

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 01:03:29 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

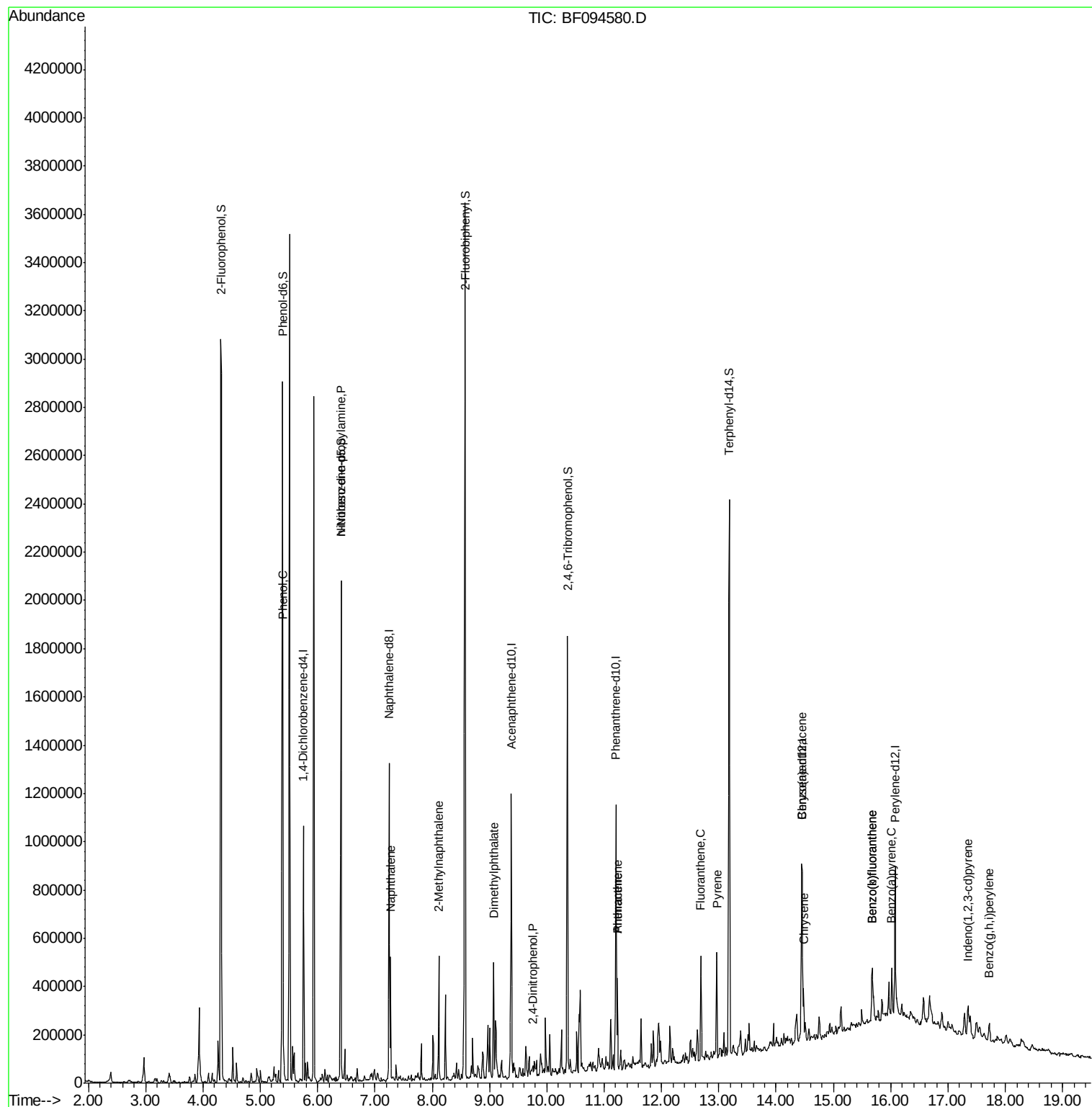
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	156383	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	603064	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	254513	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	417764	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	276536	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
19) n-Nitroso-di-n-propylamine	6.41	70	103250	14.02	ng	# 78
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
53) 2,4-Dinitrophenol	9.74	184	308	5.88	ng	# 4
70) Phenanthrene	11.23	178	152081	6.46	ng	96
71) Anthracene	11.23	178	152081	6.25	ng	97
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	97534	6.64	ng	96
85) Indeno(1,2,3-cd)pyrene	17.35	276	53128	3.80	ng	98
87) Benzo(b)fluoranthene	15.68	252	156027	10.12	ng	# 97
88) Benzo(k)fluoranthene	15.68	252	156027	10.70	ng	99
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

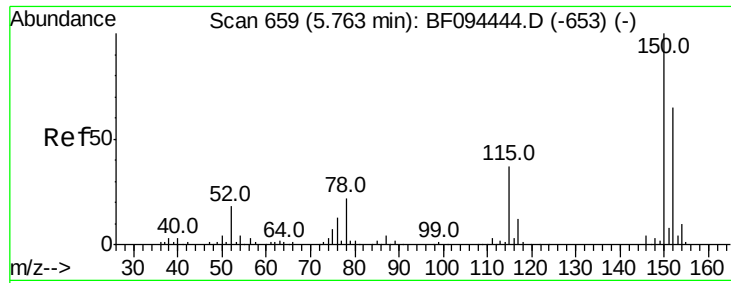
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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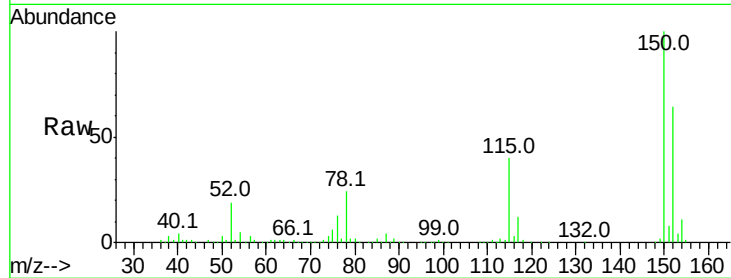


#1

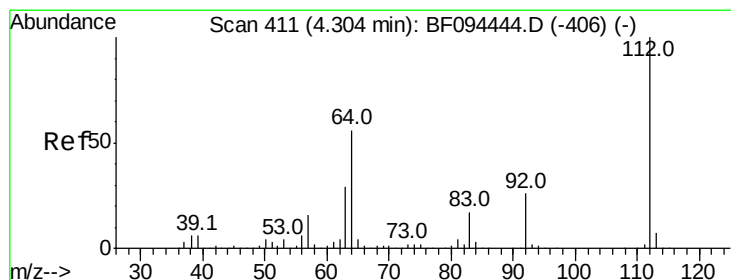
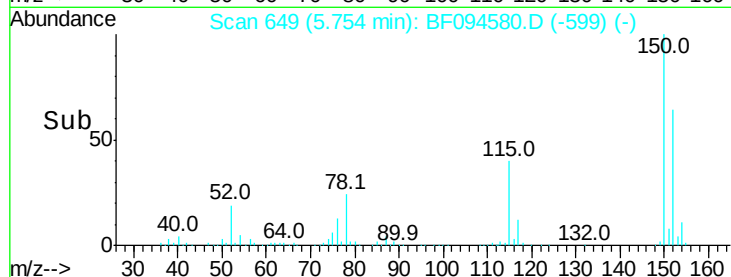
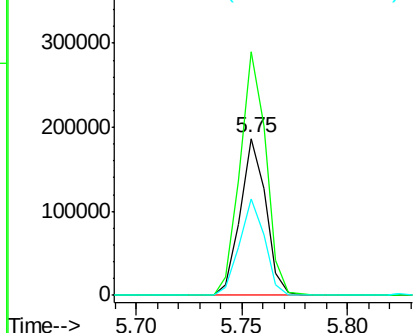
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF094580.D
Acq: 24 Apr 2017 12:54

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



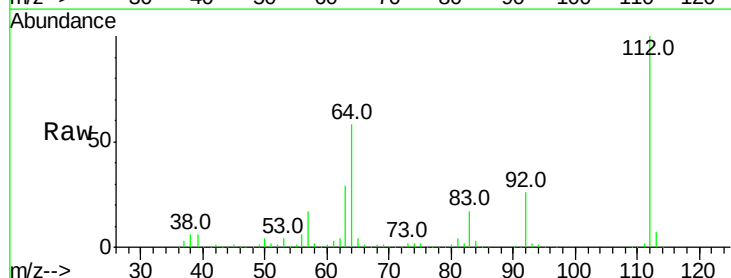
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



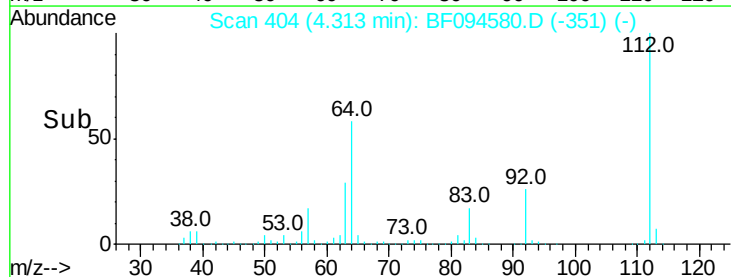
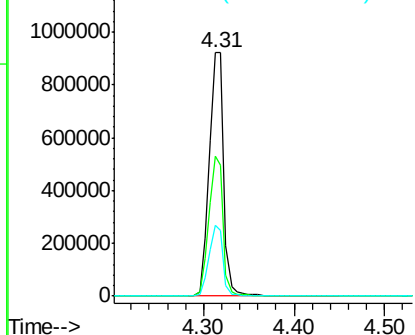
#5

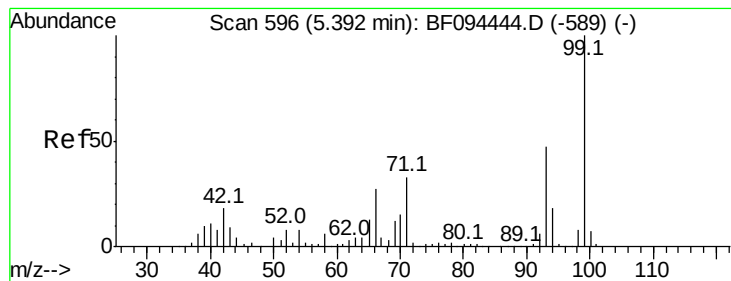
2-Fluorophenol
Concen: 110.57 ng
RT: 4.31 min Scan# 404
Delta R.T. 0.01 min
Lab File: BF094580.D
Acq: 24 Apr 2017 12:54

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



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: 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

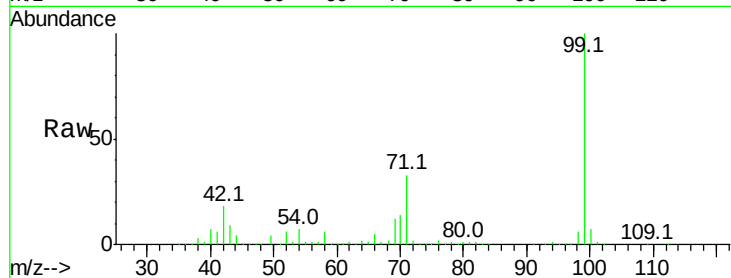
Tot Ion: 99 Resp: 1289446

Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.5	20.3
71	33.3	24.5	36.7

99 100

42 17.6 13.5 20.3

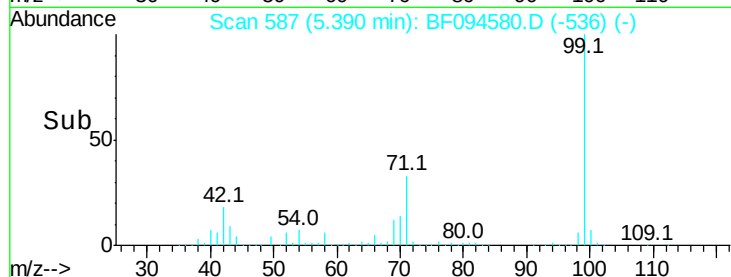
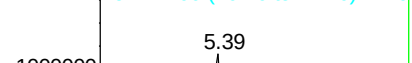
71 33.3 24.5 36.7



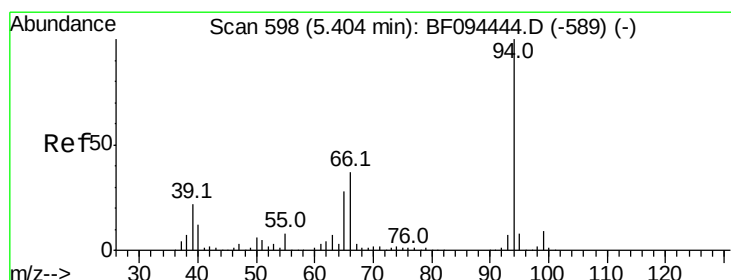
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#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

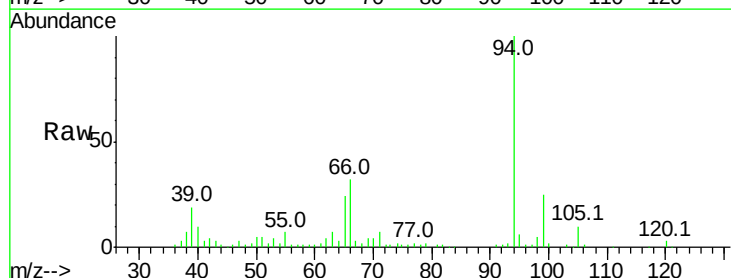
Tgt Ion: 94 Resp: 80072

Ion	Ratio	Lower	Upper
94	100		
65	24.0	9.9	49.9
66	32.4	23.1	63.1

94 100

65 24.0 9.9 49.9

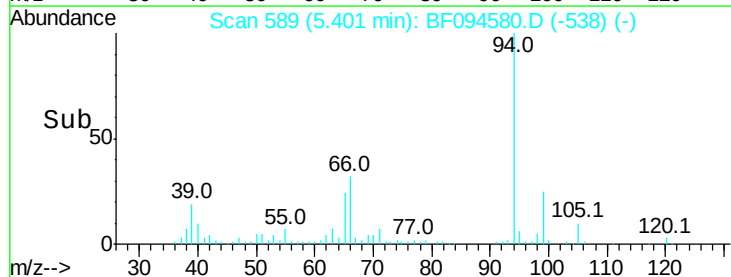
66 32.4 23.1 63.1



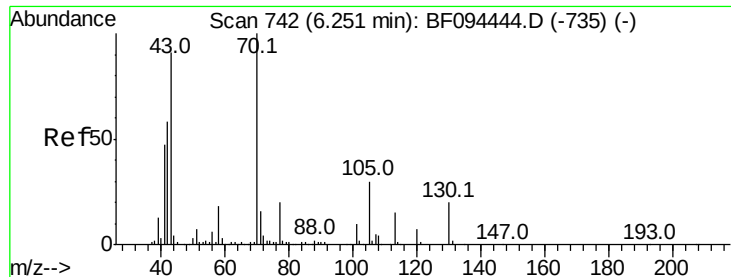
Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



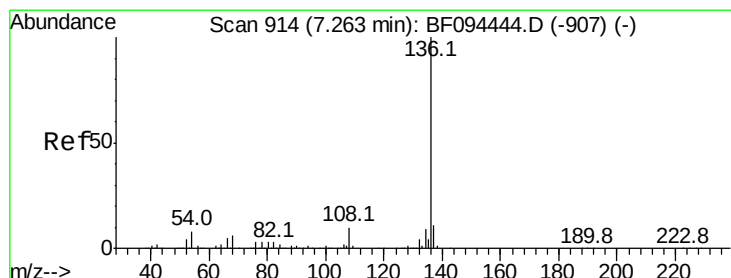
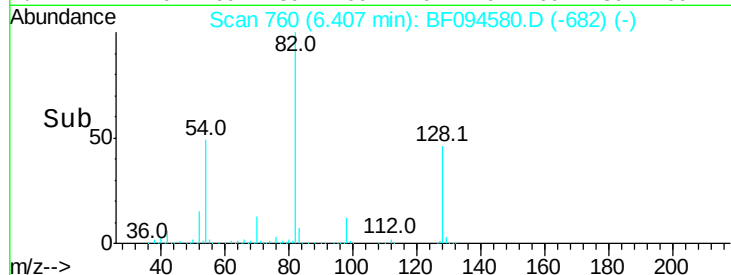
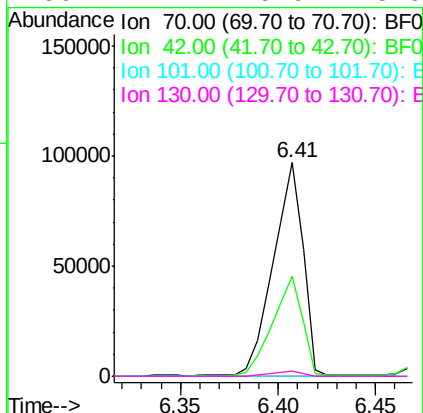
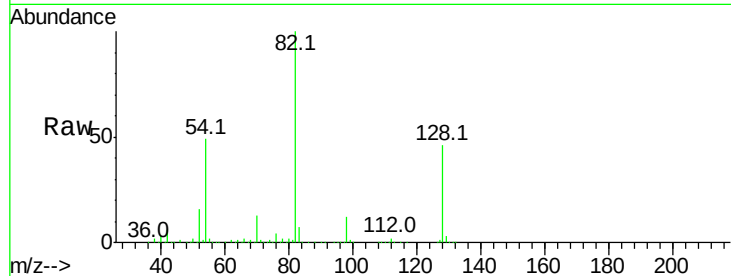
Time-->



#19
n-Nitroso-di-n-propylamine
Concen: 14.02 ng
RT: 6.41 min Scan# 760
Delta R.T. 0.16 min
Lab File: BF094580.D
Acq: 24 Apr 2017 12:54

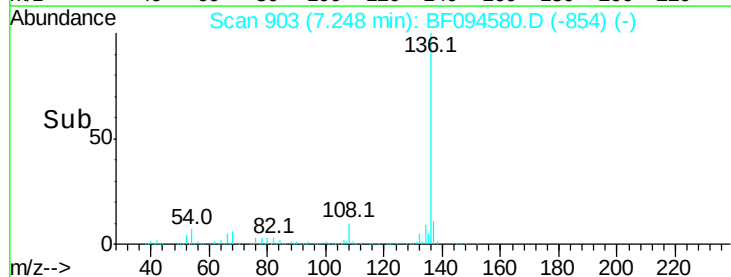
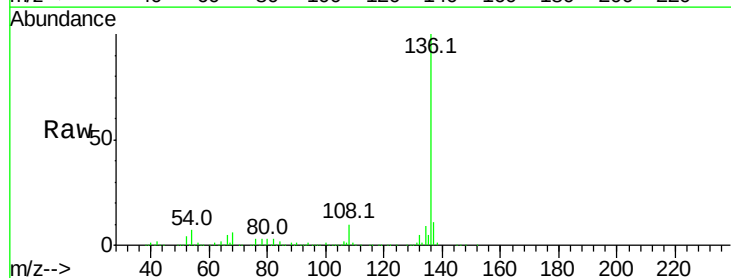
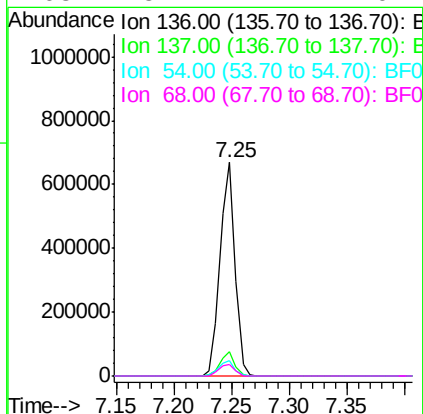
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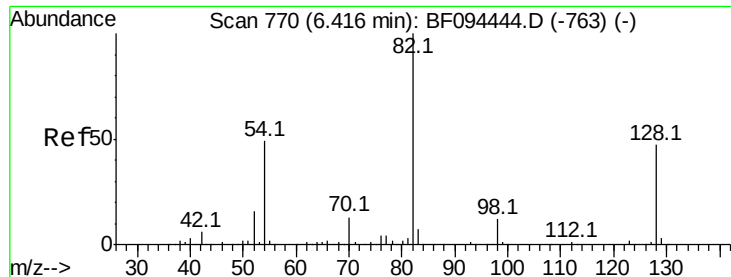
Tot Ion: 70 Resp: 103250
Ion Ratio Lower Upper
70 100
42 46.7 47.2 70.8#
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.25 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF094580.D
Acq: 24 Apr 2017 12:54

Tgt 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





#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

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-VNJ238-VNJ205-VNJ22

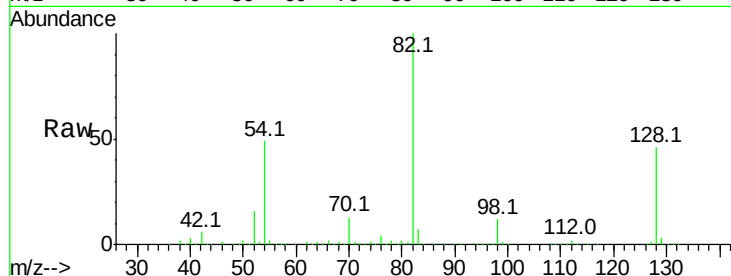
Tot Ion: 82 Resp: 787391

Ion Ratio Lower Upper

82 100

128 46.1 34.0 51.0

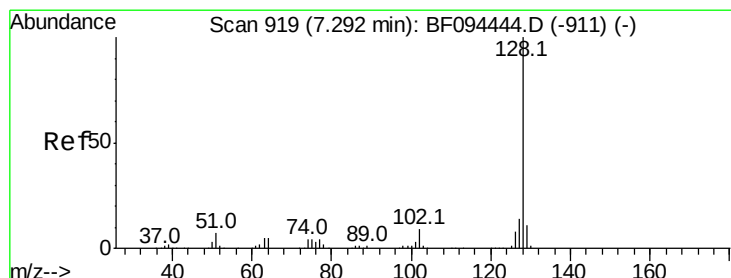
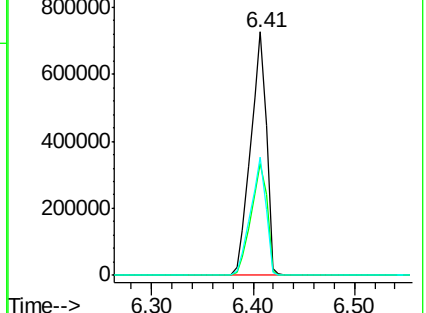
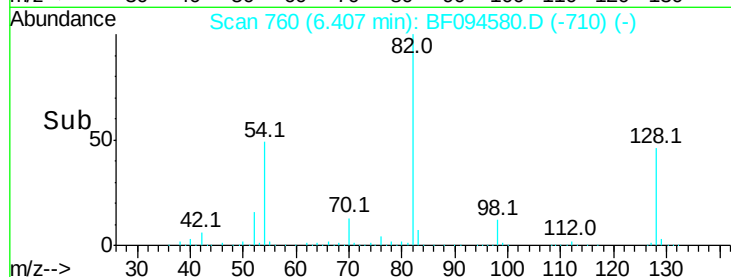
54 48.8 42.2 63.2



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



#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

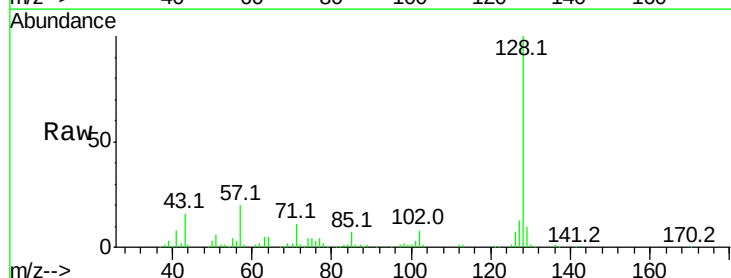
Tgt Ion:128 Resp: 156553

Ion Ratio Lower Upper

128 100

129 9.9 9.0 13.6

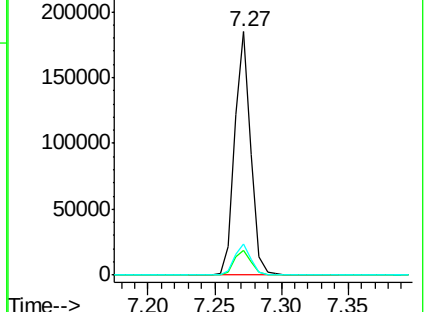
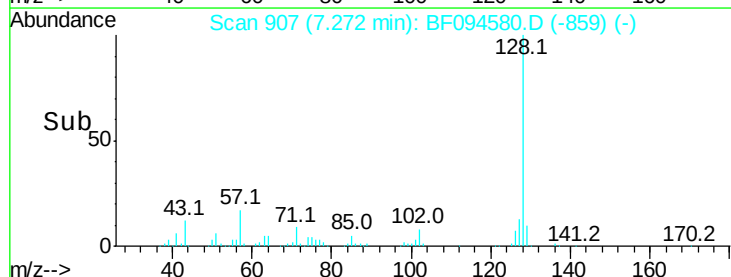
127 12.8 10.8 16.2

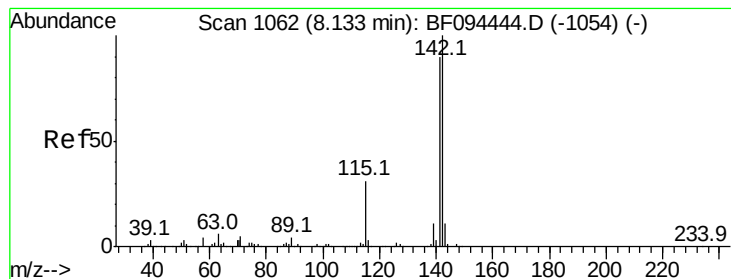


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

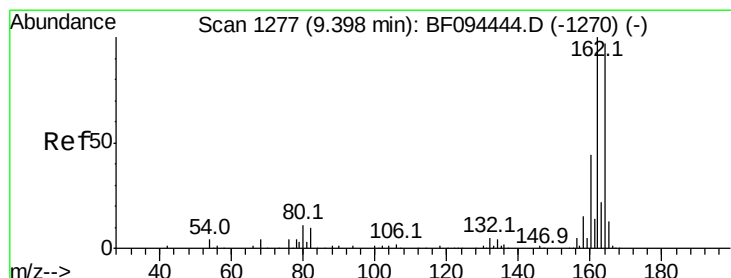
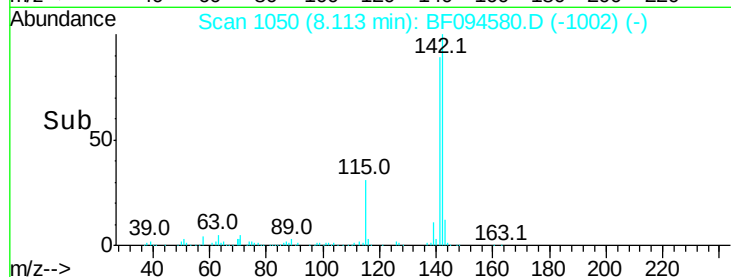
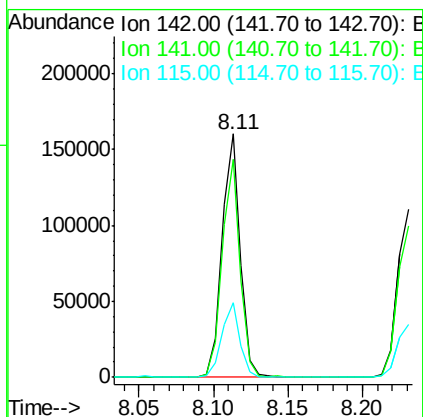
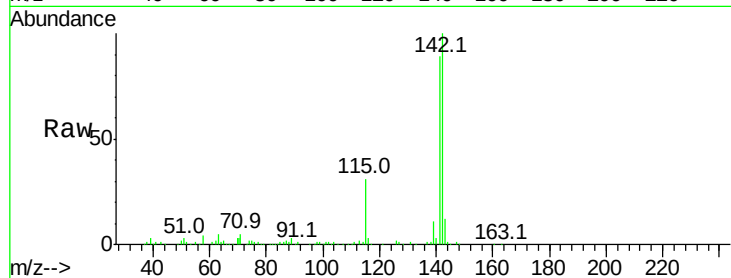




#37
 2-Methylnaphthalene
 Concen: 7.00 ng
 RT: 8.11 min Scan# 1050
 Delta R.T. -0.02 min
 Lab File: BF094580.D
 Acq: 24 Apr 2017 12:54

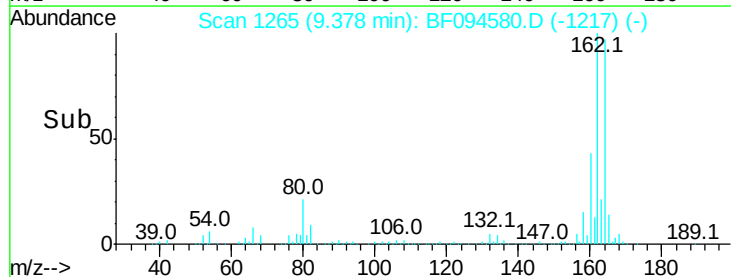
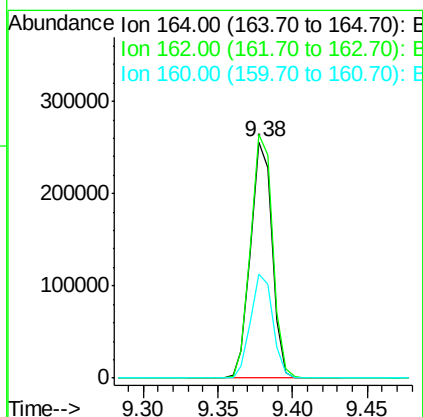
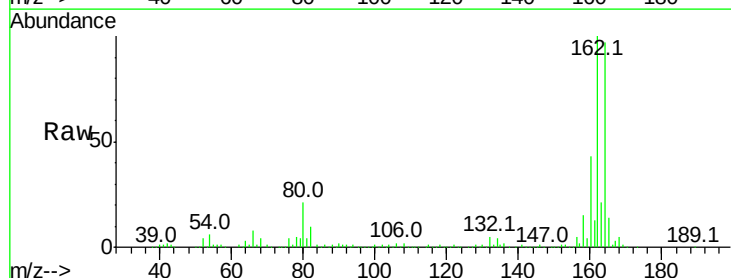
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 ROLLOFFS-VNJ238-VNJ205-VNJ22

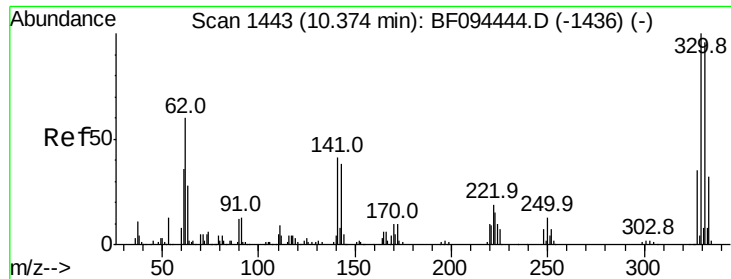
Tot Ion:142 Resp: 138778
 Ion Ratio Lower Upper
 142 100
 141 89.3 71.3 106.9
 115 30.6 27.1 40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF094580.D
 Acq: 24 Apr 2017 12:54

Tgt Ion:164 Resp: 254513
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.6 123.8
 160 44.0 36.2 54.2

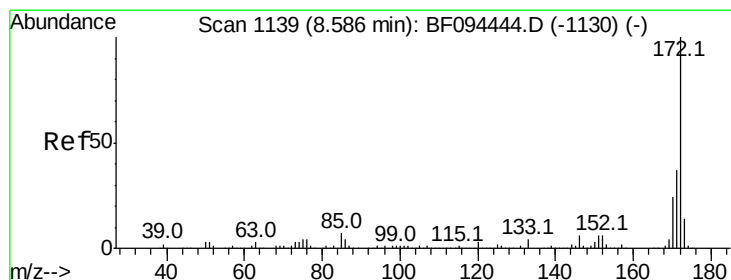
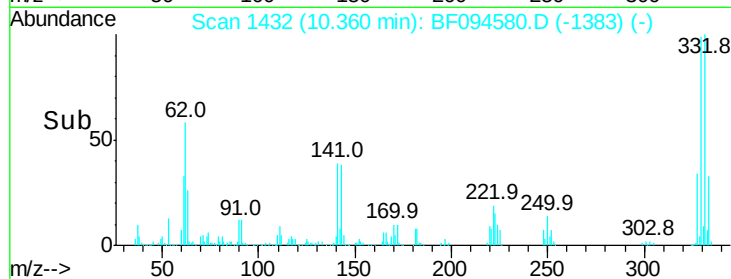
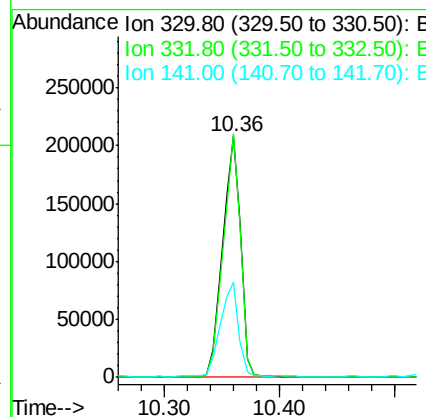
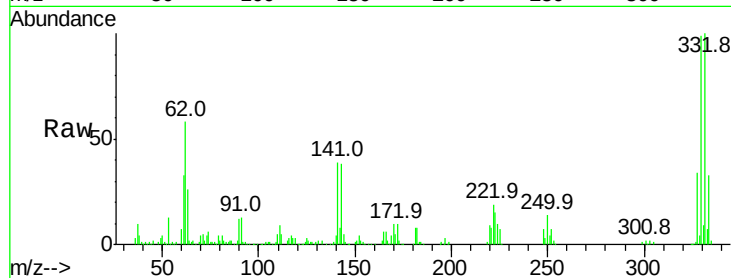




#41
 2,4,6-Tribromophenol
 Concen: 113.38 ng
 RT: 10.36 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF094580.D
 Acq: 24 Apr 2017 12:54

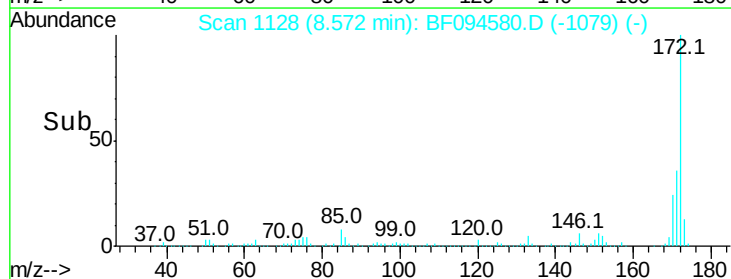
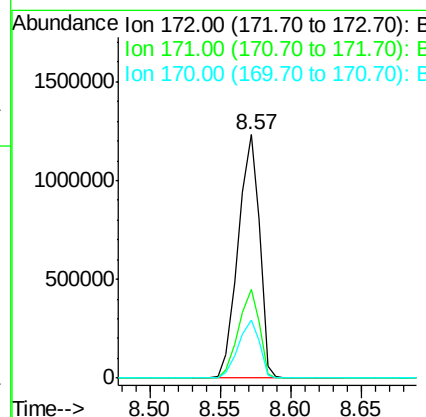
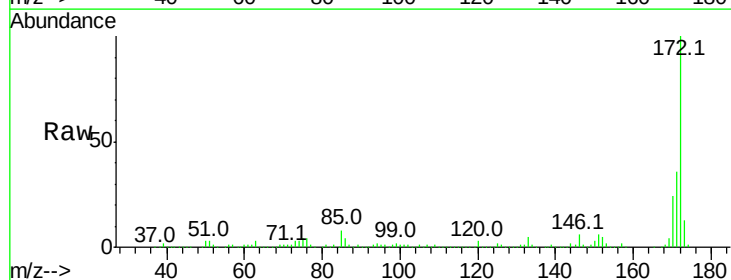
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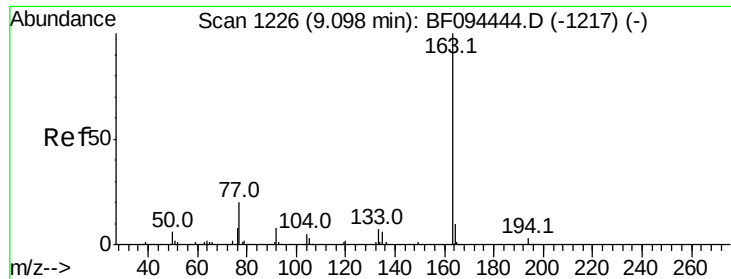
Tot Ion:330 Resp: 225711
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.6 115.0
 141 39.5 31.4 47.2



#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

Tgt 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

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-VNJ238-VNJ205-VNJ22

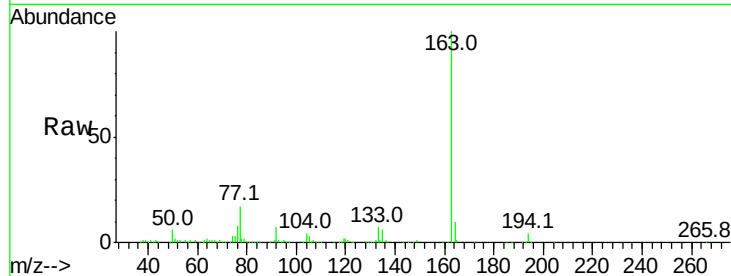
Tot Ion:163 Resp: 212810

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

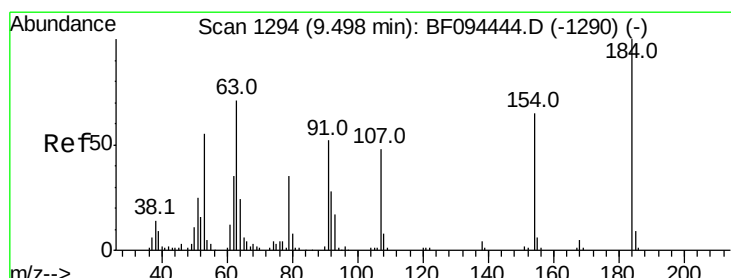
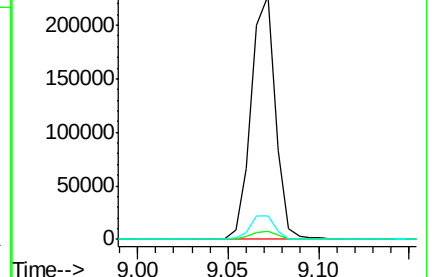
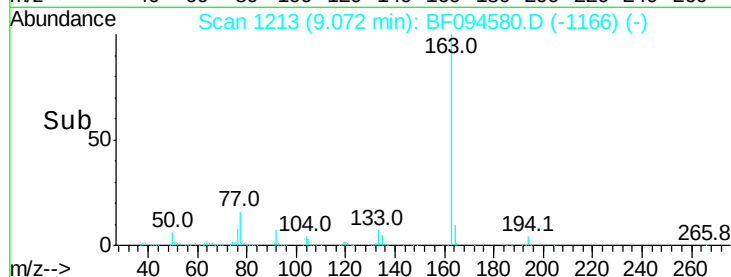
164 9.8 8.4 12.6



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



#53

2,4-Dinitrophenol

Concen: 5.88 ng

RT: 9.74 min Scan# 1327

Delta R.T. 0.24 min

Lab File: BF094580.D

Acq: 24 Apr 2017 12:54

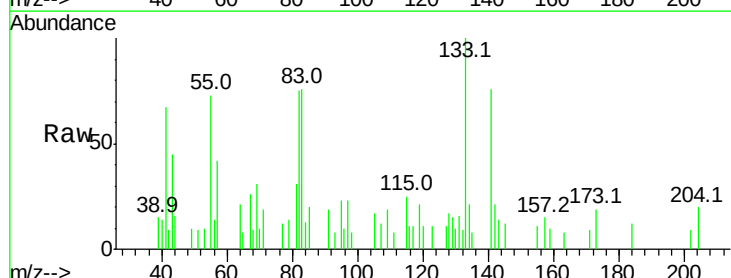
Tgt Ion:184 Resp: 308

Ion Ratio Lower Upper

184 100

63 0.0 62.7 94.1#

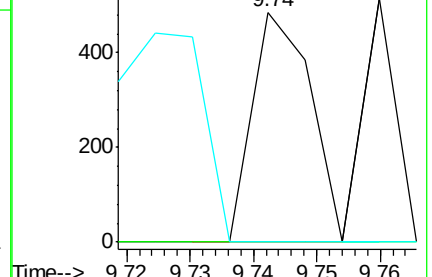
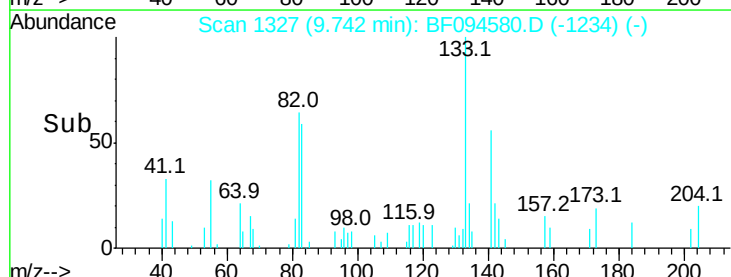
154 0.0 81.1 121.7#

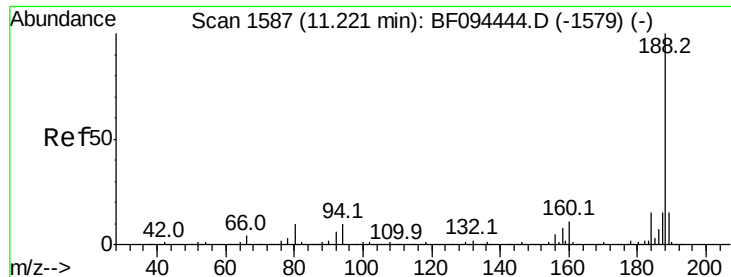


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

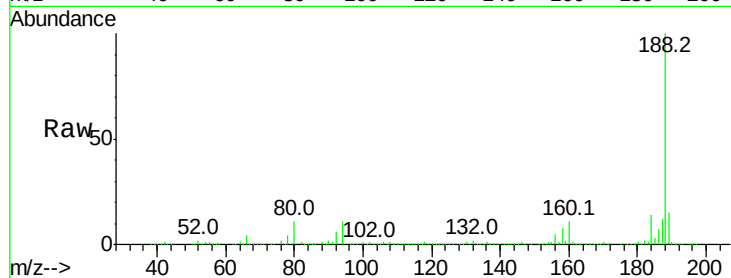




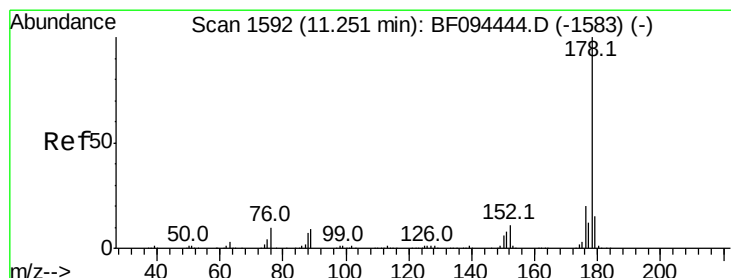
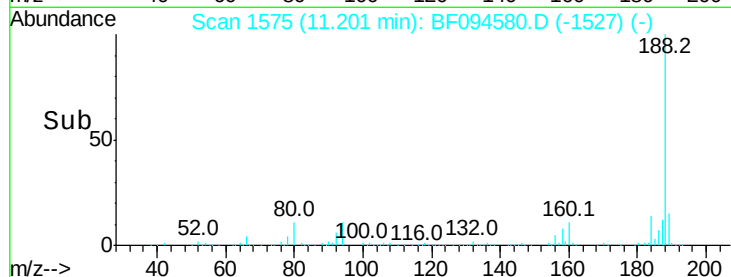
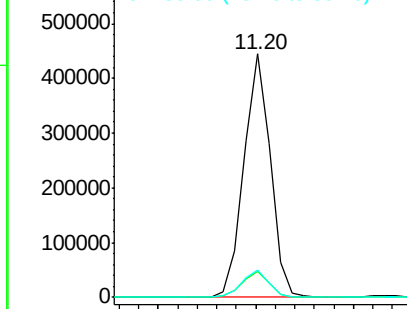
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF094580.D
Acq: 24 Apr 2017 12:54

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

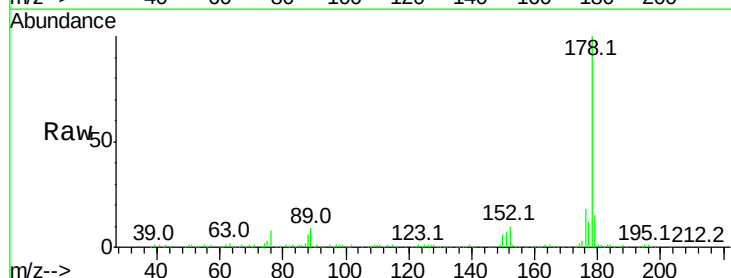


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

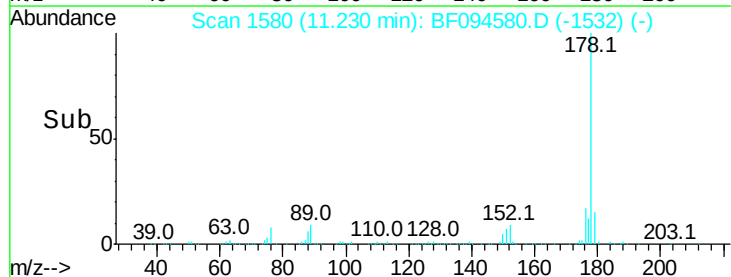
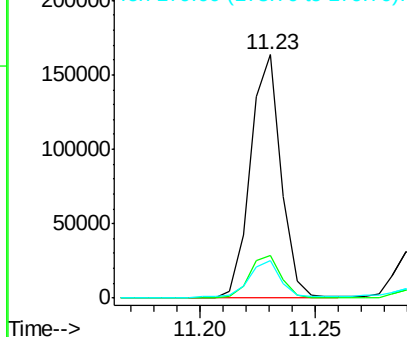


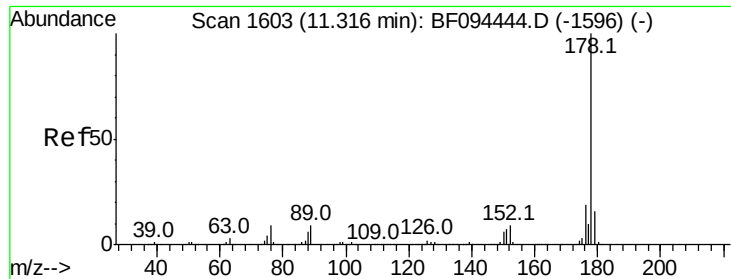
#70
Phenanthrene
Concen: 6.46 ng
RT: 11.23 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF094580.D
Acq: 24 Apr 2017 12:54

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





#71

Anthracene

Concen: 6.25 ng

RT: 11.23 min Scan# 1580

Delta R.T. -0.09 min

Lab File: BF094580.D

Acq: 24 Apr 2017 12:54

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-VNJ238-VNJ205-VNJ22

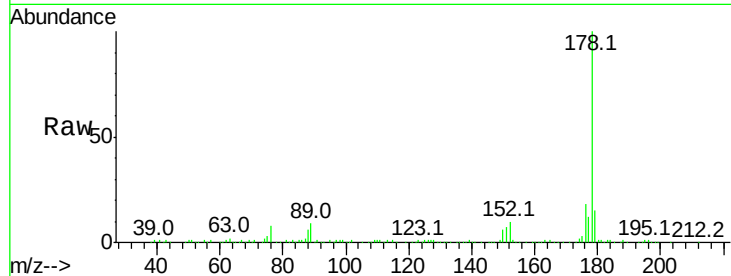
Tot Ion:178 Resp: 152081

Ion Ratio Lower Upper

178 100

176 17.5 15.8 23.8

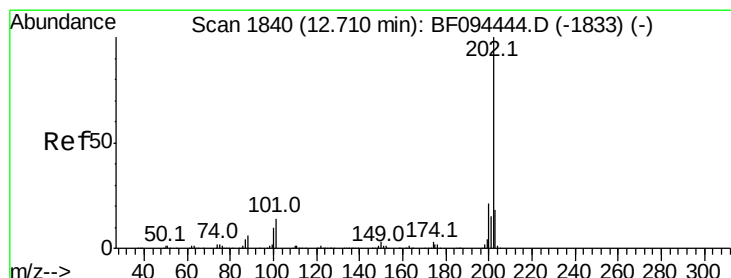
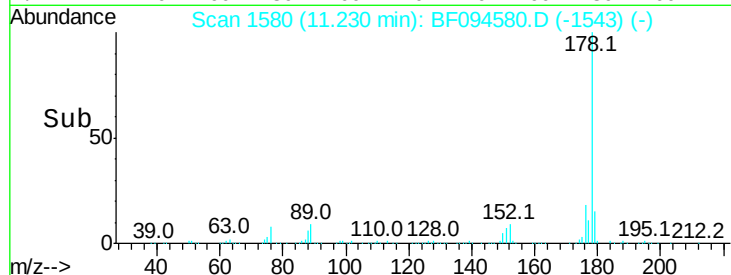
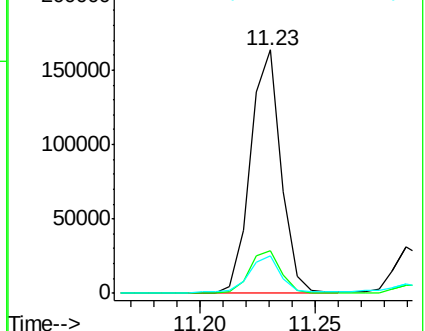
179 15.5 12.7 19.1



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: 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

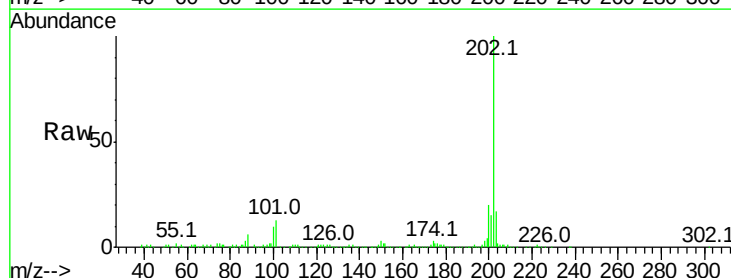
Tgt Ion:202 Resp: 193152

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

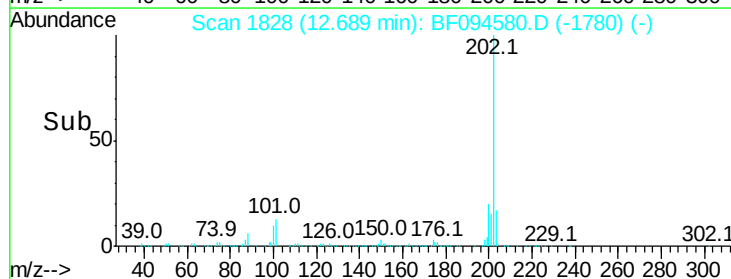
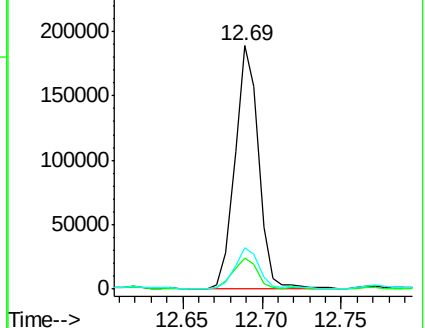
203 17.2 0.0 38.1

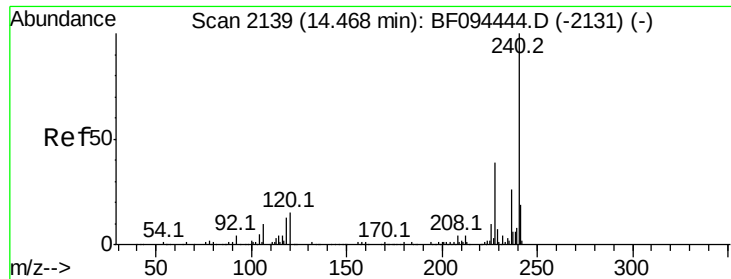


Abundance Ion 202.00 (201.70 to 202.70): E

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

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-VNJ238-VNJ205-VNJ22

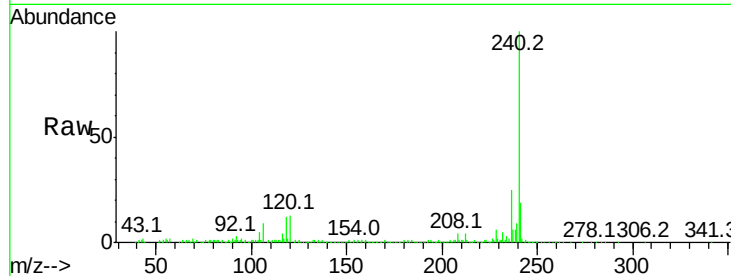
Tot Ion:240 Resp: 276536

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

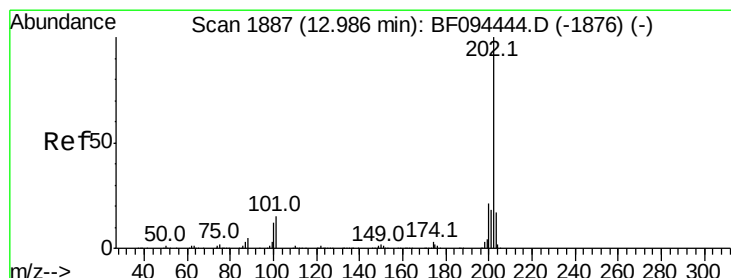
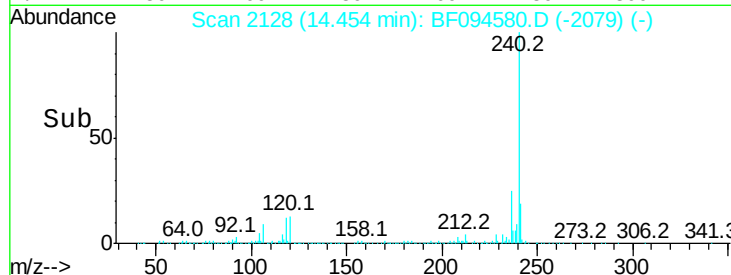
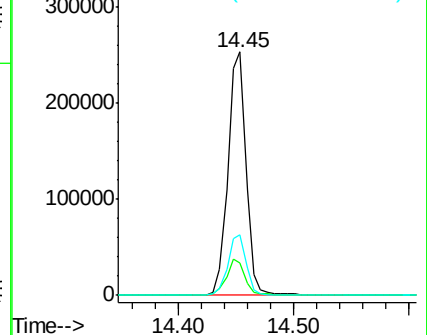
236 25.0 20.5 30.7



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

Pyrene

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

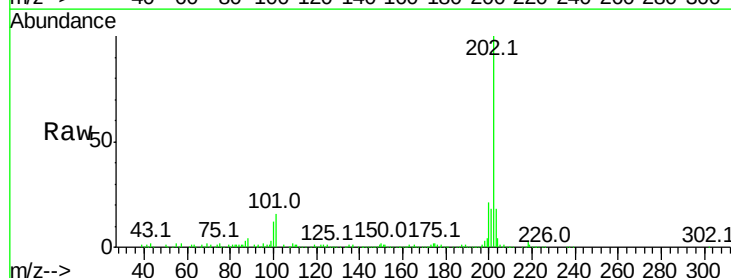
Tgt Ion:202 Resp: 181905

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

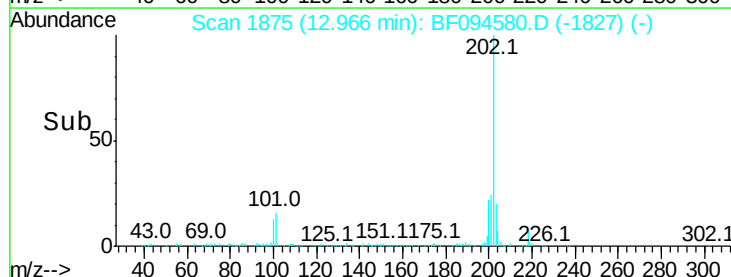
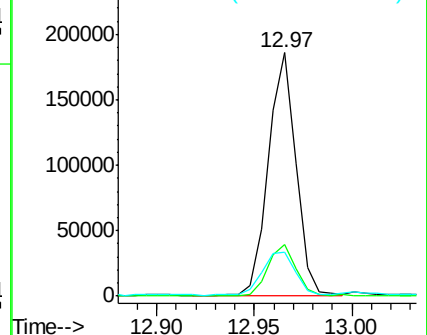
203 18.3 14.4 21.6

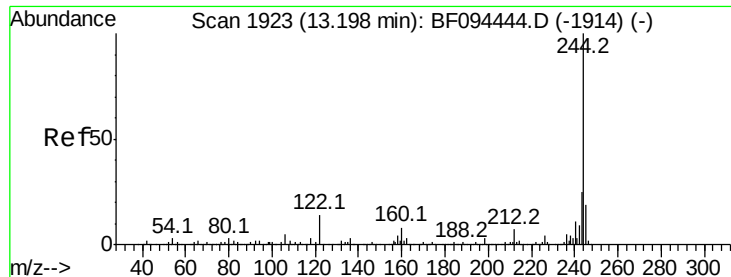


Abundance Ion 202.00 (201.70 to 202.70): E

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

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-VNJ238-VNJ205-VNJ22

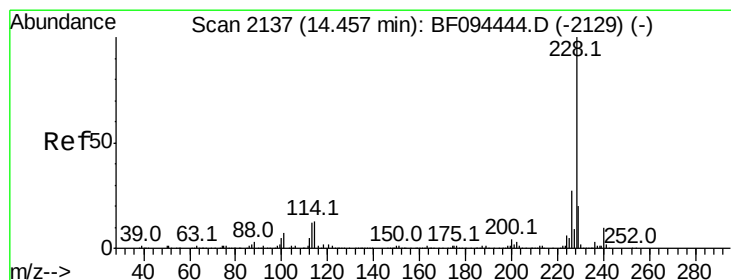
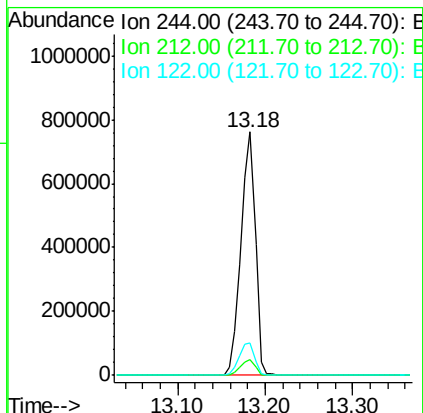
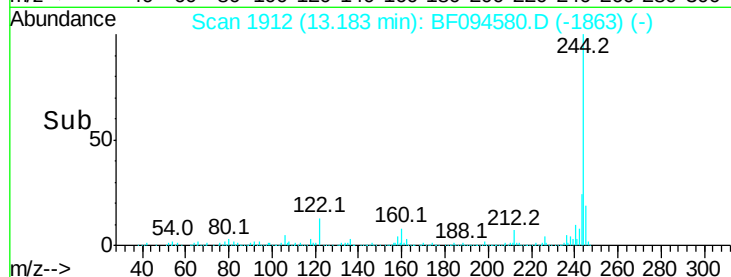
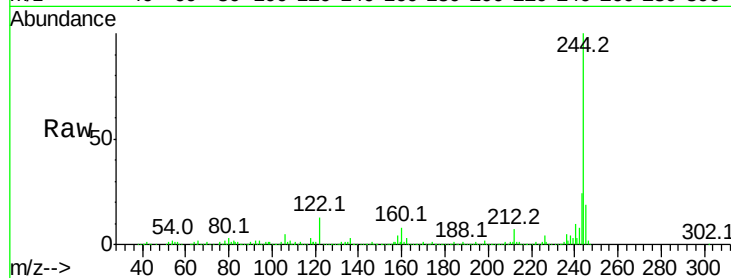
Tot Ion:244 Resp: 838928

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

122 13.4 10.3 15.5



#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

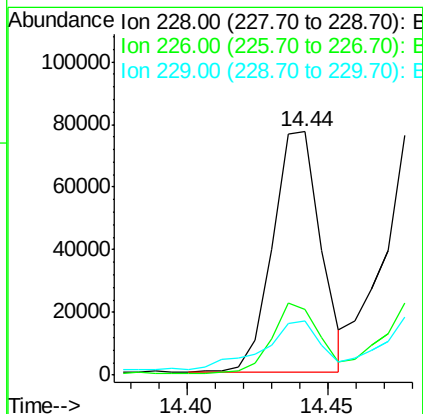
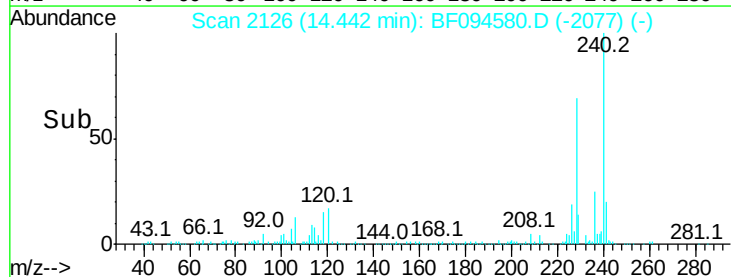
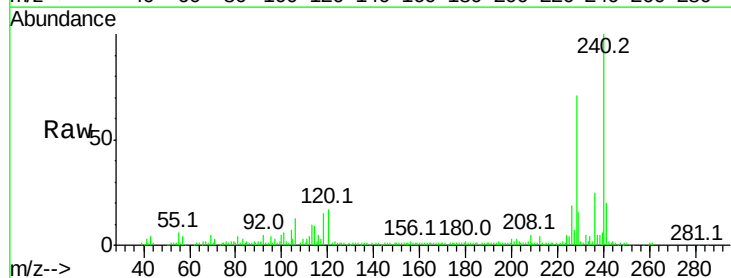
Tgt Ion:228 Resp: 90851

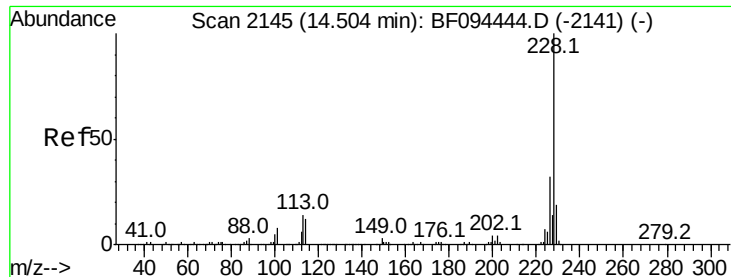
Ion Ratio Lower Upper

228 100

226 27.2 22.6 33.8

229 22.4 16.3 24.5





#82

Chrysene

Concen: 6.64 ng

RT: 14.48 min Scan# 2133

Delta R.T. -0.02 min

Lab File: BF094580.D

Acq: 24 Apr 2017 12:54

Instrument :

BNA_F

ClientSampleId :

ROLLOFFS-VNJ238-VNJ205-VNJ22

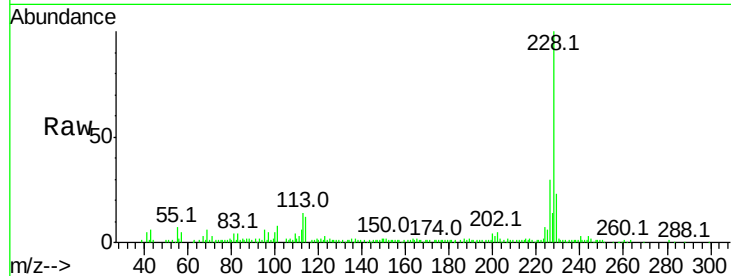
Tot Ion:228 Resp: 97534

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

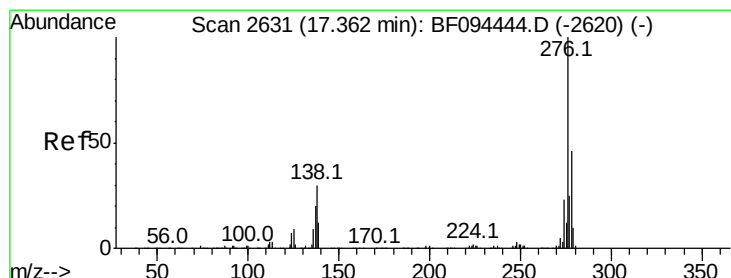
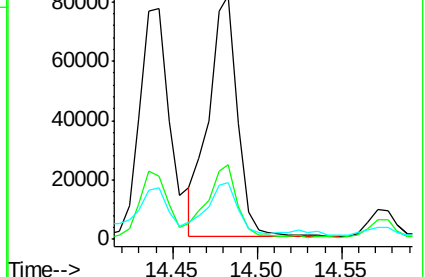
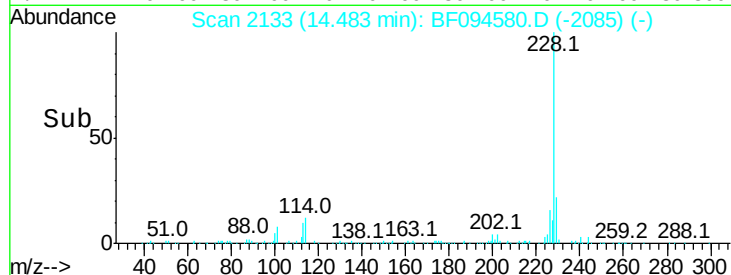
229 23.2 15.8 23.6



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



#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

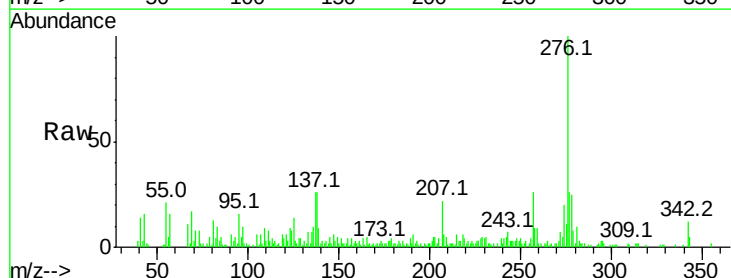
Tgt Ion:276 Resp: 53128

Ion Ratio Lower Upper

276 100

138 33.1 27.8 41.6

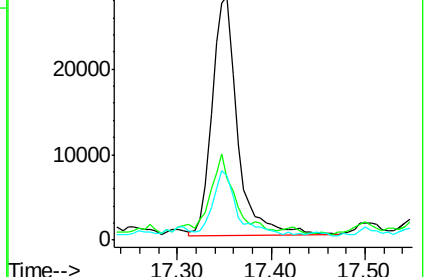
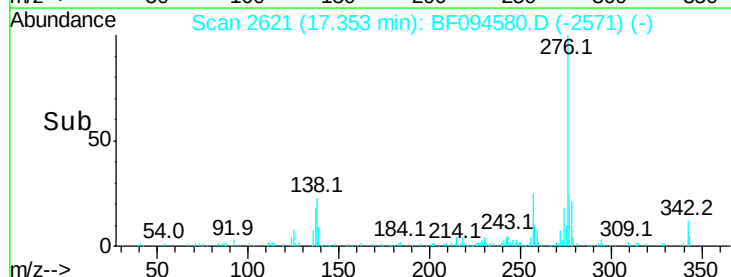
277 25.0 20.2 30.4

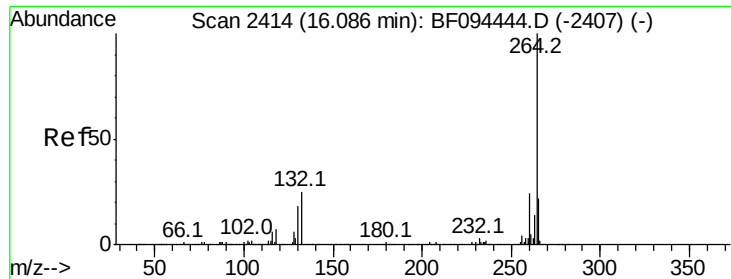


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

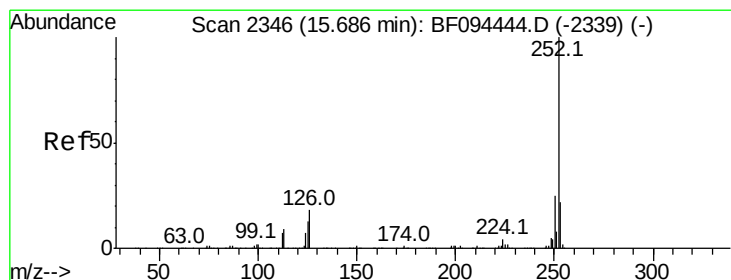
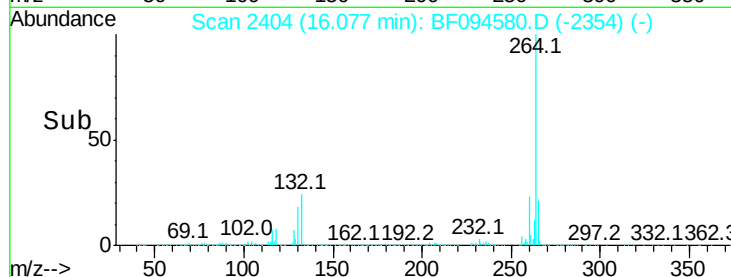
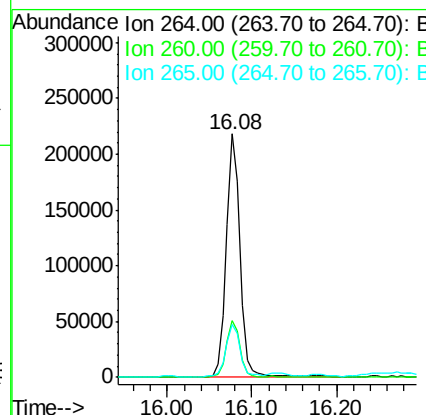
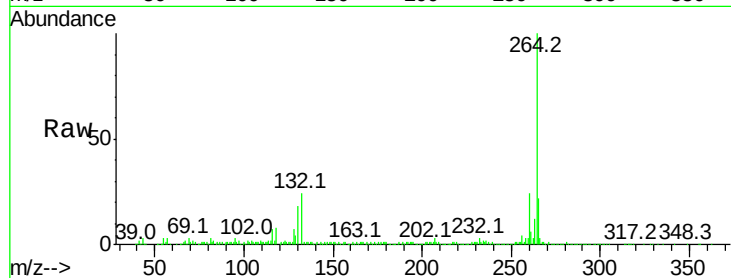




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BF094580.D
Acq: 24 Apr 2017 12:54

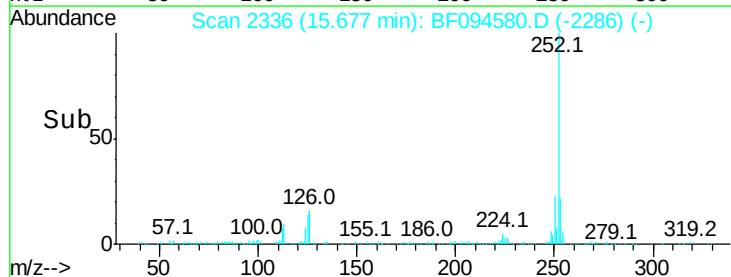
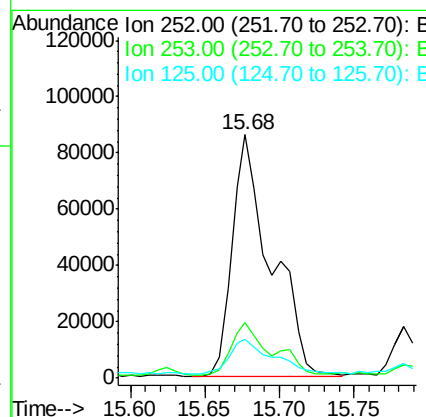
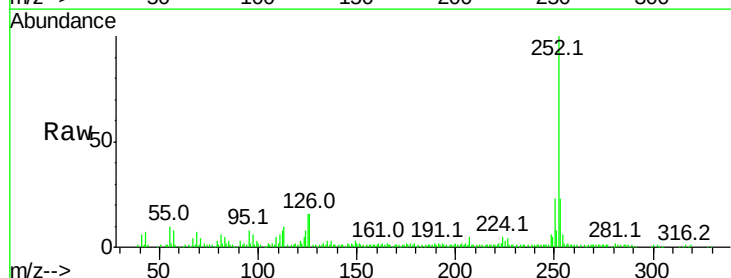
Instrument :
BNA_F
ClientSampleId :
ROLLOFFS-VNJ238-VNJ205-VNJ22

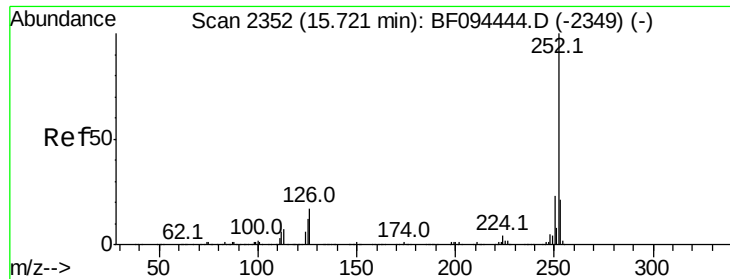
Tot Ion:264 Resp: 251938
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 21.6 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 10.12 ng
RT: 15.68 min Scan# 2336
Delta R.T. -0.01 min
Lab File: BF094580.D
Acq: 24 Apr 2017 12:54

Tgt Ion:252 Resp: 156027
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 15.7 9.8 14.8#

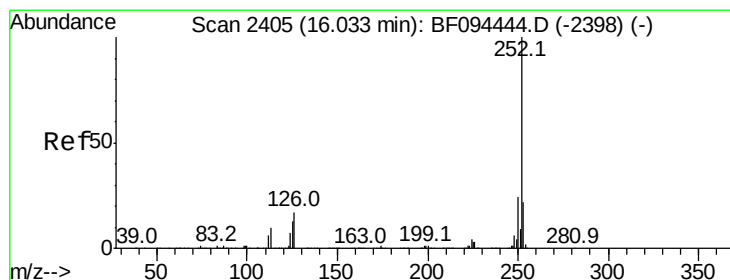
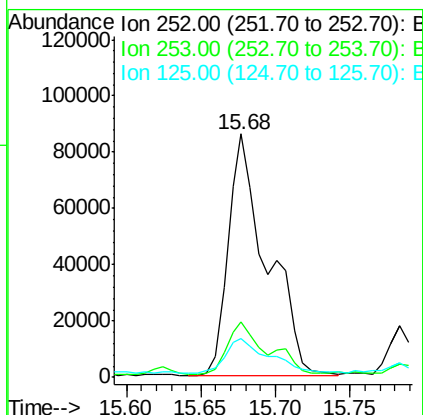
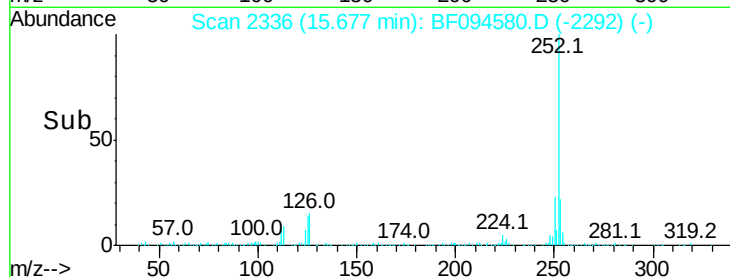
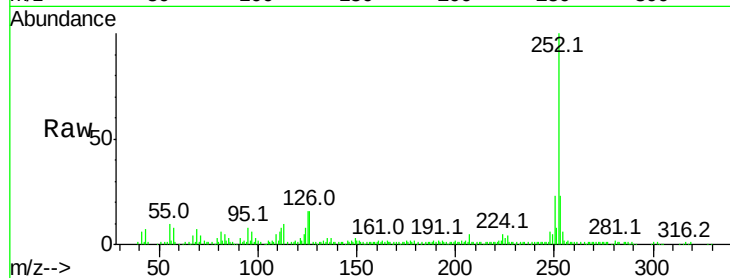




#88
Benzo(k)fluoranthene
Concen: 10.70 ng
RT: 15.68 min Scan# 2336
Delta R.T. -0.04 min
Lab File: BF094580.D
Acq: 24 Apr 2017 12:54

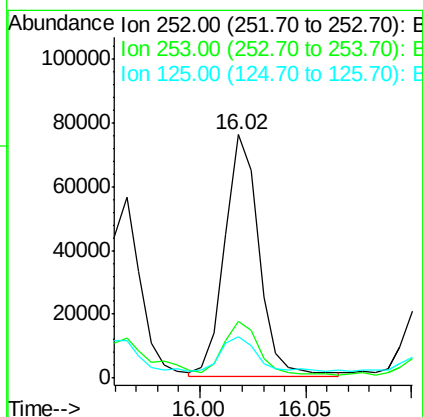
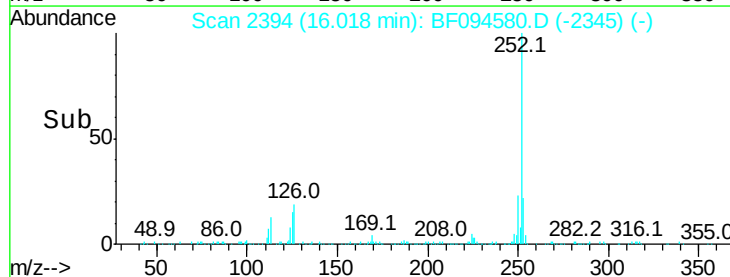
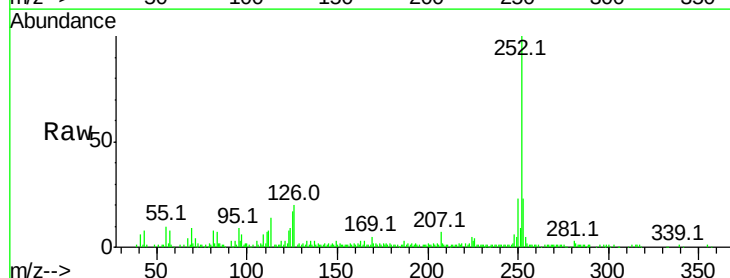
Instrument :
BNA_F
ClientSampleId :
ROLLOFFS-VNJ238-VNJ205-VNJ22

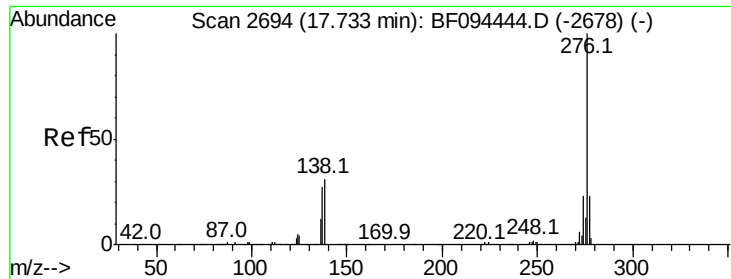
Tot Ion:252 Resp: 156027
Ion Ratio Lower Upper
252 100
253 22.6 18.4 27.6
125 15.7 13.1 19.7



#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

Tgt Ion:252 Resp: 84442
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 16.9 11.0 16.4#





#91
 Benzo(a,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

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	28.0
138	32.2	25.4	38.0

