

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021716\
 Data File : BF085095.D
 Acq On : 17 Feb 2016 19:20
 Operator : SJ/IZ
 Sample : H1443-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 17 23:54:06 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 17 16:42:47 2016
 Response via : Initial Calibration

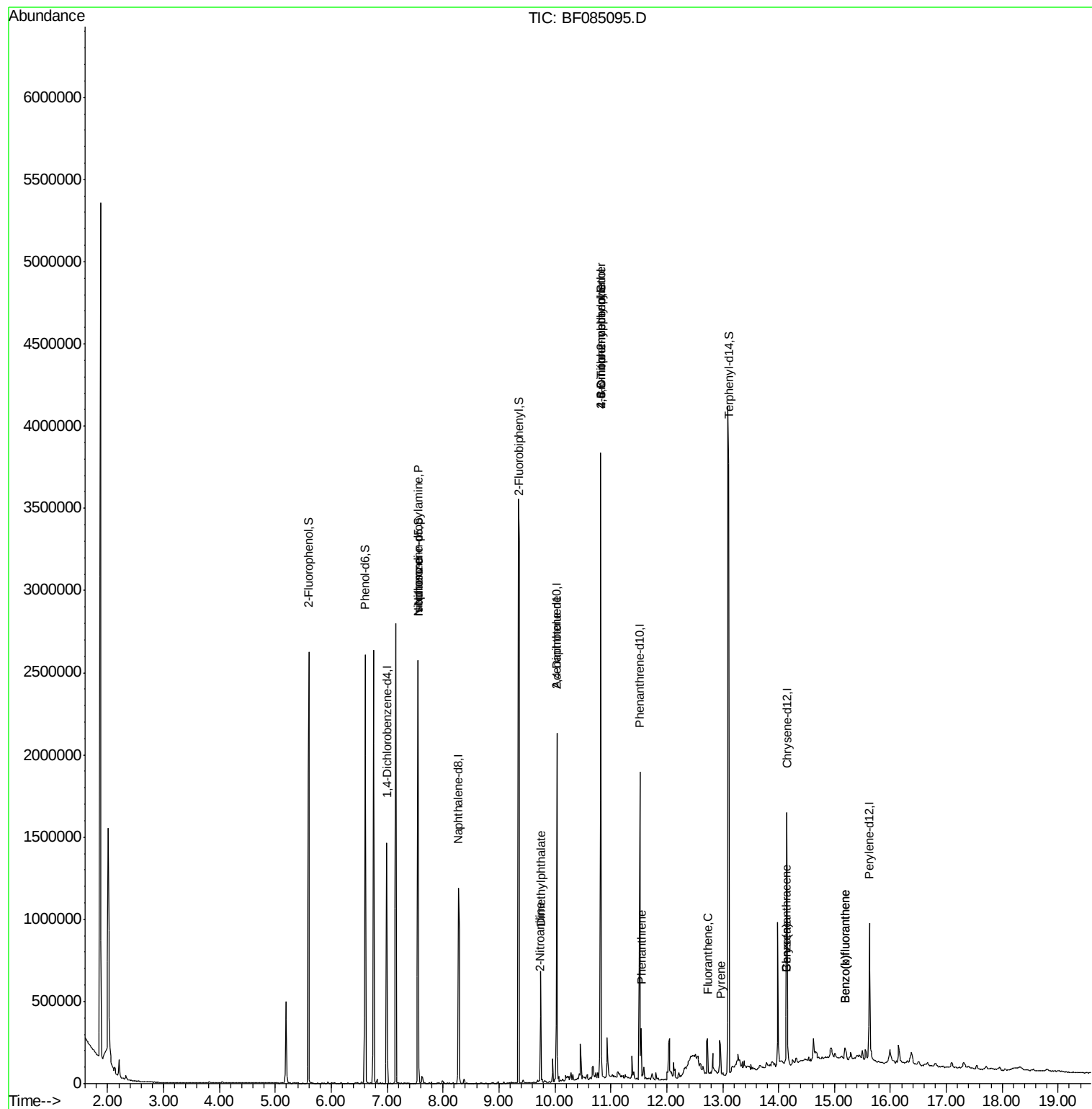
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.99	152	193972	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	735882	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	376606	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	717673	20.00	ng	0.00
75) Chrysene-d12	14.15	240	499767	20.00	ng	-0.01
86) Perylene-d12	15.62	264	433635	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	933127	84.08	ng	0.01
7) Phenol-d6	6.60	99	1286053	92.17	ng	-0.01
23) Nitrobenzene-d5	7.55	82	775094	64.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	508027	127.06	ng	0.00
44) 2-Fluorobiphenyl	9.36	172	1687360	66.21	ng	0.00
78) Terphenyl-d14	13.11	244	1878899	105.30	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.55	70	107947	11.33	ng	# 70
25) Isophorone	7.55	82	771269	30.74	ng	# 67
47) 2-Nitroaniline	9.74	65	3194	4.47	ng	# 1
49) Dimethylphthalate	9.75	163	343015	12.41	ng	# 99
56) 2,4-Dinitrotoluene	10.03	165	50420	7.03	ng	# 25
64) 4,6-Dinitro-2-methylphenol	10.82	198	1217	6.57	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	36080	4.31	ng	# 1
70) Phenanthrene	11.54	178	121128	3.36	ng	97
74) Fluoranthene	12.73	202	123686	3.17	ng	97
77) Pyrene	12.96	202	127232	4.23	ng	97
80) Benzo(a)anthracene	14.14	228	60369	2.17	ng	98
82) Chrysene	14.14	228	60369	2.35	ng	96
87) Benzo(b)fluoranthene	15.19	252	59172	2.14	ng	# 91
88) Benzo(k)fluoranthene	15.19	252	59172	2.66	ng	# 92

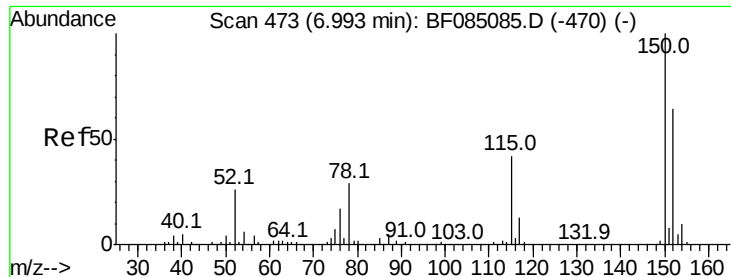
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 17 16:42:47 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.99 min Scan# 473

Delta R.T. 0.00 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

Instrument :

BNA_F

ClientSampleId :

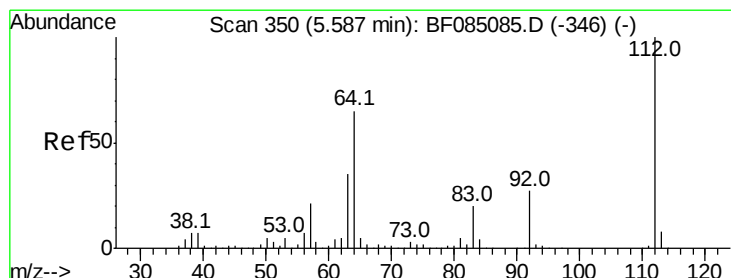
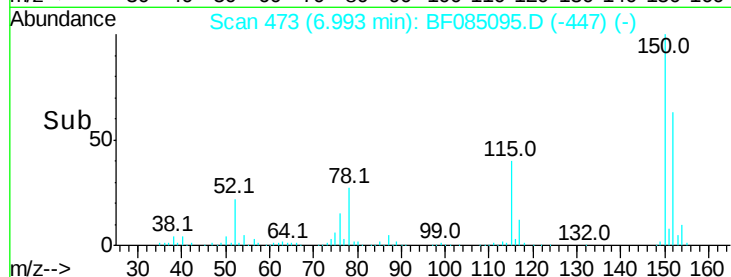
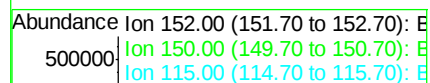
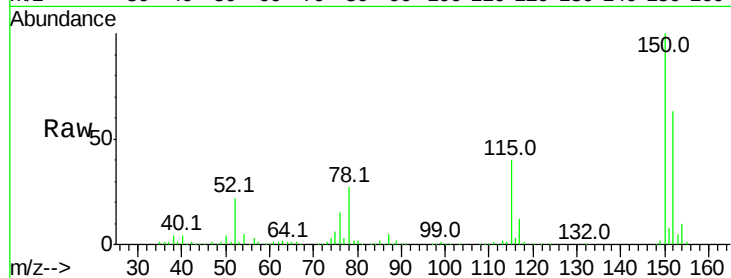
Tot Ion:152 Resp: 193972

Ion Ratio Lower Upper

152 100

150 158.3 127.4 191.2

115 63.0 50.5 75.7



#5

2-Fluorophenol

Concen: 84.08 ng

RT: 5.60 min Scan# 351

Delta R.T. 0.01 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

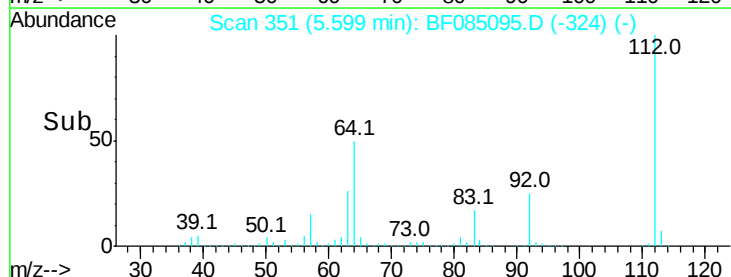
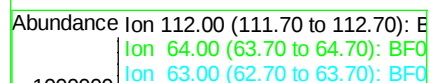
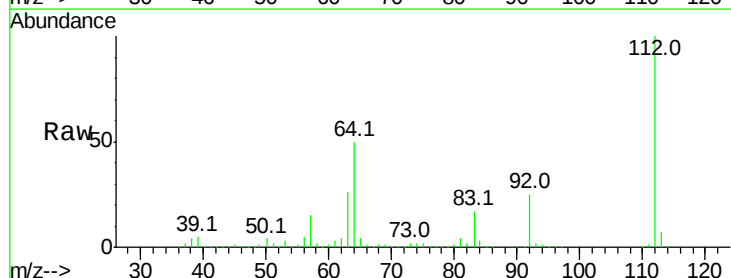
Tgt Ion:112 Resp: 933127

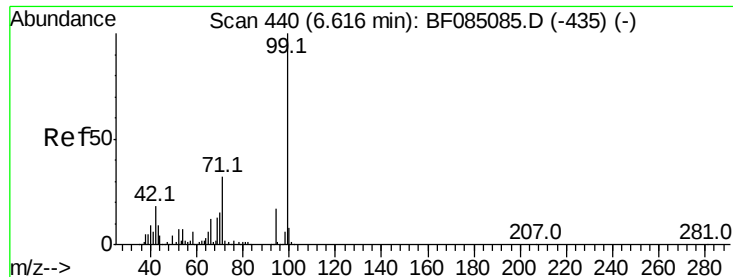
Ion Ratio Lower Upper

112 100

64 50.1 45.4 68.2

63 26.1 23.2 34.8





#7

Phenol-d6

Concen: 92.17 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.01 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

Instrument :

BNA_F

ClientSampleId :

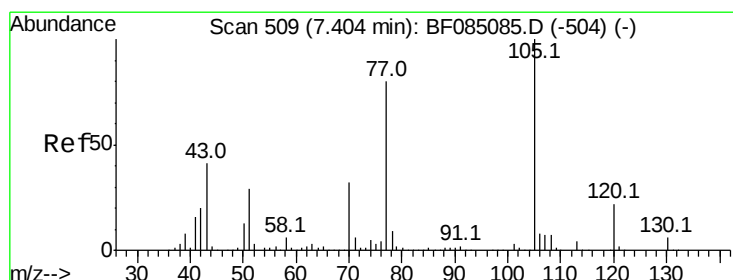
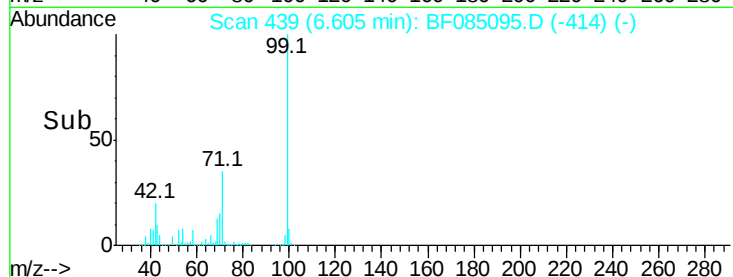
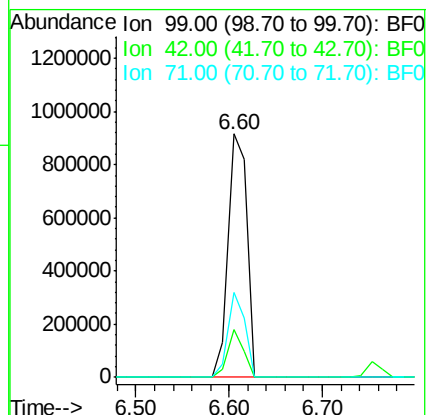
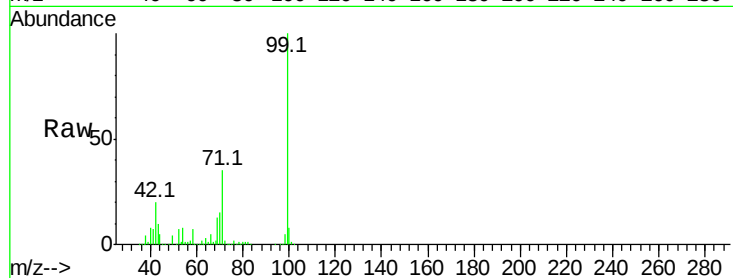
Tot Ion: 99 Resp: 1286053

Ion Ratio Lower Upper

99 100

42 19.8 17.0 25.4

71 34.7 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 11.33 ng

RT: 7.55 min Scan# 522

Delta R.T. 0.15 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

Tgt Ion: 70 Resp: 107947

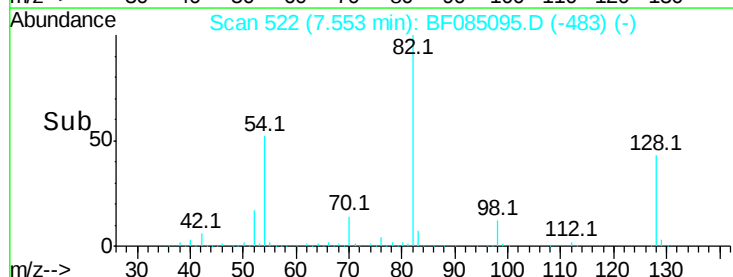
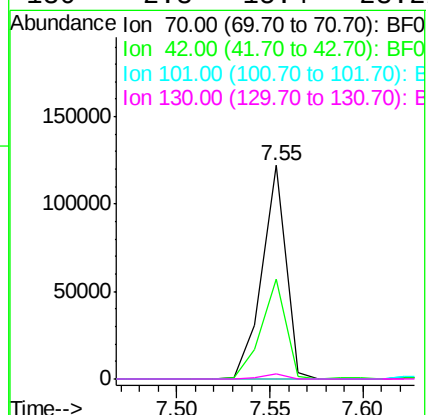
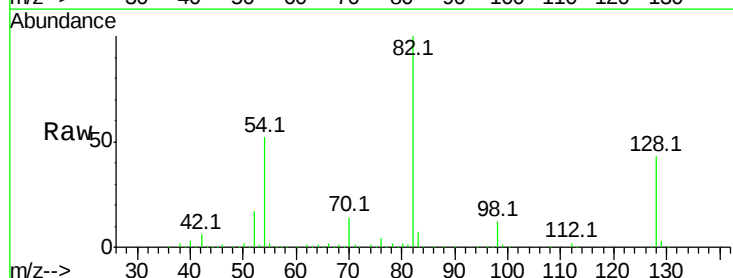
Ion Ratio Lower Upper

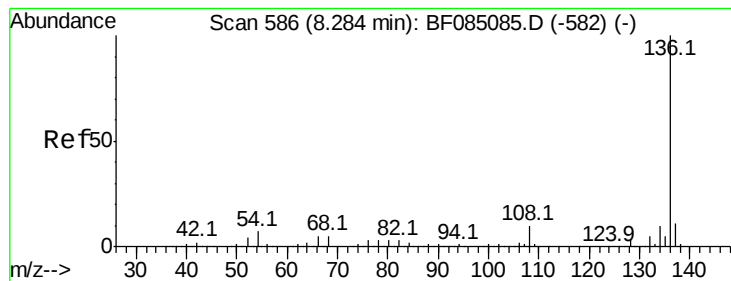
70 100

42 46.7 55.8 83.6#

101 0.0 7.7 11.5#

130 2.3 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.27 min Scan# 585

Delta R.T. -0.01 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 735882

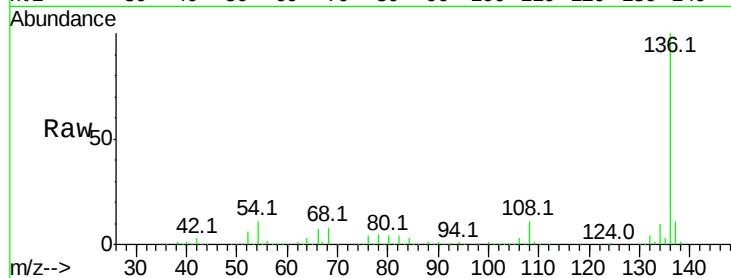
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 10.6 6.1 9.1#

68 7.8 3.5 5.3#

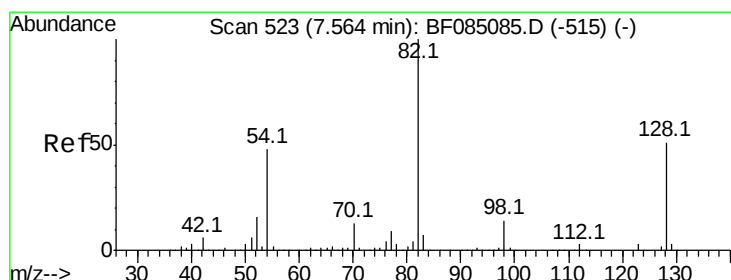
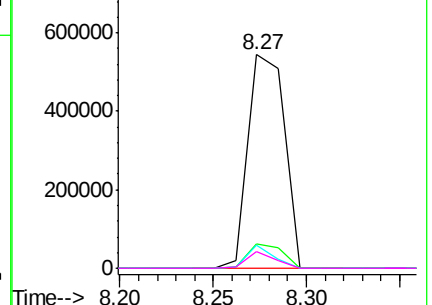
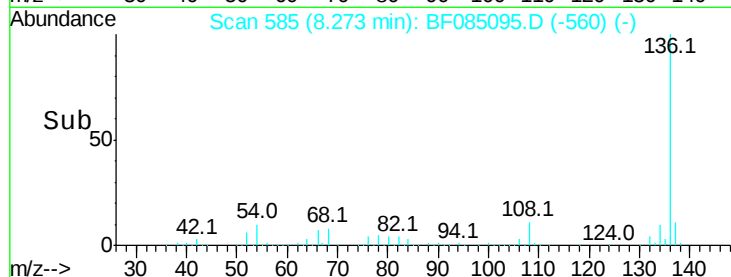


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.56 ng

RT: 7.55 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

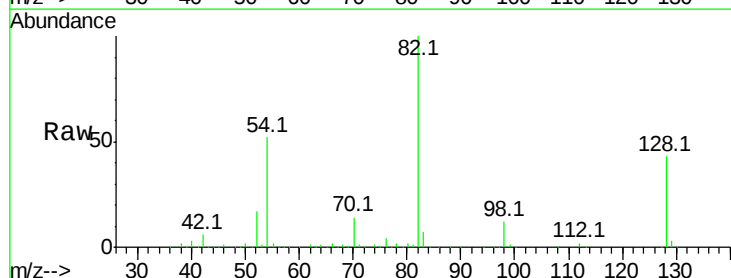
Tgt Ion: 82 Resp: 775094

Ion Ratio Lower Upper

82 100

128 43.5 36.8 55.2

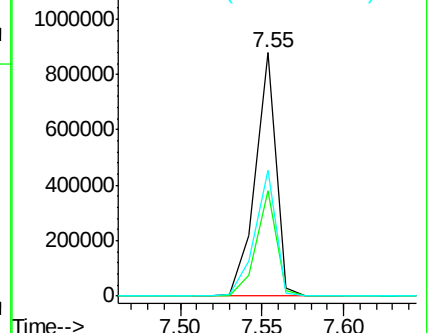
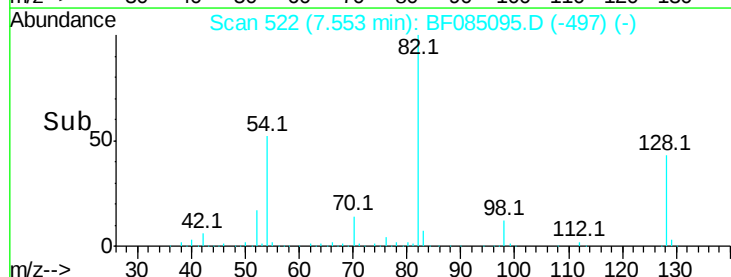
54 51.8 44.4 66.6

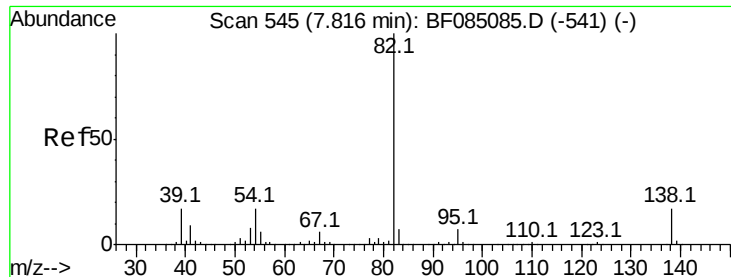


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 30.74 ng

RT: 7.55 min Scan# 522

Delta R.T. -0.26 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

Instrument :

BNA_F

ClientSampled :

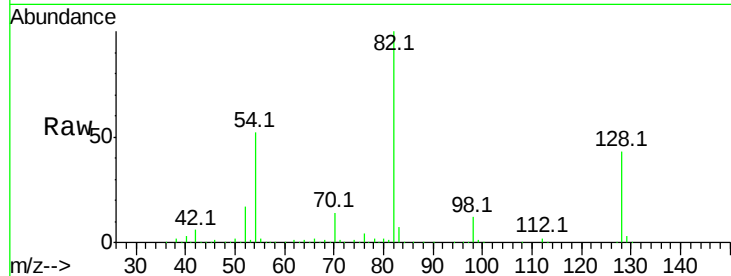
Tot Ion: 82 Resp: 771269

Ion Ratio Lower Upper

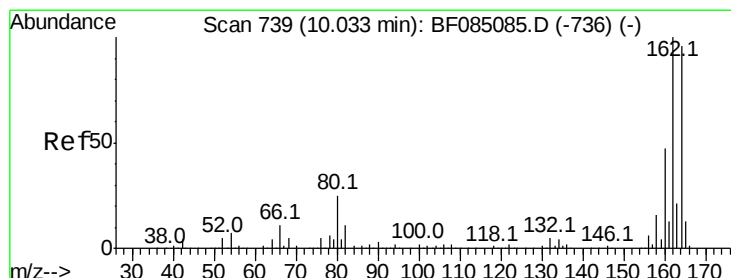
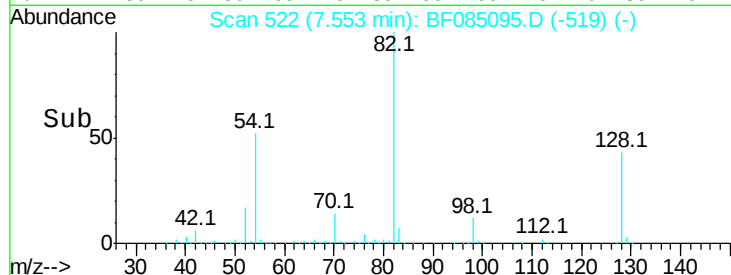
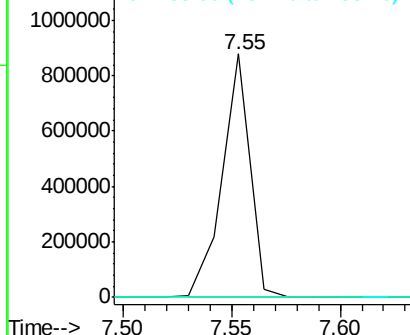
82 100

95 0.0 6.1 9.1#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.03 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

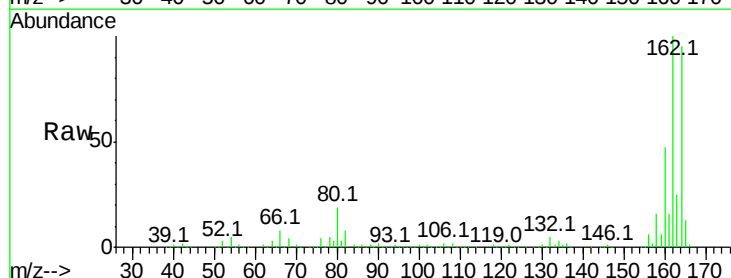
Tgt Ion:164 Resp: 376606

Ion Ratio Lower Upper

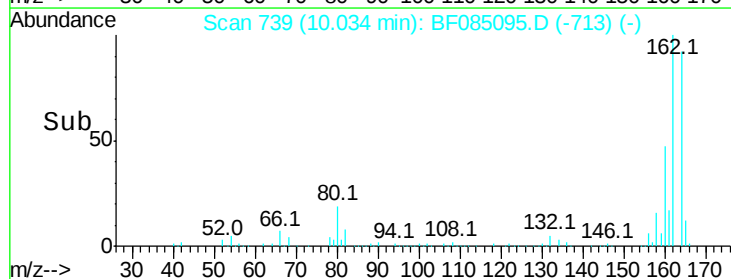
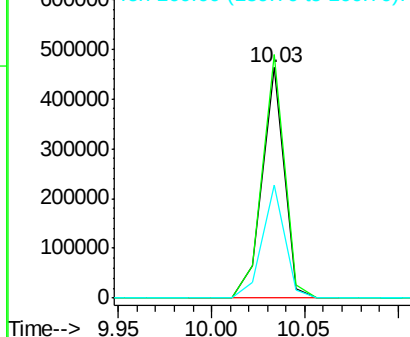
164 100

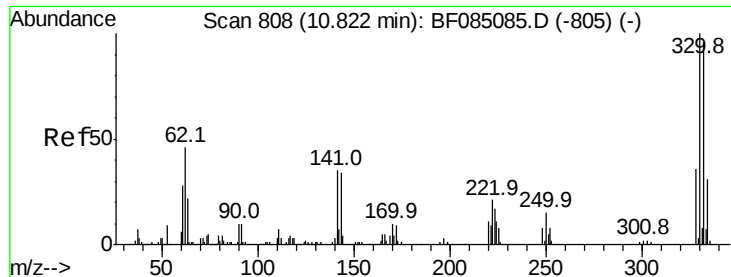
162 105.5 81.1 121.7

160 49.1 37.4 56.0



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

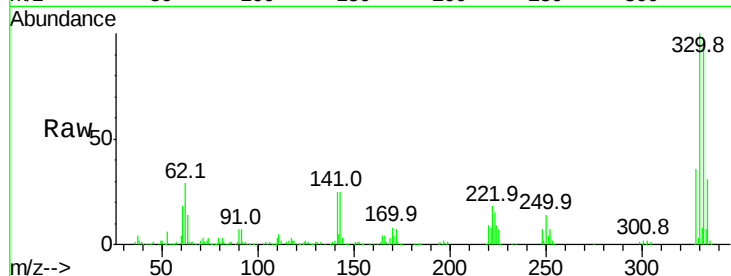




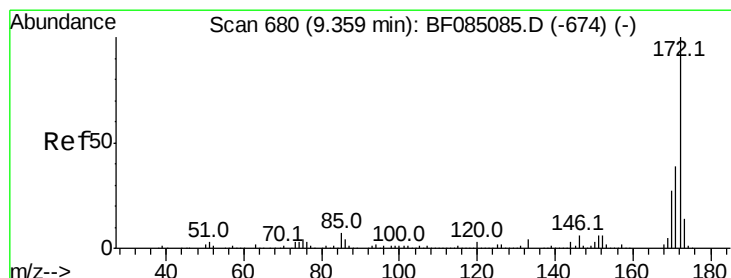
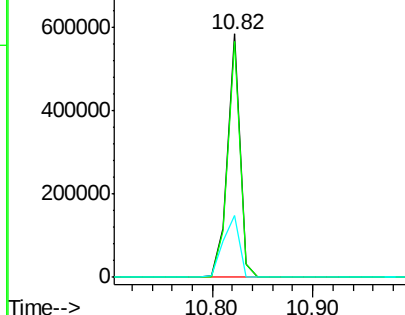
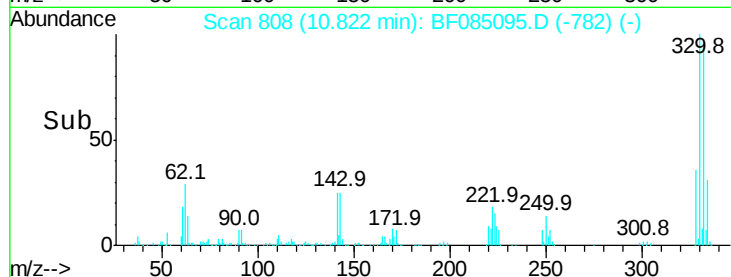
#41
 2,4,6-Tribromophenol
 Concen: 127.06 ng
 RT: 10.82 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF085095.D
 Acq: 17 Feb 2016 19:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.5	117.7
141	33.1	28.6	42.8

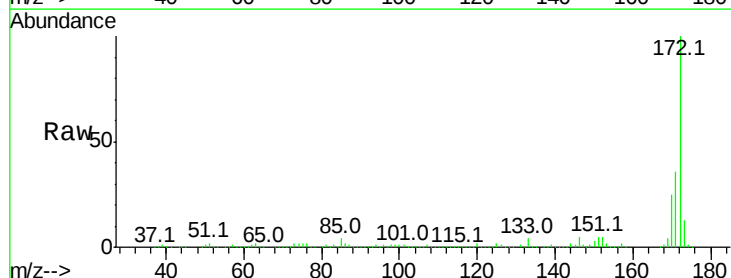


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

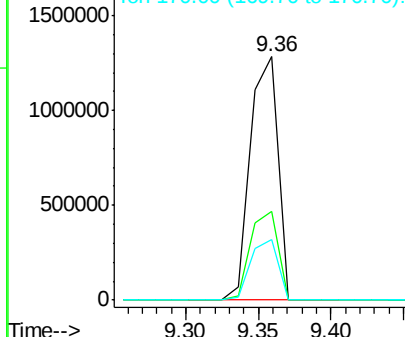
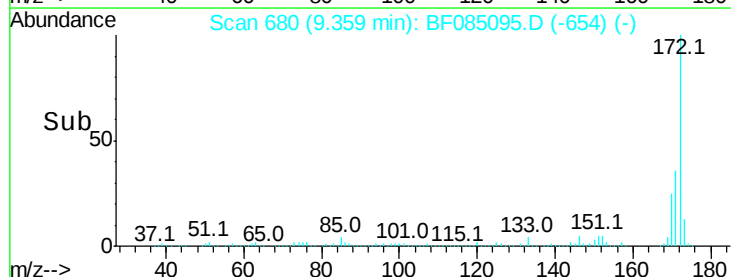


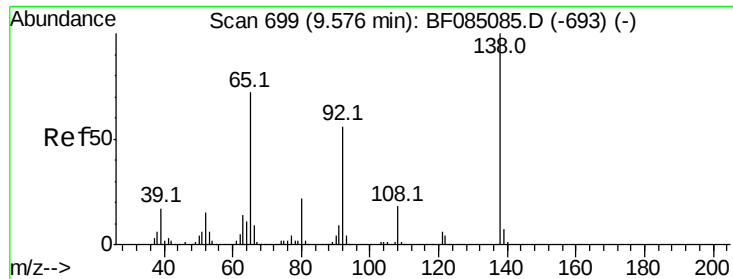
#44
 2-Fluorobiphenyl
 Concen: 66.21 ng
 RT: 9.36 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: BF085095.D
 Acq: 17 Feb 2016 19:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.1	43.7
170	24.8	19.6	29.4



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

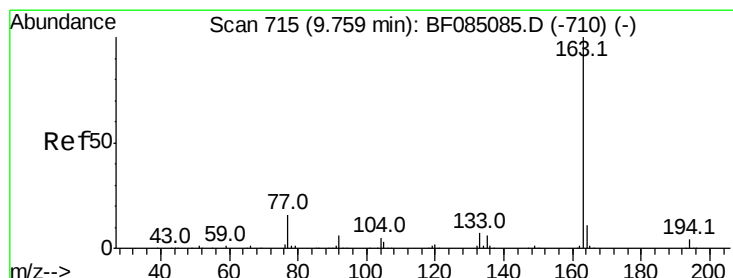
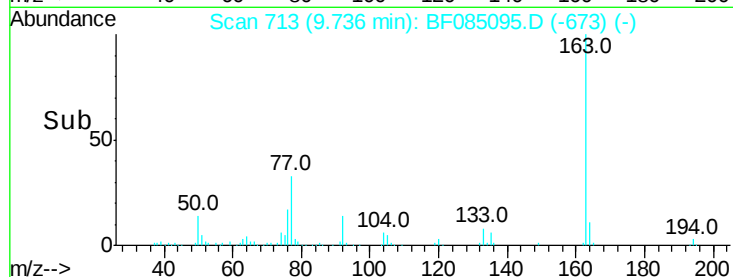
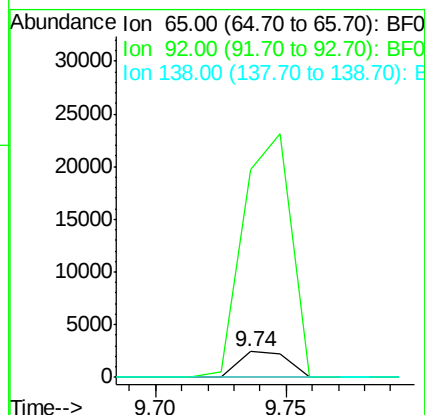
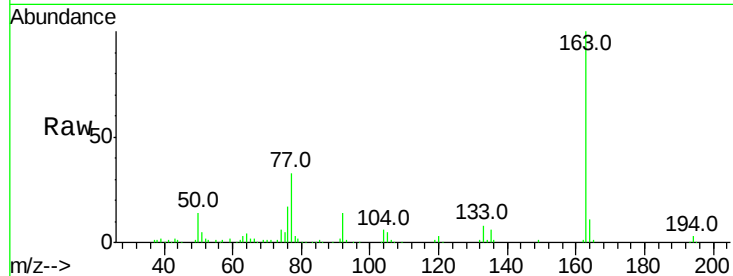




#47
2-Nitroaniline
Concen: 4.47 ng
RT: 9.74 min Scan# 713
Delta R.T. 0.16 min
Lab File: BF085095.D
Acq: 17 Feb 2016 19:20

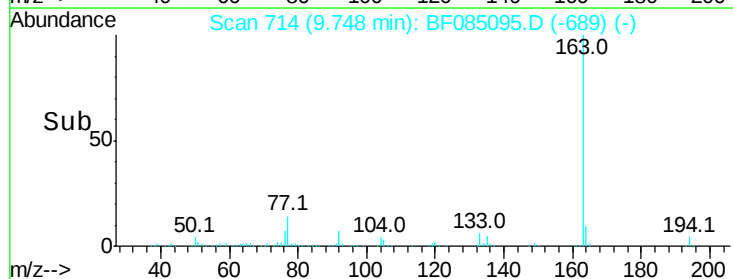
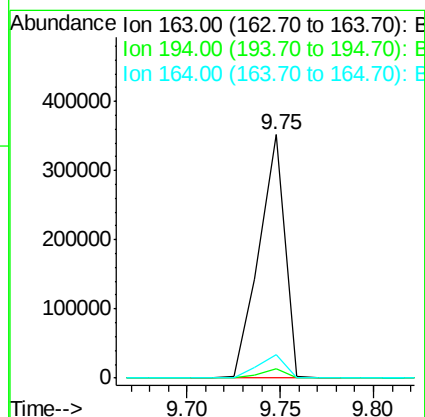
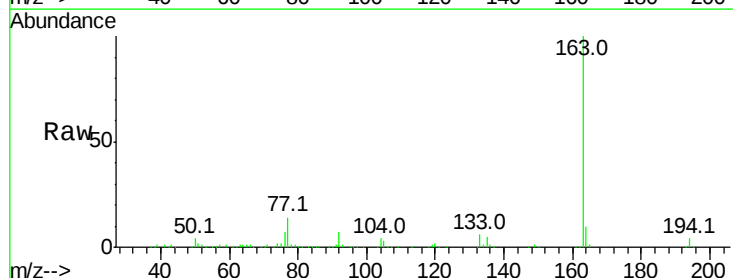
Instrument :
BNA_F
ClientSampleId :

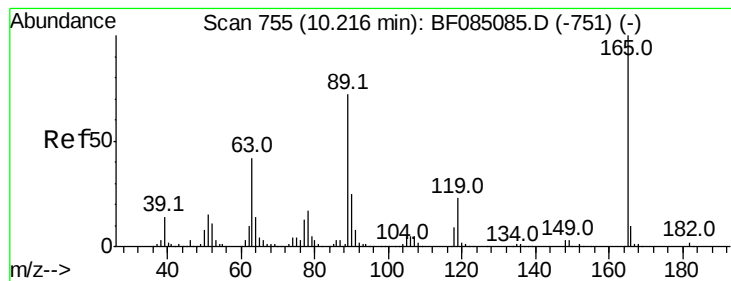
Tot Ion: 65 Resp: 3194
Ion Ratio Lower Upper
65 100
92 809.8 57.1 85.7#
138 0.0 86.8 130.2#



#49
Dimethylphthalate
Concen: 12.41 ng
RT: 9.75 min Scan# 714
Delta R.T. -0.01 min
Lab File: BF085095.D
Acq: 17 Feb 2016 19:20

Tgt Ion:163 Resp: 343015
Ion Ratio Lower Upper
163 100
194 3.9 2.5 3.7#
164 9.7 7.8 11.8

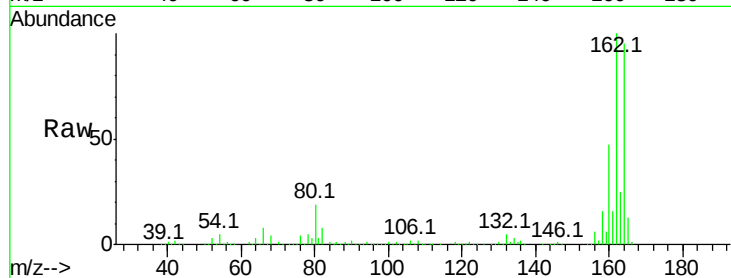




#56
 2,4-Dinitrotoluene
 Concen: 7.03 ng
 RT: 10.03 min Scan# 739
 Delta R.T. -0.18 min
 Lab File: BF085095.D
 Acq: 17 Feb 2016 19:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.6	55.0#
89	1.6	54.4	81.6#
182	0.0	1.6	2.4#

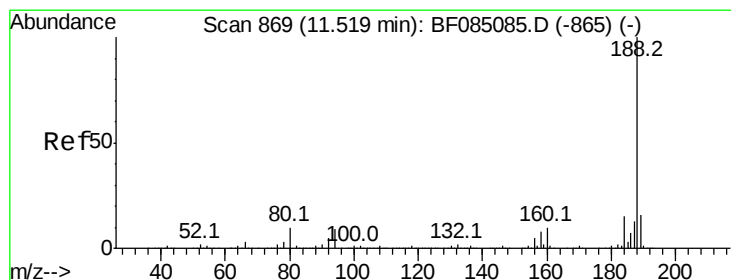
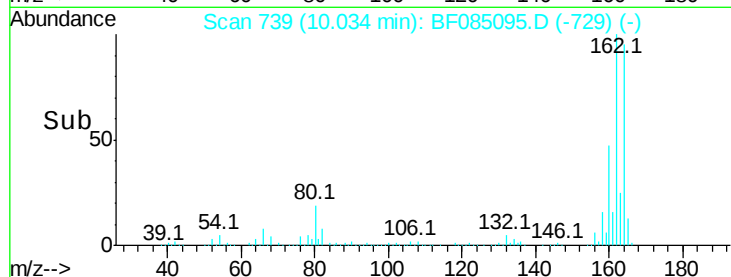
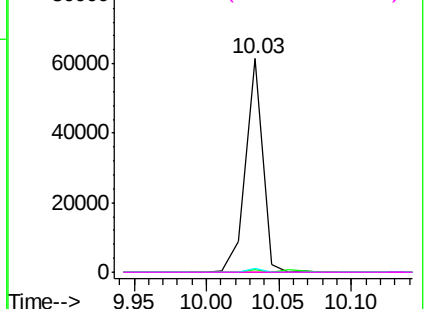


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

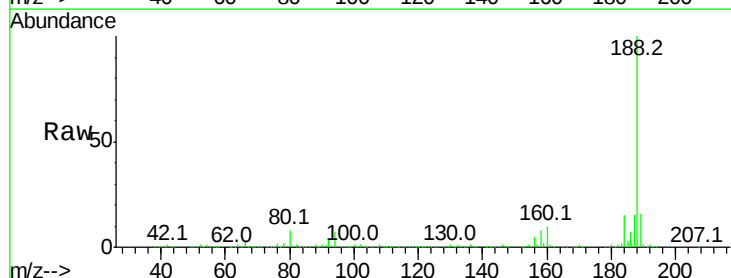
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.52 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: BF085095.D
 Acq: 17 Feb 2016 19:20

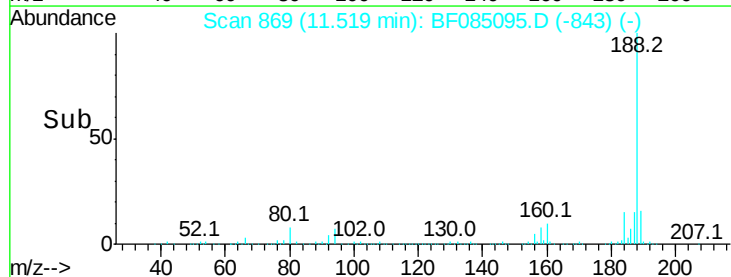
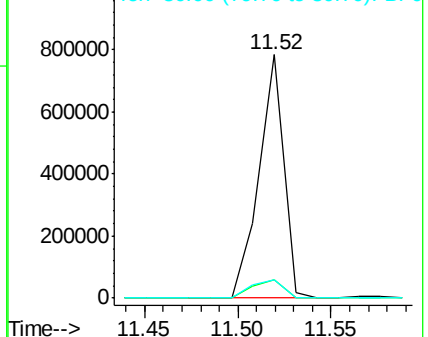
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.2	9.2
80	7.6	6.6	9.8

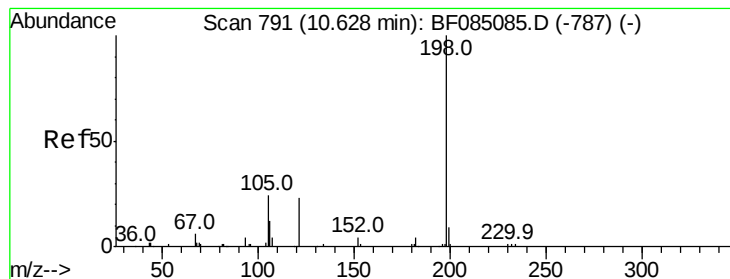


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 6.57 ng

RT: 10.82 min Scan# 808

Delta R.T. 0.20 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

Instrument :

BNA_F

ClientSampled :

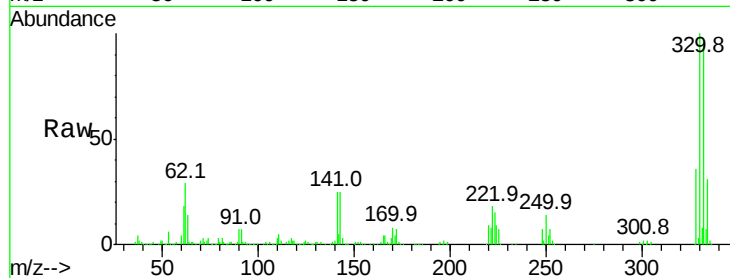
Tot Ion:198 Resp: 1217

Ion Ratio Lower Upper

198 100

51 123.6 34.5 74.5#

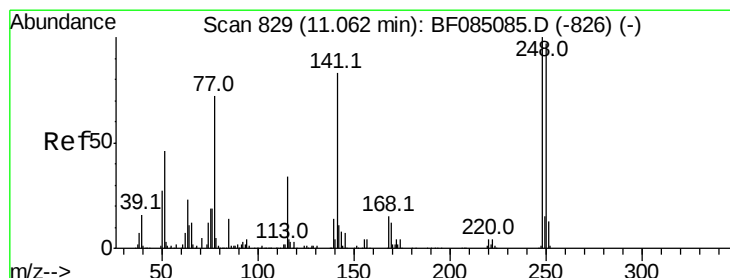
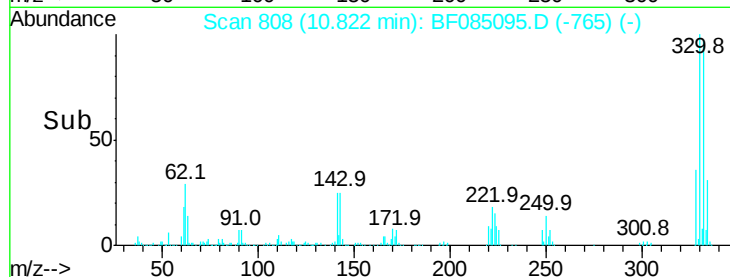
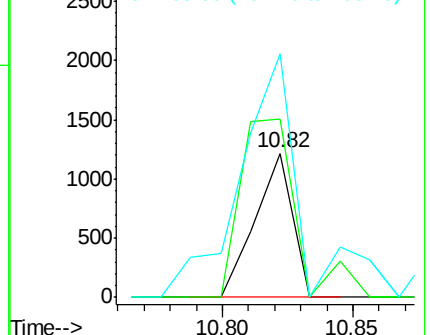
105 168.9 26.2 66.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.31 ng

RT: 10.82 min Scan# 808

Delta R.T. -0.24 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

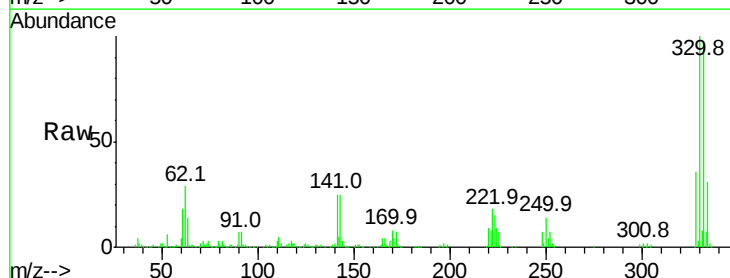
Tgt Ion:248 Resp: 36080

Ion Ratio Lower Upper

248 100

250 204.4 77.5 116.3#

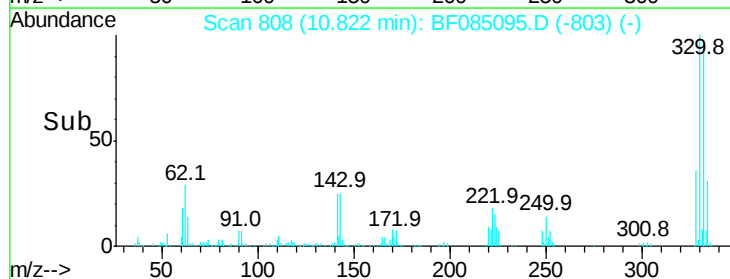
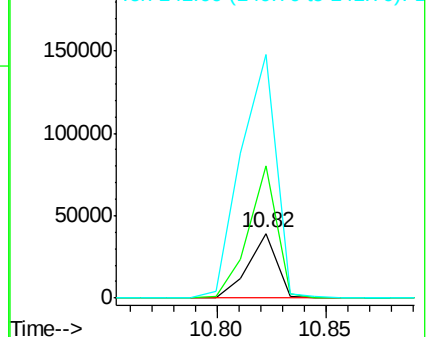
141 375.0 58.2 87.4#

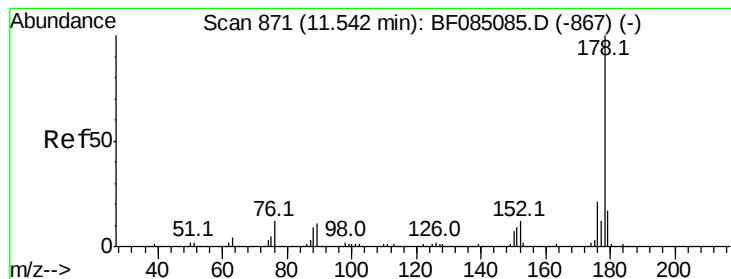


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 3.36 ng

RT: 11.54 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

Instrument :

BNA_F

ClientSampleId :

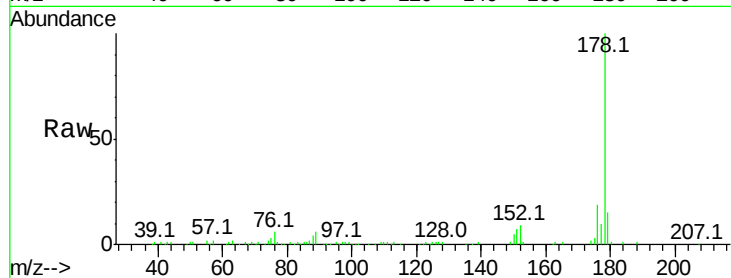
Tot Ion:178 Resp: 121128

Ion Ratio Lower Upper

178 100

176 18.5 15.9 23.9

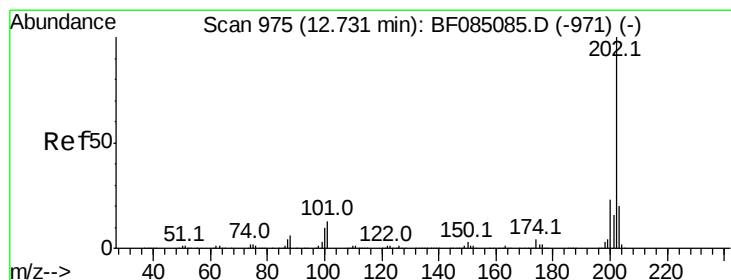
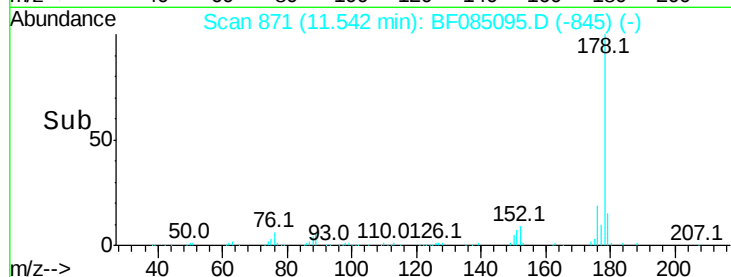
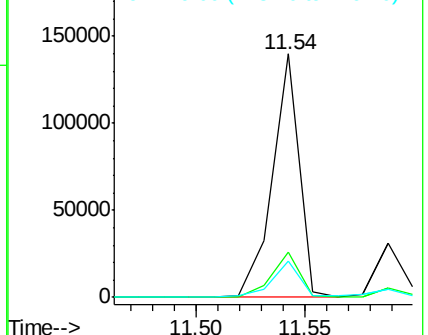
179 14.9 13.1 19.7



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: 3.17 ng

RT: 12.73 min Scan# 975

Delta R.T. 0.00 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

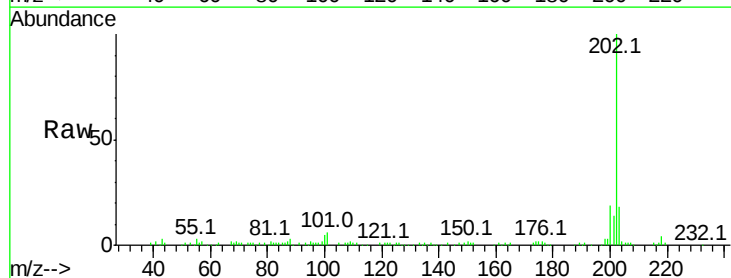
Tgt Ion:202 Resp: 123686

Ion Ratio Lower Upper

202 100

101 6.4 0.0 29.8

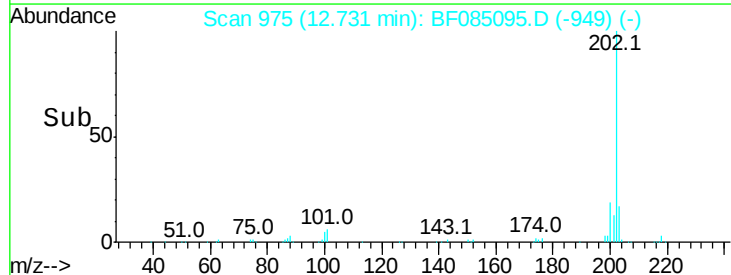
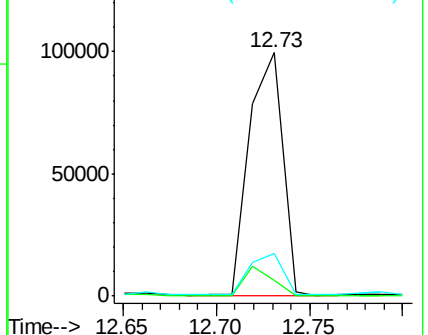
203 17.6 0.0 37.5

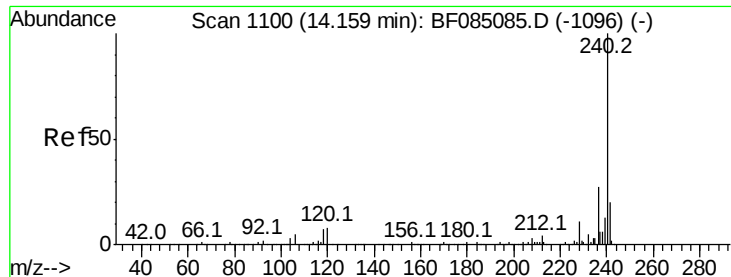


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.15 min Scan# 1099

Delta R.T. -0.01 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

Instrument :

BNA_F

ClientSampleId :

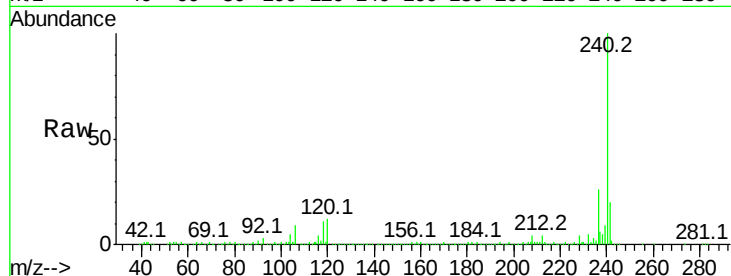
Tot Ion:240 Resp: 499767

Ion Ratio Lower Upper

240 100

120 12.4 7.0 10.6#

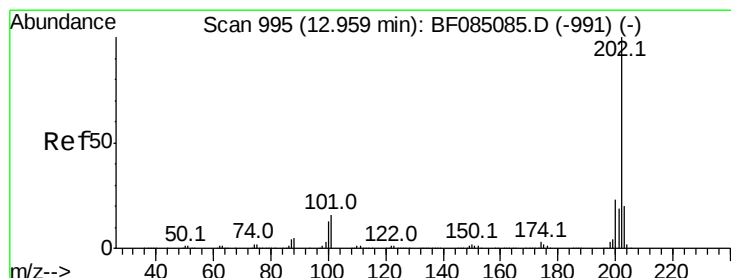
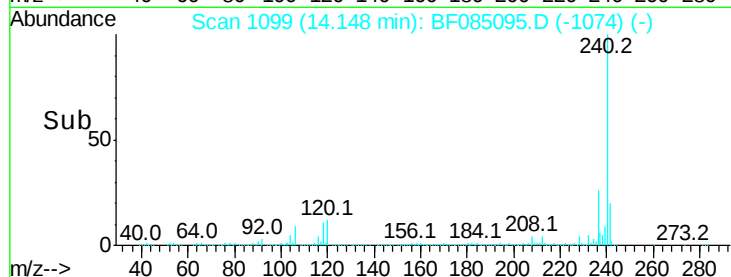
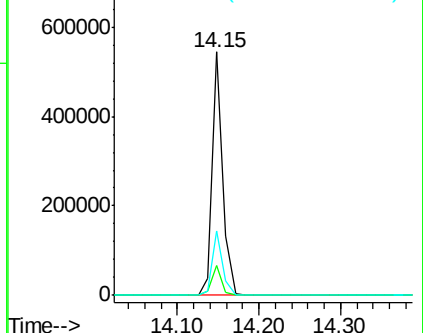
236 26.4 20.5 30.7



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: 4.23 ng

RT: 12.96 min Scan# 995

Delta R.T. 0.00 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

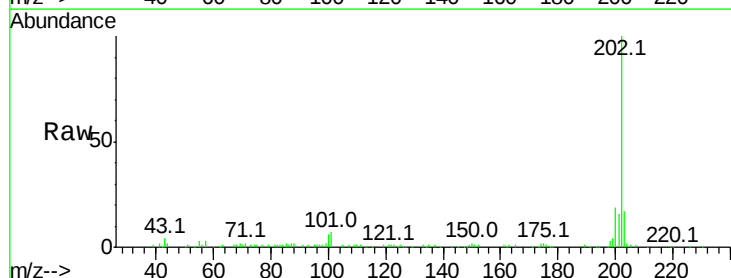
Tgt Ion:202 Resp: 127232

Ion Ratio Lower Upper

202 100

200 19.3 17.0 25.4

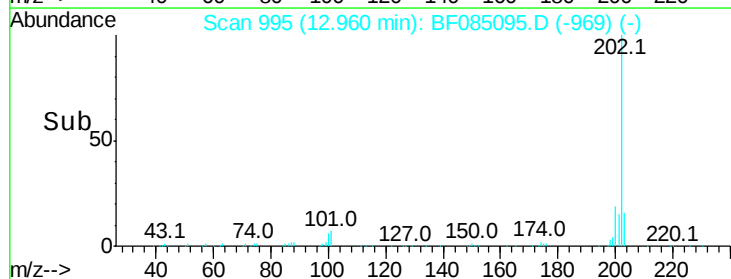
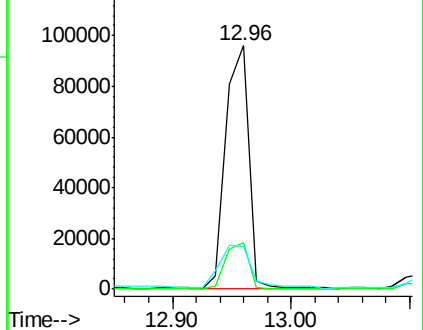
203 17.4 14.2 21.4

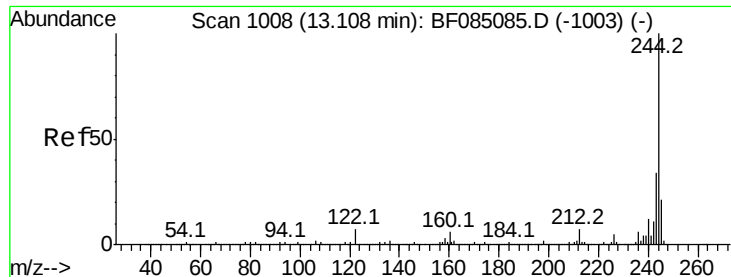


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 105.30 ng

RT: 13.11 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

Instrument :

BNA_F

ClientSampleId :

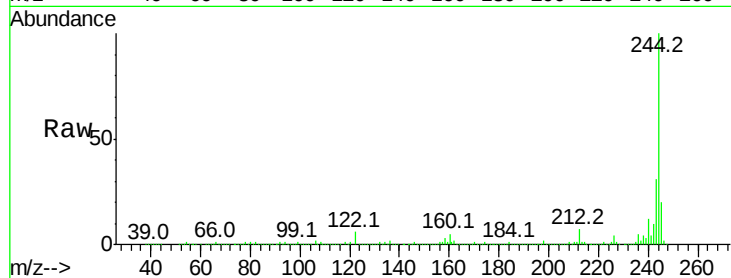
Tot Ion:244 Resp: 1878899

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

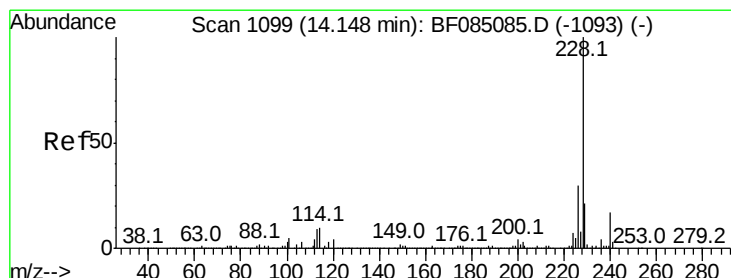
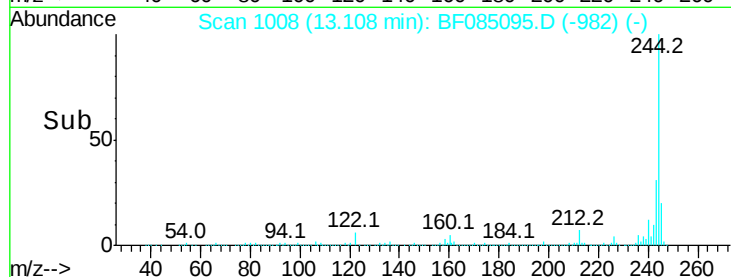
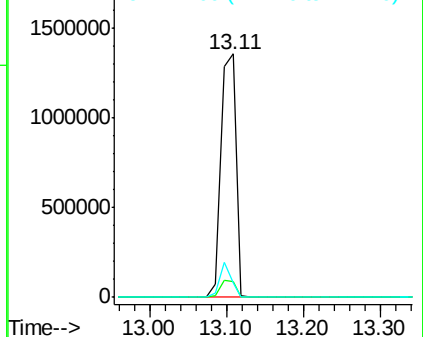
122 6.0 10.1 15.1#



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: 2.17 ng

RT: 14.14 min Scan# 1098

Delta R.T. -0.01 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

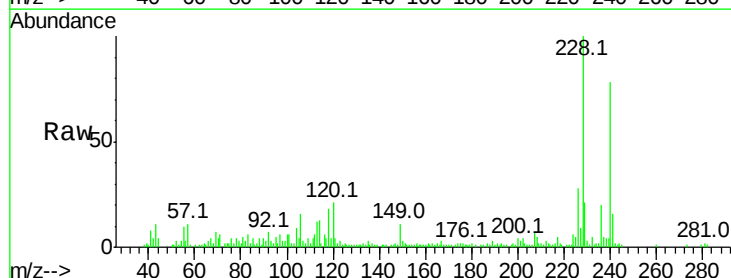
Tgt Ion:228 Resp: 60369

Ion Ratio Lower Upper

228 100

226 27.6 21.8 32.6

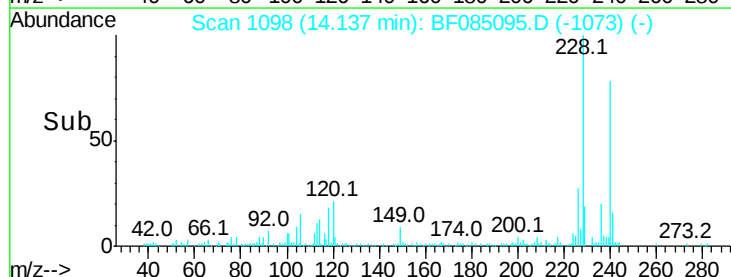
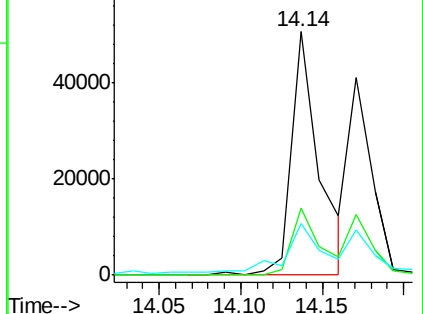
229 21.3 15.8 23.8

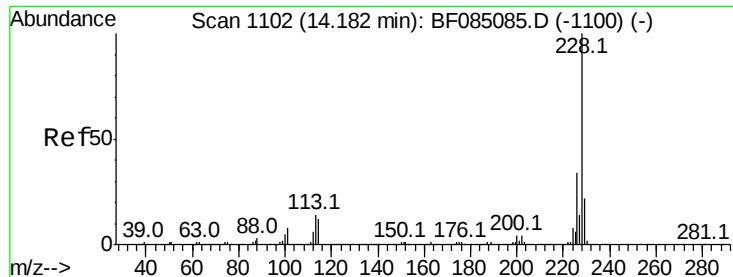


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.35 ng

RT: 14.14 min Scan# 1098

Delta R.T. -0.05 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

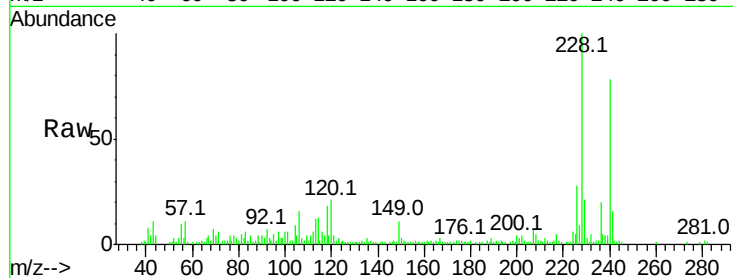
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 60369

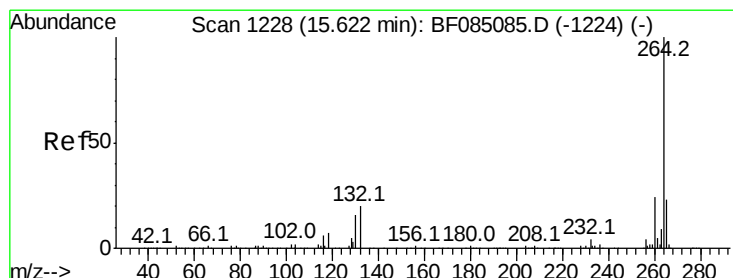
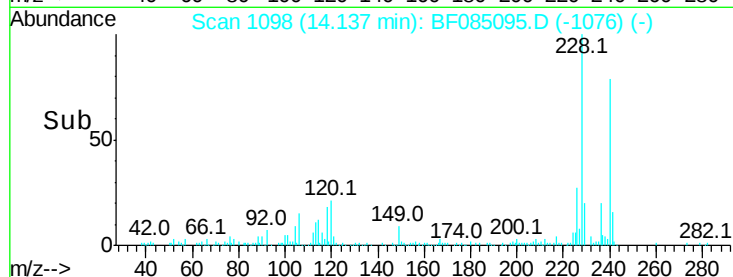
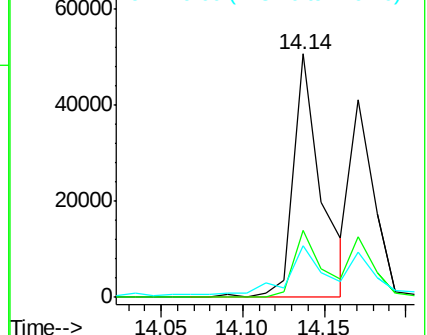
Ion	Ratio	Lower	Upper
228	100		
226	27.6	24.3	36.5
229	21.3	16.1	24.1



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: 15.62 min Scan# 1228

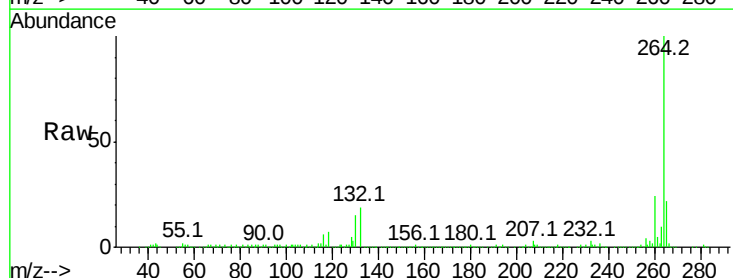
Delta R.T. 0.00 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

Tgt Ion:264 Resp: 433635

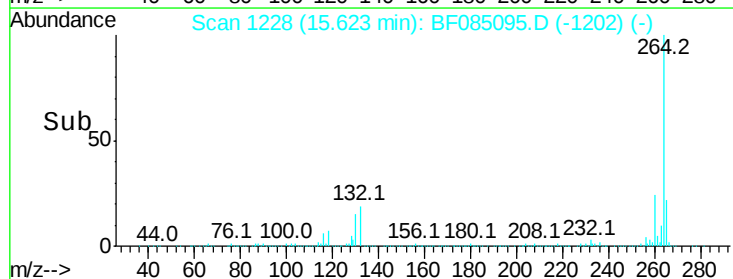
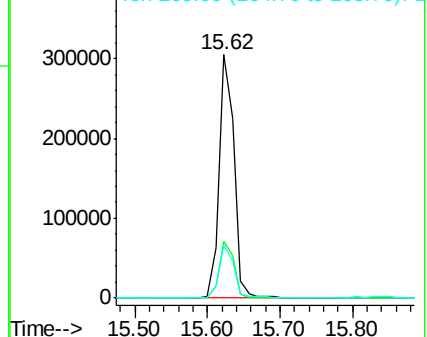
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	21.7	16.7	25.1

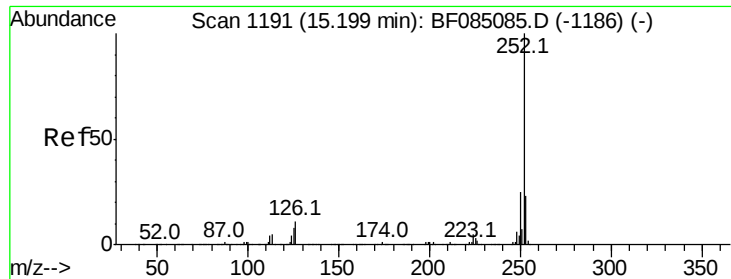


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.14 ng

RT: 15.19 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

Instrument :

BNA_F

ClientSampleId :

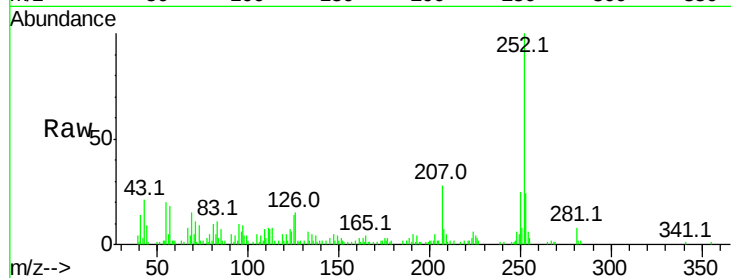
Tot Ion:252 Resp: 59172

Ion Ratio Lower Upper

252 100

253 24.2 17.6 26.4

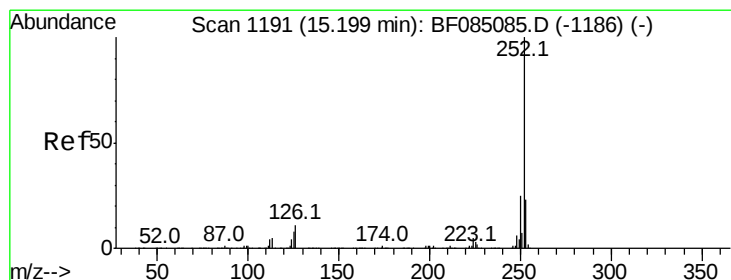
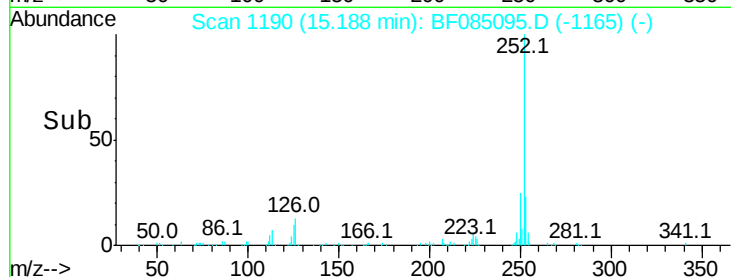
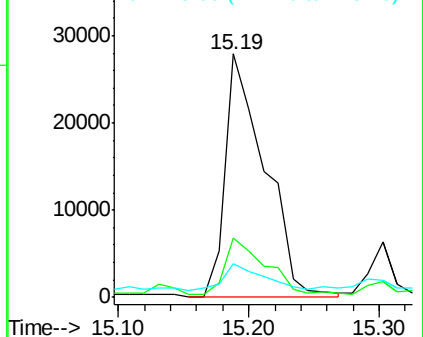
125 14.1 5.4 8.2#



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



#88

Benzo(k)fluoranthene

Concen: 2.66 ng

RT: 15.19 min Scan# 1190

Delta R.T. -0.03 min

Lab File: BF085095.D

Acq: 17 Feb 2016 19:20

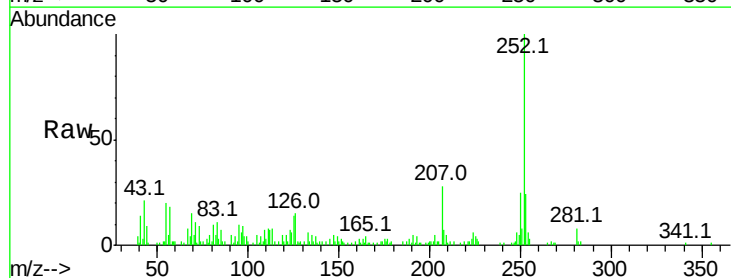
Tgt Ion:252 Resp: 59172

Ion Ratio Lower Upper

252 100

253 24.2 17.4 26.0

125 14.1 7.2 10.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

