

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
 Data File : BF090998.D
 Acq On : 2 Nov 2016 23:40
 Operator : UM/SJ
 Sample : H5489-12RE 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-73-0.5-1.0RE

Manual Integrations
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Quant Time: Nov 03 01:03:13 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 01 11:53:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	157368	20.00	ng	-0.03
21) Naphthalene-d8	8.01	136	667558	20.00	ng	-0.03
38) Acenaphthene-d10	9.77	164	280094	20.00	ng	-0.02
63) Phenanthrene-d10	11.24	188	440521	20.00	ng	-0.02
75) Chrysene-d12	13.88	240	339322	20.00	ng	-0.02
86) Perylene-d12	15.28	264	281585	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	258587	28.73	ng	-0.02
7) Phenol-d6	6.36	99	386402	31.82	ng	-0.03
23) Nitrobenzene-d5	7.29	82	236889	23.23	ng	-0.03
41) 2,4,6-Tribromophenol	10.56	330	59781	20.77	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	303527	19.03	ng	-0.02
78) Terphenyl-d14	12.83	244	230575	17.12	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.48	163	87964	4.70	ng	Qvalue # 97
70) Phenanthrene	11.26	178	176655	7.87	ng	97
74) Fluoranthene	12.45	202	202762	8.25	ng	95
77) Pyrene	12.68	202	168703	7.86	ng	96
80) Benzo(a)anthracene	13.87	228	89557m	4.97	ng	
82) Chrysene	13.91	228	81224m	4.46	ng	
85) Indeno(1,2,3-cd)pyrene	16.60	276	35294	2.19	ng	# 90
87) Benzo(b)fluoranthene	14.89	252	95435m	5.04	ng	
88) Benzo(k)fluoranthene	14.91	252	31356m	2.10	ng	
89) Benzo(a)pyrene	15.22	252	60978	3.75	ng	# 82
91) Benzo(g,h,i)perylene	16.99	276	29325	2.26	ng	# 86

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

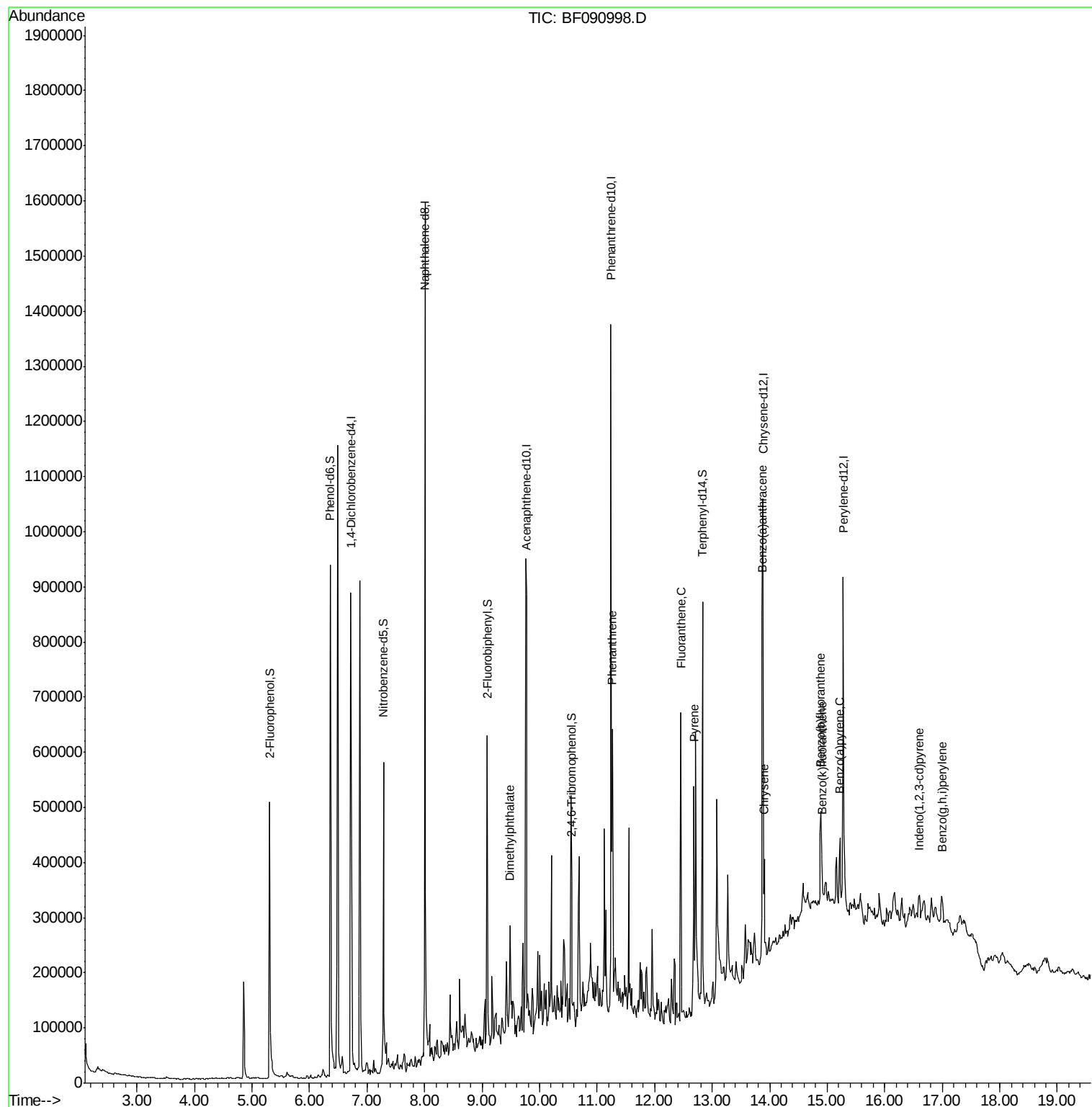
Data Path : Z:\HPCHEM1\BNA F\DATA\BF110216\
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Operator : UM/SJ
Sample : H5489-12RE 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

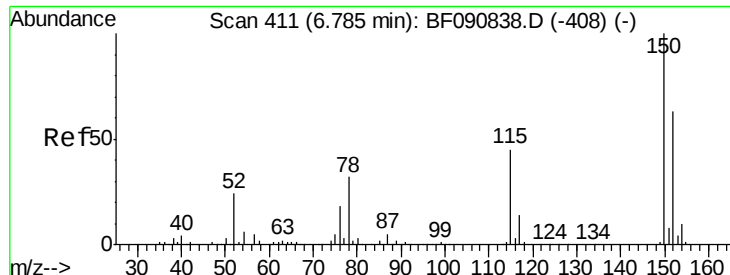
Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0RE

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Quant Time: Nov 03 01:03:13 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





#1

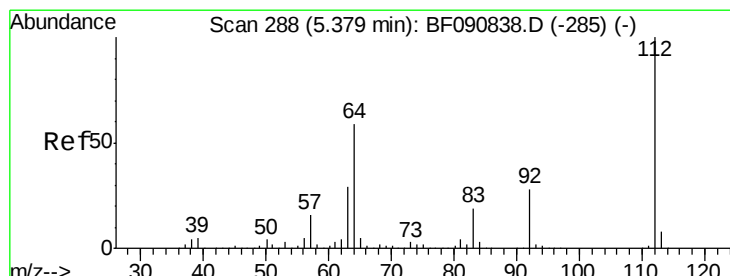
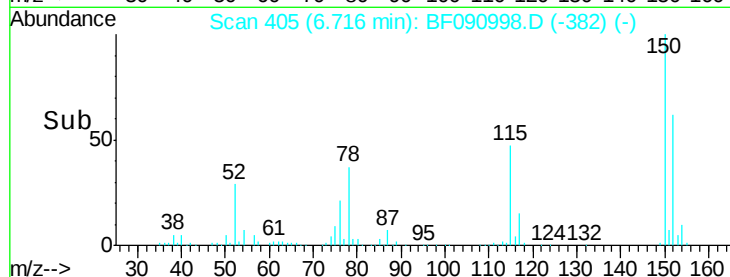
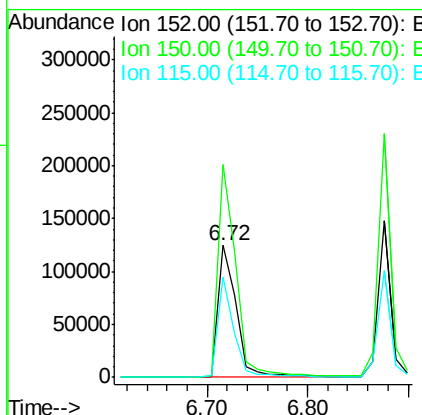
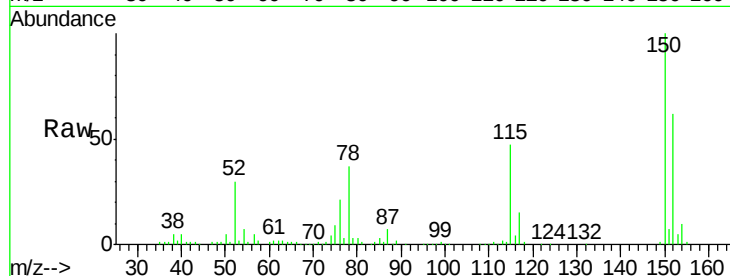
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 405
Delta R.T. -0.03 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.8	124.7	187.1
115	75.7	39.0	58.4

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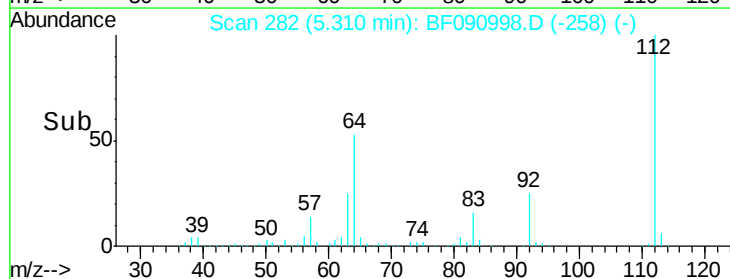
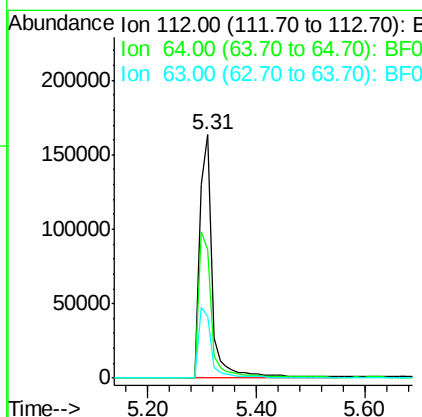
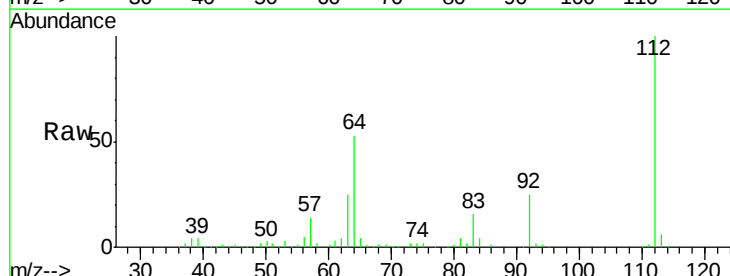
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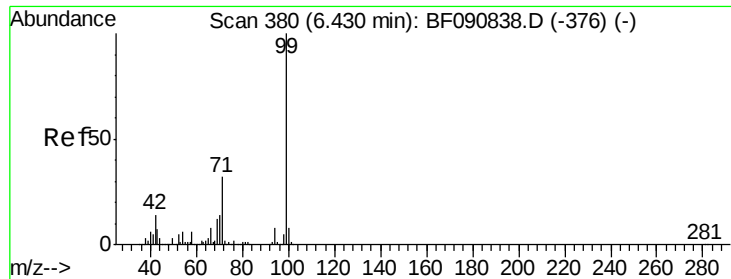


#5

2-Fluorophenol
Concen: 28.73 ng
RT: 5.31 min Scan# 282
Delta R.T. -0.02 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	39.7	59.5
63	25.5	17.4	26.0





#7

Phenol-d6

Concen: 31.82 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.03 min

Lab File: BF090998.D

Acq: 2 Nov 2016 23:40

Instrument :

BNA_F

ClientSampleId :

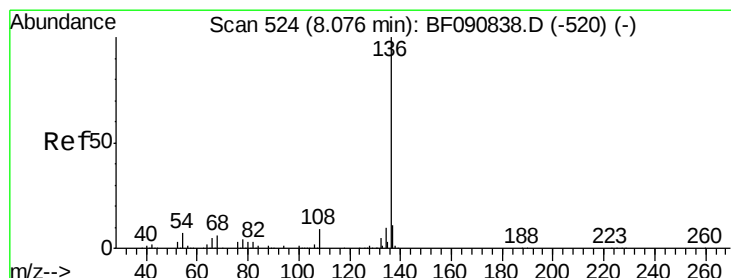
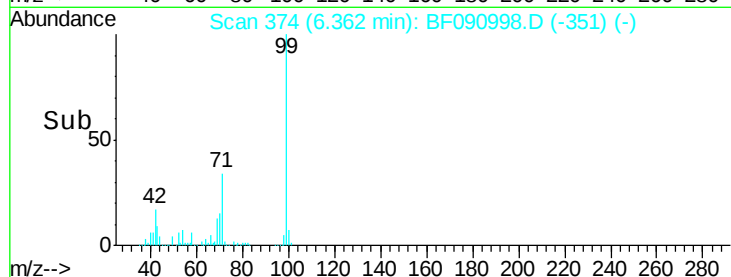
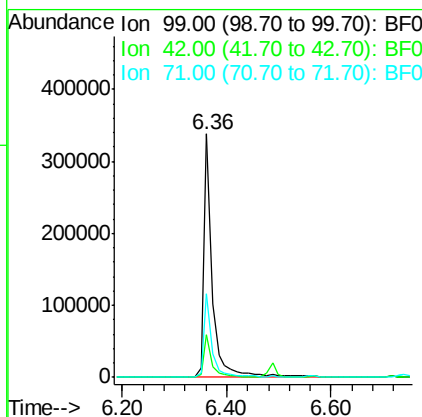
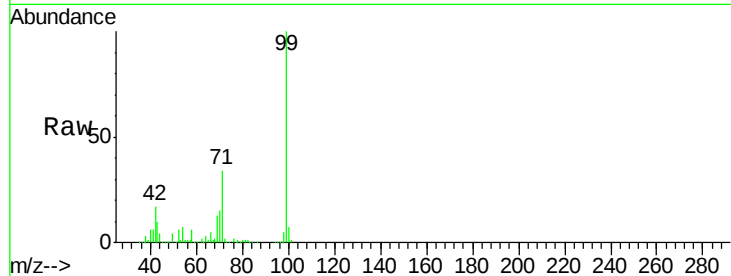
SB-73-0.5-1.0RE

Tot Ion:	99	Resp:	386402
Ion Ratio	Lower	Upper	
99	100		
42	17.5	13.7	20.5
71	34.4	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

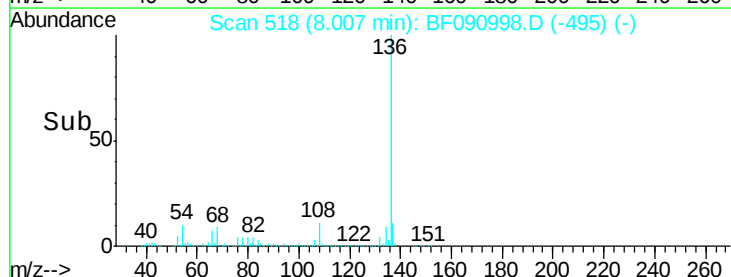
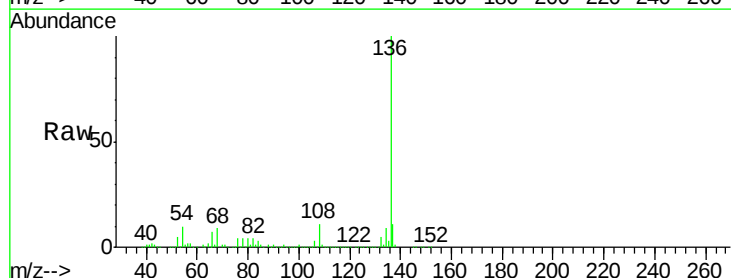
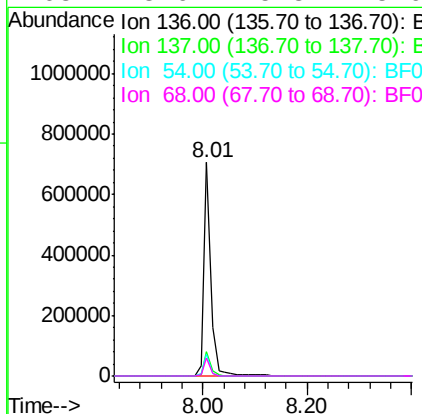
RT: 8.01 min Scan# 518

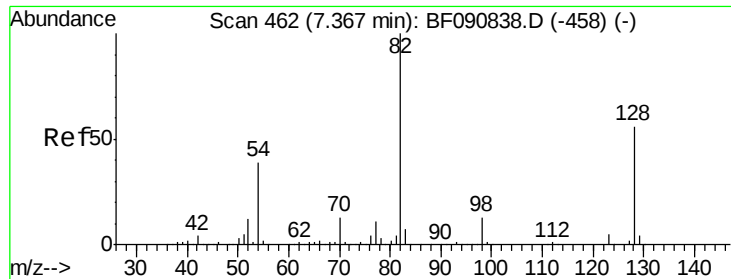
Delta R.T. -0.03 min

Lab File: BF090998.D

Acq: 2 Nov 2016 23:40

Tgt Ion:	136	Resp:	667558
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.6
54	10.0	8.2	12.2
68	8.6	5.8	8.6





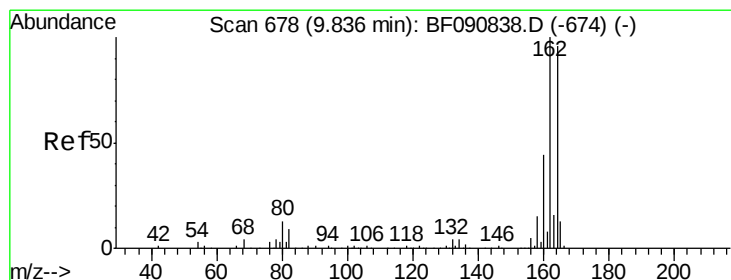
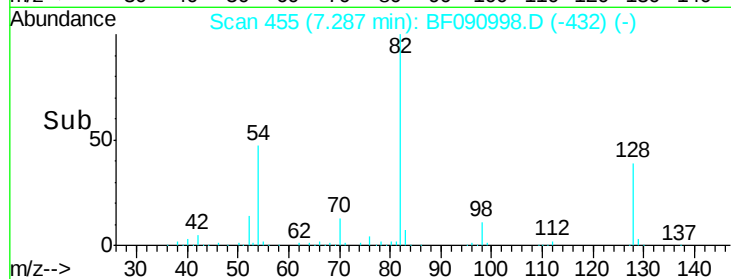
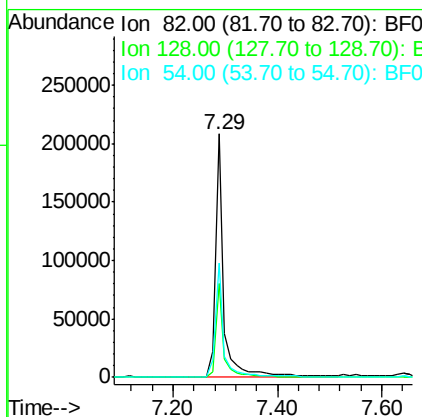
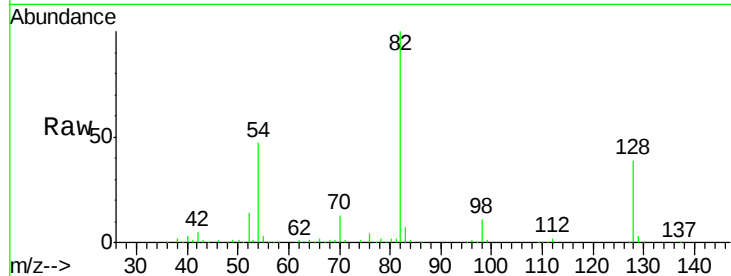
#23
 Nitrobenzene-d5
 Concen: 23.23 ng
 RT: 7.29 min Scan# 455
 Delta R.T. -0.03 min
 Lab File: BF090998.D
 Acq: 2 Nov 2016 23:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-73-0.5-1.0RE

Tot Ion	82	Resp	236889
Ion Ratio	100	Lower	Upper
82	100		
128	38.7	51.0	76.6#
54	46.9	47.5	71.3#

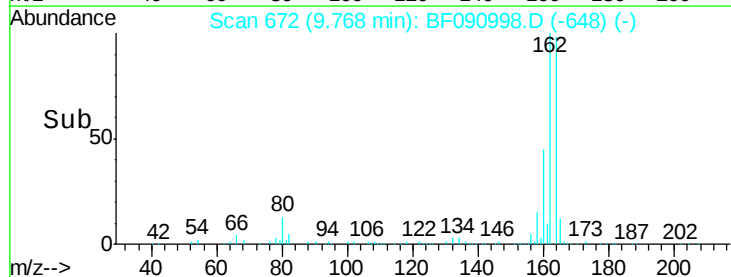
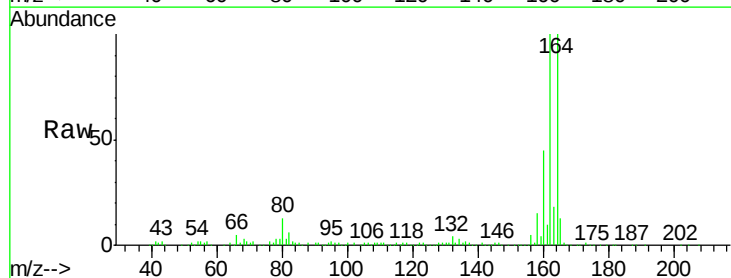
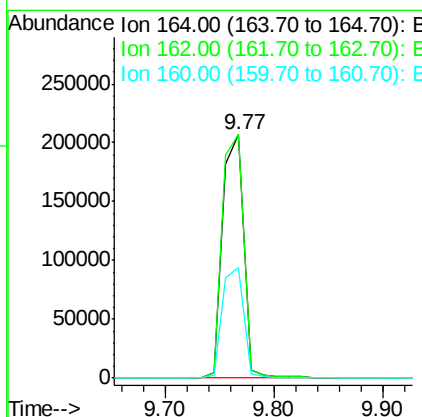
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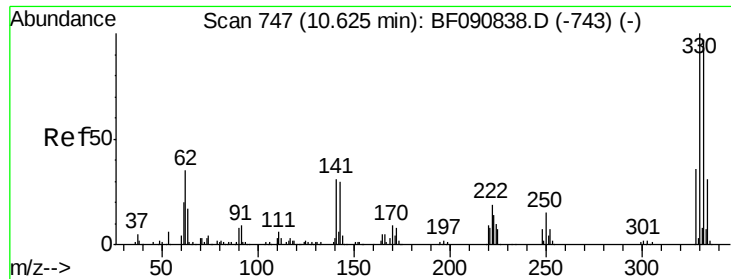
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.02 min
 Lab File: BF090998.D
 Acq: 2 Nov 2016 23:40

Tgt Ion	164	Resp	280094
Ion Ratio	100	Lower	Upper
164	100		
162	100.1	75.2	112.8
160	45.2	31.5	47.3





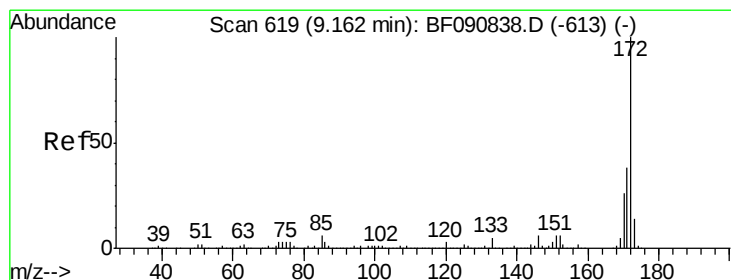
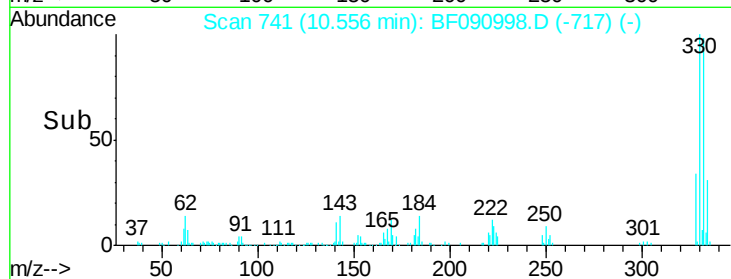
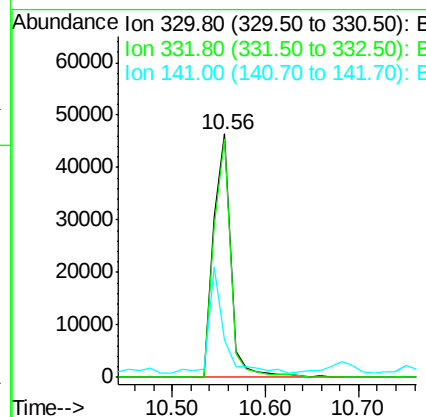
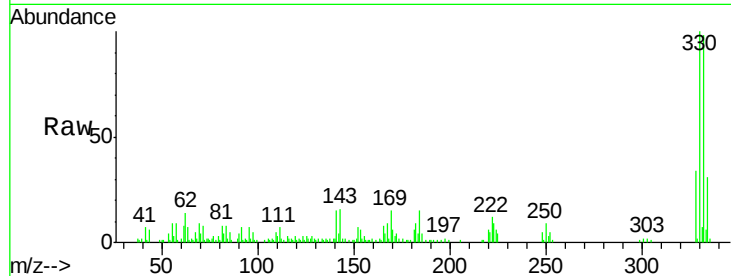
#41
 2,4,6-Tribromophenol
 Concen: 20.77 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.02 min
 Lab File: BF090998.D
 Acq: 2 Nov 2016 23:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-73-0.5-1.0RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	114.8
141	37.6	29.7	44.5

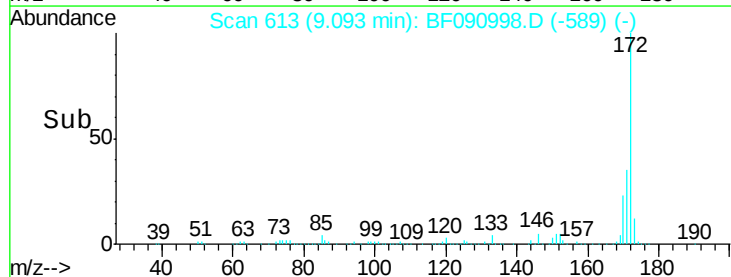
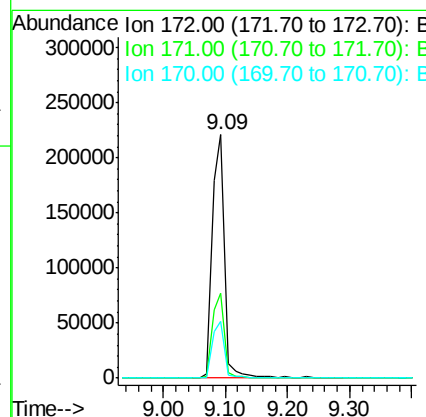
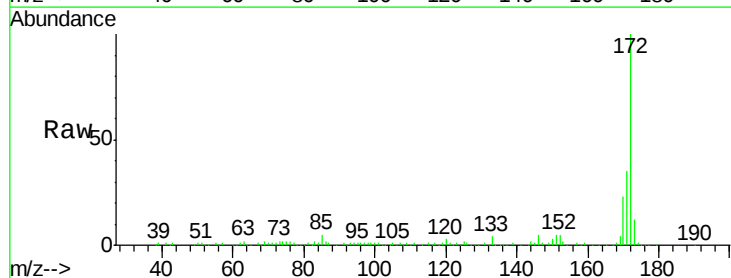
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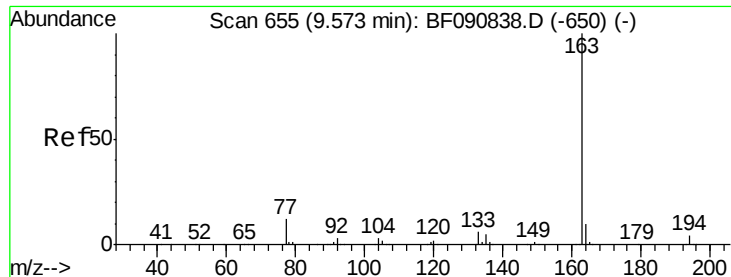
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#44
 2-Fluorobiphenyl
 Concen: 19.03 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.02 min
 Lab File: BF090998.D
 Acq: 2 Nov 2016 23:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	26.1	39.1
170	23.1	17.4	26.2





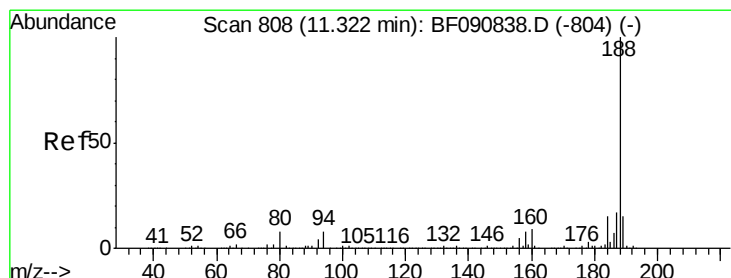
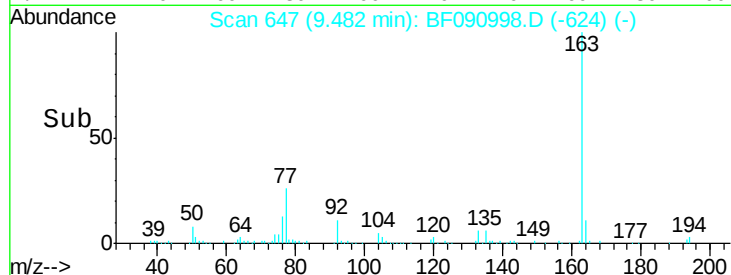
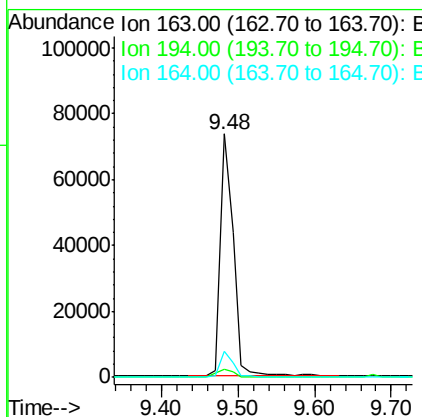
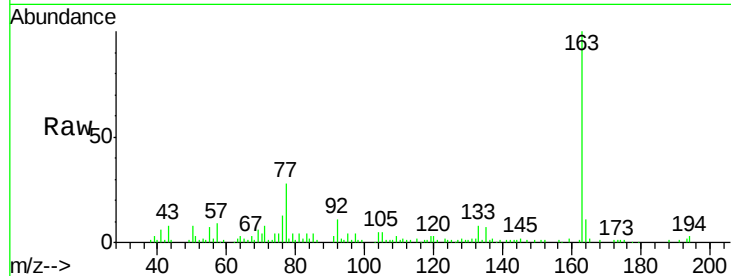
#49
Dimethylphthalate
Concen: 4.70 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.03 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0RE

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	4.4	6.6#
164	10.8	8.3	12.5

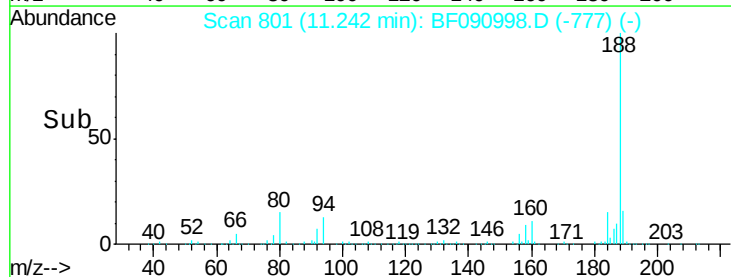
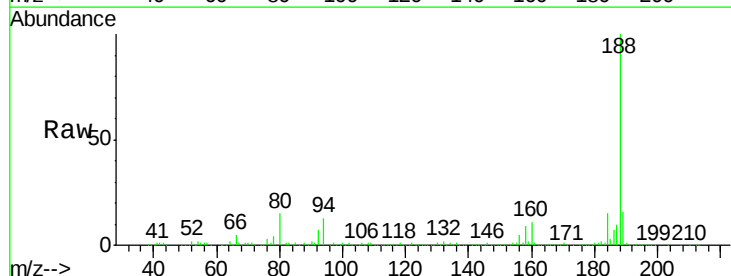
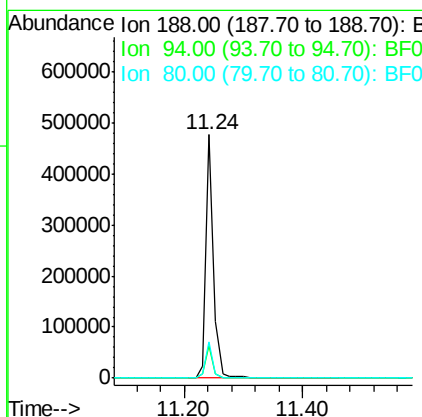
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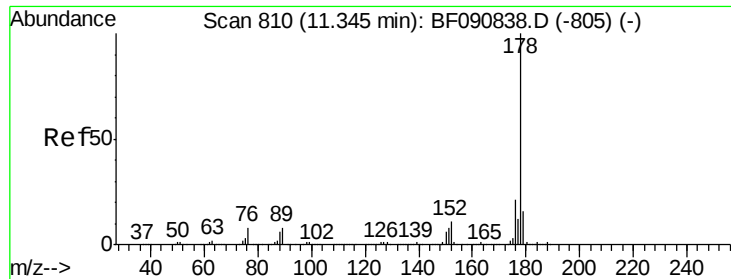
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.02 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.3	11.1	16.7
80	14.8	11.0	16.4





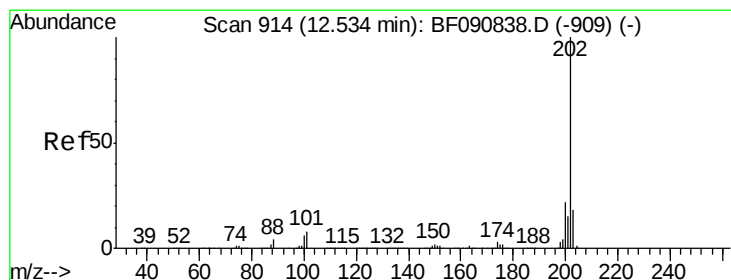
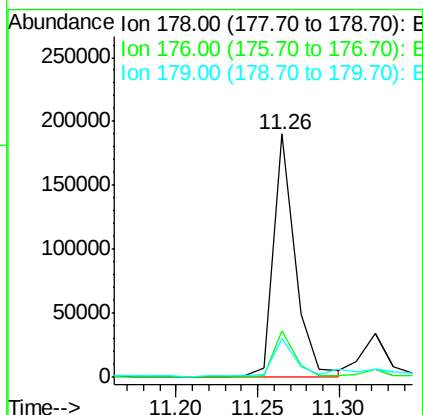
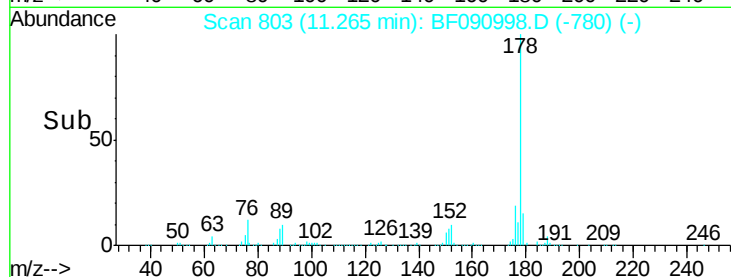
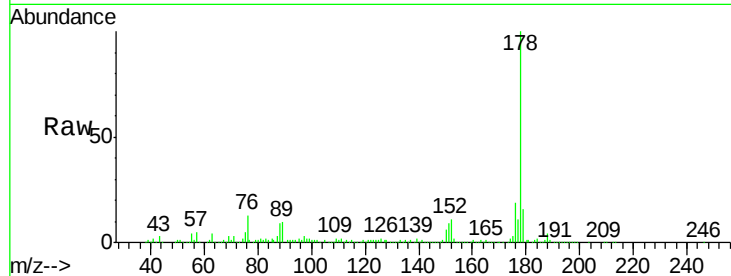
#70
Phenanthrene
Concen: 7.87 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	13.8	20.8
179	15.8	12.2	18.2

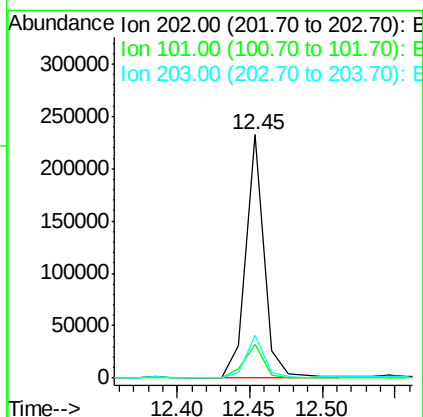
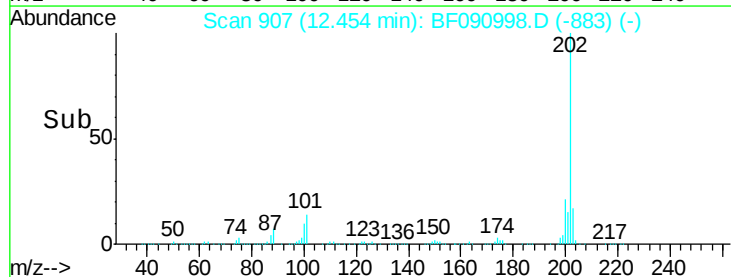
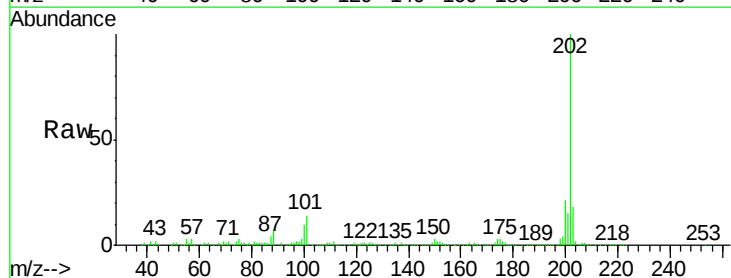
Manual Integrations
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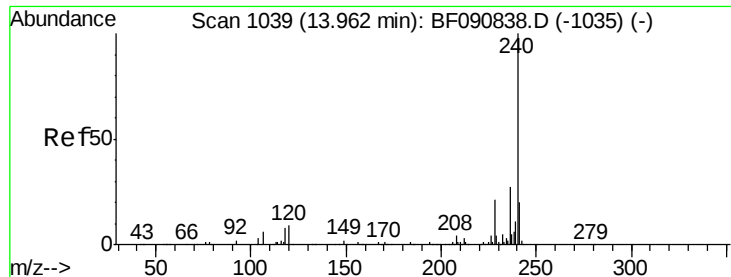
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#74
Fluoranthene
Concen: 8.25 ng
RT: 12.45 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	38.3
203	17.5	0.0	37.3





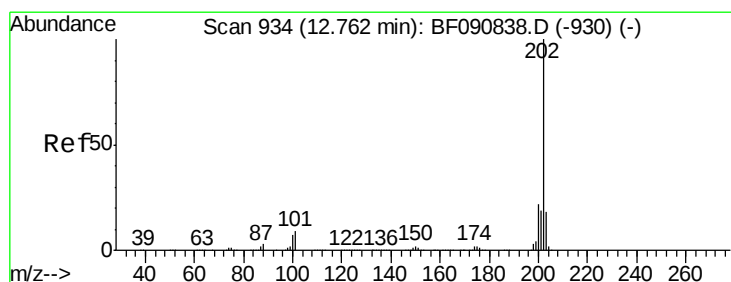
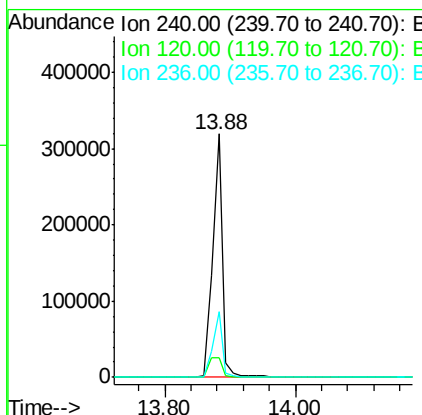
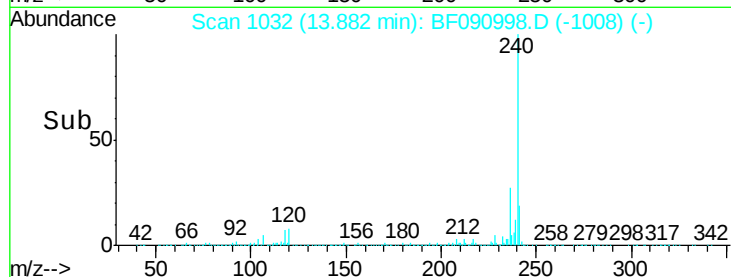
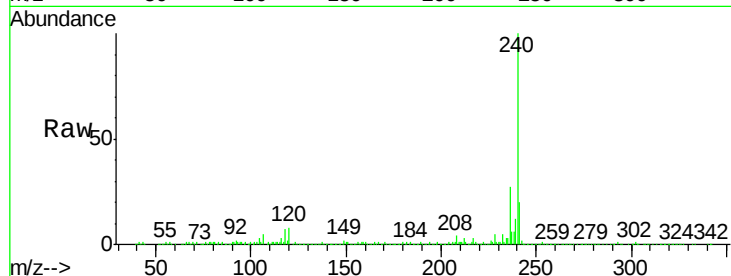
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0RE

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.2	16.2	24.2#
236	26.9	18.4	27.6

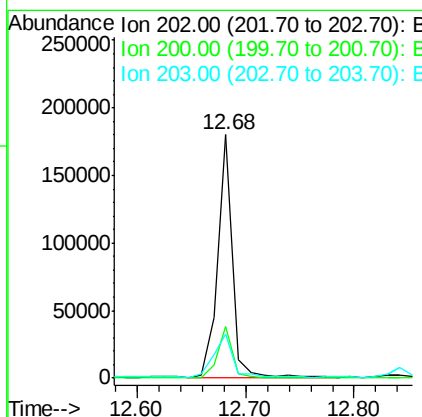
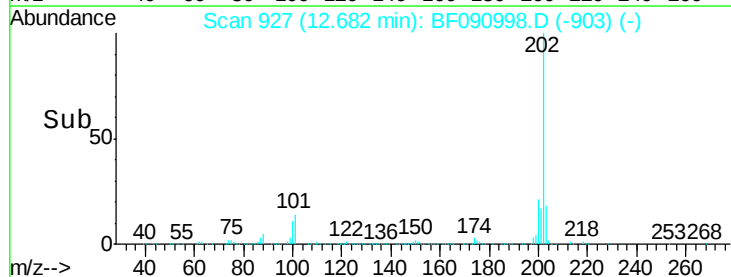
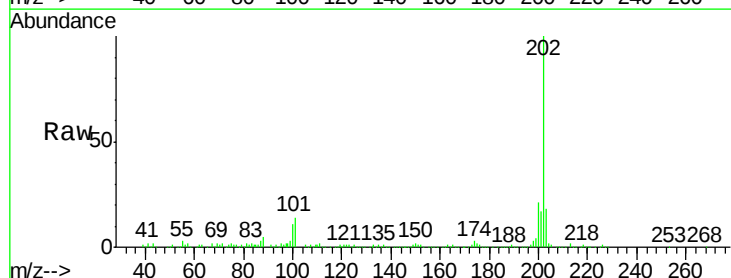
Manual Integrations
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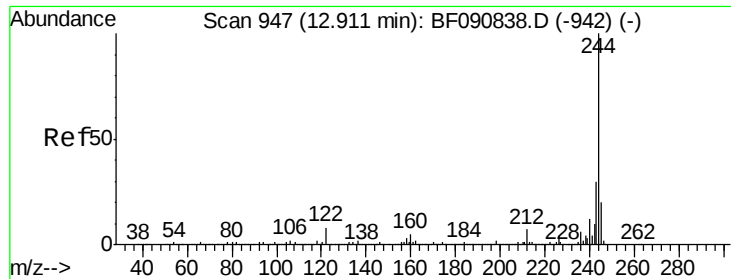
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#77
Pyrene
Concen: 7.86 ng
RT: 12.68 min Scan# 927
Delta R.T. -0.02 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	15.0	22.4
203	18.1	14.1	21.1





#78

Terphenyl-d14

Concen: 17.12 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.02 min

Lab File: BF090998.D

Acq: 2 Nov 2016 23:40

Instrument :

BNA_F

ClientSampleId :

SB-73-0.5-1.0RE

Tot Ion:244 Resp: 230575

Ion Ratio Lower Upper

244 100

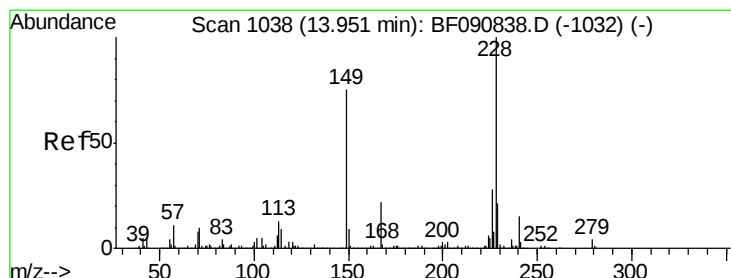
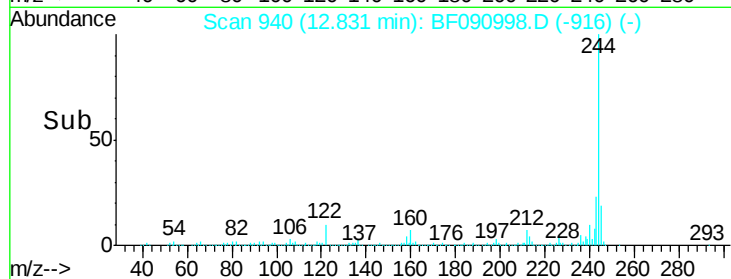
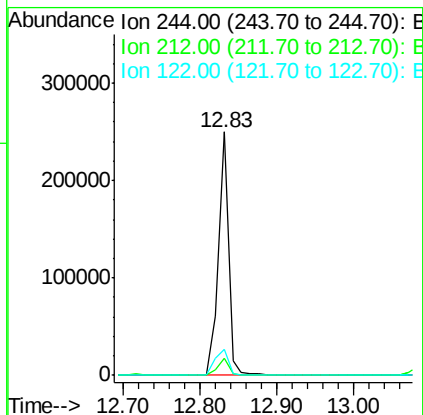
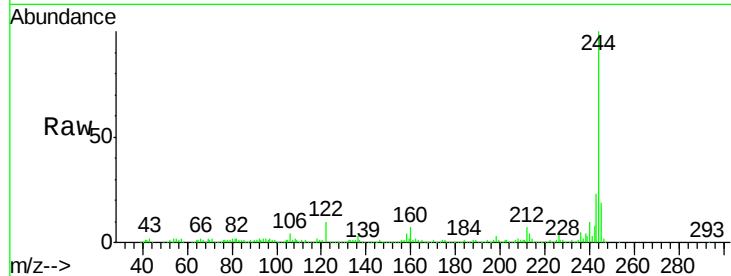
212 7.1 4.3 6.5#

122 10.5 17.4 26.2#

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#80

Benzo(a)anthracene

Concen: 4.97 ng m

RT: 13.87 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF090998.D

Acq: 2 Nov 2016 23:40

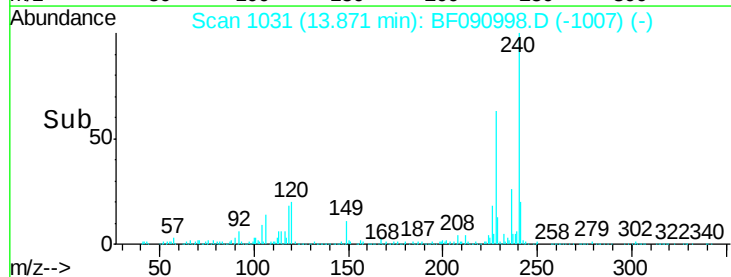
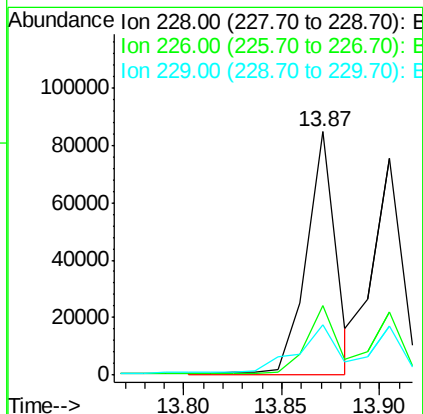
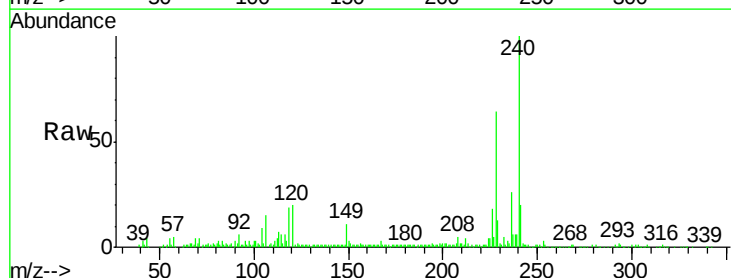
Tgt Ion:228 Resp: 89557

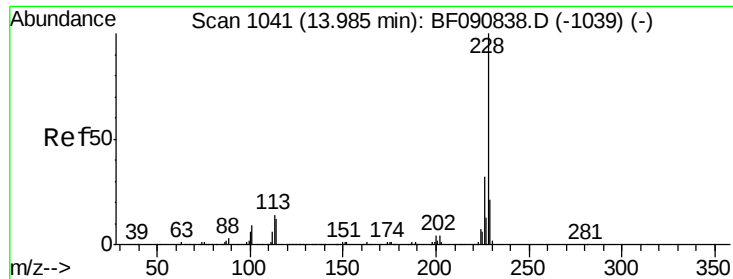
Ion Ratio Lower Upper

228 100

226 28.7 20.0 30.0

229 20.8 15.4 23.2





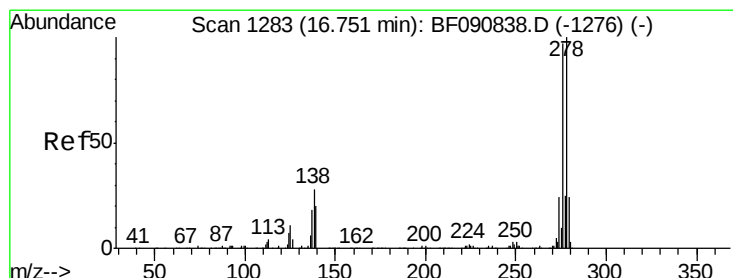
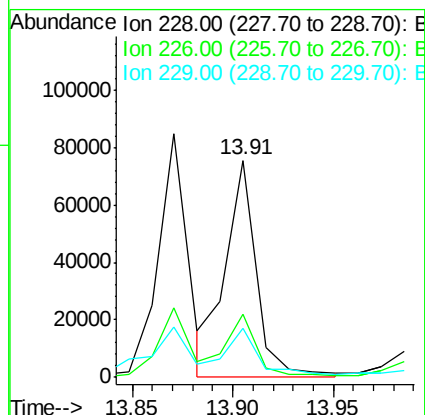
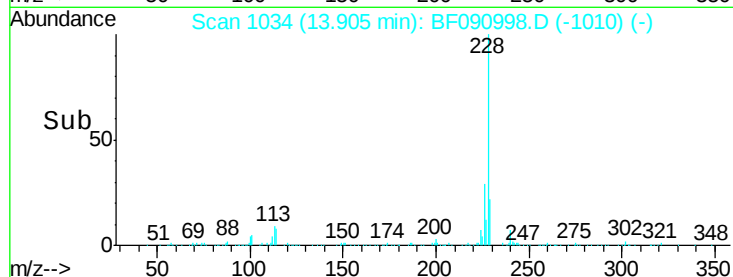
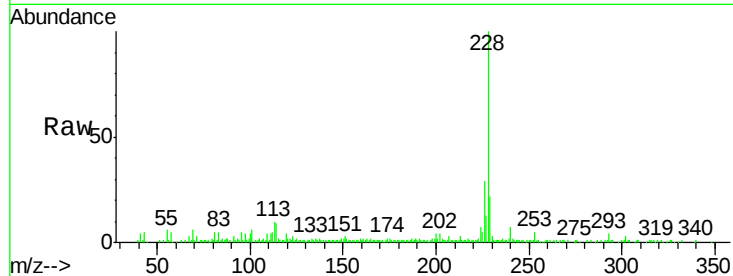
#82
Chrysene
Concen: 4.46 ng/ml
RT: 13.91 min Scan# 1034
Delta R.T. -0.02 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0RE

Tot Ion:	228	Resp:	81224
Ion Ratio	Lower	Upper	
228	100		
226	29.0	21.0	31.4
229	22.4	15.6	23.4

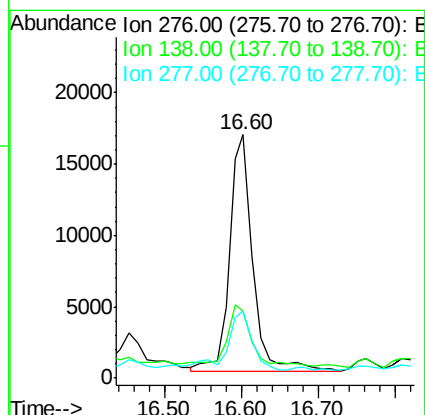
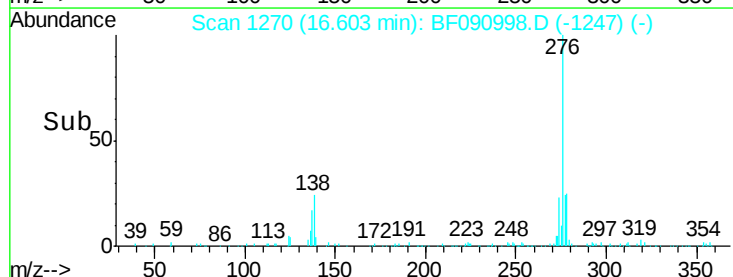
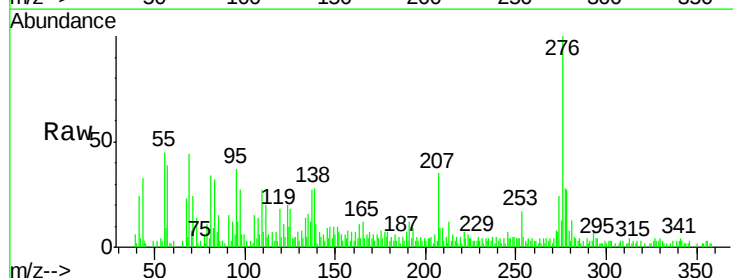
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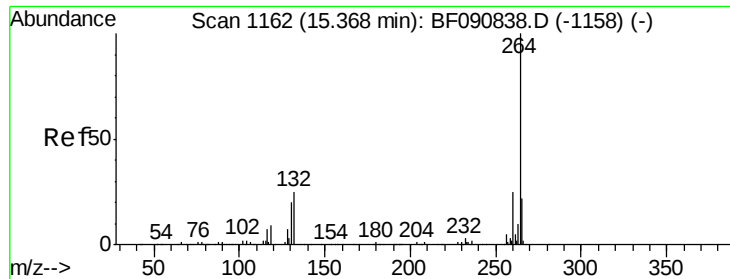
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.19 ng
RT: 16.60 min Scan# 1270
Delta R.T. -0.03 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

Tgt Ion:	276	Resp:	35294
Ion Ratio	Lower	Upper	
276	100		
138	29.9	25.7	38.5
277	29.0	15.6	23.4





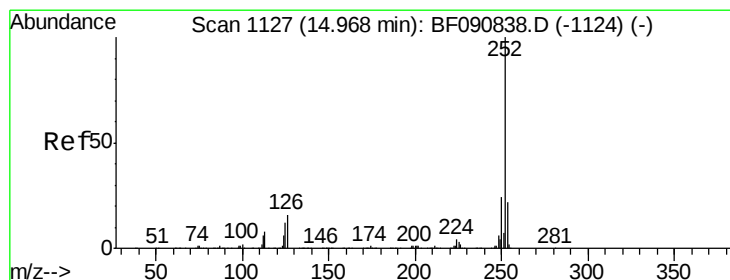
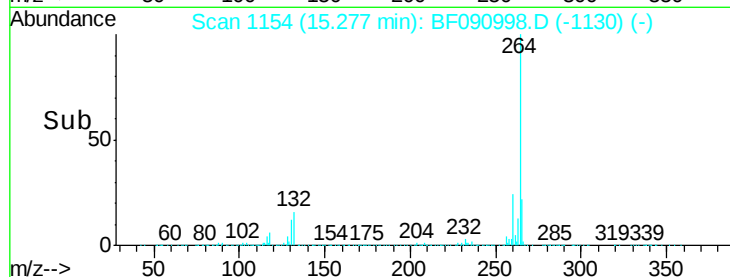
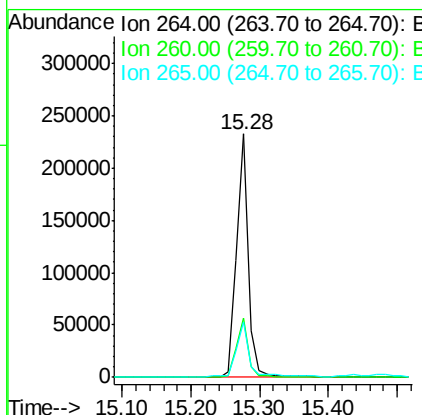
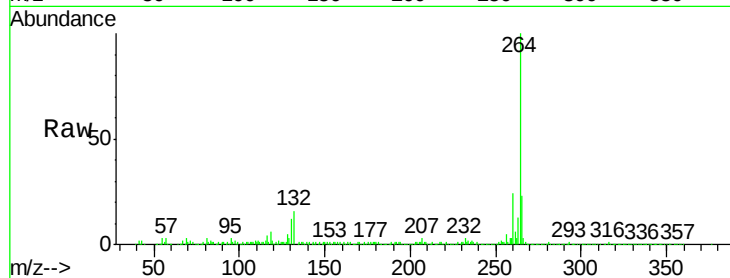
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	16.7	25.1
265	22.5	17.2	25.8

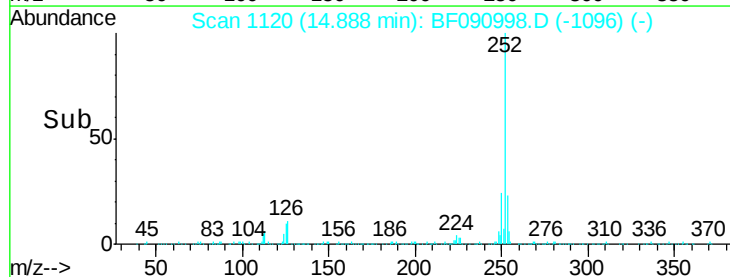
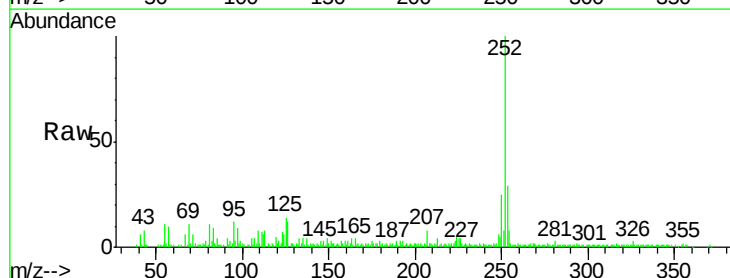
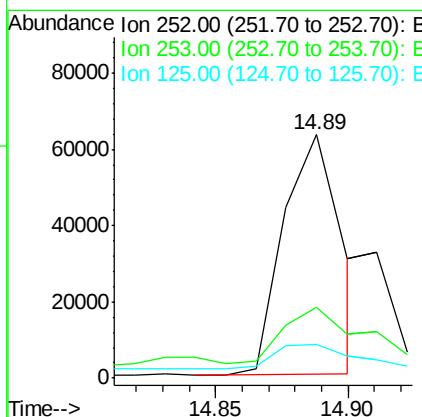
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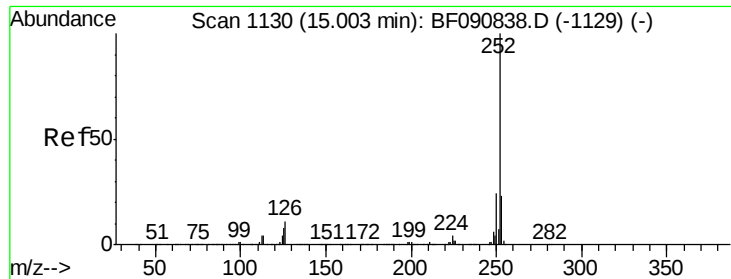
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#87
Benzo(b)fluoranthene
Concen: 5.04 ng m
RT: 14.89 min Scan# 1120
Delta R.T. -0.02 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.1	17.5	26.3#
125	13.9	17.1	25.7#





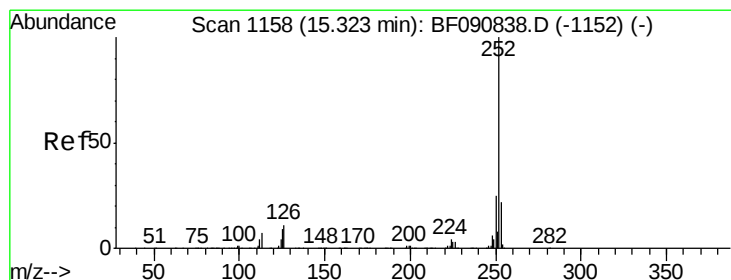
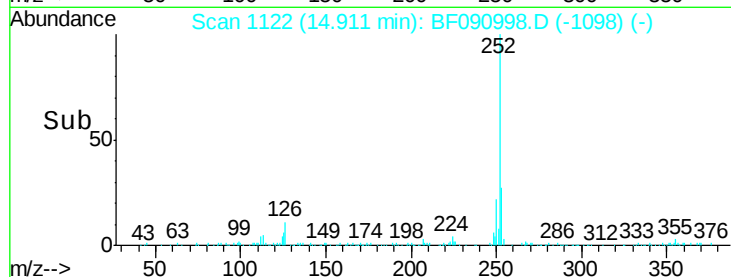
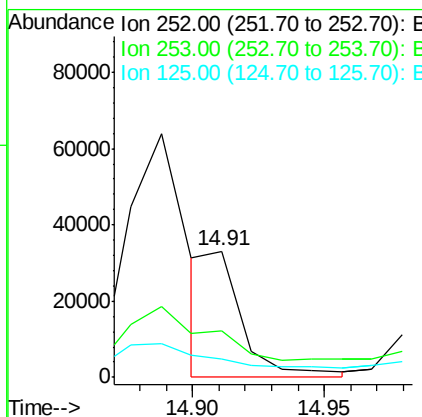
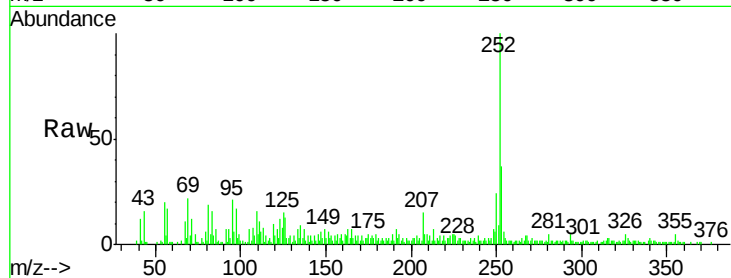
#88
Benzo(k)fluoranthene
Concen: 2.10 ng/mL
RT: 14.91 min Scan# 1122
Delta R.T. -0.02 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.4	17.0	25.4#
125	14.9	16.0	24.0#

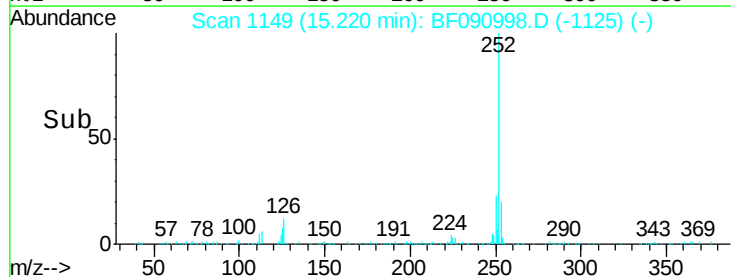
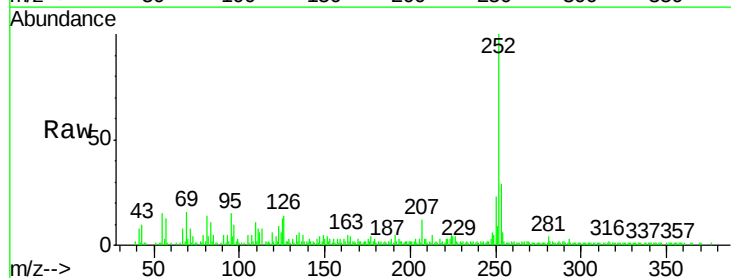
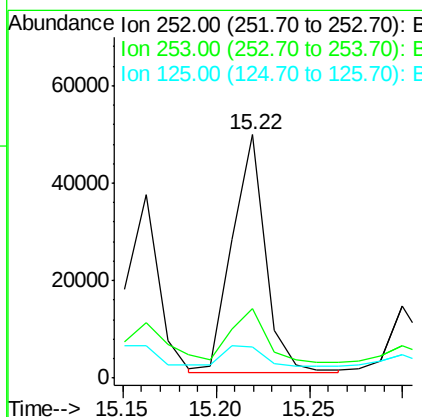
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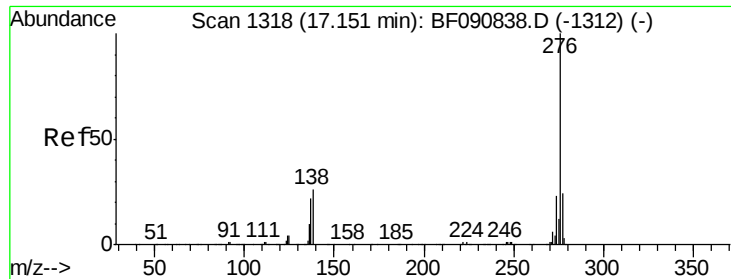
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#89
Benzo(a)pyrene
Concen: 3.75 ng/mL
RT: 15.22 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF090998.D
Acq: 2 Nov 2016 23:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.2	25.8#
125	12.7	18.0	27.0#





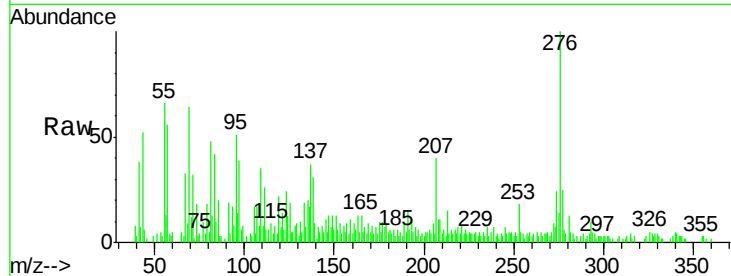
#91
 Benzo(a,h,i)perylene
 Concen: 2.26 ng
 RT: 16.99 min Scan# 1304
 Delta R.T. -0.05 min
 Lab File: BF090998.D
 Acq: 2 Nov 2016 23:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-73-0.5-1.0RE

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.8	26.6
138	31.5	34.6	51.8#

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

