

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
 Data File : BF099016.D
 Acq On : 2 Oct 2017 22:52
 Operator : SJ/JU
 Sample : I5532-11 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 01:04:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

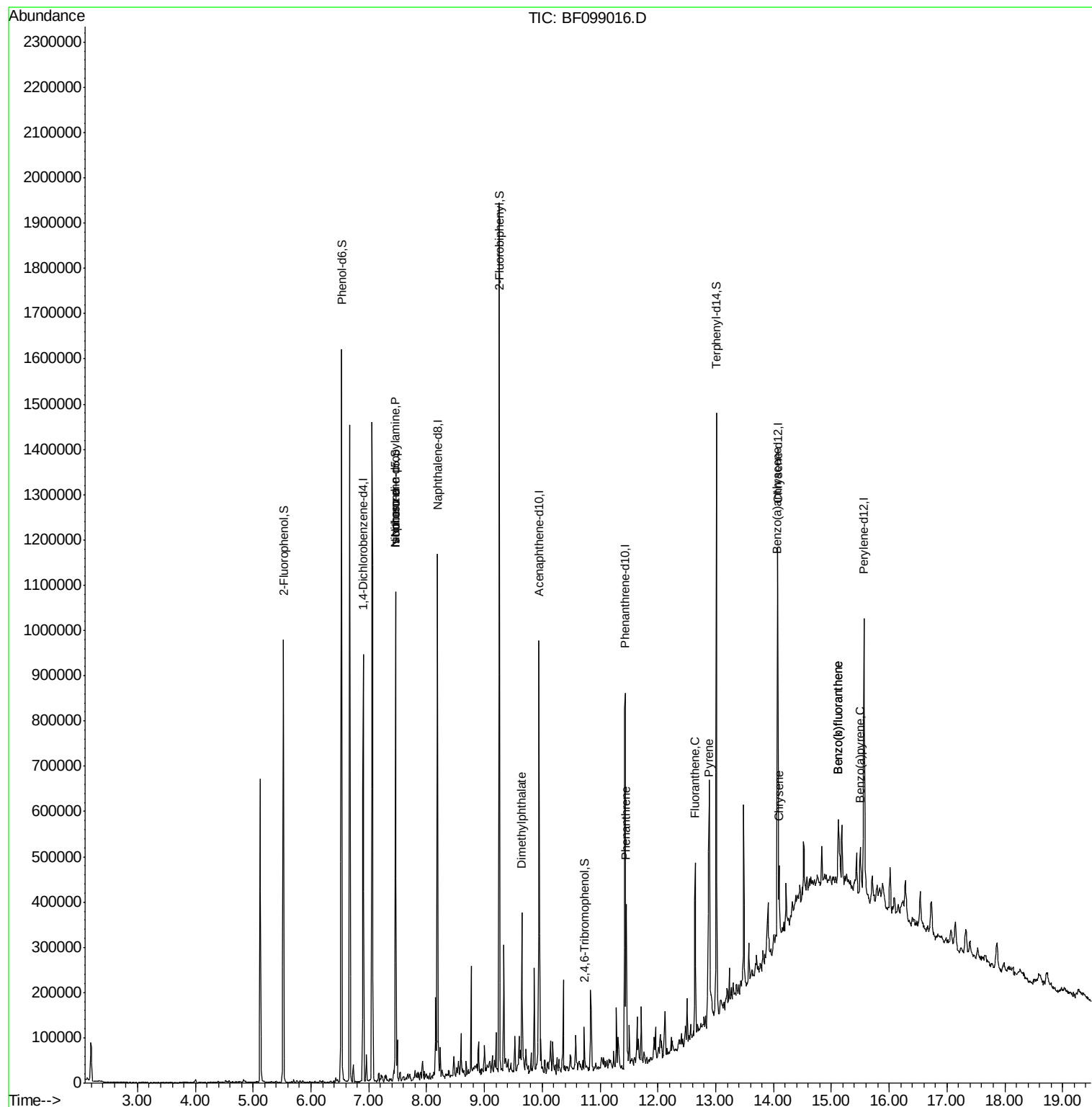
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	128943	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	498892	20.00	ng	-0.02
38) Acenaphthene-d10	9.95	164	190264	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	292772	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	263314	20.00	ng	-0.01
86) Perylene-d12	15.57	264	228749	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	274729	33.92	ng	-0.02
7) Phenol-d6	6.53	99	533302	53.37	ng	-0.02
23) Nitrobenzene-d5	7.46	82	323306	41.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	7071	4.54	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	581066	50.98	ng	-0.02
78) Terphenyl-d14	13.02	244	419716	36.25	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	41889	6.57	ng	# 76
25) Isophorone	7.46	82	319933	19.89	ng	# 64
49) Dimethylphthalate	9.65	163	93548	6.51	ng	99
70) Phenanthrene	11.46	178	130776	8.34	ng	96
74) Fluoranthene	12.65	202	138435	8.72	ng	99
77) Pyrene	12.87	202	124395	6.20	ng	98
80) Benzo(a)anthracene	14.06	228	56069	3.52	ng	97
82) Chrysene	14.10	228	58686	3.87	ng	96
87) Benzo(b)fluoranthene	15.12	252	92669	6.59	ng	# 85
88) Benzo(k)fluoranthene	15.12	252	92669	6.67	ng	# 88
89) Benzo(a)pyrene	15.50	252	41397	3.21	ng	# 82

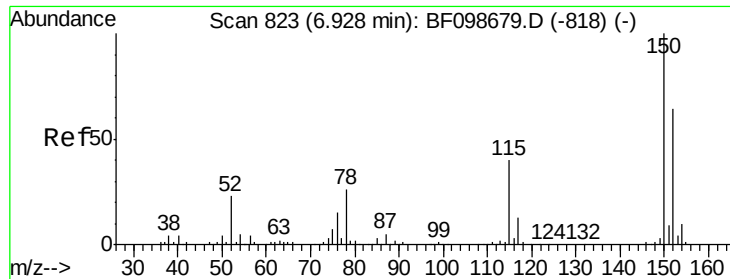
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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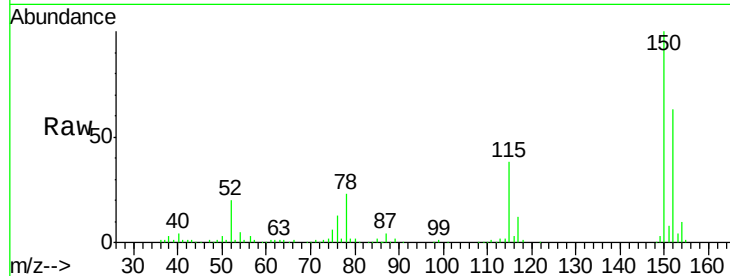


#1

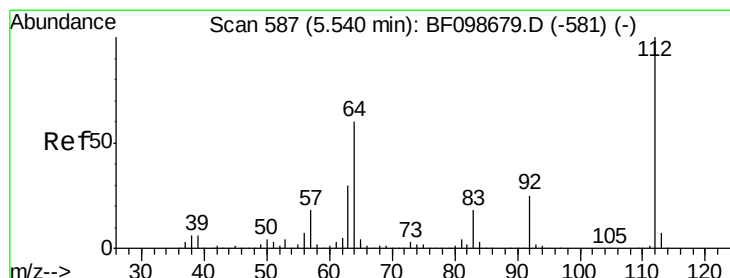
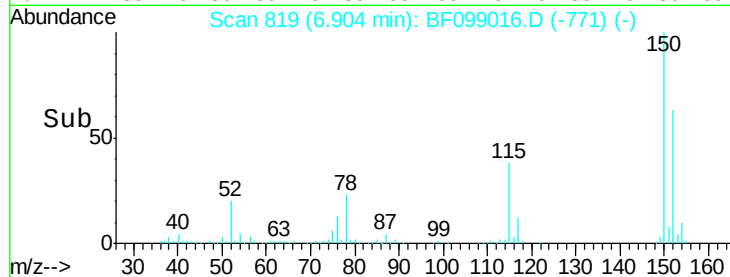
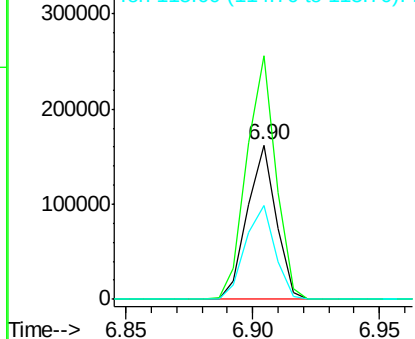
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF099016.D
Acq: 2 Oct 2017 22:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 128943
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 60.6 50.1 75.1



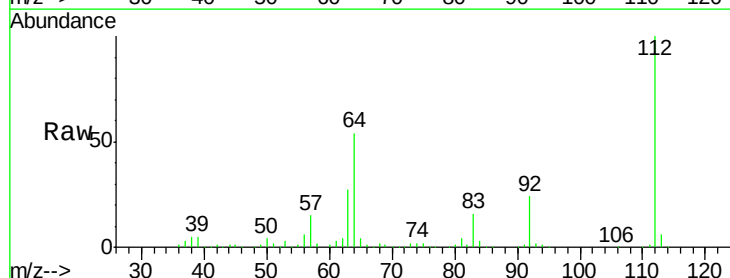
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



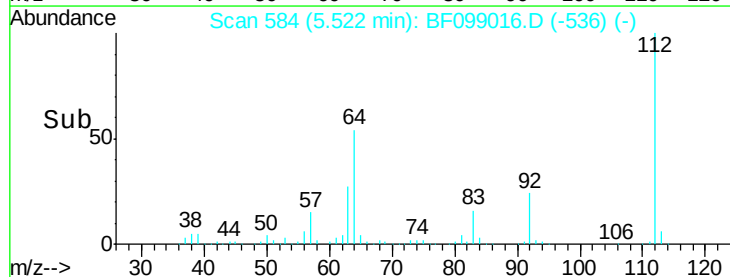
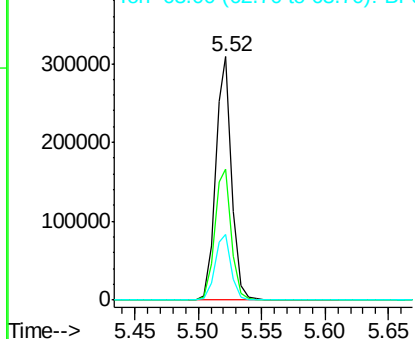
#5

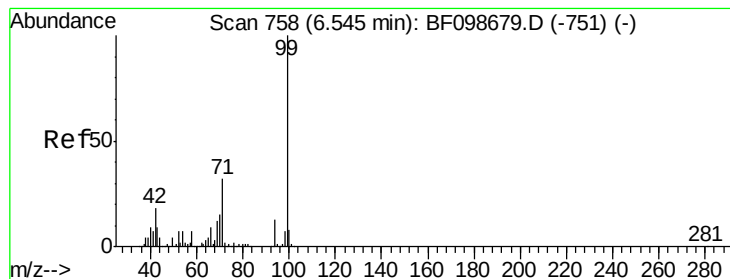
2-Fluorophenol
Concen: 33.92 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF099016.D
Acq: 2 Oct 2017 22:52

Tgt Ion:112 Resp: 274729
Ion Ratio Lower Upper
112 100
64 53.9 47.9 71.9
63 26.9 23.7 35.5



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: 53.37 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF099016.D

Acq: 2 Oct 2017 22:52

Instrument :

BNA_F

ClientSampleId :

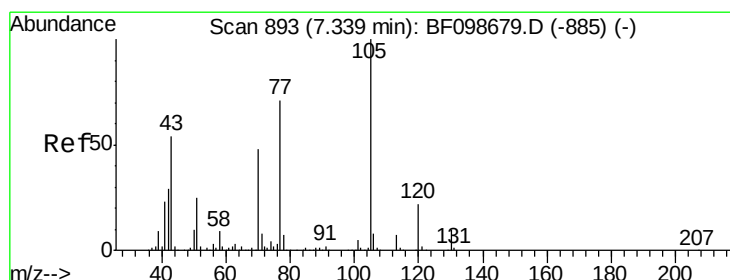
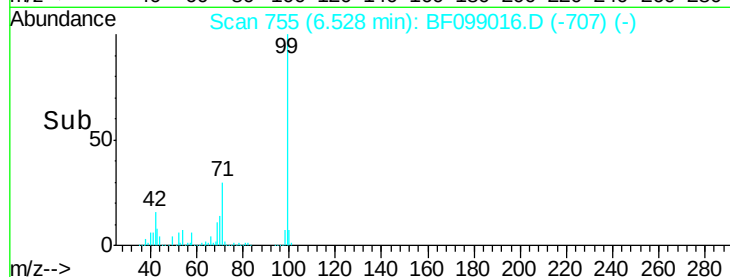
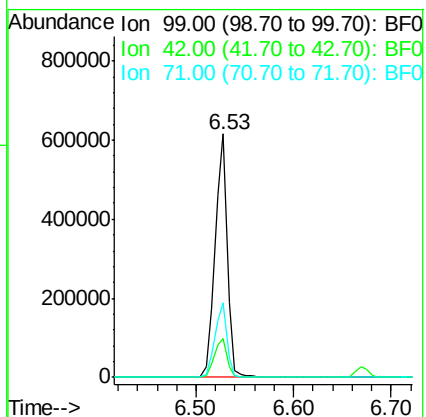
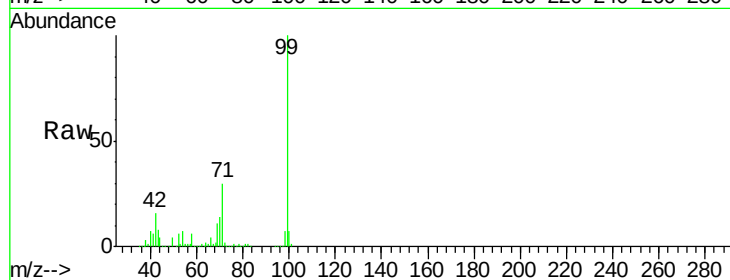
Tot Ion: 99 Resp: 533302

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

71 30.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 6.57 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.13 min

Lab File: BF099016.D

Acq: 2 Oct 2017 22:52

Tgt Ion: 70 Resp: 41889

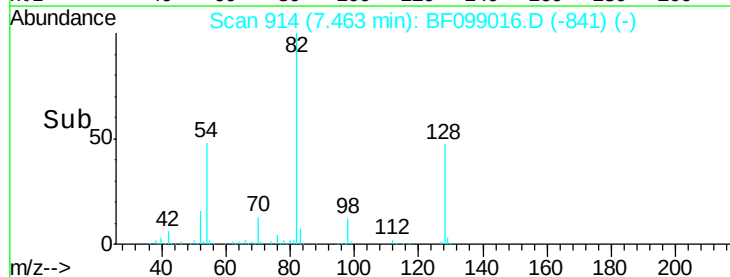
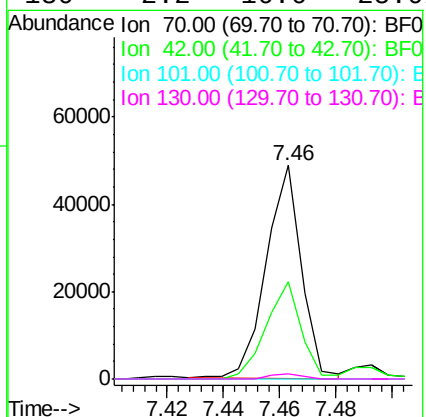
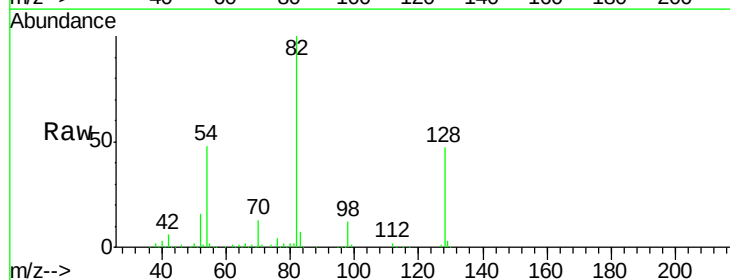
Ion Ratio Lower Upper

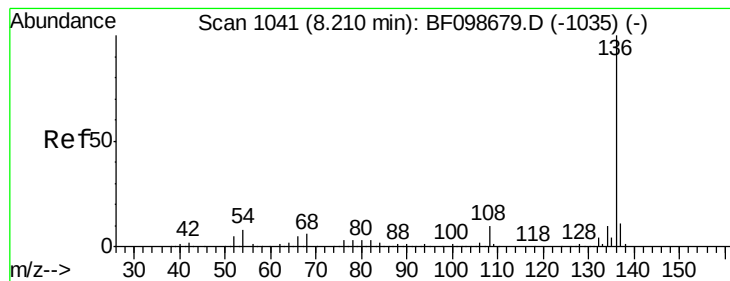
70 100

42 45.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF099016.D

Acq: 2 Oct 2017 22:52

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 498892

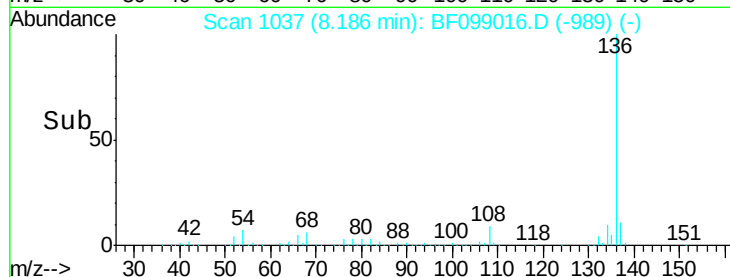
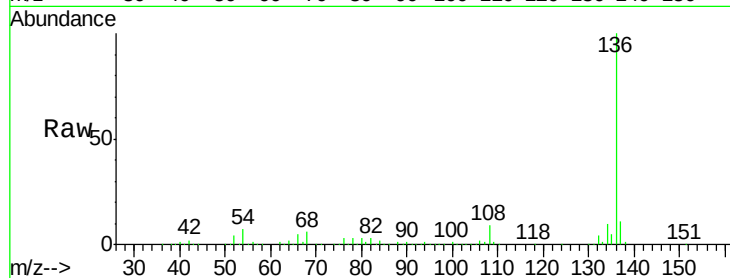
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.2 6.6 9.8

68 5.9 5.0 7.4

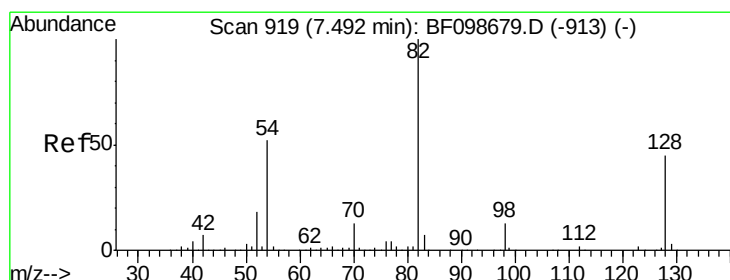
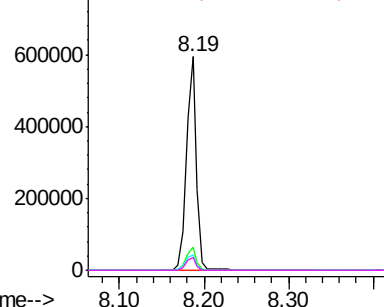


Abundance Ion 136.00 (135.70 to 136.70): E

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: 41.56 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.02 min

Lab File: BF099016.D

Acq: 2 Oct 2017 22:52

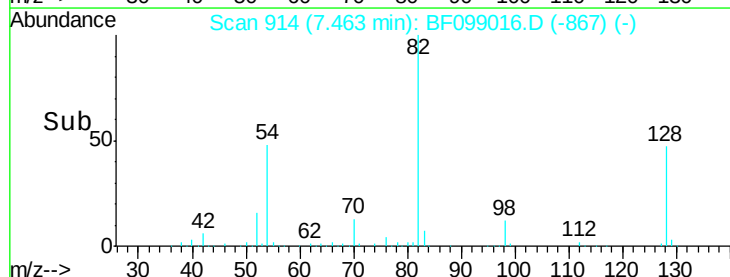
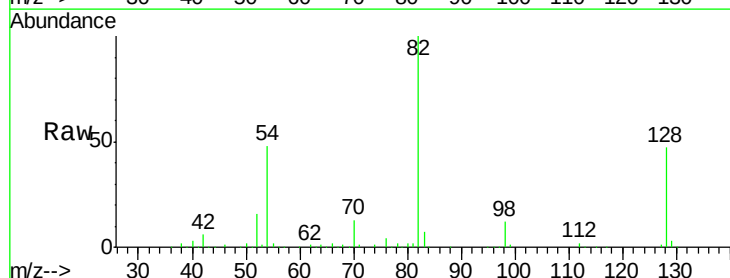
Tgt Ion: 82 Resp: 323306

Ion Ratio Lower Upper

82 100

128 47.4 36.1 54.1

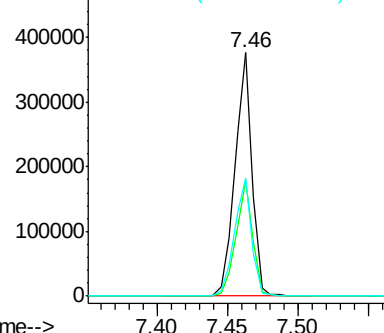
54 48.5 41.4 62.2

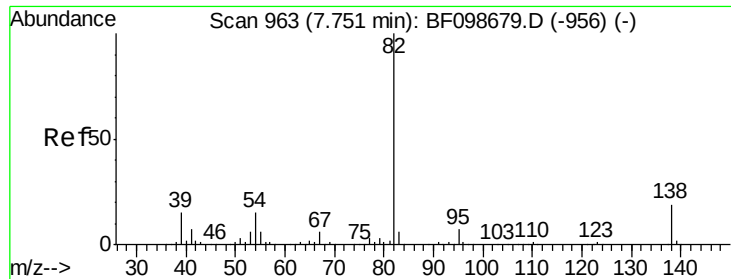


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 19.89 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.28 min

Lab File: BF099016.D

Acq: 2 Oct 2017 22:52

Instrument :

BNA_F

ClientSampleId :

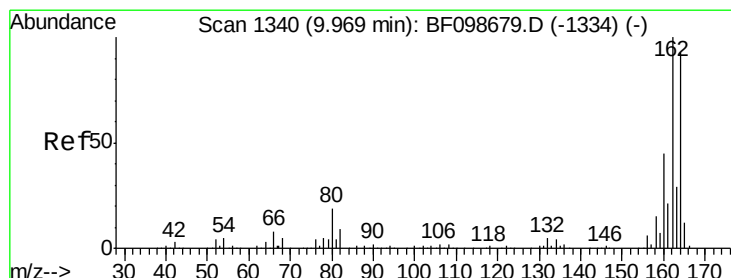
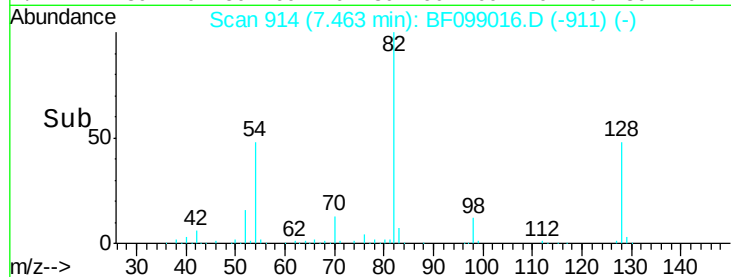
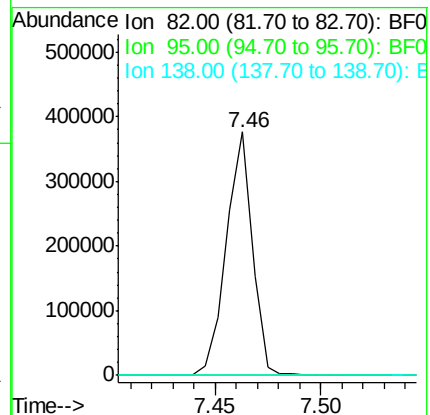
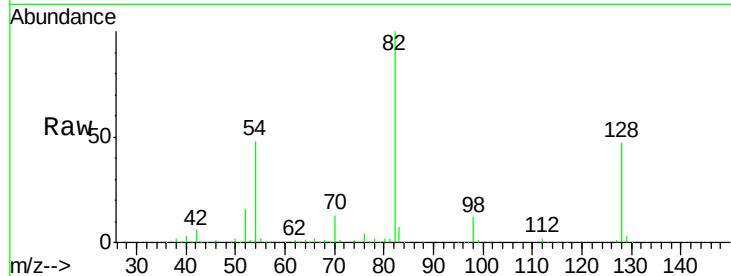
Tot Ion: 82 Resp: 319933

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.02 min

Lab File: BF099016.D

Acq: 2 Oct 2017 22:52

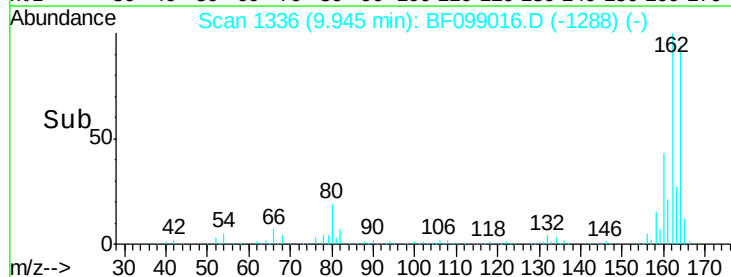
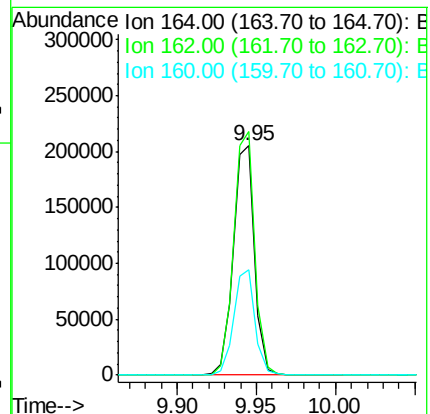
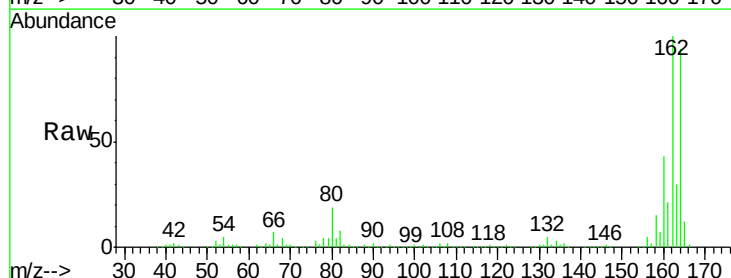
Tgt Ion: 164 Resp: 190264

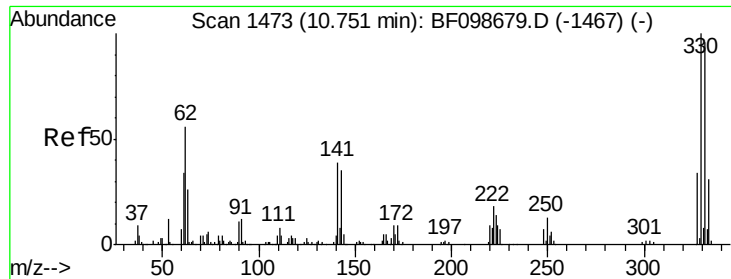
Ion Ratio Lower Upper

164 100

162 106.2 86.1 129.1

160 46.0 38.3 57.5

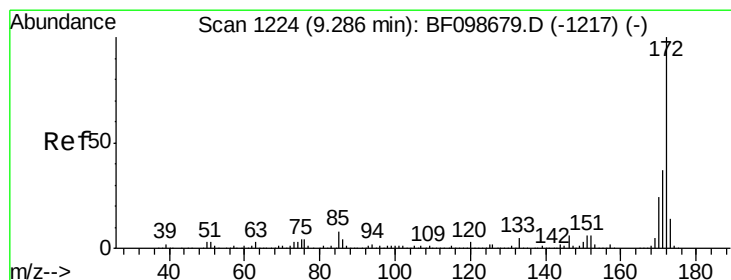
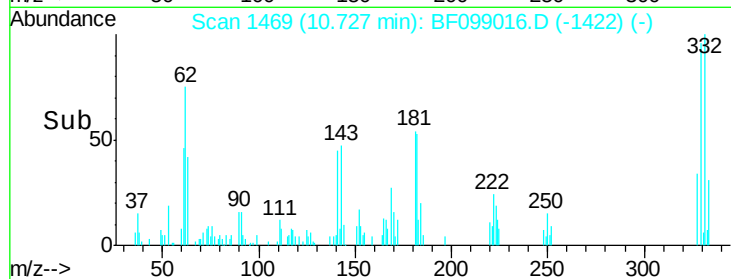
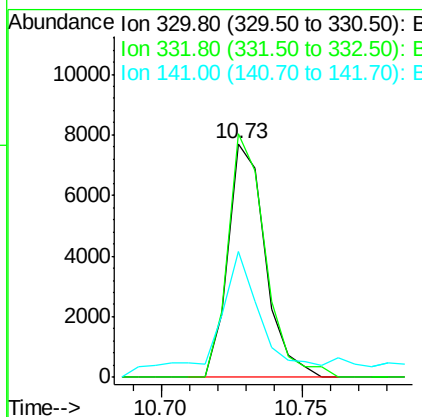
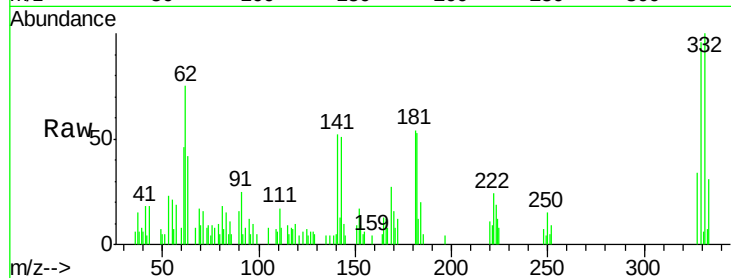




#41
 2,4,6-Tribromophenol
 Concen: 4.54 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.02 min
 Lab File: BF099016.D
 Acq: 2 Oct 2017 22:52

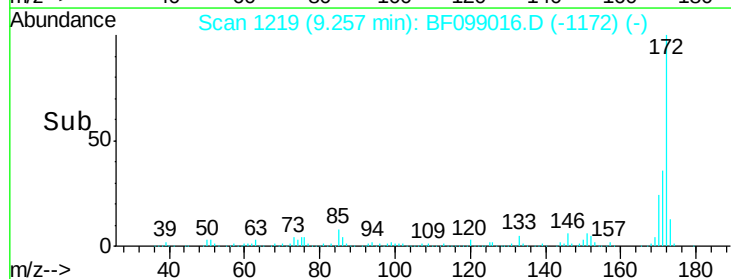
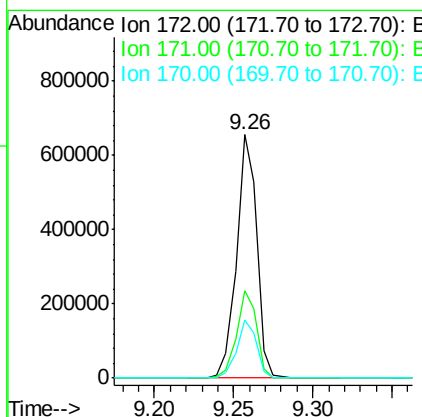
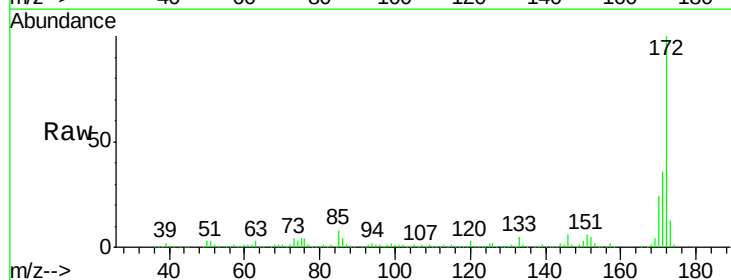
Instrument :
 BNA_F
 ClientSampleId :

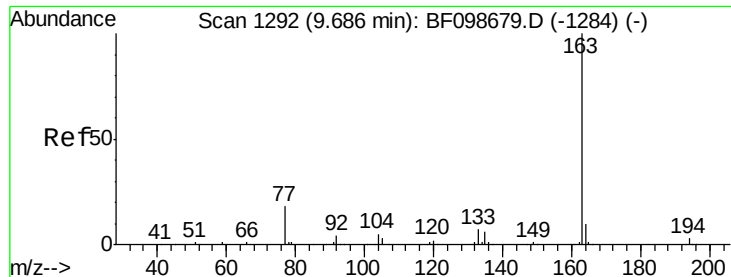
Tot Ion:330 Resp: 7071
 Ion Ratio Lower Upper
 330 100
 332 104.1 77.0 115.6
 141 66.6 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 50.98 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.02 min
 Lab File: BF099016.D
 Acq: 2 Oct 2017 22:52

Tgt Ion:172 Resp: 581066
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 24.0 19.6 29.4

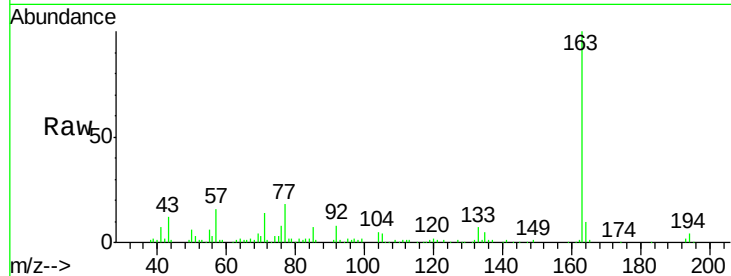




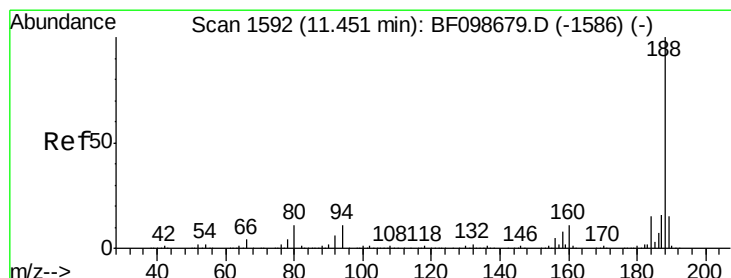
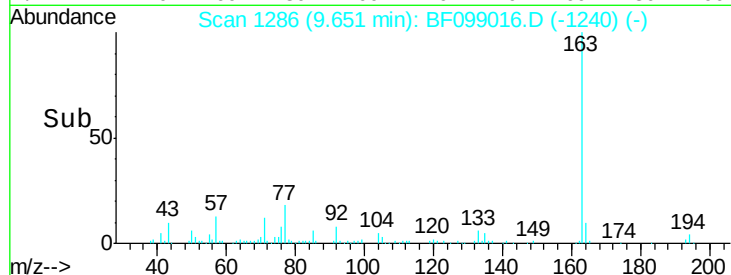
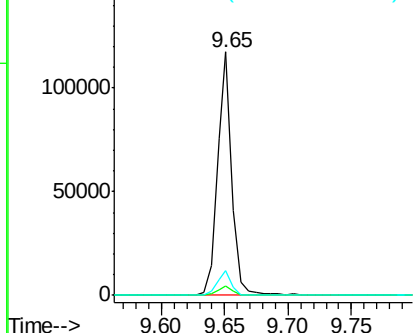
#49
Dimethylphthalate
Concen: 6.51 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.03 min
Lab File: BF099016.D
Acq: 2 Oct 2017 22:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 93548
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 10.1 8.2 12.2

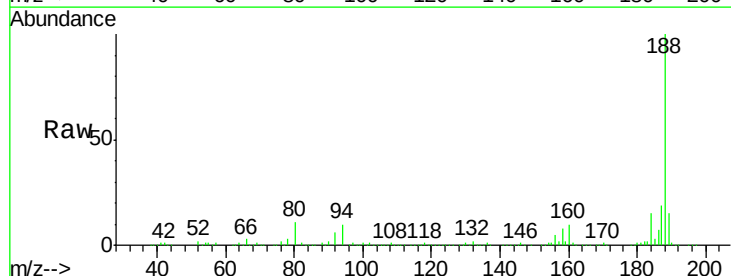


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

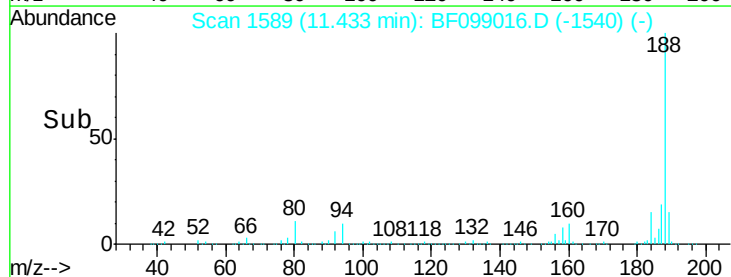
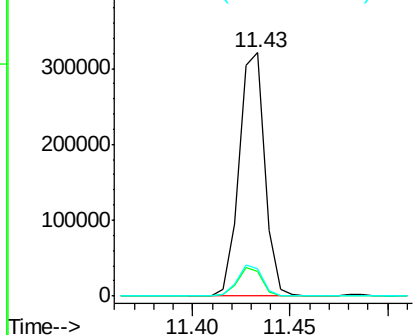


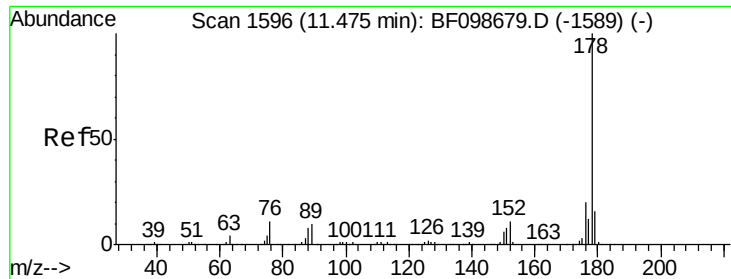
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF099016.D
Acq: 2 Oct 2017 22:52

Tgt Ion:188 Resp: 292772
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 11.0 9.2 13.8



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: 8.34 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.02 min

Lab File: BF099016.D

Acq: 2 Oct 2017 22:52

Instrument :

BNA_F

ClientSampleId :

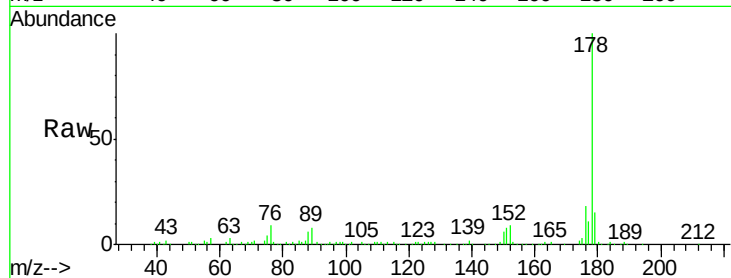
Tot Ion:178 Resp: 130776

Ion Ratio Lower Upper

178 100

176 18.2 15.8 23.8

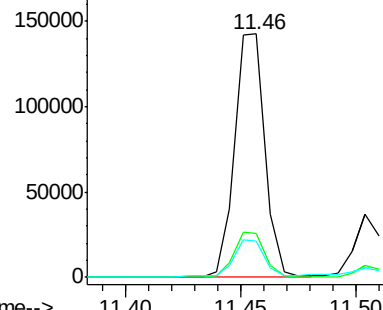
179 14.8 13.0 19.6



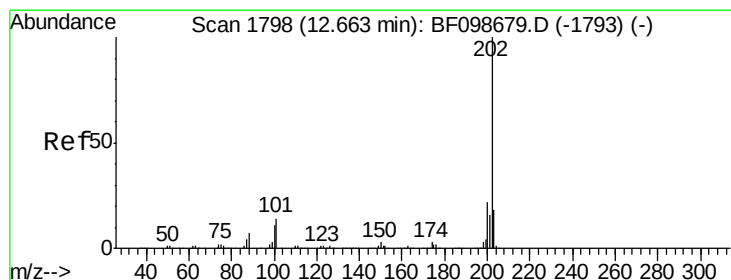
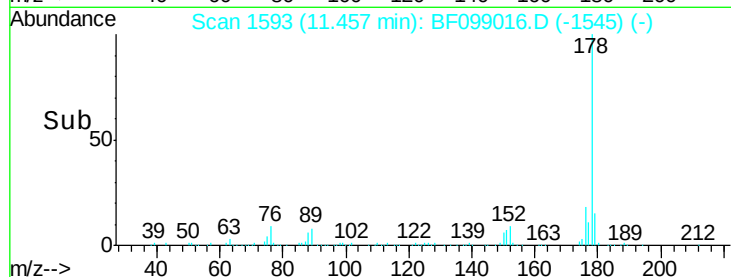
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 8.72 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.02 min

Lab File: BF099016.D

Acq: 2 Oct 2017 22:52

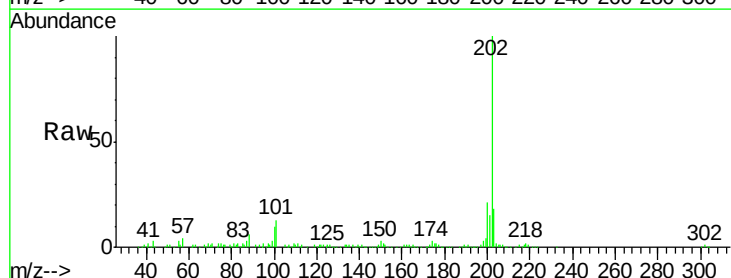
Tgt Ion:202 Resp: 138435

Ion Ratio Lower Upper

202 100

101 12.9 0.0 34.1

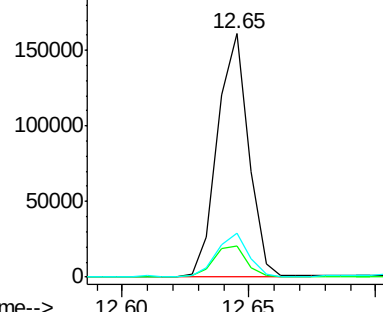
203 18.1 0.0 38.1



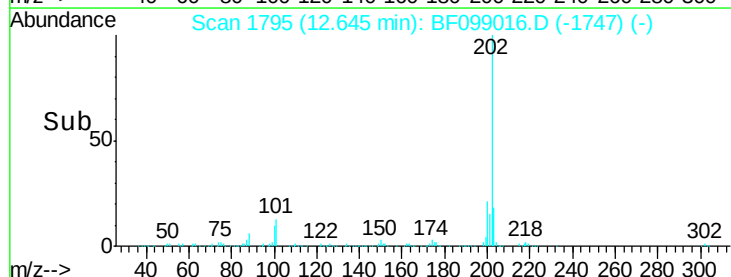
Abundance Ion 202.00 (201.70 to 202.70): E

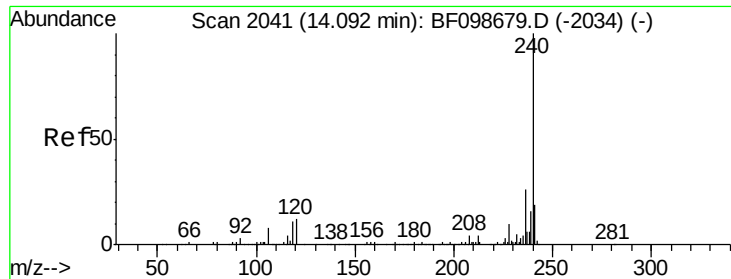
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF099016.D

Acq: 2 Oct 2017 22:52

Instrument :

BNA_F

ClientSampleId :

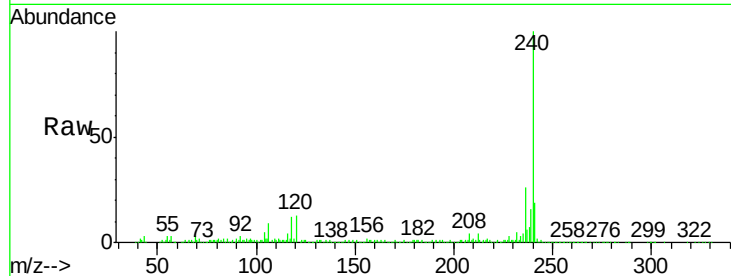
Tot Ion:240 Resp: 263314

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

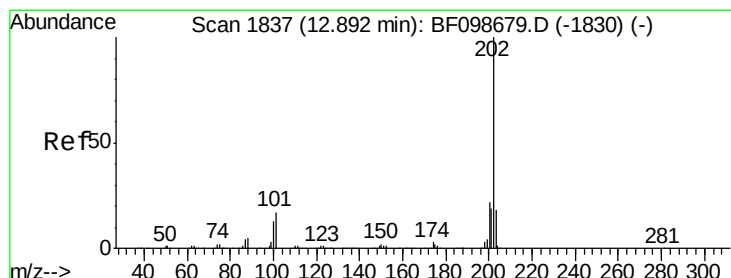
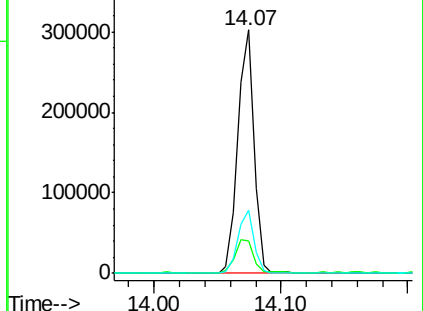
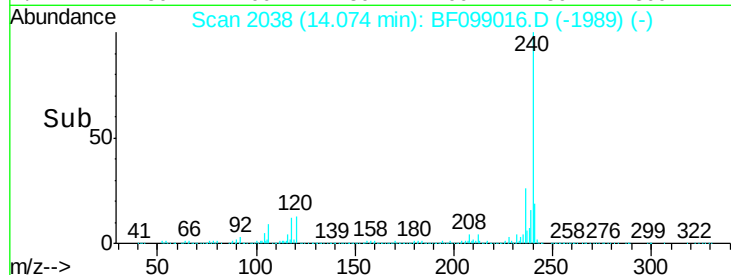
236 25.7 20.7 31.1



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: 6.20 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF099016.D

Acq: 2 Oct 2017 22:52

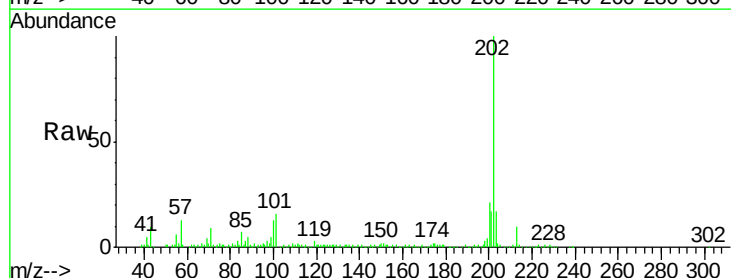
Tgt Ion:202 Resp: 124395

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

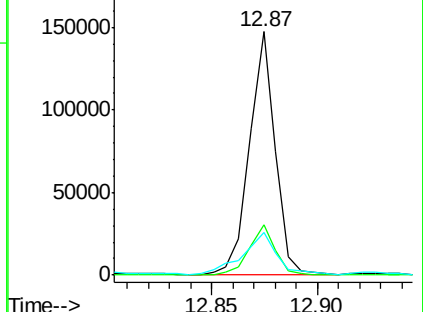
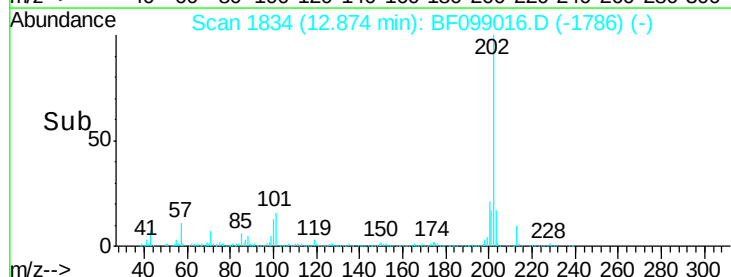
203 17.4 14.3 21.5

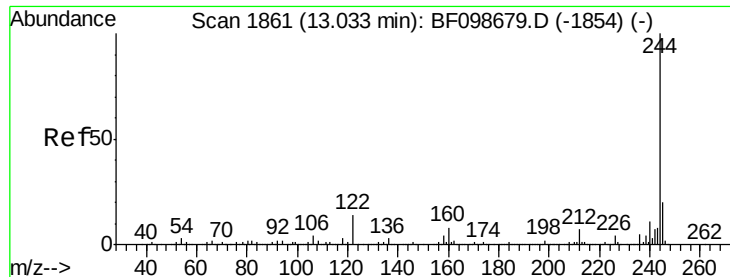


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 36.25 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF099016.D

Acq: 2 Oct 2017 22:52

Instrument :

BNA_F

ClientSampleId :

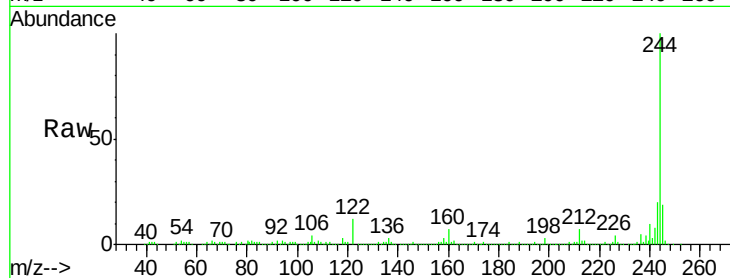
Tot Ion:244 Resp: 419716

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

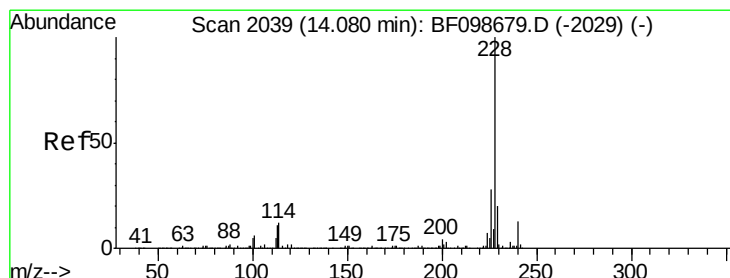
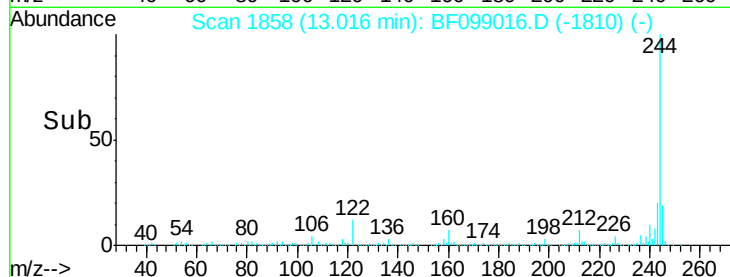
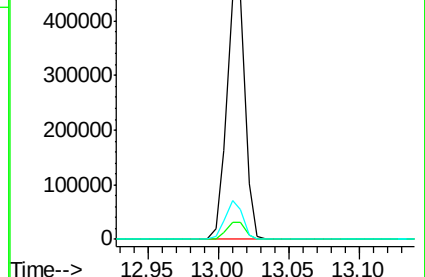
122 12.4 11.0 16.4



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: 3.52 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF099016.D

Acq: 2 Oct 2017 22:52

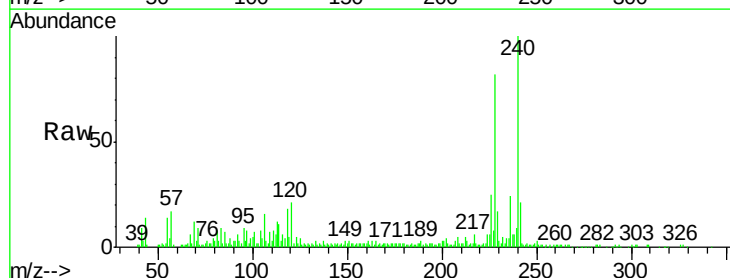
Tgt Ion:228 Resp: 56069

Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

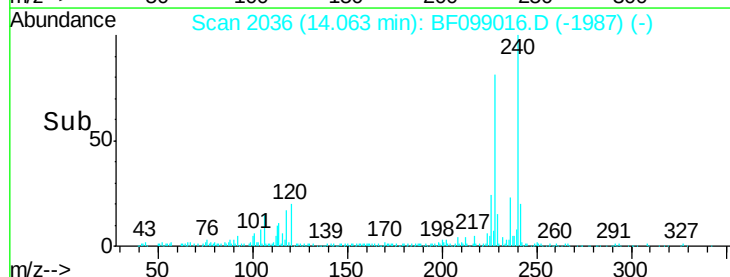
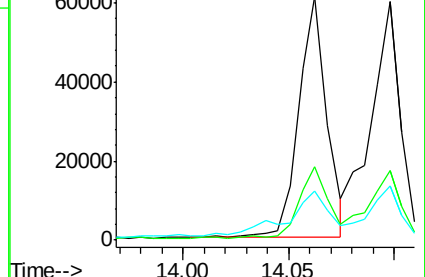
229 20.3 15.8 23.6

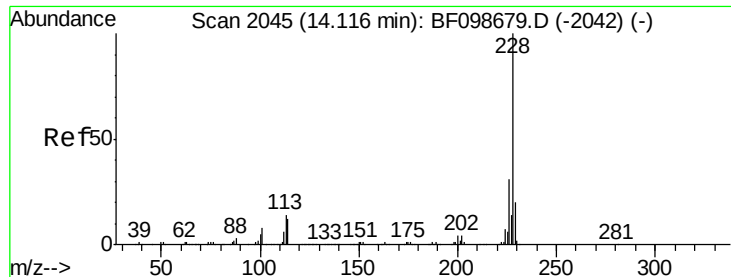


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.87 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.02 min

Lab File: BF099016.D

Acq: 2 Oct 2017 22:52

Instrument :

BNA_F

ClientSampleId :

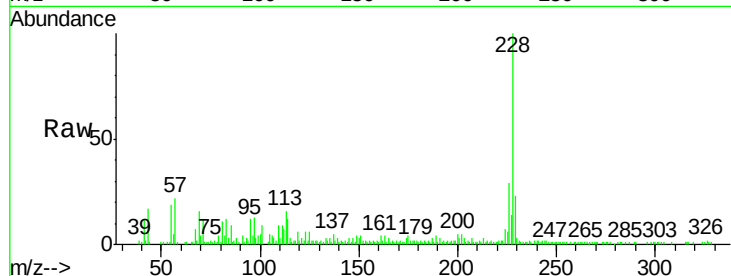
Tot Ion:228 Resp: 58686

Ion Ratio Lower Upper

228 100

226 29.4 25.0 37.6

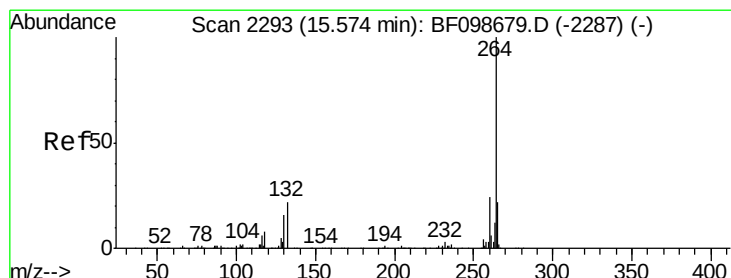
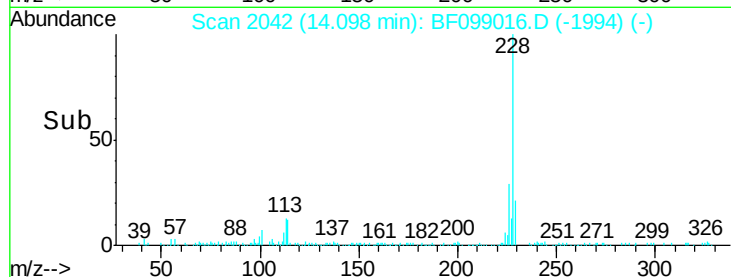
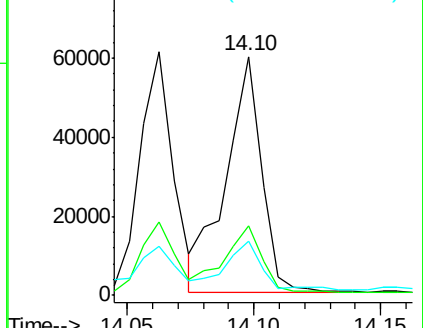
229 22.5 16.2 24.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.57 min Scan# 2292

Delta R.T. -0.01 min

Lab File: BF099016.D

Acq: 2 Oct 2017 22:52

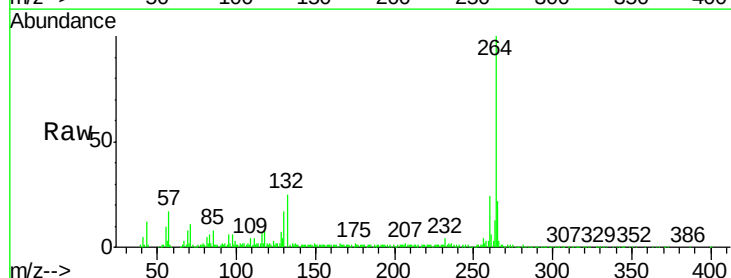
Tgt Ion:264 Resp: 228749

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

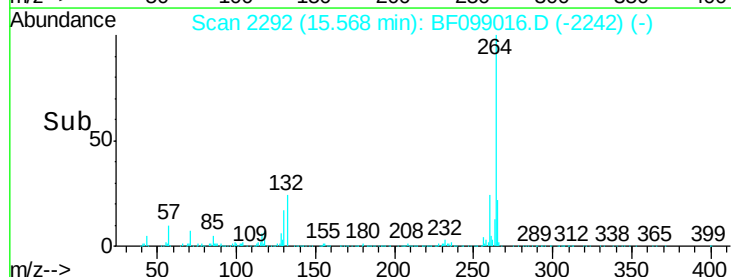
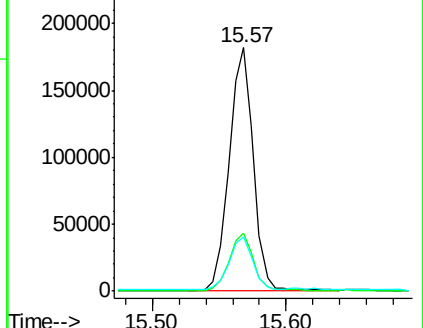
265 22.0 17.5 26.3

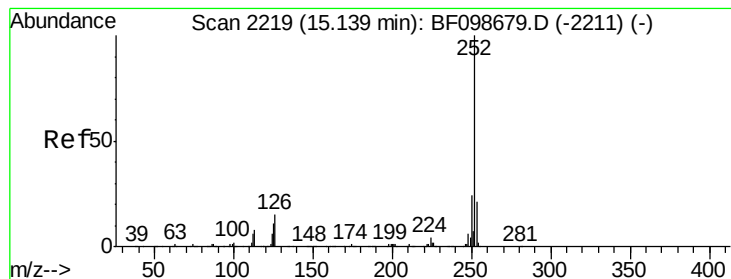


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.59 ng

RT: 15.12 min Scan# 2216

Delta R.T. -0.02 min

Lab File: BF099016.D

Acq: 2 Oct 2017 22:52

Instrument :

BNA_F

ClientSampleId :

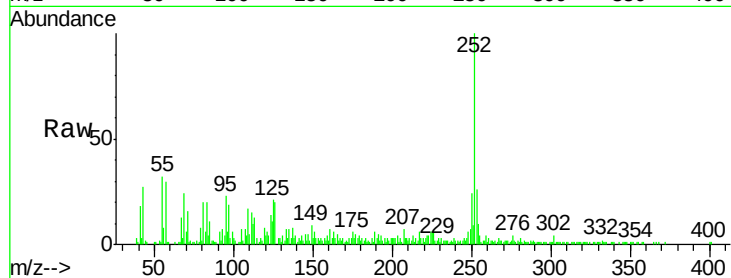
Tot Ion:252 Resp: 92669

Ion Ratio Lower Upper

252 100

253 25.8 17.0 25.6#

125 21.0 9.0 13.6#

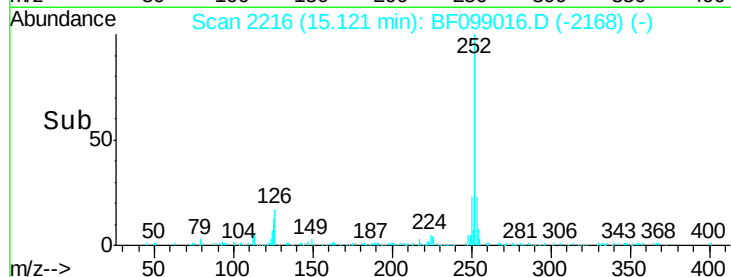


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



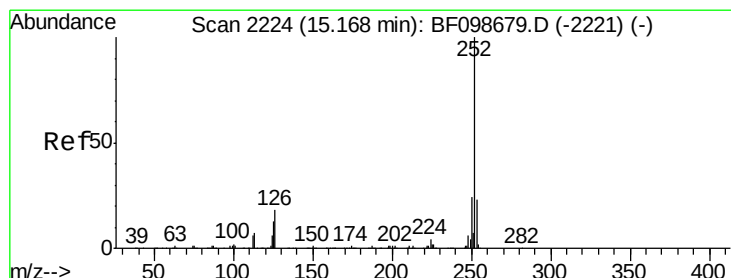
Abundance

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

Time-->



#88

Benzo(k)fluoranthene

Concen: 6.67 ng

RT: 15.12 min Scan# 2216

Delta R.T. -0.05 min

Lab File: BF099016.D

Acq: 2 Oct 2017 22:52

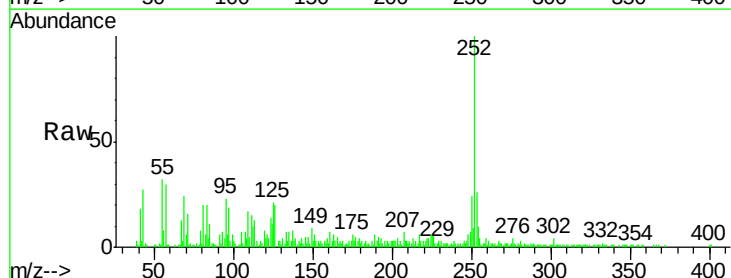
Tgt Ion:252 Resp: 92669

Ion Ratio Lower Upper

252 100

253 25.8 17.9 26.9

125 21.0 10.2 15.2#

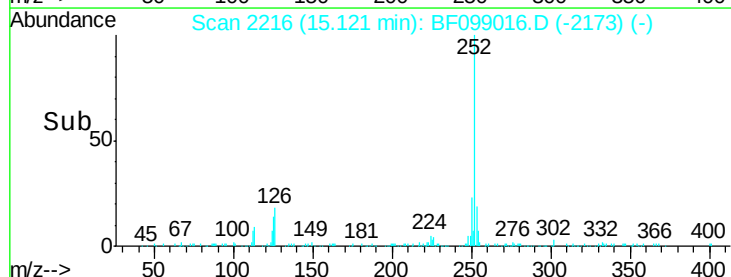


Abundance Ion 252.00 (251.70 to 252.70): E

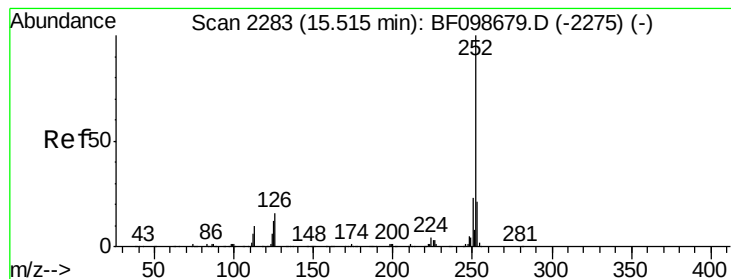
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



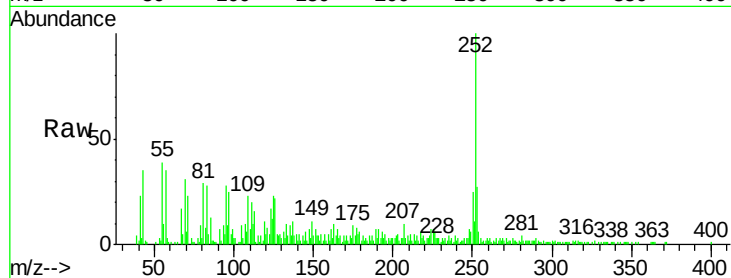
Time-->



#89
 Benzo(a)pyrene
 Concen: 3.21 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.02 min
 Lab File: BF099016.D
 Acq: 2 Oct 2017 22:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.1	25.7#
125	23.3	9.8	14.6#



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

