

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
 Data File : BF083770.D
 Acq On : 14 Dec 2015 10:41
 Operator : UM/IZ
 Sample : G4648-22
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06(0-0.16)

Manual Integrations
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Quant Time: Dec 14 11:33:24 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	114678	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	409211	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	167861	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	277529	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	240307	20.00	ng	-0.01
86) Perylene-d12	15.51	264	170436	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	750107	105.52	ng	0.00
7) Phenol-d6	6.54	99	972639	108.05	ng	0.00
23) Nitrobenzene-d5	7.48	82	646067	88.33	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	176935	103.44	ng	-0.01
44) 2-Fluorobiphenyl	9.28	172	879982	73.84	ng	-0.01
78) Terphenyl-d14	13.01	244	633971	56.75	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.66	163	216508	16.54	ng	99
70) Phenanthrene	11.46	178	62570	4.24	ng	99
74) Fluoranthene	12.65	202	144728	9.50	ng	96
77) Pyrene	12.86	202	117831	6.20	ng	98
80) Benzo(a)anthracene	14.05	228	58985	4.32	ng	98
82) Chrysene	14.09	228	68135m	5.11	ng	
87) Benzo(b)fluoranthene	15.09	252	76222m	7.01	ng	
88) Benzo(k)fluoranthene	15.12	252	21388m	2.17	ng	
89) Benzo(a)pyrene	15.45	252	40747	4.20	ng	100
91) Benzo(g,h,i)perylene	17.36	276	23631	2.38	ng	94

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

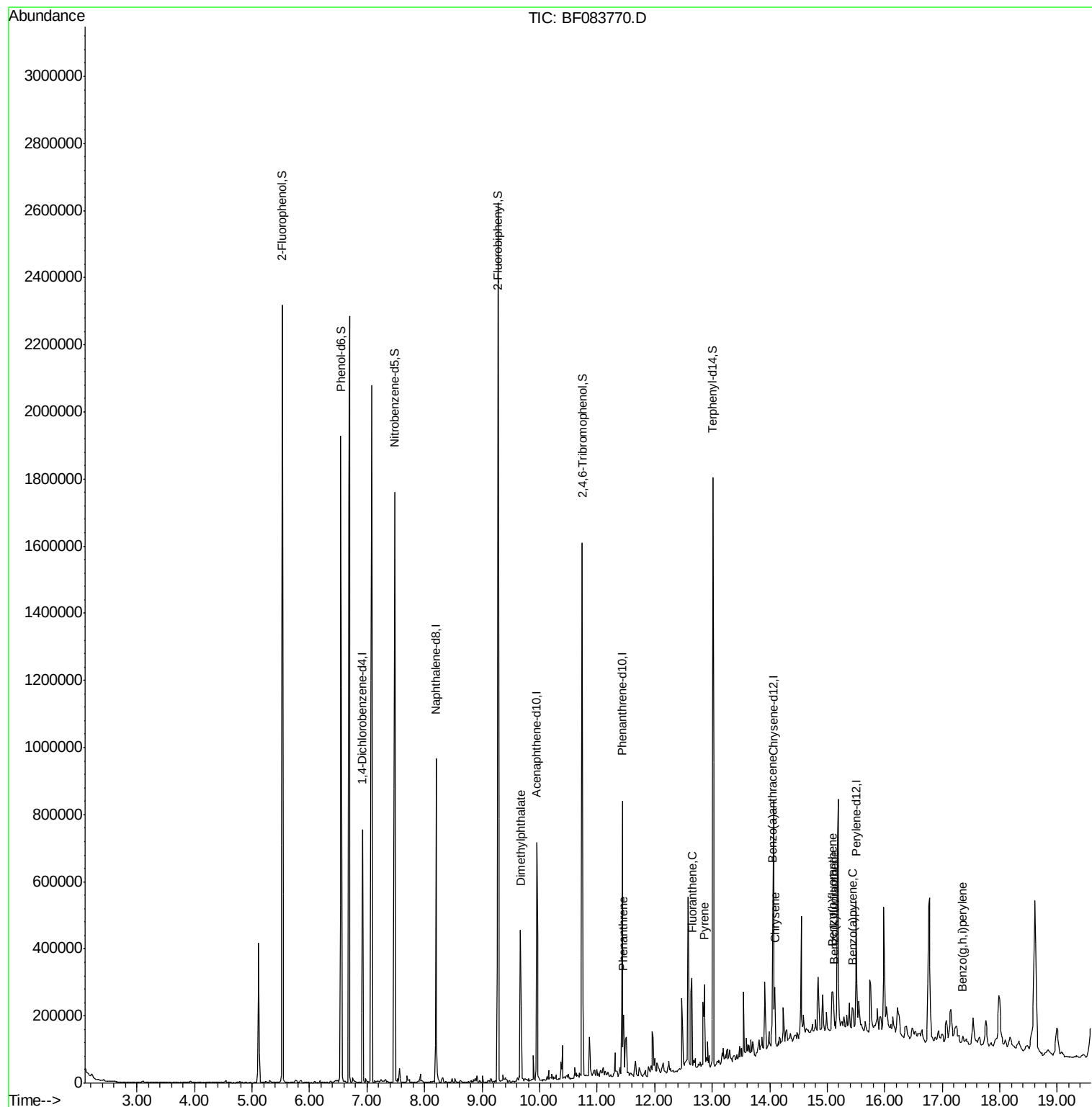
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121315\
Data File : BF083770.D
Acq On : 14 Dec 2015 10:41
Operator : UM/IZ
Sample : G4648-22
Misc :
ALS Vial : 60 Sample Multiplier: 1

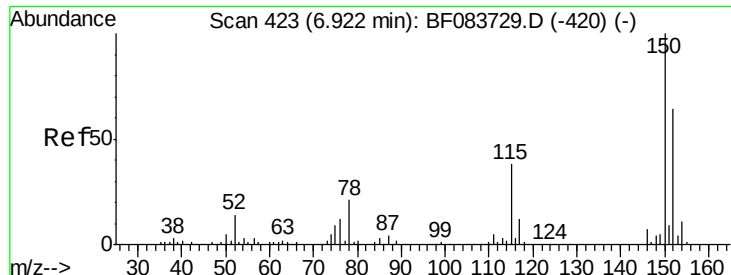
Instrument :
BNA_F
ClientSampleId :
SB-06(0-0.16)

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#1

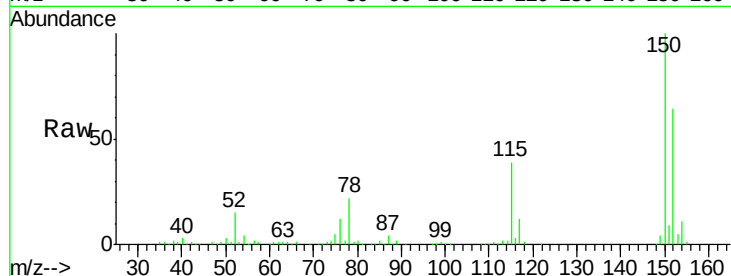
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 423
Delta R.T. -0.00 min
Lab File: BF083770.D
Acq: 14 Dec 2015 10:41

Instrument :
BNA_F
ClientSampleId :
SB-06(0-0.16)

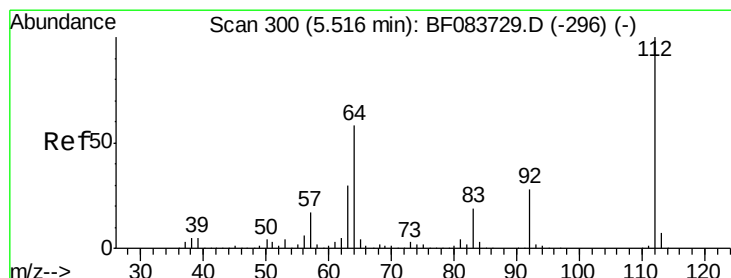
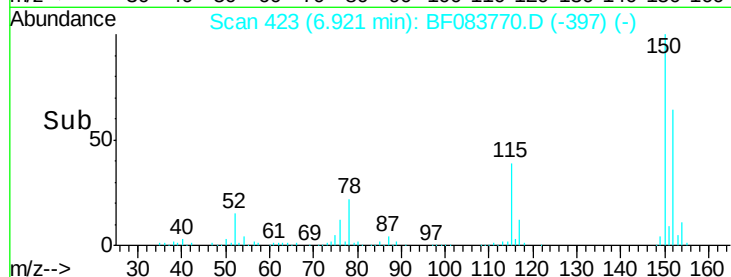
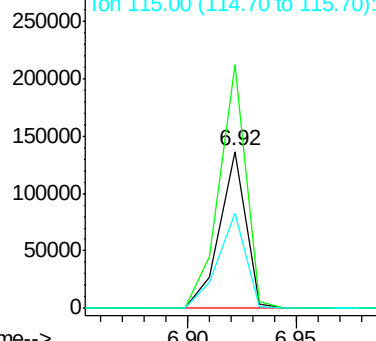
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	126.5	189.7
115	60.4	52.3	78.5

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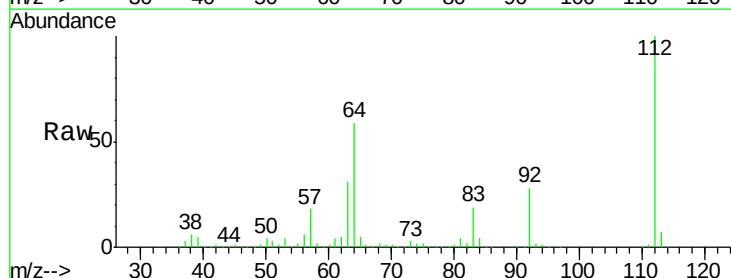
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



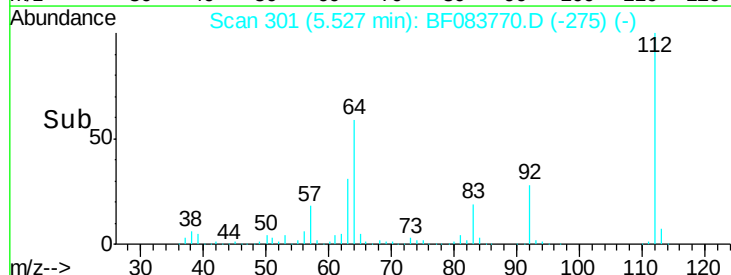
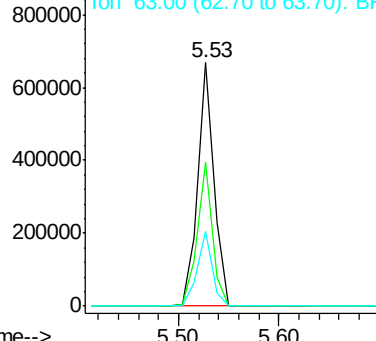
#5

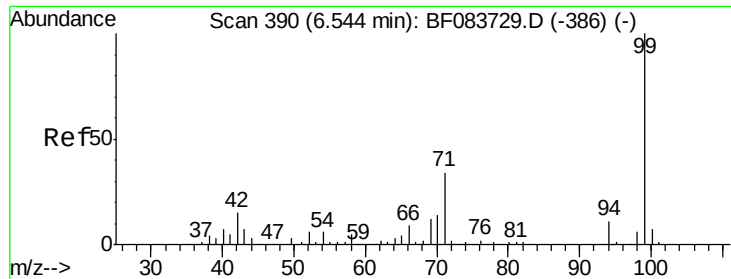
2-Fluorophenol
Concen: 105.52 ng
RT: 5.53 min Scan# 301
Delta R.T. 0.00 min
Lab File: BF083770.D
Acq: 14 Dec 2015 10:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	50.5	75.7
63	30.5	25.8	38.6



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: 108.05 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.00 min

Lab File: BF083770.D

Acq: 14 Dec 2015 10:41

Instrument :

BNA_F

ClientSampleId :

SB-06(0-0.16)

Tot Ion: 99 Resp: 972639

Ion Ratio Lower Upper

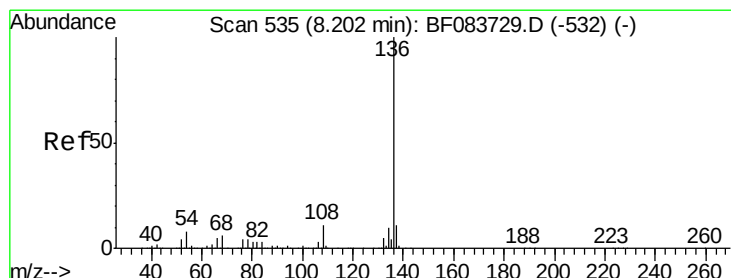
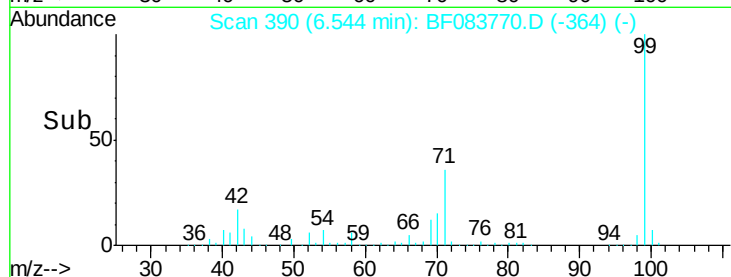
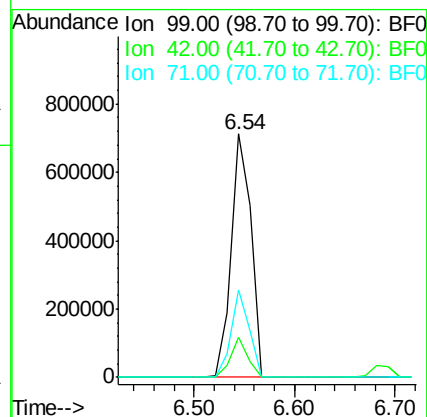
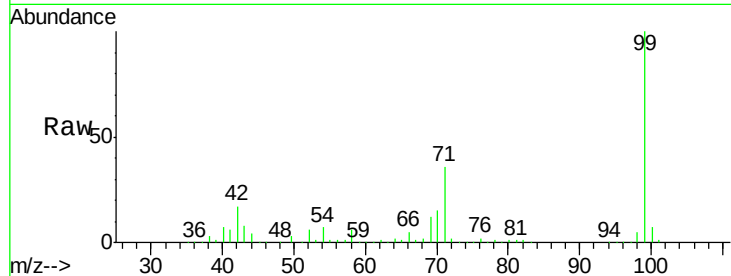
99 100

42 16.6 17.3 25.9#

71 36.1 26.6 40.0

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF083770.D

Acq: 14 Dec 2015 10:41

Tgt Ion: 136 Resp: 409211

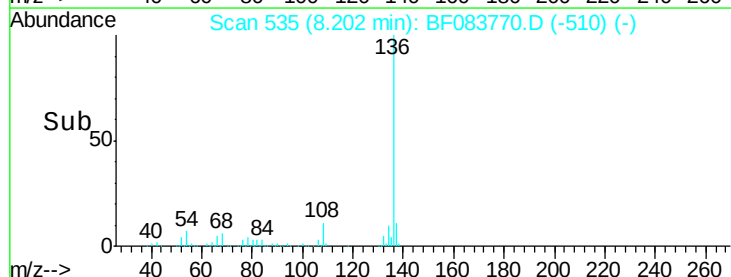
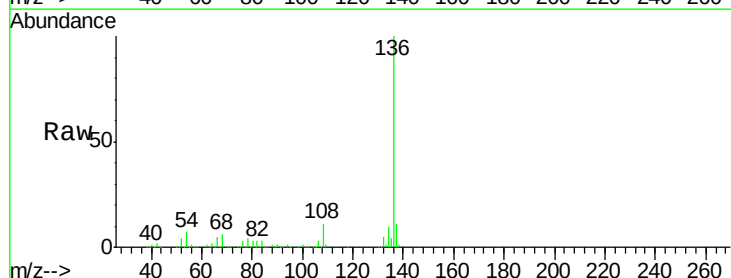
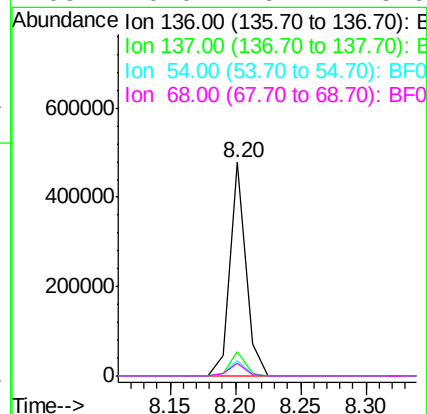
Ion Ratio Lower Upper

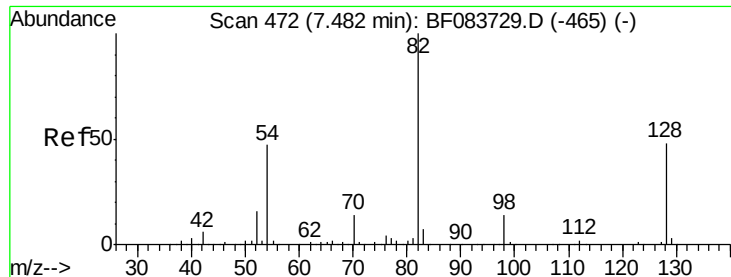
136 100

137 11.2 8.7 13.1

54 7.4 7.8 11.6#

68 6.0 5.7 8.5





#23

Nitrobenzene-d5

Concen: 88.33 ng

RT: 7.48 min Scan# 472

Delta R.T. 0.00 min

Lab File: BF083770.D

Acq: 14 Dec 2015 10:41

Instrument :

BNA_F

ClientSampleId :

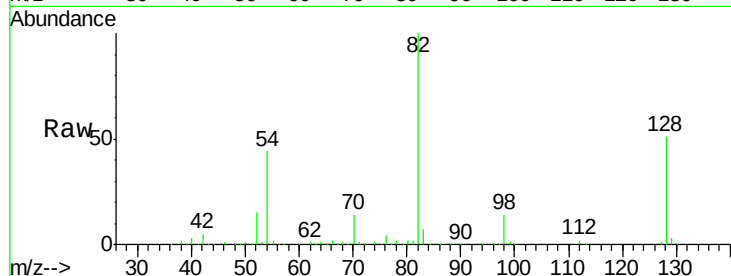
SB-06(0-0.16)

Tot Ion: 82 Resp: 646067
Ion Ratio Lower Upper

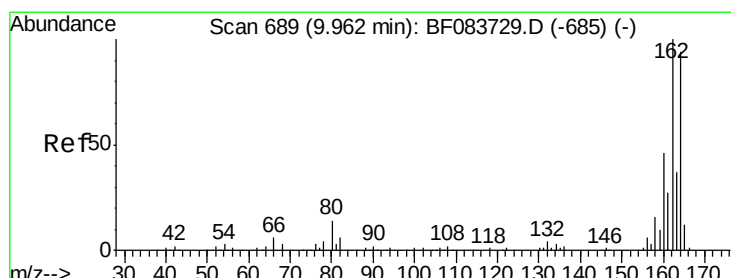
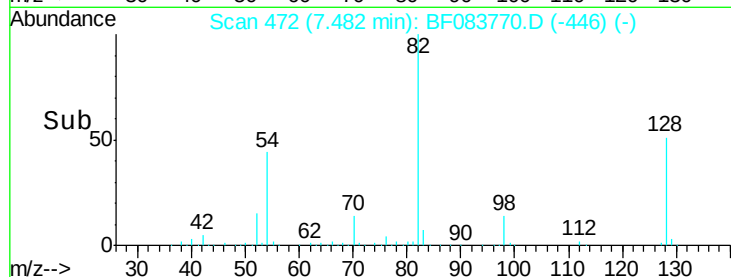
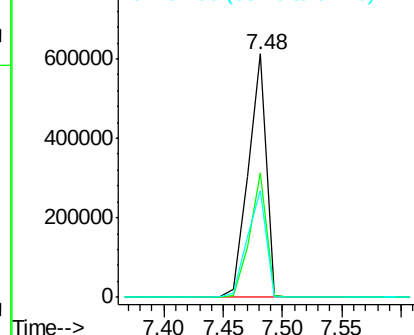
82	100		
128	51.1	30.7	46.1#
54	43.9	42.5	63.7

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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: 9.95 min Scan# 688

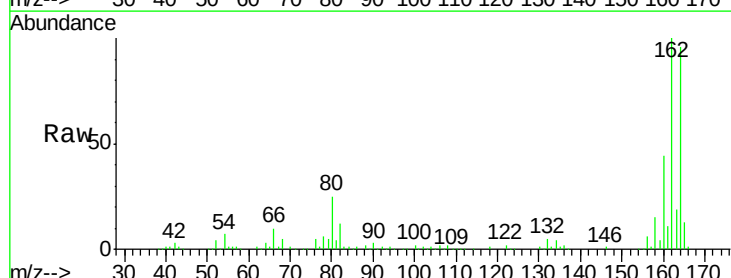
Delta R.T. -0.01 min

Lab File: BF083770.D

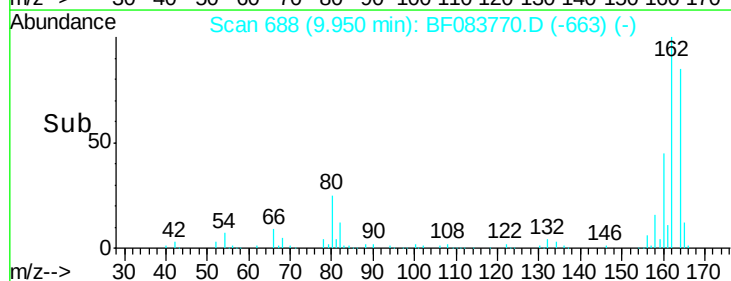
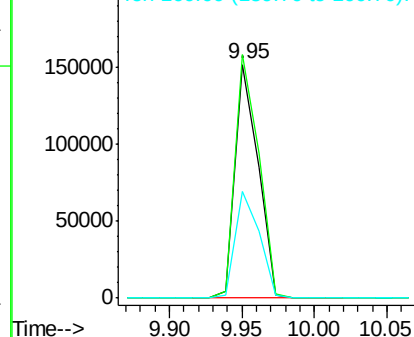
Acq: 14 Dec 2015 10:41

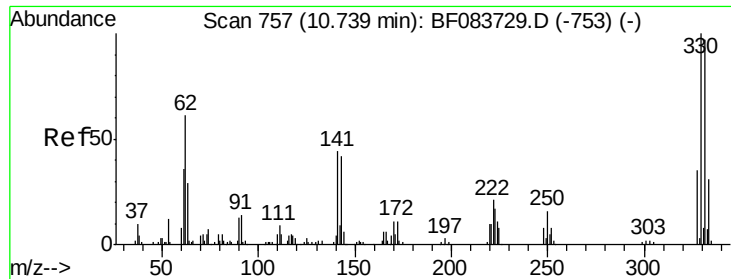
Tgt Ion:164 Resp: 167861
Ion Ratio Lower Upper

164	100		
162	104.3	78.8	118.2
160	45.8	33.4	50.2



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





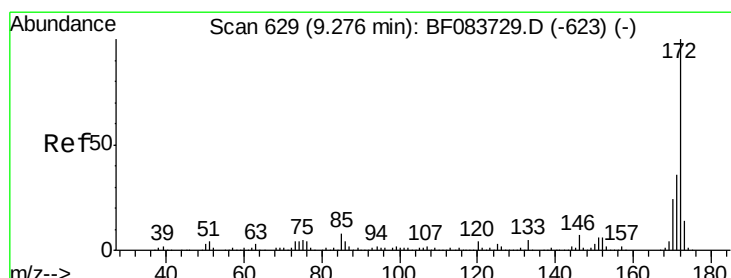
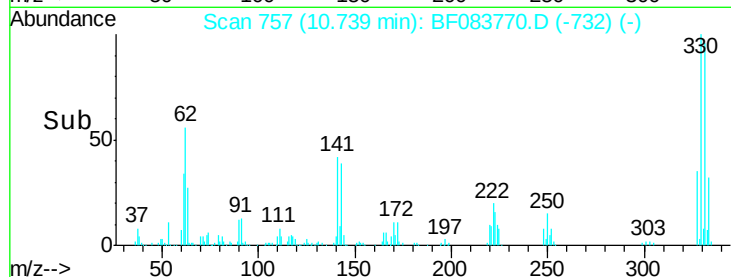
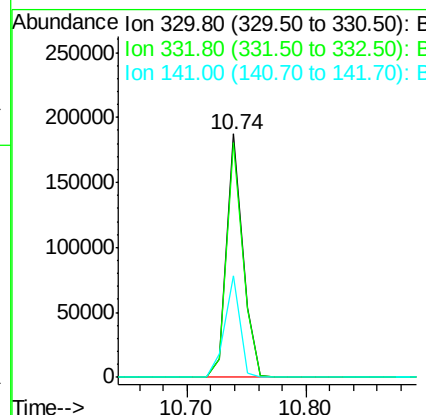
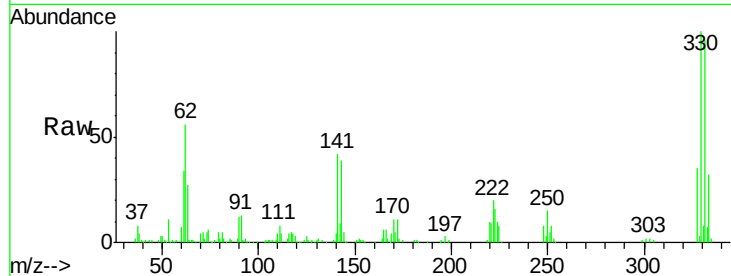
#41
 2,4,6-Tribromophenol
 Concen: 103.44 ng
 RT: 10.74 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: BF083770.D
 Acq: 14 Dec 2015 10:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-06(0-0.16)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	176935		
332	97.2	0.0	0.0	0.0
141	39.7	0.0	0.0	0.0

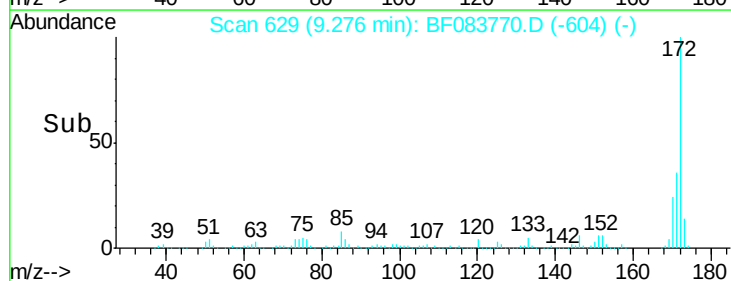
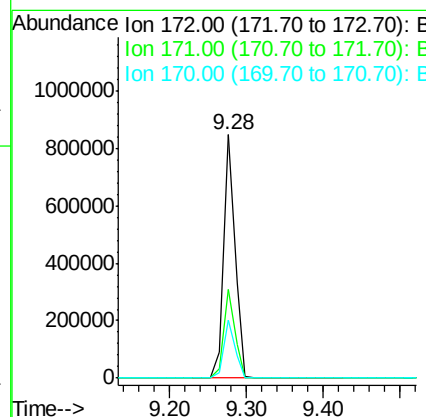
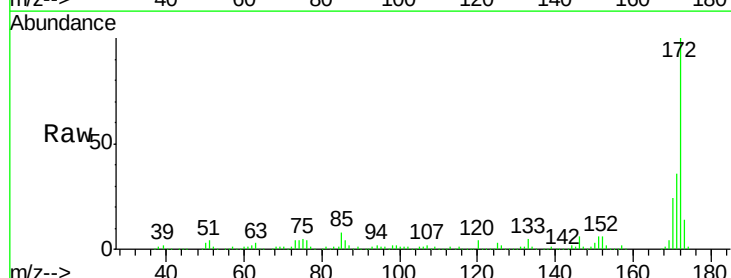
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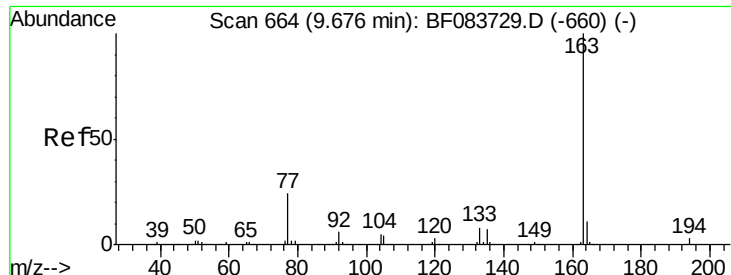
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#44
 2-Fluorobiphenyl
 Concen: 73.84 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF083770.D
 Acq: 14 Dec 2015 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	879982		
171	36.4	28.6	42.8	
170	23.9	19.4	29.0	





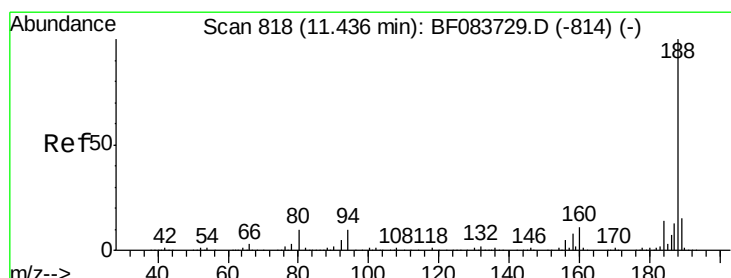
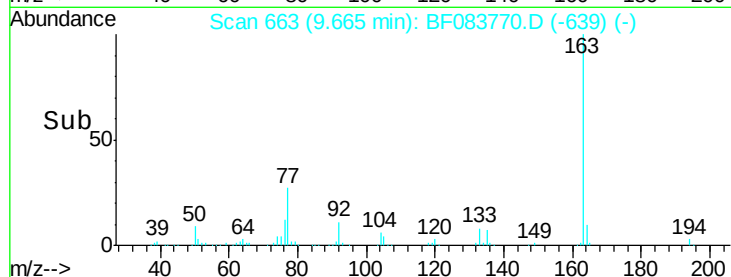
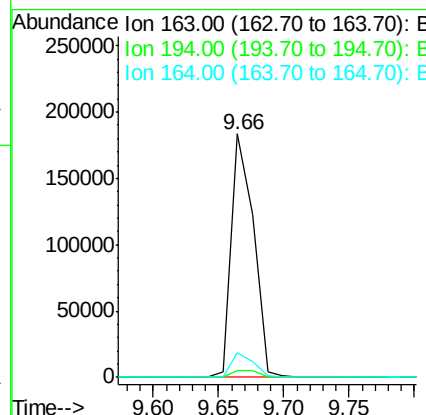
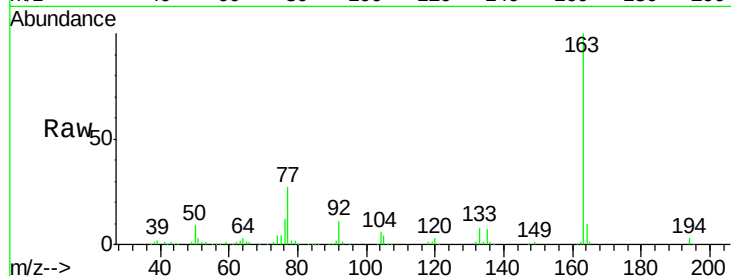
#49
Dimethylphthalate
Concen: 16.54 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.02 min
Lab File: BF083770.D
Acq: 14 Dec 2015 10:41

Instrument :
BNA_F
ClientSampleId :
SB-06(0-0.16)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	216508		
194	2.9		2.8	4.2
164	10.3		8.6	13.0

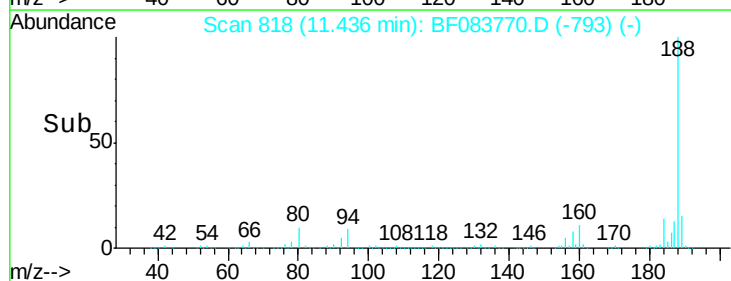
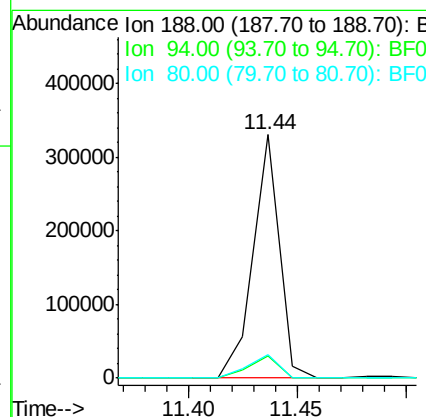
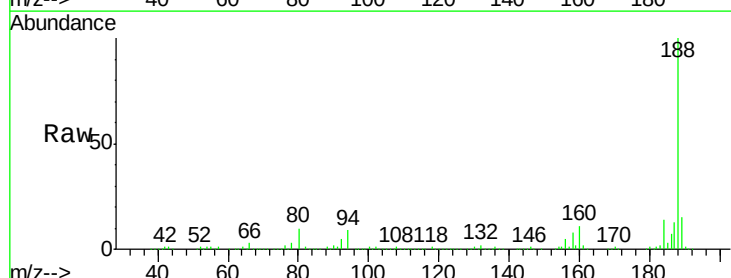
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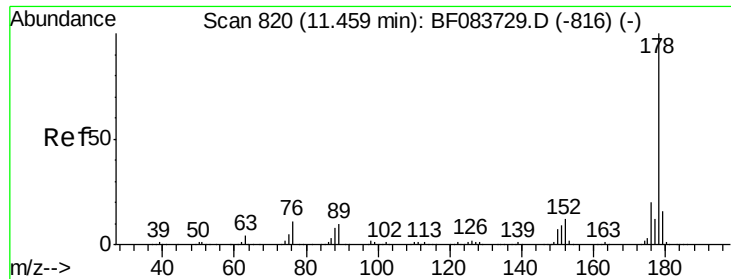
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF083770.D
Acq: 14 Dec 2015 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	277529		
94	8.9		9.4	14.2#
80	9.7		10.6	16.0#





#70

Phenanthrene

Concen: 4.24 ng

RT: 11.46 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF083770.D

Acq: 14 Dec 2015 10:41

Instrument :

BNA_F

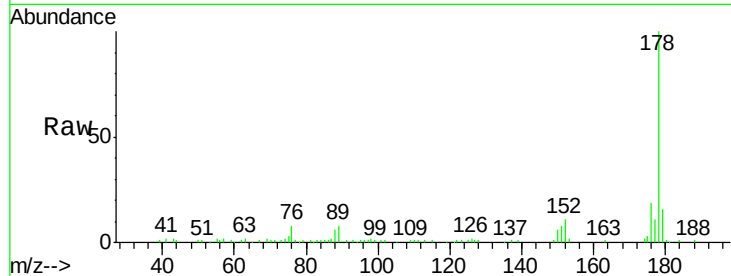
ClientSampleId :

SB-06(0-0.16)

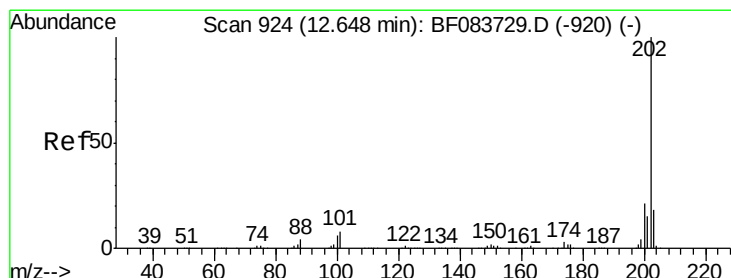
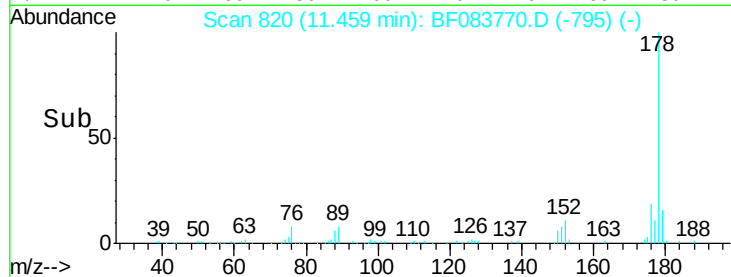
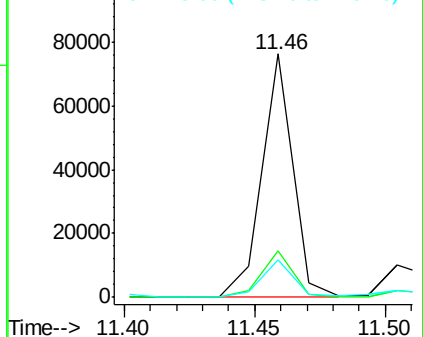
Tot Ion:	178	Resp:	62570
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.7	23.5
179	15.5	12.2	18.4

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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: 9.50 ng

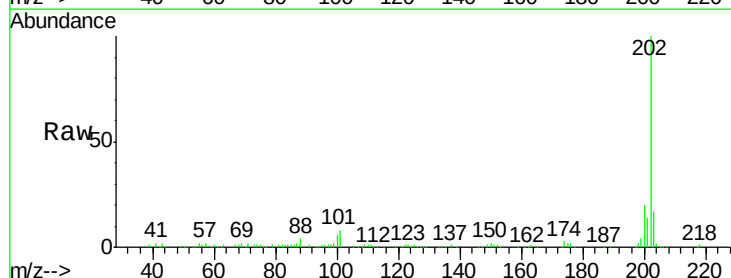
RT: 12.65 min Scan# 924

Delta R.T. -0.00 min

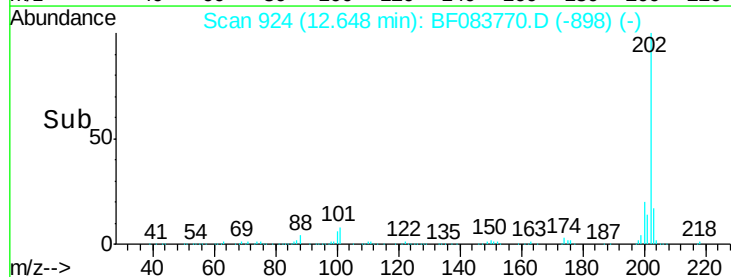
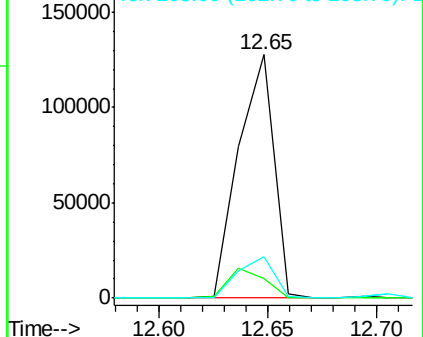
Lab File: BF083770.D

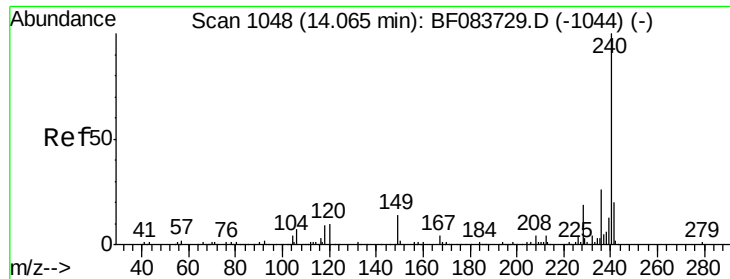
Acq: 14 Dec 2015 10:41

Tgt Ion:	202	Resp:	144728
Ion Ratio	Lower	Upper	
202	100		
101	8.0	0.0	31.5
203	17.0	0.0	37.6



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: 14.07 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF083770.D

Acq: 14 Dec 2015 10:41

Instrument :

BNA_F

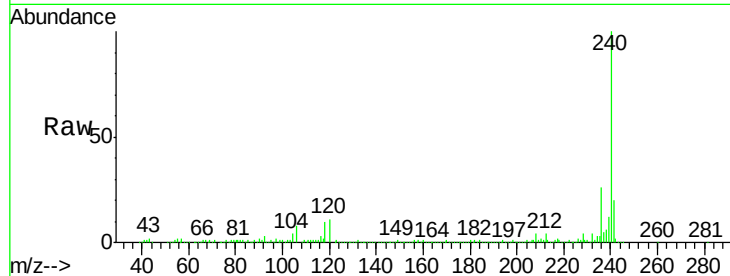
ClientSampleId :

SB-06(0-0.16)

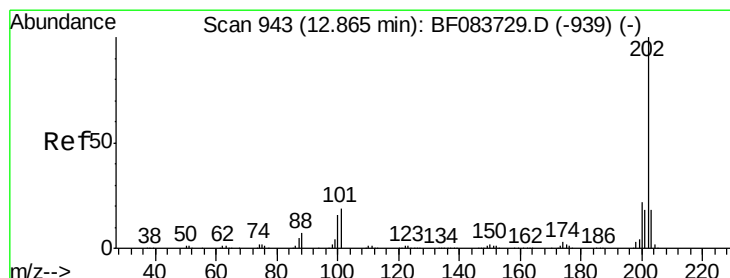
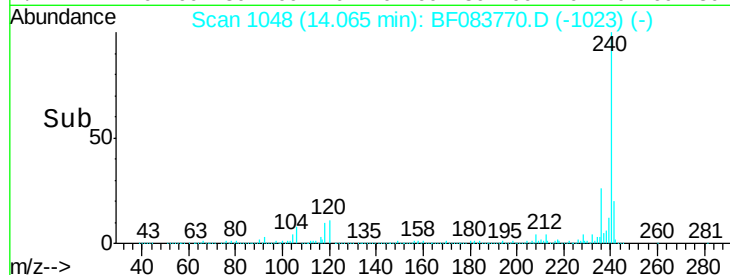
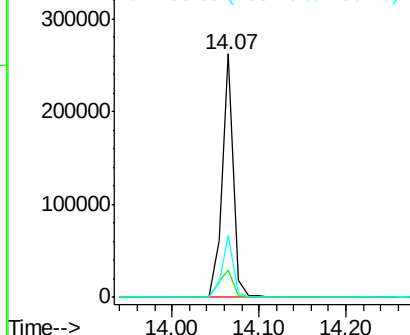
Tot Ion:	240	Resp:	240307
Ion Ratio	Lower	Upper	
240	100		
120	11.3	8.1	12.1
236	25.6	20.8	31.2

Manual Integrations
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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: 6.20 ng

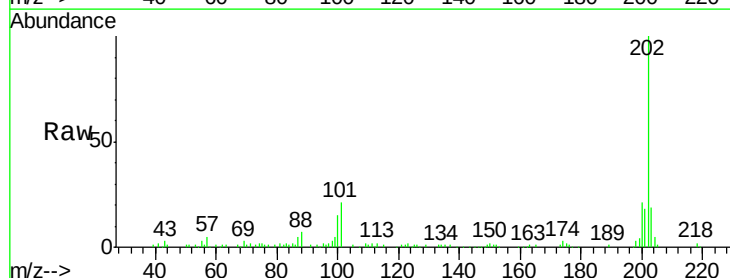
RT: 12.86 min Scan# 943

Delta R.T. -0.01 min

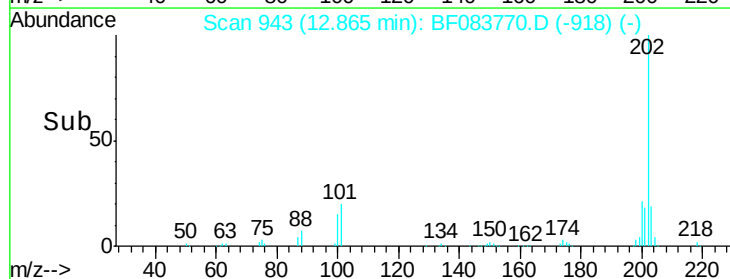
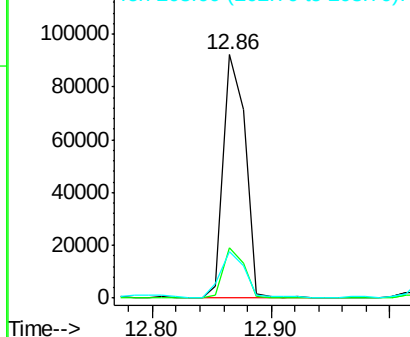
Lab File: BF083770.D

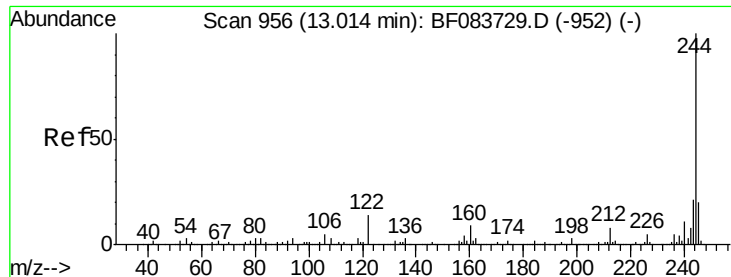
Acq: 14 Dec 2015 10:41

Tgt Ion:	202	Resp:	117831
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.7	25.1
203	19.2	14.3	21.5



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





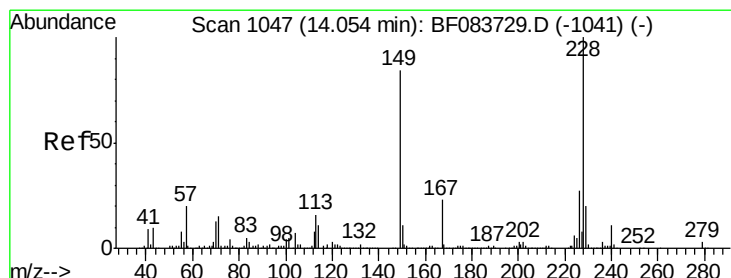
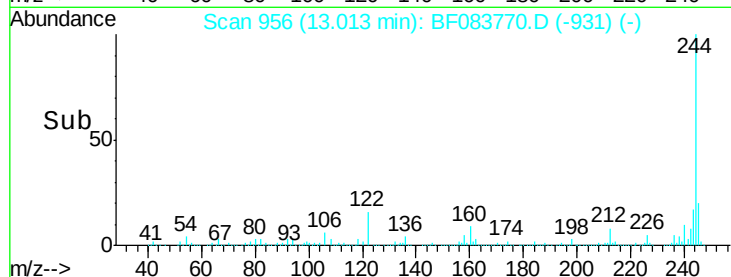
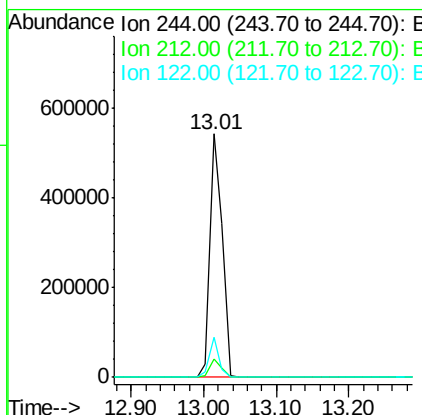
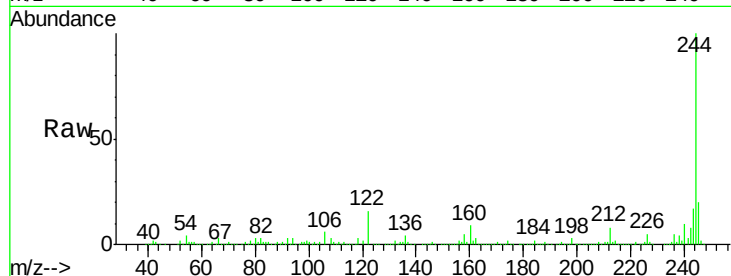
#78
 Terphenyl-d14
 Concen: 56.75 ng
 RT: 13.01 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BF083770.D
 Acq: 14 Dec 2015 10:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-06(0-0.16)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.1	9.1
122	16.5	11.0	16.6

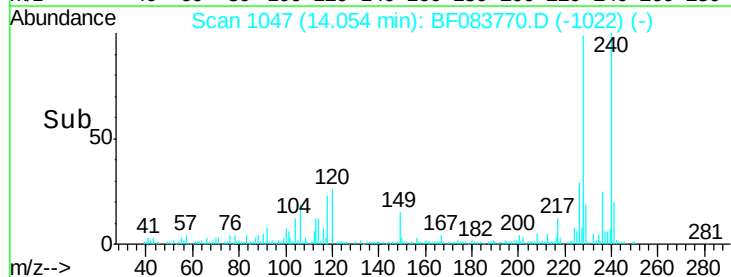
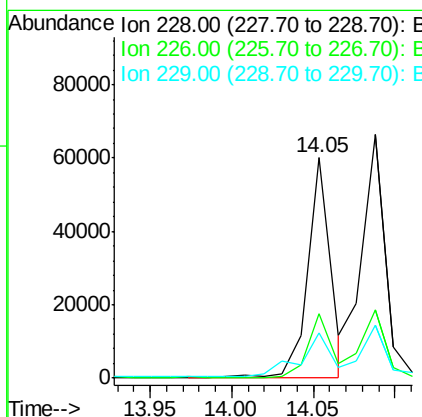
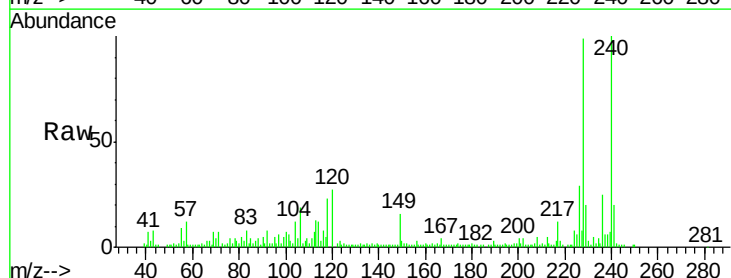
Manual Integrations
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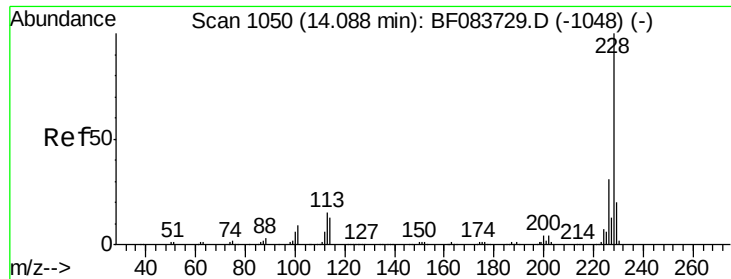
MMdadoda
 12/14/2015 6:23:58 PM



#80
 Benzo(a)anthracene
 Concen: 4.32 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BF083770.D
 Acq: 14 Dec 2015 10:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.3	33.5
229	20.5	15.7	23.5





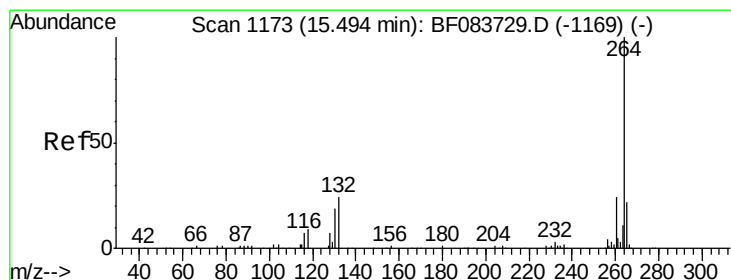
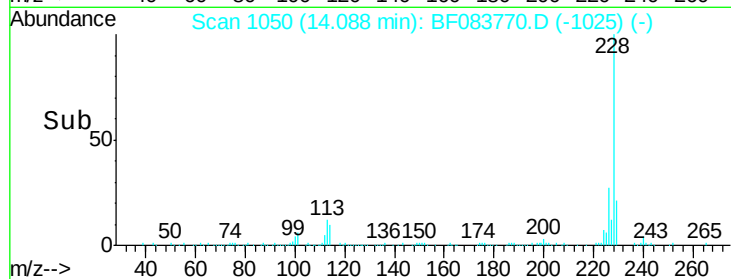
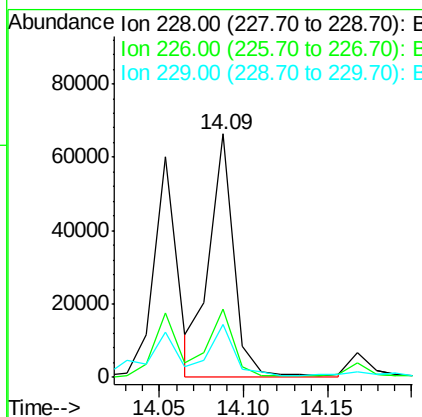
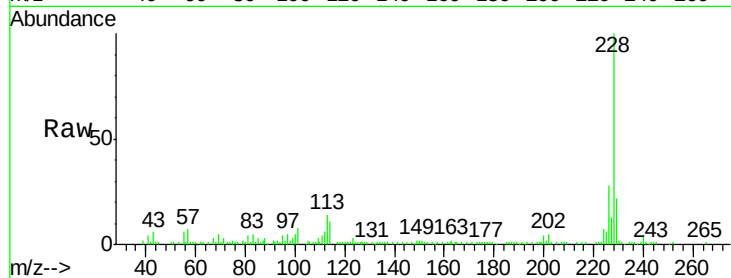
#82
Chrysene
Concen: 5.11 ng/mL
RT: 14.09 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF083770.D
Acq: 14 Dec 2015 10:41

Instrument :
BNA_F
ClientSampleId :
SB-06(0-0.16)

Tot Ion:	228	Resp:	68135
Ion Ratio	Lower	Upper	
228	100		
226	27.9	24.7	37.1
229	22.0	16.3	24.5

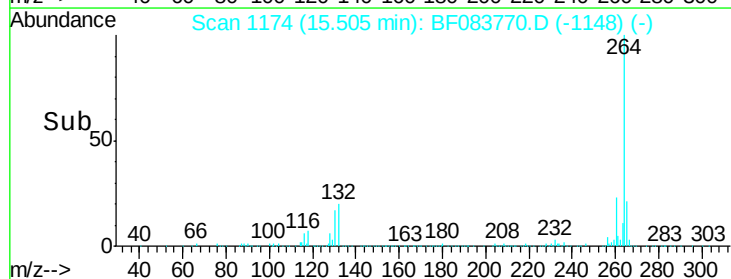
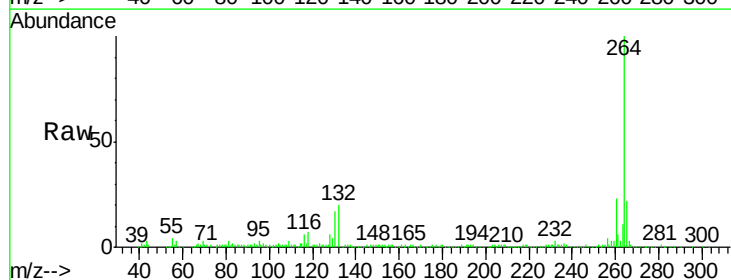
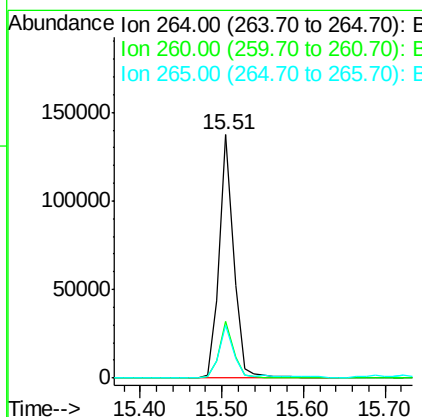
Manual Integrations
APPROVED

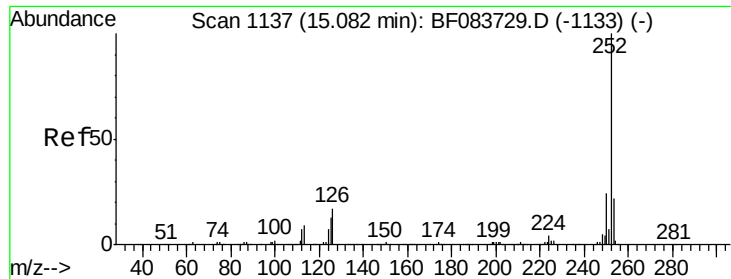
MMdadoda
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. -0.00 min
Lab File: BF083770.D
Acq: 14 Dec 2015 10:41

Tgt Ion:	264	Resp:	170436
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.4	29.0
265	21.7	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 7.01 ng m

RT: 15.09 min Scan# 1138

Delta R.T. 0.00 min

Lab File: BF083770.D

Acq: 14 Dec 2015 10:41

Instrument :

BNA_F

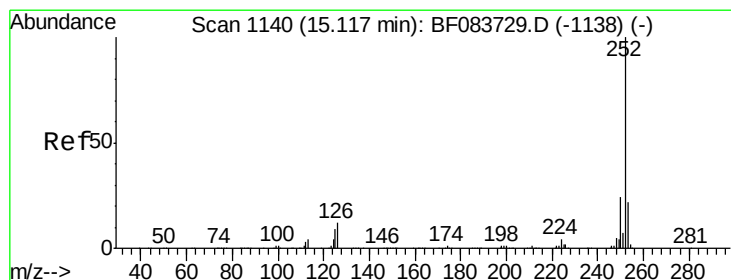
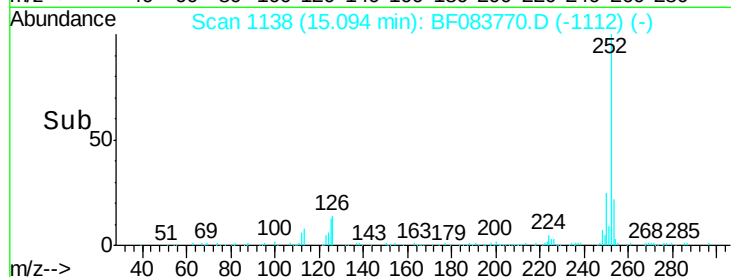
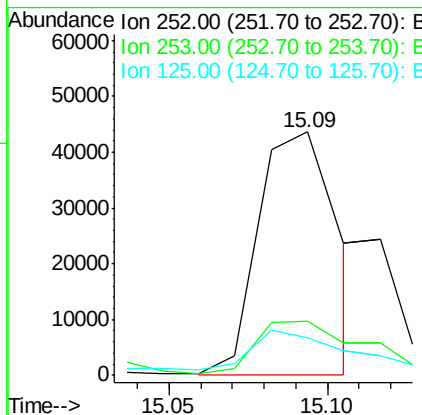
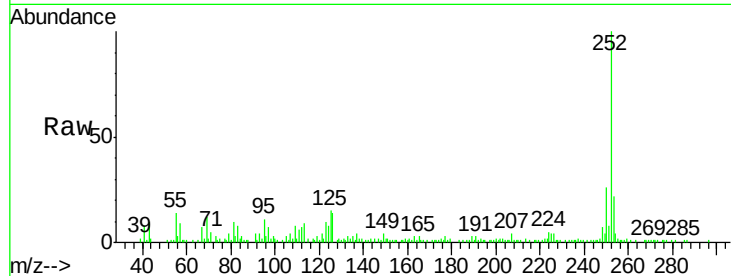
ClientSampleId :

SB-06(0-0.16)

Tot Ion:	252	Resp:	76222
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.2	27.4
125	15.3	8.2	12.4

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.17 ng m

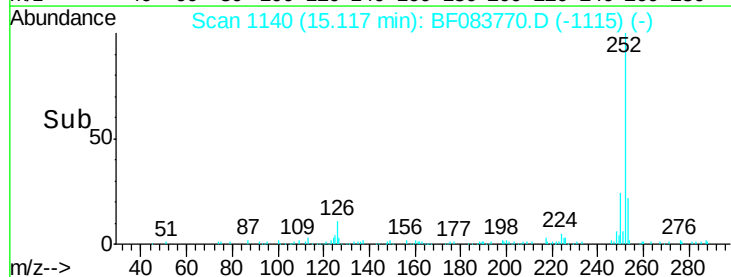
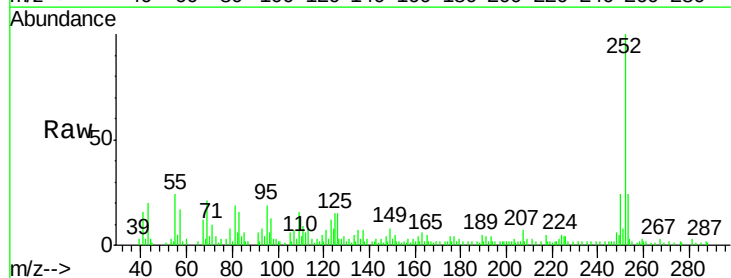
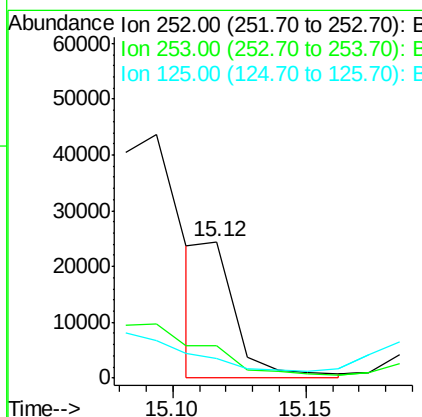
RT: 15.12 min Scan# 1140

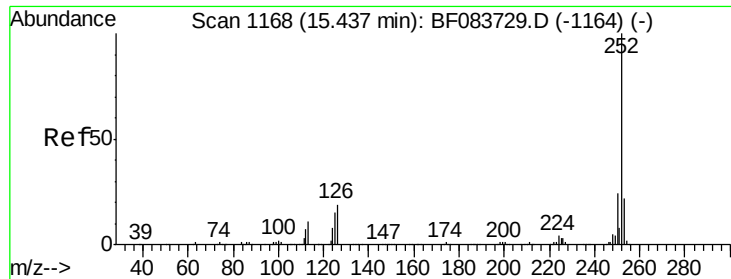
Delta R.T. -0.01 min

Lab File: BF083770.D

Acq: 14 Dec 2015 10:41

Tgt Ion:	252	Resp:	21388
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.6	27.8
125	14.7	11.5	17.3





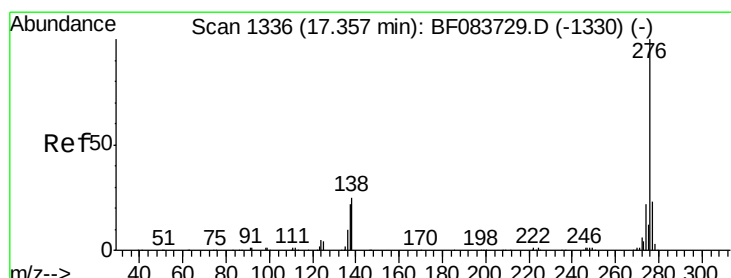
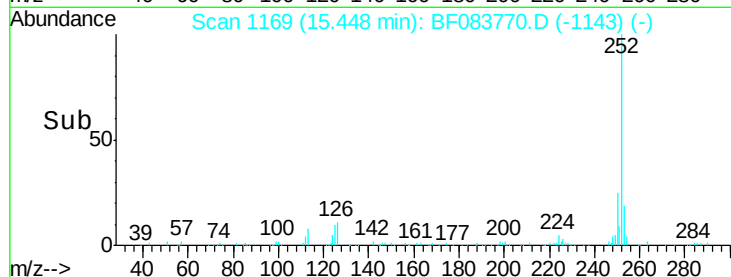
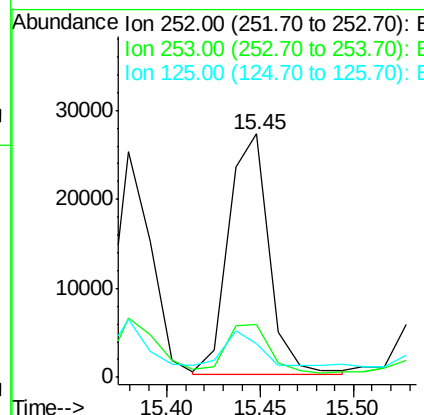
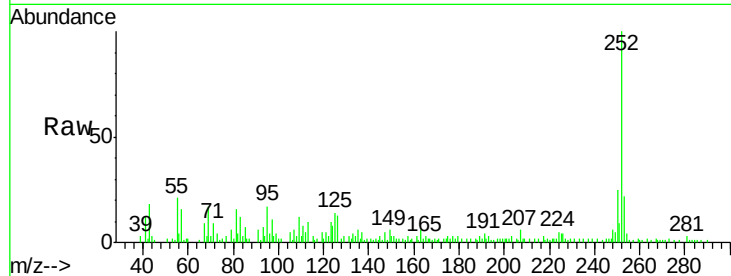
#89
Benzo(a)pyrene
Concen: 4.20 ng
RT: 15.45 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF083770.D
Acq: 14 Dec 2015 10:41

Instrument :
BNA_F
ClientSampleId :
SB-06(0-0.16)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	14.0	11.0	16.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.38 ng
RT: 17.36 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF083770.D
Acq: 14 Dec 2015 10:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.2	28.8
138	28.9	19.5	29.3

