

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
 Data File : BF090263.D
 Acq On : 27 Sep 2016 20:27
 Operator : UM/SJ
 Sample : H4949-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1-2-LOC-1(10-15)

Manual Integrations
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Quant Time: Sep 28 01:21:18 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	122516	20.00	ng	0.00
21) Naphthalene-d8	7.76	136	475384	20.00	ng	-0.01
38) Acenaphthene-d10	9.50	164	242681	20.00	ng	-0.01
63) Phenanthrene-d10	10.97	188	339139	20.00	ng	-0.01
75) Chrysene-d12	13.58	240	272031	20.00	ng	-0.02
86) Perylene-d12	14.90	264	285081	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	893973	118.94	ng	0.01
7) Phenol-d6	6.14	99	1140041	122.82	ng	0.00
23) Nitrobenzene-d5	7.05	82	769190	93.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.28	330	240619	115.57	ng	-0.01
44) 2-Fluorobiphenyl	8.84	172	1144435	92.58	ng	-0.01
78) Terphenyl-d14	12.55	244	627301	58.55	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.15	94	26216	2.39	ng	# 71
49) Dimethylphthalate	9.24	163	488929	31.63	ng	99
51) Acenaphthene	9.53	154	28854	2.34	ng	98
57) Fluorene	10.04	166	27452	2.24	ng	100
70) Phenanthrene	10.99	178	384744	24.26	ng	98
71) Anthracene	11.04	178	95990	5.77	ng	99
72) Carbazole	11.20	167	43594	2.48	ng	98
74) Fluoranthene	12.16	202	334790	19.66	ng	97
77) Pyrene	12.39	202	308732	16.59	ng	98
80) Benzo(a)anthracene	13.57	228	132484m	9.05	ng	
82) Chrysene	13.60	228	146232m	10.26	ng	
85) Indeno(1,2,3-cd)pyrene	16.03	276	68579	5.95	ng	95
87) Benzo(b)fluoranthene	14.56	252	163215m	10.34	ng	
88) Benzo(k)fluoranthene	14.58	252	56022m	3.78	ng	
89) Benzo(a)pyrene	14.85	252	116457	7.84	ng	# 95
91) Benzo(g,h,i)perylene	16.37	276	60836	5.36	ng	96

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

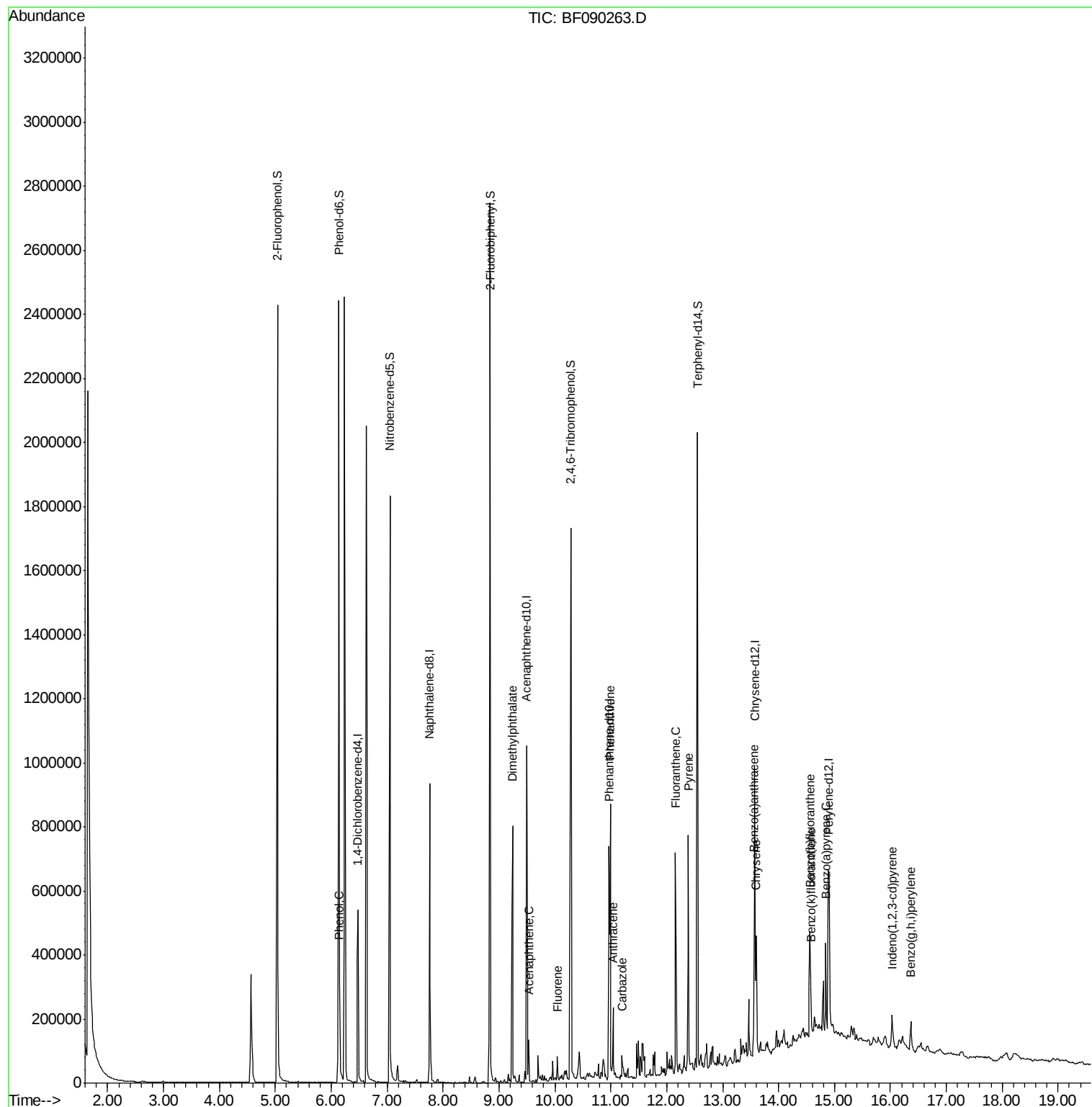
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#1

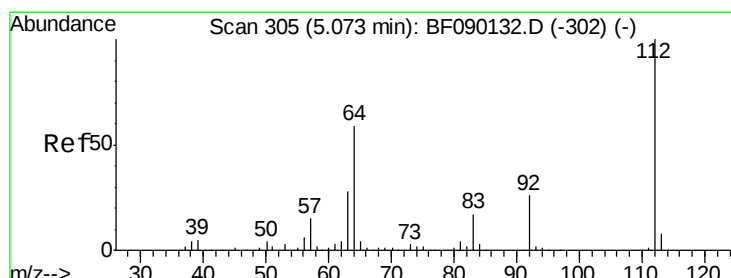
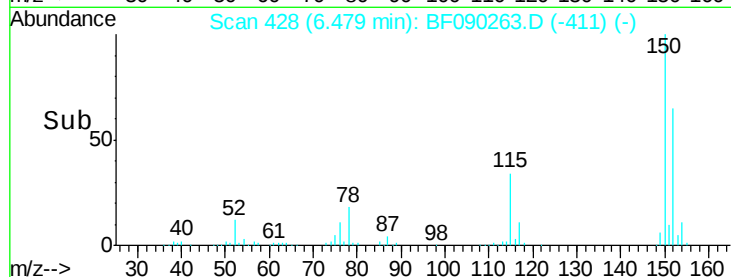
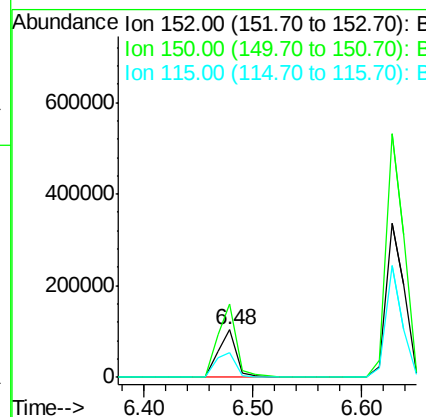
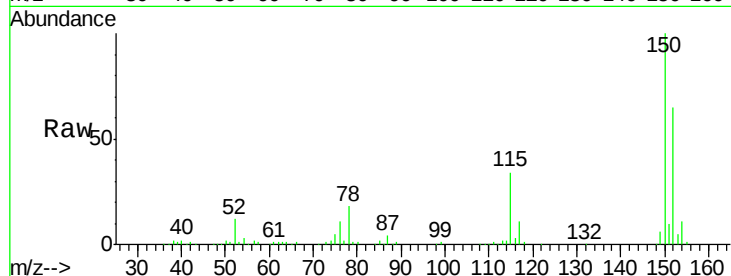
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.48 min Scan# 428
Delta R.T. 0.00 min
Lab File: BF090263.D
Acq: 27 Sep 2016 20:27

Instrument :
BNA_F
ClientSampleId :
S-1-2-LOC-1(10-15)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	122516		
150	155.0	128.9	193.3	
115	52.9	55.5	83.3	

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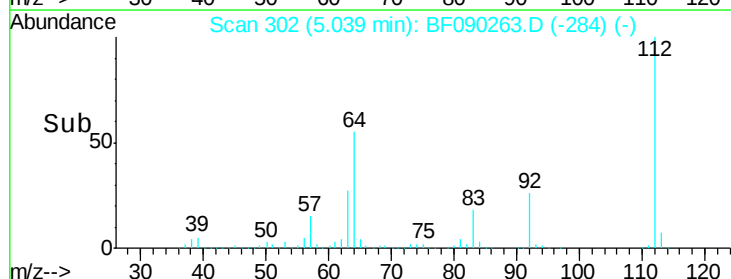
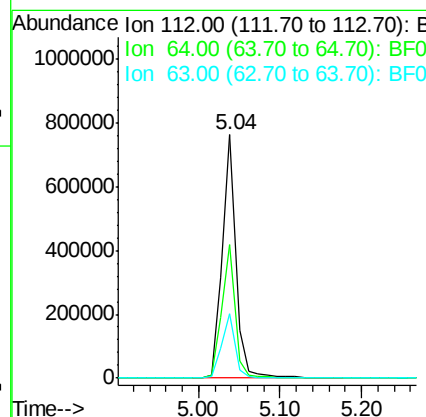
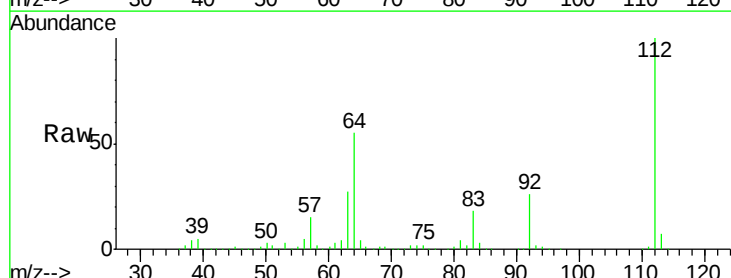
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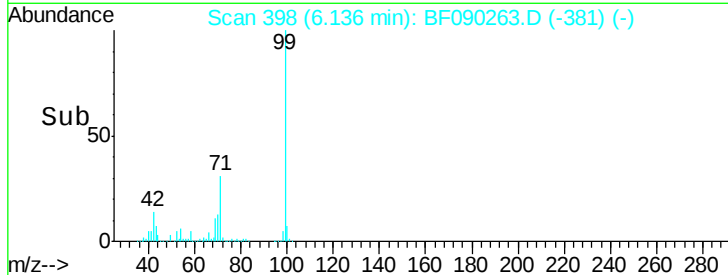
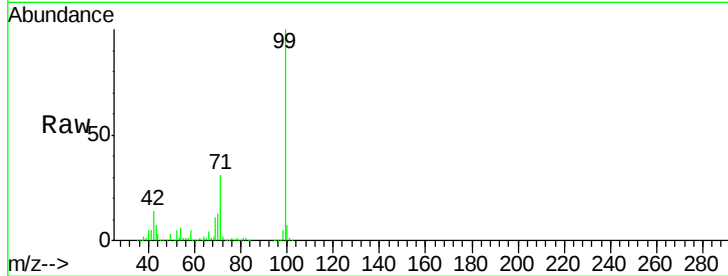
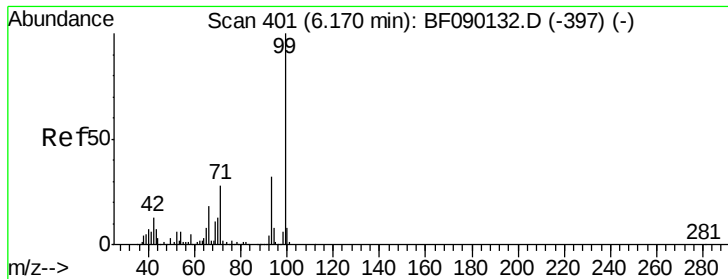


#5

2-Fluorophenol
Concen: 118.94 ng
RT: 5.04 min Scan# 302
Delta R.T. 0.01 min
Lab File: BF090263.D
Acq: 27 Sep 2016 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	893973		
64	54.9	39.8	59.6	
63	26.6	18.9	28.3	





#7

Phenol-d6

Concen: 122.82 ng

RT: 6.14 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF090263.D

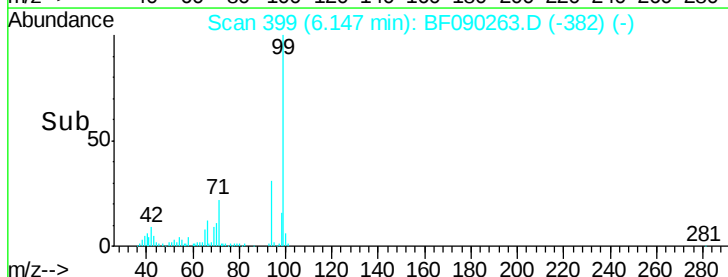
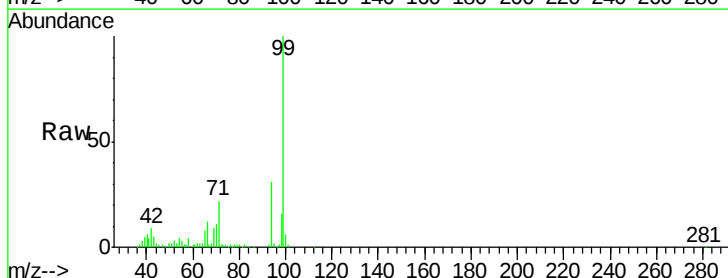
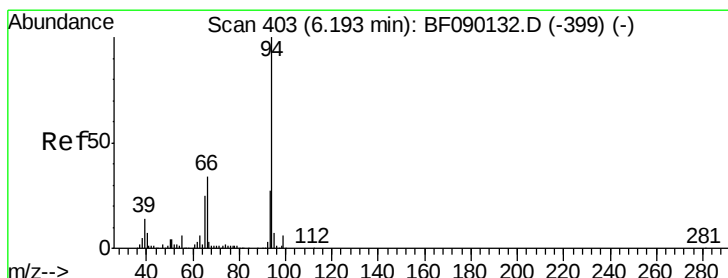
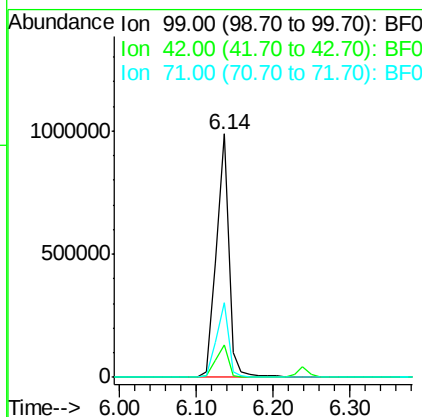
Acq: 27 Sep 2016 20:27

Tot Ion:	99	Resp:	1140041
Ion	Ratio	Lower	Upper
99	100		
42	13.6	10.6	15.8
71	30.8	23.0	34.6

Instrument :
BNA_F
ClientSampleId :
S-1-2-LOC-1(10-15)

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#10

Phenol

Concen: 2.39 ng

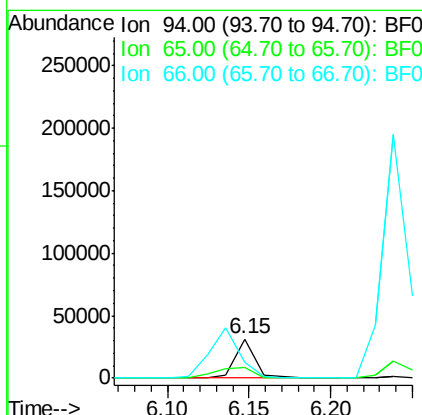
RT: 6.15 min Scan# 399

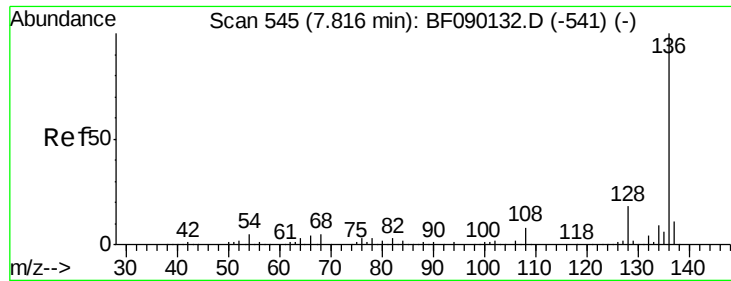
Delta R.T. 0.00 min

Lab File: BF090263.D

Acq: 27 Sep 2016 20:27

Tgt Ion:	94	Resp:	26216
Ion	Ratio	Lower	Upper
94	100		
65	26.1	20.6	60.6
66	39.1	45.1	85.1#





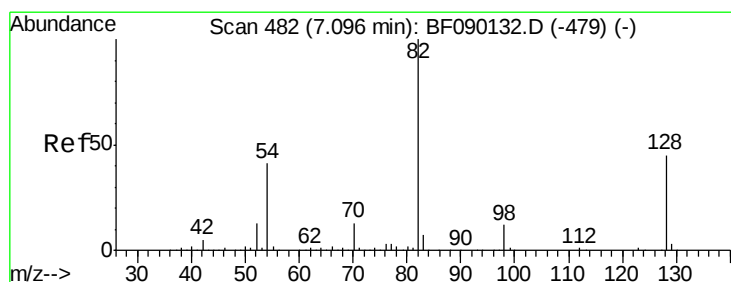
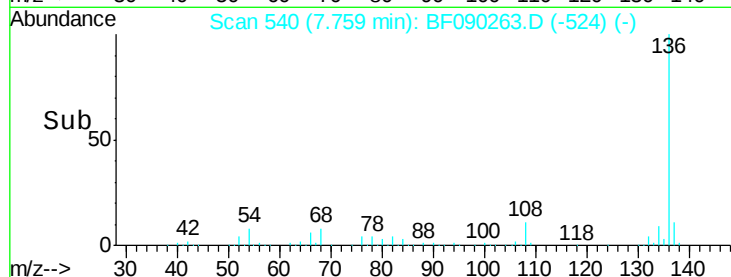
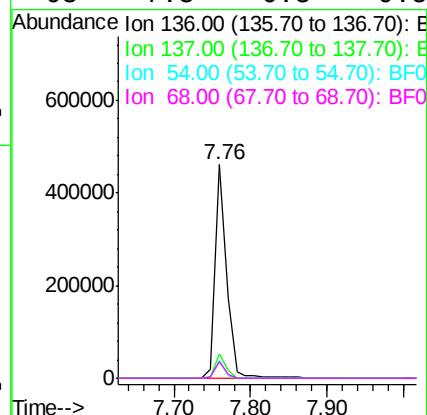
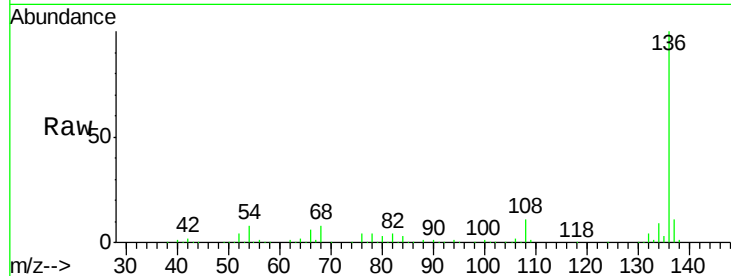
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.76 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF090263.D
Acq: 27 Sep 2016 20:27

Instrument :
BNA_F
ClientSampleId :
S-1-2-LOC-1(10-15)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		475384		
137	11.3		9.0	13.4	
54	8.3		6.4	9.6	
68	7.8		6.3	9.5	

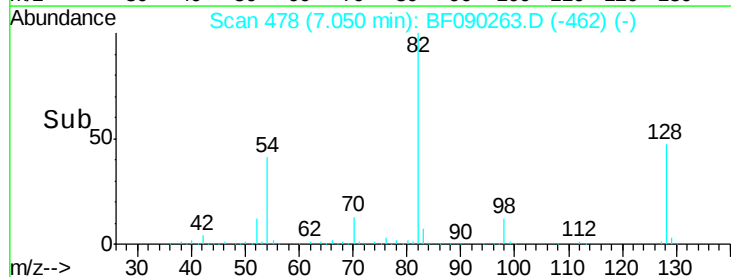
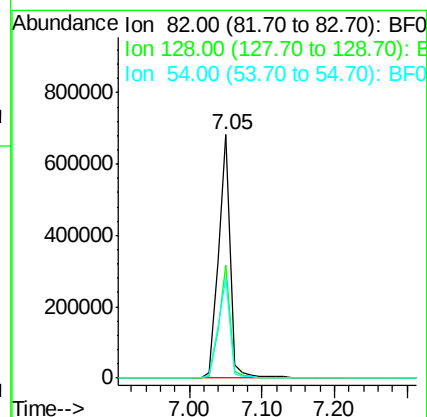
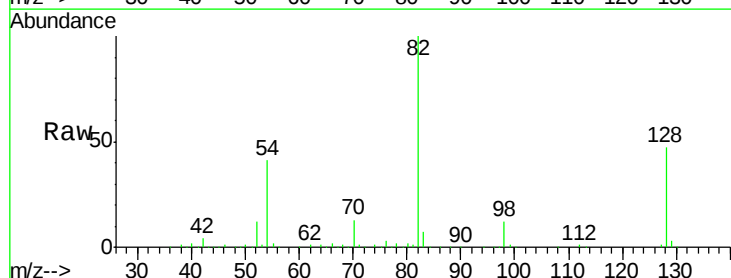
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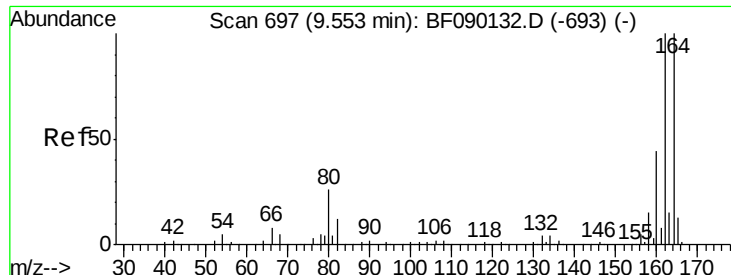
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#23
Nitrobenzene-d5
Concen: 93.80 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.01 min
Lab File: BF090263.D
Acq: 27 Sep 2016 20:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		769190		
128	46.7		37.5	56.3	
54	41.0		31.9	47.9	





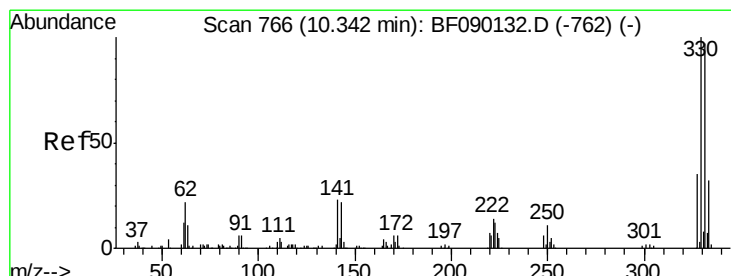
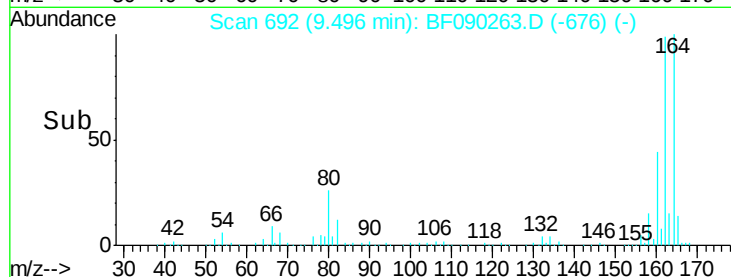
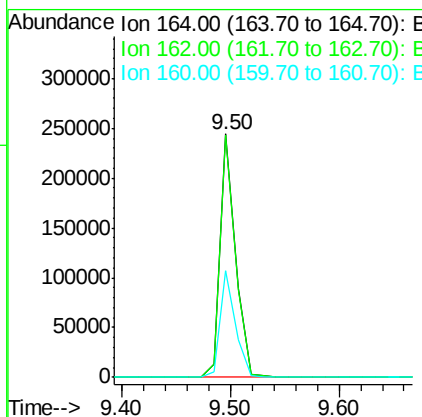
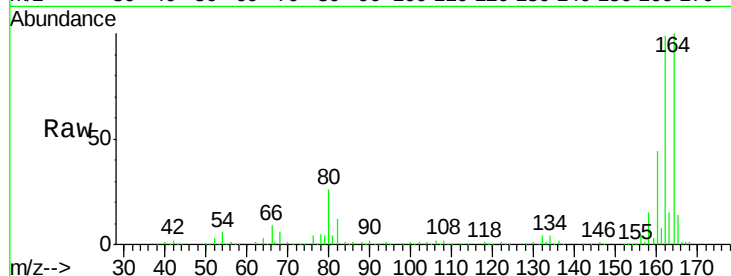
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.50 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF090263.D
Acq: 27 Sep 2016 20:27

Instrument :
BNA_F
ClientSampleId :
S-1-2-LOC-1(10-15)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	242681		
162	99.5	81.4	122.2	
160	43.7	36.6	54.8	

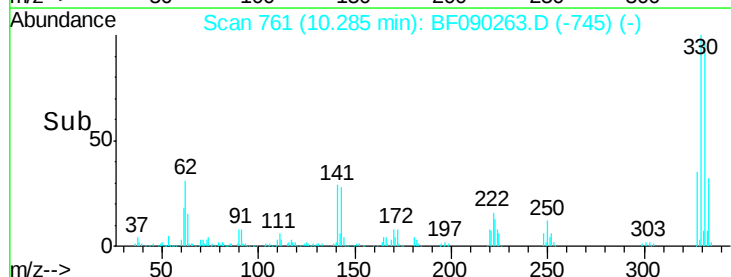
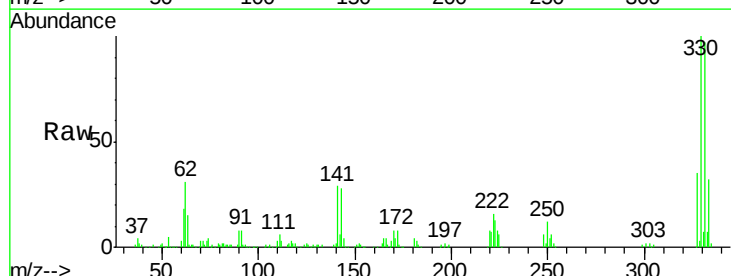
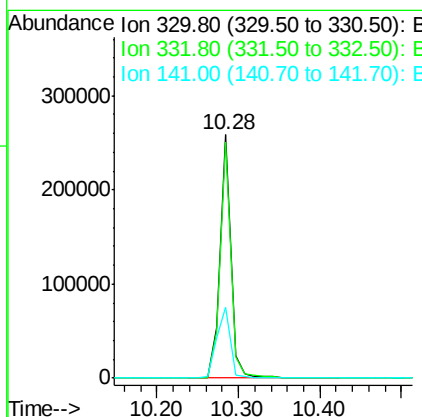
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#41
2,4,6-Tribromophenol
Concen: 115.57 ng
RT: 10.28 min Scan# 761
Delta R.T. -0.01 min
Lab File: BF090263.D
Acq: 27 Sep 2016 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	240619		
332	96.5	78.1	117.1	
141	36.3	23.9	35.9#	





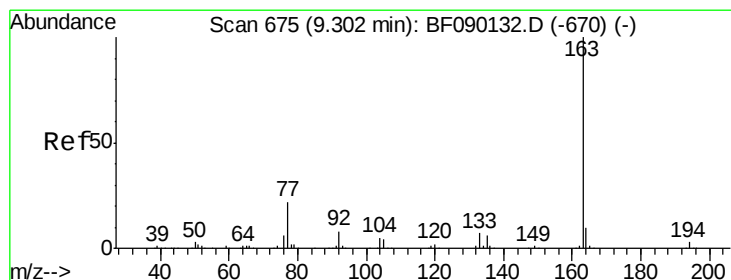
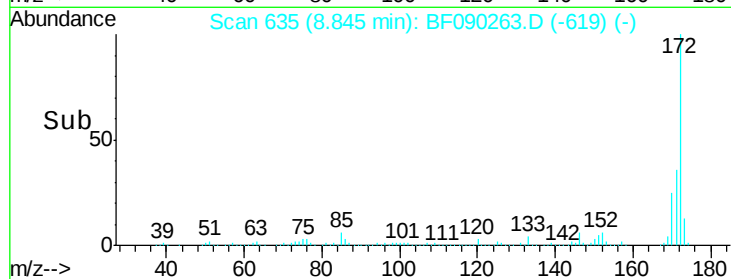
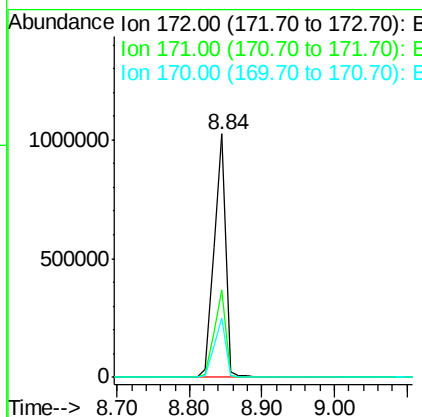
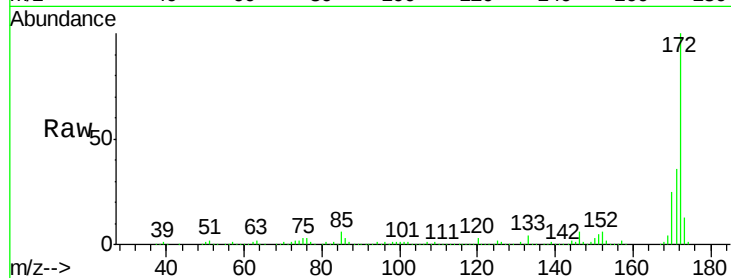
#44
2-Fluorobiphenyl
Concen: 92.58 ng
RT: 8.84 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF090263.D
Acq: 27 Sep 2016 20:27

Instrument :
BNA_F
ClientSampleId :
S-1-2-LOC-1(10-15)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.2	43.8
170	24.5	19.8	29.8

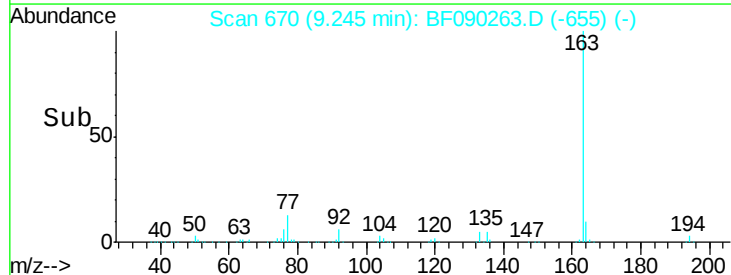
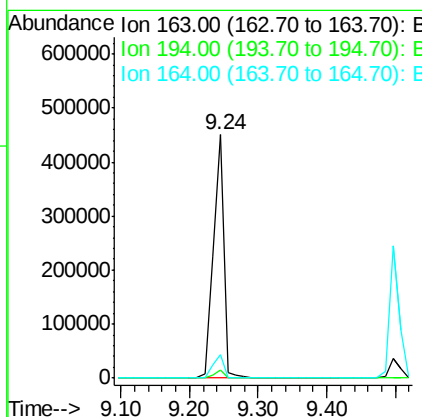
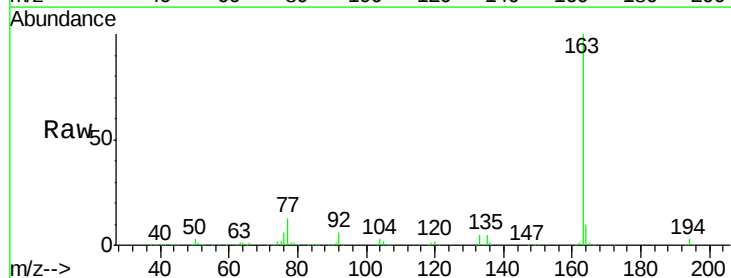
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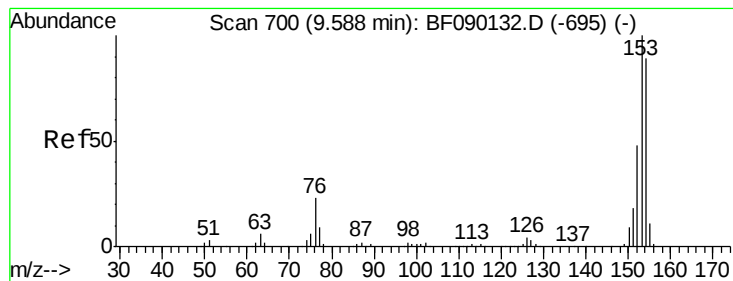
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#49
Dimethylphthalate
Concen: 31.63 ng
RT: 9.24 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF090263.D
Acq: 27 Sep 2016 20:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	9.7	8.1	12.1





#51

Acenaphthene

Concen: 2.34 ng

RT: 9.53 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF090263.D

Acq: 27 Sep 2016 20:27

Instrument :

BNA_F

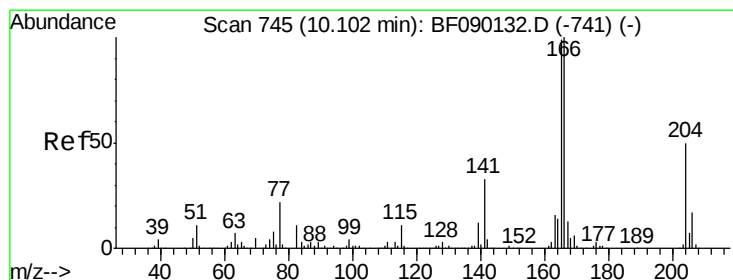
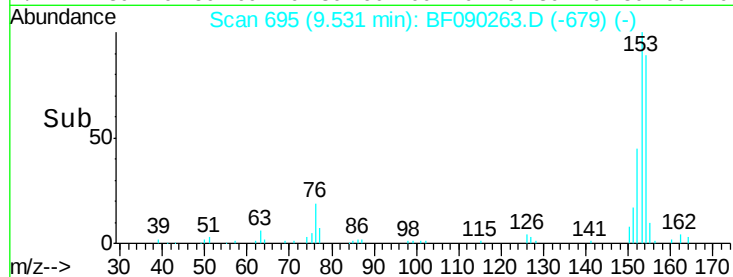
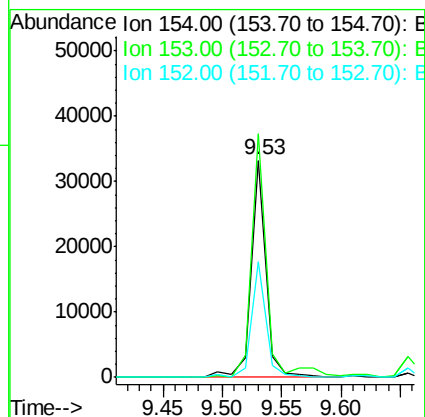
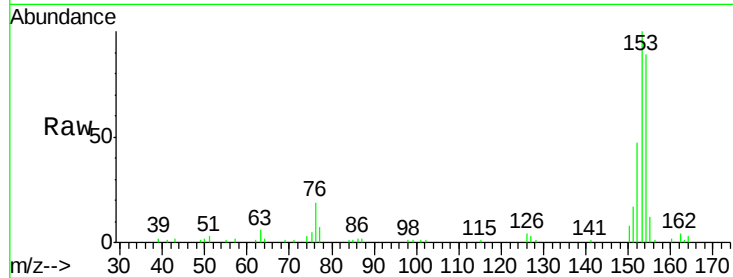
ClientSampleId :

S-1-2-LOC-1(10-15)

Tot Ion:	154	Resp:	28854
Ion Ratio	Lower	Upper	
154	100		
153	112.1	90.8	136.2
152	53.0	44.2	66.4

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#57

Fluorene

Concen: 2.24 ng

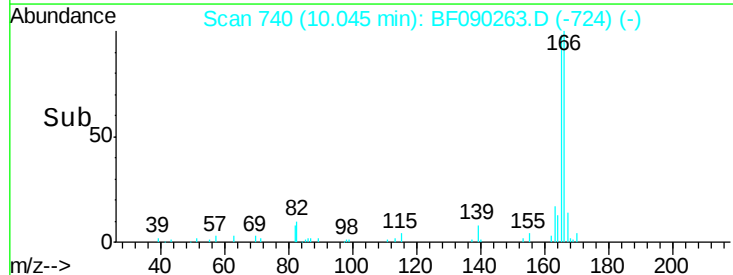
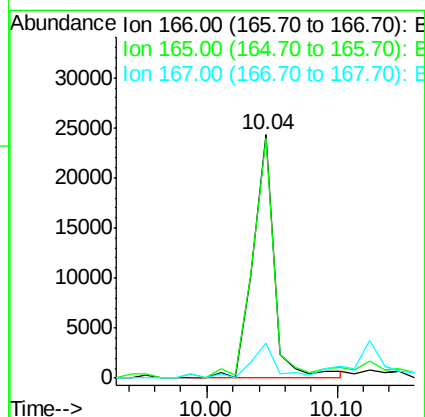
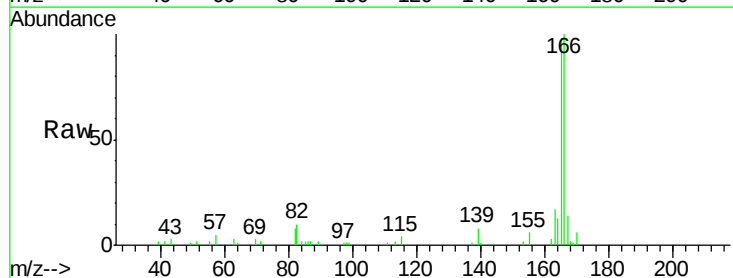
RT: 10.04 min Scan# 740

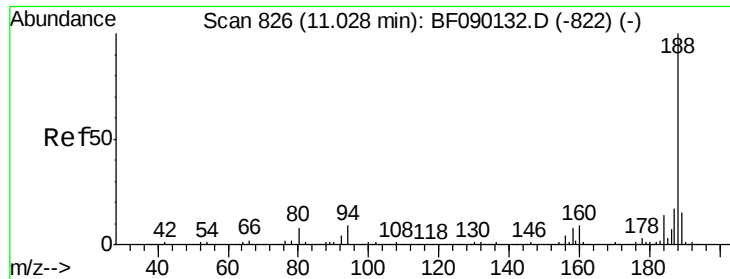
Delta R.T. -0.01 min

Lab File: BF090263.D

Acq: 27 Sep 2016 20:27

Tgt Ion:	166	Resp:	27452
Ion Ratio	Lower	Upper	
166	100		
165	98.4	78.5	117.7
167	14.5	11.2	16.8





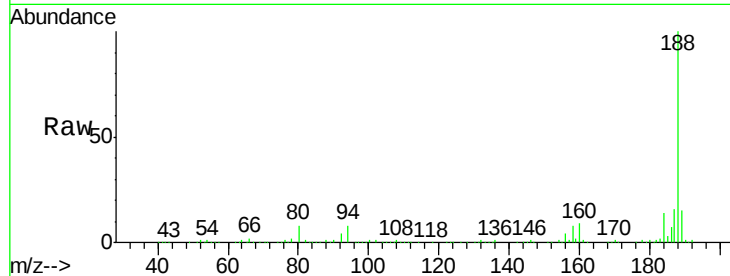
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.97 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF090263.D
Acq: 27 Sep 2016 20:27

Instrument :
BNA_F
ClientSampleId :
S-1-2-LOC-1(10-15)

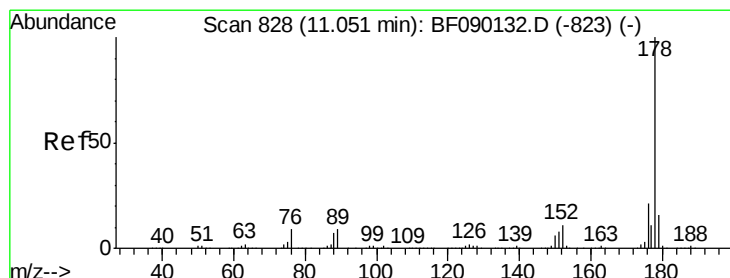
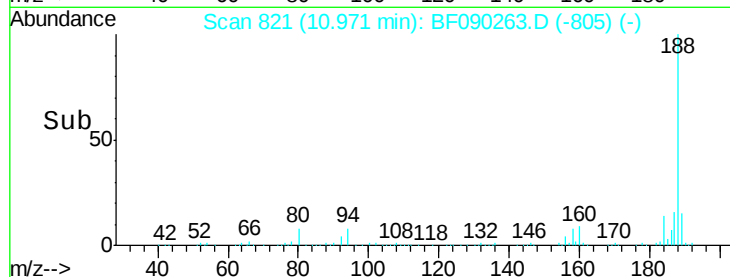
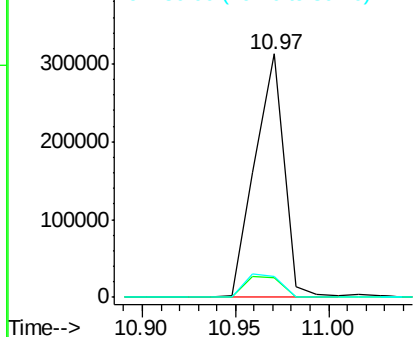
Tot Ion	Ratio	Resp	Lower	Upper
188	100	339139		
94	7.9	10.5	15.7#	
80	8.5	11.2	16.8#	

Manual Integrations
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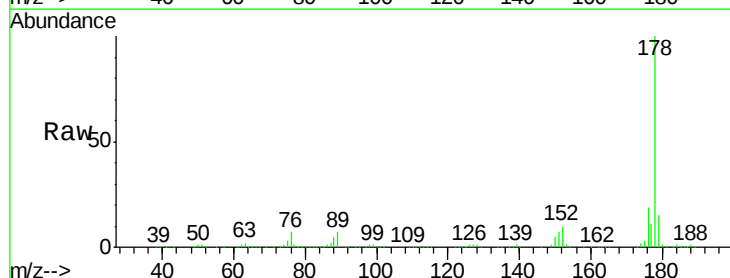


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

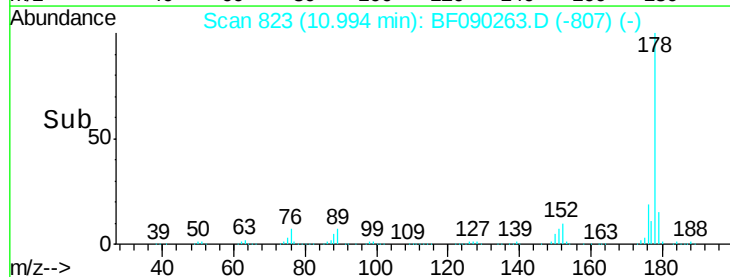
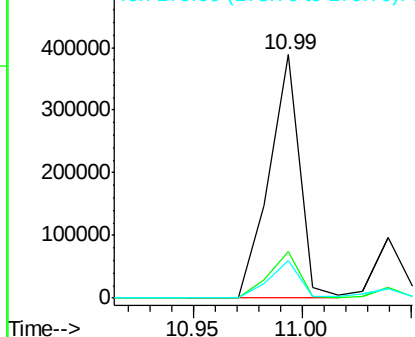


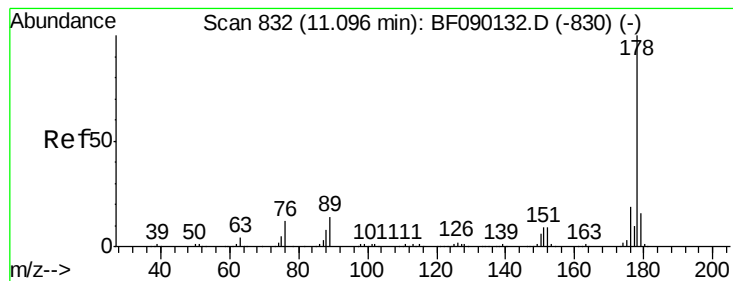
#70
Phenanthrene
Concen: 24.26 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF090263.D
Acq: 27 Sep 2016 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	384744		
176	19.0	15.9	23.9	
179	15.3	12.9	19.3	



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





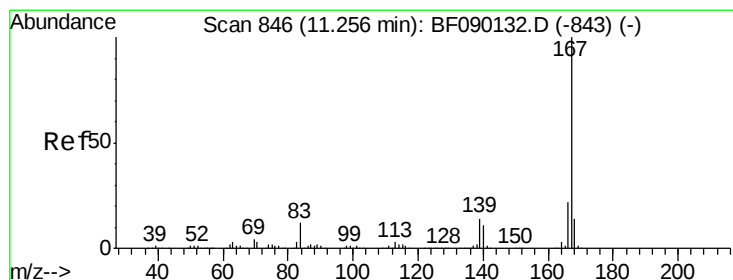
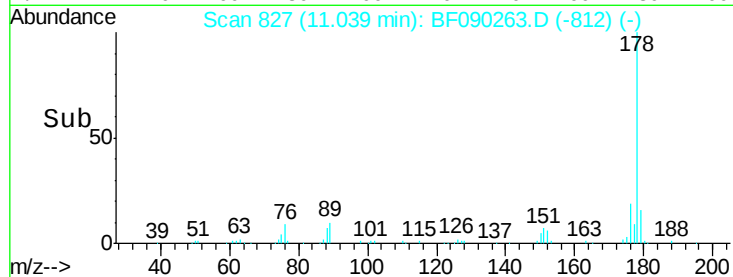
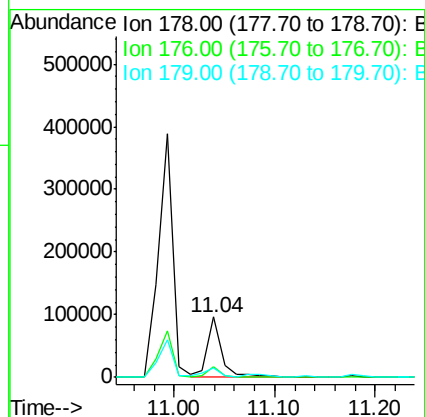
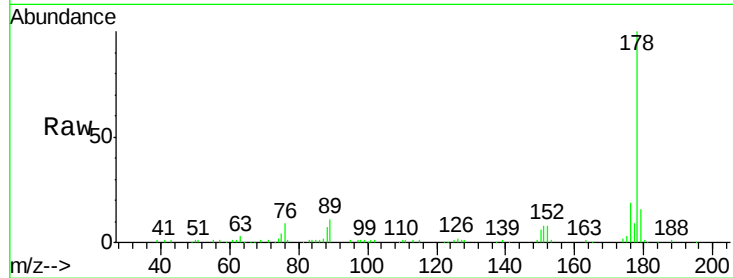
#71
 Anthracene
 Concen: 5.77 ng
 RT: 11.04 min Scan# 827
 Delta R.T. -0.02 min
 Lab File: BF090263.D
 Acq: 27 Sep 2016 20:27

Instrument :
 BNA_F
 ClientSampleId :
 S-1-2-LOC-1(10-15)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.6
179	15.8	12.6	19.0

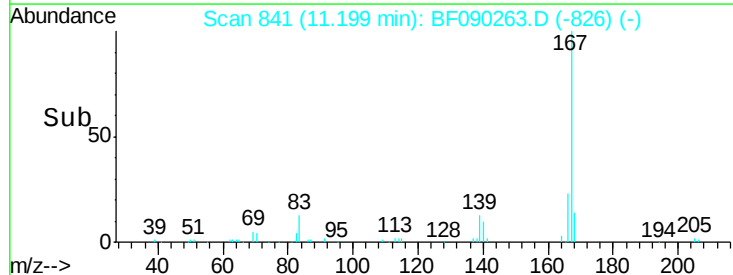
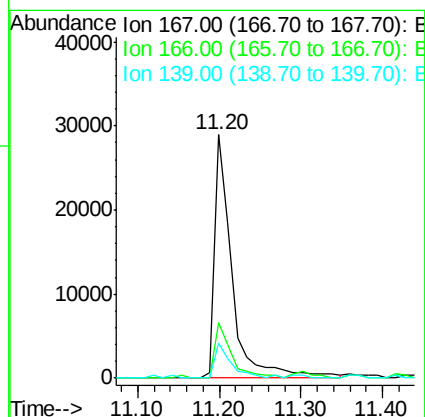
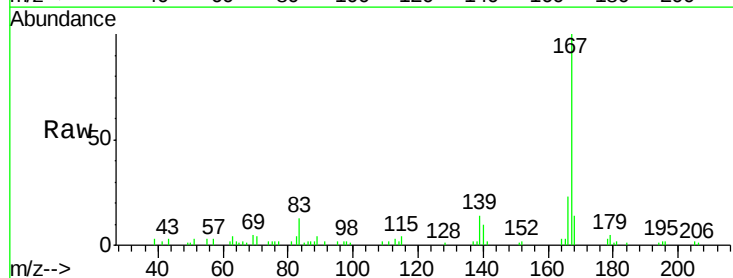
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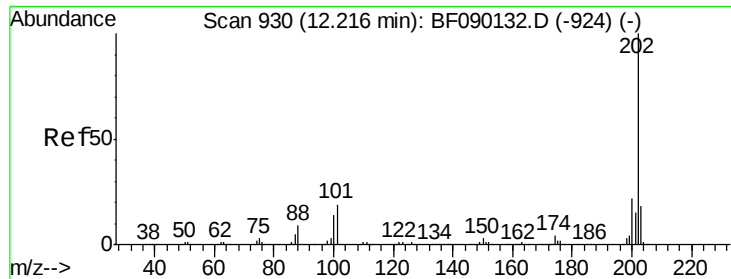
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#72
 Carbazole
 Concen: 2.48 ng
 RT: 11.20 min Scan# 841
 Delta R.T. -0.02 min
 Lab File: BF090263.D
 Acq: 27 Sep 2016 20:27

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.0	27.0
139	14.4	10.4	15.6





#74

Fluoranthene

Concen: 19.66 ng

RT: 12.16 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF090263.D

Acq: 27 Sep 2016 20:27

Instrument :

BNA_F

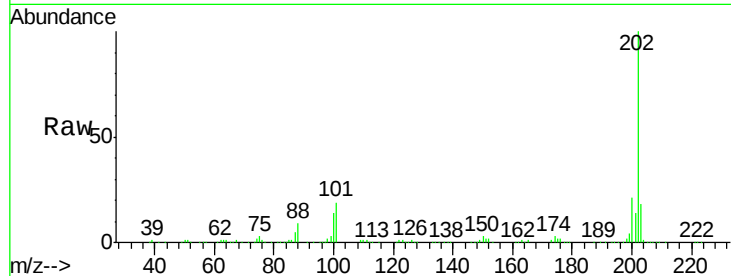
ClientSampleId :

S-1-2-LOC-1(10-15)

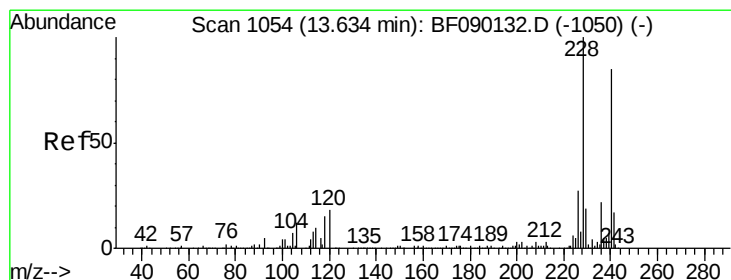
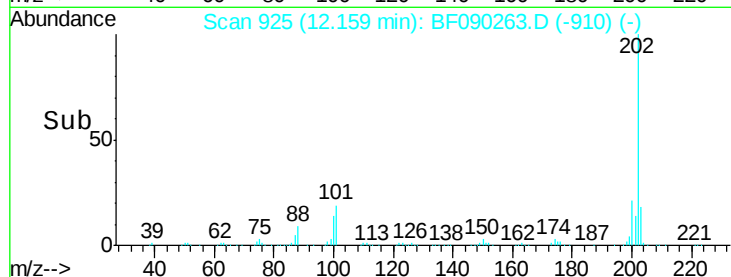
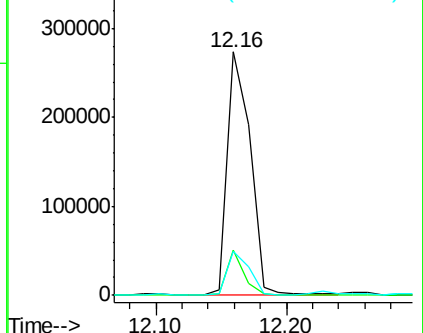
Tot Ion:	202	Resp:	334790
Ion Ratio	Lower	Upper	
202	100		
101	18.7	0.0	36.1
203	17.8	0.0	38.2

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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

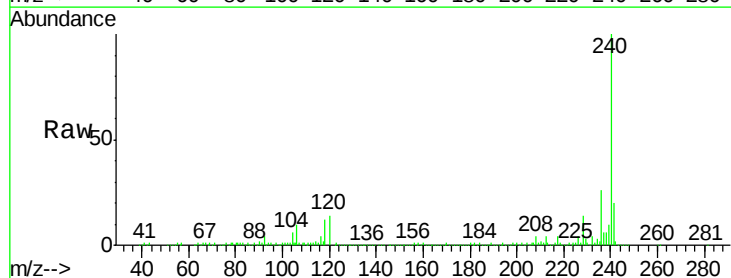
RT: 13.58 min Scan# 1049

Delta R.T. -0.02 min

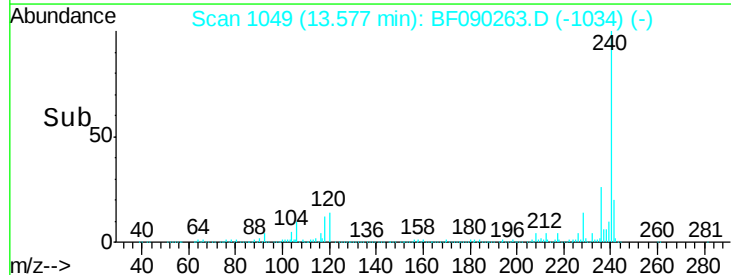
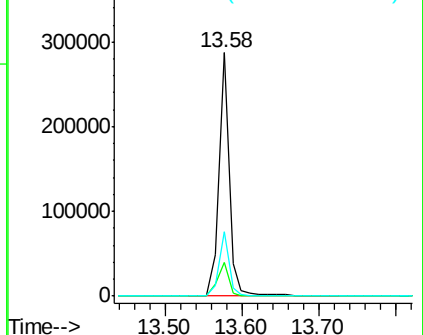
Lab File: BF090263.D

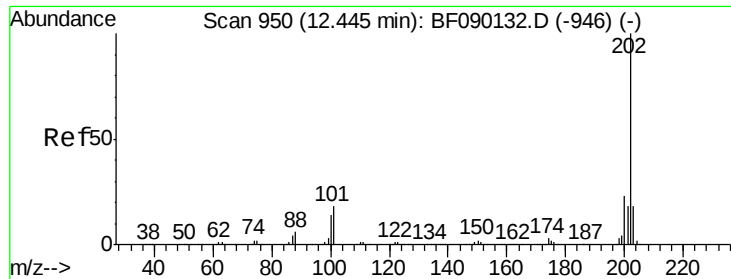
Acq: 27 Sep 2016 20:27

Tgt Ion:	240	Resp:	272031
Ion Ratio	Lower	Upper	
240	100		
120	14.1	10.6	16.0
236	26.2	21.6	32.4



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

Pvrene

Concen: 16.59 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090263.D

Acq: 27 Sep 2016 20:27

Instrument :

BNA_F

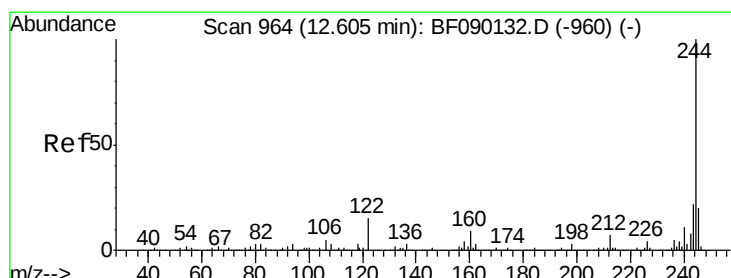
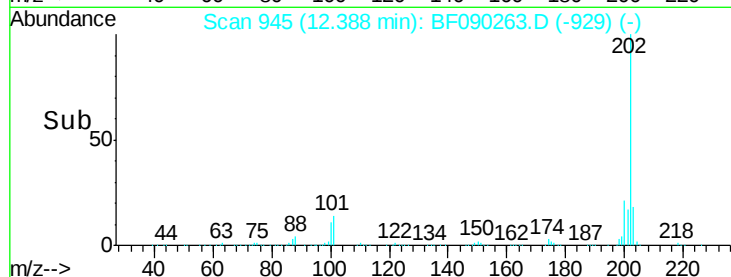
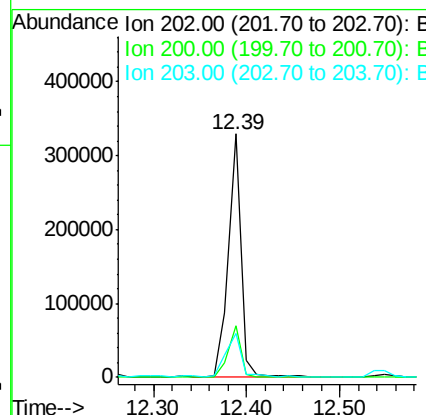
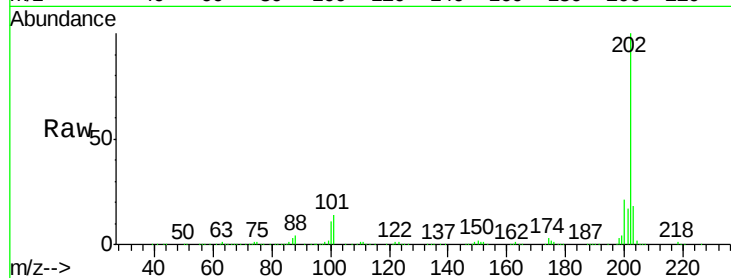
ClientSampleId :

S-1-2-LOC-1(10-15)

Tot Ion:	202	Resp:	308732
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.9	26.9
203	18.1	14.2	21.4

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#78

Terphenyl-d14

Concen: 58.55 ng

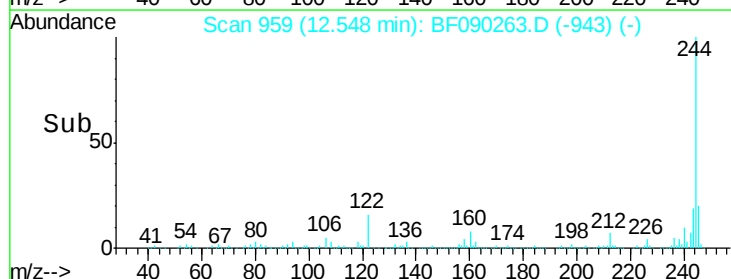
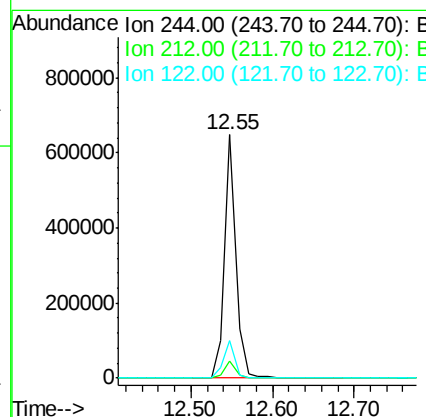
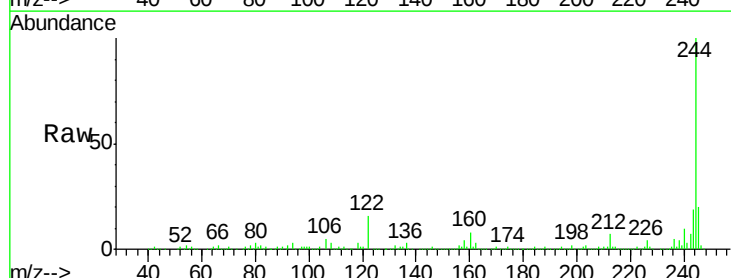
RT: 12.55 min Scan# 959

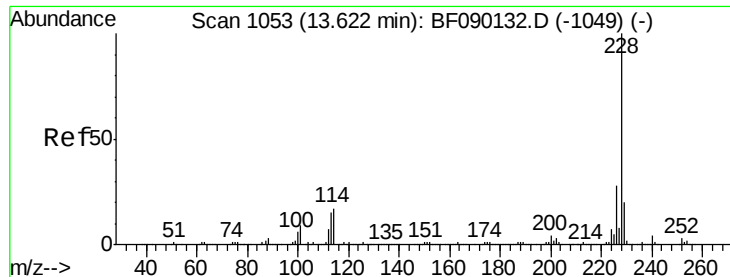
Delta R.T. -0.01 min

Lab File: BF090263.D

Acq: 27 Sep 2016 20:27

Tgt Ion:	244	Resp:	627301
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.8	8.8
122	15.7	9.4	14.0#





#80

Benzo(a)anthracene

Concen: 9.05 ng m

RT: 13.57 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF090263.D

Acq: 27 Sep 2016 20:27

Instrument :

BNA_F

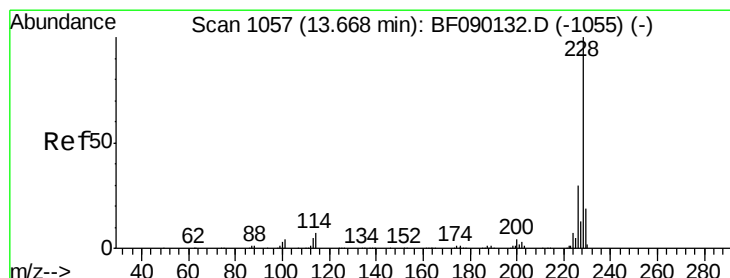
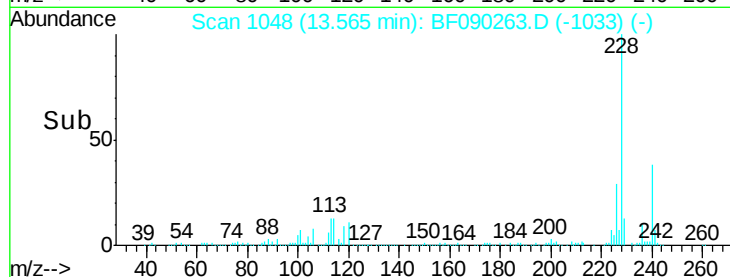
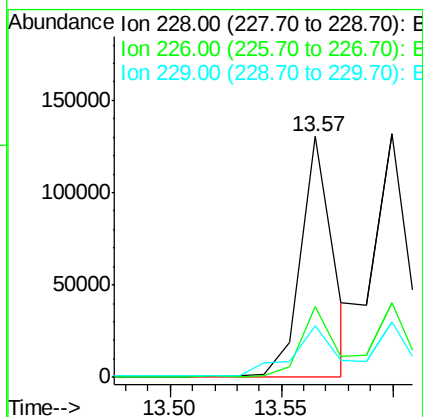
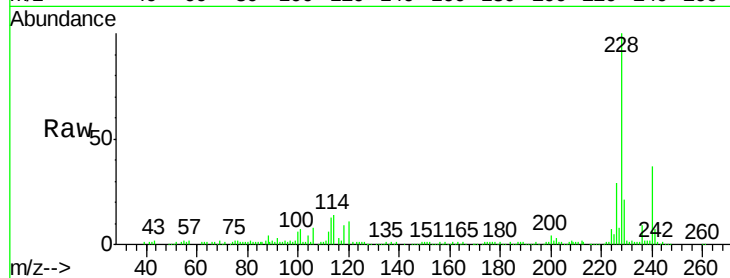
ClientSampleId :

S-1-2-LOC-1(10-15)

Tot Ion:228	Resp:	132484
Ion Ratio	Lower	Upper
228	100	
226	29.5	22.0 33.0
229	21.3	16.2 24.2

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#82

Chrysene

Concen: 10.26 ng m

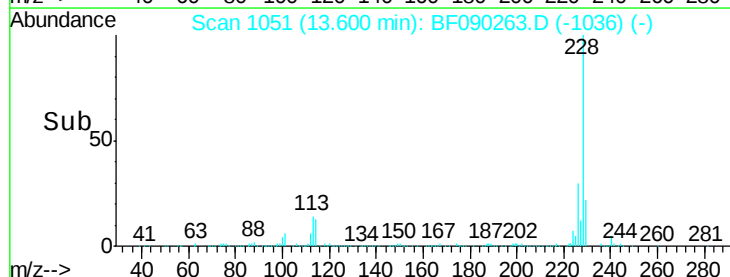
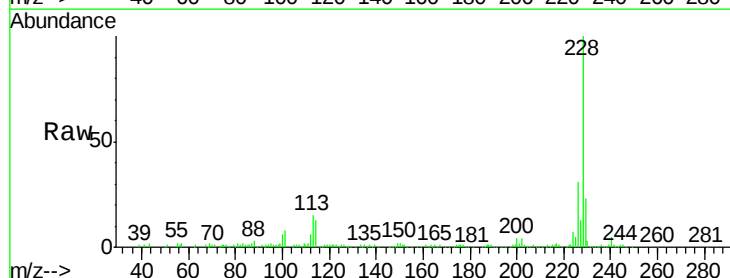
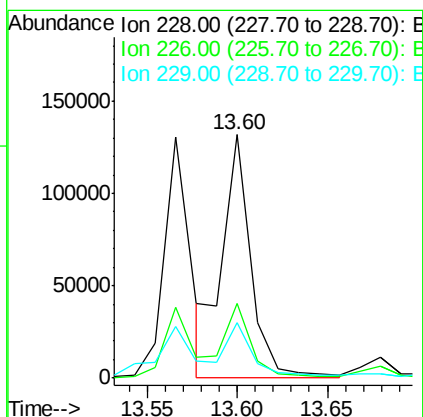
RT: 13.60 min Scan# 1051

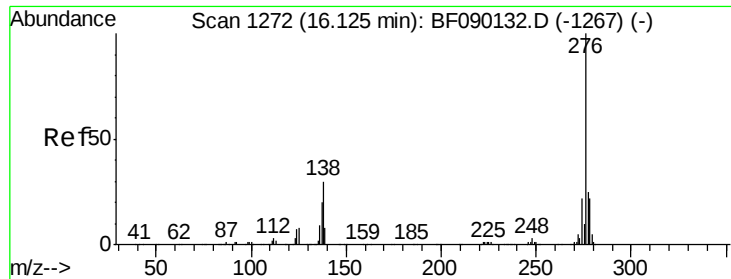
Delta R.T. -0.02 min

Lab File: BF090263.D

Acq: 27 Sep 2016 20:27

Tgt Ion:228	Resp:	146232
Ion Ratio	Lower	Upper
228	100	
226	30.5	24.6 37.0
229	22.8	16.2 24.4





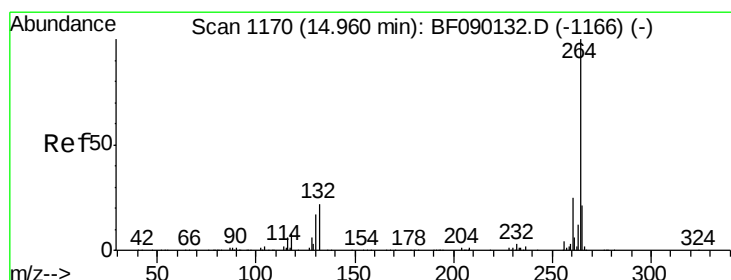
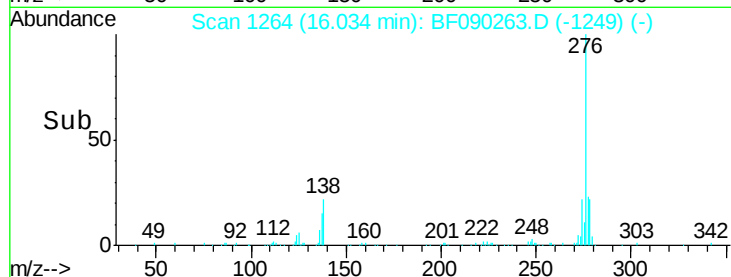
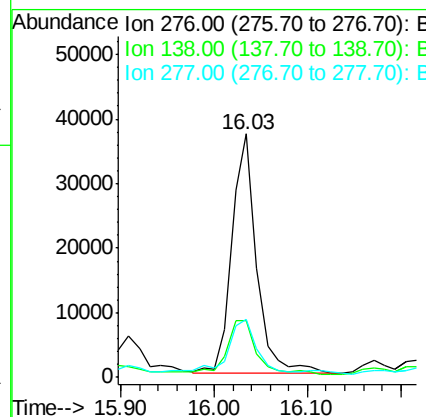
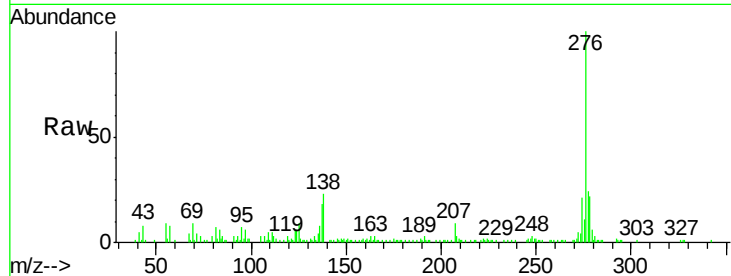
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.95 ng
RT: 16.03 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BF090263.D
Acq: 27 Sep 2016 20:27

Instrument :
BNA_F
ClientSampleId :
S-1-2-LOC-1(10-15)

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.3	25.9	38.9
277	25.5	19.9	29.9

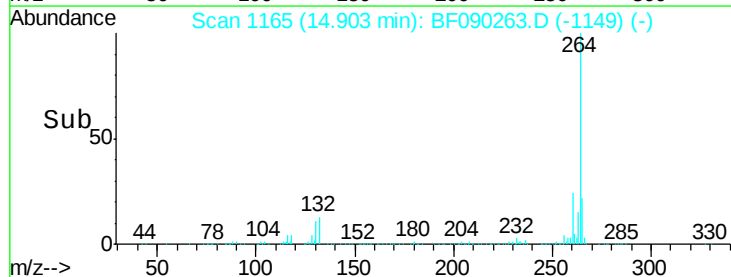
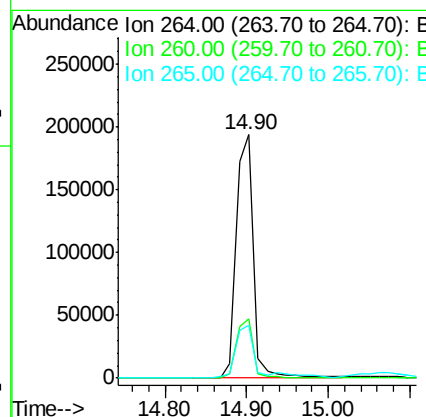
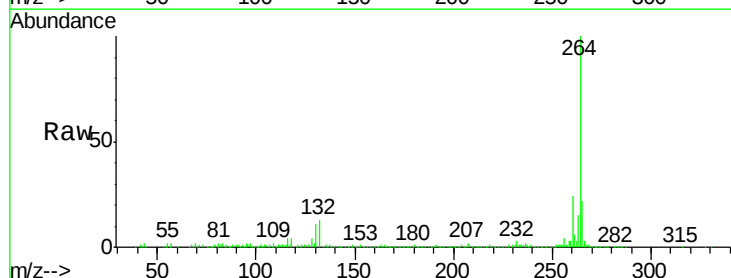
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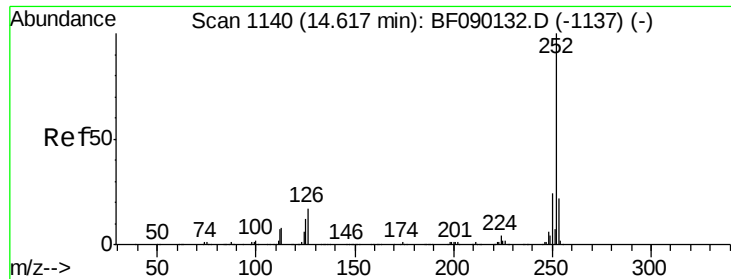
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#86
Perylene-d12
Concen: 20.00 ng
RT: 14.90 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF090263.D
Acq: 27 Sep 2016 20:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.0	17.0	25.4





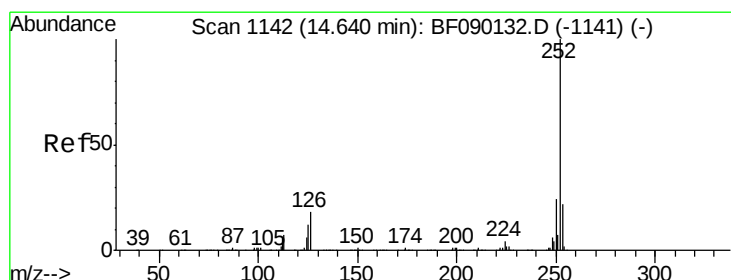
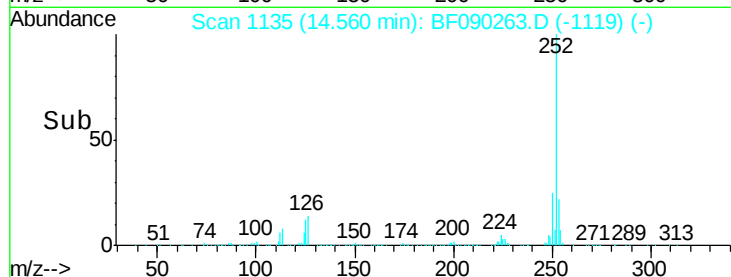
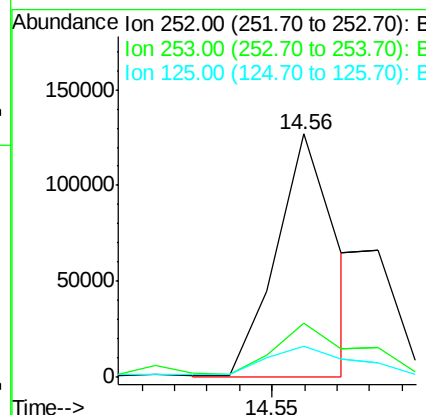
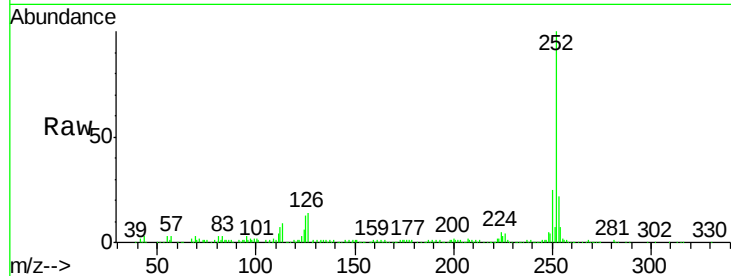
#87
Benzo(b)fluoranthene
Concen: 10.34 ng m
RT: 14.56 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF090263.D
Acq: 27 Sep 2016 20:27

Instrument :
BNA_F
ClientSampleId :
S-1-2-LOC-1(10-15)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	13.0	12.7	19.1

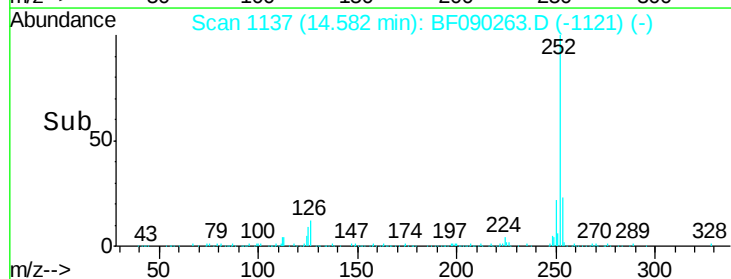
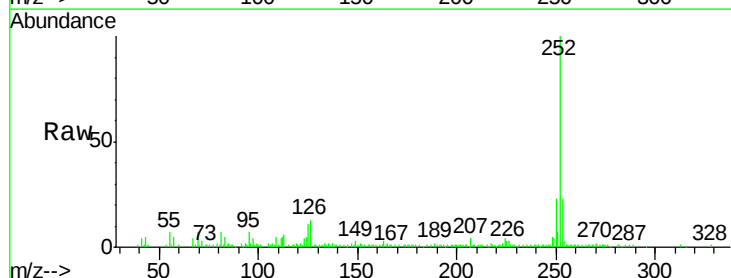
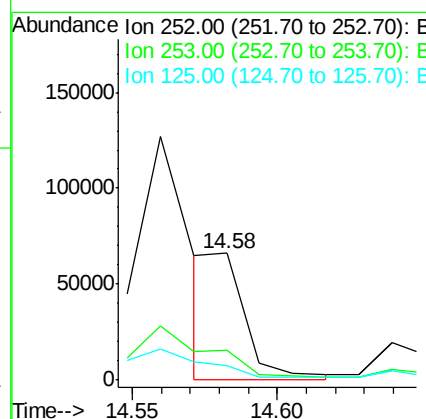
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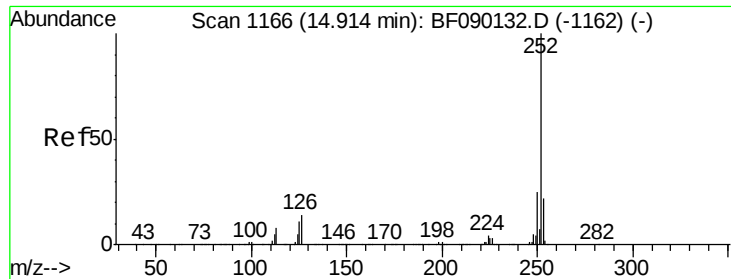
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#88
Benzo(k)fluoranthene
Concen: 3.78 ng m
RT: 14.58 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF090263.D
Acq: 27 Sep 2016 20:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	11.0	7.8	11.6





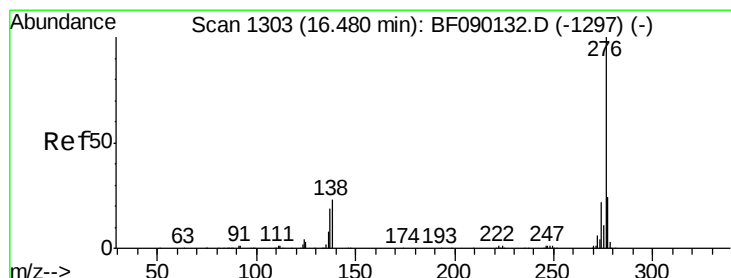
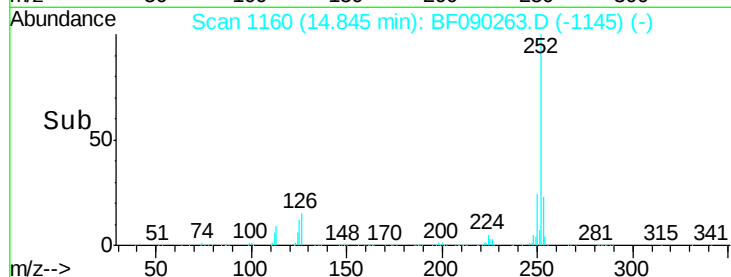
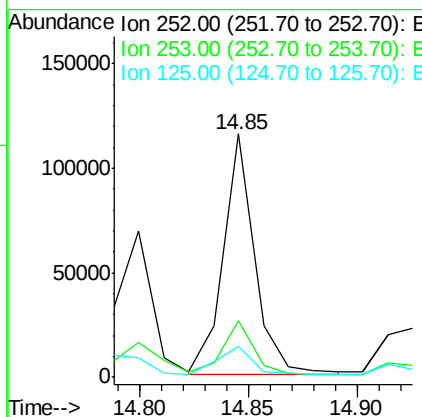
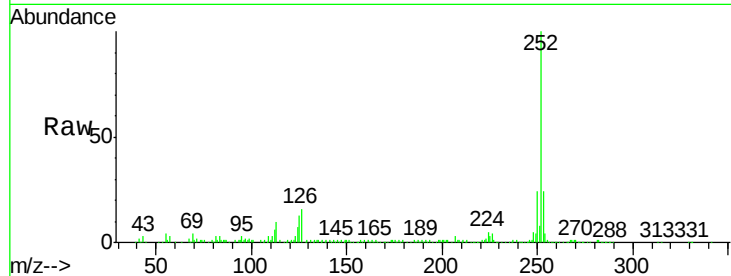
#89
Benzo(a)pyrene
Concen: 7.84 ng
RT: 14.85 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BF090263.D
Acq: 27 Sep 2016 20:27

Instrument :
BNA_F
ClientSampleId :
S-1-2-LOC-1(10-15)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	12.7	7.7	11.5

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.36 ng
RT: 16.37 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BF090263.D
Acq: 27 Sep 2016 20:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.9	28.3
138	26.2	23.3	34.9

