

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
 Data File : BF085181.D
 Acq On : 4 Mar 2016 2:49
 Operator : SJ/UM
 Sample : H1648-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-48(COMP)

Manual Integrations
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Quant Time: Mar 04 07:32:15 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	6.97	152	153181	20.00	ng	-0.01
21) Naphthalene-d8	8.26	136	666934	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	286902	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	549238	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	380764	20.00	ng	-0.01
86) Perylene-d12	15.60	264	284890	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1232100	134.92	ng	0.01
7) Phenol-d6	6.60	99	1673336	139.86	ng	-0.01
23) Nitrobenzene-d5	7.54	82	1042508	83.65	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	331833	135.17	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1364513	72.33	ng	-0.01
78) Terphenyl-d14	13.09	244	1188569	72.46	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.73	163	364866	16.57	ng	Qvalue 99
70) Phenanthrene	11.52	178	105902m	3.68	ng	
74) Fluoranthene	12.71	202	213614	7.39	ng	98
77) Pyrene	12.94	202	200050	6.98	ng	97
80) Benzo(a)anthracene	14.13	228	88816m	3.90	ng	
82) Chrysene	14.16	228	79202m	3.76	ng	
83) Bis(2-ethylhexyl)phthalate	14.12	149	35035	2.05	ng	# 99
85) Indeno(1,2,3-cd)pyrene	17.07	276	40878m	2.49	ng	
87) Benzo(b)fluoranthene	15.18	252	89406m	4.71	ng	
89) Benzo(a)pyrene	15.55	252	64095	4.07	ng	100
91) Benzo(g,h,i)perylene	17.51	276	43533	3.22	ng	98

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

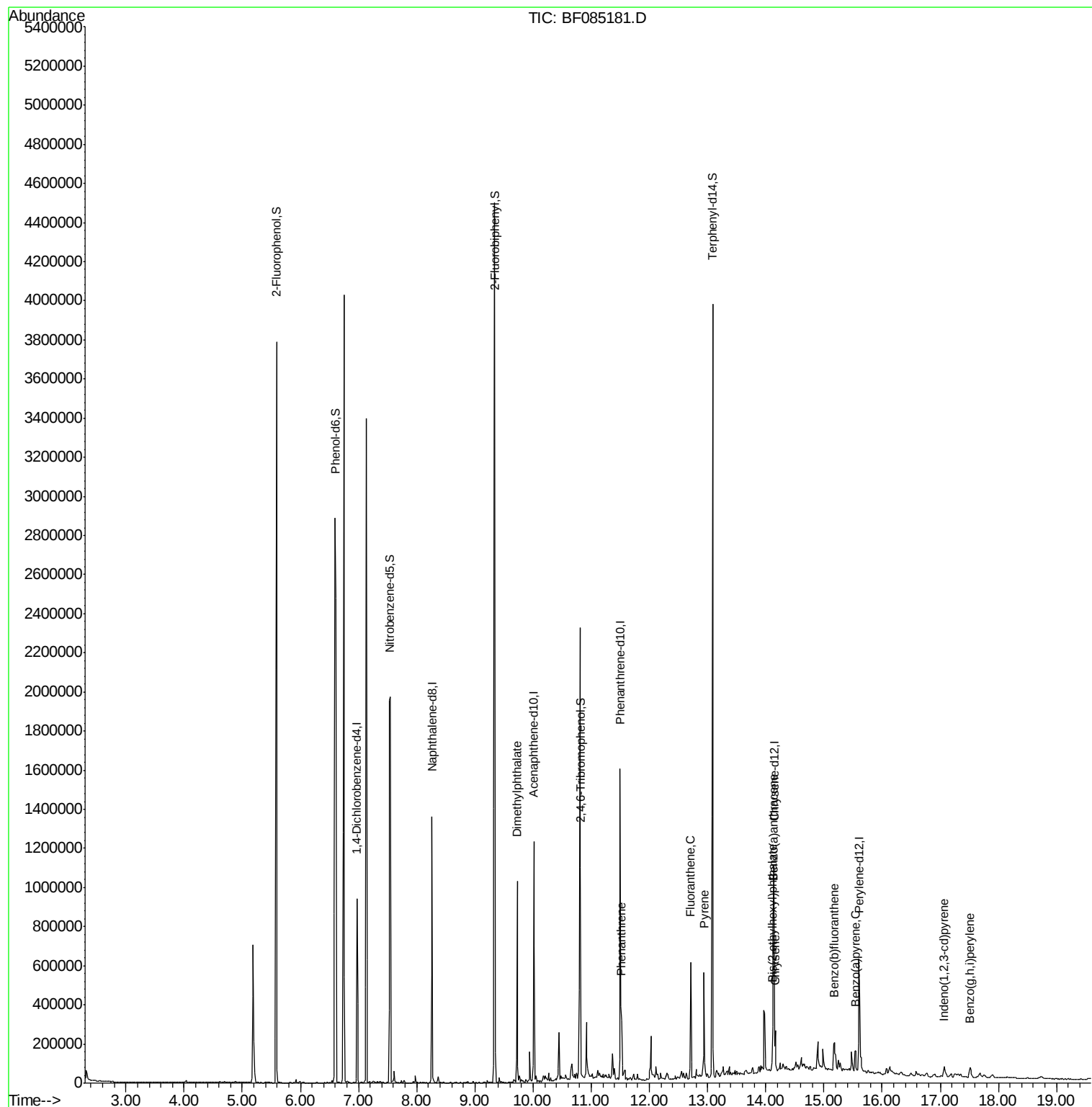
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085181.D
Acq On : 4 Mar 2016 2:49
Operator : SJ/UM
Sample : H1648-06
Misc :
ALS Vial : 25 Sample Multiplier: 1

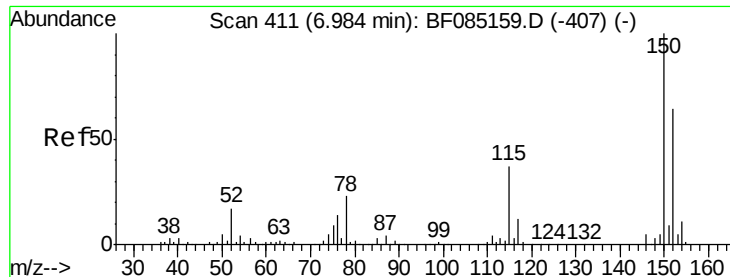
Instrument :
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.97 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF085181.D

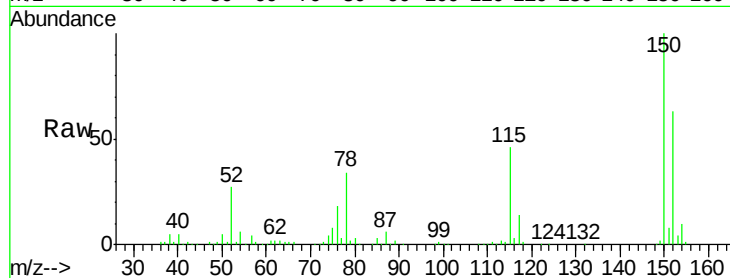
Acq: 4 Mar 2016 2:49

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:152 Resp: 153181

Ion Ratio Lower Upper

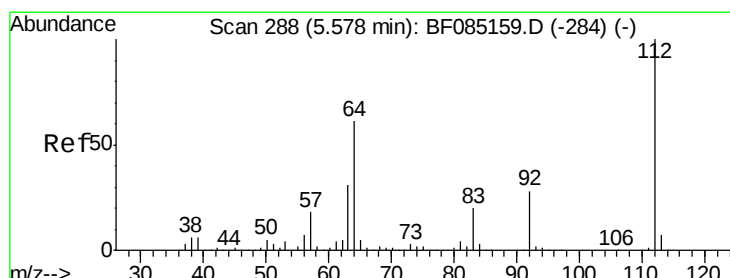
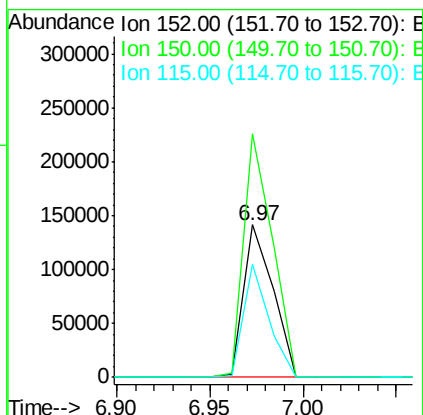
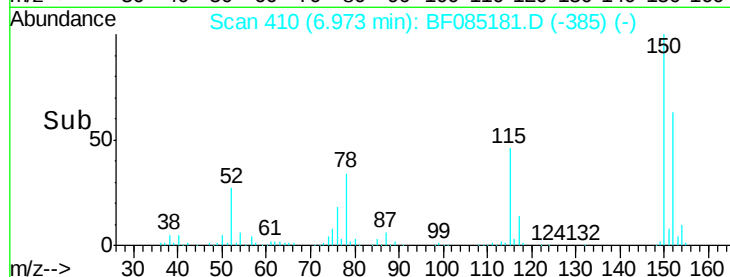
152 100

150 160.0 124.6 186.8

115 73.9 46.6 70.0#

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#5

2-Fluorophenol

Concen: 134.92 ng

RT: 5.59 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF085181.D

Acq: 4 Mar 2016 2:49

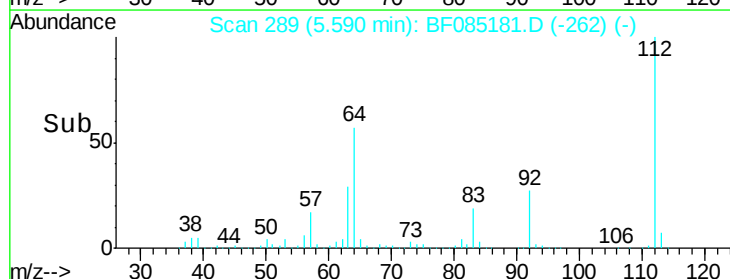
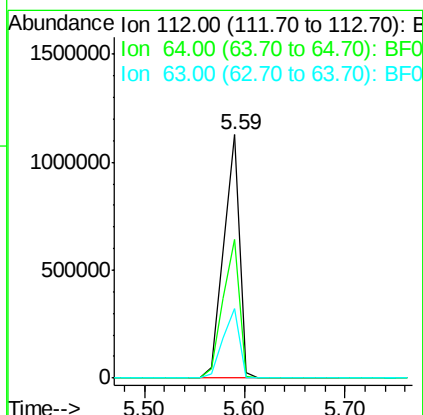
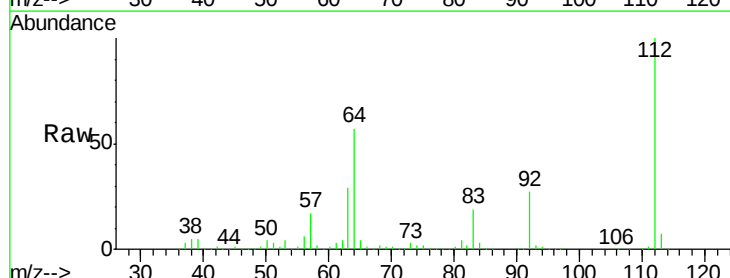
Tgt Ion:112 Resp: 1232100

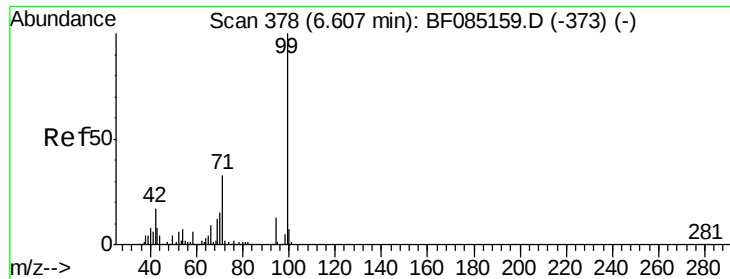
Ion Ratio Lower Upper

112 100

64 56.8 49.0 73.4

63 28.8 24.8 37.2





#7

Phenol-d6

Concen: 139.86 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF085181.D

Acq: 4 Mar 2016 2:49

Instrument :

BNA_F

ClientSampleId :

SB-48(COMP)

Tgt Ion: 99 Resp: 1673336

Ion Ratio Lower Upper

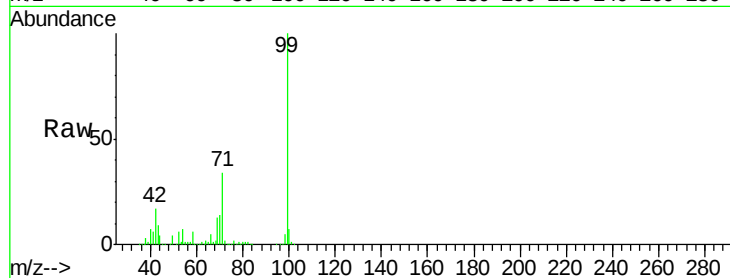
99 100

42 17.3 13.6 20.4

71 33.8 26.7 40.1

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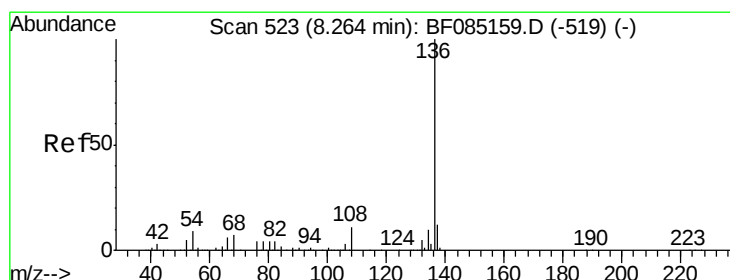
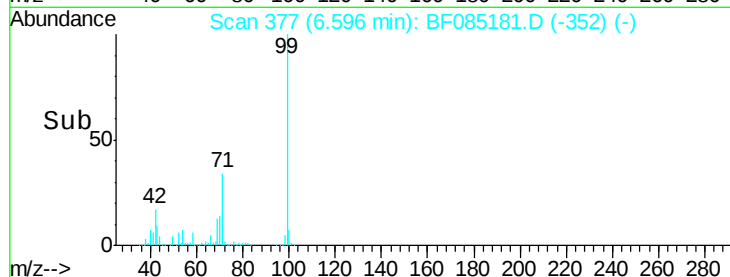
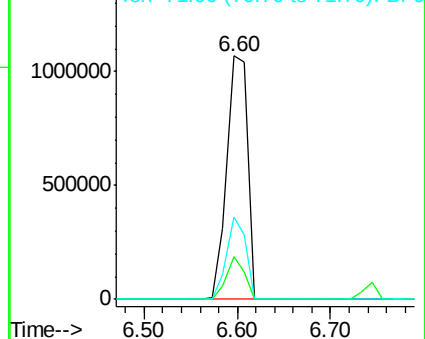
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF085181.D

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Tgt Ion: 136 Resp: 666934

Ion Ratio Lower Upper

136 100

137 10.9 9.3 13.9

54 6.4 7.4 11.2#

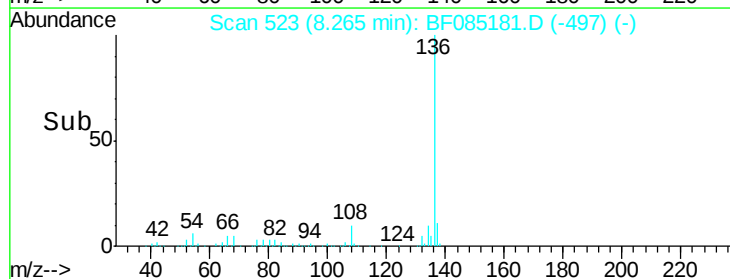
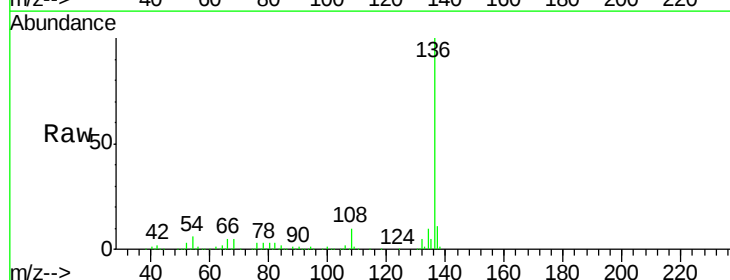
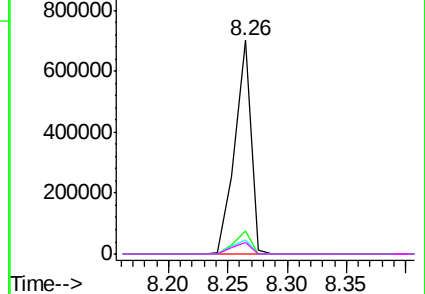
68 5.4 6.0 9.0#

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





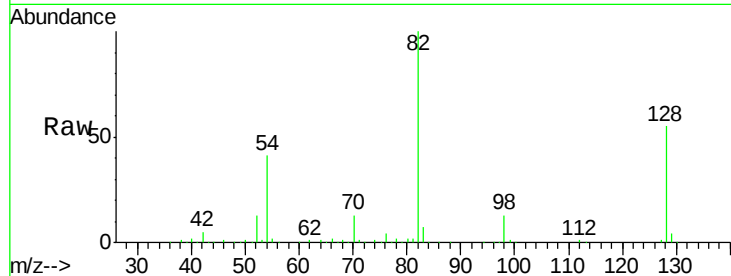
#23
 Nitrobenzene-d5
 Concen: 83.65 ng
 RT: 7.54 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: BF085181.D
 Acq: 4 Mar 2016 2:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-48(COMP)

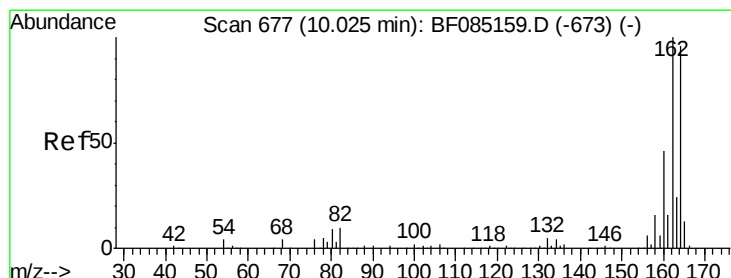
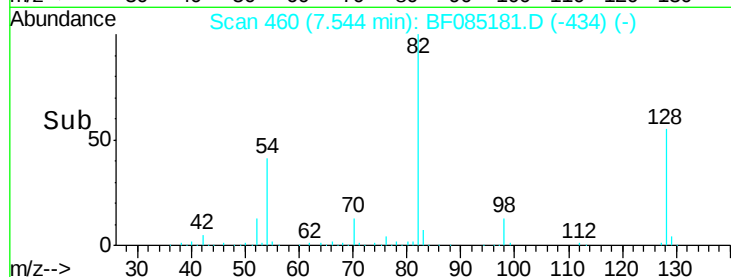
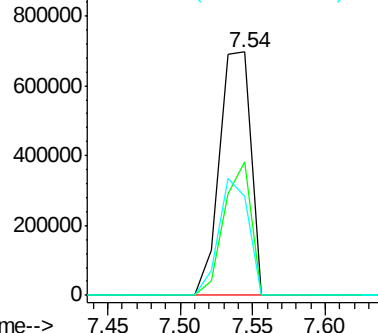
Tgt Ion: 82 Resp: 1042508
 Ion Ratio Lower Upper
 82 100
 128 55.1 34.5 51.7#
 54 40.7 39.3 58.9

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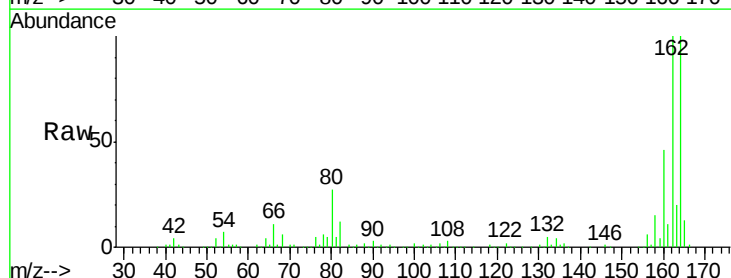


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

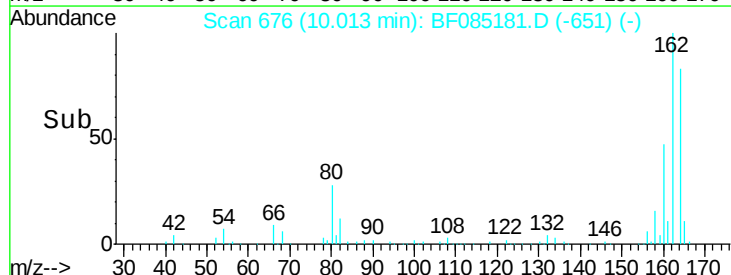
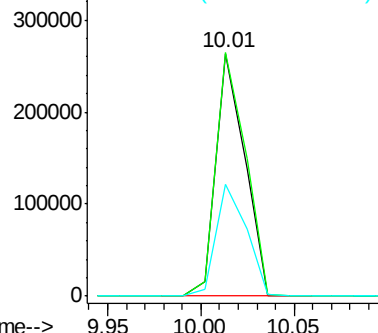


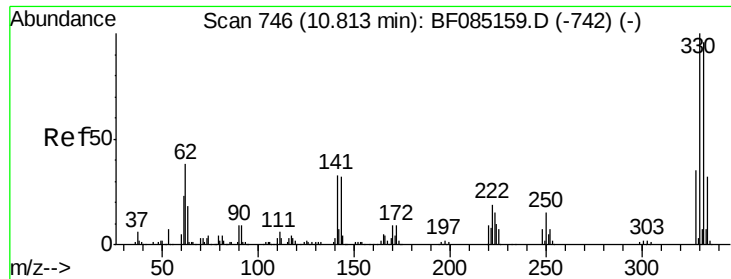
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.01 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF085181.D
 Acq: 4 Mar 2016 2:49

Tgt Ion: 164 Resp: 286902
 Ion Ratio Lower Upper
 164 100
 162 100.3 83.3 124.9
 160 46.2 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





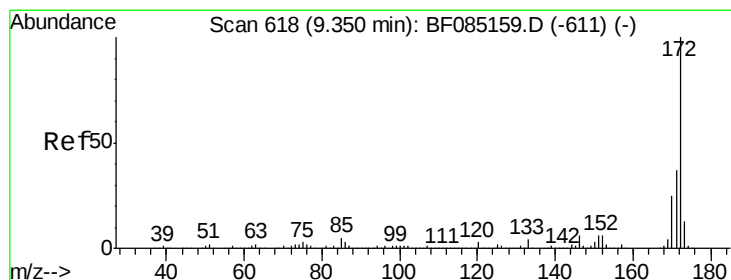
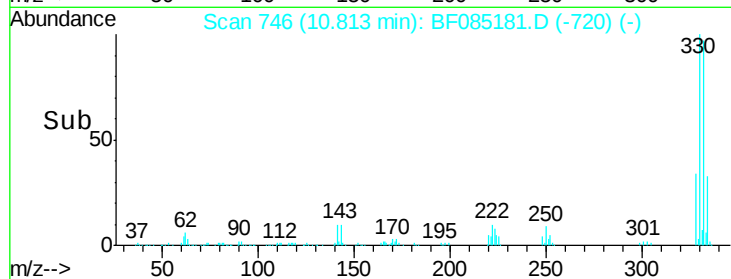
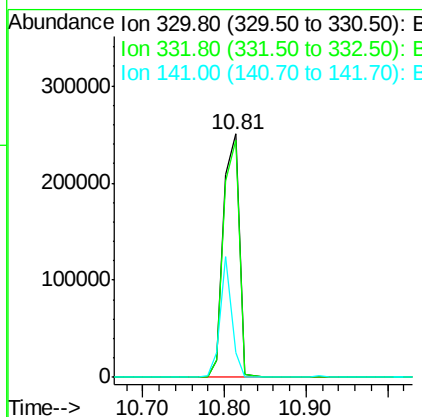
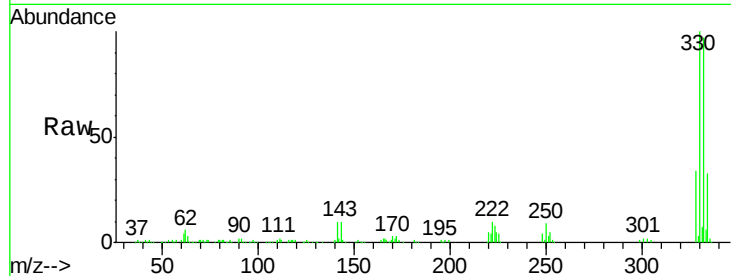
#41
 2,4,6-Tribromophenol
 Concen: 135.17 ng
 RT: 10.81 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: BF085181.D
 Acq: 4 Mar 2016 2:49

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	331833		
332	96.9	77.1	115.7	
141	37.1	35.0	52.6	

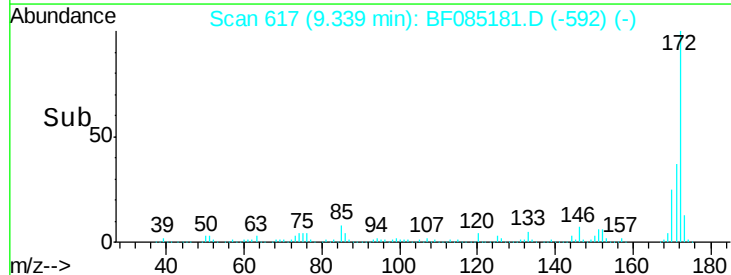
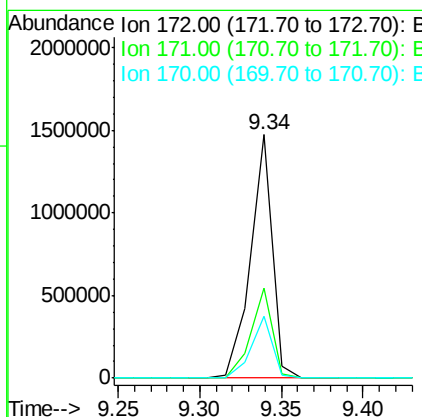
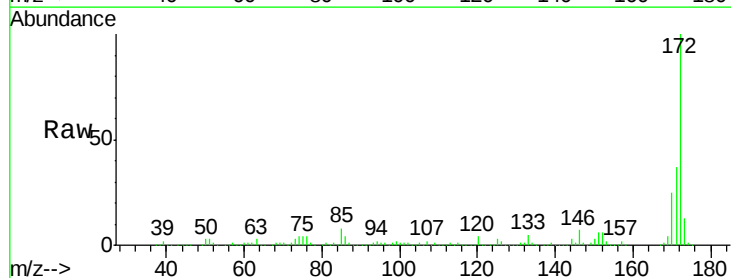
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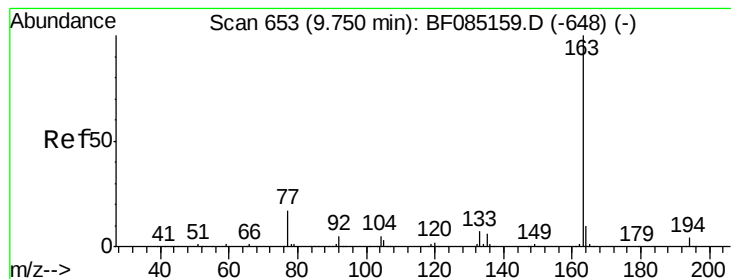
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#44
 2-Fluorobiphenyl
 Concen: 72.33 ng
 RT: 9.34 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF085181.D
 Acq: 4 Mar 2016 2:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1364513		
171	37.2	29.3	43.9	
170	25.2	20.0	30.0	





#49

Dimethylphthalate

Concen: 16.57 ng

RT: 9.73 min Scan# 651

Delta R.T. -0.02 min

Lab File: BF085181.D

Acq: 4 Mar 2016 2:49

Instrument :

BNA_F

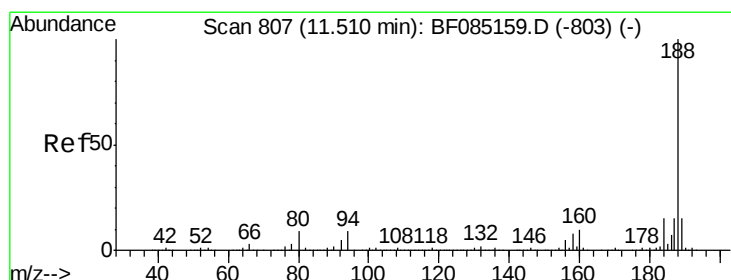
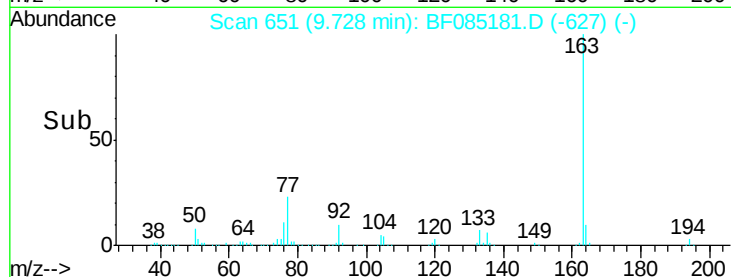
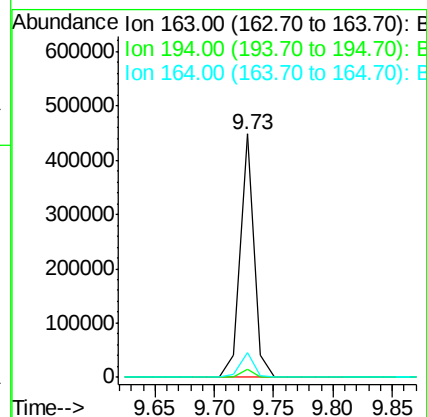
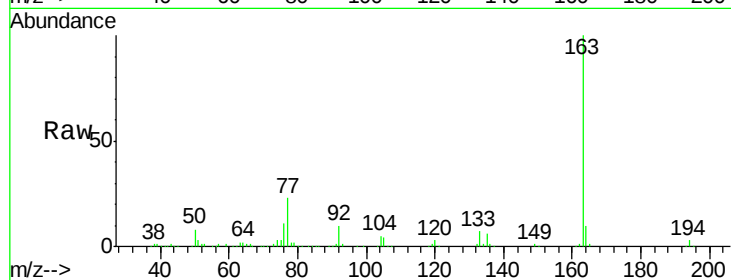
ClientSampleId :

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Tgt	Ion:163	Resp:	364866
Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.1	4.7
164	10.2	8.2	12.4

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#63

Phenanthrene-d10

Concen: 20.00 ng

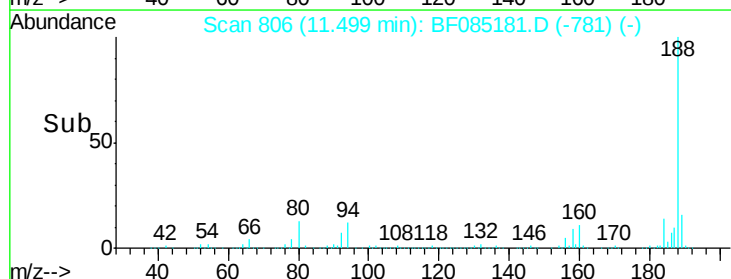
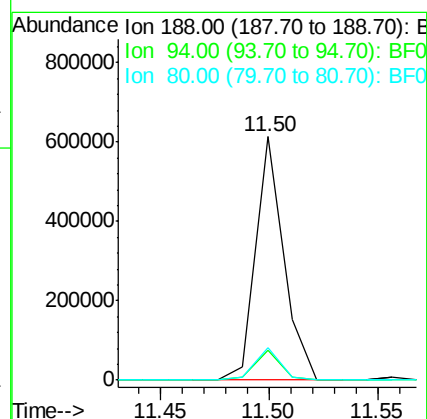
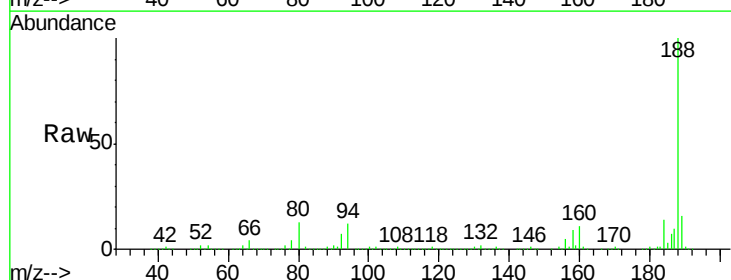
RT: 11.50 min Scan# 806

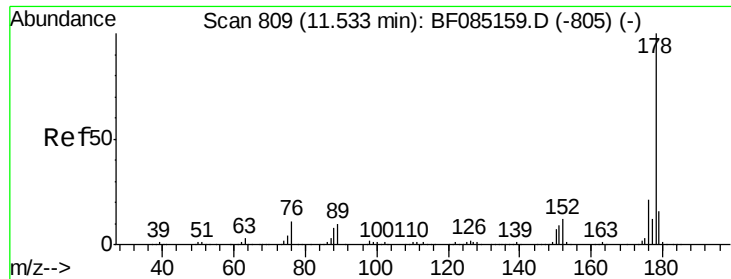
Delta R.T. -0.01 min

Lab File: BF085181.D

Acq: 4 Mar 2016 2:49

Tgt	Ion:188	Resp:	549238
Ion	Ratio	Lower	Upper
188	100		
94	12.2	7.0	10.6#
80	13.2	7.4	11.0#





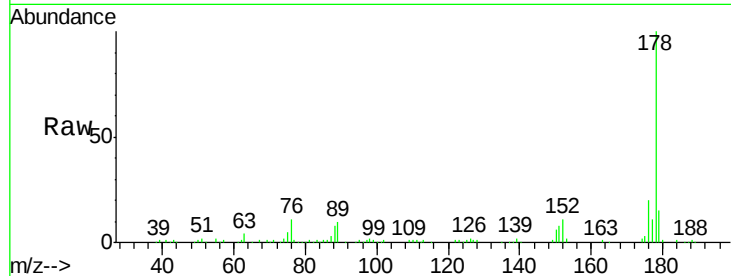
#70
Phenanthrene
Concen: 3.68 ng m
RT: 11.52 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF085181.D
Acq: 4 Mar 2016 2:49

Instrument :
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ClientSampleId :
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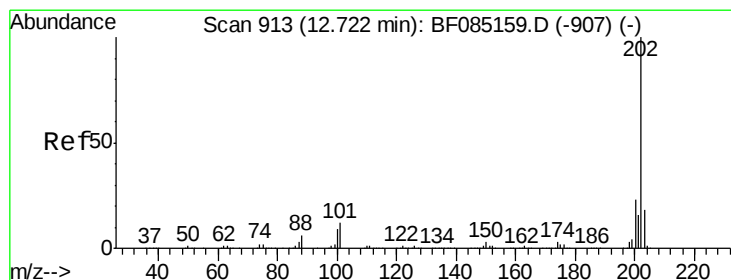
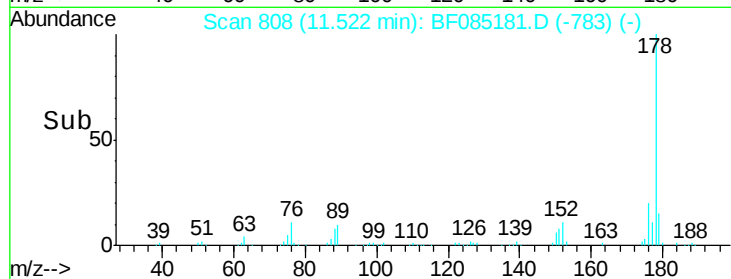
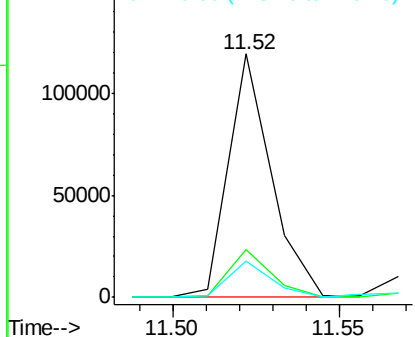
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.8	25.2
179	15.0	13.1	19.7

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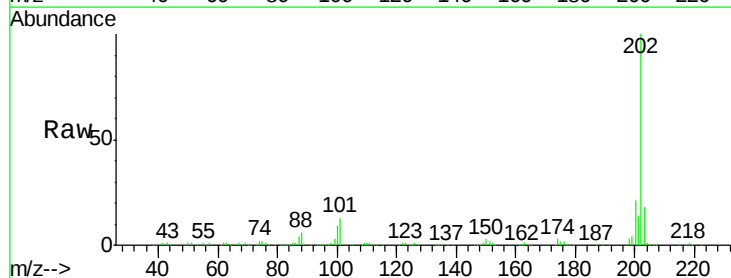


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

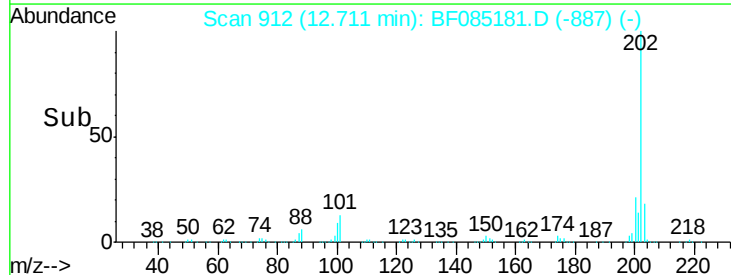
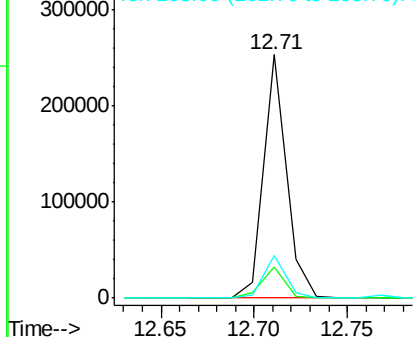


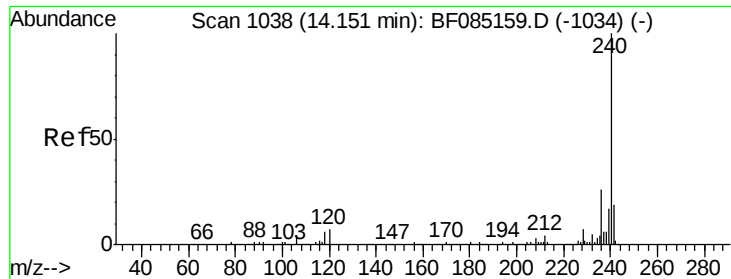
#74
Fluoranthene
Concen: 7.39 ng
RT: 12.71 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF085181.D
Acq: 4 Mar 2016 2:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	31.8
203	17.6	0.0	38.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.14 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF085181.D

Acq: 4 Mar 2016 2:49

Instrument :

BNA_F

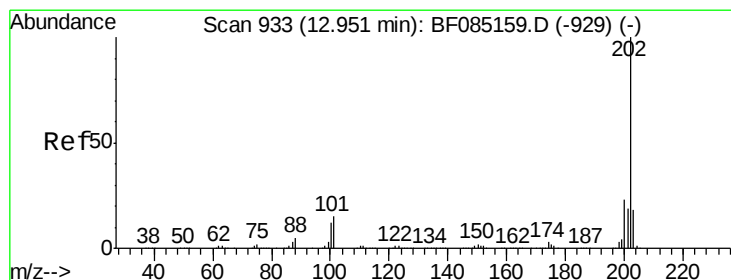
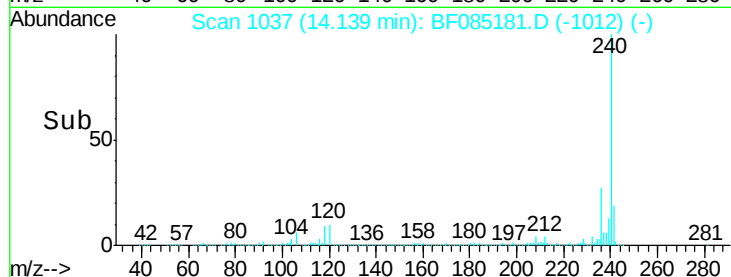
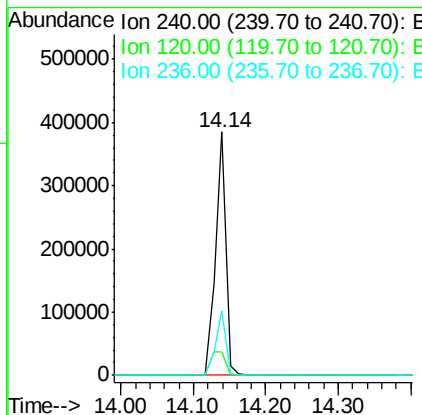
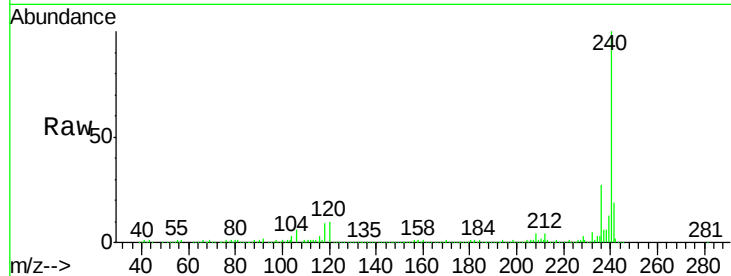
ClientSampleId :

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Tgt Ion	Ratio	Resp	Lower	Upper
240	100	380764		
120	9.8	5.3	7.9#	
236	26.5	20.7	31.1	

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#77

Pyrene

Concen: 6.98 ng

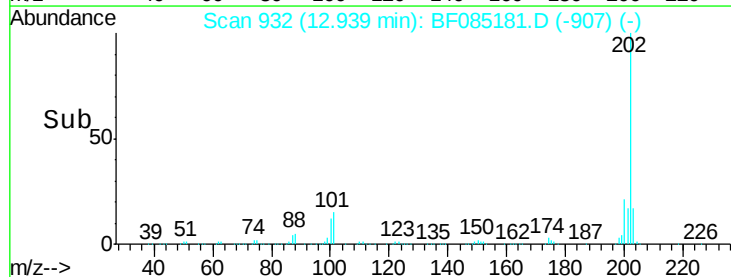
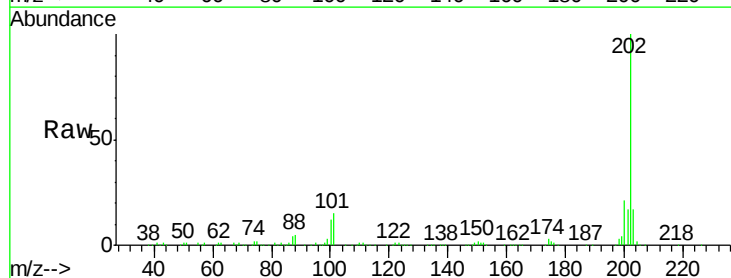
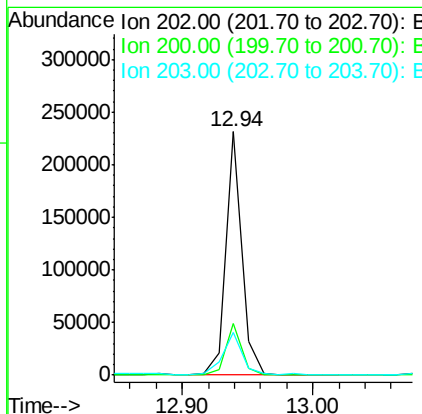
RT: 12.94 min Scan# 932

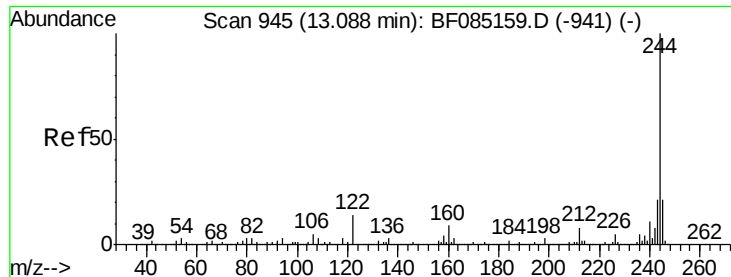
Delta R.T. -0.01 min

Lab File: BF085181.D

Acq: 4 Mar 2016 2:49

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	200050		
200	21.1	18.2	27.4	
203	17.3	14.7	22.1	





#78

Terphenyl-d14

Concen: 72.46 ng

RT: 13.09 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF085181.D

Acq: 4 Mar 2016 2:49

Instrument :

BNA_F

ClientSampleId :

SB-48(COMP)

Tgt Ion:244 Resp: 1188569

Ion Ratio Lower Upper

244 100

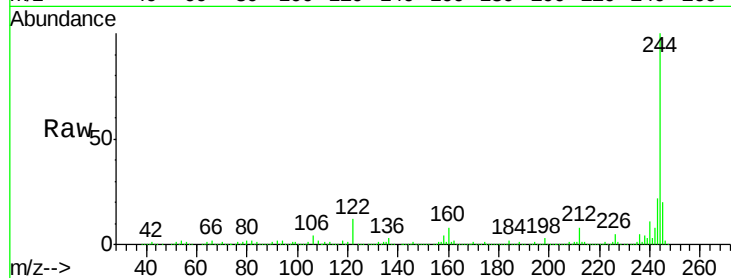
212 7.6 6.4 9.6

122 12.1 11.4 17.2

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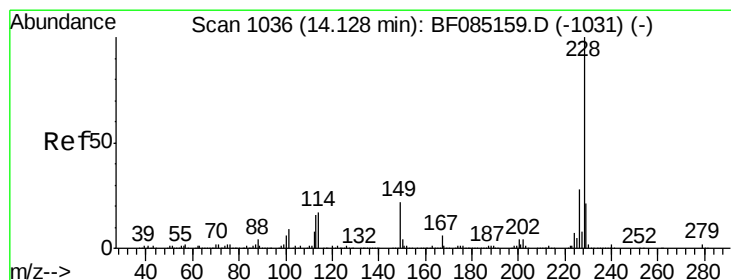
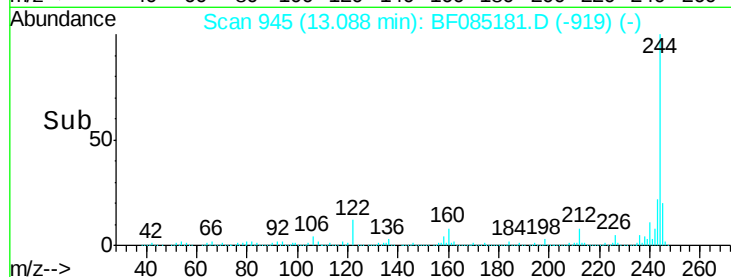
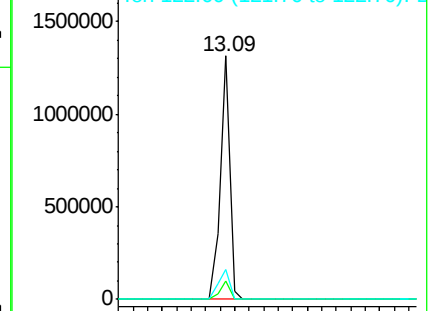
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.90 ng m

RT: 14.13 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF085181.D

Acq: 4 Mar 2016 2:49

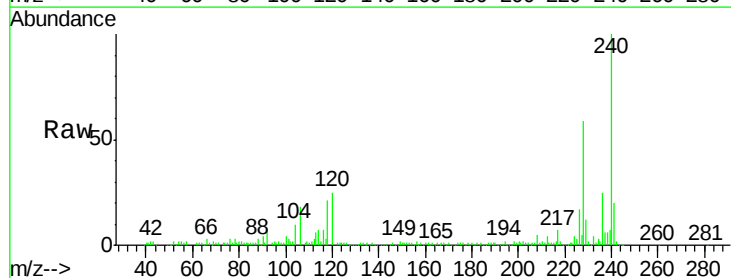
Tgt Ion:228 Resp: 88816

Ion Ratio Lower Upper

228 100

226 29.0 22.8 34.2

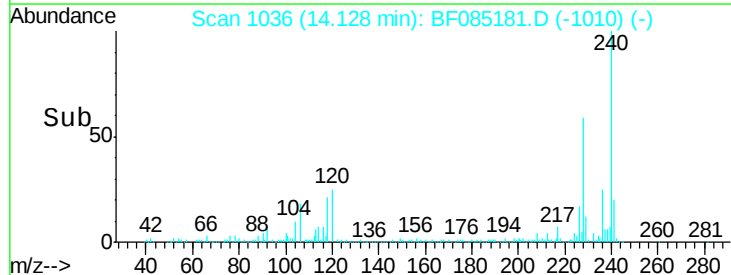
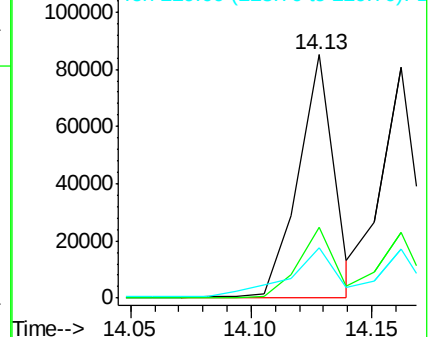
229 20.4 16.6 24.8

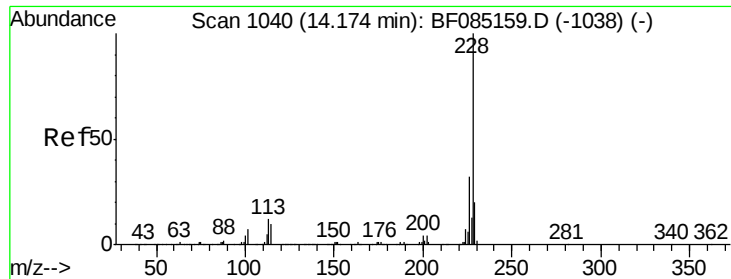


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





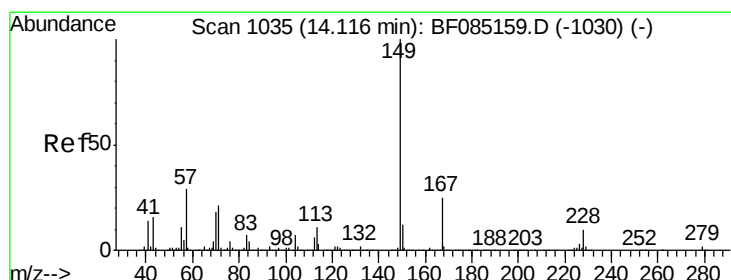
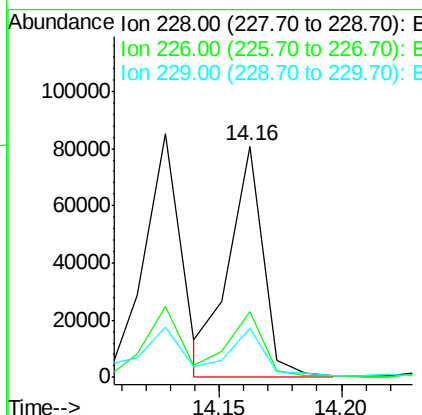
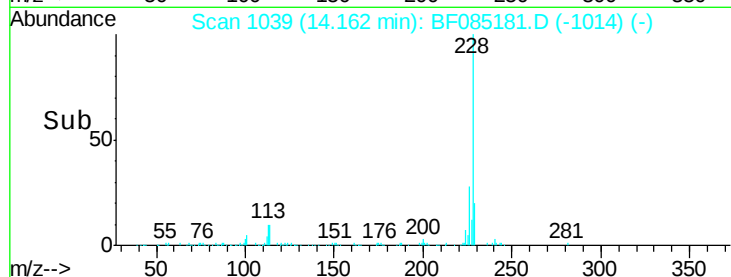
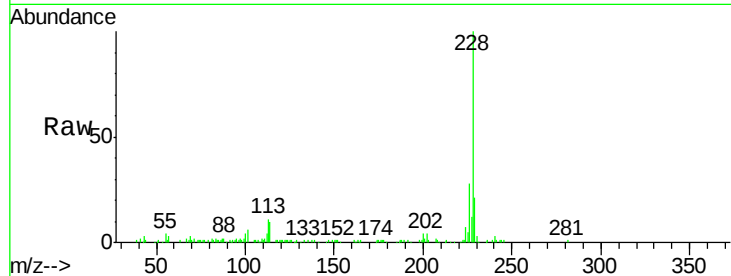
#82
Chrysene
Concen: 3.76 ng m
RT: 14.16 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF085181.D
Acq: 4 Mar 2016 2:49

Instrument :
BNA_F
ClientSampleId :
SB-48(COMP)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	25.2	37.8
229	21.1	16.0	24.0

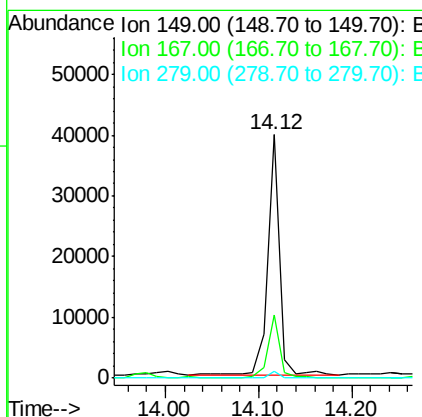
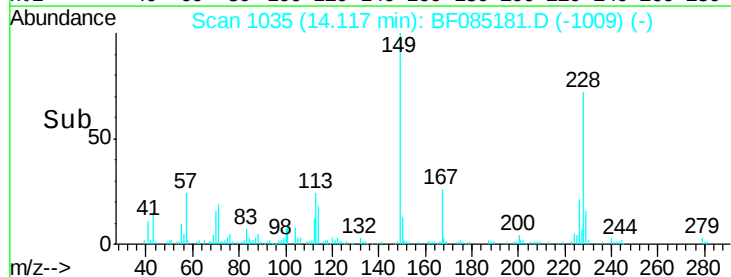
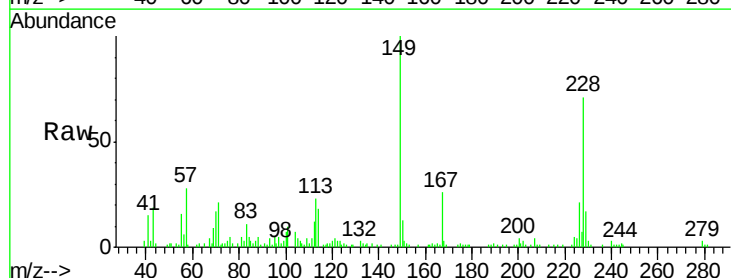
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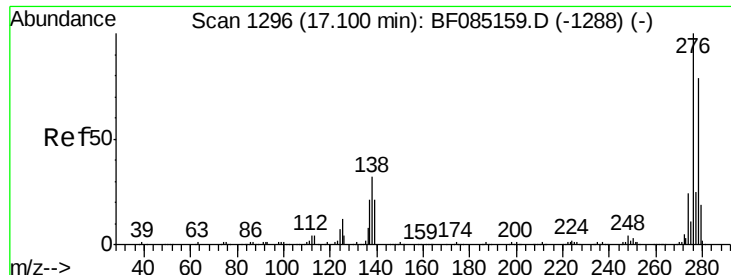
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.05 ng
RT: 14.12 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF085181.D
Acq: 4 Mar 2016 2:49

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.1	20.3	30.5
279	3.0	1.9	2.9#





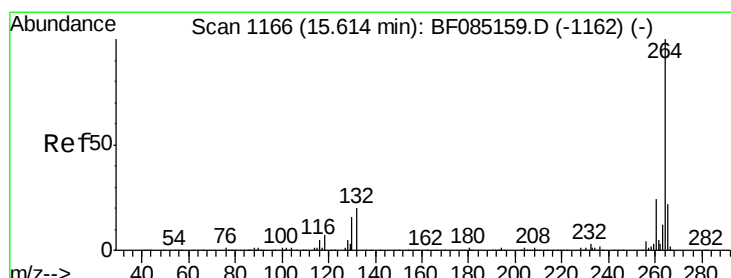
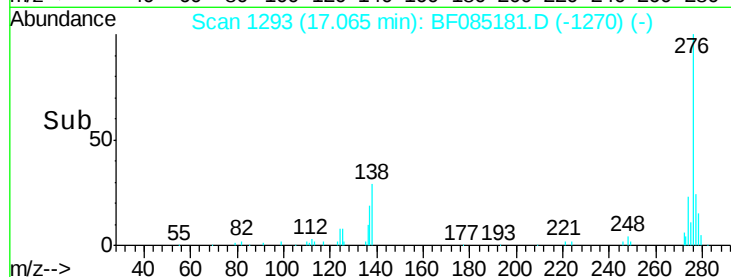
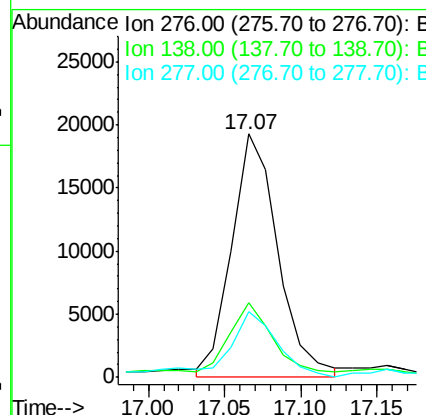
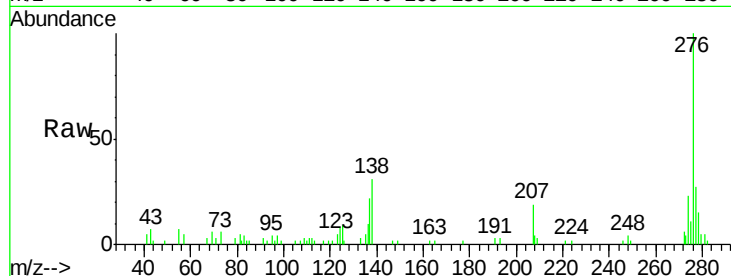
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.49 ng m
RT: 17.07 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BF085181.D
Acq: 4 Mar 2016 2:49

Instrument :
BNA_F
ClientSampleId :
SB-48(COMP)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	7.0	26.4	39.6#
277	6.2	20.2	30.2#

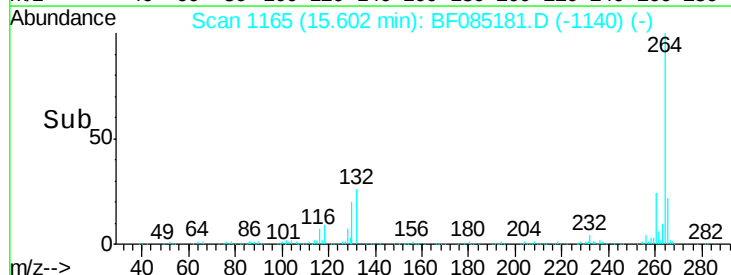
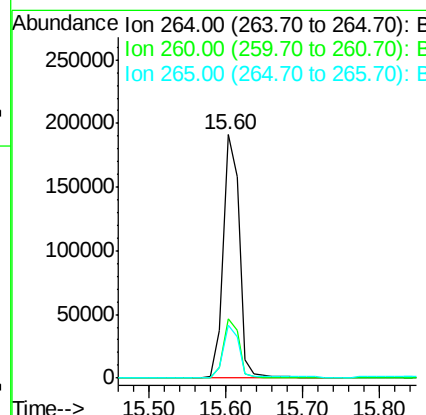
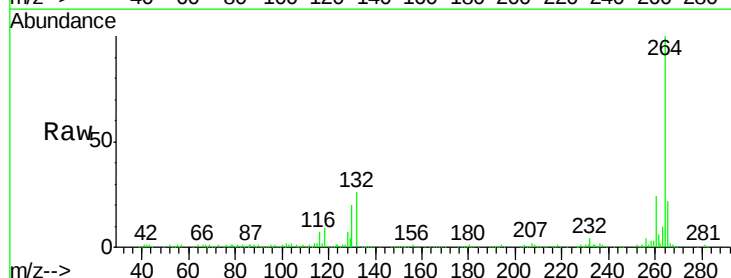
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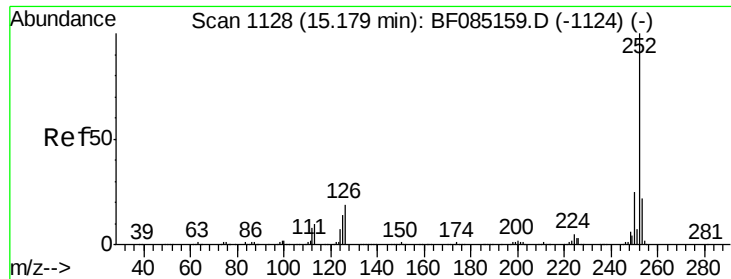
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.60 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF085181.D
Acq: 4 Mar 2016 2:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.8	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 4.71 ng m

RT: 15.18 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BF085181.D

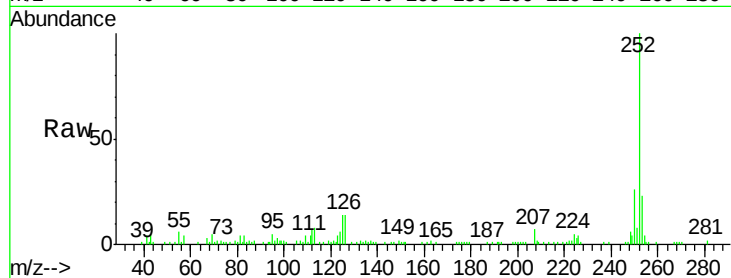
Acq: 4 Mar 2016 2:49

Instrument :

BNA_F

ClientSampleId :

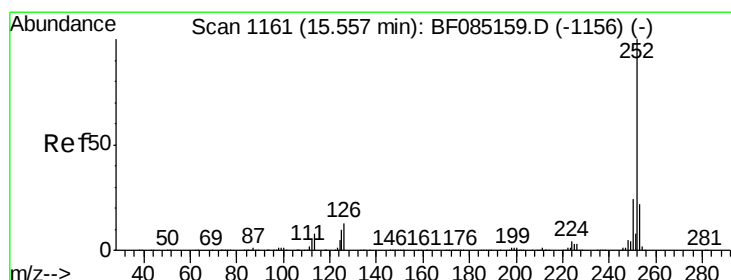
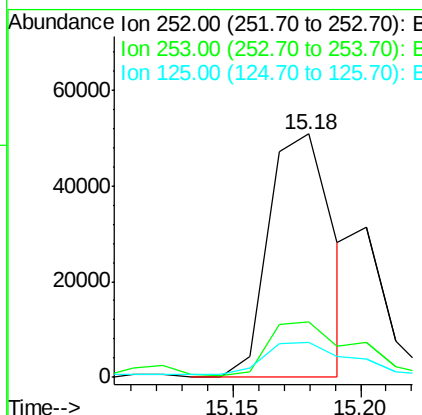
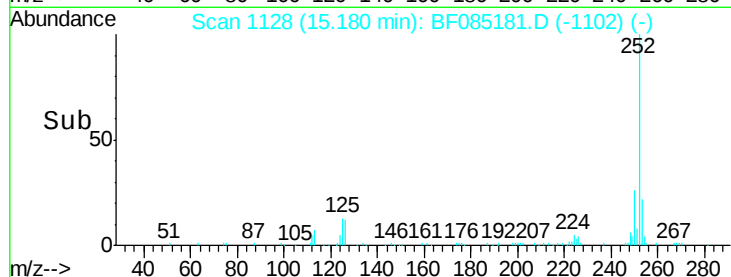
SB-48(COMP)



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	14.5	11.3	16.9

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 4.07 ng

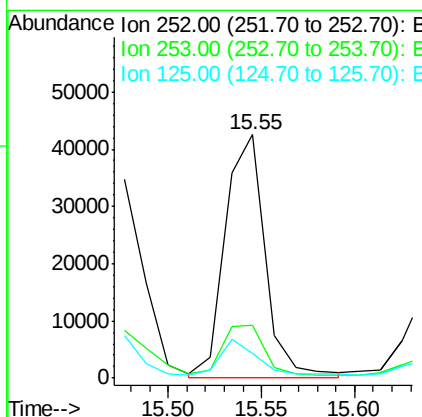
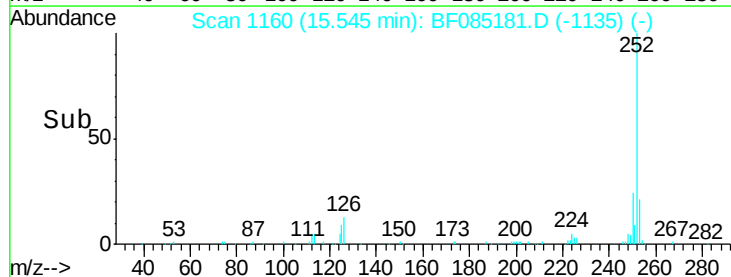
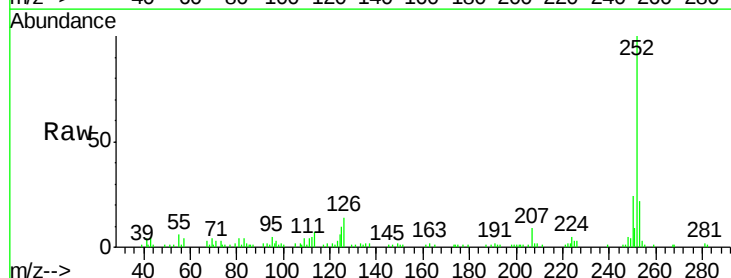
RT: 15.55 min Scan# 1160

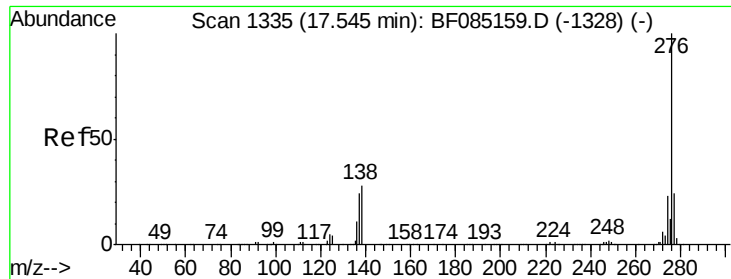
Delta R.T. -0.01 min

Lab File: BF085181.D

Acq: 4 Mar 2016 2:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	10.3	8.2	12.4





#91
 Benzo(g,h,i)perylene
 Concen: 3.22 ng
 RT: 17.51 min Scan# 1332
 Delta R.T. -0.03 min
 Lab File: BF085181.D
 Acq: 4 Mar 2016 2:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-48(COMP)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	29.9	22.5	33.7

Manual Integrations
 APPROVED

Sohil
 3/4/2016 4:36:10 PM

