

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
 Data File : BF090945.D
 Acq On : 31 Oct 2016 23:00
 Operator : UM/SJ
 Sample : H5463-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(0-2)

Manual Integrations
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Quant Time: Nov 01 15:39:01 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	6.75	152	145365	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	601336	20.00	ng	-0.01
38) Acenaphthene-d10	9.79	164	279836	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	448023	20.00	ng	0.00
75) Chrysene-d12	13.91	240	336793	20.00	ng	0.00
86) Perylene-d12	15.31	264	329511	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1007254	121.15	ng	0.01
7) Phenol-d6	6.40	99	1283929	114.47	ng	0.00
23) Nitrobenzene-d5	7.31	82	800113	87.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.58	330	347221	120.74	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	1516595	95.17	ng	0.00
78) Terphenyl-d14	12.85	244	1040207	77.81	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.41	94	56878	4.60	ng	76
31) Naphthalene	8.05	128	107559	3.83	ng	100
48) Acenaphthylene	9.64	152	328982	14.17	ng	97
49) Dimethylphthalate	9.50	163	270518	14.47	ng	# 97
70) Phenanthrene	11.29	178	117352	5.14	ng	98
71) Anthracene	11.34	178	163714	6.81	ng	98
74) Fluoranthene	12.48	202	413148	16.54	ng	94
77) Pyrene	12.71	202	660003	30.97	ng	96
80) Benzo(a)anthracene	13.89	228	366991m	20.53	ng	
82) Chrysene	13.93	228	389014m	21.52	ng	
85) Indeno(1,2,3-cd)pyrene	16.65	276	309819	19.34	ng	# 90
87) Benzo(b)fluoranthene	14.92	252	814435m	36.76	ng	
88) Benzo(k)fluoranthene	14.93	252	156876m	8.96	ng	
89) Benzo(a)pyrene	15.25	252	584679	30.71	ng	# 86
90) Dibenzo(a,h)anthracene	16.65	278	88009	5.46	ng	# 86
91) Benzo(g,h,i)perylene	17.05	276	328775	21.66	ng	# 84

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

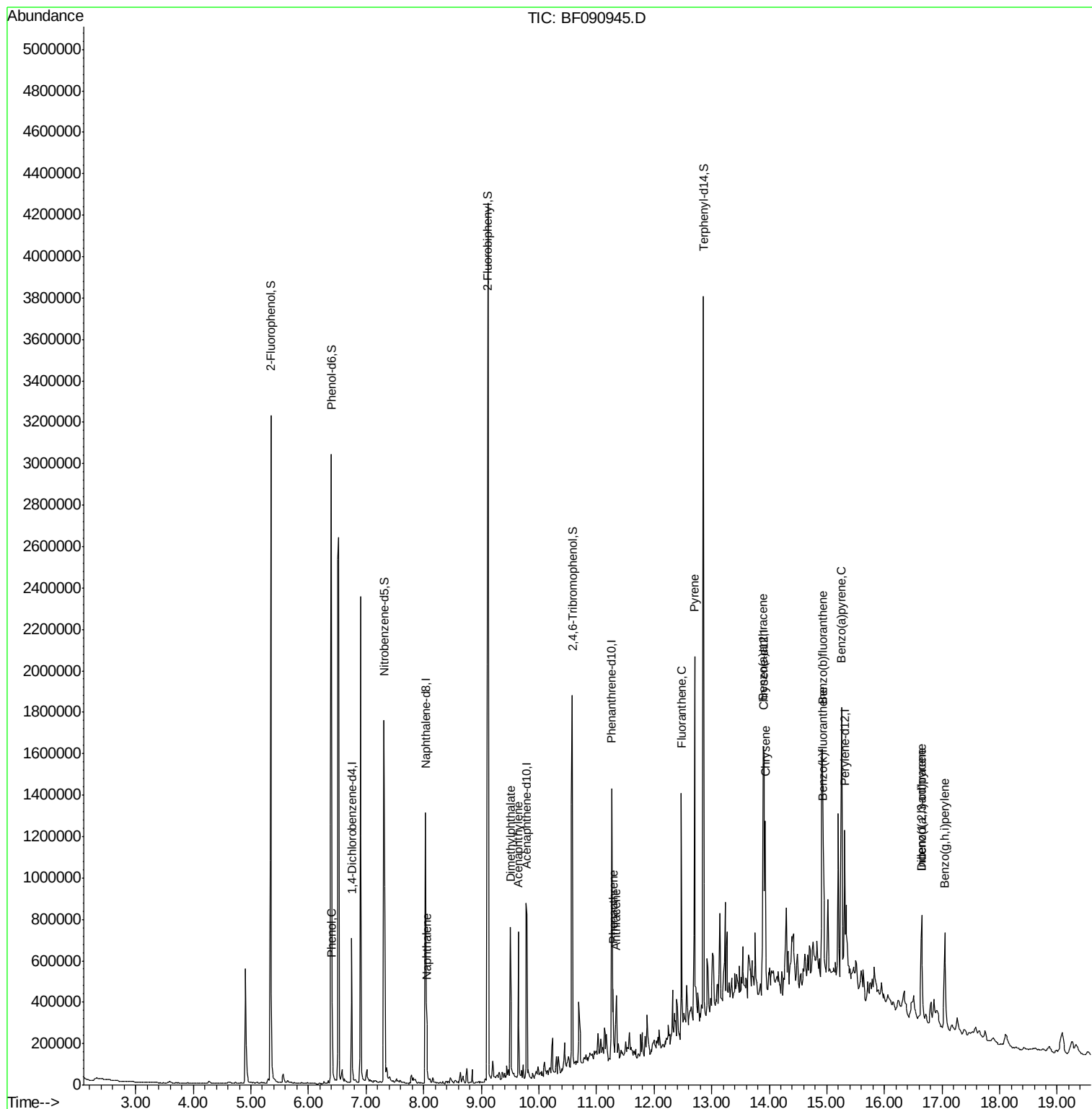
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF103116\
Data File : BF090945.D
Acq On : 31 Oct 2016 23:00
Operator : UM/SJ
Sample : H5463-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

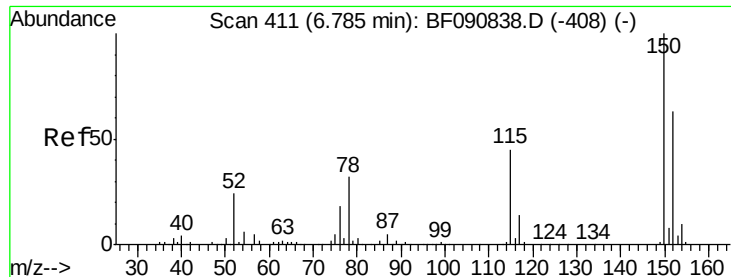
Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

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#1

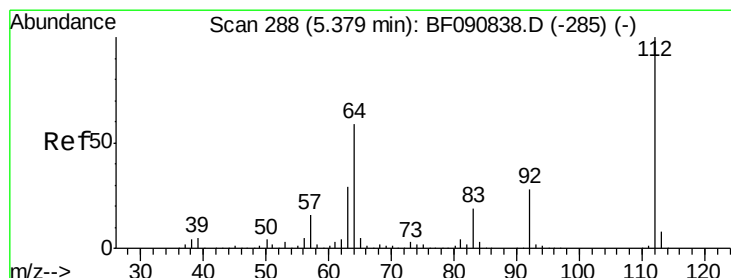
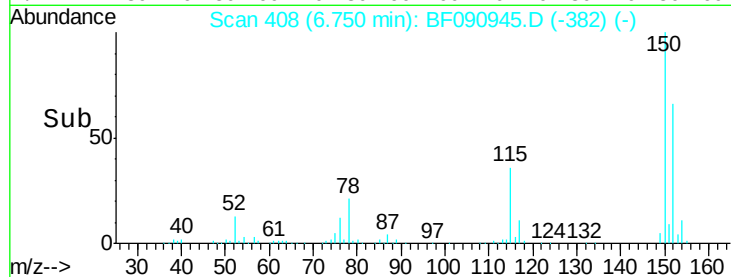
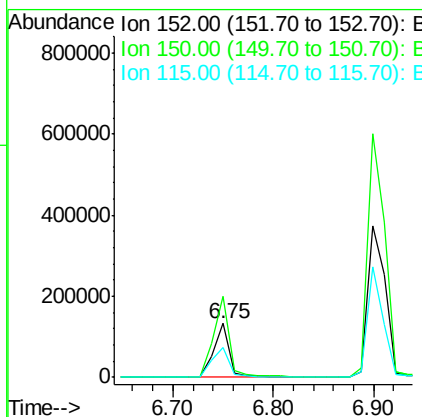
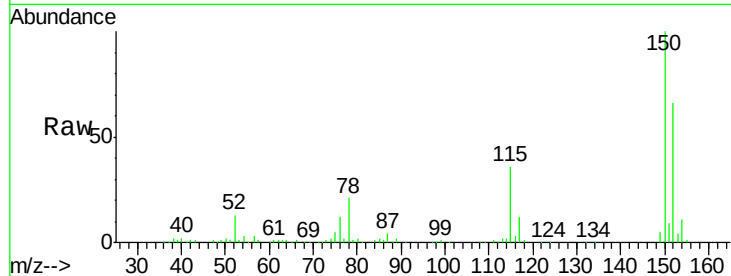
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. 0.00 min
Lab File: BF090945.D
Acq: 31 Oct 2016 23:00

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.0	124.7	187.1
115	54.5	39.0	58.4

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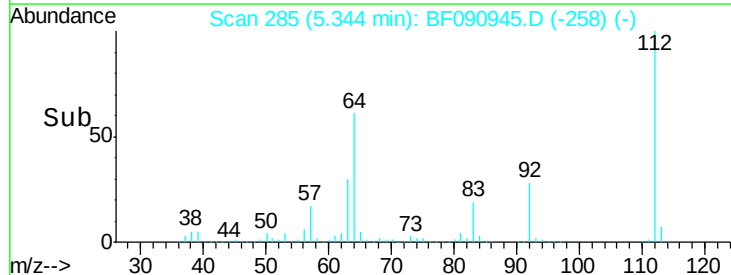
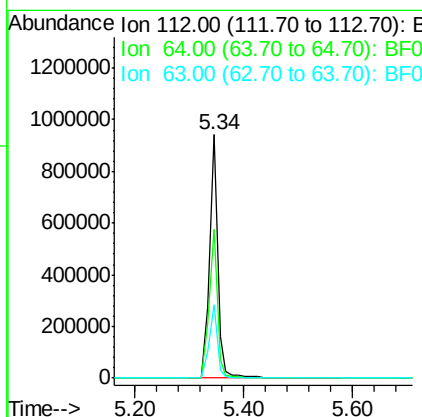
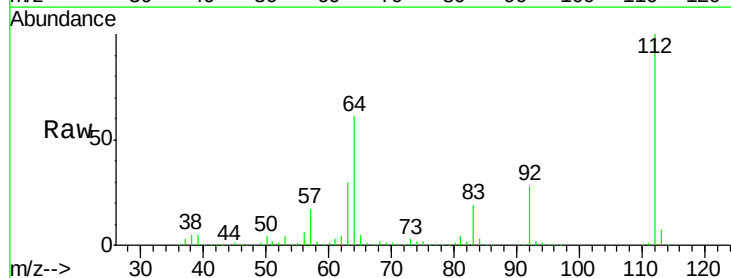
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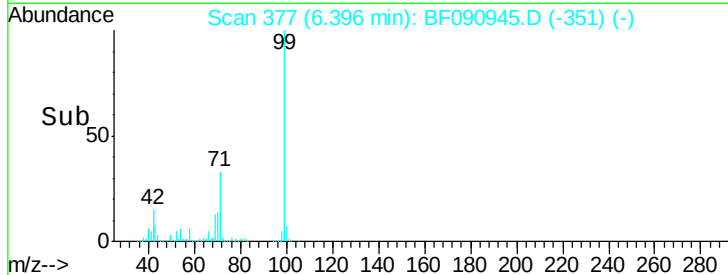
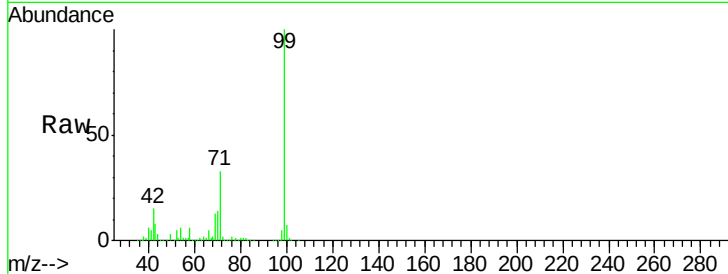
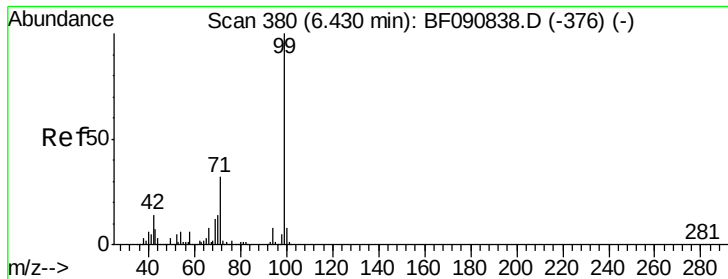


#5

2-Fluorophenol
Concen: 121.15 ng
RT: 5.34 min Scan# 285
Delta R.T. 0.01 min
Lab File: BF090945.D
Acq: 31 Oct 2016 23:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	39.7	59.5#
63	30.2	17.4	26.0#





#7

Phenol-d6

Concen: 114.47 ng

RT: 6.40 min Scan# 377

Delta R.T. 0.00 min

Lab File: BF090945.D

Acq: 31 Oct 2016 23:00

Tgt Ion:	99	Resp:	1283929
Ion	Ratio	Lower	Upper
99	100		
42	14.8	13.7	20.5
71	32.7	14.2	21.2#

Instrument :

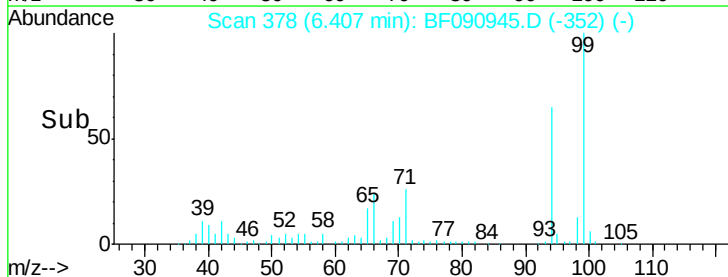
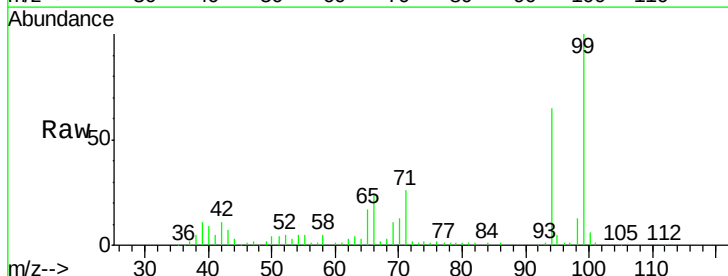
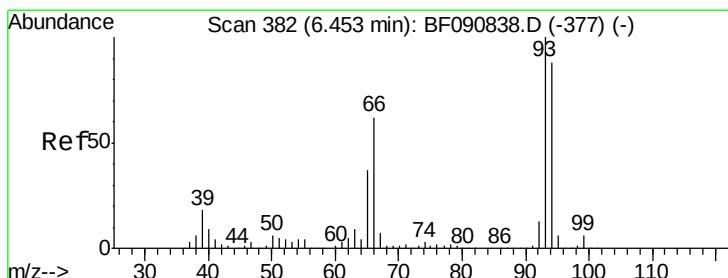
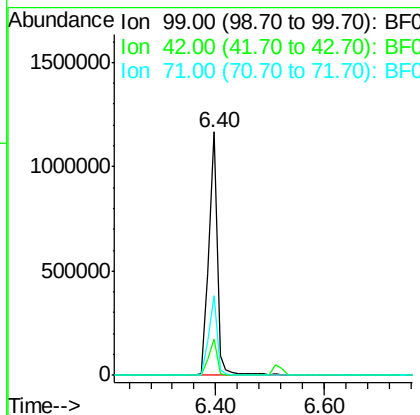
BNA_F

ClientSampleId :

SB-4(0-2)

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#10

Phenol

Concen: 4.60 ng

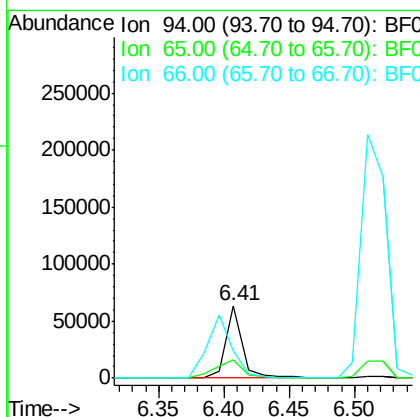
RT: 6.41 min Scan# 378

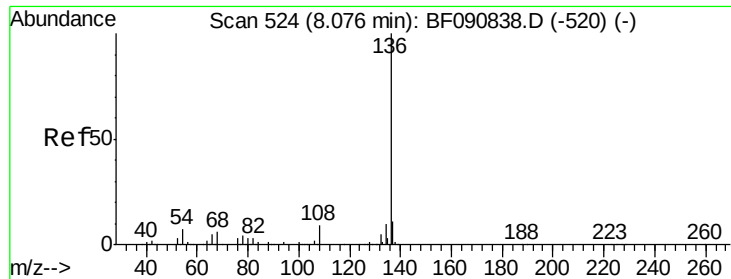
Delta R.T. 0.00 min

Lab File: BF090945.D

Acq: 31 Oct 2016 23:00

Tgt Ion:	94	Resp:	56878
Ion	Ratio	Lower	Upper
94	100		
65	26.0	0.7	40.7
66	37.4	0.8	40.8





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.01 min

Lab File: BF090945.D

Acq: 31 Oct 2016 23:00

Instrument :

BNA_F

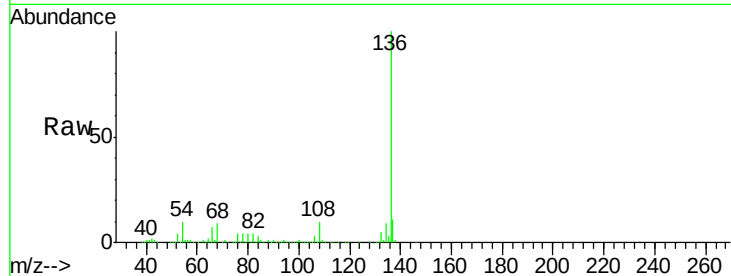
ClientSampleId :

SB-4(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	601336		
137	11.2	9.0	13.6	
54	9.7	8.2	12.2	
68	8.6	5.8	8.6	

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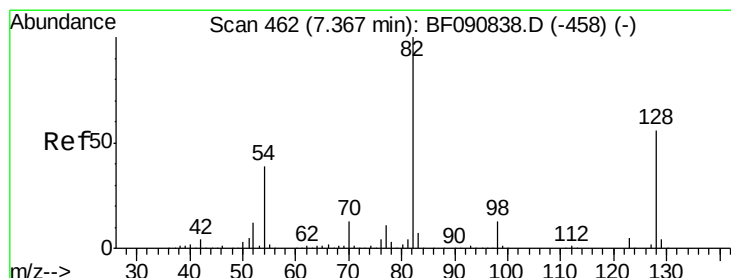
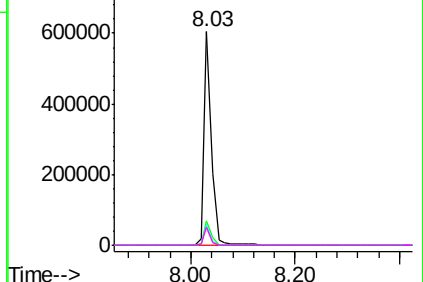
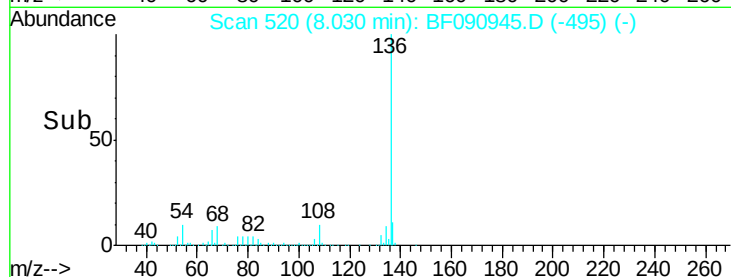


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.10 ng

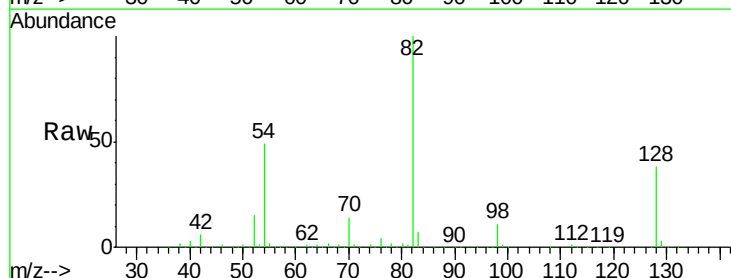
RT: 7.31 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF090945.D

Acq: 31 Oct 2016 23:00

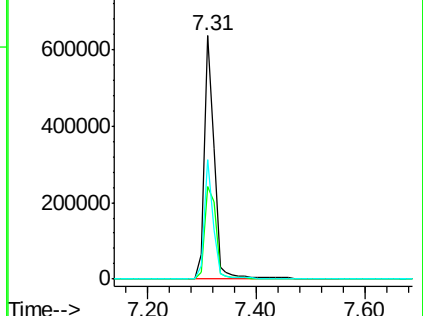
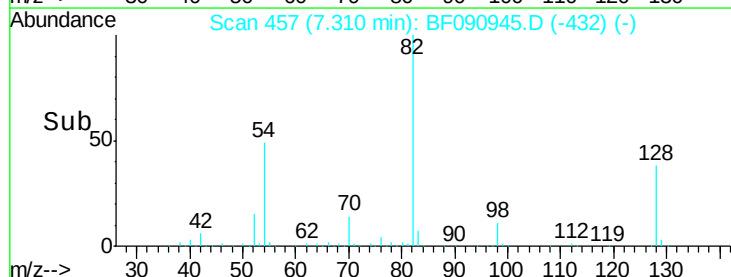
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	800113		
128	38.0	51.0	76.6#	
54	49.1	47.5	71.3	

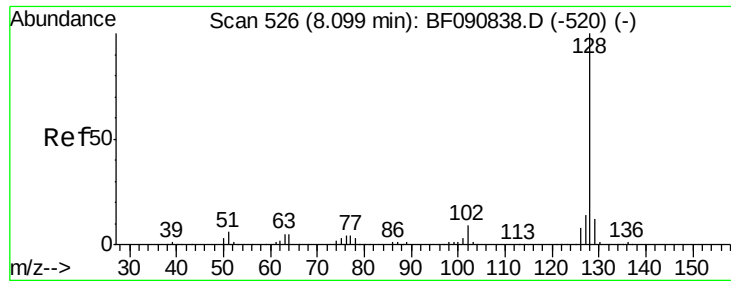


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





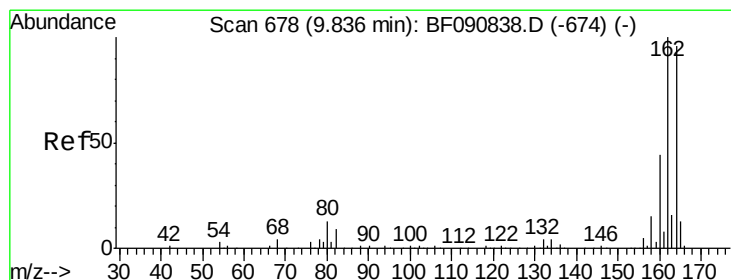
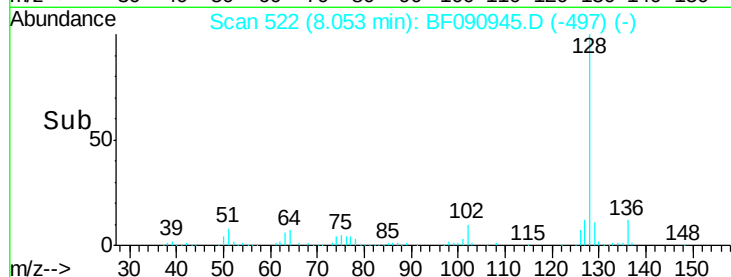
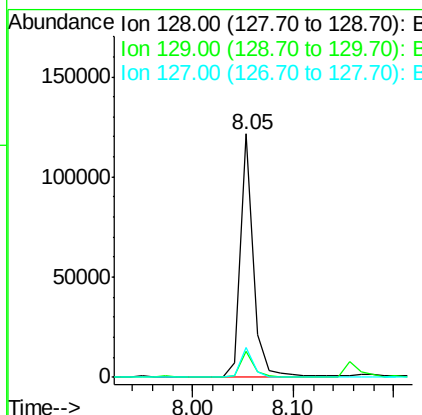
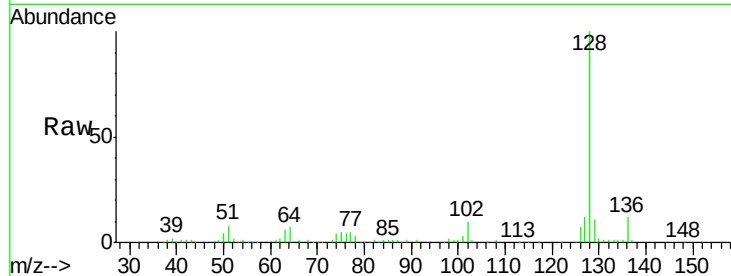
#31
Naphthalene
Concen: 3.83 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.01 min
Lab File: BF090945.D
Acq: 31 Oct 2016 23:00

Instrument :
BNA_F
ClientSampleId :
SB-4(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	107559		
129	10.8		8.4	12.6
127	12.5		9.9	14.9

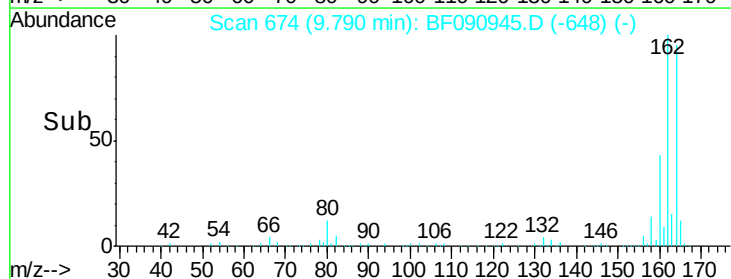
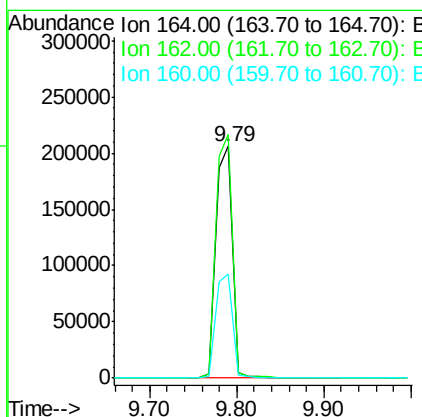
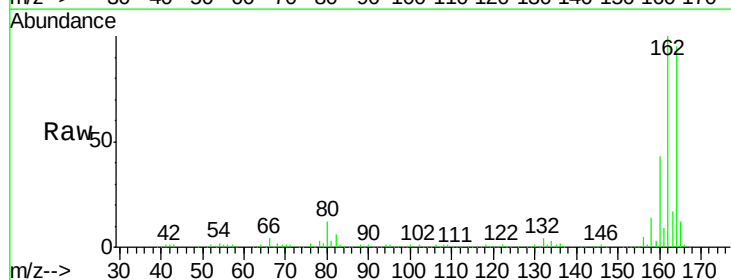
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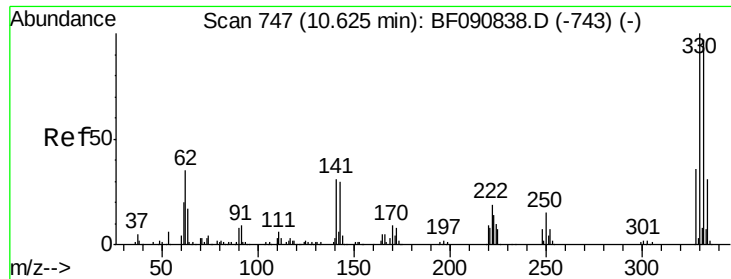
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.79 min Scan# 674
Delta R.T. 0.00 min
Lab File: BF090945.D
Acq: 31 Oct 2016 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	279836		
162	105.0		75.2	112.8
160	45.0		31.5	47.3





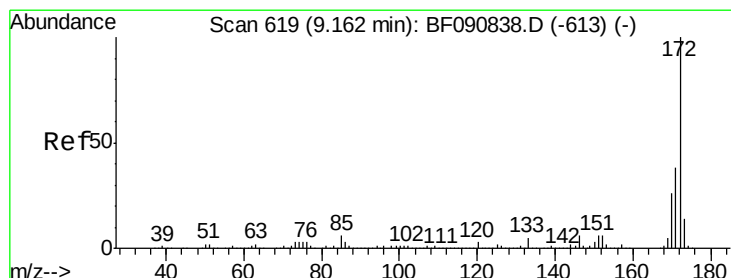
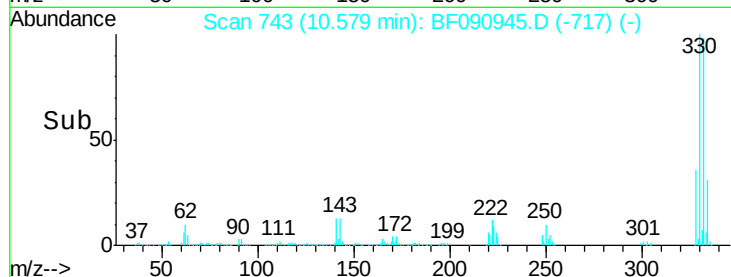
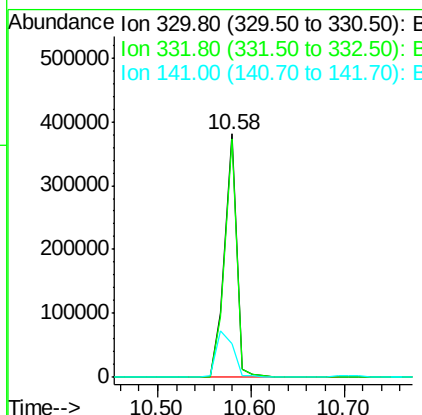
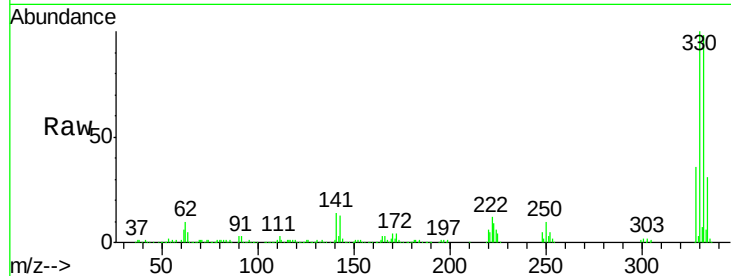
#41
 2,4,6-Tribromophenol
 Concen: 120.74 ng
 RT: 10.58 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: BF090945.D
 Acq: 31 Oct 2016 23:00

Instrument :
 BNA_F
 ClientSampled :
 SB-4(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	347221		
332	96.9	76.6	114.8	
141	26.3	29.7	44.5#	

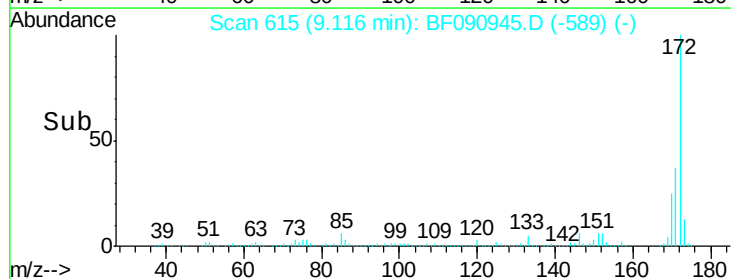
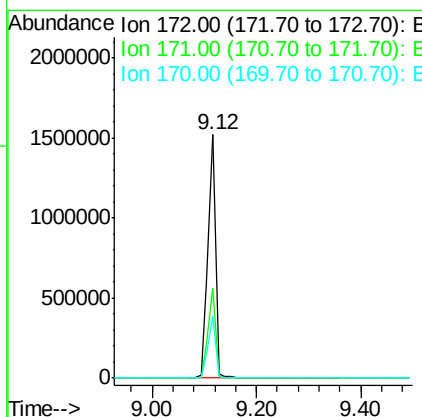
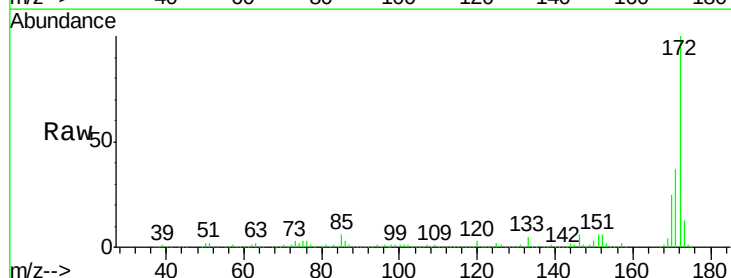
Manual Integrations
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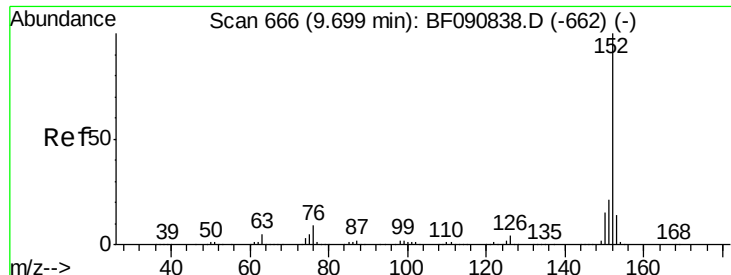
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#44
 2-Fluorobiphenyl
 Concen: 95.17 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF090945.D
 Acq: 31 Oct 2016 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1516595		
171	37.0	26.1	39.1	
170	25.2	17.4	26.2	





#48

Acenaphthylene

Concen: 14.17 ng

RT: 9.64 min Scan# 661

Delta R.T. -0.01 min

Lab File: BF090945.D

Acq: 31 Oct 2016 23:00

Instrument :

BNA_F

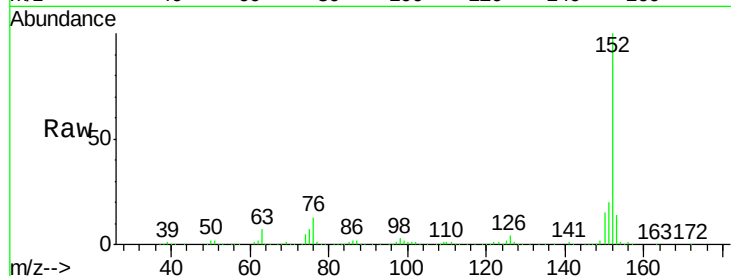
ClientSampleId :

SB-4(0-2)

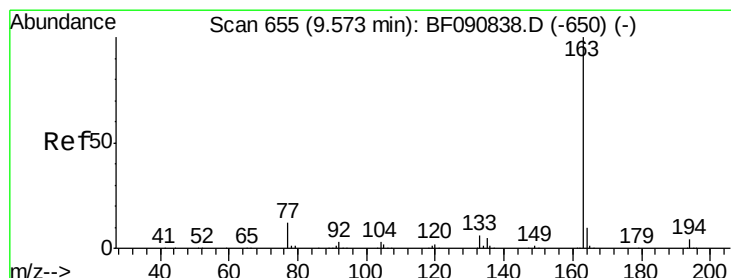
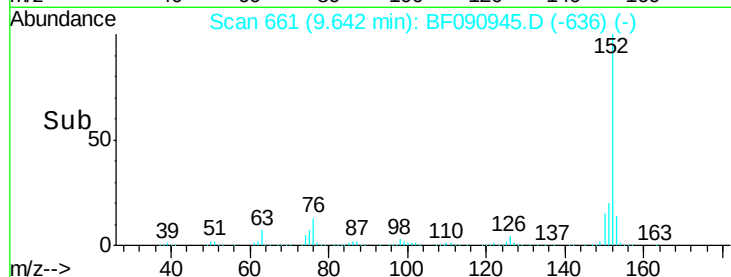
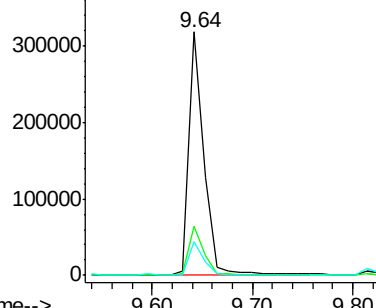
Tgt Ion:	152	Resp:	328982
Ion Ratio	Lower	Upper	
152	100		
151	20.2	14.6	22.0
153	13.7	10.3	15.5

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 14.47 ng

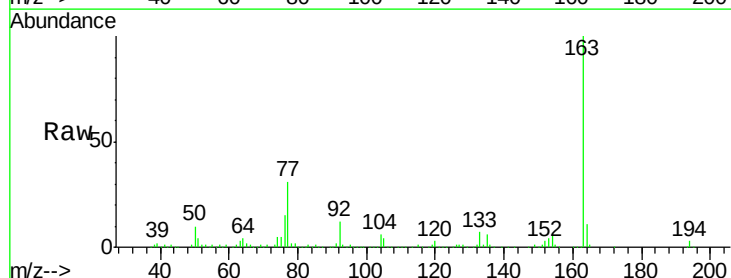
RT: 9.50 min Scan# 649

Delta R.T. -0.01 min

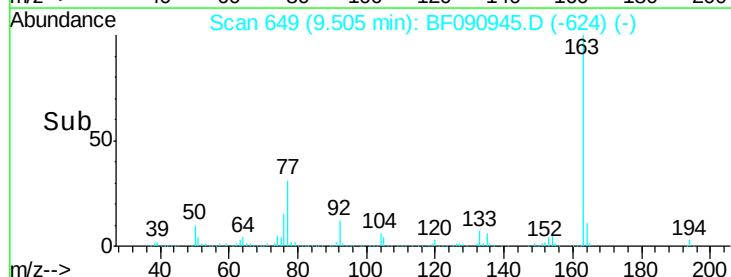
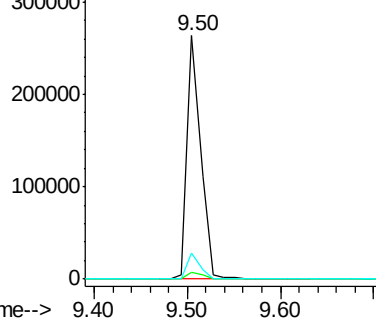
Lab File: BF090945.D

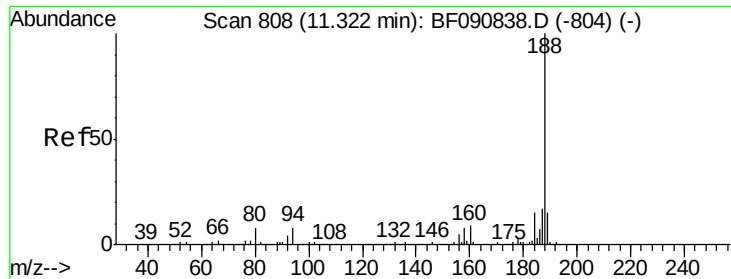
Acq: 31 Oct 2016 23:00

Tgt Ion:	163	Resp:	270518
Ion Ratio	Lower	Upper	
163	100		
194	2.7	4.4	6.6#
164	10.5	8.3	12.5



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: 11.26 min Scan# 803

Delta R.T. 0.00 min

Lab File: BF090945.D

Acq: 31 Oct 2016 23:00

Instrument :

BNA_F

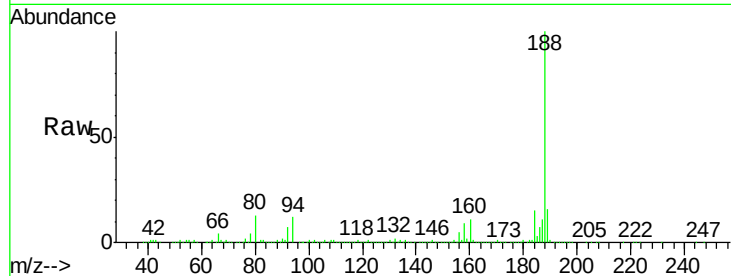
ClientSampleId :

SB-4(0-2)

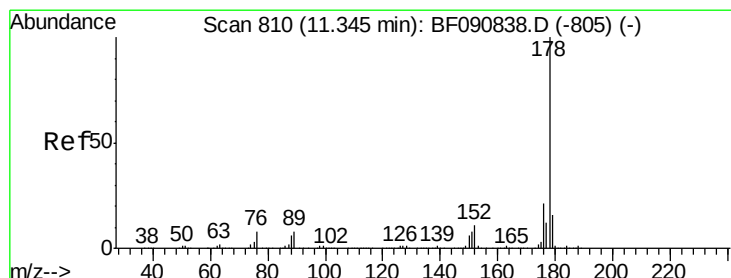
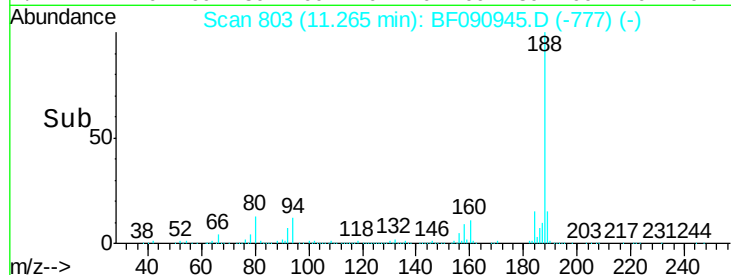
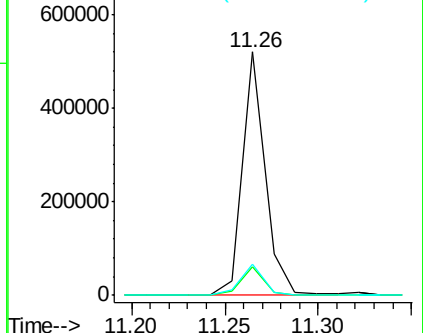
Tgt Ion:	188	Resp:	448023
Ion Ratio	Lower	Upper	
188	100		
94	11.9	11.1	16.7
80	12.9	11.0	16.4

Manual Integrations
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Abundance Ion 188.00 (187.70 to 188.70): E



#70

Phenanthrene

Concen: 5.14 ng

RT: 11.29 min Scan# 805

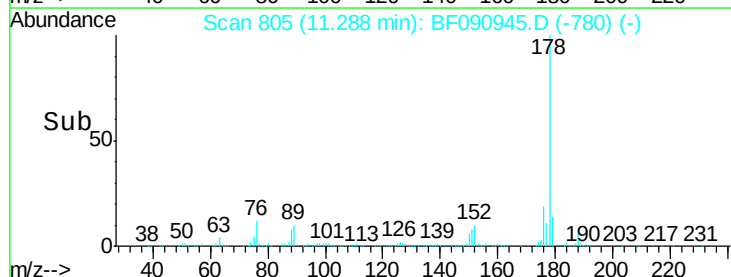
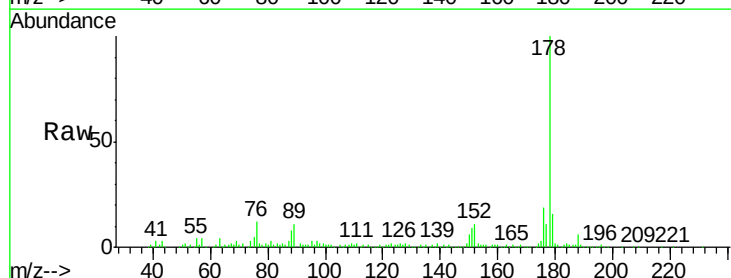
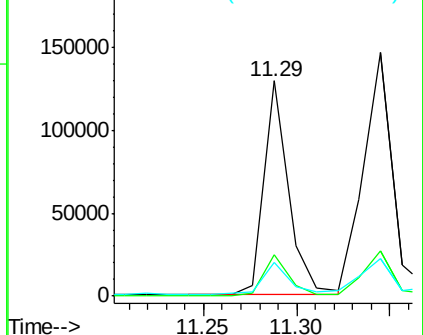
Delta R.T. -0.01 min

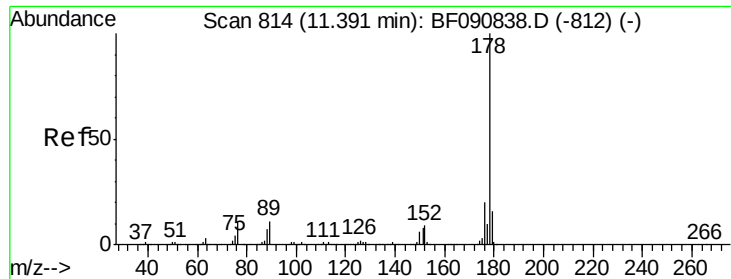
Lab File: BF090945.D

Acq: 31 Oct 2016 23:00

Tgt Ion:	178	Resp:	117352
Ion Ratio	Lower	Upper	
178	100		
176	19.0	13.8	20.8
179	15.5	12.2	18.2

Abundance Ion 178.00 (177.70 to 178.70): E





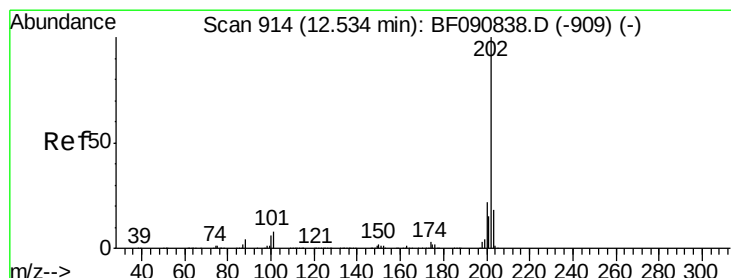
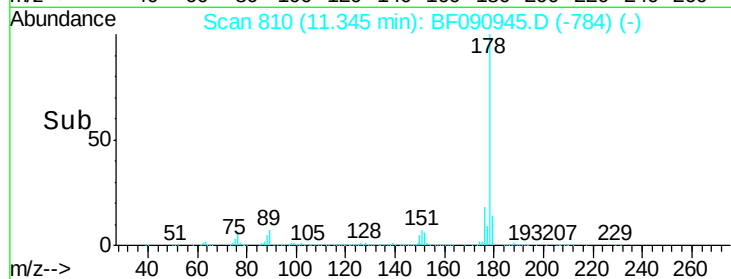
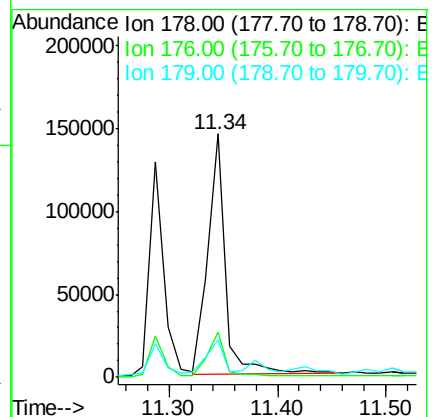
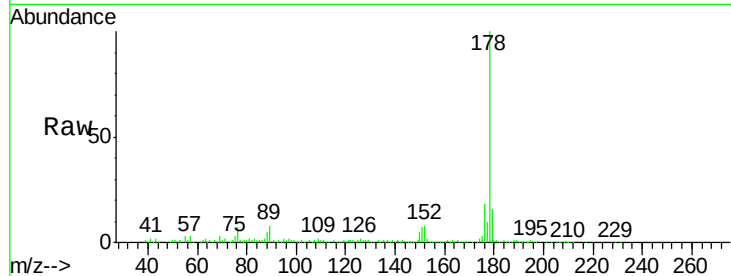
#71
 Anthracene
 Concen: 6.81 ng
 RT: 11.34 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF090945.D
 Acq: 31 Oct 2016 23:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-4(0-2)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.1	21.1
179	15.7	12.2	18.2

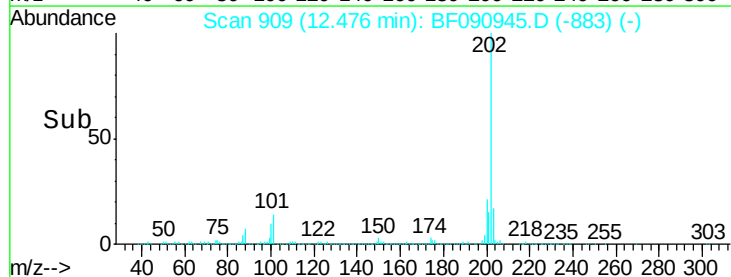
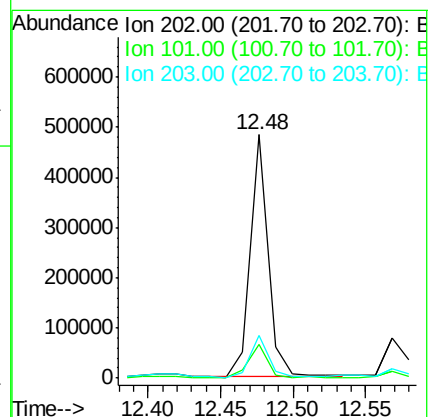
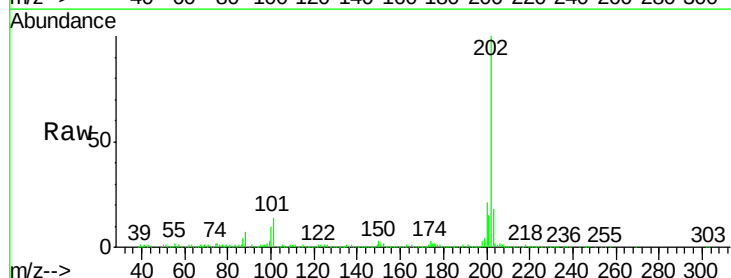
Manual Integrations
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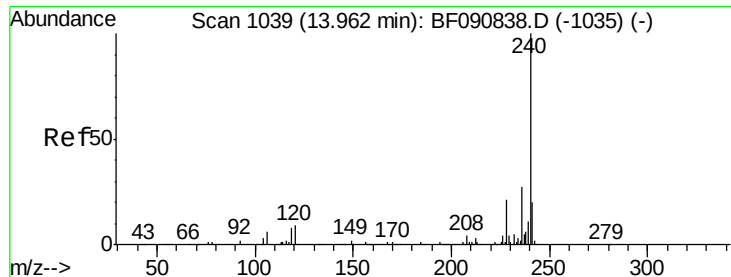
sohil
 11/1/2016 5:20:05 PM



#74
 Fluoranthene
 Concen: 16.54 ng
 RT: 12.48 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: BF090945.D
 Acq: 31 Oct 2016 23:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	38.3
203	17.7	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF090945.D

Acq: 31 Oct 2016 23:00

Instrument :

BNA_F

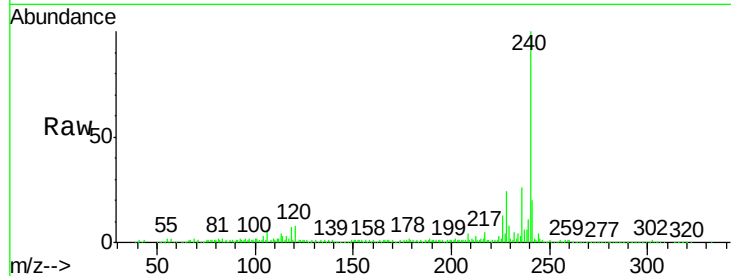
ClientSampled :

SB-4(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	336793		
120	8.4	16.2	24.2#	
236	26.3	18.4	27.6	

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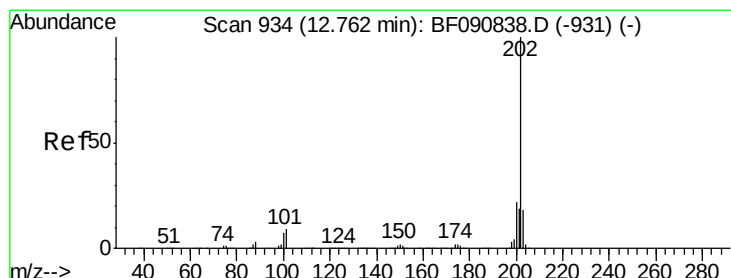
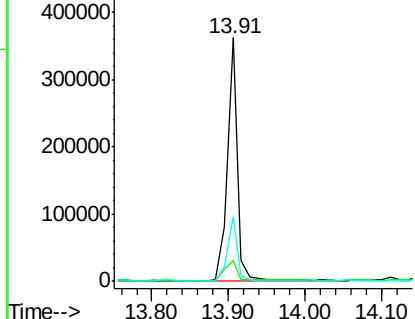
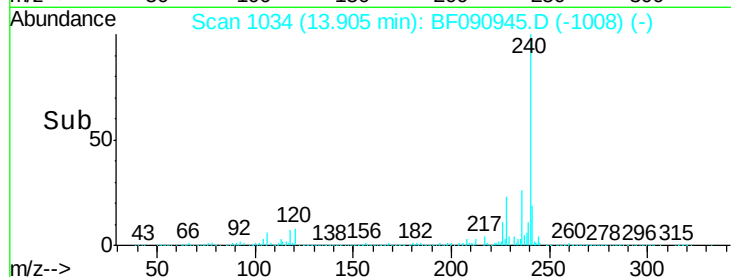
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 30.97 ng

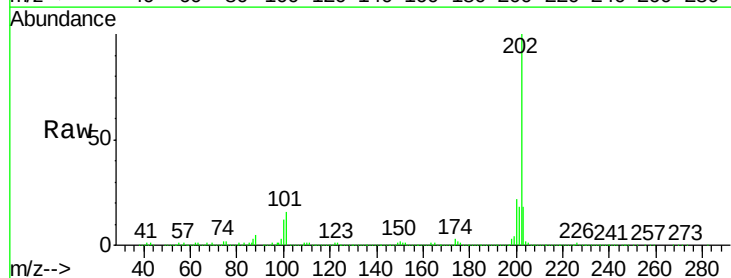
RT: 12.71 min Scan# 929

Delta R.T. 0.00 min

Lab File: BF090945.D

Acq: 31 Oct 2016 23:00

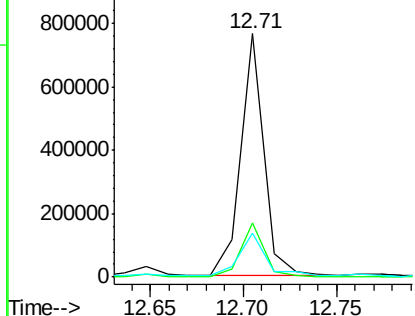
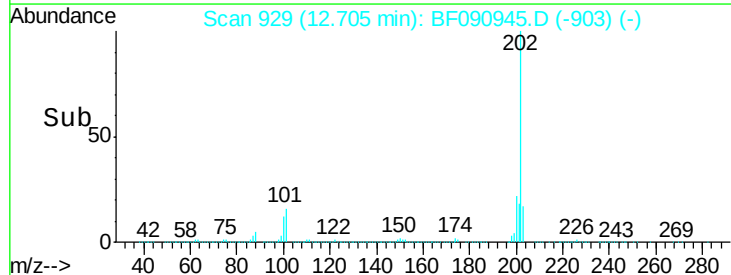
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	660003		
200	22.1	15.0	22.4	
203	17.9	14.1	21.1	

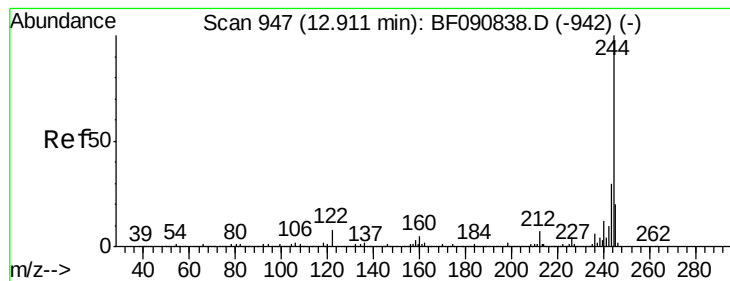


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 77.81 ng

RT: 12.85 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF090945.D

Acq: 31 Oct 2016 23:00

Instrument :

BNA_F

ClientSampleId :

SB-4(0-2)

Tgt Ion:244 Resp: 1040207

Ion Ratio Lower Upper

244 100

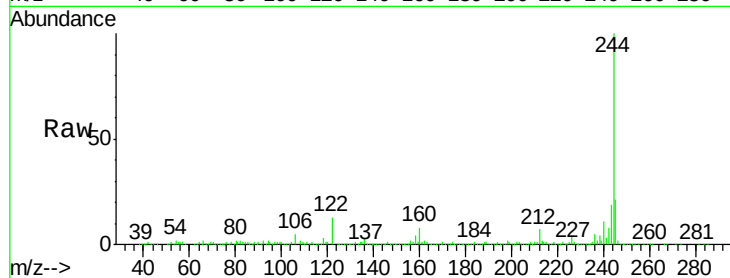
212 7.2 4.3 6.5#

122 13.3 17.4 26.2#

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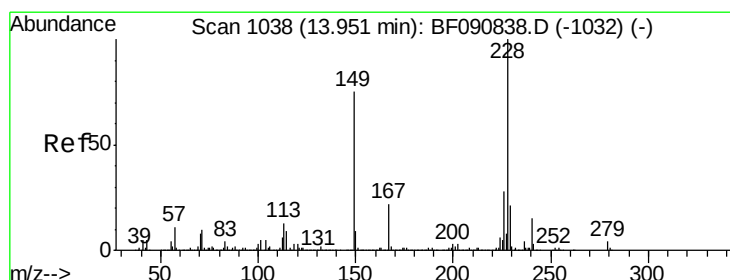
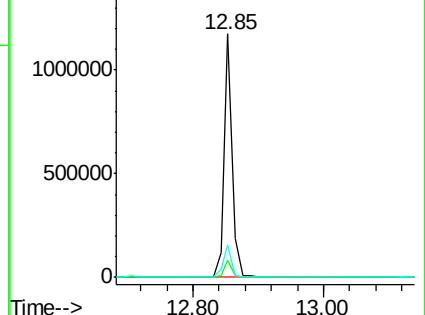
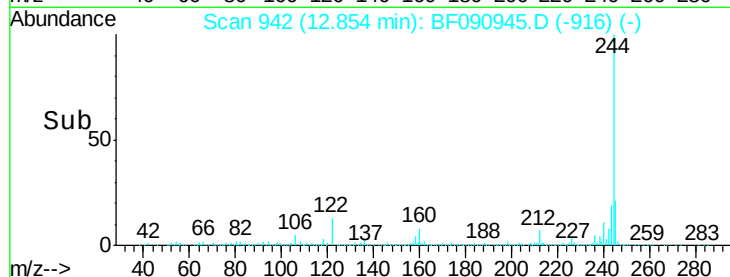
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 20.53 ng m

RT: 13.89 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF090945.D

Acq: 31 Oct 2016 23:00

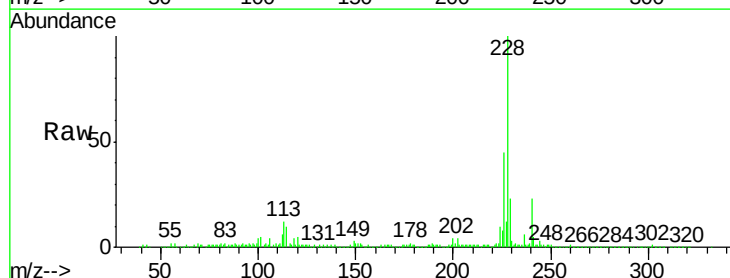
Tgt Ion:228 Resp: 366991

Ion Ratio Lower Upper

228 100

226 45.4 20.0 30.0#

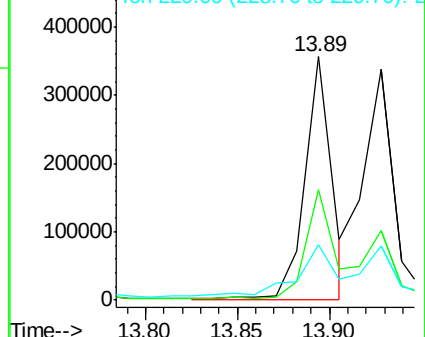
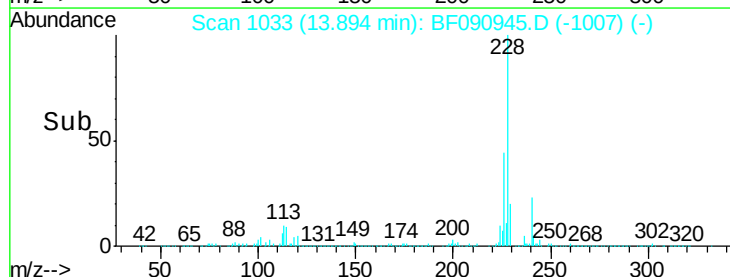
229 22.7 15.4 23.2

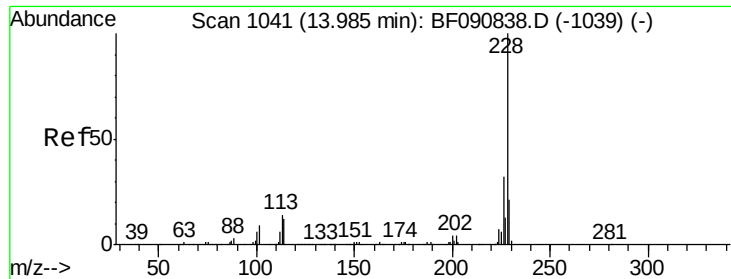


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 21.52 ng m

RT: 13.93 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF090945.D

Acq: 31 Oct 2016 23:00

Instrument :

BNA_F

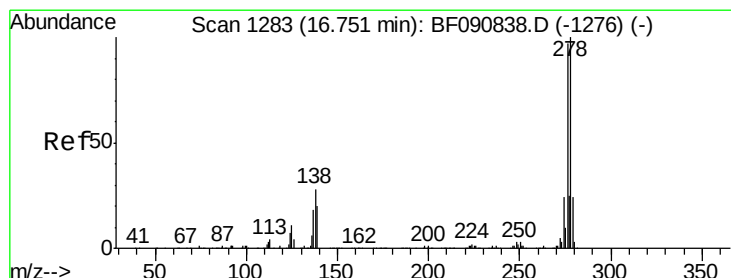
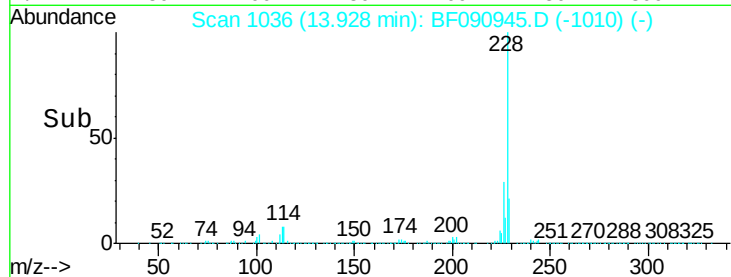
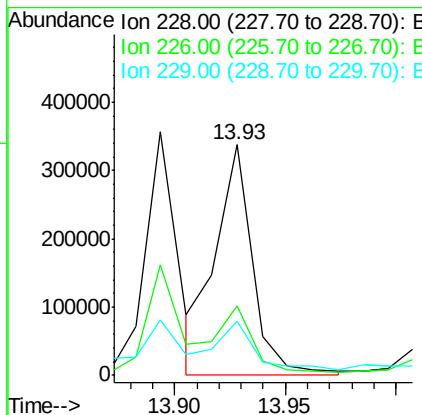
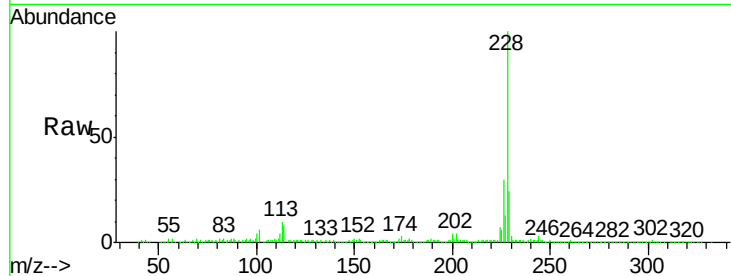
ClientSampleId :

SB-4(0-2)

Tgt Ion:	228	Resp:	389014
Ion Ratio	Lower	Upper	
228	100		
226	29.9	21.0	31.4
229	23.6	15.6	23.4#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 19.34 ng

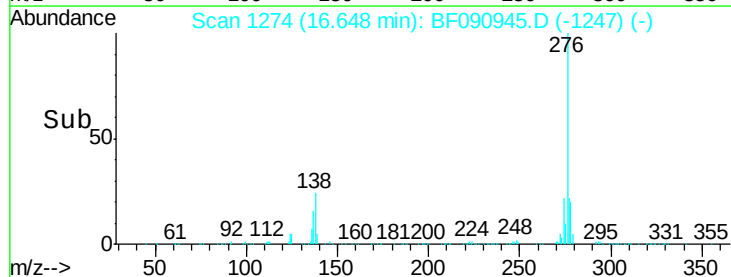
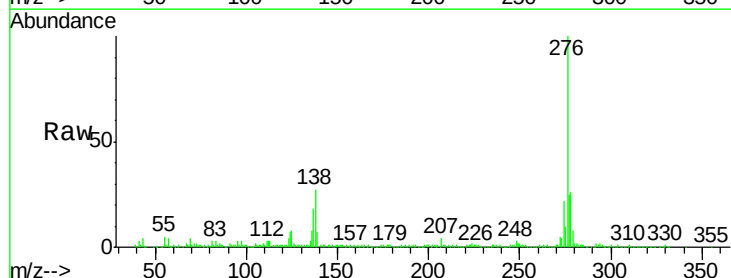
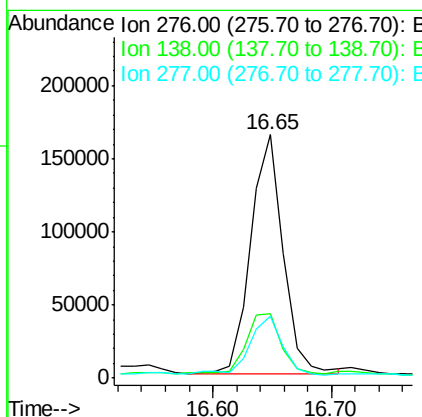
RT: 16.65 min Scan# 1274

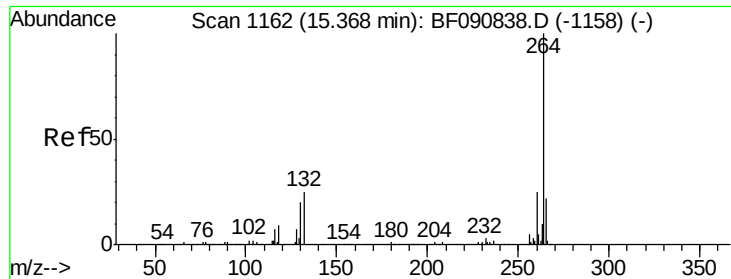
Delta R.T. 0.01 min

Lab File: BF090945.D

Acq: 31 Oct 2016 23:00

Tgt Ion:	276	Resp:	309819
Ion Ratio	Lower	Upper	
276	100		
138	27.4	25.7	38.5
277	25.7	15.6	23.4#





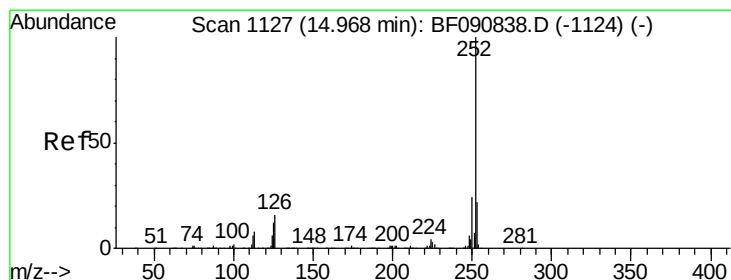
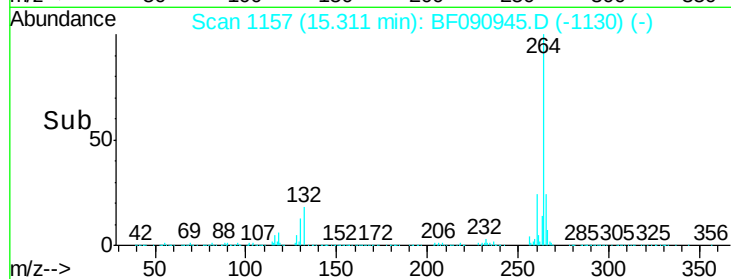
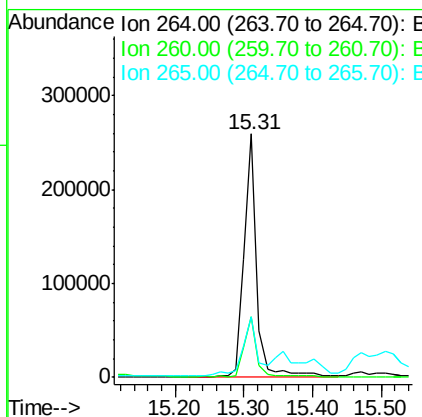
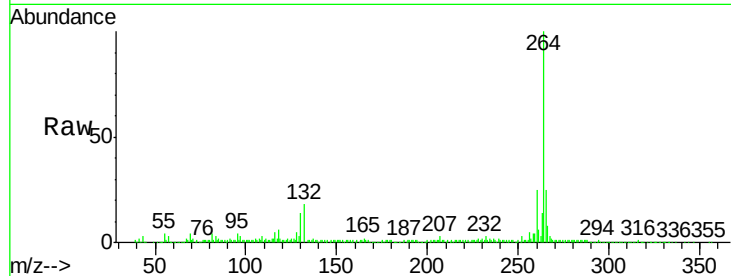
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.31 min Scan# 1157
 Delta R.T. 0.01 min
 Lab File: BF090945.D
 Acq: 31 Oct 2016 23:00

Instrument :
 BNA_F
 ClientSampled :
 SB-4(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	329511		
260	24.7	16.7	25.1	
265	24.8	17.2	25.8	

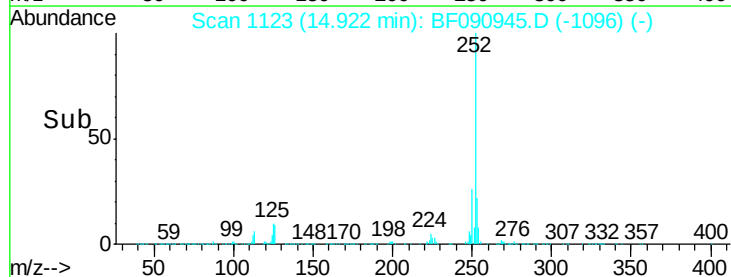
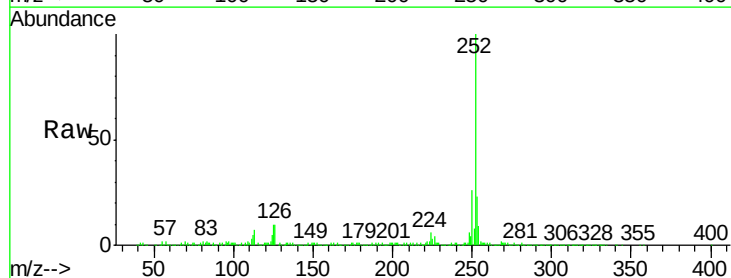
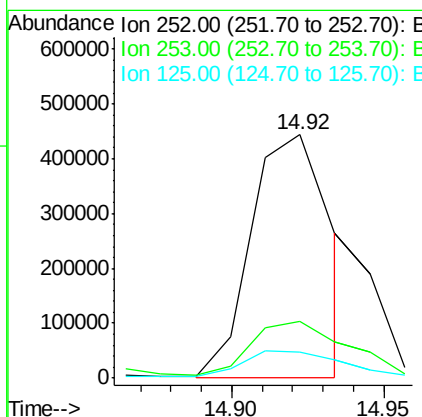
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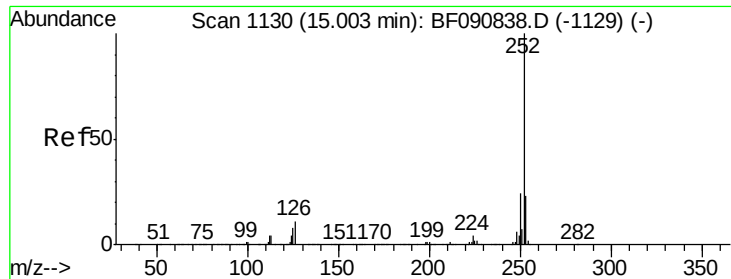
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#87
 Benzo(b)fluoranthene
 Concen: 36.76 ng m
 RT: 14.92 min Scan# 1123
 Delta R.T. 0.01 min
 Lab File: BF090945.D
 Acq: 31 Oct 2016 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	814435		
253	23.3	17.5	26.3	
125	10.5	17.1	25.7#	





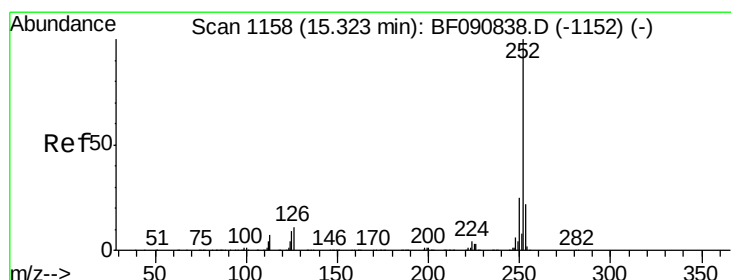
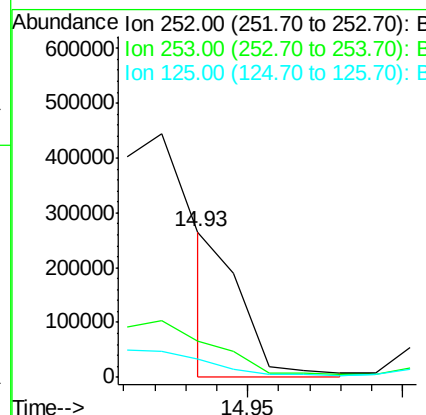
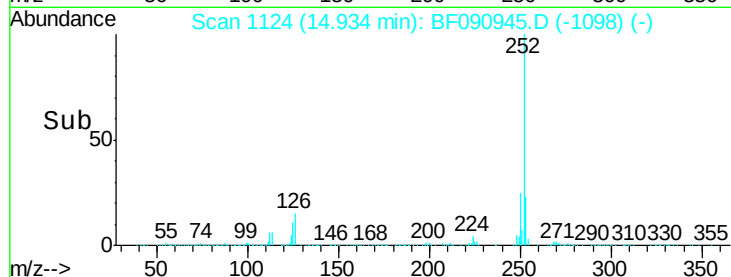
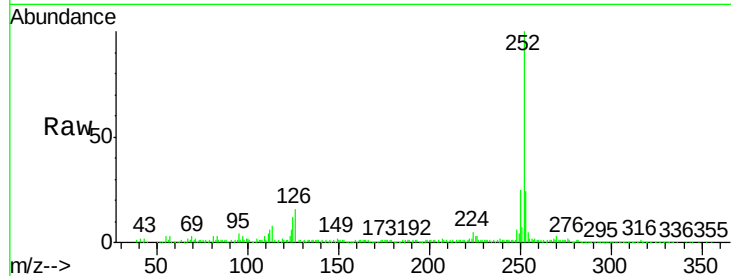
#88
Benzo(k)fluoranthene
Concen: 8.96 ng m
RT: 14.93 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BF090945.D
Acq: 31 Oct 2016 23:00

Instrument :
BNA_F
ClientSampled :
SB-4(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	156876		
253	24.5	17.0	25.4	
125	12.2	16.0	24.0	

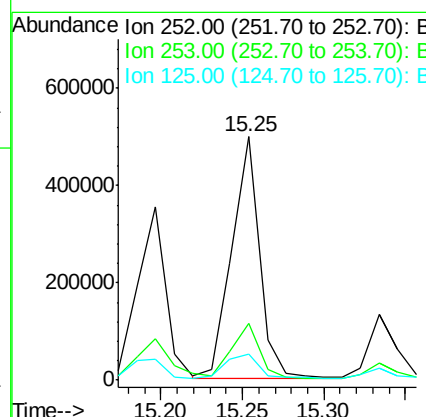
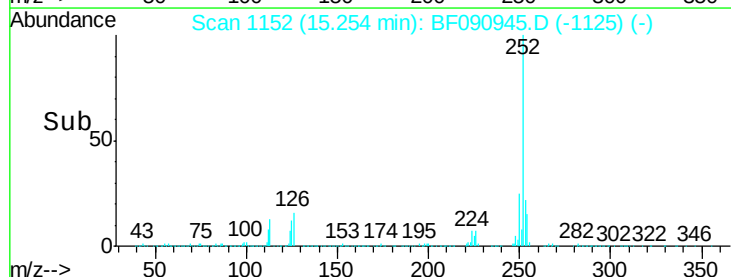
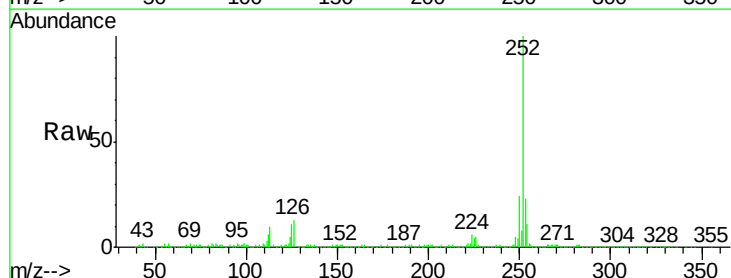
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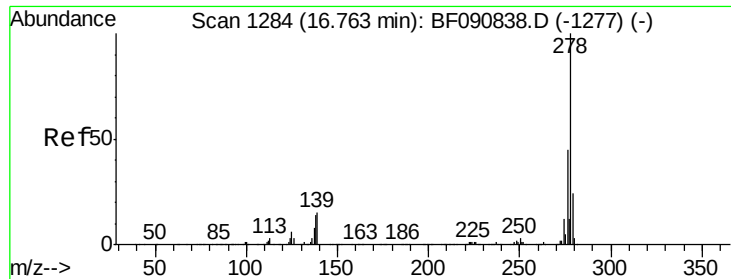
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#89
Benzo(a)pyrene
Concen: 30.71 ng
RT: 15.25 min Scan# 1152
Delta R.T. 0.01 min
Lab File: BF090945.D
Acq: 31 Oct 2016 23:00

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	584679		
253	23.2	17.2	25.8	
125	10.6	18.0	27.0	





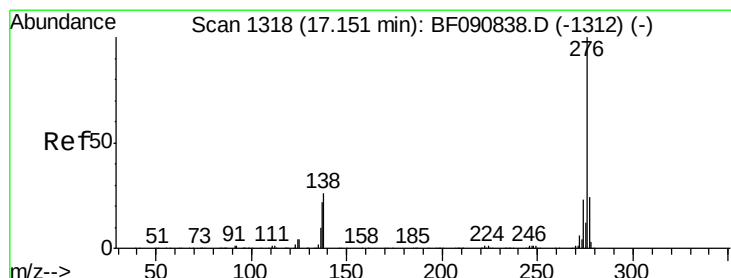
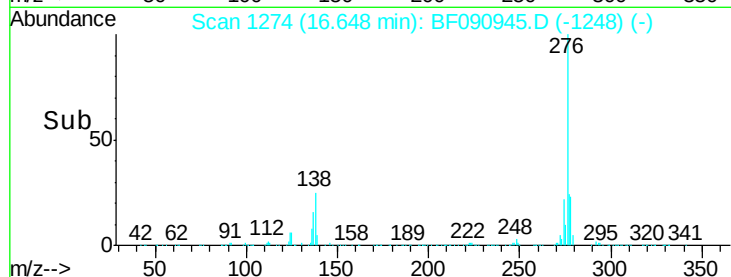
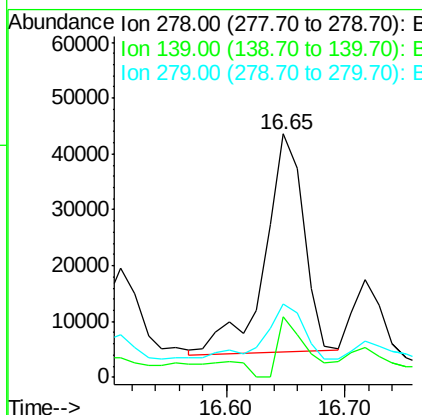
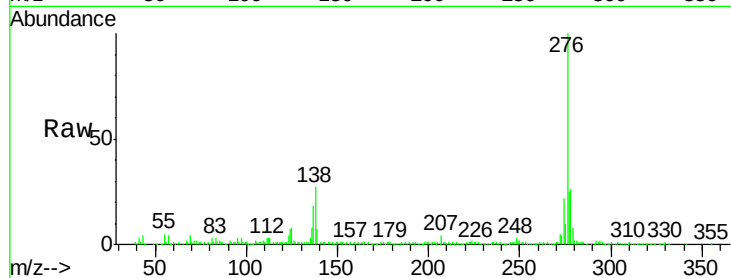
#90
Dibenzo(a,h)anthracene
Concen: 5.46 ng
RT: 16.65 min Scan# 1274
Delta R.T. 0.00 min
Lab File: BF090945.D
Acq: 31 Oct 2016 23:00

Instrument :
BNA_F
ClientSampled :
SB-4(0-2)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.9	26.3	39.5#
279	29.9	18.2	27.4#

Manual Integrations
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11/1/2016 5:20:05 PM



#91
Benzo(g,h,i)perylene
Concen: 21.66 ng
RT: 17.05 min Scan# 1309
Delta R.T. 0.01 min
Lab File: BF090945.D
Acq: 31 Oct 2016 23:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.8	26.6
138	29.0	34.6	51.8#

