

Data Path : Z:\HPCHEM1\BNA F\Data\BF031716\
 Data File : BF085527.D
 Acq On : 18 Mar 2016 9:41
 Operator : UM/SJ
 Sample : H1776-14
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 18 10:22:49 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	164131	20.00	ng	-0.05
21) Naphthalene-d8	8.15	136	613642	20.00	ng	-0.06
38) Acenaphthene-d10	9.91	164	280665	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	468862	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	275918	20.00	ng	-0.06
86) Perylene-d12	15.47	264	269077	20.00	ng	-0.07

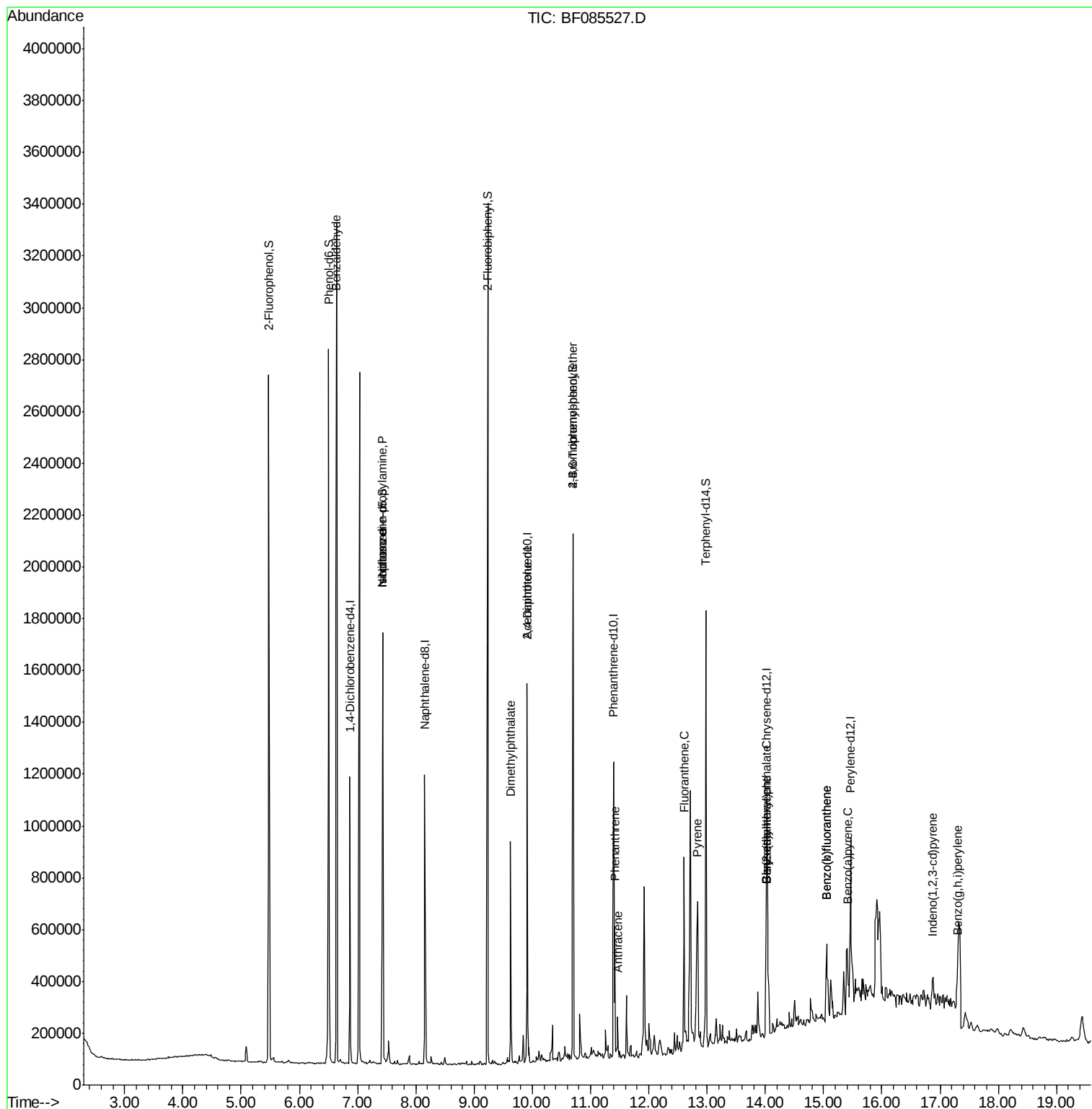
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	1048285	109.79	ng	-0.03
7) Phenol-d6	6.50	99	1180875	95.34	ng	-0.05
23) Nitrobenzene-d5	7.43	82	853498	82.24	ng	-0.06
41) 2,4,6-Tribromophenol	10.70	330	244524	94.59	ng	-0.06
44) 2-Fluorobiphenyl	9.24	172	1217343	75.25	ng	-0.05
78) Terphenyl-d14	12.97	244	704711	57.78	ng	-0.06

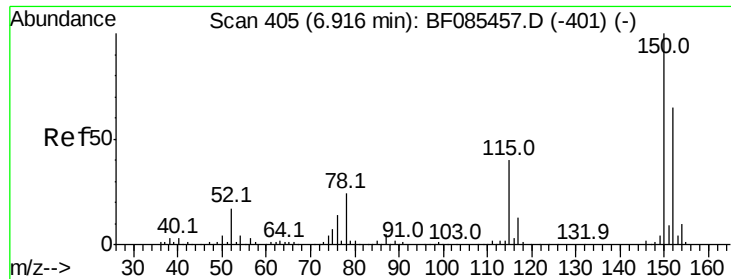
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.64	77	24506	3.54	ng	88
19) n-Nitroso-di-n-propylamine	7.43	70	109211	14.72	ng	# 78
25) Isophorone	7.43	82	736519	34.80	ng	# 67
49) Dimethylphthalate	9.62	163	328565	16.05	ng	99
56) 2,4-Dinitrotoluene	9.91	165	37201	6.56	ng	# 22
66) 4-Bromophenyl-phenylether	10.70	248	17373	3.66	ng	# 1
70) Phenanthrene	11.42	178	207134	8.48	ng	96
71) Anthracene	11.46	178	58483	2.35	ng	98
74) Fluoranthene	12.61	202	344313	15.00	ng	96
77) Pyrene	12.84	202	302396	14.61	ng	97
80) Benzo(a)anthracene	14.01	228	149397	9.44	ng	99
82) Chrysene	14.01	228	149397	10.50	ng	95
83) Bis(2-ethylhexyl)phthalate	14.01	149	27291	2.47	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.87	276	70309	5.21	ng	91
87) Benzo(b)fluoranthene	15.05	252	219884	12.51	ng	99
88) Benzo(k)fluoranthene	15.05	252	219884	15.98	ng	100
89) Benzo(a)pyrene	15.41	252	121174	7.98	ng	98
91) Benzo(g,h,i)perylene	17.29	276	69580	4.59	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: BF085527.D

Acq: 18 Mar 2016 9:41

Instrument :
BNA_F
ClientSampleId :

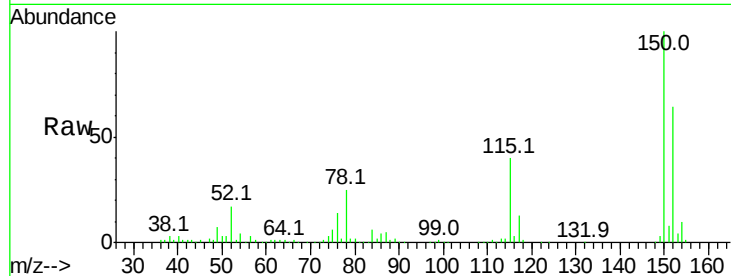
Tot Ion:152 Resp: 164131

Ion Ratio Lower Upper

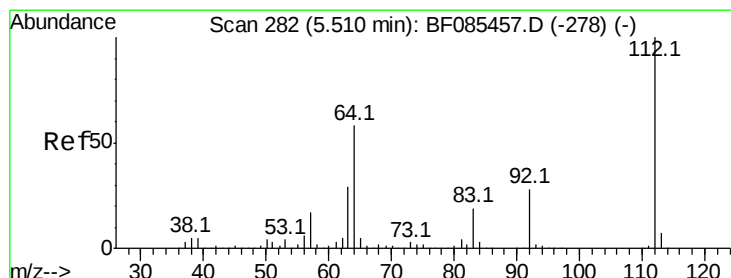
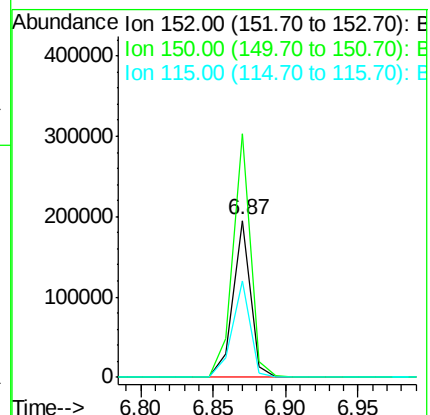
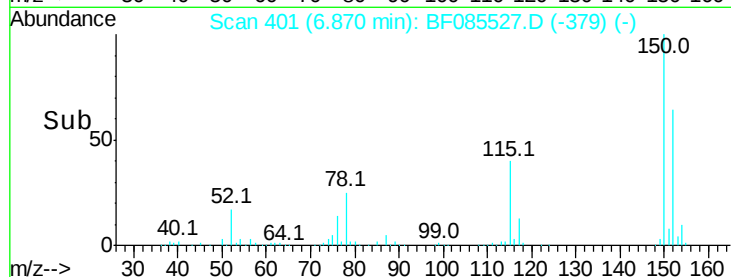
152 100

150 155.2 124.6 186.8

115 61.7 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: 109.79 ng

RT: 5.48 min Scan# 279

Delta R.T. -0.03 min

Lab File: BF085527.D

Acq: 18 Mar 2016 9:41

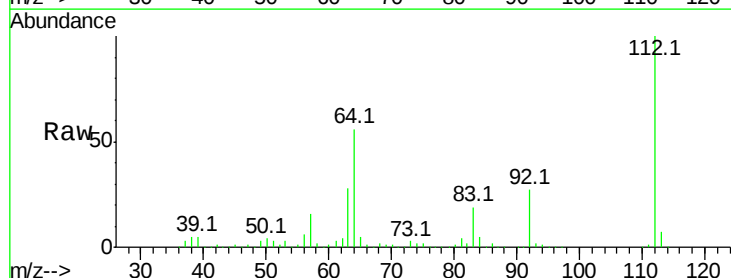
Tgt Ion:112 Resp: 1048285

Ion Ratio Lower Upper

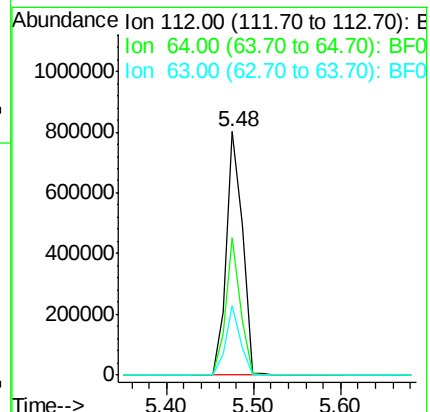
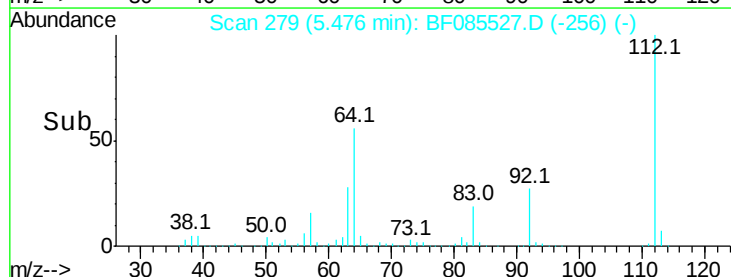
112 100

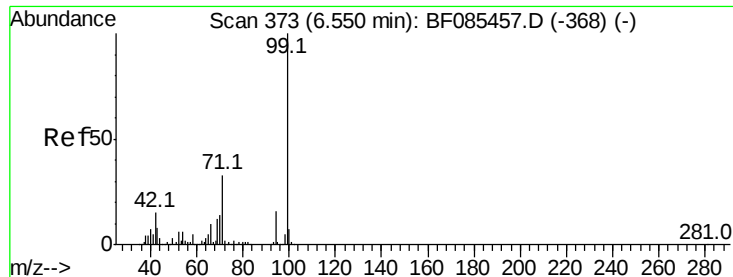
64 56.2 49.0 73.4

63 28.5 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: 95.34 ng

RT: 6.50 min Scan# 369

Delta R.T. -0.05 min

Lab File: BF085527.D

Acq: 18 Mar 2016 9:41

Instrument :

BNA_F

ClientSampled :

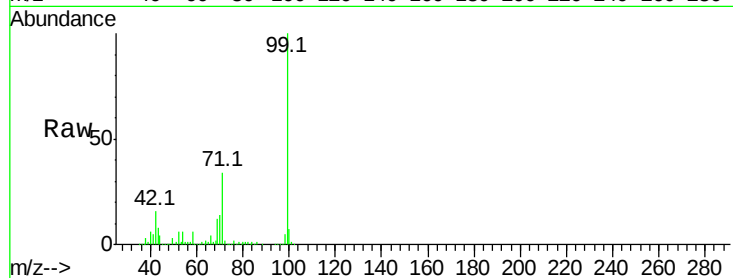
Tot Ion: 99 Resp: 1180875

Ion Ratio Lower Upper

99 100

42 15.5 13.6 20.4

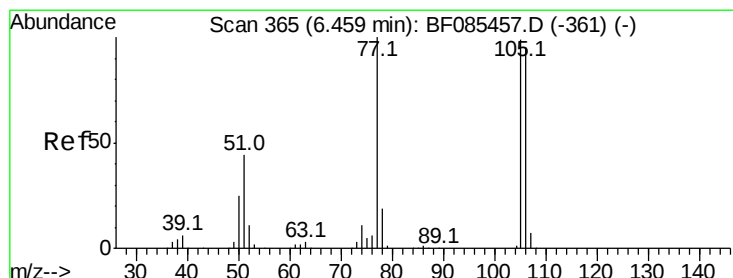
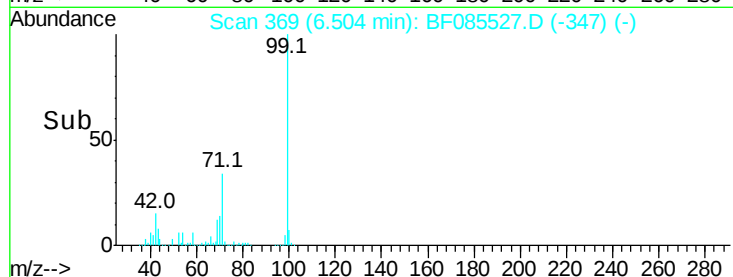
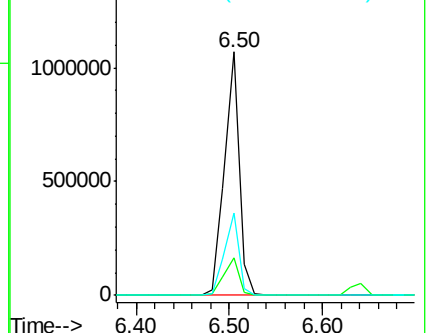
71 33.6 26.7 40.1



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: 3.54 ng

RT: 6.64 min Scan# 381

Delta R.T. 0.18 min

Lab File: BF085527.D

Acq: 18 Mar 2016 9:41

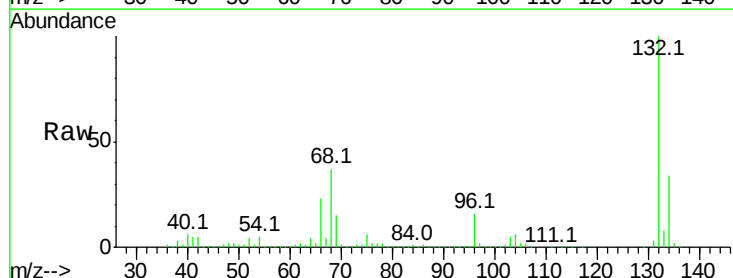
Tgt Ion: 77 Resp: 24506

Ion Ratio Lower Upper

77 100

105 85.2 78.2 118.2

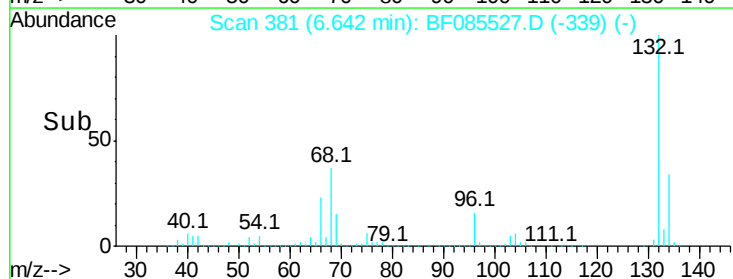
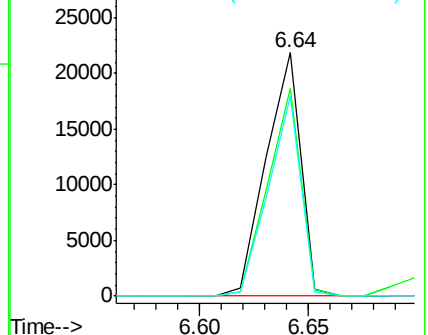
106 81.9 72.9 112.9

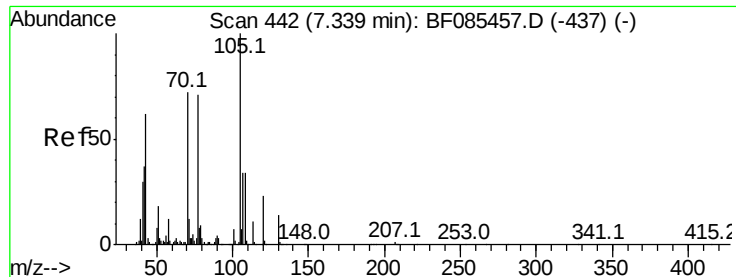


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 14.72 ng

RT: 7.43 min Scan# 450

Delta R.T. 0.09 min

Lab File: BF085527.D

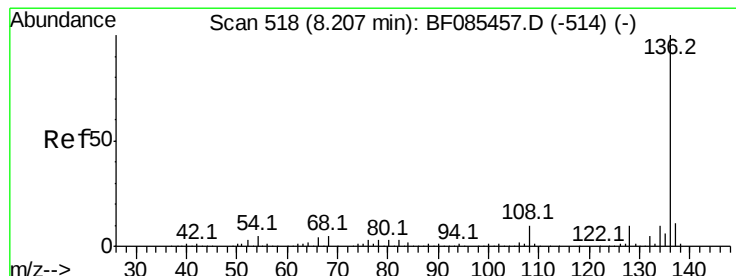
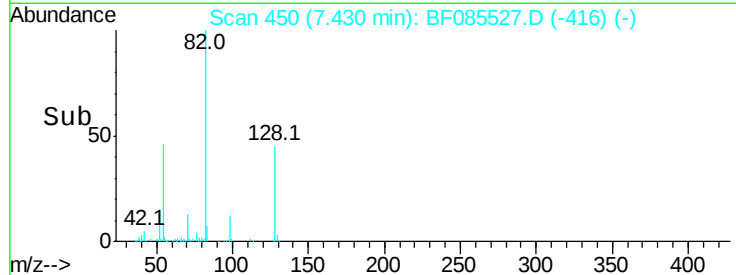
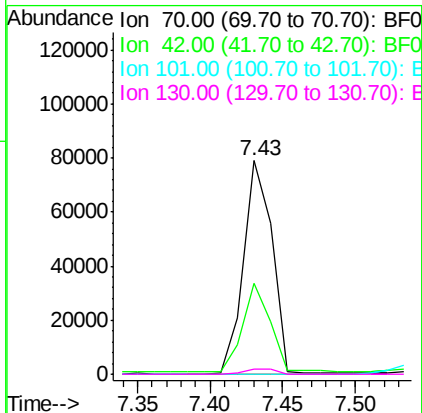
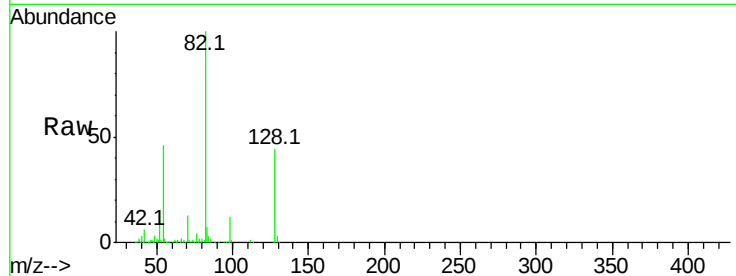
Acq: 18 Mar 2016 9:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	109211
Ion	Ratio	Lower	Upper
70	100		
42	42.4	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

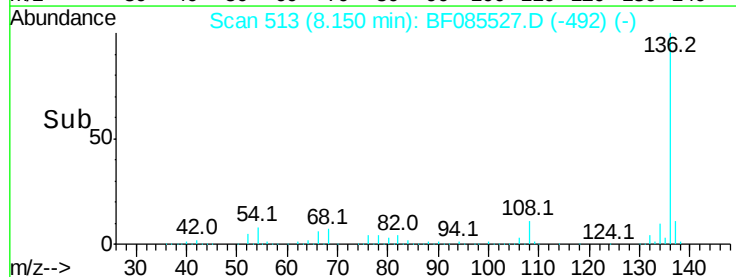
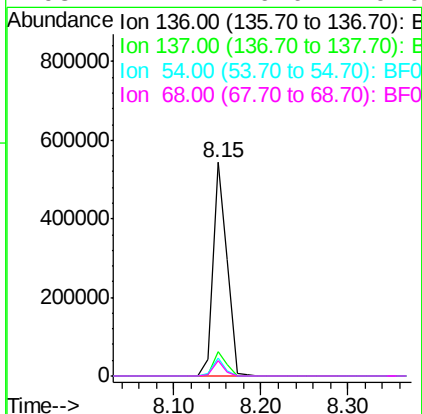
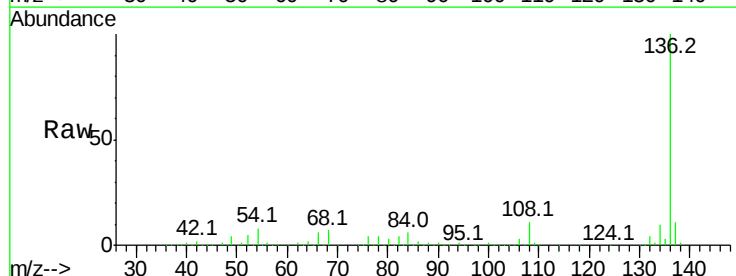
RT: 8.15 min Scan# 513

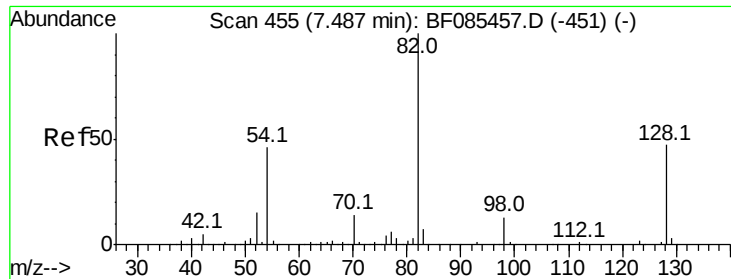
Delta R.T. -0.06 min

Lab File: BF085527.D

Acq: 18 Mar 2016 9:41

Tgt Ion:	136	Resp:	613642
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	8.4	7.4	11.2
68	7.1	6.0	9.0

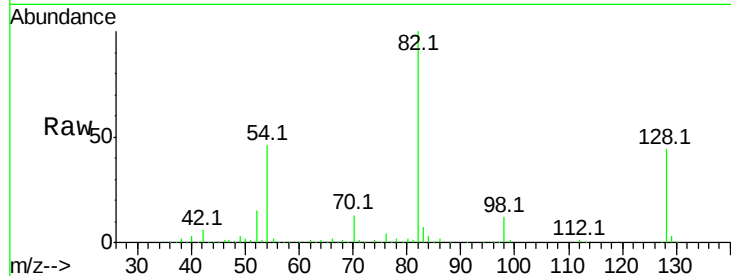




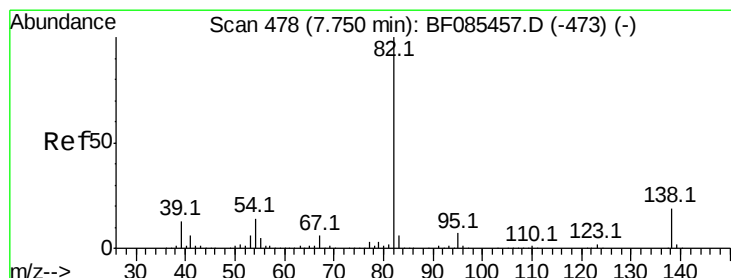
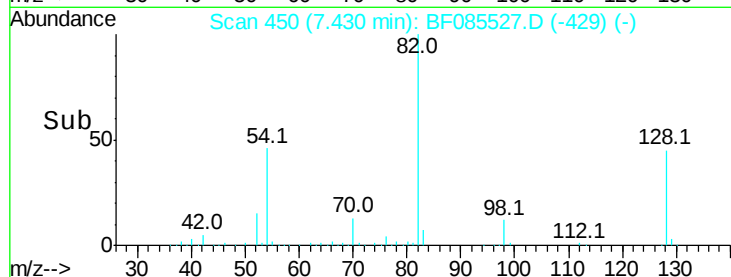
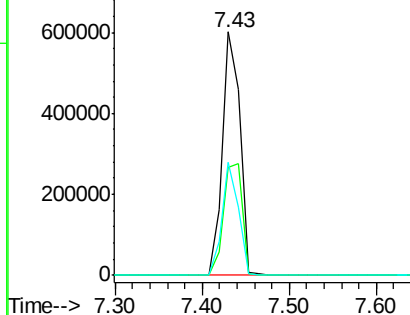
#23
 Nitrobenzene-d5
 Concen: 82.24 ng
 RT: 7.43 min Scan# 450
 Delta R.T. -0.06 min
 Lab File: BF085527.D
 Acq: 18 Mar 2016 9:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	853498
Ion Ratio	Lower	Upper	
82	100		
128	44.5	34.5	51.7
54	46.3	39.3	58.9

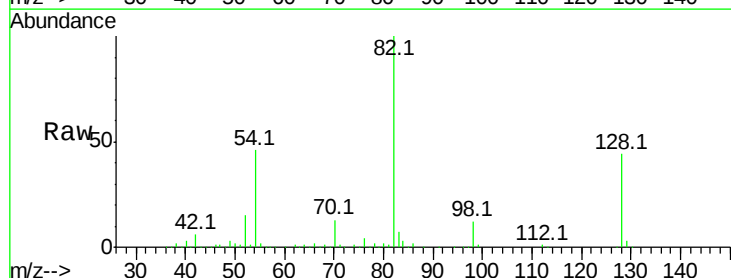


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

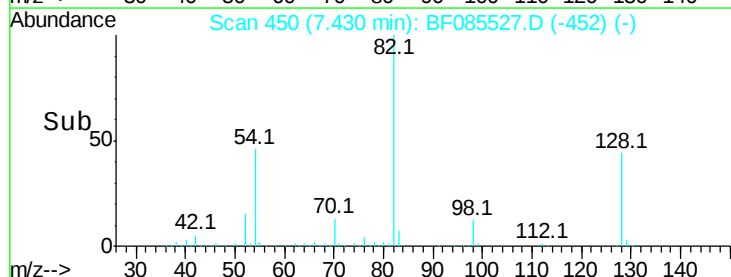
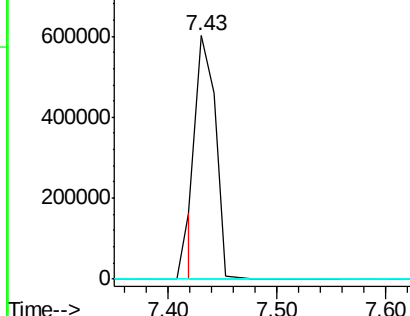


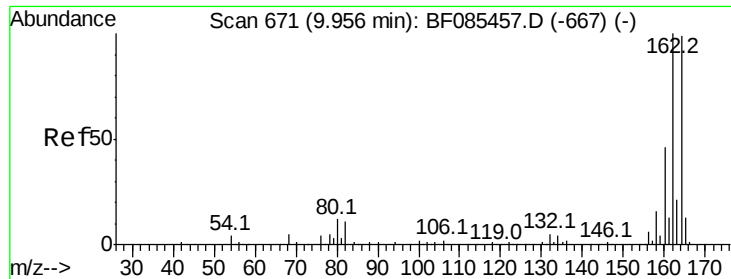
#25
 Isophorone
 Concen: 34.80 ng
 RT: 7.43 min Scan# 450
 Delta R.T. -0.32 min
 Lab File: BF085527.D
 Acq: 18 Mar 2016 9:41

Tgt Ion	82	Resp	736519
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

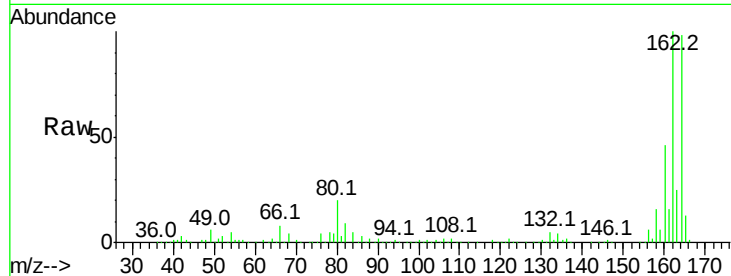




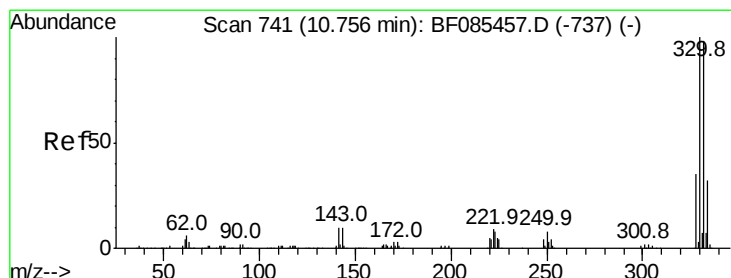
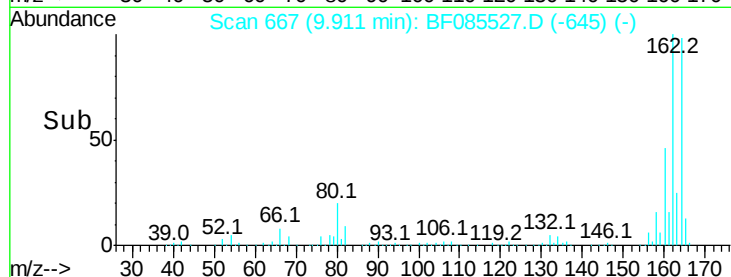
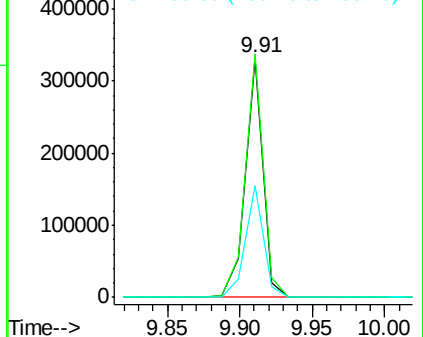
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 280665
Ion Ratio Lower Upper
164 100
162 102.1 83.3 124.9
160 46.6 37.9 56.9

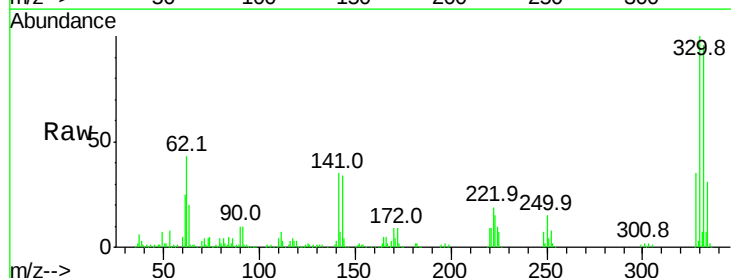


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

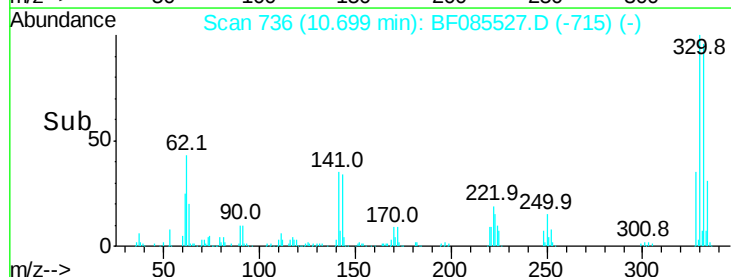
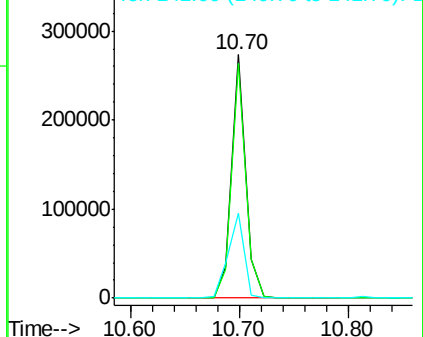


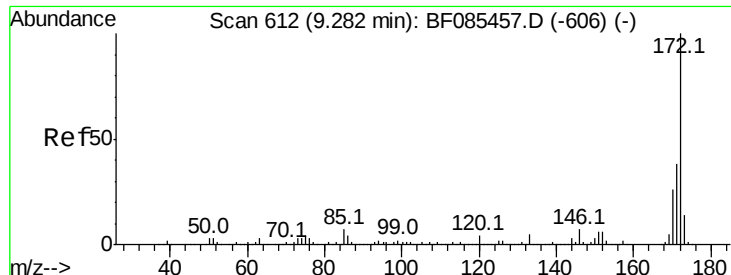
#41
2,4,6-Tribromophenol
Concen: 94.59 ng
RT: 10.70 min Scan# 736
Delta R.T. -0.06 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Tgt Ion:330 Resp: 244524
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 40.1 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

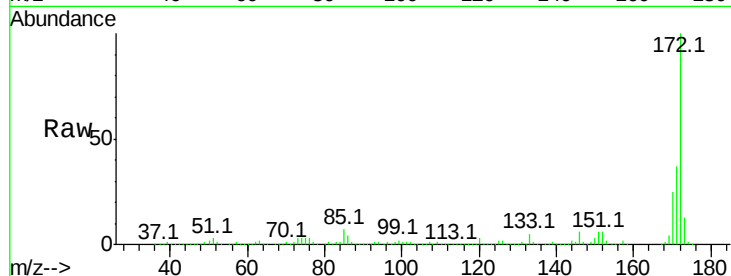




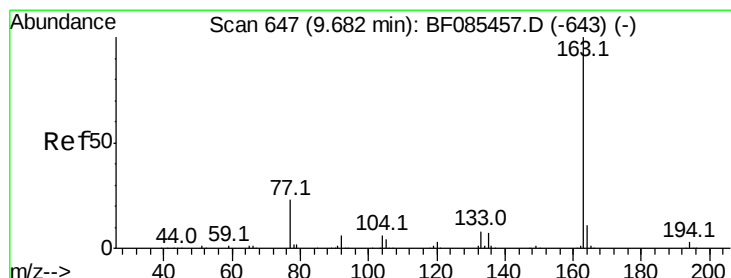
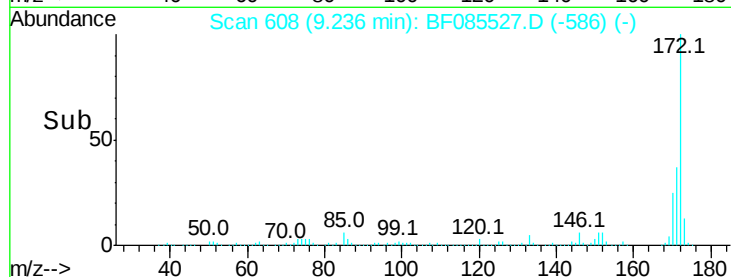
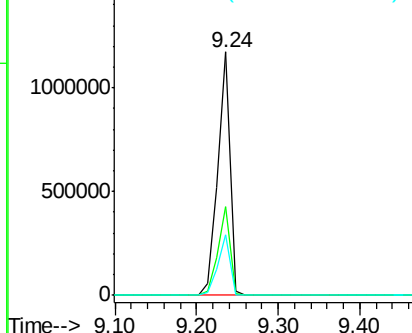
#44
2-Fluorobiphenyl
Concen: 75.25 ng
RT: 9.24 min Scan# 608
Delta R.T. -0.05 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1217343
Ion Ratio Lower Upper
172 100
171 36.7 29.3 43.9
170 25.0 20.0 30.0

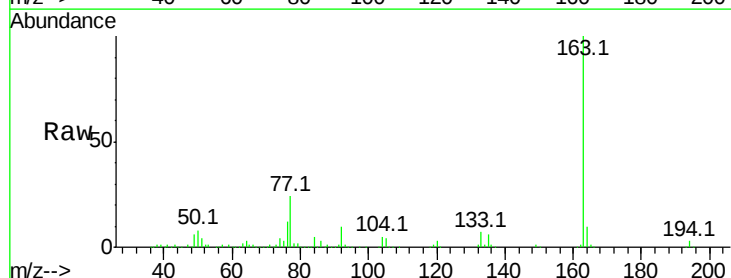


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

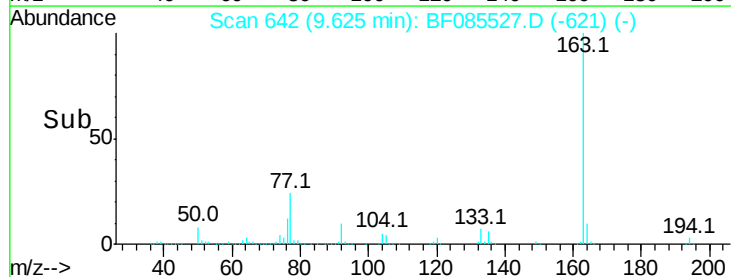
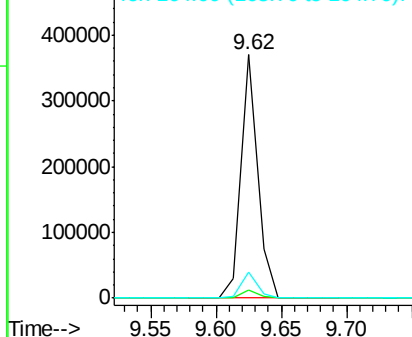


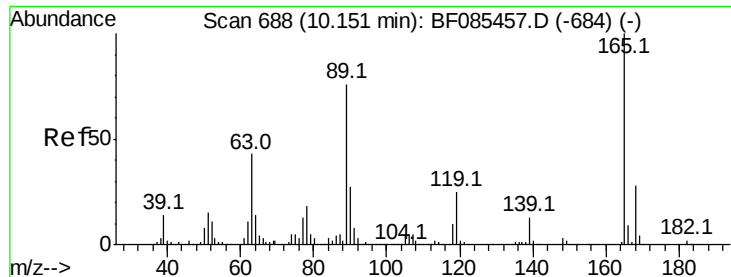
#49
Dimethylphthalate
Concen: 16.05 ng
RT: 9.62 min Scan# 642
Delta R.T. -0.06 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Tgt Ion:163 Resp: 328565
Ion Ratio Lower Upper
163 100
194 3.3 3.1 4.7
164 10.4 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

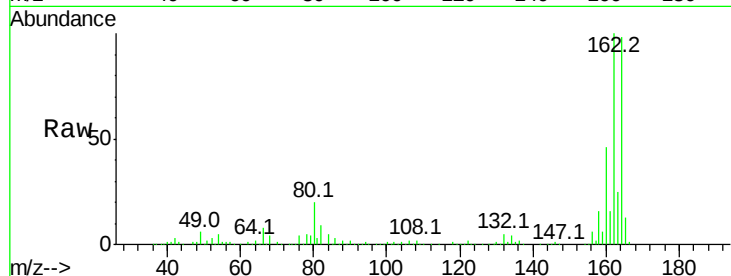




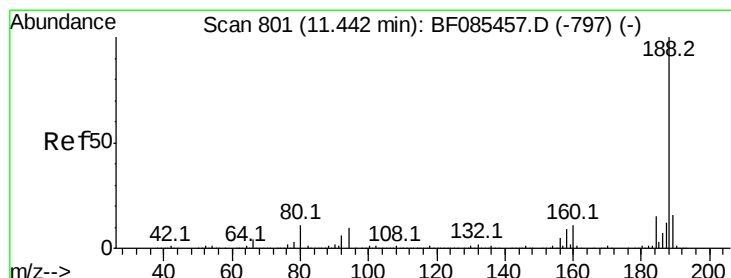
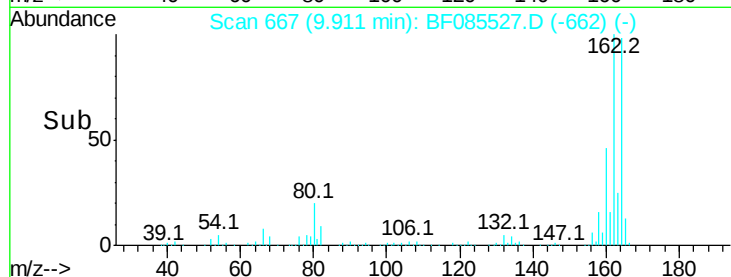
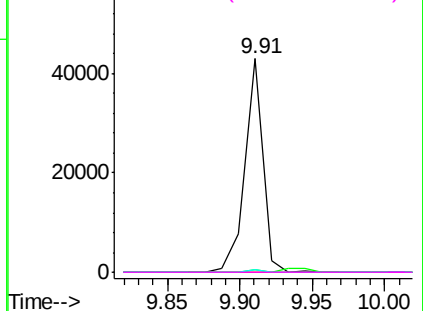
#56
2,4-Dinitrotoluene
Concen: 6.56 ng
RT: 9.91 min Scan# 667
Delta R.T. -0.24 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 37201
Ion Ratio Lower Upper
165 100
63 1.2 35.4 53.0#
89 1.4 61.9 92.9#
182 0.0 1.9 2.9#

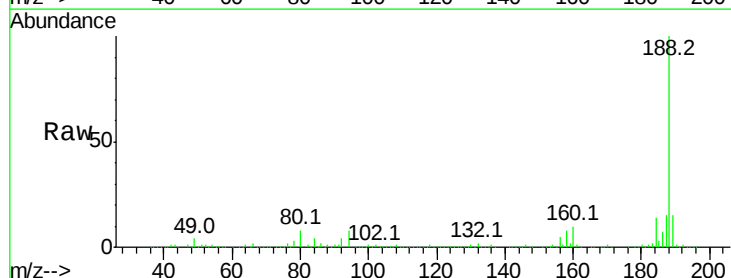


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

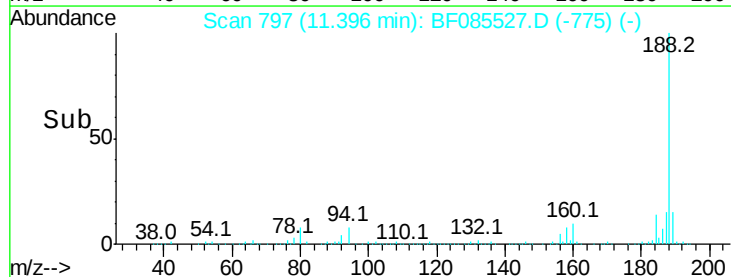
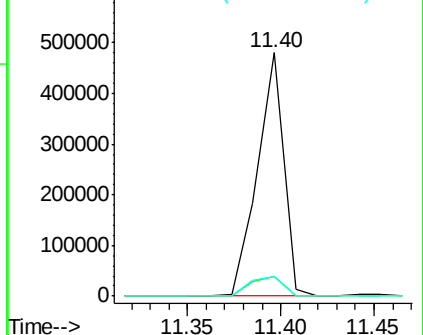


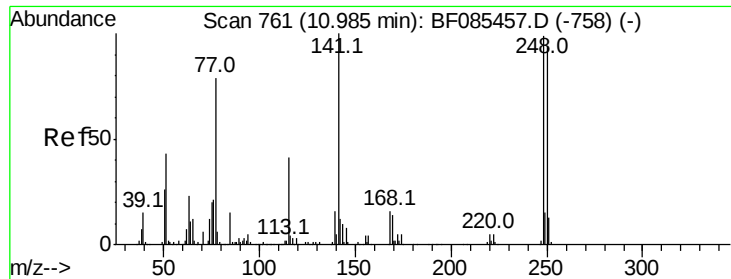
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.05 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Tgt Ion:188 Resp: 468862
Ion Ratio Lower Upper
188 100
94 8.1 7.0 10.6
80 8.1 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: 3.66 ng

RT: 10.70 min Scan# 736

Delta R.T. -0.29 min

Lab File: BF085527.D

Acq: 18 Mar 2016 9:41

Instrument :

BNA_F

ClientSampleId :

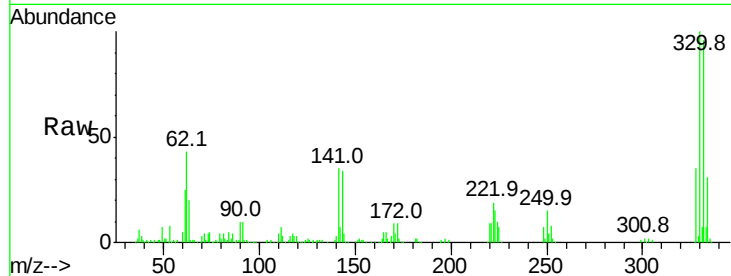
Tot Ion:248 Resp: 17373

Ion Ratio Lower Upper

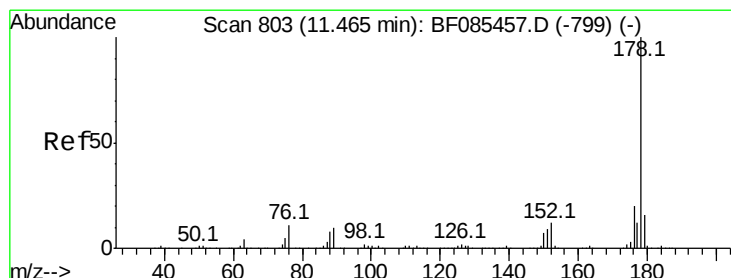
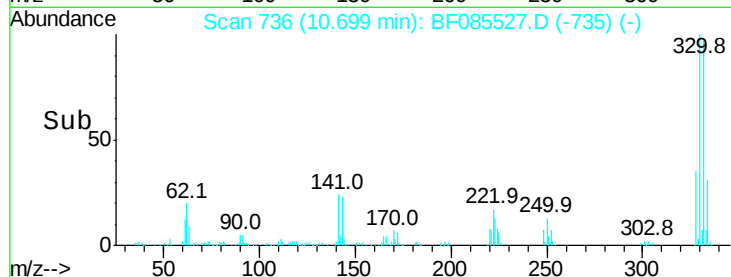
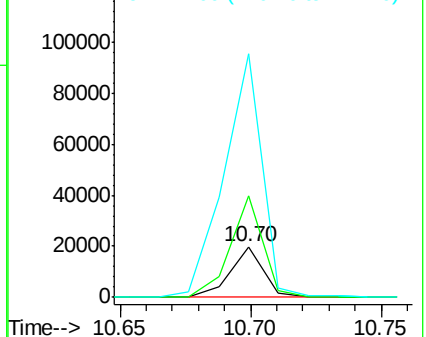
248 100

250 201.7 77.1 115.7#

141 482.9 66.2 99.2#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 8.48 ng

RT: 11.42 min Scan# 799

Delta R.T. -0.05 min

Lab File: BF085527.D

Acq: 18 Mar 2016 9:41

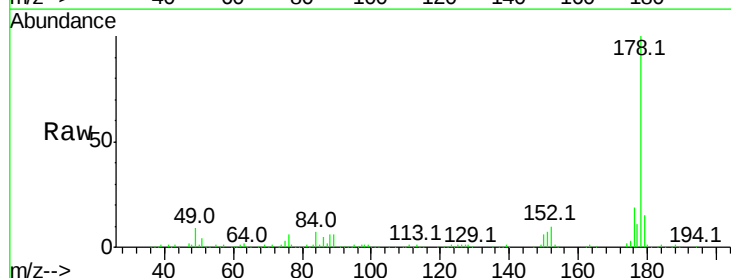
Tgt Ion:178 Resp: 207134

Ion Ratio Lower Upper

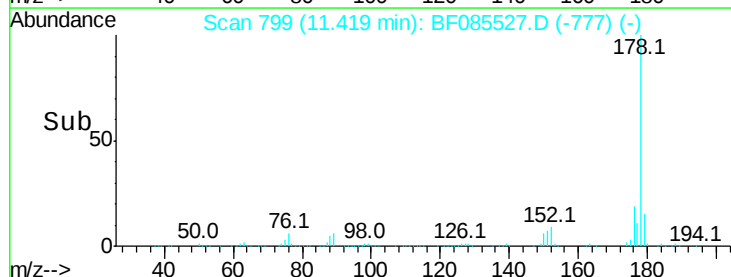
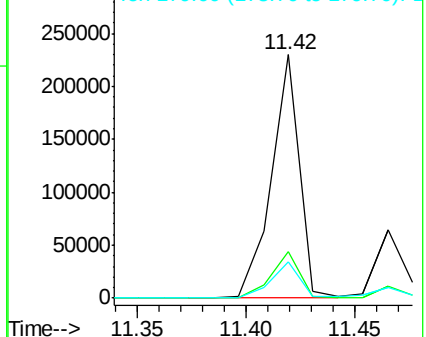
178 100

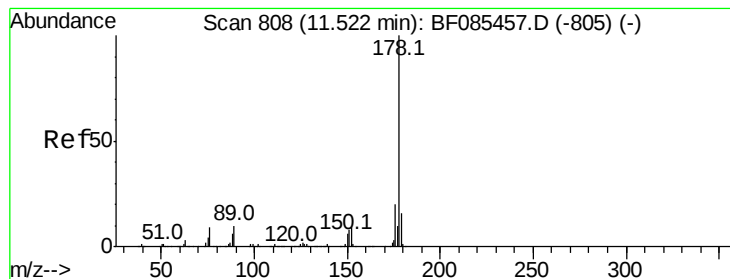
176 19.3 16.8 25.2

179 14.8 13.1 19.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.35 ng

RT: 11.46 min Scan# 803

Delta R.T. -0.06 min

Lab File: BF085527.D

Acq: 18 Mar 2016 9:41

Instrument :

BNA_F

ClientSampleId :

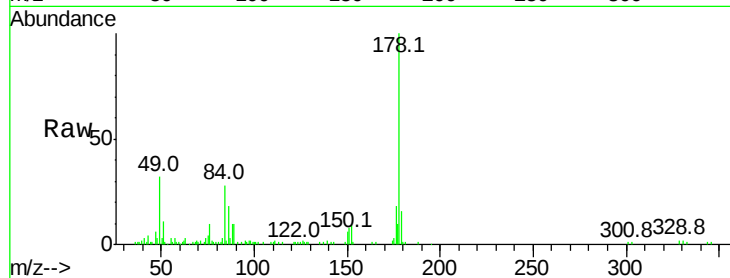
Tot Ion:178 Resp: 58483

Ion Ratio Lower Upper

178 100

176 18.2 15.9 23.9

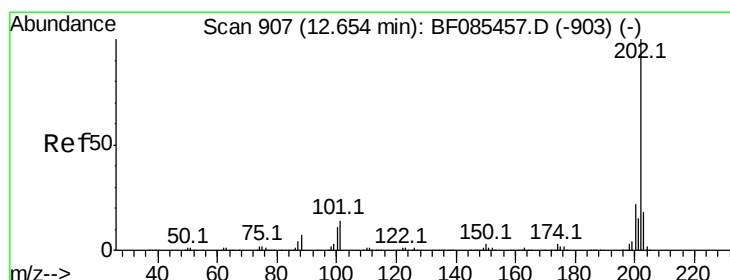
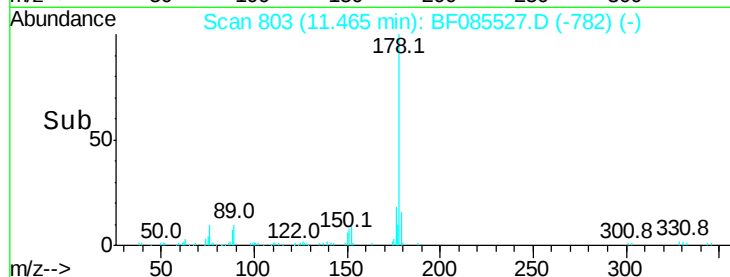
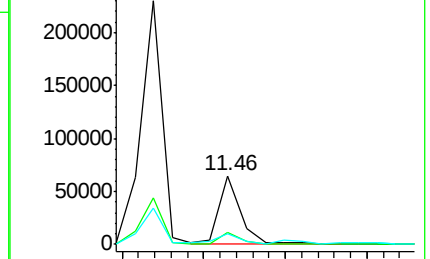
179 15.6 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 15.00 ng

RT: 12.61 min Scan# 903

Delta R.T. -0.05 min

Lab File: BF085527.D

Acq: 18 Mar 2016 9:41

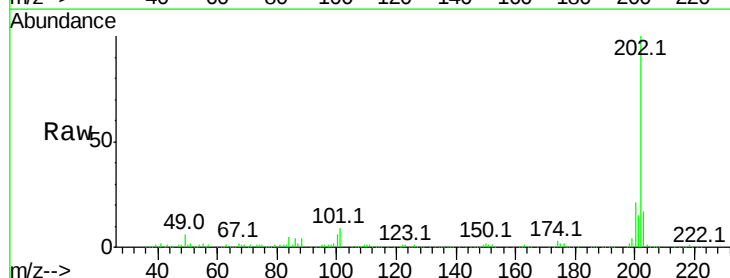
Tgt Ion:202 Resp: 344313

Ion Ratio Lower Upper

202 100

101 9.0 0.0 31.8

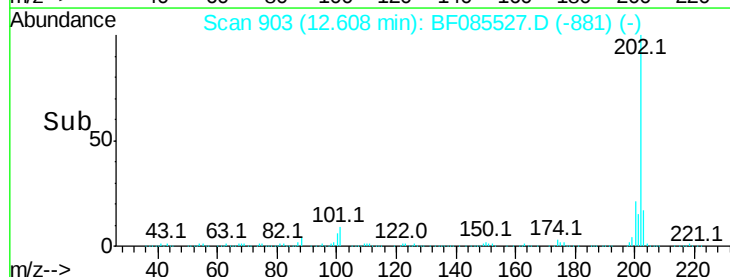
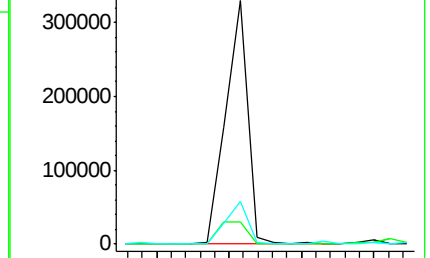
203 17.3 0.0 38.4

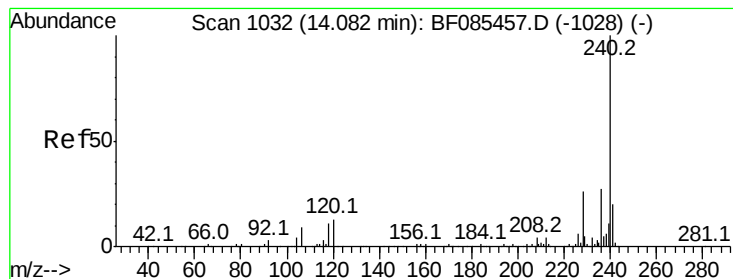


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 1027

Delta R.T. -0.06 min

Lab File: BF085527.D

Acq: 18 Mar 2016 9:41

Instrument :

BNA_F

ClientSampleId :

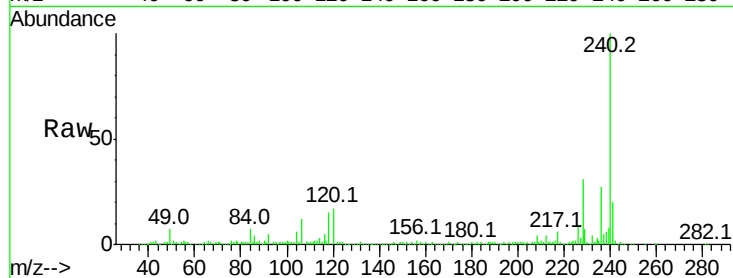
Tot Ion:240 Resp: 275918

Ion Ratio Lower Upper

240 100

120 17.5 5.3 7.9#

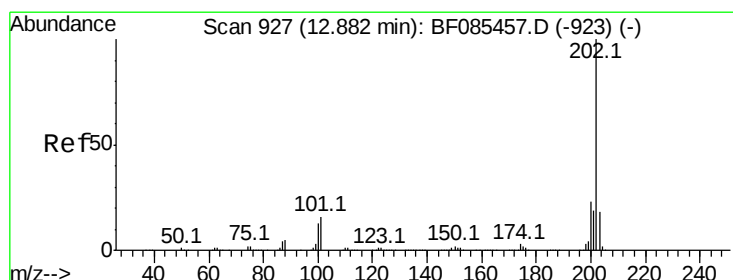
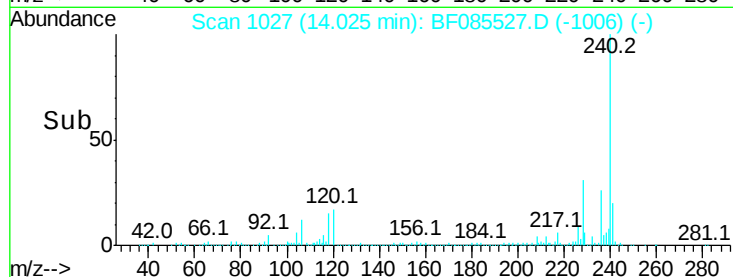
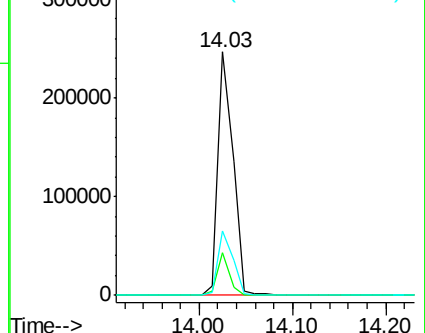
236 26.6 20.7 31.1



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: 14.61 ng

RT: 12.84 min Scan# 923

Delta R.T. -0.05 min

Lab File: BF085527.D

Acq: 18 Mar 2016 9:41

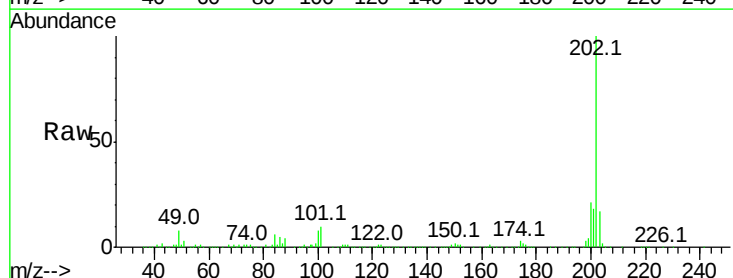
Tgt Ion:202 Resp: 302396

Ion Ratio Lower Upper

202 100

200 21.0 18.2 27.4

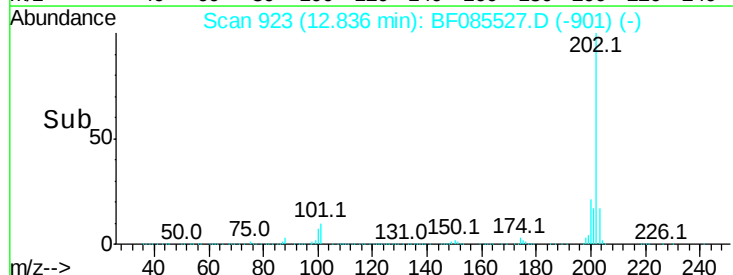
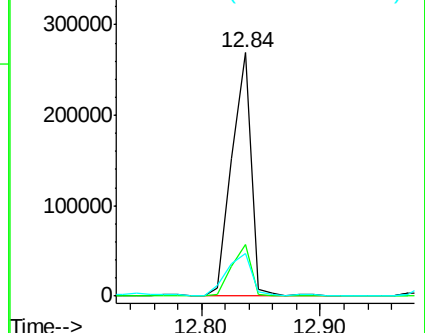
203 17.3 14.7 22.1

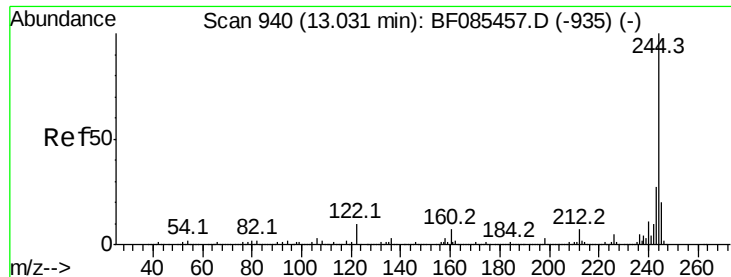


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

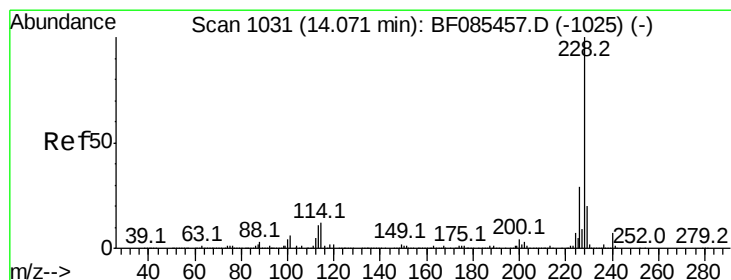
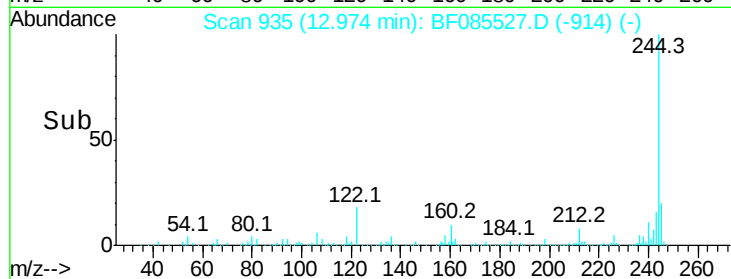
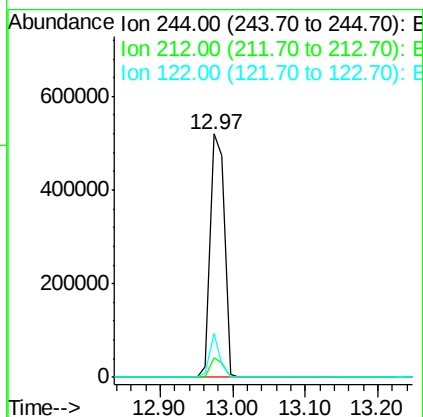
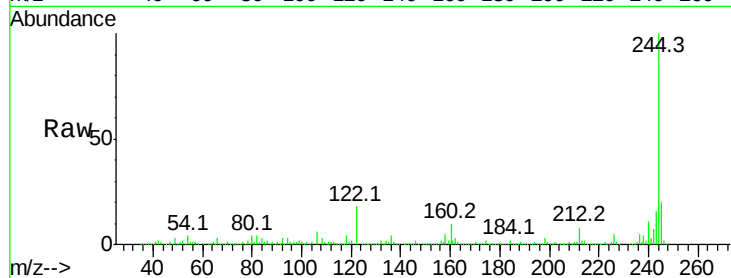




#78
 Terphenyl-d14
 Concen: 57.78 ng
 RT: 12.97 min Scan# 935
 Delta R.T. -0.06 min
 Lab File: BF085527.D
 Acq: 18 Mar 2016 9:41

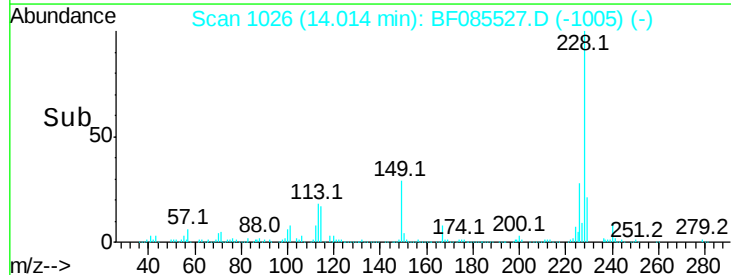
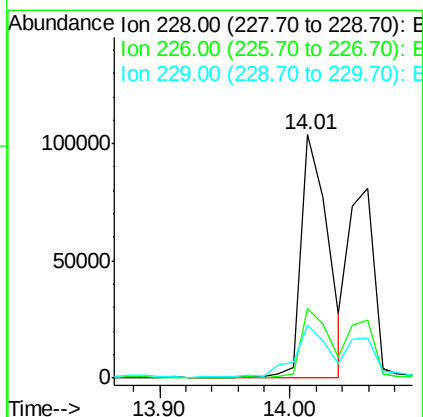
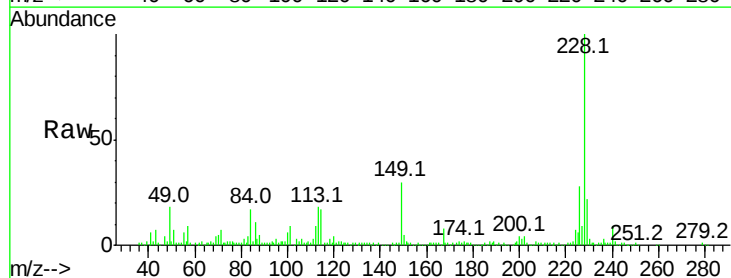
Instrument :
 BNA_F
 ClientSampleId :

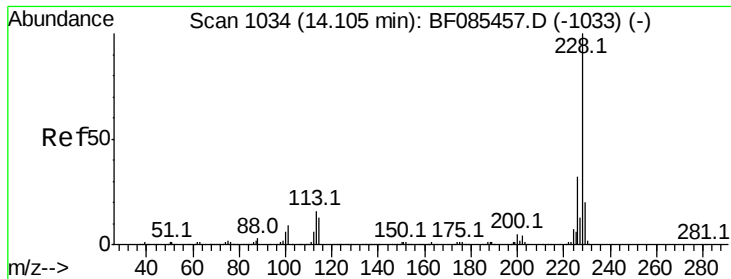
Tot Ion:244 Resp: 704711
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.4 9.6
 122 17.9 11.4 17.2#



#80
 Benzo(a)anthracene
 Concen: 9.44 ng
 RT: 14.01 min Scan# 1026
 Delta R.T. -0.06 min
 Lab File: BF085527.D
 Acq: 18 Mar 2016 9:41

Tgt Ion:228 Resp: 149397
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.8 34.2
 229 21.6 16.6 24.8





#82

Chrysene

Concen: 10.50 ng

RT: 14.01 min Scan# 1026

Delta R.T. -0.09 min

Lab File: BF085527.D

Acq: 18 Mar 2016 9:41

Instrument :

BNA_F

ClientSampleId :

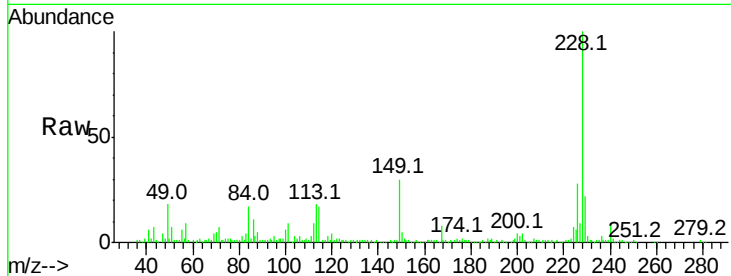
Tot Ion:228 Resp: 149397

Ion Ratio Lower Upper

228 100

226 28.5 25.2 37.8

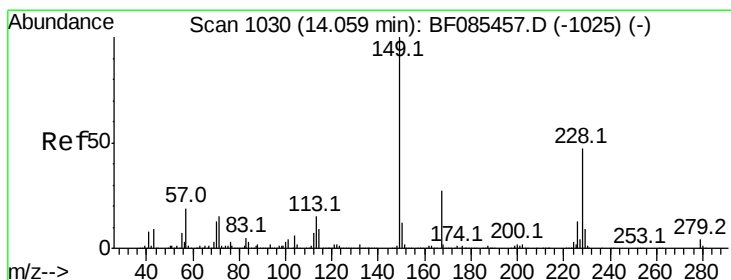
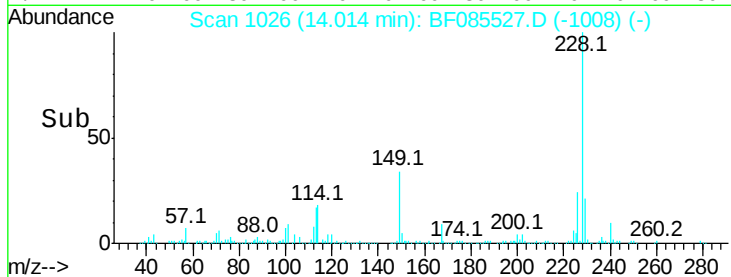
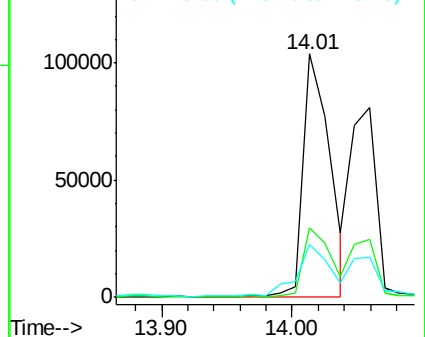
229 21.6 16.0 24.0



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: 2.47 ng

RT: 14.01 min Scan# 1026

Delta R.T. -0.05 min

Lab File: BF085527.D

Acq: 18 Mar 2016 9:41

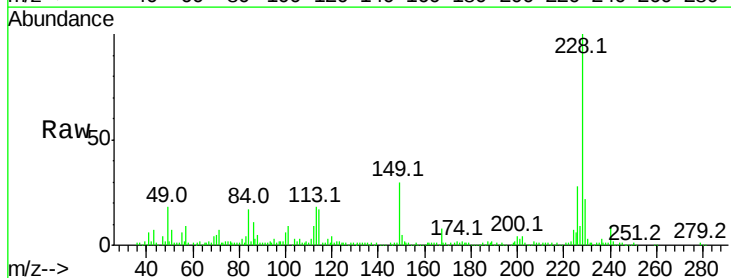
Tgt Ion:149 Resp: 27291

Ion Ratio Lower Upper

149 100

167 27.1 20.3 30.5

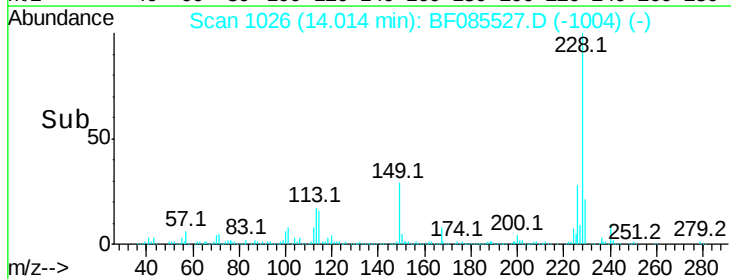
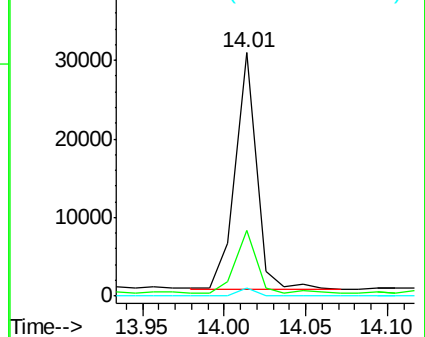
279 3.5 1.9 2.9#

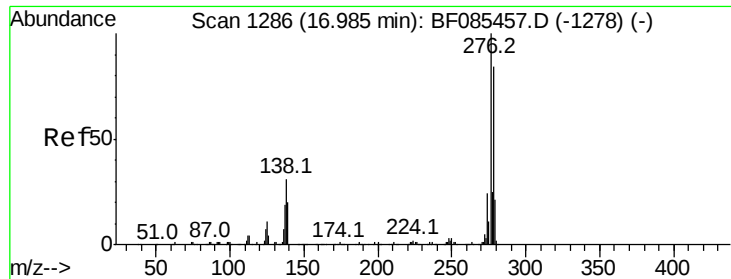


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

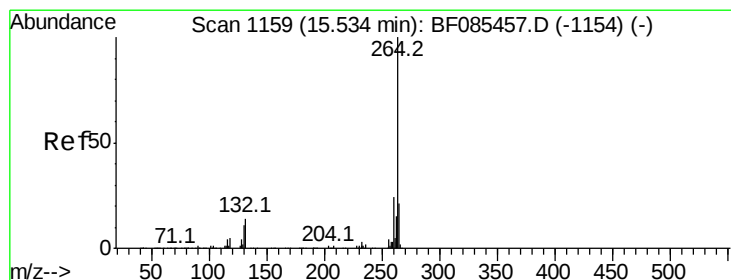
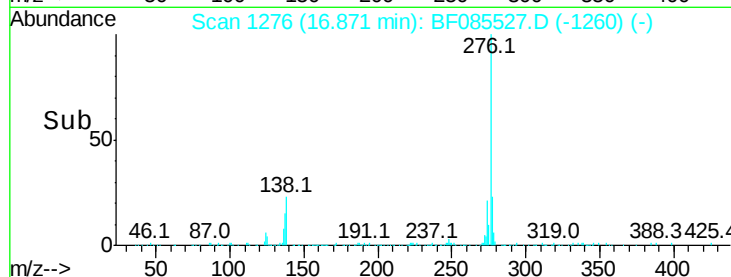
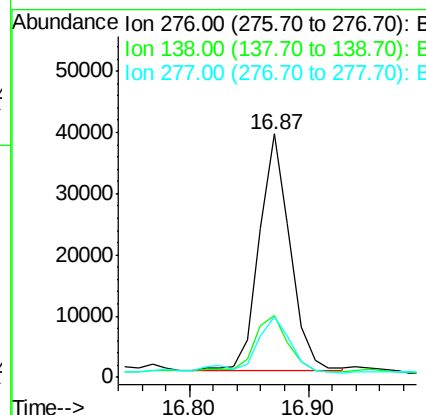
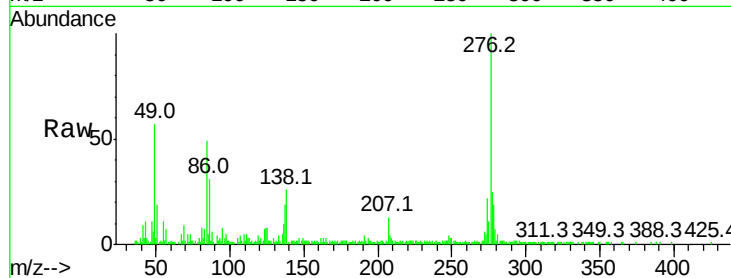




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.21 ng
 RT: 16.87 min Scan# 1276
 Delta R.T. -0.11 min
 Lab File: BF085527.D
 Acq: 18 Mar 2016 9:41

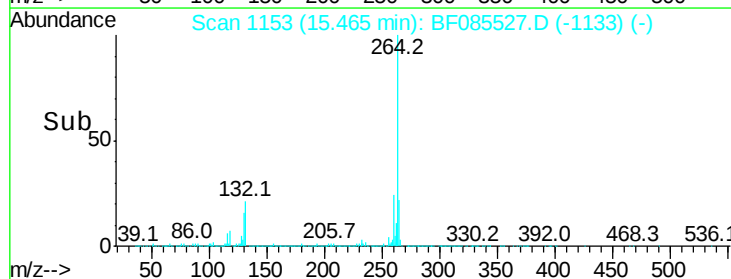
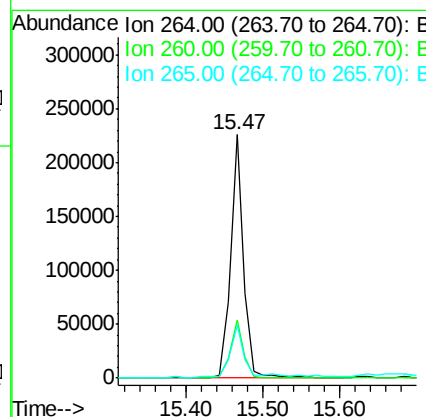
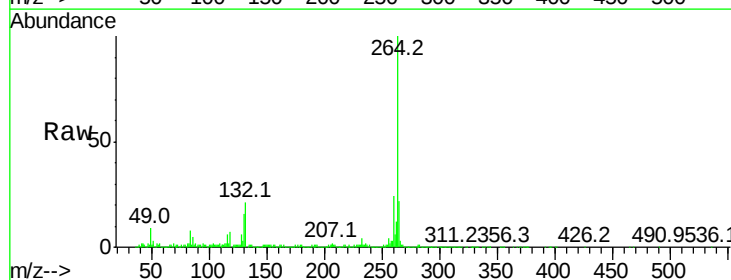
Instrument :
 BNA_F
 ClientSampled :

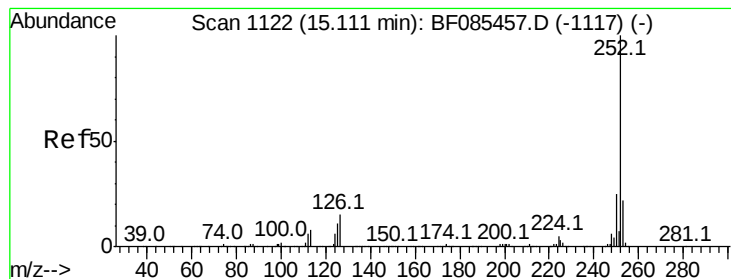
Tot Ion:276 Resp: 70309
 Ion Ratio Lower Upper
 276 100
 138 27.8 26.4 39.6
 277 29.4 20.2 30.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.47 min Scan# 1153
 Delta R.T. -0.07 min
 Lab File: BF085527.D
 Acq: 18 Mar 2016 9:41

Tgt Ion:264 Resp: 269077
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.9 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 12.51 ng

RT: 15.05 min Scan# 1117

Delta R.T. -0.06 min

Lab File: BF085527.D

Acq: 18 Mar 2016 9:41

Instrument :

BNA_F

ClientSampled :

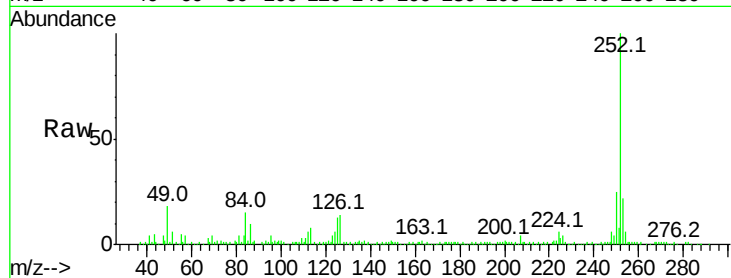
Tot Ion:252 Resp: 219884

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

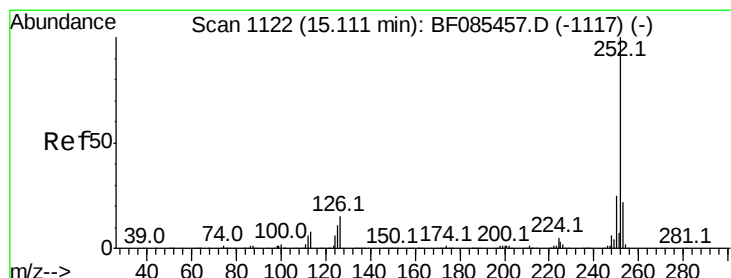
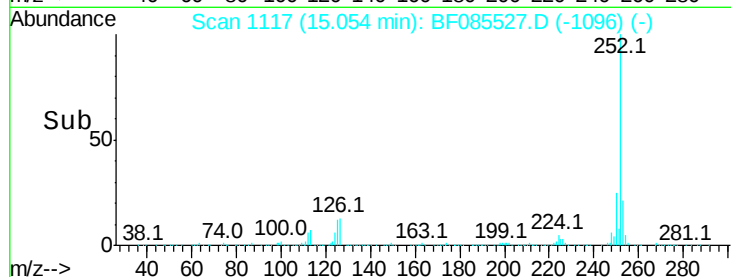
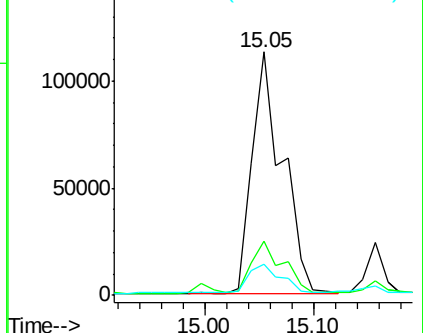
125 12.8 11.3 16.9



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: 15.98 ng

RT: 15.05 min Scan# 1117

Delta R.T. -0.09 min

Lab File: BF085527.D

Acq: 18 Mar 2016 9:41

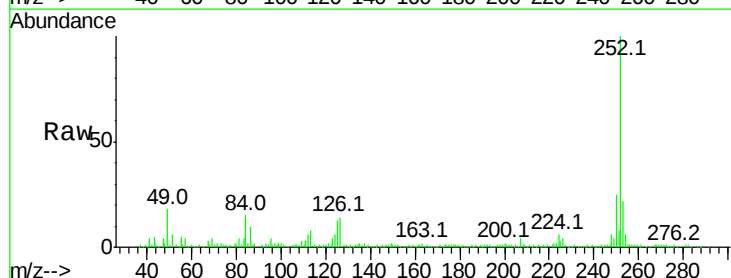
Tgt Ion:252 Resp: 219884

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

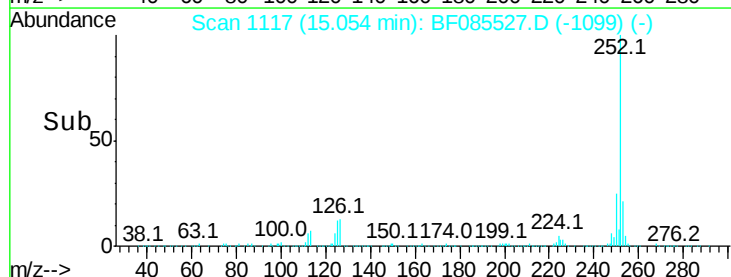
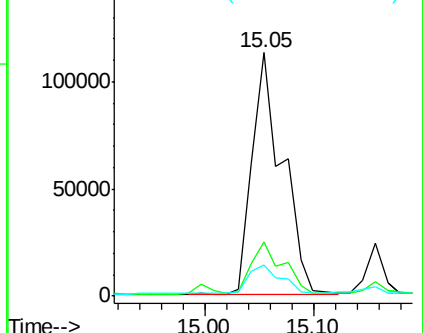
125 12.8 10.4 15.6

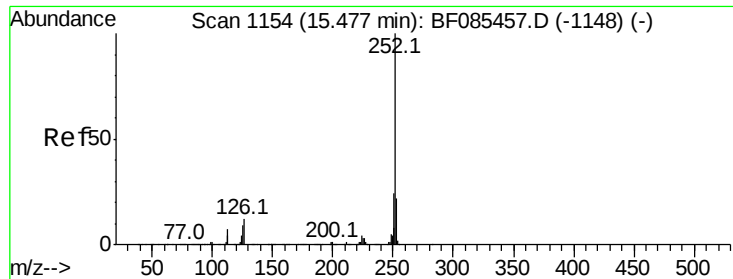


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

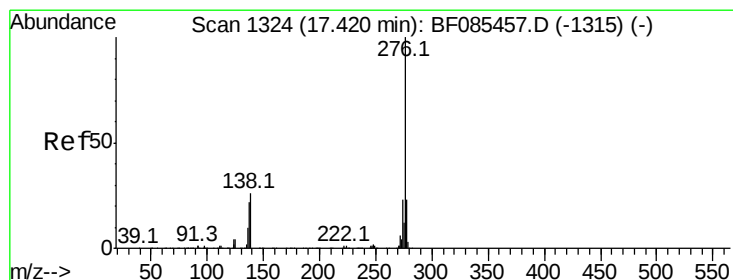
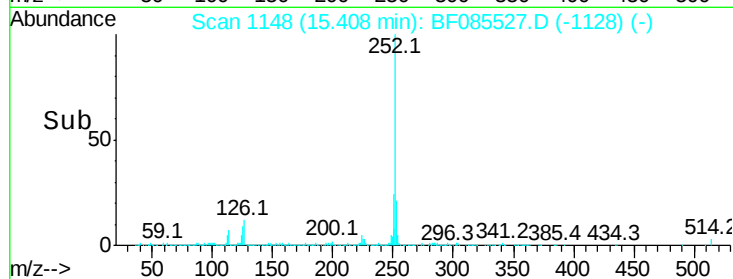
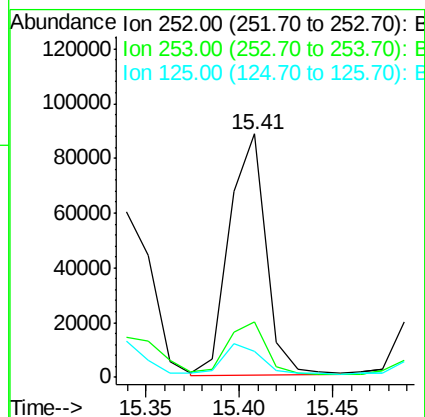
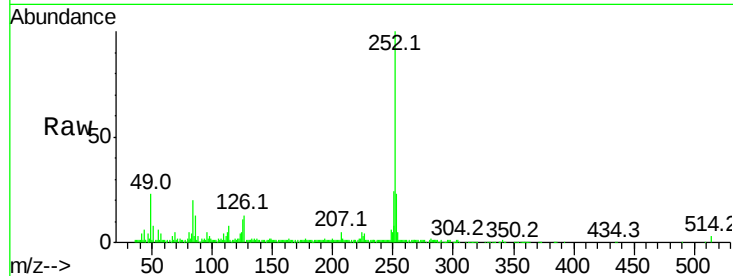




#89
Benzo(a)pyrene
Concen: 7.98 ng
RT: 15.41 min Scan# 1148
Delta R.T. -0.07 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 121174
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.7 8.2 12.4



#91
Benzo(g,h,i)perylene
Concen: 4.59 ng
RT: 17.29 min Scan# 1313
Delta R.T. -0.13 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Tgt Ion:276 Resp: 69580
Ion Ratio Lower Upper
276 100
277 26.2 19.0 28.4
138 29.2 22.5 33.7

