

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
 Data File : BF085427.D
 Acq On : 14 Mar 2016 14:25
 Operator : UM/SJ
 Sample : H1754-10RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-09(0.5-3.0)

Quant Time: Mar 15 00:58:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	192448	20.00	ng	-0.06
21) Naphthalene-d8	8.21	136	755853	20.00	ng	-0.06
38) Acenaphthene-d10	9.97	164	346646	20.00	ng	-0.06
63) Phenanthrene-d10	11.45	188	593405	20.00	ng	-0.06
75) Chrysene-d12	14.09	240	315607	20.00	ng	-0.06
86) Perylene-d12	15.55	264	314685	20.00	ng	-0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1744871	152.08	ng	-0.03
7) Phenol-d6	6.56	99	1934475	128.70	ng	-0.05
23) Nitrobenzene-d5	7.49	82	1300675	92.08	ng	-0.06
41) 2,4,6-Tribromophenol	10.76	330	418584	141.12	ng	-0.06
44) 2-Fluorobiphenyl	9.29	172	1980548	86.89	ng	-0.06
78) Terphenyl-d14	13.04	244	1444406	106.24	ng	-0.05

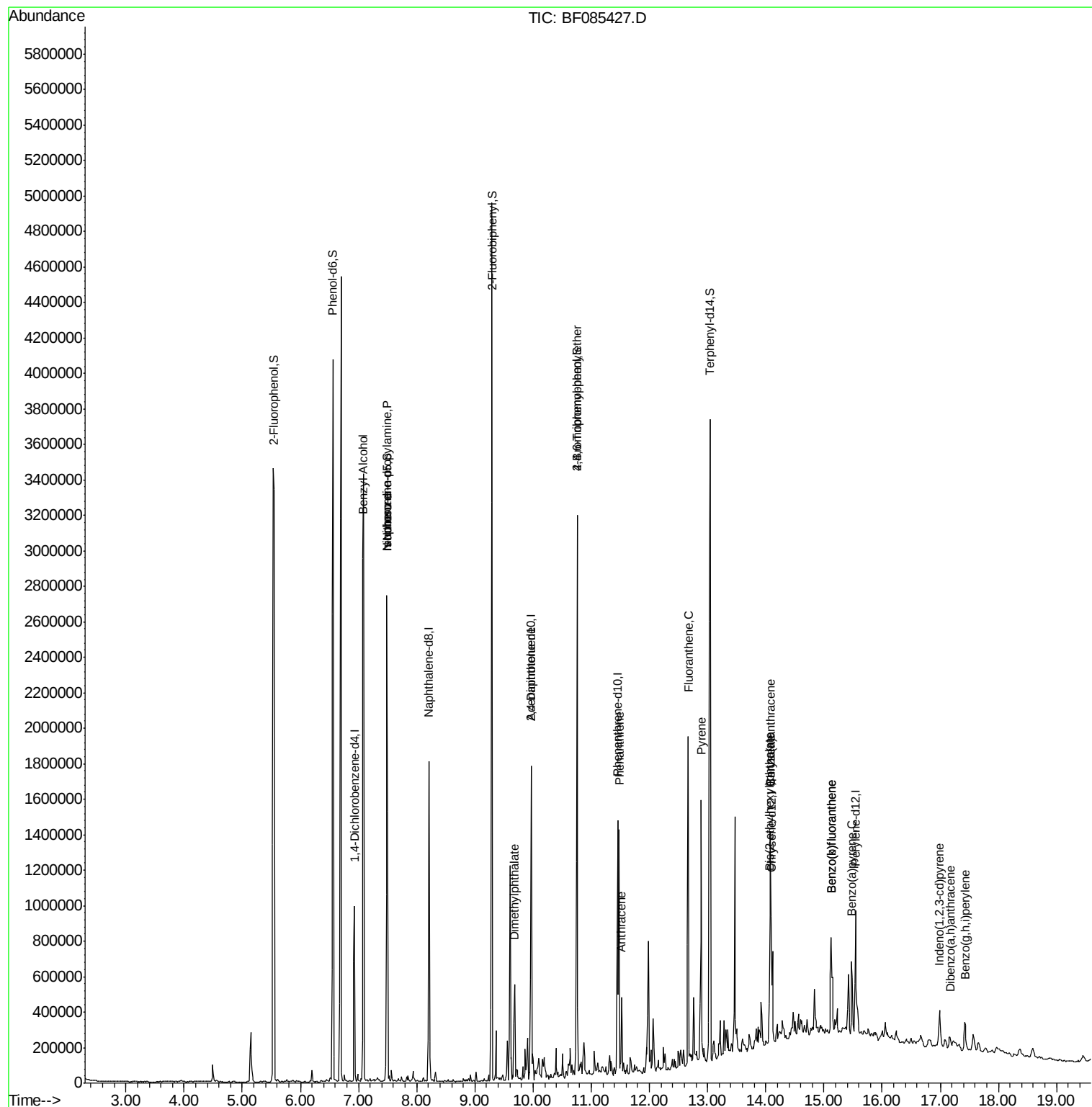
Target Compounds						Qvalue	
9) Benzaldehyde	6.47	77	2529	Below Cal			92
15) Benzyl Alcohol	7.08	79	22187	2.01 ng	#		47
19) n-Nitroso-di-n-propylamine	7.49	70	175178	17.88 ng	#		78
25) Isophorone	7.49	82	1027482	39.25 ng	#		67
49) Dimethylphthalate	9.68	163	253415	9.52 ng			99
56) 2,4-Dinitrotoluene	9.97	165	46289	6.35 ng	#		22
66) 4-Bromophenyl-phenylether	10.76	248	28525	4.95 ng	#		1
70) Phenanthrene	11.48	178	524553	16.87 ng			98
71) Anthracene	11.52	178	156283	4.73 ng			98
74) Fluoranthene	12.66	202	759926	24.35 ng			98
77) Pyrene	12.89	202	651507	27.43 ng			99
80) Benzo(a)anthracene	14.08	228	302888	16.03 ng			97
82) Chrysene	14.08	228	302888	17.35 ng			99
83) Bis(2-ethylhexyl)phthalate	14.07	149	86659	6.11 ng	#		96
85) Indeno(1,2,3-cd)pyrene	16.99	276	142301	10.45 ng			91
87) Benzo(b)fluoranthene	15.12	252	415728	19.82 ng			99
88) Benzo(k)fluoranthene	15.12	252	415728	24.57 ng			99
89) Benzo(a)pyrene	15.48	252	225944	13.00 ng	#		92
90) Dibenzo(a,h)anthracene	17.17	278	30468	2.05 ng			94
91) Benzo(g,h,i)perylene	17.43	276	131384	8.81 ng			95

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

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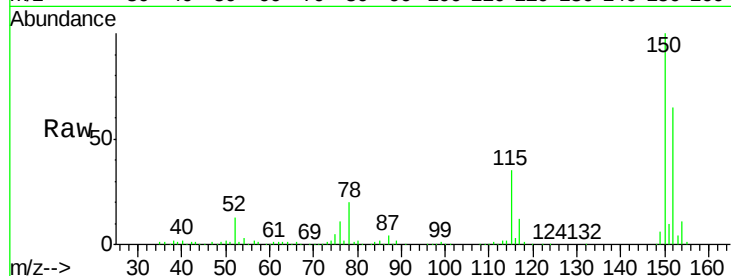




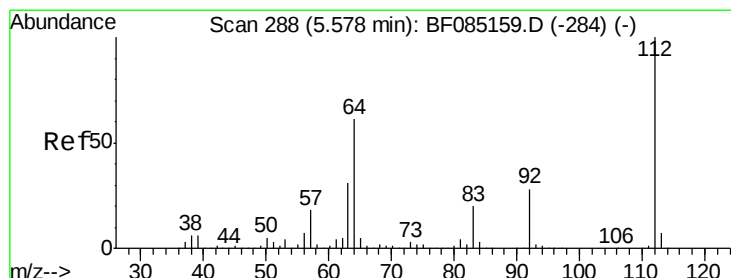
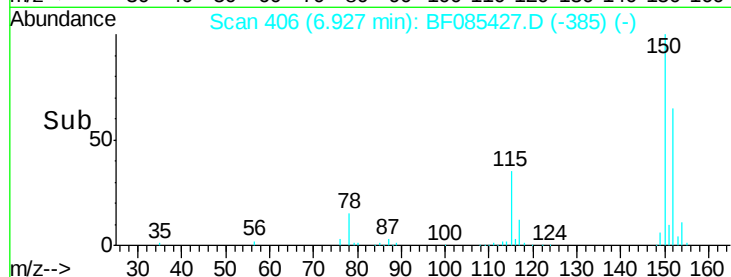
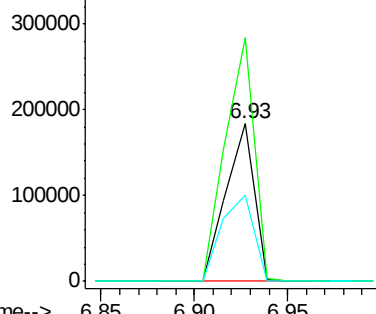
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.93 min Scan# 406
 Delta R.T. -0.06 min
 Lab File: BF085427.D
 Acq: 14 Mar 2016 14:25

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-09(0.5-3.0)

Tgt Ion:152 Resp: 192448
 Ion Ratio Lower Upper
 152 100
 150 154.4 124.6 186.8
 115 54.5 46.6 70.0

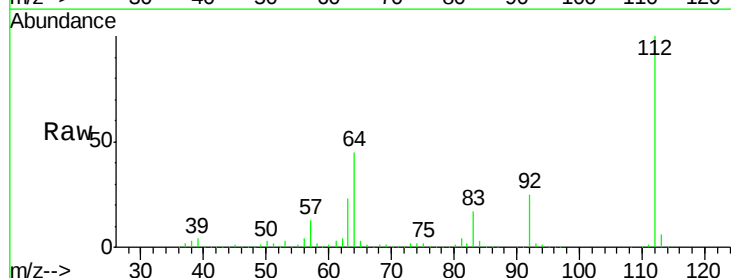


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

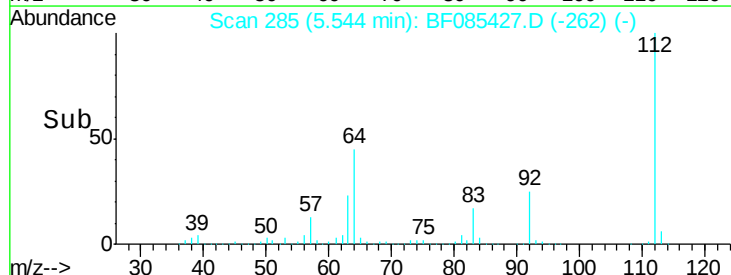
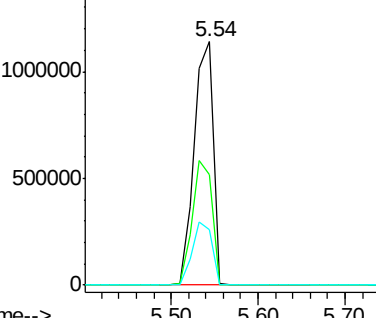


#5
 2-Fluorophenol
 Concen: 152.08 ng
 RT: 5.54 min Scan# 285
 Delta R.T. -0.03 min
 Lab File: BF085427.D
 Acq: 14 Mar 2016 14:25

Tgt Ion:112 Resp: 1744871
 Ion Ratio Lower Upper
 112 100
 64 45.3 49.0 73.4#
 63 23.0 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: 128.70 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-09(0.5-3.0)

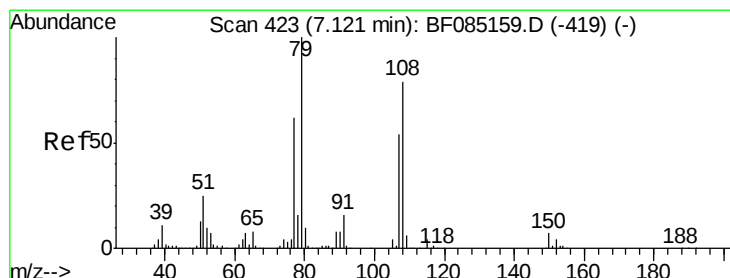
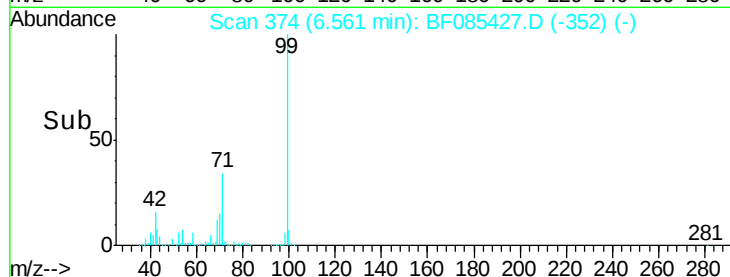
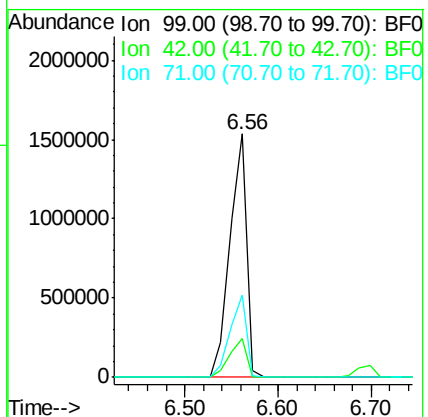
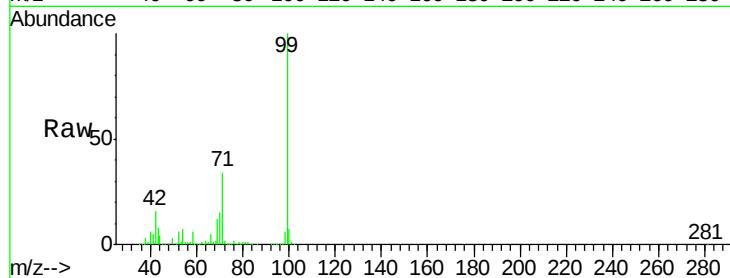
Tgt Ion: 99 Resp: 1934475

Ion Ratio Lower Upper

99 100

42 15.7 13.6 20.4

71 34.0 26.7 40.1



#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 7.08 min Scan# 419

Delta R.T. -0.05 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

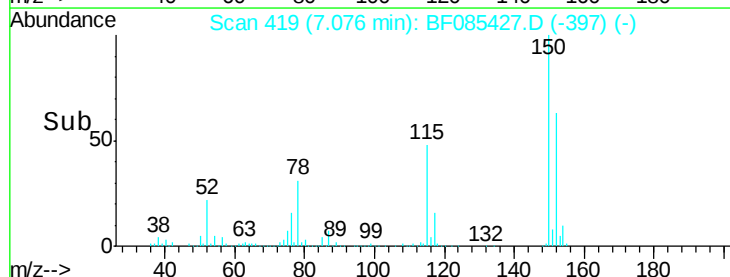
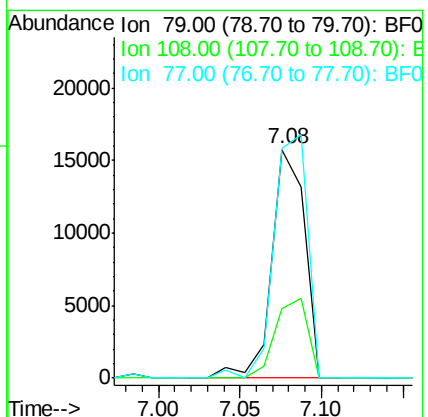
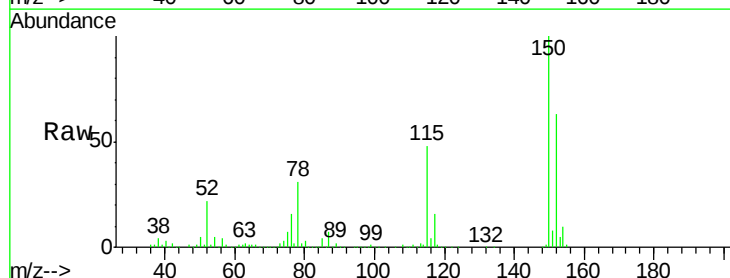
Tgt Ion: 79 Resp: 22187

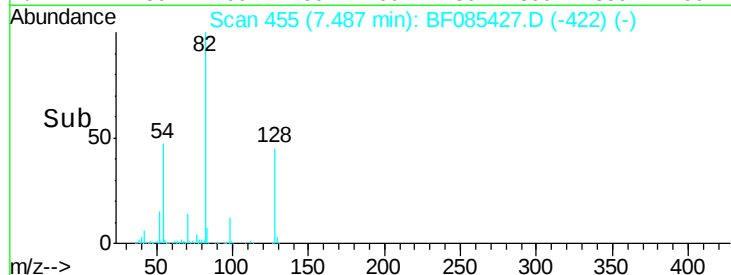
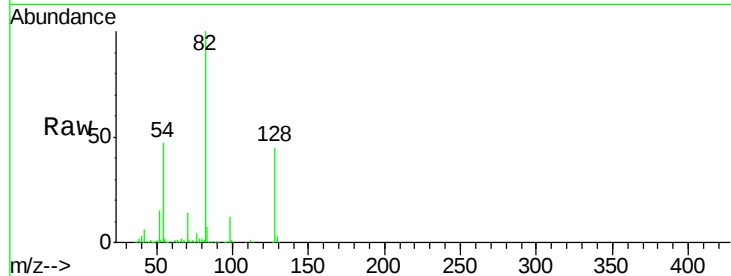
Ion Ratio Lower Upper

79 100

108 30.4 62.9 94.3#

77 100.4 49.5 74.3#

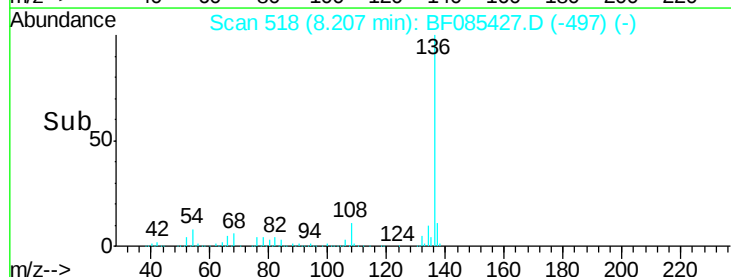
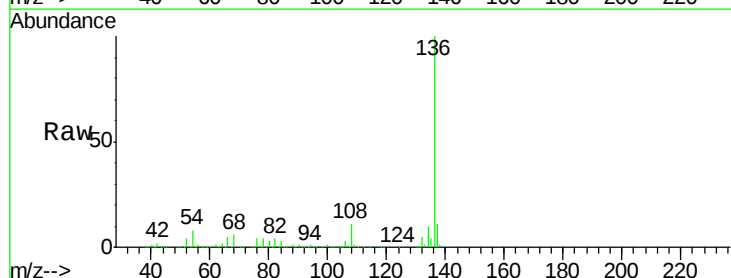
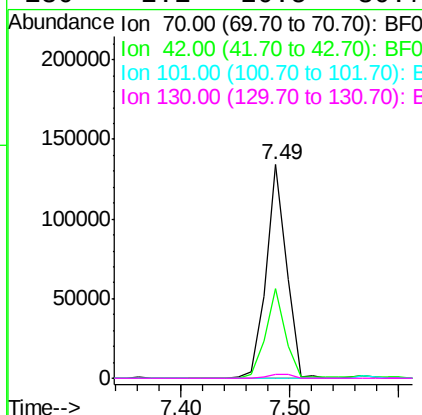




#19
n-Nitroso-di-n-propylamine
Concen: 17.88 ng
RT: 7.49 min Scan# 455
Delta R.T. 0.08 min
Lab File: BF085427.D
Acq: 14 Mar 2016 14:25

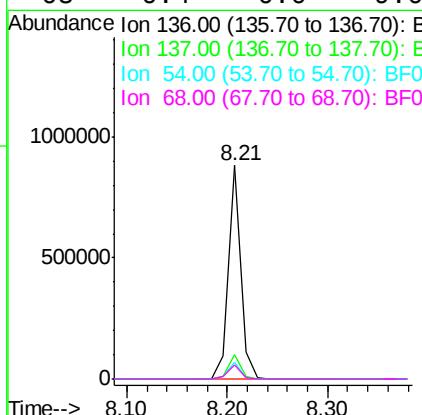
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

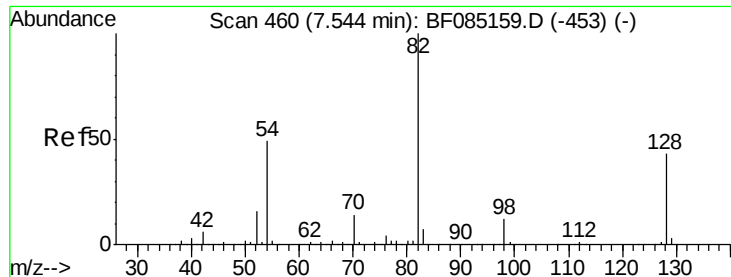
Tgt Ion:	70	Resp:	175178
Ion	Ratio	Lower	Upper
70	100		
42	41.8	37.7	56.5
101	0.0	8.2	12.4#
130	2.1	20.5	30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.21 min Scan# 518
Delta R.T. -0.06 min
Lab File: BF085427.D
Acq: 14 Mar 2016 14:25

Tgt Ion:	136	Resp:	755853
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	7.5	7.4	11.2
68	6.4	6.0	9.0

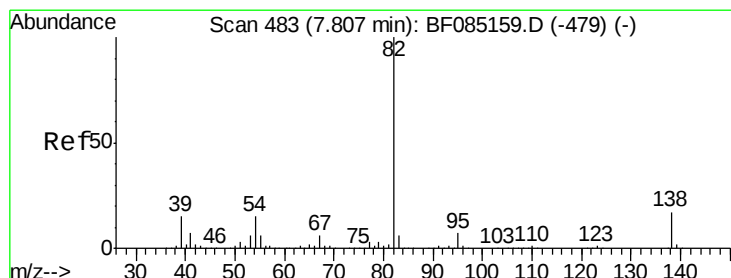
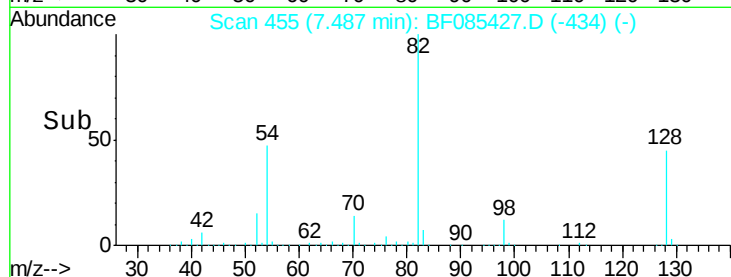
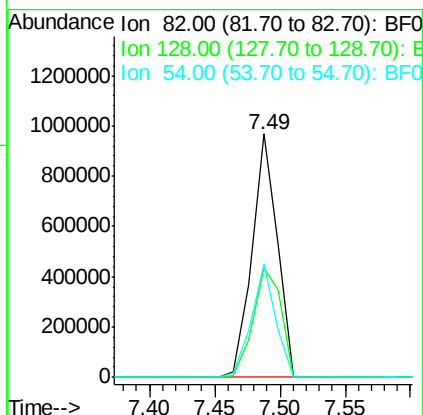
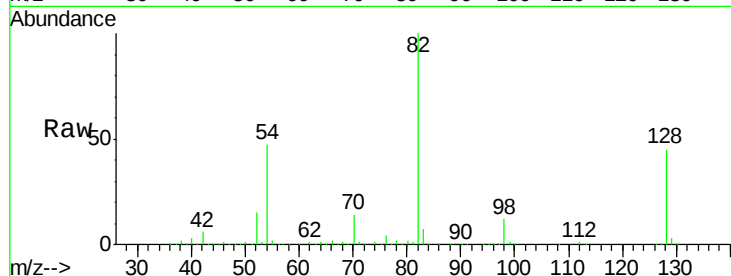




#23
Nitrobenzene-d5
Concen: 92.08 ng
RT: 7.49 min Scan# 455
Delta R.T. -0.06 min
Lab File: BF085427.D
Acq: 14 Mar 2016 14:25

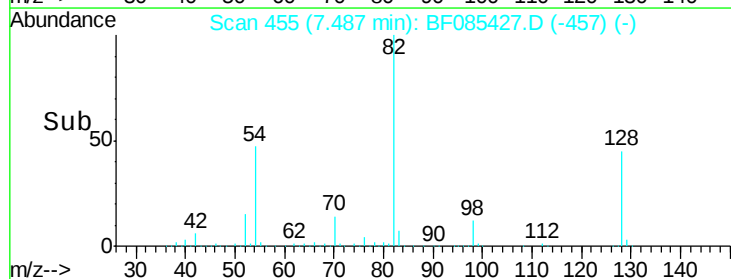
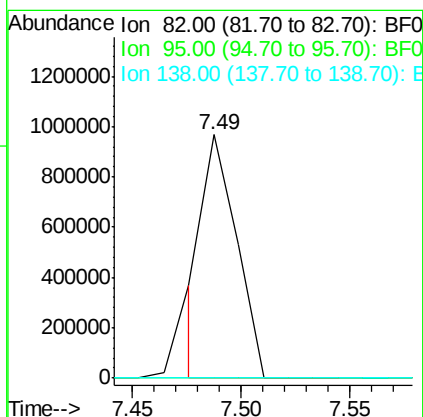
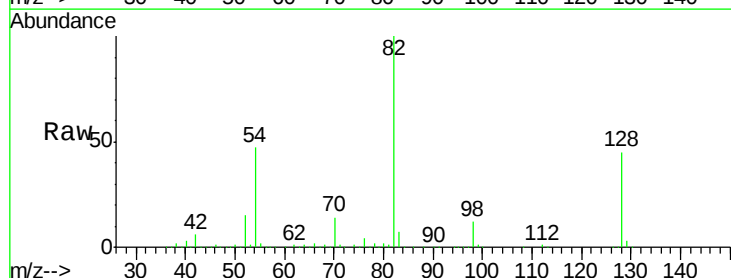
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

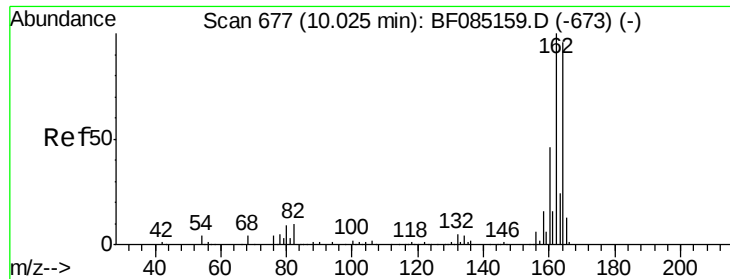
Tgt Ion: 82 Resp: 1300675
Ion Ratio Lower Upper
82 100
128 44.9 34.5 51.7
54 46.6 39.3 58.9



#25
Isophorone
Concen: 39.25 ng
RT: 7.49 min Scan# 455
Delta R.T. -0.32 min
Lab File: BF085427.D
Acq: 14 Mar 2016 14:25

Tgt Ion: 82 Resp: 1027482
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.3 19.9#

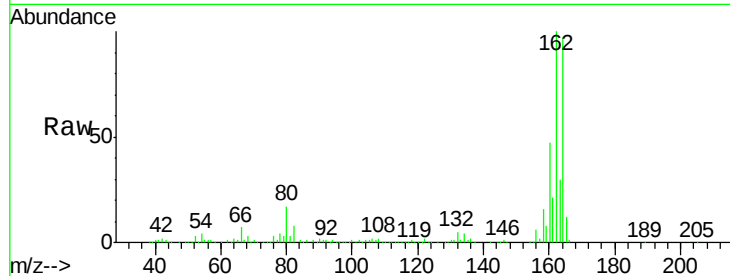




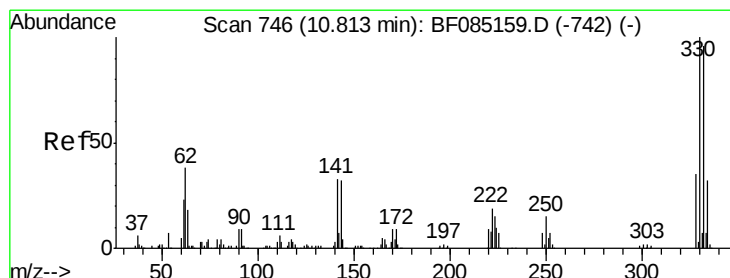
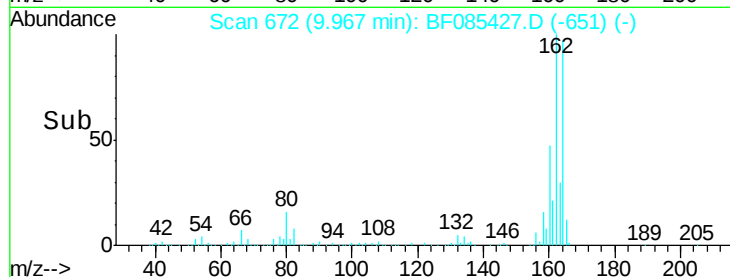
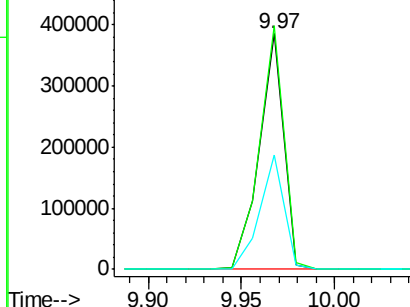
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.97 min Scan# 672
Delta R.T. -0.06 min
Lab File: BF085427.D
Acq: 14 Mar 2016 14:25

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

Tgt Ion:164 Resp: 346646
Ion Ratio Lower Upper
164 100
162 103.2 83.3 124.9
160 48.6 37.9 56.9

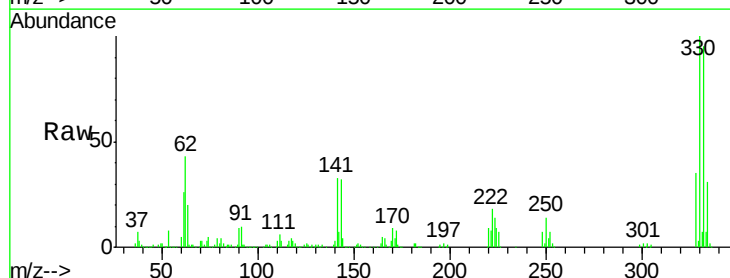


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

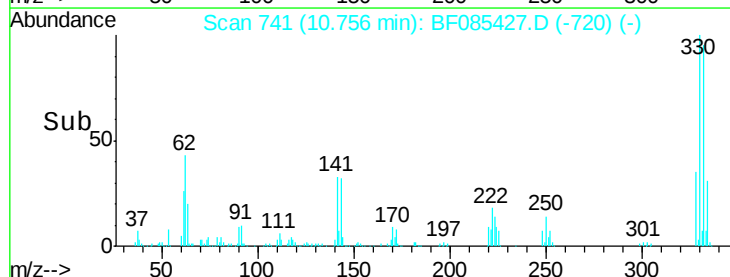
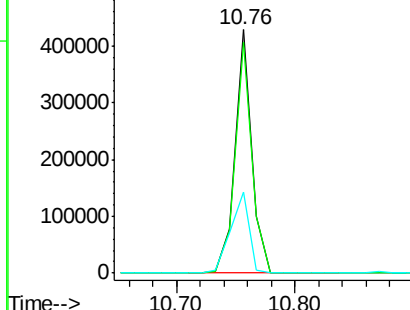


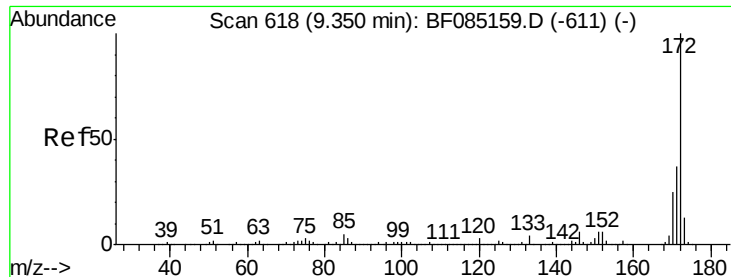
#41
2,4,6-Tribromophenol
Concen: 141.12 ng
RT: 10.76 min Scan# 741
Delta R.T. -0.06 min
Lab File: BF085427.D
Acq: 14 Mar 2016 14:25

Tgt Ion:330 Resp: 418584
Ion Ratio Lower Upper
330 100
332 96.1 77.1 115.7
141 36.8 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

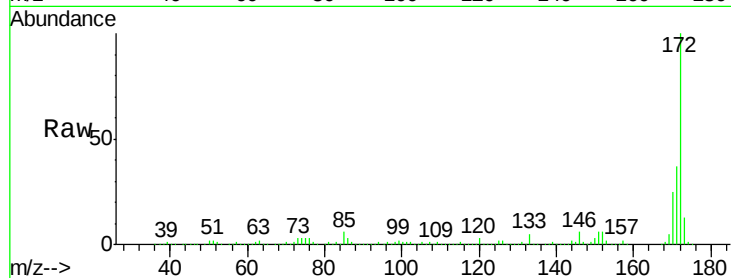




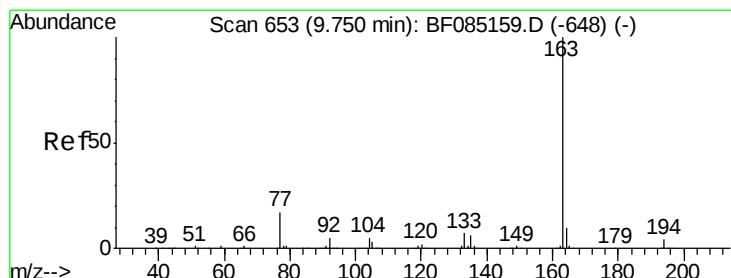
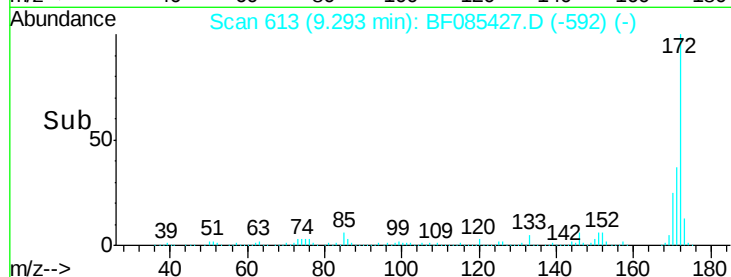
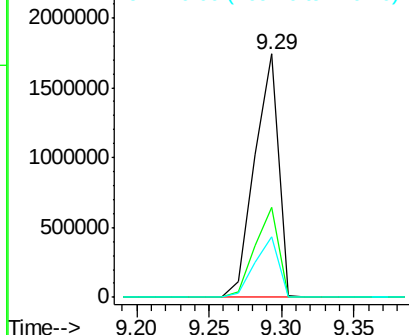
#44
2-Fluorobiphenyl
Concen: 86.89 ng
RT: 9.29 min Scan# 613
Delta R.T. -0.06 min
Lab File: BF085427.D
Acq: 14 Mar 2016 14:25

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-09(0.5-3.0)

Tgt Ion:172 Resp: 1980548
Ion Ratio Lower Upper
172 100
171 37.0 29.3 43.9
170 25.0 20.0 30.0

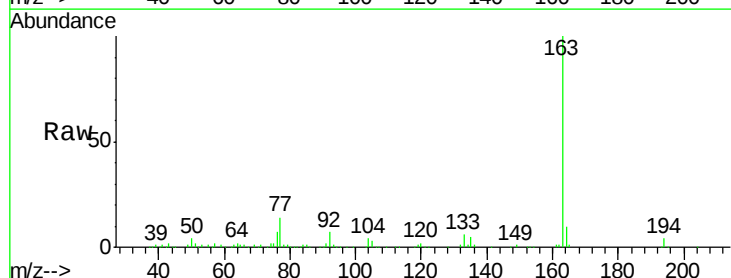


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

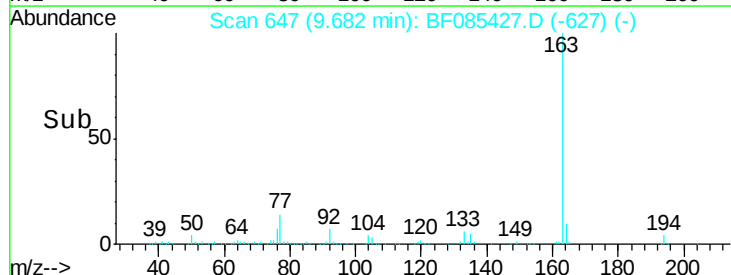
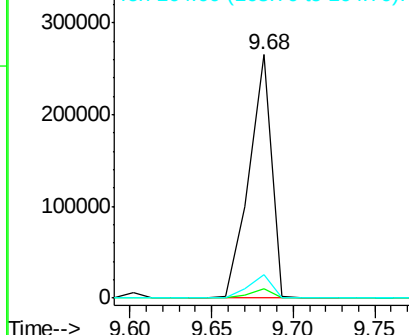


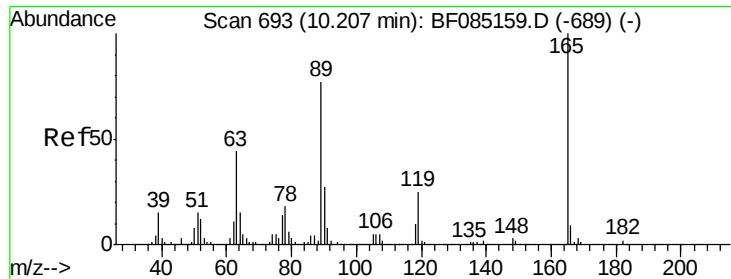
#49
Dimethylphthalate
Concen: 9.52 ng
RT: 9.68 min Scan# 647
Delta R.T. -0.07 min
Lab File: BF085427.D
Acq: 14 Mar 2016 14:25

Tgt Ion:163 Resp: 253415
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 9.6 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

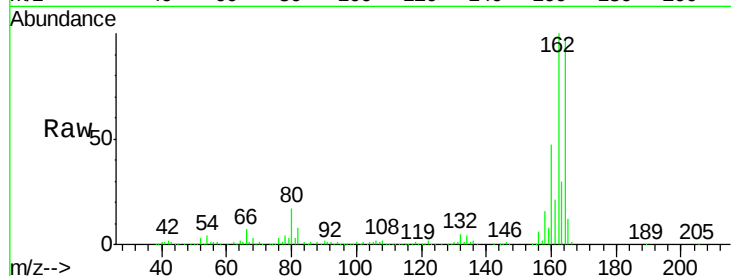




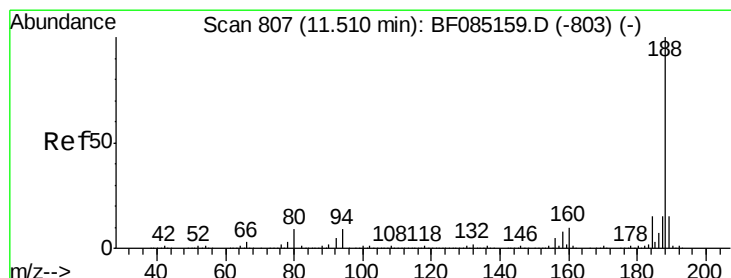
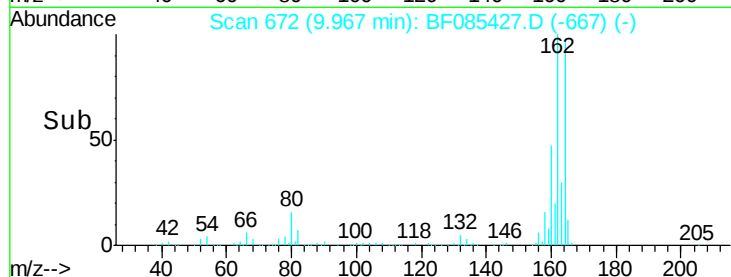
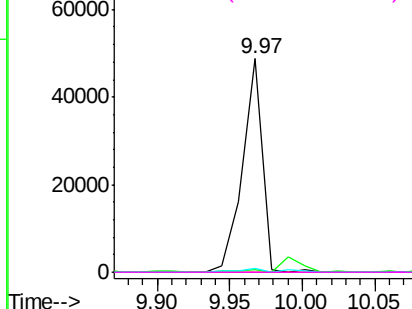
#56
 2,4-Dinitrotoluene
 Concen: 6.35 ng
 RT: 9.97 min Scan# 672
 Delta R.T. -0.24 min
 Lab File: BF085427.D
 Acq: 14 Mar 2016 14:25

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-09(0.5-3.0)

Tgt Ion:165 Resp: 46289
 Ion Ratio Lower Upper
 165 100
 63 1.3 35.4 53.0#
 89 1.8 61.9 92.9#
 182 0.0 1.9 2.9#

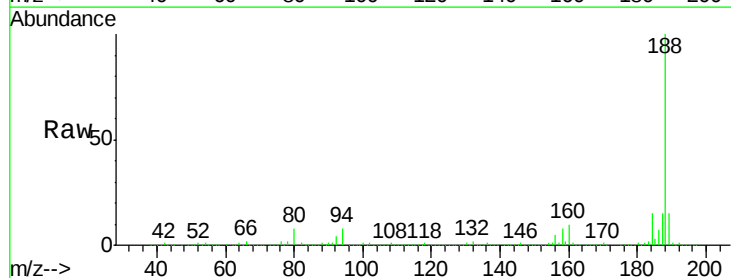


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

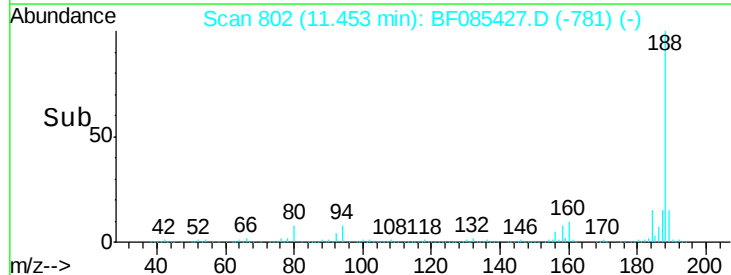
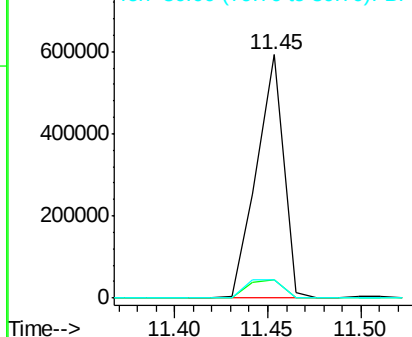


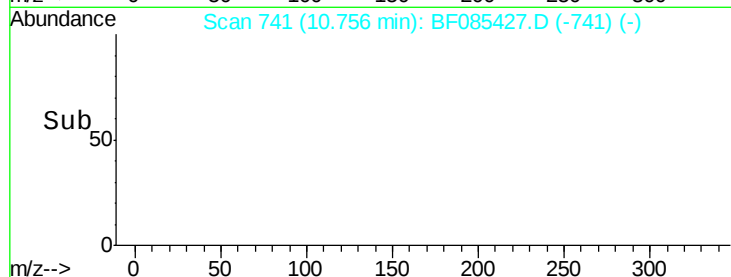
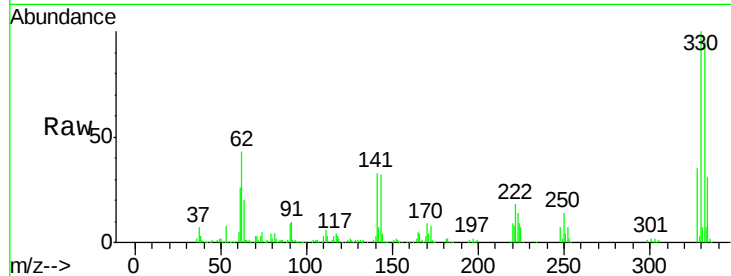
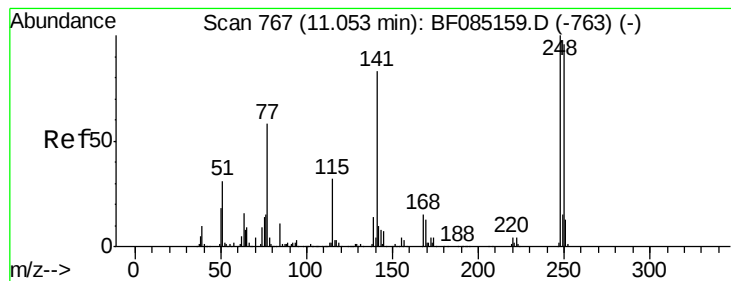
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 802
 Delta R.T. -0.06 min
 Lab File: BF085427.D
 Acq: 14 Mar 2016 14:25

Tgt Ion:188 Resp: 593405
 Ion Ratio Lower Upper
 188 100
 94 7.7 7.0 10.6
 80 7.6 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: 4.95 ng

RT: 10.76 min Scan# 741

Delta R.T. -0.30 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-09(0.5-3.0)

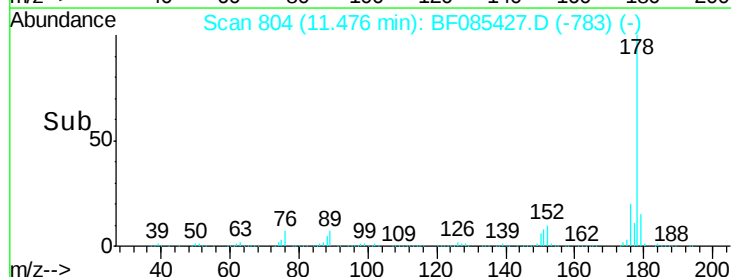
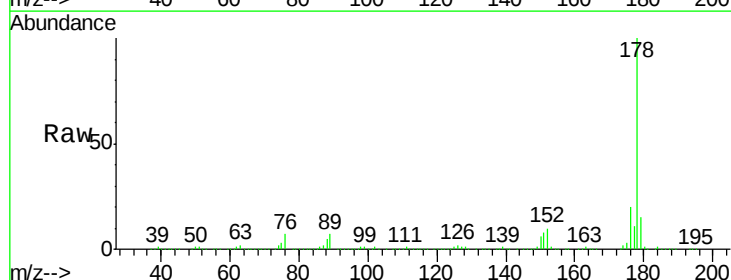
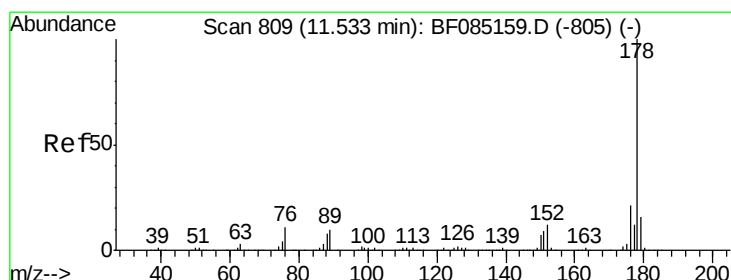
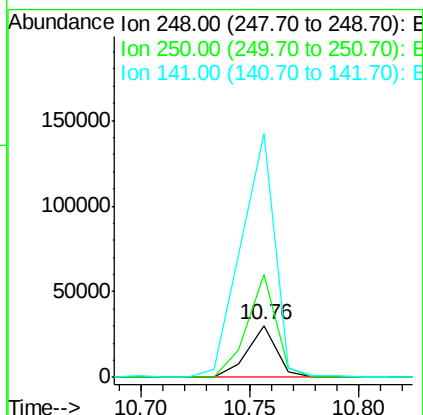
Tgt Ion:248 Resp: 28525

Ion Ratio Lower Upper

248 100

250 199.0 77.1 115.7#

141 469.2 66.2 99.2#



#70

Phenanthrene

Concen: 16.87 ng

RT: 11.48 min Scan# 804

Delta R.T. -0.06 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

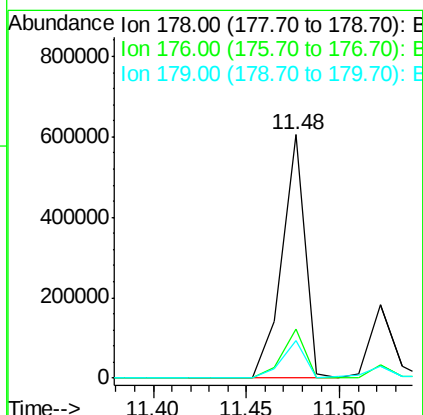
Tgt Ion:178 Resp: 524553

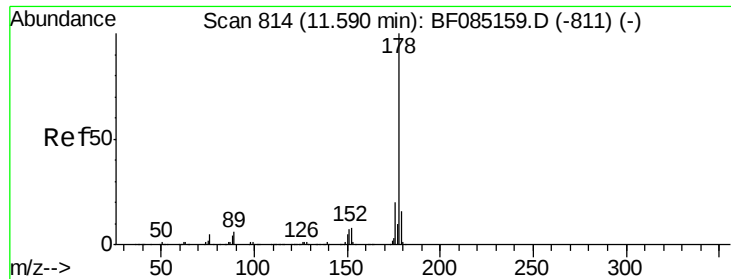
Ion Ratio Lower Upper

178 100

176 20.0 16.8 25.2

179 15.3 13.1 19.7

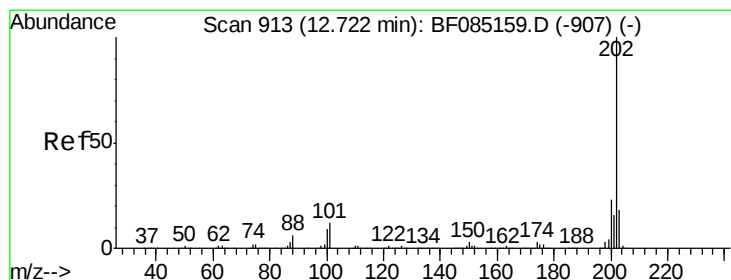
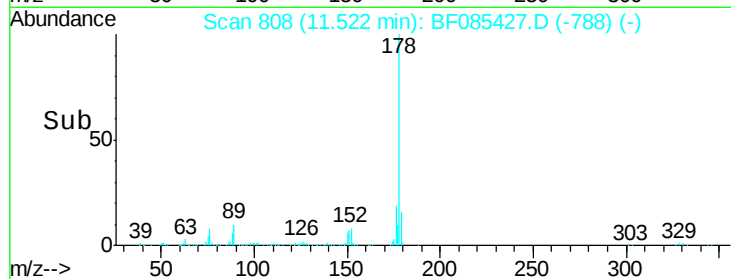
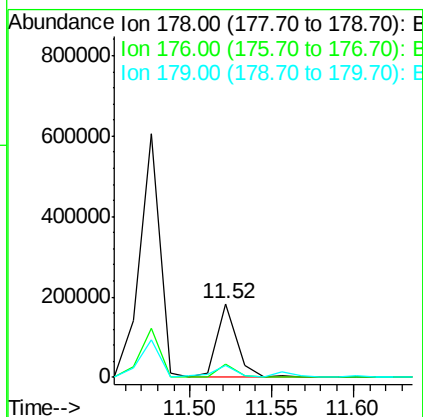
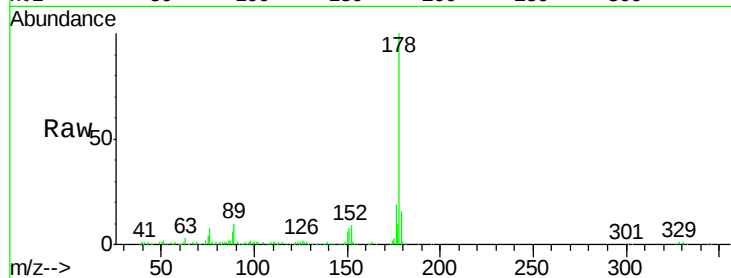




#71
 Anthracene
 Concen: 4.73 ng
 RT: 11.52 min Scan# 808
 Delta R.T. -0.07 min
 Lab File: BF085427.D
 Acq: 14 Mar 2016 14:25

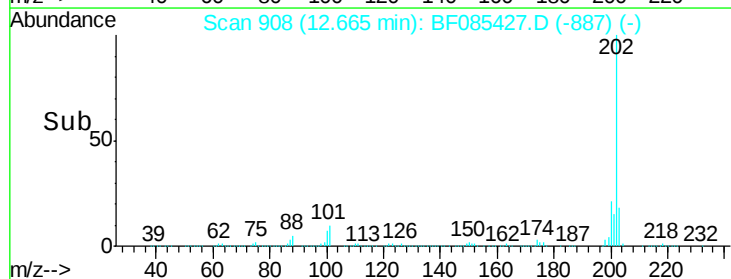
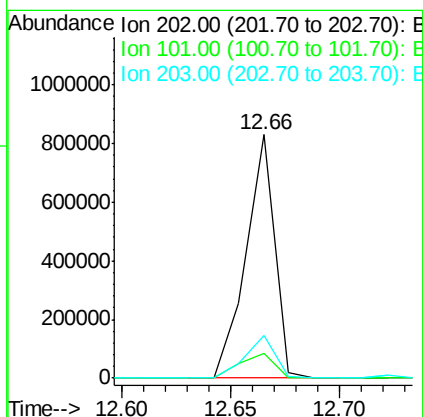
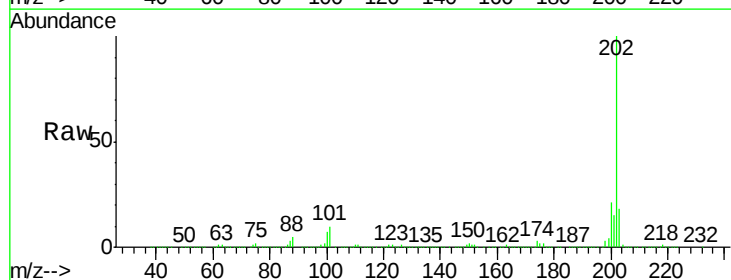
Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-09(0.5-3.0)

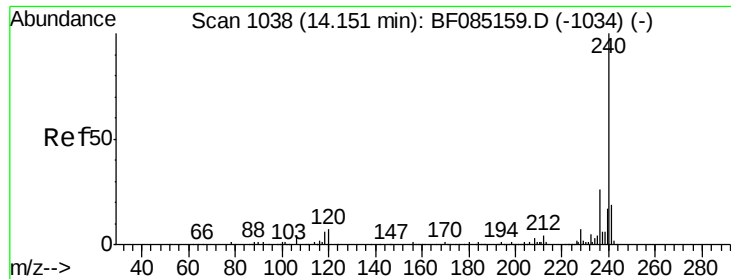
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.9	23.9
179	15.7	12.5	18.7



#74
 Fluoranthene
 Concen: 24.35 ng
 RT: 12.66 min Scan# 908
 Delta R.T. -0.06 min
 Lab File: BF085427.D
 Acq: 14 Mar 2016 14:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.8
203	17.7	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 1033

Delta R.T. -0.06 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-09(0.5-3.0)

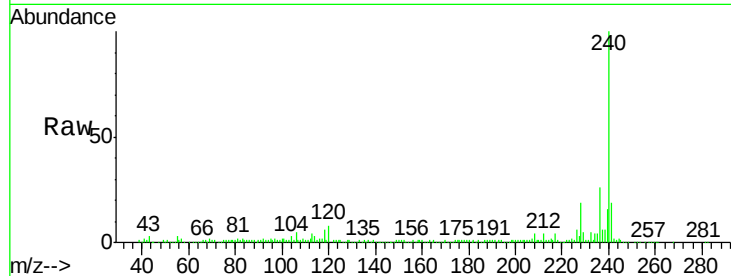
Tgt Ion:240 Resp: 315607

Ion Ratio Lower Upper

240 100

120 7.6 5.3 7.9

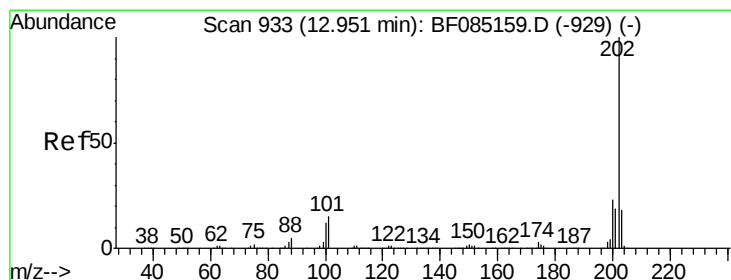
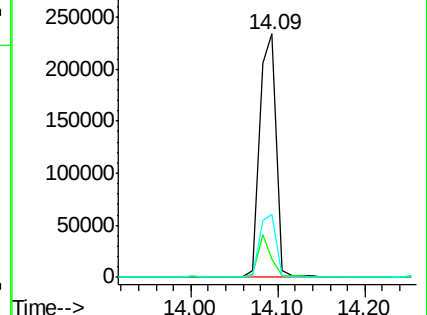
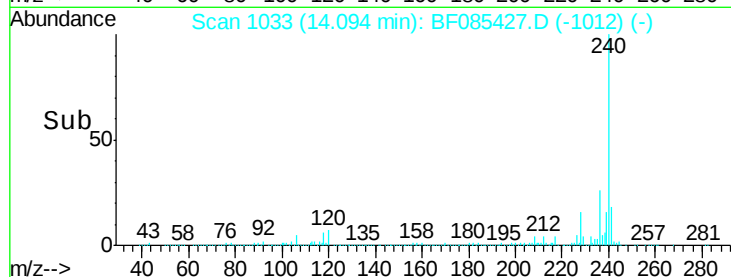
236 26.2 20.7 31.1



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: 27.43 ng

RT: 12.89 min Scan# 928

Delta R.T. -0.06 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

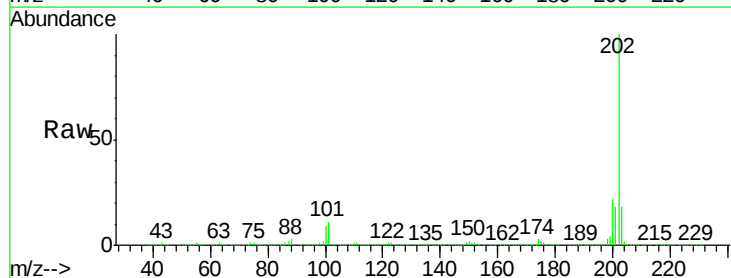
Tgt Ion:202 Resp: 651507

Ion Ratio Lower Upper

202 100

200 22.4 18.2 27.4

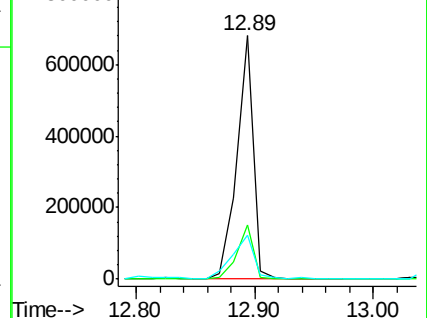
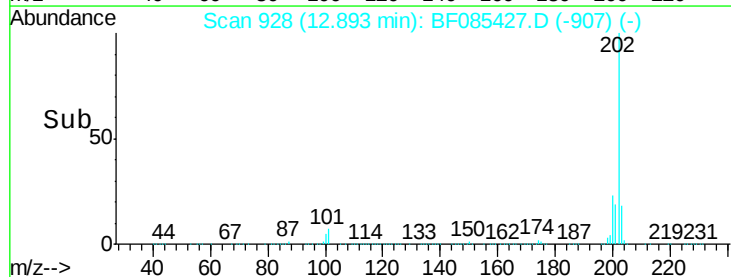
203 18.2 14.7 22.1

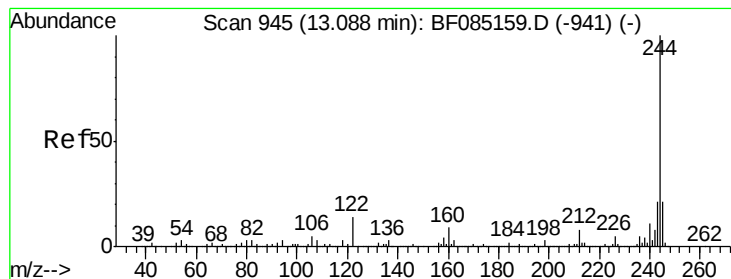


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 106.24 ng

RT: 13.04 min Scan# 941

Delta R.T. -0.05 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-09(0.5-3.0)

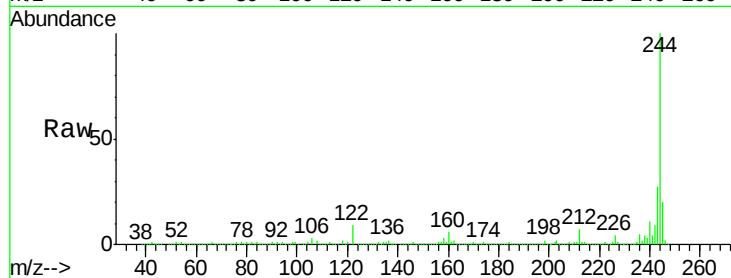
Tgt Ion:244 Resp: 1444406

Ion Ratio Lower Upper

244 100

212 7.0 6.4 9.6

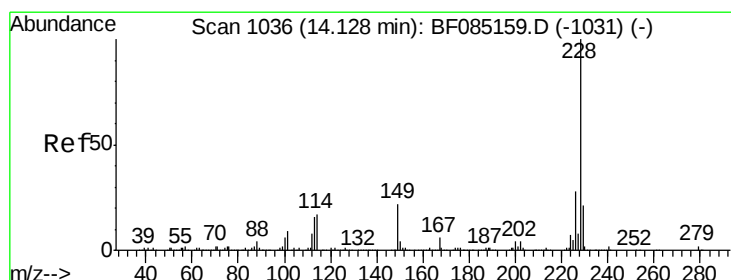
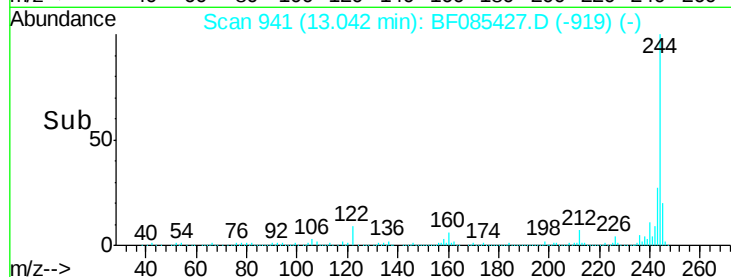
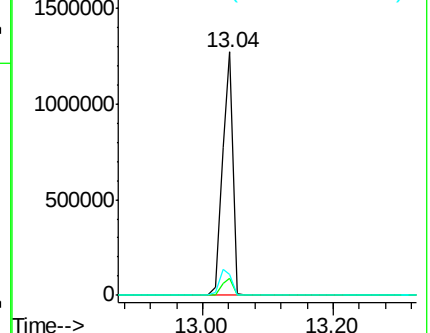
122 8.7 11.4 17.2#



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: 16.03 ng

RT: 14.08 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

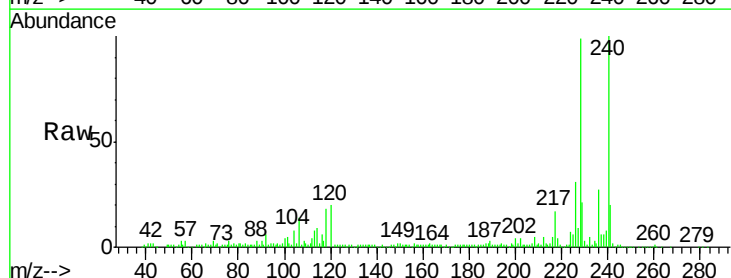
Tgt Ion:228 Resp: 302888

Ion Ratio Lower Upper

228 100

226 31.3 22.8 34.2

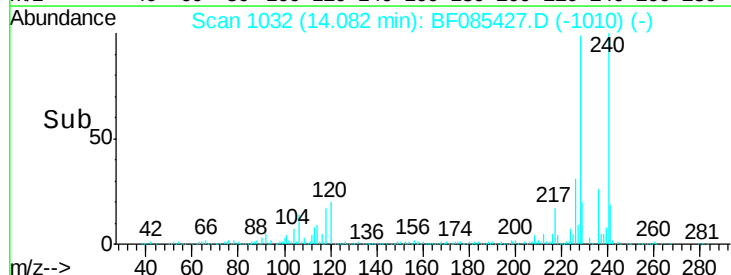
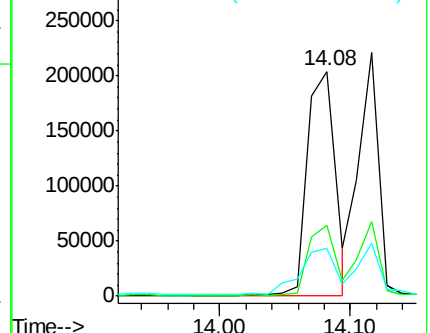
229 21.1 16.6 24.8

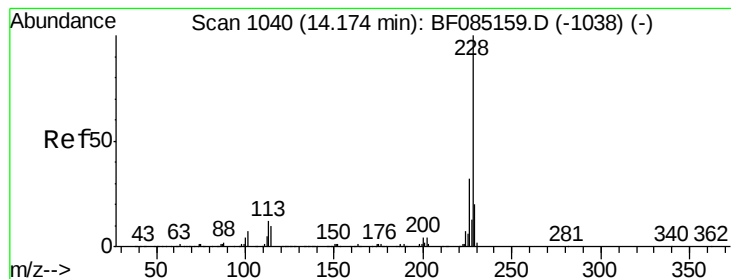


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 17.35 ng

RT: 14.08 min Scan# 1032

Delta R.T. -0.09 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-09(0.5-3.0)

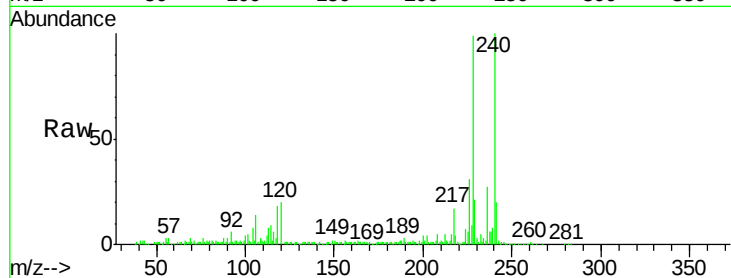
Tgt Ion:228 Resp: 302888

Ion Ratio Lower Upper

228 100

226 31.3 25.2 37.8

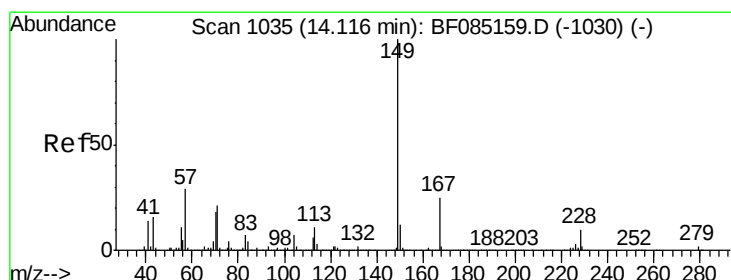
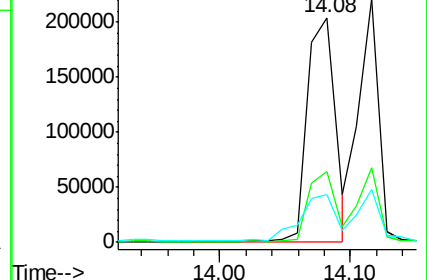
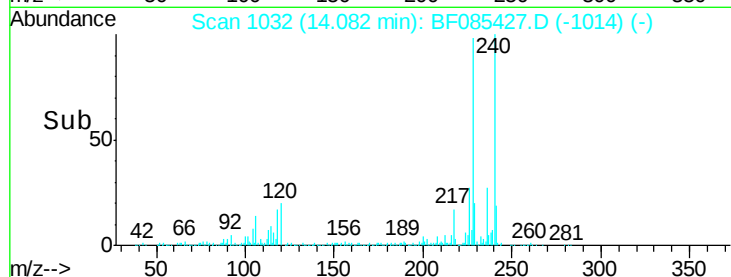
229 21.1 16.0 24.0



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: 6.11 ng

RT: 14.07 min Scan# 1031

Delta R.T. -0.05 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

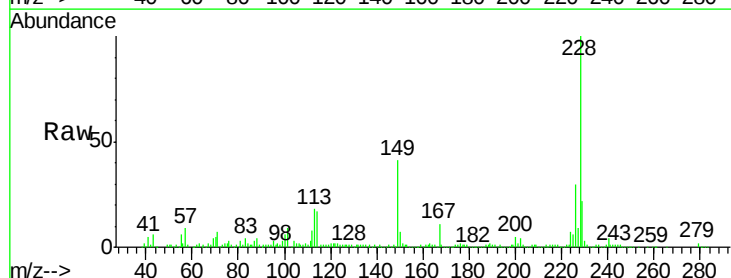
Tgt Ion:149 Resp: 86659

Ion Ratio Lower Upper

149 100

167 27.5 20.3 30.5

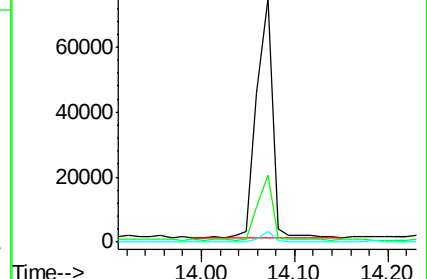
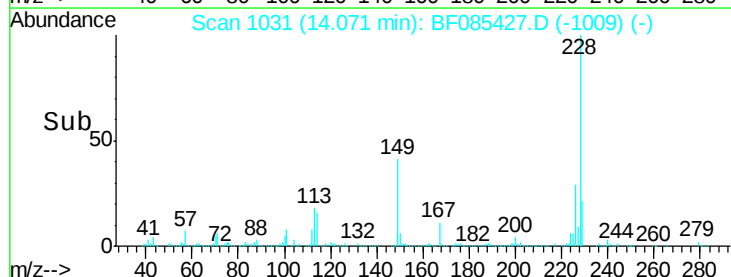
279 4.2 1.9 2.9#

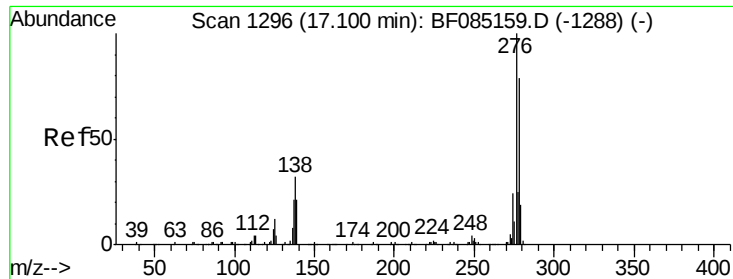


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

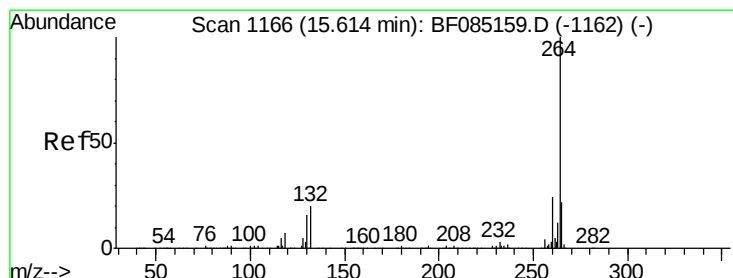
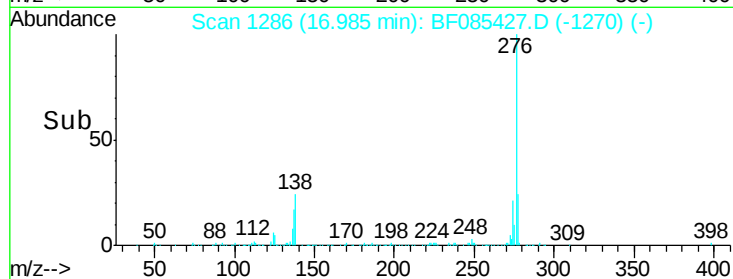
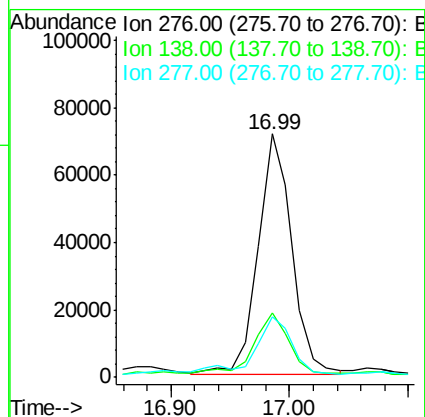
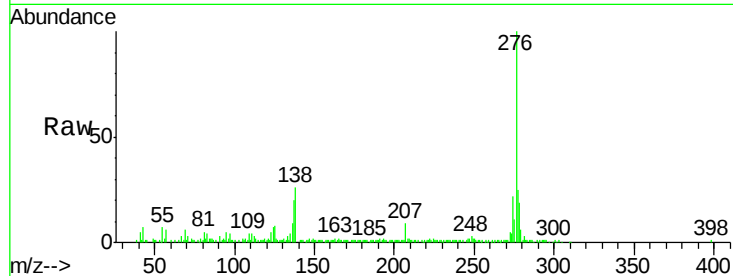




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.45 ng
 RT: 16.99 min Scan# 1286
 Delta R.T. -0.11 min
 Lab File: BF085427.D
 Acq: 14 Mar 2016 14:25

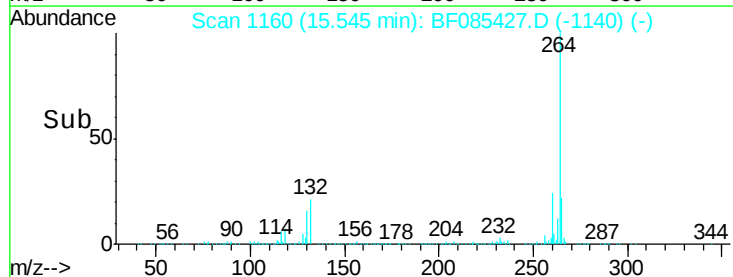
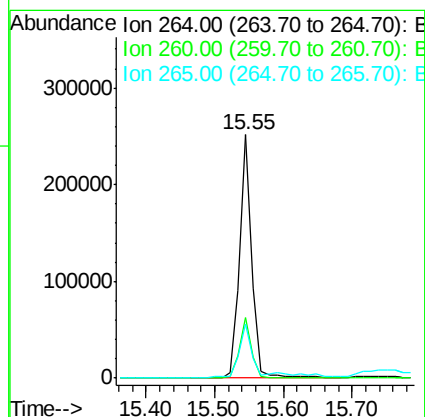
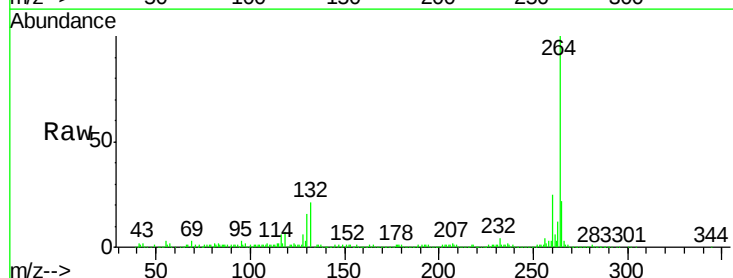
Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-09(0.5-3.0)

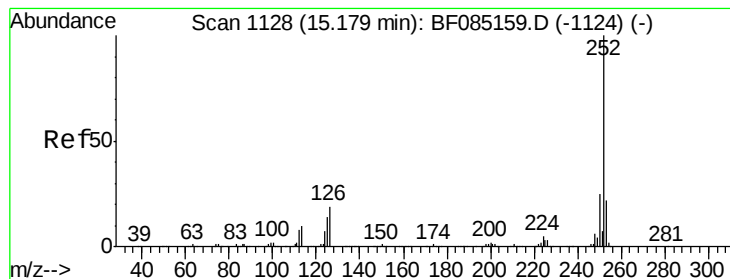
Tgt Ion:276 Resp: 142301
 Ion Ratio Lower Upper
 276 100
 138 27.7 26.4 39.6
 277 29.1 20.2 30.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.55 min Scan# 1160
 Delta R.T. -0.07 min
 Lab File: BF085427.D
 Acq: 14 Mar 2016 14:25

Tgt Ion:264 Resp: 314685
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.2 28.8
 265 22.3 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 19.82 ng

RT: 15.12 min Scan# 1123

Delta R.T. -0.06 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-09(0.5-3.0)

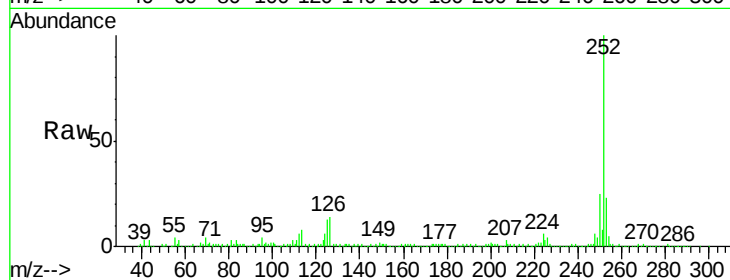
Tgt Ion:252 Resp: 415728

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

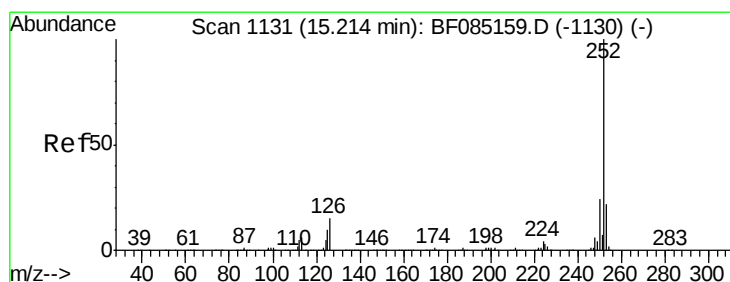
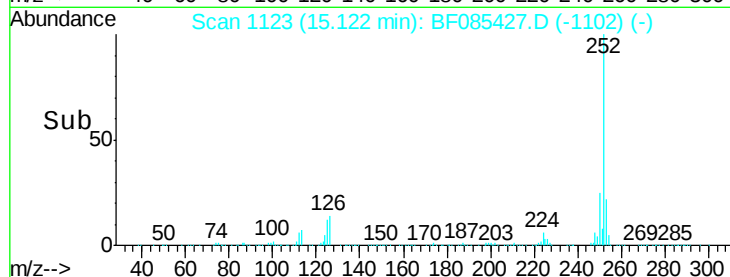
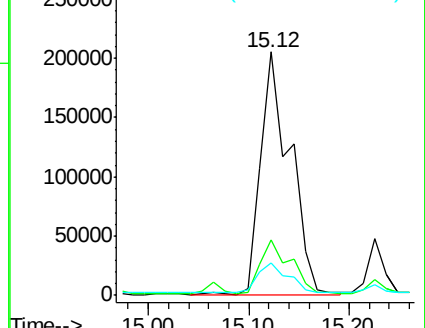
125 13.1 11.3 16.9



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: 24.57 ng

RT: 15.12 min Scan# 1123

Delta R.T. -0.09 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

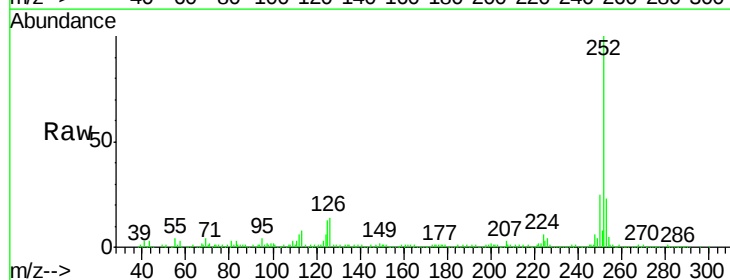
Tgt Ion:252 Resp: 415728

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

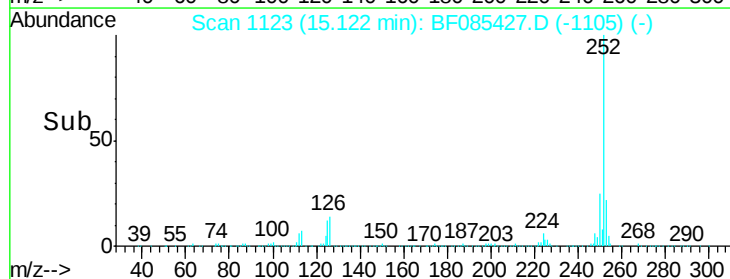
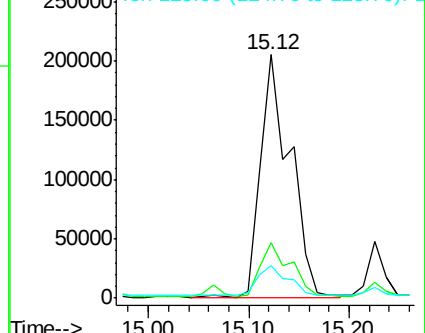
125 13.1 10.4 15.6

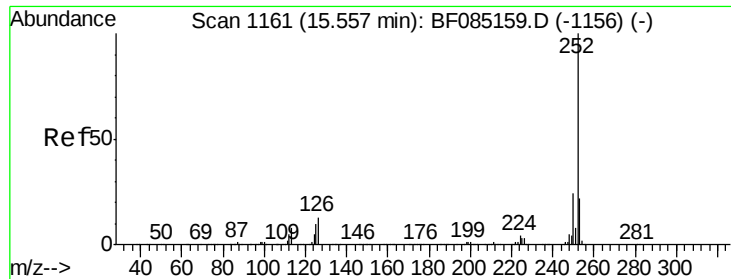


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 13.00 ng

RT: 15.48 min Scan# 1154

Delta R.T. -0.08 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-09(0.5-3.0)

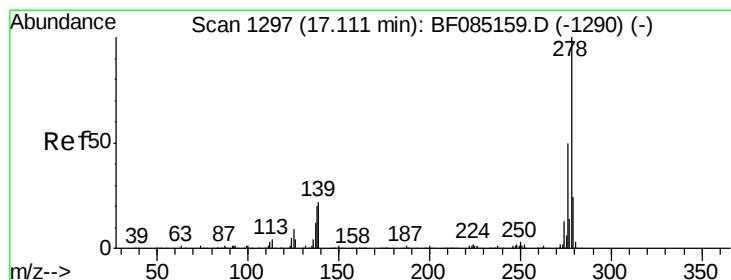
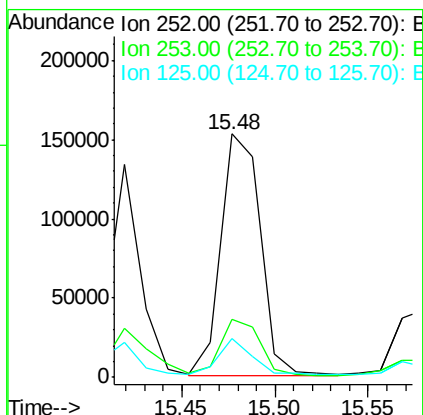
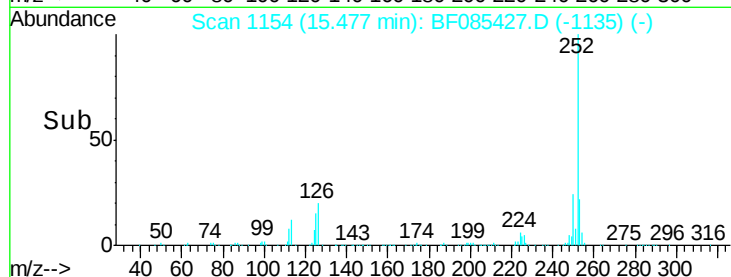
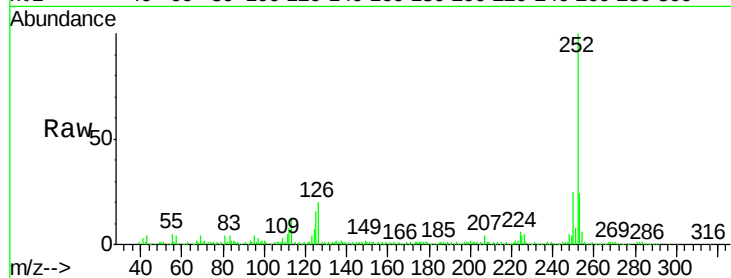
Tgt Ion:252 Resp: 225944

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.0

125 16.0 8.2 12.4#



#90

Dibenzo(a,h)anthracene

Concen: 2.05 ng

RT: 17.17 min Scan# 1302

Delta R.T. 0.06 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

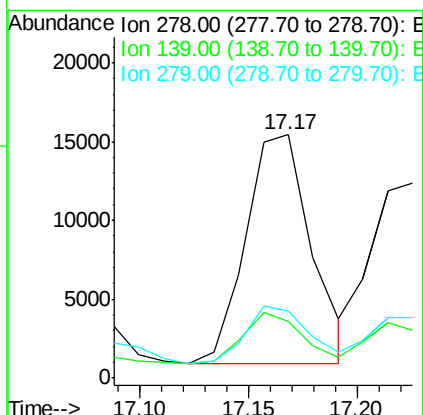
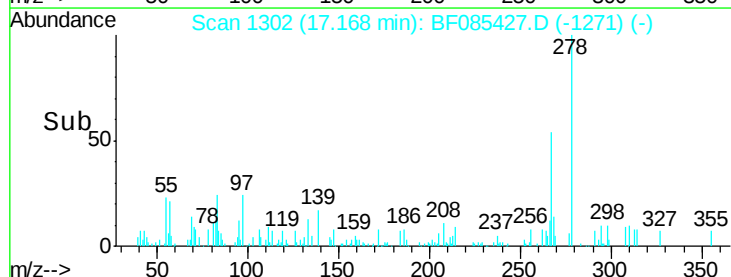
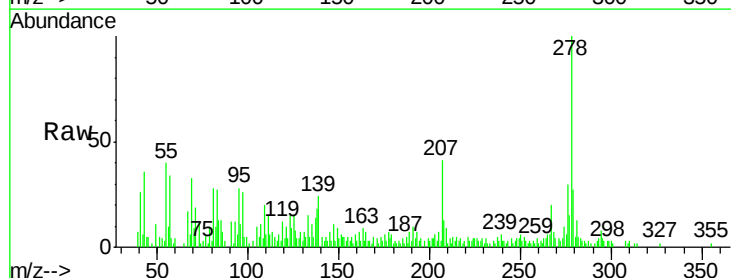
Tgt Ion:278 Resp: 30468

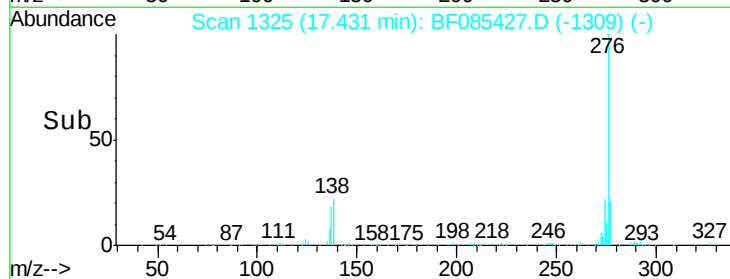
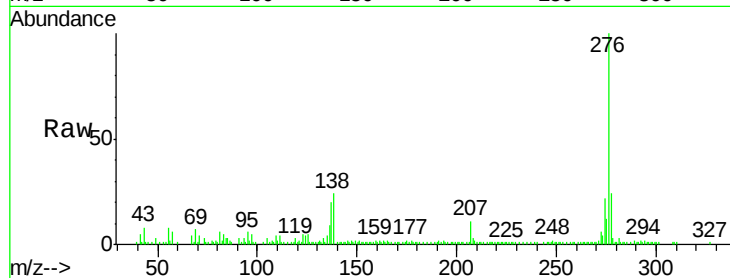
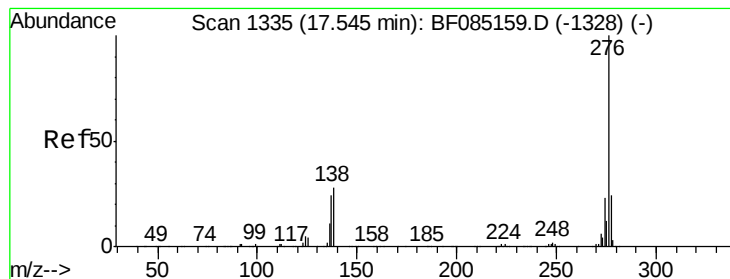
Ion Ratio Lower Upper

278 100

139 23.5 17.3 25.9

279 27.4 19.2 28.8





#91

Benzo(g,h,i)perylene

Concen: 8.81 ng

RT: 17.43 min Scan# 1325

Delta R.T. -0.11 min

Lab File: BF085427.D

Acq: 14 Mar 2016 14:25

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-09(0.5-3.0)

Tgt Ion: 276 Resp: 131384

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.4

138 23.9 22.5 33.7

