

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098876.D
 Acq On : 27 Sep 2017 21:31
 Operator : SJ/JU
 Sample : I5423-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-092517-A

Manual Integrations
 APPROVED

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 9/28/2017 2:32:25 PM

Quant Time: Sep 28 05:03:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	138275	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	579981	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	251209	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	401247	20.00	ng	0.00
75) Chrysene-d12	14.08	240	302411	20.00	ng	0.00
86) Perylene-d12	15.57	264	240187	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	804532	92.62	ng	0.00
7) Phenol-d6	6.54	99	1005150	93.80	ng	0.00
23) Nitrobenzene-d5	7.47	82	590234	65.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	178578	86.88	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	991046	65.86	ng	-0.01
78) Terphenyl-d14	13.03	244	754749	56.76	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.55	94	32693	2.728	ng	82
49) Dimethylphthalate	9.66	163	155688	8.211	ng	99
70) Phenanthrene	11.46	178	190010	8.847	ng	98
71) Anthracene	11.52	178	48569	2.210	ng	98
74) Fluoranthene	12.66	202	178471	8.206	ng	100
77) Pyrene	12.89	202	198357	8.602	ng	99
80) Benzo(a)anthracene	14.07	228	68613	3.747	ng	94
82) Chrysene	14.11	228	67979	3.899	ng	97
85) Indeno(1,2,3-cd)pyrene	17.08	276	30015	2.152	ng	96
87) Benzo(b)fluoranthene	15.13	252	87622m	5.933	ng	
89) Benzo(a)pyrene	15.51	252	62066	4.579	ng	# 86
91) Benzo(a,h,i)perylene	17.54	276	32499	3.031	ng	# 85

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

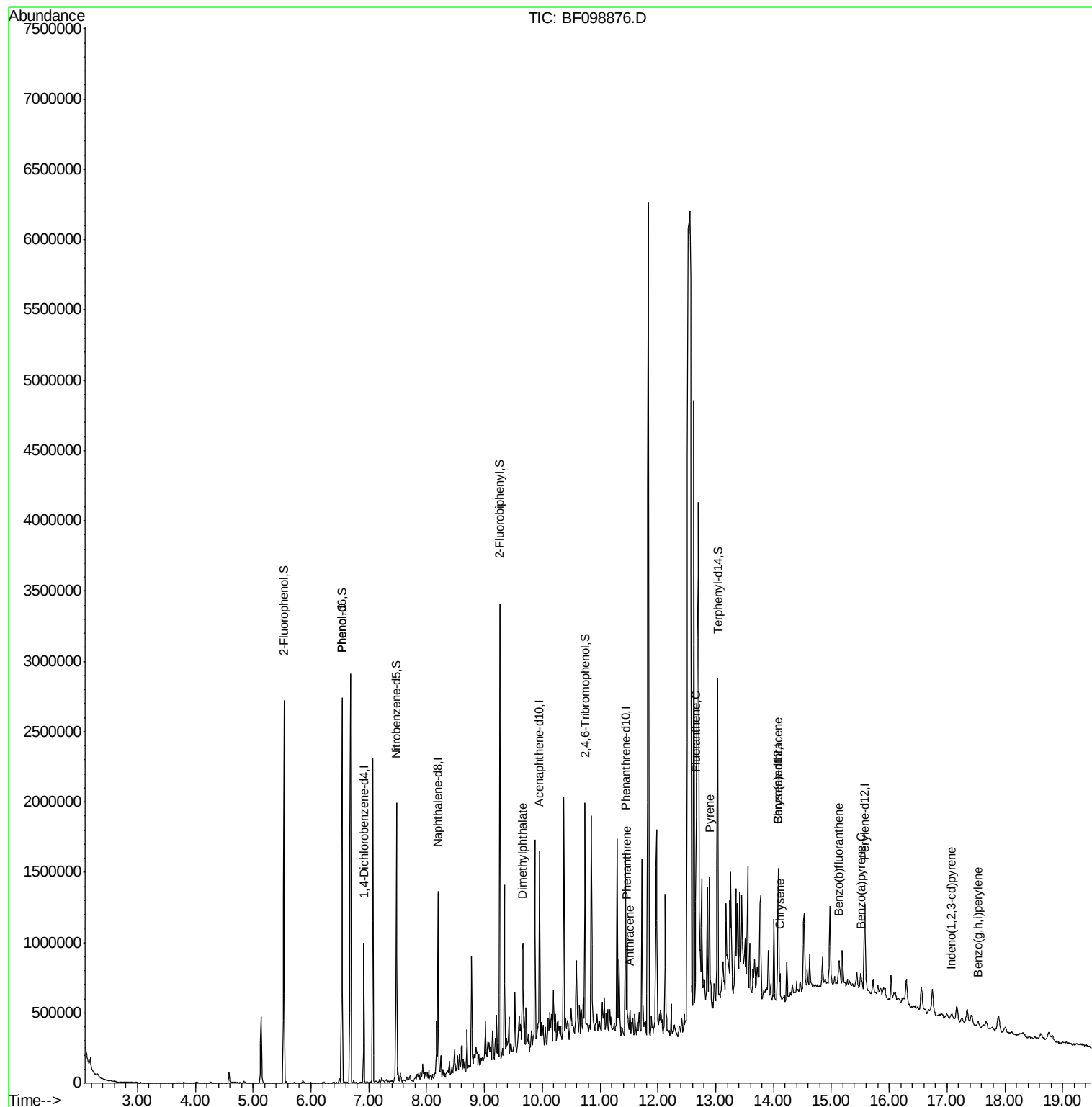
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
Data File : BF098876.D
Acq On : 27 Sep 2017 21:31
Operator : SJ/JU
Sample : I5423-01
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ALS Vial : 12 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
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#1

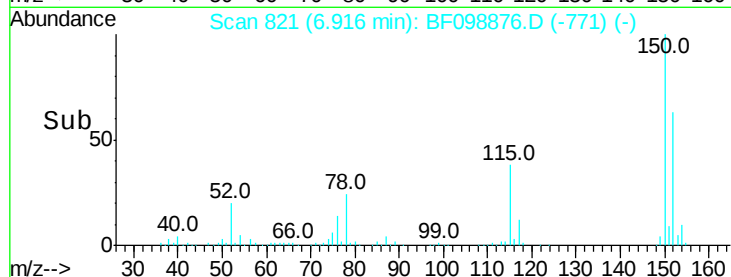
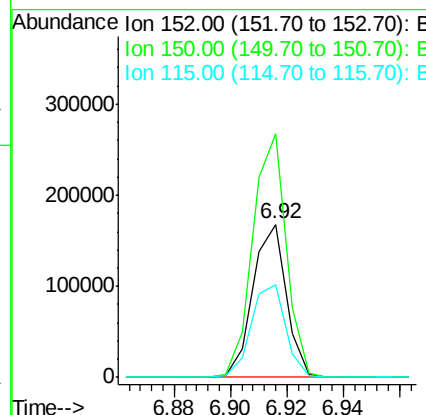
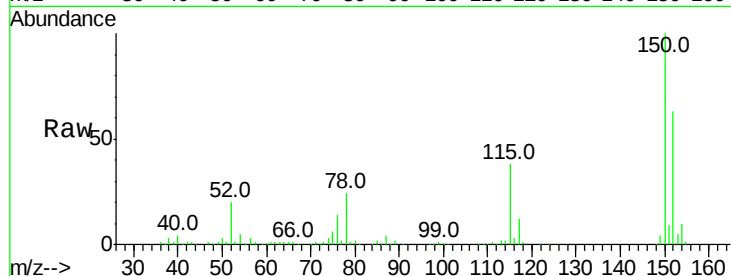
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Instrument :
BNA_F
ClientSampleId :
SA-06-092517-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.6	186.8
115	60.4	50.1	75.1

Manual Integrations
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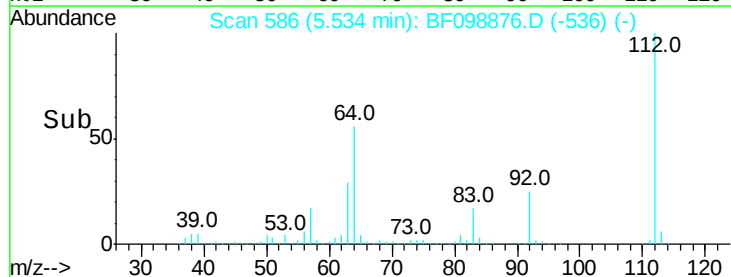
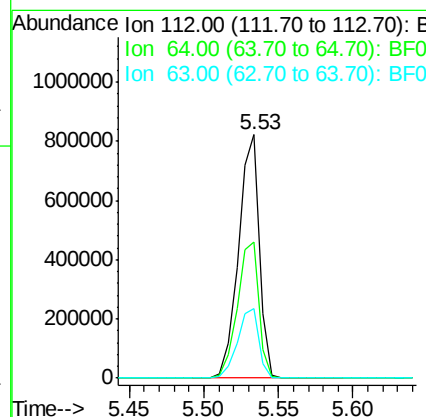
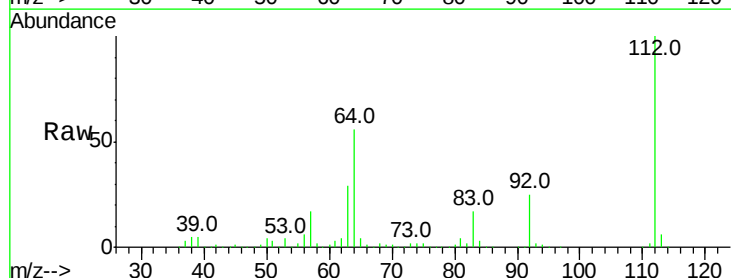
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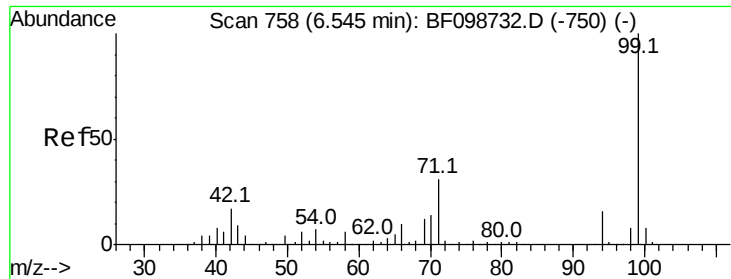


#5

2-Fluorophenol
Concen: 92.622 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	47.9	71.9
63	28.8	23.7	35.5





#7

Phenol-d6

Concen: 93.805 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098876.D

Acq: 27 Sep 2017 21:31

Instrument :

BNA_F

ClientSampled :

SA-06-092517-A

Tot Ion: 99 Resp: 1005150

Ion Ratio Lower Upper

99 100

42 17.3 14.5 21.7

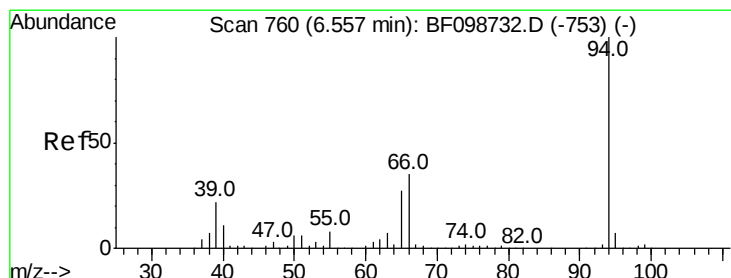
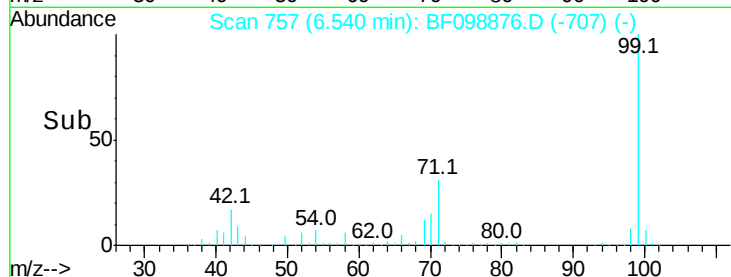
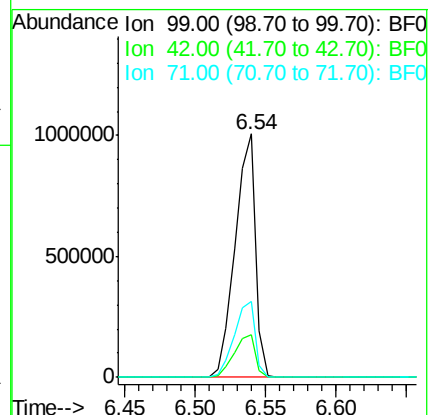
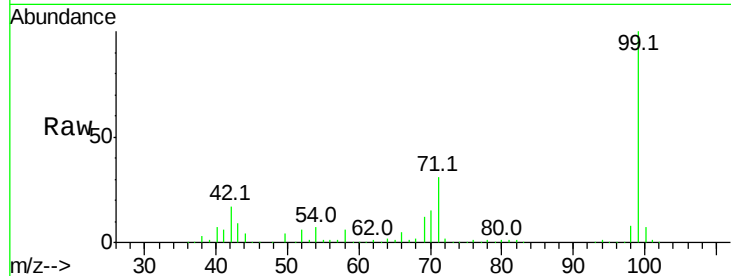
71 31.3 25.4 38.0

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#10

Phenol

Concen: 2.728 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF098876.D

Acq: 27 Sep 2017 21:31

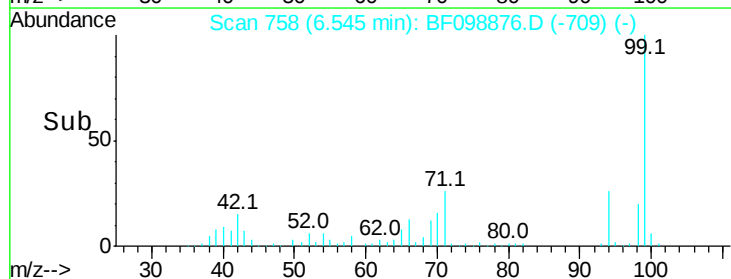
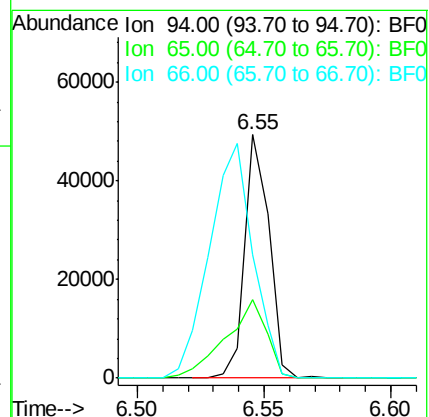
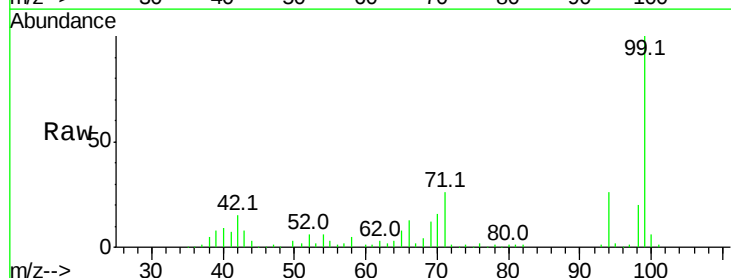
Tgt Ion: 94 Resp: 32693

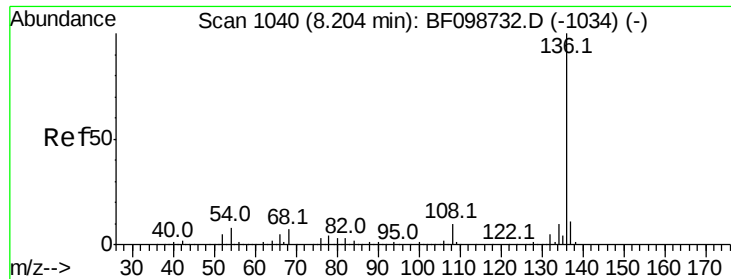
Ion Ratio Lower Upper

94 100

65 32.4 7.9 47.9

66 50.8 16.2 56.2





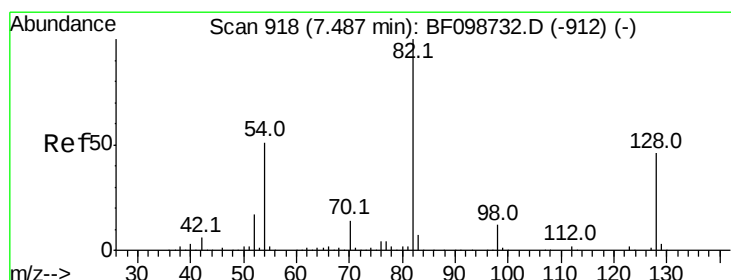
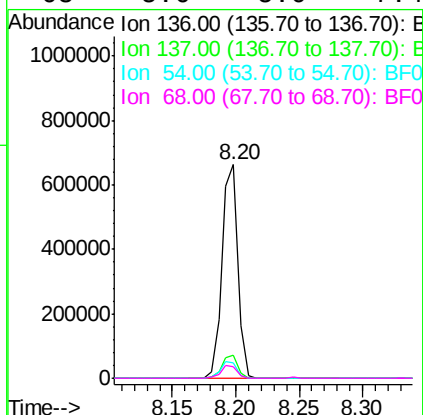
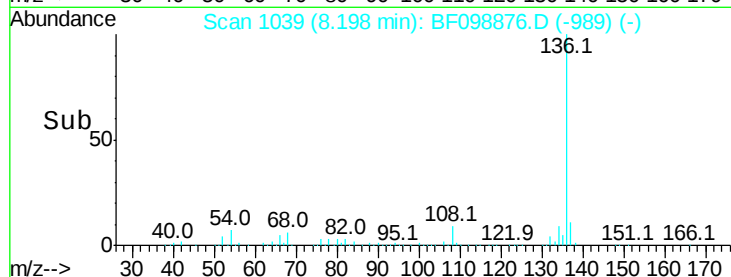
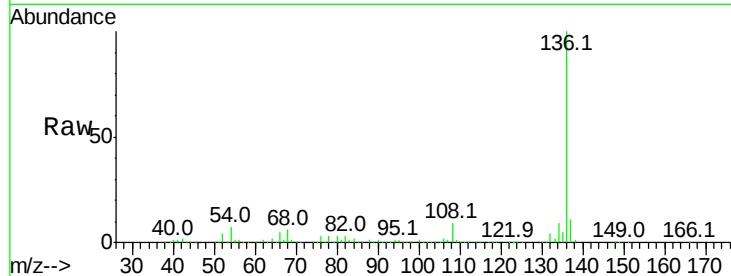
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Instrument :
BNA_F
ClientSampleId :
SA-06-092517-A

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.9	13.3	
54	7.4	6.6	9.8	
68	5.6	5.0	7.4	

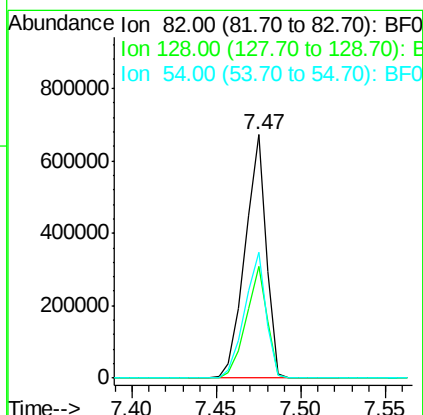
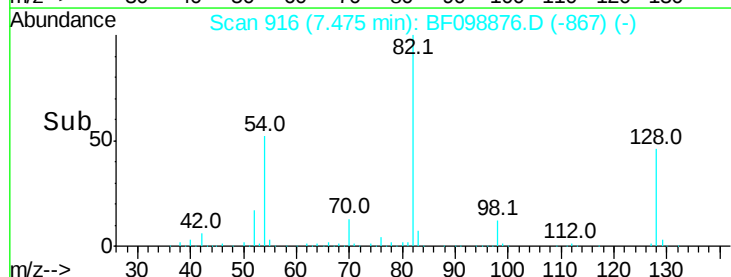
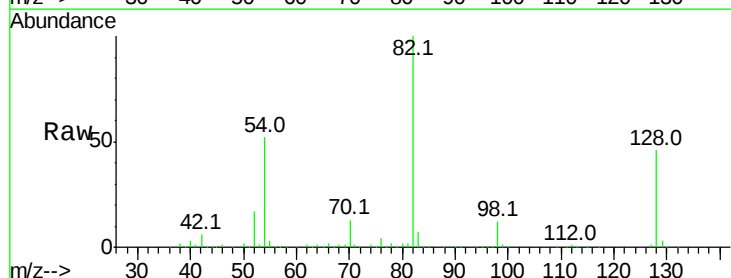
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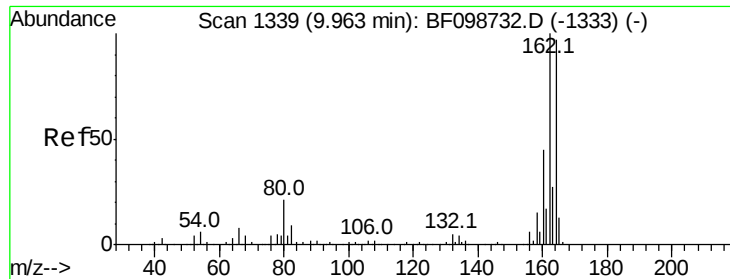
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#23
Nitrobenzene-d5
Concen: 65.264 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.9	36.1	54.1	
54	51.8	41.4	62.2	





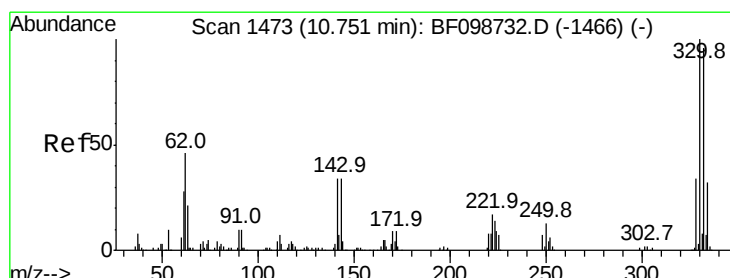
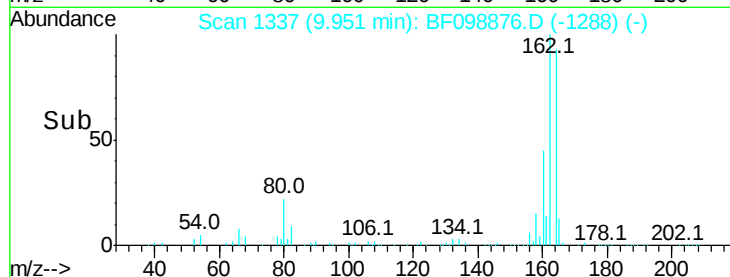
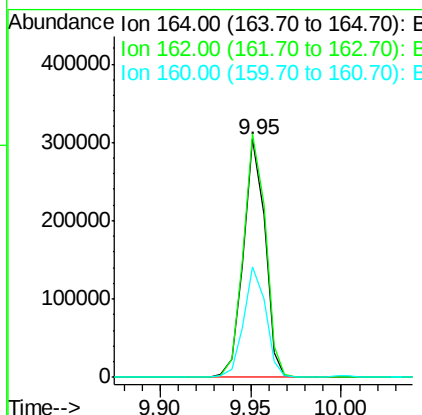
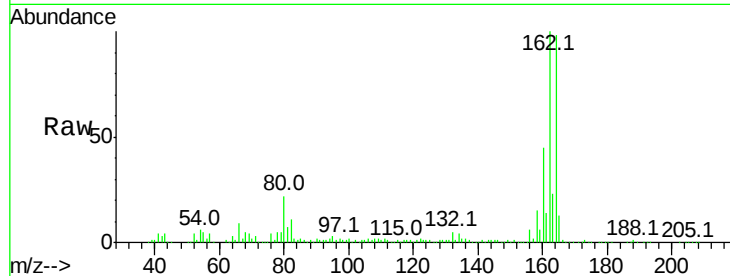
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Instrument :
BNA_F
ClientSampleId :
SA-06-092517-A

Tot Ion	Ratio	Resp	Lower	Upper
164	100	251209		
162	102.3	86.1	129.1	
160	46.4	38.3	57.5	

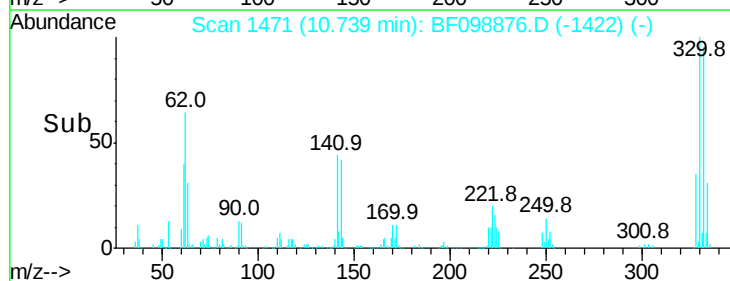
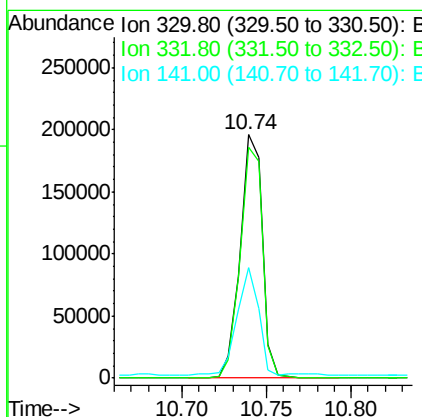
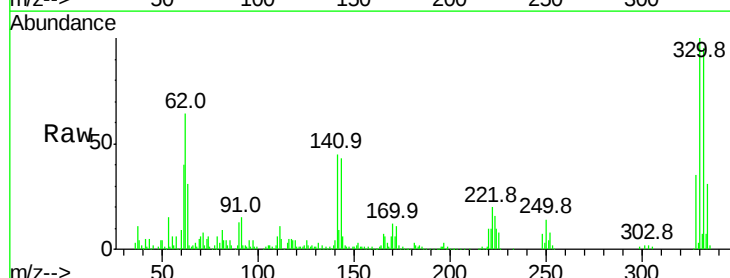
Manual Integrations
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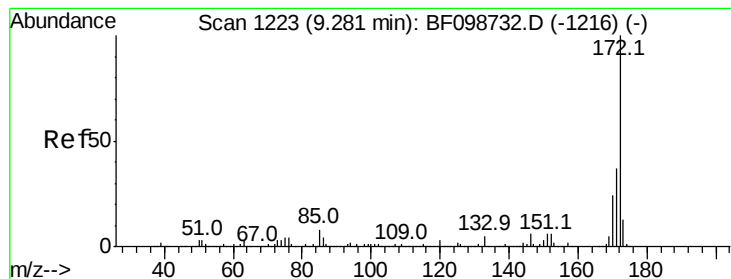
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#41
2,4,6-Tribromophenol
Concen: 86.875 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	178578		
332	96.7	77.0	115.6	
141	43.9	29.9	44.9	





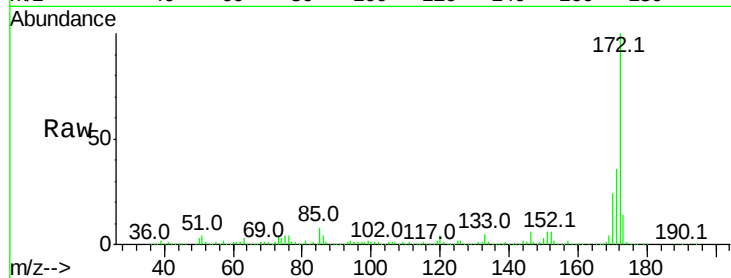
#44
2-Fluorobiphenyl
Concen: 65.860 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Instrument :
BNA_F
ClientSampleId :
SA-06-092517-A

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.7	44.5	
170	23.9	19.6	29.4	

Manual Integrations
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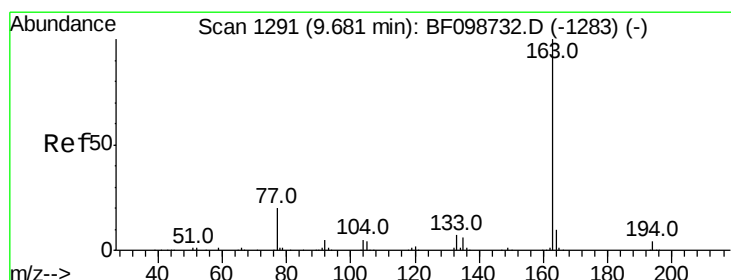
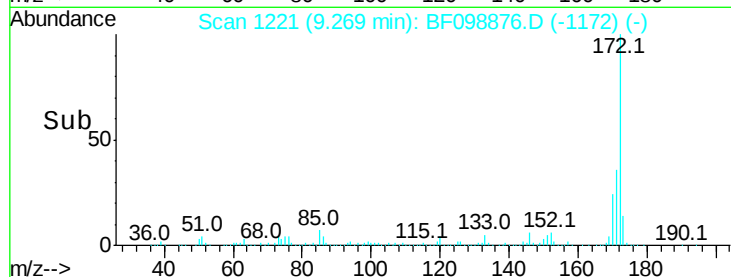
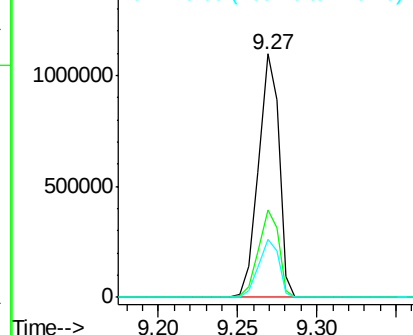


Abundance

Ion 172.00 (171.70 to 172.70): E

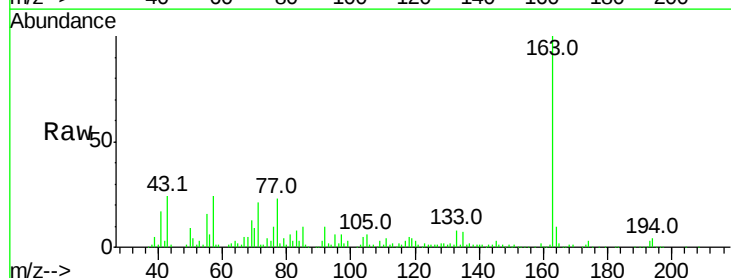
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Dimethylphthalate
Concen: 8.211 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.0	2.7	4.1	
164	10.1	8.2	12.2	

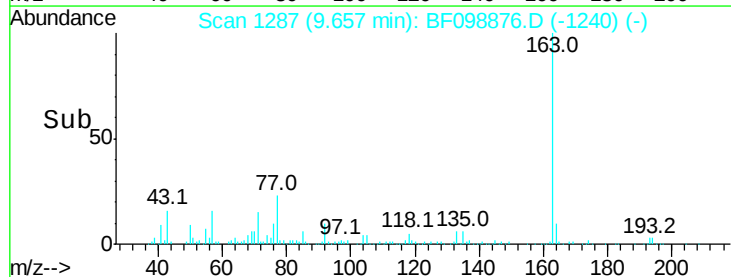
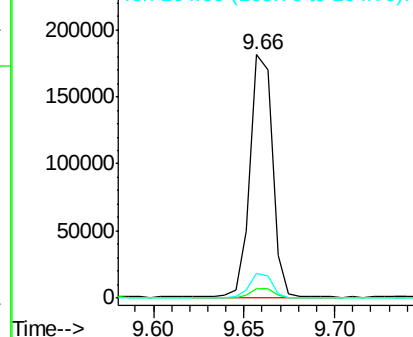


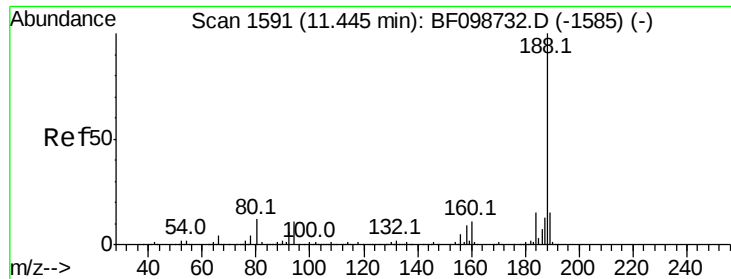
Abundance

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: 20.000 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF098876.D

Acq: 27 Sep 2017 21:31

Instrument :

BNA_F

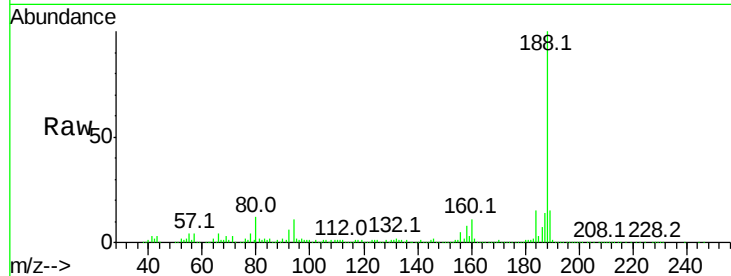
ClientSampleId :

SA-06-092517-A

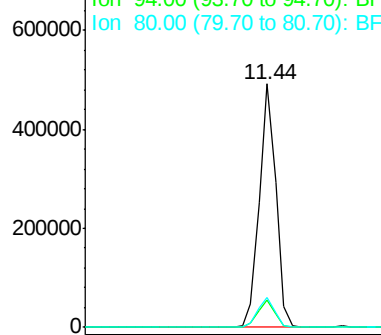
Tot Ion:	188	Resp:	401247
Ion Ratio	Lower	Upper	
188	100		
94	11.3	8.5	12.7
80	12.3	9.2	13.8

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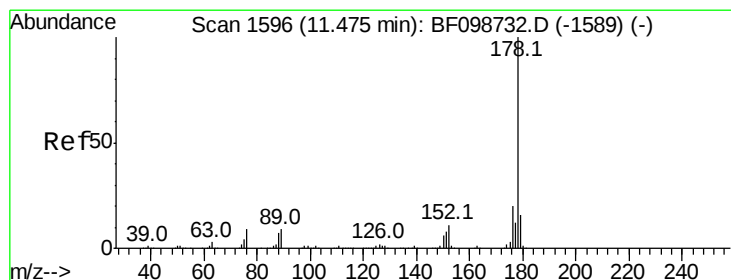
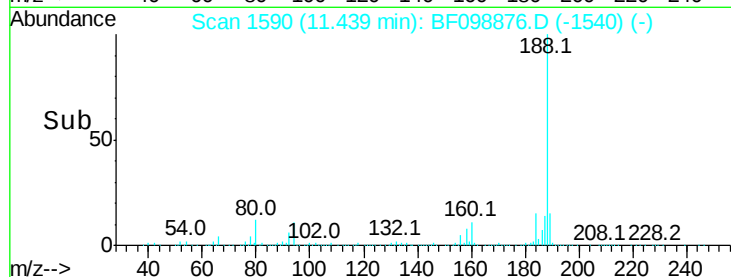
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Abundance Ion 188.00 (187.70 to 188.70): E



Time-->



#70

Phenanthrene

Concen: 8.847 ng

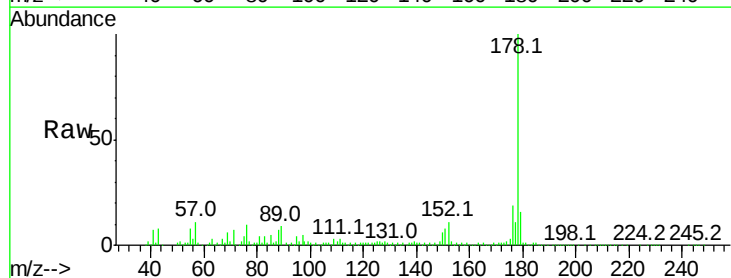
RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

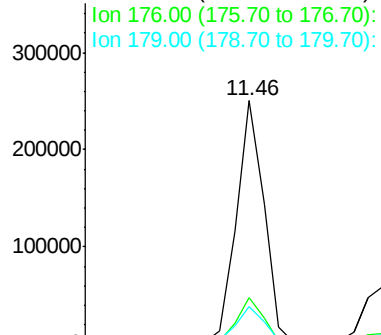
Lab File: BF098876.D

Acq: 27 Sep 2017 21:31

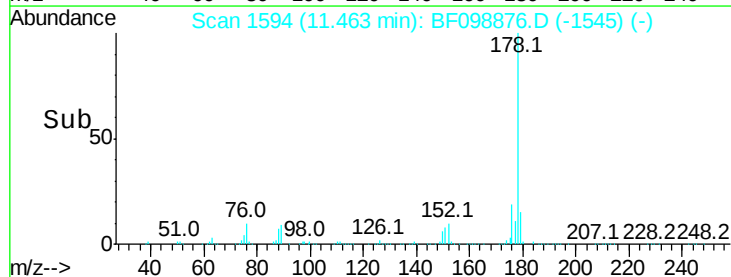
Tgt Ion:	178	Resp:	190010
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.8	23.8
179	15.6	13.0	19.6

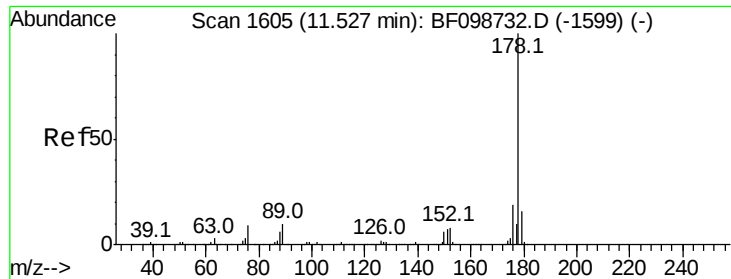


Abundance Ion 178.00 (177.70 to 178.70): E



Time-->





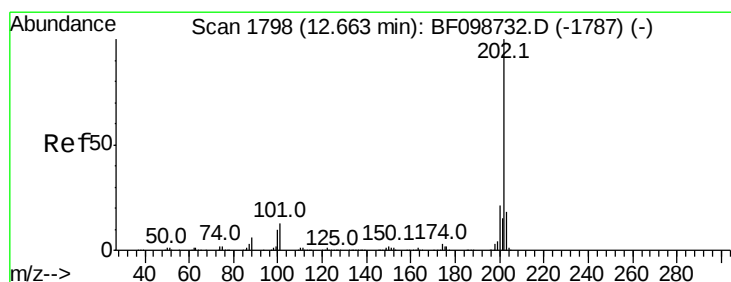
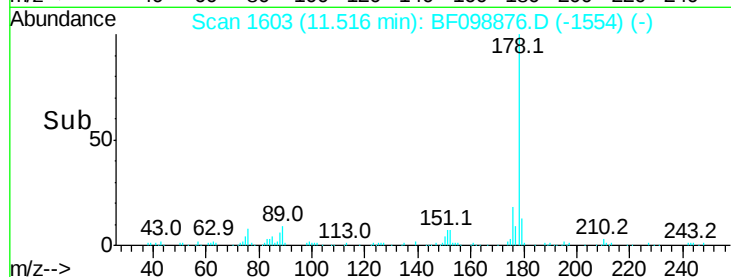
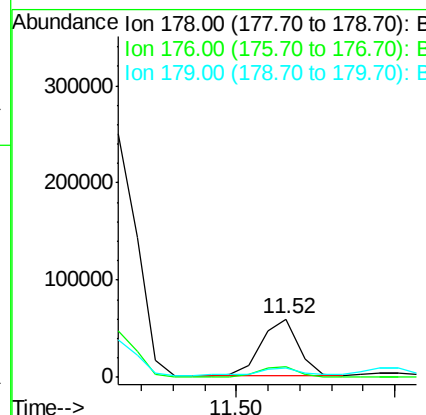
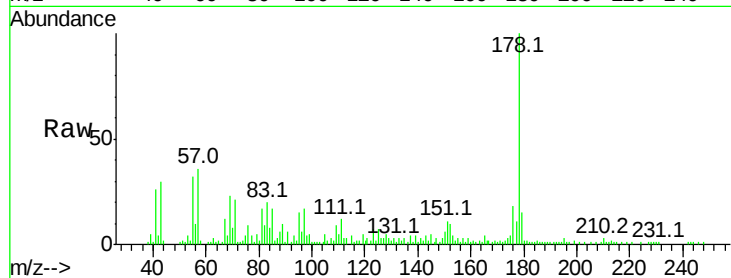
#71
 Anthracene
 Concen: 2.210 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF098876.D
 Acq: 27 Sep 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-092517-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.0	12.6	19.0

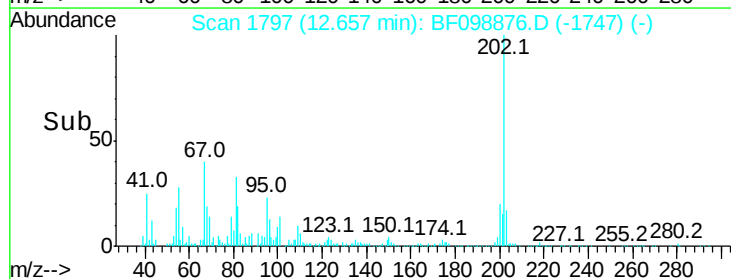
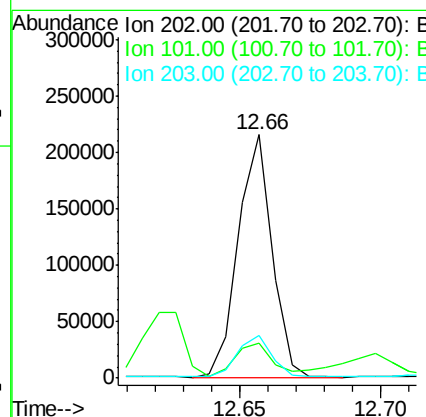
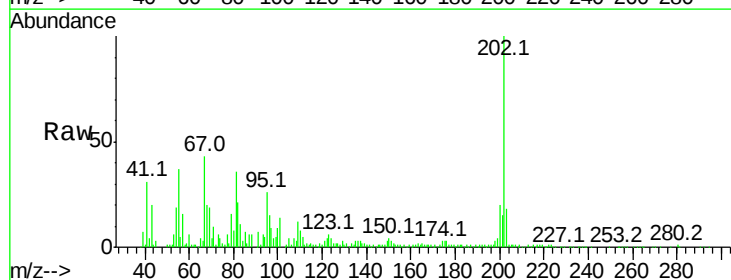
Manual Integrations
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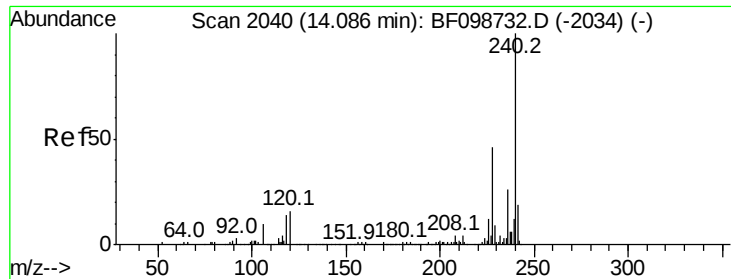
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#74
 Fluoranthene
 Concen: 8.206 ng
 RT: 12.66 min Scan# 1797
 Delta R.T. -0.01 min
 Lab File: BF098876.D
 Acq: 27 Sep 2017 21:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098876.D

Acq: 27 Sep 2017 21:31

Instrument :

BNA_F

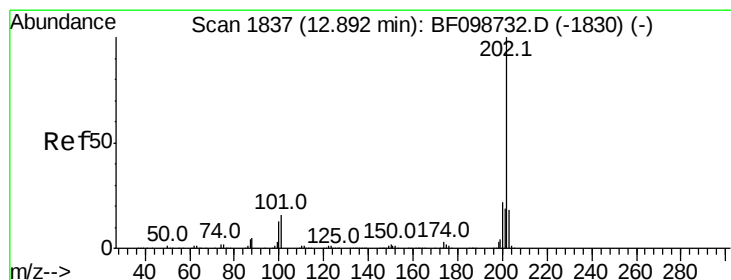
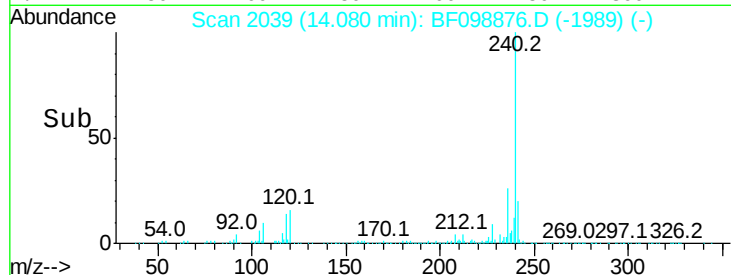
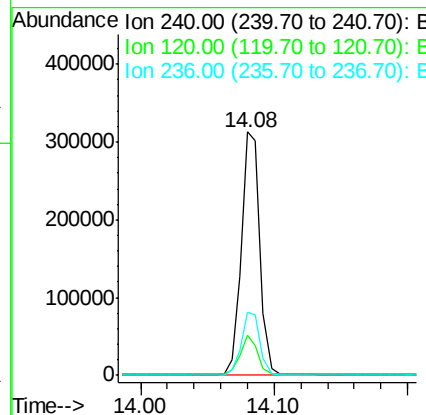
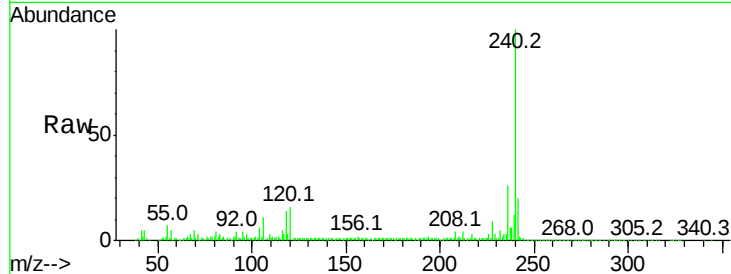
ClientSampleId :

SA-06-092517-A

Tot Ion:	240	Resp:	302411
Ion Ratio	Lower	Upper	
240	100		
120	16.2	9.5	14.3#
236	26.2	20.7	31.1

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#77

Pyrene

Concen: 8.602 ng

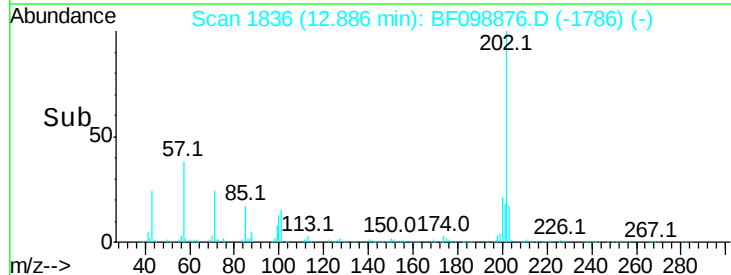
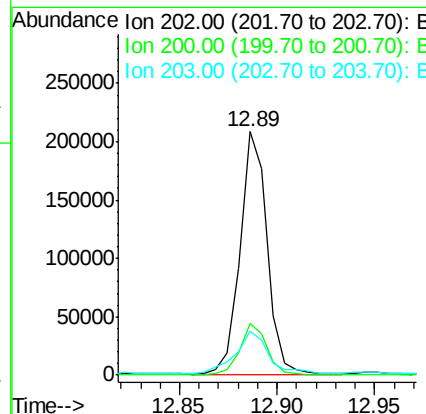
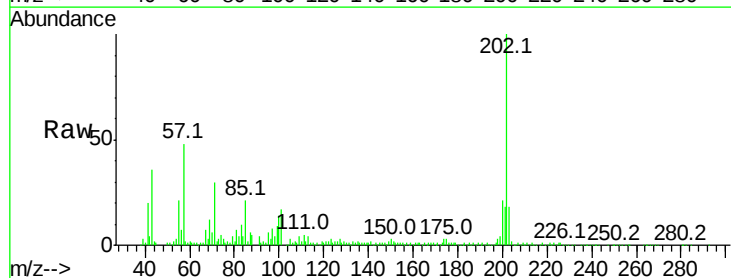
RT: 12.89 min Scan# 1836

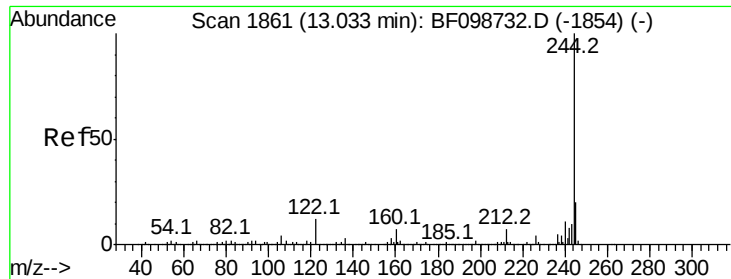
Delta R.T. -0.01 min

Lab File: BF098876.D

Acq: 27 Sep 2017 21:31

Tgt Ion:	202	Resp:	198357
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	18.3	14.3	21.5





#78

Terphenyl-d14

Concen: 56.759 ng

RT: 13.03 min Scan# 1861

Delta R.T. -0.00 min

Lab File: BF098876.D

Acq: 27 Sep 2017 21:31

Instrument :

BNA_F

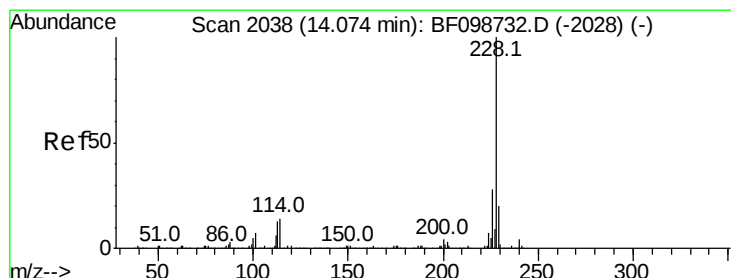
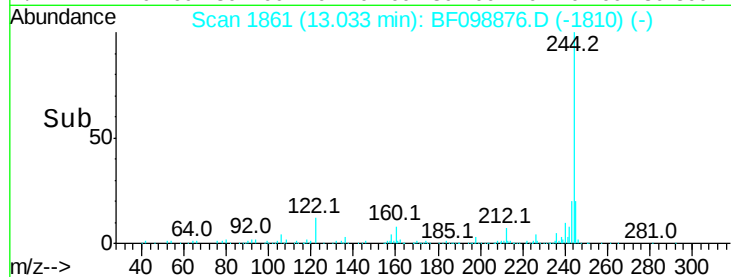
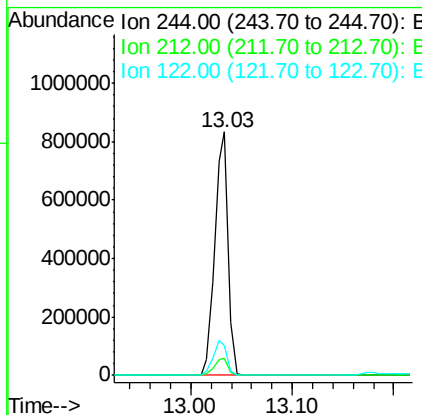
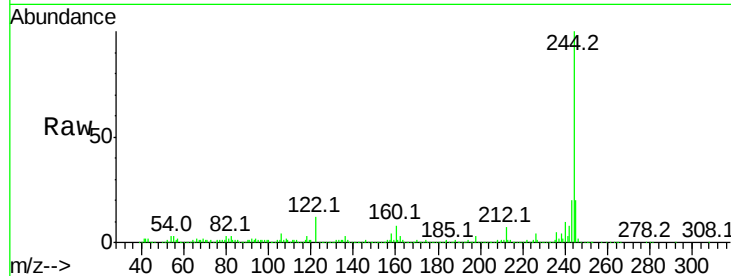
ClientSampleId :

SA-06-092517-A

Tot Ion:	244	Resp:	754749
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	12.3	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 3.747 ng

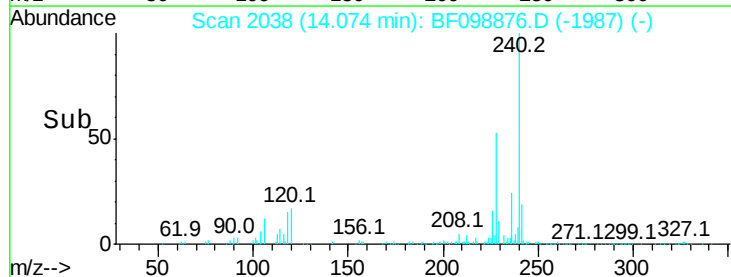
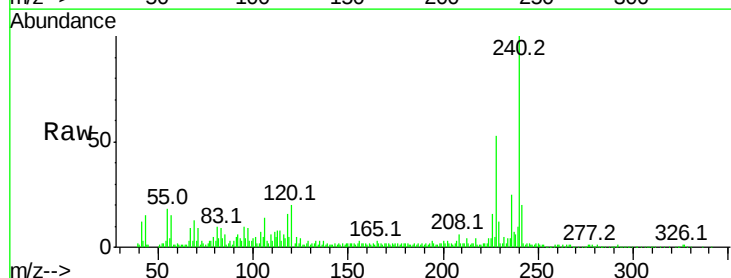
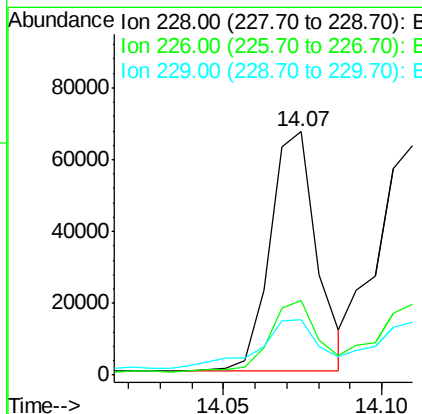
RT: 14.07 min Scan# 2038

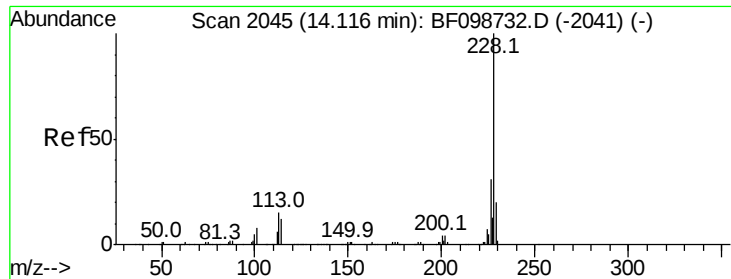
Delta R.T. -0.00 min

Lab File: BF098876.D

Acq: 27 Sep 2017 21:31

Tgt Ion:	228	Resp:	68613
Ion Ratio	Lower	Upper	
228	100		
226	30.8	22.6	33.8
229	22.9	15.8	23.6





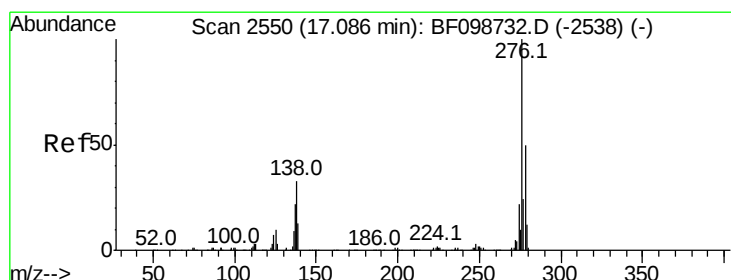
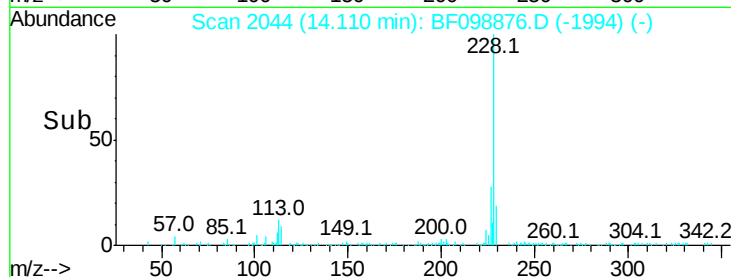
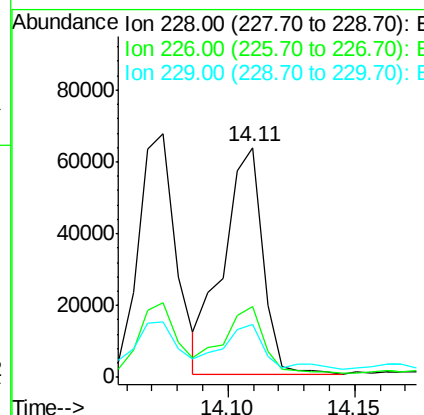
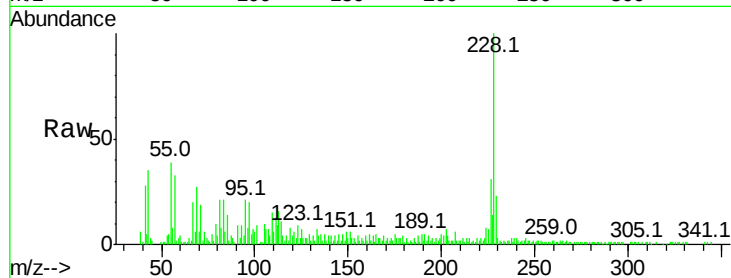
#82
Chrysene
Concen: 3.899 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Instrument :
BNA_F
ClientSampleId :
SA-06-092517-A

Tot Ion:	228	Resp:	67979
Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	22.7	16.2	24.4

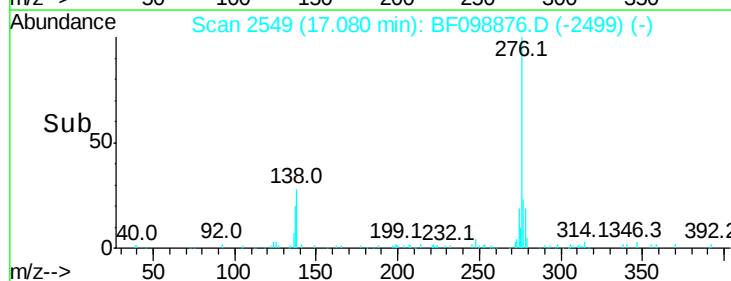
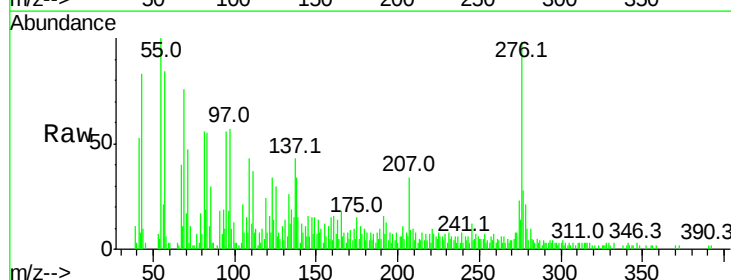
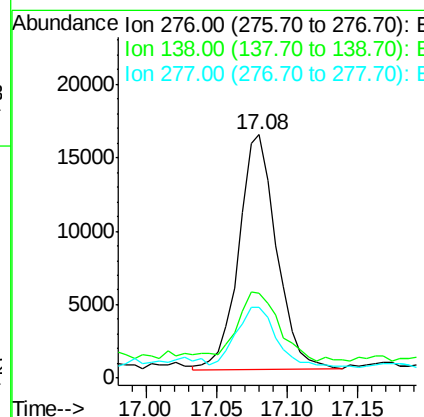
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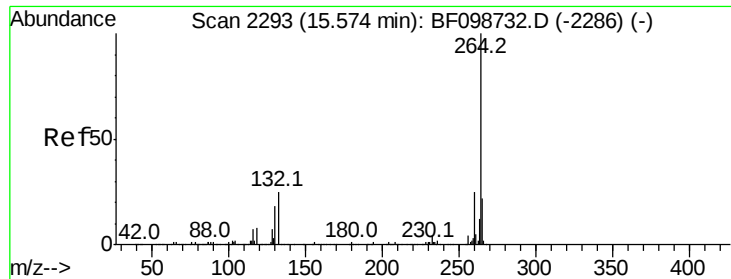
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.152 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Tgt Ion:	276	Resp:	30015
Ion	Ratio	Lower	Upper
276	100		
138	32.1	25.0	37.6
277	28.3	20.1	30.1





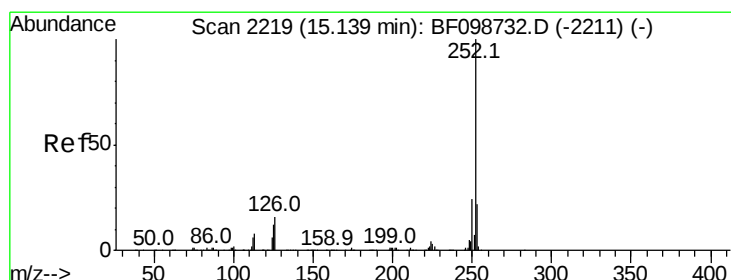
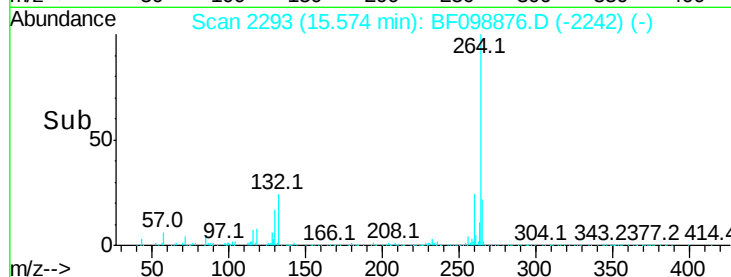
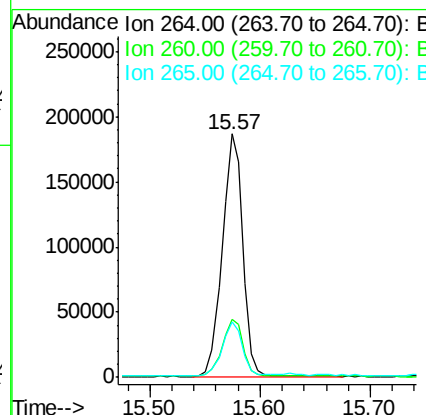
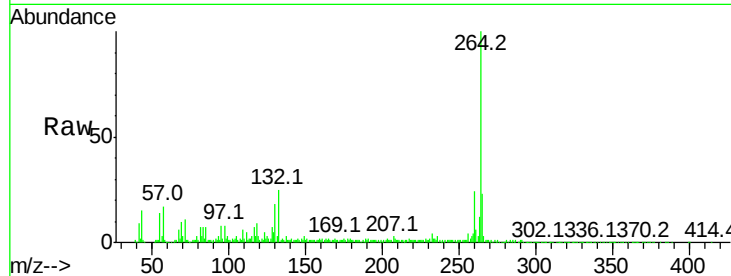
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Instrument :
BNA_F
ClientSampleId :
SA-06-092517-A

Tot Ion	Ratio	Resp	Lower	Upper
264	100	240187		
260	24.1	19.2	28.8	
265	22.8	17.5	26.3	

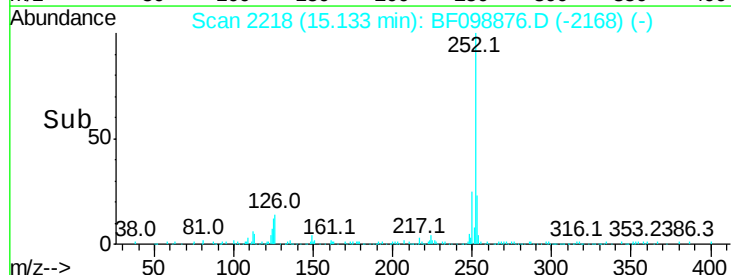
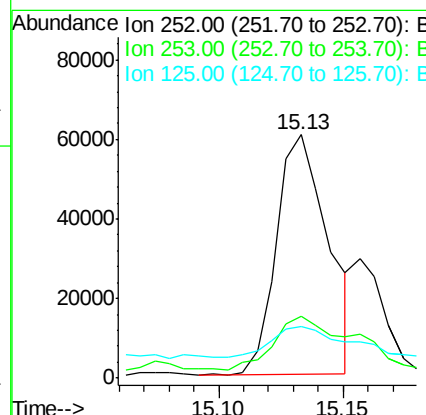
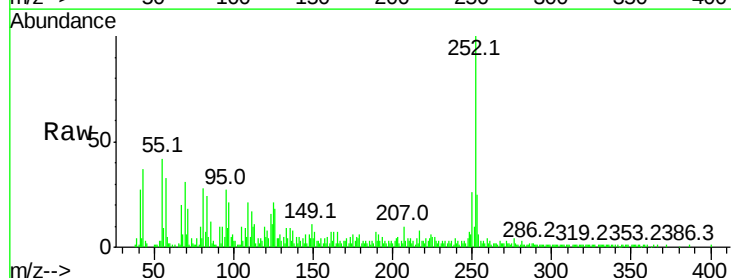
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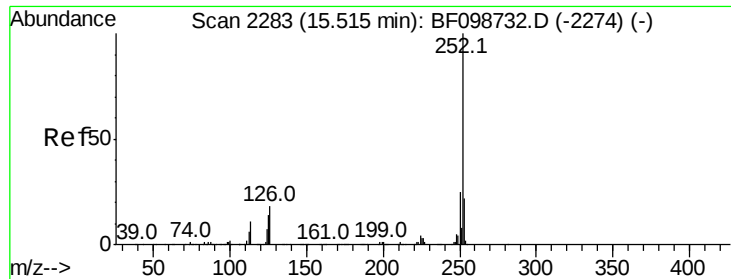
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#87
Benzo(b)fluoranthene
Concen: 5.933 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	87622		
253	25.5	17.0	25.6	
125	21.3	9.0	13.6	





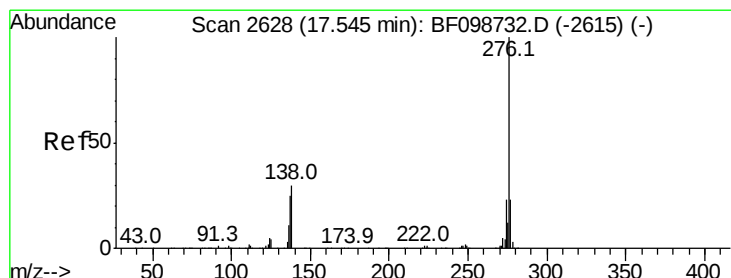
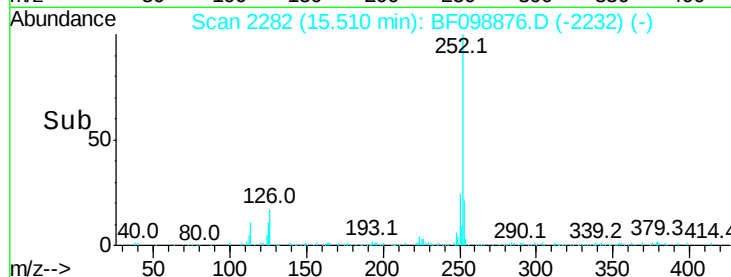
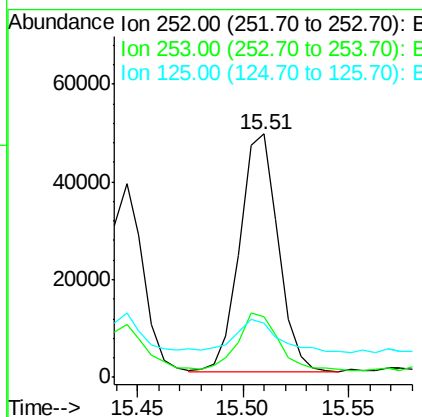
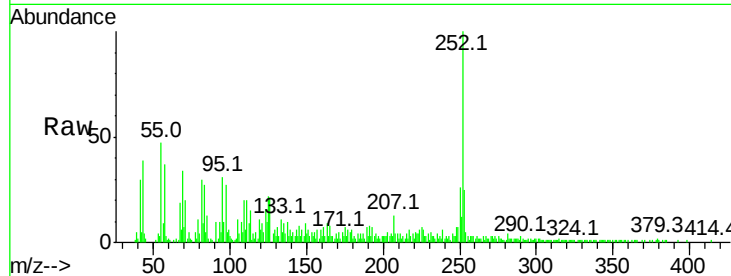
#89
Benzo(a)pyrene
Concen: 4.579 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Instrument :
BNA_F
ClientSampleId :
SA-06-092517-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	22.3	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.031 ng
RT: 17.54 min Scan# 2627
Delta R.T. -0.01 min
Lab File: BF098876.D
Acq: 27 Sep 2017 21:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.6	17.9	26.9
138	37.4	21.8	32.8

