

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
 Data File : BF085500.D
 Acq On : 17 Mar 2016 19:25
 Operator : UM/SJ
 Sample : H1792-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1RE

Quant Time: Mar 18 00:46:30 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	140965	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	597934	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	255397	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	459424	20.00	ng	-0.05
75) Chrysene-d12	14.04	240	315797	20.00	ng	-0.05
86) Perylene-d12	15.47	264	280536	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1147232	139.90	ng	-0.02
7) Phenol-d6	6.52	99	1529636	143.80	ng	-0.03
23) Nitrobenzene-d5	7.44	82	866725	85.70	ng	-0.05
41) 2,4,6-Tribromophenol	10.71	330	364183	154.82	ng	-0.05
44) 2-Fluorobiphenyl	9.24	172	1355135	92.05	ng	-0.05
78) Terphenyl-d14	12.98	244	1029504	73.75	ng	-0.05

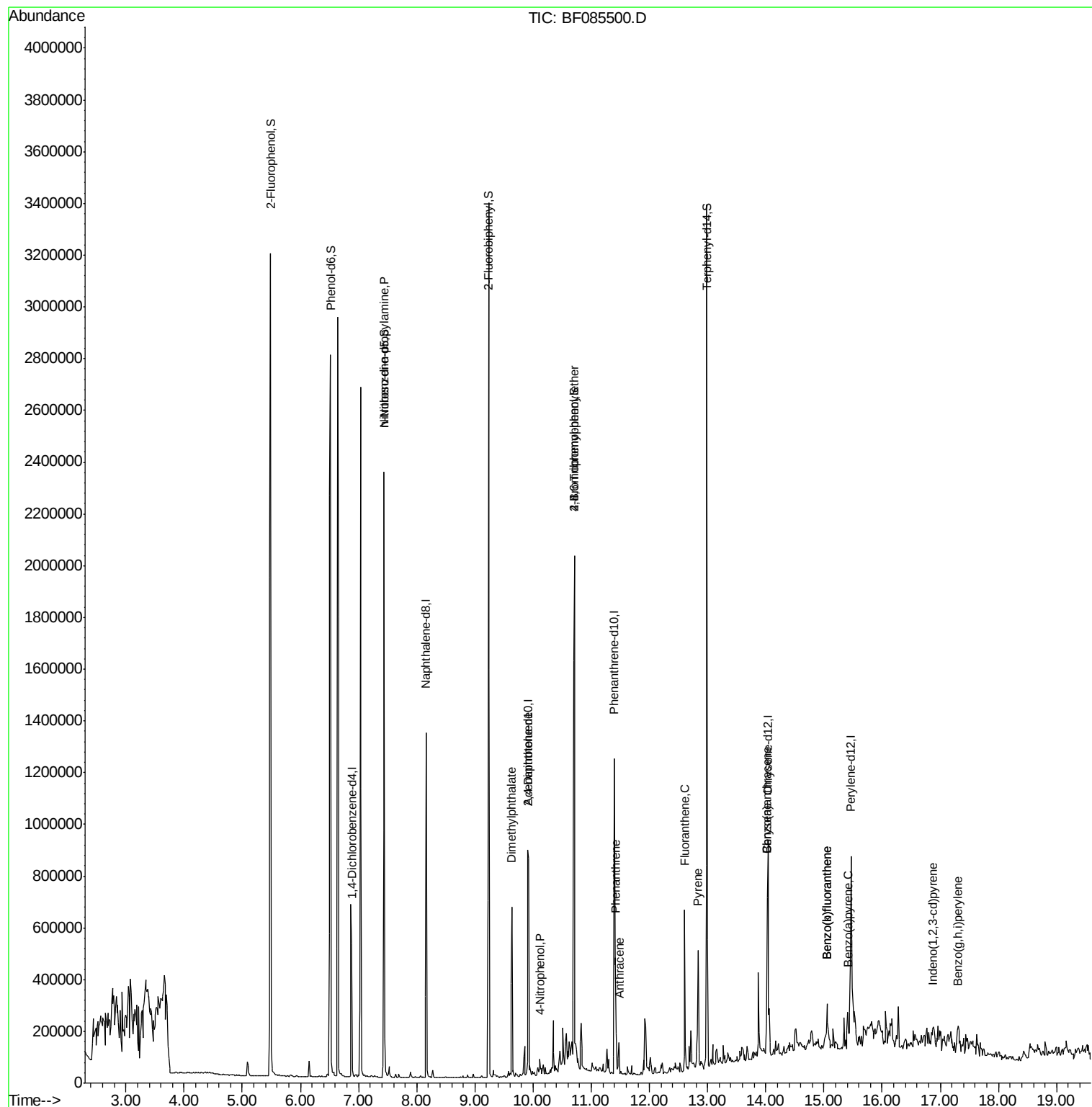
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	115682	18.16	ng	# 77
49) Dimethylphthalate	9.64	163	329772	17.70	ng	99
55) 4-Nitrophenol	10.12	139	6849	2.02	ng	# 17
56) 2,4-Dinitrotoluene	9.91	165	32113	6.22	ng	# 23
66) 4-Bromophenyl-phenylether	10.71	248	24041	5.17	ng	# 1
70) Phenanthrene	11.42	178	178612	7.46	ng	97
71) Anthracene	11.48	178	52313	2.15	ng	98
74) Fluoranthene	12.61	202	227351	10.11	ng	98
77) Pyrene	12.84	202	178612	7.54	ng	98
80) Benzo(a)anthracene	14.03	228	92696	5.12	ng	99
82) Chrysene	14.03	228	92696	5.69	ng	98
85) Indeno(1,2,3-cd)pyrene	16.87	276	41148	2.67	ng	93
87) Benzo(b)fluoranthene	15.05	252	104801	5.72	ng	97
88) Benzo(k)fluoranthene	15.05	252	104801	7.30	ng	96
89) Benzo(a)pyrene	15.41	252	55726	3.52	ng	96
91) Benzo(g,h,i)perylene	17.29	276	47395	3.00	ng	96

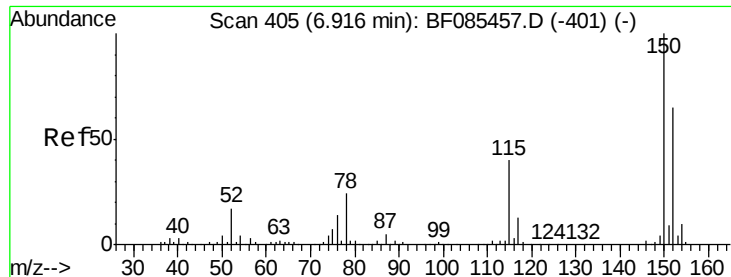
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 402

Delta R.T. -0.03 min

Lab File: BF085500.D

Acq: 17 Mar 2016 19:25

Instrument :

BNA_F

ClientSampleId :

SP-1RE

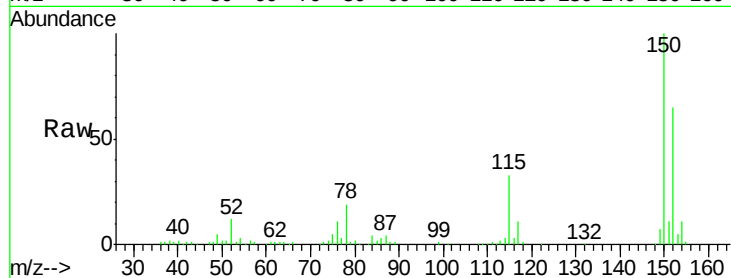
Tgt Ion:152 Resp: 140965

Ion Ratio Lower Upper

152 100

150 153.7 124.6 186.8

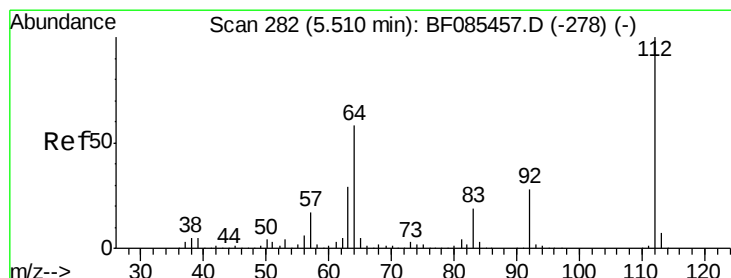
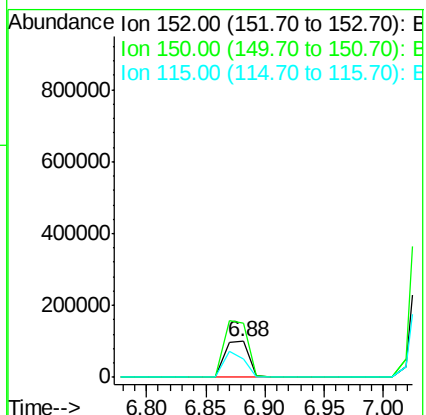
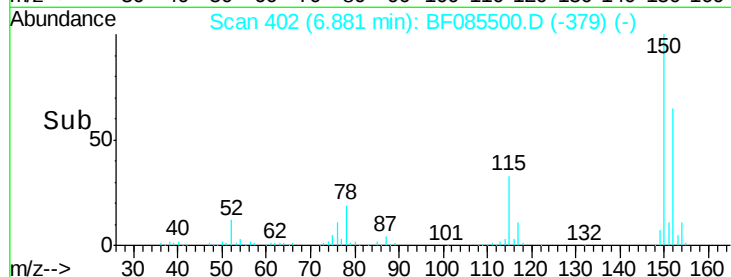
115 51.0 46.6 70.0



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: 139.90 ng

RT: 5.49 min Scan# 280

Delta R.T. -0.02 min

Lab File: BF085500.D

Acq: 17 Mar 2016 19:25

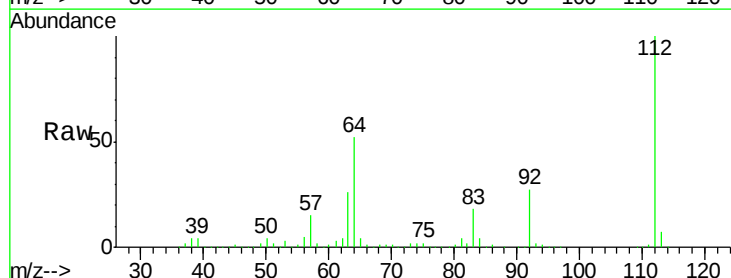
Tgt Ion:112 Resp: 1147232

Ion Ratio Lower Upper

112 100

64 52.2 49.0 73.4

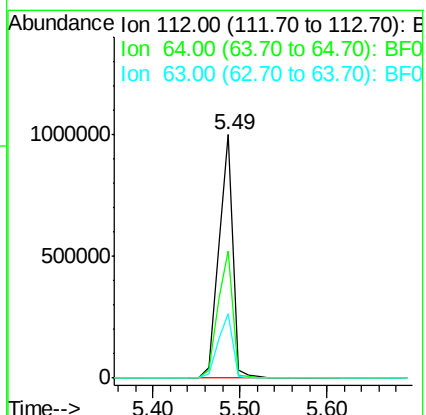
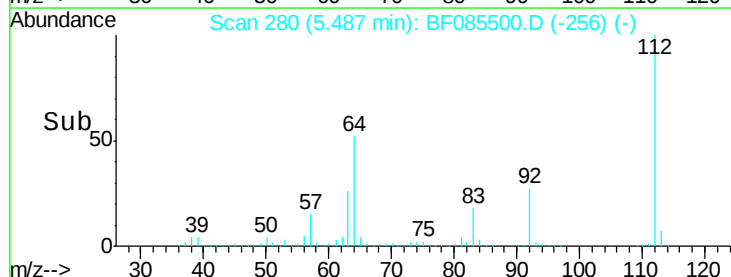
63 26.4 24.8 37.2

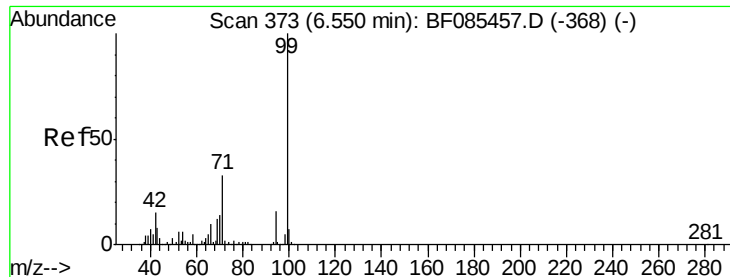


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 143.80 ng

RT: 6.52 min Scan# 370

Delta R.T. -0.03 min

Lab File: BF085500.D

Acq: 17 Mar 2016 19:25

Instrument :

BNA_F

ClientSampled :

SP-1RE

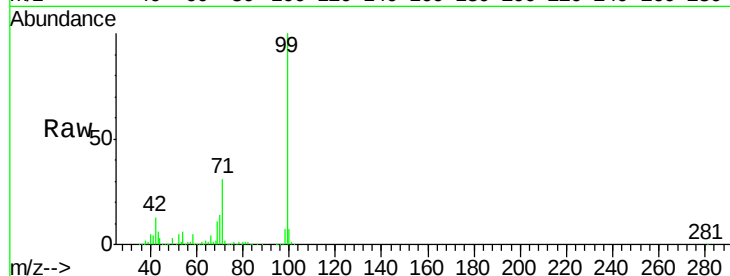
Tgt Ion: 99 Resp: 1529636

Ion Ratio Lower Upper

99 100

42 12.9 13.6 20.4#

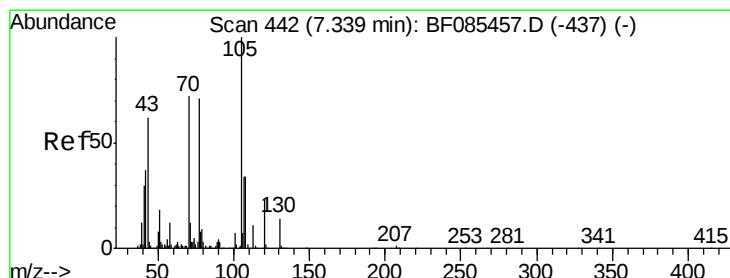
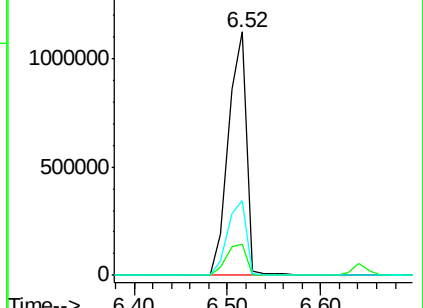
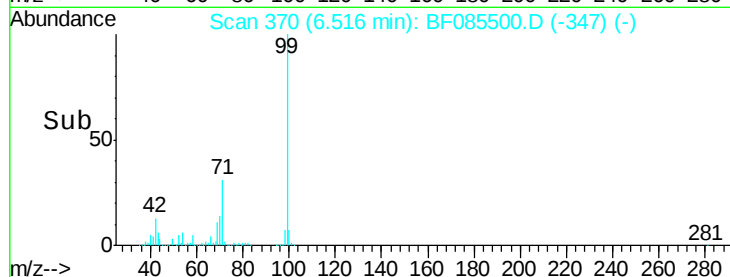
71 30.9 26.7 40.1



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: 18.16 ng

RT: 7.44 min Scan# 451

Delta R.T. 0.10 min

Lab File: BF085500.D

Acq: 17 Mar 2016 19:25

Tgt Ion: 70 Resp: 115682

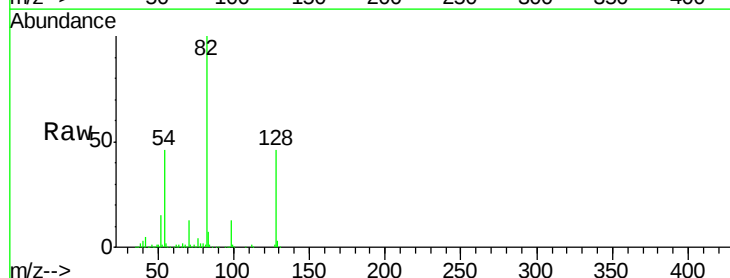
Ion Ratio Lower Upper

70 100

42 41.1 37.7 56.5

101 0.0 8.2 12.4#

130 2.4 20.5 30.7#

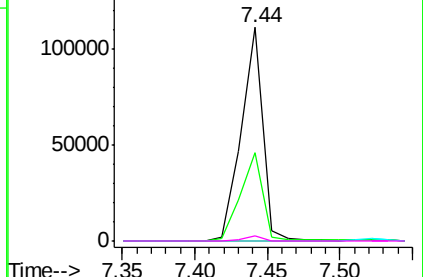
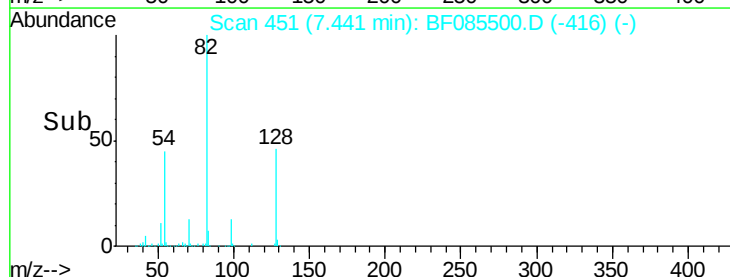


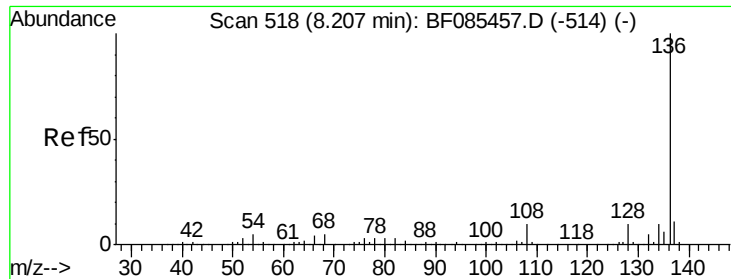
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

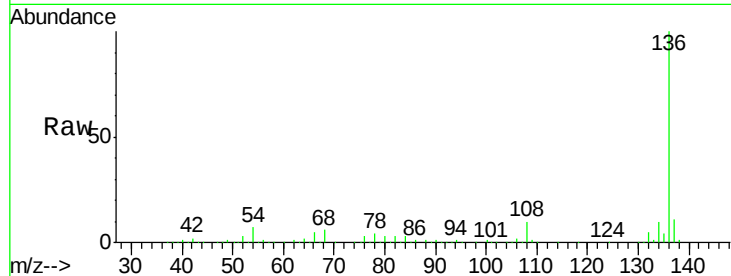




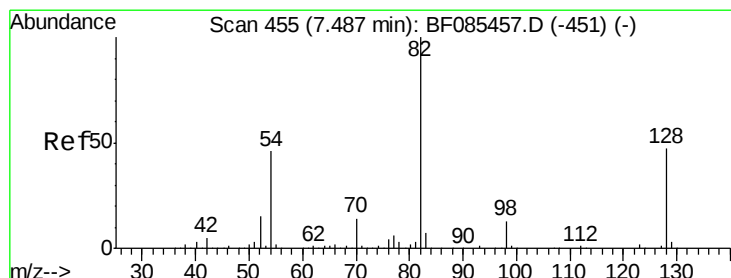
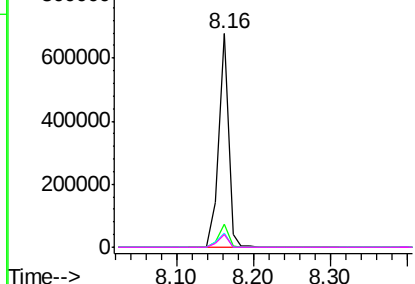
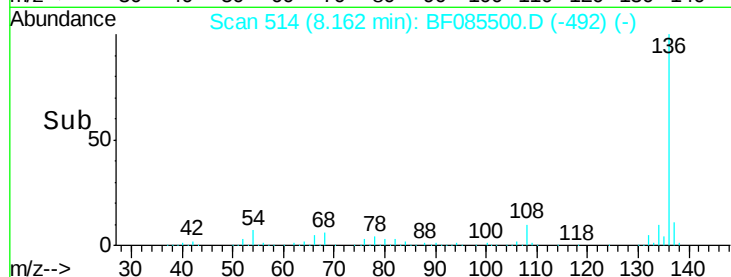
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 514
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Instrument :
BNA_F
ClientSampleId :
SP-1RE

Tgt Ion:	136	Resp:	597934
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.3	13.9
54	6.7	7.4	11.2#
68	5.9	6.0	9.0#

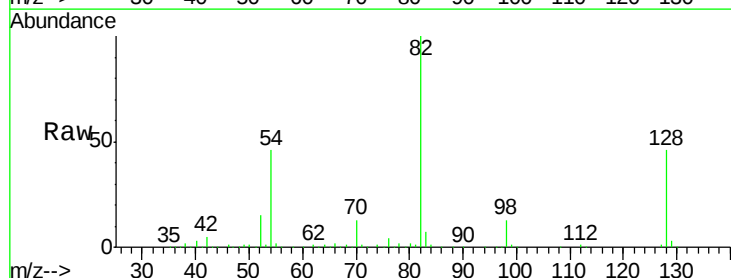


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

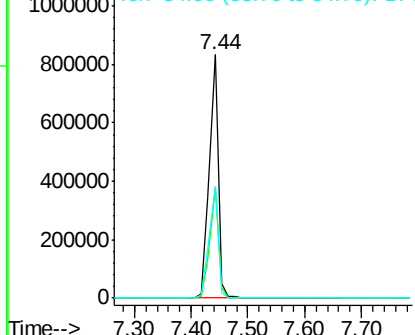
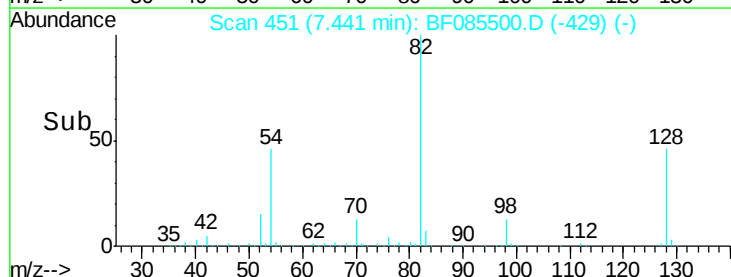


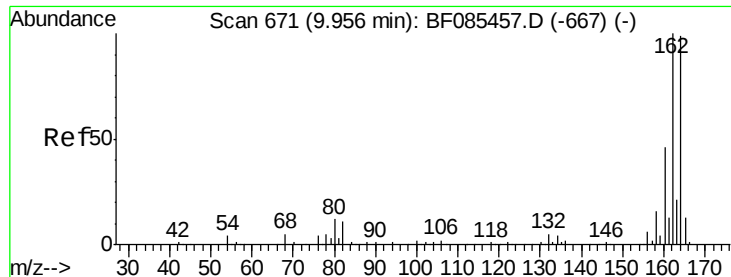
#23
Nitrobenzene-d5
Concen: 85.70 ng
RT: 7.44 min Scan# 451
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:	82	Resp:	866725
Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.5	51.7
54	45.7	39.3	58.9



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

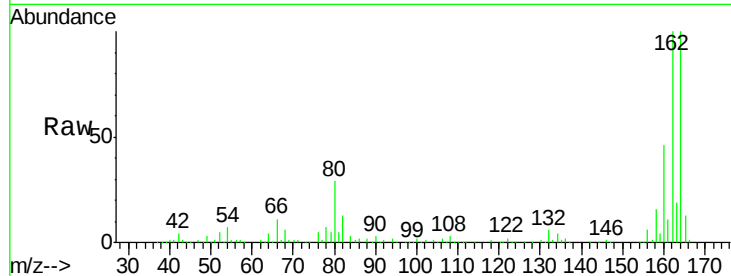




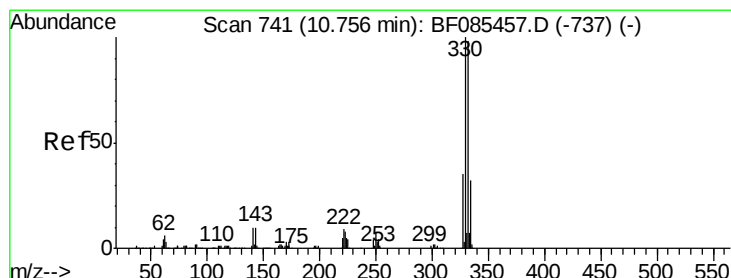
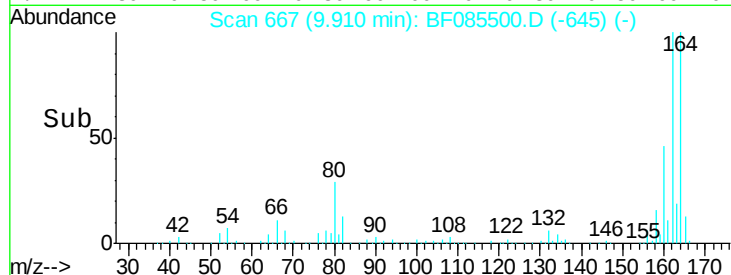
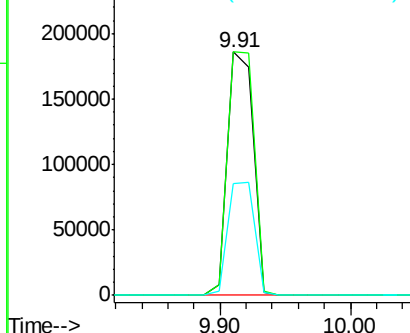
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 667
 Delta R.T. -0.05 min
 Lab File: BF085500.D
 Acq: 17 Mar 2016 19:25

Instrument :
 BNA_F
 ClientSampleID :
 SP-1RE

Tgt Ion:164 Resp: 255397
 Ion Ratio Lower Upper
 164 100
 162 100.0 83.3 124.9
 160 45.9 37.9 56.9

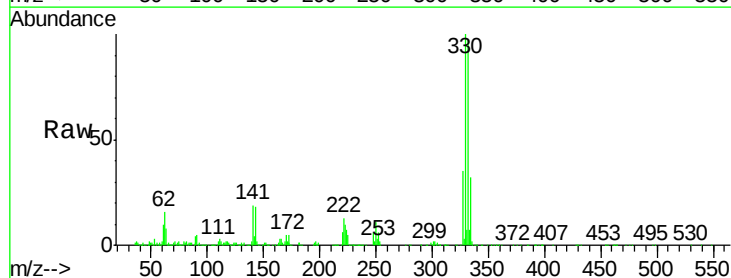


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

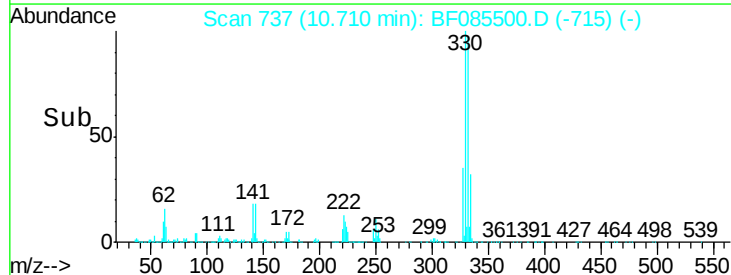
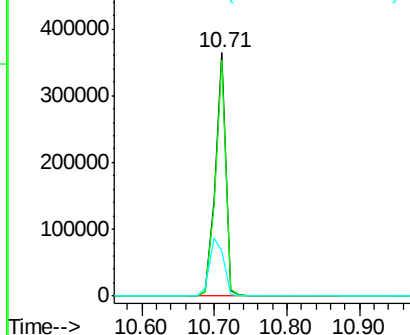


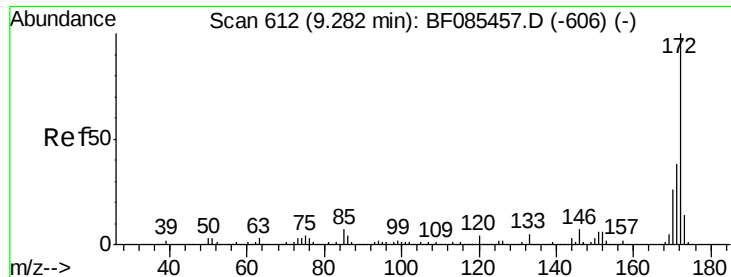
#41
 2,4,6-Tribromophenol
 Concen: 154.82 ng
 RT: 10.71 min Scan# 737
 Delta R.T. -0.05 min
 Lab File: BF085500.D
 Acq: 17 Mar 2016 19:25

Tgt Ion:330 Resp: 364183
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.1 115.7
 141 32.7 35.0 52.6#



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

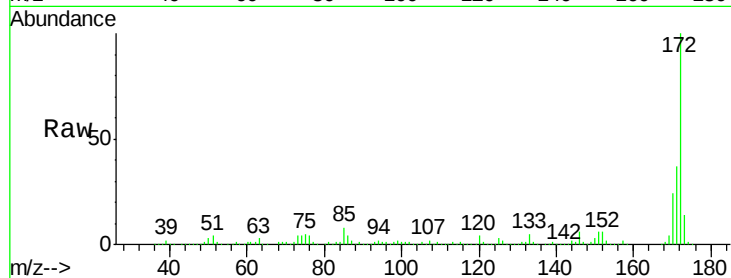




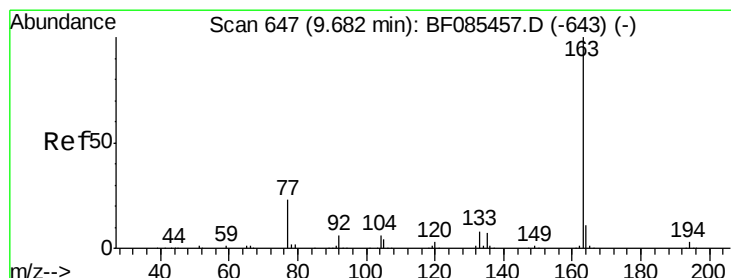
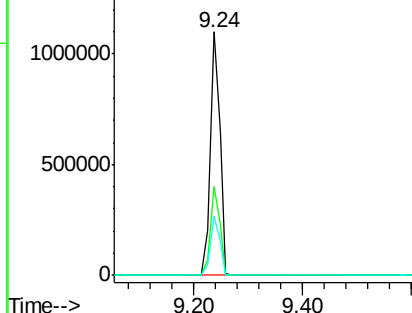
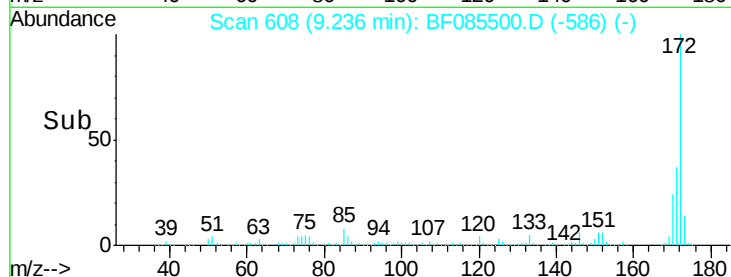
#44
2-Fluorobiphenyl
Concen: 92.05 ng
RT: 9.24 min Scan# 608
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Instrument :
BNA_F
ClientSampled :
SP-1RE

Tgt Ion:172 Resp: 1355135
Ion Ratio Lower Upper
172 100
171 36.5 29.3 43.9
170 24.2 20.0 30.0

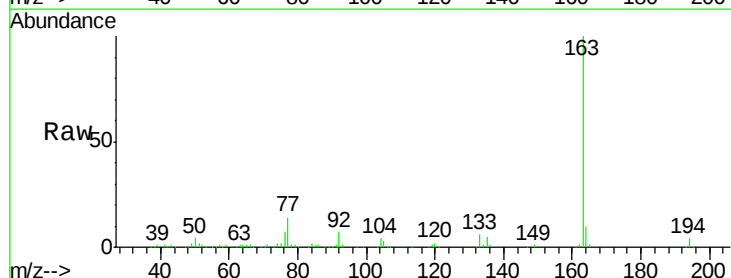


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

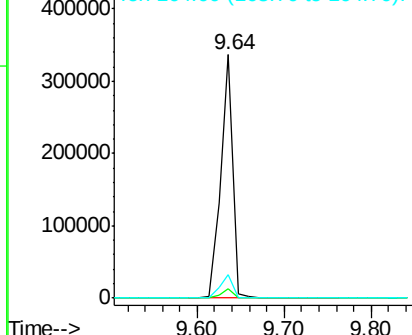
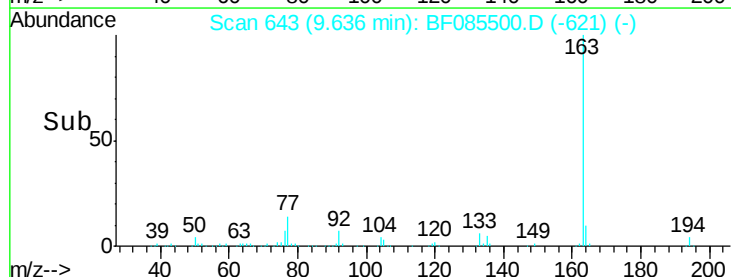


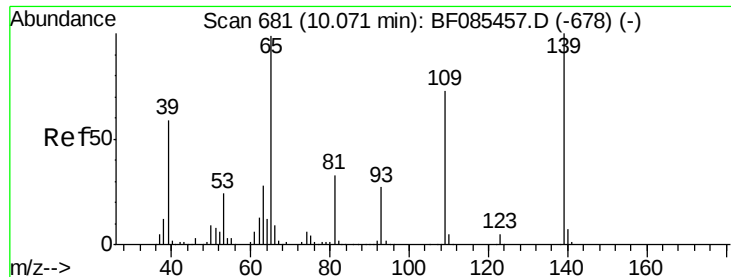
#49
Dimethylphthalate
Concen: 17.70 ng
RT: 9.64 min Scan# 643
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:163 Resp: 329772
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 9.9 8.2 12.4



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





#55

4-Nitrophenol

Concen: 2.02 ng

RT: 10.12 min Scan# 685

Delta R.T. 0.05 min

Lab File: BF085500.D

Acq: 17 Mar 2016 19:25

Instrument :

BNA_F

ClientSampleId :

SP-1RE

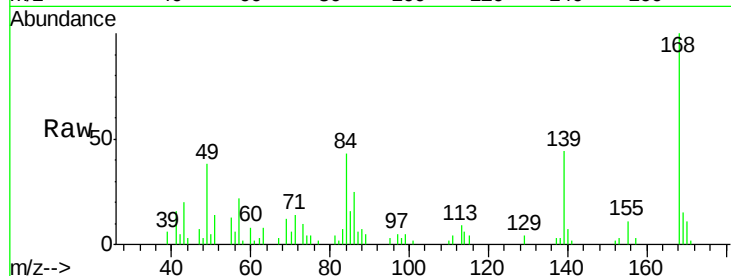
Tgt Ion:139 Resp: 6849

Ion Ratio Lower Upper

139 100

109 0.0 41.9 81.9#

65 0.0 48.3 88.3#

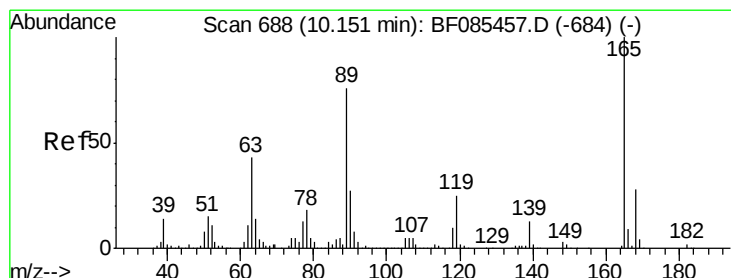
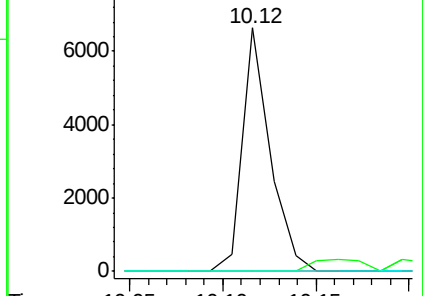
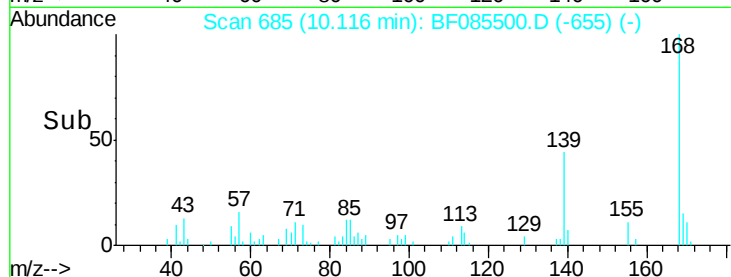


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

Time-->



#56

2,4-Dinitrotoluene

Concen: 6.22 ng

RT: 9.91 min Scan# 667

Delta R.T. -0.24 min

Lab File: BF085500.D

Acq: 17 Mar 2016 19:25

Tgt Ion:165 Resp: 32113

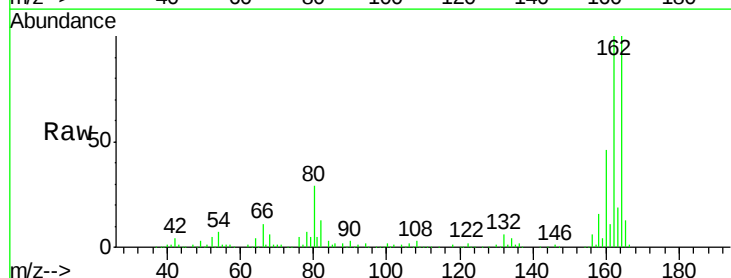
Ion Ratio Lower Upper

165 100

63 1.3 35.4 53.0#

89 2.7 61.9 92.9#

182 0.0 1.9 2.9#



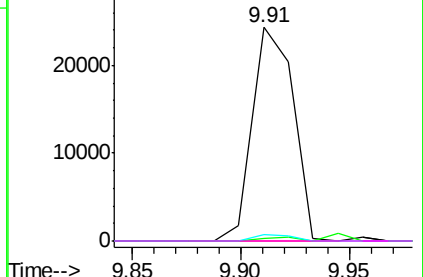
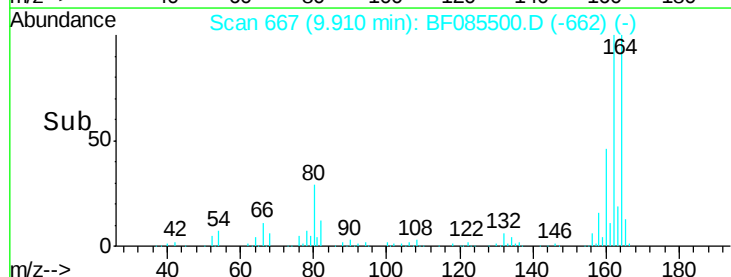
Abundance Ion 165.00 (164.70 to 165.70): E

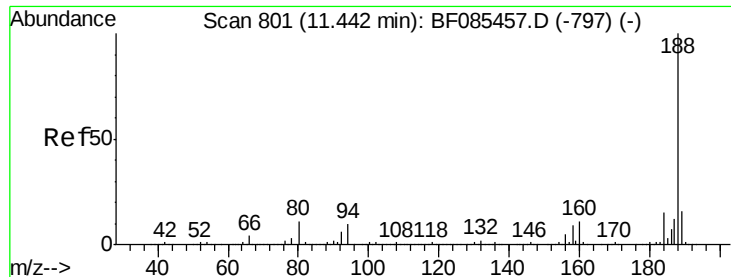
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

Time-->

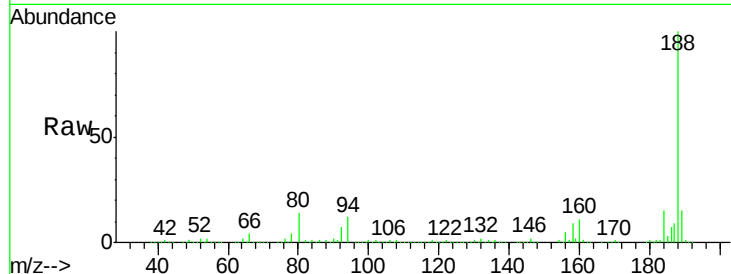




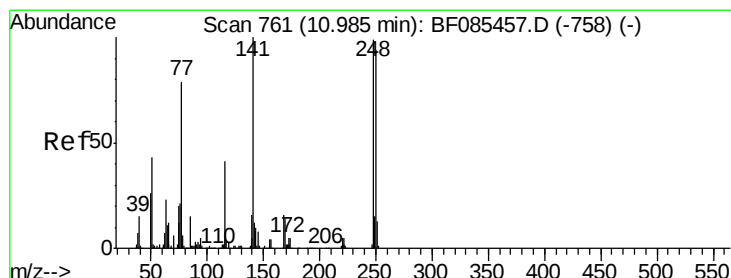
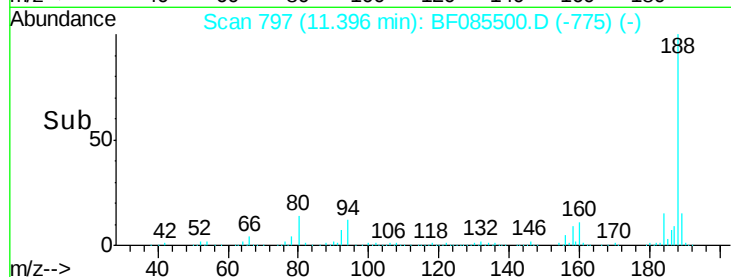
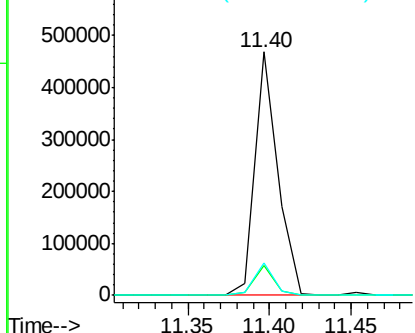
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Instrument :
BNA_F
ClientSampleId :
SP-1RE

Tgt Ion:188 Resp: 459424
Ion Ratio Lower Upper
188 100
94 12.1 7.0 10.6#
80 13.5 7.4 11.0#

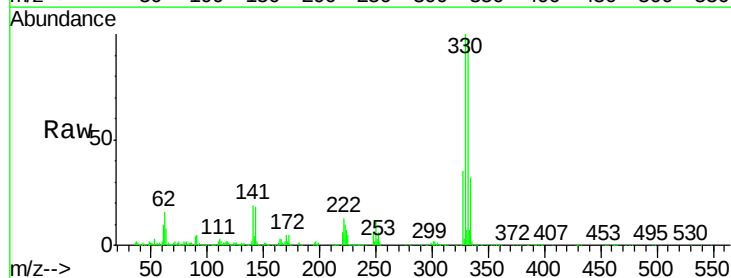


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

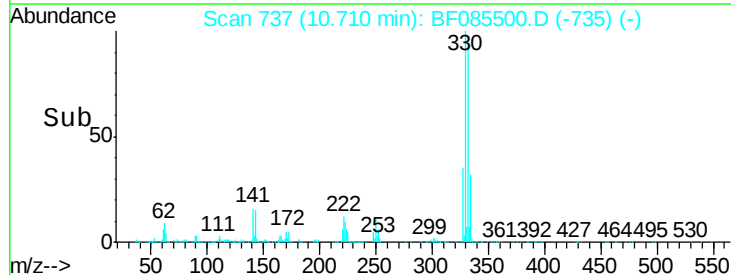
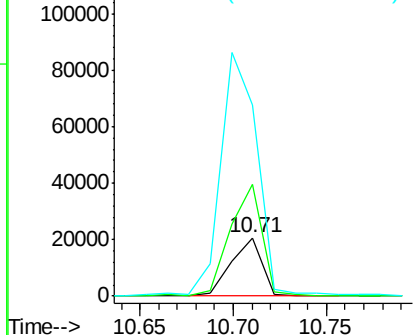


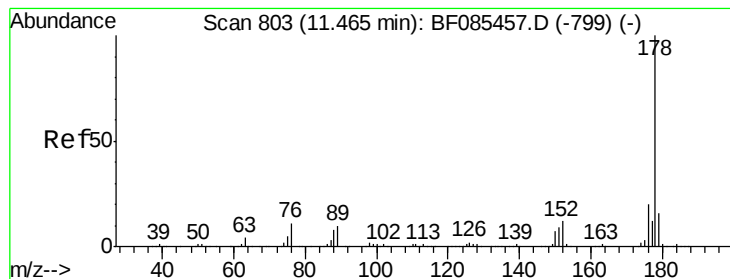
#66
4-Bromophenyl-phenylether
Concen: 5.17 ng
RT: 10.71 min Scan# 737
Delta R.T. -0.27 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:248 Resp: 24041
Ion Ratio Lower Upper
248 100
250 192.8 77.1 115.7#
141 327.9 66.2 99.2#



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: 7.46 ng

RT: 11.42 min Scan# 799

Delta R.T. -0.05 min

Lab File: BF085500.D

Acq: 17 Mar 2016 19:25

Instrument :

BNA_F

ClientSampleId :

SP-1RE

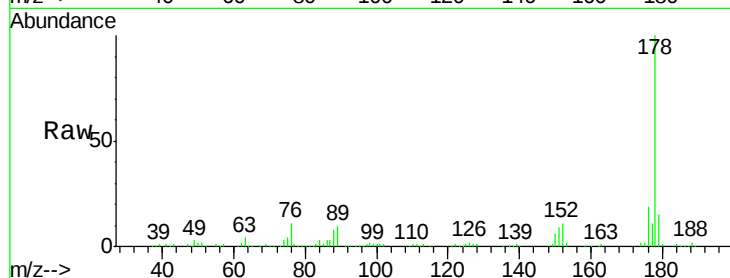
Tgt Ion:178 Resp: 178612

Ion Ratio Lower Upper

178 100

176 19.2 16.8 25.2

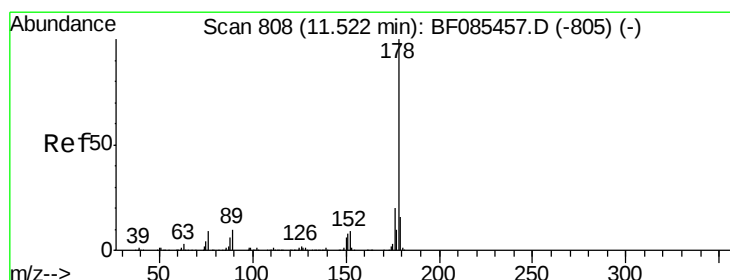
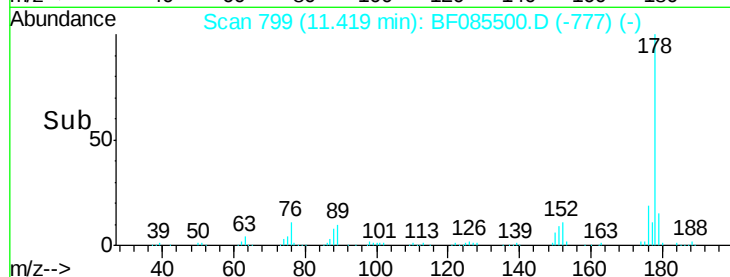
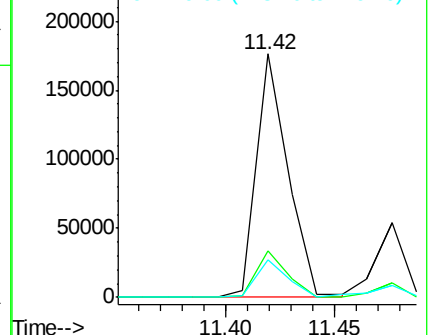
179 15.2 13.1 19.7



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



#71

Anthracene

Concen: 2.15 ng

RT: 11.48 min Scan# 804

Delta R.T. -0.05 min

Lab File: BF085500.D

Acq: 17 Mar 2016 19:25

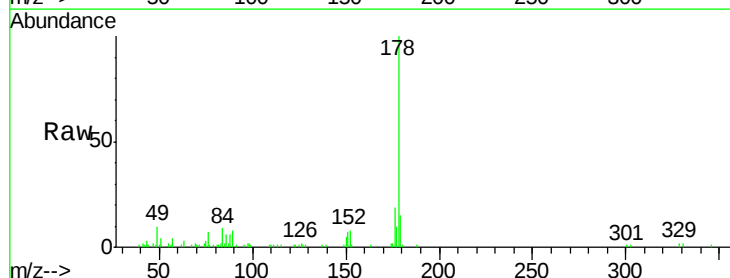
Tgt Ion:178 Resp: 52313

Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

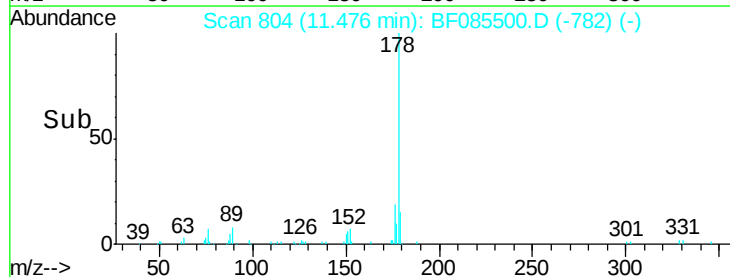
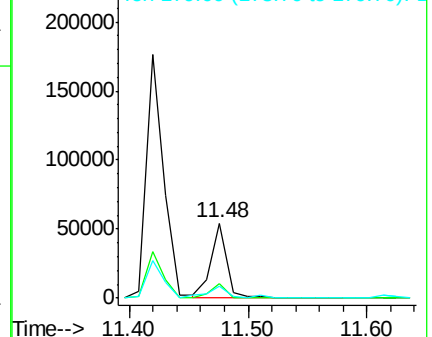
179 15.4 12.5 18.7

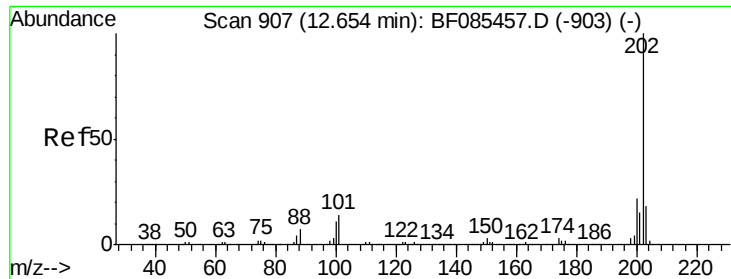


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 10.11 ng

RT: 12.61 min Scan# 903

Delta R.T. -0.05 min

Lab File: BF085500.D

Acq: 17 Mar 2016 19:25

Instrument :

BNA_F

ClientSampleId :

SP-1RE

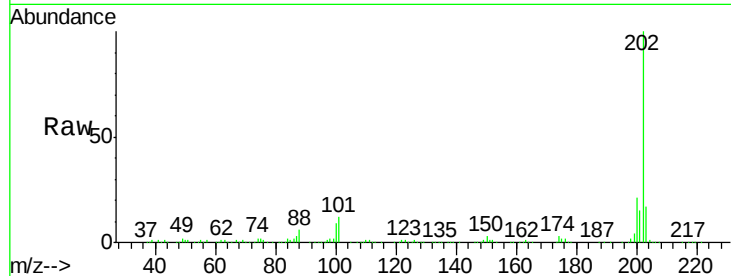
Tgt Ion:202 Resp: 227351

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.8

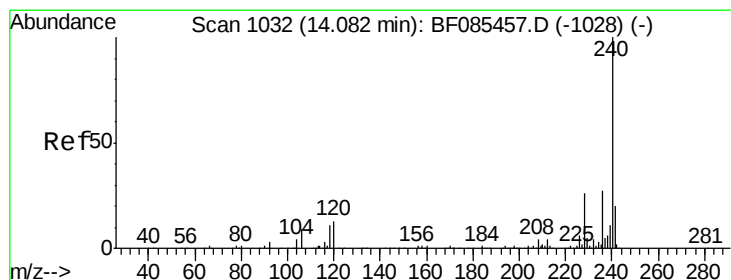
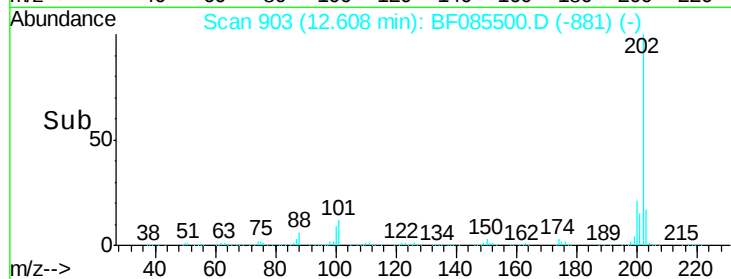
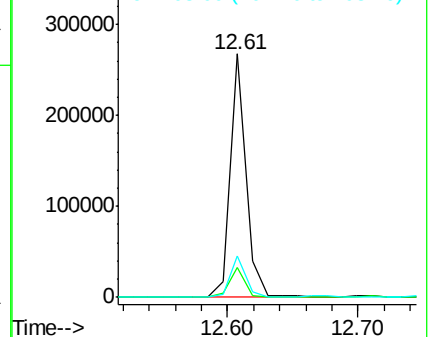
203 17.3 0.0 38.4



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: 14.04 min Scan# 1028

Delta R.T. -0.05 min

Lab File: BF085500.D

Acq: 17 Mar 2016 19:25

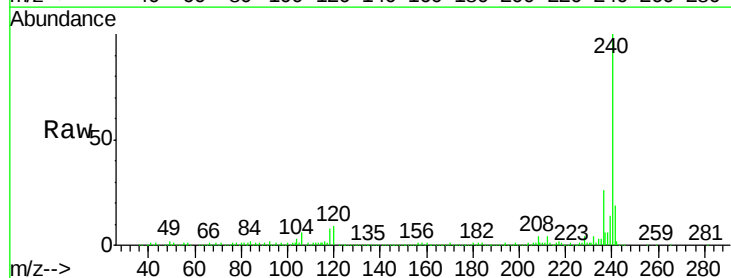
Tgt Ion:240 Resp: 315797

Ion Ratio Lower Upper

240 100

120 8.8 5.3 7.9#

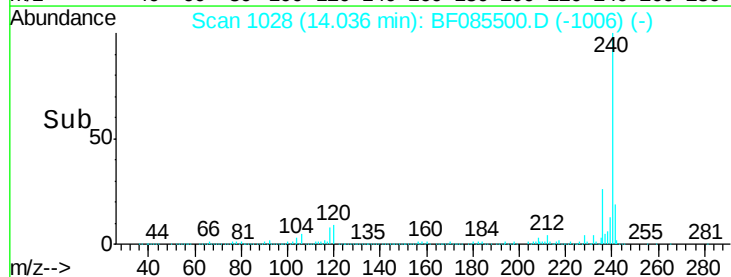
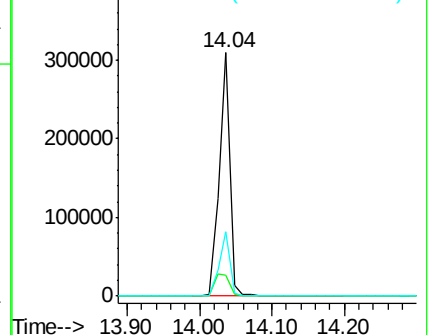
236 26.3 20.7 31.1

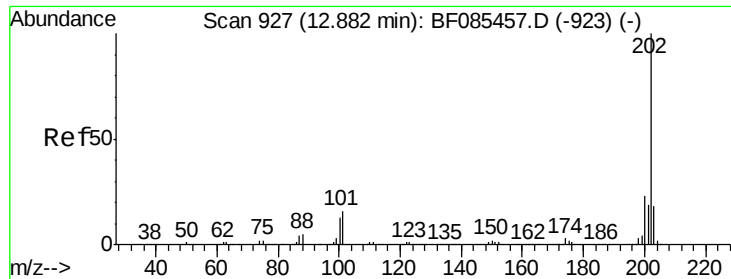


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

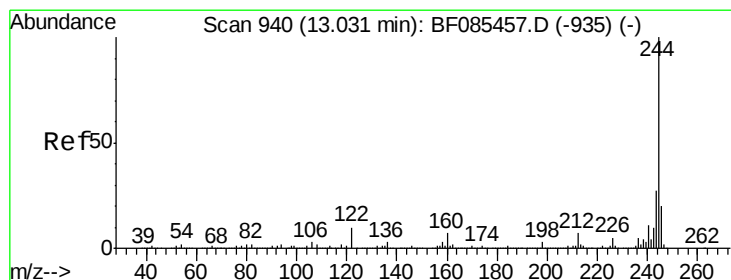
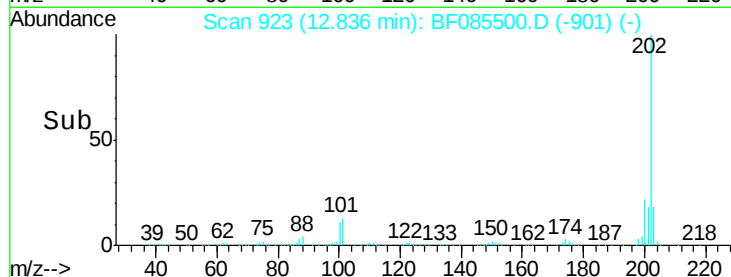
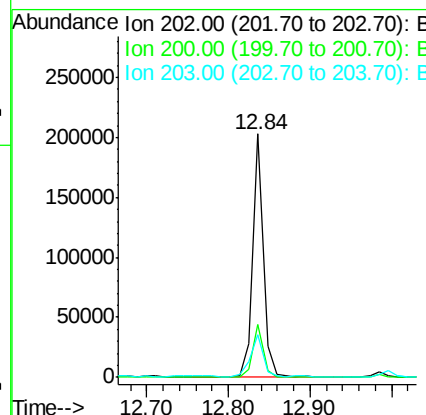
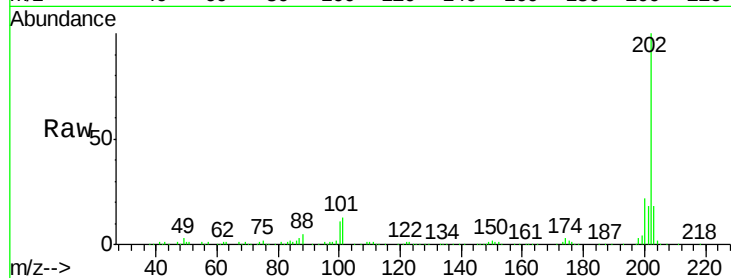




#77
 Pyrene
 Concen: 7.54 ng
 RT: 12.84 min Scan# 923
 Delta R.T. -0.05 min
 Lab File: BF085500.D
 Acq: 17 Mar 2016 19:25

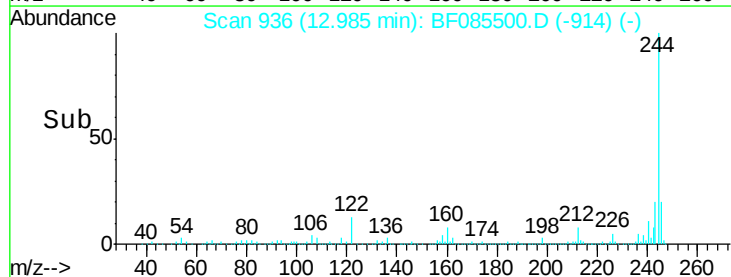
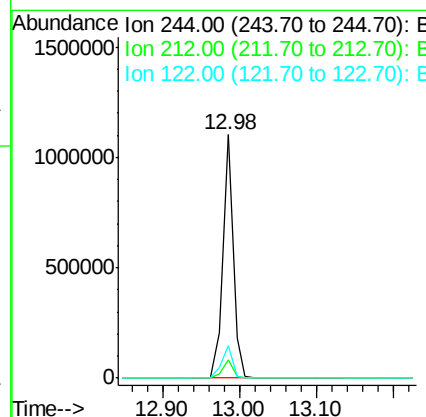
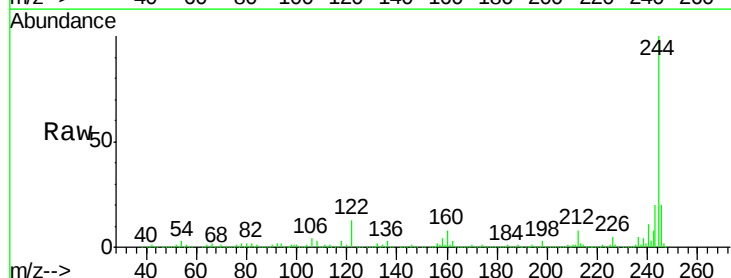
Instrument :
 BNA_F
 ClientSampleId :
 SP-1RE

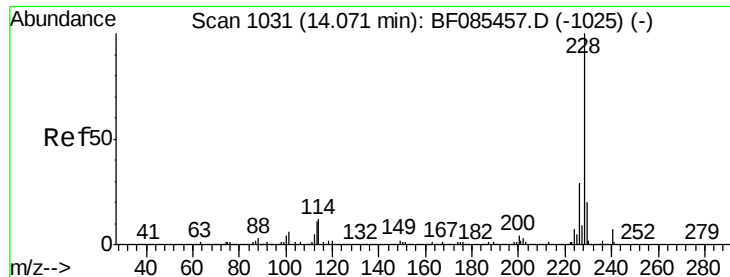
Tgt Ion:202 Resp: 178612
 Ion Ratio Lower Upper
 202 100
 200 21.7 18.2 27.4
 203 17.7 14.7 22.1



#78
 Terphenyl-d14
 Concen: 73.75 ng
 RT: 12.98 min Scan# 936
 Delta R.T. -0.05 min
 Lab File: BF085500.D
 Acq: 17 Mar 2016 19:25

Tgt Ion:244 Resp: 1029504
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.4 9.6
 122 13.2 11.4 17.2

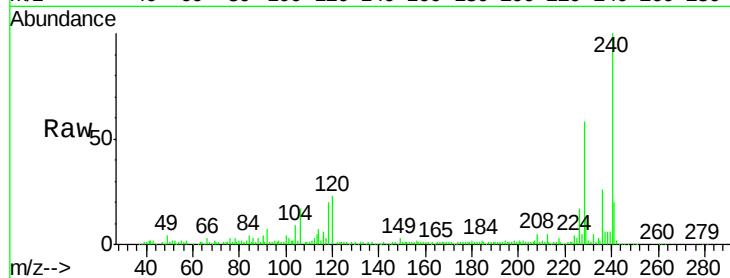




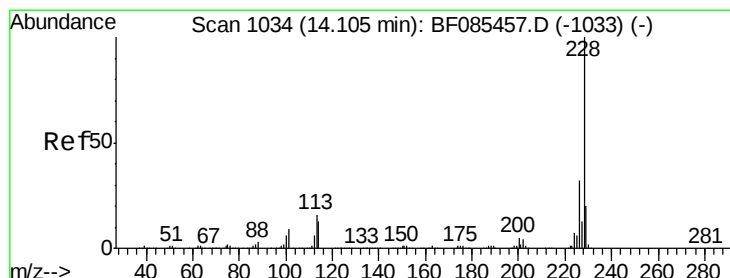
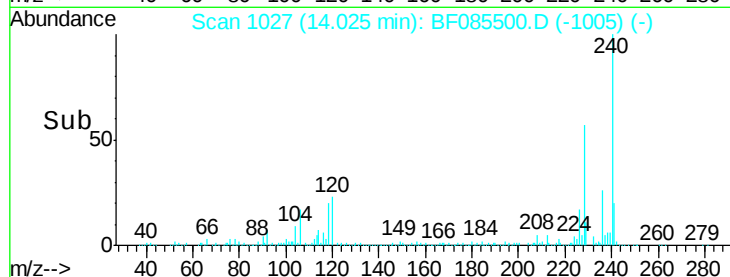
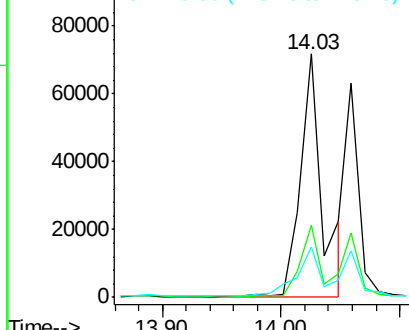
#80
Benzo(a)anthracene
Concen: 5.12 ng
RT: 14.03 min Scan# 1027
Delta R.T. -0.05 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Instrument :
BNA_F
ClientSampleId :
SP-1RE

Tgt Ion:228 Resp: 92696
Ion Ratio Lower Upper
228 100
226 29.6 22.8 34.2
229 20.4 16.6 24.8

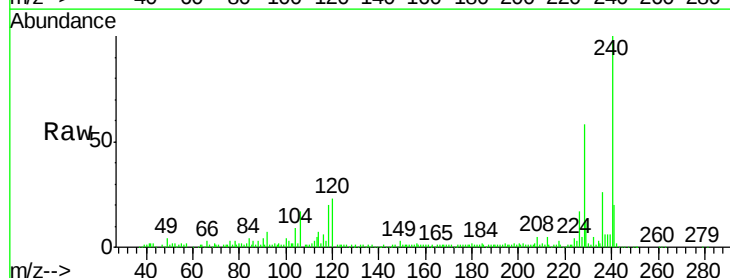


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

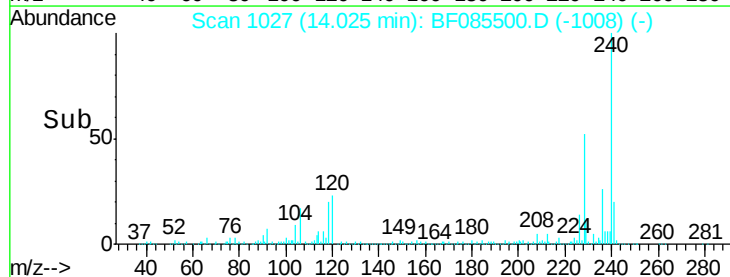
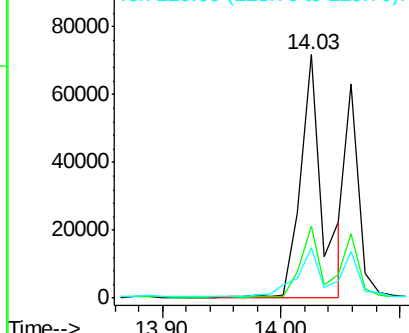


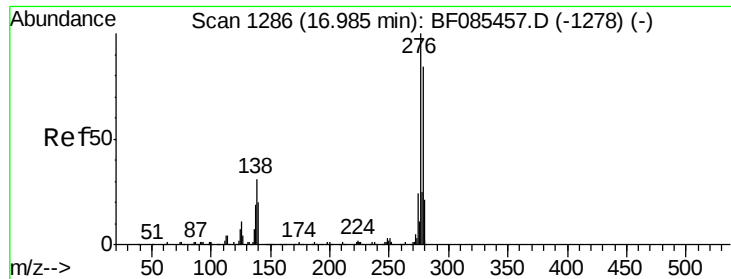
#82
Chrysene
Concen: 5.69 ng
RT: 14.03 min Scan# 1027
Delta R.T. -0.08 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:228 Resp: 92696
Ion Ratio Lower Upper
228 100
226 29.6 25.2 37.8
229 20.4 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

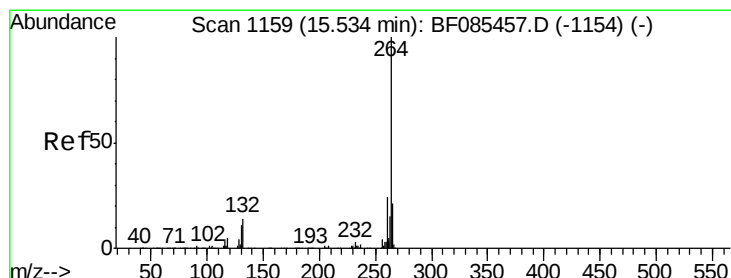
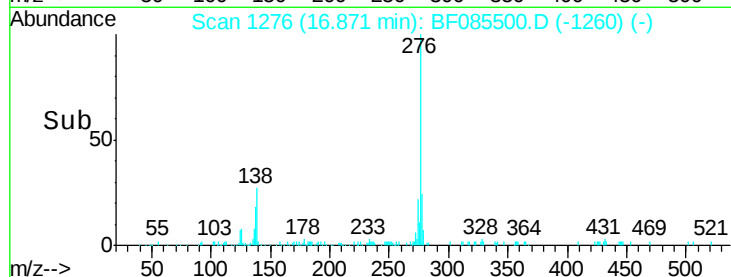
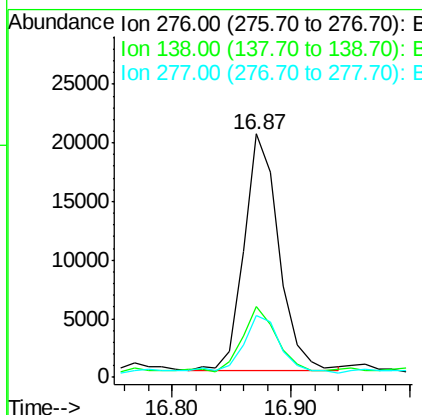
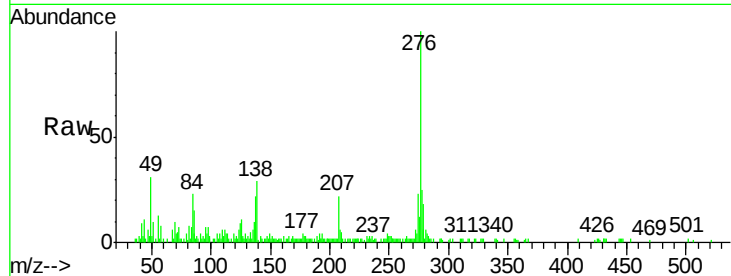




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.67 ng
 RT: 16.87 min Scan# 1276
 Delta R.T. -0.11 min
 Lab File: BF085500.D
 Acq: 17 Mar 2016 19:25

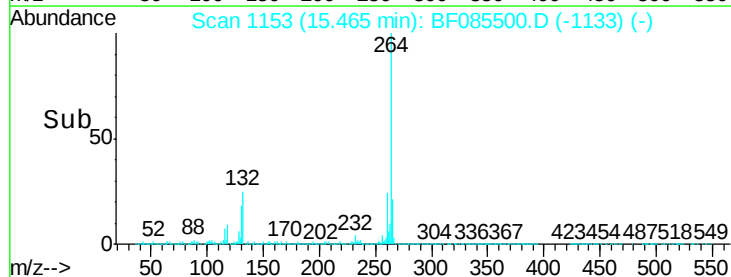
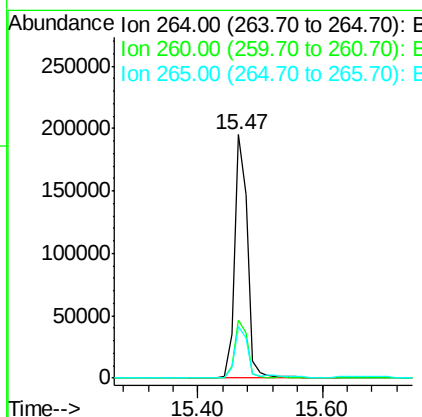
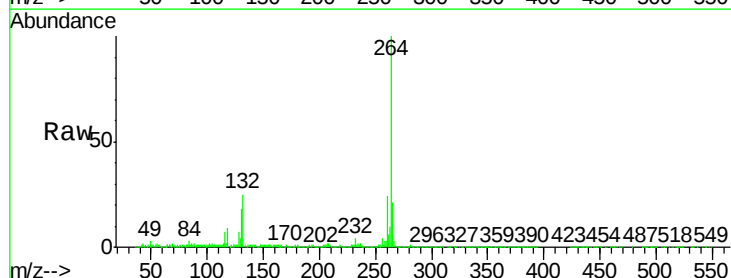
Instrument :
 BNA_F
 ClientSampleId :
 SP-1RE

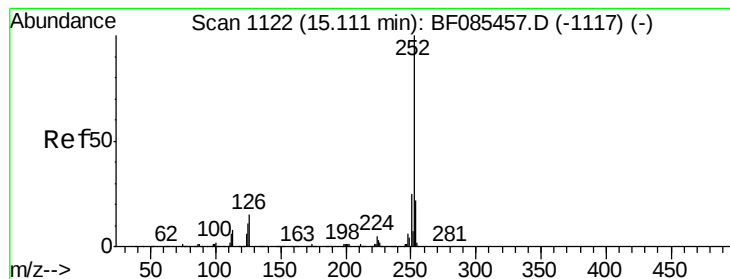
Tgt Ion:276 Resp: 41148
 Ion Ratio Lower Upper
 276 100
 138 27.4 26.4 39.6
 277 26.9 20.2 30.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.47 min Scan# 1153
 Delta R.T. -0.07 min
 Lab File: BF085500.D
 Acq: 17 Mar 2016 19:25

Tgt Ion:264 Resp: 280536
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.3 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 5.72 ng

RT: 15.05 min Scan# 1117

Delta R.T. -0.06 min

Lab File: BF085500.D

Acq: 17 Mar 2016 19:25

Instrument :

BNA_F

ClientSampleId :

SP-1RE

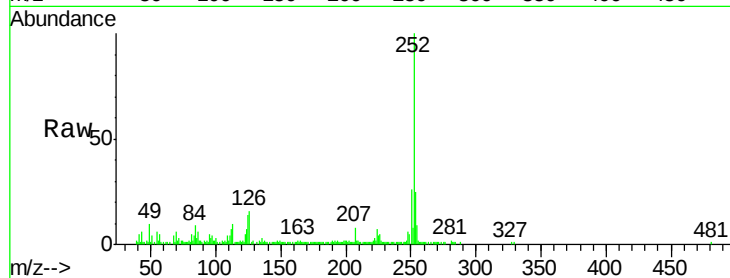
Tgt Ion:252 Resp: 104801

Ion Ratio Lower Upper

252 100

253 24.6 17.8 26.6

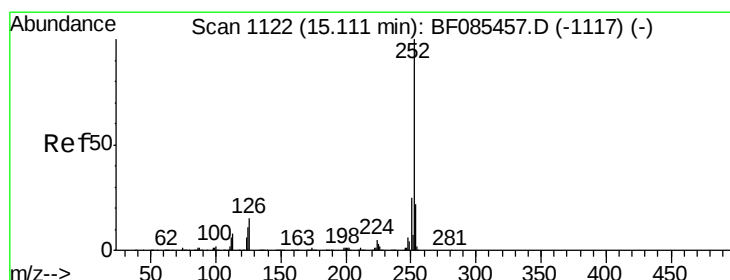
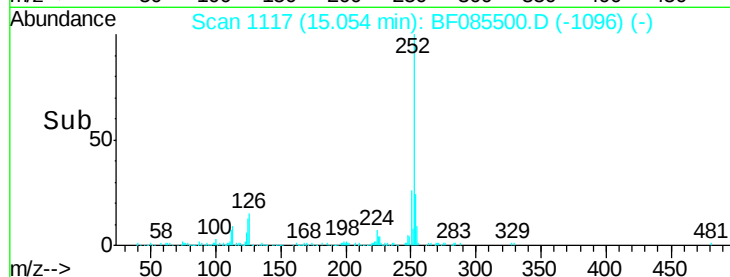
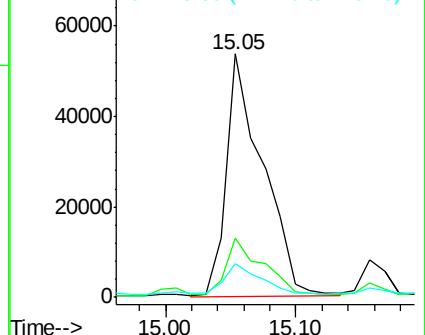
125 14.0 11.3 16.9



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: 7.30 ng

RT: 15.05 min Scan# 1117

Delta R.T. -0.09 min

Lab File: BF085500.D

Acq: 17 Mar 2016 19:25

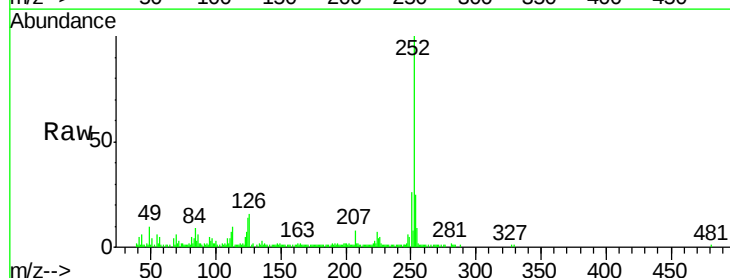
Tgt Ion:252 Resp: 104801

Ion Ratio Lower Upper

252 100

253 24.6 17.8 26.6

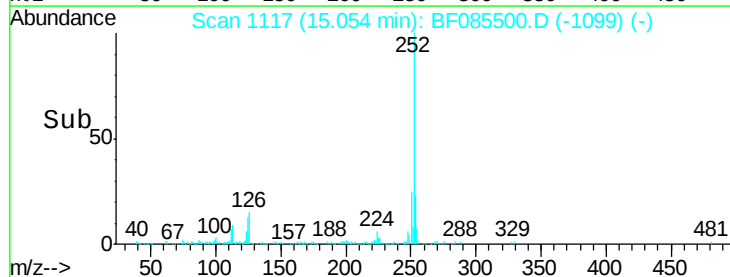
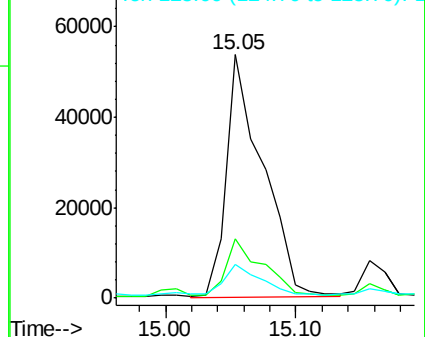
125 14.0 10.4 15.6

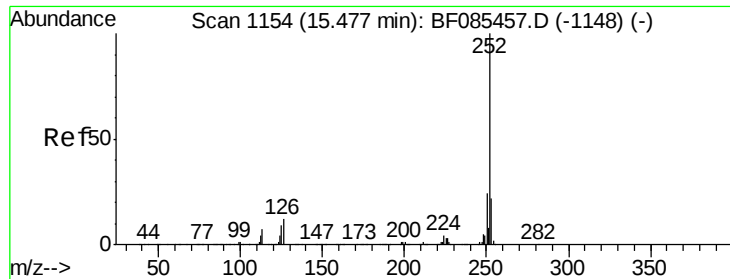


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

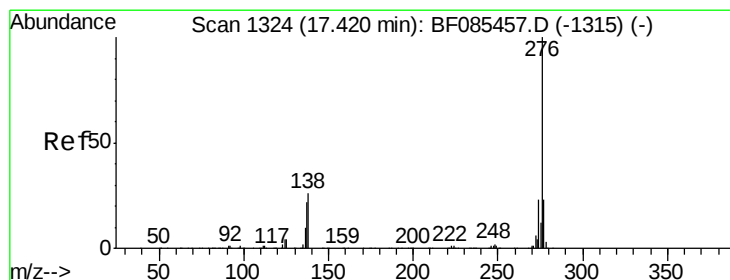
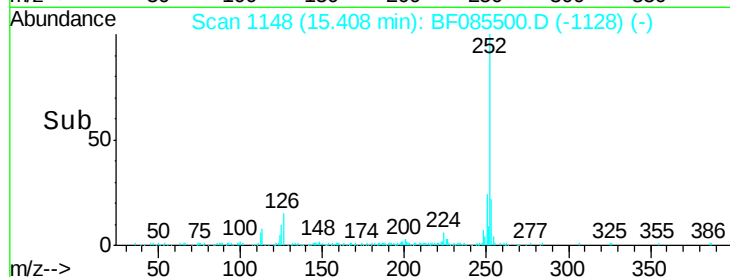
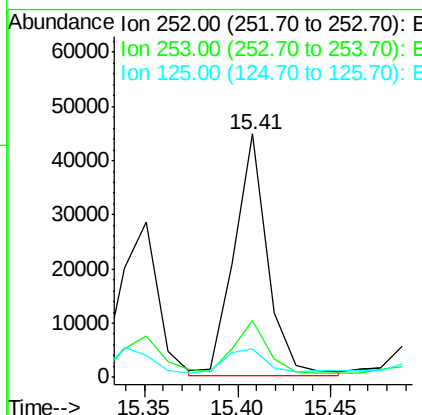
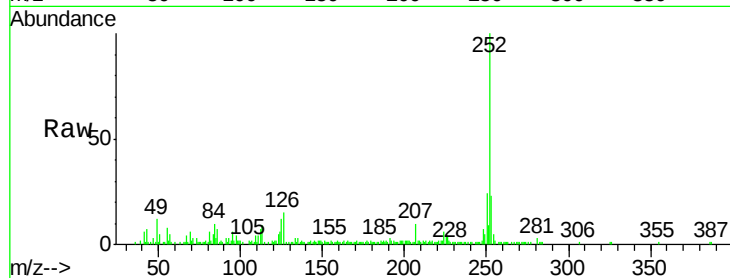




#89
Benzo(a)pyrene
Concen: 3.52 ng
RT: 15.41 min Scan# 1148
Delta R.T. -0.07 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Instrument :
BNA_F
ClientSampleId :
SP-1RE

Tgt Ion:252 Resp: 55726
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 12.0 8.2 12.4



#91
Benzo(g,h,i)perylene
Concen: 3.00 ng
RT: 17.29 min Scan# 1313
Delta R.T. -0.13 min
Lab File: BF085500.D
Acq: 17 Mar 2016 19:25

Tgt Ion:276 Resp: 47395
Ion Ratio Lower Upper
276 100
277 26.4 19.0 28.4
138 29.8 22.5 33.7

