

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
 Data File : BF085513.D
 Acq On : 18 Mar 2016 1:33
 Operator : UM/SJ
 Sample : H1774-10
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15-COMP

Quant Time: Mar 18 02:04:33 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

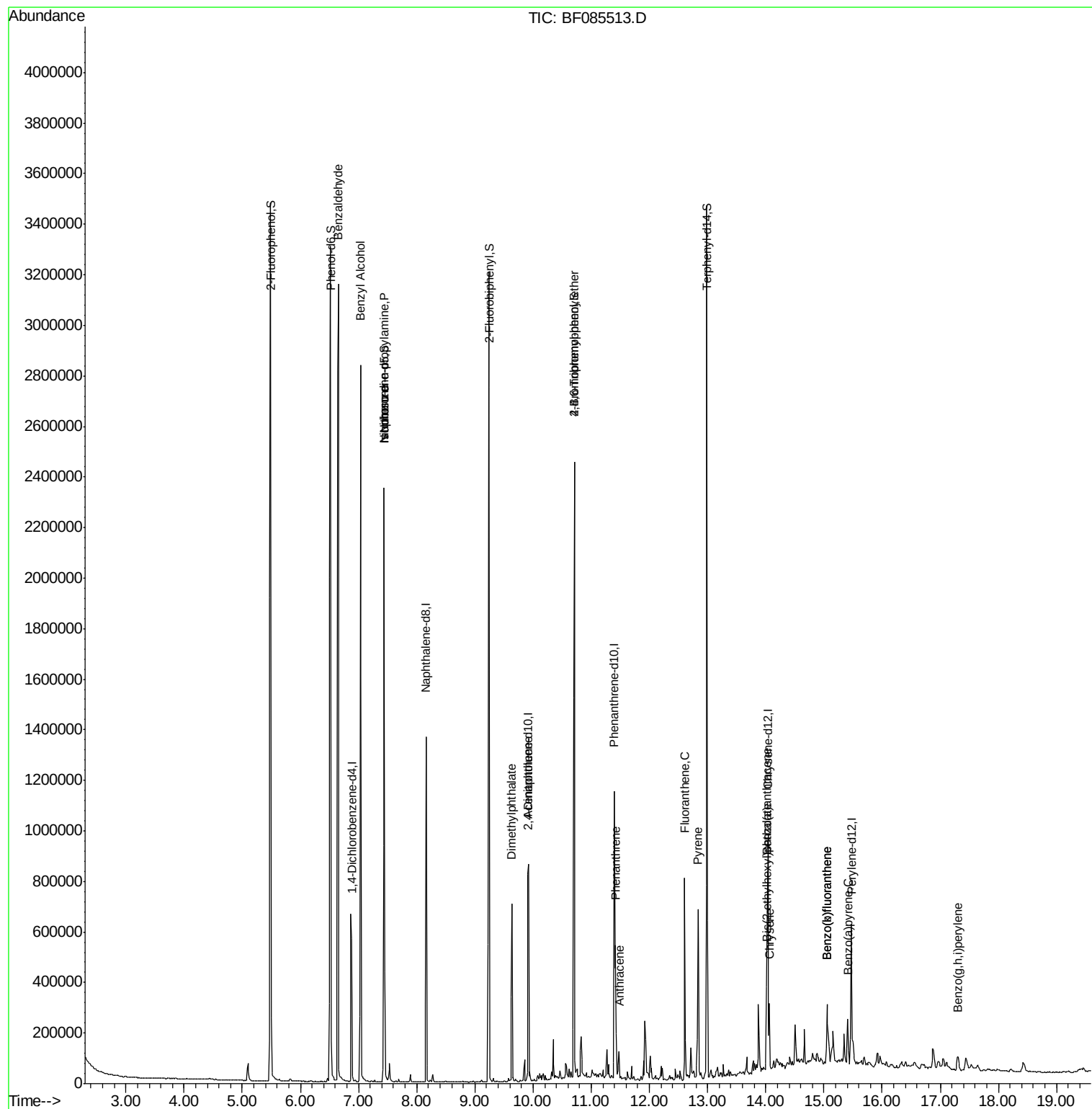
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	145810	20.00	ng	-0.03
21) Naphthalene-d8	8.16	136	604239	20.00	ng	-0.05
38) Acenaphthene-d10	9.92	164	249492	20.00	ng	-0.03
63) Phenanthrene-d10	11.40	188	439798	20.00	ng	-0.05
75) Chrysene-d12	14.04	240	313077	20.00	ng	-0.05
86) Perylene-d12	15.48	264	291153	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1216423	143.40	ng	-0.02
7) Phenol-d6	6.52	99	1525787	138.67	ng	-0.03
23) Nitrobenzene-d5	7.44	82	930046	91.01	ng	-0.05
41) 2,4,6-Tribromophenol	10.71	330	400994	174.50	ng	-0.05
44) 2-Fluorobiphenyl	9.25	172	1552664	107.96	ng	-0.03
78) Terphenyl-d14	12.99	244	1098043	79.34	ng	-0.05
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	29635	4.82	ng	93
15) Benzyl Alcohol	7.03	79	16002	2.04	ng	# 47
19) n-Nitroso-di-n-propylamine	7.44	70	123622	18.76	ng	# 77
25) Isophorone	7.44	82	685012	32.87	ng	# 67
49) Dimethylphthalate	9.64	163	337790	18.56	ng	99
56) 2,4-Dinitrotoluene	9.91	165	31874	6.32	ng	# 22
66) 4-Bromophenyl-phenylether	10.71	248	26276	5.90	ng	# 1
70) Phenanthrene	11.42	178	205055	8.95	ng	97
71) Anthracene	11.48	178	47466	2.03	ng	99
74) Fluoranthene	12.61	202	305295	14.18	ng	98
77) Pyrene	12.84	202	253585	10.80	ng	98
80) Benzo(a)anthracene	14.03	228	128741	7.17	ng	99
82) Chrysene	14.06	228	78336	4.85	ng	97
83) Bis(2-ethylhexyl)phthalate	14.01	149	71514	5.71	ng	98
87) Benzo(b)fluoranthene	15.05	252	158417	8.33	ng	99
88) Benzo(k)fluoranthene	15.05	252	158417	10.64	ng	99
89) Benzo(a)pyrene	15.41	252	78830	4.80	ng	# 97
91) Benzo(g,h,i)perylene	17.31	276	47025	2.87	ng	93

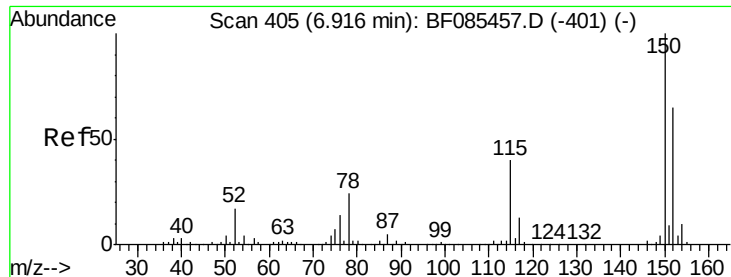
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF085513.D

Acq: 18 Mar 2016 1:33

Instrument :

BNA_F

ClientSampleId :

SB-15-COMP

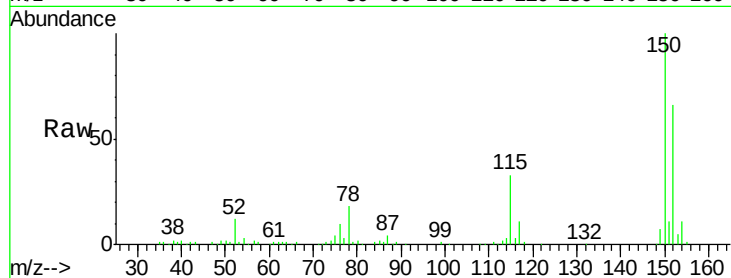
Tgt Ion:152 Resp: 145810

Ion Ratio Lower Upper

152 100

150 151.9 124.6 186.8

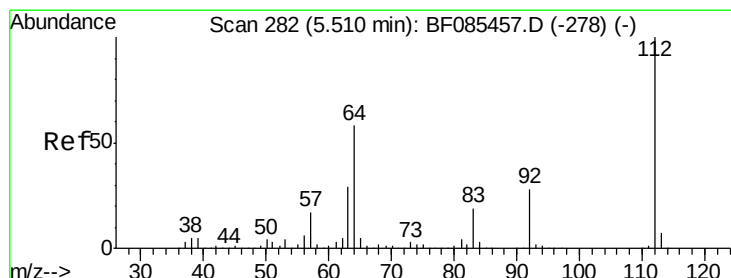
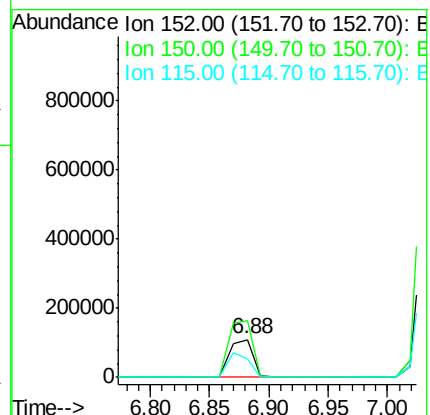
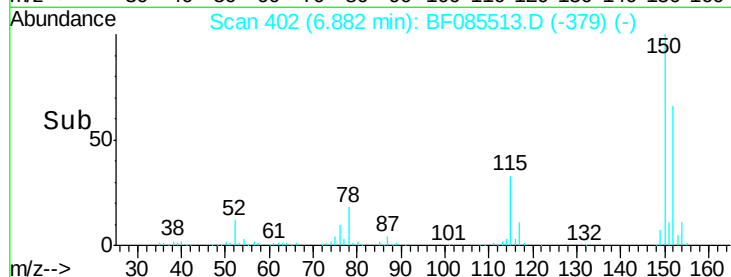
115 50.2 46.6 70.0



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: 143.40 ng

RT: 5.49 min Scan# 280

Delta R.T. -0.02 min

Lab File: BF085513.D

Acq: 18 Mar 2016 1:33

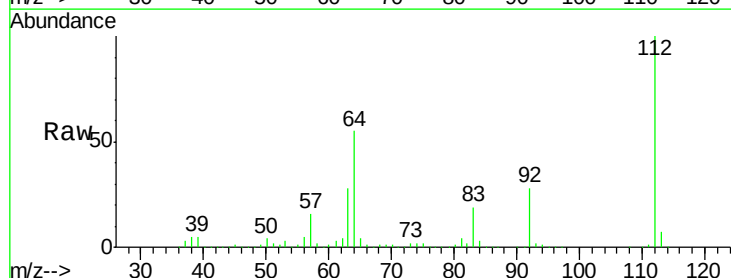
Tgt Ion:112 Resp: 1216423

Ion Ratio Lower Upper

112 100

64 55.2 49.0 73.4

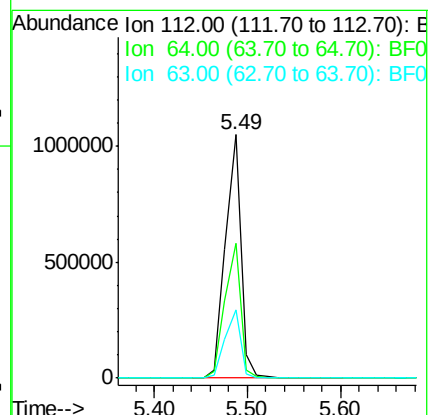
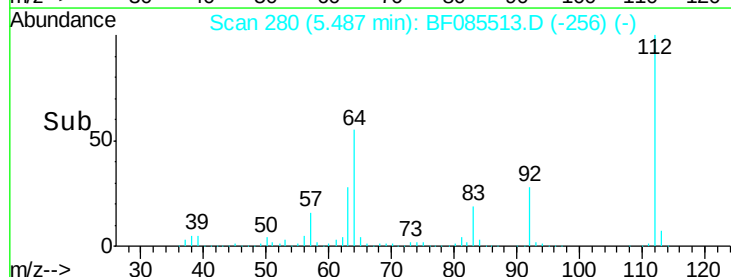
63 28.0 24.8 37.2

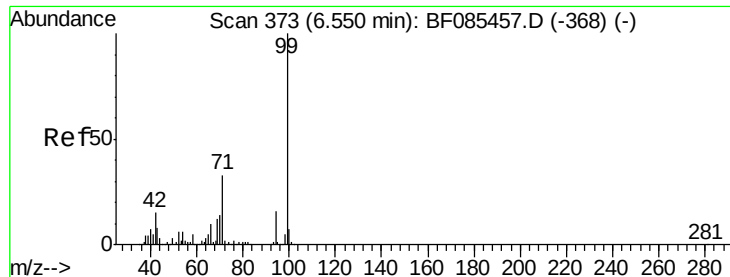


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 138.67 ng

RT: 6.52 min Scan# 370

Delta R.T. -0.03 min

Lab File: BF085513.D

Acq: 18 Mar 2016 1:33

Instrument :

BNA_F

ClientSampleId :

SB-15-COMP

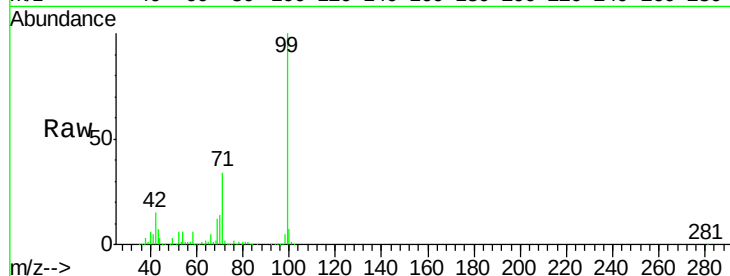
Tgt Ion: 99 Resp: 1525787

Ion Ratio Lower Upper

99 100

42 15.3 13.6 20.4

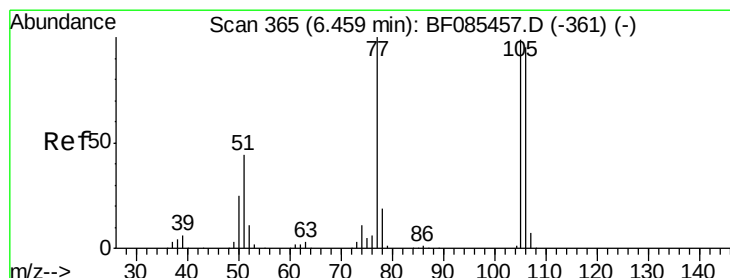
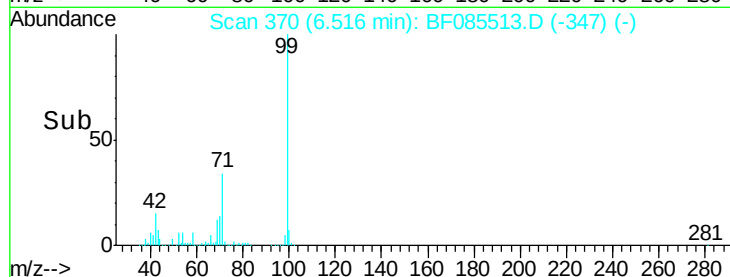
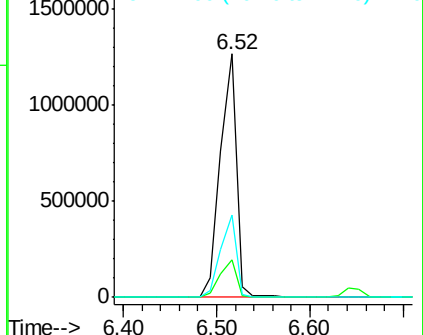
71 33.7 26.7 40.1



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: 4.82 ng

RT: 6.65 min Scan# 382

Delta R.T. 0.19 min

Lab File: BF085513.D

Acq: 18 Mar 2016 1:33

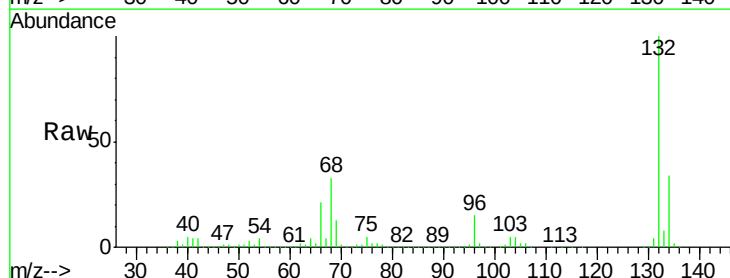
Tgt Ion: 77 Resp: 29635

Ion Ratio Lower Upper

77 100

105 91.4 78.2 118.2

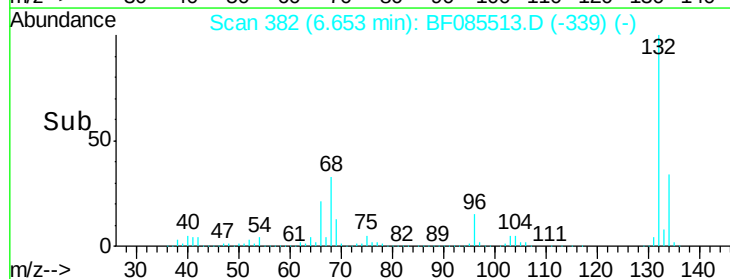
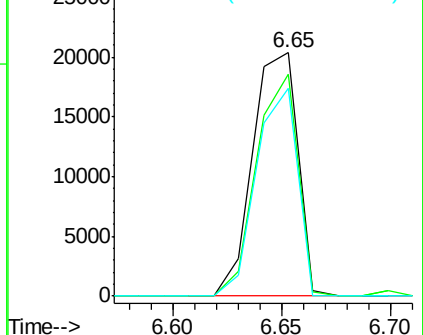
106 85.5 72.9 112.9

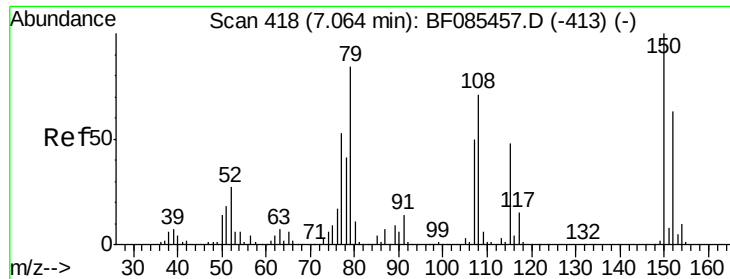


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

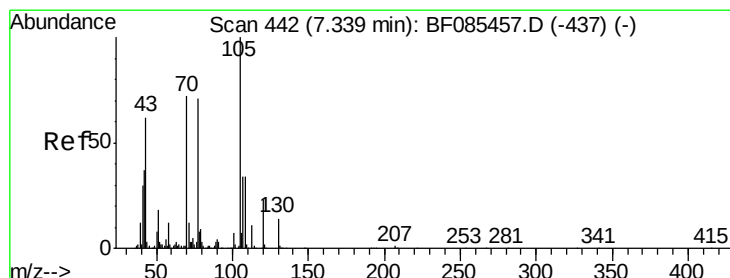
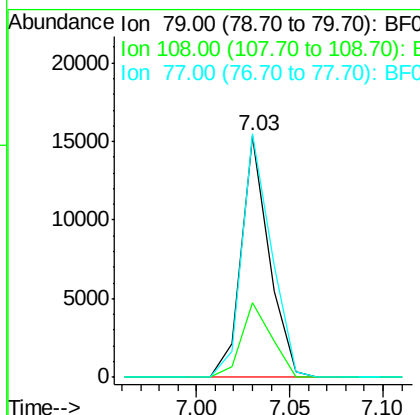
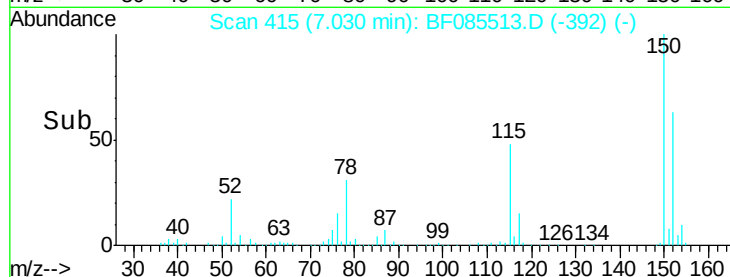
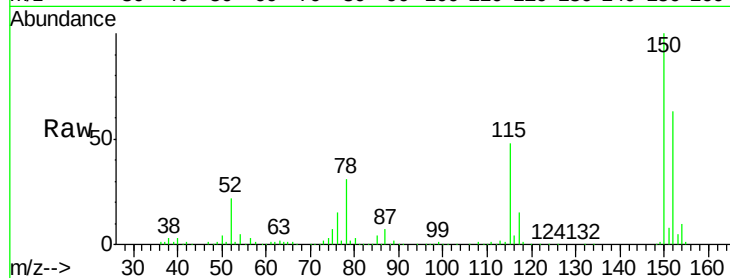




#15
Benzyl Alcohol
Concen: 2.04 ng
RT: 7.03 min Scan# 415
Delta R.T. -0.03 min
Lab File: BF085513.D
Acq: 18 Mar 2016 1:33

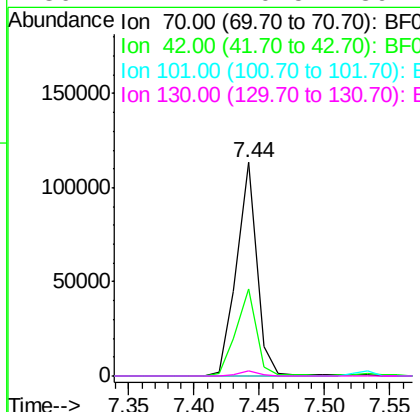
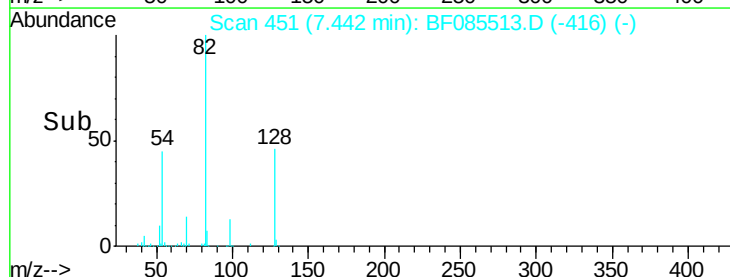
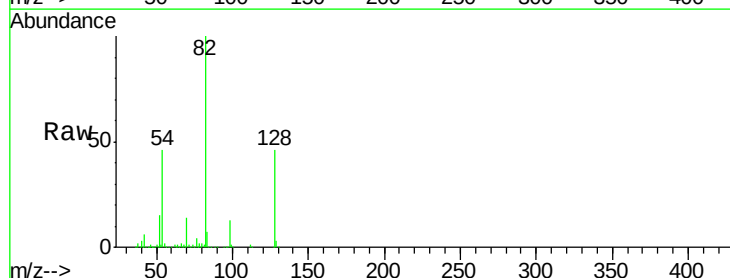
Instrument :
BNA_F
ClientSampleId :
SB-15-COMP

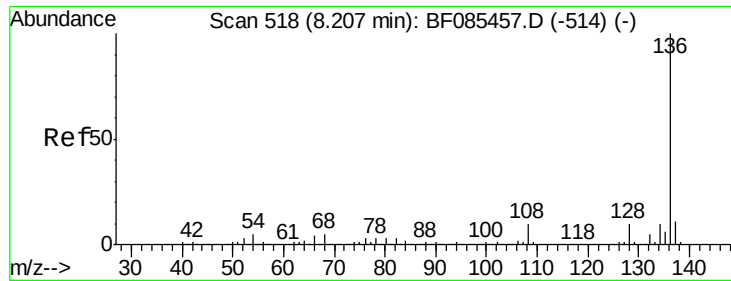
Tgt Ion: 79 Resp: 16002
Ion Ratio Lower Upper
79 100
108 31.1 62.9 94.3#
77 100.8 49.5 74.3#



#19
n-Nitroso-di-n-propylamine
Concen: 18.76 ng
RT: 7.44 min Scan# 451
Delta R.T. 0.10 min
Lab File: BF085513.D
Acq: 18 Mar 2016 1:33

Tgt Ion: 70 Resp: 123622
Ion Ratio Lower Upper
70 100
42 40.8 37.7 56.5
101 0.0 8.2 12.4#
130 2.4 20.5 30.7#

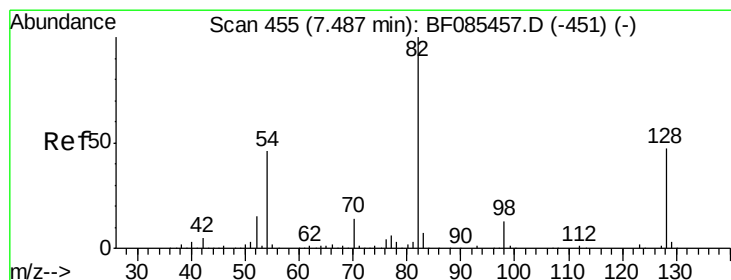
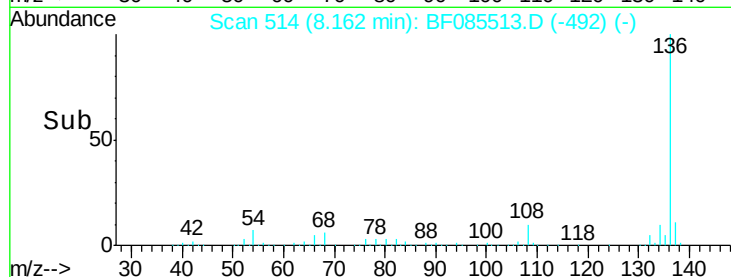
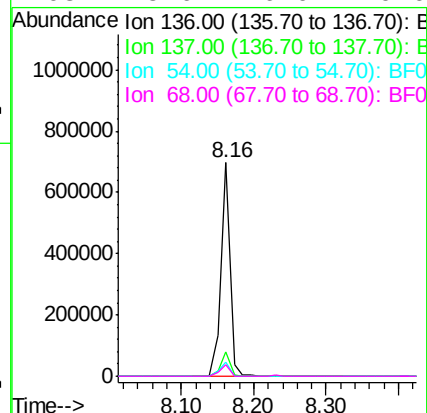
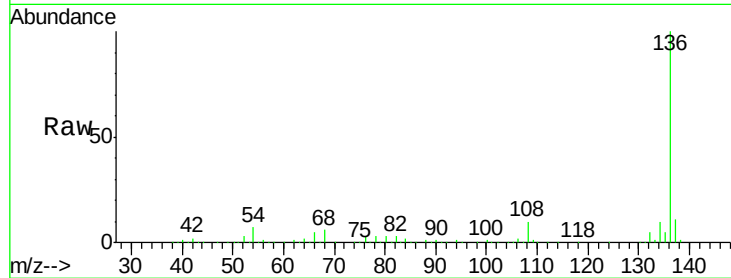




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 514
Delta R.T. -0.05 min
Lab File: BF085513.D
Acq: 18 Mar 2016 1:33

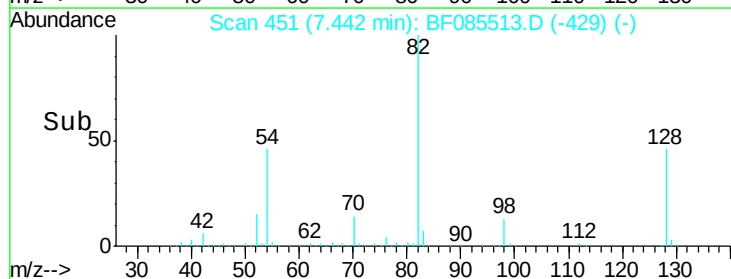
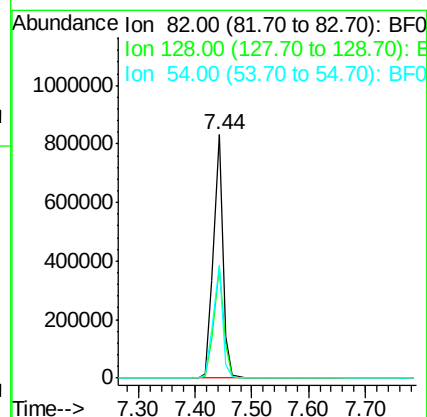
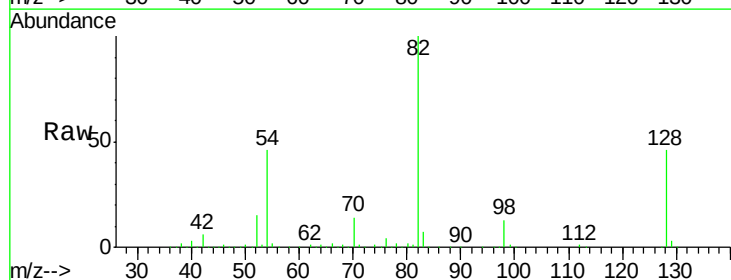
Instrument :
BNA_F
ClientSampleId :
SB-15-COMP

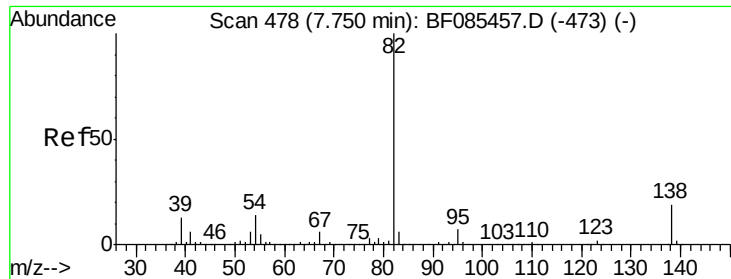
Tgt Ion: 136 Resp: 604239
Ion Ratio Lower Upper
136 100
137 11.2 9.3 13.9
54 6.6 7.4 11.2#
68 5.6 6.0 9.0#



#23
Nitrobenzene-d5
Concen: 91.01 ng
RT: 7.44 min Scan# 451
Delta R.T. -0.05 min
Lab File: BF085513.D
Acq: 18 Mar 2016 1:33

Tgt Ion: 82 Resp: 930046
Ion Ratio Lower Upper
82 100
128 45.5 34.5 51.7
54 46.5 39.3 58.9





#25

Isophorone

Concen: 32.87 ng

RT: 7.44 min Scan# 451

Delta R.T. -0.31 min

Lab File: BF085513.D

Acq: 18 Mar 2016 1:33

Instrument :

BNA_F

ClientSampleId :

SB-15-COMP

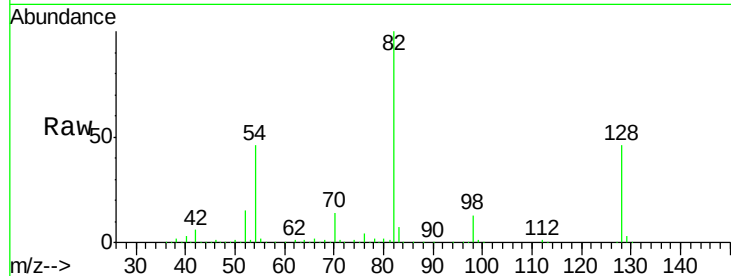
Tgt Ion: 82 Resp: 685012

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 13.3 19.9#

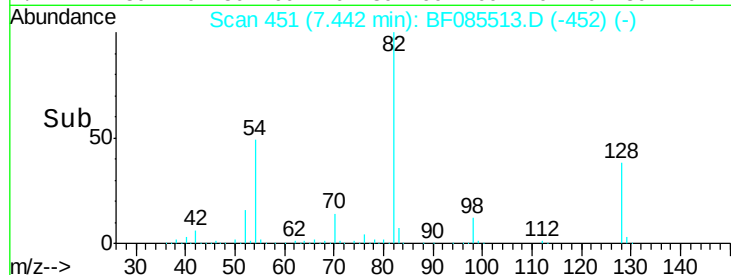


Abundance Ion 82.00 (81.70 to 82.70): BF0

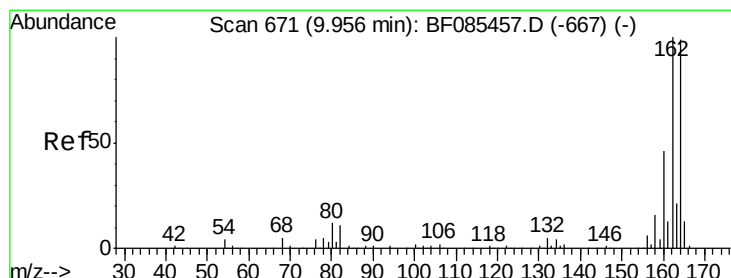
Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

Time-->



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 668

Delta R.T. -0.03 min

Lab File: BF085513.D

Acq: 18 Mar 2016 1:33

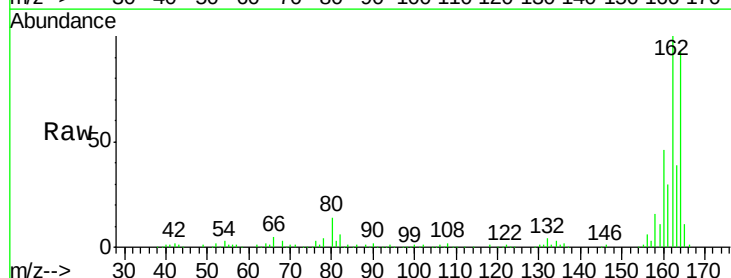
Tgt Ion: 164 Resp: 249492

Ion Ratio Lower Upper

164 100

162 107.0 83.3 124.9

160 49.5 37.9 56.9

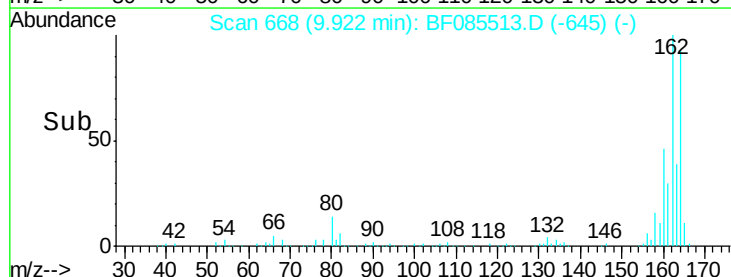


Abundance Ion 164.00 (163.70 to 164.70): E

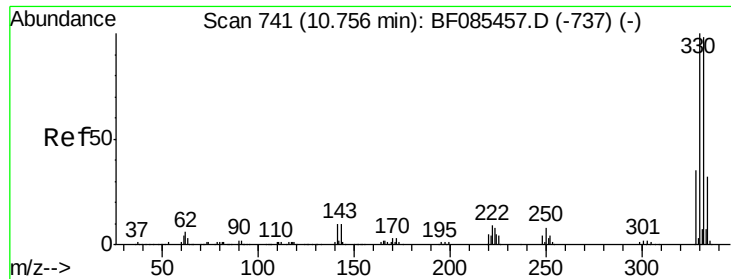
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time-->



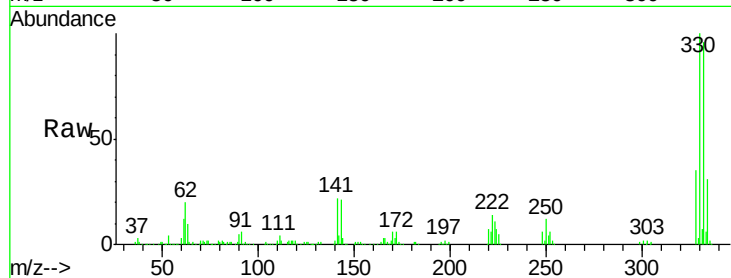
Time-->



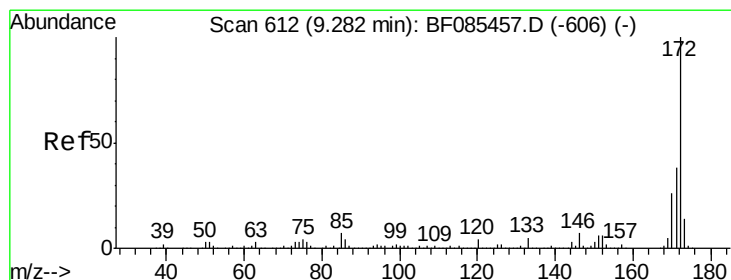
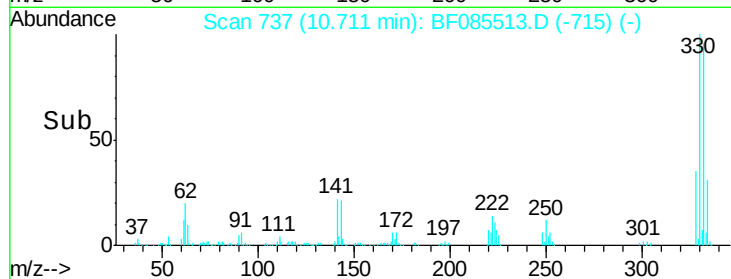
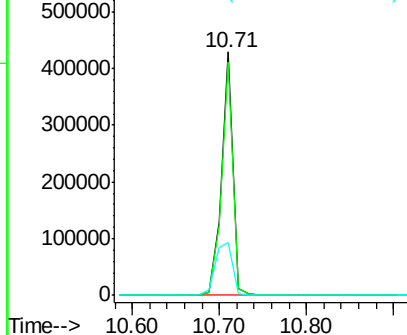
#41
 2,4,6-Tribromophenol
 Concen: 174.50 ng
 RT: 10.71 min Scan# 737
 Delta R.T. -0.05 min
 Lab File: BF085513.D
 Acq: 18 Mar 2016 1:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-15-COMP

Tgt Ion:330 Resp: 400994
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.1 115.7
 141 32.8 35.0 52.6#

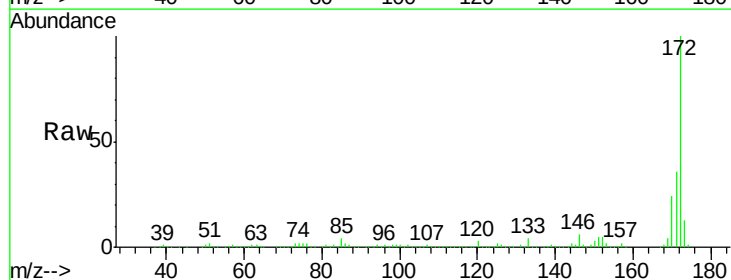


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

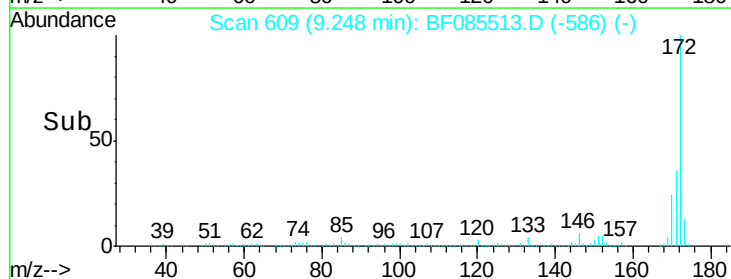
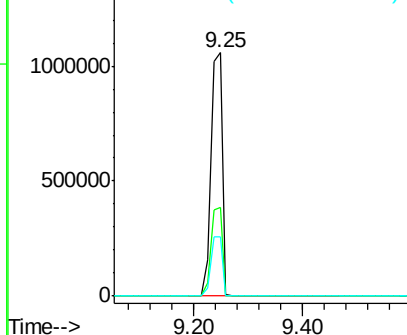


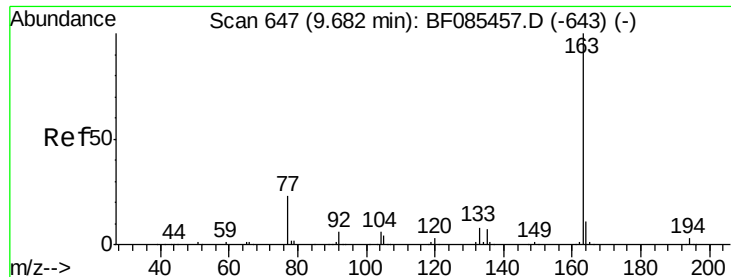
#44
 2-Fluorobiphenyl
 Concen: 107.96 ng
 RT: 9.25 min Scan# 609
 Delta R.T. -0.03 min
 Lab File: BF085513.D
 Acq: 18 Mar 2016 1:33

Tgt Ion:172 Resp: 1552664
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.3 43.9
 170 24.4 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

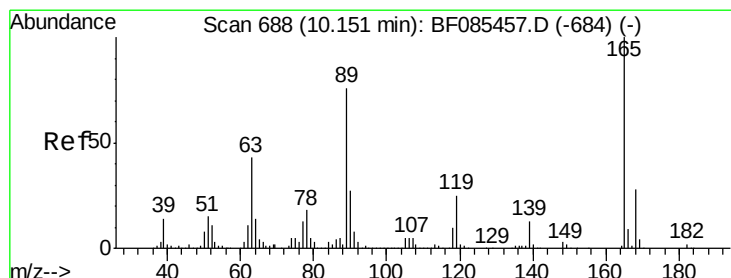
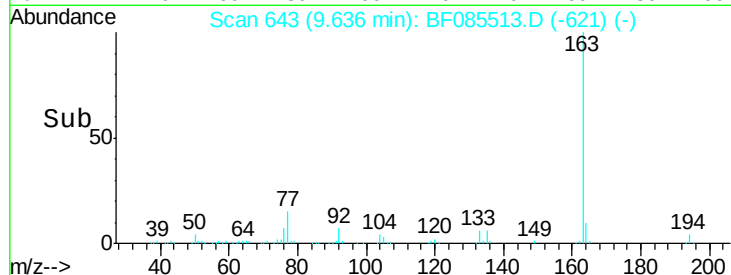
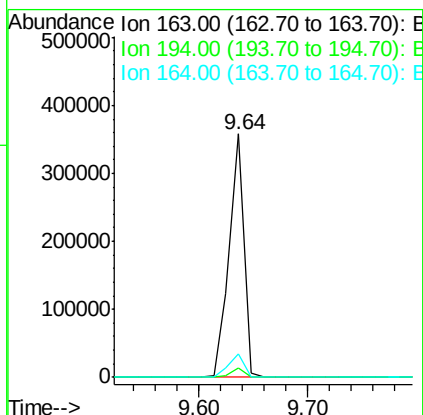
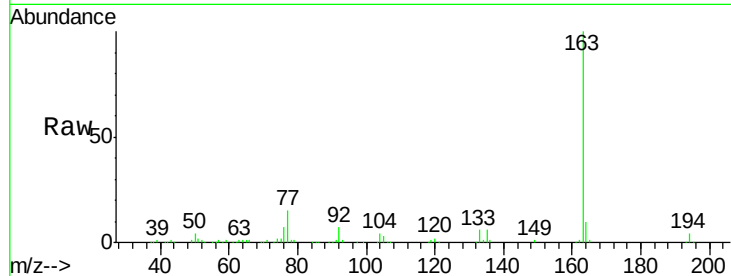




#49
Dimethylphthalate
Concen: 18.56 ng
RT: 9.64 min Scan# 643
Delta R.T. -0.05 min
Lab File: BF085513.D
Acq: 18 Mar 2016 1:33

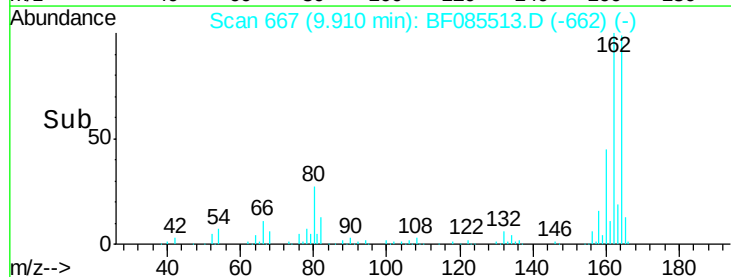
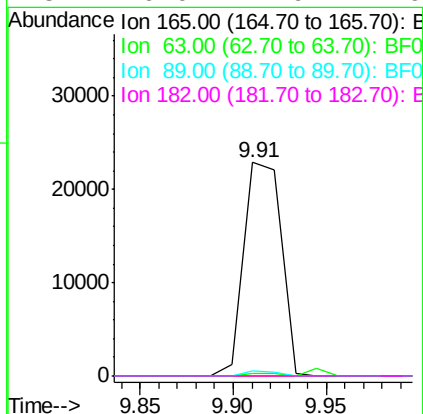
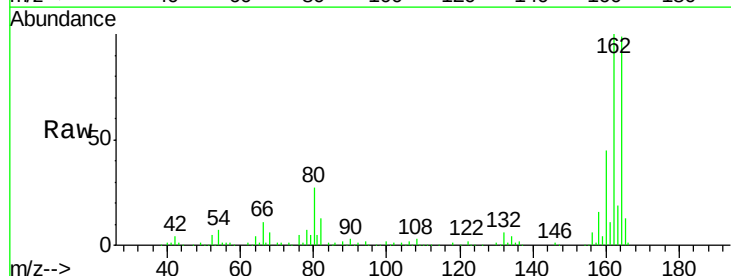
Instrument :
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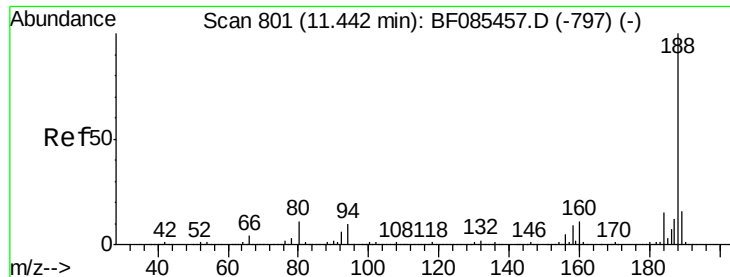
Tgt Ion:163 Resp: 337790
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 9.9 8.2 12.4



#56
2,4-Dinitrotoluene
Concen: 6.32 ng
RT: 9.91 min Scan# 667
Delta R.T. -0.24 min
Lab File: BF085513.D
Acq: 18 Mar 2016 1:33

Tgt Ion:165 Resp: 31874
Ion Ratio Lower Upper
165 100
63 1.5 35.4 53.0#
89 2.1 61.9 92.9#
182 0.0 1.9 2.9#

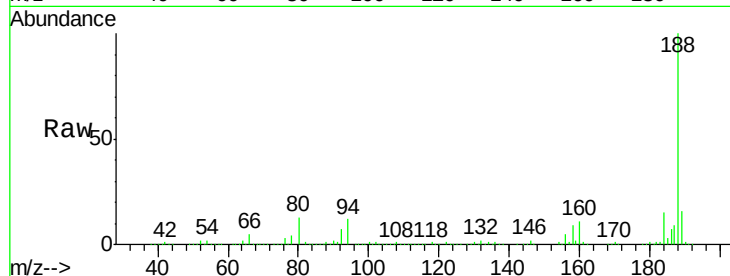




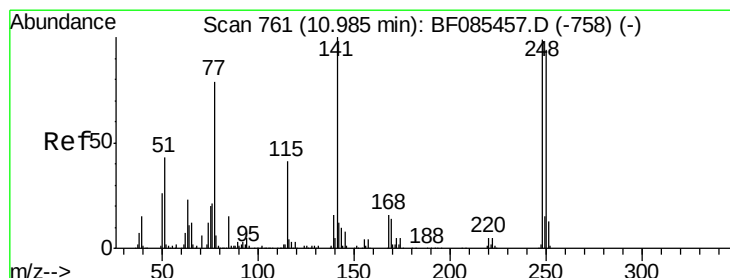
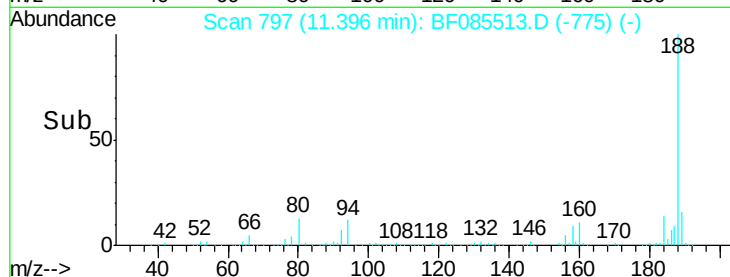
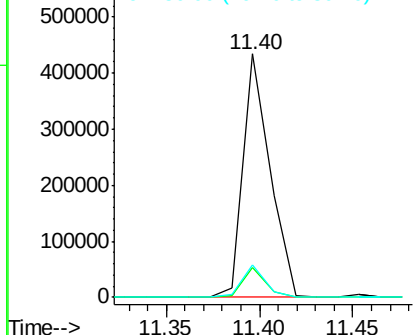
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 797
 Delta R.T. -0.05 min
 Lab File: BF085513.D
 Acq: 18 Mar 2016 1:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-15-COMP

Tgt Ion:188 Resp: 439798
 Ion Ratio Lower Upper
 188 100
 94 12.5 7.0 10.6#
 80 13.3 7.4 11.0#

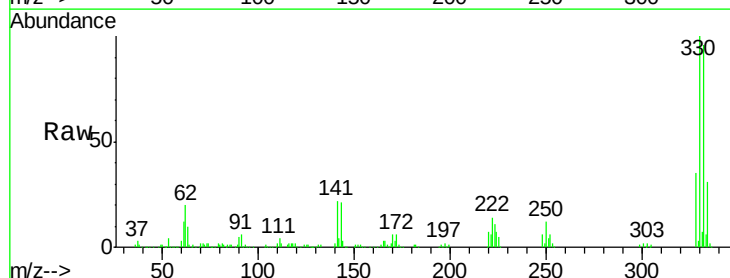


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

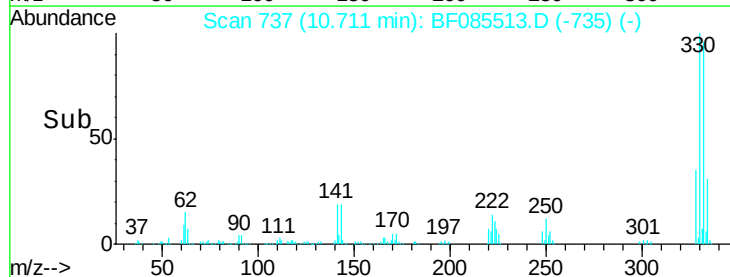
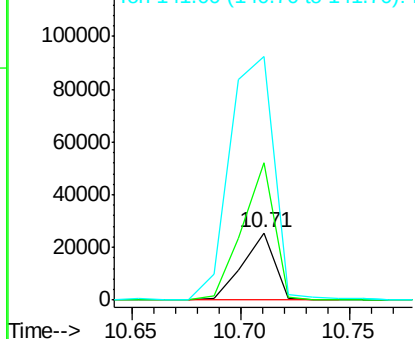


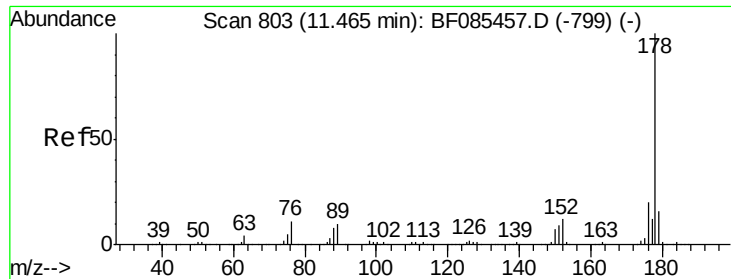
#66
 4-Bromophenyl-phenylether
 Concen: 5.90 ng
 RT: 10.71 min Scan# 737
 Delta R.T. -0.27 min
 Lab File: BF085513.D
 Acq: 18 Mar 2016 1:33

Tgt Ion:248 Resp: 26276
 Ion Ratio Lower Upper
 248 100
 250 203.8 77.1 115.7#
 141 361.7 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

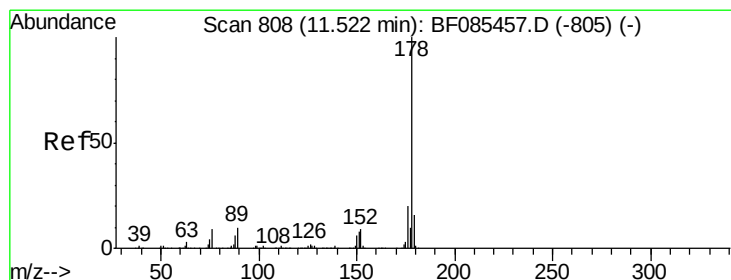
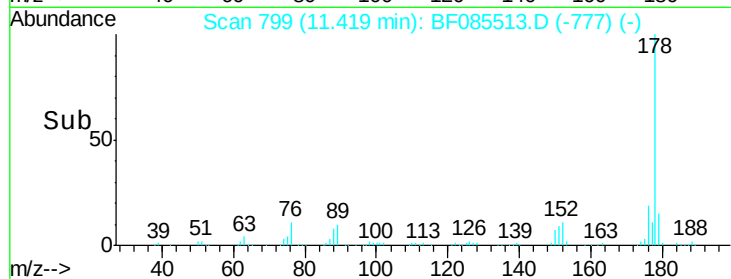
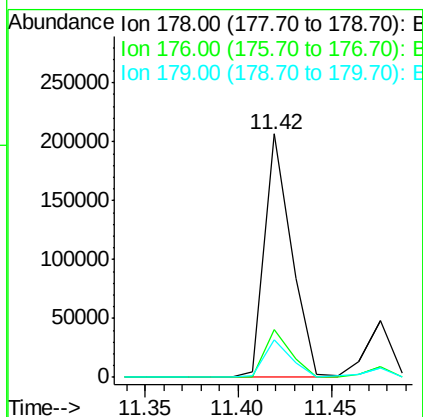
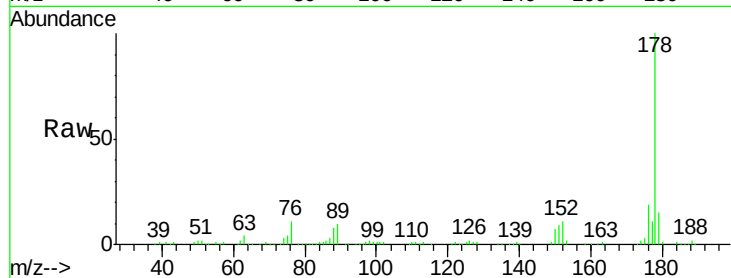




#70
Phenanthrene
Concen: 8.95 ng
RT: 11.42 min Scan# 799
Delta R.T. -0.05 min
Lab File: BF085513.D
Acq: 18 Mar 2016 1:33

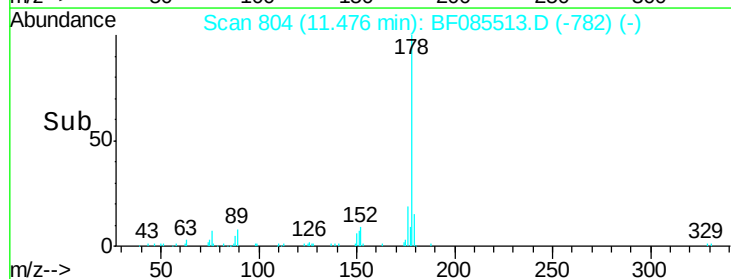
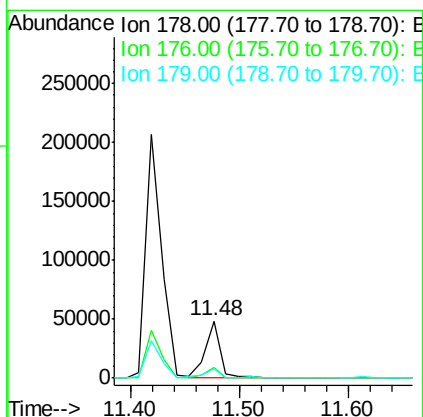
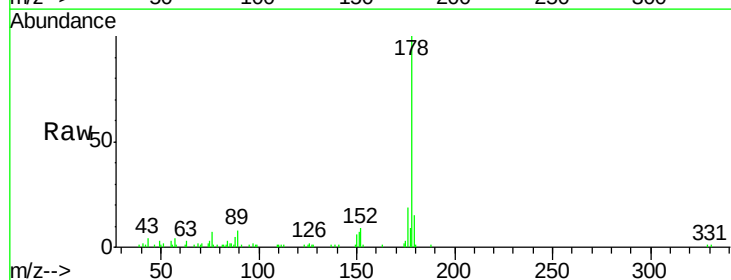
Instrument :
BNA_F
ClientSampleId :
SB-15-COMP

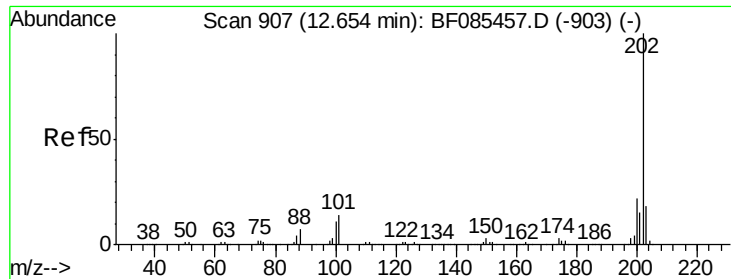
Tgt Ion:178 Resp: 205055
Ion Ratio Lower Upper
178 100
176 19.4 16.8 25.2
179 15.2 13.1 19.7



#71
Anthracene
Concen: 2.03 ng
RT: 11.48 min Scan# 804
Delta R.T. -0.05 min
Lab File: BF085513.D
Acq: 18 Mar 2016 1:33

Tgt Ion:178 Resp: 47466
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.5 12.5 18.7





#74

Fluoranthene

Concen: 14.18 ng

RT: 12.61 min Scan# 903

Delta R.T. -0.05 min

Lab File: BF085513.D

Acq: 18 Mar 2016 1:33

Instrument :

BNA_F

ClientSampleId :

SB-15-COMP

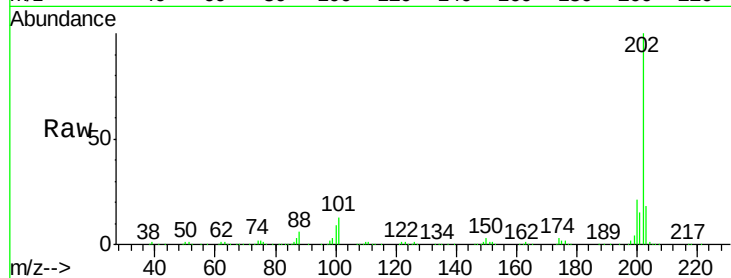
Tgt Ion: 202 Resp: 305295

Ion Ratio Lower Upper

202 100

101 13.0 0.0 31.8

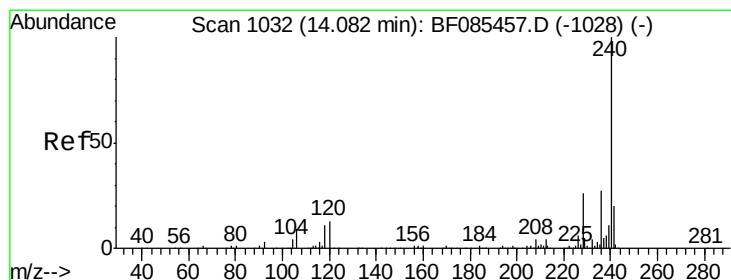
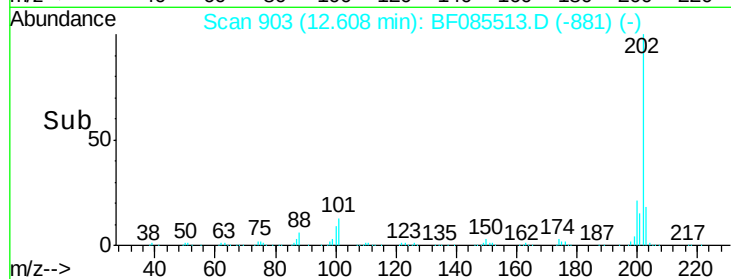
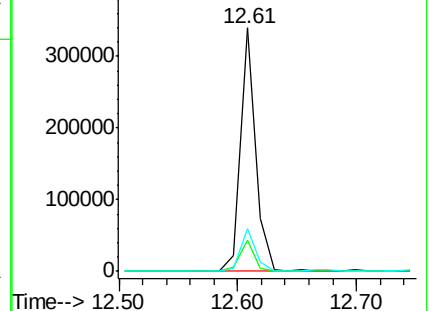
203 17.6 0.0 38.4



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: BF085513.D

Acq: 18 Mar 2016 1:33

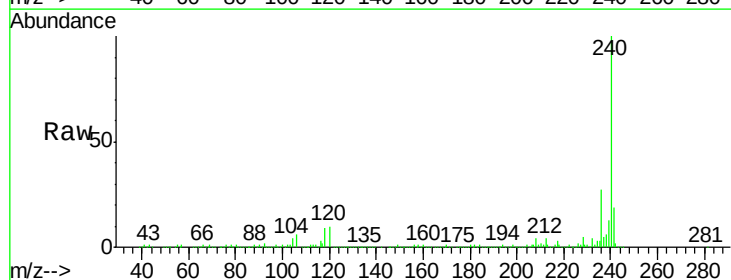
Tgt Ion: 240 Resp: 313077

Ion Ratio Lower Upper

240 100

120 10.0 5.3 7.9#

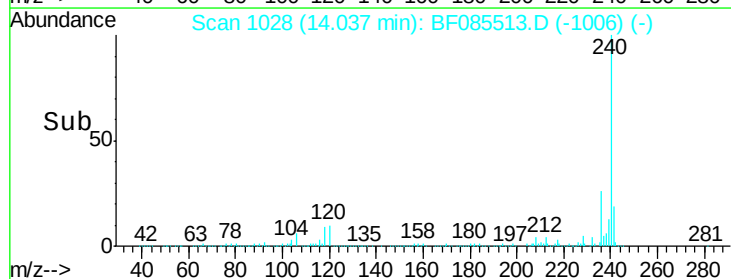
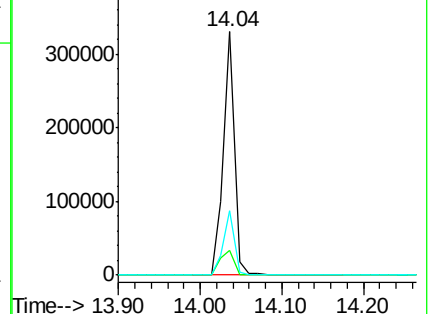
236 26.5 20.7 31.1

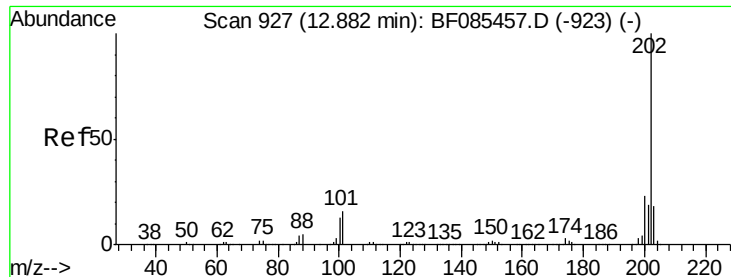


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 10.80 ng

RT: 12.84 min Scan# 923

Delta R.T. -0.05 min

Lab File: BF085513.D

Acq: 18 Mar 2016 1:33

Instrument :

BNA_F

ClientSampleId :

SB-15-COMP

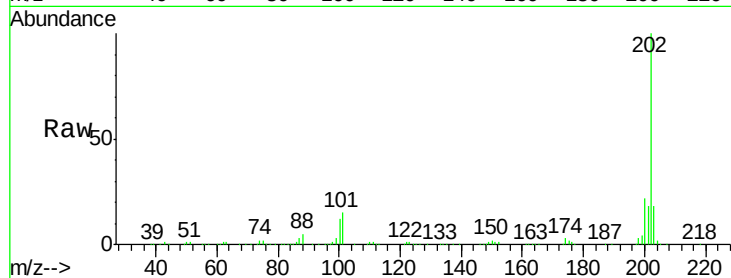
Tgt Ion:202 Resp: 253585

Ion Ratio Lower Upper

202 100

200 21.9 18.2 27.4

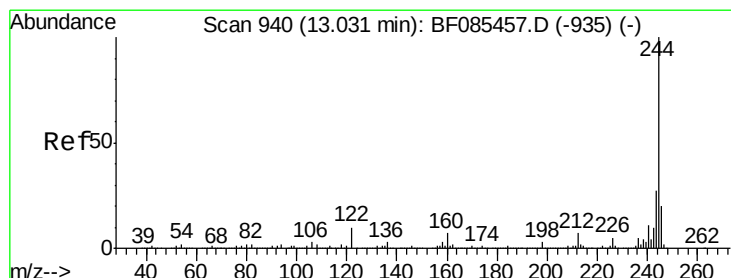
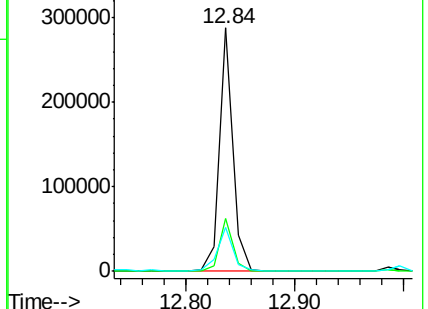
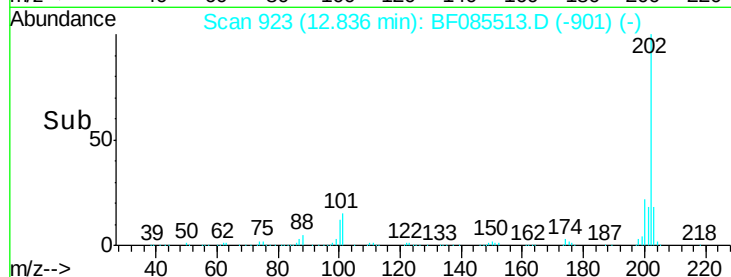
203 17.9 14.7 22.1



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: 79.34 ng

RT: 12.99 min Scan# 936

Delta R.T. -0.05 min

Lab File: BF085513.D

Acq: 18 Mar 2016 1:33

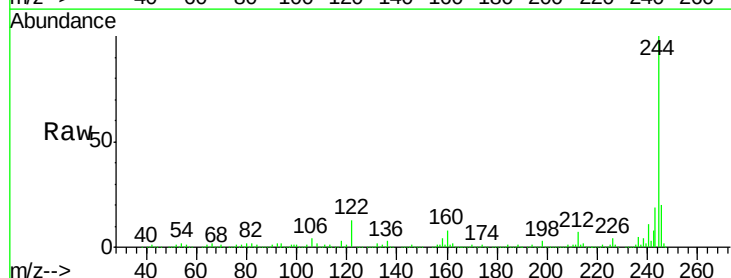
Tgt Ion:244 Resp: 1098043

Ion Ratio Lower Upper

244 100

212 7.3 6.4 9.6

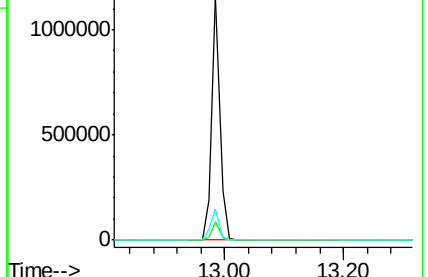
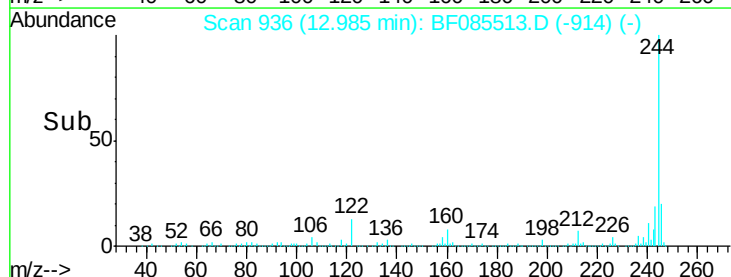
122 12.7 11.4 17.2

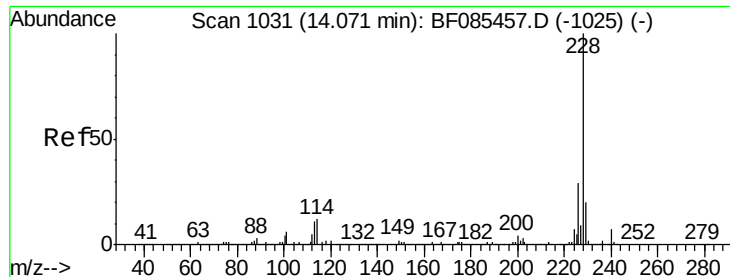


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.17 ng

RT: 14.03 min Scan# 1027

Delta R.T. -0.05 min

Lab File: BF085513.D

Acq: 18 Mar 2016 1:33

Instrument :

BNA_F

ClientSampled :

SB-15-COMP

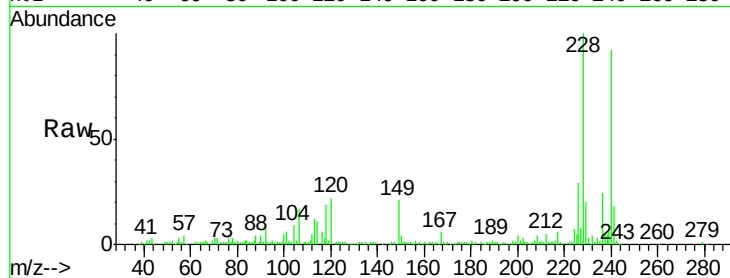
Tgt Ion:228 Resp: 128741

Ion Ratio Lower Upper

228 100

226 28.7 22.8 34.2

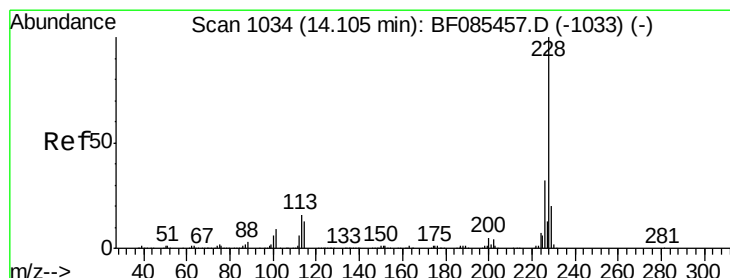
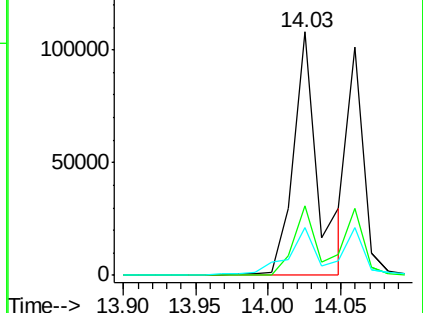
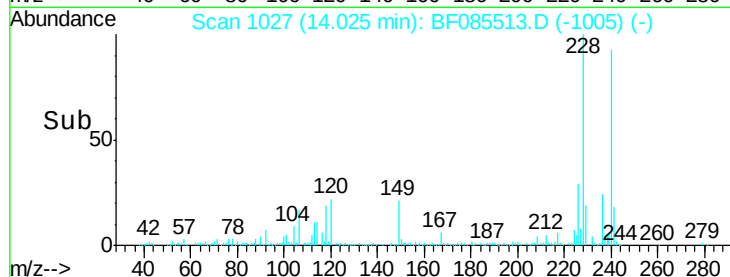
229 19.5 16.6 24.8



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: 4.85 ng

RT: 14.06 min Scan# 1030

Delta R.T. -0.05 min

Lab File: BF085513.D

Acq: 18 Mar 2016 1:33

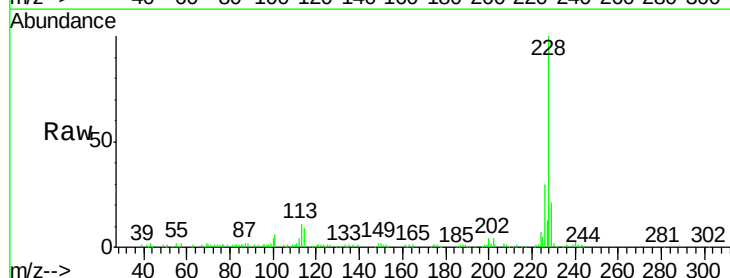
Tgt Ion:228 Resp: 78336

Ion Ratio Lower Upper

228 100

226 29.5 25.2 37.8

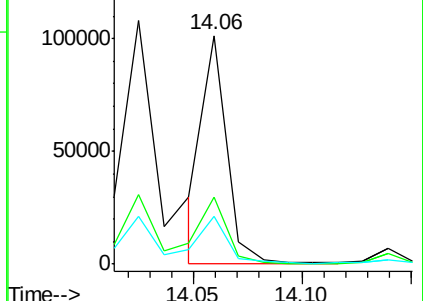
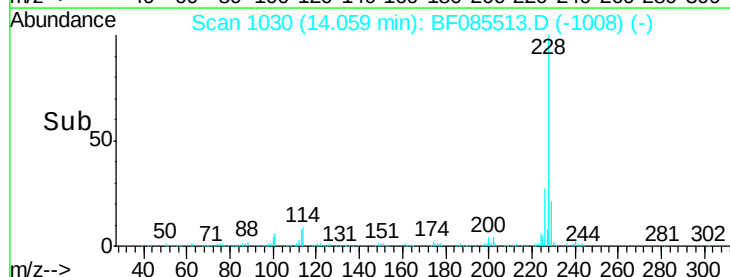
229 20.9 16.0 24.0

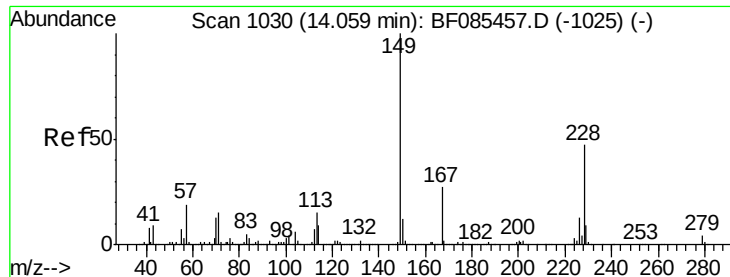


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

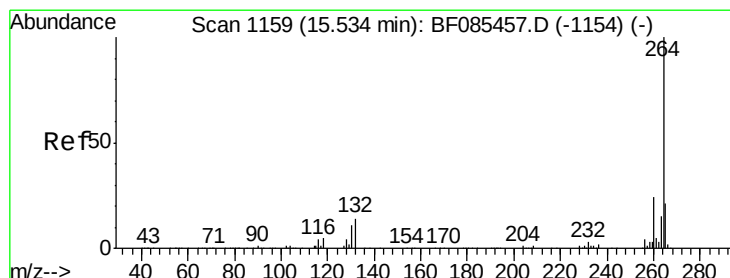
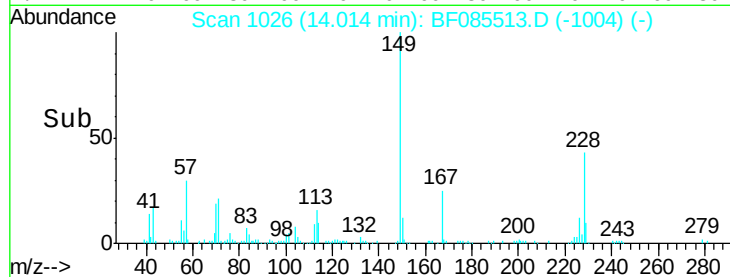
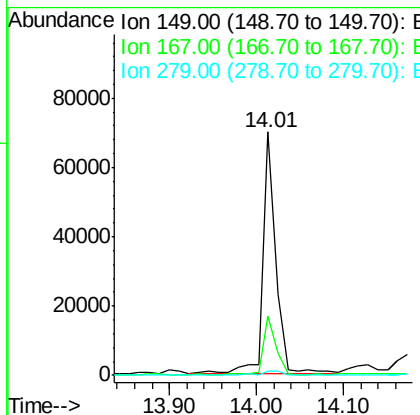
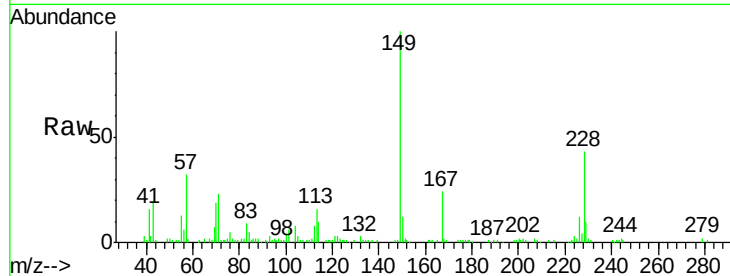




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.71 ng
 RT: 14.01 min Scan# 1026
 Delta R.T. -0.05 min
 Lab File: BF085513.D
 Acq: 18 Mar 2016 1:33

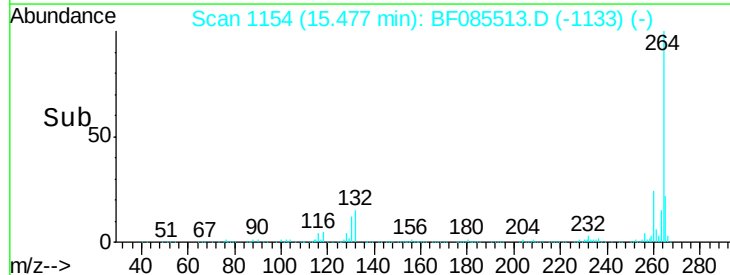
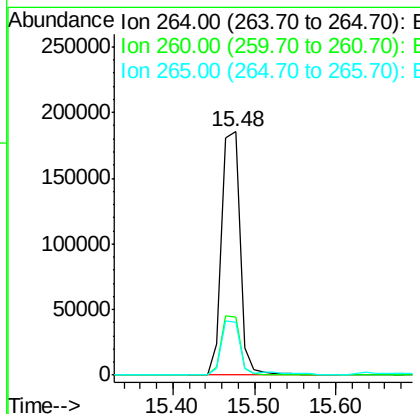
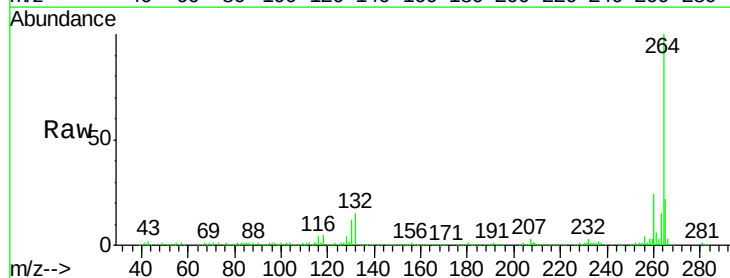
Instrument :
 BNA_F
 ClientSampleId :
 SB-15-COMP

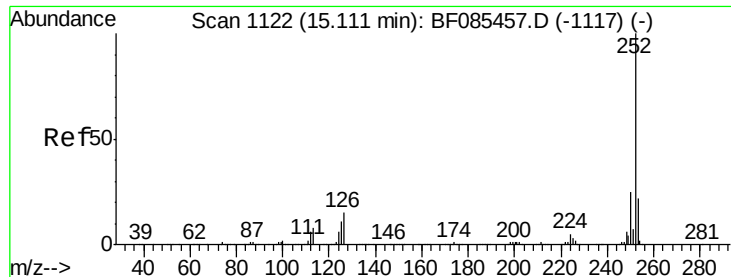
Tgt Ion:149 Resp: 71514
 Ion Ratio Lower Upper
 149 100
 167 24.4 20.3 30.5
 279 2.0 1.9 2.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 1154
 Delta R.T. -0.06 min
 Lab File: BF085513.D
 Acq: 18 Mar 2016 1:33

Tgt Ion:264 Resp: 291153
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 21.5 17.3 25.9

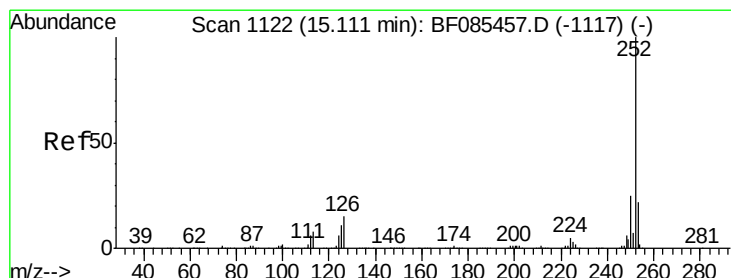
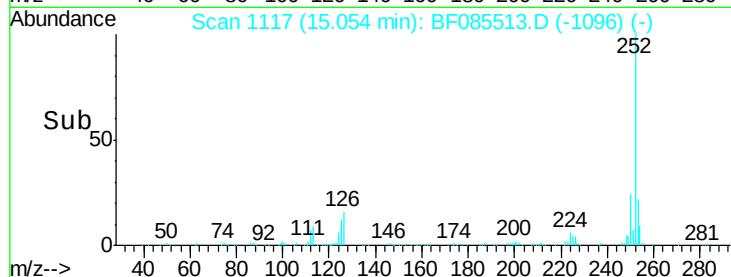
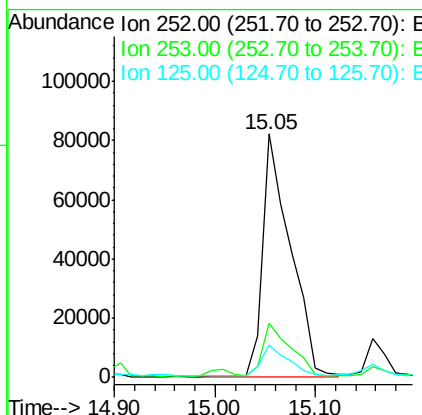
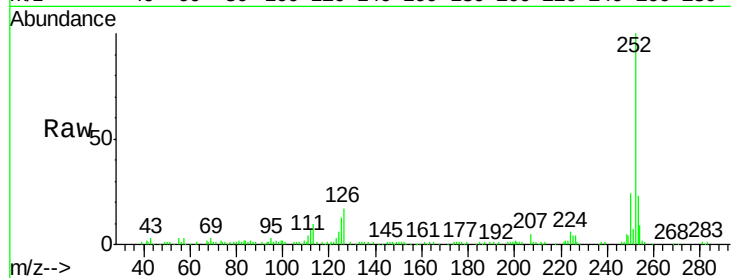




#87
Benzo(b)fluoranthene
Concen: 8.33 ng
RT: 15.05 min Scan# 1117
Delta R.T. -0.06 min
Lab File: BF085513.D
Acq: 18 Mar 2016 1:33

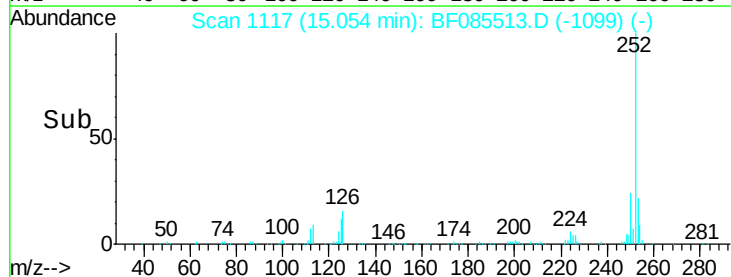
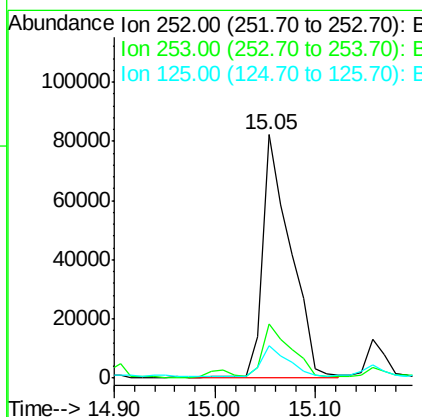
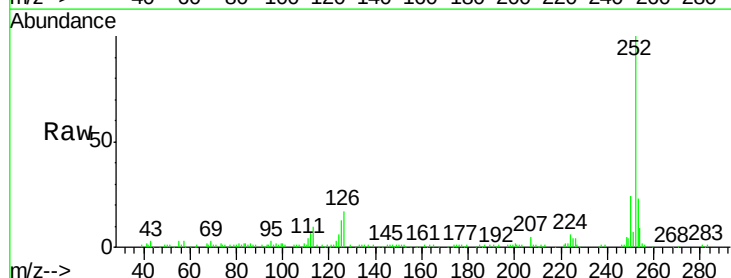
Instrument :
BNA_F
ClientSampleId :
SB-15-COMP

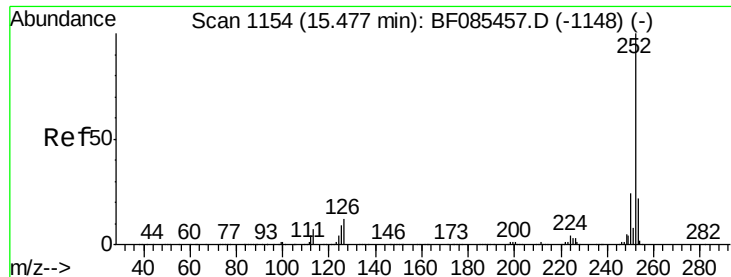
Tgt Ion: 252 Resp: 158417
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 13.3 11.3 16.9



#88
Benzo(k)fluoranthene
Concen: 10.64 ng
RT: 15.05 min Scan# 1117
Delta R.T. -0.09 min
Lab File: BF085513.D
Acq: 18 Mar 2016 1:33

Tgt Ion: 252 Resp: 158417
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 13.3 10.4 15.6





#89

Benzo(a)pyrene

Concen: 4.80 ng

RT: 15.41 min Scan# 1148

Delta R.T. -0.07 min

Lab File: BF085513.D

Acq: 18 Mar 2016 1:33

Instrument :

BNA_F

ClientSampleId :

SB-15-COMP

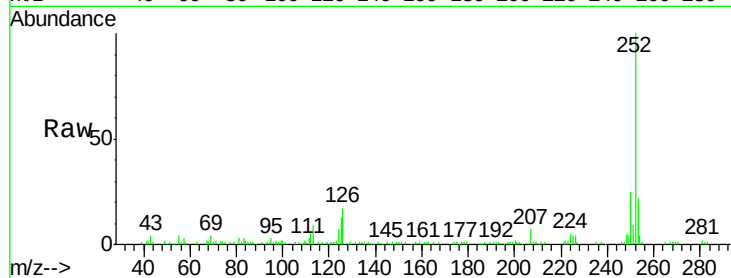
Tgt Ion: 252 Resp: 78830

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

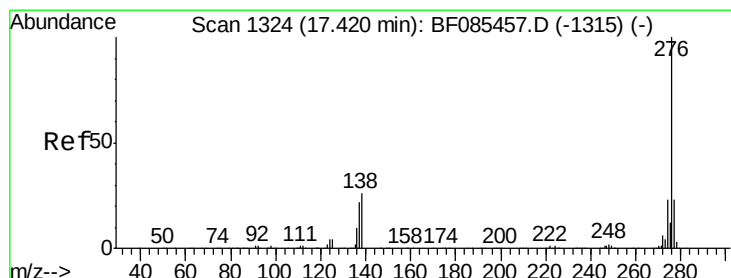
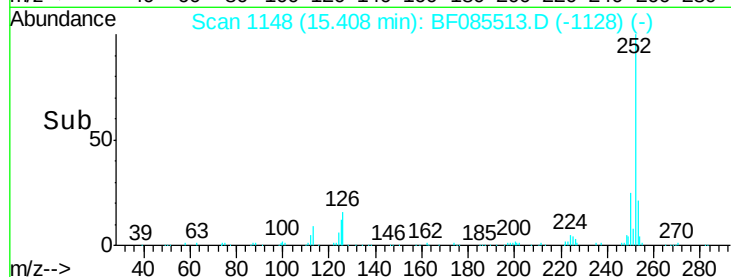
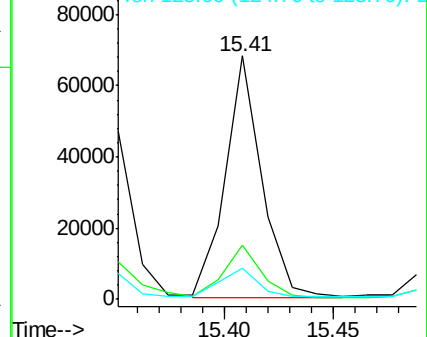
125 12.8 8.2 12.4#



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



#91

Benzo(g,h,i)perylene

Concen: 2.87 ng

RT: 17.31 min Scan# 1314

Delta R.T. -0.11 min

Lab File: BF085513.D

Acq: 18 Mar 2016 1:33

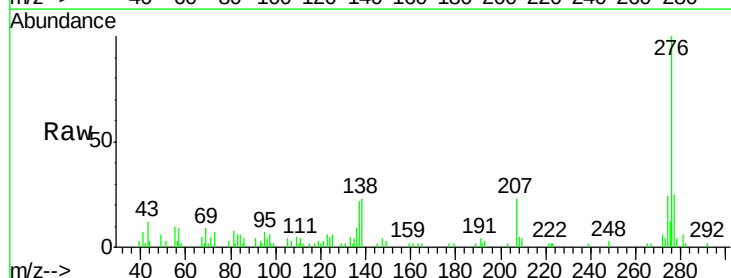
Tgt Ion: 276 Resp: 47025

Ion Ratio Lower Upper

276 100

277 25.5 19.0 28.4

138 22.7 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

