

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
 Data File : BF087876.D
 Acq On : 10 Jun 2016 15:58
 Operator : UM/SJ
 Sample : H3426-07 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-53

Manual Integrations
 APPROVED

SOHIL
 6/13/2016 7:11:02 PM

Quant Time: Jun 10 18:28:04 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	122255m	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	478048	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	208312	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	327887	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	263074	20.00	ng	-0.03
86) Perylene-d12	15.36	264	239352	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	444902	62.21	ng	-0.02
7) Phenol-d6	6.44	99	567445	65.47	ng	-0.03
23) Nitrobenzene-d5	7.37	82	280160	34.22	ng	-0.05
41) 2,4,6-Tribromophenol	10.63	330	97263	44.22	ng	-0.05
44) 2-Fluorobiphenyl	9.18	172	549001	38.36	ng	-0.03
78) Terphenyl-d14	12.90	244	310663	26.87	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	54898	3.64	ng	99
70) Phenanthrene	11.35	178	367421	21.35	ng	99
71) Anthracene	11.39	178	66283	3.82	ng	98
72) Carbazole	11.55	167	38082	2.34	ng	97
74) Fluoranthene	12.54	202	659568	36.32	ng	97
77) Pyrene	12.77	202	527887	27.04	ng	99
80) Benzo(a)anthracene	13.94	228	282149	18.82	ng	99
82) Chrysene	13.98	228	291166m	20.64	ng	
85) Indeno(1,2,3-cd)pyrene	16.72	276	113756	8.68	ng	# 100
87) Benzo(b)fluoranthene	14.96	252	422044m	25.30	ng	
88) Benzo(k)fluoranthene	14.98	252	52348m	4.16	ng	
89) Benzo(a)pyrene	15.30	252	229088m	16.97	ng	
90) Dibenzo(a,h)anthracene	16.73	278	32636	2.60	ng	95
91) Benzo(g,h,i)perylene	17.12	276	100475	7.79	ng	100

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

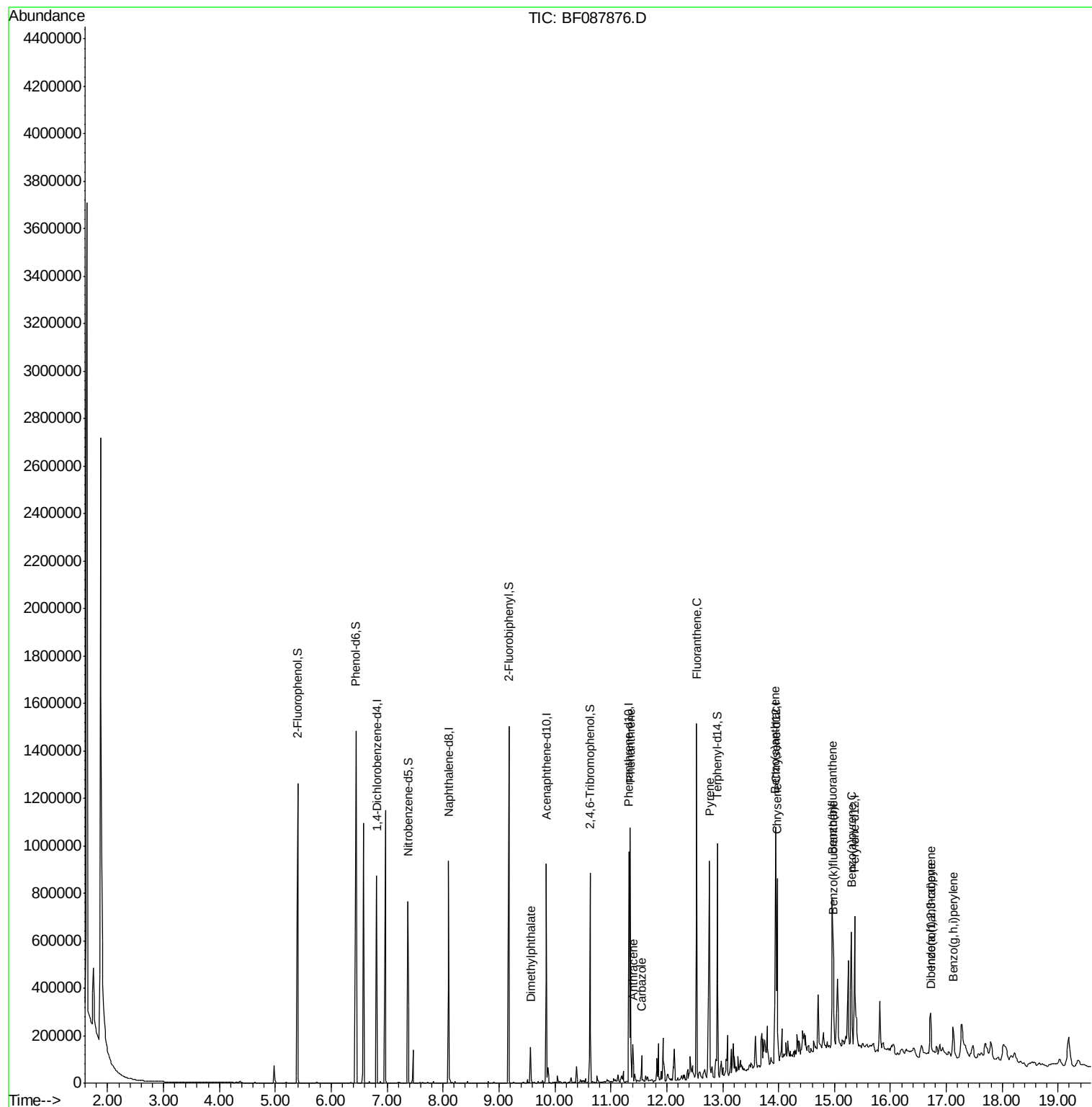
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
Data File : BF087876.D
Acq On : 10 Jun 2016 15:58
Operator : UM/SJ
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Misc :
ALS Vial : 9 Sample Multiplier: 1

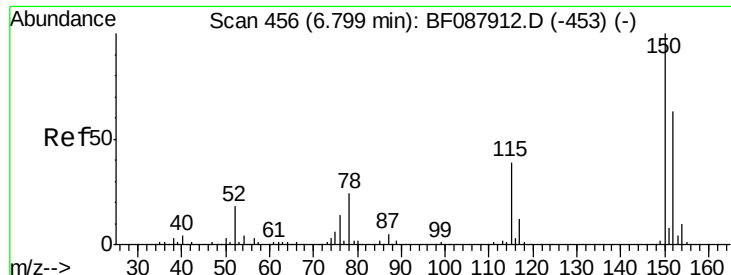
Instrument :
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ClientSampleId :
SS-53

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#1

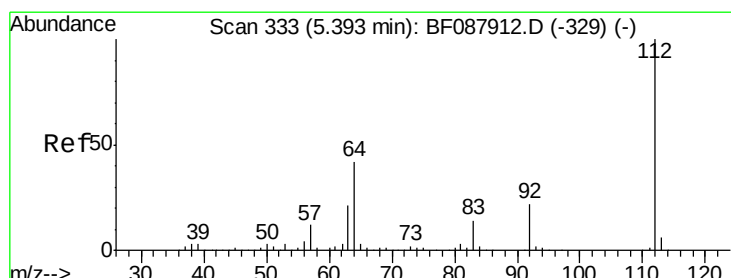
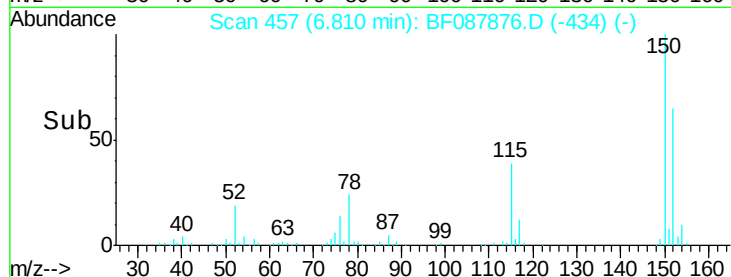
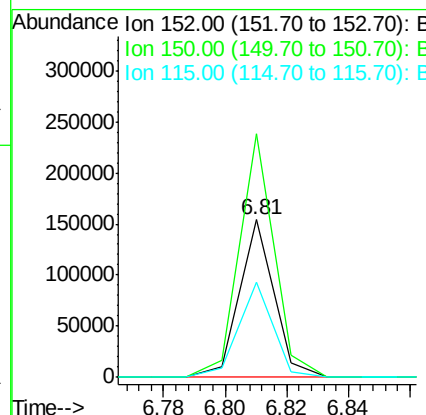
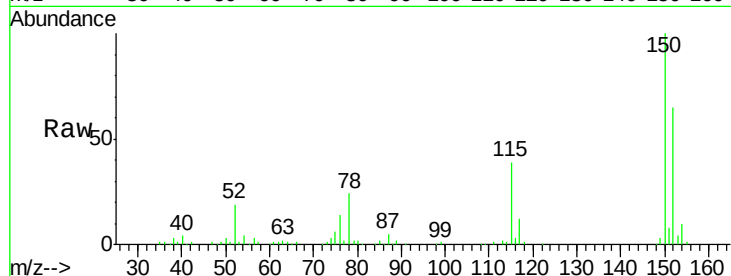
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/ml
RT: 6.81 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF087876.D
Acq: 10 Jun 2016 15:58

Instrument :
BNA_F
ClientSampleId :
SS-53

Tot Ion	Ratio	Resp	Lower	Upper
152	100	122255		
150	154.7	123.8	185.6	
115	60.6	39.6	59.4	

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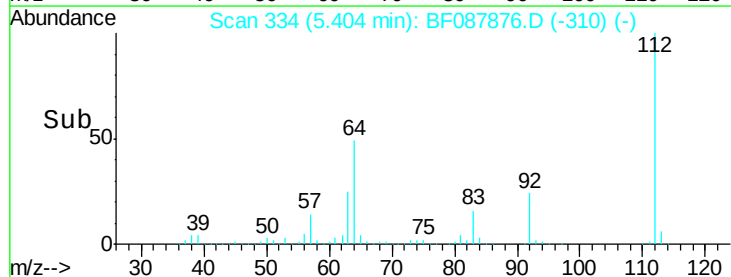
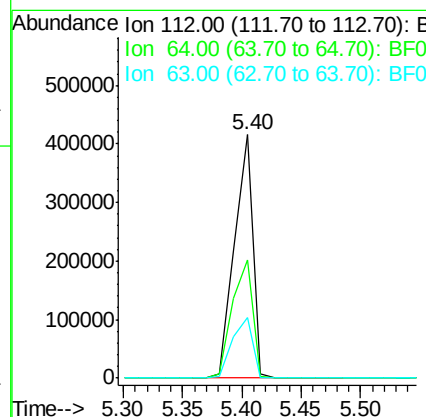
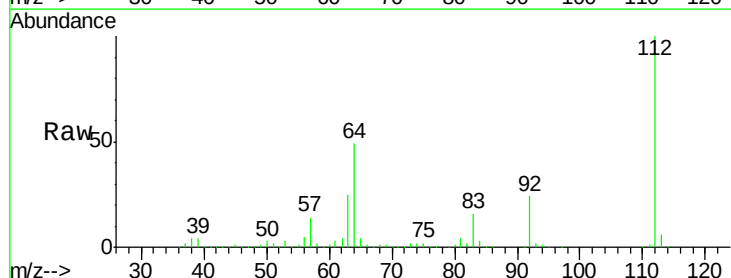
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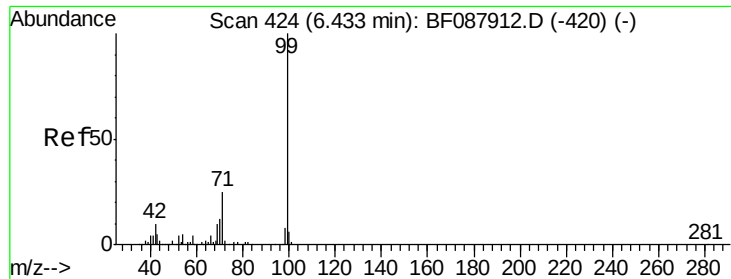


#5

2-Fluorophenol
Concen: 62.21 ng
RT: 5.40 min Scan# 334
Delta R.T. -0.02 min
Lab File: BF087876.D
Acq: 10 Jun 2016 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	444902		
64	48.7	42.2	63.2	
63	25.1	21.8	32.8	





#7

Phenol-d6

Concen: 65.47 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087876.D

Acq: 10 Jun 2016 15:58

Instrument :

BNA_F

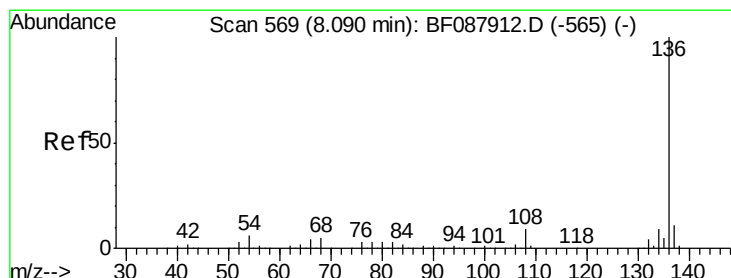
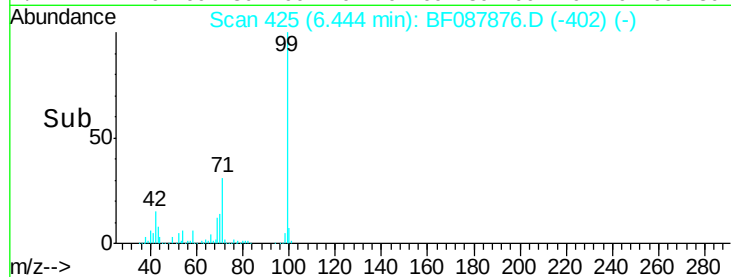
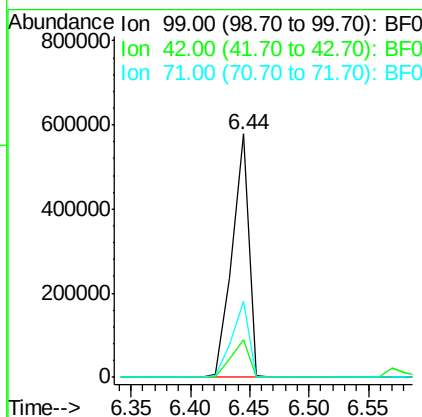
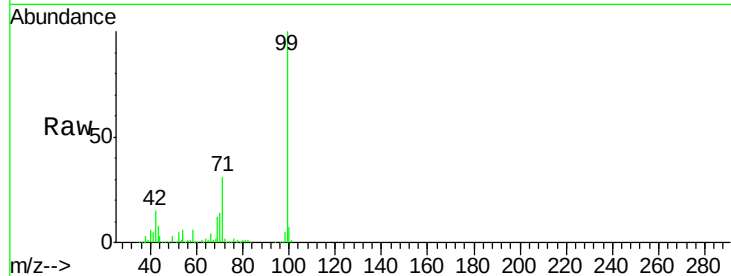
ClientSampleId :

SS-53

Tot Ion:	99	Resp:	567445
Ion Ratio	Lower	Upper	
99	100		
42	15.3	12.2	18.2
71	31.2	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

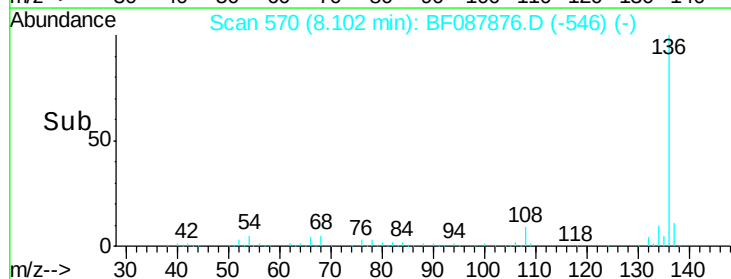
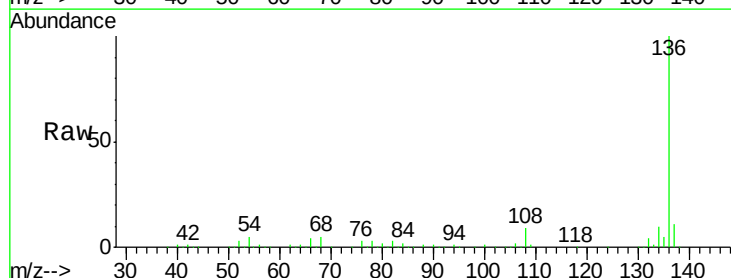
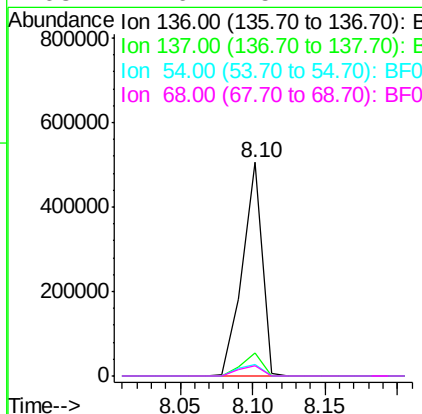
RT: 8.10 min Scan# 570

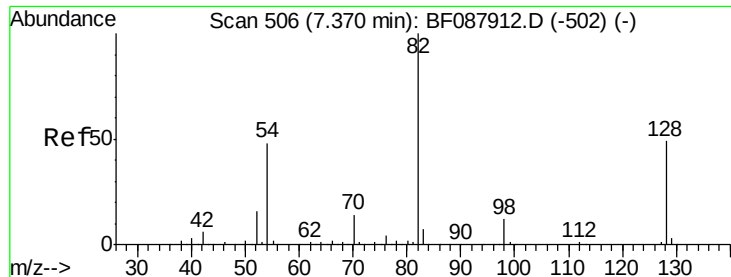
Delta R.T. -0.02 min

Lab File: BF087876.D

Acq: 10 Jun 2016 15:58

Tgt Ion:	136	Resp:	478048
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.1	13.7
54	5.4	6.6	10.0#
68	4.6	5.1	7.7#





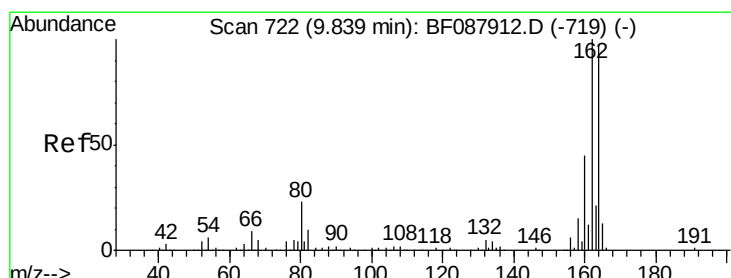
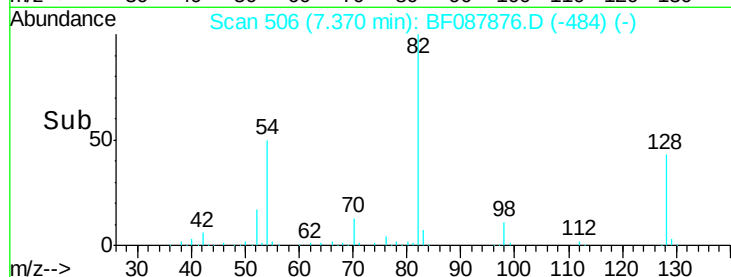
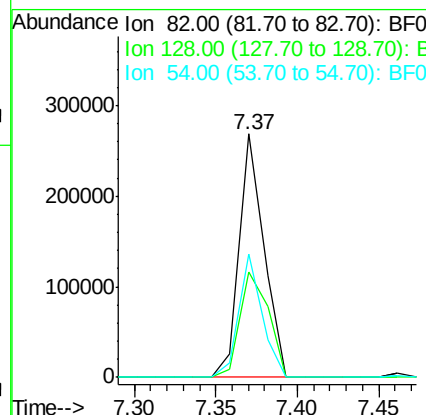
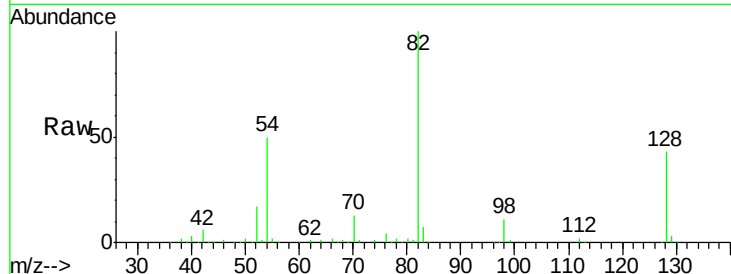
#23
 Nitrobenzene-d5
 Concen: 34.22 ng
 RT: 7.37 min Scan# 506
 Delta R.T. -0.05 min
 Lab File: BF087876.D
 Acq: 10 Jun 2016 15:58

Instrument :
 BNA_F
 ClientSampleId :
 SS-53

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.0	35.9	53.9
54	50.5	40.9	61.3

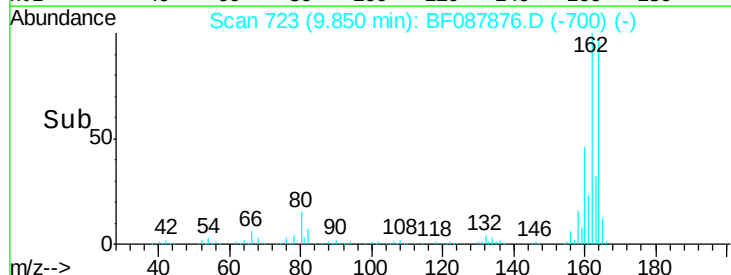
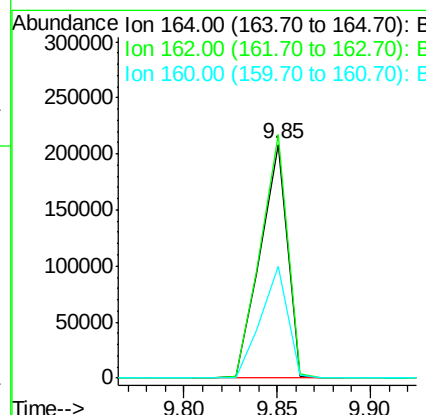
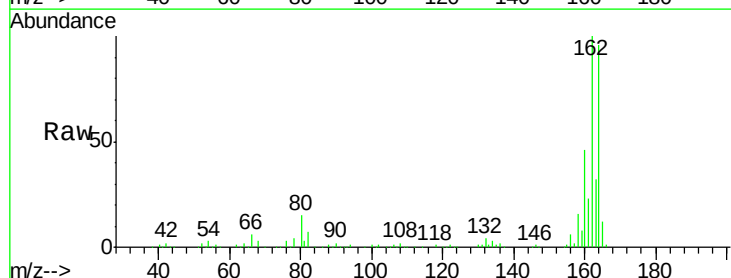
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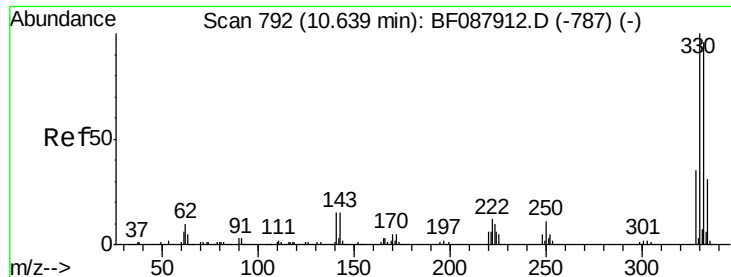
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.03 min
 Lab File: BF087876.D
 Acq: 10 Jun 2016 15:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	85.4	128.2
160	47.8	39.5	59.3





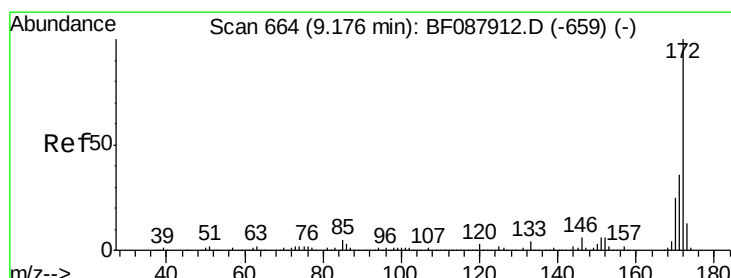
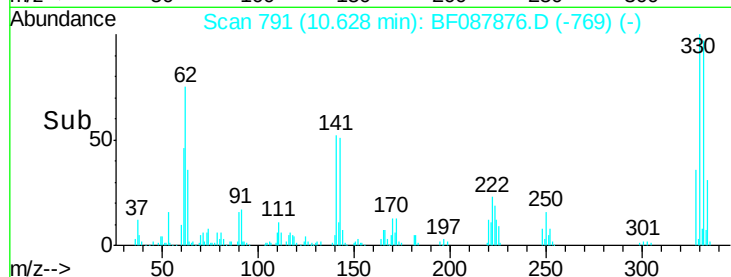
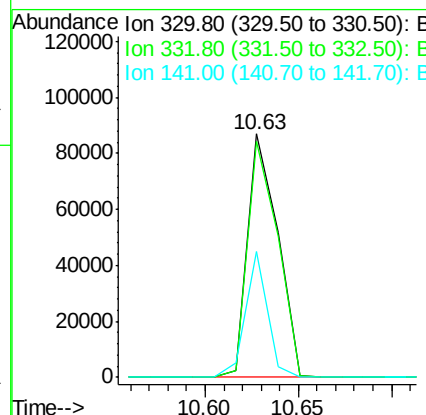
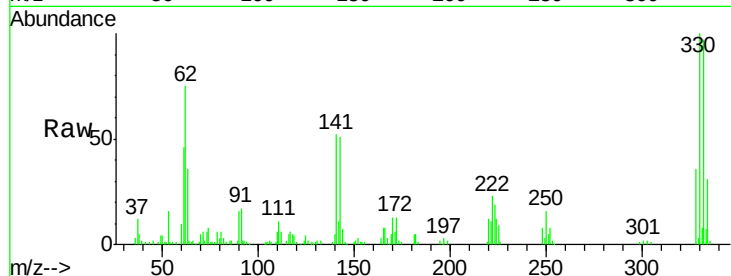
#41
 2,4,6-Tribromophenol
 Concen: 44.22 ng
 RT: 10.63 min Scan# 791
 Delta R.T. -0.05 min
 Lab File: BF087876.D
 Acq: 10 Jun 2016 15:58

Instrument :
 BNA_F
 ClientSampled :
 SS-53

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.2	0.0	0.0	0.0
141	38.0	0.0	0.0	0.0

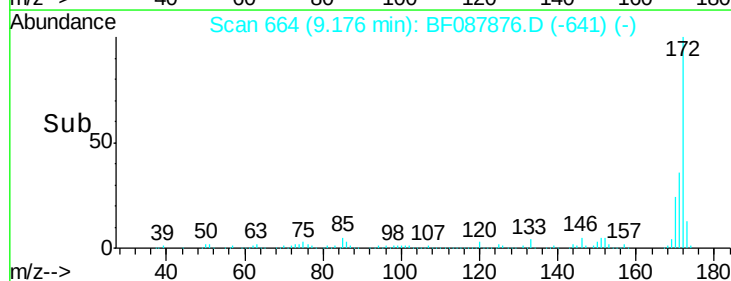
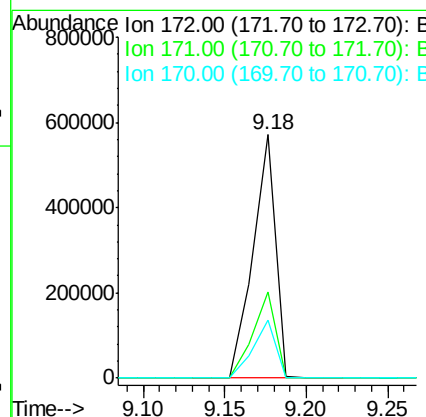
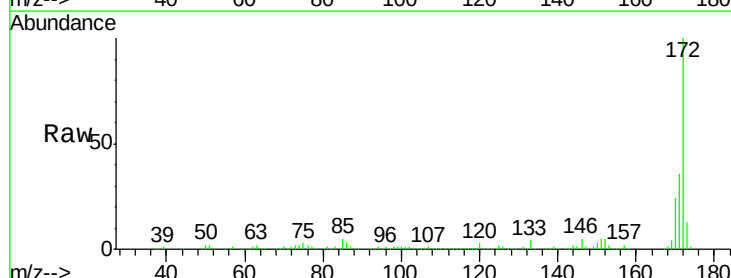
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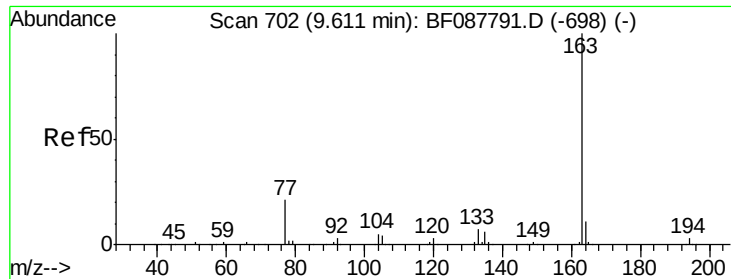
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#44
 2-Fluorobiphenyl
 Concen: 38.36 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087876.D
 Acq: 10 Jun 2016 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	28.6	43.0	
170	23.7	19.2	28.8	





#49

Dimethylphthalate

Concen: 3.64 ng

RT: 9.56 min Scan# 698

Delta R.T. -0.05 min

Lab File: BF087876.D

Acq: 10 Jun 2016 15:58

Instrument :

BNA_F

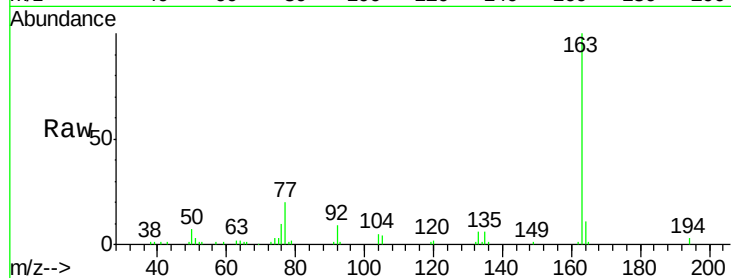
ClientSampleId :

SS-53

Tot Ion:	163	Resp:	54898
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.8	4.2
164	10.7	8.3	12.5

Manual Integrations
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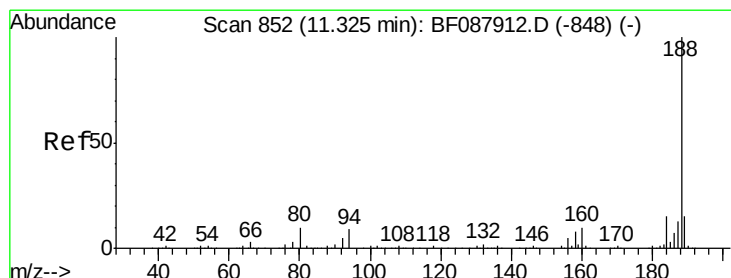
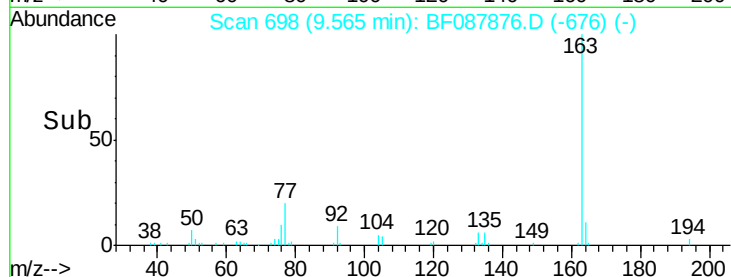
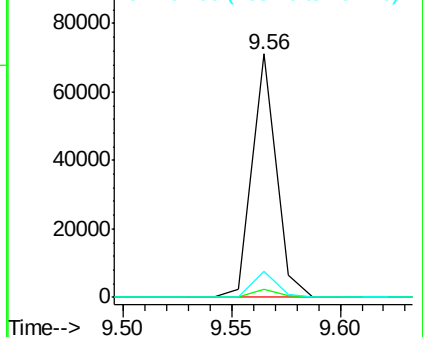
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Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

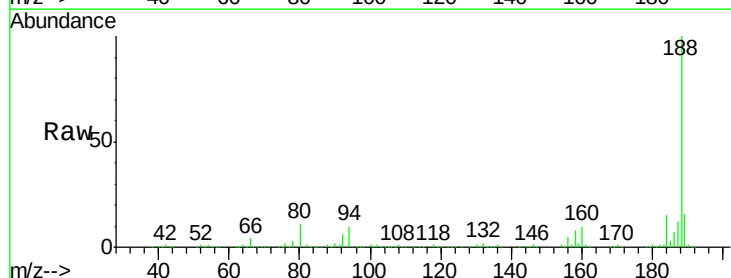
RT: 11.32 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087876.D

Acq: 10 Jun 2016 15:58

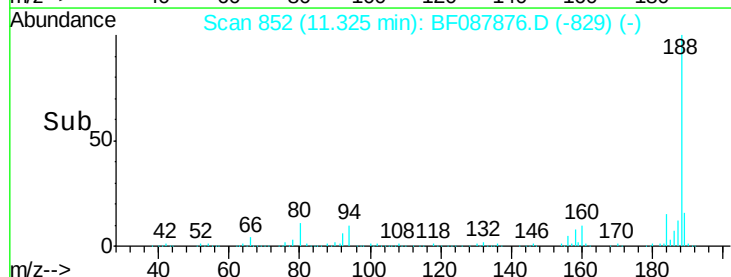
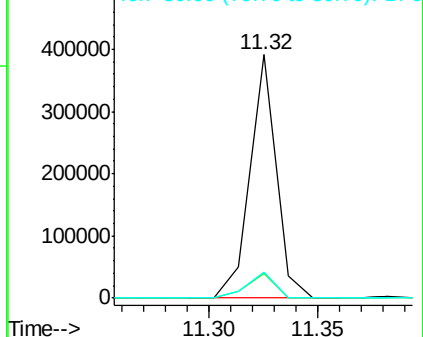
Tgt Ion:	188	Resp:	327887
Ion Ratio	Lower	Upper	
188	100		
94	10.2	9.0	13.6
80	10.5	10.0	15.0

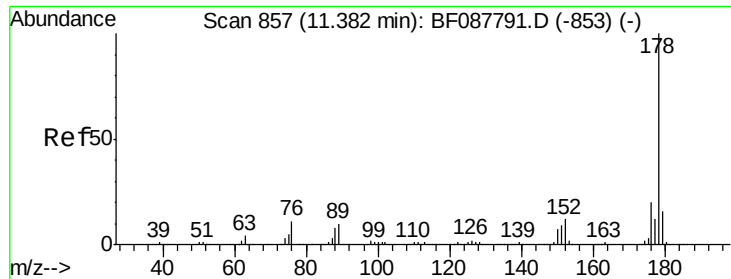


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





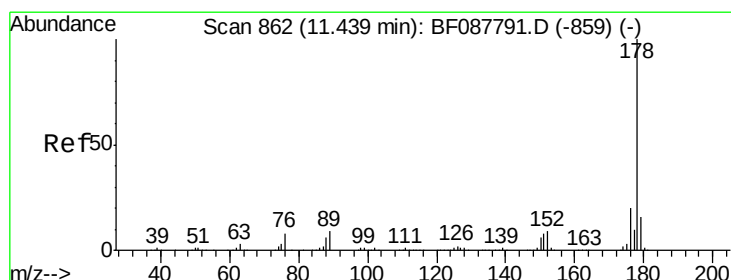
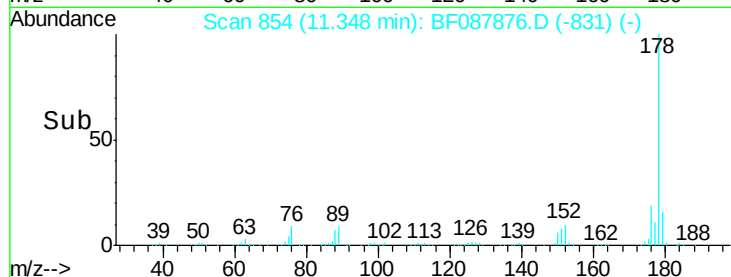
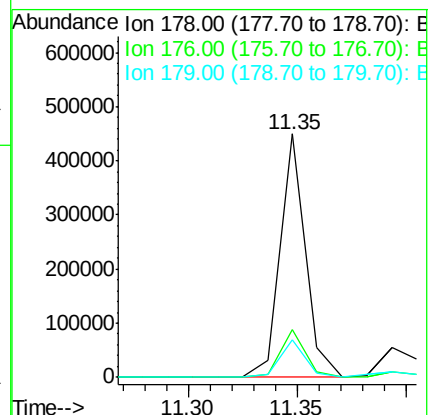
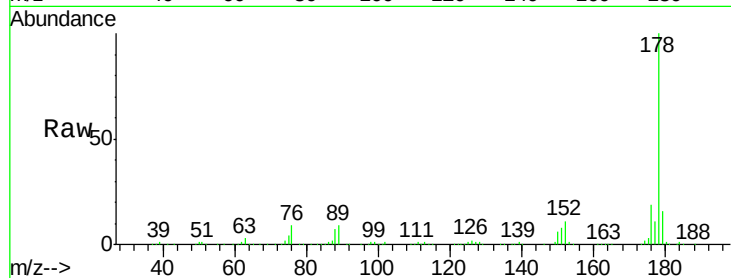
#70
Phenanthrene
Concen: 21.35 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.03 min
Lab File: BF087876.D
Acq: 10 Jun 2016 15:58

Instrument :
BNA_F
ClientSampleId :
SS-53

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.6
179	15.5	13.0	19.4

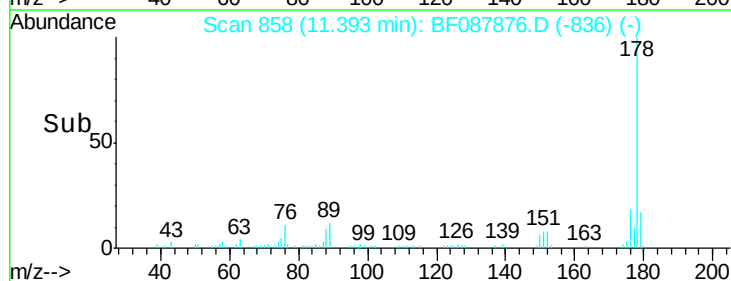
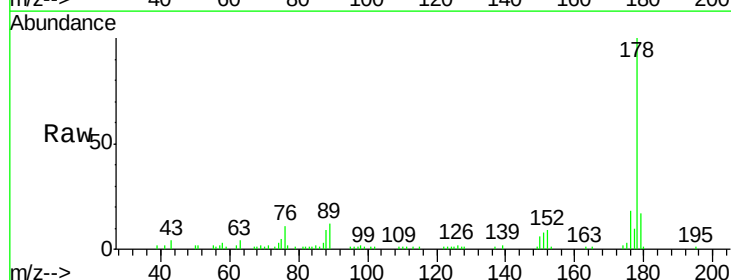
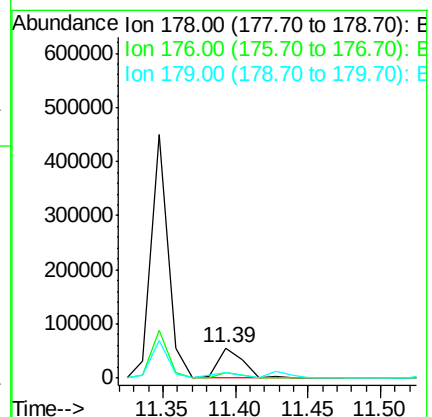
Manual Integrations
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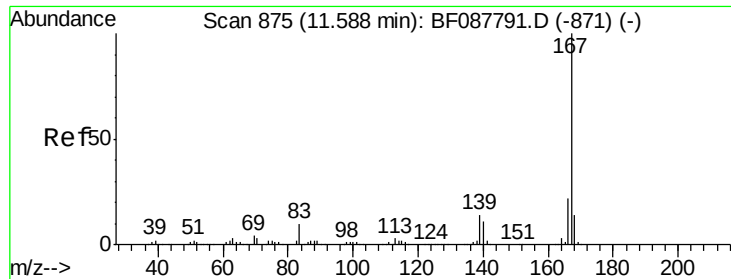
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#71
Anthracene
Concen: 3.82 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.05 min
Lab File: BF087876.D
Acq: 10 Jun 2016 15:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.6	23.4
179	16.8	12.8	19.2





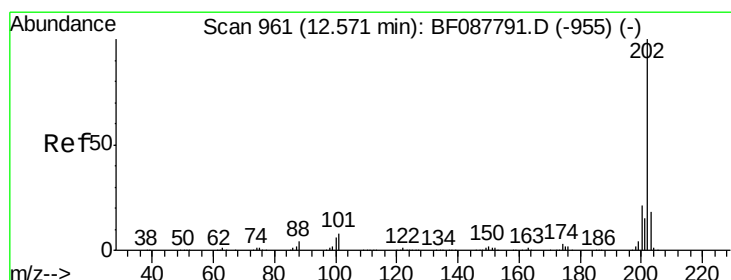
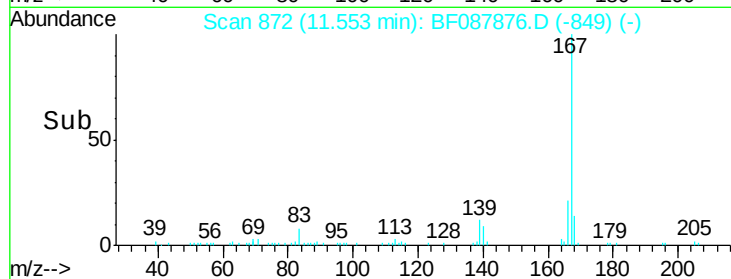
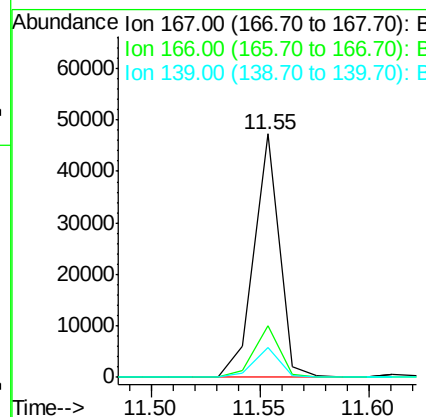
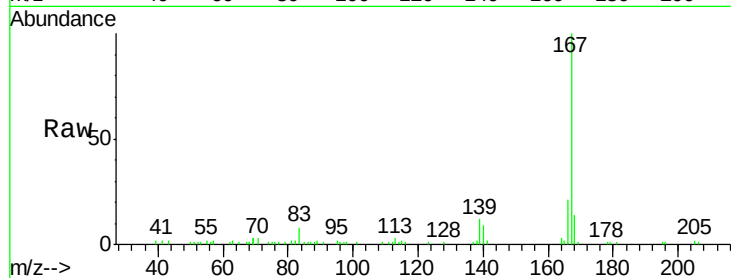
#72
 Carbazole
 Concen: 2.34 ng
 RT: 11.55 min Scan# 872
 Delta R.T. -0.03 min
 Lab File: BF087876.D
 Acq: 10 Jun 2016 15:58

Instrument :
 BNA_F
 ClientSampleId :
 SS-53

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100		38082		
166	21.2		17.8	26.6	
139	12.3		11.2	16.8	

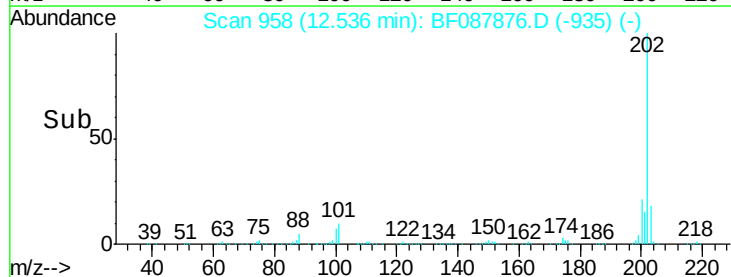
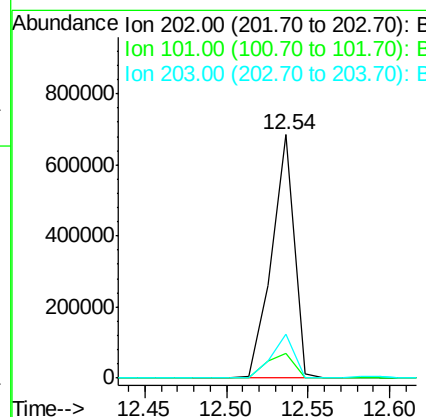
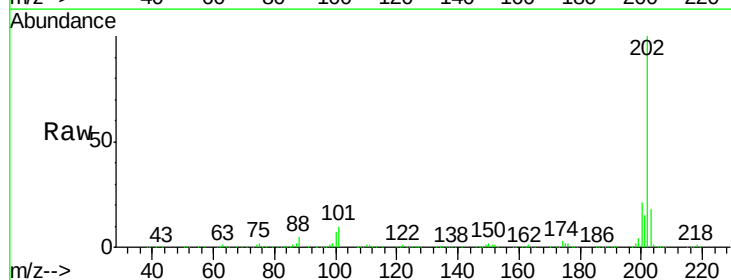
Manual Integrations
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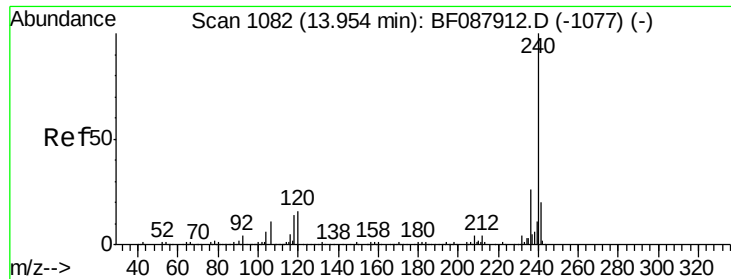
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#74
 Fluoranthene
 Concen: 36.32 ng
 RT: 12.54 min Scan# 958
 Delta R.T. -0.03 min
 Lab File: BF087876.D
 Acq: 10 Jun 2016 15:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		659568		
101	10.2		0.0	33.1	
203	17.9		0.0	38.1	





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087876.D

Acq: 10 Jun 2016 15:58

Instrument :

BNA_F

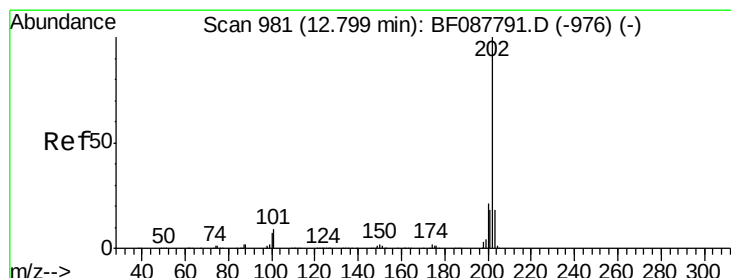
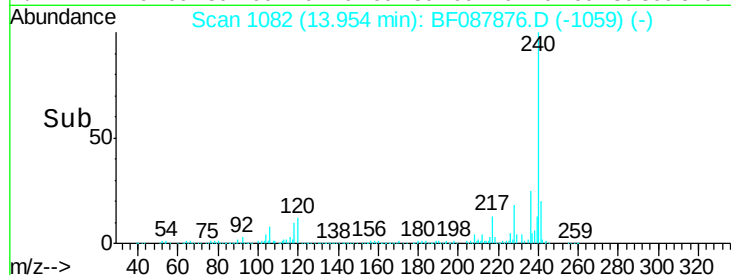
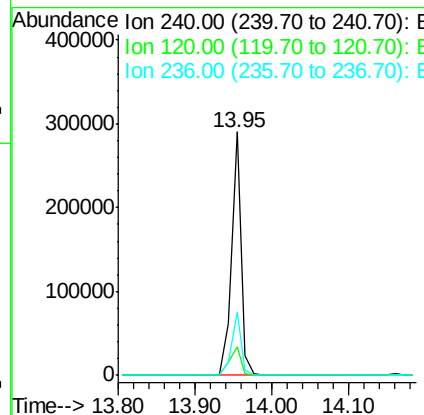
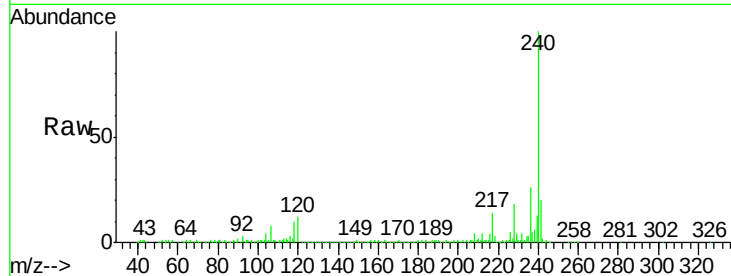
ClientSampleId :

SS-53

Tot Ion:	240	Resp:	263074
Ion Ratio	Lower	Upper	
240	100		
120	11.6	6.8	10.2#
236	25.7	20.2	30.2

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#77

Pyrene

Concen: 27.04 ng

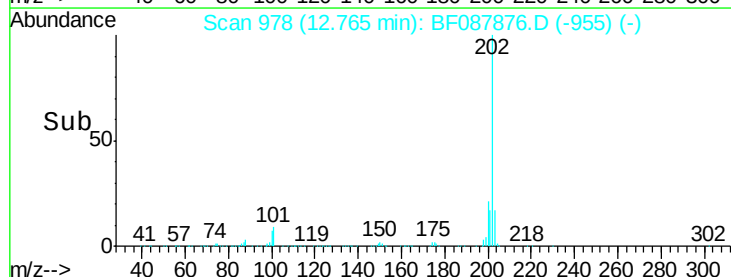
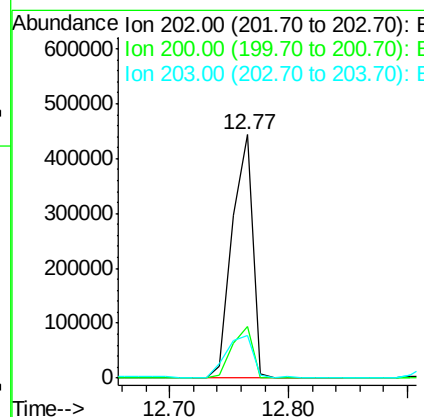
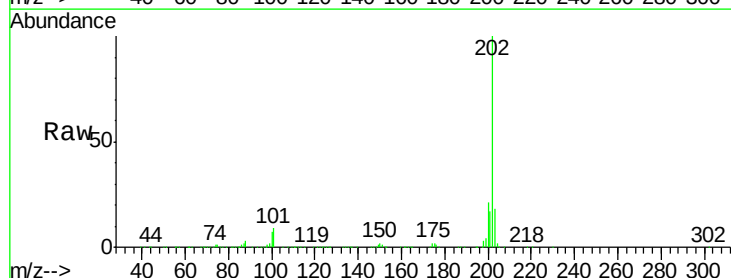
RT: 12.77 min Scan# 978

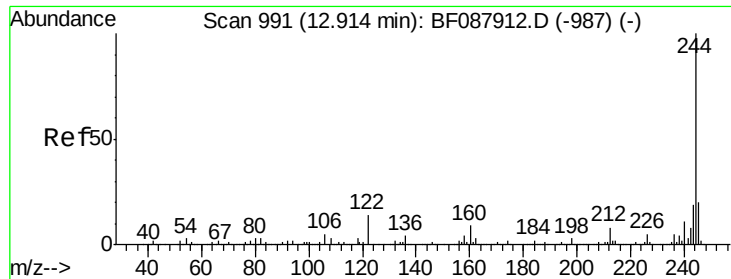
Delta R.T. -0.03 min

Lab File: BF087876.D

Acq: 10 Jun 2016 15:58

Tgt Ion:	202	Resp:	527887
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	17.7	14.5	21.7





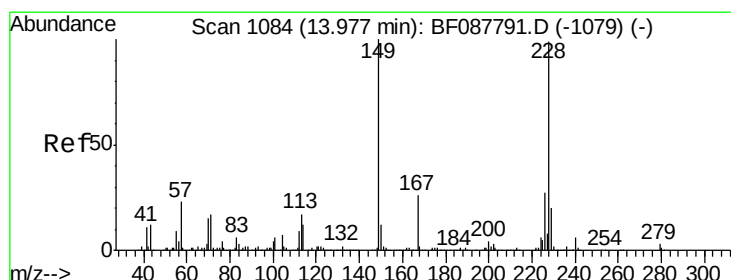
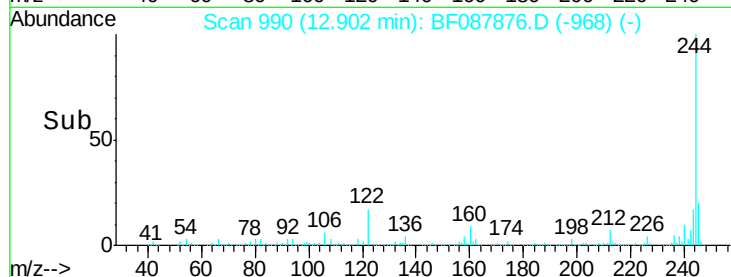
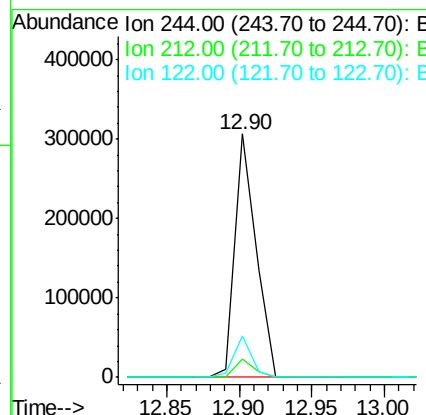
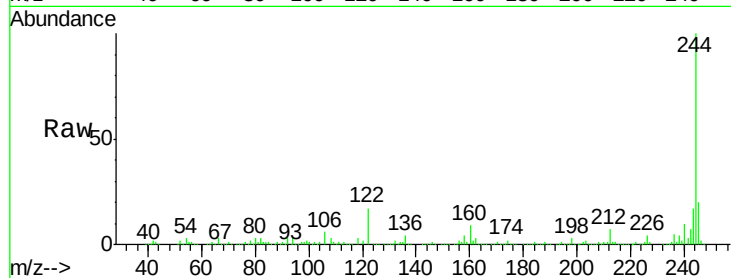
#78
 Terphenyl-d14
 Concen: 26.87 ng
 RT: 12.90 min Scan# 990
 Delta R.T. -0.05 min
 Lab File: BF087876.D
 Acq: 10 Jun 2016 15:58

Instrument :
 BNA_F
 ClientSampleId :
 SS-53

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	16.9	11.2	16.8#

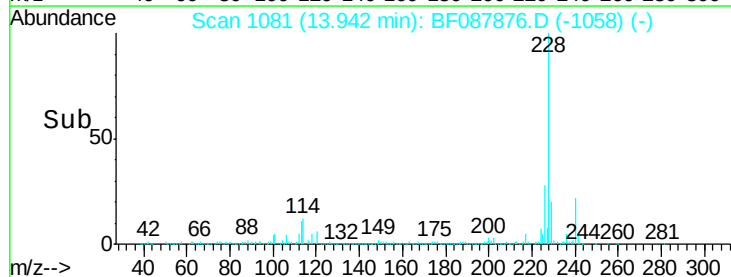
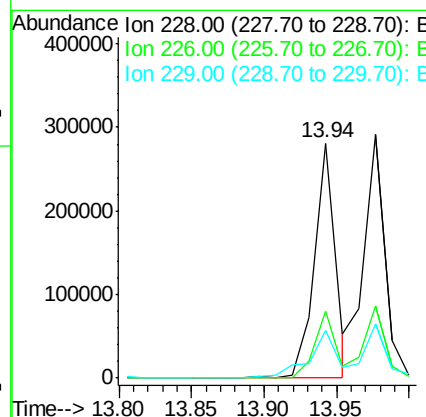
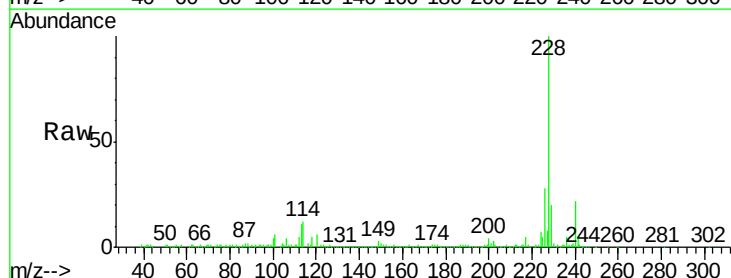
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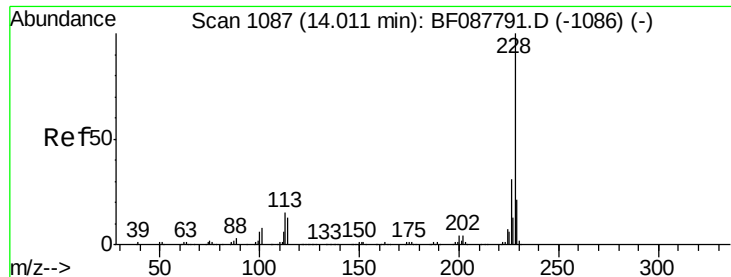
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#80
 Benzo(a)anthracene
 Concen: 18.82 ng
 RT: 13.94 min Scan# 1081
 Delta R.T. -0.03 min
 Lab File: BF087876.D
 Acq: 10 Jun 2016 15:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.3	33.5
229	20.3	16.0	24.0





#82

Chrysene

Concen: 20.64 ng/mL

RT: 13.98 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF087876.D

Acq: 10 Jun 2016 15:58

Instrument :

BNA_F

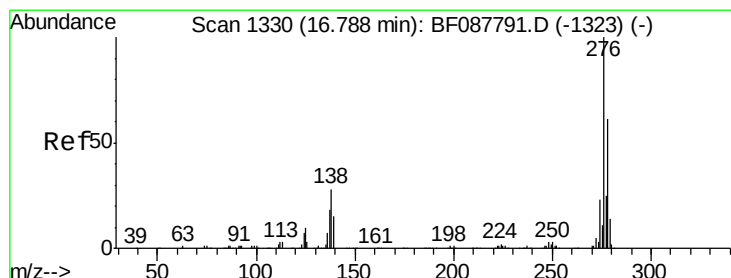
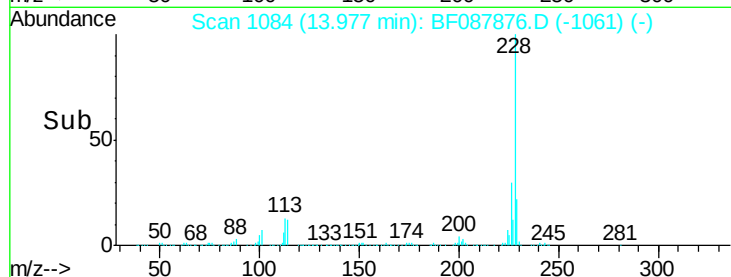
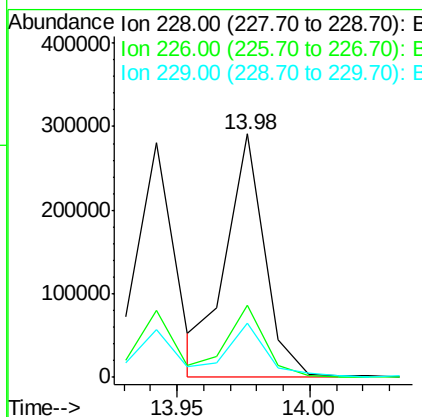
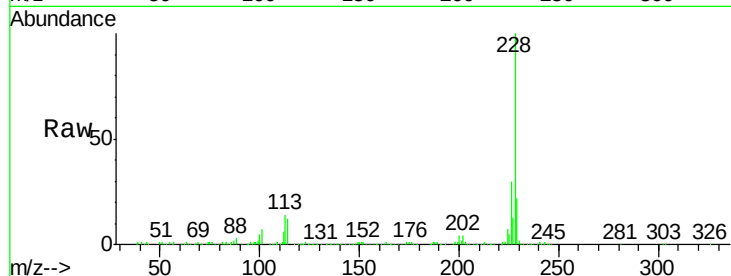
ClientSampleId :

SS-53

Tot Ion:	228	Resp:	291166
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.4	38.2
229	22.0	16.3	24.5

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.68 ng/mL

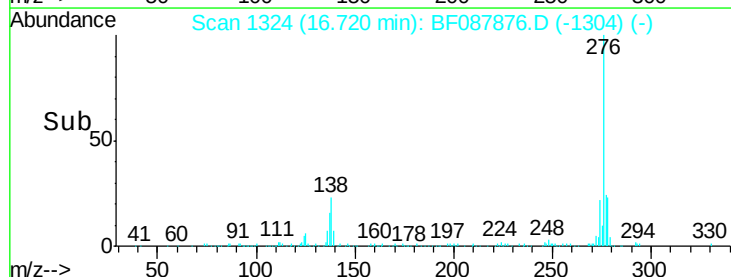
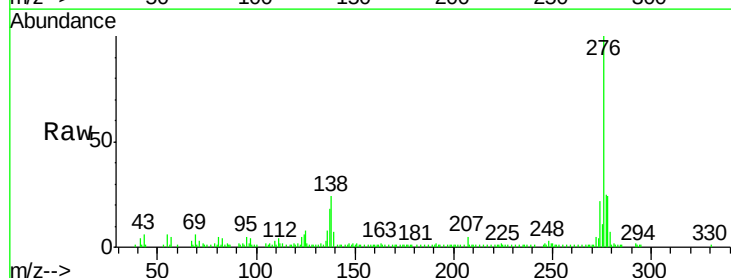
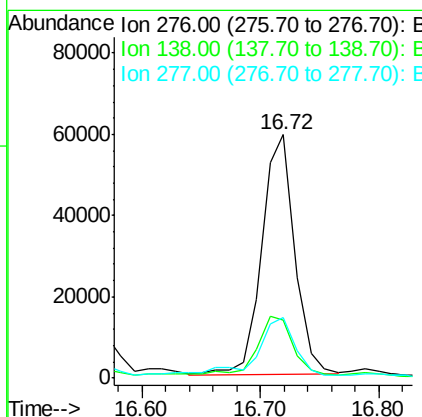
RT: 16.72 min Scan# 1324

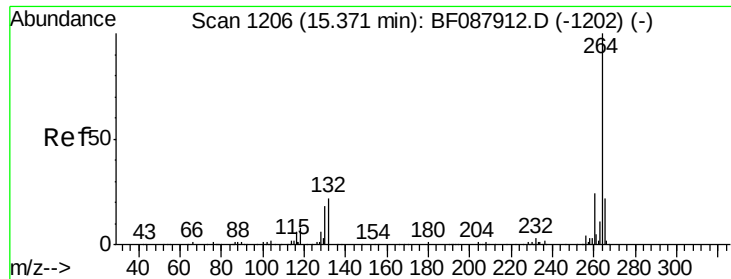
Delta R.T. -0.07 min

Lab File: BF087876.D

Acq: 10 Jun 2016 15:58

Tgt Ion:	276	Resp:	113756
Ion Ratio	Lower	Upper	
276	100		
138	29.8	0.0	0.0#
277	30.6	0.0	0.0#





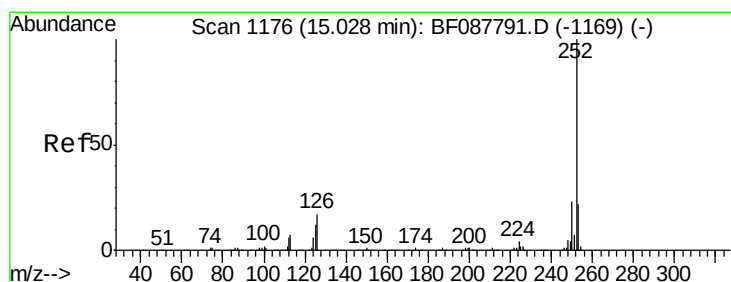
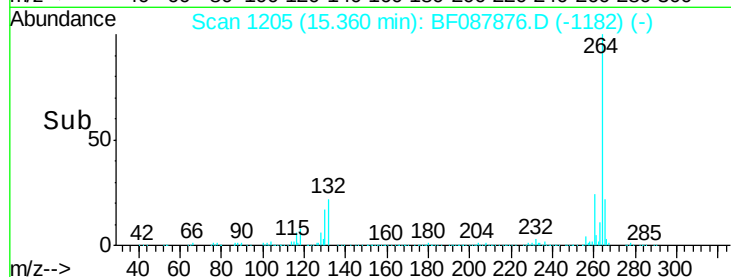
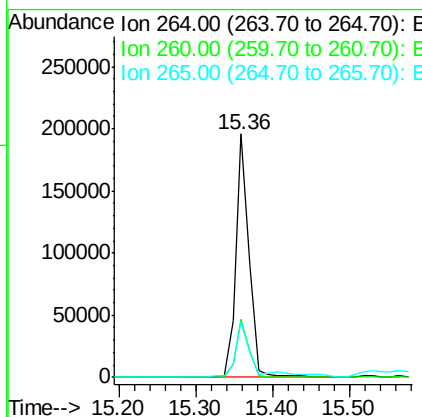
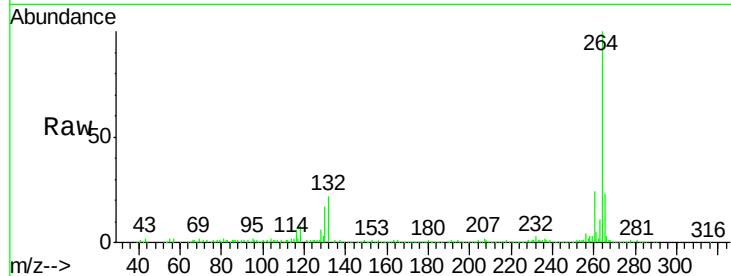
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF087876.D
Acq: 10 Jun 2016 15:58

Instrument :
BNA_F
ClientSampleId :
SS-53

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.6	16.9	25.3

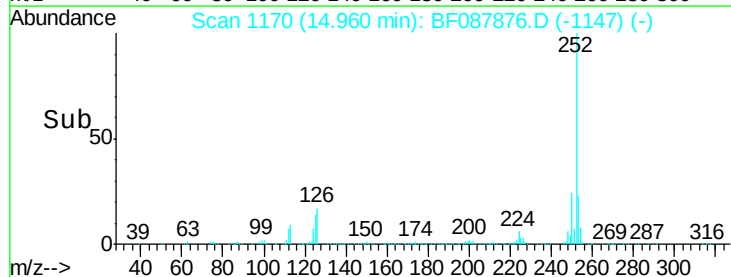
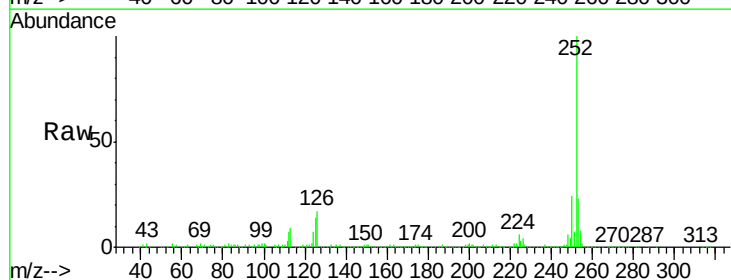
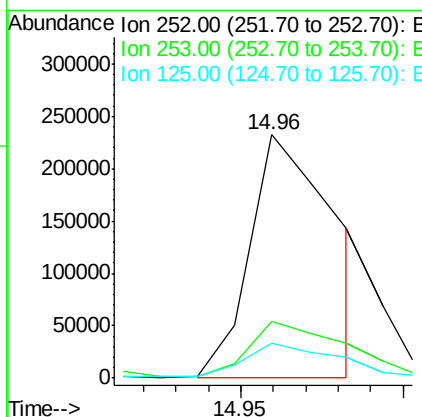
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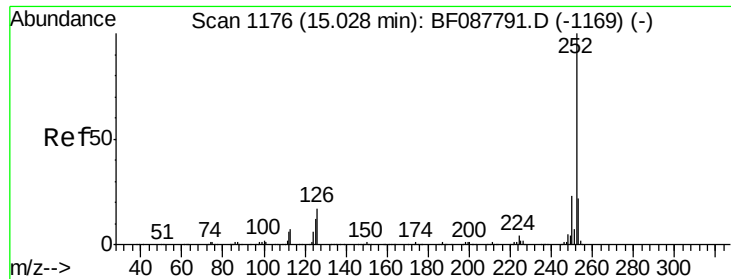
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#87
Benzo(b)fluoranthene
Concen: 25.30 ng m
RT: 14.96 min Scan# 1170
Delta R.T. -0.03 min
Lab File: BF087876.D
Acq: 10 Jun 2016 15:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	14.2	7.1	10.7#





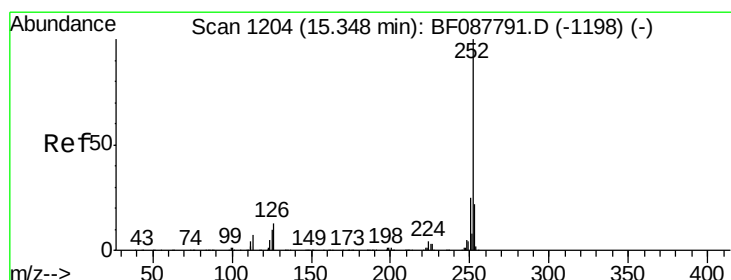
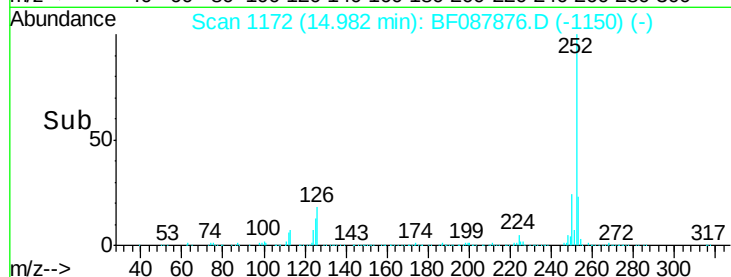
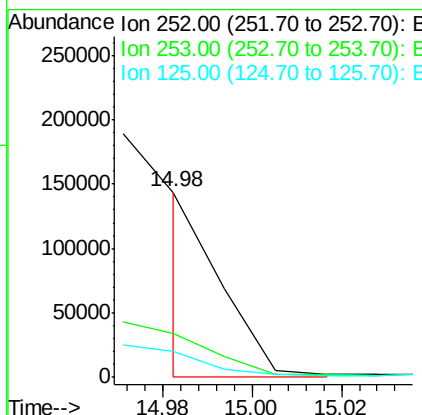
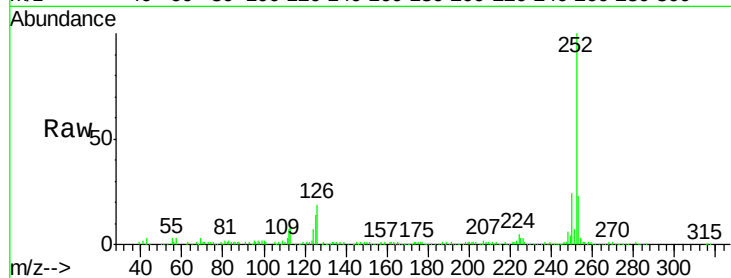
#88
Benzo(k)fluoranthene
Concen: 4.16 ng m
RT: 14.98 min Scan# 1172
Delta R.T. -0.05 min
Lab File: BF087876.D
Acq: 10 Jun 2016 15:58

Instrument :
BNA_F
ClientSampled :
SS-53

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	13.9	11.2	16.8

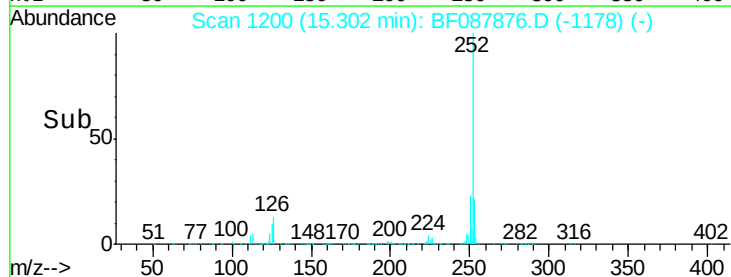
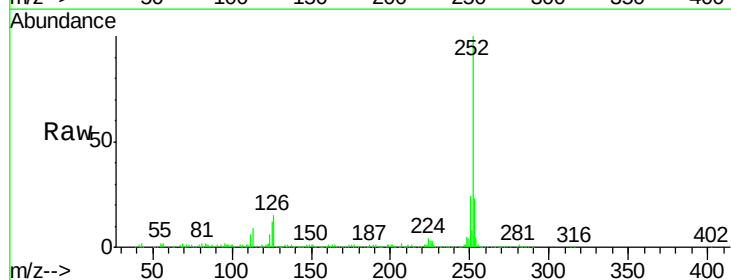
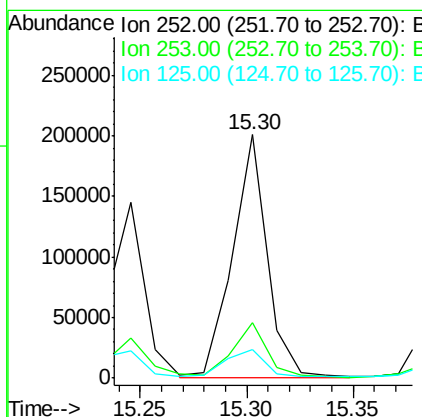
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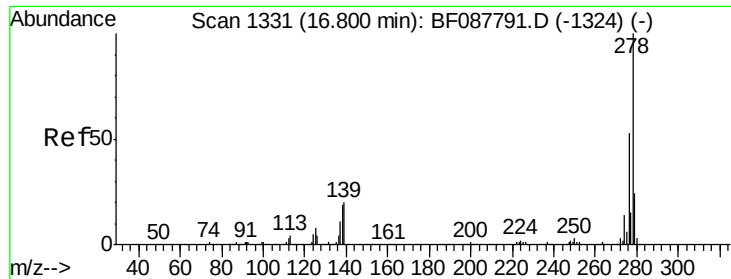
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#89
Benzo(a)pyrene
Concen: 16.97 ng m
RT: 15.30 min Scan# 1200
Delta R.T. -0.05 min
Lab File: BF087876.D
Acq: 10 Jun 2016 15:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	12.0	12.5	18.7#





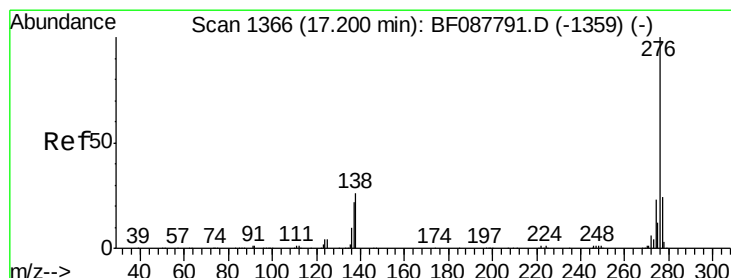
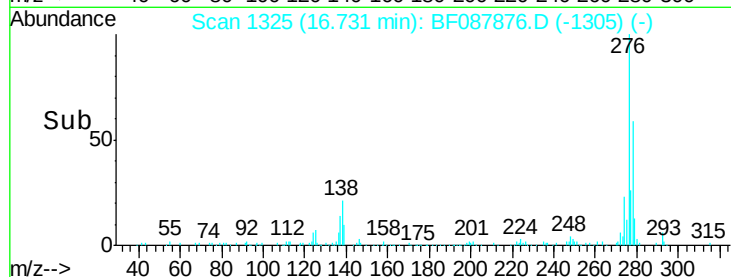
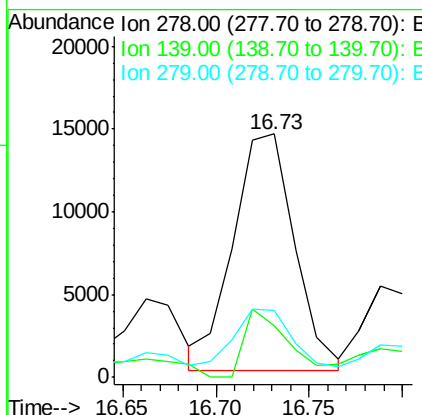
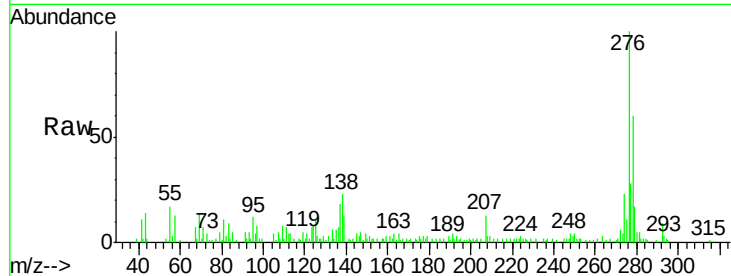
#90
Dibenzo(a,h)anthracene
Concen: 2.60 ng
RT: 16.73 min Scan# 1325
Delta R.T. -0.07 min
Lab File: BF087876.D
Acq: 10 Jun 2016 15:58

Instrument :
BNA_F
ClientSampleId :
SS-53

Tot Ion:	278	Resp:	32636
Ion Ratio	Lower	Upper	
278	100		
139	21.2	15.7	23.5
279	27.7	19.4	29.2

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.79 ng
RT: 17.12 min Scan# 1359
Delta R.T. -0.08 min
Lab File: BF087876.D
Acq: 10 Jun 2016 15:58

Tgt Ion:	276	Resp:	100475
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.9	28.3
138	26.7	21.4	32.2

