

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
 Data File : BF090273.D
 Acq On : 28 Sep 2016 00:59
 Operator : UM/SJ
 Sample : H4949-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-6-2-LOC-6(10-15)

Manual Integrations
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Quant Time: Sep 28 02:03:40 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	133309	20.00	ng	0.00
21) Naphthalene-d8	7.76	136	508161	20.00	ng	-0.01
38) Acenaphthene-d10	9.51	164	266968	20.00	ng	0.00
63) Phenanthrene-d10	10.97	188	345349	20.00	ng	-0.01
75) Chrysene-d12	13.60	240	246121	20.00	ng	0.00
86) Perylene-d12	14.91	264	251854	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	739888	90.47	ng	0.01
7) Phenol-d6	6.14	99	989947	98.01	ng	0.00
23) Nitrobenzene-d5	7.05	82	583995	66.62	ng	-0.01
41) 2,4,6-Tribromophenol	10.28	330	164969	72.03	ng	-0.01
44) 2-Fluorobiphenyl	8.84	172	910711	66.97	ng	-0.01
78) Terphenyl-d14	12.56	244	542765	55.99	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.78	128	311377	12.87	ng	99
37) 2-Methylnaphthalene	8.47	142	141842	9.43	ng	100
45) 1,1'-Biphenyl	8.94	154	95695	5.01	ng	96
48) Acenaphthylene	9.36	152	108763	4.75	ng	# 96
49) Dimethylphthalate	9.24	163	325981	19.17	ng	100
51) Acenaphthene	9.54	154	582217	42.86	ng	98
54) Dibenzofuran	9.71	168	664654	37.18	ng	93
57) Fluorene	10.04	166	847666	62.92	ng	99
70) Phenanthrene	11.02	178	3302741	204.49	ng	98
71) Anthracene	11.06	178	1469256	86.73	ng	100
72) Carbazole	11.21	167	374889	20.93	ng	98
74) Fluoranthene	12.19	202	2983299	172.08	ng	97
77) Pvrene	12.41	202	2534883	150.51	ng	# 92
80) Benzo(a)anthracene	13.59	228	1452704	109.71	ng	98
82) Chrysene	13.62	228	1202220m	93.21	ng	
85) Indeno(1,2,3-cd)pyrene	16.06	276	473106	45.36	ng	# 90
87) Benzo(b)fluoranthene	14.58	252	1363156m	97.74	ng	
88) Benzo(k)fluoranthene	14.59	252	395619m	30.23	ng	
89) Benzo(a)pvrene	14.87	252	979833m	74.69	ng	
90) Dibenzo(a,h)anthracene	16.07	278	156961	15.33	ng	96
91) Benzo(q,h,i)perylene	16.40	276	392579	39.18	ng	95

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

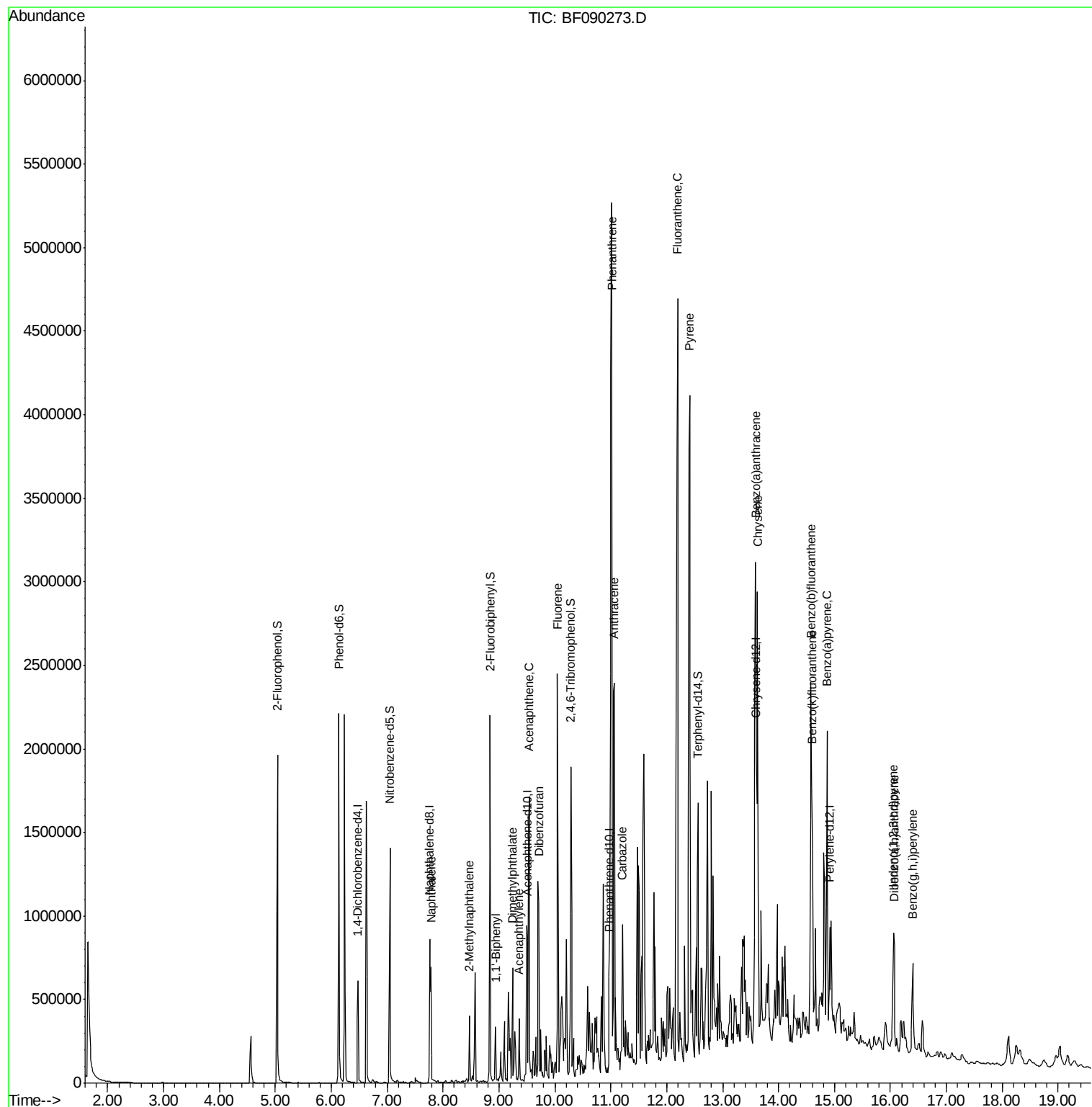
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\
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#1

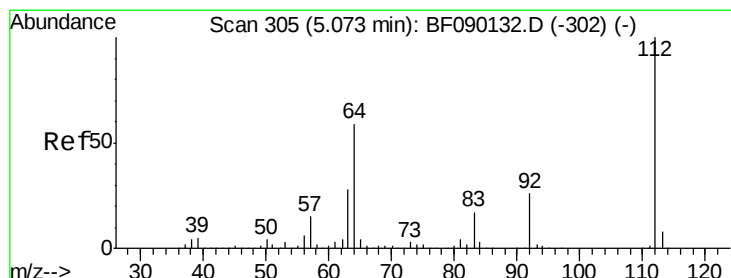
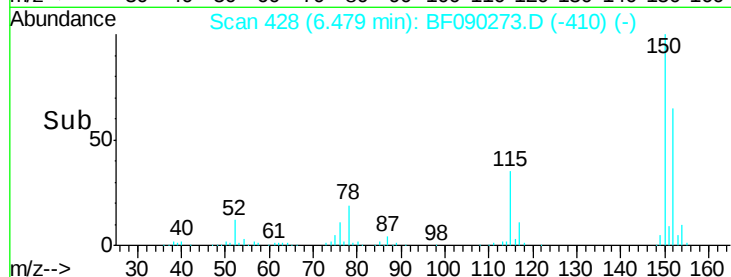
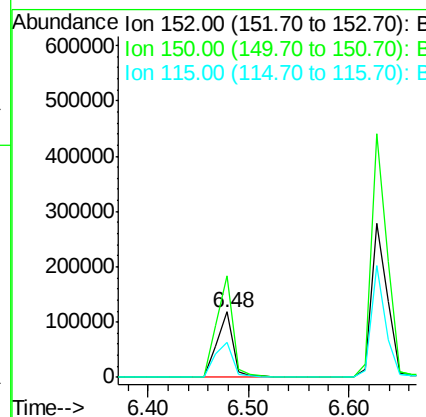
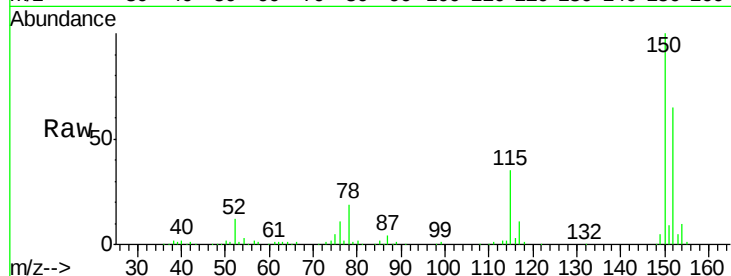
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.48 min Scan# 428
Delta R.T. 0.00 min
Lab File: BF090273.D
Acq: 28 Sep 2016 00:59

Instrument :
BNA_F
ClientSampleId :
S-6-2-LOC-6(10-15)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	128.9	193.3
115	53.6	55.5	83.3

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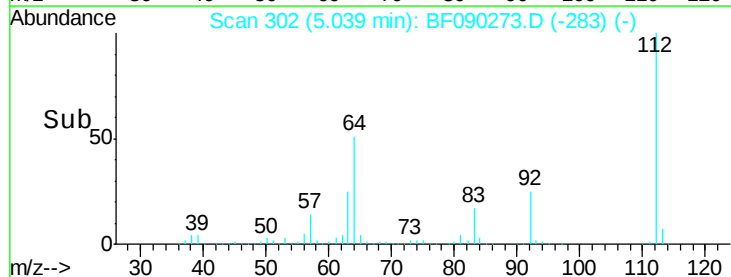
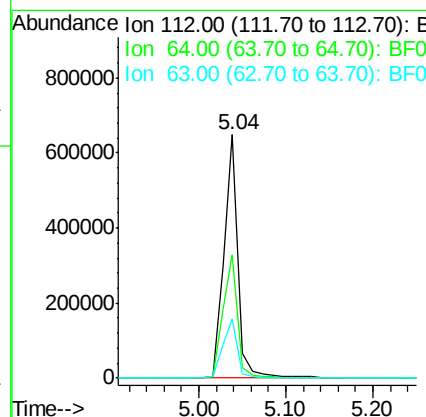
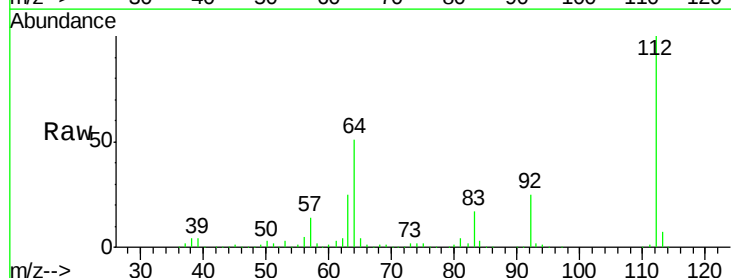
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#5

2-Fluorophenol
Concen: 90.47 ng
RT: 5.04 min Scan# 302
Delta R.T. 0.01 min
Lab File: BF090273.D
Acq: 28 Sep 2016 00:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.6	39.8	59.6
63	24.5	18.9	28.3





#7

Phenol-d6

Concen: 98.01 ng

RT: 6.14 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF090273.D

Acq: 28 Sep 2016 00:59

Instrument :

BNA_F

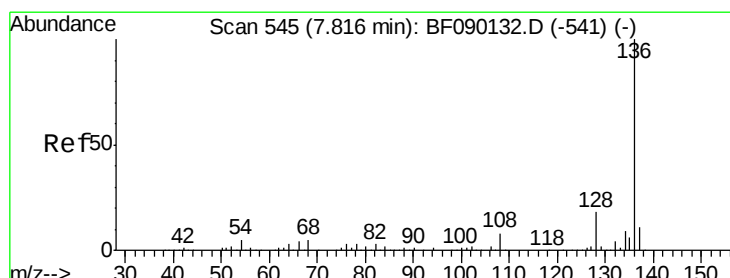
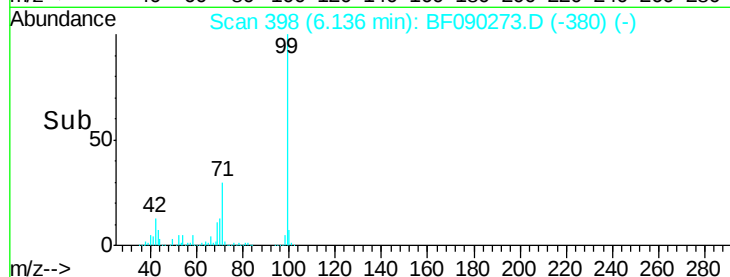
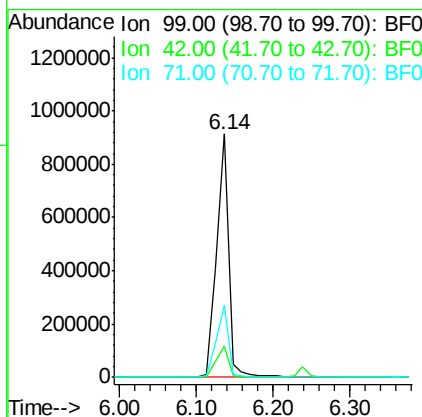
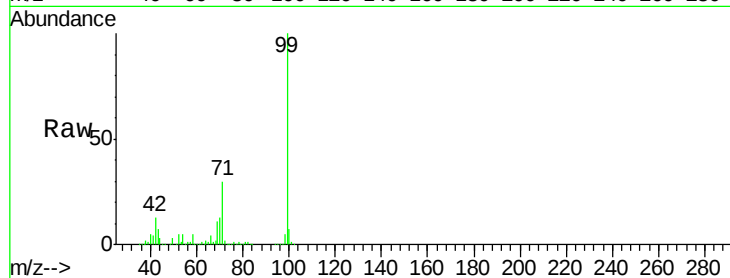
ClientSampleId :

S-6-2-LOC-6(10-15)

Tot Ion:	99	Resp:	989947
Ion	Ratio	Lower	Upper
99	100		
42	12.7	10.6	15.8
71	29.7	23.0	34.6

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#21

Naphthalene-d8

Concen: 20.00 ng

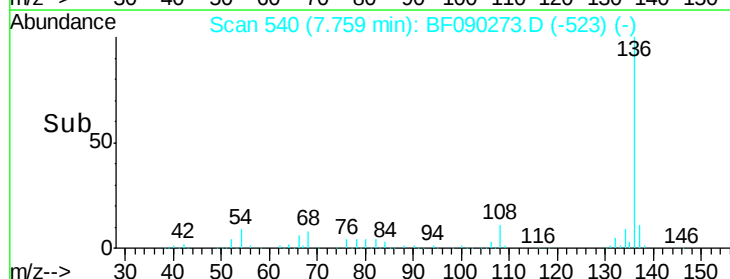
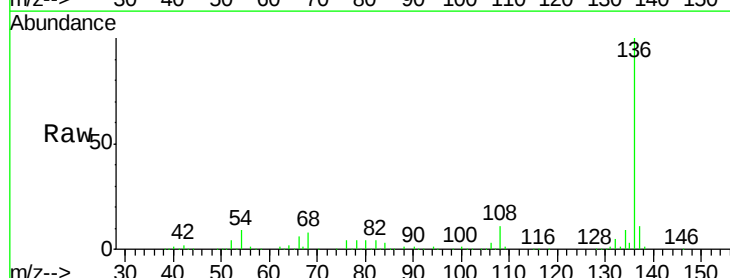
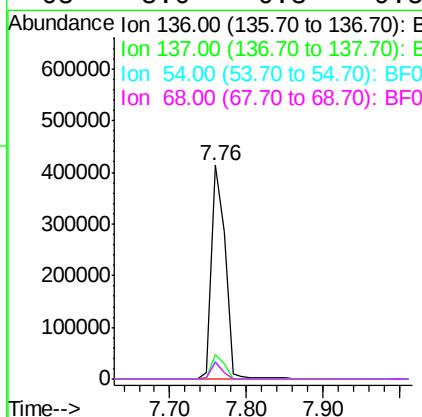
RT: 7.76 min Scan# 540

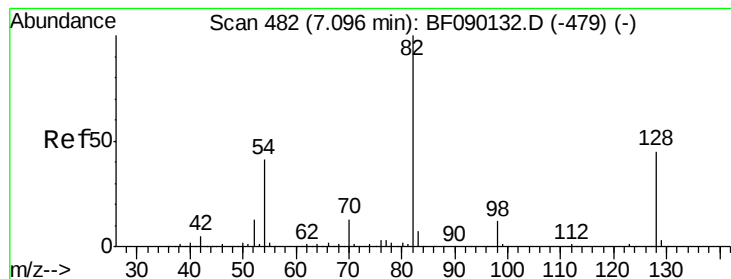
Delta R.T. -0.01 min

Lab File: BF090273.D

Acq: 28 Sep 2016 00:59

Tgt Ion:	136	Resp:	508161
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	8.6	6.4	9.6
68	8.0	6.3	9.5





#23

Nitrobenzene-d5

Concen: 66.62 ng

RT: 7.05 min Scan# 478

Delta R.T. -0.01 min

Lab File: BF090273.D

Acq: 28 Sep 2016 00:59

Instrument :

BNA_F

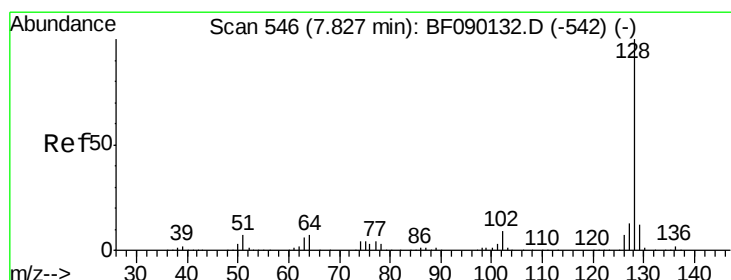
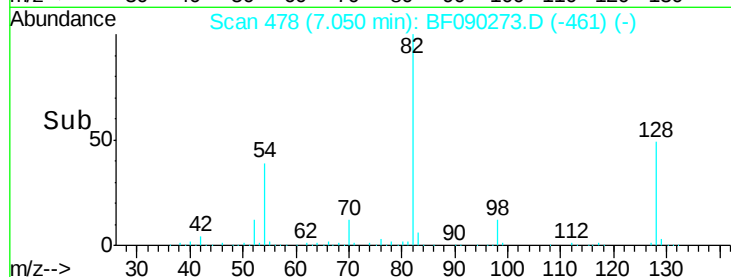
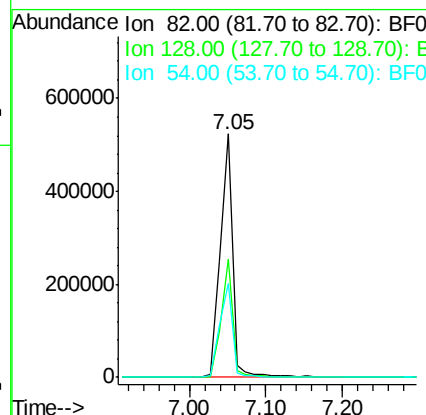
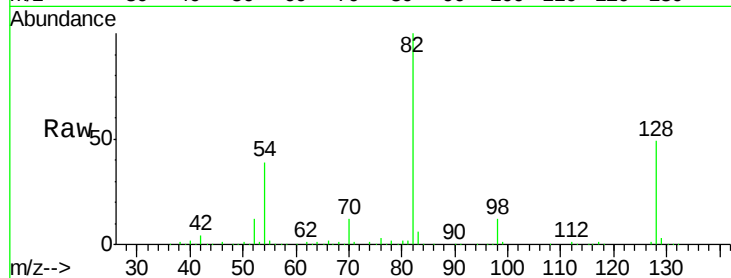
ClientSampleId :

S-6-2-LOC-6(10-15)

Tot Ion:	82	Resp:	583995
Ion Ratio	Lower	Upper	
82	100		
128	48.8	37.5	56.3
54	38.7	31.9	47.9

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#31

Naphthalene

Concen: 12.87 ng

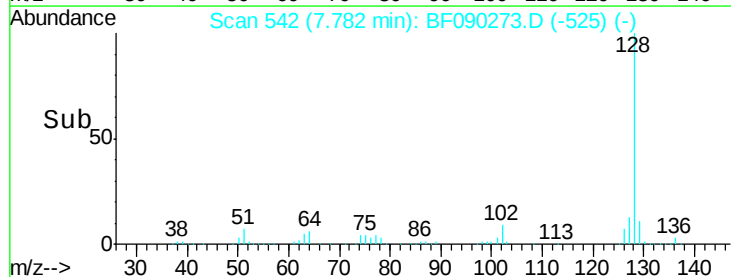
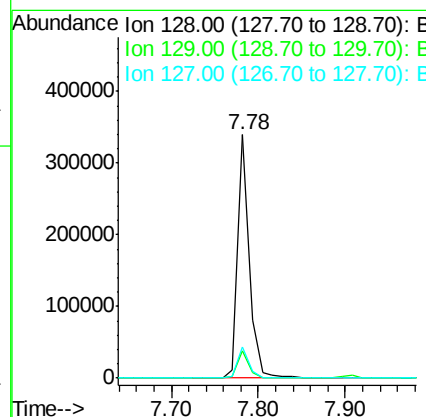
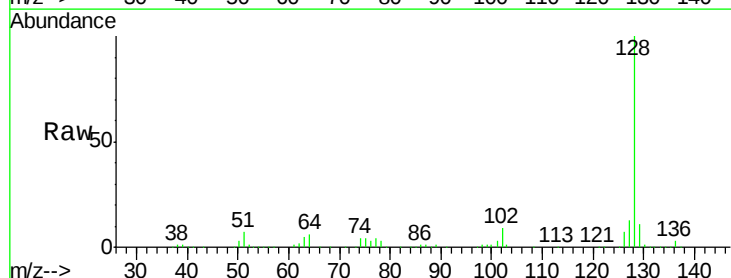
RT: 7.78 min Scan# 542

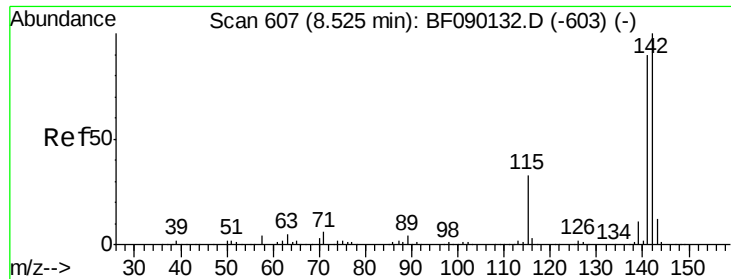
Delta R.T. -0.01 min

Lab File: BF090273.D

Acq: 28 Sep 2016 00:59

Tgt Ion:	128	Resp:	311377
Ion Ratio	Lower	Upper	
128	100		
129	11.3	9.3	13.9
127	13.0	10.8	16.2





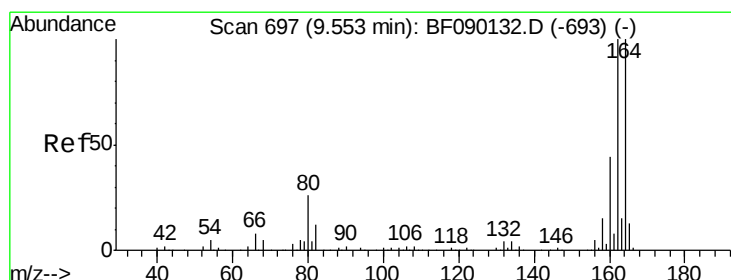
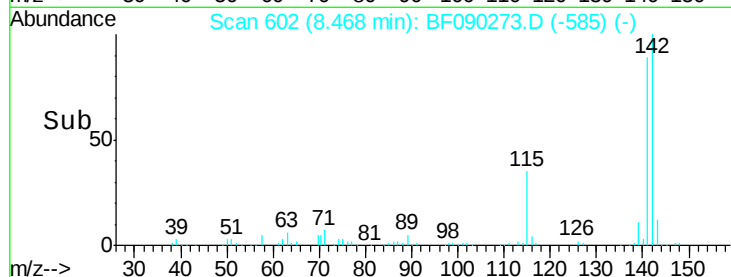
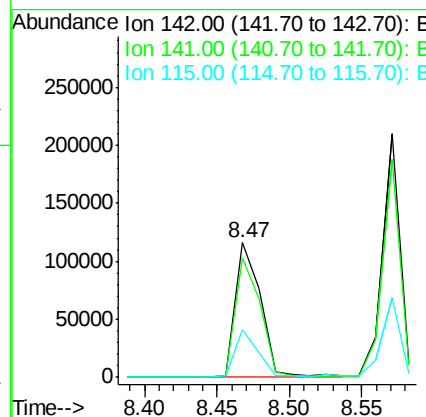
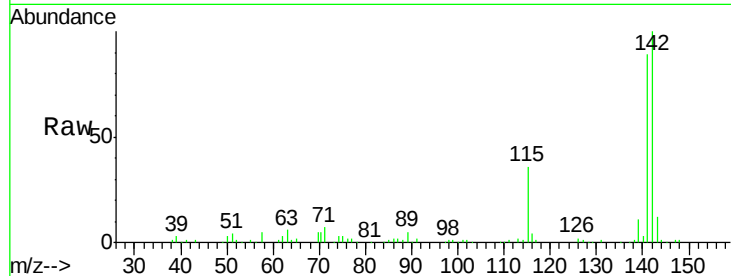
#37
 2-Methylnaphthalene
 Concen: 9.43 ng
 RT: 8.47 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF090273.D
 Acq: 28 Sep 2016 00:59

Instrument :
 BNA_F
 ClientSampleId :
 S-6-2-LOC-6(10-15)

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.4	107.2
115	35.9	28.3	42.5

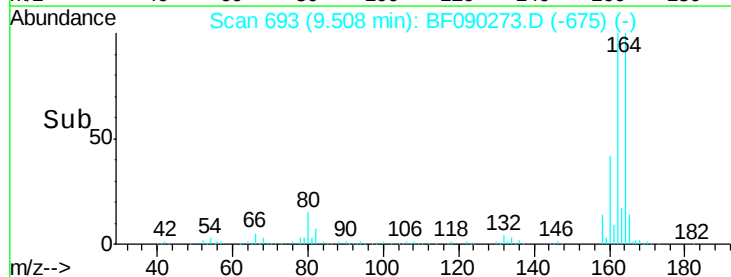
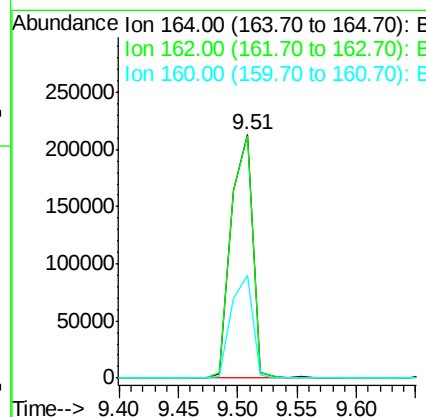
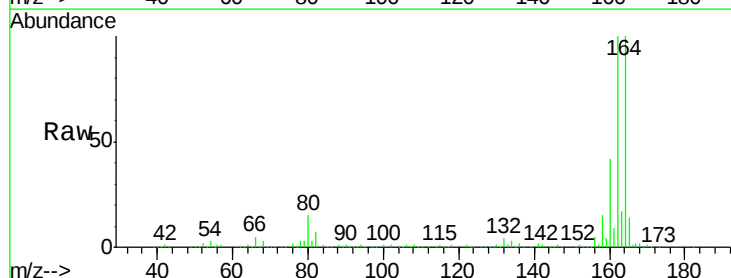
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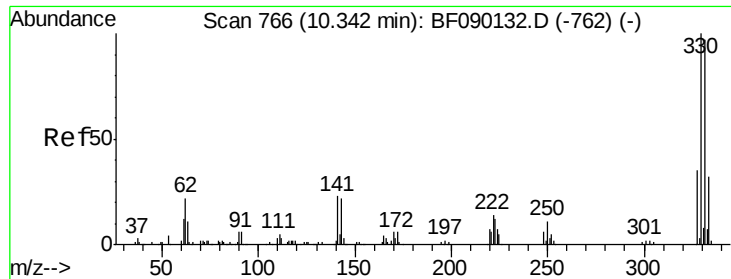
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.51 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: BF090273.D
 Acq: 28 Sep 2016 00:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.8	81.4	122.2
160	42.4	36.6	54.8





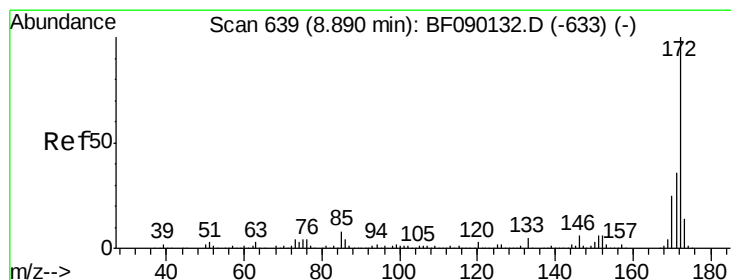
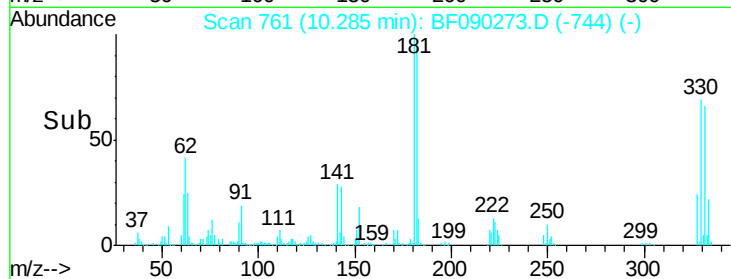
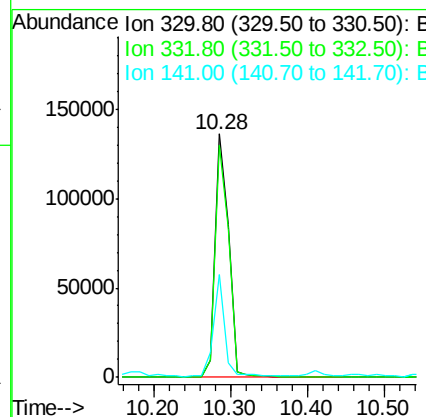
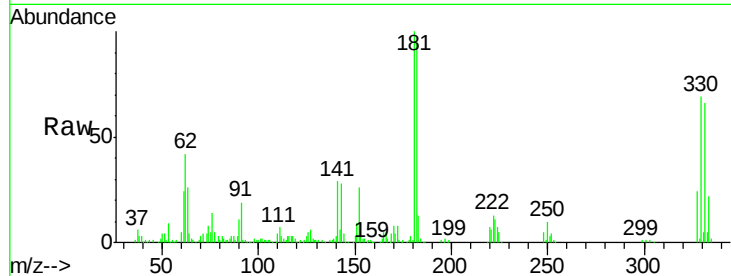
#41
 2,4,6-Tribromophenol
 Concen: 72.03 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF090273.D
 Acq: 28 Sep 2016 00:59

Instrument :
 BNA_F
 ClientSampleId :
 S-6-2-LOC-6(10-15)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	164969		
332	96.0		78.1	117.1
141	34.3		23.9	35.9

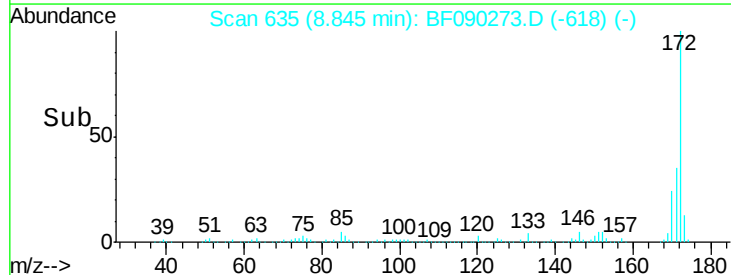
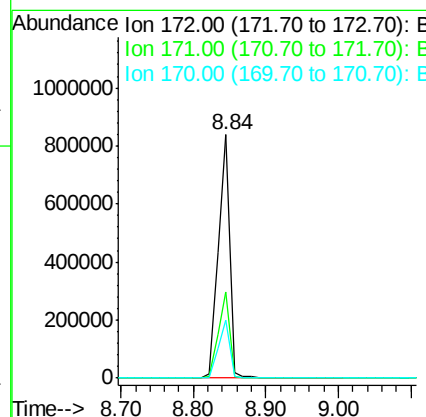
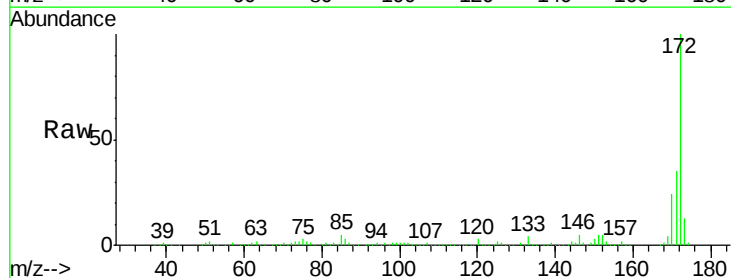
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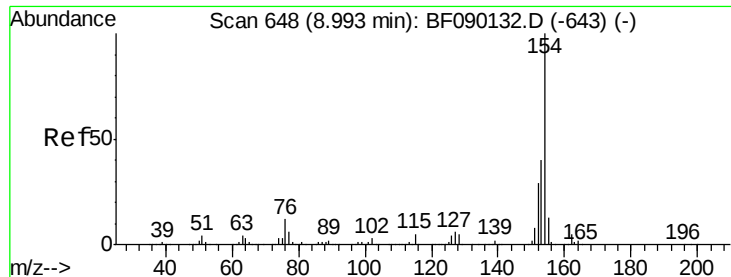
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#44
 2-Fluorobiphenyl
 Concen: 66.97 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF090273.D
 Acq: 28 Sep 2016 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	910711		
171	35.4		29.2	43.8
170	23.6		19.8	29.8





#45

1,1'-Biphenyl

Concen: 5.01 ng

RT: 8.94 min Scan# 643

Delta R.T. -0.01 min

Lab File: BF090273.D

Acq: 28 Sep 2016 00:59

Instrument :

BNA_F

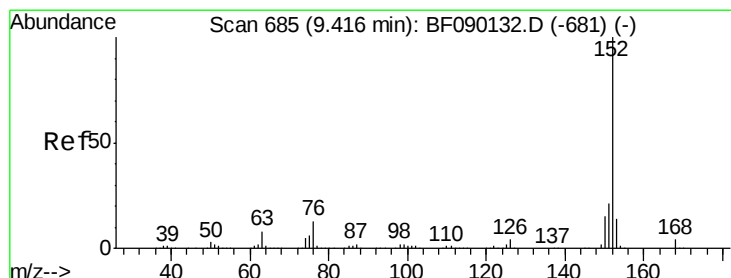
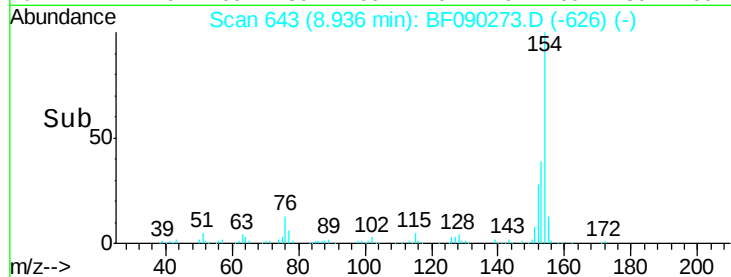
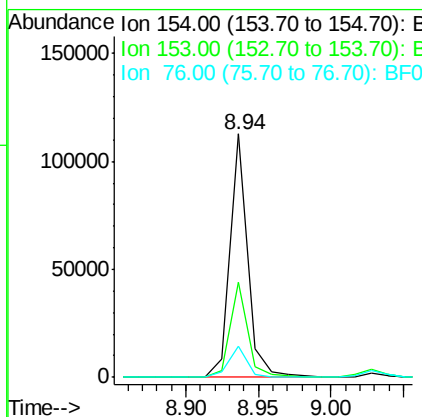
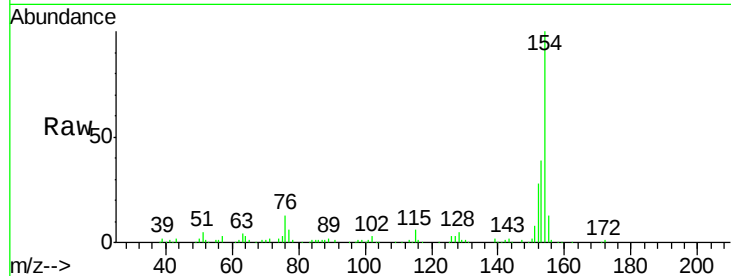
ClientSampleId :

S-6-2-LOC-6(10-15)

Tot Ion:	154	Resp:	95695
Ion Ratio	Lower	Upper	
154	100		
153	39.2	20.6	60.6
76	13.0	0.0	36.7

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#48

Acenaphthylene

Concen: 4.75 ng

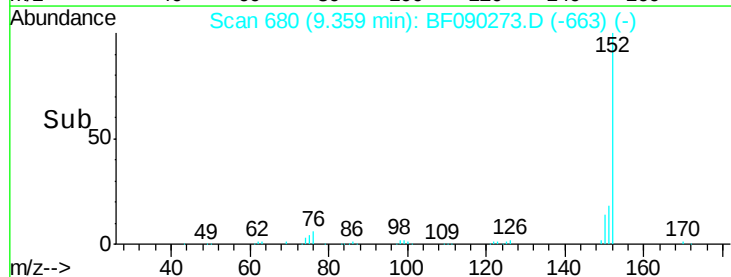
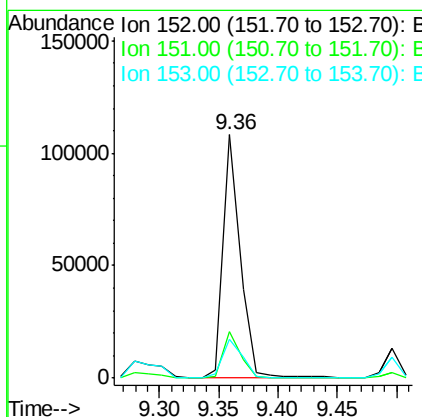
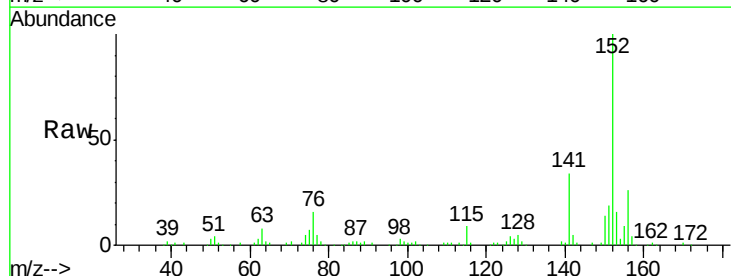
RT: 9.36 min Scan# 680

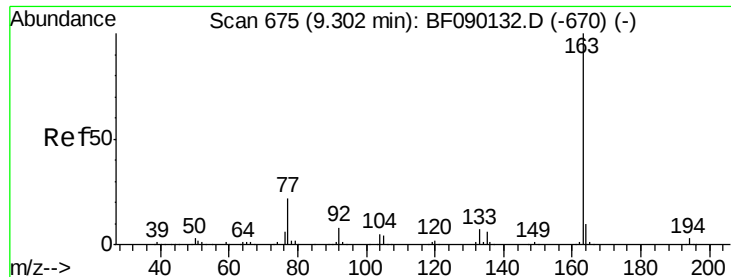
Delta R.T. -0.01 min

Lab File: BF090273.D

Acq: 28 Sep 2016 00:59

Tgt Ion:	152	Resp:	108763
Ion Ratio	Lower	Upper	
152	100		
151	19.3	16.5	24.7
153	16.0	10.6	15.8#





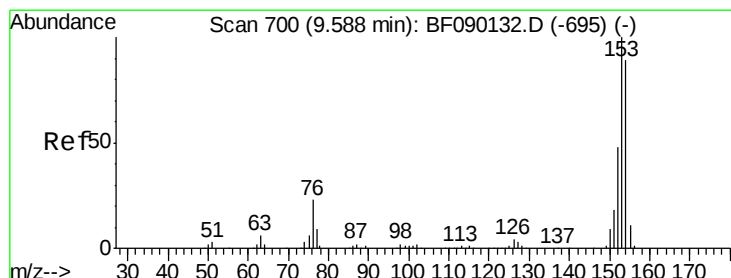
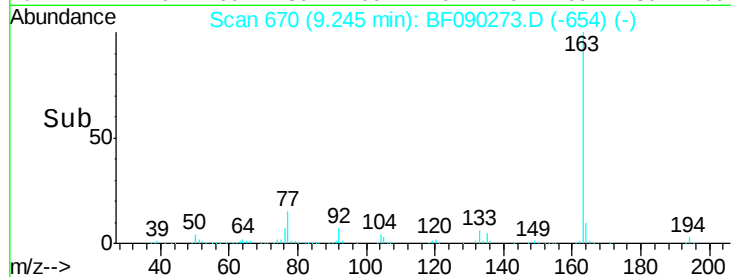
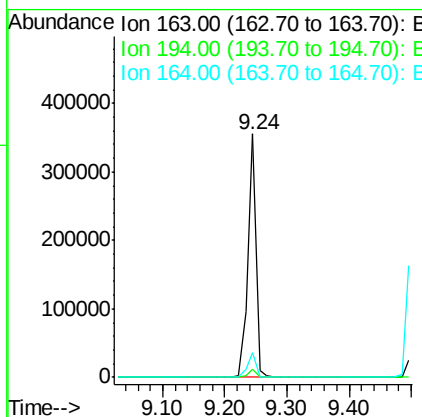
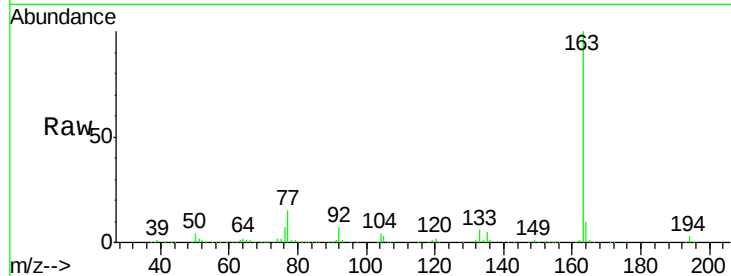
#49
Dimethylphthalate
Concen: 19.17 ng
RT: 9.24 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF090273.D
Acq: 28 Sep 2016 00:59

Instrument :
BNA_F
ClientSampleId :
S-6-2-LOC-6(10-15)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	325981		
194	3.3		2.8	4.2
164	9.9		8.1	12.1

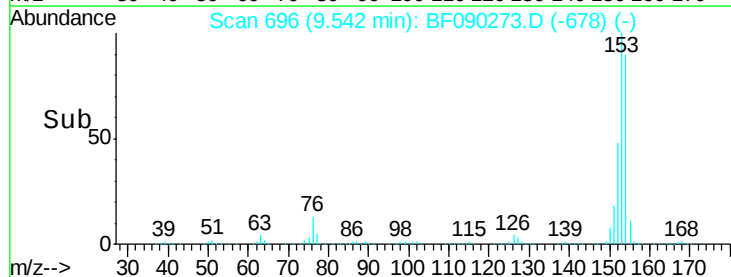
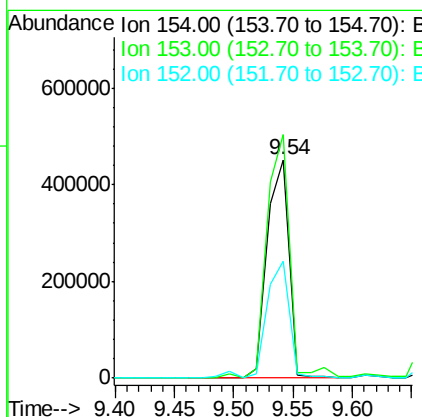
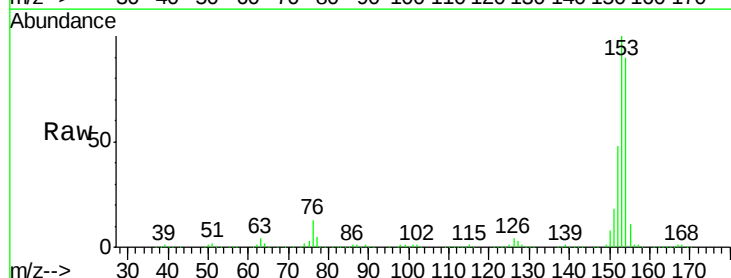
Manual Integrations
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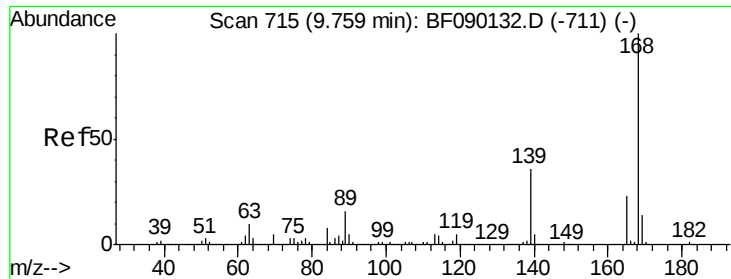
sohil
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#51
Acenaphthene
Concen: 42.86 ng
RT: 9.54 min Scan# 696
Delta R.T. 0.00 min
Lab File: BF090273.D
Acq: 28 Sep 2016 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	582217		
153	111.5		90.8	136.2
152	53.5		44.2	66.4





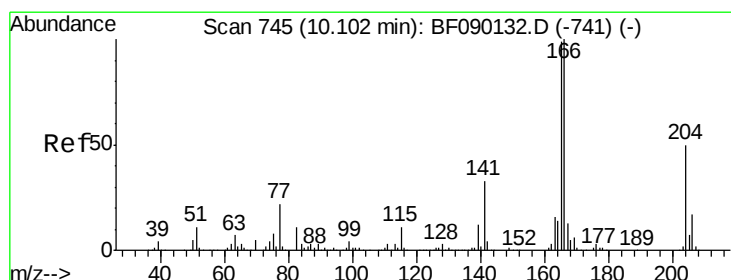
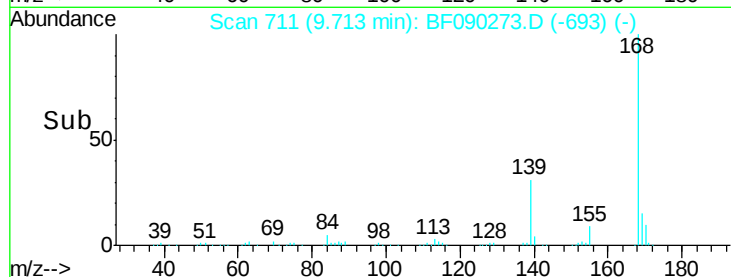
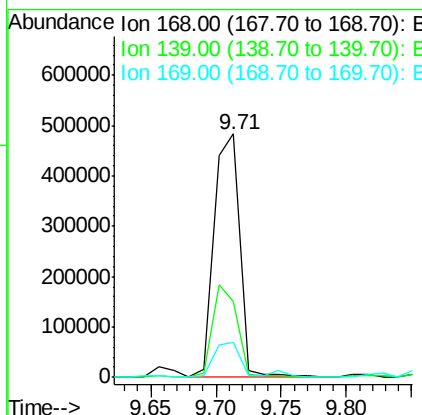
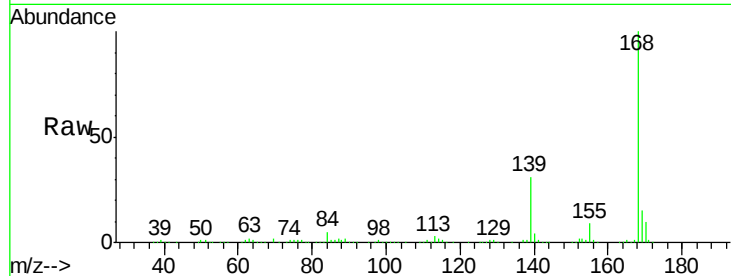
#54
Dibenzofuran
Concen: 37.18 ng
RT: 9.71 min Scan# 711
Delta R.T. 0.00 min
Lab File: BF090273.D
Acq: 28 Sep 2016 00:59

Instrument :
BNA_F
ClientSampleId :
S-6-2-LOC-6(10-15)

Tot Ion	Ratio	Lower	Upper
168	100		
139	31.2	28.8	43.2
169	14.6	10.7	16.1

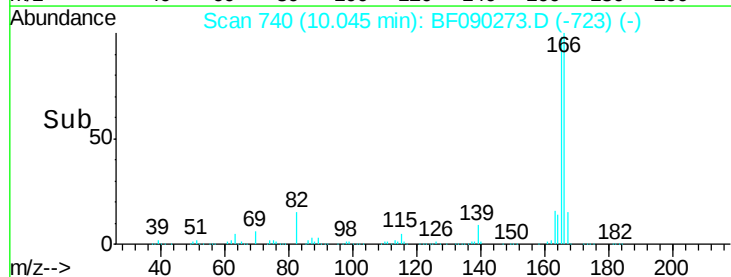
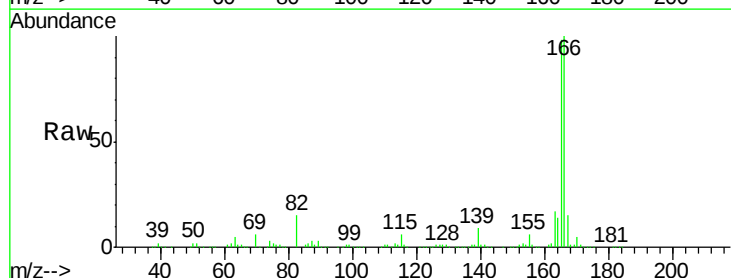
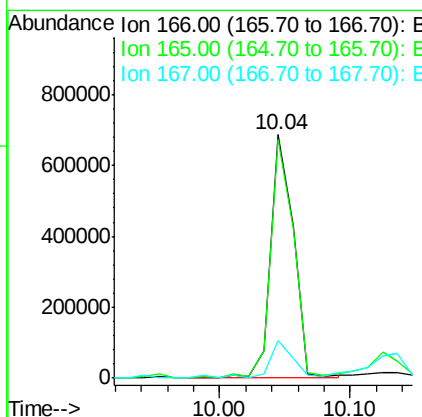
Manual Integrations
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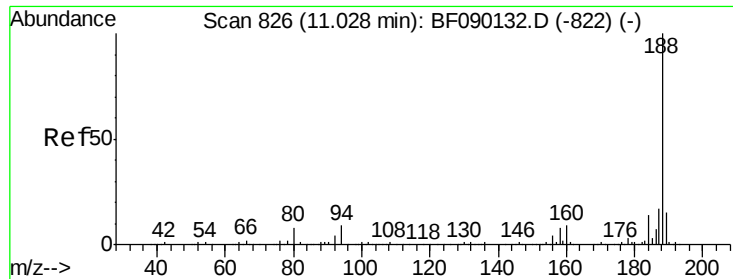
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#57
Fluorene
Concen: 62.92 ng
RT: 10.04 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF090273.D
Acq: 28 Sep 2016 00:59

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.5	117.7
167	15.5	11.2	16.8





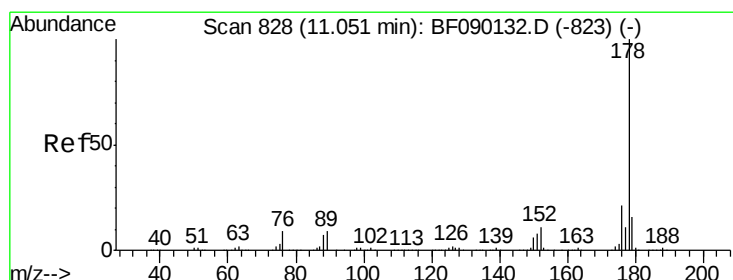
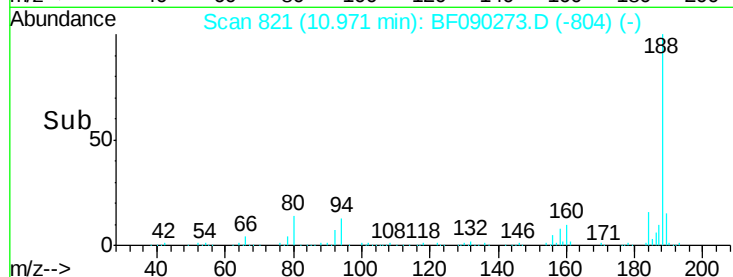
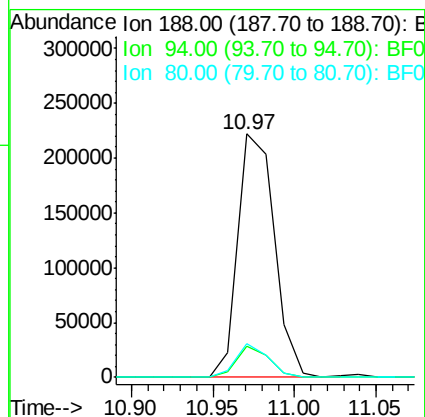
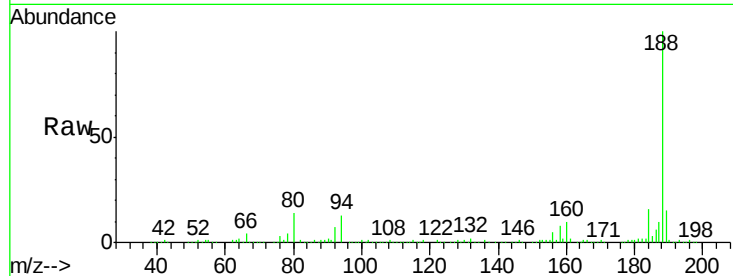
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.97 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF090273.D
Acq: 28 Sep 2016 00:59

Instrument :
BNA_F
ClientSampleId :
S-6-2-LOC-6(10-15)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	345349		
94	12.9		10.5	15.7
80	13.7		11.2	16.8

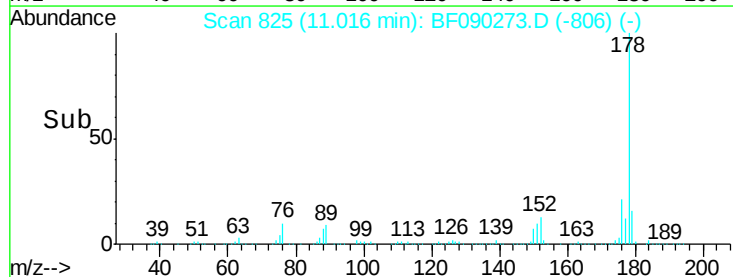
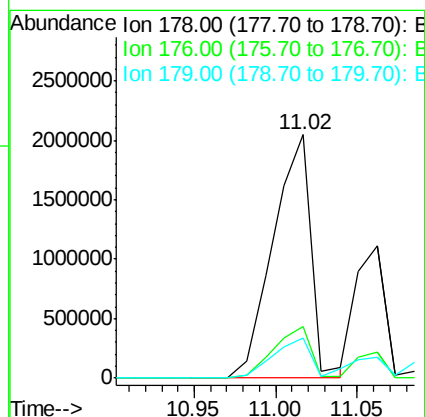
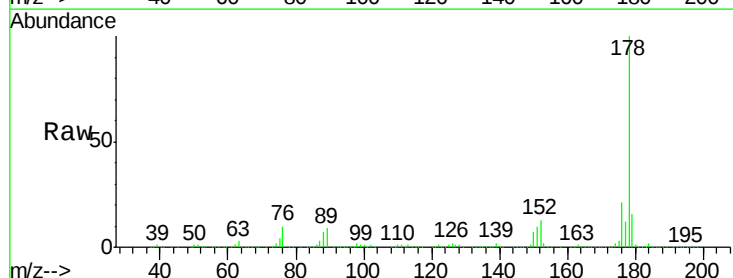
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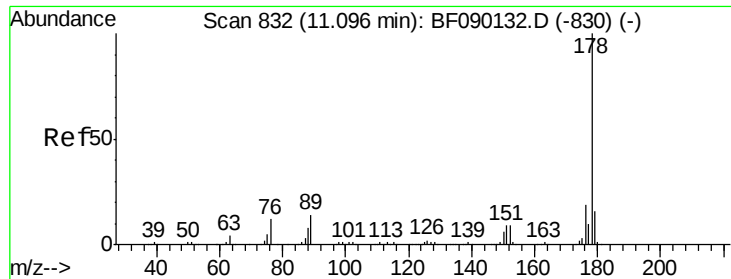
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#70
Phenanthrene
Concen: 204.49 ng
RT: 11.02 min Scan# 825
Delta R.T. 0.01 min
Lab File: BF090273.D
Acq: 28 Sep 2016 00:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	3302741		
176	21.2		15.9	23.9
179	16.3		12.9	19.3





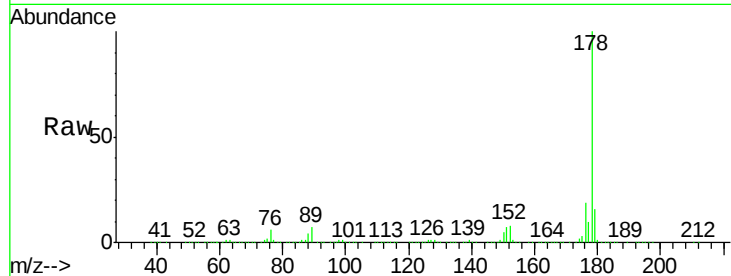
#71
 Anthracene
 Concen: 86.73 ng
 RT: 11.06 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BF090273.D
 Acq: 28 Sep 2016 00:59

Instrument :
 BNA_F
 ClientSampleId :
 S-6-2-LOC-6(10-15)

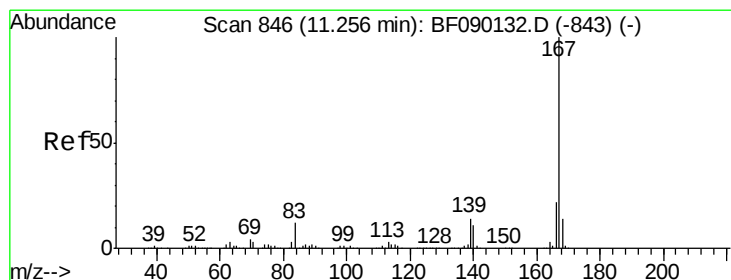
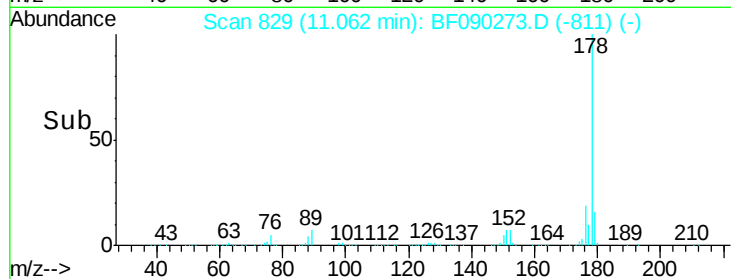
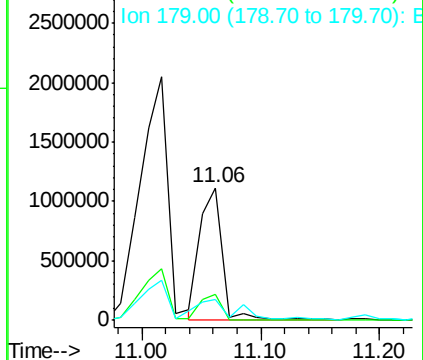
Tot Ion:178 Resp: 1469256
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.6
 179 15.7 12.6 19.0

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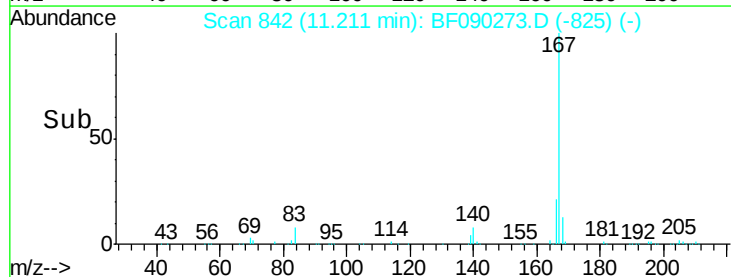
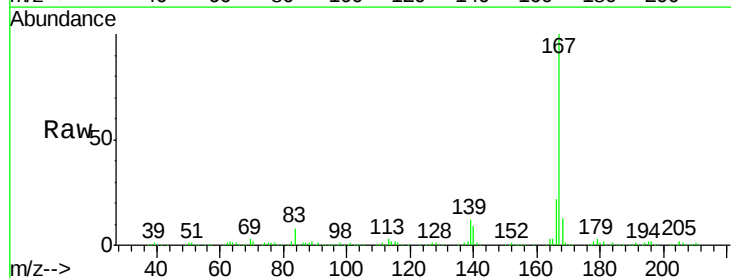
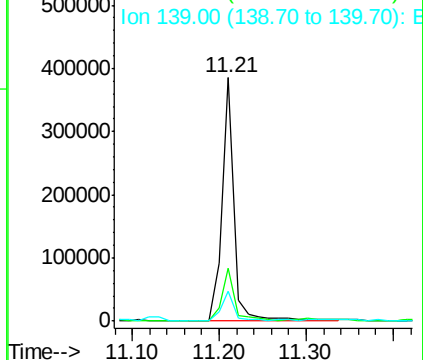
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

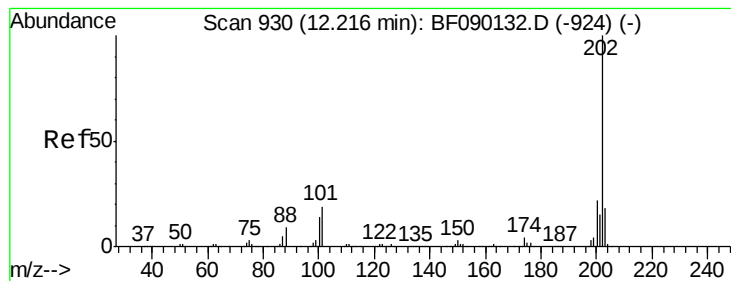


#72
 Carbazole
 Concen: 20.93 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF090273.D
 Acq: 28 Sep 2016 00:59

Tgt Ion:167 Resp: 374889
 Ion Ratio Lower Upper
 167 100
 166 21.7 18.0 27.0
 139 12.4 10.4 15.6

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 172.08 ng

RT: 12.19 min Scan# 928

Delta R.T. 0.01 min

Lab File: BF090273.D

Acq: 28 Sep 2016 00:59

Instrument :

BNA_F

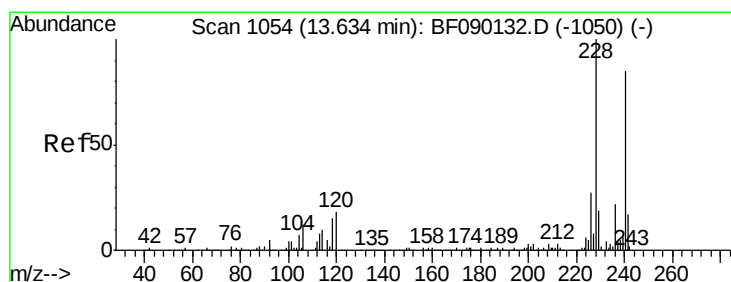
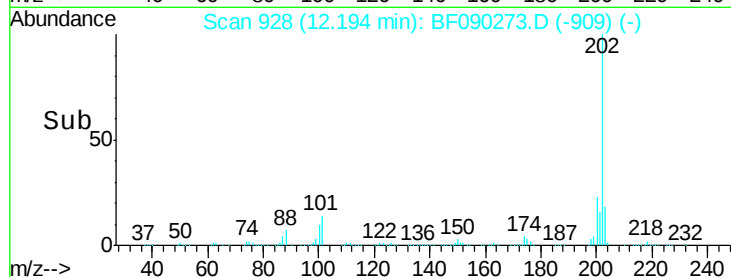
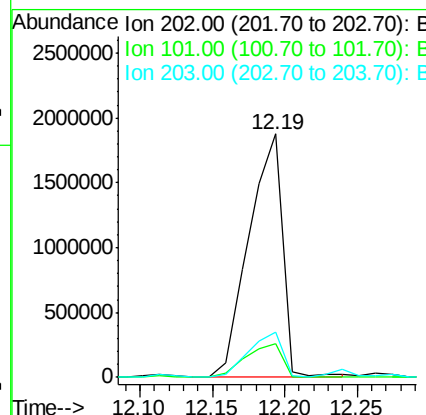
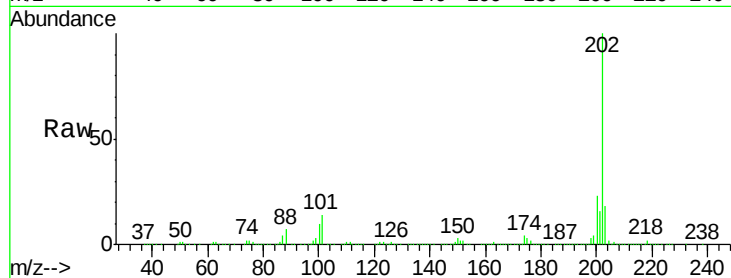
ClientSampleId :

S-6-2-LOC-6(10-15)

Tot Ion:	202	Resp:	2983299
Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	36.1
203	18.5	0.0	38.2

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#75

Chrysene-d12

Concen: 20.00 ng

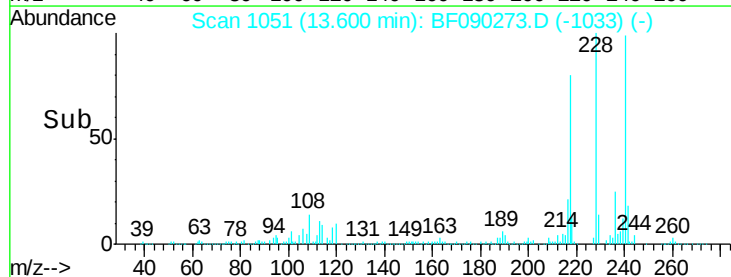
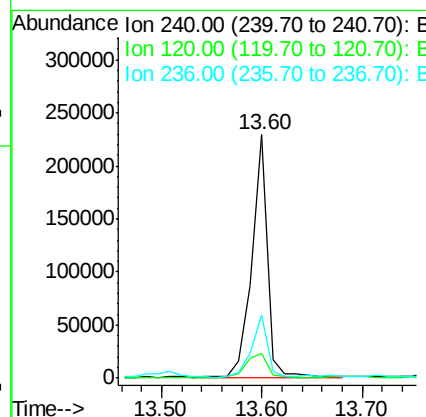
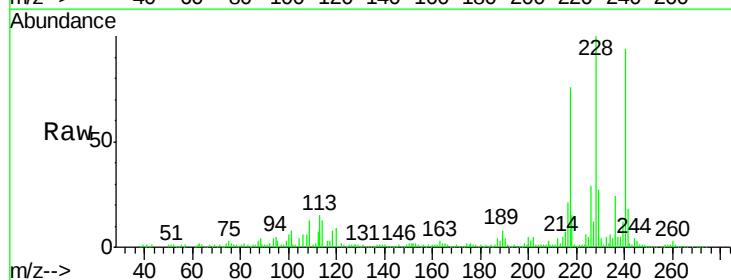
RT: 13.60 min Scan# 1051

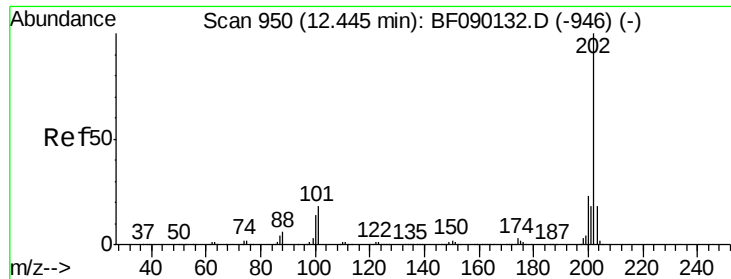
Delta R.T. 0.00 min

Lab File: BF090273.D

Acq: 28 Sep 2016 00:59

Tgt Ion:	240	Resp:	246121
Ion	Ratio	Lower	Upper
240	100		
120	10.0	10.6	16.0#
236	26.0	21.6	32.4





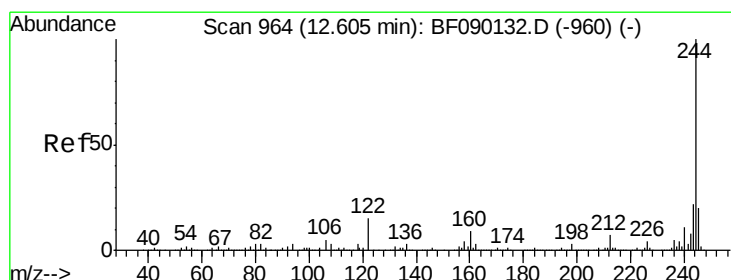
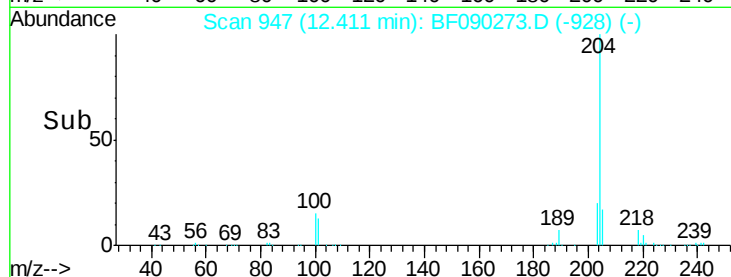
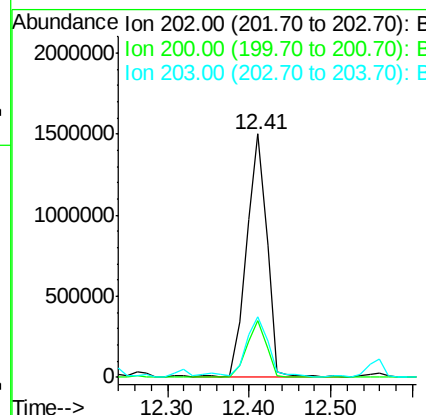
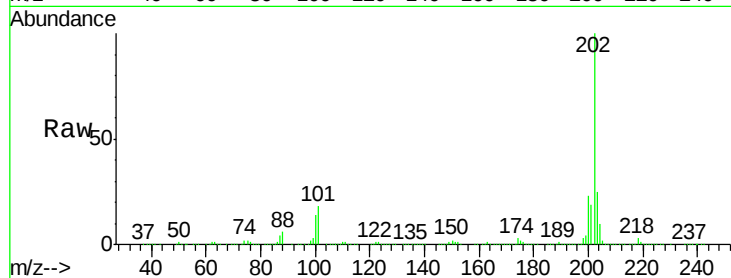
#77
Pvrene
Concen: 150.51 ng
RT: 12.41 min Scan# 947
Delta R.T. 0.01 min
Lab File: BF090273.D
Acq: 28 Sep 2016 00:59

Instrument :
BNA_F
ClientSampleId :
S-6-2-LOC-6(10-15)

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.3	17.9	26.9
203	24.7	14.2	21.4

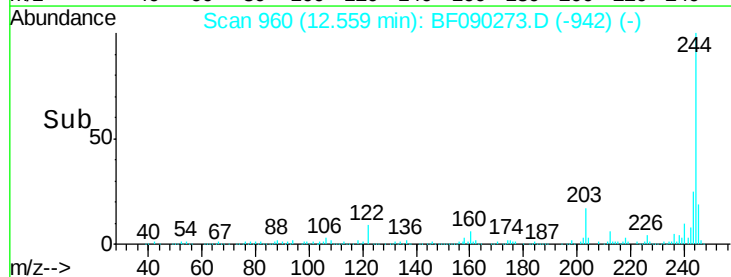
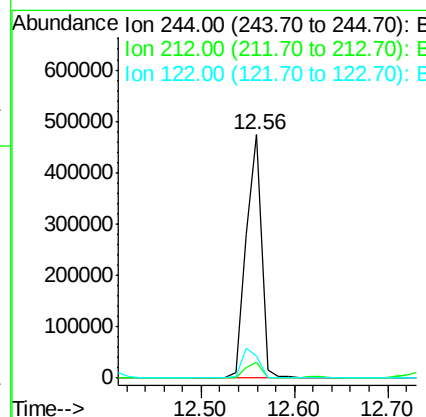
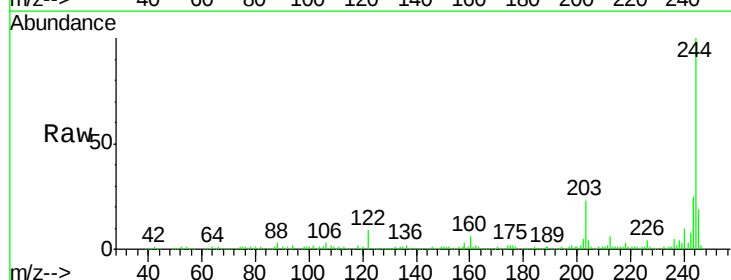
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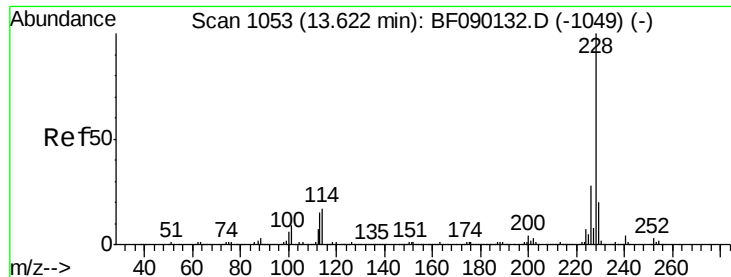
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#78
Terphenyl-d14
Concen: 55.99 ng
RT: 12.56 min Scan# 960
Delta R.T. 0.00 min
Lab File: BF090273.D
Acq: 28 Sep 2016 00:59

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.8
122	9.3	9.4	14.0





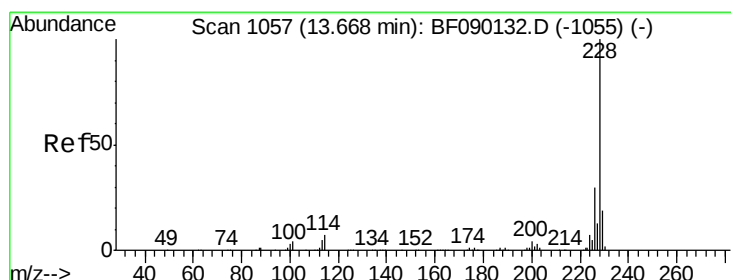
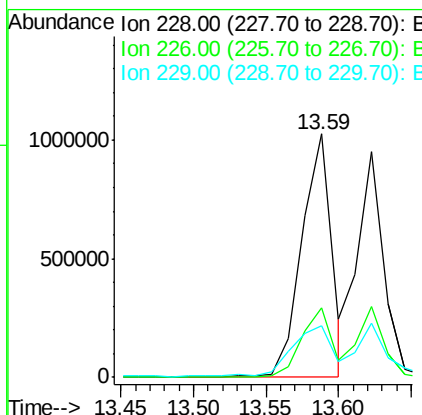
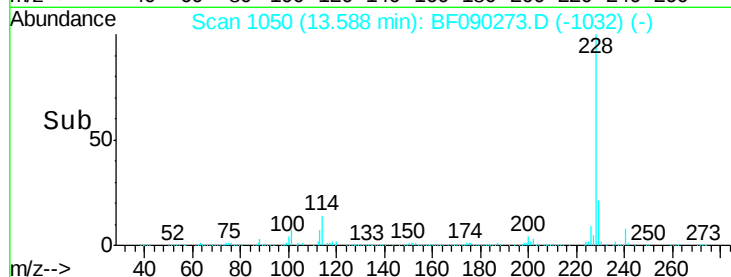
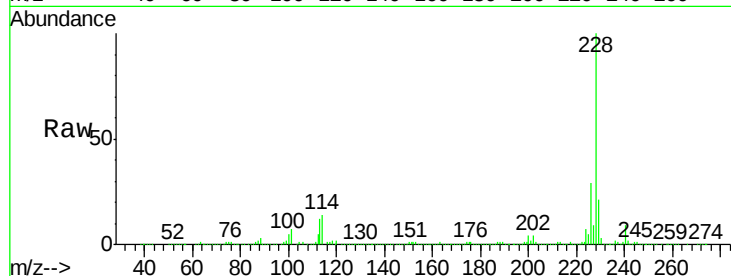
#80
Benzo(a)anthracene
Concen: 109.71 ng
RT: 13.59 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BF090273.D
Acq: 28 Sep 2016 00:59

Instrument :
BNA_F
ClientSampleId :
S-6-2-LOC-6(10-15)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.0	33.0
229	21.3	16.2	24.2

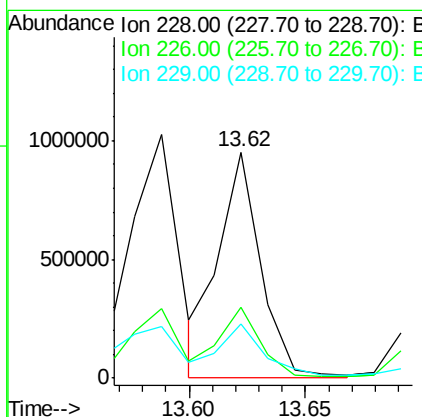
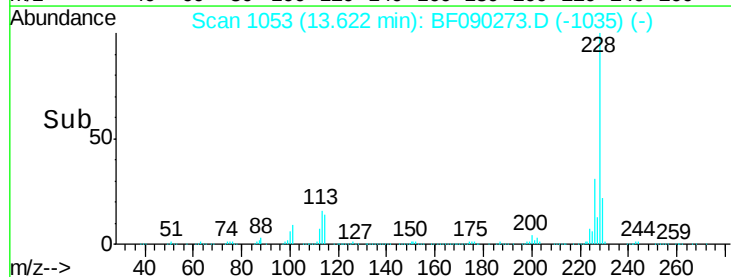
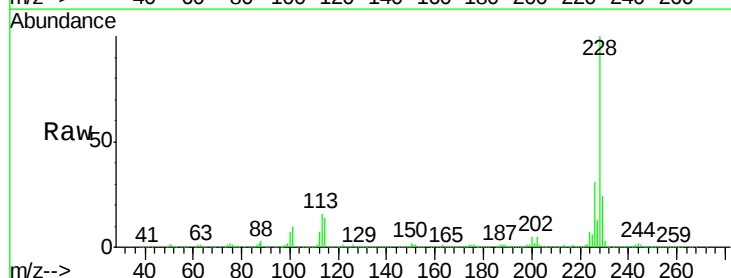
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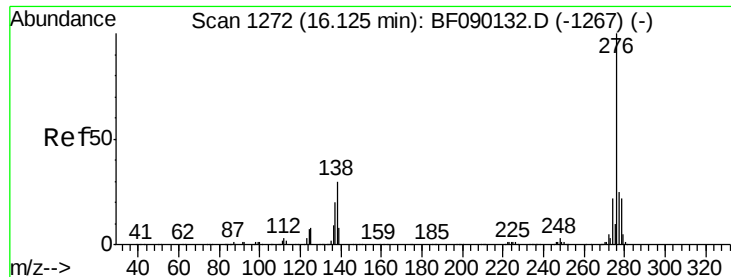
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#82
Chrysene
Concen: 93.21 ng m
RT: 13.62 min Scan# 1053
Delta R.T. 0.00 min
Lab File: BF090273.D
Acq: 28 Sep 2016 00:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.6	37.0
229	23.8	16.2	24.4





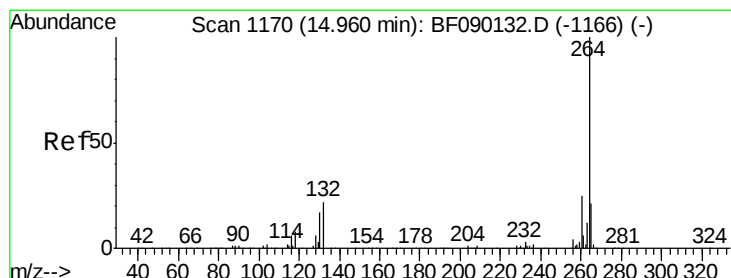
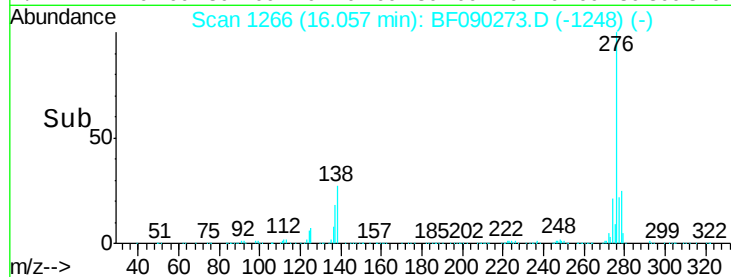
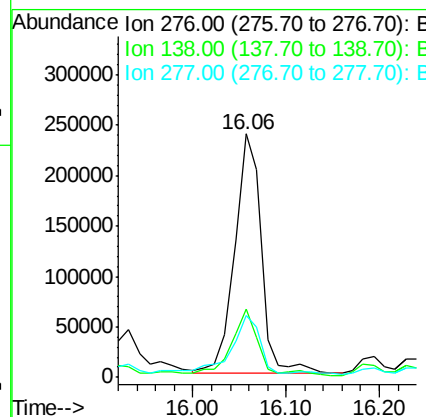
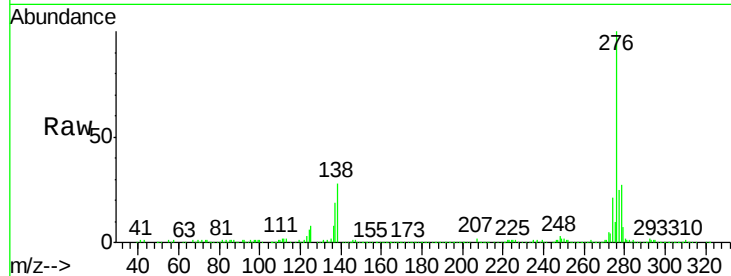
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 45.36 ng
 RT: 16.06 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: BF090273.D
 Acq: 28 Sep 2016 00:59

Instrument :
 BNA_F
 ClientSampleId :
 S-6-2-LOC-6(10-15)

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.5	25.9	38.9#
277	27.9	19.9	29.9

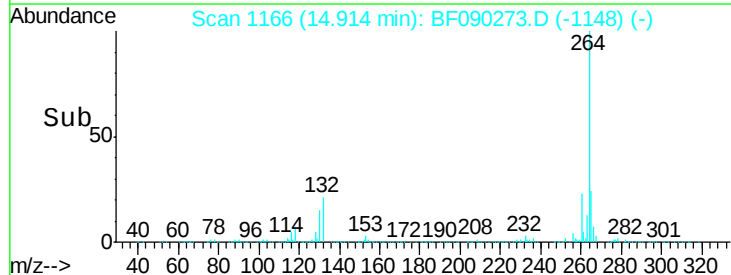
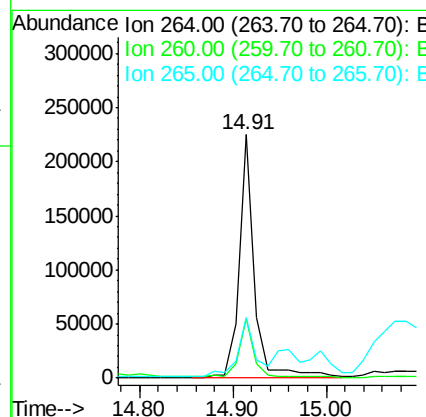
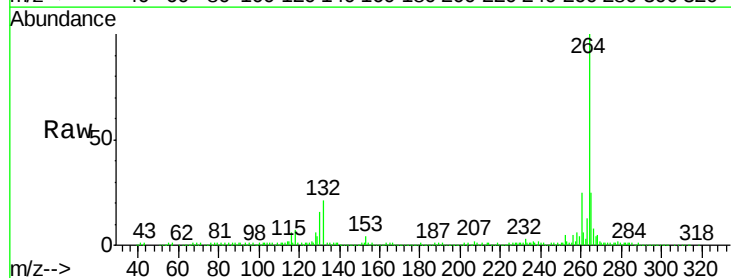
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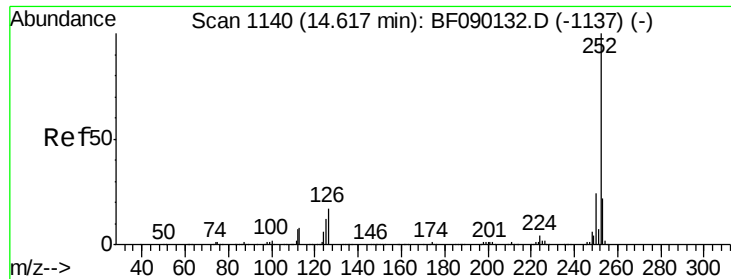
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.91 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: BF090273.D
 Acq: 28 Sep 2016 00:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	24.8	17.0	25.4





#87

Benzo(b)fluoranthene

Concen: 97.74 ng/mL

RT: 14.58 min Scan# 1137

Delta R.T. 0.01 min

Lab File: BF090273.D

Acq: 28 Sep 2016 00:59

Instrument :

BNA_F

ClientSampleId :

S-6-2-LOC-6(10-15)

Tot Ion:252 Resp: 1363156

Ion Ratio Lower Upper

252 100

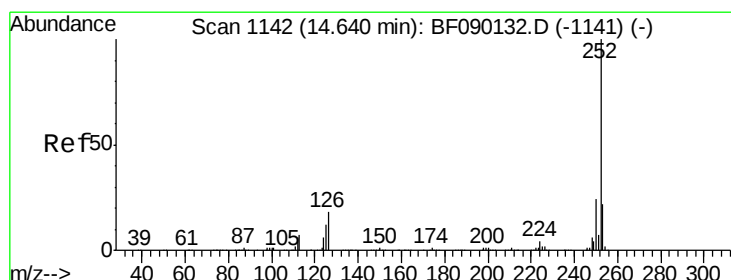
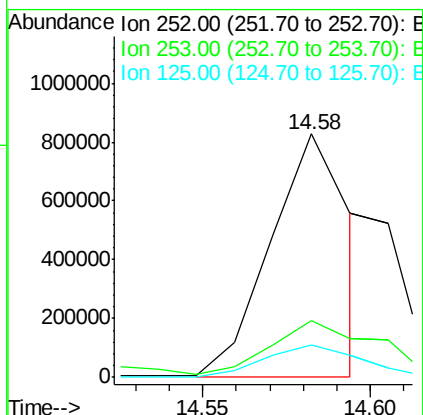
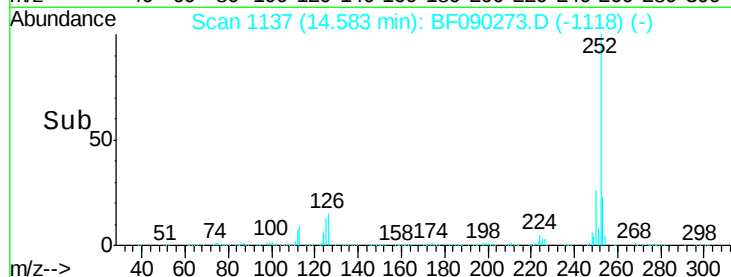
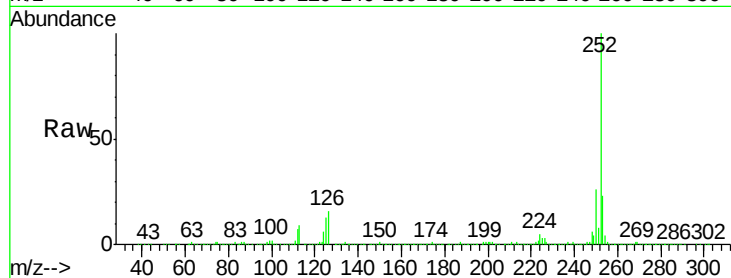
253 23.2 17.9 26.9

125 13.3 12.7 19.1

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 30.23 ng/mL

RT: 14.59 min Scan# 1138

Delta R.T. 0.00 min

Lab File: BF090273.D

Acq: 28 Sep 2016 00:59

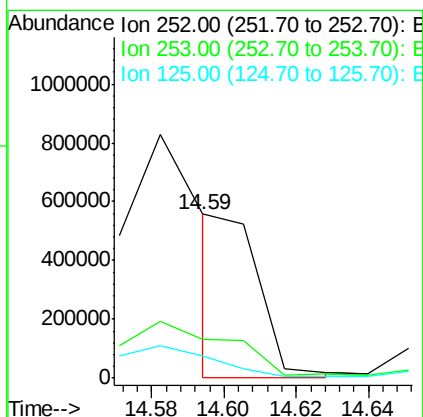
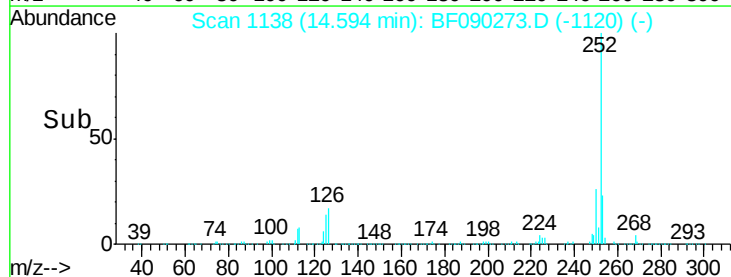
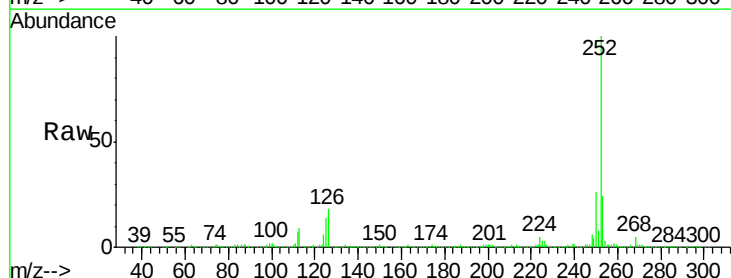
Tgt Ion:252 Resp: 395619

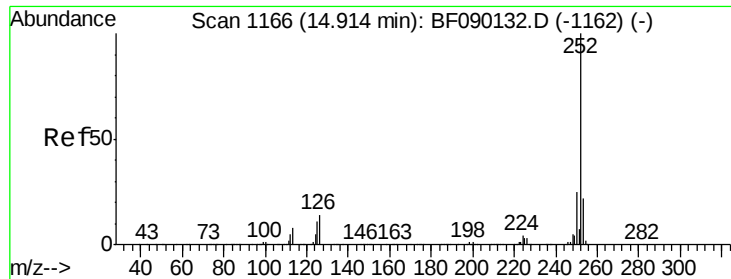
Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

125 13.7 7.8 11.6#





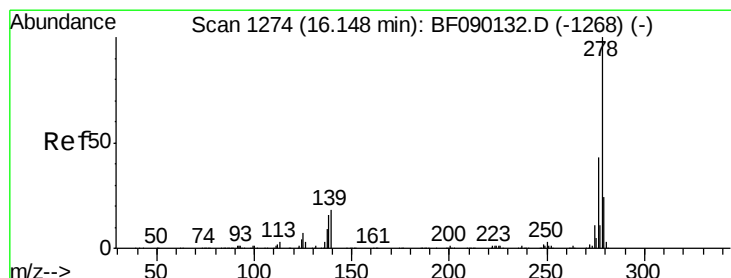
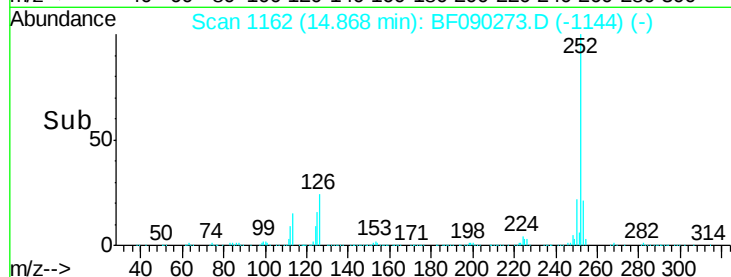
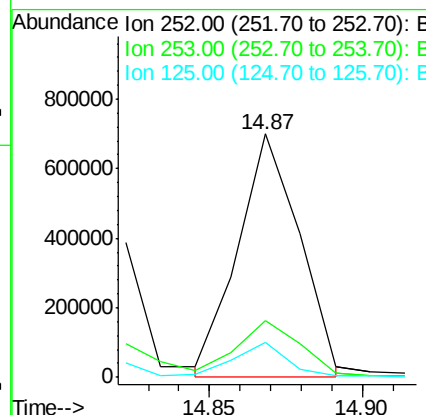
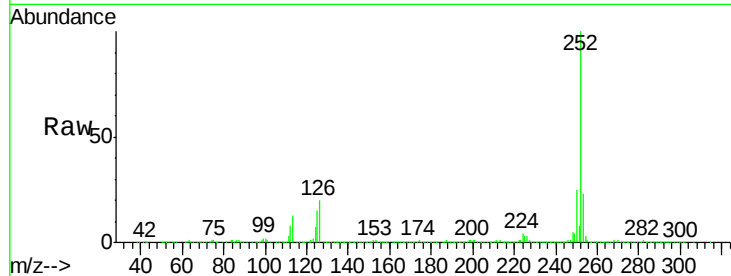
#89
Benzo(a)pyrene
Concen: 74.69 ng/ml
RT: 14.87 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BF090273.D
Acq: 28 Sep 2016 00:59

Instrument :
BNA_F
Client Sample Id :
S-6-2-LOC-6(10-15)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	14.6	7.7	11.5

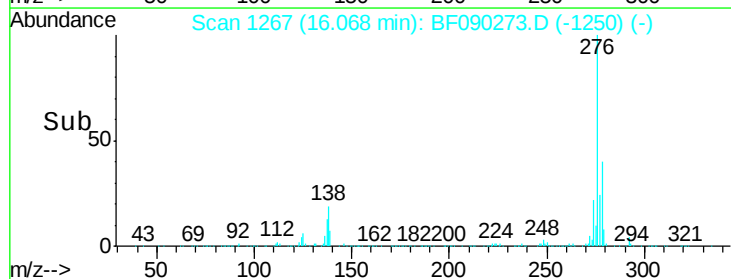
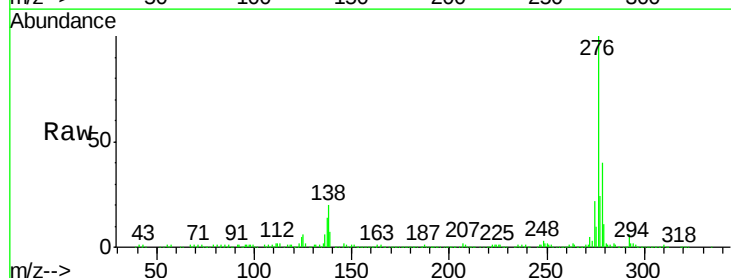
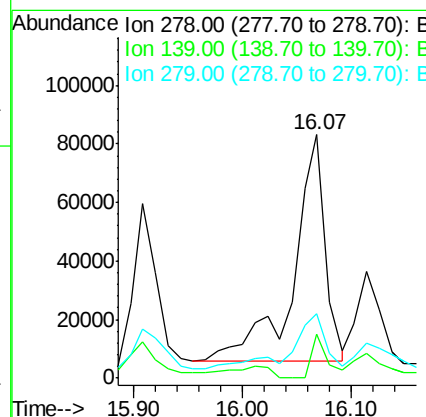
Manual Integrations
APPROVED

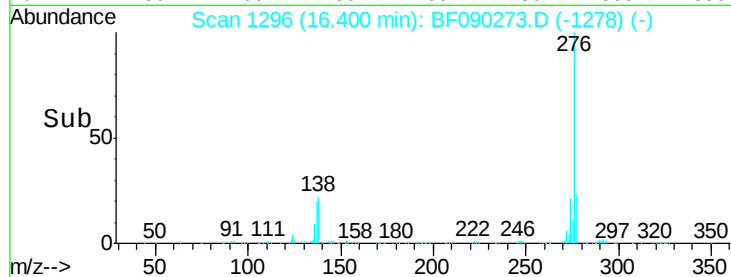
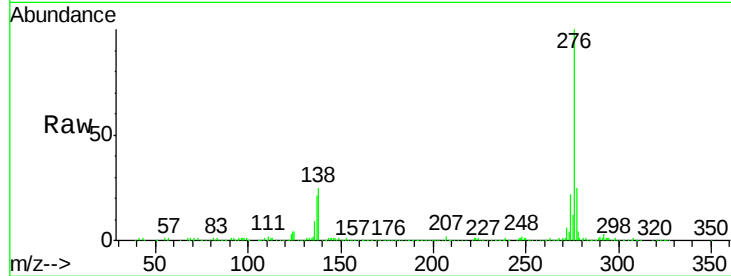
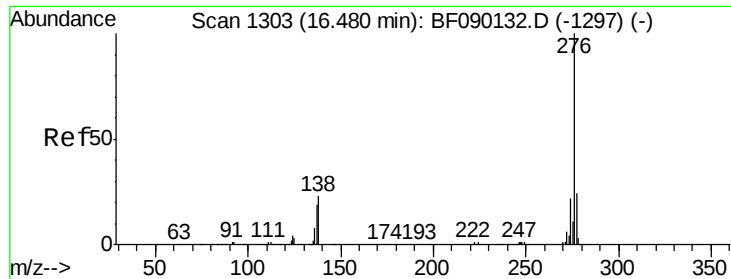
sohil
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#90
Dibenzo(a,h)anthracene
Concen: 15.33 ng
RT: 16.07 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF090273.D
Acq: 28 Sep 2016 00:59

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.0	14.6	21.8
279	26.7	18.8	28.2





#91
 Benzo(a,h,i)perylene
 Concen: 39.18 ng
 RT: 16.40 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: BF090273.D
 Acq: 28 Sep 2016 00:59

Instrument :
 BNA_F
 ClientSampleId :
 S-6-2-LOC-6(10-15)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.9	28.3
138	25.4	23.3	34.9

Manual Integrations
 APPROVED

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