

Data File : BF095815.D
Acq On : 9 Jun 2017 11:43
Operator : SJ/MA
Sample : I3457-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-16

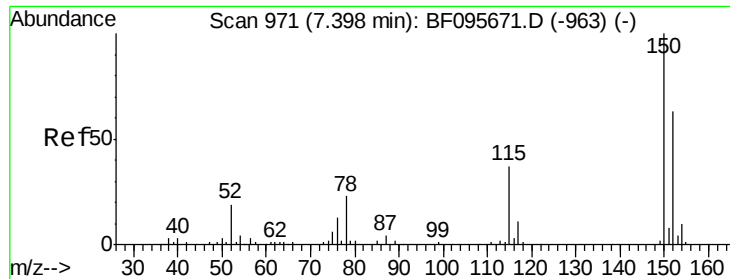
Quant Time: Jun 10 01:19:57 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	70826	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	285839	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	129948	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	227113	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	148326	20.00	ng	-0.02
86) Perylene-d12	20.00	264	138398	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	521305	117.28	ng	-0.02
7) Phenol-d6	6.93	99	631375	118.65	ng	-0.03
23) Nitrobenzene-d5	8.28	82	356995	77.56	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	126807	110.29	ng	-0.04
44) 2-Fluorobiphenyl	11.18	172	598321	64.07	ng	-0.04
78) Terphenyl-d14	16.99	244	426210	71.31	ng	-0.02

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	8.28	70	44452	13.18	ng	# 78
31) Naphthalene	9.43	128	53247	3.71	ng	98
49) Dimethylphthalate	11.87	163	88652	8.99	ng	100
54) Dibenzofuran	12.56	168	30126	2.59	ng	95
55) 4-Nitrophenol	12.56	139	11027	11.72	ng	# 25
70) Phenanthrene	14.65	178	324127	24.73	ng	98
71) Anthracene	14.65	178	324127	23.69	ng	98
72) Carbazole	15.04	167	28249	2.12	ng	99
74) Fluoranthene	16.43	202	331563	25.56	ng	98
77) Pyrene	16.73	202	283156	25.58	ng	97
80) Benzo(a)anthracene	18.32	228	90316	10.47	ng	95
82) Chrysene	18.36	228	98548	11.43	ng	99
83) Bis(2-ethylhexyl)phthalate	18.41	149	54136	7.94	ng	# 99
85) Indeno(1,2,3-cd)pyrene	21.18	276	42587	5.78	ng	# 90
87) Benzo(b)fluoranthene	19.60	252	132079	15.24	ng	# 96
88) Benzo(k)fluoranthene	19.60	252	132079	15.95	ng	99
89) Benzo(a)pyrene	19.94	252	72132	9.06	ng	# 91
91) Benzo(g,h,i)perylene	21.51	276	41706	6.05	ng	95

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

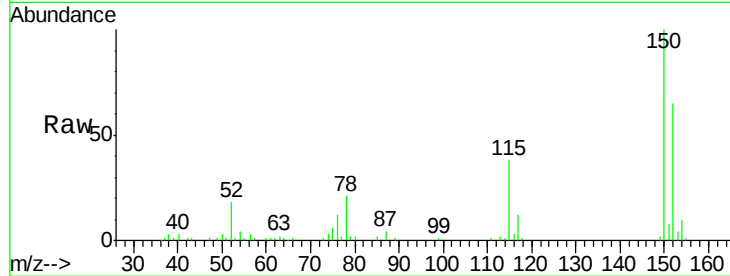


#1

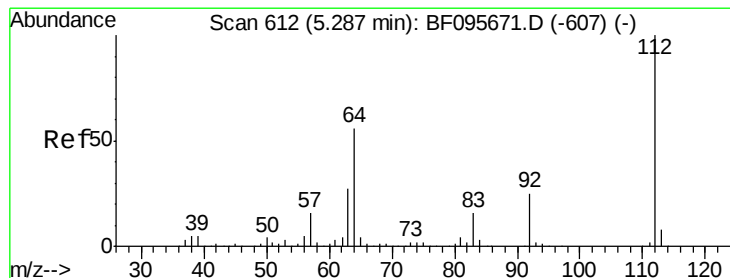
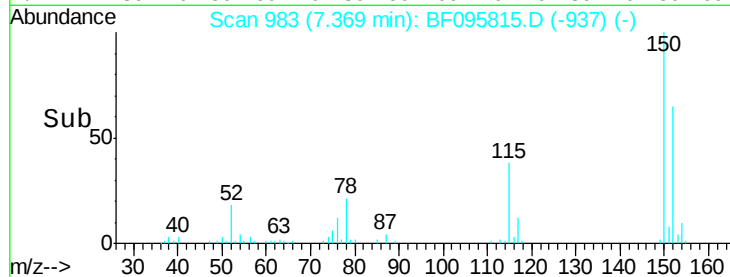
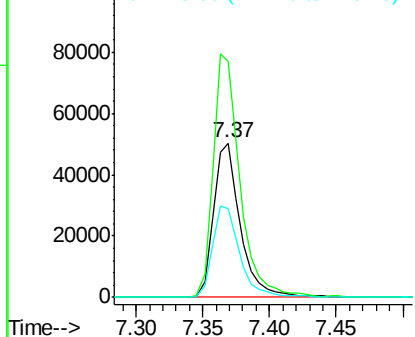
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095815.D
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Tgt Ion:152 Resp: 70826
Ion Ratio Lower Upper
152 100
150 152.9 126.2 189.2
115 57.8 52.2 78.2



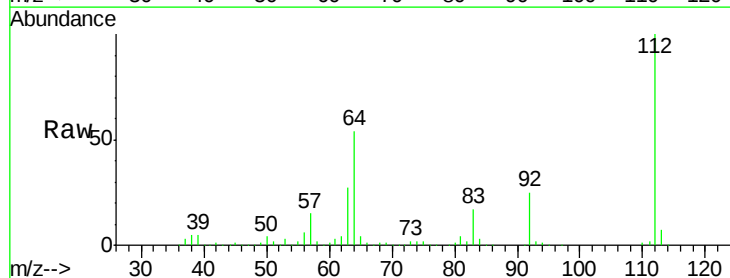
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



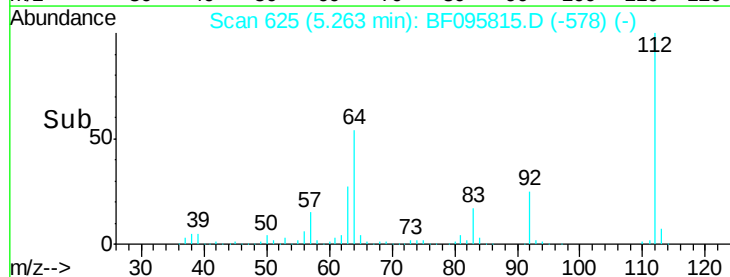
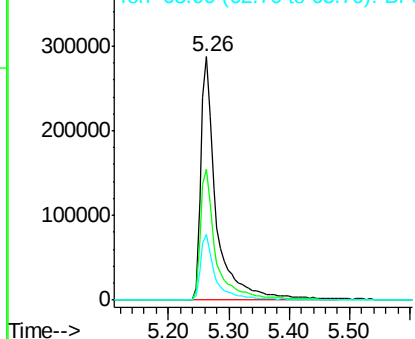
#5

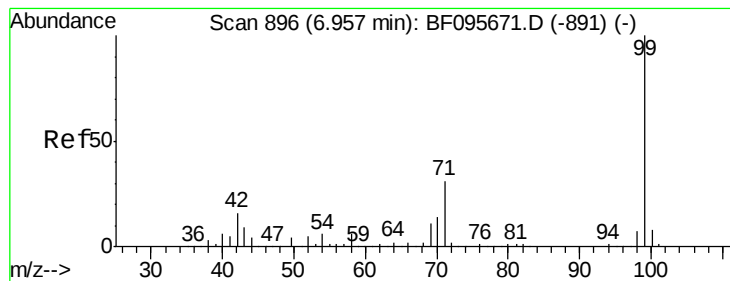
2-Fluorophenol
Concen: 117.28 ng
RT: 5.26 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF095815.D
Acq: 9 Jun 2017 11:43

Tgt Ion:112 Resp: 521305
Ion Ratio Lower Upper
112 100
64 53.6 46.0 69.0
63 26.8 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: 118.65 ng

RT: 6.93 min Scan# 908

Delta R.T. -0.03 min

Lab File: BF095815.D

Acq: 9 Jun 2017 11:43

Instrument :

BNA_F

ClientSampled :

S-16

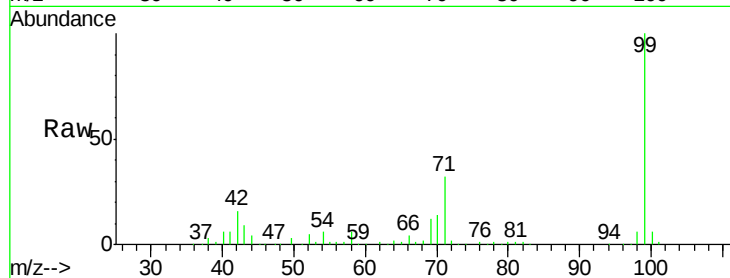
Tgt Ion: 99 Resp: 631375

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

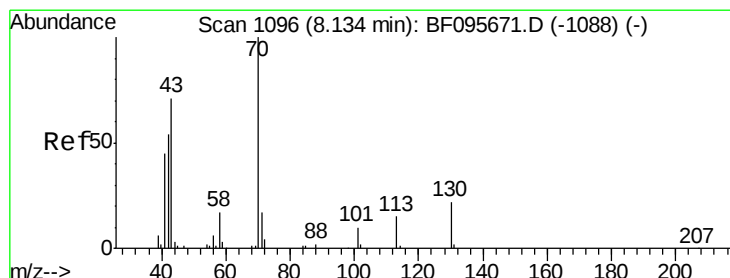
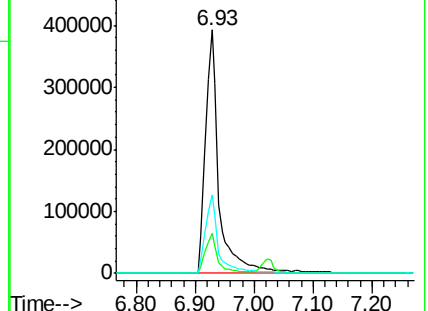
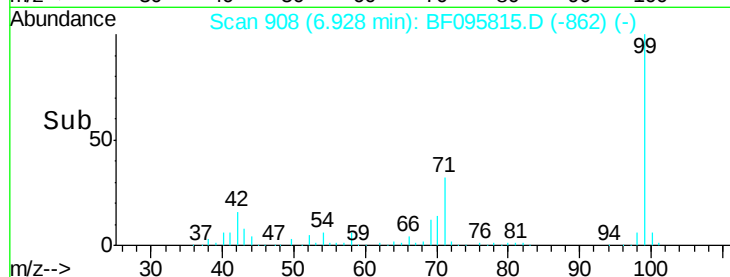
71 32.2 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.18 ng

RT: 8.28 min Scan# 1138

Delta R.T. 0.15 min

Lab File: BF095815.D

Acq: 9 Jun 2017 11:43

Tgt Ion: 70 Resp: 44452

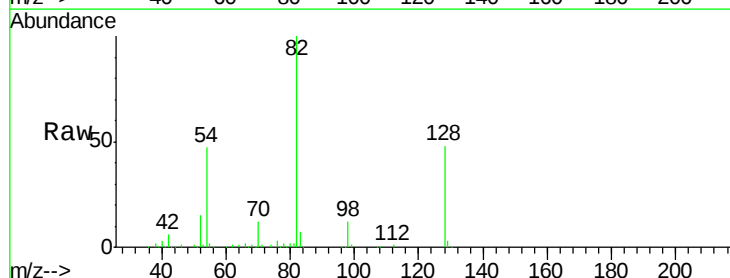
Ion Ratio Lower Upper

70 100

42 47.2 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

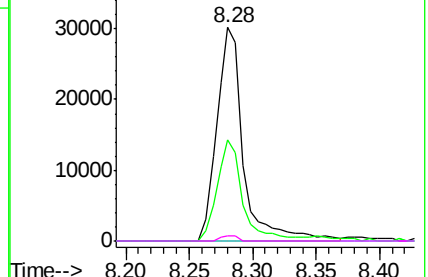
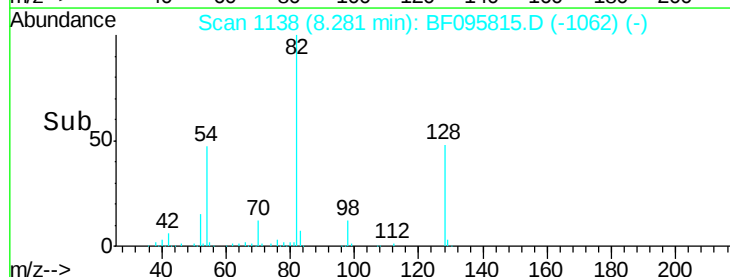


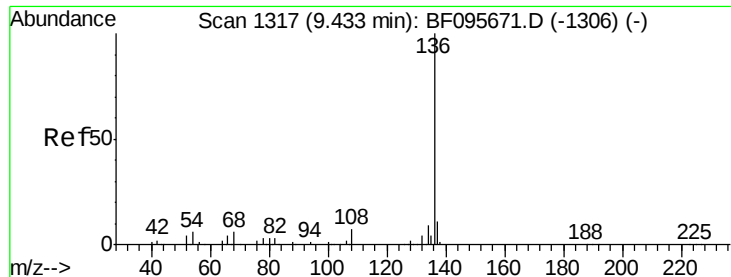
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

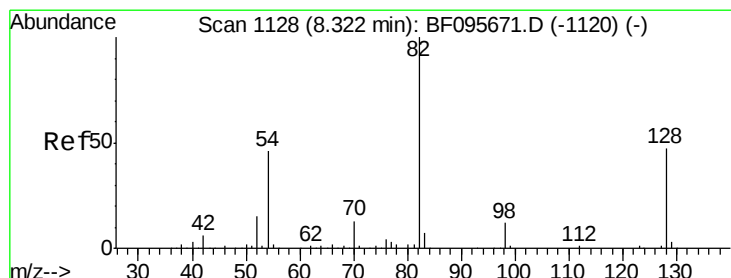
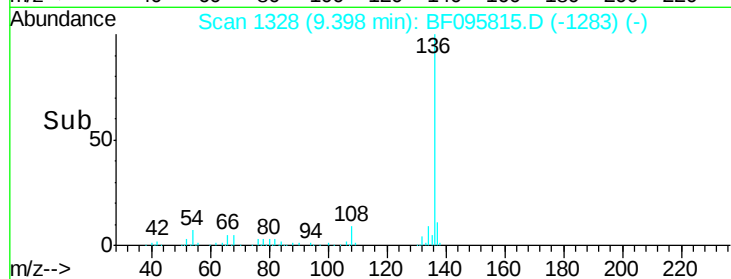
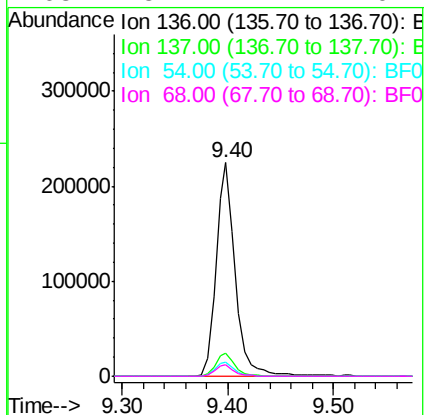
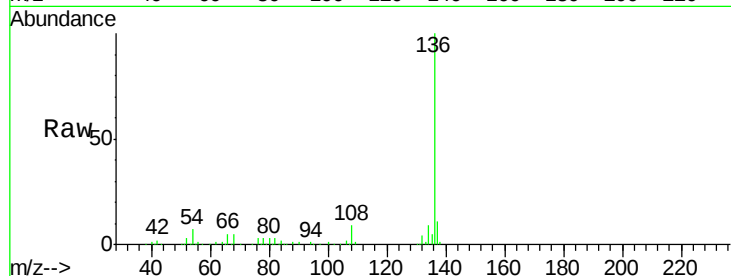




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.40 min Scan# 1328
Delta R.T. -0.04 min
Lab File: BF095815.D
Acq: 9 Jun 2017 11:43

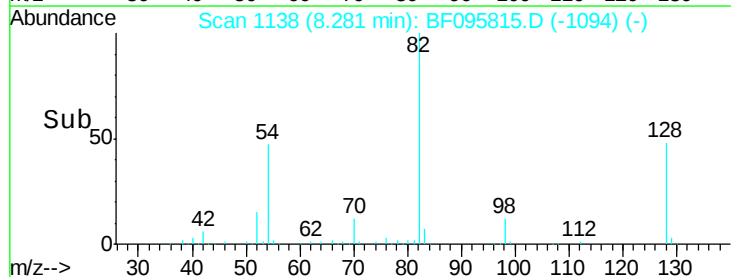
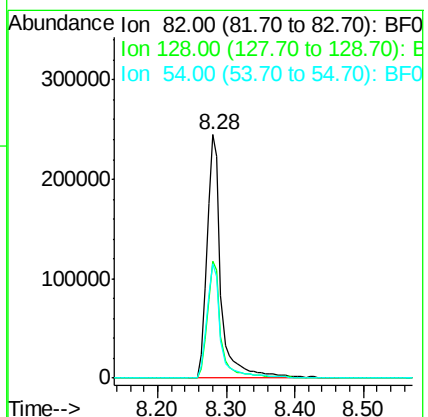
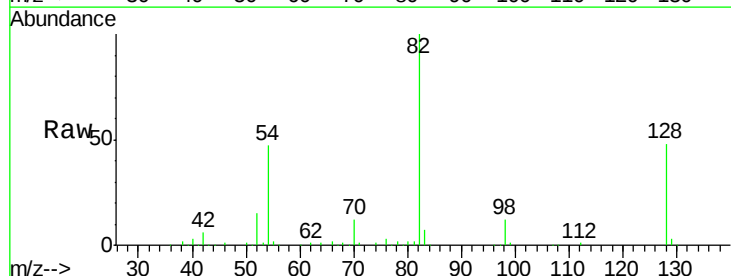
Instrument :
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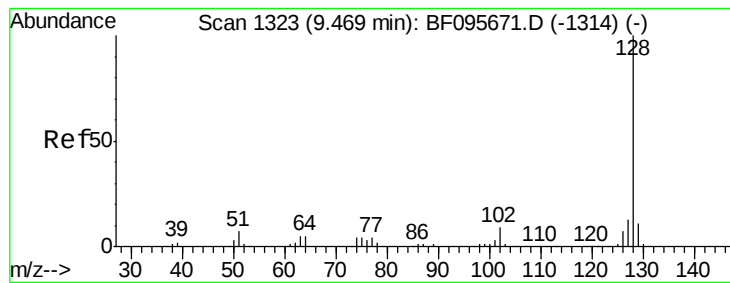
Tgt Ion:	136	Resp:	285839
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	6.7	4.9	7.3
68	5.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 77.56 ng
RT: 8.28 min Scan# 1138
Delta R.T. -0.04 min
Lab File: BF095815.D
Acq: 9 Jun 2017 11:43

Tgt Ion:	82	Resp:	356995
Ion	Ratio	Lower	Upper
82	100		
128	47.9	34.0	51.0
54	46.7	42.2	63.2





#31

Naphthalene

Concen: 3.71 ng

RT: 9.43 min Scan# 1334

Delta R.T. -0.04 min

Lab File: BF095815.D

Acq: 9 Jun 2017 11:43

Instrument :

BNA_F

ClientSampleId :

S-16

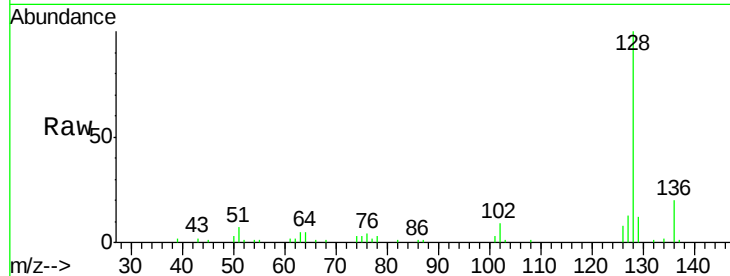
Tgt Ion:128 Resp: 53247

Ion Ratio Lower Upper

128 100

129 12.5 9.0 13.6

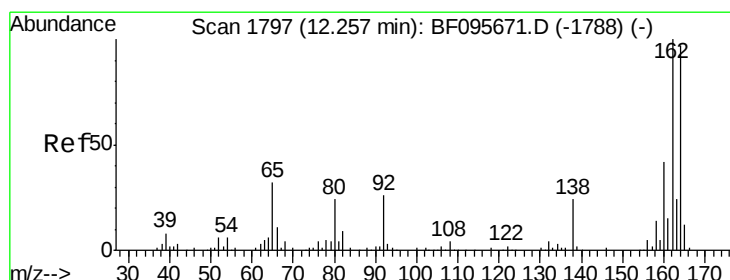
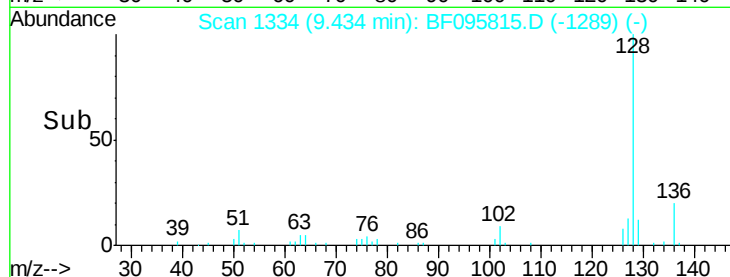
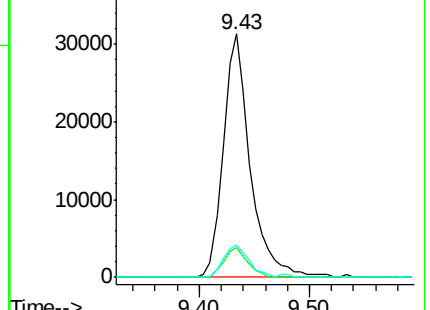
127 13.2 10.8 16.2



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.22 min Scan# 1808

Delta R.T. -0.04 min

Lab File: BF095815.D

Acq: 9 Jun 2017 11:43

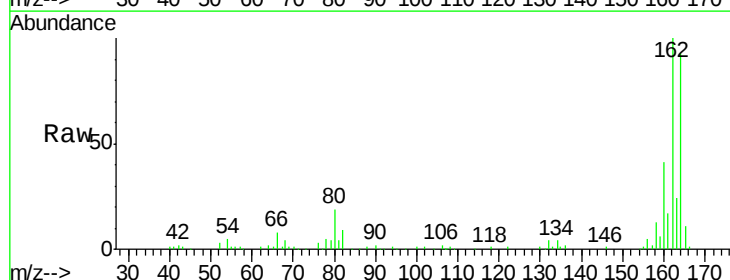
Tgt Ion:164 Resp: 129948

Ion Ratio Lower Upper

164 100

162 107.0 82.6 123.8

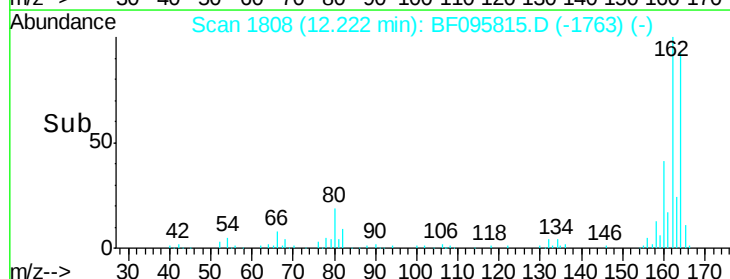
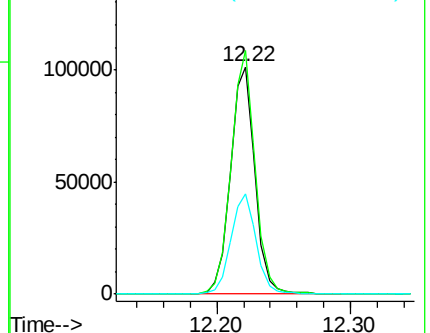
160 44.3 36.2 54.2

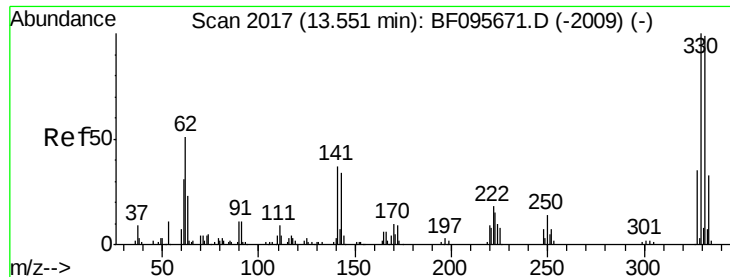


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

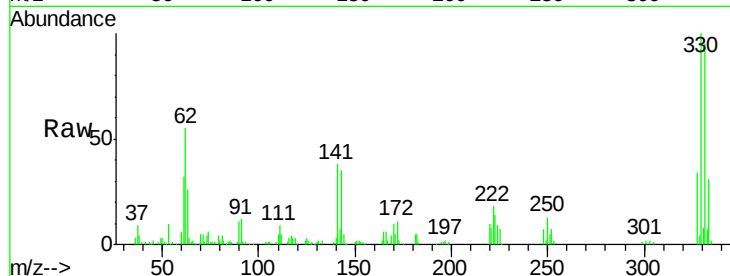




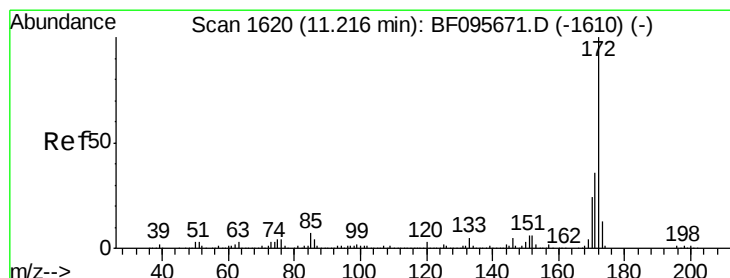
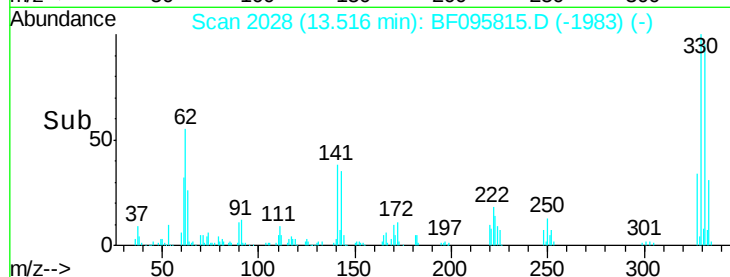
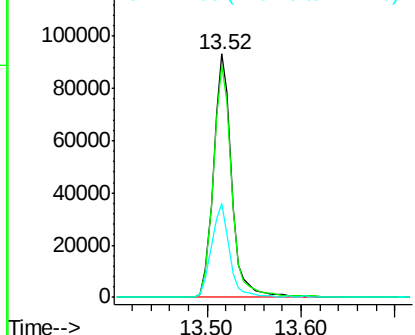
#41
 2,4,6-Tribromophenol
 Concen: 110.29 ng
 RT: 13.52 min Scan# 2028
 Delta R.T. -0.04 min
 Lab File: BF095815.D
 Acq: 9 Jun 2017 11:43

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:330 Resp: 126807
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 115.0
 141 38.6 31.4 47.2

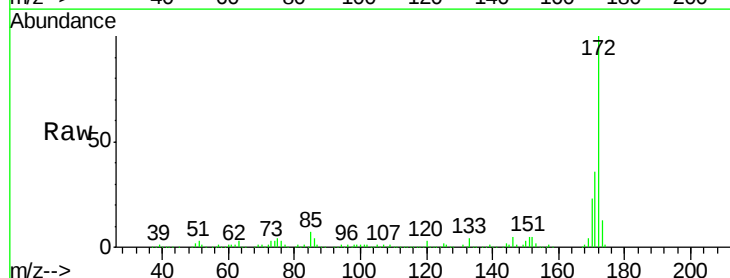


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

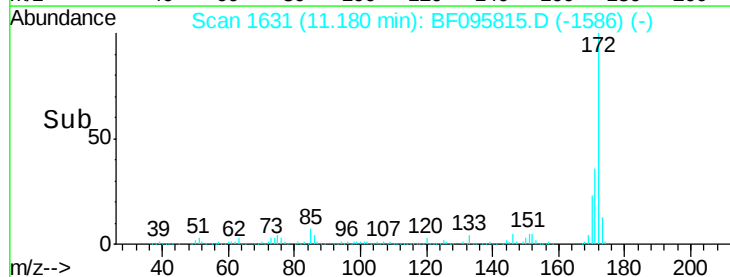
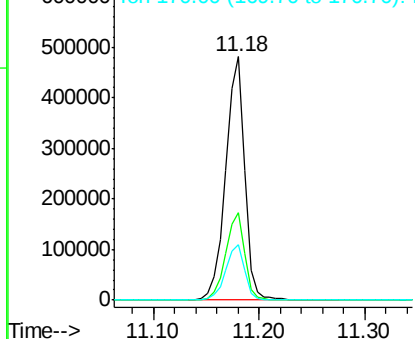


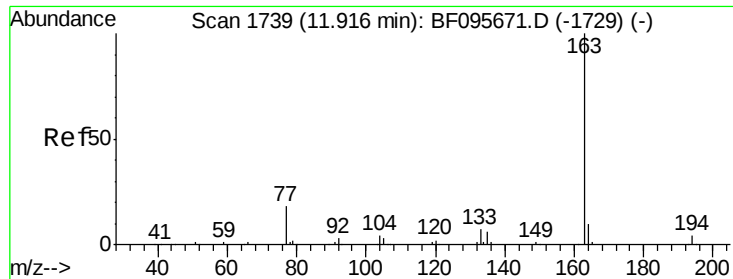
#44
 2-Fluorobiphenyl
 Concen: 64.07 ng
 RT: 11.18 min Scan# 1631
 Delta R.T. -0.04 min
 Lab File: BF095815.D
 Acq: 9 Jun 2017 11:43

Tgt Ion:172 Resp: 598321
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 22.9 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 8.99 ng

RT: 11.87 min Scan# 1748

Delta R.T. -0.05 min

Lab File: BF095815.D

Acq: 9 Jun 2017 11:43

Instrument :

BNA_F

ClientSampleId :

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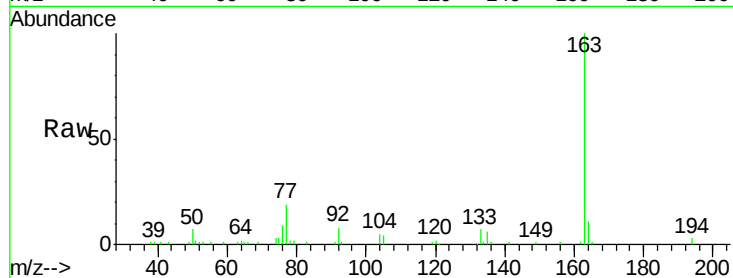
Tgt Ion:163 Resp: 88652

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

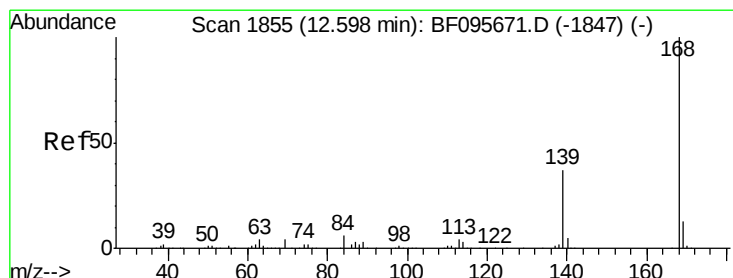
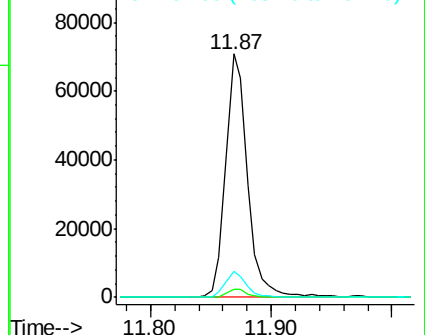
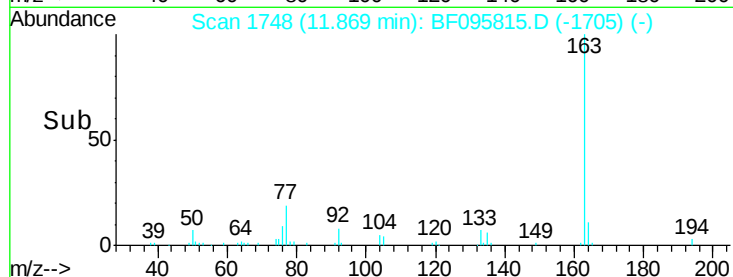
164 10.5 8.4 12.6



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: 2.59 ng

RT: 12.56 min Scan# 1866

Delta R.T. -0.04 min

Lab File: BF095815.D

Acq: 9 Jun 2017 11:43

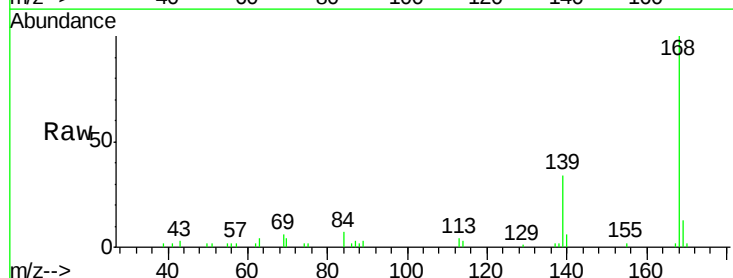
Tgt Ion:168 Resp: 30126

Ion Ratio Lower Upper

168 100

139 33.9 30.6 45.8

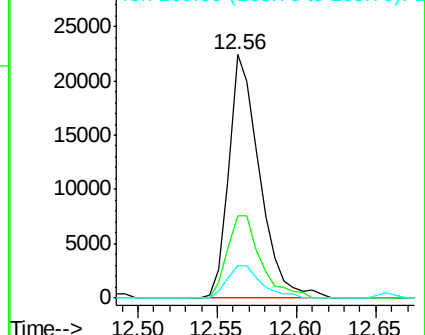
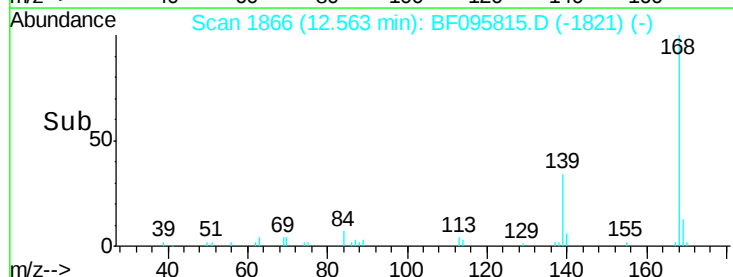
169 13.2 10.8 16.2

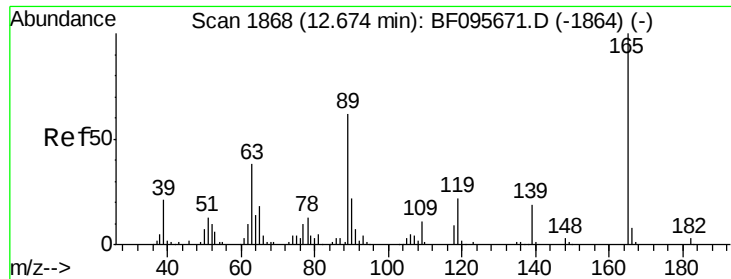


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

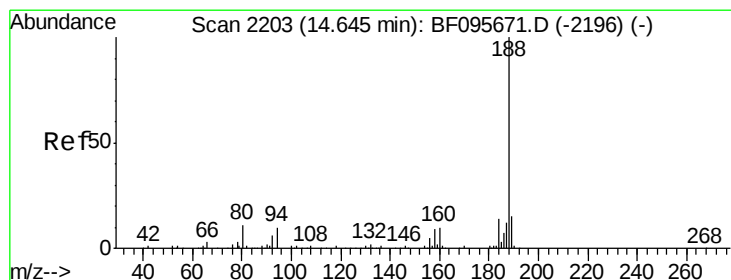
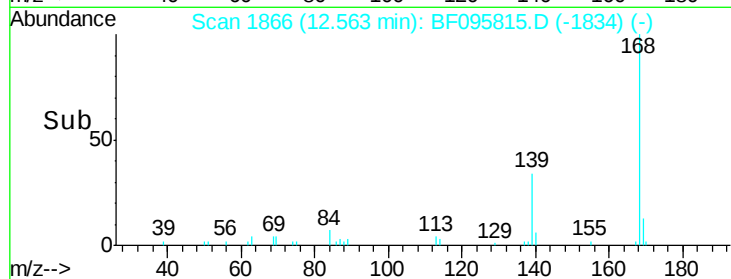
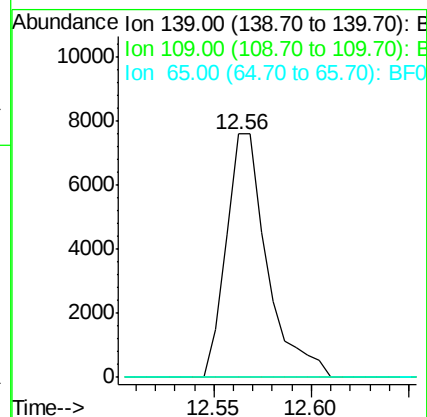
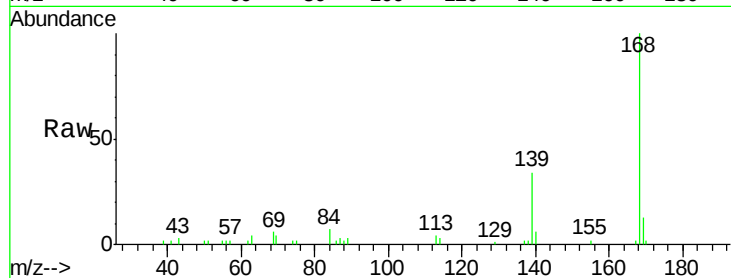




#55
4-Nitrophenol
Concen: 11.72 ng
RT: 12.56 min Scan# 1866
Delta R.T. -0.11 min
Lab File: BF095815.D
Acq: 9 Jun 2017 11:43

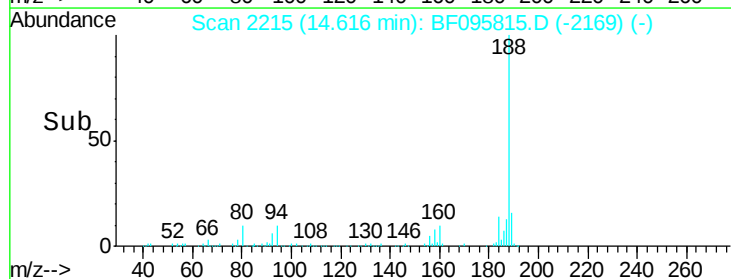
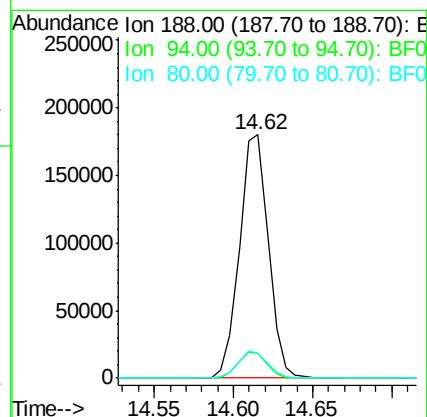
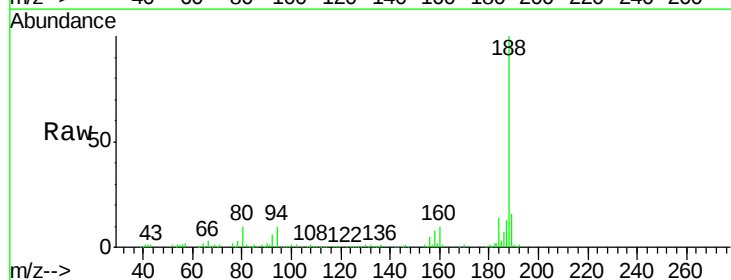
Instrument :
BNA_F
ClientSampleId :
S-16

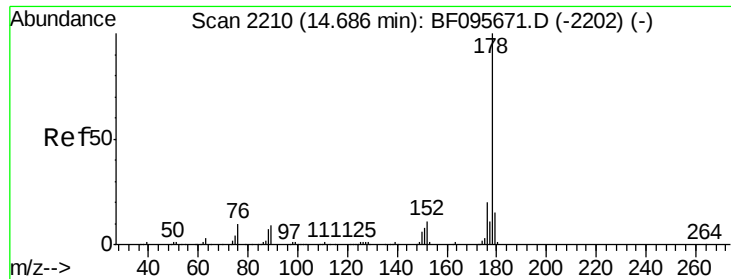
Tgt Ion:139 Resp: 11027
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095815.D
Acq: 9 Jun 2017 11:43

Tgt Ion:188 Resp: 227113
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.2
80 10.4 10.2 15.2





#70

Phenanthrene

Concen: 24.73 ng

RT: 14.65 min Scan# 2221

Delta R.T. -0.04 min

Lab File: BF095815.D

Acq: 9 Jun 2017 11:43

Instrument :

BNA_F

ClientSampleId :

S-16

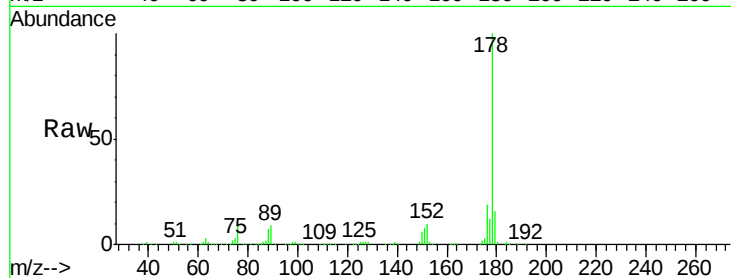
Tgt Ion:178 Resp: 324127

Ion Ratio Lower Upper

178 100

176 18.6 16.2 24.4

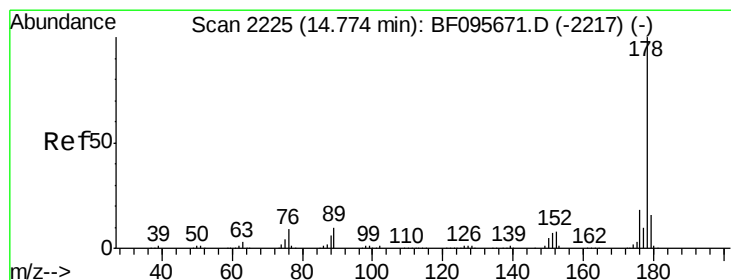
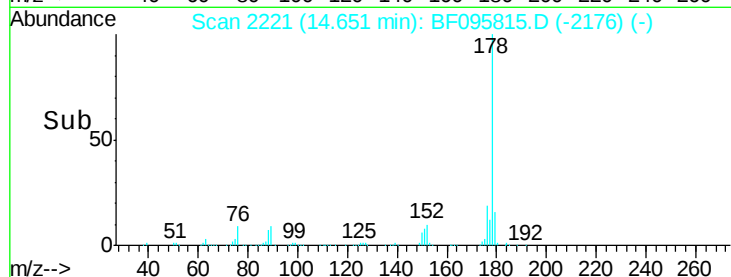
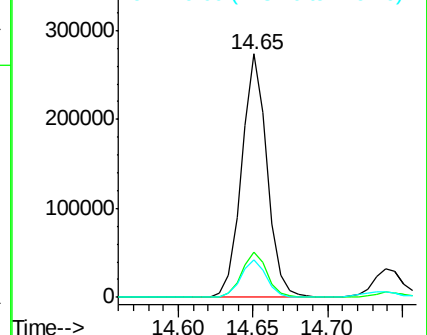
179 15.6 12.6 19.0



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: 23.69 ng

RT: 14.65 min Scan# 2221

Delta R.T. -0.12 min

Lab File: BF095815.D

Acq: 9 Jun 2017 11:43

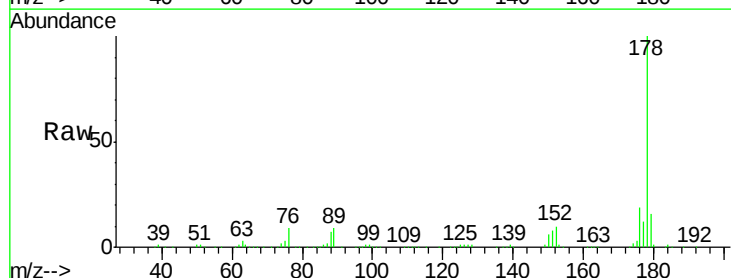
Tgt Ion:178 Resp: 324127

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

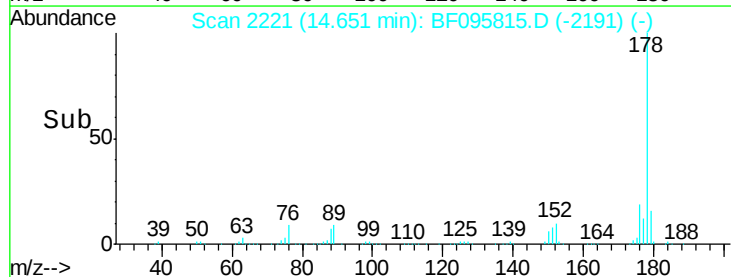
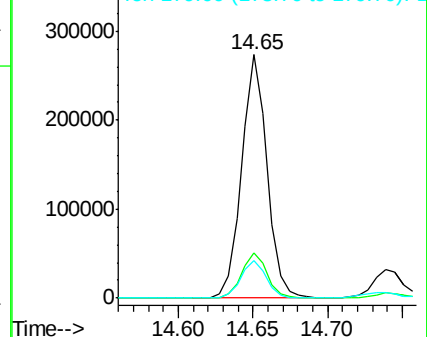
179 15.6 12.7 19.1

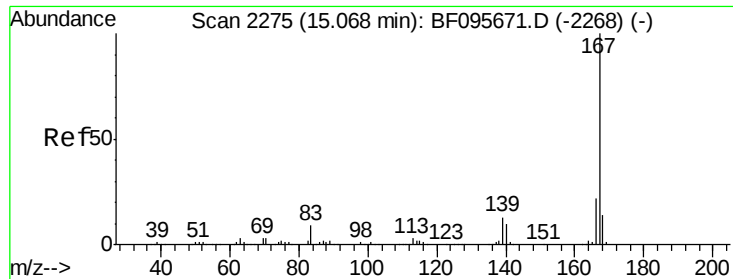


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.12 ng

RT: 15.04 min Scan# 2288

Delta R.T. -0.02 min

Lab File: BF095815.D

Acq: 9 Jun 2017 11:43

Instrument :

BNA_F

ClientSampleId :

S-16

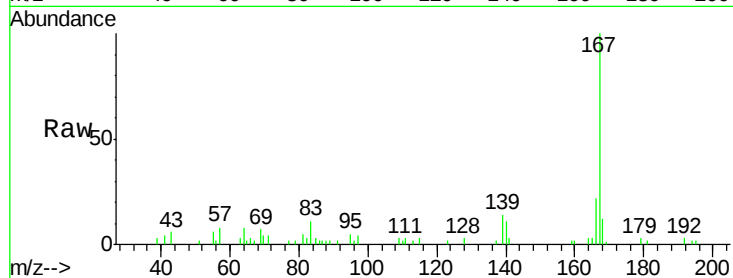
Tgt Ion:167 Resp: 28249

Ion Ratio Lower Upper

167 100

166 22.4 18.1 27.1

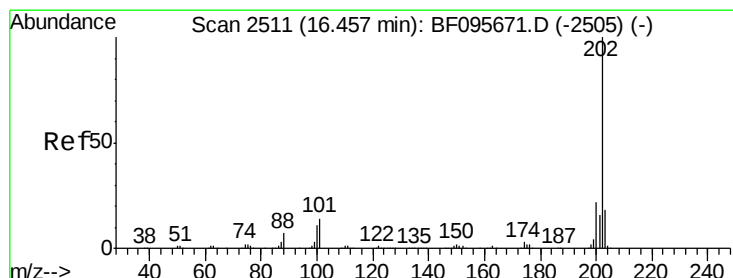
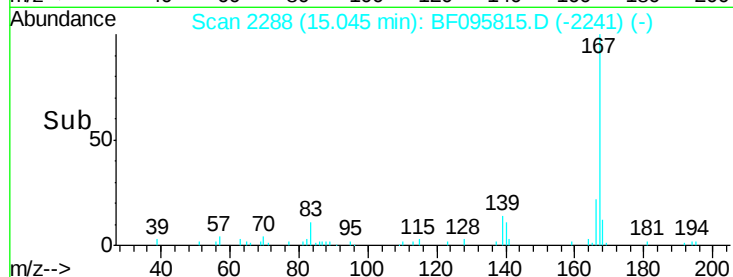
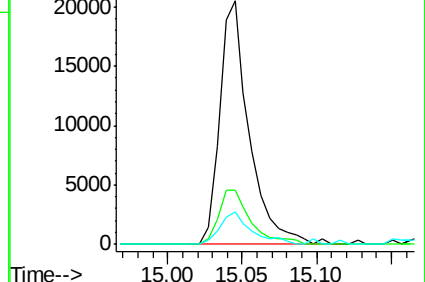
139 13.5 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 25.56 ng

RT: 16.43 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BF095815.D

Acq: 9 Jun 2017 11:43

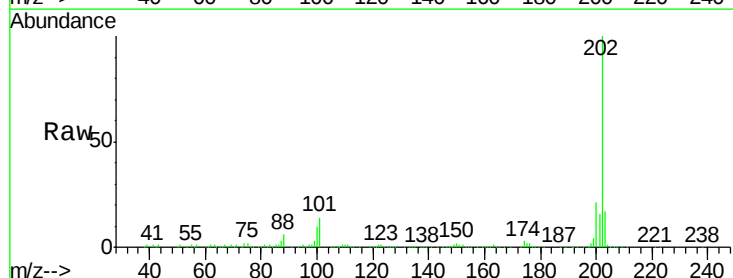
Tgt Ion:202 Resp: 331563

Ion Ratio Lower Upper

202 100

101 13.5 0.0 33.2

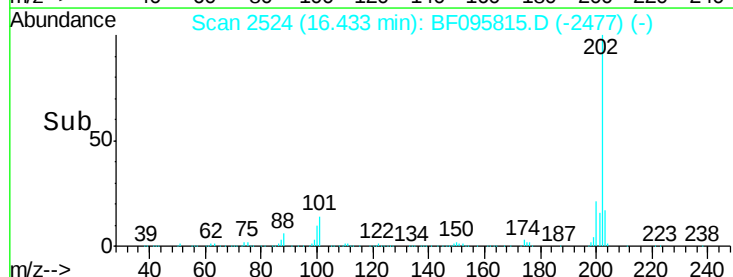
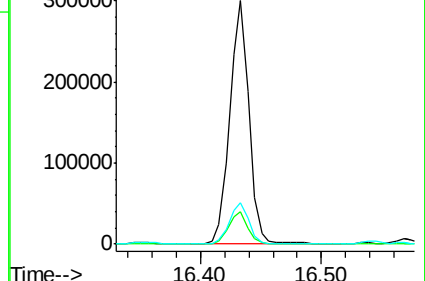
203 17.1 0.0 38.1

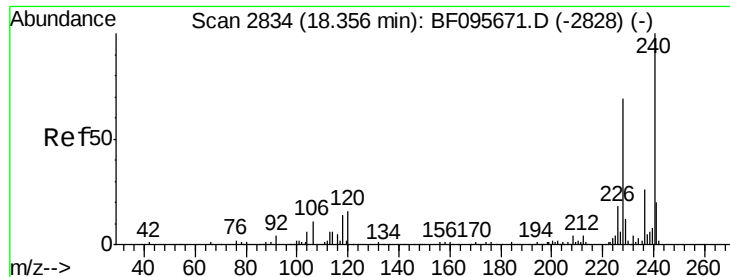


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.33 min Scan# 2847

Delta R.T. -0.02 min

Lab File: BF095815.D

Acq: 9 Jun 2017 11:43

Instrument :

BNA_F

ClientSampleId :

S-16

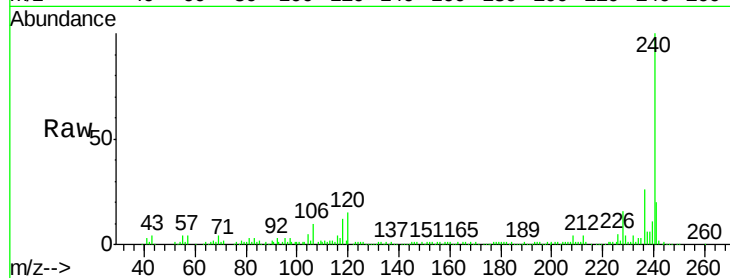
Tgt Ion:240 Resp: 148326

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

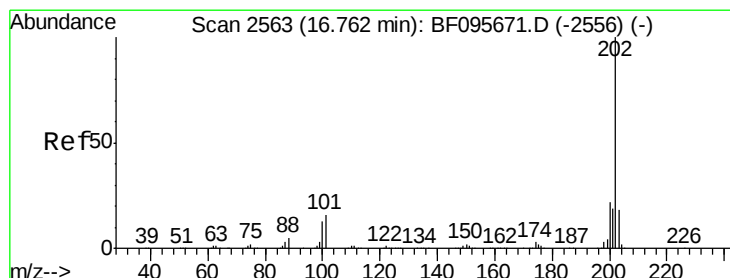
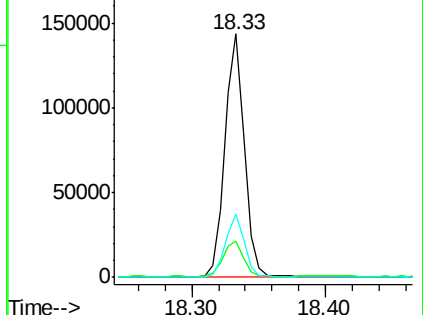
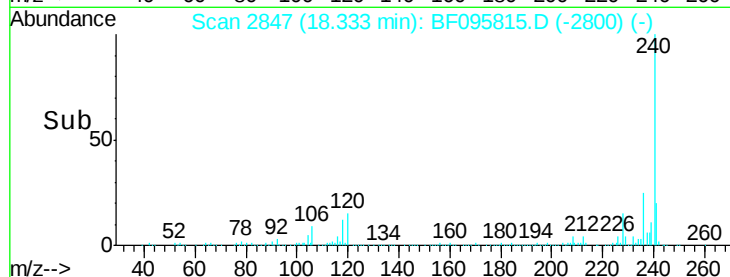
236 25.7 20.5 30.7



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: 25.58 ng

RT: 16.73 min Scan# 2575

Delta R.T. -0.03 min

Lab File: BF095815.D

Acq: 9 Jun 2017 11:43

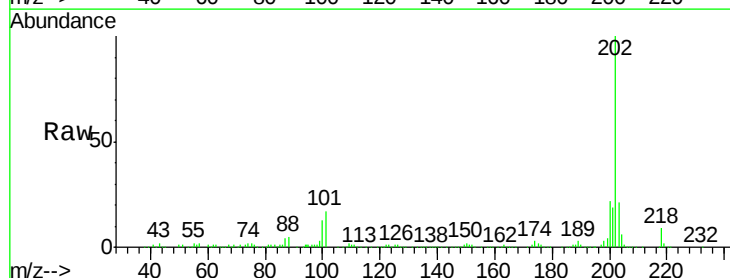
Tgt Ion:202 Resp: 283156

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

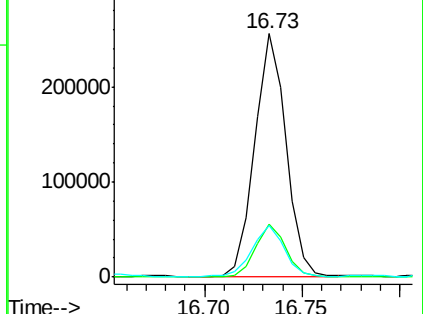
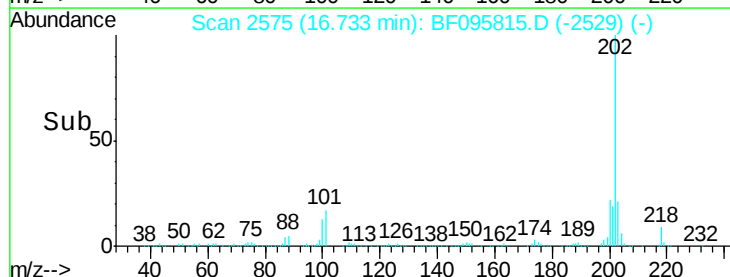
203 21.1 14.4 21.6

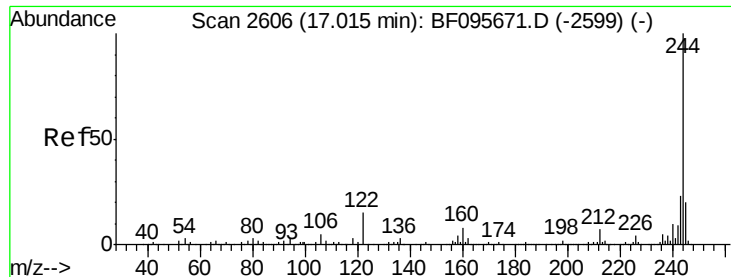


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 71.31 ng

RT: 16.99 min Scan# 2619

Delta R.T. -0.02 min

Lab File: BF095815.D

Acq: 9 Jun 2017 11:43

Instrument :

BNA_F

ClientSampleId :

S-16

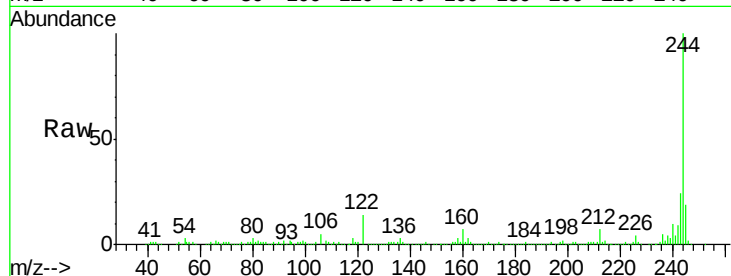
Tgt Ion:244 Resp: 426210

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

122 14.2 10.3 15.5

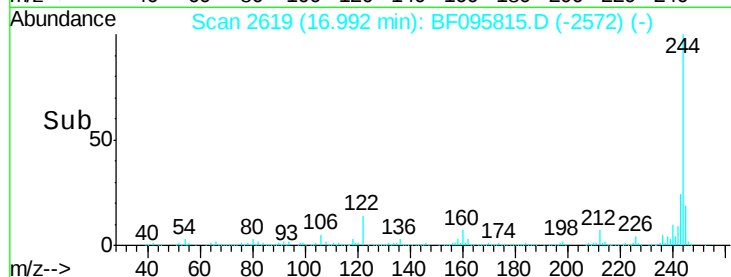


Abundance Ion 244.00 (243.70 to 244.70): E

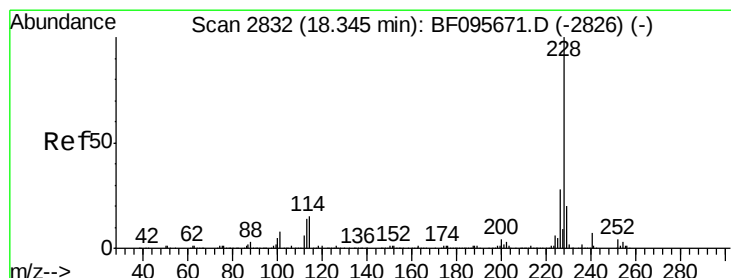
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



Time-->



#80

Benzo(a)anthracene

Concen: 10.47 ng

RT: 18.32 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF095815.D

Acq: 9 Jun 2017 11:43

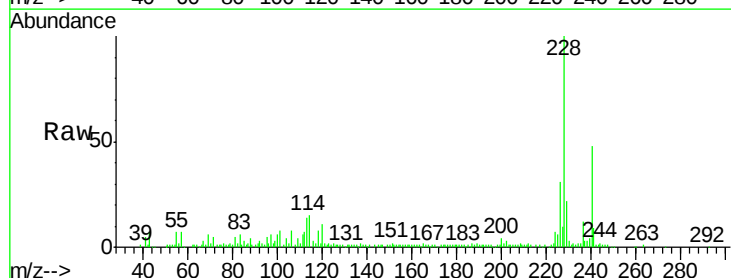
Tgt Ion:228 Resp: 90316

Ion Ratio Lower Upper

228 100

226 31.0 22.6 33.8

229 22.2 16.3 24.5

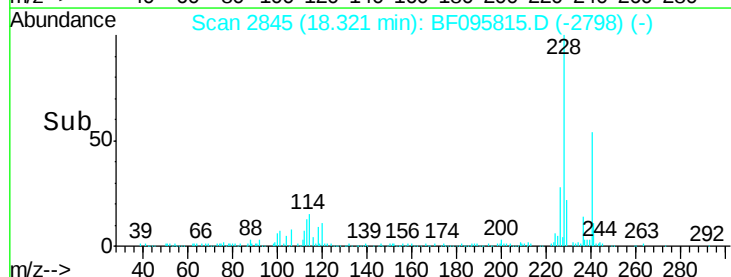


Abundance Ion 228.00 (227.70 to 228.70): E

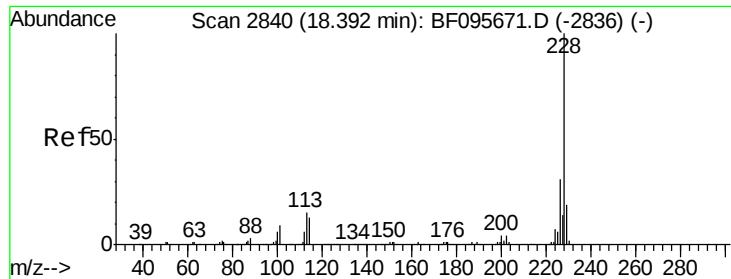
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



Time-->



#82

Chrysene

Concen: 11.43 ng

RT: 18.36 min Scan# 2852

Delta R.T. -0.03 min

Lab File: BF095815.D

Acq: 9 Jun 2017 11:43

Instrument :

BNA_F

ClientSampleId :

S-16

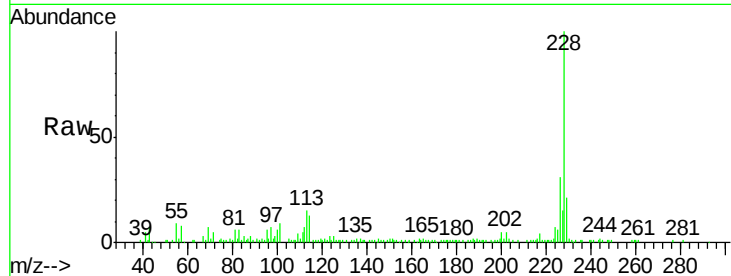
Tgt Ion:228 Resp: 98548

Ion Ratio Lower Upper

228 100

226 31.4 24.9 37.3

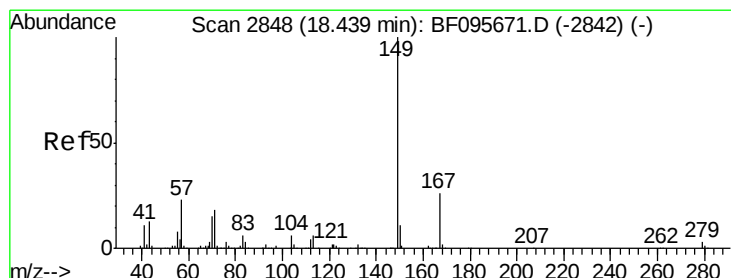
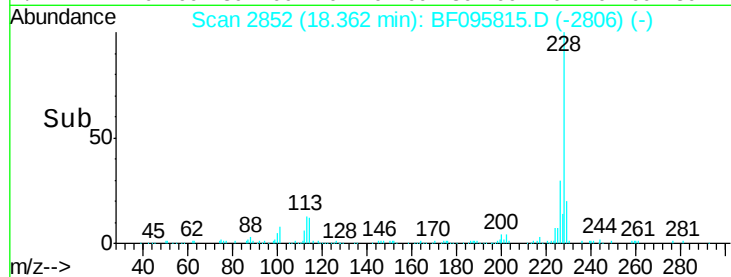
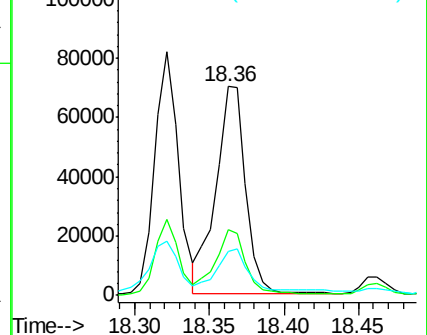
229 20.9 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 7.94 ng

RT: 18.41 min Scan# 2860

Delta R.T. -0.03 min

Lab File: BF095815.D

Acq: 9 Jun 2017 11:43

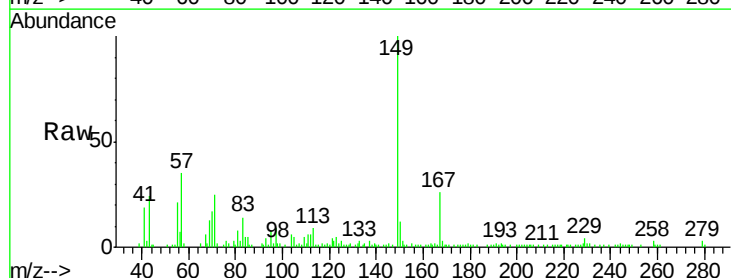
Tgt Ion:149 Resp: 54136

Ion Ratio Lower Upper

149 100

167 25.5 21.0 31.4

279 3.4 1.9 2.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

