

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
 Data File : BF085516.D
 Acq On : 18 Mar 2016 2:57
 Operator : UM/SJ
 Sample : H1774-14
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Quant Time: Mar 18 02:51:11 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

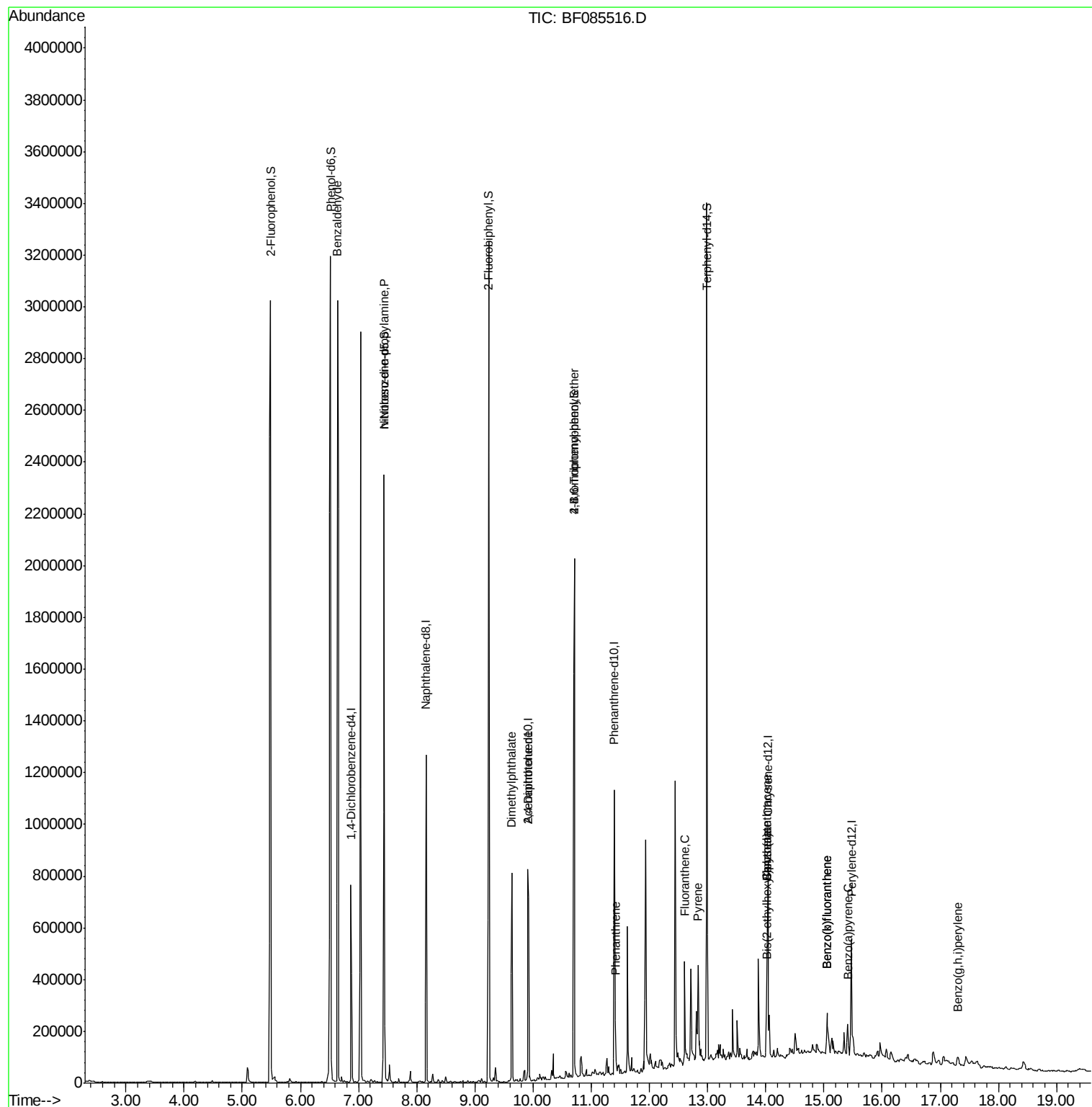
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	136492	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	566802	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	228240	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	392143	20.00	ng	-0.05
75) Chrysene-d12	14.04	240	267120	20.00	ng	-0.05
86) Perylene-d12	15.48	264	252444	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1302020	163.97	ng	-0.02
7) Phenol-d6	6.52	99	1583601	153.75	ng	-0.03
23) Nitrobenzene-d5	7.44	82	911377	95.07	ng	-0.05
41) 2,4,6-Tribromophenol	10.71	330	370478	176.23	ng	-0.05
44) 2-Fluorobiphenyl	9.24	172	1510957	114.85	ng	-0.05
78) Terphenyl-d14	12.99	244	1009968	85.53	ng	-0.05
Target Compounds						Qvalue
9) Benzaldehyde	6.64	77	26181	4.55	ng	87
19) n-Nitroso-di-n-propylamine	7.44	70	123233	19.98	ng	# 77
49) Dimethylphthalate	9.64	163	400463	24.05	ng	99
56) 2,4-Dinitrotoluene	9.91	165	28885	6.26	ng	# 22
66) 4-Bromophenyl-phenylether	10.71	248	24058	6.06	ng	# 1
70) Phenanthrene	11.42	178	75924	3.72	ng	96
74) Fluoranthene	12.61	202	146566	7.63	ng	99
77) Pyrene	12.84	202	142952	7.14	ng	98
80) Benzo(a)anthracene	14.03	228	81130	5.30	ng	99
82) Chrysene	14.03	228	81130	5.89	ng	97
83) Bis(2-ethylhexyl)phthalate	14.01	149	40717	3.81	ng	99
87) Benzo(b)fluoranthene	15.05	252	109389	6.64	ng	99
88) Benzo(k)fluoranthene	15.05	252	109389	8.47	ng	98
89) Benzo(a)pyrene	15.41	252	57290	4.02	ng	# 95
91) Benzo(g,h,i)perylene	17.31	276	31345	2.21	ng	97

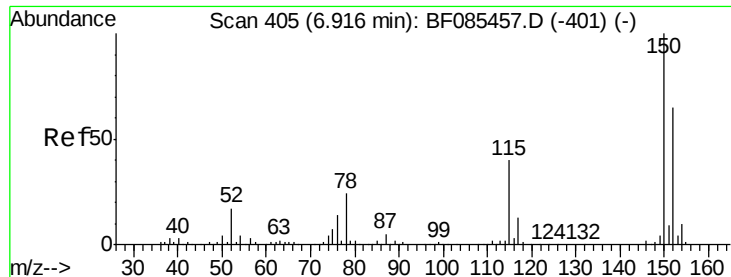
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF085516.D

Acq: 18 Mar 2016 2:57

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

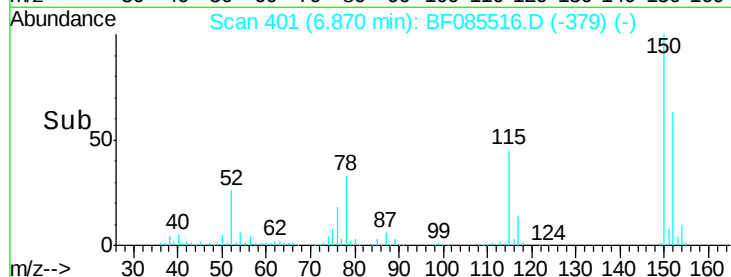
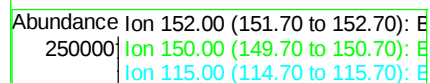
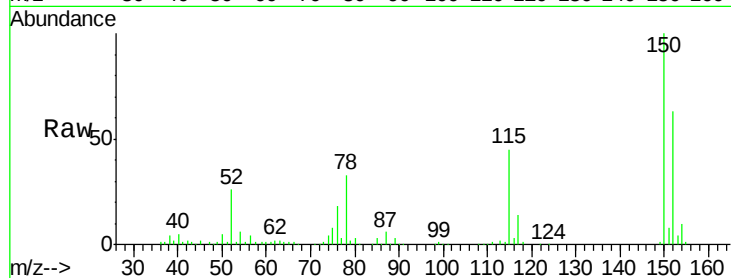
Tgt Ion:152 Resp: 136492

Ion Ratio Lower Upper

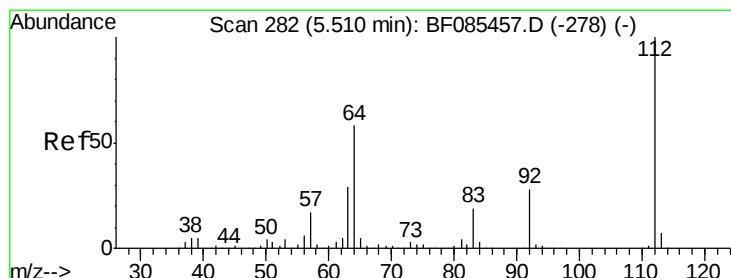
152 100

150 160.0 124.6 186.8

115 71.7 46.6 70.0#



Time-->



#5

2-Fluorophenol

Concen: 163.97 ng

RT: 5.49 min Scan# 280

Delta R.T. -0.02 min

Lab File: BF085516.D

Acq: 18 Mar 2016 2:57

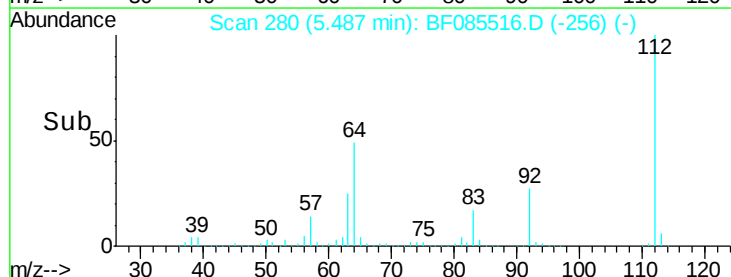
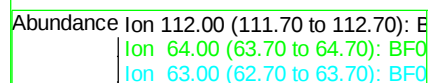
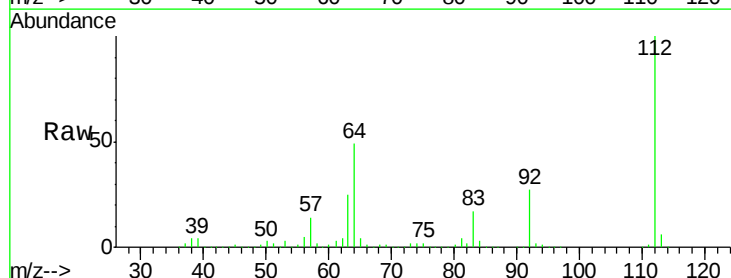
Tgt Ion:112 Resp: 1302020

Ion Ratio Lower Upper

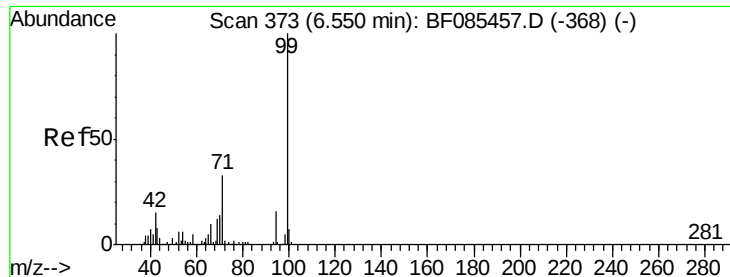
112 100

64 49.1 49.0 73.4

63 24.8 24.8 37.2#



Time-->



#7

Phenol-d6

Concen: 153.75 ng

RT: 6.52 min Scan# 370

Delta R.T. -0.03 min

Lab File: BF085516.D

Acq: 18 Mar 2016 2:57

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

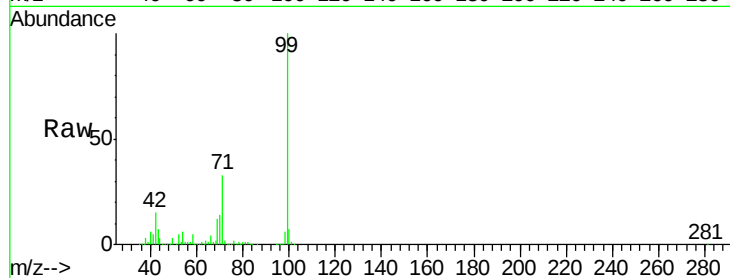
Tgt Ion: 99 Resp: 1583601

Ion Ratio Lower Upper

99 100

42 14.9 13.6 20.4

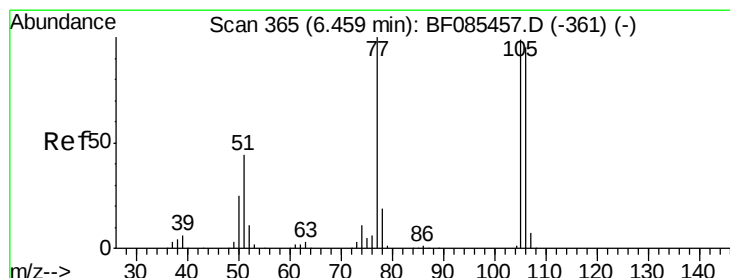
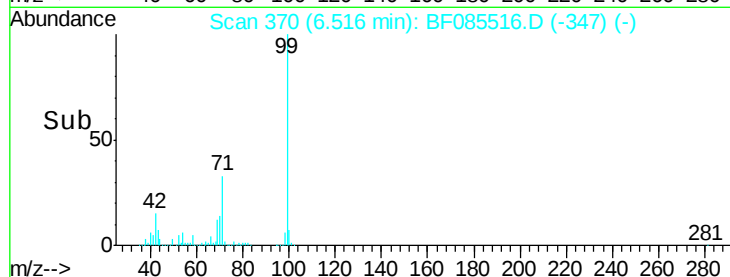
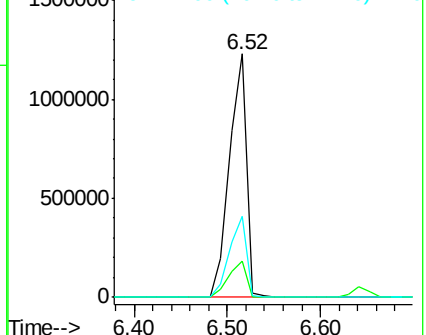
71 33.3 26.7 40.1



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



#9

Benzaldehyde

Concen: 4.55 ng

RT: 6.64 min Scan# 381

Delta R.T. 0.18 min

Lab File: BF085516.D

Acq: 18 Mar 2016 2:57

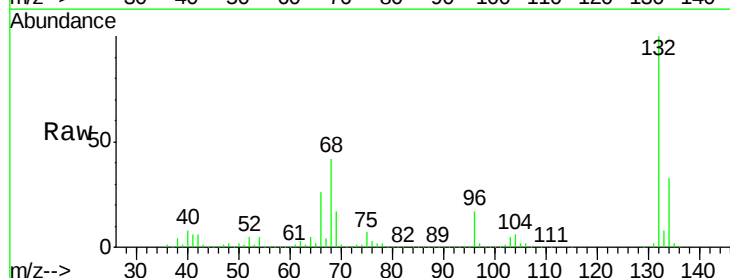
Tgt Ion: 77 Resp: 26181

Ion Ratio Lower Upper

77 100

105 84.9 78.2 118.2

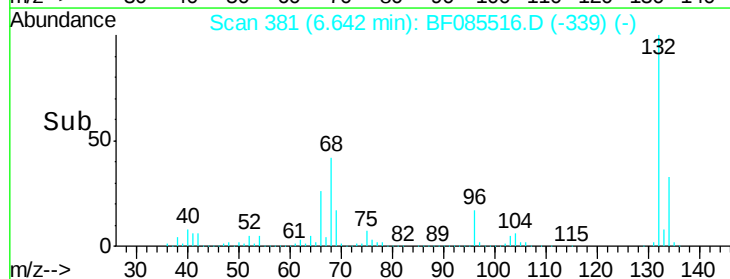
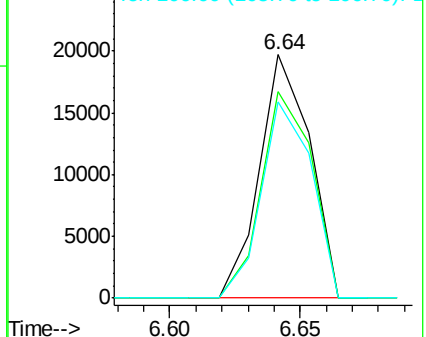
106 80.6 72.9 112.9

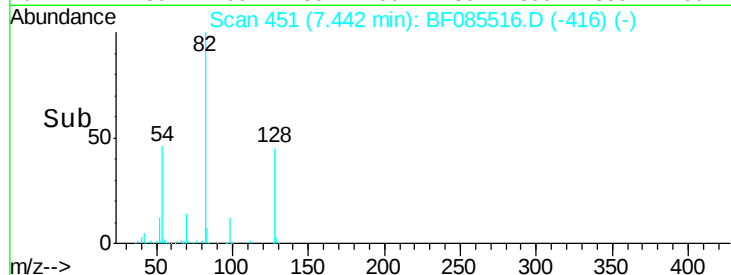
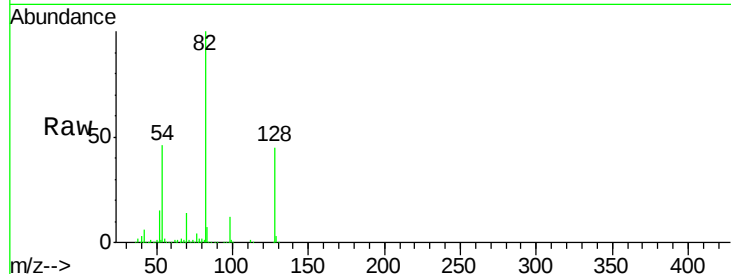
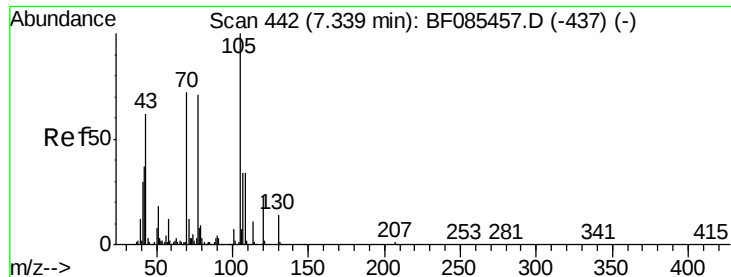


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

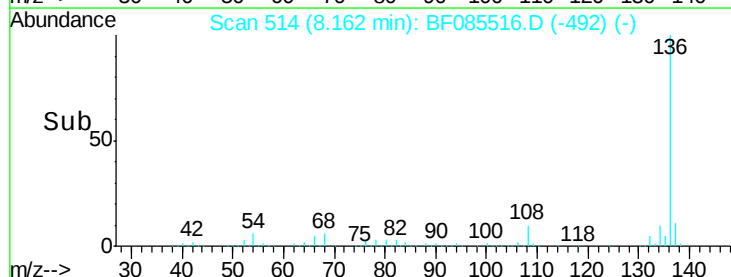
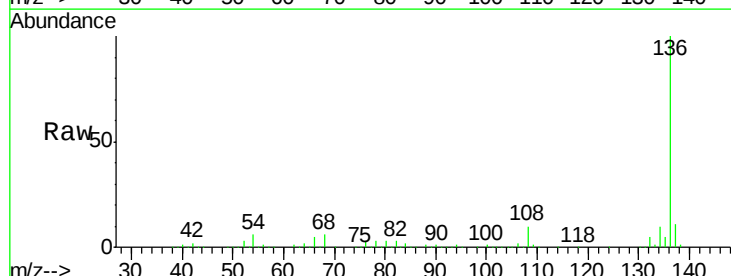
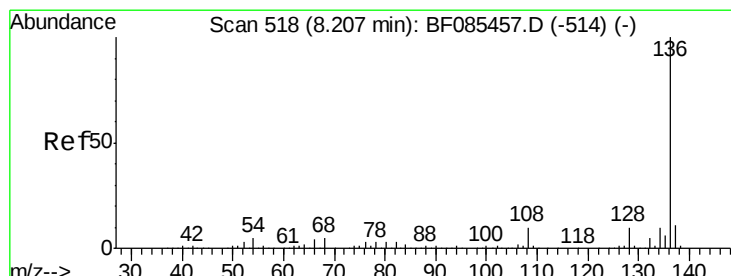
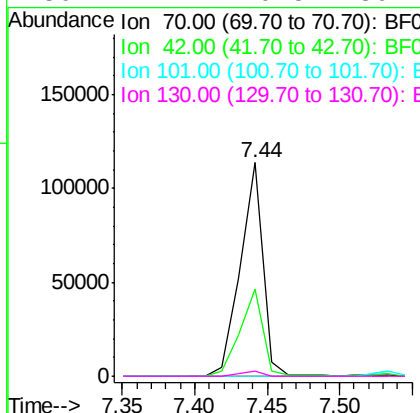




#19
n-Nitroso-di-n-propylamine
Concen: 19.98 ng
RT: 7.44 min Scan# 451
Delta R.T. 0.10 min
Lab File: BF085516.D
Acq: 18 Mar 2016 2:57

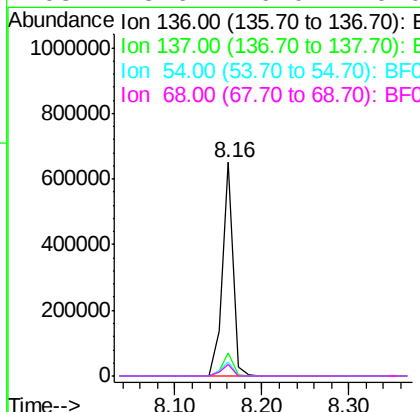
Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

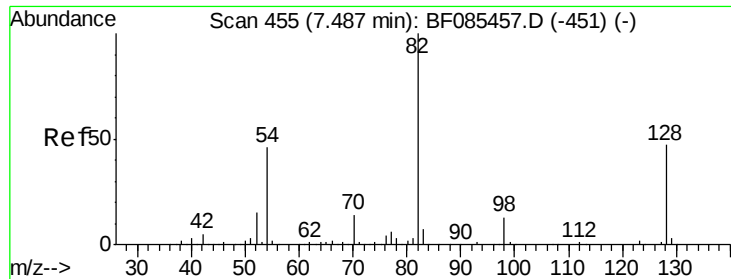
Tgt Ion: 70 Resp: 123233
Ion Ratio Lower Upper
70 100
42 40.5 37.7 56.5
101 0.0 8.2 12.4#
130 2.2 20.5 30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 514
Delta R.T. -0.05 min
Lab File: BF085516.D
Acq: 18 Mar 2016 2:57

Tgt Ion: 136 Resp: 566802
Ion Ratio Lower Upper
136 100
137 10.8 9.3 13.9
54 6.4 7.4 11.2#
68 5.6 6.0 9.0#





#23

Nitrobenzene-d5

Concen: 95.07 ng

RT: 7.44 min Scan# 451

Delta R.T. -0.05 min

Lab File: BF085516.D

Acq: 18 Mar 2016 2:57

Instrument :

BNA_F

ClientSampled :

SB-13-COMP

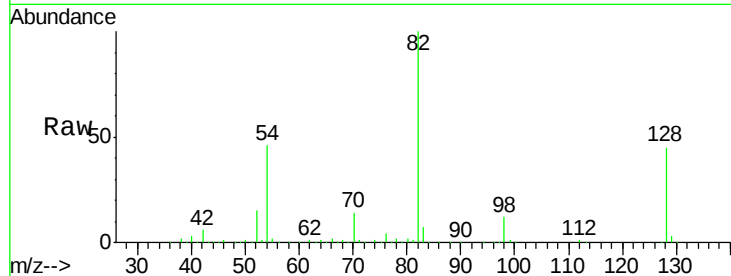
Tgt Ion: 82 Resp: 911377

Ion Ratio Lower Upper

82 100

128 45.4 34.5 51.7

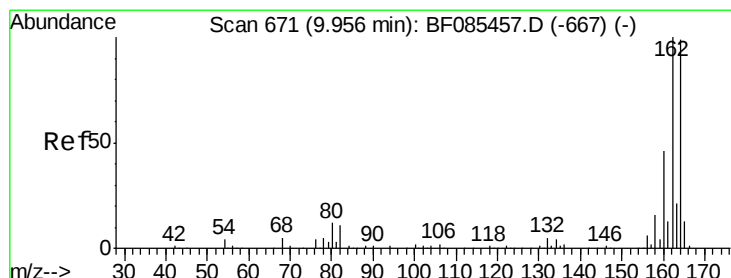
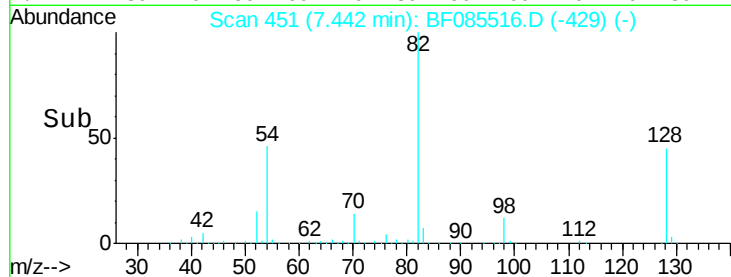
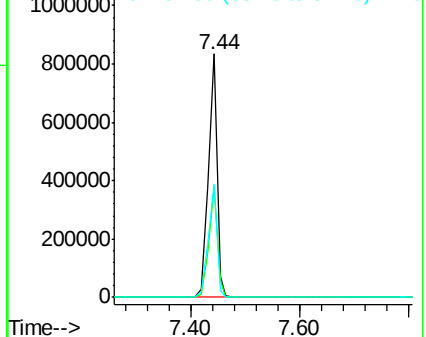
54 46.4 39.3 58.9



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): B

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: BF085516.D

Acq: 18 Mar 2016 2:57

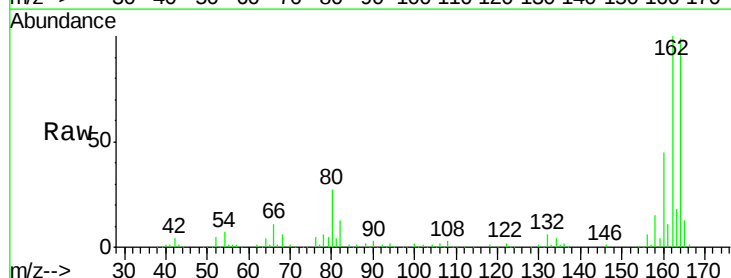
Tgt Ion: 164 Resp: 228240

Ion Ratio Lower Upper

164 100

162 101.3 83.3 124.9

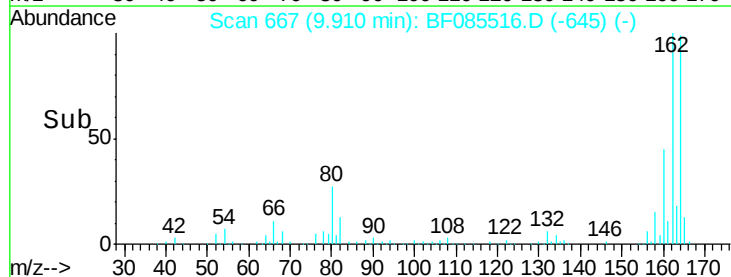
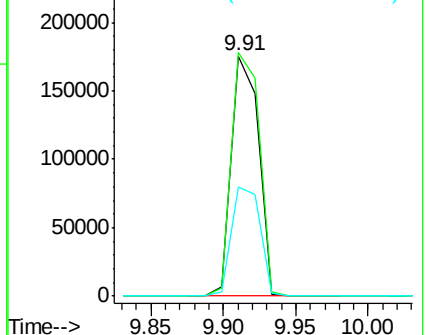
160 45.7 37.9 56.9

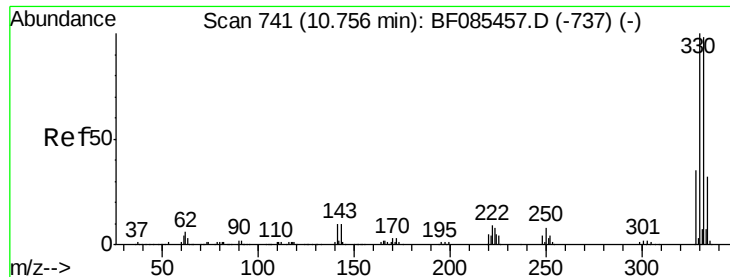


Abundance Ion 164.00 (163.70 to 164.70): B

Ion 162.00 (161.70 to 162.70): B

Ion 160.00 (159.70 to 160.70): B

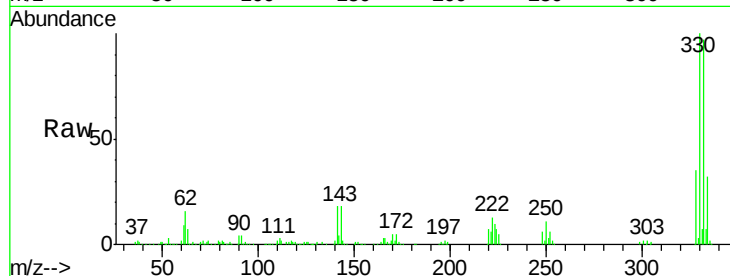




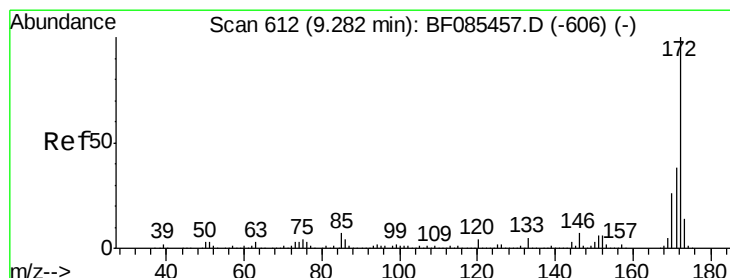
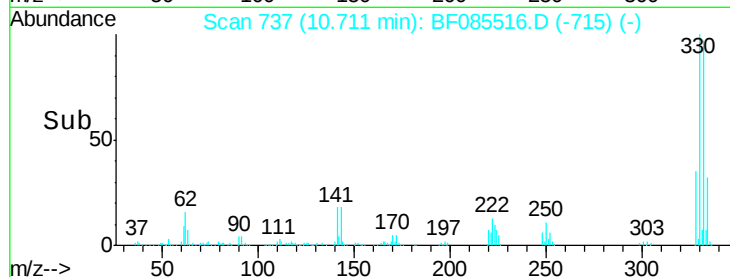
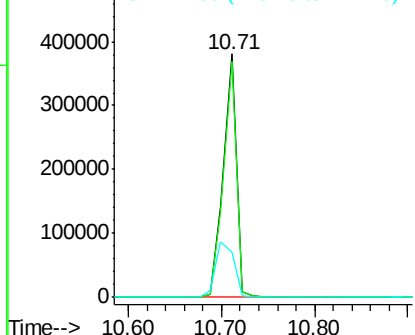
#41
 2,4,6-Tribromophenol
 Concen: 176.23 ng
 RT: 10.71 min Scan# 737
 Delta R.T. -0.05 min
 Lab File: BF085516.D
 Acq: 18 Mar 2016 2:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Tgt Ion:330 Resp: 370478
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.1 115.7
 141 31.5 35.0 52.6#

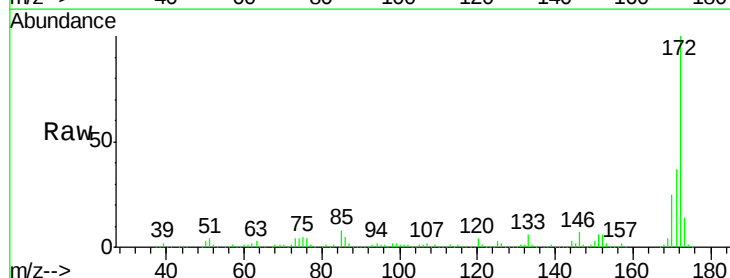


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

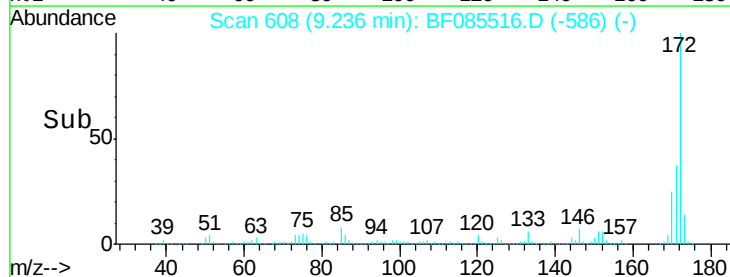
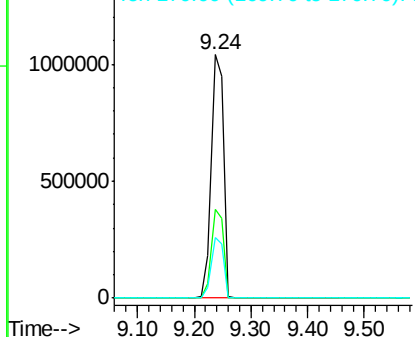


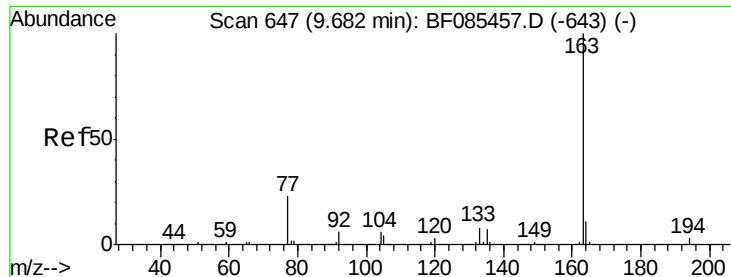
#44
 2-Fluorobiphenyl
 Concen: 114.85 ng
 RT: 9.24 min Scan# 608
 Delta R.T. -0.05 min
 Lab File: BF085516.D
 Acq: 18 Mar 2016 2:57

Tgt Ion:172 Resp: 1510957
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.3 43.9
 170 24.6 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: 24.05 ng

RT: 9.64 min Scan# 643

Delta R.T. -0.05 min

Lab File: BF085516.D

Acq: 18 Mar 2016 2:57

Instrument :

BNA_F

ClientSampled :

SB-13-COMP

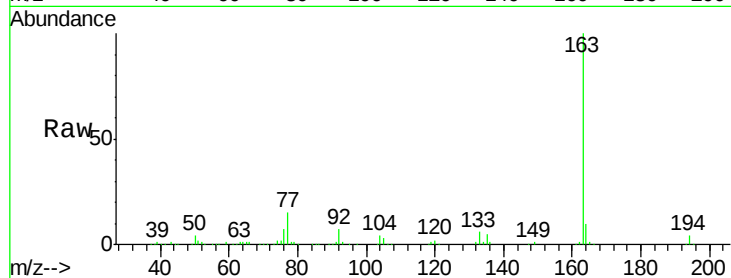
Tgt Ion:163 Resp: 400463

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

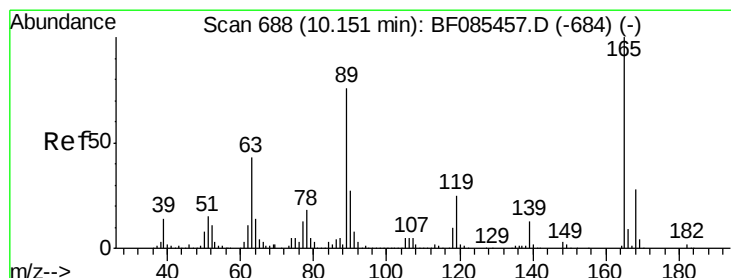
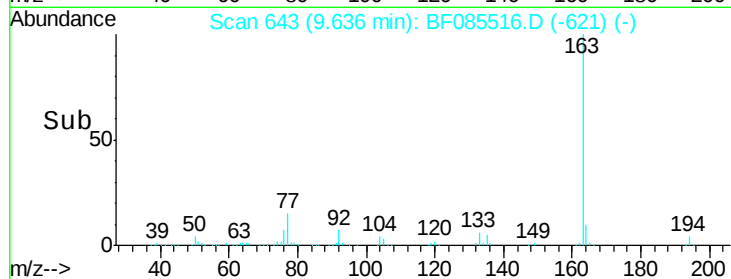
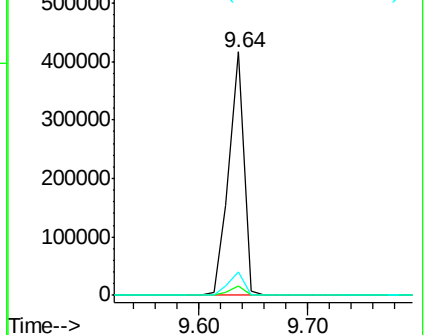
164 9.7 8.2 12.4



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



#56

2,4-Dinitrotoluene

Concen: 6.26 ng

RT: 9.91 min Scan# 667

Delta R.T. -0.24 min

Lab File: BF085516.D

Acq: 18 Mar 2016 2:57

Tgt Ion:165 Resp: 28885

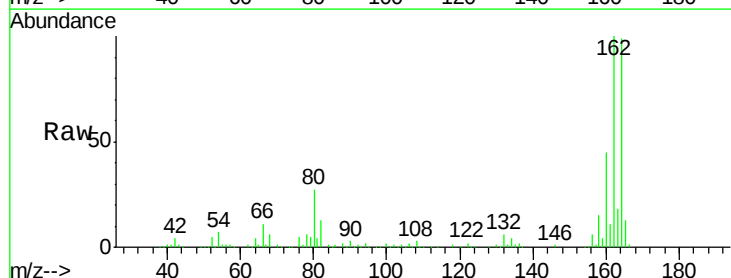
Ion Ratio Lower Upper

165 100

63 1.4 35.4 53.0#

89 1.7 61.9 92.9#

182 0.0 1.9 2.9#

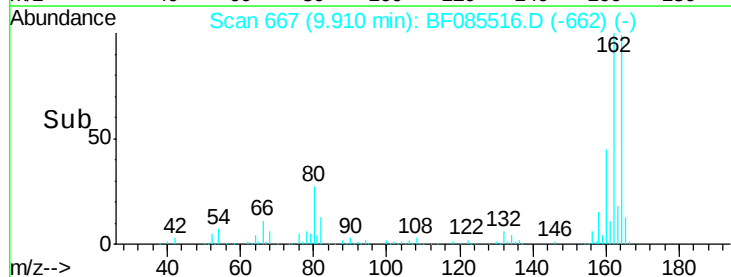
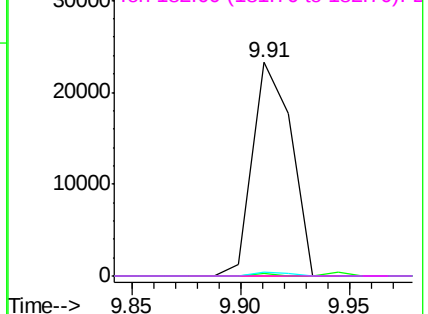


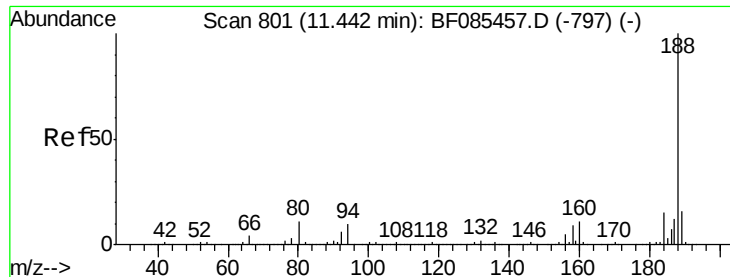
Abundance Ion 165.00 (164.70 to 165.70): E

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

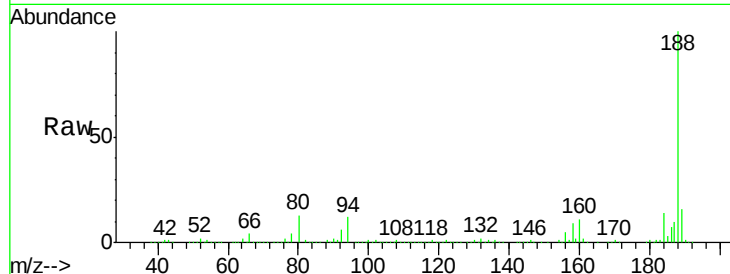




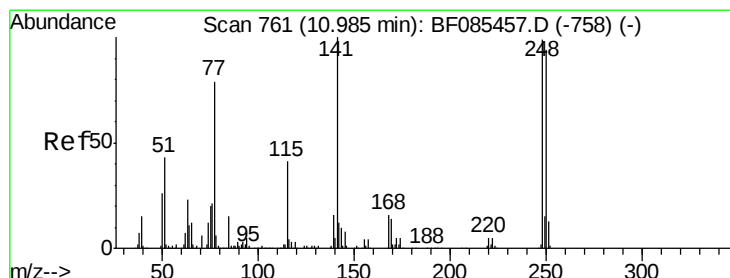
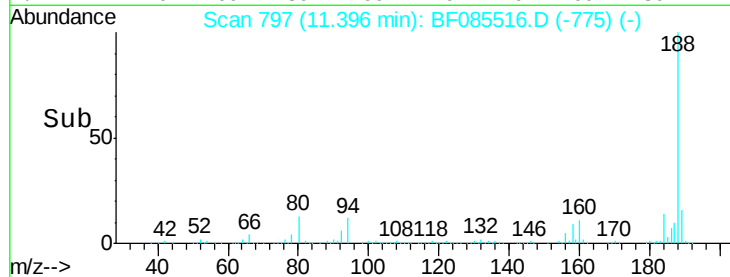
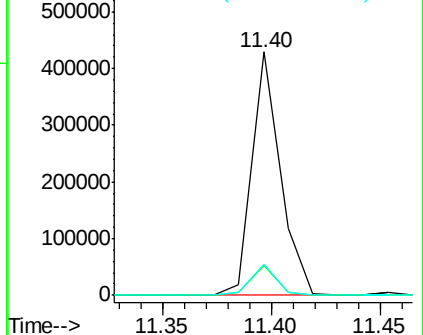
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 797
 Delta R.T. -0.05 min
 Lab File: BF085516.D
 Acq: 18 Mar 2016 2:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Tgt Ion:188 Resp: 392143
 Ion Ratio Lower Upper
 188 100
 94 12.0 7.0 10.6#
 80 12.6 7.4 11.0#

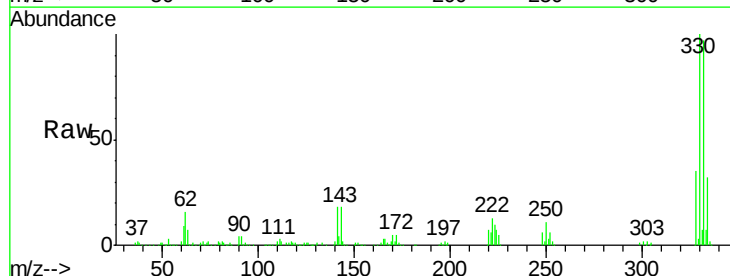


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

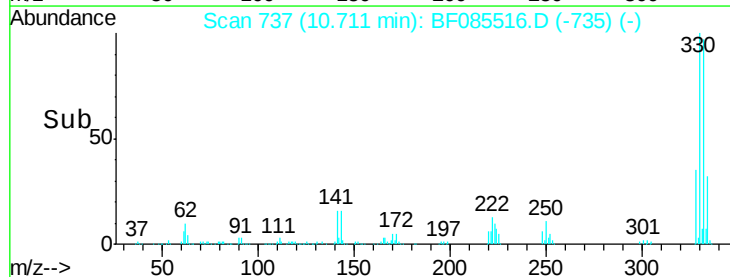
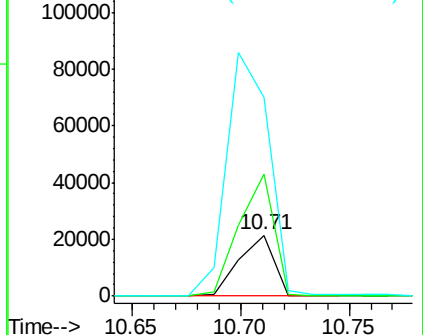


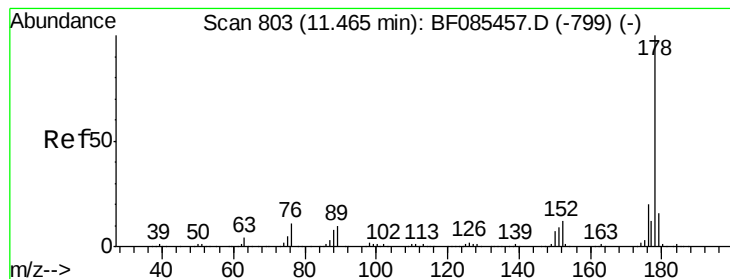
#66
 4-Bromophenyl-phenylether
 Concen: 6.06 ng
 RT: 10.71 min Scan# 737
 Delta R.T. -0.27 min
 Lab File: BF085516.D
 Acq: 18 Mar 2016 2:57

Tgt Ion:248 Resp: 24058
 Ion Ratio Lower Upper
 248 100
 250 201.3 77.1 115.7#
 141 326.2 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: 3.72 ng

RT: 11.42 min Scan# 799

Delta R.T. -0.05 min

Lab File: BF085516.D

Acq: 18 Mar 2016 2:57

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

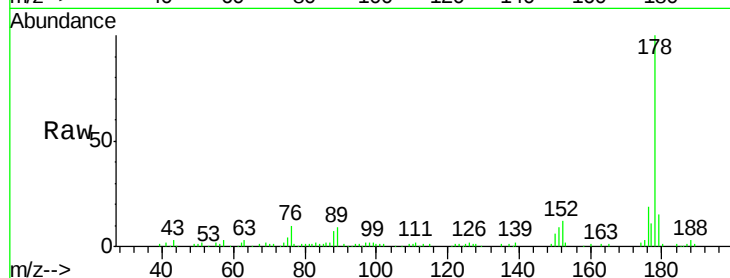
Tgt Ion:178 Resp: 75924

Ion Ratio Lower Upper

178 100

176 19.2 16.8 25.2

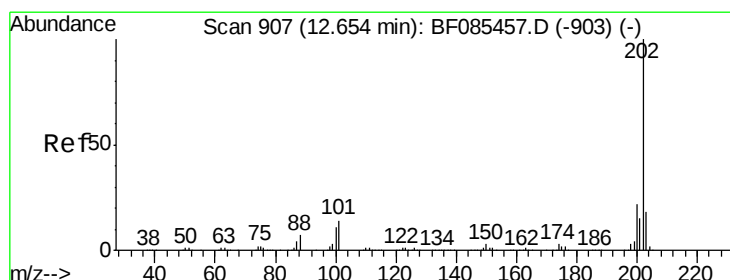
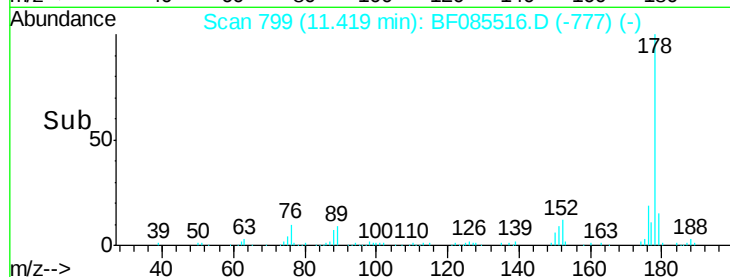
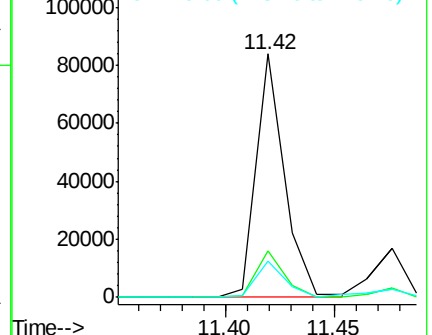
179 14.7 13.1 19.7



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: 7.63 ng

RT: 12.61 min Scan# 903

Delta R.T. -0.05 min

Lab File: BF085516.D

Acq: 18 Mar 2016 2:57

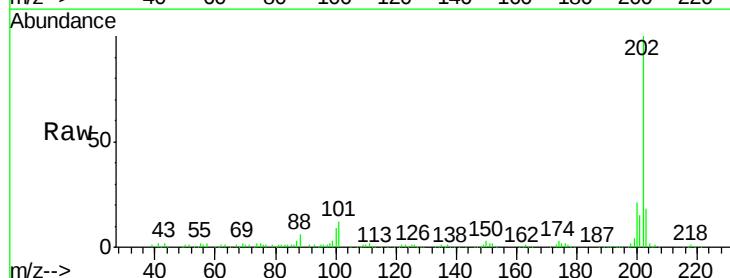
Tgt Ion:202 Resp: 146566

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.8

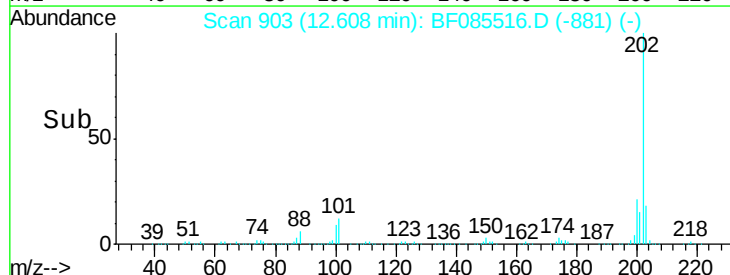
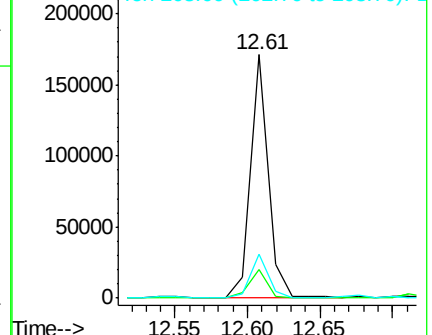
203 17.8 0.0 38.4

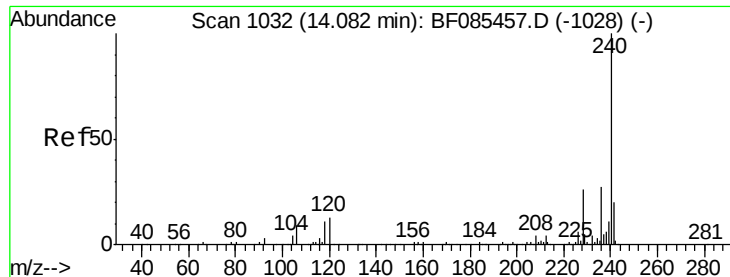


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF085516.D

Acq: 18 Mar 2016 2:57

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

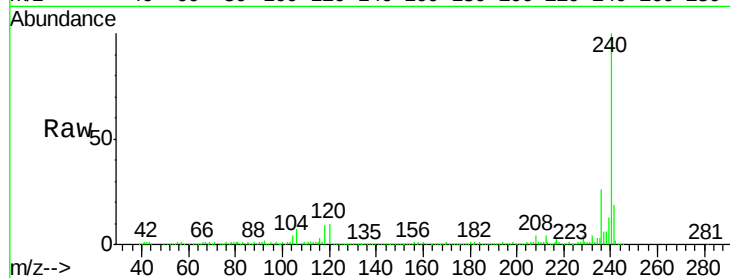
Tgt Ion:240 Resp: 267120

Ion Ratio Lower Upper

240 100

120 10.1 5.3 7.9#

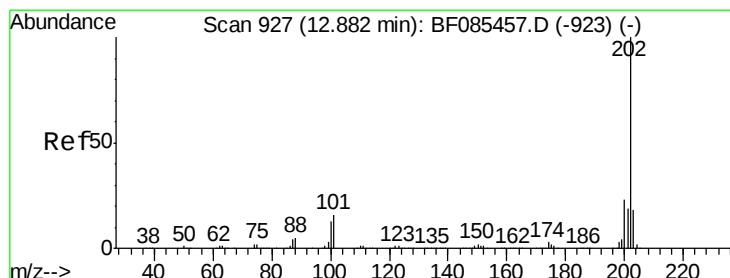
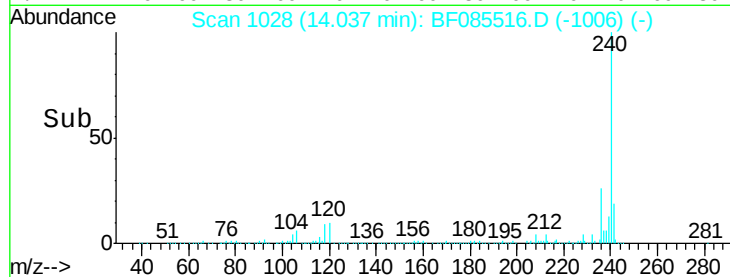
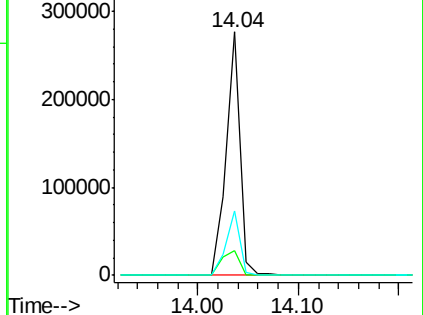
236 26.2 20.7 31.1



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: 7.14 ng

RT: 12.84 min Scan# 923

Delta R.T. -0.05 min

Lab File: BF085516.D

Acq: 18 Mar 2016 2:57

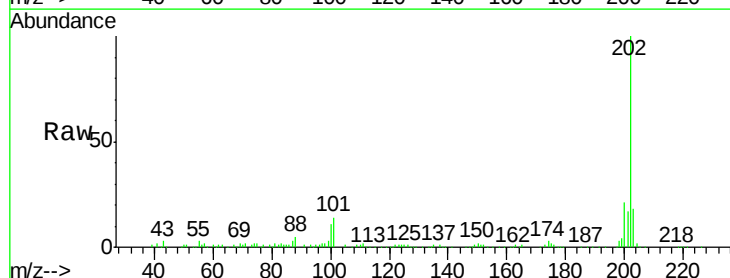
Tgt Ion:202 Resp: 142952

Ion Ratio Lower Upper

202 100

200 21.1 18.2 27.4

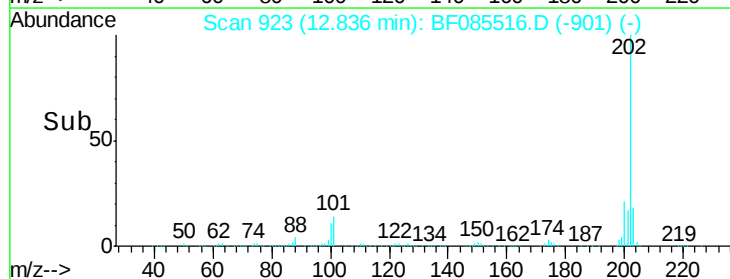
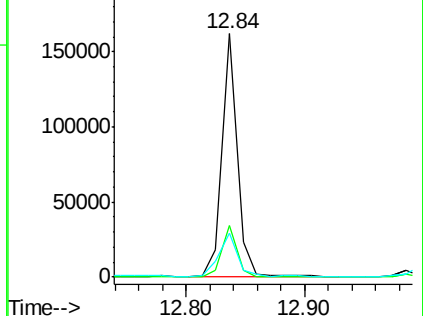
203 17.9 14.7 22.1

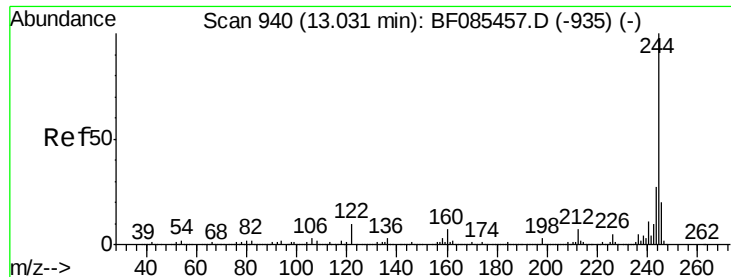


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

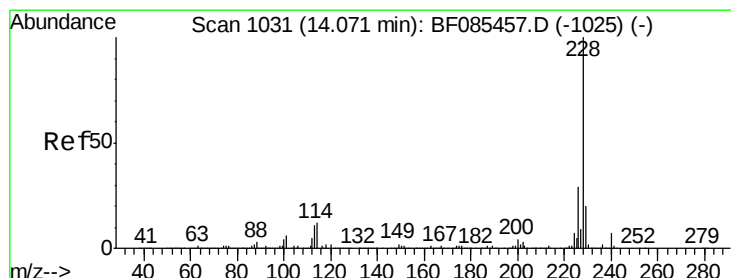
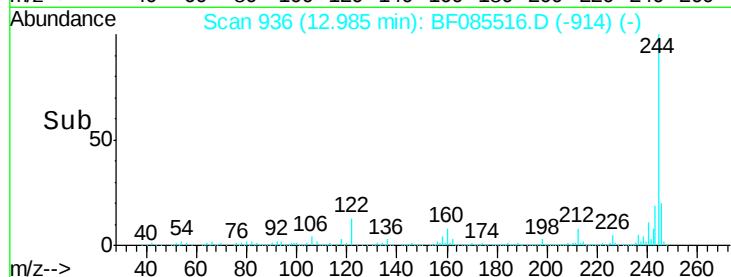
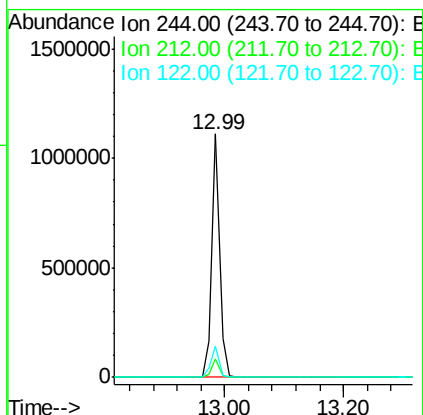
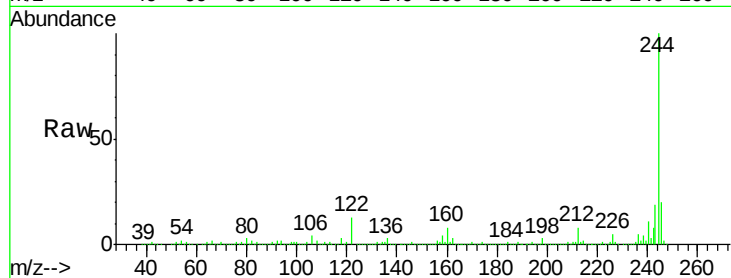




#78
 Terphenyl-d14
 Concen: 85.53 ng
 RT: 12.99 min Scan# 936
 Delta R.T. -0.05 min
 Lab File: BF085516.D
 Acq: 18 Mar 2016 2:57

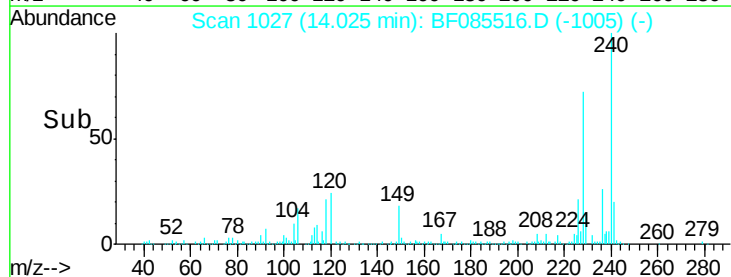
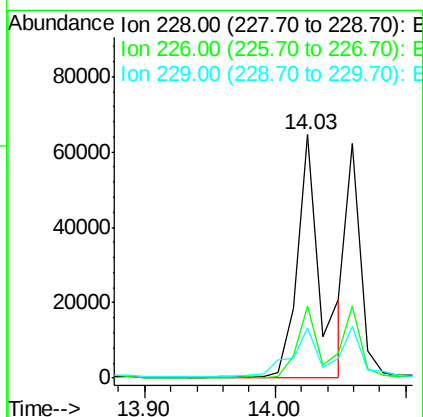
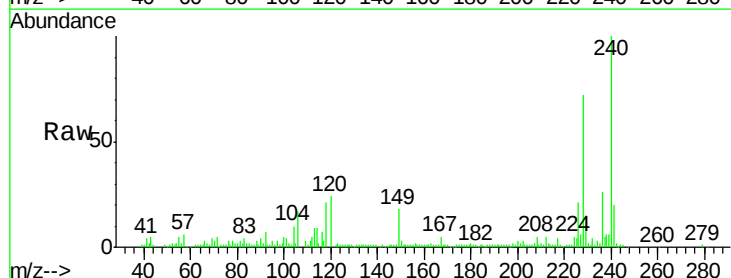
Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

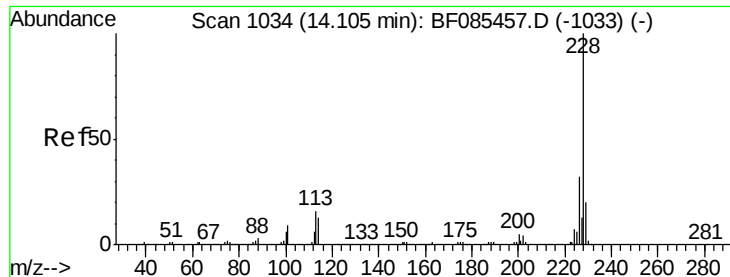
Tgt Ion:244 Resp: 1009968
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.4 9.6
 122 13.1 11.4 17.2



#80
 Benzo(a)anthracene
 Concen: 5.30 ng
 RT: 14.03 min Scan# 1027
 Delta R.T. -0.05 min
 Lab File: BF085516.D
 Acq: 18 Mar 2016 2:57

Tgt Ion:228 Resp: 81130
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.8 34.2
 229 20.5 16.6 24.8





#82

Chrysene

Concen: 5.89 ng

RT: 14.03 min Scan# 1027

Delta R.T. -0.08 min

Lab File: BF085516.D

Acq: 18 Mar 2016 2:57

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

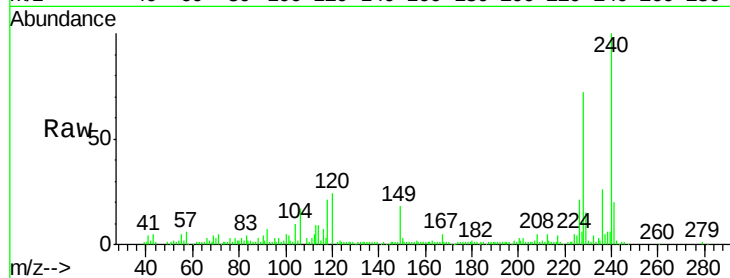
Tgt Ion:228 Resp: 81130

Ion Ratio Lower Upper

228 100

226 29.6 25.2 37.8

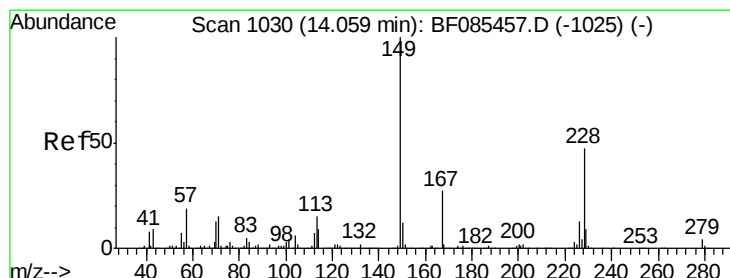
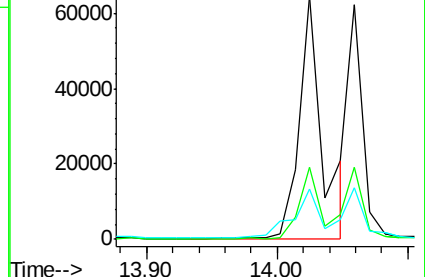
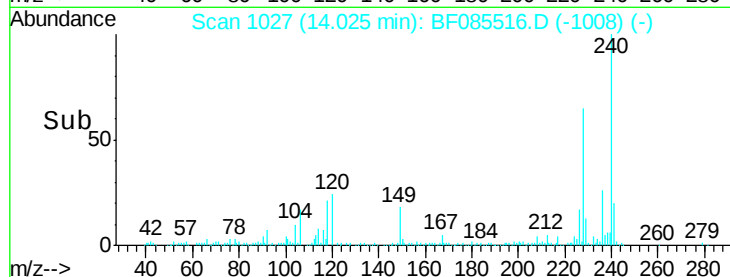
229 20.5 16.0 24.0



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.81 ng

RT: 14.01 min Scan# 1026

Delta R.T. -0.05 min

Lab File: BF085516.D

Acq: 18 Mar 2016 2:57

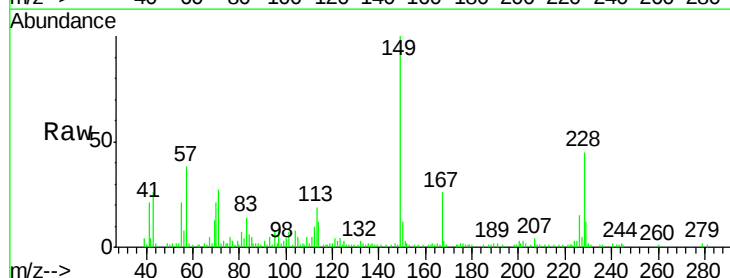
Tgt Ion:149 Resp: 40717

Ion Ratio Lower Upper

149 100

167 25.8 20.3 30.5

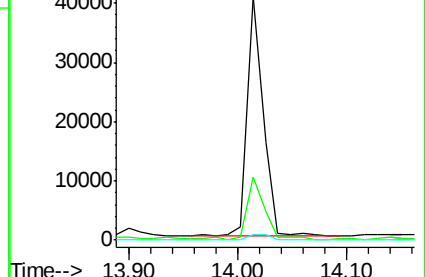
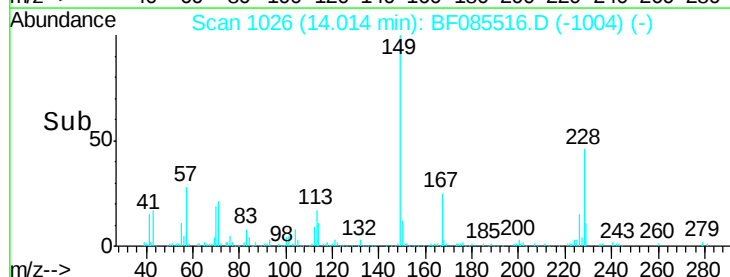
279 2.4 1.9 2.9

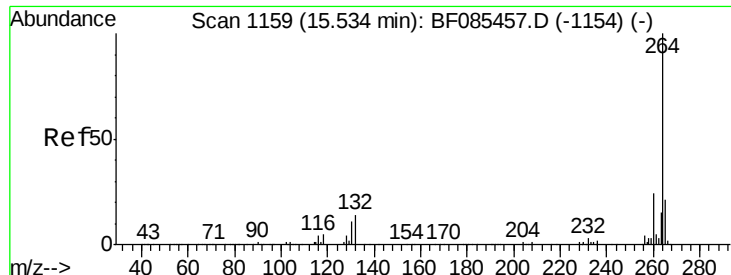


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

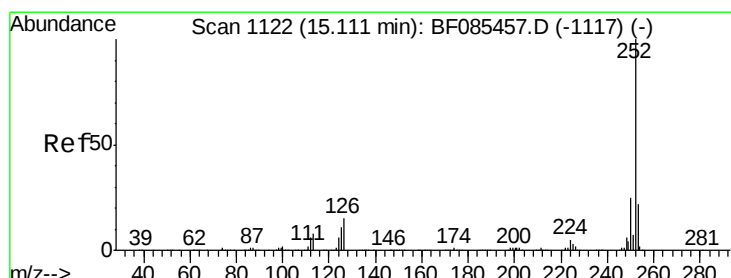
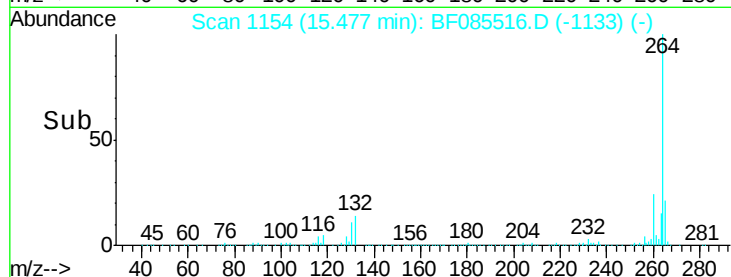
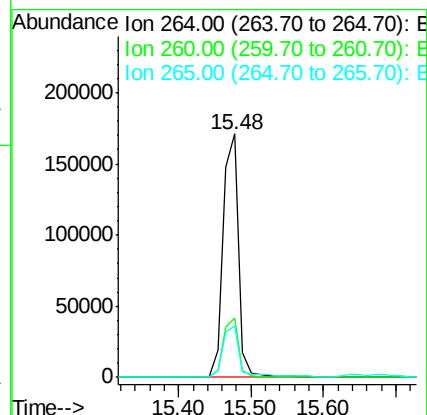
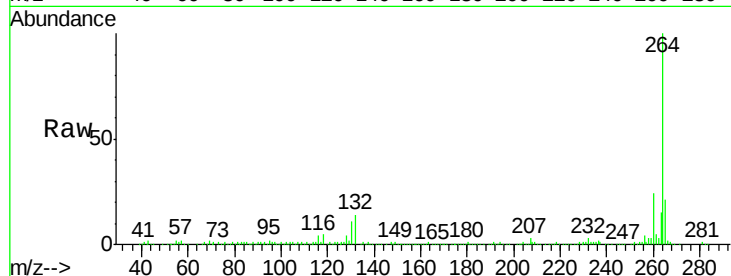




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1154
Delta R.T. -0.06 min
Lab File: BF085516.D
Acq: 18 Mar 2016 2:57

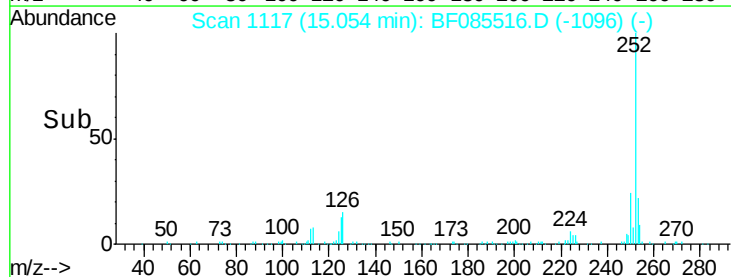
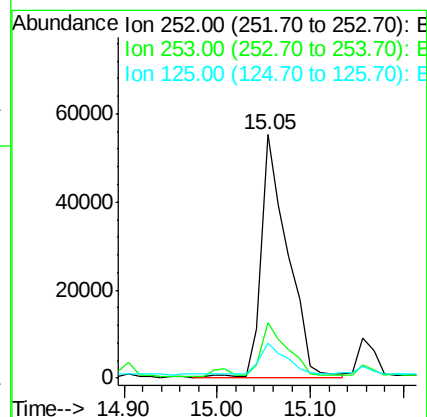
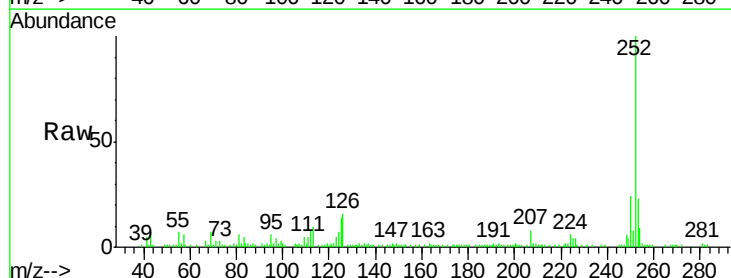
Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

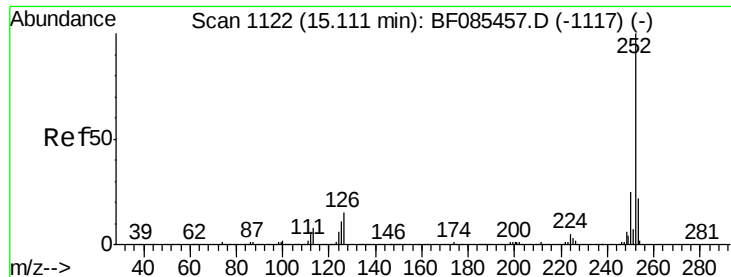
Tgt Ion: 264 Resp: 252444
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.3 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 6.64 ng
RT: 15.05 min Scan# 1117
Delta R.T. -0.06 min
Lab File: BF085516.D
Acq: 18 Mar 2016 2:57

Tgt Ion: 252 Resp: 109389
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 14.4 11.3 16.9

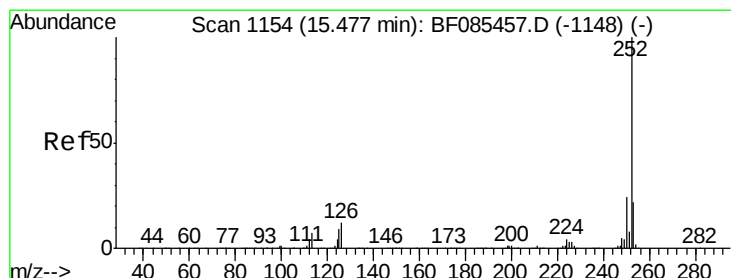
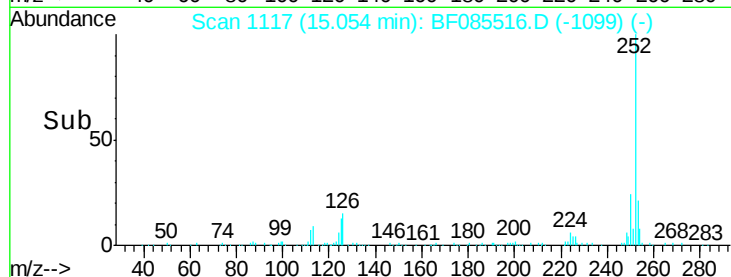
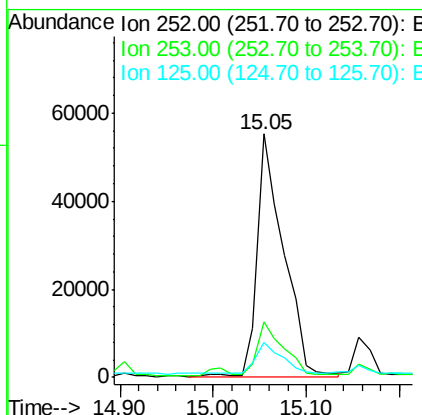
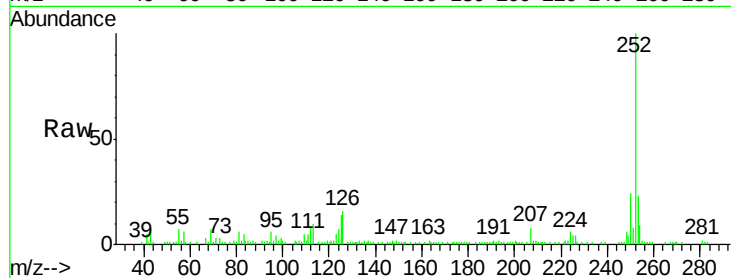




#88
Benzo(k)fluoranthene
Concen: 8.47 ng
RT: 15.05 min Scan# 1117
Delta R.T. -0.09 min
Lab File: BF085516.D
Acq: 18 Mar 2016 2:57

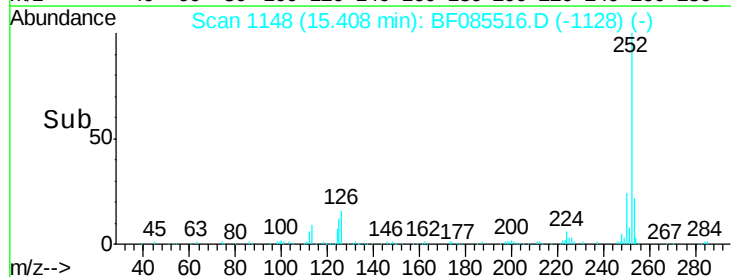
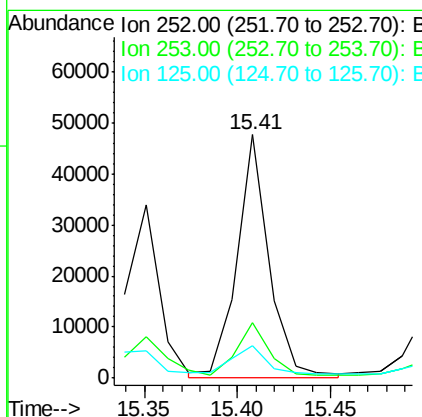
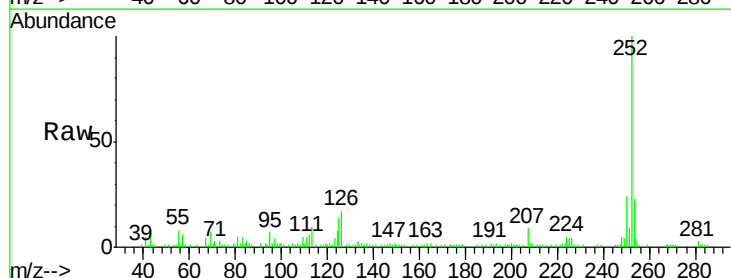
Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

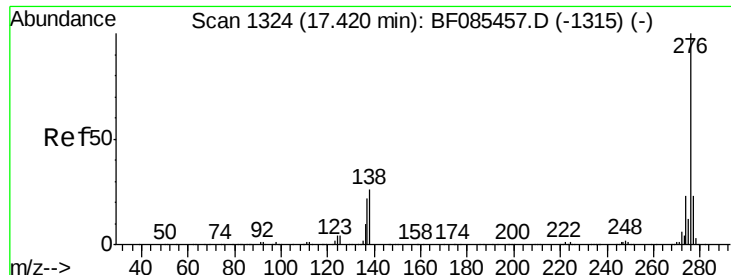
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	14.4	10.4	15.6



#89
Benzo(a)pyrene
Concen: 4.02 ng
RT: 15.41 min Scan# 1148
Delta R.T. -0.07 min
Lab File: BF085516.D
Acq: 18 Mar 2016 2:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	13.6	8.2	12.4#





#91

Benzo(g,h,i)perylene

Concen: 2.21 ng

RT: 17.31 min Scan# 1314

Delta R.T. -0.11 min

Lab File: BF085516.D

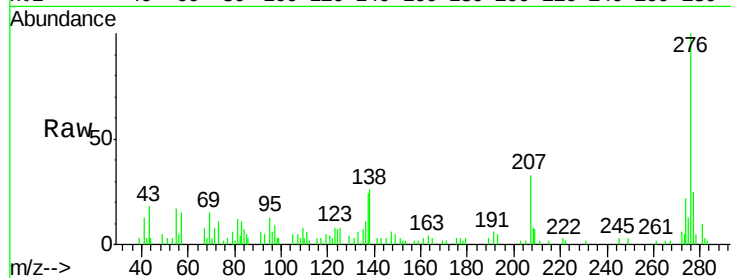
Acq: 18 Mar 2016 2:57

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP



Tgt Ion: 276 Resp: 31345

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.4

138 26.0 22.5 33.7

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

