

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
 Data File : BF085183.D
 Acq On : 4 Mar 2016 3:45
 Operator : SJ/UM
 Sample : H1648-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-52(COMP)

Manual Integrations
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Quant Time: Mar 04 04:39:33 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	143907	20.00	ng	-0.01
21) Naphthalene-d8	8.26	136	610977	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	245108	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	436525	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	282144	20.00	ng	-0.01
86) Perylene-d12	15.61	264	275778	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1264196	147.36	ng	0.01
7) Phenol-d6	6.61	99	1805283	160.61	ng	0.00
23) Nitrobenzene-d5	7.54	82	1188483	104.09	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	351170	167.44	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1442364	89.49	ng	-0.01
78) Terphenyl-d14	13.09	244	1134560	93.35	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.73	163	348751	18.54	ng	99
70) Phenanthrene	11.52	178	62352	2.73	ng	96
74) Fluoranthene	12.71	202	115960	5.05	ng	98
77) Pyrene	12.94	202	183058	8.62	ng	97
80) Benzo(a)anthracene	14.13	228	81389	4.82	ng	93
82) Chrysene	14.16	228	80871m	5.18	ng	
83) Bis(2-ethylhexyl)phthalate	14.12	149	94813	7.48	ng	99
85) Indeno(1,2,3-cd)pyrene	17.08	276	81324	6.68	ng	95
87) Benzo(b)fluoranthene	15.18	252	108835m	5.92	ng	
88) Benzo(k)fluoranthene	15.19	252	37344m	2.52	ng	
89) Benzo(a)pyrene	15.55	252	122850	8.07	ng	# 97
91) Benzo(g,h,i)perylene	17.52	276	120257	9.20	ng	99

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

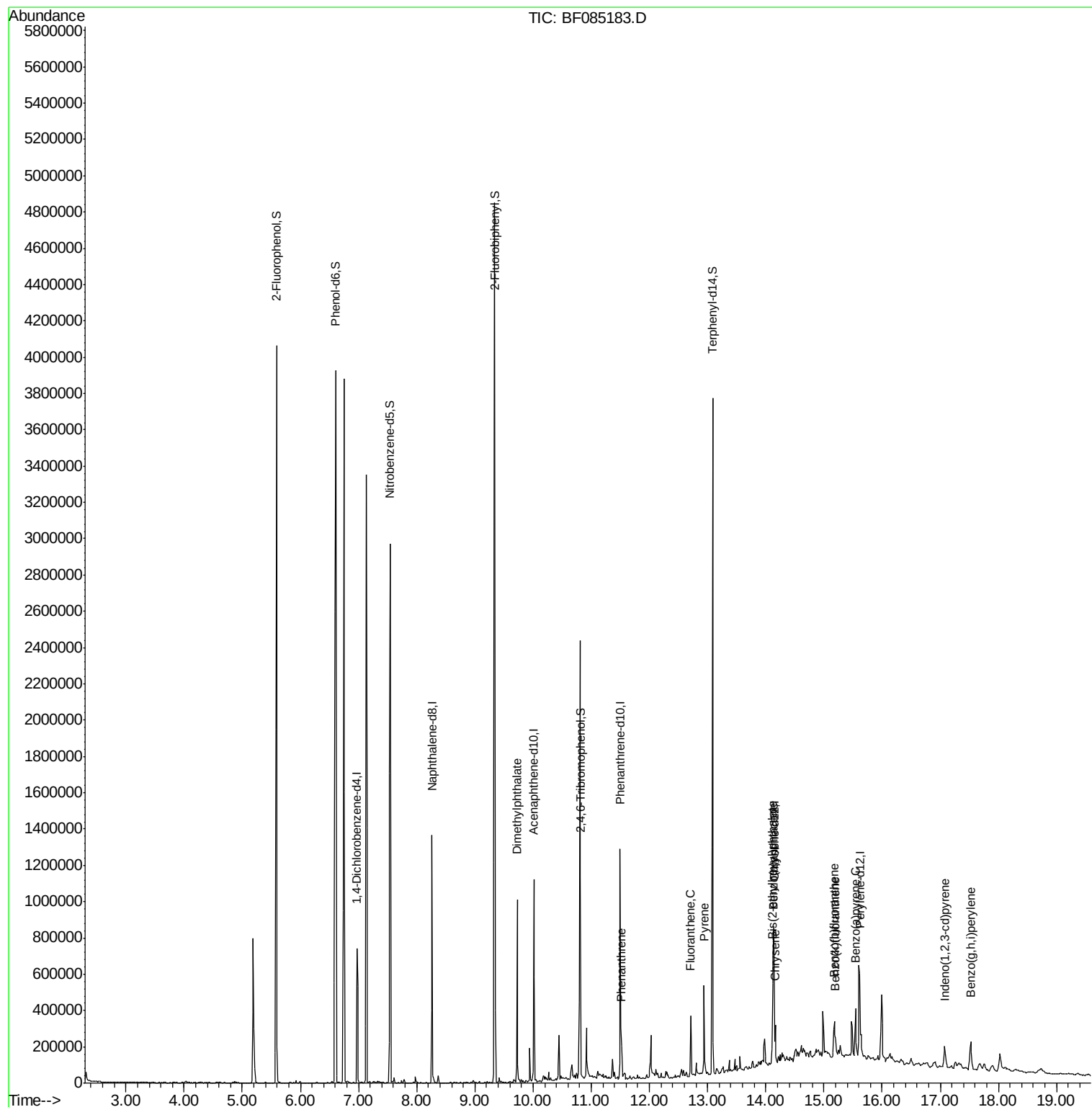
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
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ALS Vial : 27 Sample Multiplier: 1

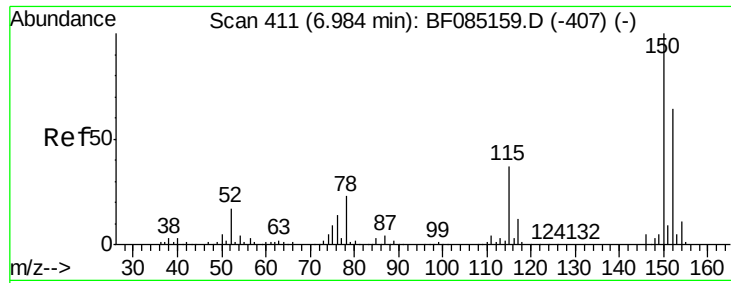
Instrument :
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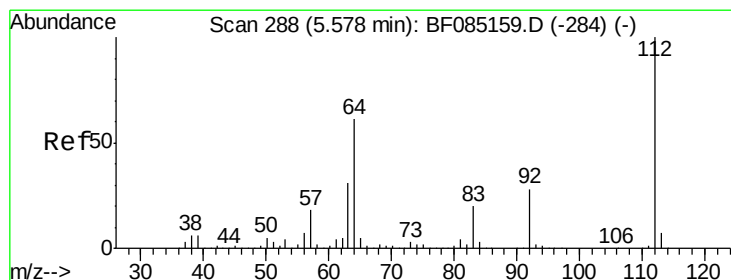
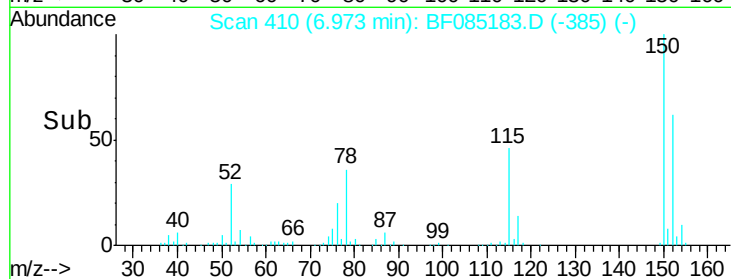
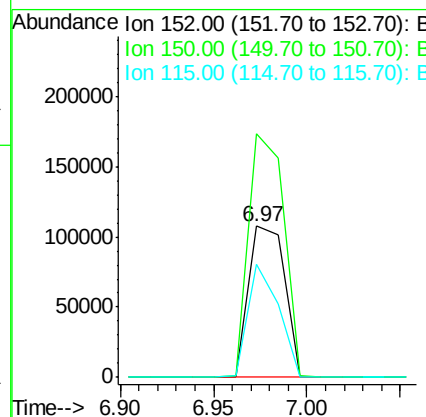
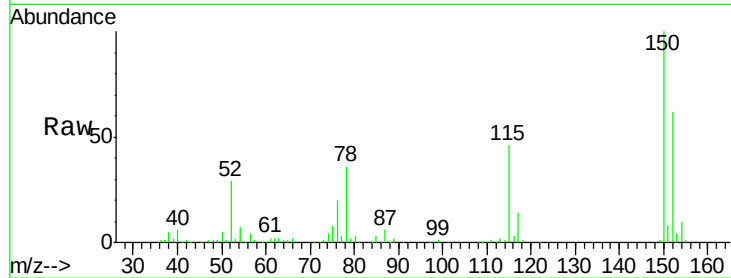
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.97 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: BF085183.D
 Acq: 4 Mar 2016 3:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-52(COMP)

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	143907		
150	161.4	124.6	186.8	
115	74.7	46.6	70.0	

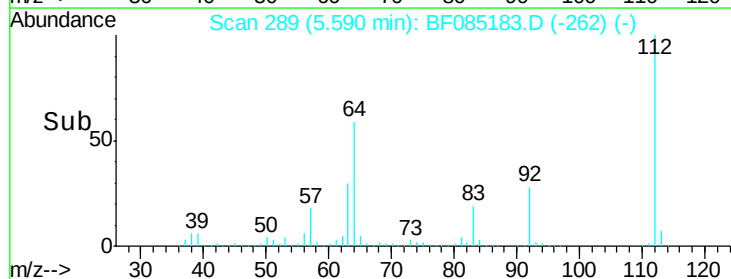
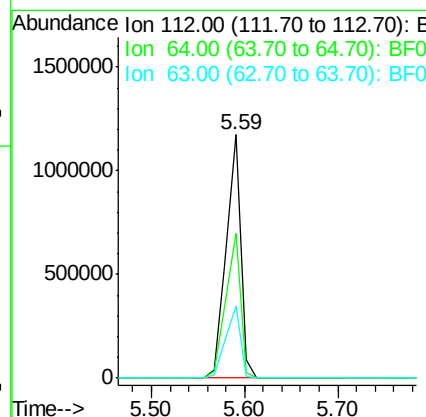
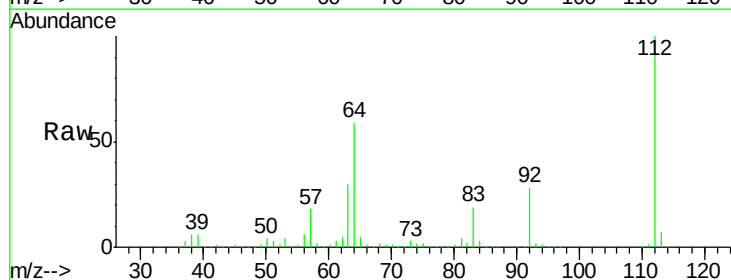
Manual Integrations
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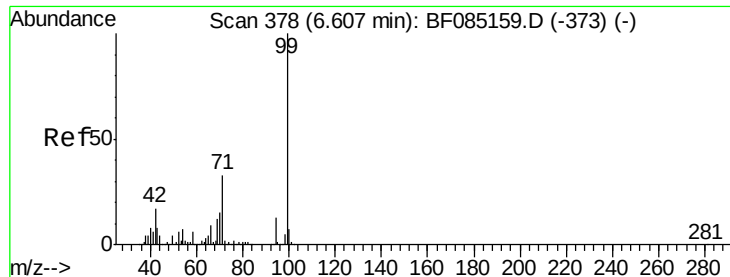
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#5
 2-Fluorophenol
 Concen: 147.36 ng
 RT: 5.59 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: BF085183.D
 Acq: 4 Mar 2016 3:45

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1264196		
64	59.4	49.0	73.4	
63	29.7	24.8	37.2	





#7

Phenol-d6

Concen: 160.61 ng

RT: 6.61 min Scan# 378

Delta R.T. 0.00 min

Lab File: BF085183.D

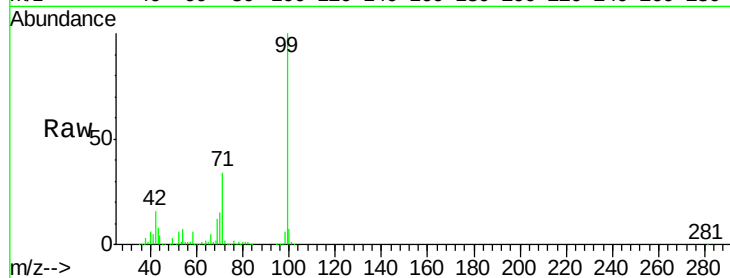
Acq: 4 Mar 2016 3:45

Instrument :

BNA_F

ClientSampleId :

SB-52(COMP)



Tgt Ion: 99 Resp: 1805283

Ion Ratio Lower Upper

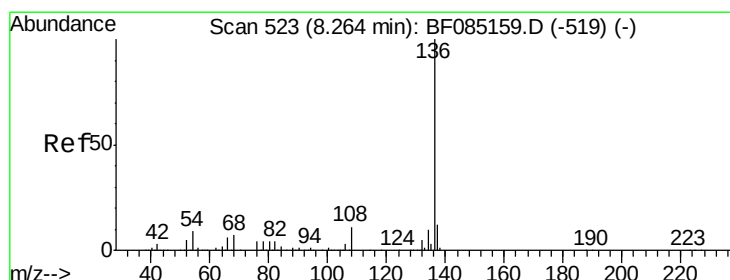
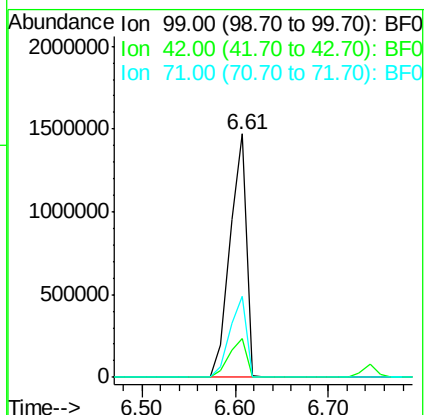
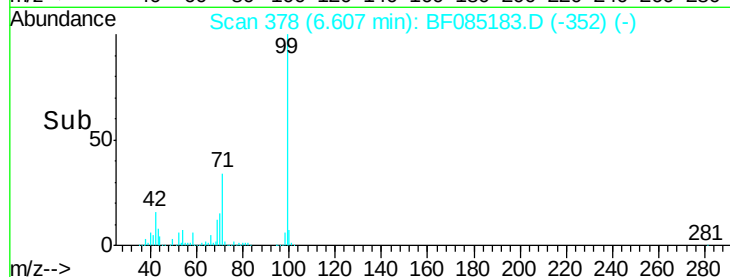
99 100

42 16.0 13.6 20.4

71 33.5 26.7 40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF085183.D

Acq: 4 Mar 2016 3:45

Tgt Ion: 136 Resp: 610977

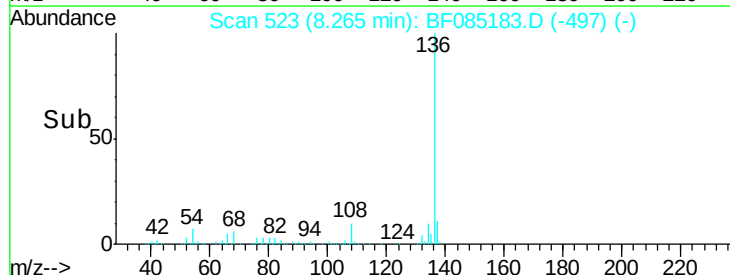
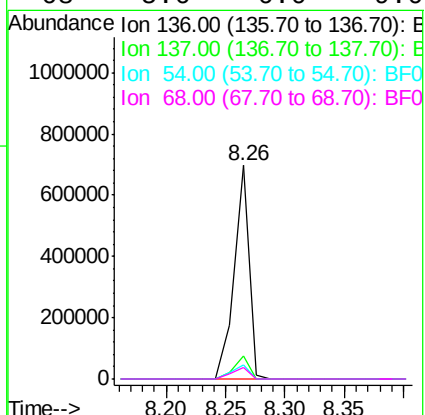
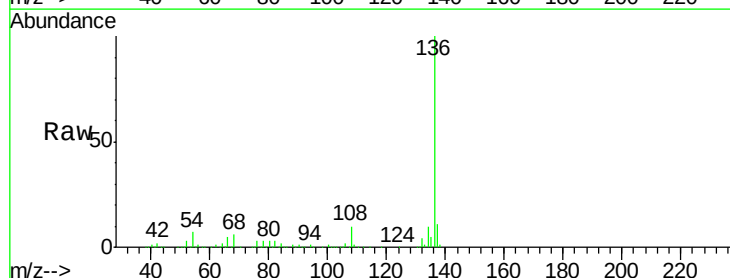
Ion Ratio Lower Upper

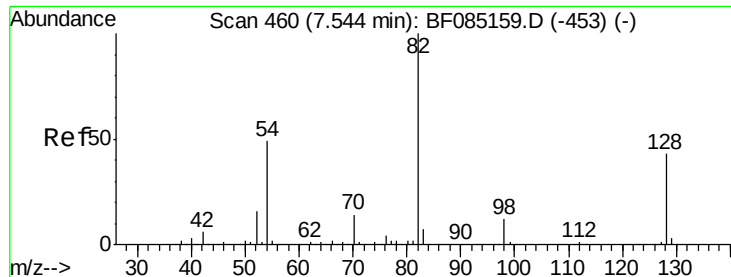
136 100

137 11.0 9.3 13.9

54 6.8 7.4 11.2#

68 5.6 6.0 9.0#





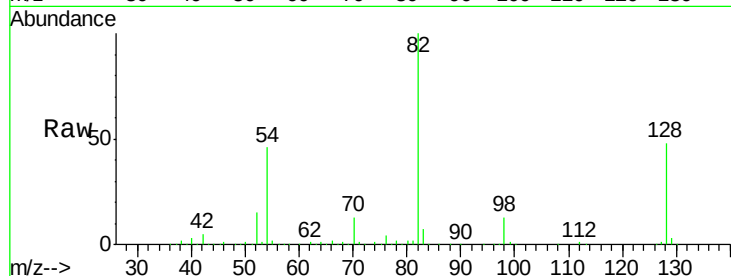
#23
 Nitrobenzene-d5
 Concen: 104.09 ng
 RT: 7.54 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: BF085183.D
 Acq: 4 Mar 2016 3:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-52(COMP)

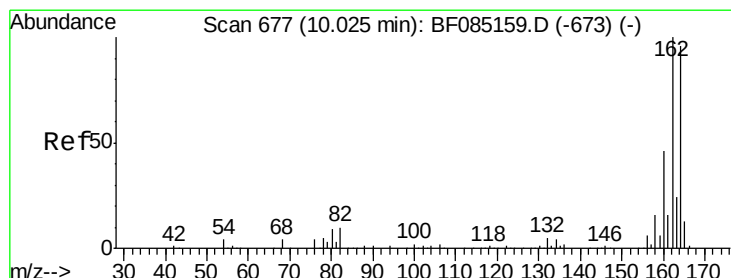
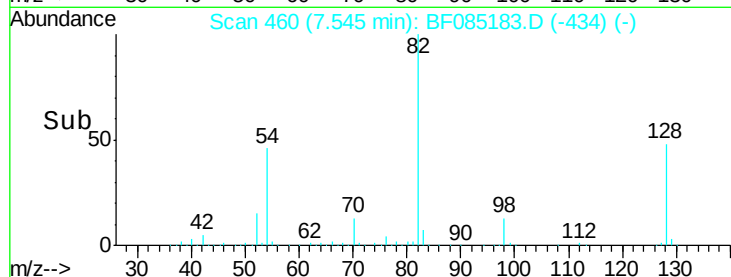
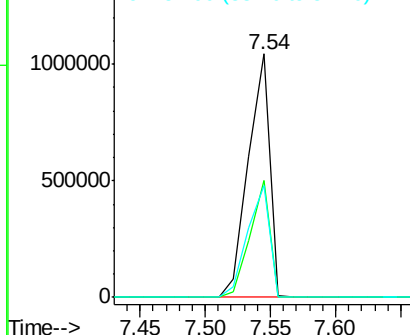
Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.1	34.5	51.7
54	46.0	39.3	58.9

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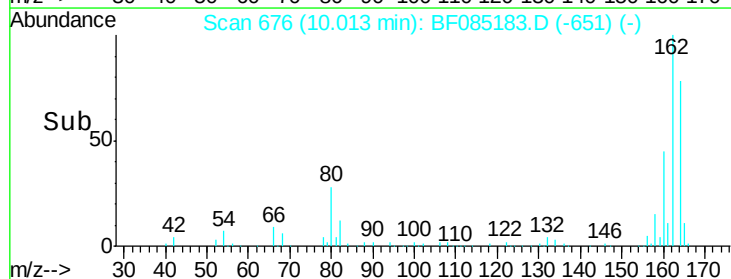
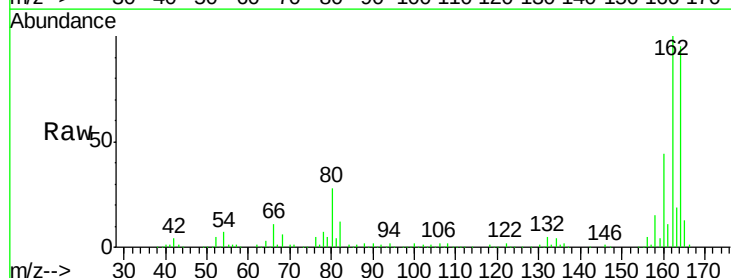
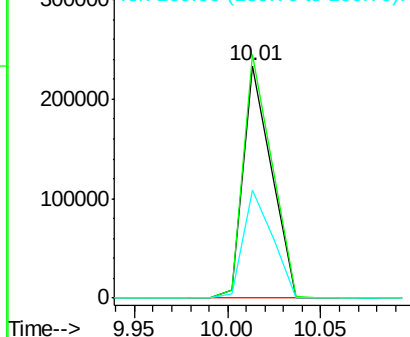
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

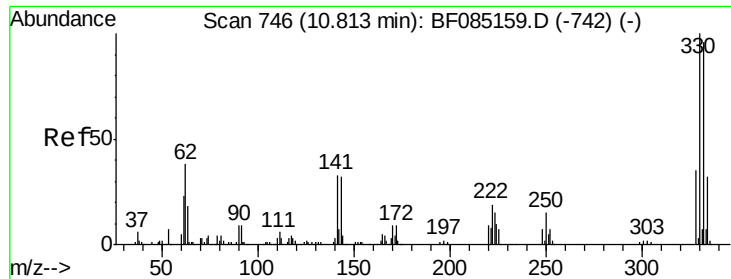


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.01 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF085183.D
 Acq: 4 Mar 2016 3:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	83.3	124.9
160	46.4	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





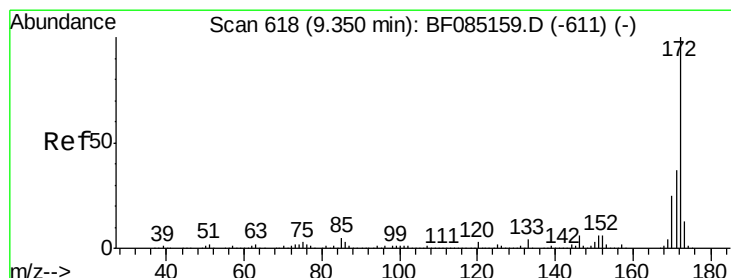
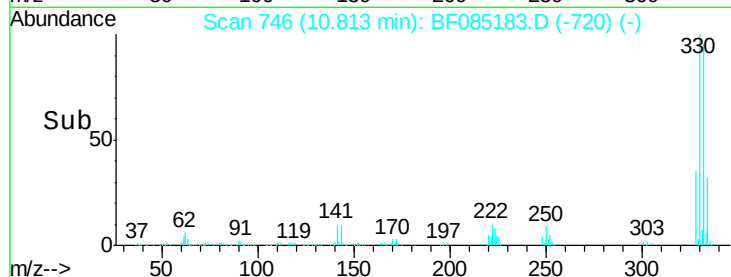
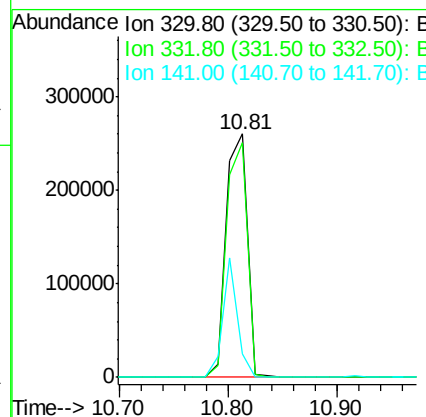
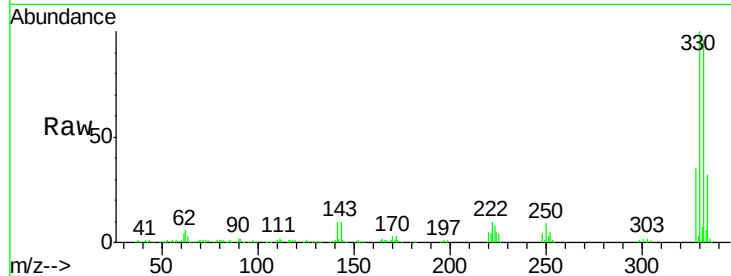
#41
 2,4,6-Tribromophenol
 Concen: 167.44 ng
 RT: 10.81 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: BF085183.D
 Acq: 4 Mar 2016 3:45

Instrument :
 BNA_F
 ClientSampleId :
 SB-52(COMP)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	351170		
332	94.9	77.1	115.7	
141	35.3	35.0	52.6	

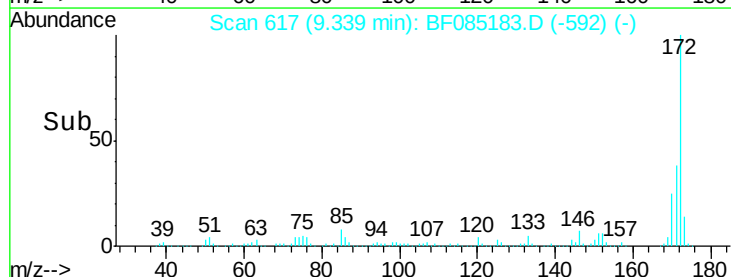
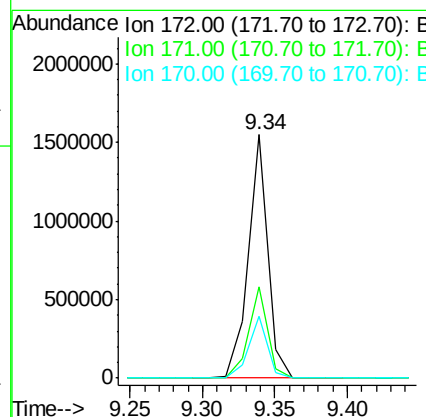
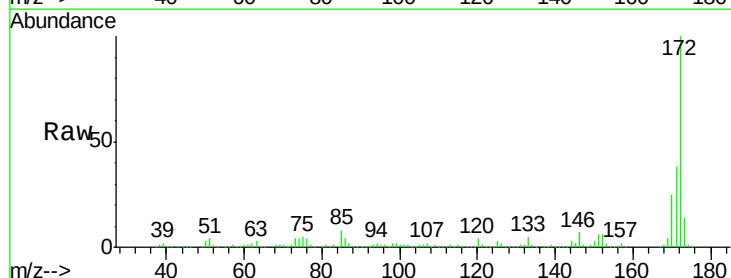
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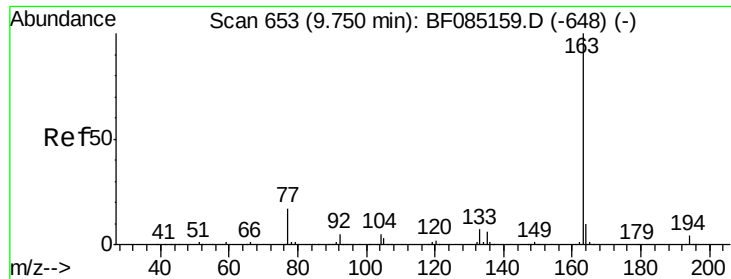
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#44
 2-Fluorobiphenyl
 Concen: 89.49 ng
 RT: 9.34 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF085183.D
 Acq: 4 Mar 2016 3:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1442364		
171	37.6	29.3	43.9	
170	25.4	20.0	30.0	





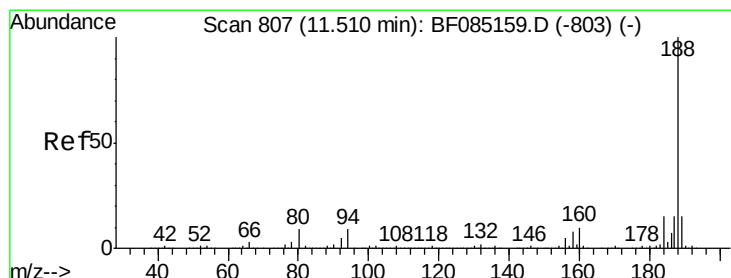
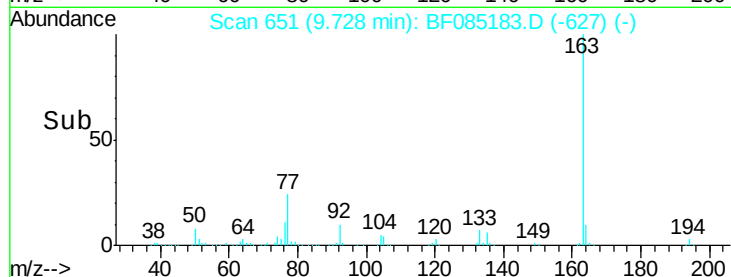
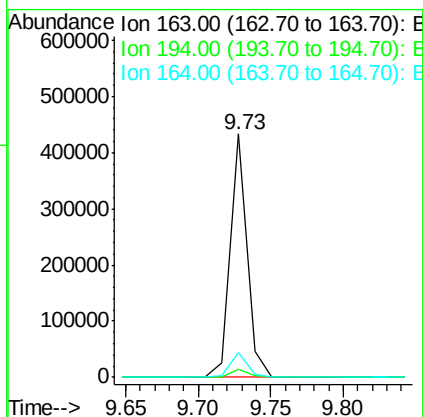
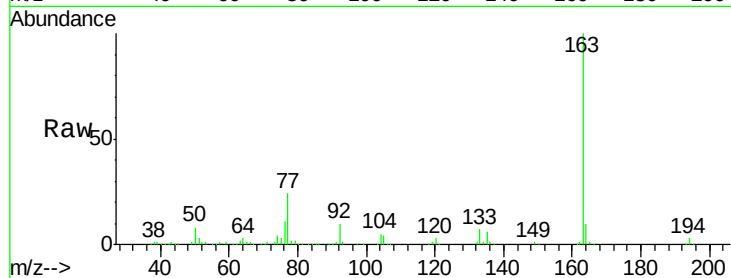
#49
Dimethylphthalate
Concen: 18.54 ng
RT: 9.73 min Scan# 651
Delta R.T. -0.02 min
Lab File: BF085183.D
Acq: 4 Mar 2016 3:45

Instrument :
BNA_F
ClientSampleId :
SB-52(COMP)

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.4	3.1	4.7
164	10.4	8.2	12.4

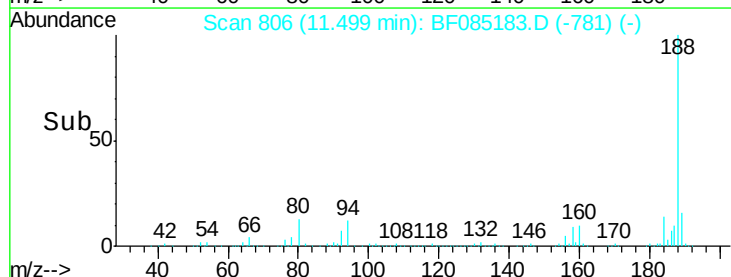
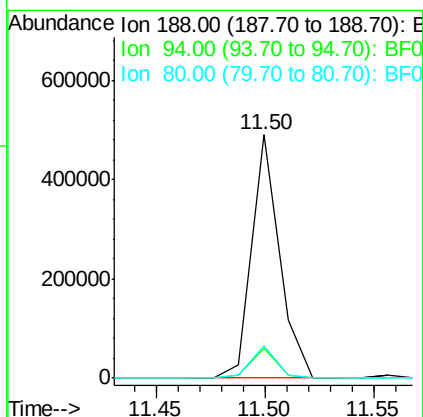
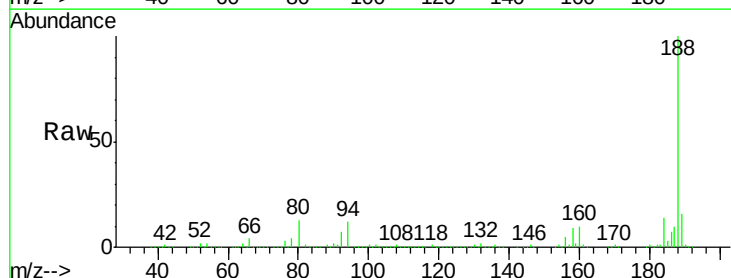
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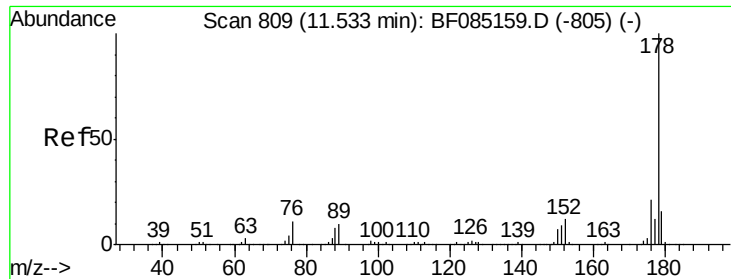
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF085183.D
Acq: 4 Mar 2016 3:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.3	7.0	10.6#
80	13.4	7.4	11.0#





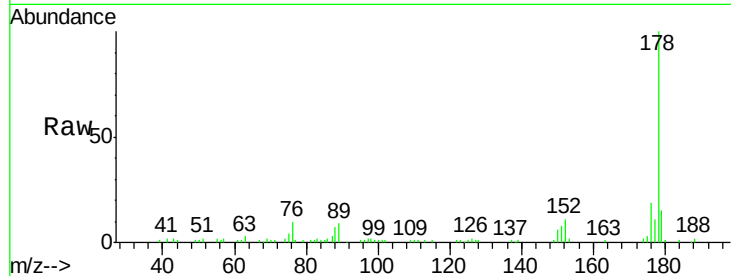
#70
Phenanthrene
Concen: 2.73 ng
RT: 11.52 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF085183.D
Acq: 4 Mar 2016 3:45

Instrument :
BNA_F
ClientSampleId :
SB-52(COMP)

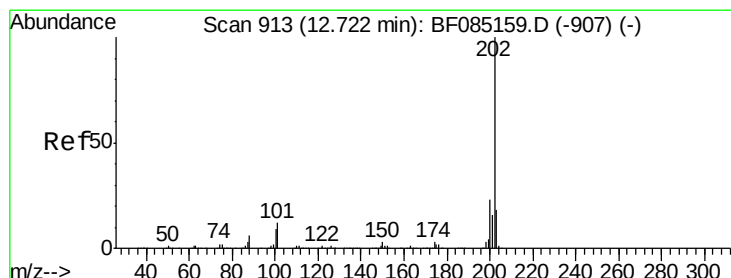
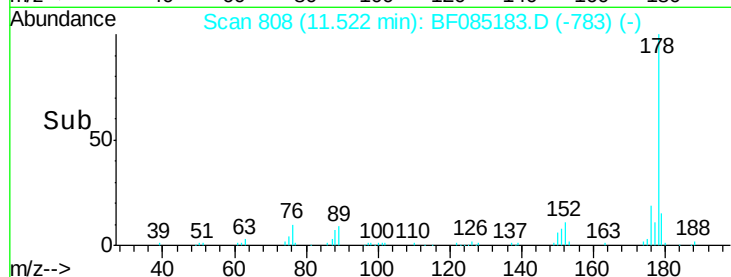
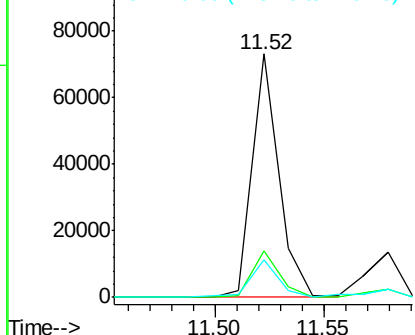
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.8	25.2
179	15.2	13.1	19.7

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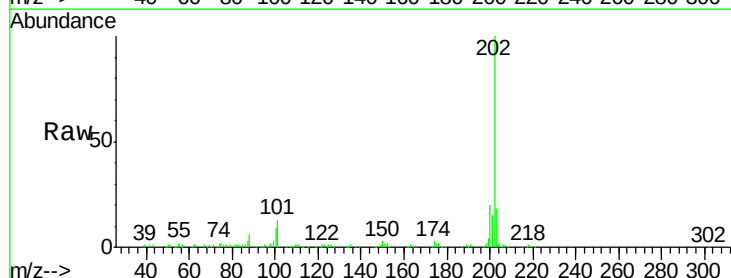


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

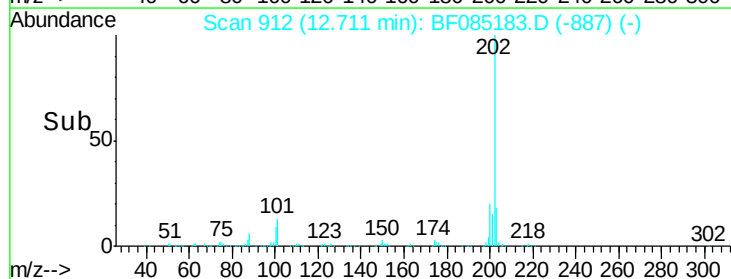
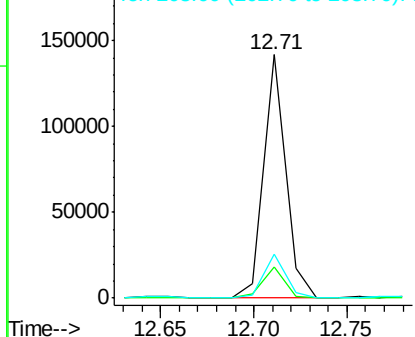


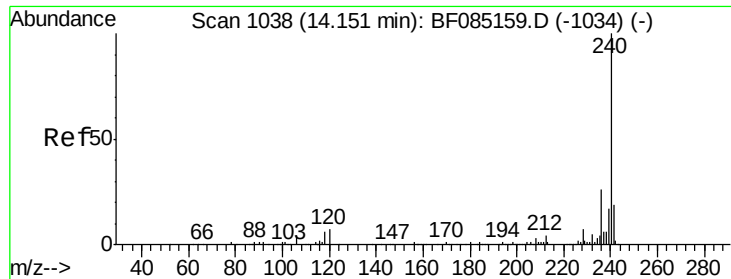
#74
Fluoranthene
Concen: 5.05 ng
RT: 12.71 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF085183.D
Acq: 4 Mar 2016 3:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	31.8
203	17.8	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: BF085183.D

Acq: 4 Mar 2016 3:45

Instrument :

BNA_F

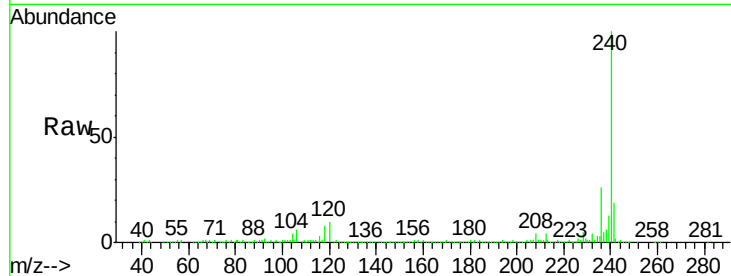
ClientSampleId :

SB-52(COMP)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	282144		
120	9.6	5.3	7.9#	
236	25.8	20.7	31.1	

Manual Integrations
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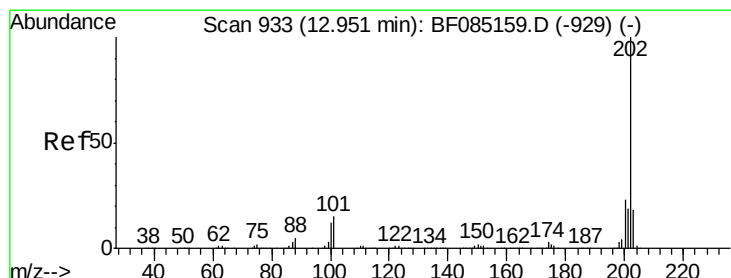
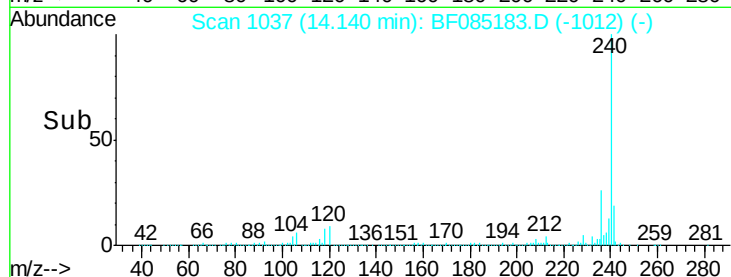
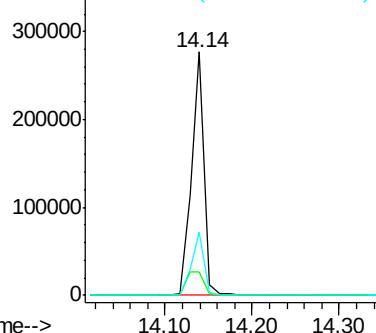
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.62 ng

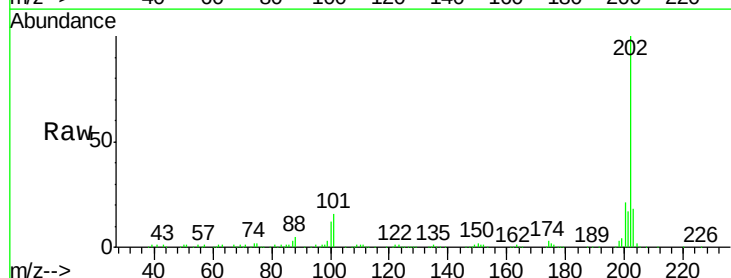
RT: 12.94 min Scan# 932

Delta R.T. -0.01 min

Lab File: BF085183.D

Acq: 4 Mar 2016 3:45

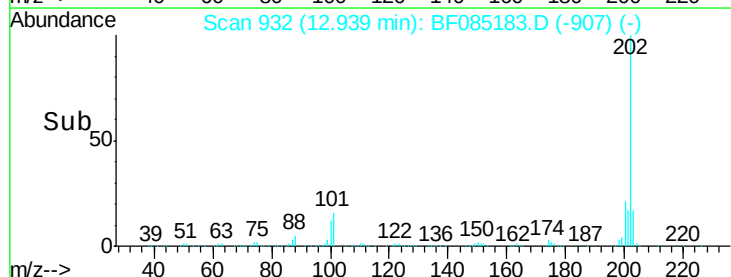
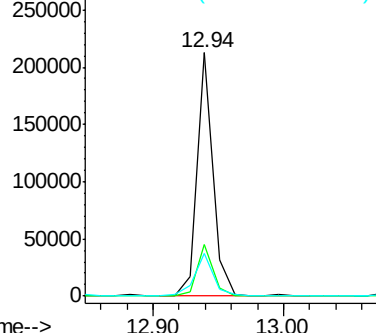
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	183058		
200	21.0	18.2	27.4	
203	17.7	14.7	22.1	

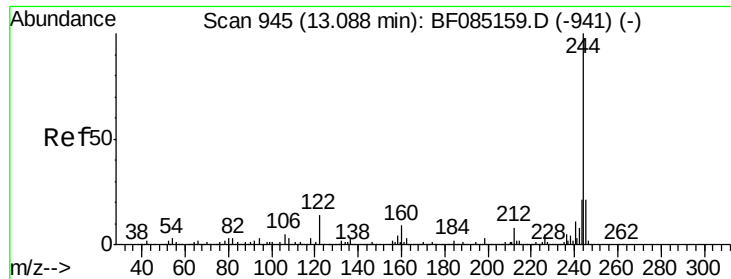


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 93.35 ng

RT: 13.09 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF085183.D

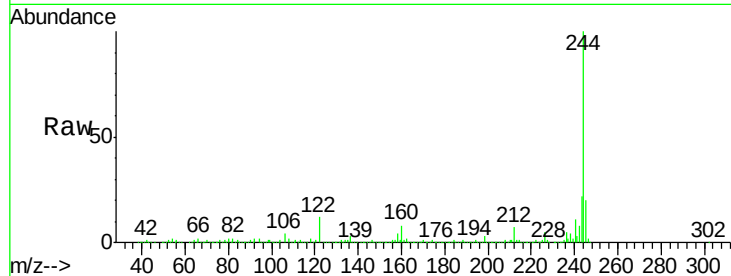
Acq: 4 Mar 2016 3:45

Instrument :

BNA_F

ClientSampleId :

SB-52(COMP)



Tgt Ion:244 Resp: 1134560

Ion Ratio Lower Upper

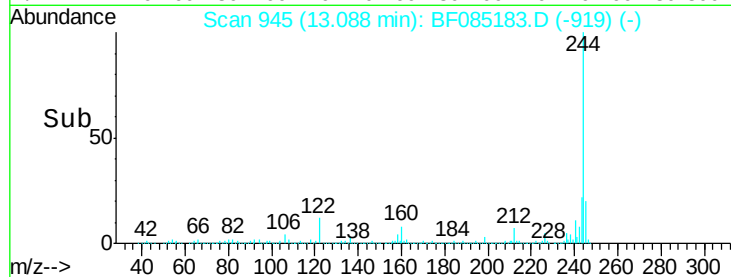
244 100

212 7.4 6.4 9.6

122 12.1 11.4 17.2

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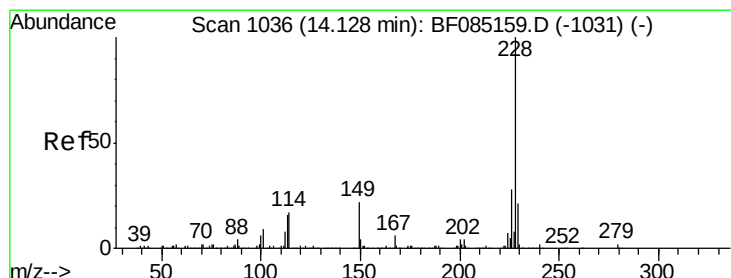
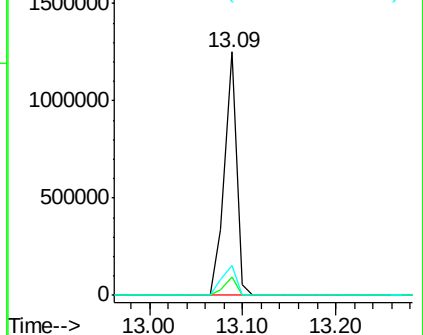
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.82 ng

RT: 14.13 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF085183.D

Acq: 4 Mar 2016 3:45

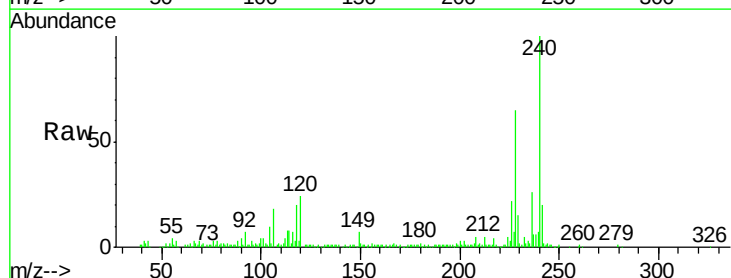
Tgt Ion:228 Resp: 81389

Ion Ratio Lower Upper

228 100

226 33.4 22.8 34.2

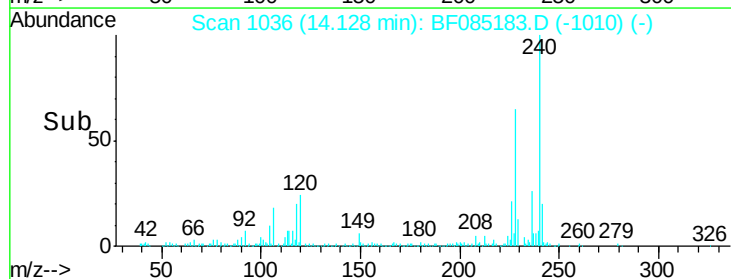
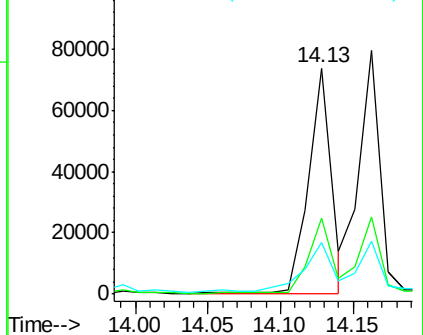
229 22.5 16.6 24.8

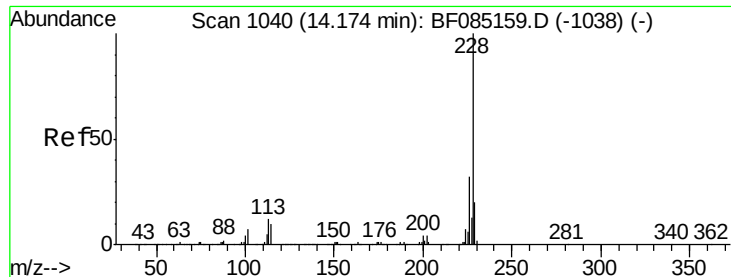


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





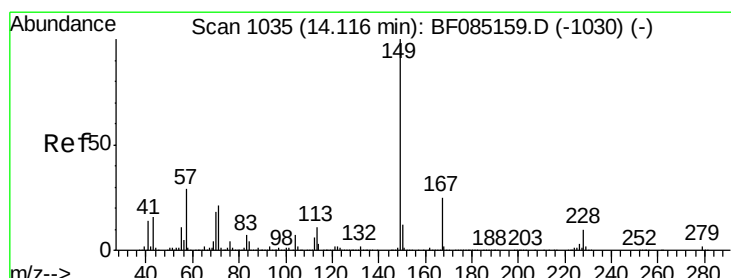
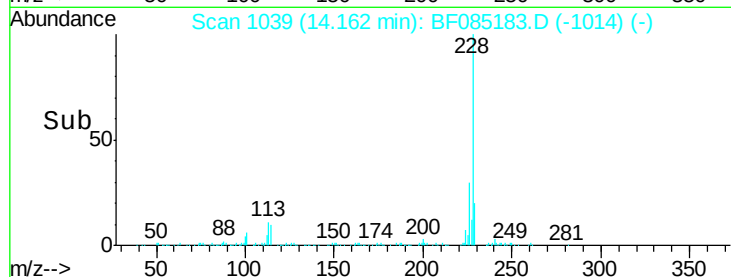
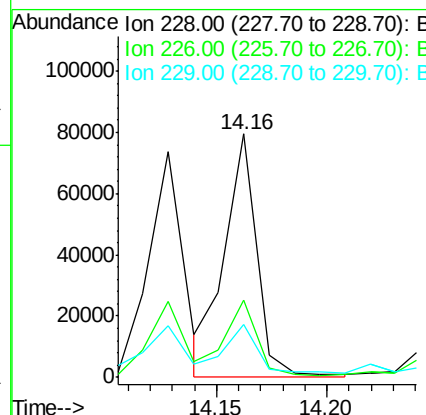
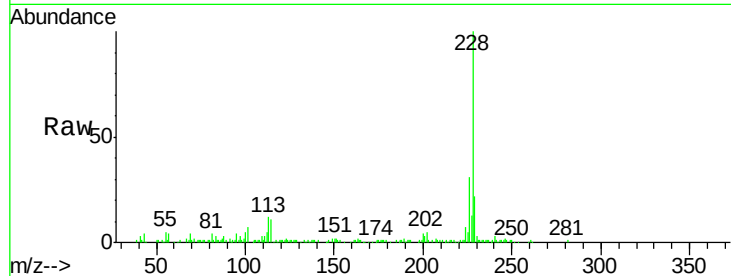
#82
Chrysene
Concen: 5.18 ng m
RT: 14.16 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF085183.D
Acq: 4 Mar 2016 3:45

Instrument :
BNA_F
ClientSampleId :
SB-52(COMP)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.2	37.8
229	21.8	16.0	24.0

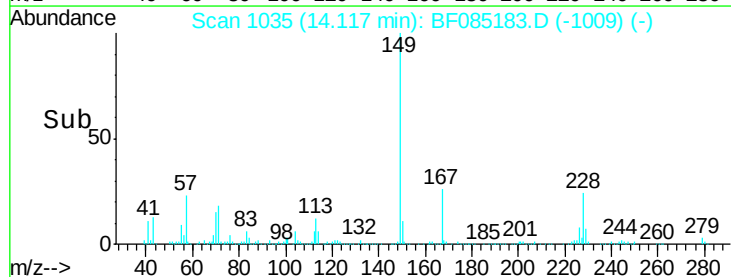
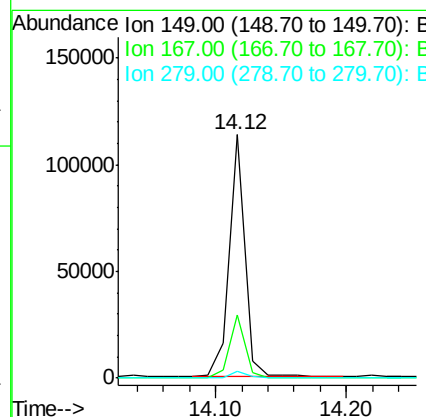
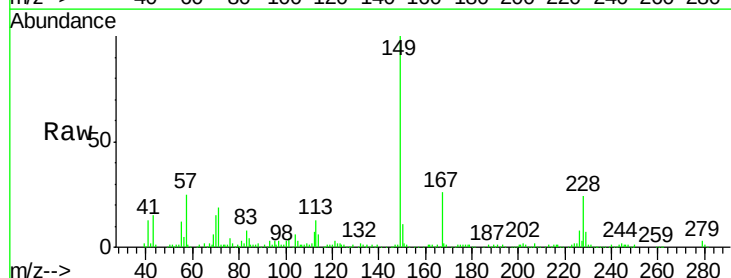
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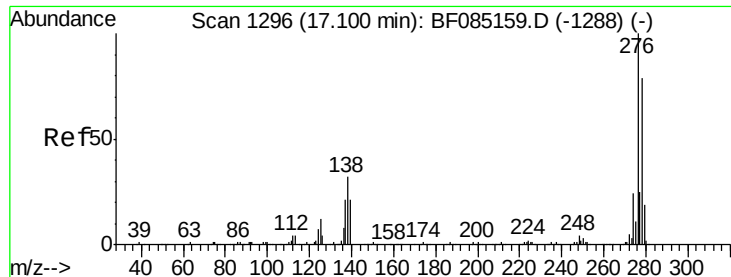
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#83
Bis(2-ethylhexyl)phthalate
Concen: 7.48 ng
RT: 14.12 min Scan# 1035
Delta R.T. 0.00 min
Lab File: BF085183.D
Acq: 4 Mar 2016 3:45

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.9	20.3	30.5
279	2.8	1.9	2.9





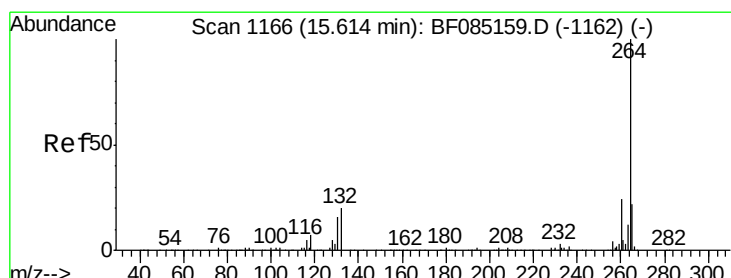
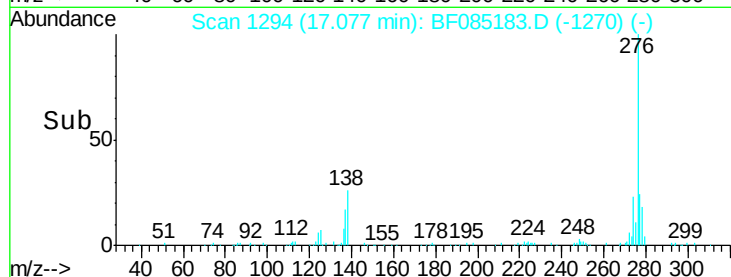
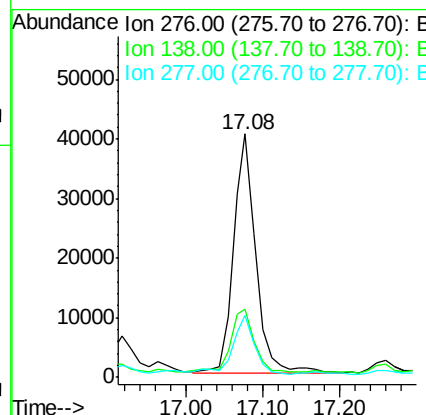
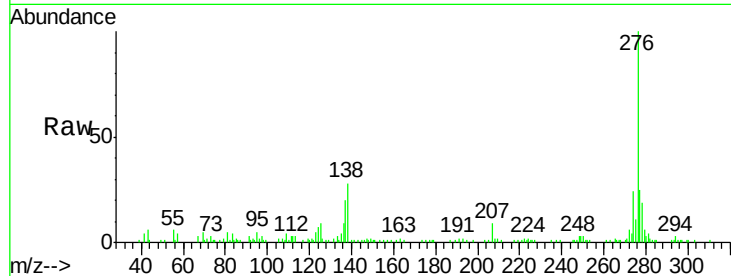
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.68 ng
RT: 17.08 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF085183.D
Acq: 4 Mar 2016 3:45

Instrument :
BNA_F
ClientSampleId :
SB-52(COMP)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.4	26.4	39.6
277	24.8	20.2	30.2

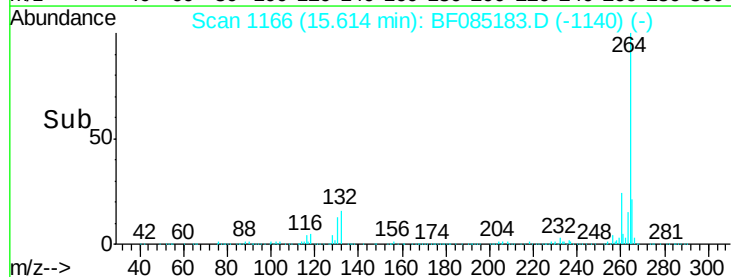
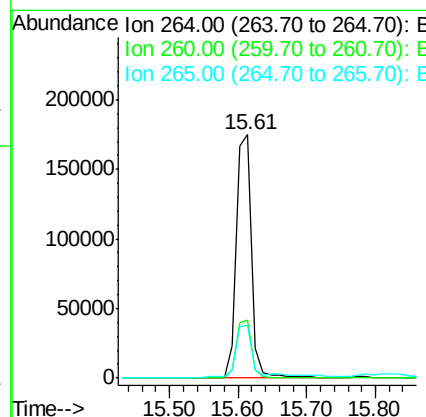
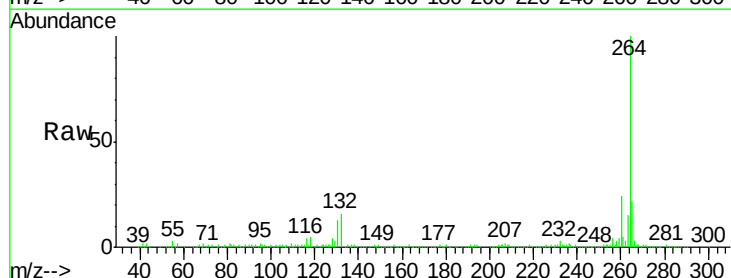
Manual Integrations
APPROVED

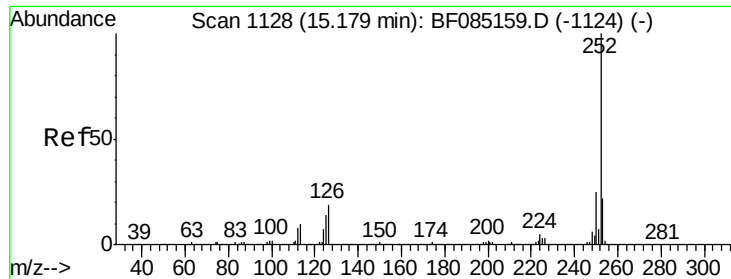
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.61 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF085183.D
Acq: 4 Mar 2016 3:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.7	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 5.92 ng m

RT: 15.18 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BF085183.D

Acq: 4 Mar 2016 3:45

Instrument :

BNA_F

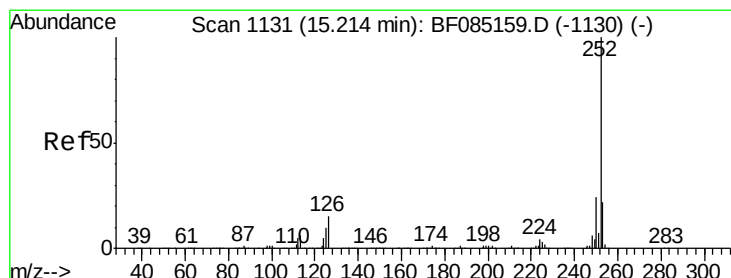
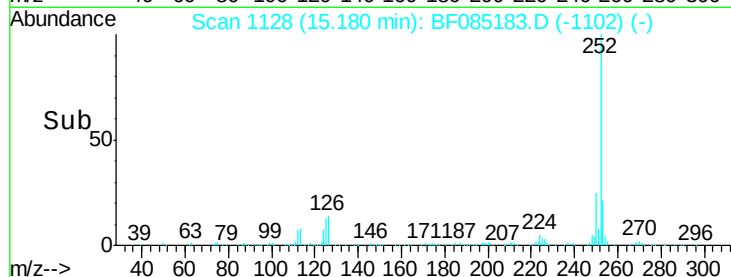
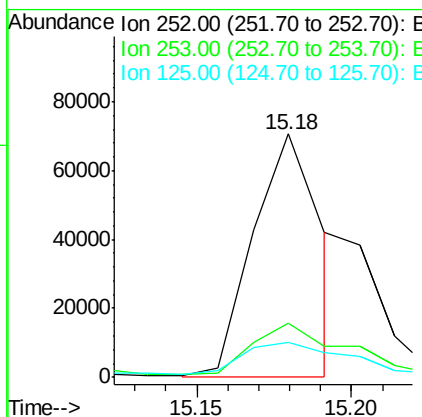
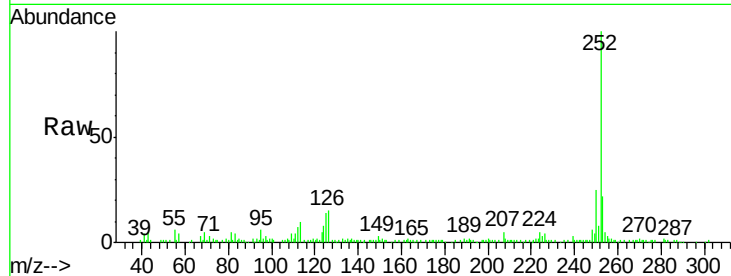
ClientSampleId :

SB-52(COMP)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	14.5	11.3	16.9

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.52 ng m

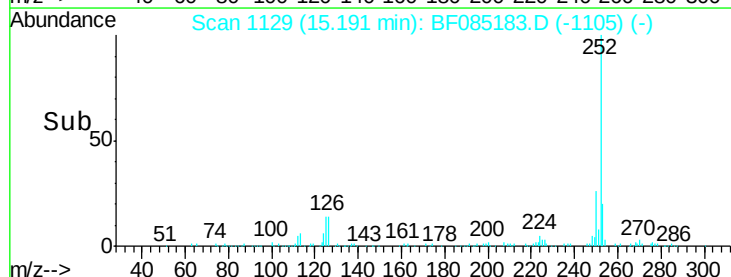
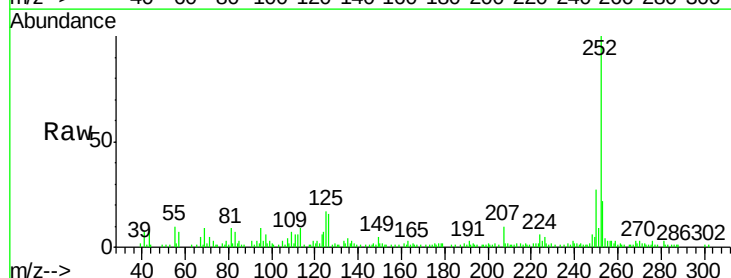
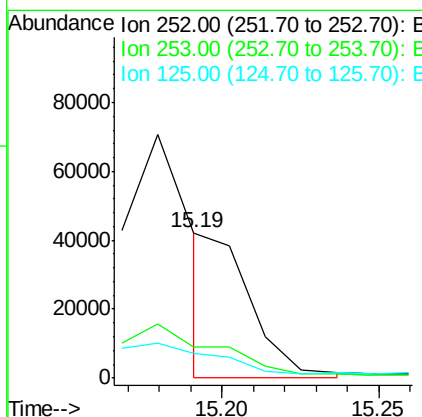
RT: 15.19 min Scan# 1129

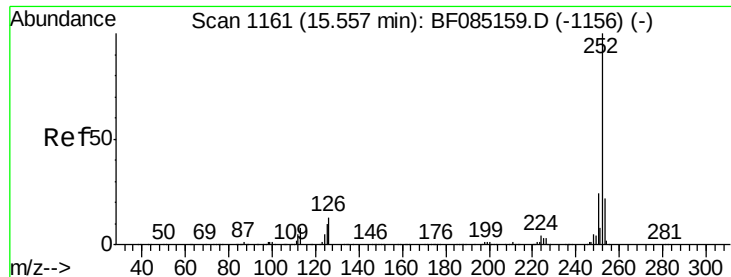
Delta R.T. -0.02 min

Lab File: BF085183.D

Acq: 4 Mar 2016 3:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	16.9	10.4	15.6#





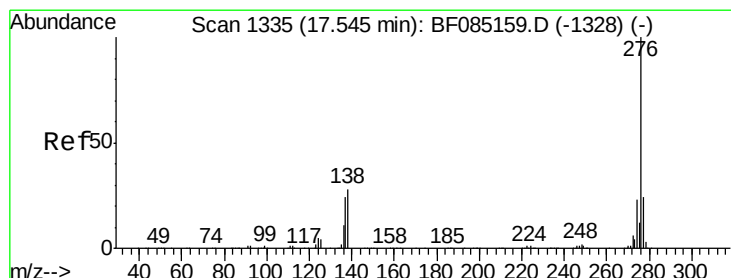
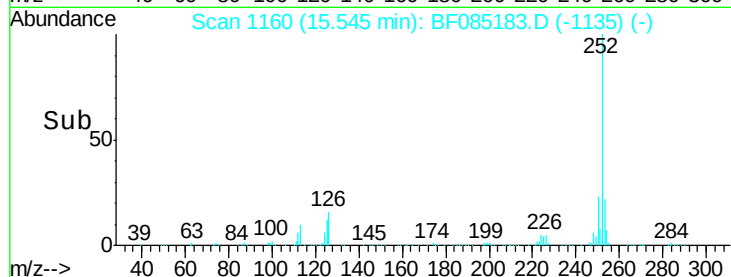
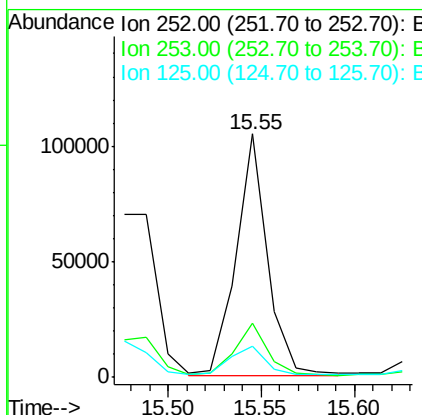
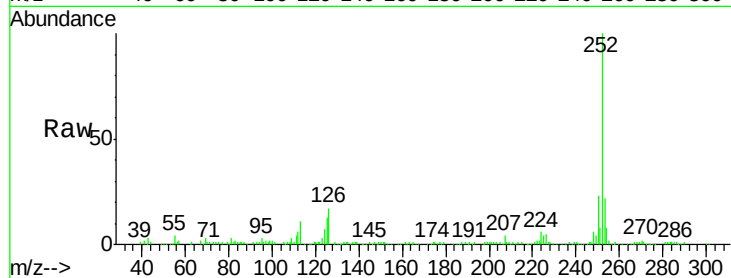
#89
Benzo(a)pyrene
Concen: 8.07 ng
RT: 15.55 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF085183.D
Acq: 4 Mar 2016 3:45

Instrument :
BNA_F
ClientSampleId :
SB-52(COMP)

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.4	17.4	26.0
125	12.8	8.2	12.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 9.20 ng
RT: 17.52 min Scan# 1333
Delta R.T. -0.02 min
Lab File: BF085183.D
Acq: 4 Mar 2016 3:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.1	19.0	28.4
138	27.3	22.5	33.7

