

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
 Data File : BF090991.D
 Acq On : 2 Nov 2016 20:29
 Operator : UM/SJ
 Sample : H5509-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-93-0.5-1.5

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Quant Time: Nov 03 01:40:58 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 01 11:53:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	189377	20.00	ng	-0.03
21) Naphthalene-d8	8.01	136	773027	20.00	ng	-0.03
38) Acenaphthene-d10	9.77	164	345199	20.00	ng	-0.02
63) Phenanthrene-d10	11.24	188	538716	20.00	ng	-0.02
75) Chrysene-d12	13.88	240	388490	20.00	ng	-0.02
86) Perylene-d12	15.28	264	342212	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1839899	169.87	ng	0.00
7) Phenol-d6	6.37	99	2397489	164.07	ng	-0.02
23) Nitrobenzene-d5	7.30	82	1516279	128.41	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	551887	155.57	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	1950208	99.20	ng	-0.02
78) Terphenyl-d14	12.83	244	1592495	103.27	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.49	163	905488	39.26	ng	# 98
70) Phenanthrene	11.26	178	310838	11.33	ng	97
71) Anthracene	11.32	178	68724	2.38	ng	98
74) Fluoranthene	12.45	202	397708	13.24	ng	93
77) Pyrene	12.68	202	315348	12.83	ng	97
80) Benzo(a)anthracene	13.87	228	139758m	6.78	ng	
82) Chrysene	13.91	228	129230m	6.20	ng	
85) Indeno(1,2,3-cd)pyrene	16.60	276	53825m	2.91	ng	
87) Benzo(b)fluoranthene	14.89	252	149616m	6.50	ng	
88) Benzo(k)fluoranthene	14.91	252	44895m	2.47	ng	
89) Benzo(a)pyrene	15.22	252	93441m	4.73	ng	
91) Benzo(g,h,i)perylene	16.99	276	52864	3.35	ng	# 86

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

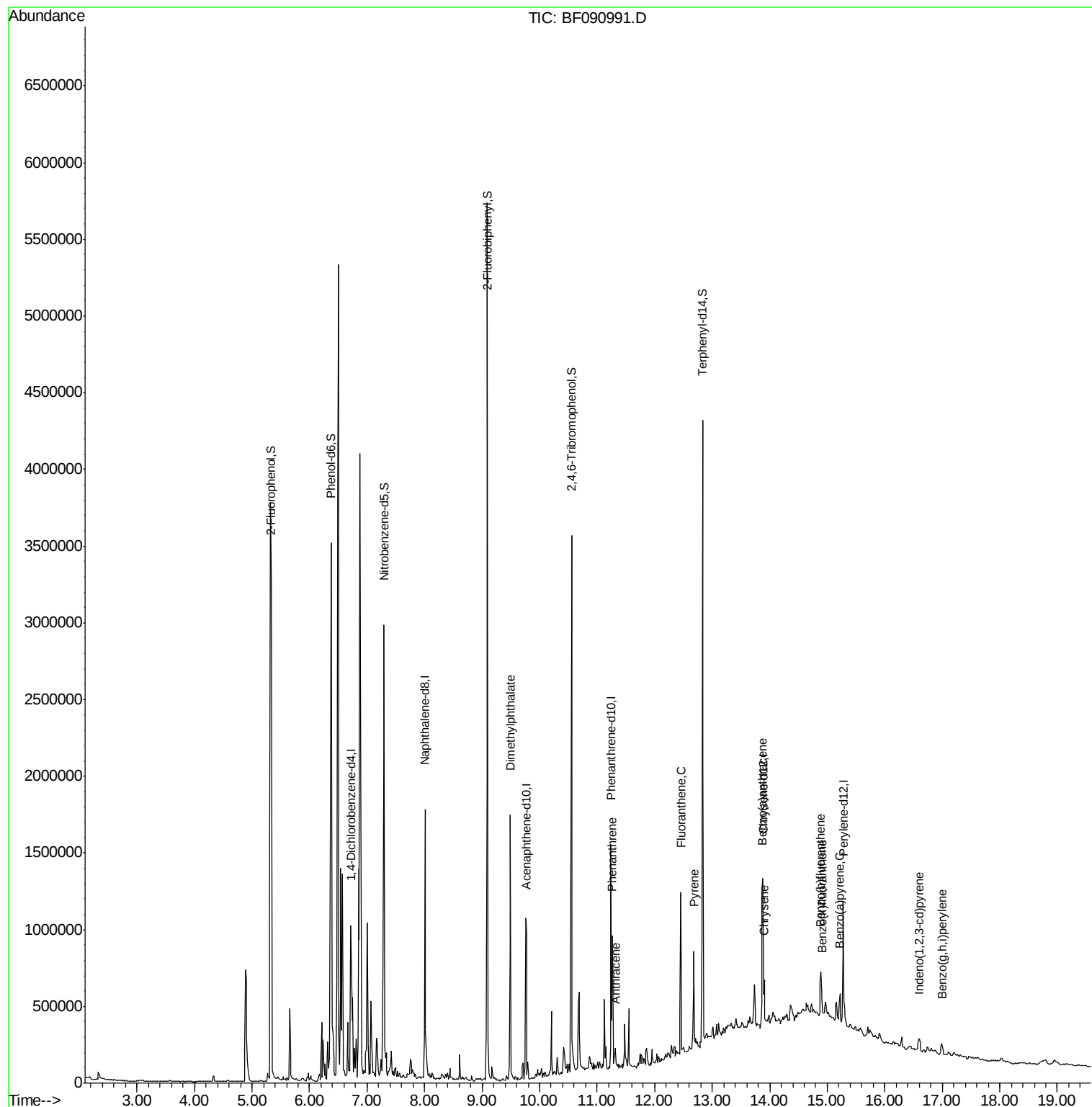
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110216\
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ALS Vial : 18 Sample Multiplier: 1

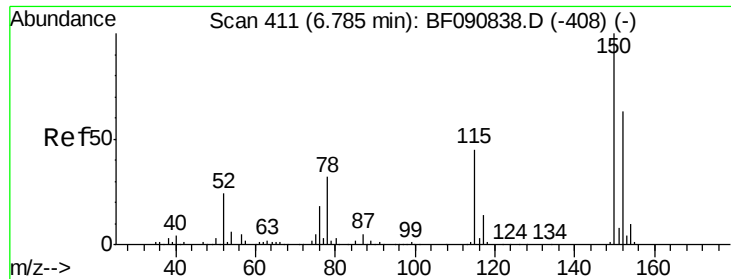
Instrument :
BNA_F
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SB-93-0.5-1.5

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Quant Time: Nov 03 01:40:58 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
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#1

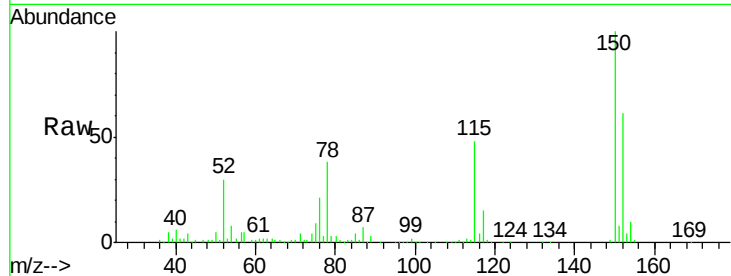
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 405
Delta R.T. -0.03 min
Lab File: BF090991.D
Acq: 2 Nov 2016 20:29

Instrument :
BNA_F
ClientSampleId :
SB-93-0.5-1.5

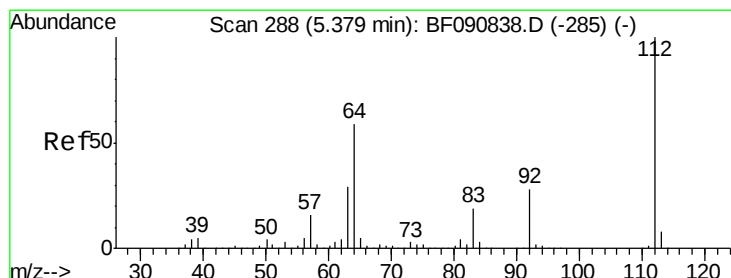
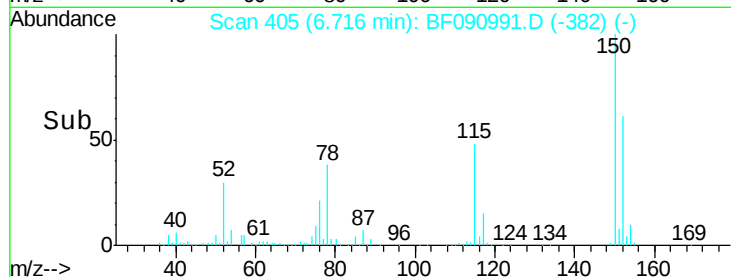
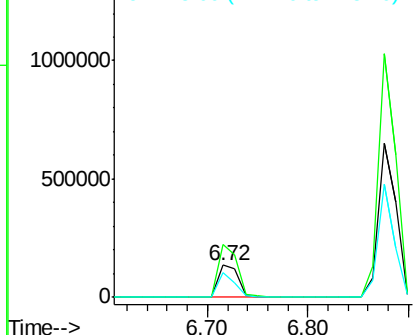
Tgt	Ion	Ratio	Lower	Upper
152	100			
150	163.1	124.7	187.1	
115	78.2	39.0	58.4	

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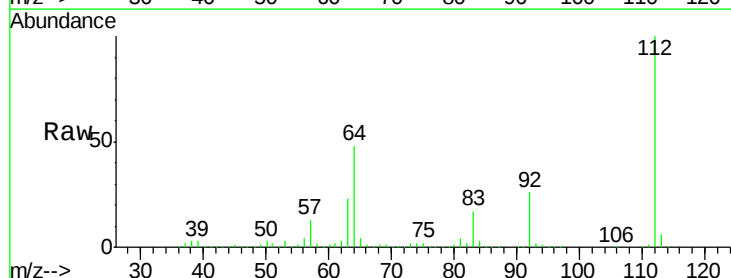
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



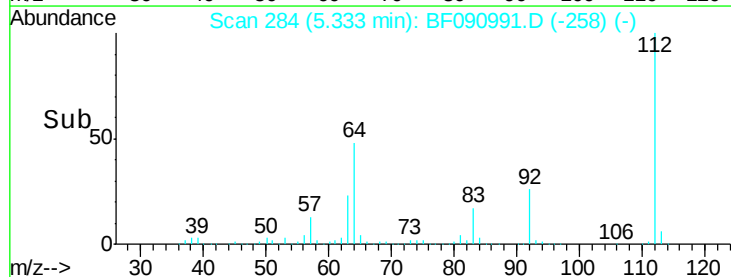
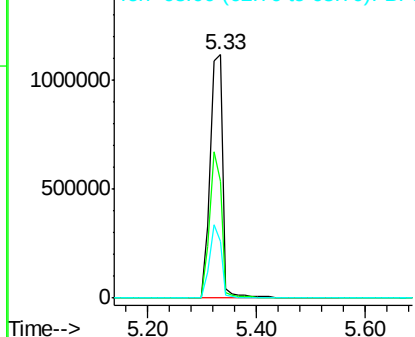
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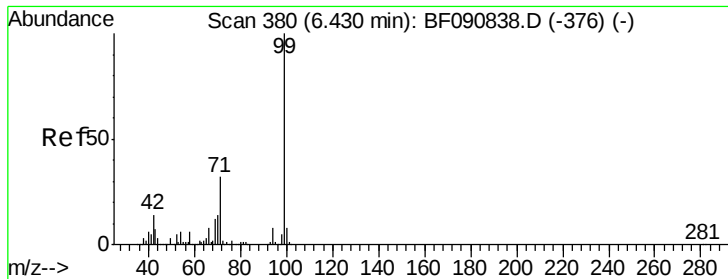
2-Fluorophenol
Concen: 169.87 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.00 min
Lab File: BF090991.D
Acq: 2 Nov 2016 20:29

Tgt	Ion	Ratio	Lower	Upper
112	100			
64	48.0	39.7	59.5	
63	23.4	17.4	26.0	



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: 164.07 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.02 min

Lab File: BF090991.D

Acq: 2 Nov 2016 20:29

Instrument :

BNA_F

ClientSampleId :

SB-93-0.5-1.5

Tgt Ion: 99 Resp: 2397489

Ion Ratio Lower Upper

99 100

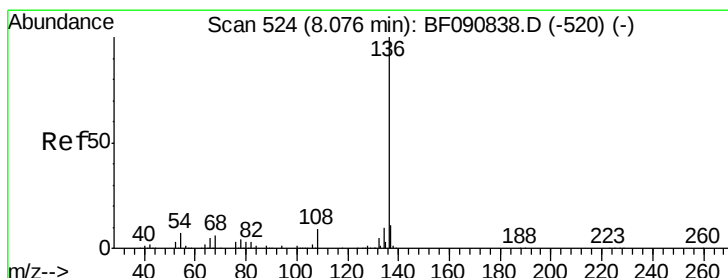
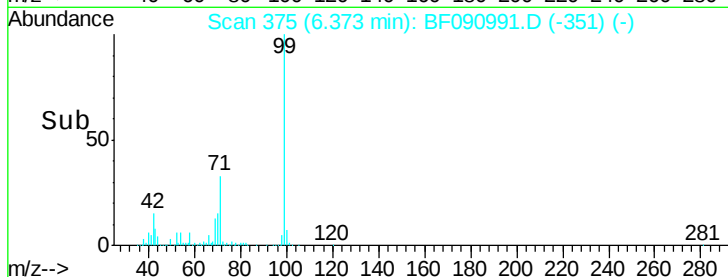
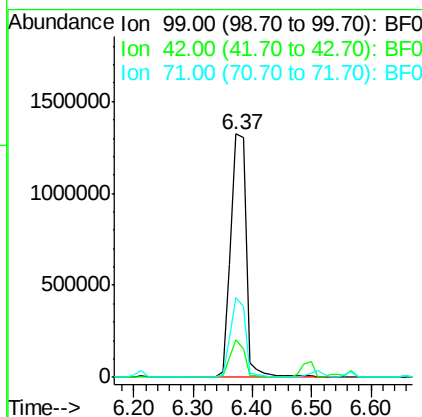
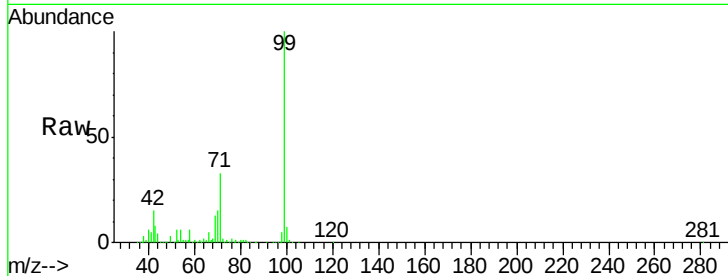
42 15.5 13.7 20.5

71 32.9 14.2 21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.03 min

Lab File: BF090991.D

Acq: 2 Nov 2016 20:29

Tgt Ion: 136 Resp: 773027

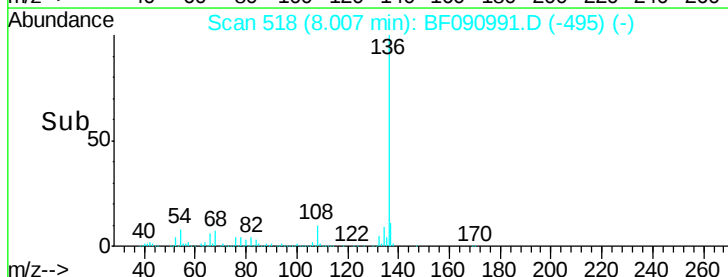
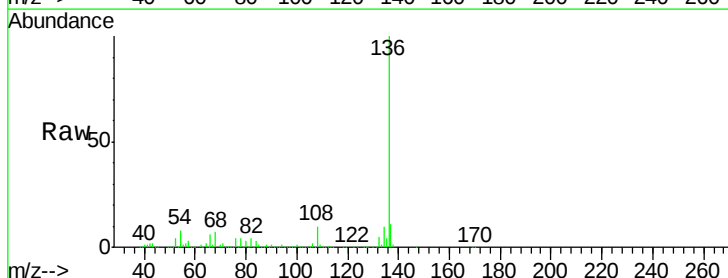
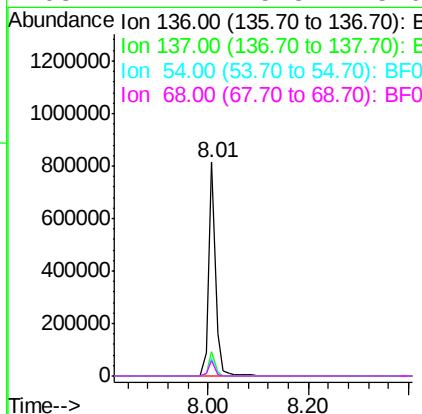
Ion Ratio Lower Upper

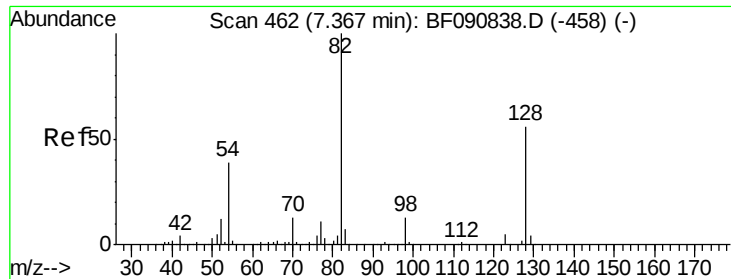
136 100

137 11.2 9.0 13.6

54 8.2 8.2 12.2

68 7.4 5.8 8.6





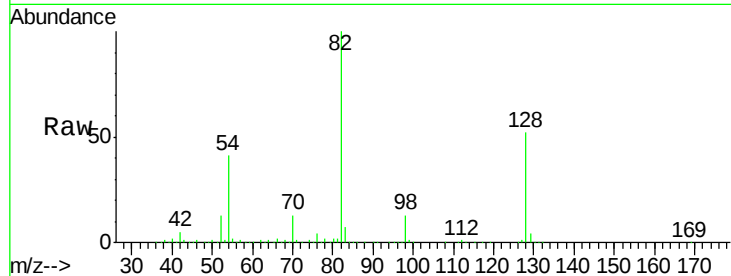
#23
 Nitrobenzene-d5
 Concen: 128.41 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.02 min
 Lab File: BF090991.D
 Acq: 2 Nov 2016 20:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-93-0.5-1.5

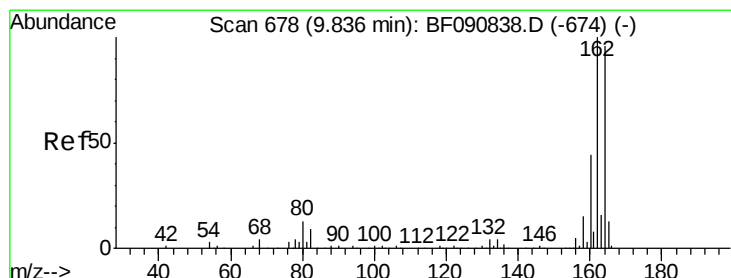
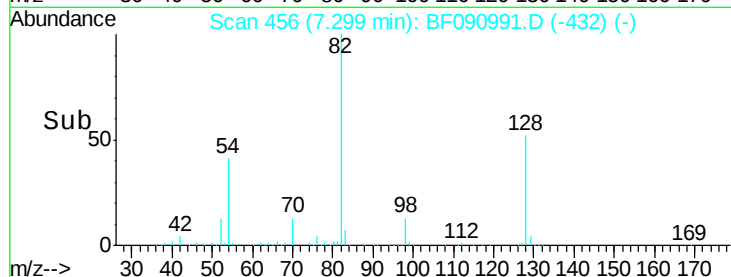
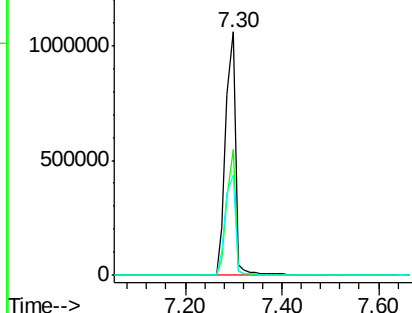
Tgt Ion: 82 Resp: 1516279
 Ion Ratio Lower Upper
 82 100
 128 51.7 51.0 76.6
 54 41.0 47.5 71.3#

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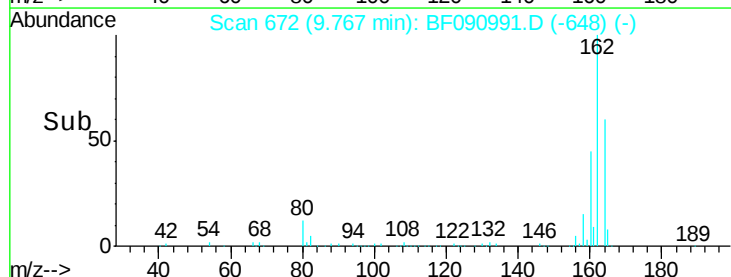
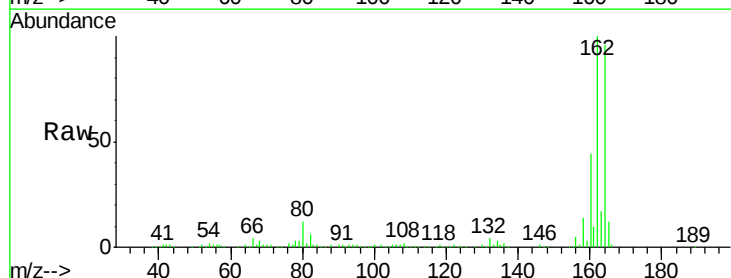
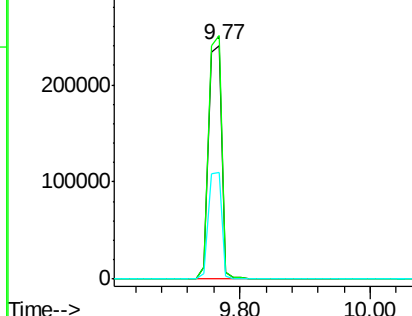
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

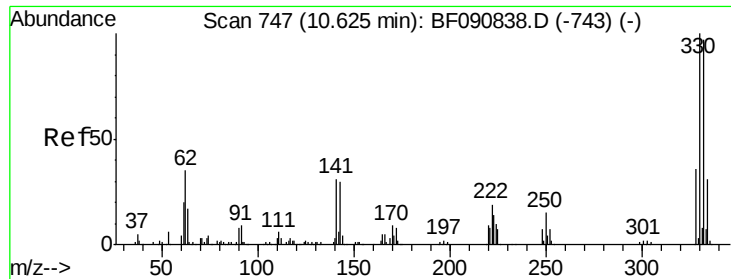


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.02 min
 Lab File: BF090991.D
 Acq: 2 Nov 2016 20:29

Tgt Ion: 164 Resp: 345199
 Ion Ratio Lower Upper
 164 100
 162 104.2 75.2 112.8
 160 45.6 31.5 47.3

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





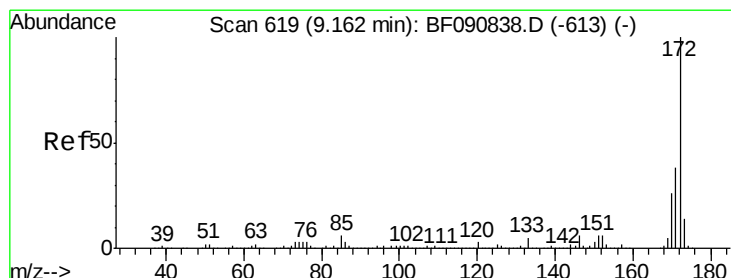
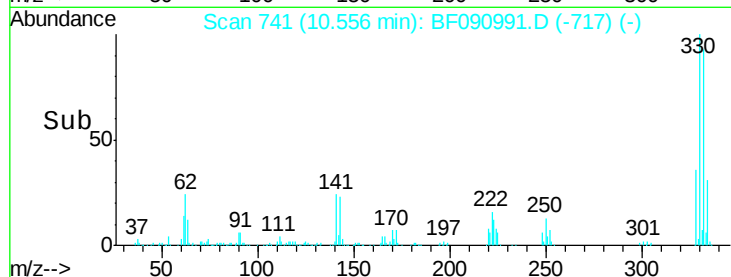
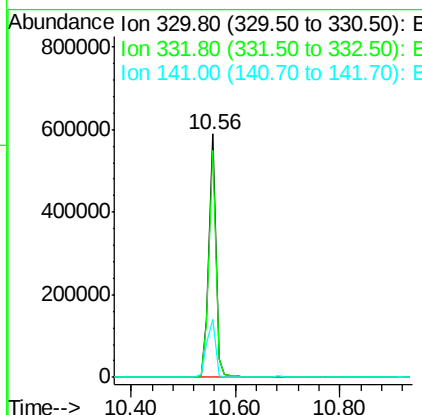
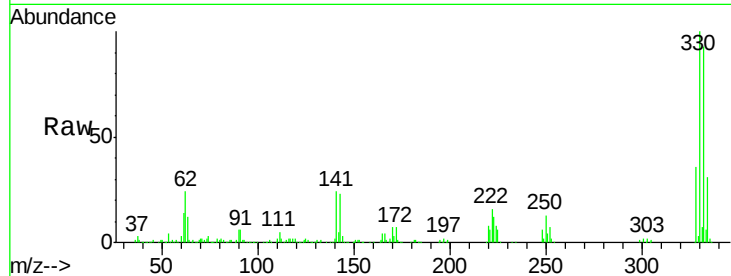
#41
 2,4,6-Tribromophenol
 Concen: 155.57 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.02 min
 Lab File: BF090991.D
 Acq: 2 Nov 2016 20:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-93-0.5-1.5

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	551887		
332	94.0	76.6	114.8	
141	29.8	29.7	44.5	

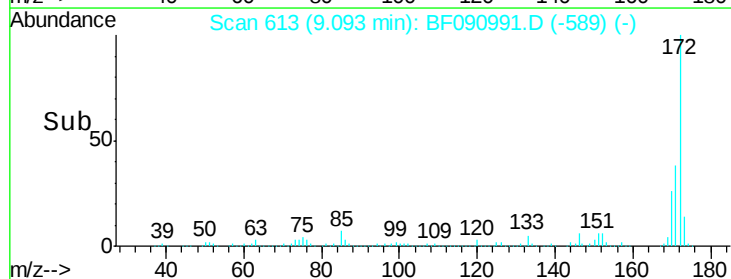
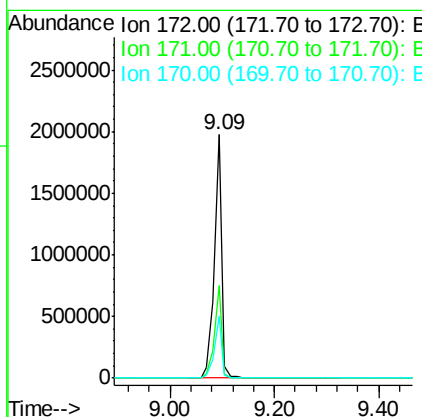
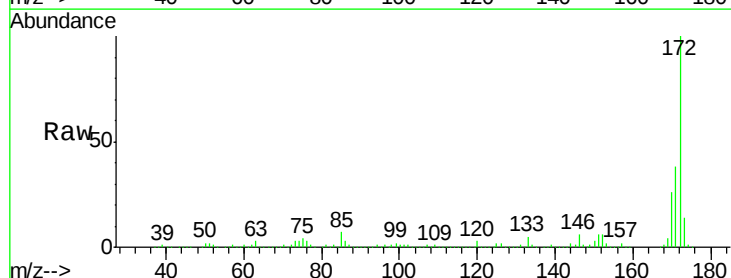
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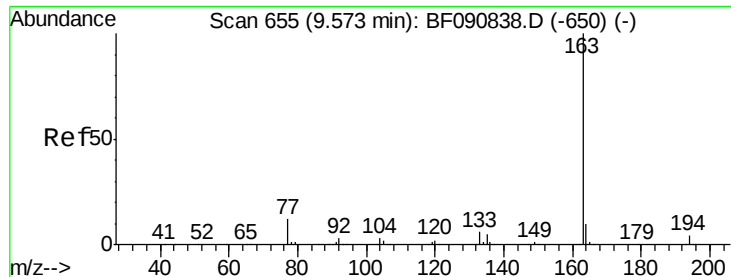
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#44
 2-Fluorobiphenyl
 Concen: 99.20 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.02 min
 Lab File: BF090991.D
 Acq: 2 Nov 2016 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1950208		
171	37.9	26.1	39.1	
170	25.6	17.4	26.2	





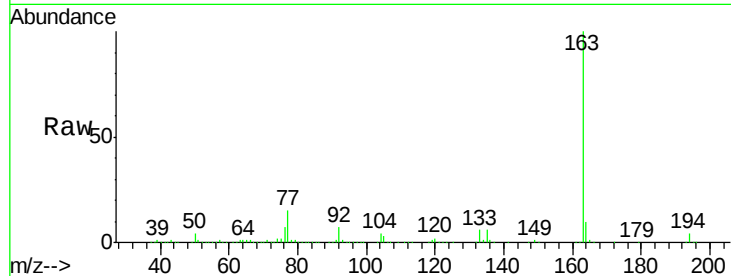
#49
Dimethylphthalate
Concen: 39.26 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF090991.D
Acq: 2 Nov 2016 20:29

Instrument :
BNA_F
ClientSampleId :
SB-93-0.5-1.5

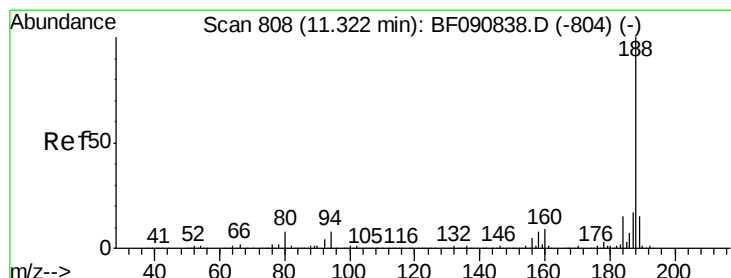
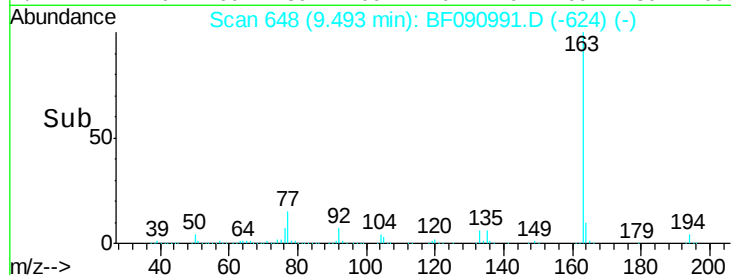
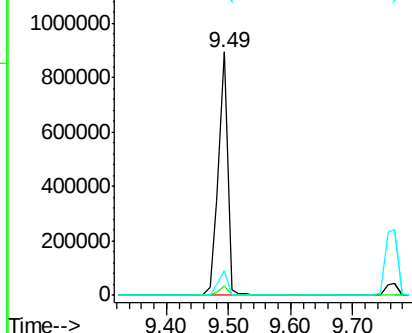
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.9	4.4	6.6#
164	10.3	8.3	12.5

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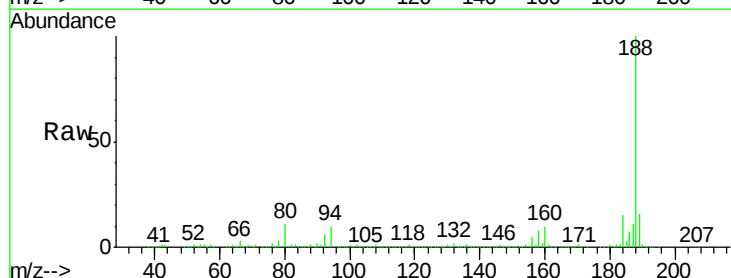


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

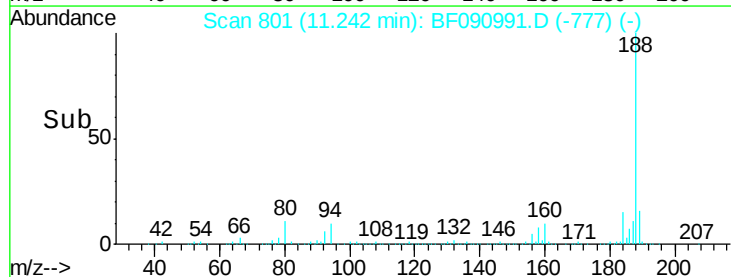
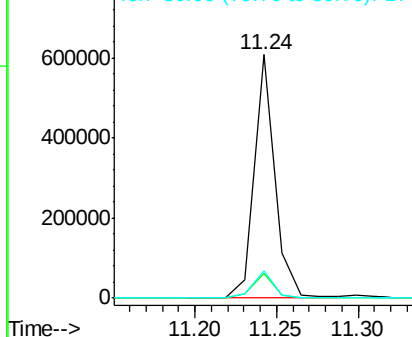


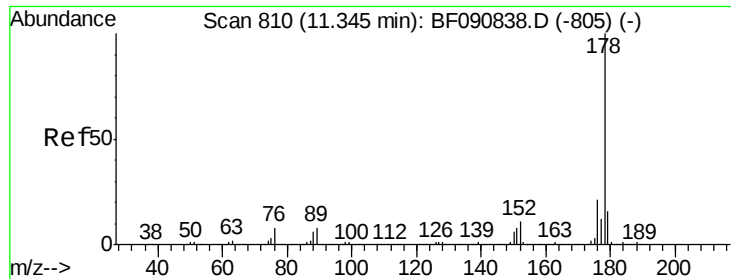
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.02 min
Lab File: BF090991.D
Acq: 2 Nov 2016 20:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.2	11.1	16.7#
80	11.0	11.0	16.4



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 11.33 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.03 min

Lab File: BF090991.D

Acq: 2 Nov 2016 20:29

Instrument :

BNA_F

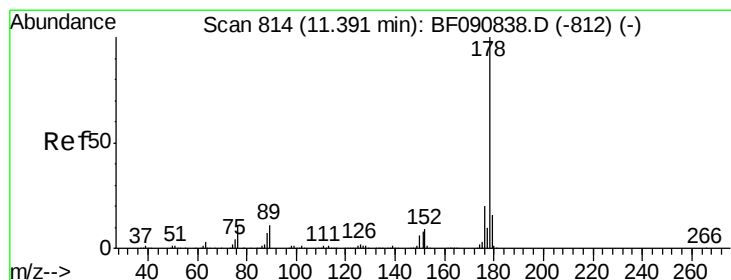
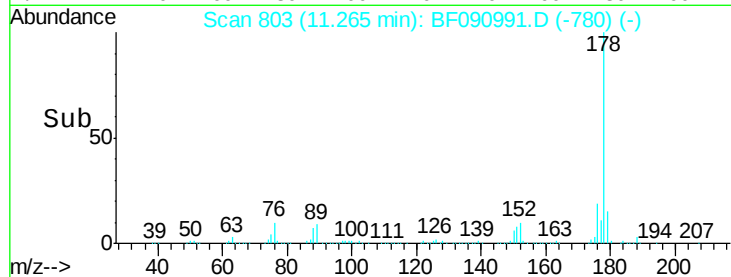
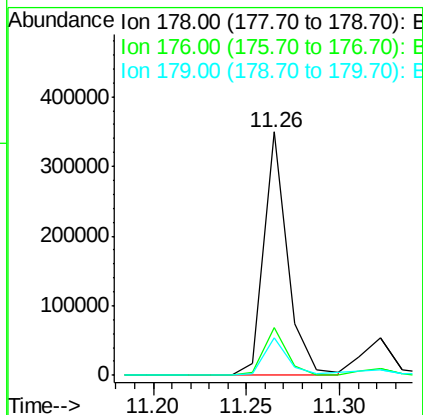
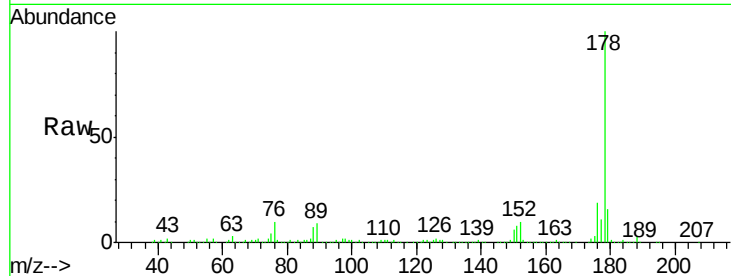
ClientSampleId :

SB-93-0.5-1.5

Tgt Ion:	178	Resp:	310838
Ion Ratio	Lower	Upper	
178	100		
176	19.4	13.8	20.8
179	15.5	12.2	18.2

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#71

Anthracene

Concen: 2.38 ng

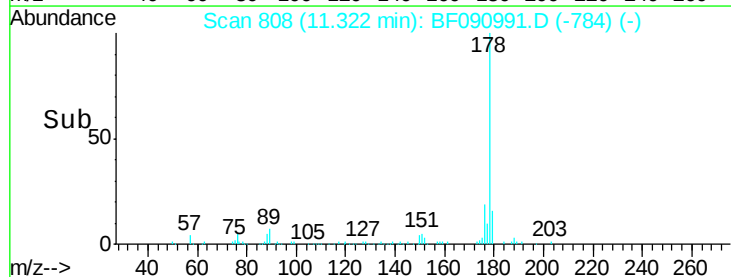
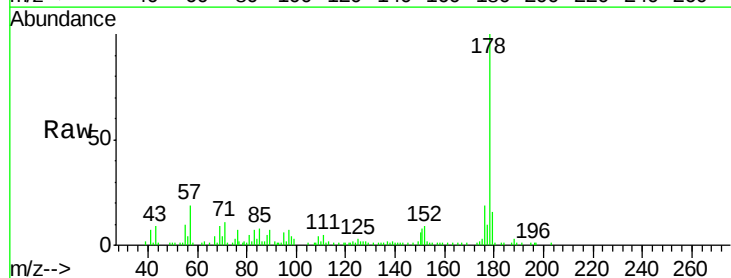
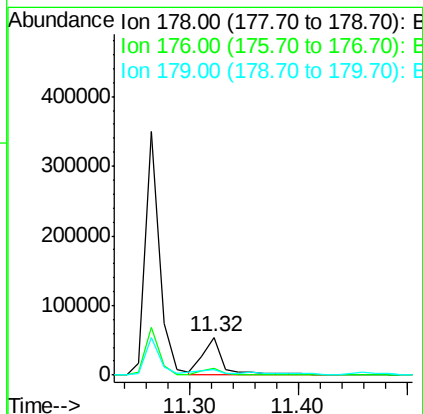
RT: 11.32 min Scan# 808

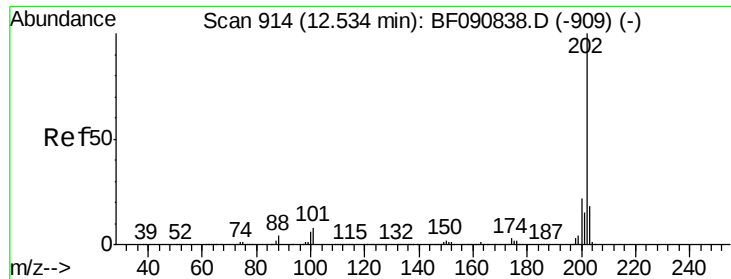
Delta R.T. -0.02 min

Lab File: BF090991.D

Acq: 2 Nov 2016 20:29

Tgt Ion:	178	Resp:	68724
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.1	21.1
179	16.2	12.2	18.2





#74

Fluoranthene

Concen: 13.24 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.02 min

Lab File: BF090991.D

Acq: 2 Nov 2016 20:29

Instrument :

BNA_F

ClientSampleId :

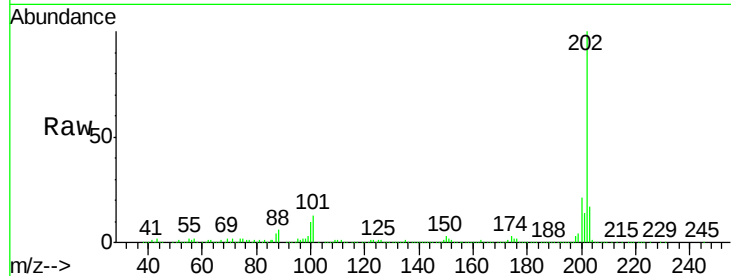
SB-93-0.5-1.5

Tgt	Ion	202	Resp:	397708
Ion	Ratio	Lower	Upper	
202	100			
101	12.6	0.0	38.3	
203	17.3	0.0	37.3	

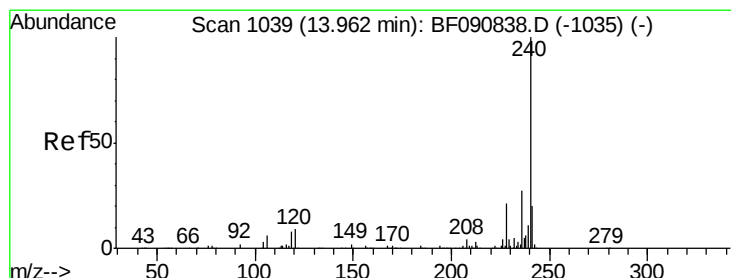
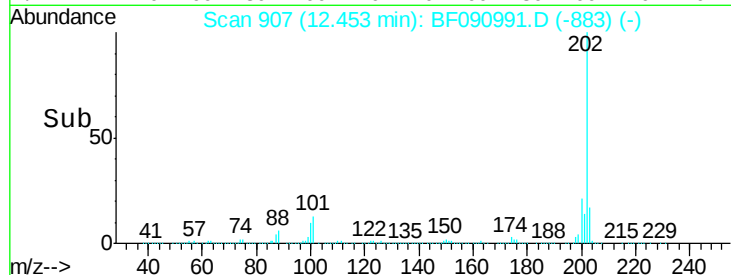
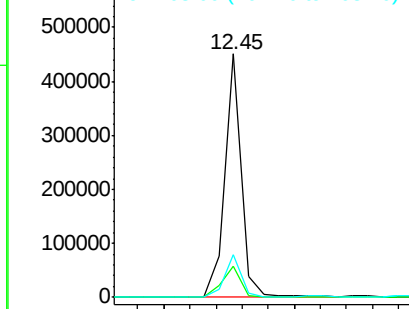
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

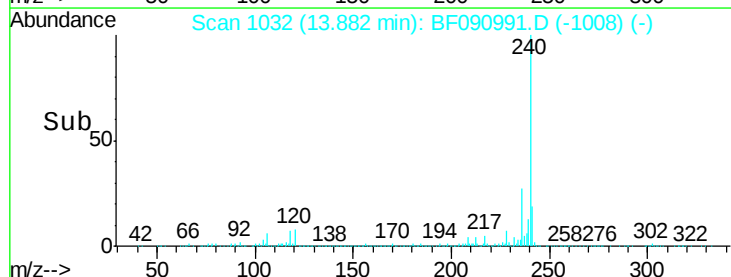
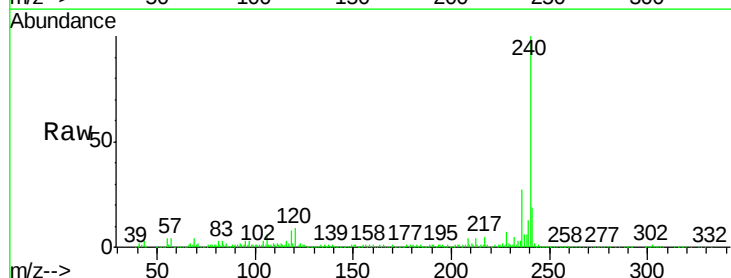
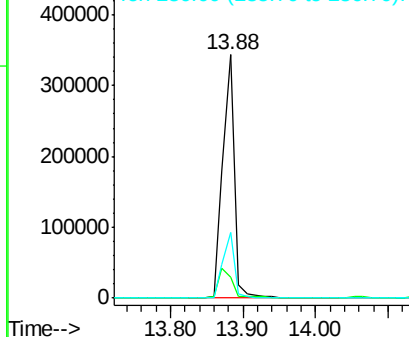
Delta R.T. -0.02 min

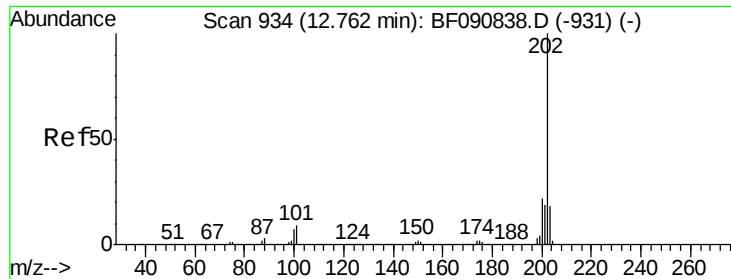
Lab File: BF090991.D

Acq: 2 Nov 2016 20:29

Tgt	Ion	240	Resp:	388490
Ion	Ratio	Lower	Upper	
240	100			
120	8.8	16.2	24.2#	
236	26.9	18.4	27.6	

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: 12.83 ng

RT: 12.68 min Scan# 927

Delta R.T. -0.02 min

Lab File: BF090991.D

Acq: 2 Nov 2016 20:29

Instrument :

BNA_F

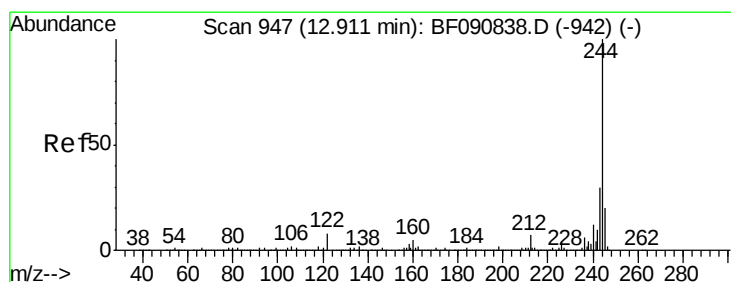
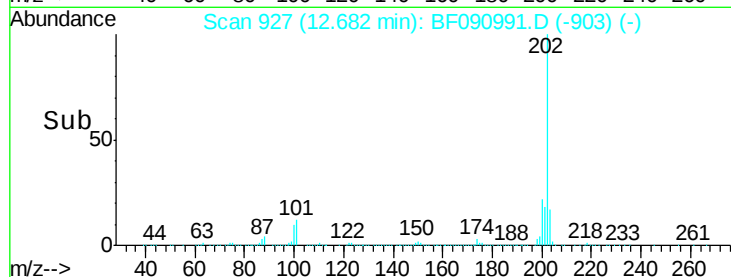
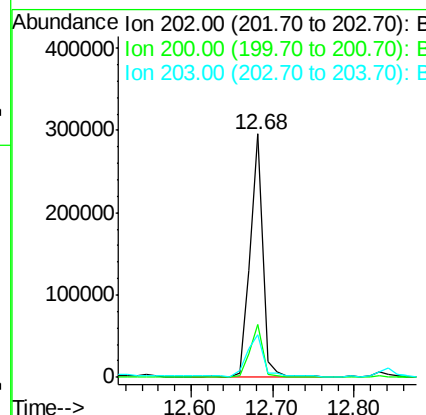
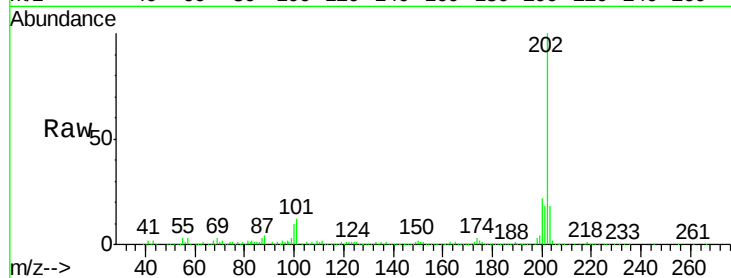
ClientSampleId :

SB-93-0.5-1.5

Tgt Ion:	202	Resp:	315348
Ion Ratio	Lower	Upper	
202	100		
200	21.5	15.0	22.4
203	17.7	14.1	21.1

Manual Integrations
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#78

Terphenyl-d14

Concen: 103.27 ng

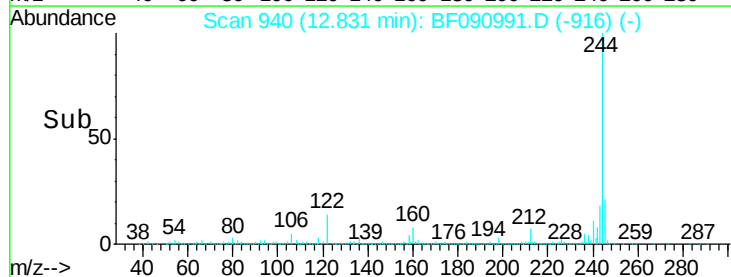
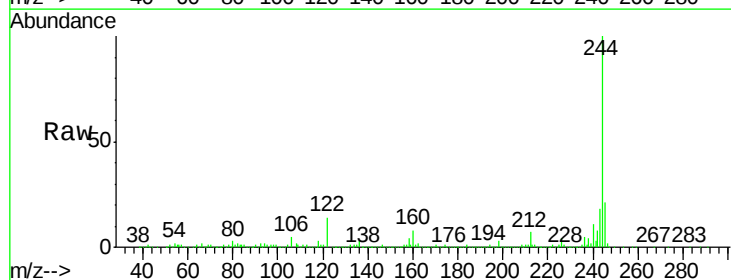
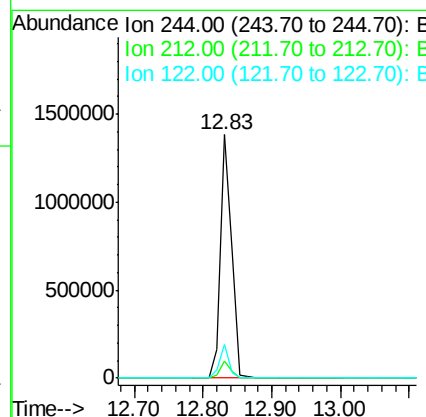
RT: 12.83 min Scan# 940

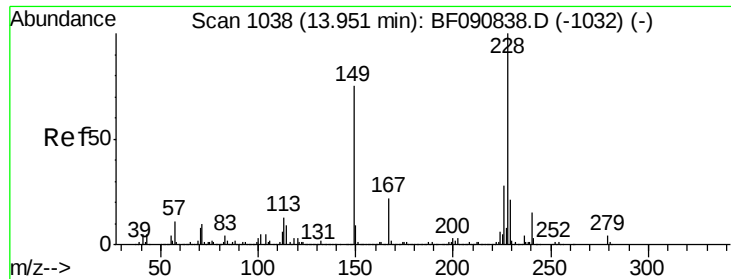
Delta R.T. -0.02 min

Lab File: BF090991.D

Acq: 2 Nov 2016 20:29

Tgt Ion:	244	Resp:	1592495
Ion Ratio	Lower	Upper	
244	100		
212	7.2	4.3	6.5#
122	13.8	17.4	26.2#





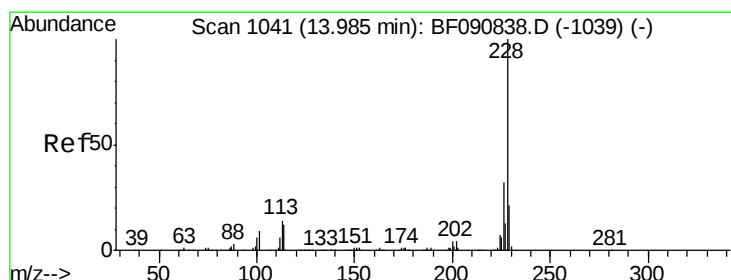
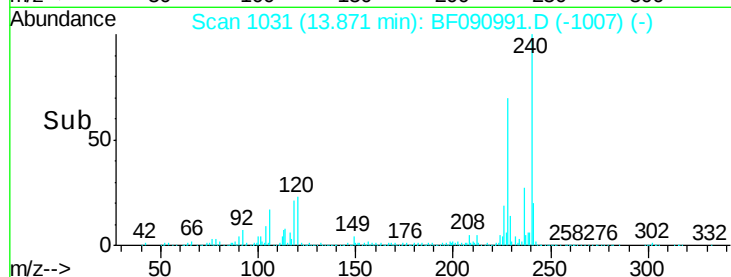
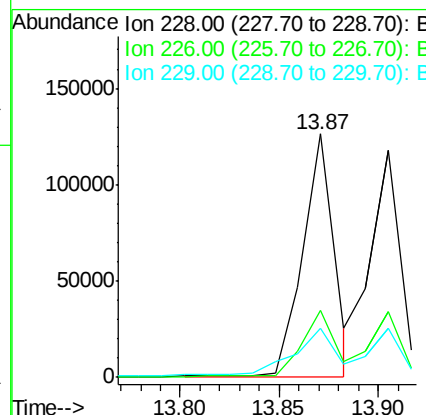
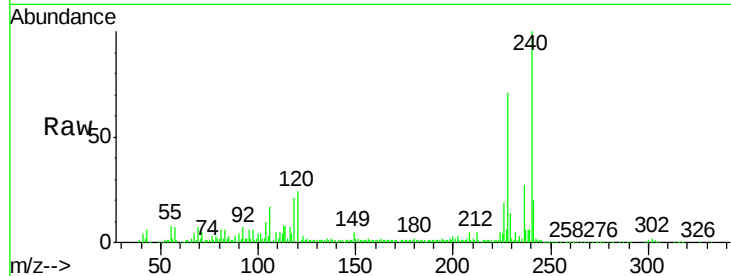
#80
Benzo(a)anthracene
Concen: 6.78 ng m
RT: 13.87 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF090991.D
Acq: 2 Nov 2016 20:29

Instrument :
BNA_F
ClientSampleId :
SB-93-0.5-1.5

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	20.0	30.0
229	20.4	15.4	23.2

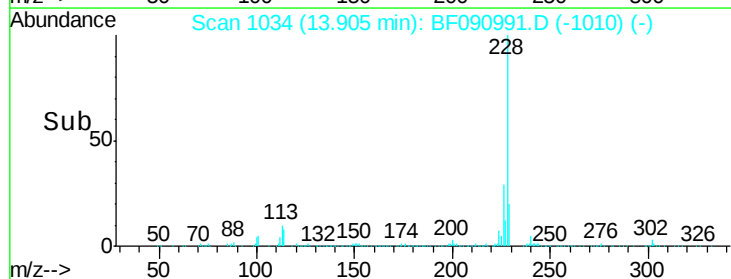
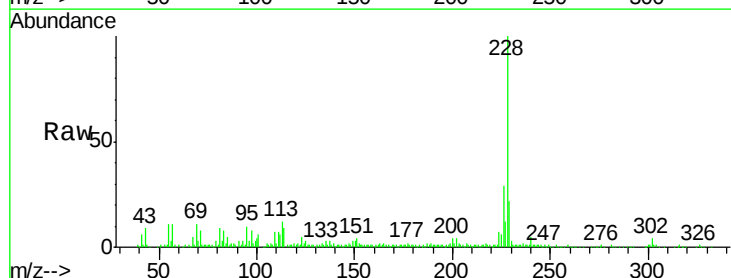
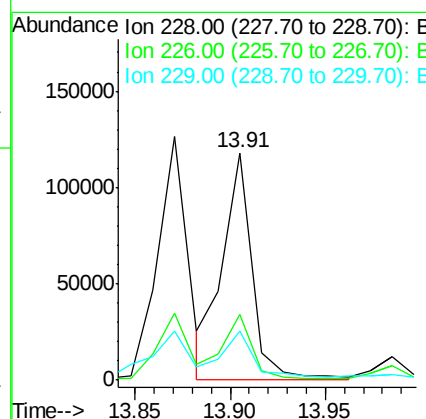
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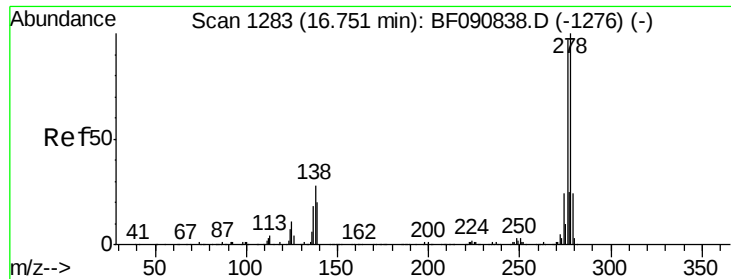
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#82
Chrysene
Concen: 6.20 ng m
RT: 13.91 min Scan# 1034
Delta R.T. -0.02 min
Lab File: BF090991.D
Acq: 2 Nov 2016 20:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	21.0	31.4
229	21.5	15.6	23.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.91 ng m

RT: 16.60 min Scan# 1270

Delta R.T. -0.03 min

Lab File: BF090991.D

Acq: 2 Nov 2016 20:29

Instrument :

BNA_F

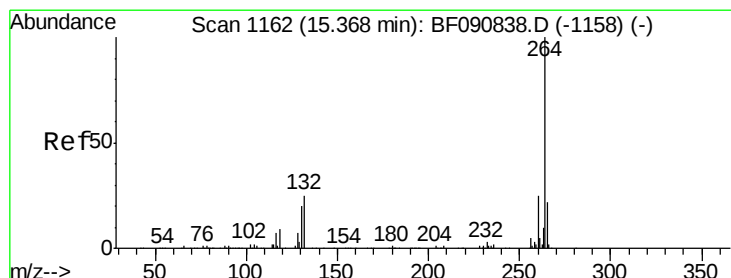
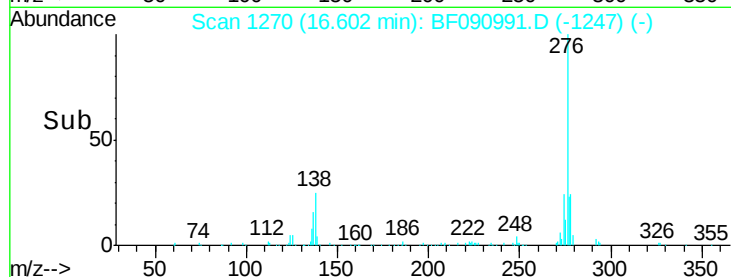
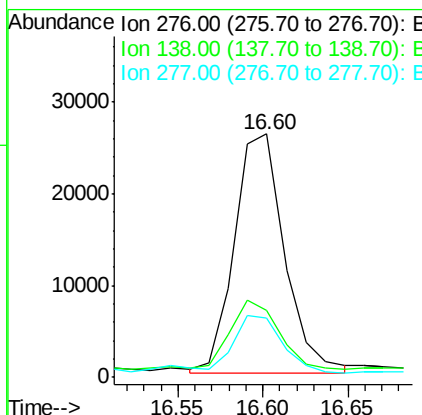
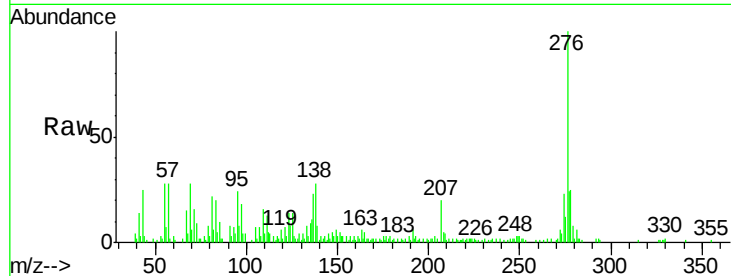
ClientSampleId :

SB-93-0.5-1.5

Tgt Ion:	276	Resp:	53825
Ion Ratio	Lower	Upper	
276	100		
138	6.5	25.7	38.5#
277	5.1	15.6	23.4#

Manual Integrations
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#86

Perylene-d12

Concen: 20.00 ng

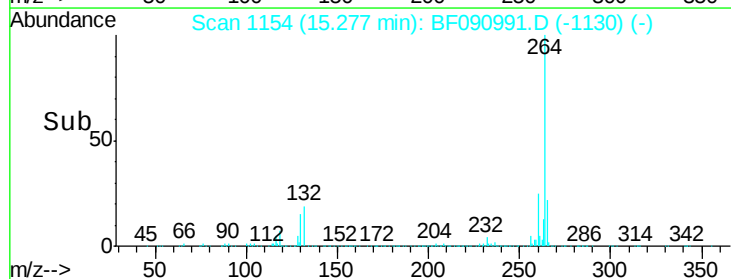
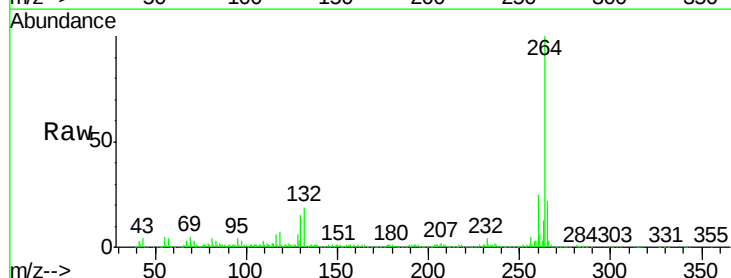
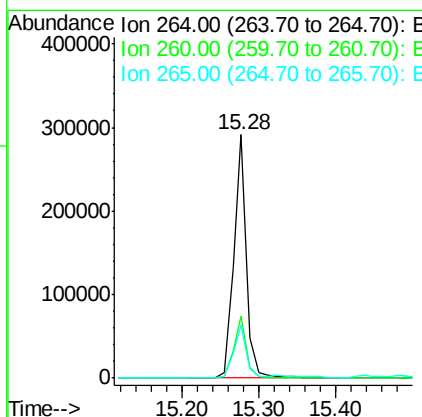
RT: 15.28 min Scan# 1154

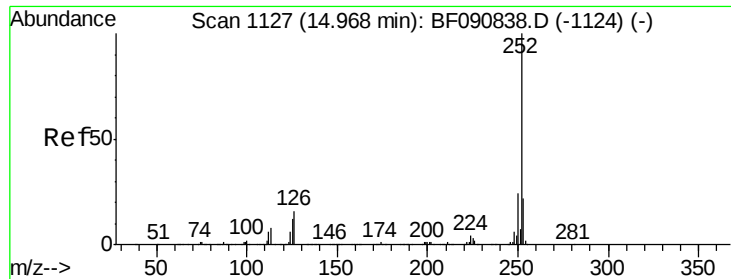
Delta R.T. -0.02 min

Lab File: BF090991.D

Acq: 2 Nov 2016 20:29

Tgt Ion:	264	Resp:	342212
Ion Ratio	Lower	Upper	
264	100		
260	25.2	16.7	25.1#
265	21.8	17.2	25.8





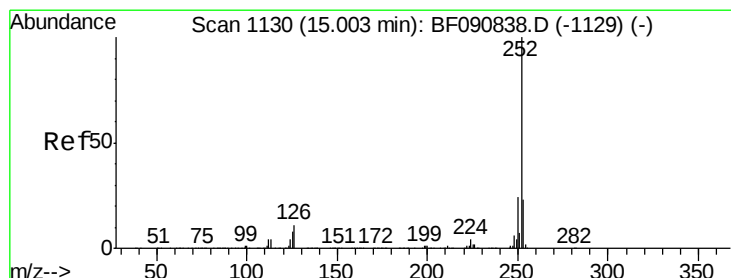
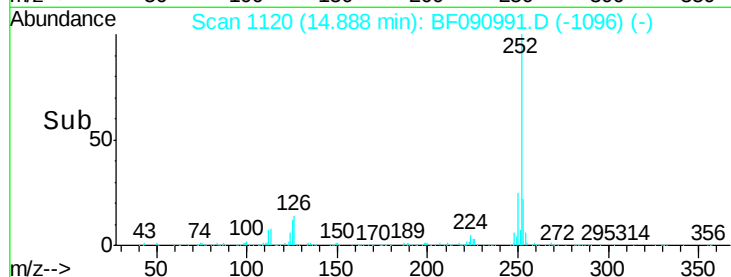
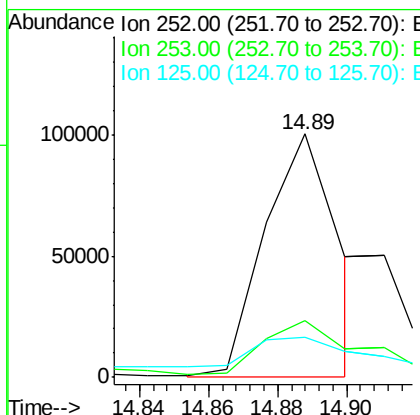
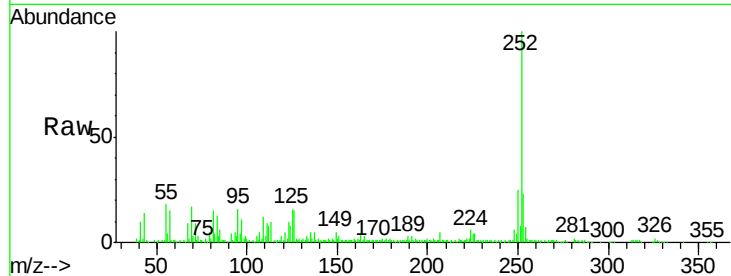
#87
Benzo(b)fluoranthene
Concen: 6.50 ng m
RT: 14.89 min Scan# 1120
Delta R.T. -0.02 min
Lab File: BF090991.D
Acq: 2 Nov 2016 20:29

Instrument :
BNA_F
ClientSampled :
SB-93-0.5-1.5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	16.5	17.1	25.7

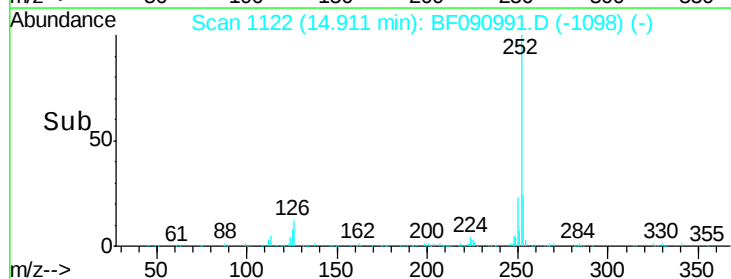
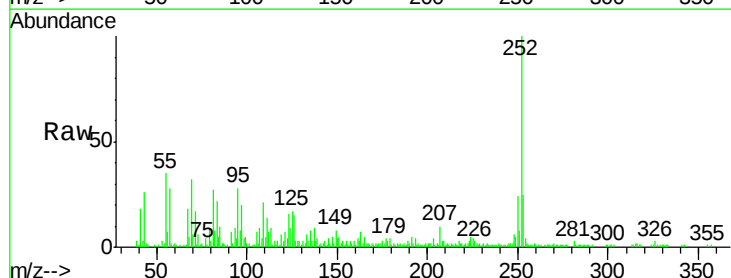
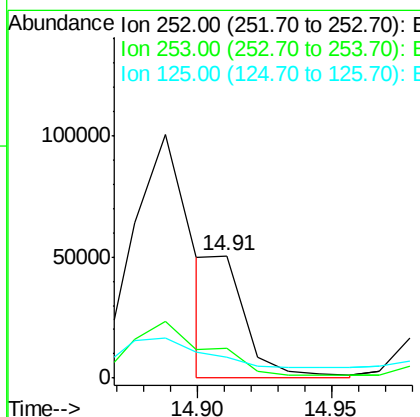
Manual Integrations
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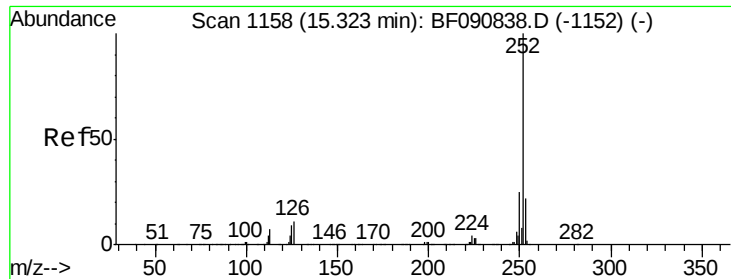
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#88
Benzo(k)fluoranthene
Concen: 2.47 ng m
RT: 14.91 min Scan# 1122
Delta R.T. -0.02 min
Lab File: BF090991.D
Acq: 2 Nov 2016 20:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.4
125	16.9	16.0	24.0





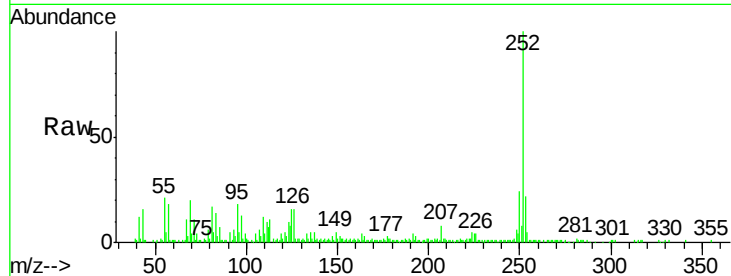
#89
Benzo(a)pyrene
Concen: 4.73 ng m
RT: 15.22 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF090991.D
Acq: 2 Nov 2016 20:29

Instrument :
BNA_F
ClientSampleId :
SB-93-0.5-1.5

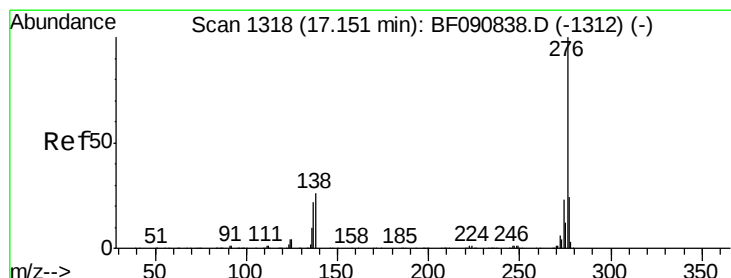
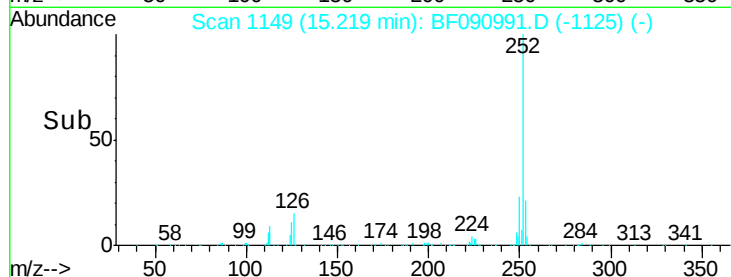
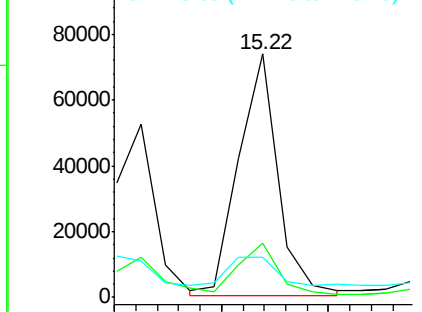
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	16.3	18.0	27.0#

Manual Integrations
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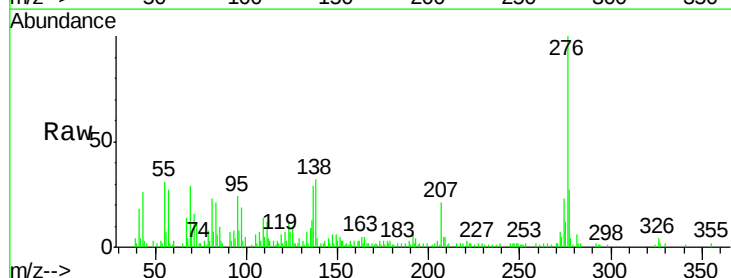


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.35 ng
RT: 16.99 min Scan# 1304
Delta R.T. -0.05 min
Lab File: BF090991.D
Acq: 2 Nov 2016 20:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.6	17.8	26.6
138	32.2	34.6	51.8#



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

