

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
 Data File : BF078498.D
 Acq On : 14 Apr 2015 11:19
 Operator : TP/IZ
 Sample : G1850-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-ODA

Manual Integrations
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Quant Time: Apr 14 12:09:01 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 14 11:28:17 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	33380	20.00	ng	0.00
21) Naphthalene-d8	8.41	136	137821	20.00	ng	0.00
38) Acenaphthene-d10	10.56	164	69057	20.00	ng	-0.01
63) Phenanthrene-d10	12.39	188	132466	20.00	ng	0.00
75) Chrysene-d12	15.63	240	144811	20.00	ng	-0.01
86) Perylene-d12	17.34	264	149581	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	201685	99.62	ng	0.01
7) Phenol-d6	6.43	99	271500	107.01	ng	0.00
23) Nitrobenzene-d5	7.53	82	153343	67.44	ng	0.00
41) 2,4,6-Tribromophenol	11.54	330	65387	114.17	ng	0.00
44) 2-Fluorobiphenyl	9.76	172	283417	58.66	ng	0.00
78) Terphenyl-d14	14.38	244	324862	50.69	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.44	94	6564	2.16	ng	# 61
31) Naphthalene	8.43	128	150027	20.91	ng	98
37) 2-Methylnaphthalene	9.29	142	26386	5.42	ng	99
48) Acenaphthylene	10.39	152	14846	2.07	ng	98
49) Dimethylphthalate	10.26	163	15842	3.05	ng	100
51) Acenaphthene	10.60	154	67753	16.77	ng	100
54) Dibenzofuran	10.82	168	23403	3.79	ng	97
57) Fluorene	11.23	166	36335	7.26	ng	98
70) Phenanthrene	12.41	178	198238	25.87	ng	99
71) Anthracene	12.48	178	89062	11.80	ng	99
72) Carbazole	12.70	167	14557	2.06	ng	94
74) Fluoranthene	13.87	202	238089	29.46	ng	96
77) Pyrene	14.15	202	325489	35.80	ng	97
80) Benzo(a)anthracene	15.62	228	118111m	13.71	ng	
82) Chrysene	15.67	228	79266	9.79	ng	97
85) Indeno(1,2,3-cd)pyrene	18.56	276	47005m	5.12	ng	
87) Benzo(b)fluoranthene	16.90	252	103463m	11.19	ng	
88) Benzo(k)fluoranthene	16.93	252	20431m	2.49	ng	
89) Benzo(a)pyrene	17.27	252	101755	12.61	ng	# 92
91) Benzo(g,h,i)perylene	18.91	276	54347	6.71	ng	96

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

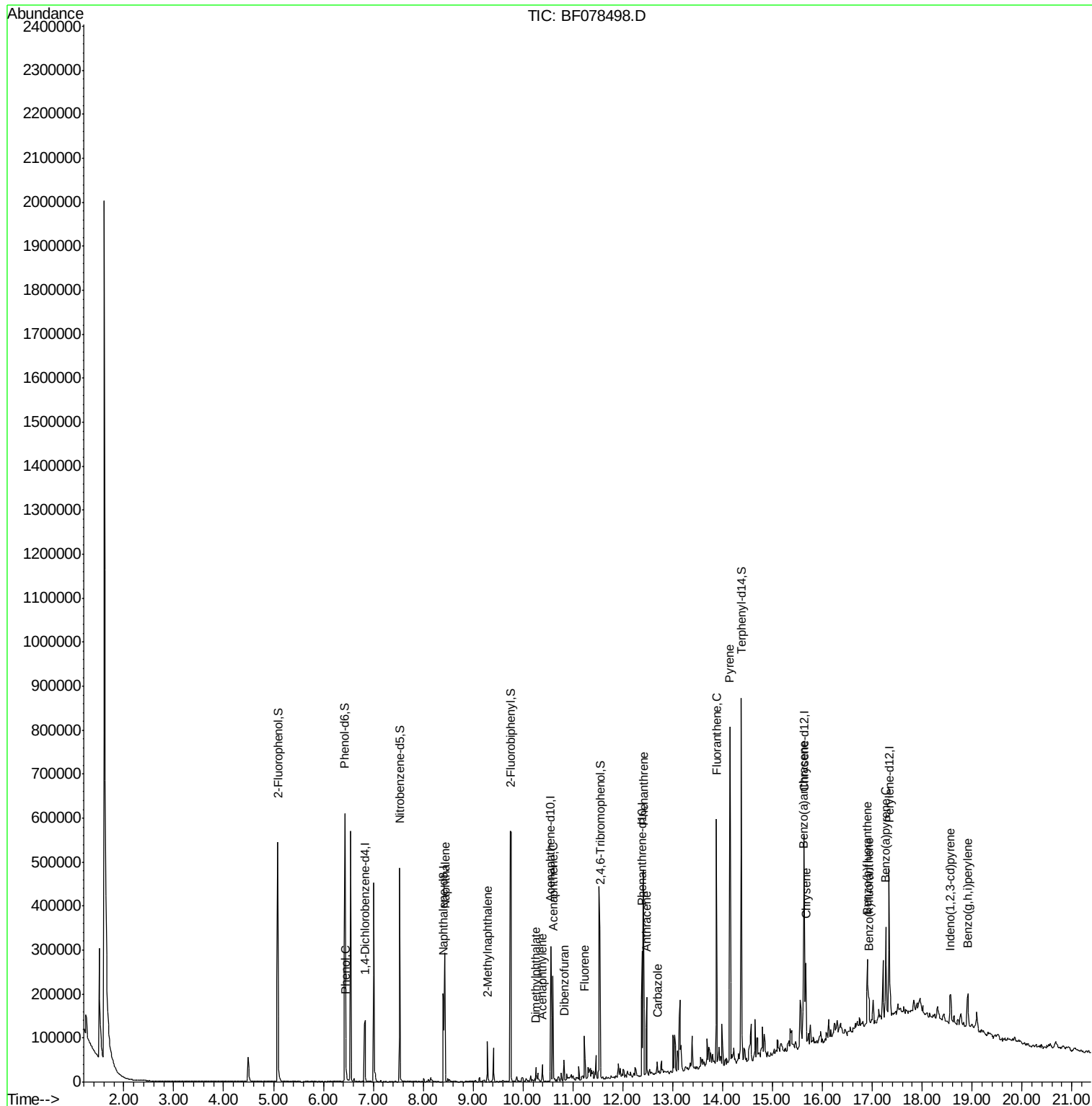
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078498.D
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Sample : G1850-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

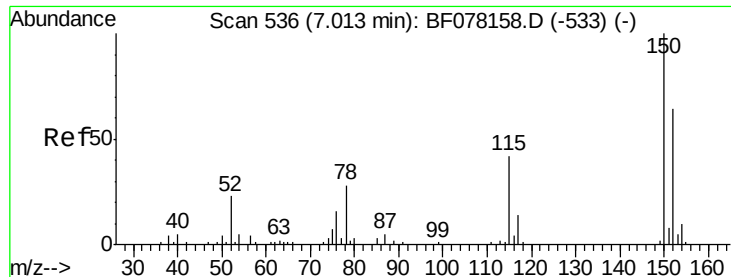
Instrument :
BNA_F
ClientSampleId :
SB-0DA

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#1

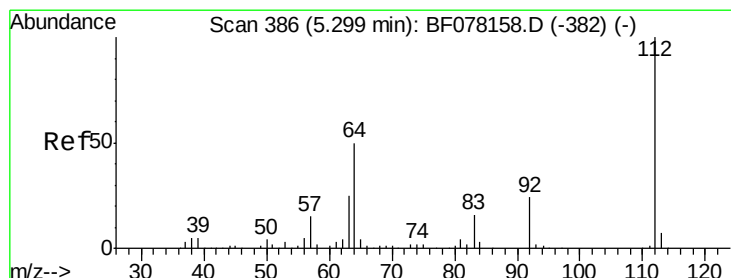
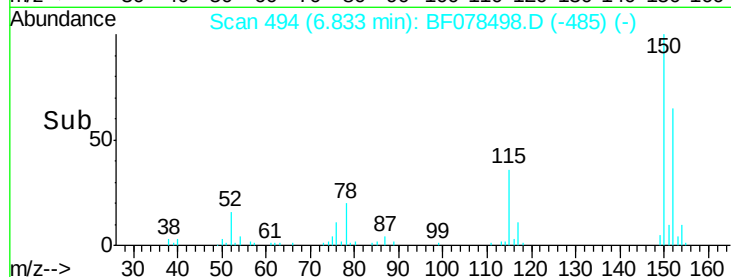
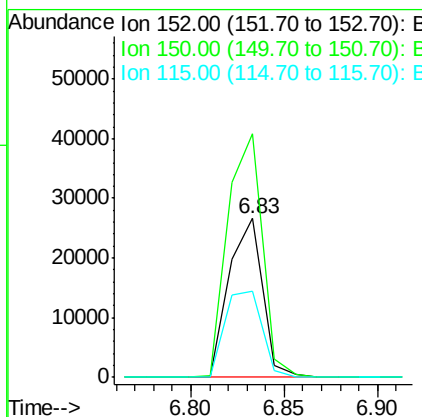
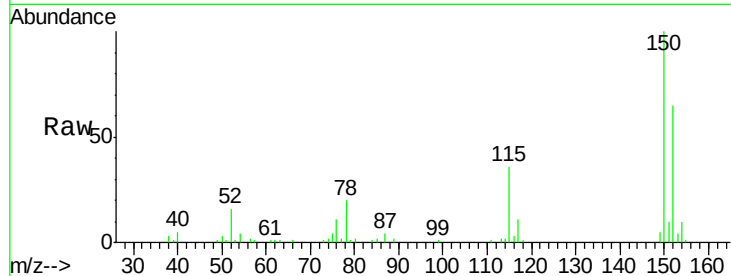
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 494
Delta R.T. -0.00 min
Lab File: BF078498.D
Acq: 14 Apr 2015 11:19

Instrument :
BNA_F
ClientSampleId :
SB-0DA

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	33380		
150	153.6	125.9	188.9	
115	54.6	52.7	79.1	

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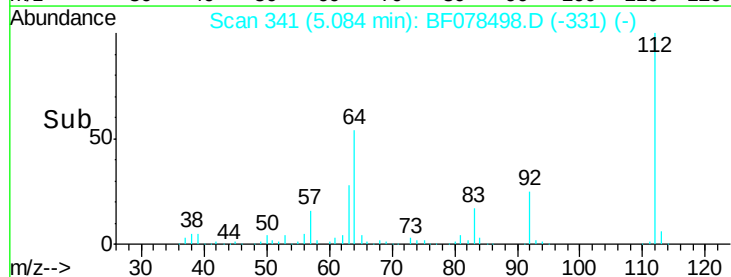
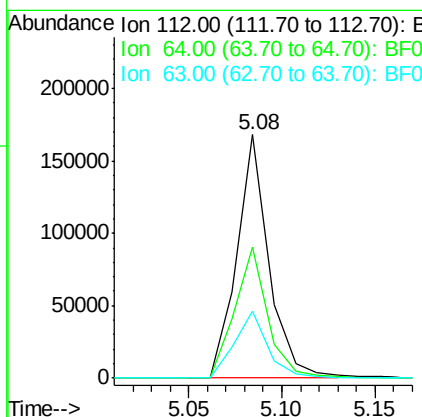
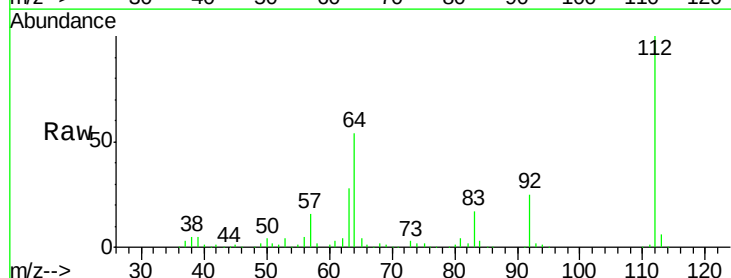
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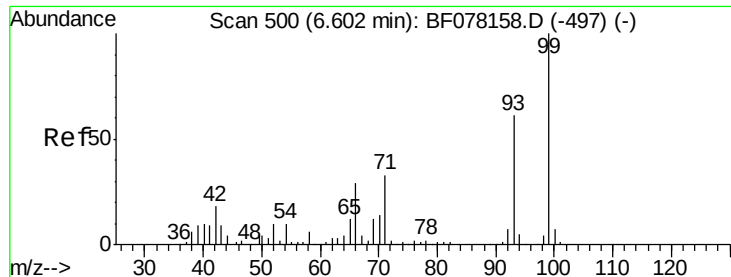


#5

2-Fluorophenol
Concen: 99.62 ng
RT: 5.08 min Scan# 341
Delta R.T. 0.01 min
Lab File: BF078498.D
Acq: 14 Apr 2015 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	201685		
64	53.6	39.9	59.9	
63	27.6	20.2	30.4	





#7

Phenol-d6

Concen: 107.01 ng

RT: 6.43 min Scan# 459

Delta R.T. 0.00 min

Lab File: BF078498.D

Acq: 14 Apr 2015 11:19

Instrument :

BNA_F

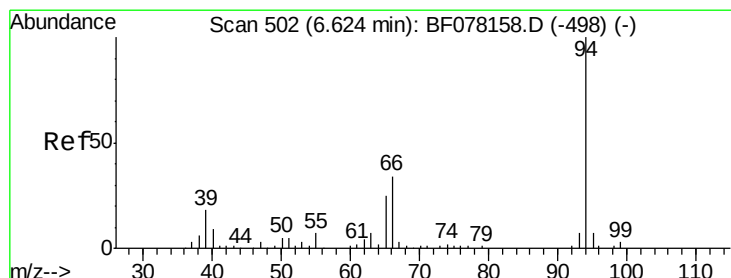
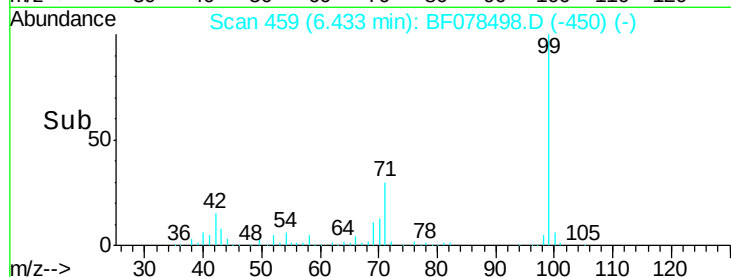
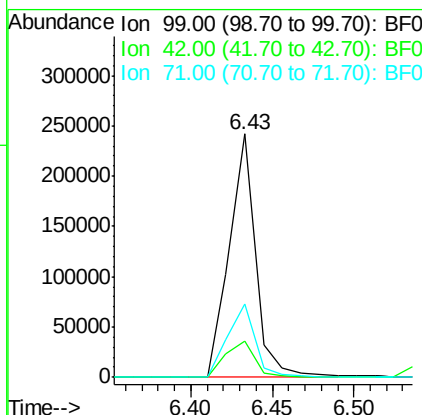
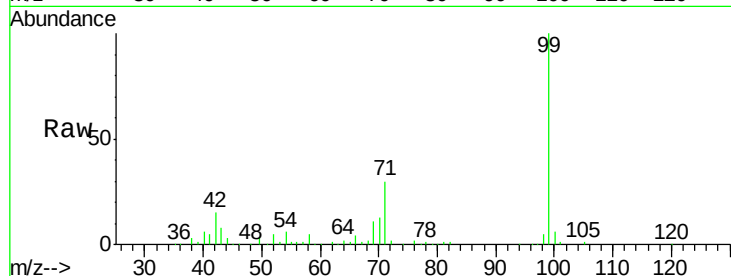
ClientSampleId :

SB-0DA

Tgt Ion:	99	Resp:	271500
Ion Ratio	Lower	Upper	
99	100		
42	14.9	14.8	22.2
71	30.2	26.6	39.8

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#10

Phenol

Concen: 2.16 ng

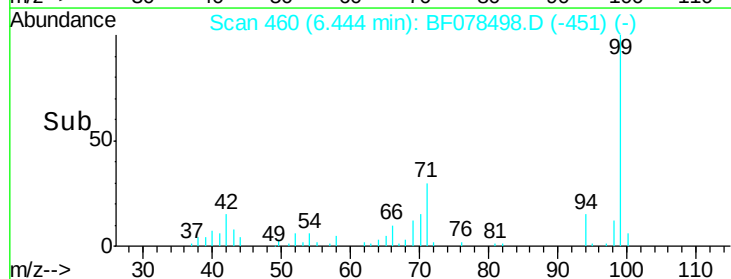
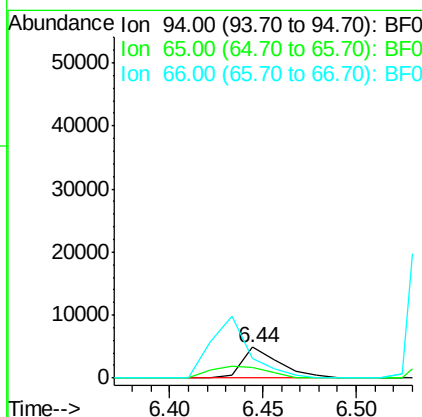
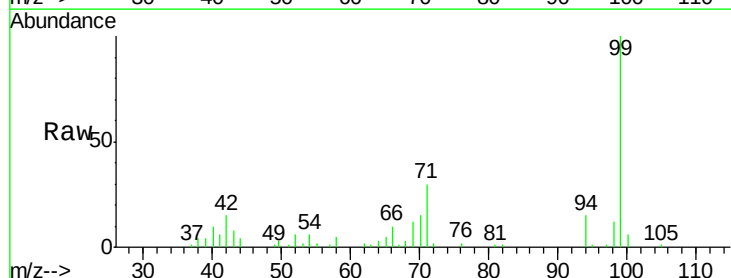
RT: 6.44 min Scan# 460

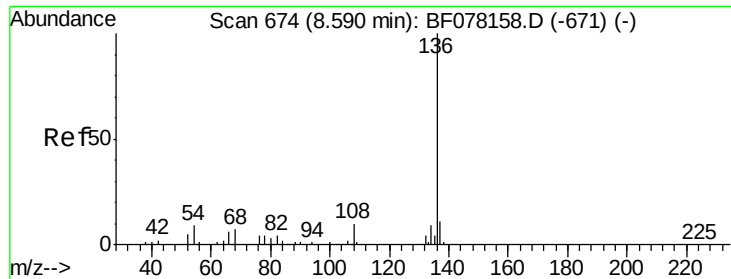
Delta R.T. 0.00 min

Lab File: BF078498.D

Acq: 14 Apr 2015 11:19

Tgt Ion:	94	Resp:	6564
Ion Ratio	Lower	Upper	
94	100		
65	36.1	4.9	44.9
66	63.0	13.8	53.8#





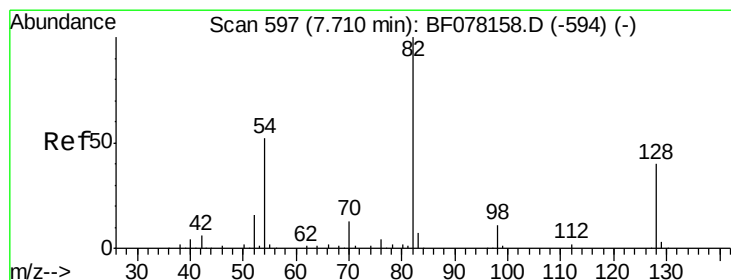
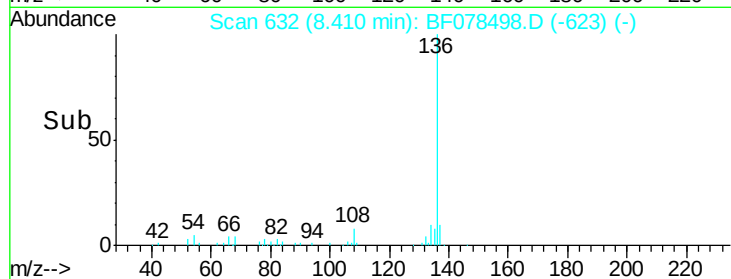
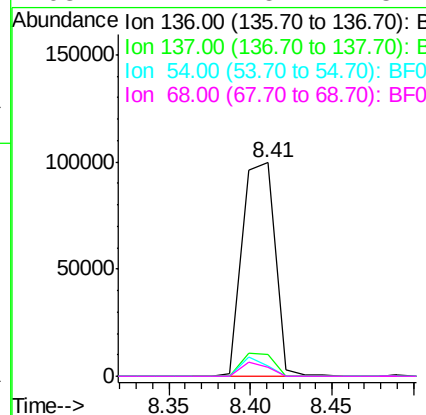
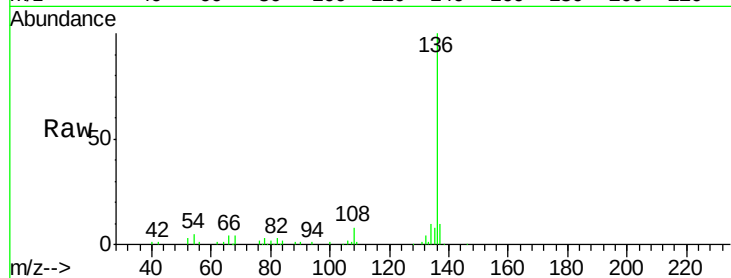
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.41 min Scan# 632
Delta R.T. -0.00 min
Lab File: BF078498.D
Acq: 14 Apr 2015 11:19

Instrument :
BNA_F
ClientSampleId :
SB-0DA

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	10.3	9.0	13.4
54	5.1	7.0	10.6#
68	4.2	5.4	8.2#

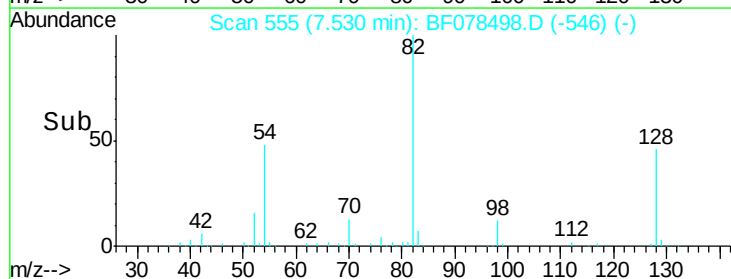
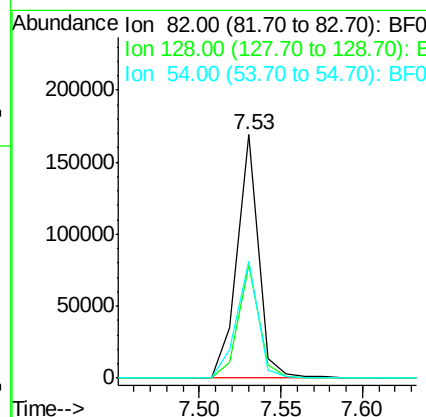
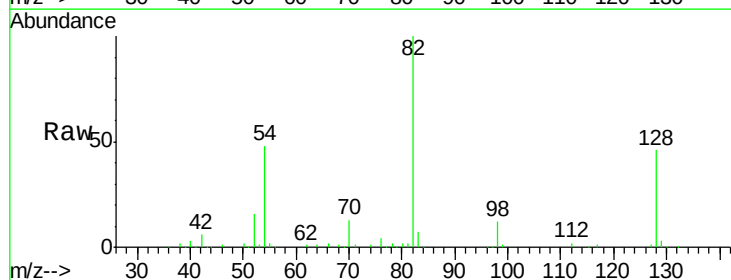
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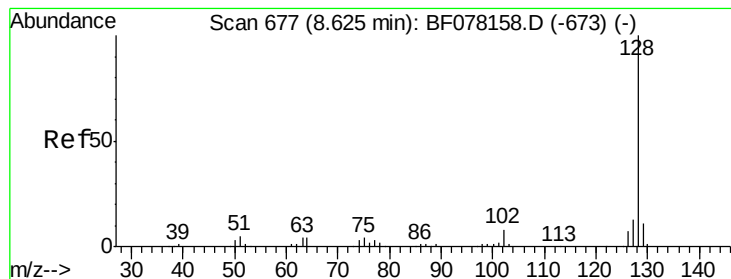
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#23
Nitrobenzene-d5
Concen: 67.44 ng
RT: 7.53 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF078498.D
Acq: 14 Apr 2015 11:19

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.4	31.8	47.8
54	47.9	41.5	62.3





#31

Naphthalene

Concen: 20.91 ng

RT: 8.43 min Scan# 634

Delta R.T. 0.00 min

Lab File: BF078498.D

Acq: 14 Apr 2015 11:19

Instrument :

BNA_F

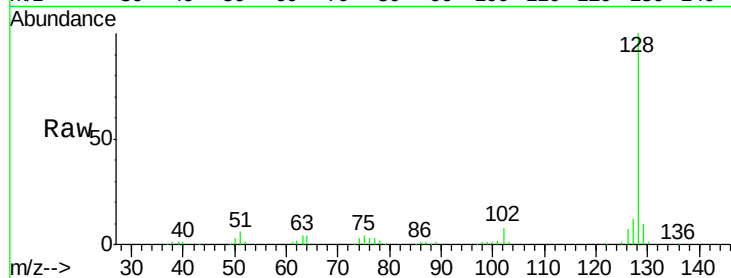
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SB-0DA

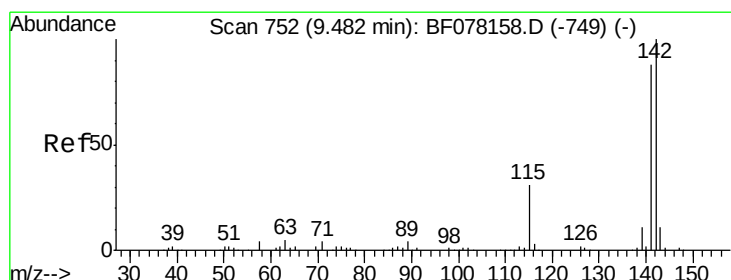
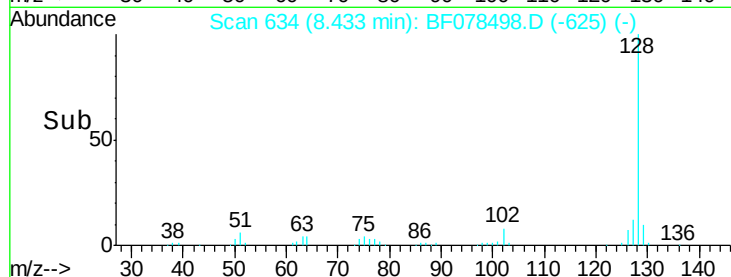
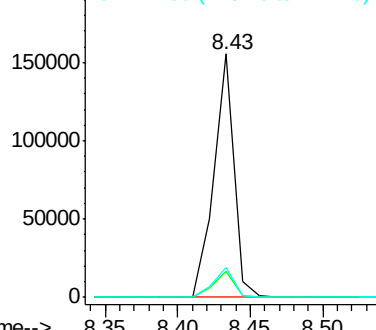
Tgt Ion:	128	Resp:	150027
Ion Ratio		Lower	Upper
128	100		
129	10.5	8.6	12.8
127	12.3	10.7	16.1

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 5.42 ng

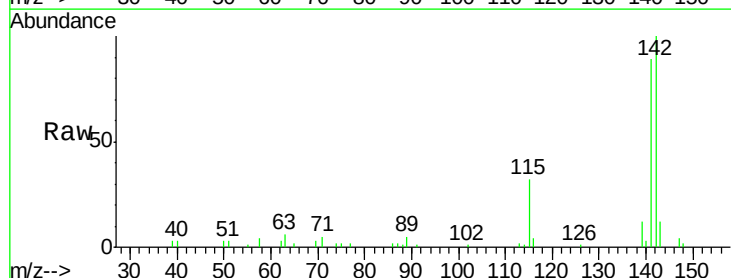
RT: 9.29 min Scan# 709

Delta R.T. -0.00 min

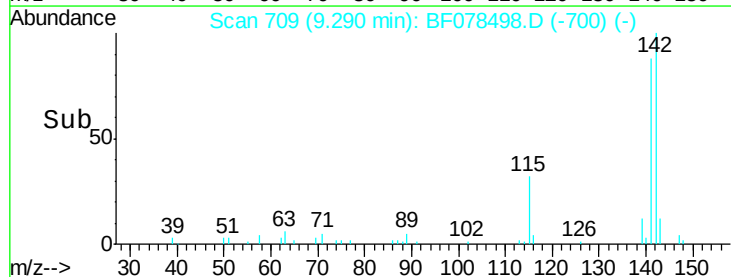
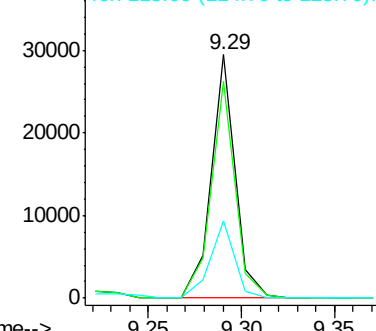
Lab File: BF078498.D

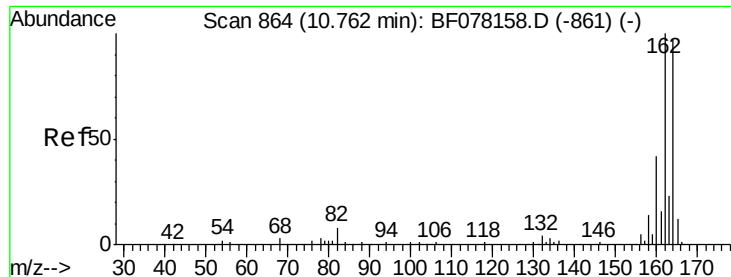
Acq: 14 Apr 2015 11:19

Tgt Ion:	142	Resp:	26386
Ion Ratio		Lower	Upper
142	100		
141	89.1	70.3	105.5
115	31.9	24.6	37.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





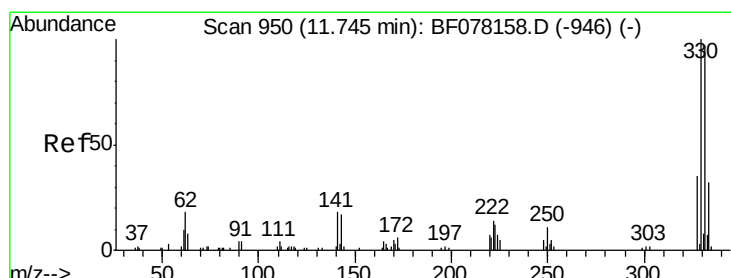
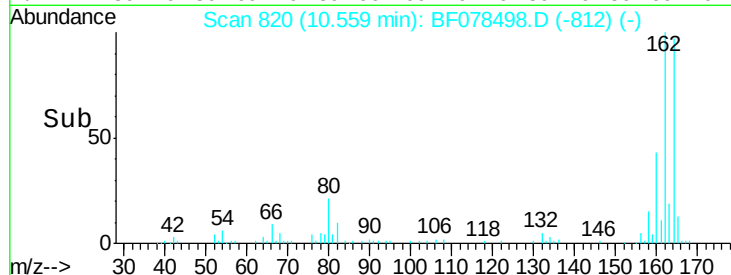
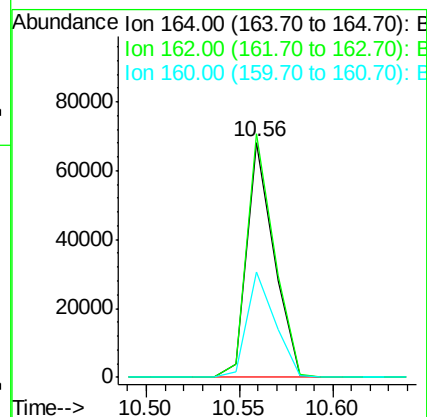
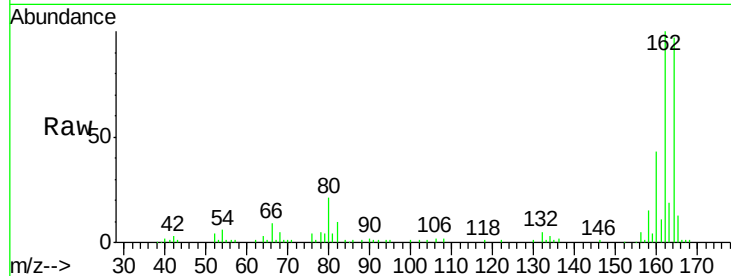
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.56 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: BF078498.D
 Acq: 14 Apr 2015 11:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-0DA

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	69057		
162	103.5	82.2	123.2	
160	44.5	34.7	52.1	

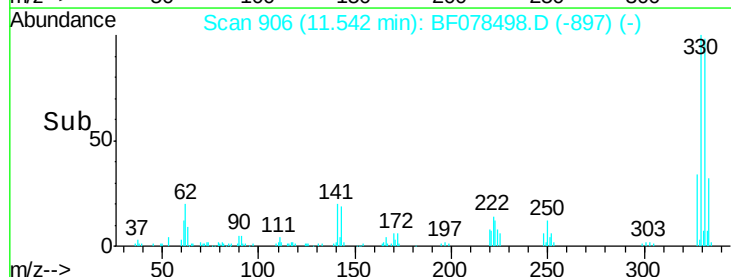
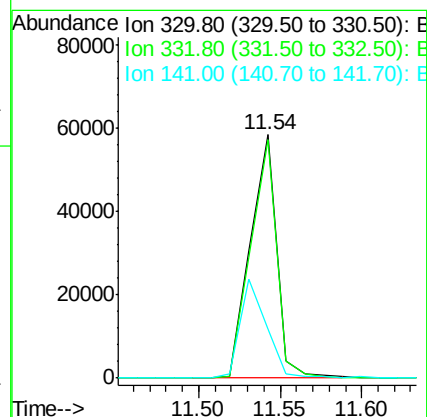
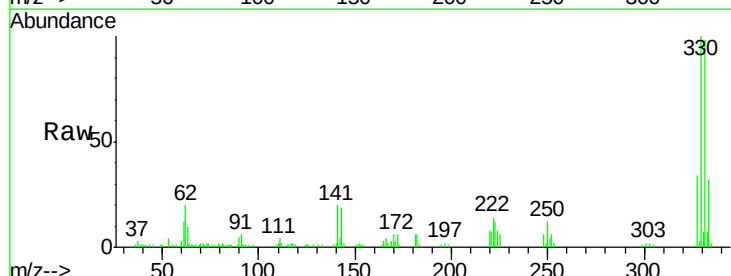
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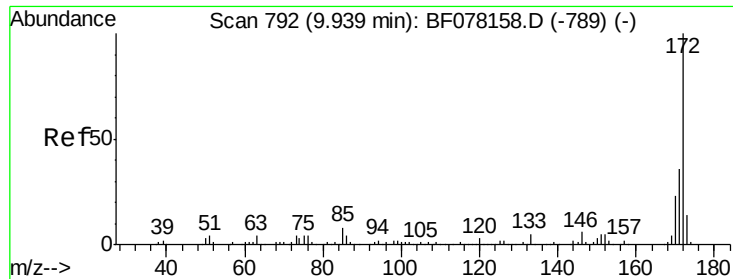
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#41
 2,4,6-Tribromophenol
 Concen: 114.17 ng
 RT: 11.54 min Scan# 906
 Delta R.T. -0.00 min
 Lab File: BF078498.D
 Acq: 14 Apr 2015 11:19

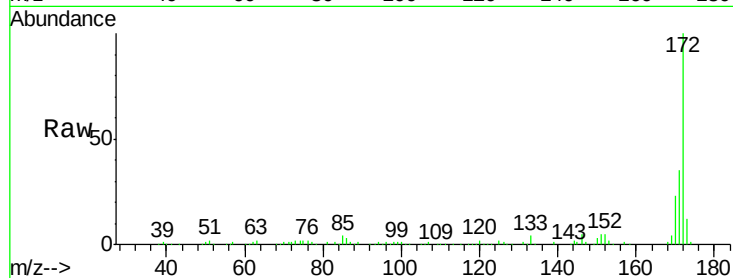
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	65387		
332	96.5	78.6	117.8	
141	40.5	31.2	46.8	





#44
2-Fluorobiphenyl
Concen: 58.66 ng
RT: 9.76 min Scan# 750
Delta R.T. -0.00 min
Lab File: BF078498.D
Acq: 14 Apr 2015 11:19

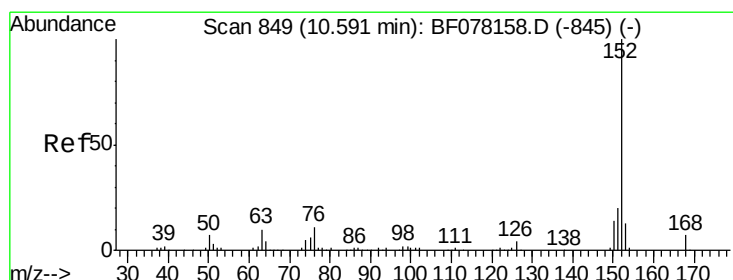
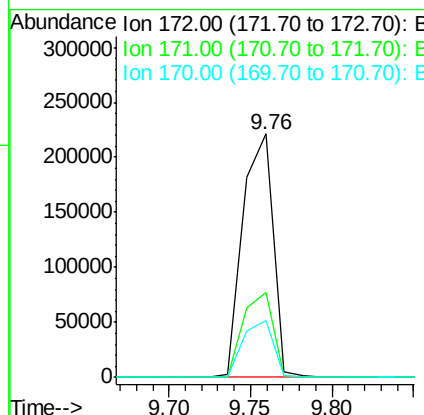
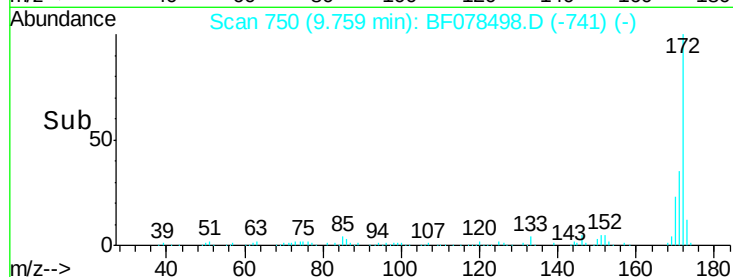
Instrument :
BNA_F
ClientSampleId :
SB-0DA



Tgt Ion:	172	Resp:	283417
Ion Ratio	Lower	Upper	
172	100		
171	34.6	28.6	42.8
170	23.2	18.5	27.7

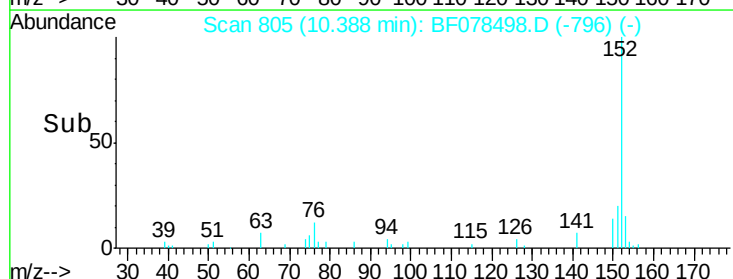
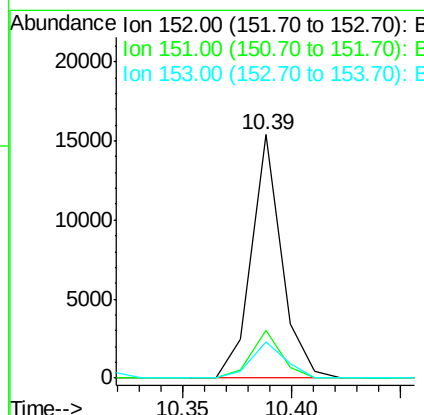
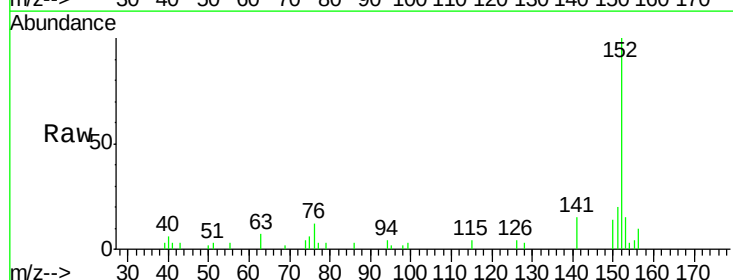
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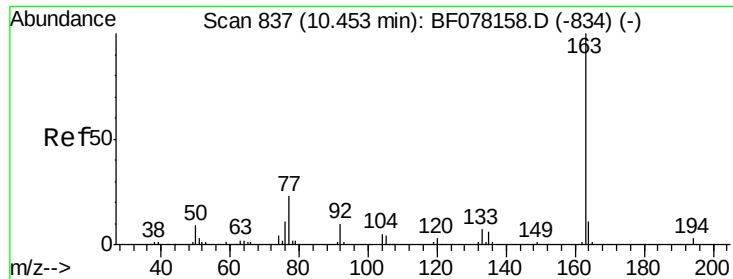
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#48
Acenaphthylene
Concen: 2.07 ng
RT: 10.39 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF078498.D
Acq: 14 Apr 2015 11:19

Tgt Ion:	152	Resp:	14846
Ion Ratio	Lower	Upper	
152	100		
151	19.8	15.7	23.5
153	14.7	10.2	15.2





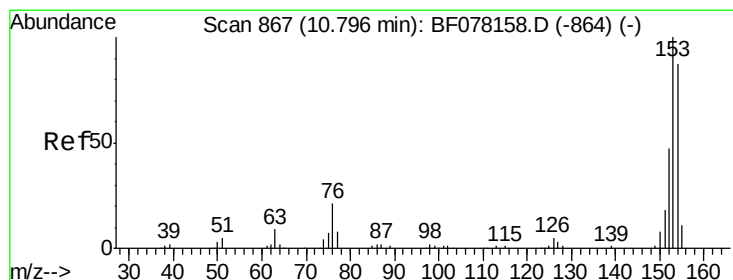
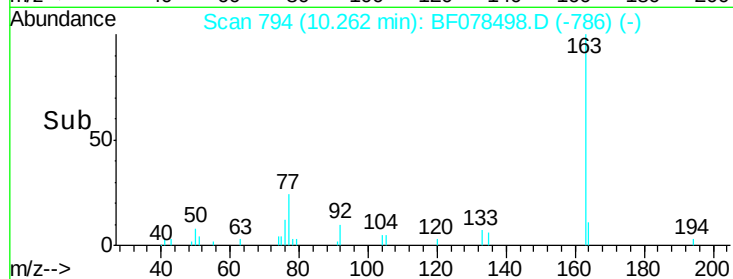
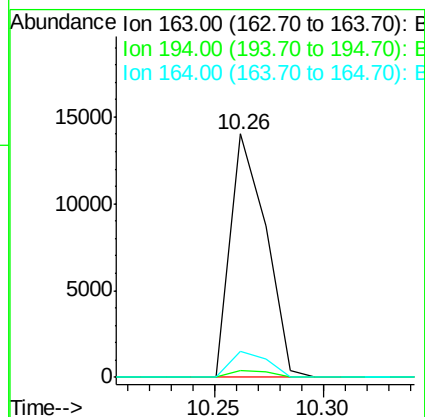
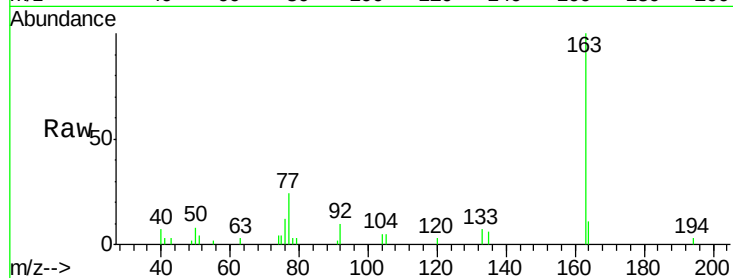
#49
Dimethylphthalate
Concen: 3.05 ng
RT: 10.26 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF078498.D
Acq: 14 Apr 2015 11:19

Instrument :
BNA_F
ClientSampleId :
SB-0DA

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	15842		
194	2.8		2.3	3.5
164	10.8		8.6	13.0

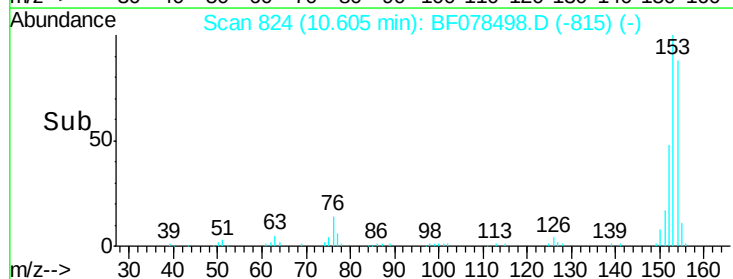
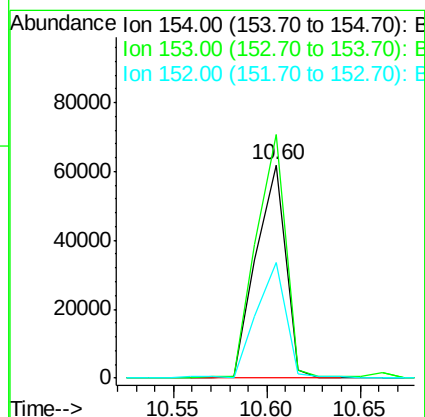
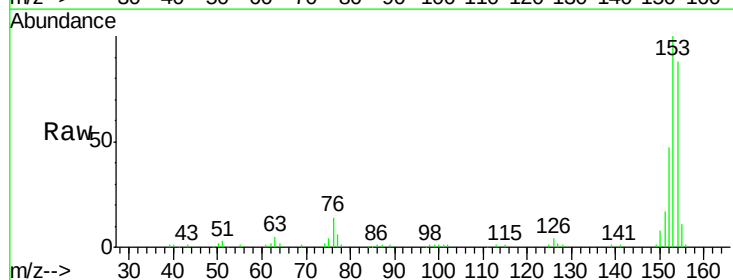
Manual Integrations
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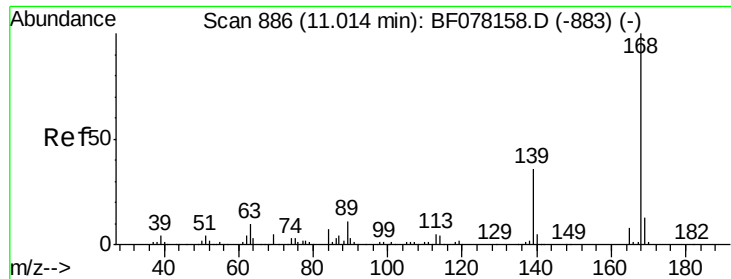
apatel
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#51
Acenaphthene
Concen: 16.77 ng
RT: 10.60 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF078498.D
Acq: 14 Apr 2015 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	67753		
153	114.1		91.4	137.2
152	54.0		43.0	64.6





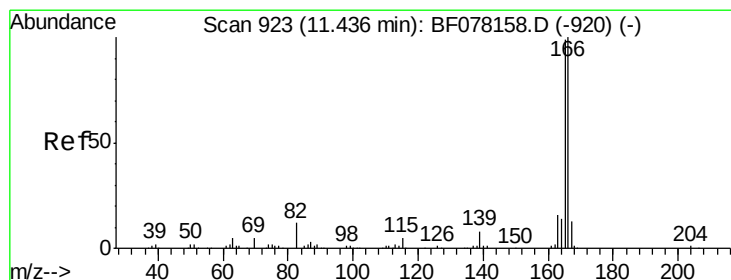
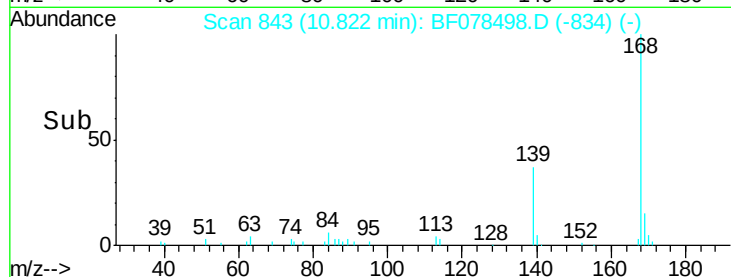
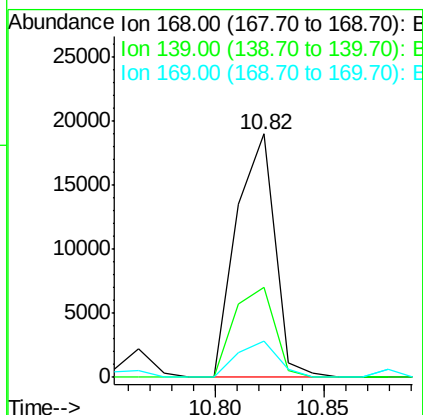
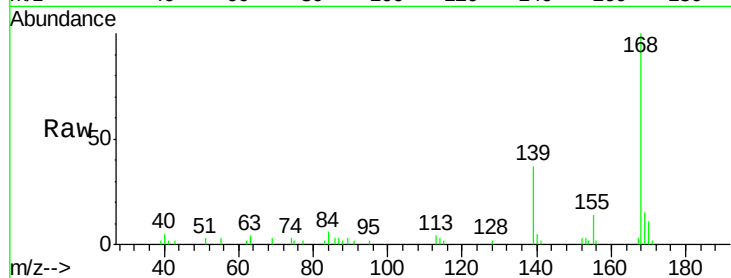
#54
Dibenzenofuran
Concen: 3.79 ng
RT: 10.82 min Scan# 843
Delta R.T. -0.00 min
Lab File: BF078498.D
Acq: 14 Apr 2015 11:19

Instrument :
BNA_F
ClientSampled :
SB-0DA

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.0	31.0	46.4
169	14.8	10.7	16.1

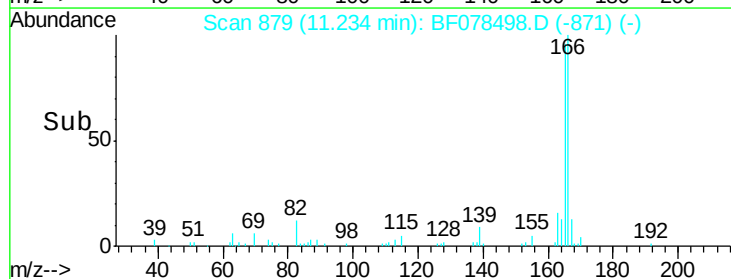
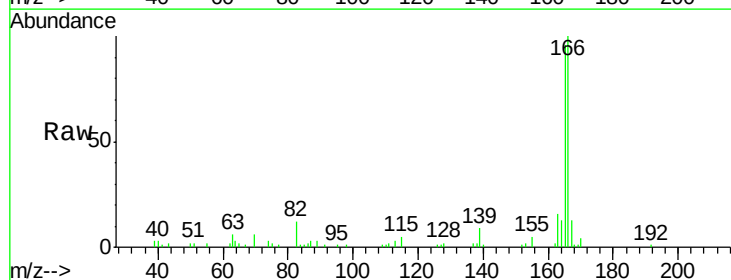
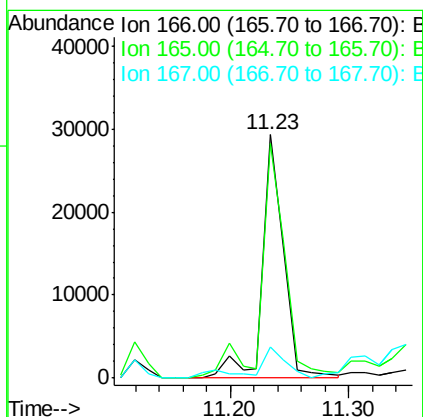
Manual Integrations
APPROVED

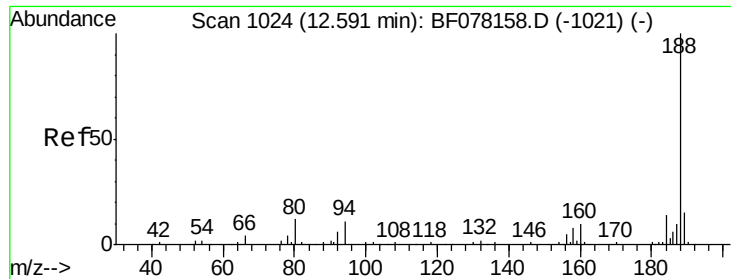
apatel
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#57
Fluorene
Concen: 7.26 ng
RT: 11.23 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF078498.D
Acq: 14 Apr 2015 11:19

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.3	78.9	118.3
167	13.0	10.7	16.1





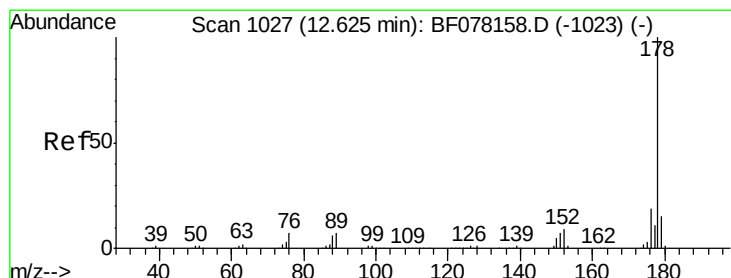
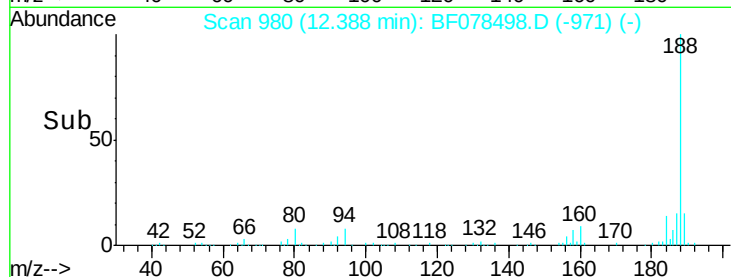
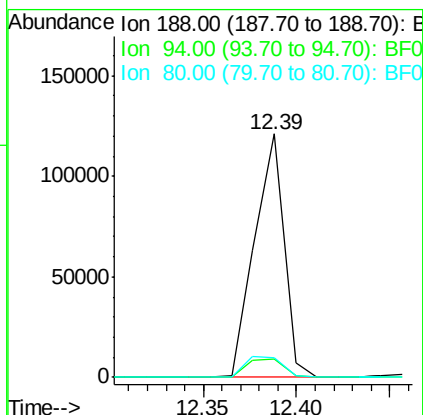
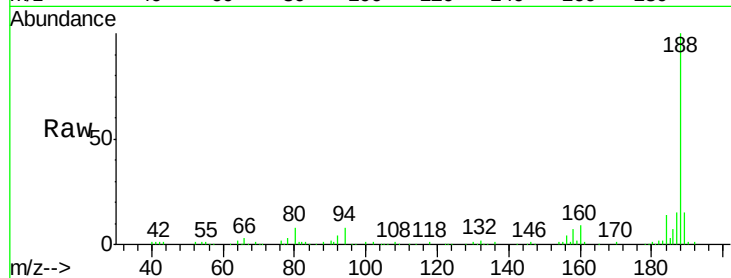
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.39 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: BF078498.D
 Acq: 14 Apr 2015 11:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-0DA

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.5	9.0	13.4#
80	8.1	9.5	14.3#

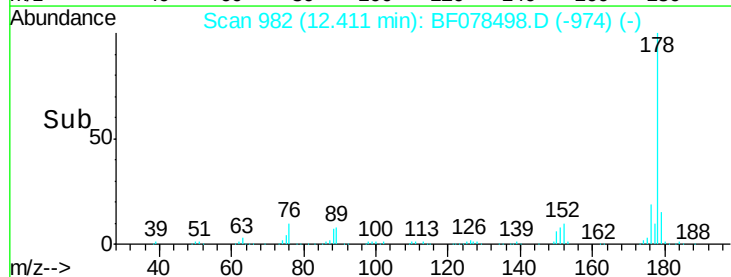
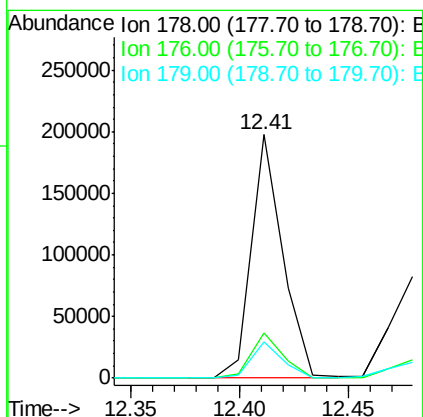
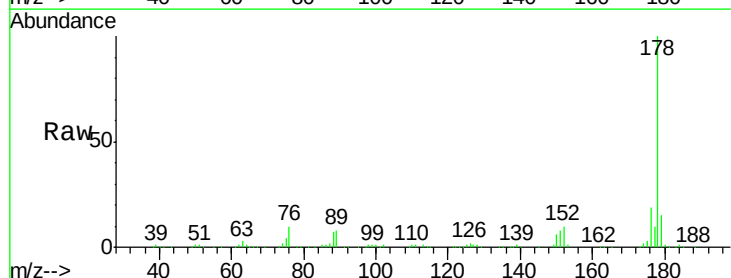
Manual Integrations
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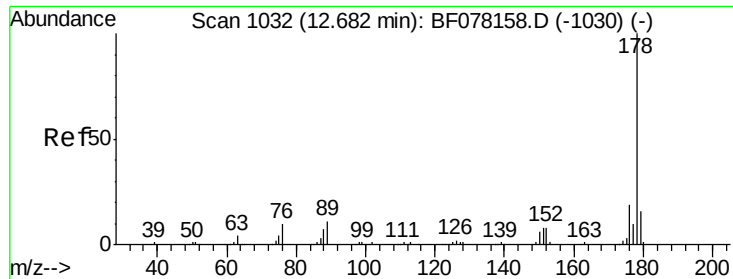
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#70
 Phenanthrene
 Concen: 25.87 ng
 RT: 12.41 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: BF078498.D
 Acq: 14 Apr 2015 11:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.7	15.4	23.0
179	14.7	12.2	18.2





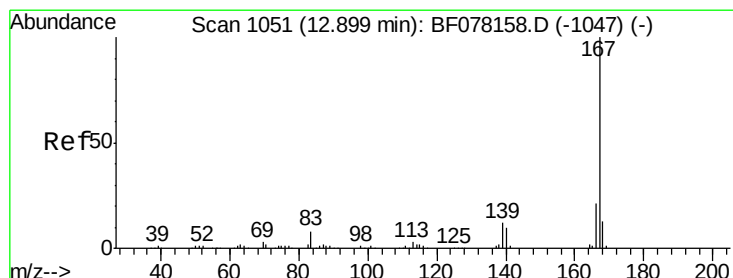
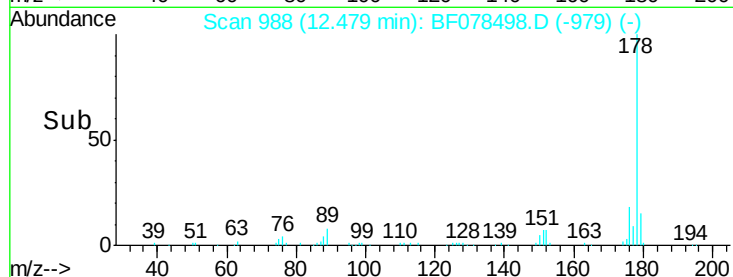
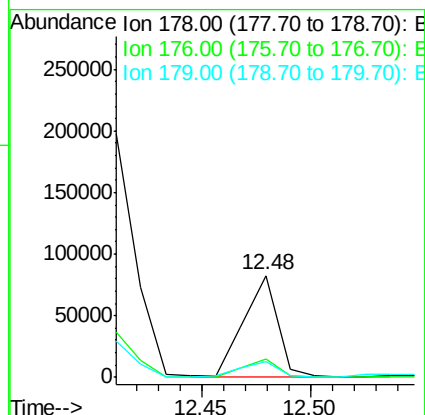
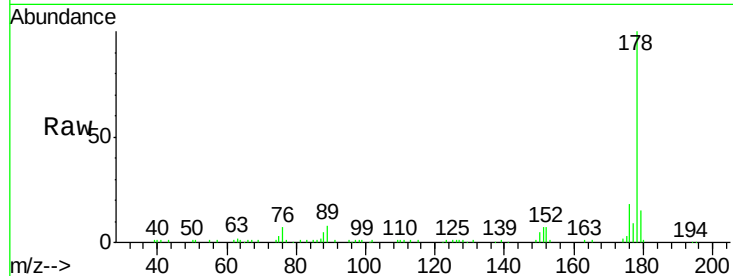
#71
 Anthracene
 Concen: 11.80 ng
 RT: 12.48 min Scan# 988
 Delta R.T. 0.00 min
 Lab File: BF078498.D
 Acq: 14 Apr 2015 11:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-0DA

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.8	22.2
179	15.4	12.4	18.6

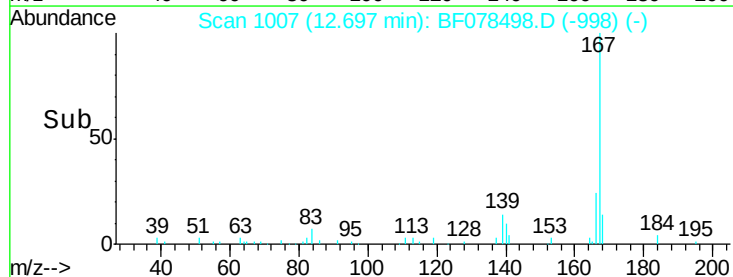
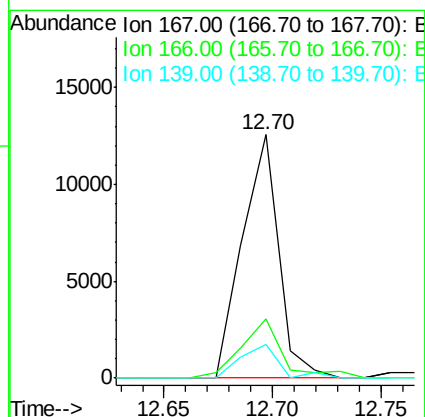
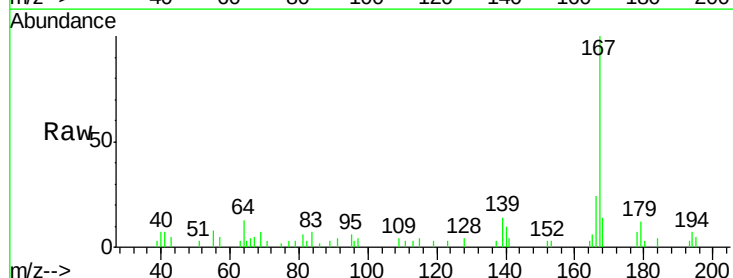
Manual Integrations
 APPROVED

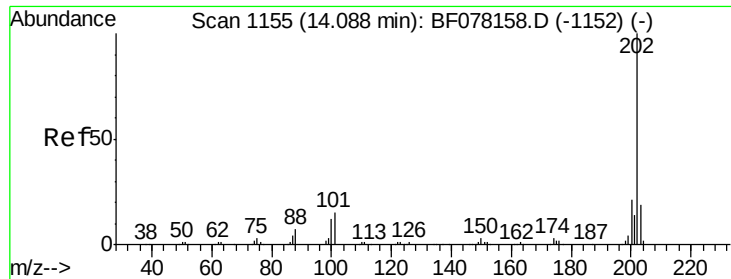
apatel
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#72
 Carbazole
 Concen: 2.06 ng
 RT: 12.70 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: BF078498.D
 Acq: 14 Apr 2015 11:19

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.2	16.8	25.2
139	13.9	10.0	15.0





#74

Fluoranthene

Concen: 29.46 ng

RT: 13.87 min Scan# 1110

Delta R.T. -0.00 min

Lab File: BF078498.D

Acq: 14 Apr 2015 11:19

Instrument :

BNA_F

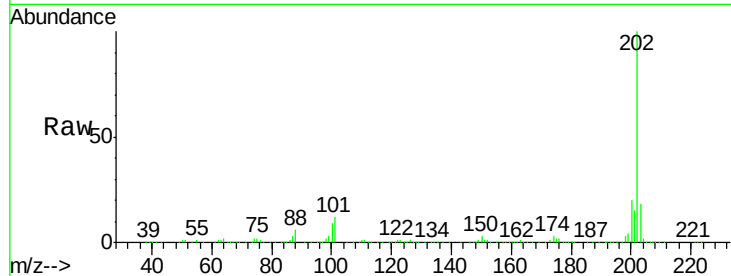
ClientSampleId :

SB-0DA

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	238089		
101	12.4	0.0	35.2	
203	17.9	0.0	38.5	

Manual Integrations
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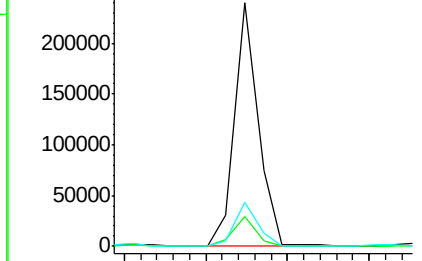
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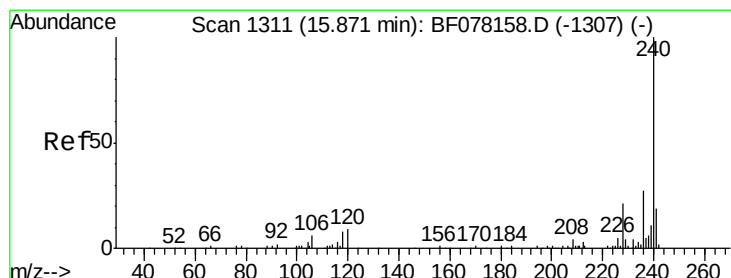
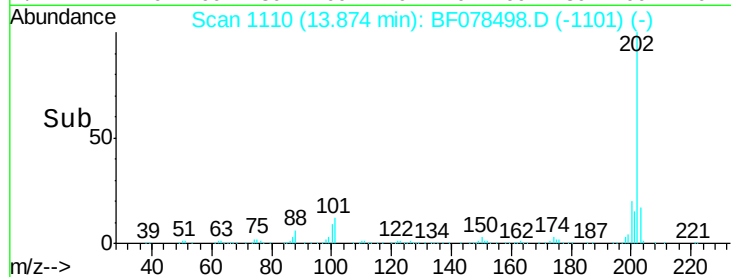
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 13.80 13.85 13.90 13.95



#75

Chrysene-d12

Concen: 20.00 ng

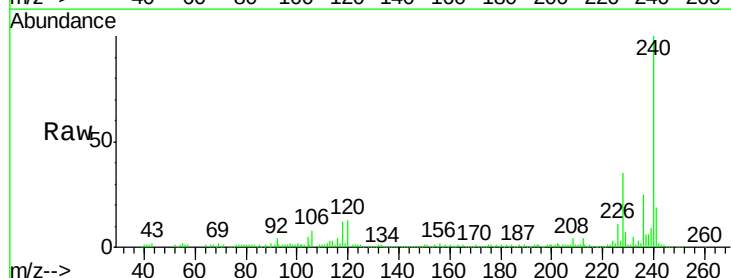
RT: 15.63 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BF078498.D

Acq: 14 Apr 2015 11:19

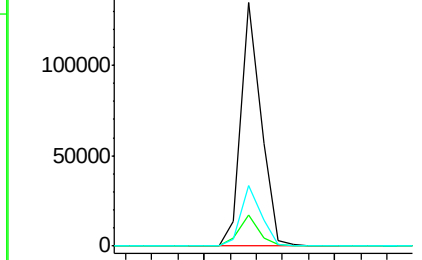
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	144811		
120	13.0	7.1	10.7#	
236	25.0	21.4	32.2	



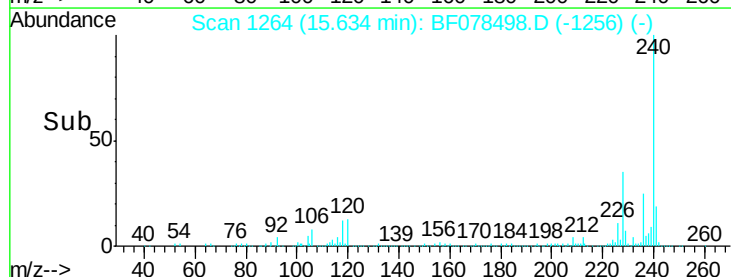
Abundance Ion 240.00 (239.70 to 240.70): E

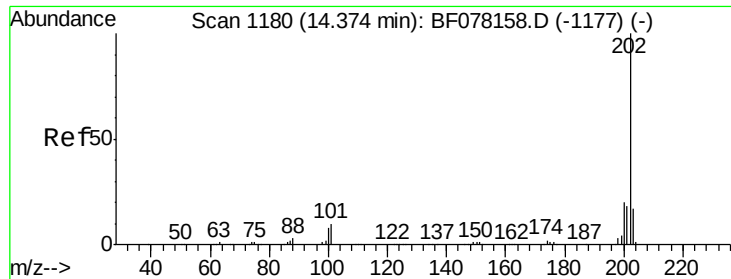
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 15.60 15.70





#77

Pyrene

Concen: 35.80 ng

RT: 14.15 min Scan# 1134

Delta R.T. 0.00 min

Lab File: BF078498.D

Acq: 14 Apr 2015 11:19

Instrument :

BNA_F

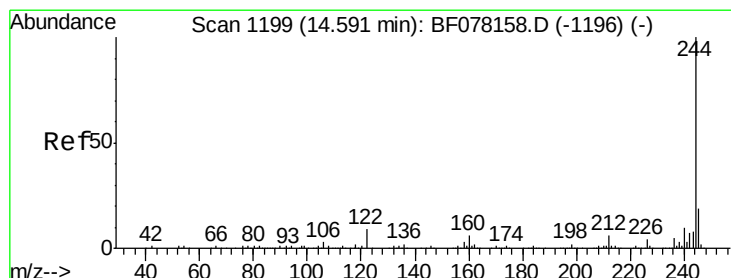
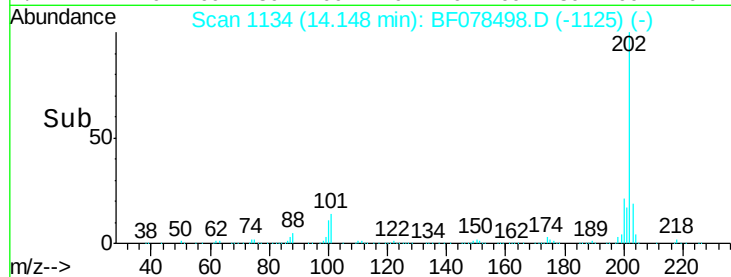
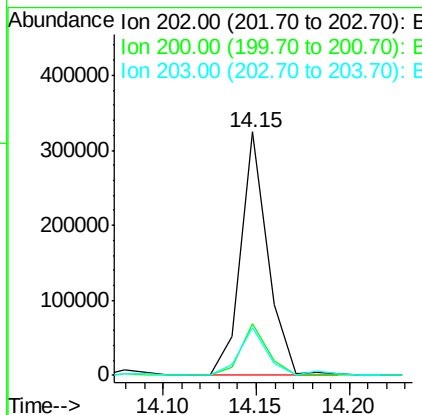
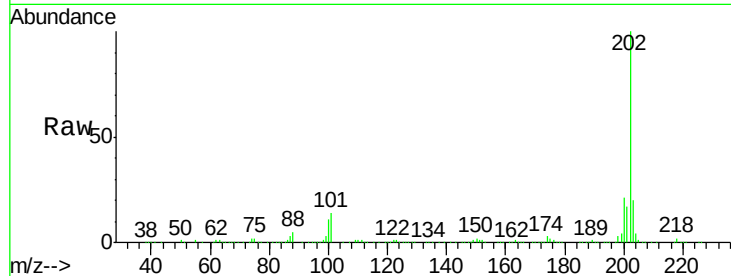
ClientSampleId :

SB-0DA

Tgt	Ion	202	Resp:	325489
Ion	Ratio	Lower	Upper	
202	100			
200	21.3	16.3	24.5	
203	19.5	13.8	20.6	

Manual Integrations
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#78

Terphenyl-d14

Concen: 50.69 ng

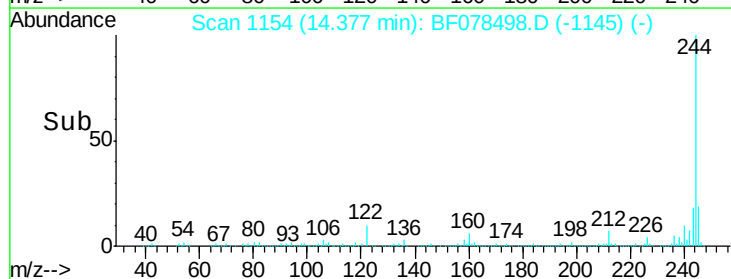
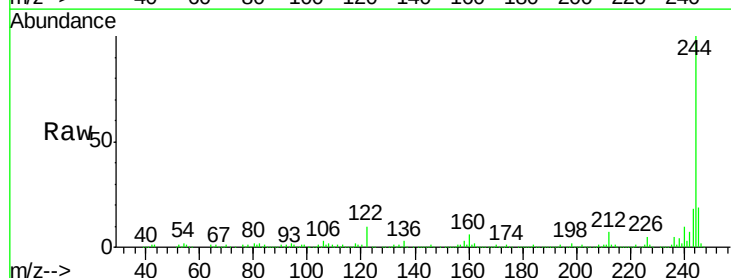
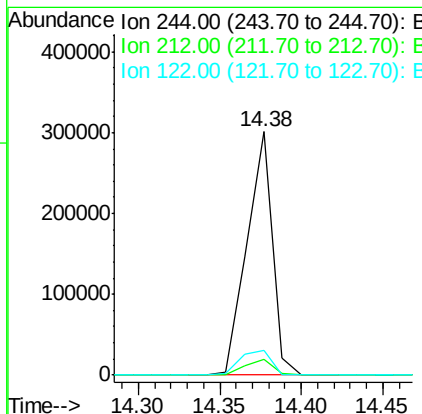
RT: 14.38 min Scan# 1154

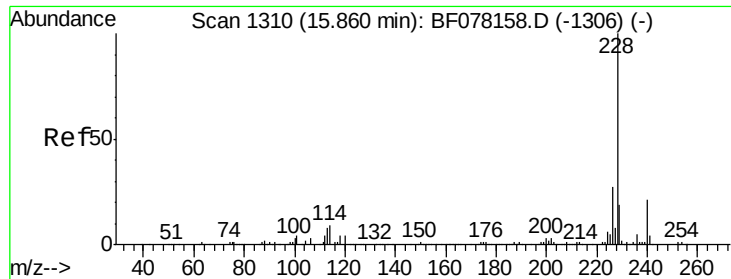
Delta R.T. -0.00 min

Lab File: BF078498.D

Acq: 14 Apr 2015 11:19

Tgt	Ion	244	Resp:	324862
Ion	Ratio	Lower	Upper	
244	100			
212	6.6	5.0	7.4	
122	9.9	7.1	10.7	





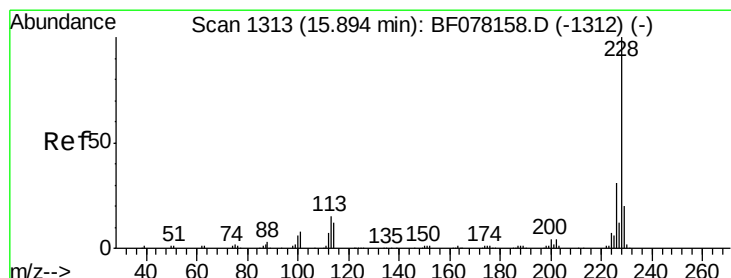
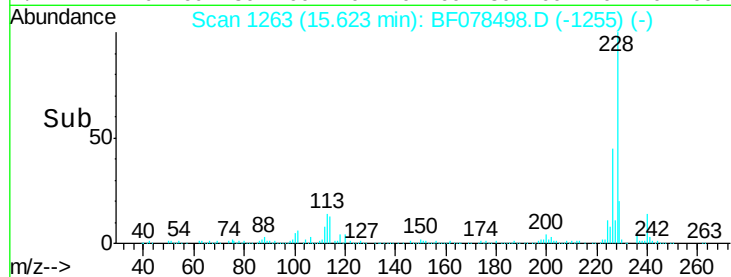
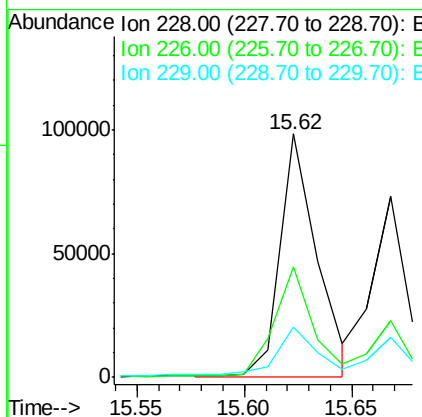
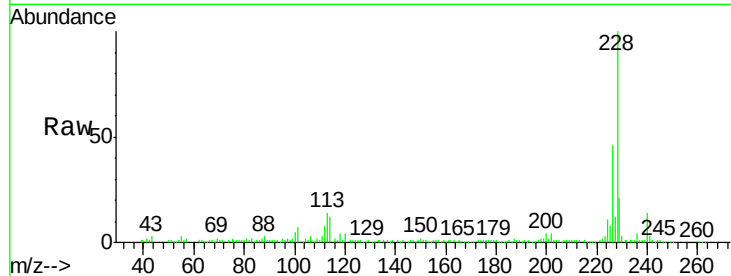
#80
Benzo(a)anthracene
Concen: 13.71 ng m
RT: 15.62 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF078498.D
Acq: 14 Apr 2015 11:19

Instrument :
BNA_F
ClientSampled :
SB-ODA

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	118111		
226	45.6	21.3	31.9#	
229	20.7	15.4	23.2	

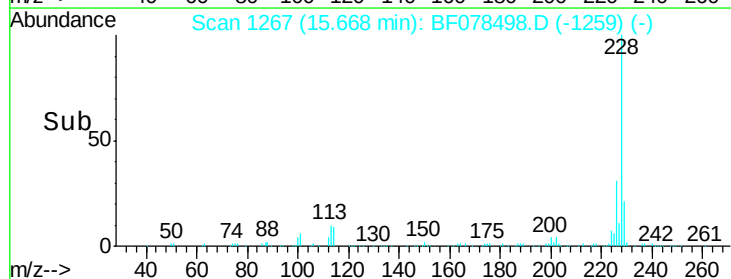
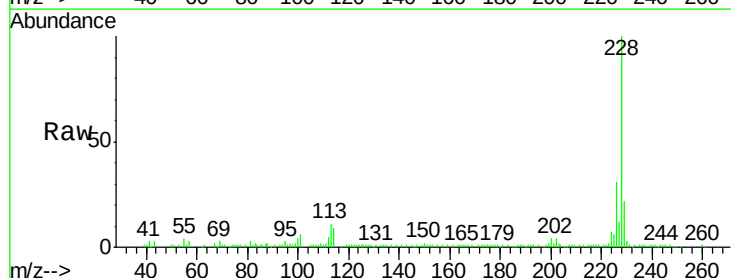
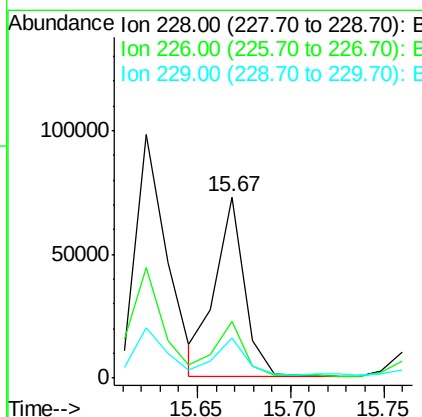
Manual Integrations
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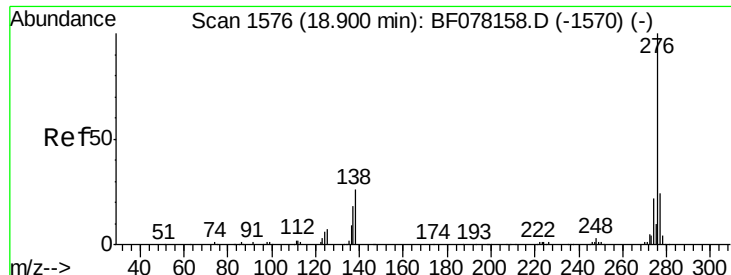
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#82
Chrysene
Concen: 9.79 ng
RT: 15.67 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF078498.D
Acq: 14 Apr 2015 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	79266		
226	31.0	24.2	36.4	
229	22.4	15.8	23.8	





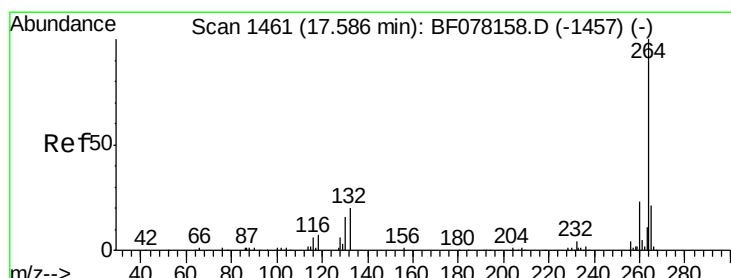
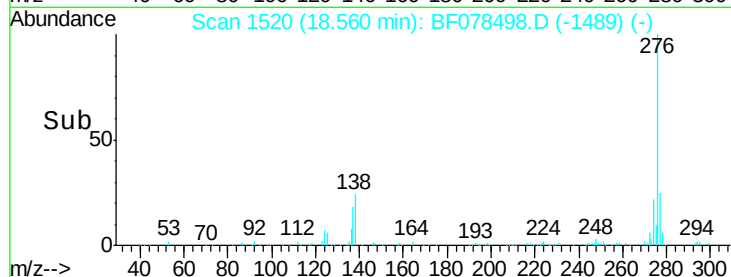
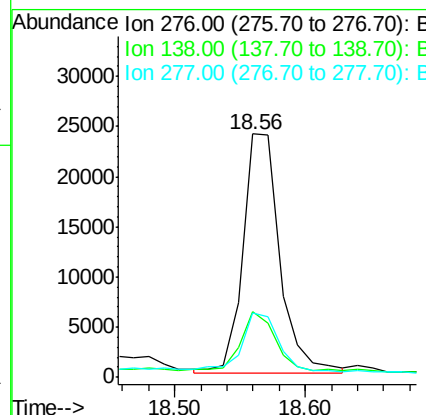
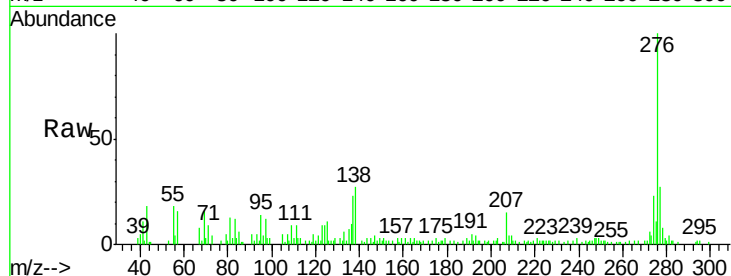
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.12 ng m
 RT: 18.56 min Scan# 1520
 Delta R.T. 0.06 min
 Lab File: BF078498.D
 Acq: 14 Apr 2015 11:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-0DA

Tgt Ion	Ratio	Lower	Upper
276	100		
138	7.2	16.9	25.3#
277	6.0	15.8	23.6#

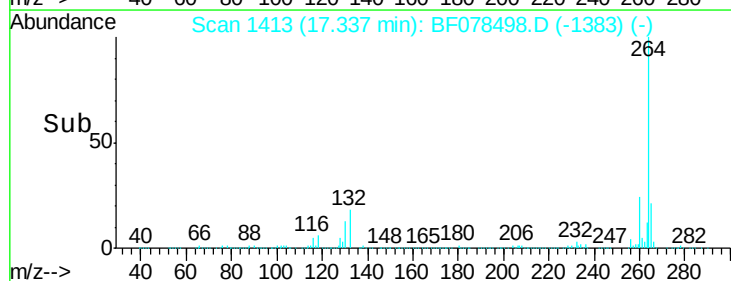
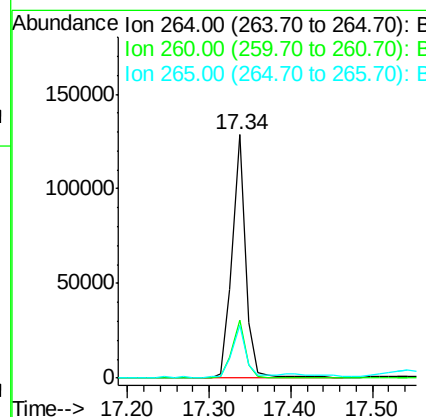
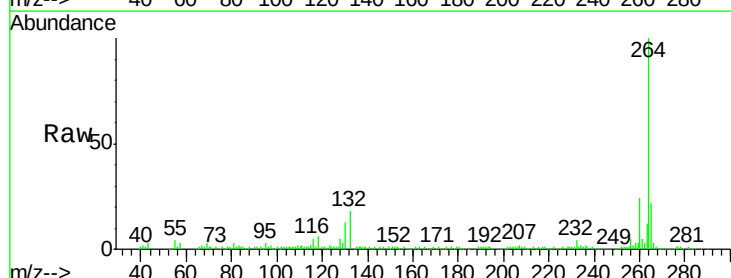
Manual Integrations
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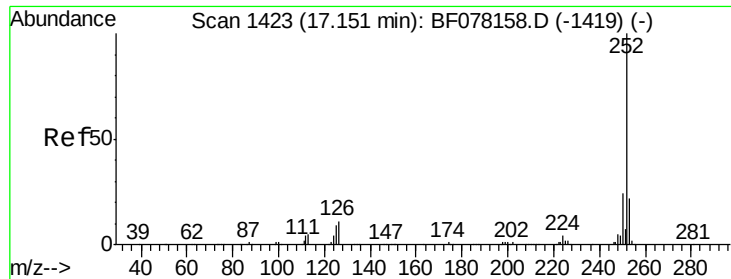
apatel
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.34 min Scan# 1413
 Delta R.T. 0.05 min
 Lab File: BF078498.D
 Acq: 14 Apr 2015 11:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	27.8
265	21.6	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 11.19 ng m

RT: 16.90 min Scan# 1375

Delta R.T. 0.02 min

Lab File: BF078498.D

Acq: 14 Apr 2015 11:19

Instrument :

BNA_F

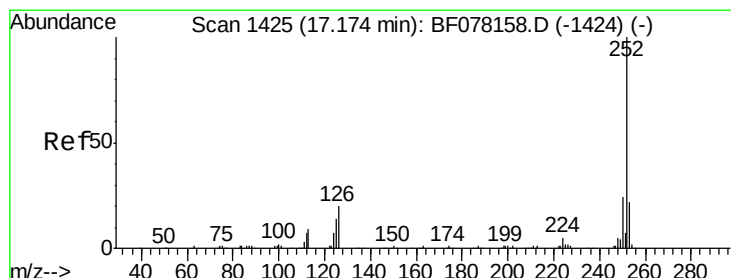
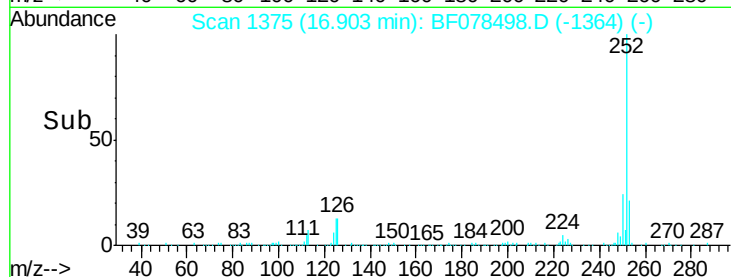
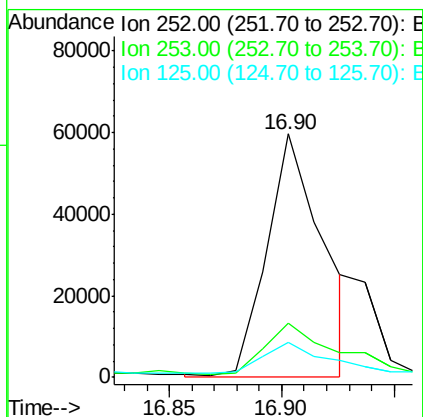
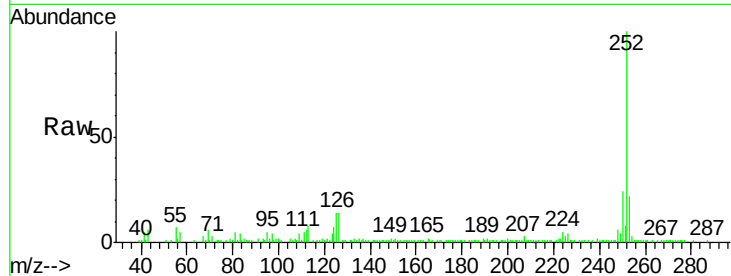
ClientSampleId :

SB-0DA

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	103463		
253	22.0	17.2	25.8	
125	14.2	7.0	10.4	

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.49 ng m

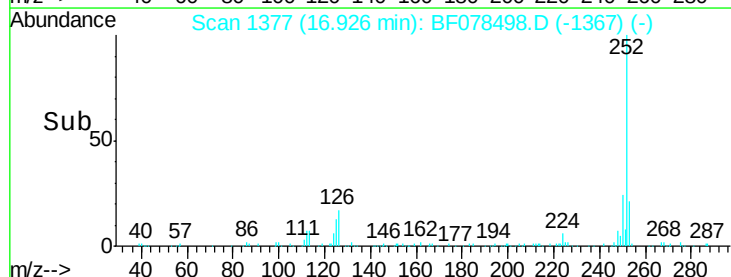
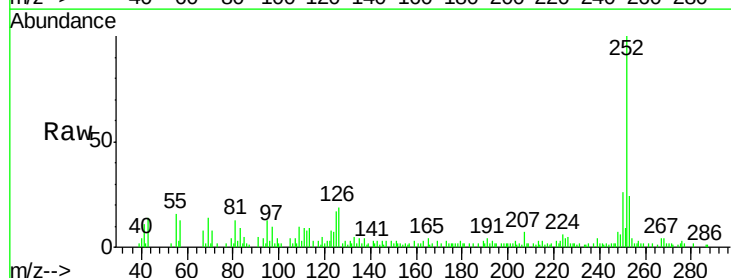
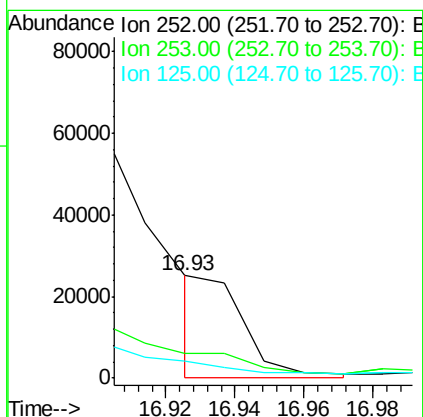
RT: 16.93 min Scan# 1377

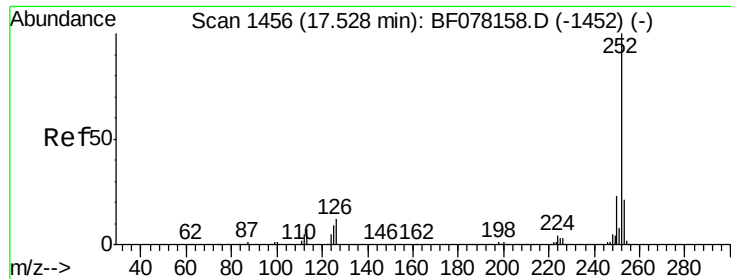
Delta R.T. 0.01 min

Lab File: BF078498.D

Acq: 14 Apr 2015 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	20431		
253	23.9	17.5	26.3	
125	16.8	11.6	17.4	





#89

Benzo(a)pyrene

Concen: 12.61 ng

RT: 17.27 min Scan# 1407

Delta R.T. 0.03 min

Lab File: BF078498.D

Acq: 14 Apr 2015 11:19

Instrument :

BNA_F

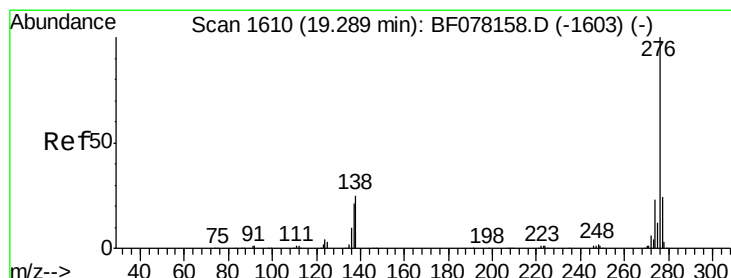
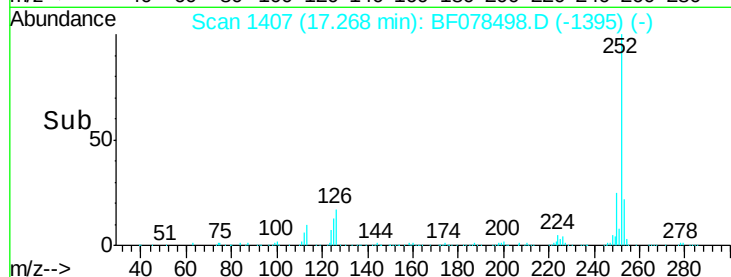
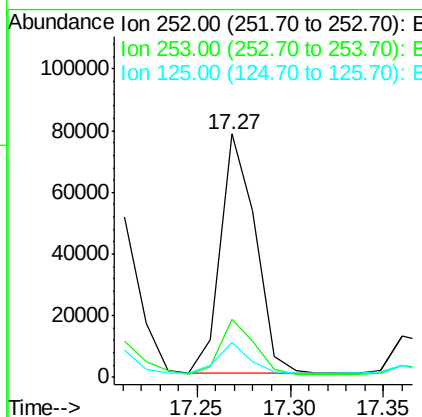
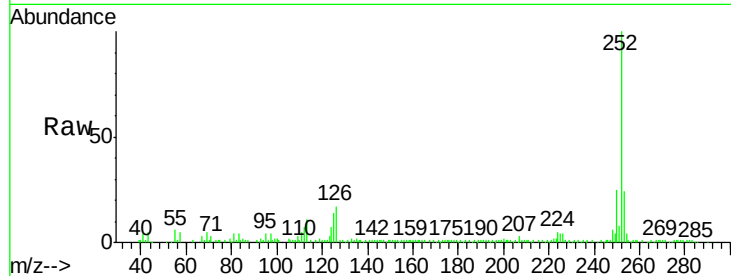
ClientSampled :

SB-0DA

Tgt Ion:	252	Resp:	101755
Ion Ratio		Lower	Upper
252	100		
253	23.7	16.8	25.2
125	14.2	7.4	11.0#

Manual Integrations
APPROVED

apatel
4/14/2015 5:27:08 PM



#91

Benzo(g,h,i)perylene

Concen: 6.71 ng

RT: 18.91 min Scan# 1551

Delta R.T. 0.07 min

Lab File: BF078498.D

Acq: 14 Apr 2015 11:19

Tgt Ion:	276	Resp:	54347
Ion Ratio		Lower	Upper
276	100		
277	24.4	19.0	28.4
138	21.7	19.9	29.9

