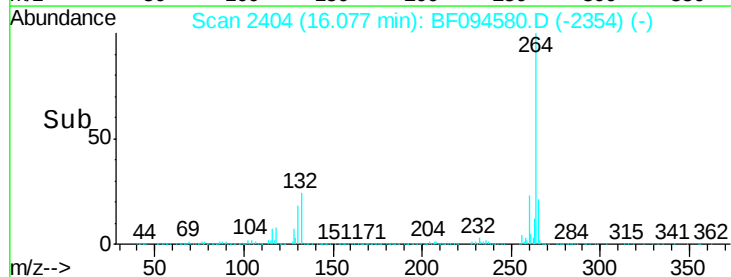
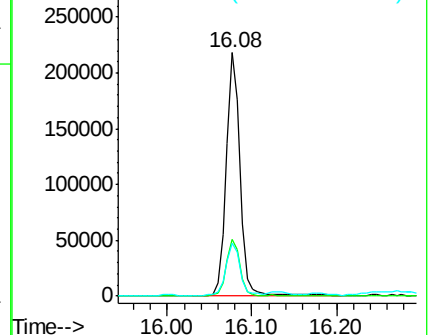
265 21.6 17.2 25.8

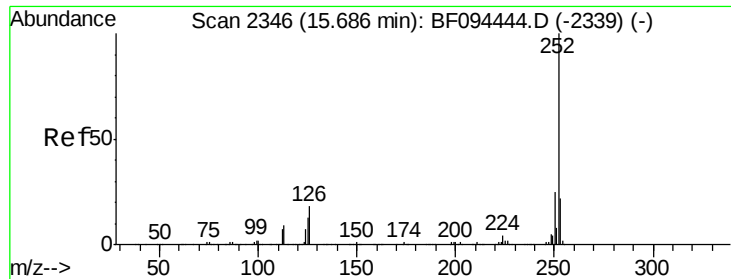


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 7.74 ng m

RT: 15.68 min Scan# 2336

Delta R.T. -0.01 min

Lab File: BF094580.D

Acq: 24 Apr 2017 12:54

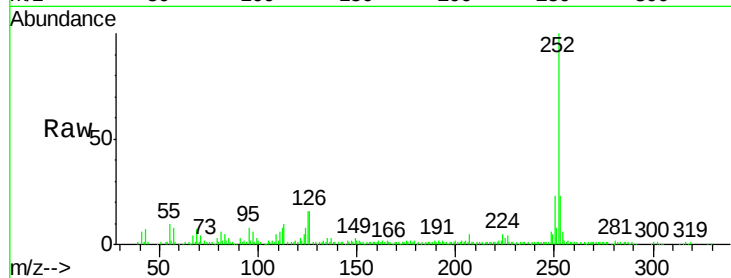
Instrument :

BNA_F

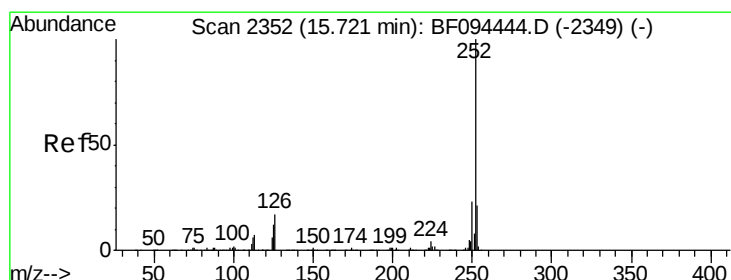
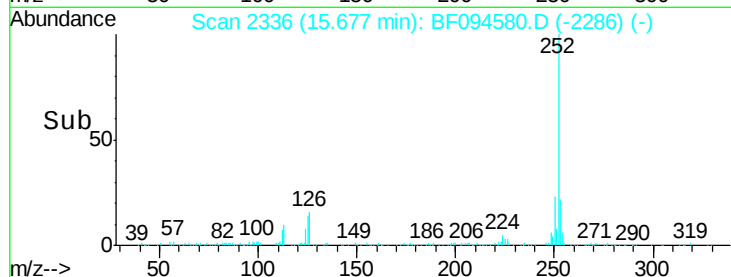
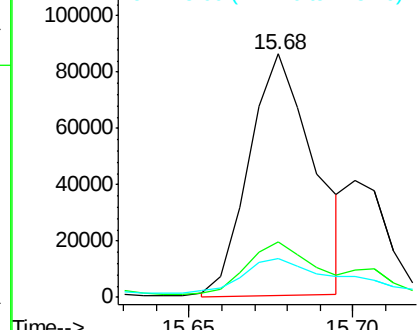
ClientSampleId :

ROLLOFFS-VNJ238-VNJ205-VNJ22

Tot Ion:252	Resp:	119344
Ion Ratio	Lower	Upper
252	100	
253	22.6	18.1 27.1
125	15.7	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: 2.38 ng m

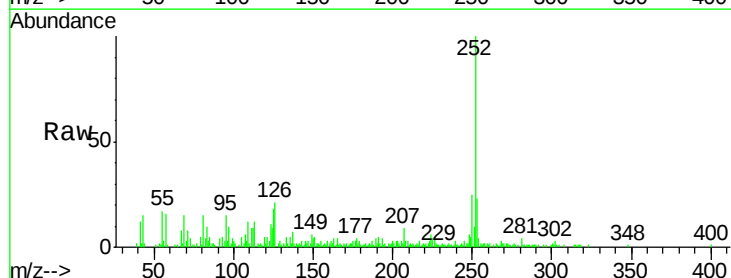
RT: 15.70 min Scan# 2340

Delta R.T. -0.02 min

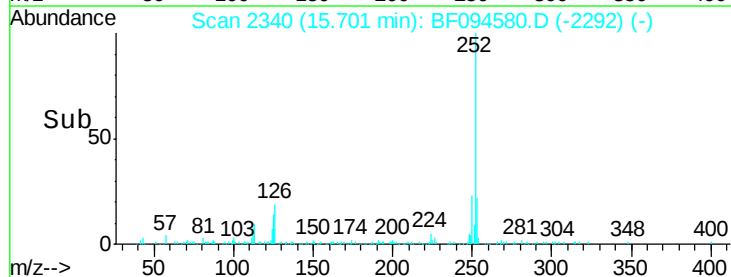
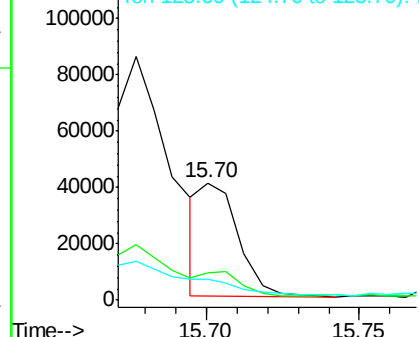
Lab File: BF094580.D

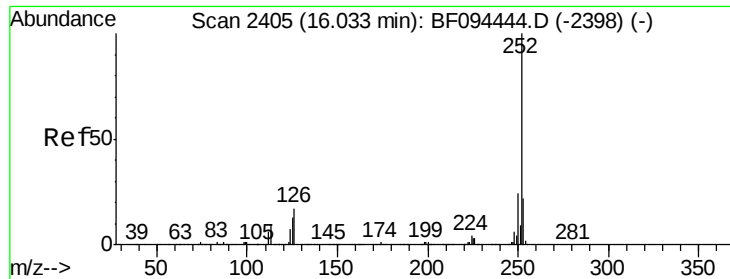
Acq: 24 Apr 2017 12:54

Tgt Ion:252	Resp:	34774
Ion Ratio	Lower	Upper
252	100	
253	23.2	18.4 27.6
125	17.9	13.1 19.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.89 ng

RT: 16.02 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BF094580.D

Acq: 24 Apr 2017 12:54

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-VNJ238-VNJ205-VNJ22

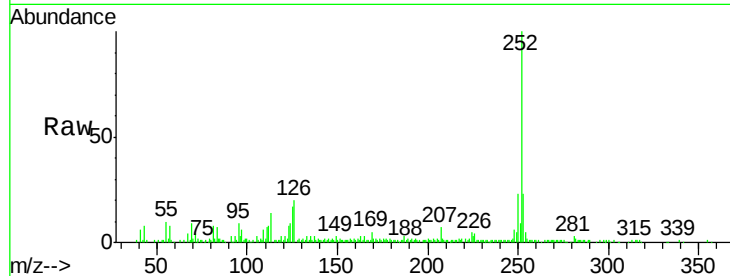
Tot Ion:252 Resp: 84442

Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

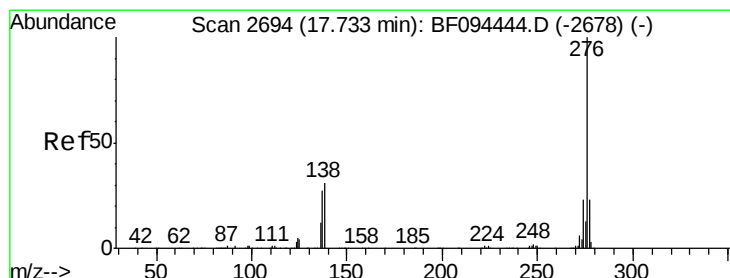
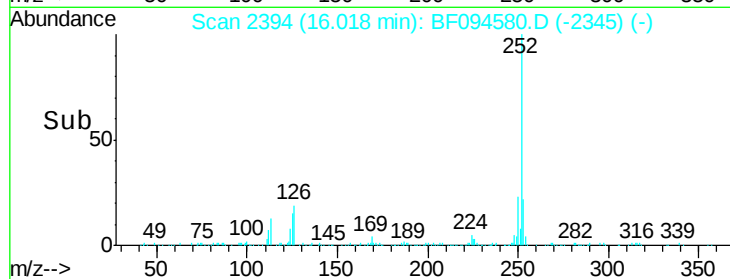
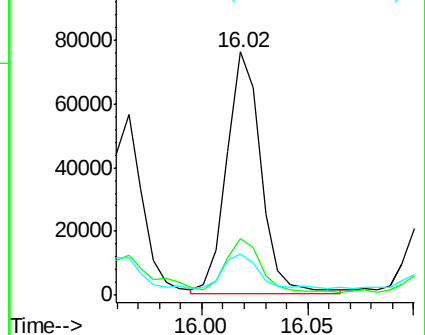
125 16.9 11.0 16.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 4.49 ng

RT: 17.72 min Scan# 2683

Delta R.T. -0.01 min

Lab File: BF094580.D

Acq: 24 Apr 2017 12:54

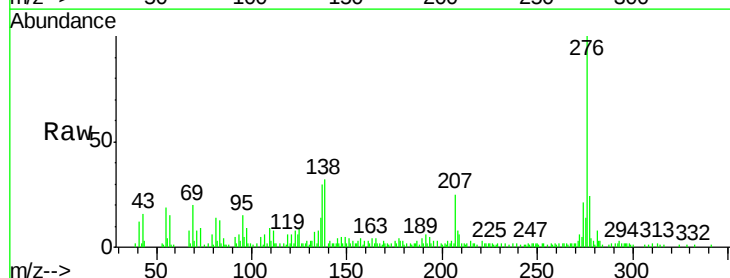
Tgt Ion:276 Resp: 54423

Ion Ratio Lower Upper

276 100

277 24.3 18.6 28.0

138 32.2 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

