

Data Path : Z:\HPCHEM1\BNA F\Data\BF031716\
 Data File : BF085528.D
 Acq On : 18 Mar 2016 10:09
 Operator : UM/SJ
 Sample : H1776-16
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 18 10:29:34 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	120527	20.00	ng	-0.05
21) Naphthalene-d8	8.15	136	426693	20.00	ng	-0.06
38) Acenaphthene-d10	9.91	164	188683	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	299910	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	179600	20.00	ng	-0.06
86) Perylene-d12	15.47	264	171311	20.00	ng	-0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1374864	196.08	ng	-0.02
7) Phenol-d6	6.52	99	1826851	200.86	ng	-0.03
23) Nitrobenzene-d5	7.44	82	1195119	165.60	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	327135	188.24	ng	-0.06
44) 2-Fluorobiphenyl	9.24	172	1509366	138.78	ng	-0.05
78) Terphenyl-d14	12.99	244	1129127	142.22	ng	-0.05

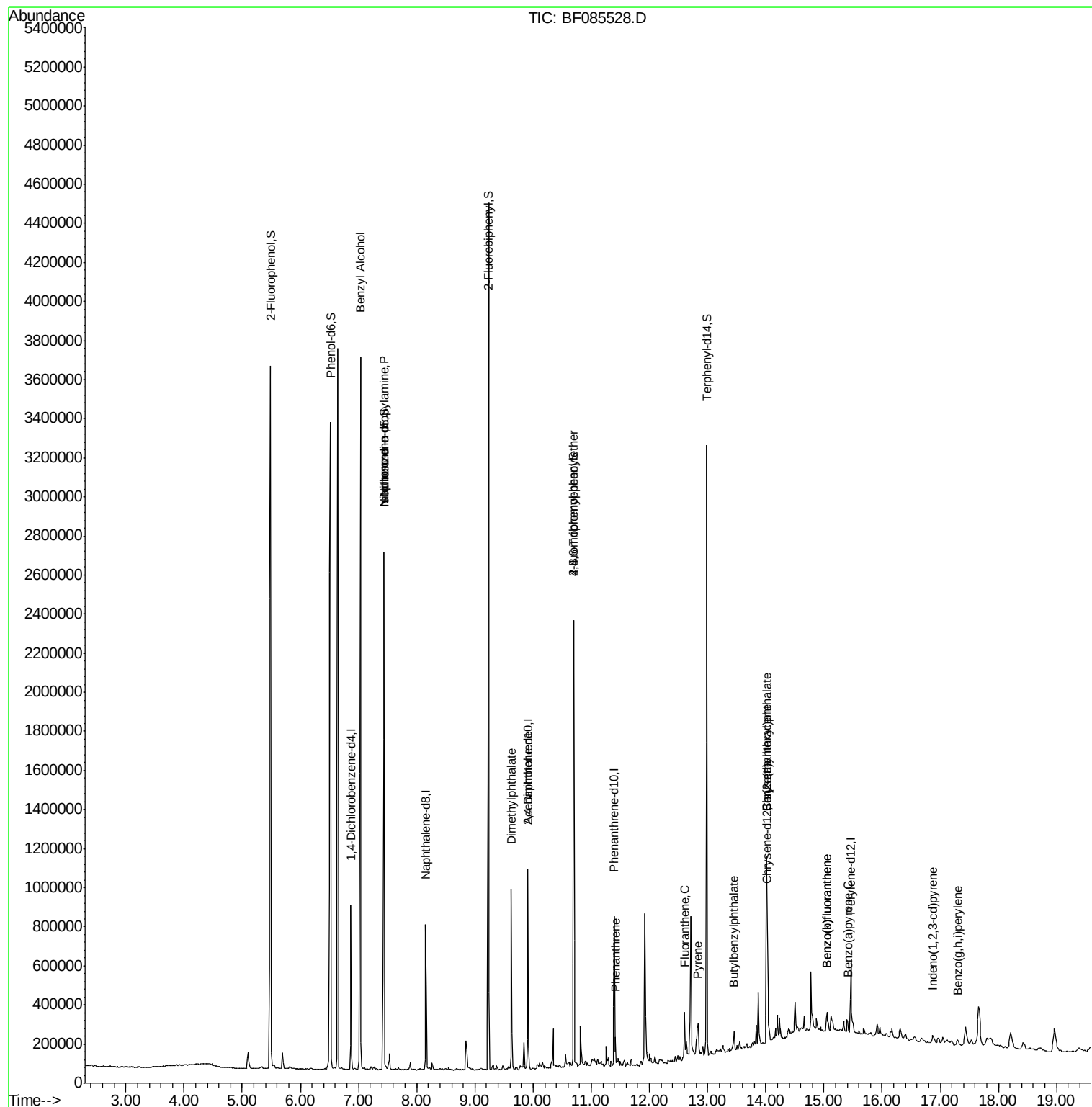
Target Compounds						Qvalue
15) Benzyl Alcohol	7.03	79	19042	2.93	ng	# 45
19) n-Nitroso-di-n-propylamine	7.44	70	161759	29.70	ng	# 75
25) Isophorone	7.44	82	1074169	72.99	ng	# 67
49) Dimethylphthalate	9.62	163	350868	25.49	ng	99
56) 2,4-Dinitrotoluene	9.91	165	24362	6.39	ng	# 22
66) 4-Bromophenyl-phenylether	10.70	248	20275	6.68	ng	# 1
70) Phenanthrene	11.42	178	56033	3.59	ng	97
74) Fluoranthene	12.61	202	100700	6.86	ng	94
77) Pyrene	12.84	202	94694	7.03	ng	96
79) Butylbenzylphthalate	13.45	149	23145	3.93	ng	# 80
80) Benzo(a)anthracene	14.01	228	46205	4.49	ng	96
82) Chrysene	14.01	228	46205	4.99	ng	98
83) Bis(2-ethylhexyl)phthalate	14.01	149	236007	32.85	ng	99
85) Indeno(1,2,3-cd)pyrene	16.87	276	24538	2.79	ng	# 92
87) Benzo(b)fluoranthene	15.05	252	72503	6.48	ng	98
88) Benzo(k)fluoranthene	15.05	252	72503	8.27	ng	# 97
89) Benzo(a)pyrene	15.41	252	36932	3.82	ng	# 94
91) Benzo(g,h,i)perylene	17.29	276	23414	2.43	ng	94

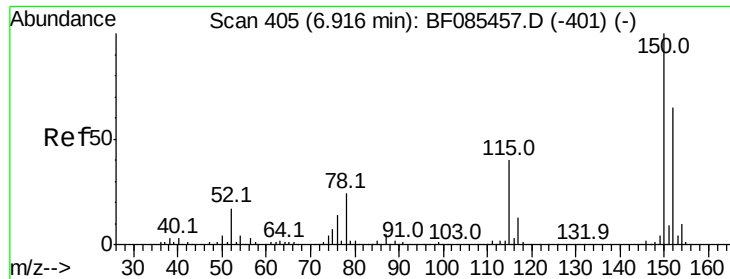
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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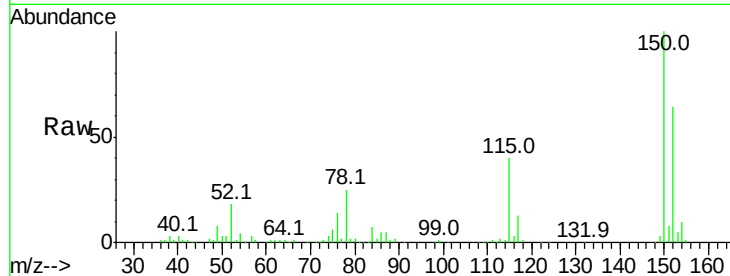


#1

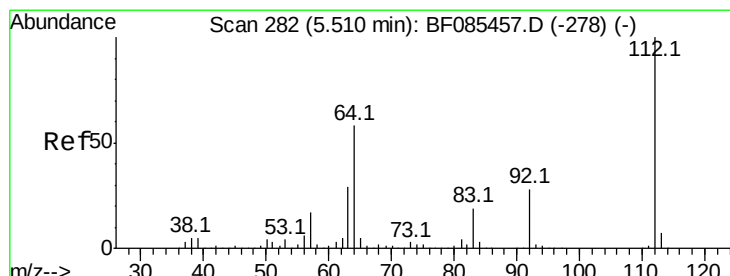
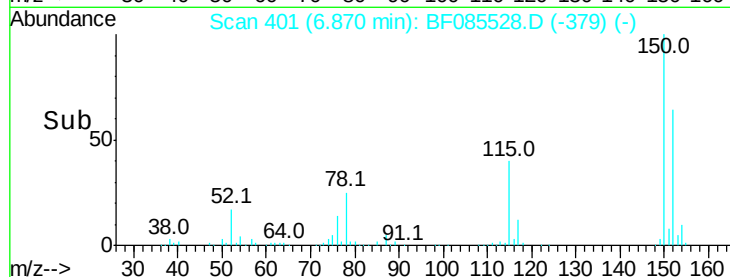
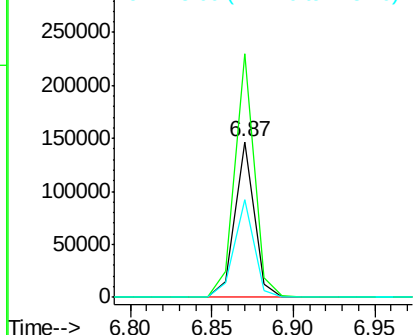
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 401
Delta R.T. -0.05 min
Lab File: BF085528.D
Acq: 18 Mar 2016 10:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 120527
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 62.8 46.6 70.0



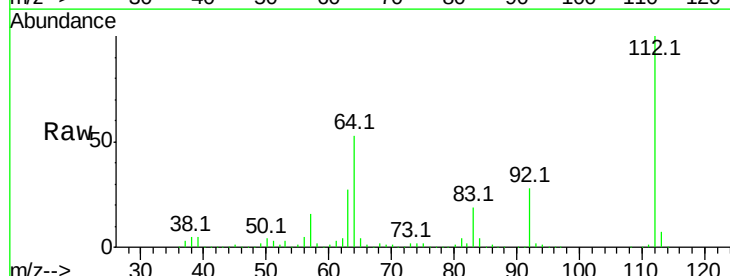
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



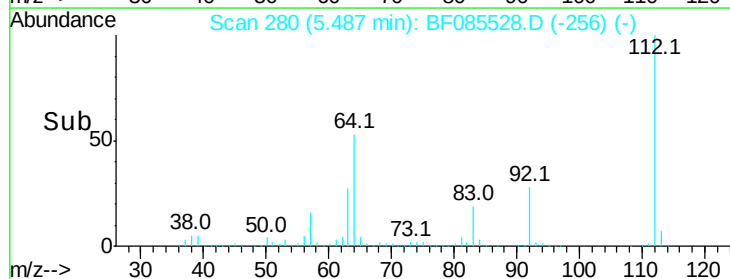
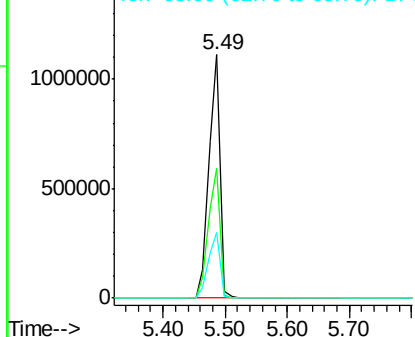
#5

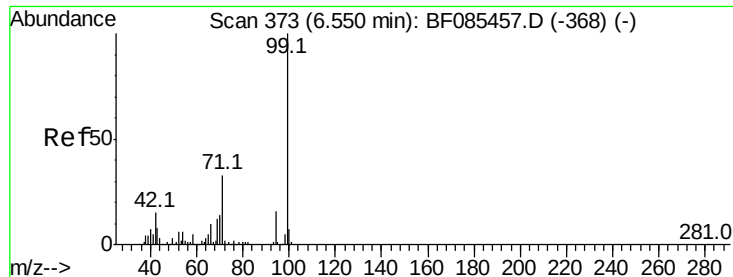
2-Fluorophenol
Concen: 196.08 ng
RT: 5.49 min Scan# 280
Delta R.T. -0.02 min
Lab File: BF085528.D
Acq: 18 Mar 2016 10:09

Tgt Ion:112 Resp: 1374864
Ion Ratio Lower Upper
112 100
64 53.2 49.0 73.4
63 27.2 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: 200.86 ng

RT: 6.52 min Scan# 370

Delta R.T. -0.03 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

Instrument :

BNA_F

ClientSampleId :

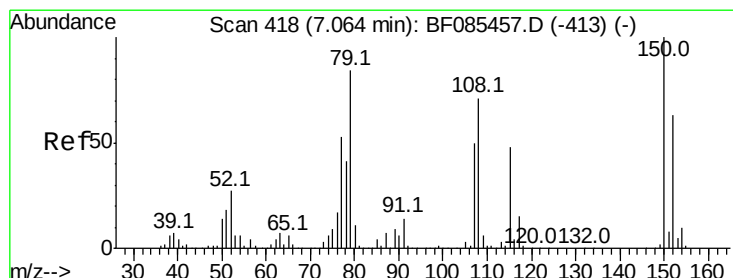
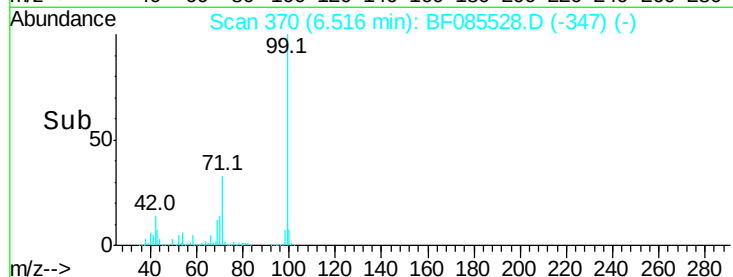
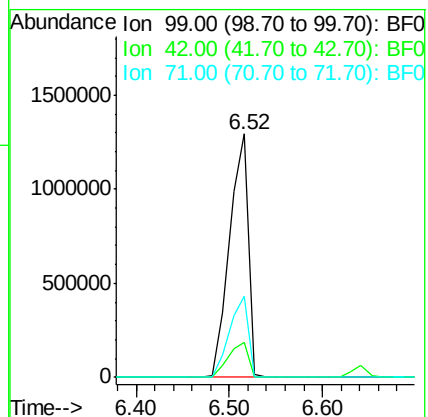
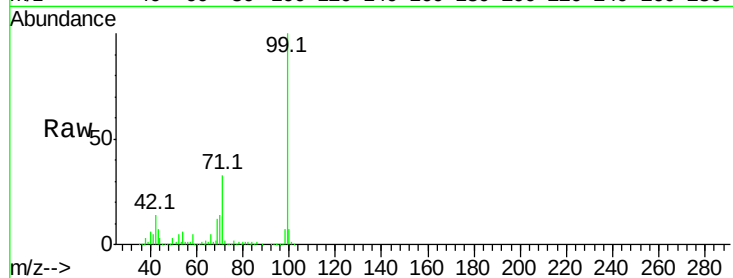
Tot Ion: 99 Resp: 1826851

Ion Ratio Lower Upper

99 100

42 14.3 13.6 20.4

71 33.3 26.7 40.1



#15

Benzyl Alcohol

Concen: 2.93 ng

RT: 7.03 min Scan# 415

Delta R.T. -0.03 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

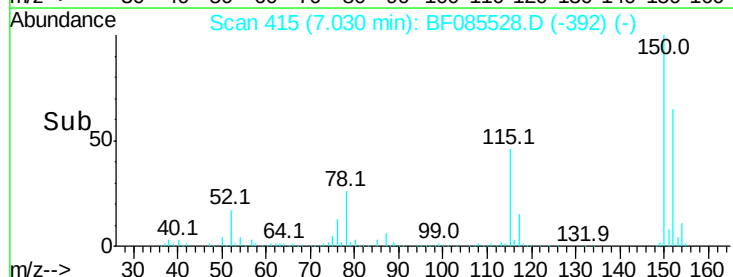
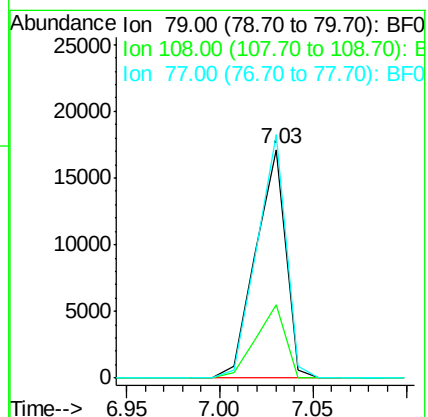
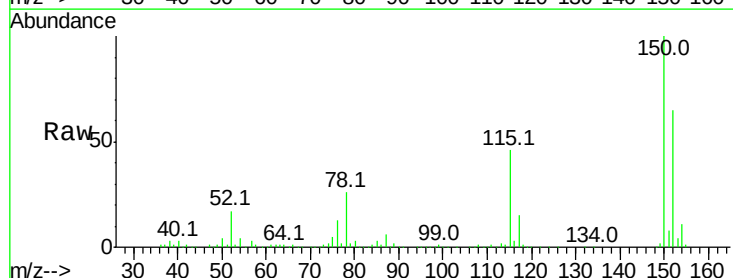
Tgt Ion: 79 Resp: 19042

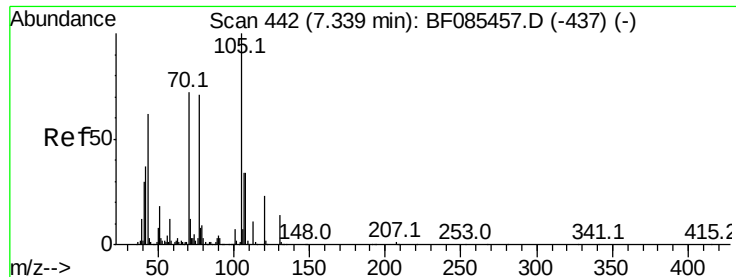
Ion Ratio Lower Upper

79 100

108 32.2 62.9 94.3#

77 106.4 49.5 74.3#





#19

n-Nitroso-di-n-propylamine

Concen: 29.70 ng

RT: 7.44 min Scan# 451

Delta R.T. 0.10 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

Instrument :

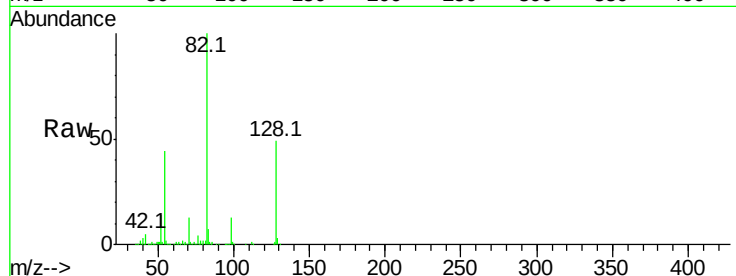
BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 161759

Ion Ratio Lower Upper

70	100		
42	39.0	37.7	56.5
101	0.0	8.2	12.4#
130	2.3	20.5	30.7#



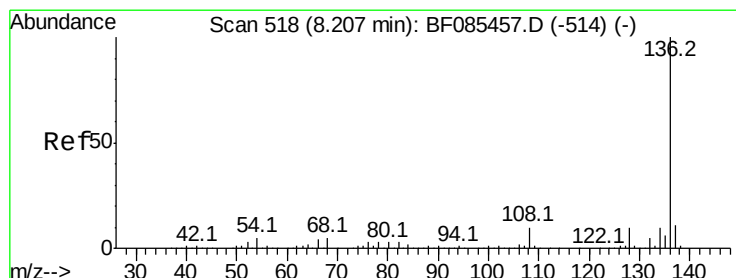
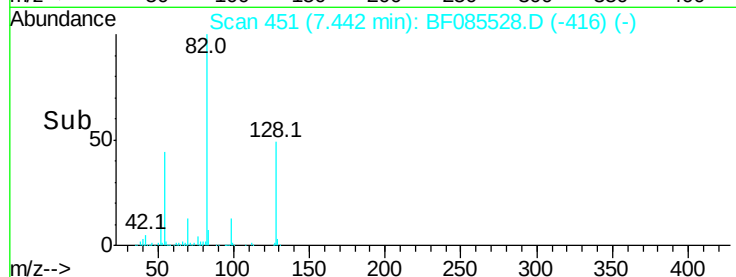
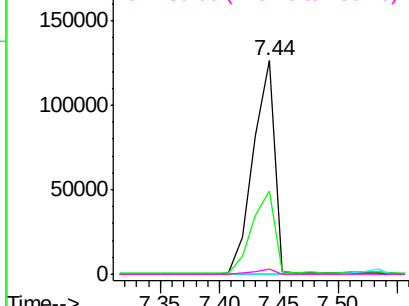
Abundance

Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 513

Delta R.T. -0.06 min

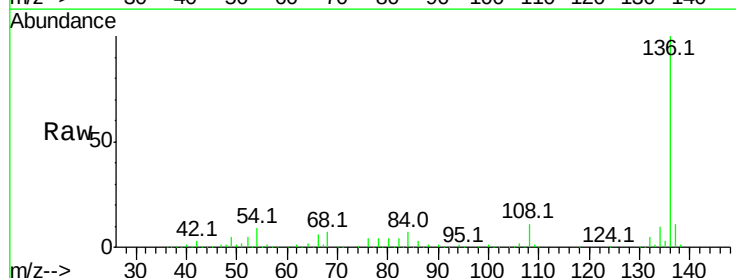
Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

Tgt Ion: 136 Resp: 426693

Ion Ratio Lower Upper

136	100		
137	11.4	9.3	13.9
54	9.3	7.4	11.2
68	7.2	6.0	9.0



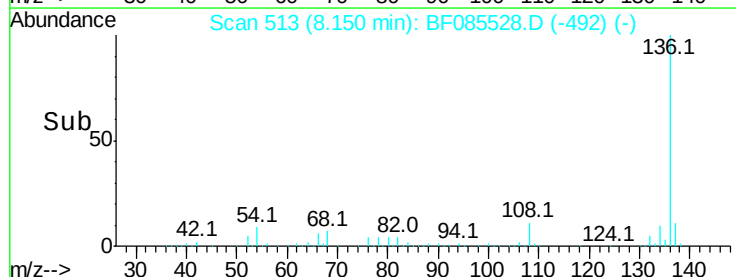
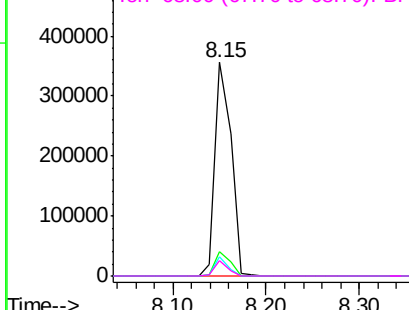
Abundance

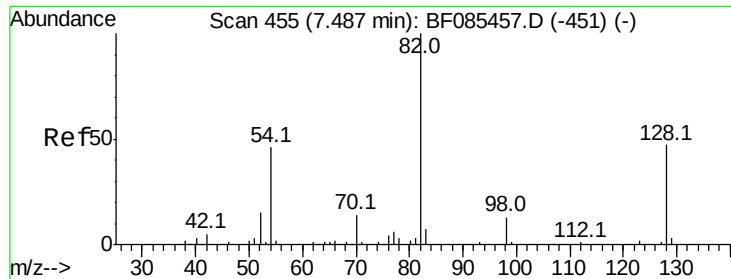
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



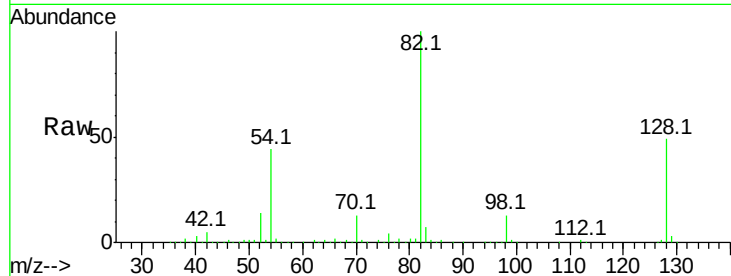


#23
 Nitrobenzene-d5
 Concen: 165.60 ng
 RT: 7.44 min Scan# 451
 Delta R.T. -0.05 min
 Lab File: BF085528.D
 Acq: 18 Mar 2016 10:09

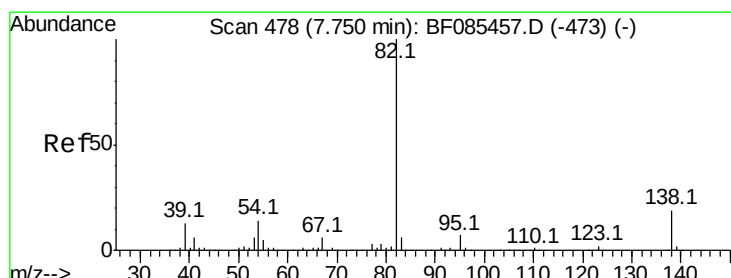
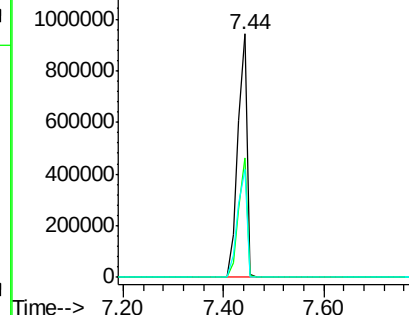
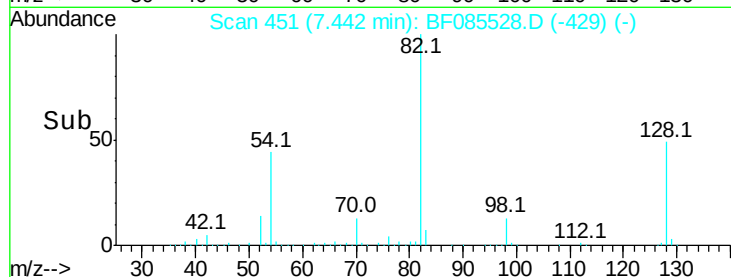
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 1195119

Ion	Ratio	Lower	Upper
82	100		
128	49.0	34.5	51.7
54	44.3	39.3	58.9



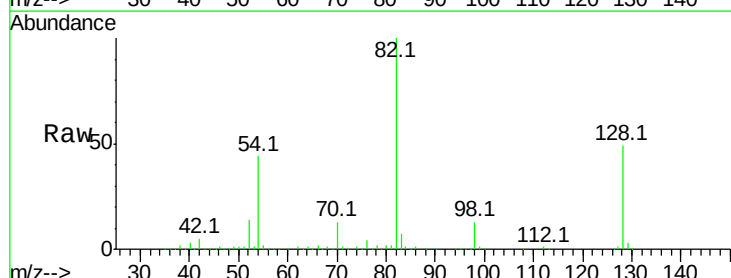
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0



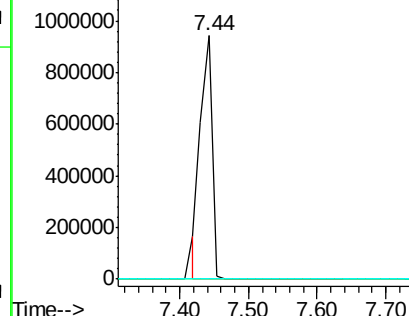
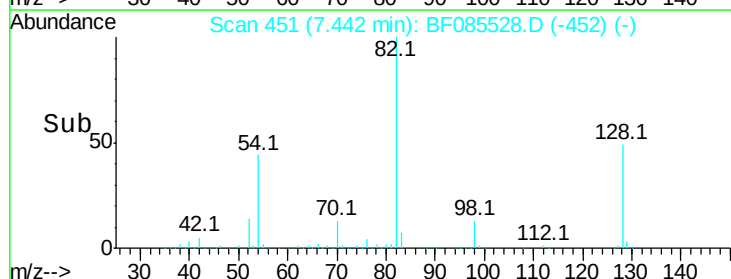
#25
 Isophorone
 Concen: 72.99 ng
 RT: 7.44 min Scan# 451
 Delta R.T. -0.31 min
 Lab File: BF085528.D
 Acq: 18 Mar 2016 10:09

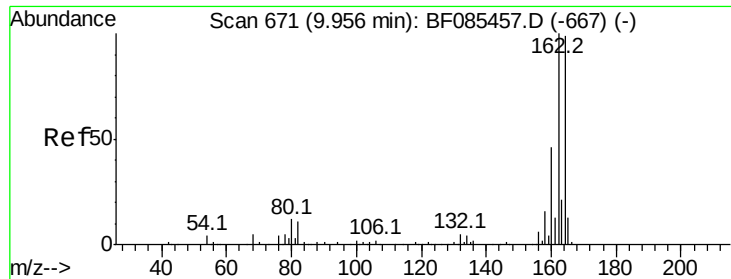
Tgt Ion: 82 Resp: 1074169

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

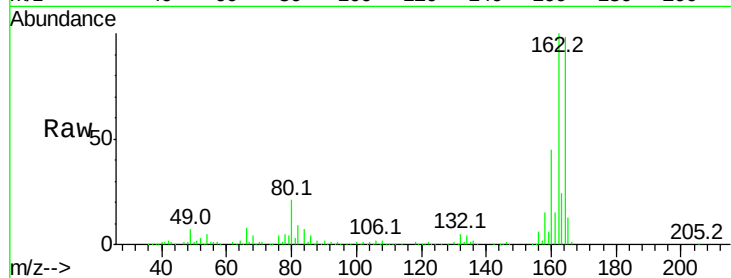




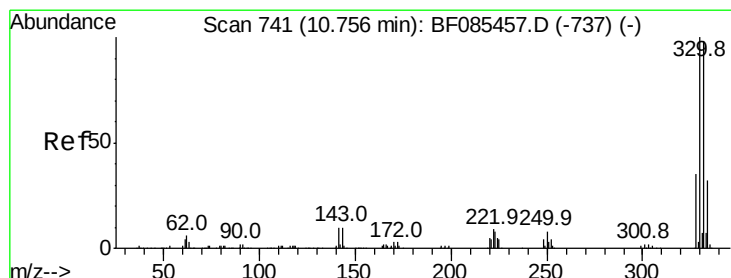
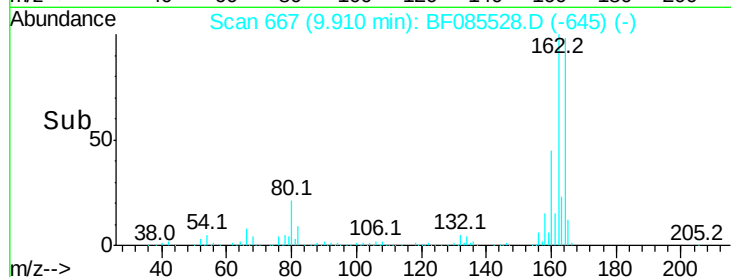
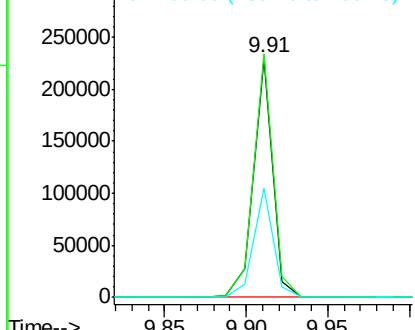
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF085528.D
Acq: 18 Mar 2016 10:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 188683
Ion Ratio Lower Upper
164 100
162 101.8 83.3 124.9
160 45.9 37.9 56.9

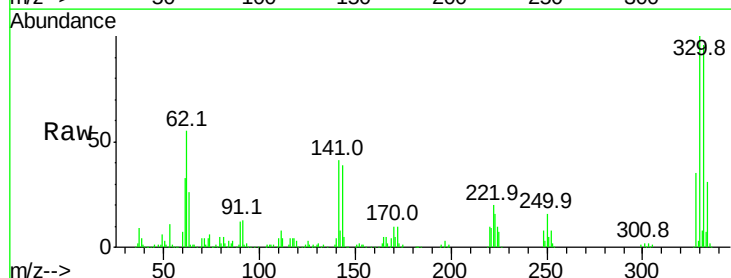


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

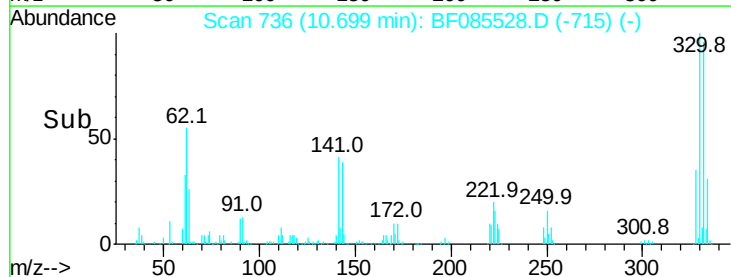
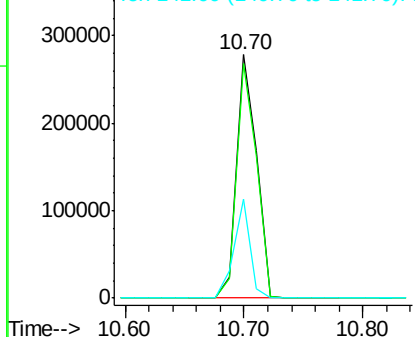


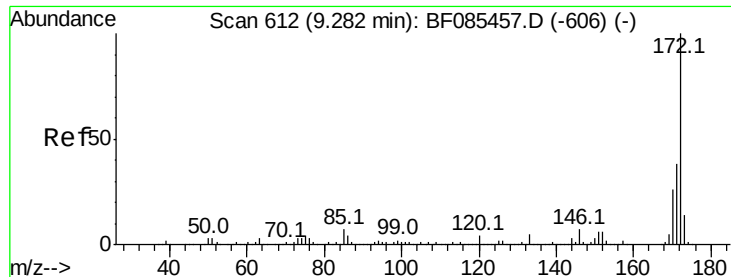
#41
2,4,6-Tribromophenol
Concen: 188.24 ng
RT: 10.70 min Scan# 736
Delta R.T. -0.06 min
Lab File: BF085528.D
Acq: 18 Mar 2016 10:09

Tgt Ion:330 Resp: 327135
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 33.5 35.0 52.6#



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





#44

2-Fluorobiphenyl

Concen: 138.78 ng

RT: 9.24 min Scan# 608

Delta R.T. -0.05 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

Instrument :

BNA_F

ClientSampleId :

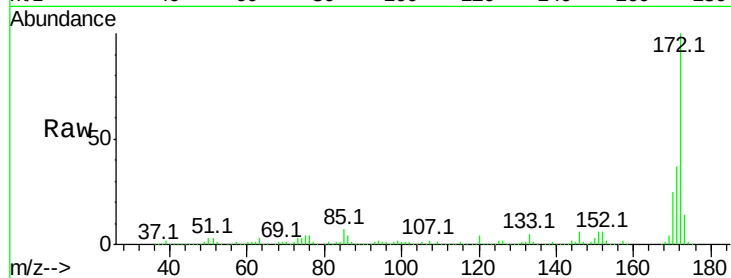
Tot Ion:172 Resp: 1509366

Ion Ratio Lower Upper

172 100

171 37.3 29.3 43.9

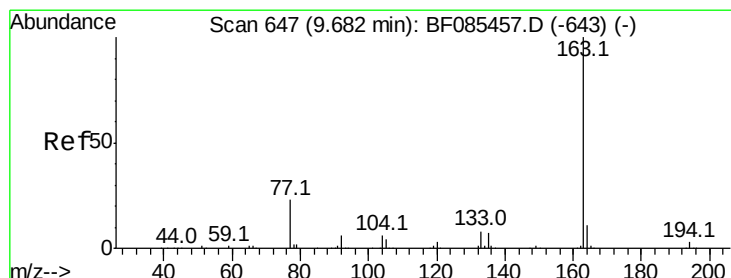
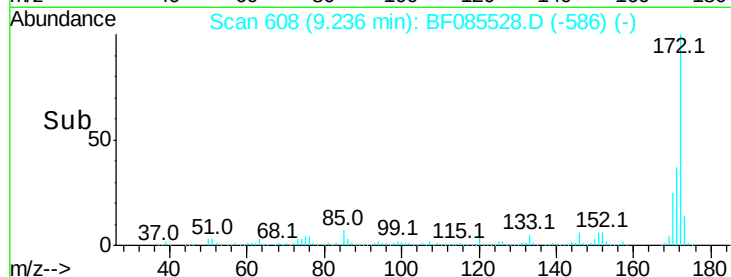
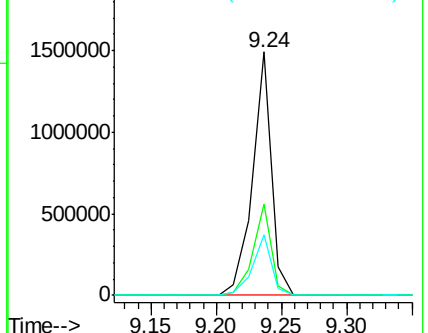
170 24.8 20.0 30.0



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: 25.49 ng

RT: 9.62 min Scan# 642

Delta R.T. -0.06 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

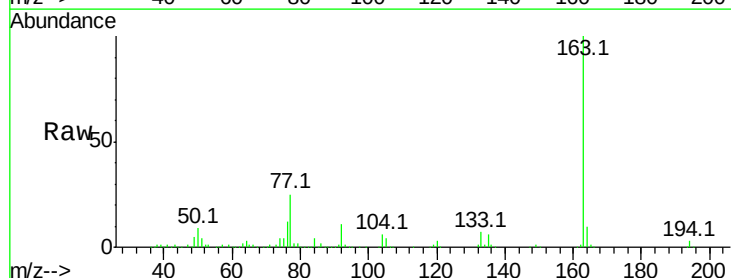
Tgt Ion:163 Resp: 350868

Ion Ratio Lower Upper

163 100

194 3.2 3.1 4.7

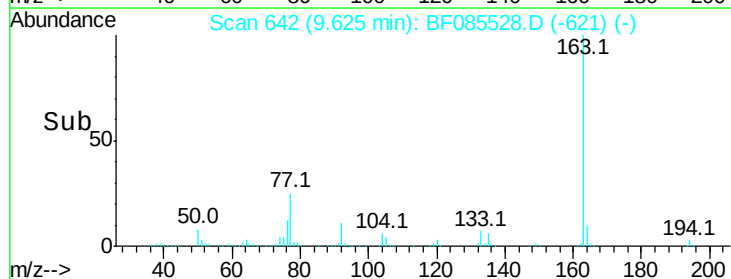
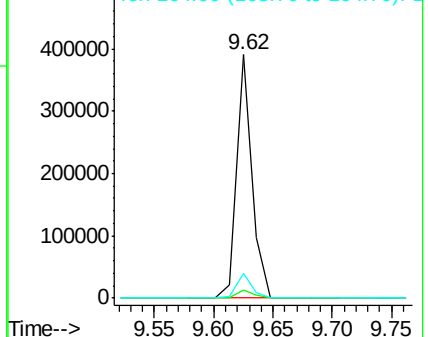
164 10.2 8.2 12.4

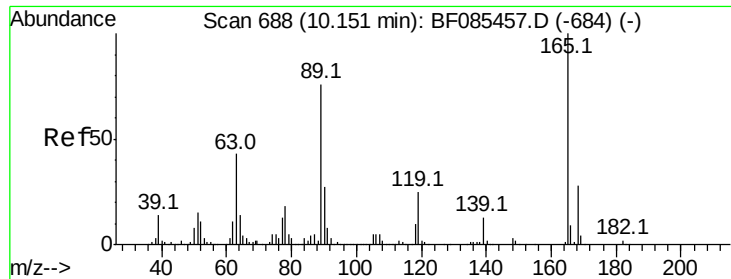


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

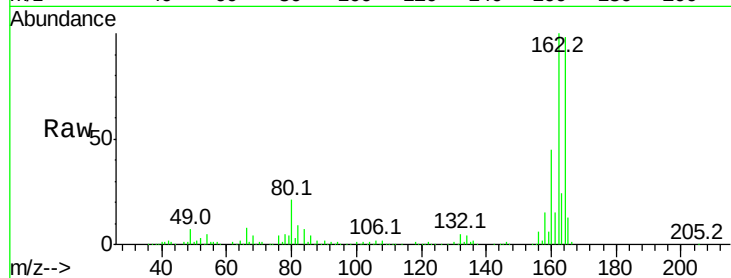




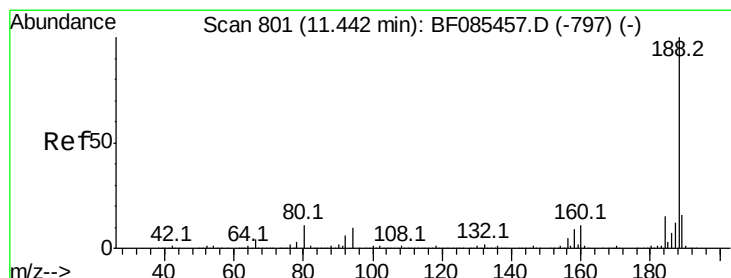
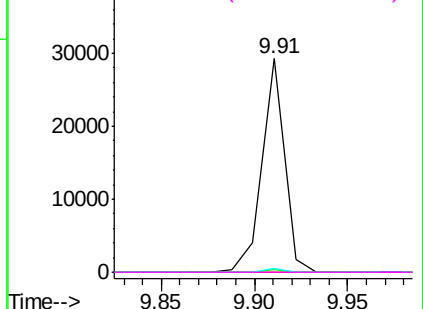
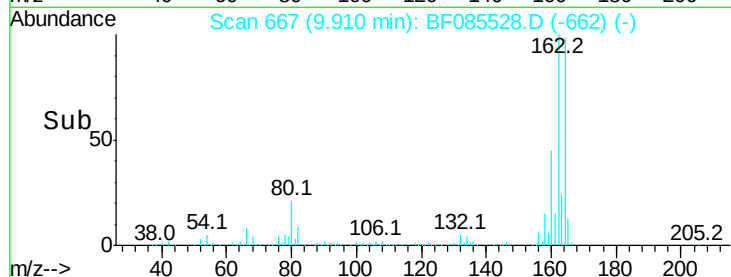
#56
2,4-Dinitrotoluene
Concen: 6.39 ng
RT: 9.91 min Scan# 667
Delta R.T. -0.24 min
Lab File: BF085528.D
Acq: 18 Mar 2016 10:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 24362
Ion Ratio Lower Upper
165 100
63 1.2 35.4 53.0#
89 1.8 61.9 92.9#
182 0.0 1.9 2.9#

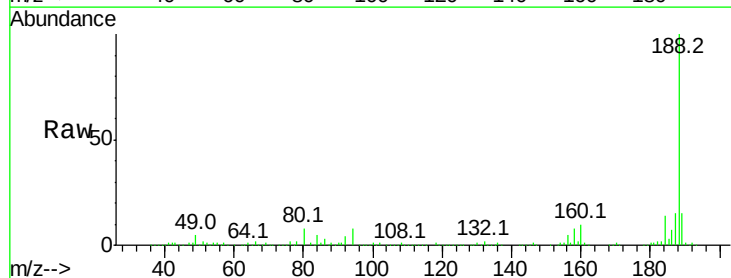


Abundance Ion 165.00 (164.70 to 165.70): E

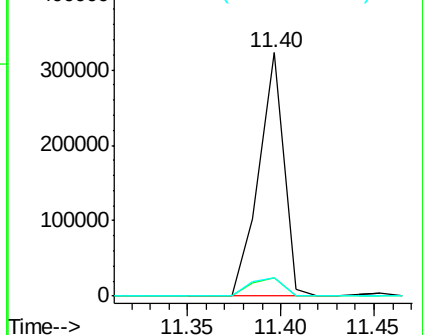
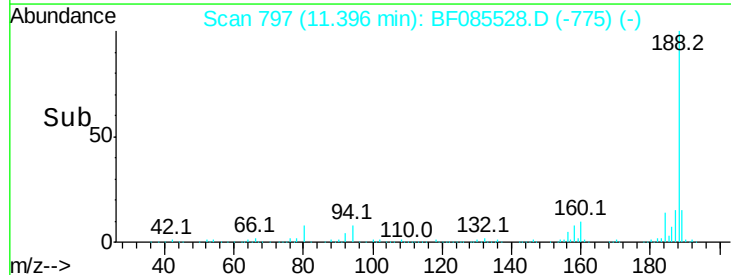


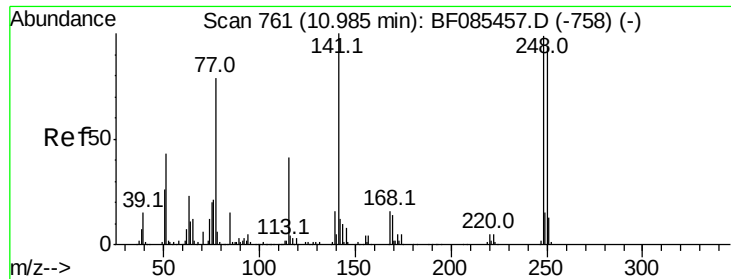
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.05 min
Lab File: BF085528.D
Acq: 18 Mar 2016 10:09

Tgt Ion:188 Resp: 299910
Ion Ratio Lower Upper
188 100
94 7.6 7.0 10.6
80 7.6 7.4 11.0



Abundance Ion 188.00 (187.70 to 188.70): E

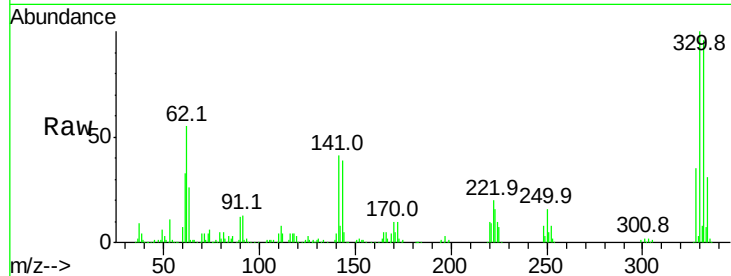




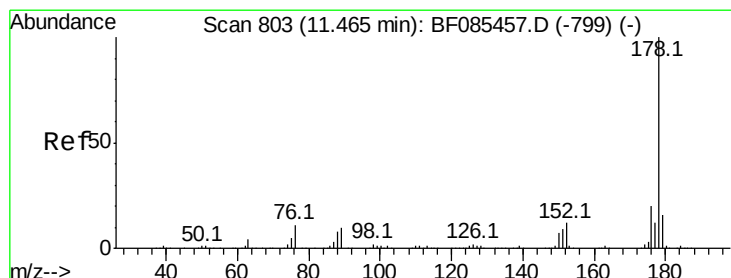
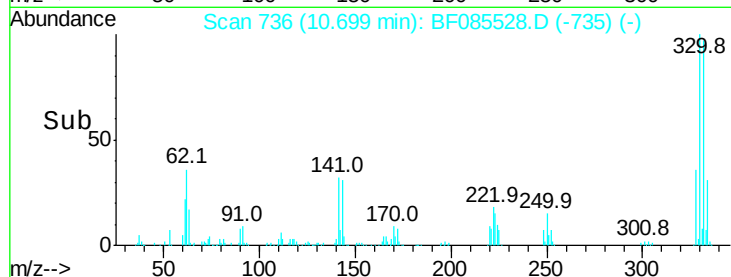
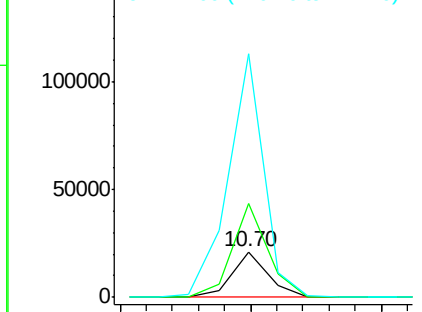
#66
 4-Bromophenyl-phenylether
 Concen: 6.68 ng
 RT: 10.70 min Scan# 736
 Delta R.T. -0.29 min
 Lab File: BF085528.D
 Acq: 18 Mar 2016 10:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 20275
 Ion Ratio Lower Upper
 248 100
 250 204.5 77.1 115.7#
 141 533.9 66.2 99.2#

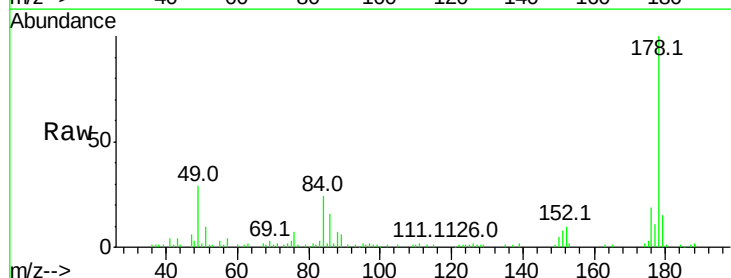


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

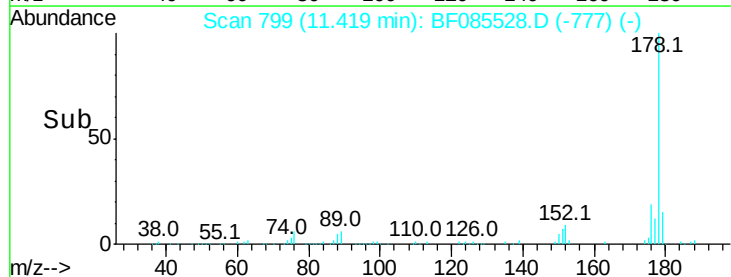
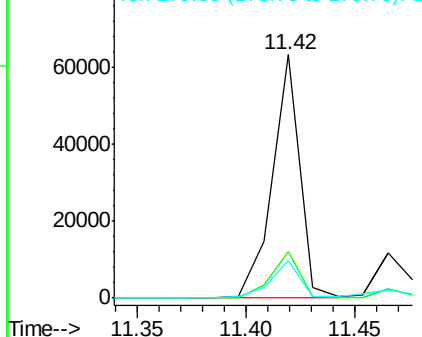


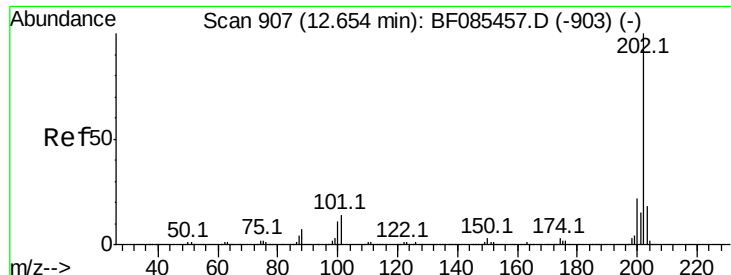
#70
 Phenanthrene
 Concen: 3.59 ng
 RT: 11.42 min Scan# 799
 Delta R.T. -0.05 min
 Lab File: BF085528.D
 Acq: 18 Mar 2016 10:09

Tgt Ion:178 Resp: 56033
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.8 25.2
 179 15.5 13.1 19.7



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





#74

Fluoranthene

Concen: 6.86 ng

RT: 12.61 min Scan# 903

Delta R.T. -0.05 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

Instrument :

BNA_F

ClientSampleId :

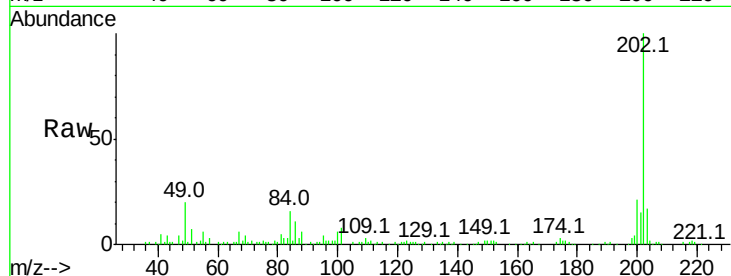
Tot Ion:202 Resp: 100700

Ion Ratio Lower Upper

202 100

101 8.2 0.0 31.8

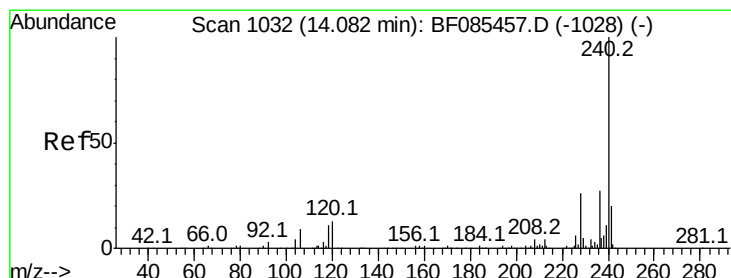
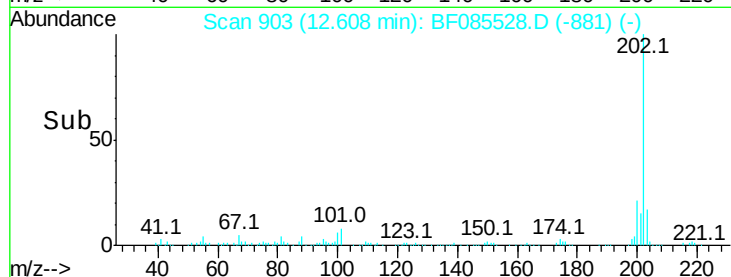
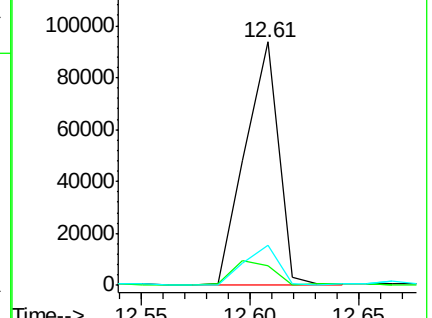
203 16.7 0.0 38.4



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: BF085528.D

Acq: 18 Mar 2016 10:09

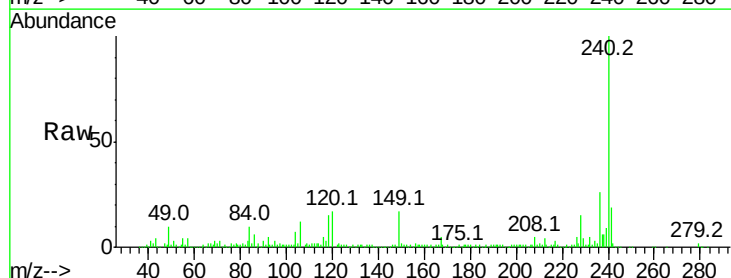
Tgt Ion:240 Resp: 179600

Ion Ratio Lower Upper

240 100

120 16.6 5.3 7.9#

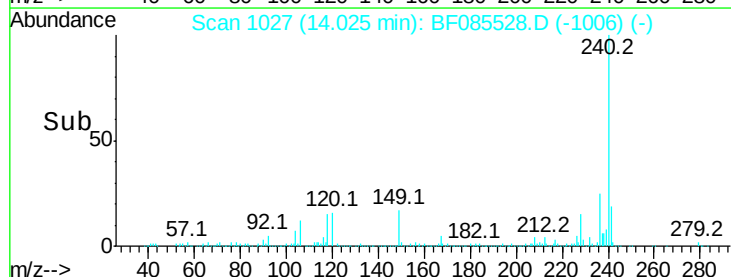
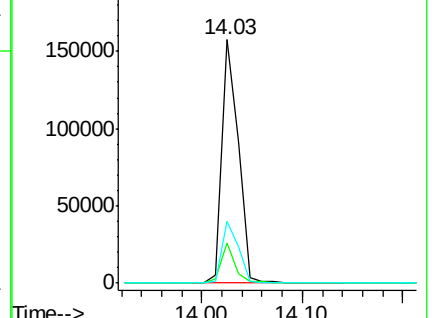
236 25.6 20.7 31.1

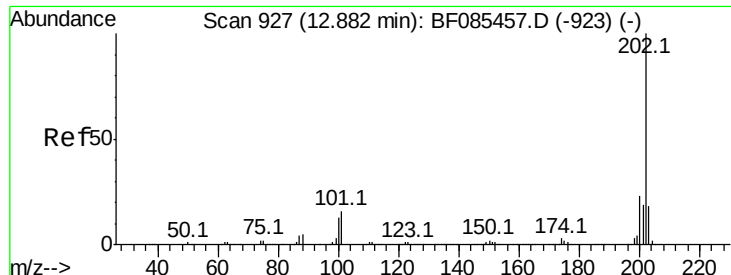


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.03 ng

RT: 12.84 min Scan# 923

Delta R.T. -0.05 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

Instrument :

BNA_F

ClientSampleId :

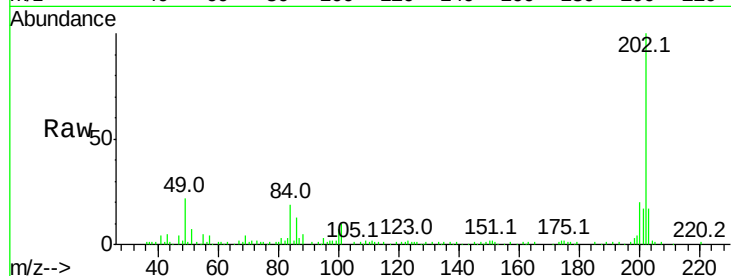
Tot Ion:202 Resp: 94694

Ion Ratio Lower Upper

202 100

200 20.3 18.2 27.4

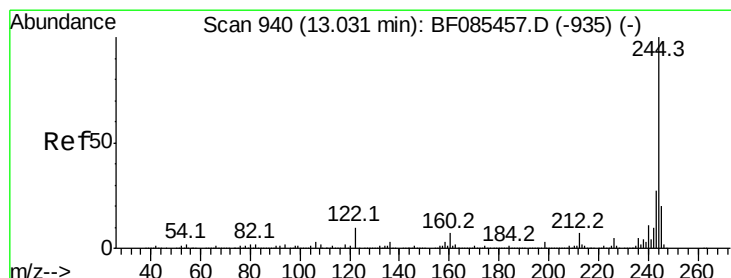
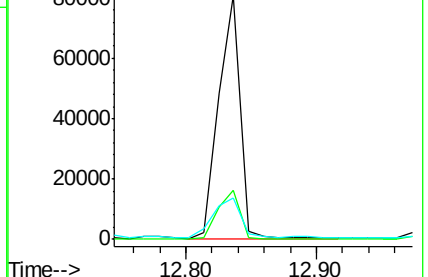
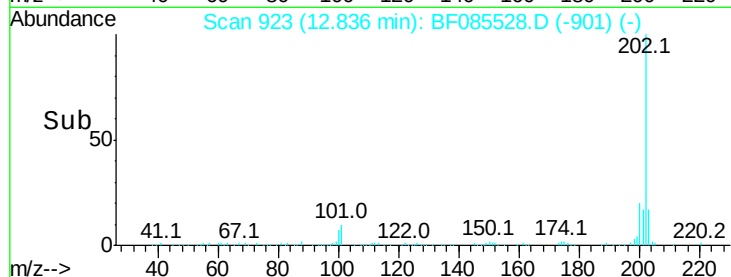
203 17.1 14.7 22.1



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: 142.22 ng

RT: 12.99 min Scan# 936

Delta R.T. -0.05 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

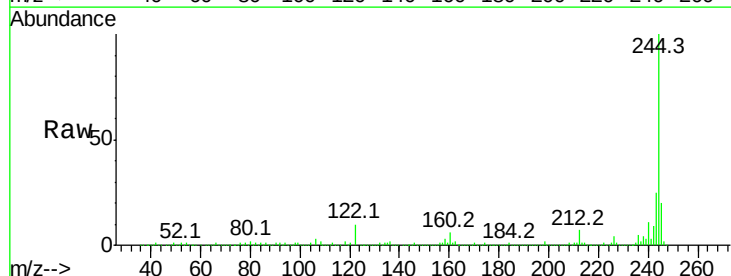
Tgt Ion:244 Resp: 1129127

Ion Ratio Lower Upper

244 100

212 7.0 6.4 9.6

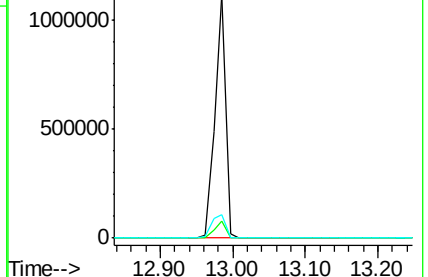
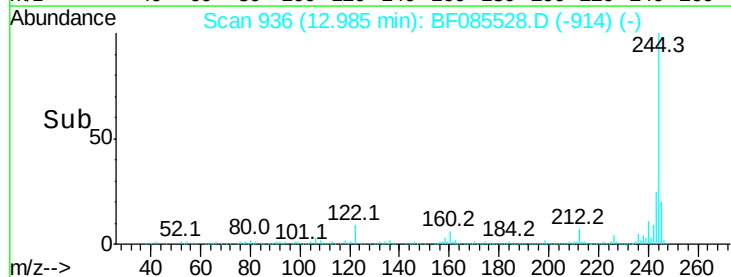
122 9.5 11.4 17.2#

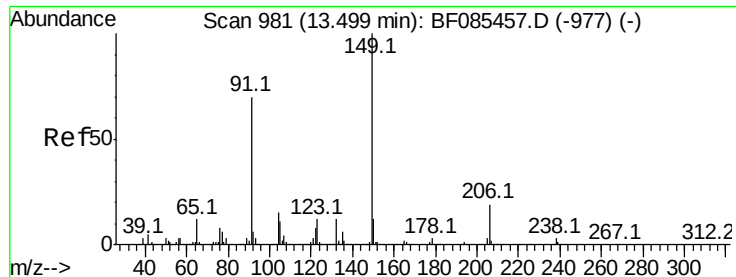


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 3.93 ng

RT: 13.45 min Scan# 977

Delta R.T. -0.05 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

Instrument :

BNA_F

ClientSampleId :

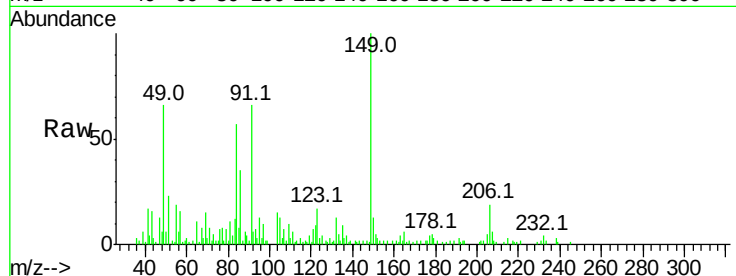
Tot Ion:149 Resp: 23145

Ion Ratio Lower Upper

149 100

91 66.4 69.0 103.4#

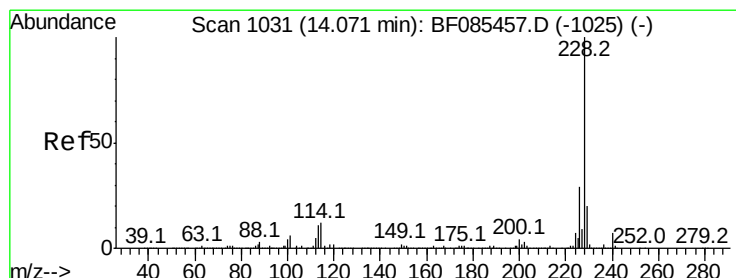
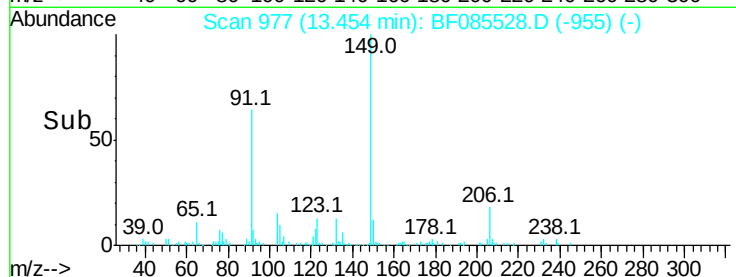
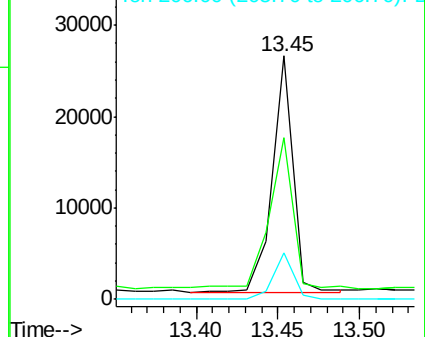
206 18.8 12.3 18.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 4.49 ng

RT: 14.01 min Scan# 1026

Delta R.T. -0.06 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

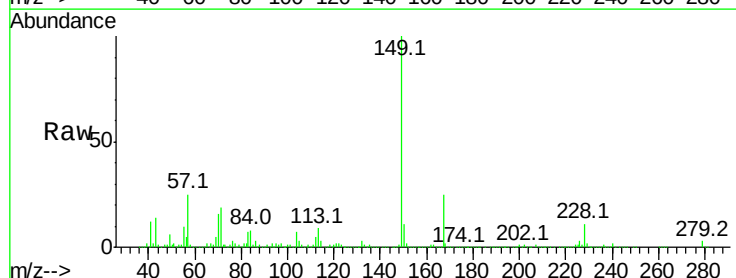
Tgt Ion:228 Resp: 46205

Ion Ratio Lower Upper

228 100

226 31.1 22.8 34.2

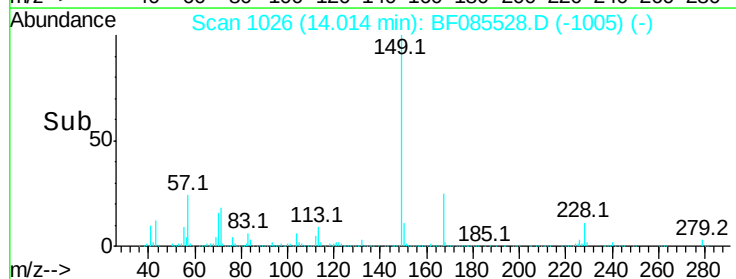
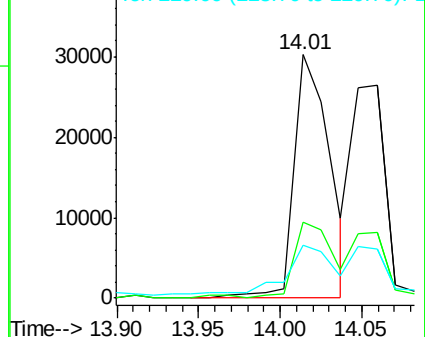
229 21.5 16.6 24.8

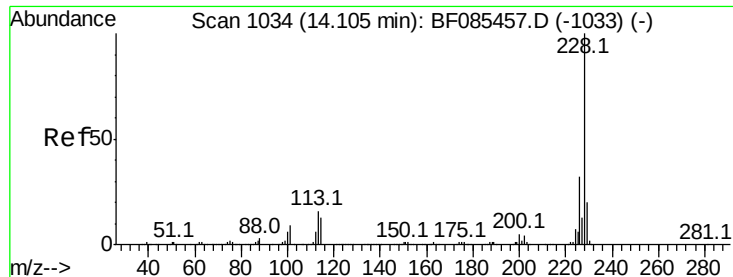


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

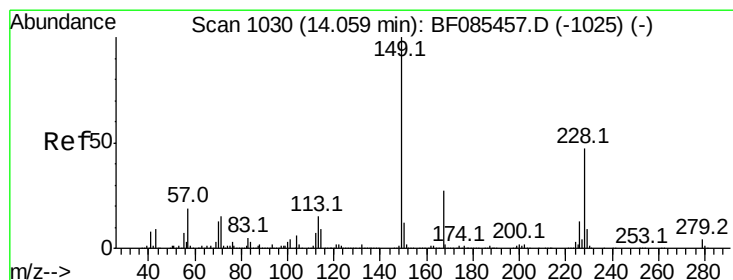
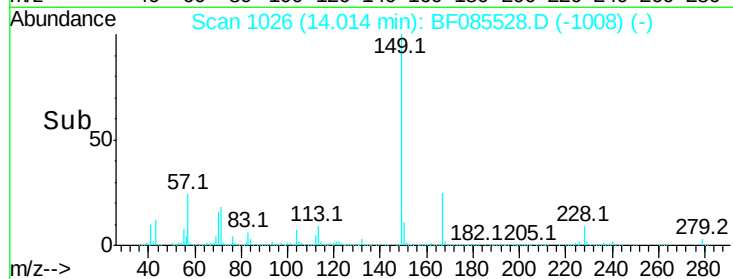
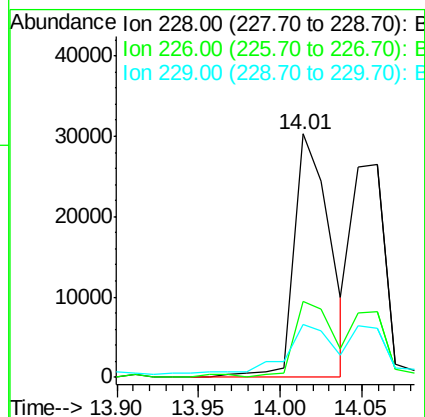
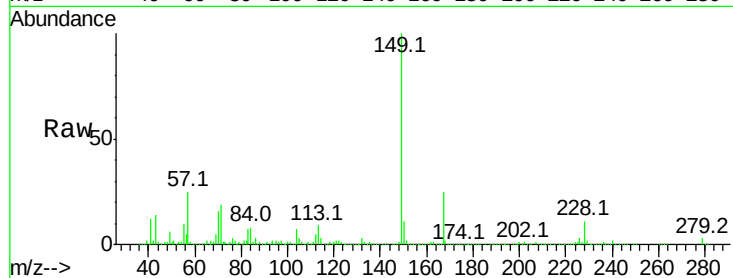




#82
 Chrysene
 Concen: 4.99 ng
 RT: 14.01 min Scan# 1026
 Delta R.T. -0.09 min
 Lab File: BF085528.D
 Acq: 18 Mar 2016 10:09

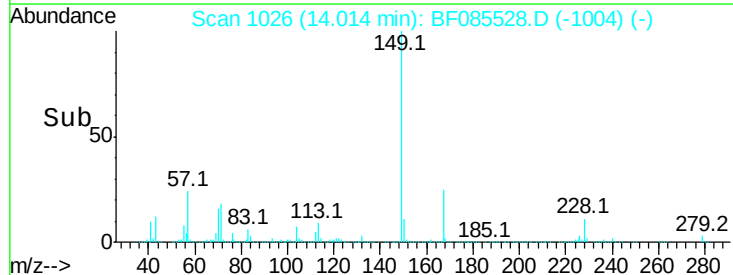
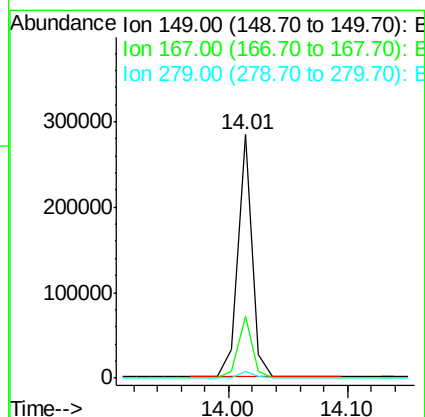
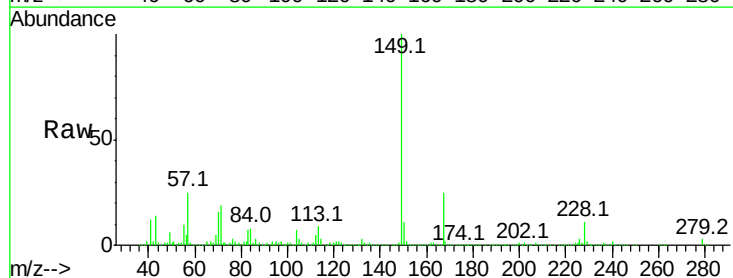
Instrument :
 BNA_F
 ClientSampleId :

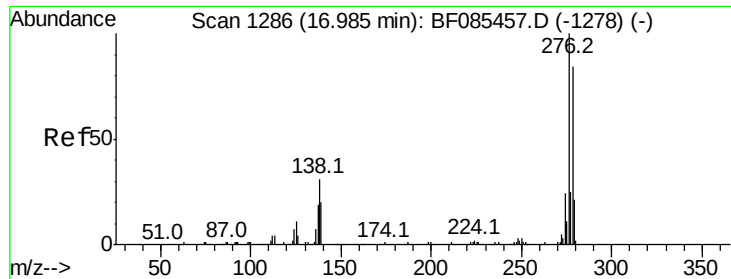
Tot Ion:	228	Resp:	46205
Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.2	37.8
229	21.5	16.0	24.0



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 32.85 ng
 RT: 14.01 min Scan# 1026
 Delta R.T. -0.05 min
 Lab File: BF085528.D
 Acq: 18 Mar 2016 10:09

Tgt Ion:	149	Resp:	236007
Ion	Ratio	Lower	Upper
149	100		
167	25.1	20.3	30.5
279	2.6	1.9	2.9

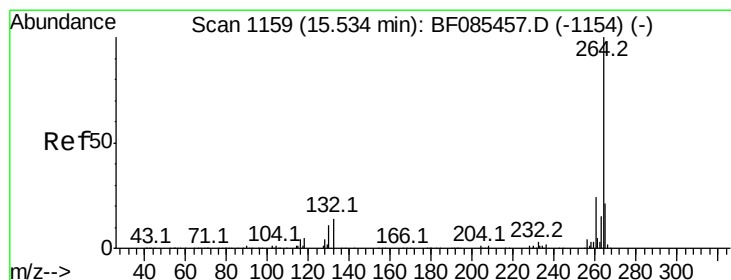
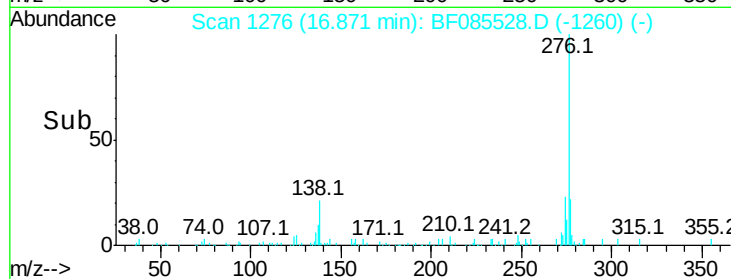
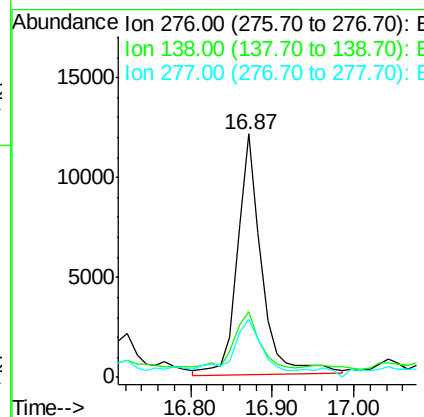
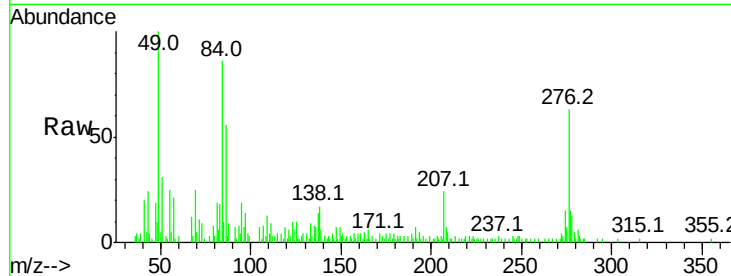




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.79 ng
 RT: 16.87 min Scan# 1276
 Delta R.T. -0.11 min
 Lab File: BF085528.D
 Acq: 18 Mar 2016 10:09

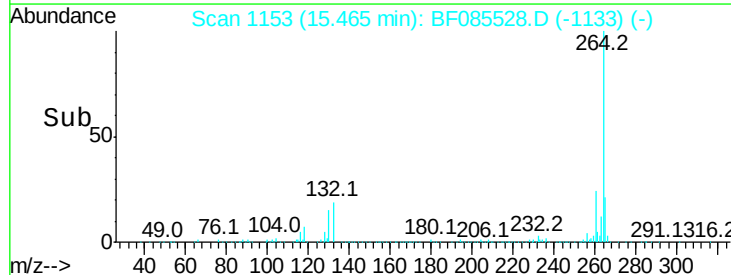
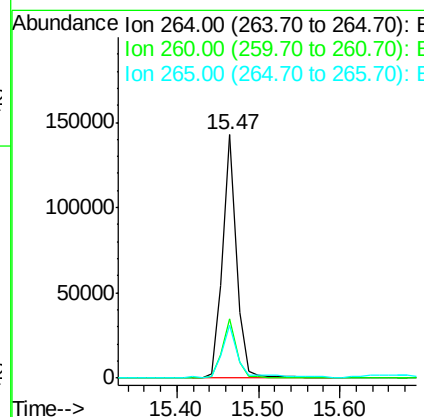
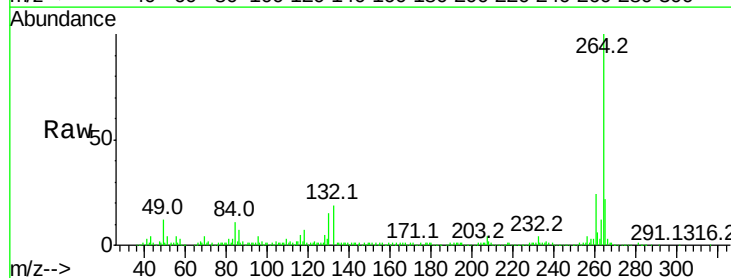
Instrument :
 BNA_F
 ClientSampleId :

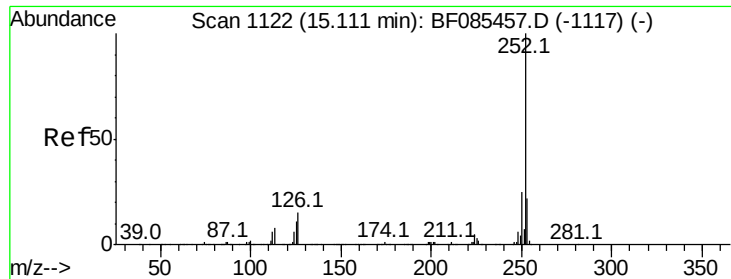
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.6	26.4	39.6#
277	25.4	20.2	30.2



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.47 min Scan# 1153
 Delta R.T. -0.07 min
 Lab File: BF085528.D
 Acq: 18 Mar 2016 10:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.6	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 6.48 ng

RT: 15.05 min Scan# 1117

Delta R.T. -0.06 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

Instrument :

BNA_F

ClientSampleId :

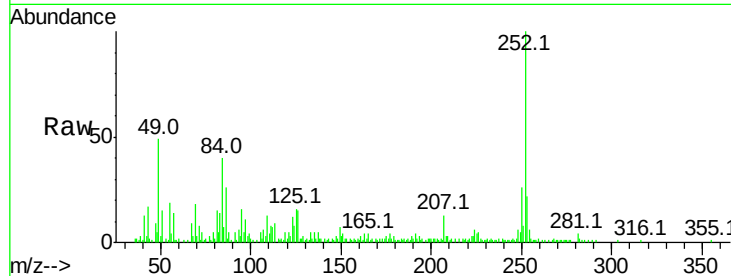
Tot Ion:252 Resp: 72503

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

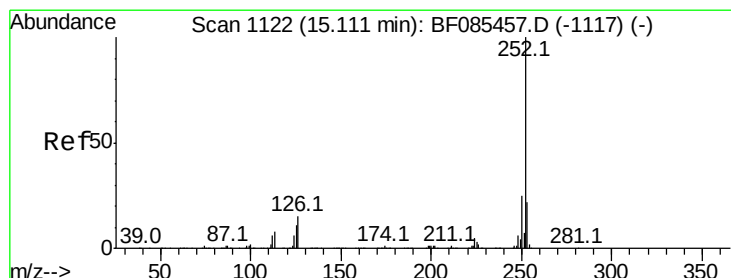
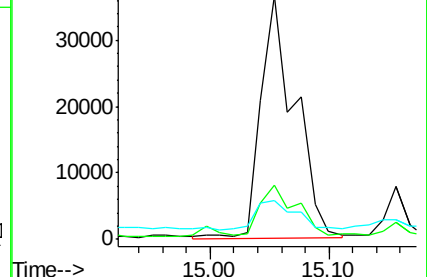
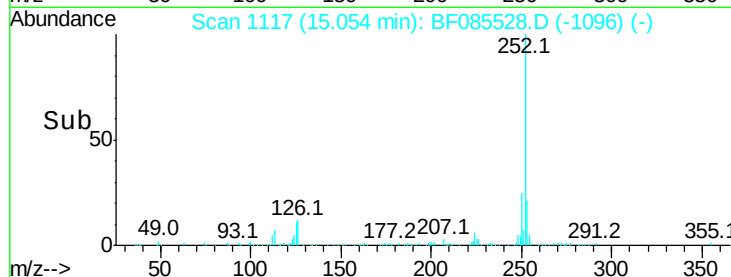
125 16.1 11.3 16.9



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: 8.27 ng

RT: 15.05 min Scan# 1117

Delta R.T. -0.09 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

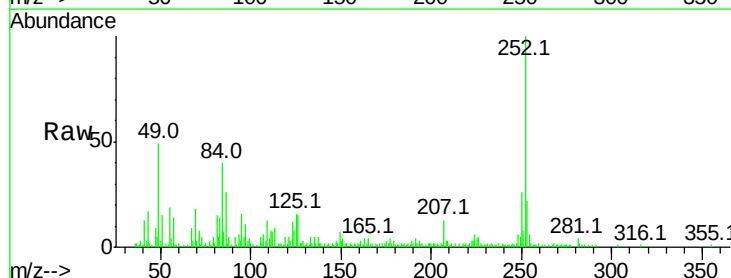
Tgt Ion:252 Resp: 72503

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

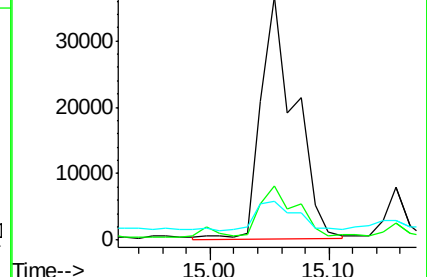
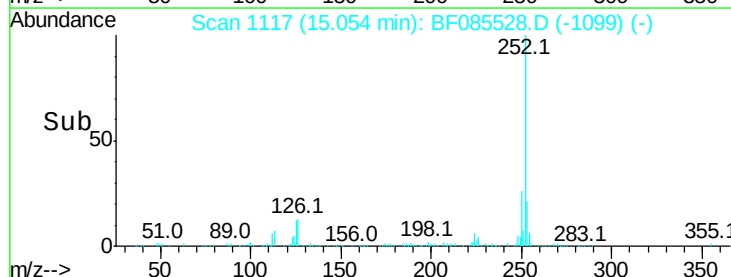
125 16.1 10.4 15.6#

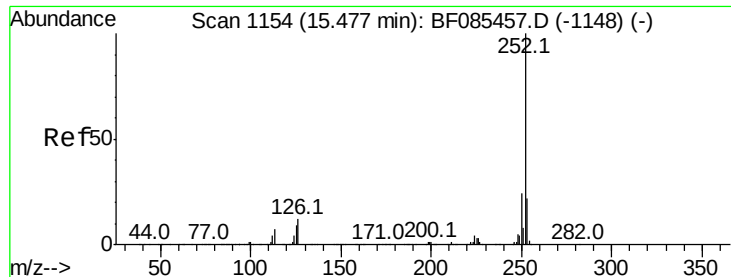


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.82 ng

RT: 15.41 min Scan# 1148

Delta R.T. -0.07 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

Instrument :

BNA_F

ClientSampleId :

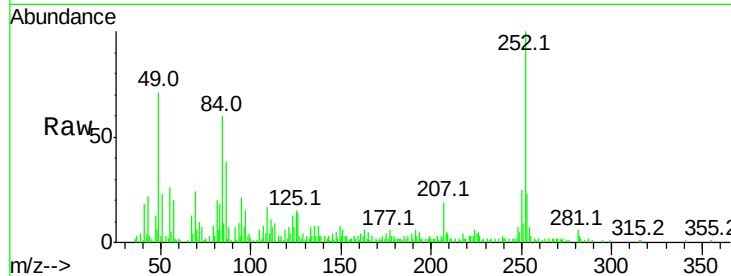
Tot Ion:252 Resp: 36932

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

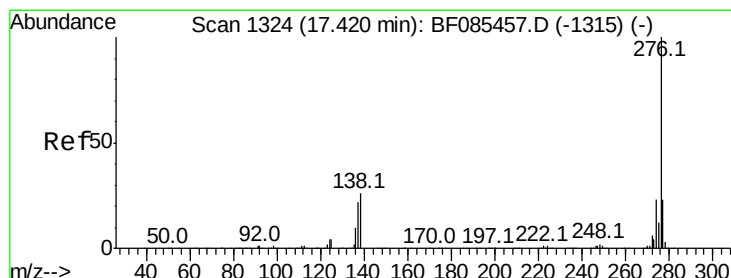
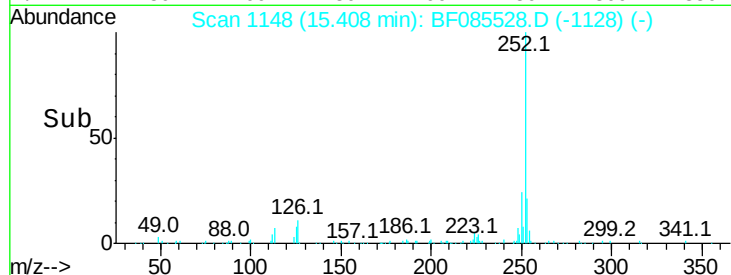
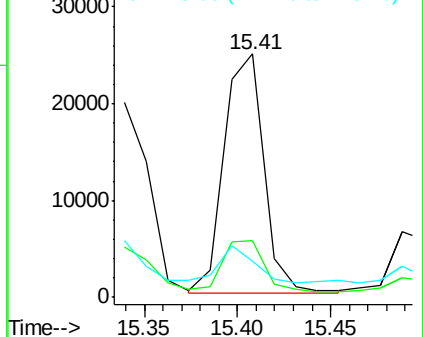
125 15.1 8.2 12.4#



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: 2.43 ng

RT: 17.29 min Scan# 1313

Delta R.T. -0.13 min

Lab File: BF085528.D

Acq: 18 Mar 2016 10:09

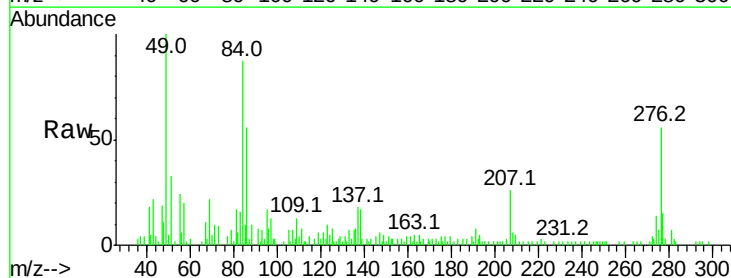
Tgt Ion:276 Resp: 23414

Ion Ratio Lower Upper

276 100

277 27.7 19.0 28.4

138 30.8 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

