

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095137.D
 Acq On : 15 May 2017 21:23
 Operator : SJ/MA
 Sample : I3147-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 16 05:59:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

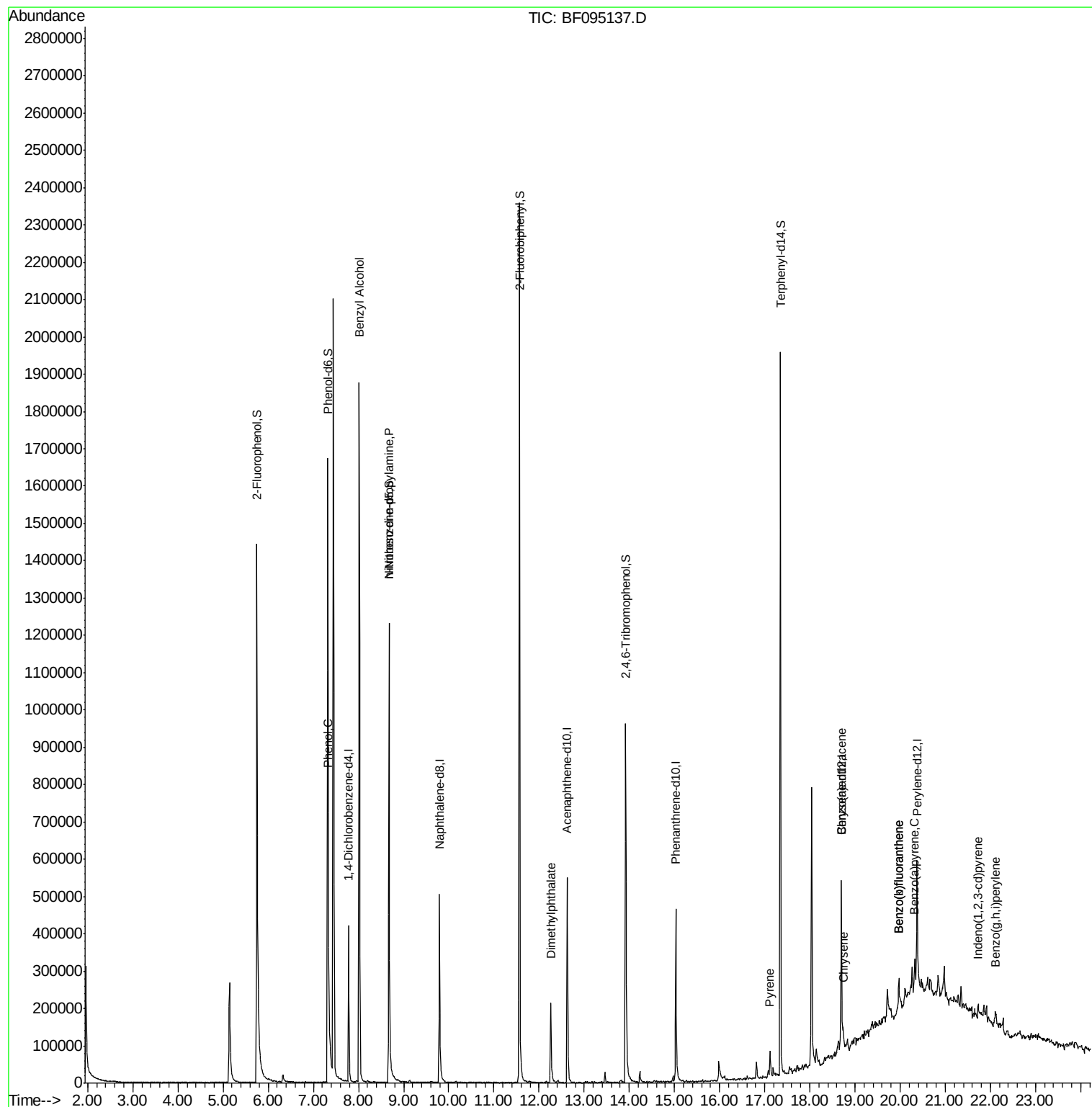
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	95648	20.00	ng	0.05
21) Naphthalene-d8	9.80	136	380351	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	167407	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	259554	20.00	ng	0.05
75) Chrysene-d12	18.70	240	200545	20.00	ng	0.05
86) Perylene-d12	20.38	264	166632	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	799657	139.39	ng	0.07
7) Phenol-d6	7.32	99	1037173	150.67	ng	0.05
23) Nitrobenzene-d5	8.68	82	596119	98.83	ng	0.04
41) 2,4,6-Tribromophenol	13.92	330	178986	130.55	ng	0.04
44) 2-Fluorobiphenyl	11.57	172	1150773	98.94	ng	0.04
78) Terphenyl-d14	17.35	244	738136	81.07	ng	0.04
Target Compounds						
10) Phenol	7.34	94	21343	2.94	ng	# 50
15) Benzyl Alcohol	8.02	79	9368	2.12	ng	# 42
19) n-Nitroso-di-n-propylamine	8.68	70	74141	15.93	ng	# 75
49) Dimethylphthalate	12.26	163	170243	12.39	ng	98
77) Pyrene	17.12	202	34123	2.28	ng	95
80) Benzo(a)anthracene	18.69	228	24519	2.10	ng	# 91
82) Chrysene	18.74	228	28450	2.52	ng	# 94
85) Indeno(1,2,3-cd)pyrene	21.73	276	20823	2.27	ng	91
87) Benzo(b)fluoranthene	19.97	252	56294	5.47	ng	# 85
88) Benzo(k)fluoranthene	19.97	252	56294	5.67	ng	# 90
89) Benzo(a)pyrene	20.32	252	32703	3.44	ng	# 89
91) Benzo(a,h,i)perylene	22.12	276	23877	3.10	ng	90

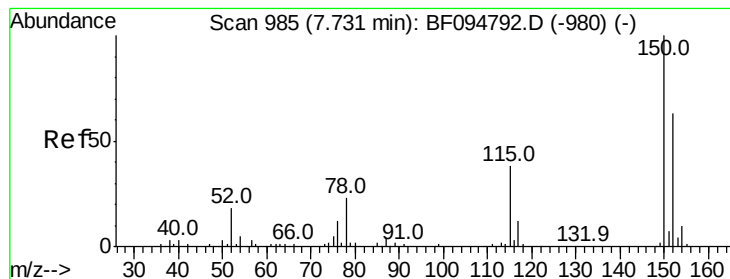
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.78 min Scan# 994

Delta R.T. 0.05 min

Lab File: BF095137.D

Acq: 15 May 2017 21:23

Instrument :

BNA_F

ClientSampleId :

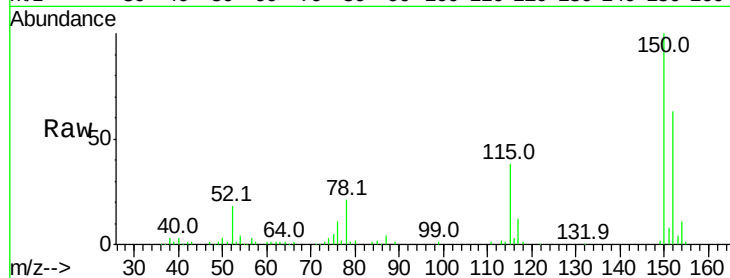
Tot Ion:152 Resp: 95648

Ion Ratio Lower Upper

152 100

150 159.9 126.2 189.2

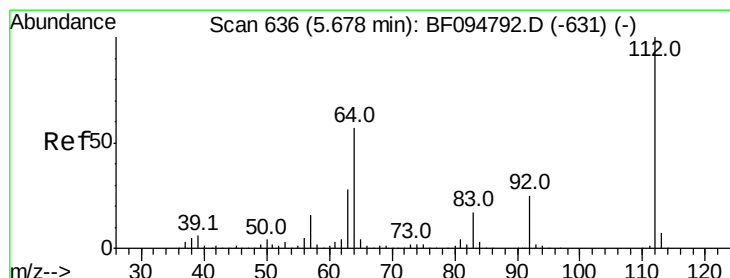
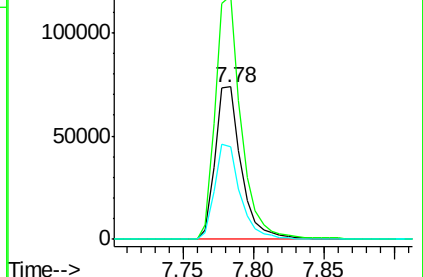
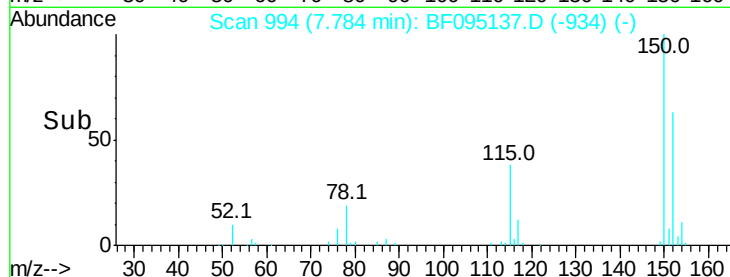
115 60.8 52.2 78.2



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: 139.39 ng

RT: 5.75 min Scan# 648

Delta R.T. 0.07 min

Lab File: BF095137.D

Acq: 15 May 2017 21:23

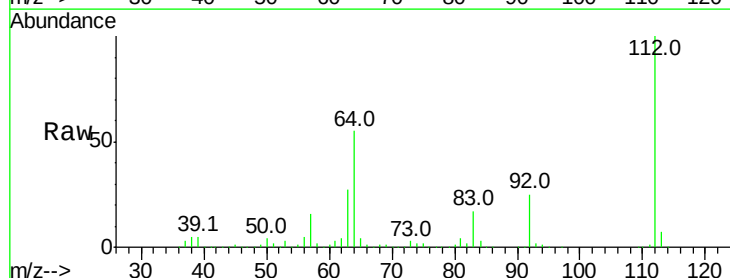
Tgt Ion:112 Resp: 799657

Ion Ratio Lower Upper

112 100

64 55.3 46.0 69.0

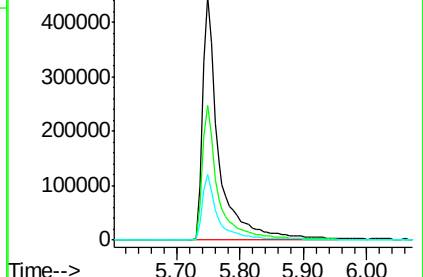
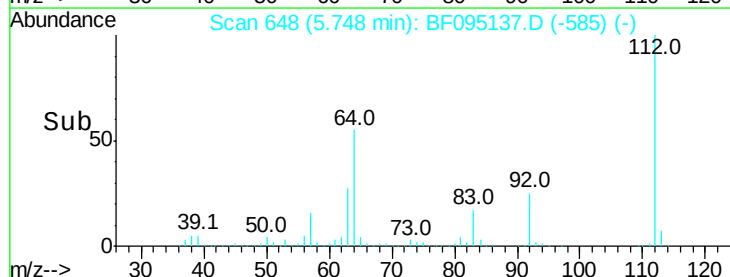
63 27.0 23.4 35.0

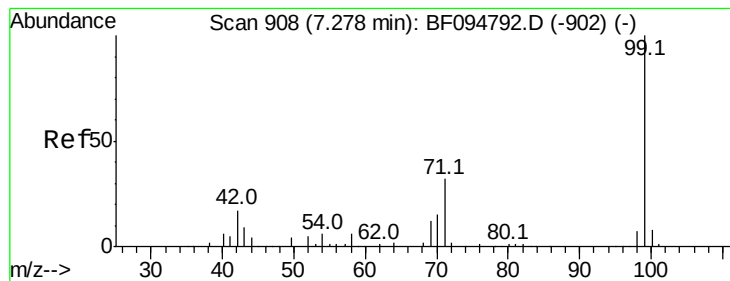


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 150.67 ng

RT: 7.32 min Scan# 916

Delta R.T. 0.05 min

Lab File: BF095137.D

Acq: 15 May 2017 21:23

Instrument :

BNA_F

ClientSampled :

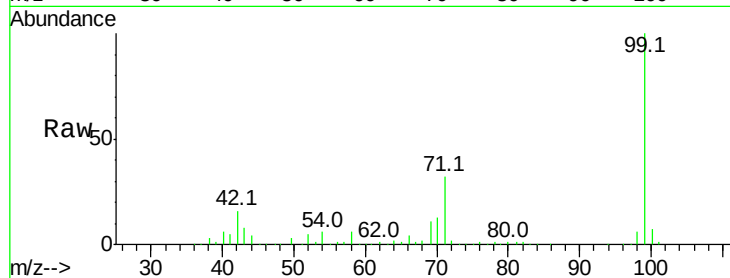
Tot Ion: 99 Resp: 1037173

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

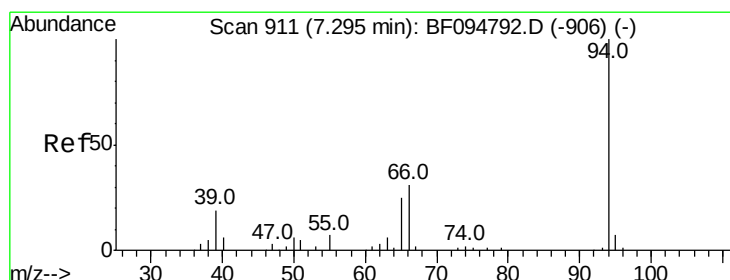
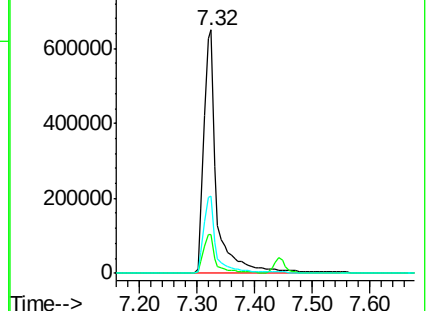
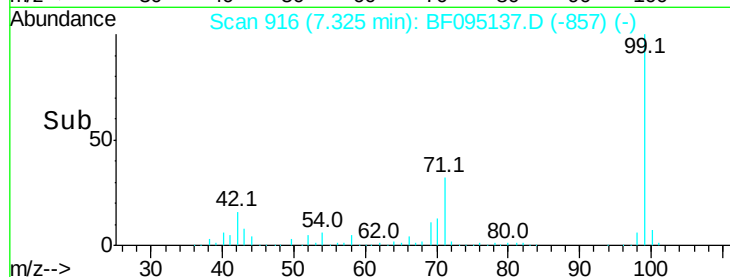
71 31.7 24.5 36.7



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



#10

Phenol

Concen: 2.94 ng

RT: 7.34 min Scan# 918

Delta R.T. 0.04 min

Lab File: BF095137.D

Acq: 15 May 2017 21:23

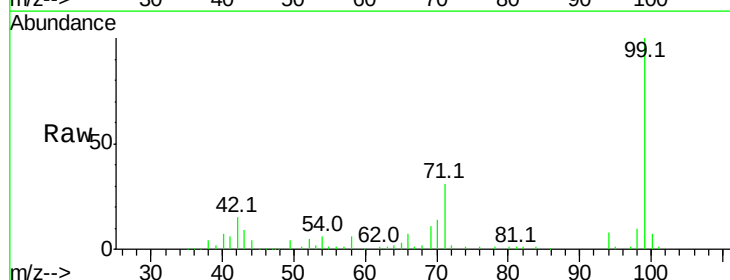
Tgt Ion: 94 Resp: 21343

Ion Ratio Lower Upper

94 100

65 38.1 9.9 49.9

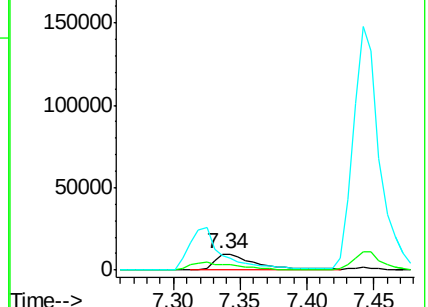
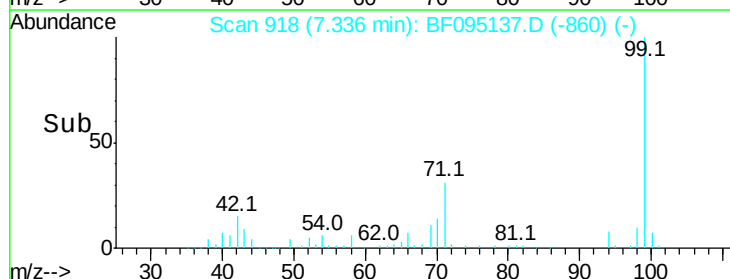
66 91.1 23.1 63.1#

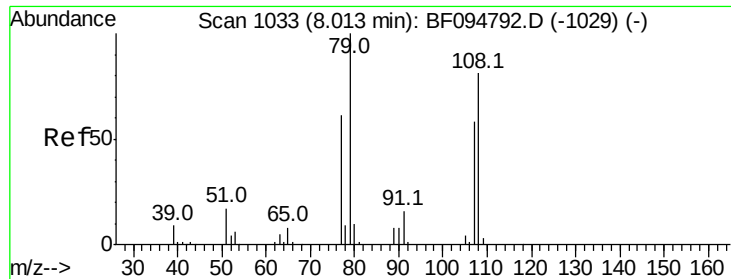


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

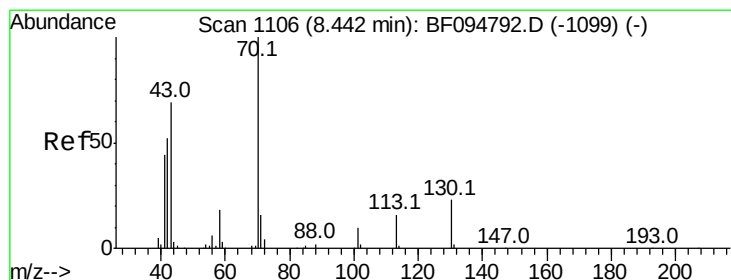
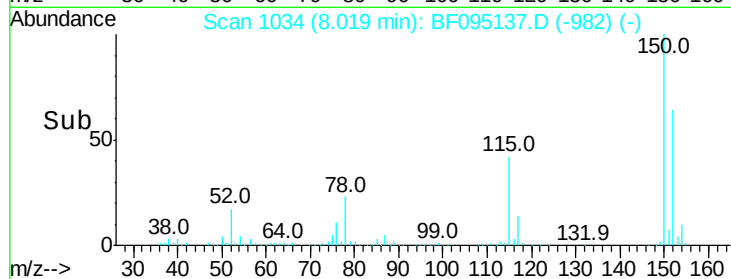
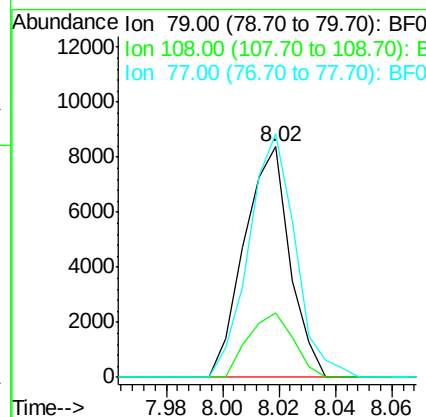
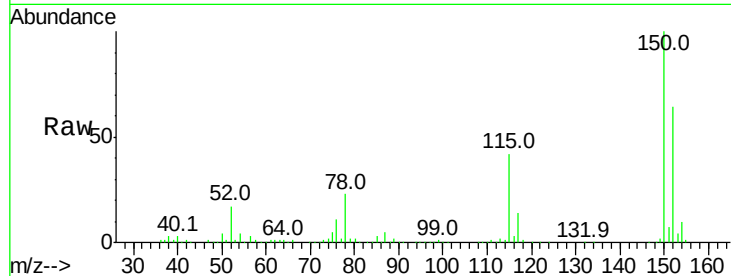




#15
Benzyl Alcohol
Concen: 2.12 ng
RT: 8.02 min Scan# 1034
Delta R.T. 0.01 min
Lab File: BF095137.D
Acq: 15 May 2017 21:23

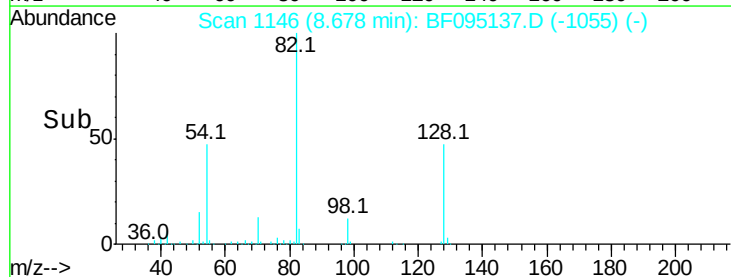
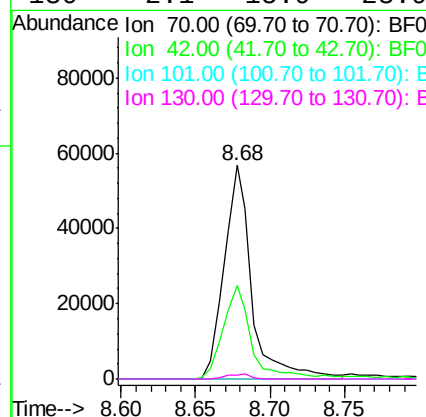
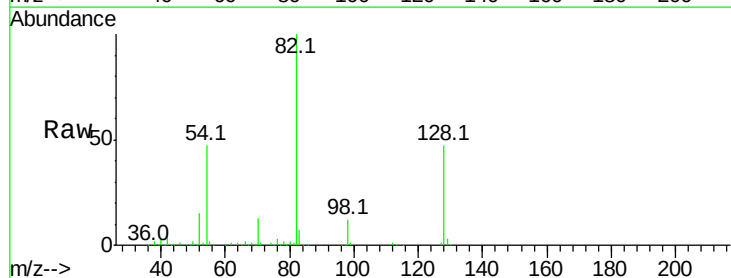
Instrument :
BNA_F
ClientSampled :

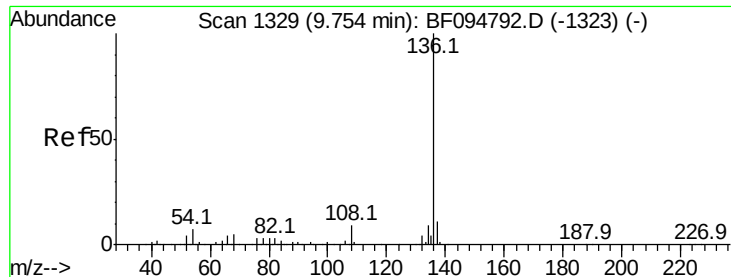
Tot Ion: 79 Resp: 9368
Ion Ratio Lower Upper
79 100
108 27.9 63.4 95.0#
77 105.5 49.2 73.8#



#19
n-Nitroso-di-n-propylamine
Concen: 15.93 ng
RT: 8.68 min Scan# 1146
Delta R.T. 0.24 min
Lab File: BF095137.D
Acq: 15 May 2017 21:23

Tgt Ion: 70 Resp: 74141
Ion Ratio Lower Upper
70 100
42 43.6 47.2 70.8#
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#

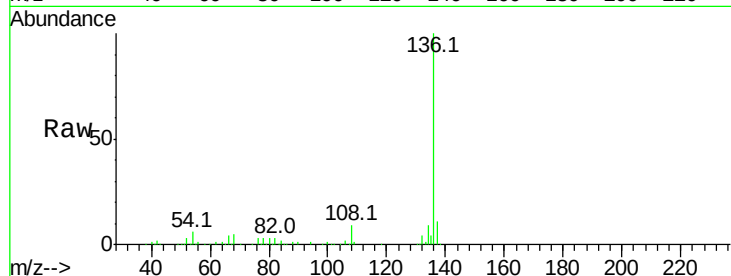




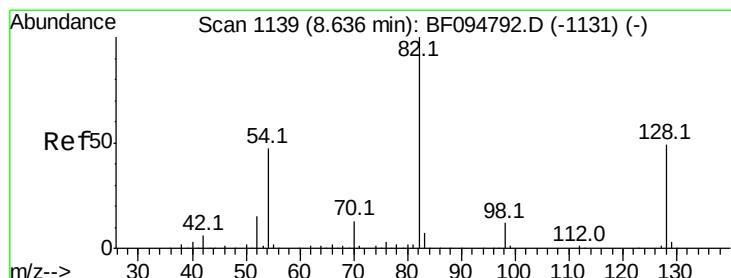
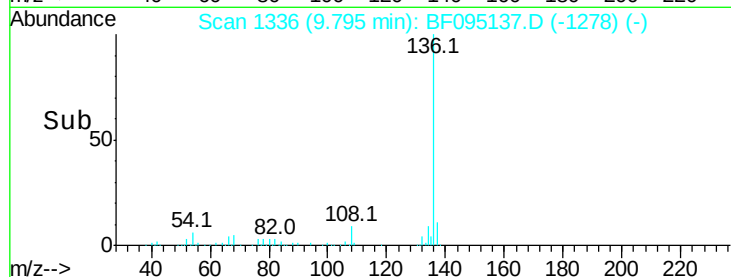
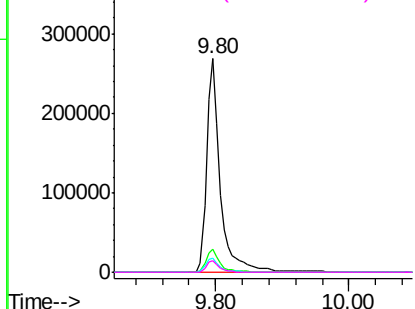
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.80 min Scan# 1336
Delta R.T. 0.04 min
Lab File: BF095137.D
Acq: 15 May 2017 21:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	380351
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.5 12.7
54	6.4	4.9 7.3
68	5.3	4.1 6.1

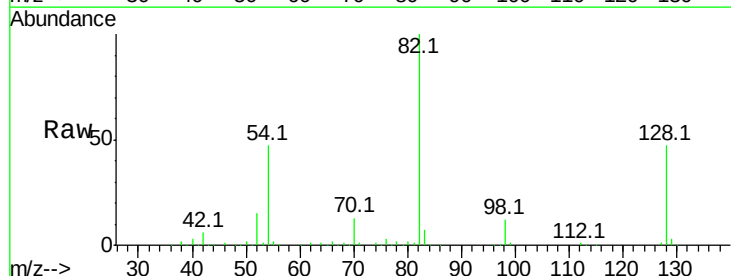


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

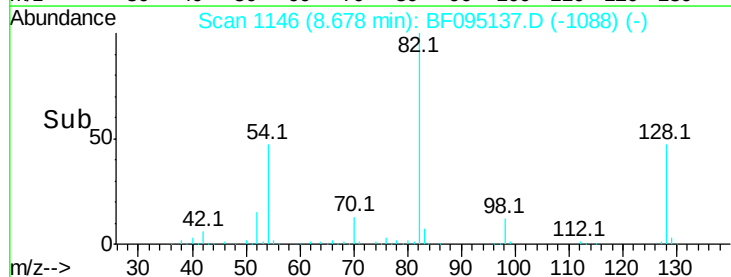
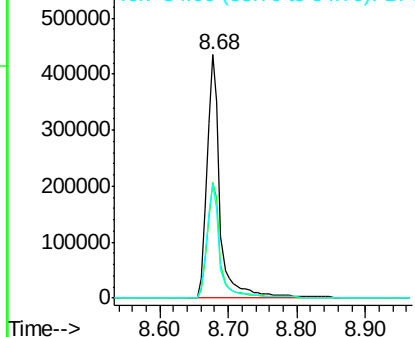


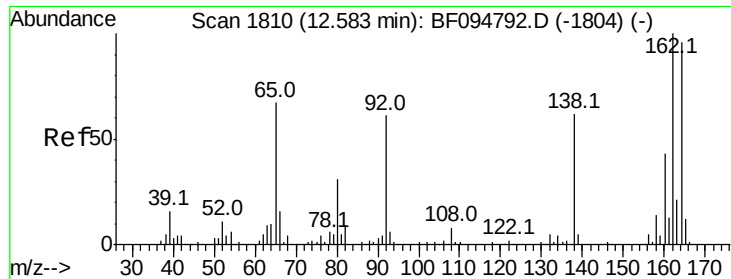
#23
Nitrobenzene-d5
Concen: 98.83 ng
RT: 8.68 min Scan# 1146
Delta R.T. 0.04 min
Lab File: BF095137.D
Acq: 15 May 2017 21:23

Tgt Ion: 82	Resp:	596119
Ion Ratio	Lower	Upper
82	100	
128	47.3	34.0 51.0
54	47.1	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.62 min Scan# 1817

Delta R.T. 0.04 min

Lab File: BF095137.D

Acq: 15 May 2017 21:23

Instrument :

BNA_F

ClientSampleId :

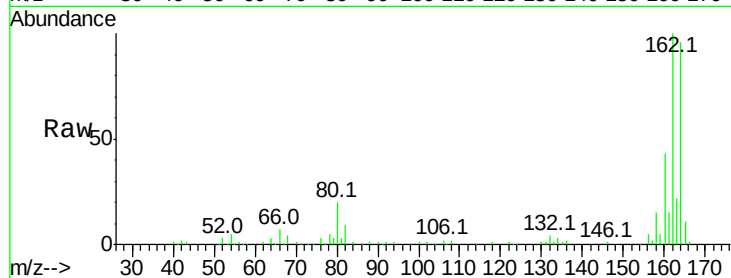
Tot Ion:164 Resp: 167407

Ion Ratio Lower Upper

164 100

162 104.2 82.6 123.8

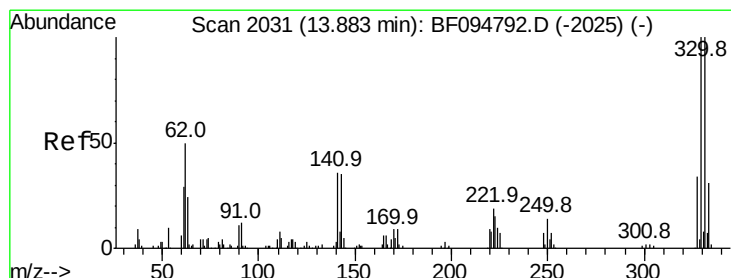
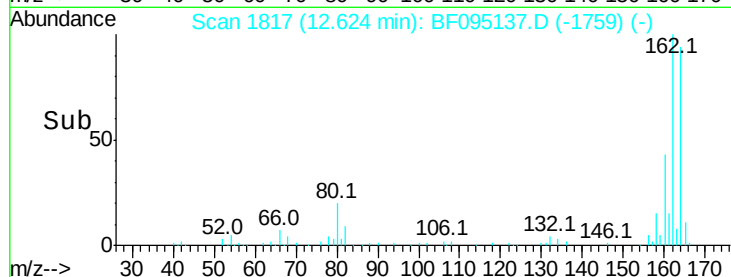
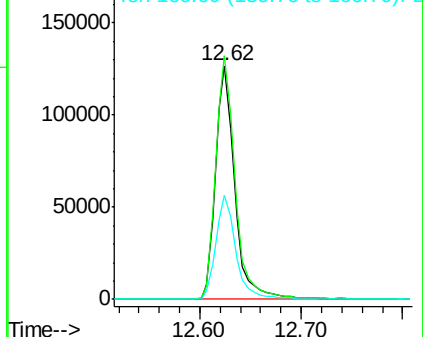
160 44.8 36.2 54.2



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: 130.55 ng

RT: 13.92 min Scan# 2038

Delta R.T. 0.04 min

Lab File: BF095137.D

Acq: 15 May 2017 21:23

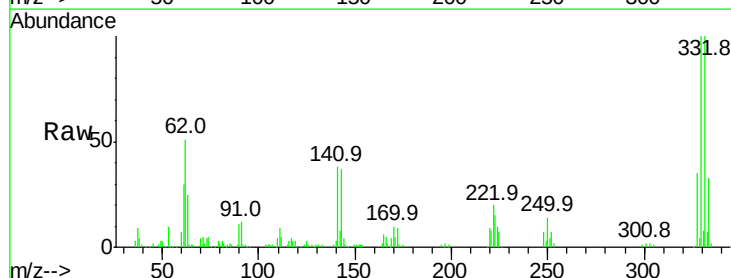
Tgt Ion:330 Resp: 178986

Ion Ratio Lower Upper

330 100

332 96.4 76.6 115.0

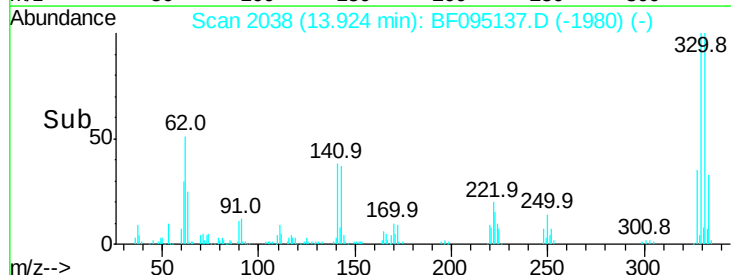
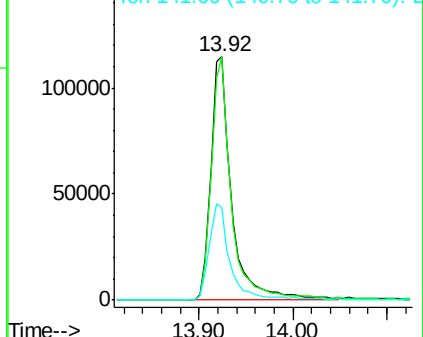
141 39.7 31.4 47.2

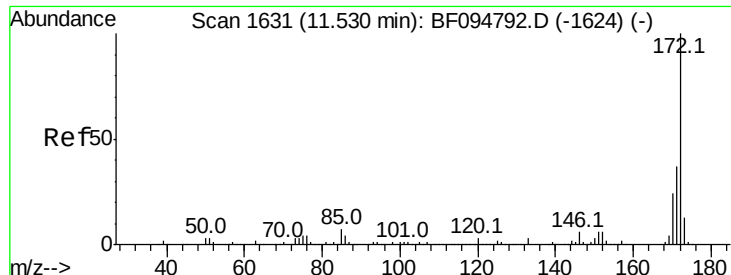


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



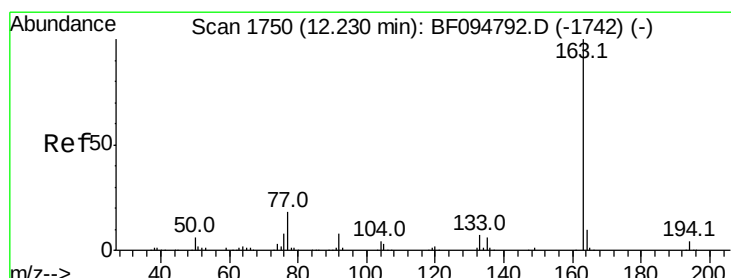
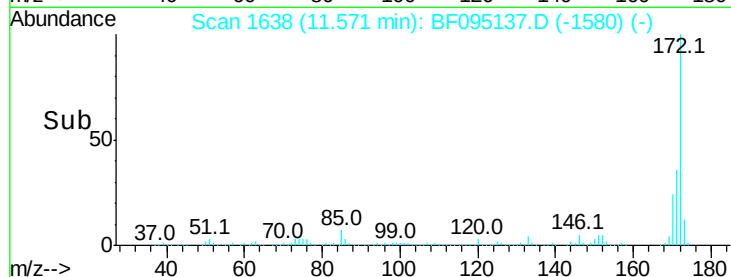
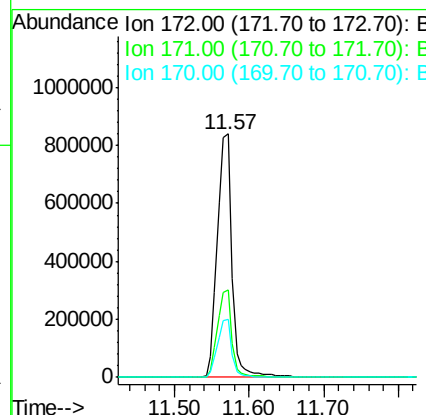
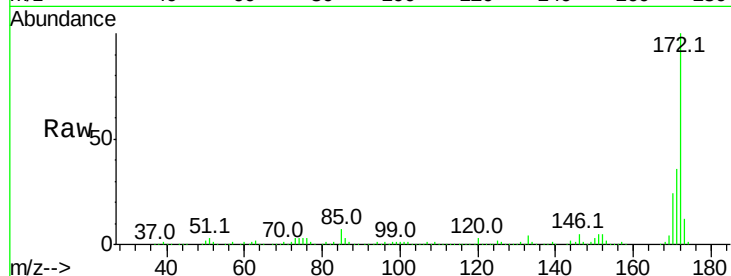


#44
 2-Fluorobiphenyl
 Concen: 98.94 ng
 RT: 11.57 min Scan# 1638
 Delta R.T. 0.04 min
 Lab File: BF095137.D
 Acq: 15 May 2017 21:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1150773

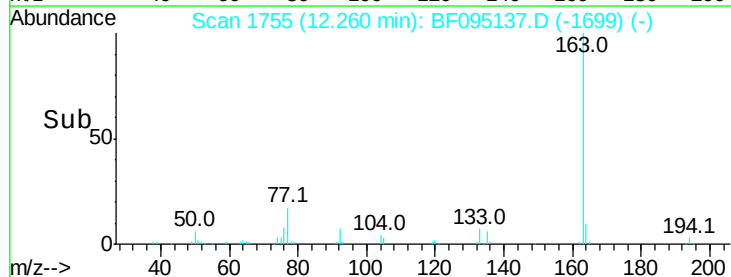
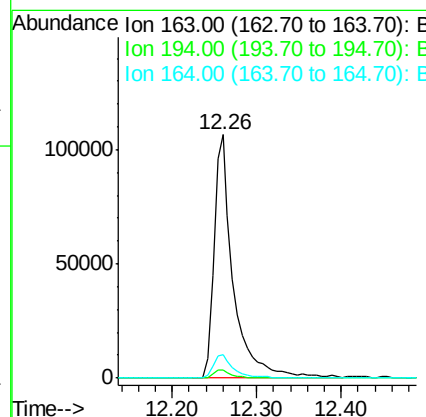
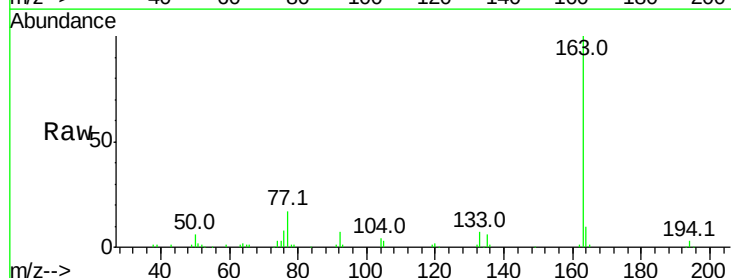
Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	23.7	19.8	29.8

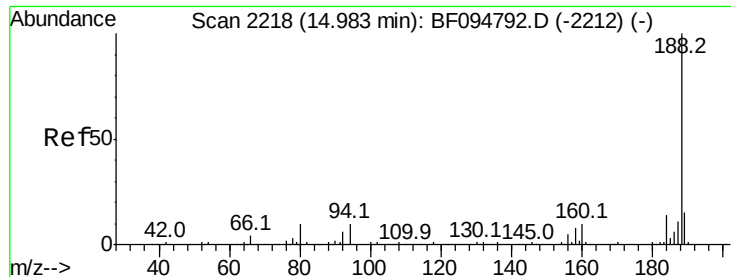


#49
 Dimethylphthalate
 Concen: 12.39 ng
 RT: 12.26 min Scan# 1755
 Delta R.T. 0.03 min
 Lab File: BF095137.D
 Acq: 15 May 2017 21:23

Tgt Ion:163 Resp: 170243

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.5	8.4	12.6

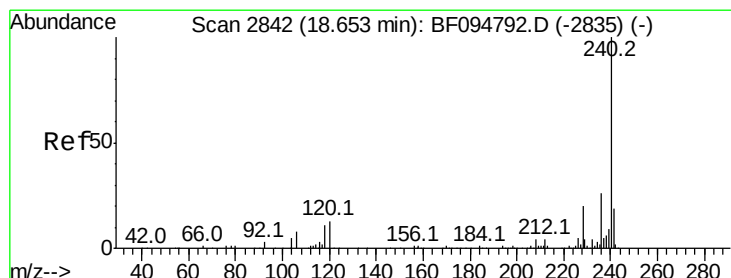
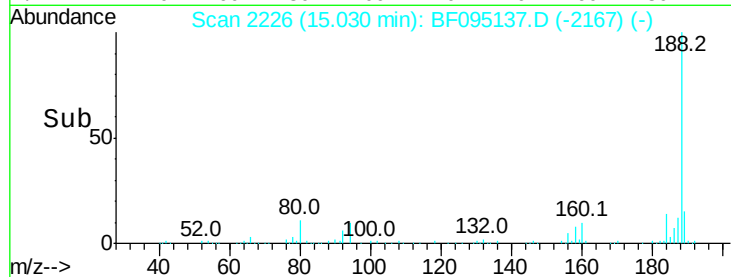
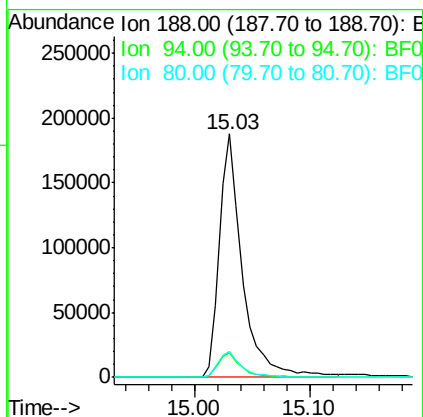
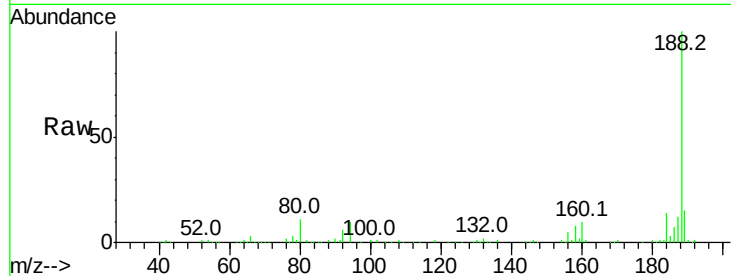




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.03 min Scan# 2226
 Delta R.T. 0.05 min
 Lab File: BF095137.D
 Acq: 15 May 2017 21:23

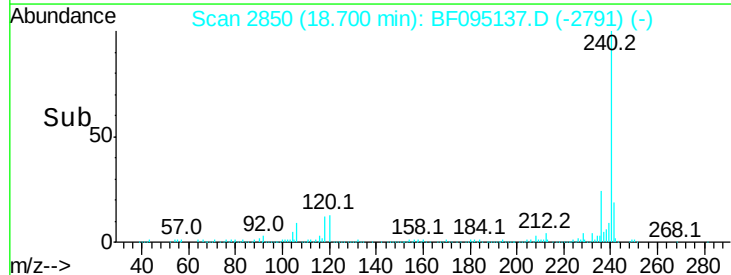
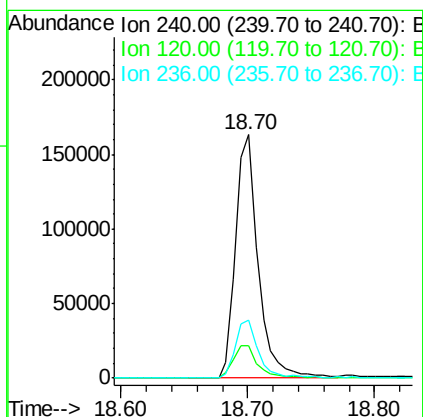
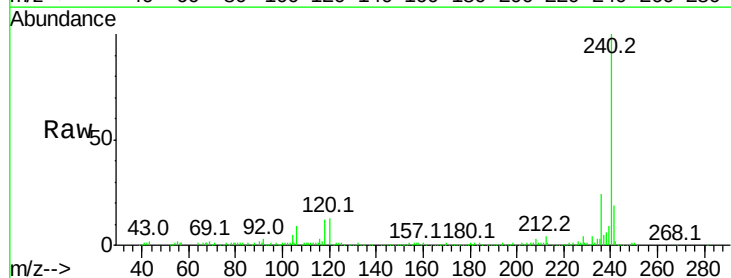
Instrument :
 BNA_F
 ClientSampled :

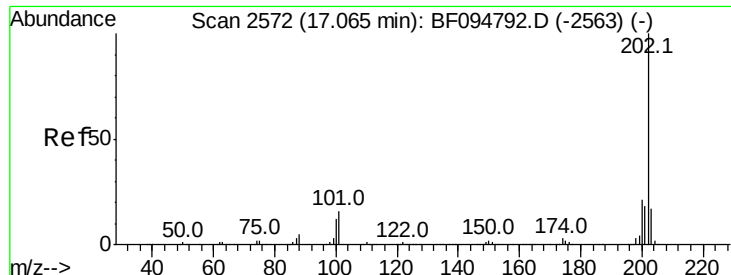
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.4	14.2
80	10.7	10.2	15.2



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.70 min Scan# 2850
 Delta R.T. 0.05 min
 Lab File: BF095137.D
 Acq: 15 May 2017 21:23

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.2	5.8	8.8#
236	23.8	20.5	30.7

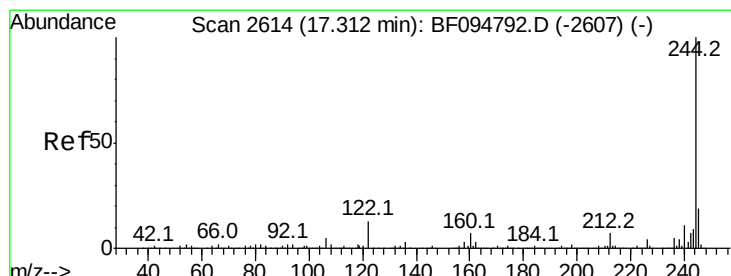
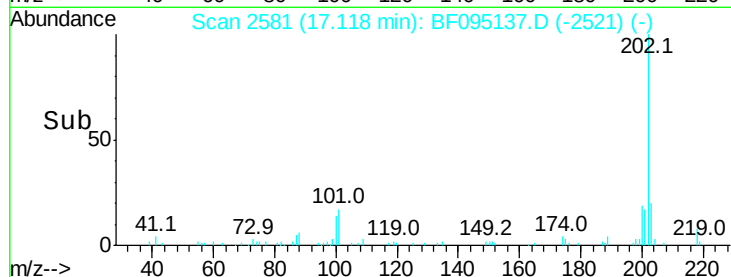
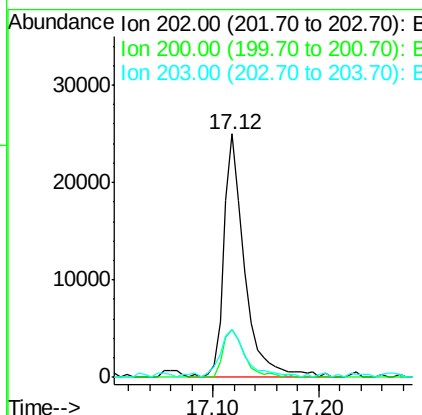
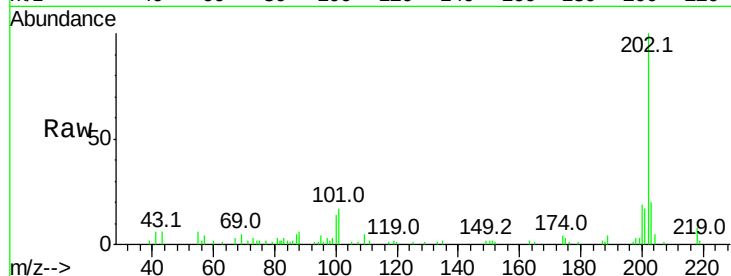




#77
Pvrene
Concen: 2.28 ng
RT: 17.12 min Scan# 2581
Delta R.T. 0.05 min
Lab File: BF095137.D
Acq: 15 May 2017 21:23

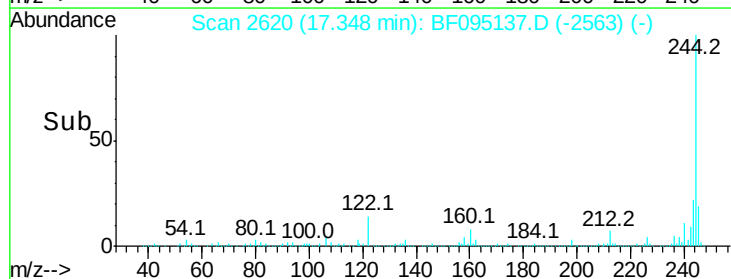
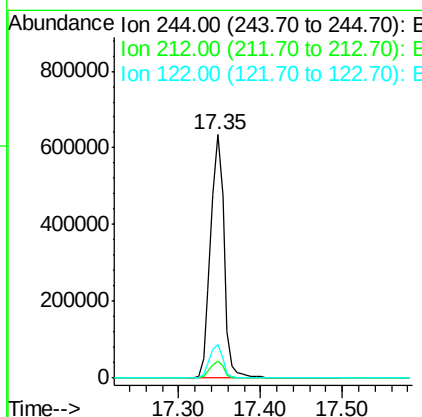
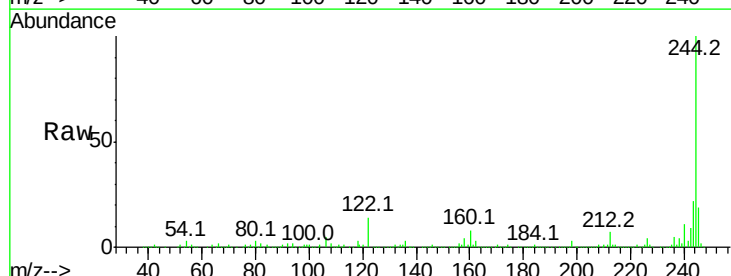
Instrument :
BNA_F
ClientSampleId :

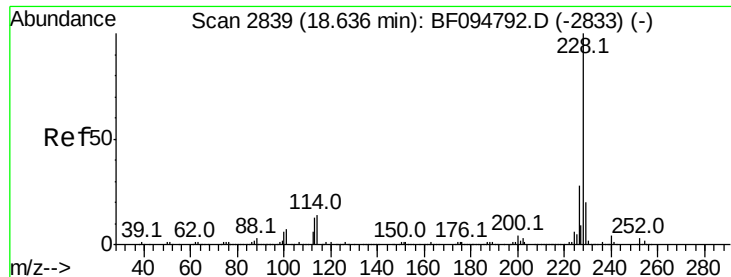
Tot Ion:202 Resp: 34123
Ion Ratio Lower Upper
202 100
200 19.5 17.6 26.4
203 19.6 14.4 21.6



#78
Terphenyl-d14
Concen: 81.07 ng
RT: 17.35 min Scan# 2620
Delta R.T. 0.04 min
Lab File: BF095137.D
Acq: 15 May 2017 21:23

Tgt Ion:244 Resp: 738136
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 13.9 10.3 15.5





#80

Benzo(a)anthracene

Concen: 2.10 ng

RT: 18.69 min Scan# 2848

Delta R.T. 0.05 min

Lab File: BF095137.D

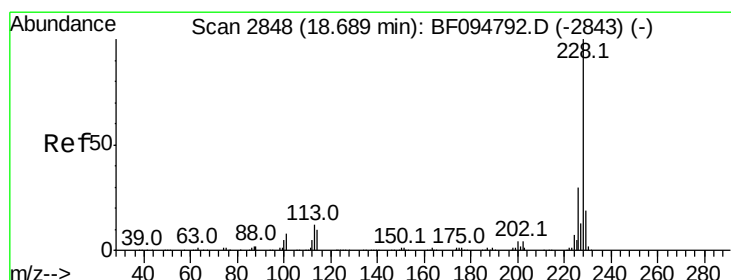
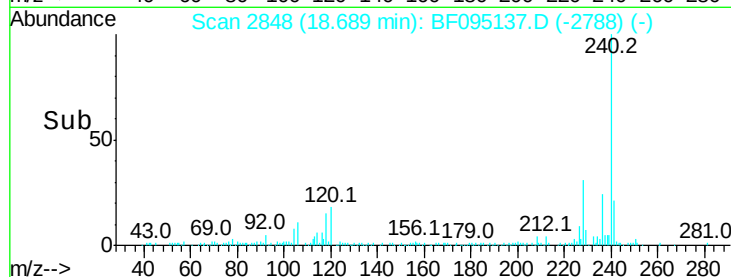
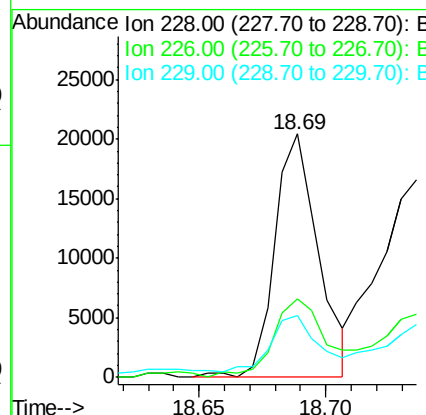
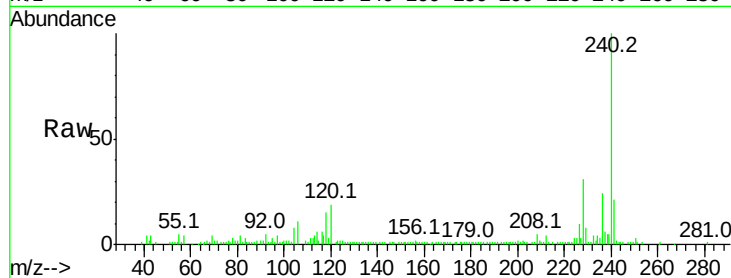
Acq: 15 May 2017 21:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	24519
Ion	Ratio	Lower Upper
228	100	
226	32.4	22.6 33.8
229	25.5	16.3 24.5#



#82

Chrysene

Concen: 2.52 ng

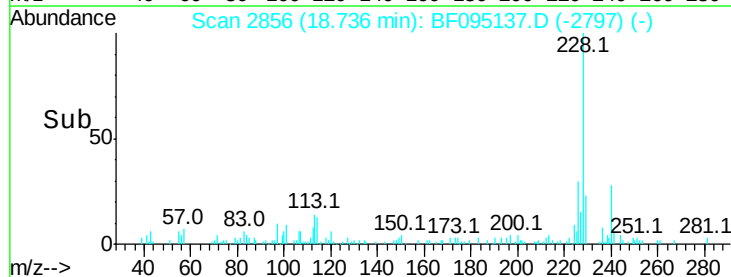
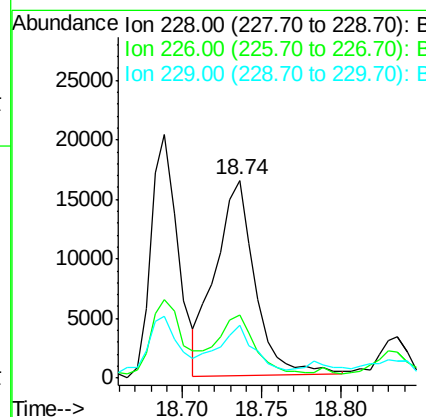
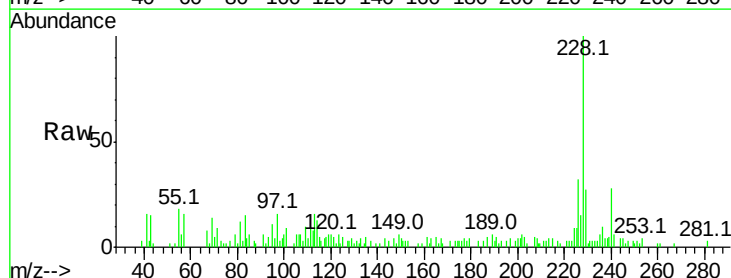
RT: 18.74 min Scan# 2856

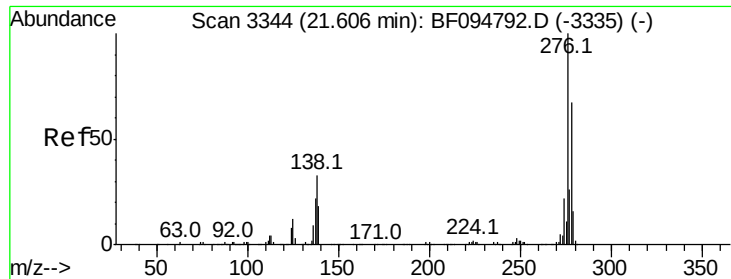
Delta R.T. 0.05 min

Lab File: BF095137.D

Acq: 15 May 2017 21:23

Tgt Ion:228	Resp:	28450
Ion	Ratio	Lower Upper
228	100	
226	31.7	24.9 37.3
229	26.5	15.8 23.6#





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.27 ng

RT: 21.73 min Scan# 3365

Delta R.T. 0.12 min

Lab File: BF095137.D

Acq: 15 May 2017 21:23

Instrument :

BNA_F

ClientSampled :

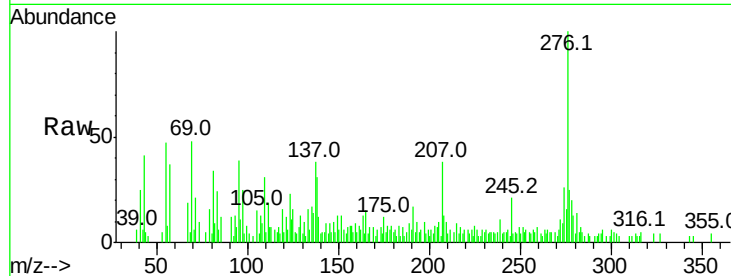
Tot Ion:276 Resp: 20823

Ion Ratio Lower Upper

276 100

138 28.4 27.8 41.6

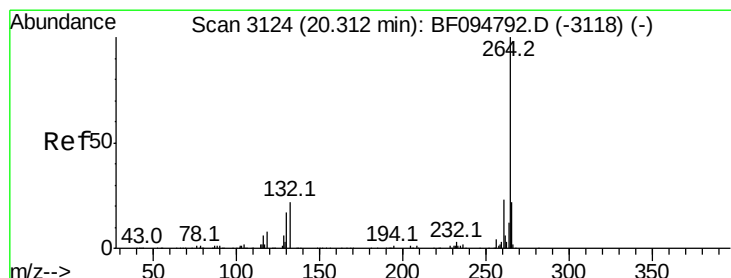
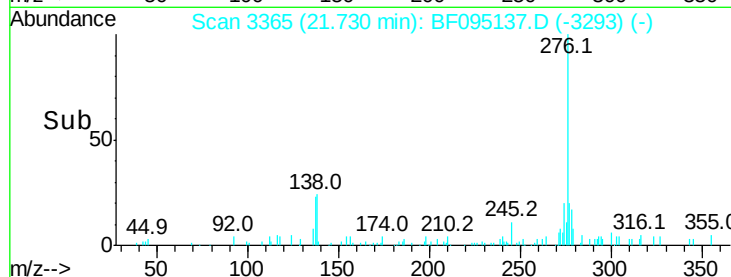
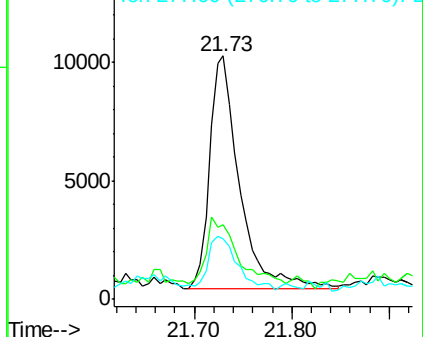
277 22.1 20.2 30.4



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: 20.38 min Scan# 3135

Delta R.T. 0.06 min

Lab File: BF095137.D

Acq: 15 May 2017 21:23

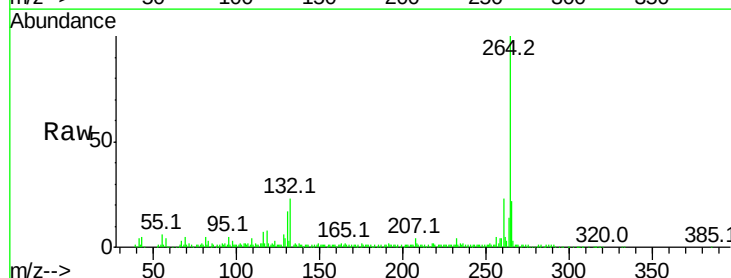
Tgt Ion:264 Resp: 166632

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

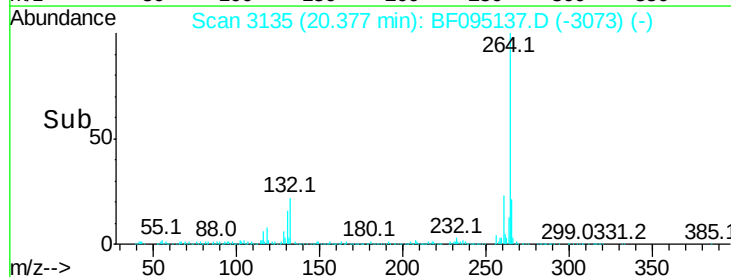
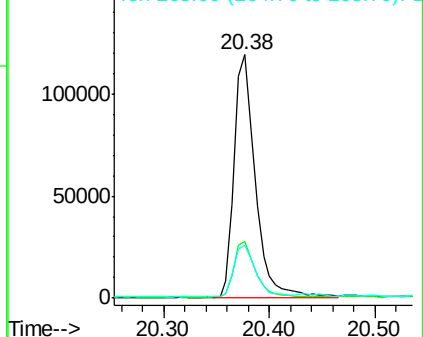
265 21.6 17.2 25.8

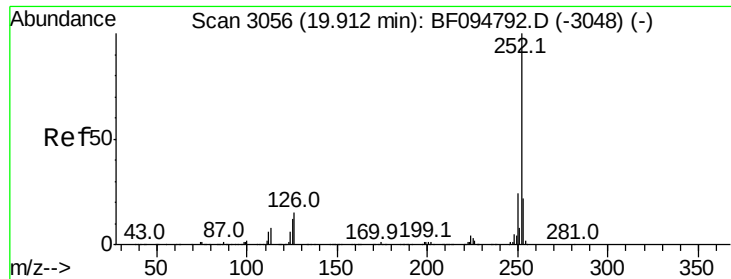


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.47 ng

RT: 19.97 min Scan# 3066

Delta R.T. 0.06 min

Lab File: BF095137.D

Acq: 15 May 2017 21:23

Instrument :

BNA_F

ClientSampleId :

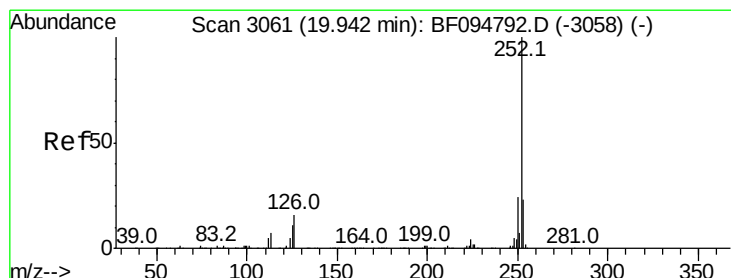
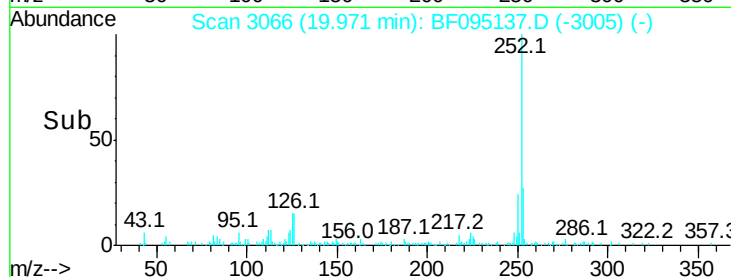
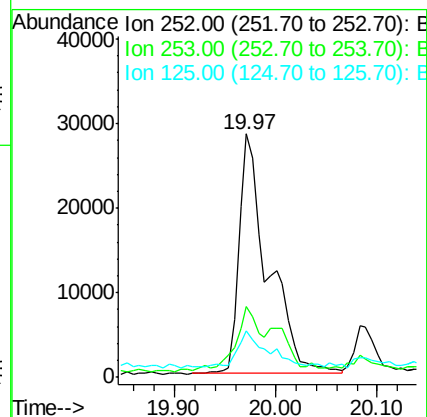
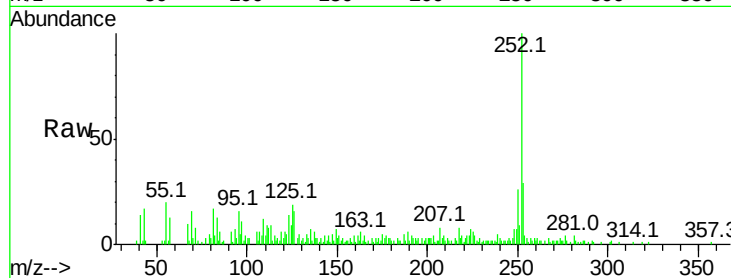
Tot Ion:252 Resp: 56294

Ion Ratio Lower Upper

252 100

253 28.9 18.1 27.1#

125 19.3 9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 5.67 ng

RT: 19.97 min Scan# 3066

Delta R.T. 0.03 min

Lab File: BF095137.D

Acq: 15 May 2017 21:23

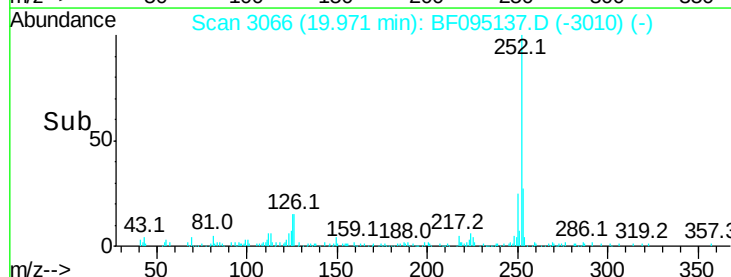
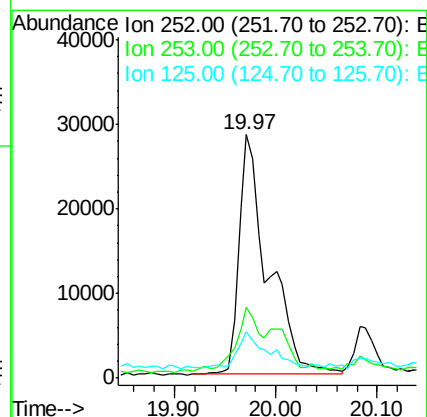
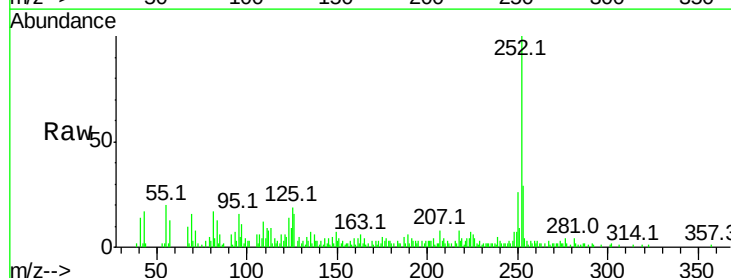
Tgt Ion:252 Resp: 56294

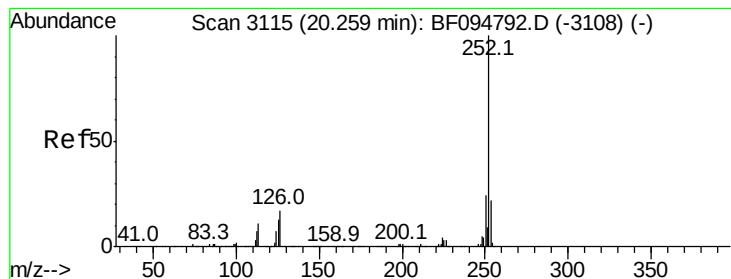
Ion Ratio Lower Upper

252 100

253 28.9 18.4 27.6#

125 19.3 13.1 19.7





#89

Benzo(a)pyrene

Concen: 3.44 ng

RT: 20.32 min Scan# 3126

Delta R.T. 0.06 min

Lab File: BF095137.D

Acq: 15 May 2017 21:23

Instrument :

BNA_F

ClientSampled :

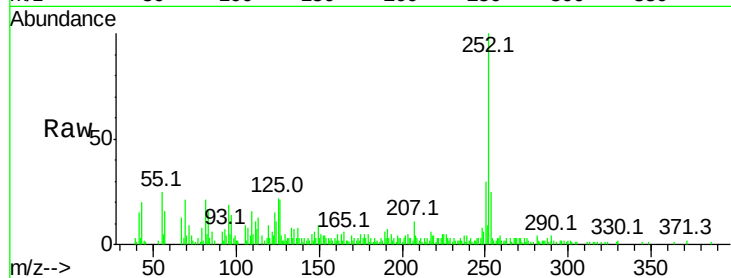
Tot Ion:252 Resp: 32703

Ion Ratio Lower Upper

252 100

253 24.7 17.5 26.3

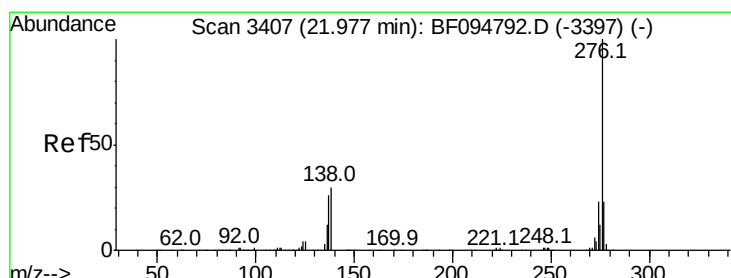
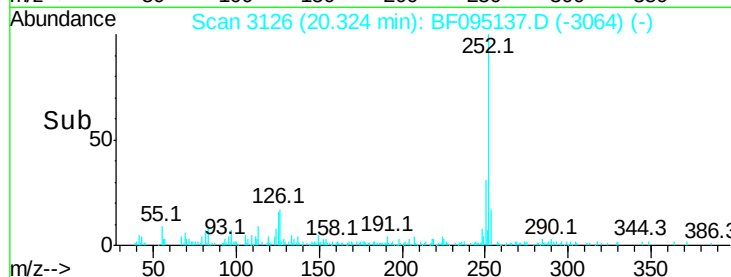
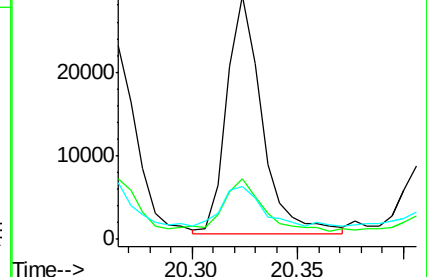
125 21.8 11.0 16.4#



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: 3.10 ng

RT: 22.12 min Scan# 3431

Delta R.T. 0.14 min

Lab File: BF095137.D

Acq: 15 May 2017 21:23

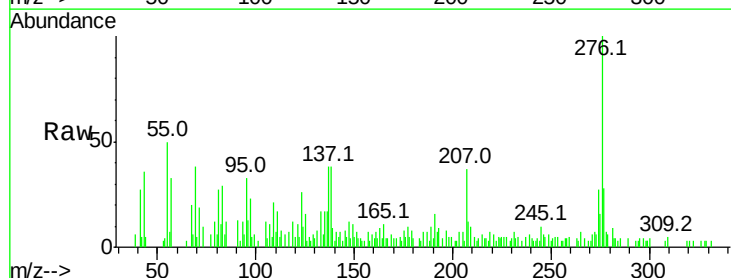
Tgt Ion:276 Resp: 23877

Ion Ratio Lower Upper

276 100

277 27.9 18.6 28.0

138 37.7 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

