

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\
 Data File : BF078398.D
 Acq On : 10 Apr 2015 12:06
 Operator : TP/IZ
 Sample : G1793-01RE
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2SRE

Manual Integrations
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Quant Time: Apr 10 13:24:49 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 09 11:29:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	46436	20.00	ng	0.00
21) Naphthalene-d8	8.46	136	194748	20.00	ng	0.00
38) Acenaphthene-d10	10.63	164	94507	20.00	ng	-0.01
63) Phenanthrene-d10	12.45	188	185151	20.00	ng	-0.01
75) Chrysene-d12	15.71	240	191589	20.00	ng	-0.03
86) Perylene-d12	17.41	264	177884	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	103806	36.86	ng	-0.02
7) Phenol-d6	6.49	99	320948	90.93	ng	0.01
23) Nitrobenzene-d5	7.58	82	212279	66.07	ng	0.00
41) 2,4,6-Tribromophenol	11.60	330	15745	20.09	ng	-0.02
44) 2-Fluorobiphenyl	9.81	172	415410	62.83	ng	0.00
78) Terphenyl-d14	14.44	244	407702	48.09	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.49	128	25237	2.49	ng	98
49) Dimethylphthalate	10.33	163	38571	5.43	ng	# 97
51) Acenaphthene	10.66	154	11776	2.13	ng	97
54) Dibenzofuran	10.88	168	24342	2.88	ng	99
57) Fluorene	11.30	166	17312	2.53	ng	99
70) Phenanthrene	12.48	178	250982	23.43	ng	100
71) Anthracene	12.55	178	58876	5.58	ng	99
72) Carbazole	12.75	167	26829	2.71	ng	# 94
74) Fluoranthene	13.94	202	229902	20.35	ng	97
77) Pyrene	14.21	202	198789	16.53	ng	# 93
80) Benzo(a)anthracene	15.70	228	104058	9.13	ng	97
82) Chrysene	15.75	228	79971m	7.47	ng	
85) Indeno(1,2,3-cd)pyrene	18.66	276	38544m	3.17	ng	
87) Benzo(b)fluoranthene	16.98	252	106219m	9.66	ng	
88) Benzo(k)fluoranthene	17.01	252	23182m	2.37	ng	
89) Benzo(a)pyrene	17.35	252	70011	7.30	ng	# 87
91) Benzo(a,h,i)perylene	19.01	276	37276m	3.87	ng	

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

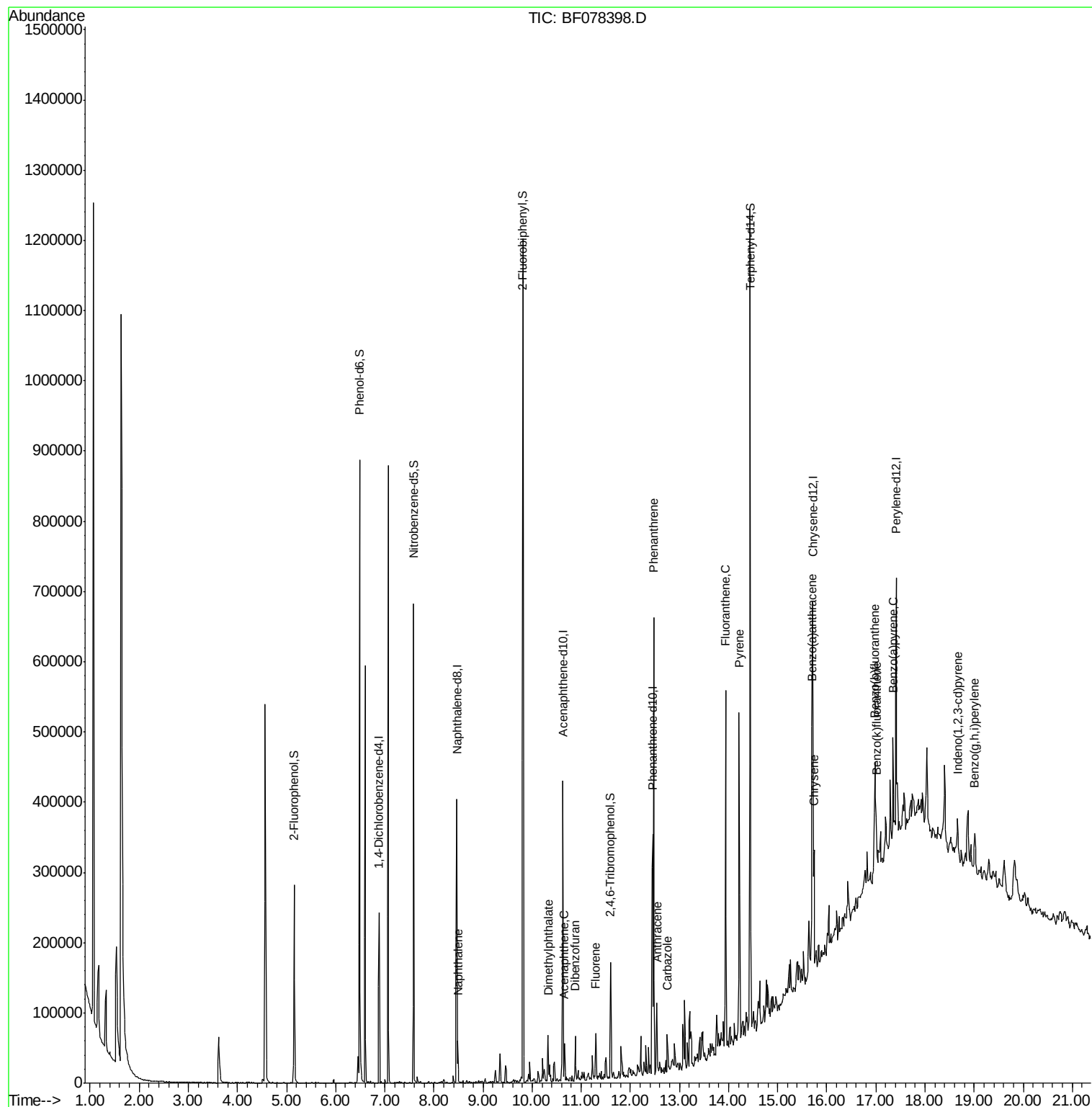
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040915\
Data File : BF078398.D
Acq On : 10 Apr 2015 12:06
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ALS Vial : 39 Sample Multiplier: 1

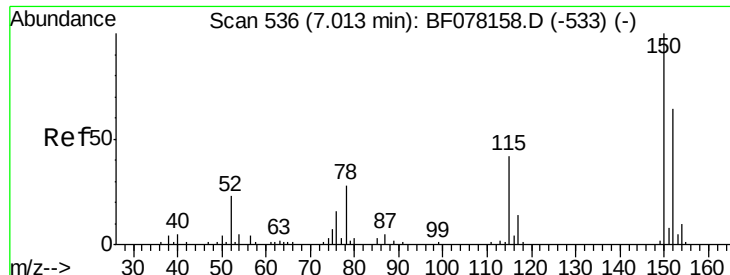
Instrument :
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SB-2SRE

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Quant Time: Apr 10 13:24:49 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

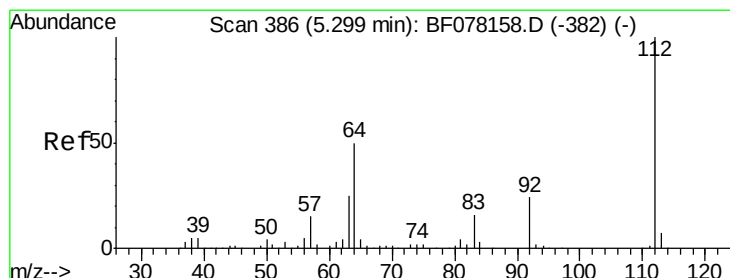
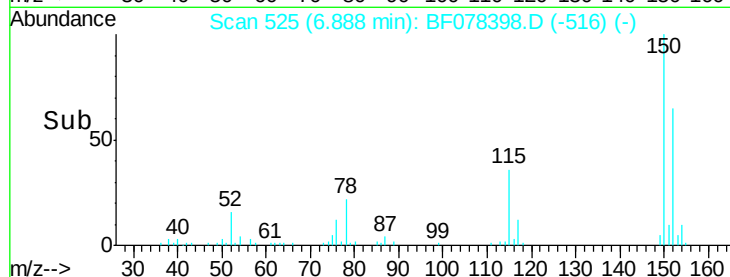
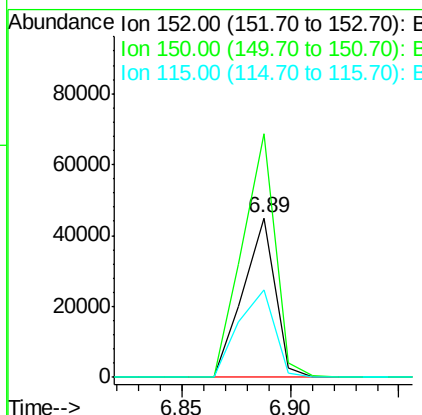
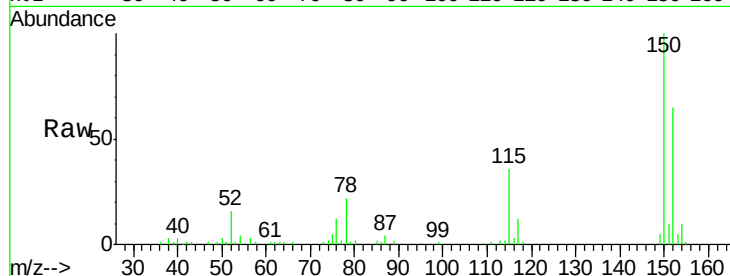
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 525
Delta R.T. 0.00 min
Lab File: BF078398.D
Acq: 10 Apr 2015 12:06

Instrument :
BNA_F
ClientSampleId :
SB-2SRE

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	125.9	188.9
115	55.1	52.7	79.1

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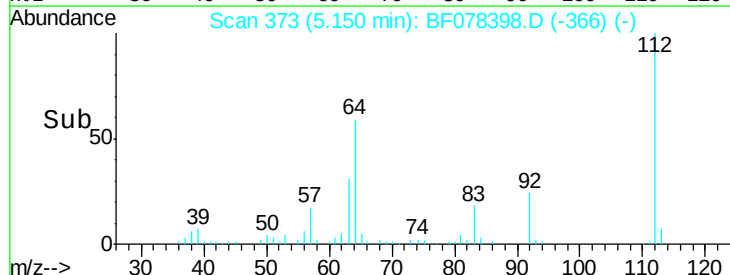
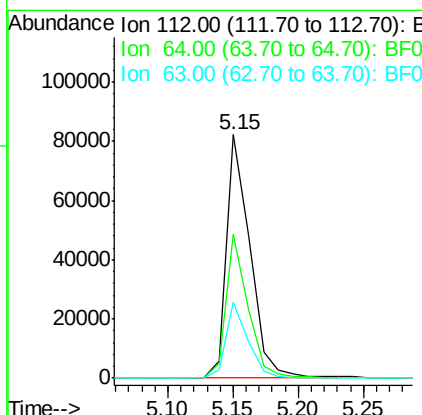
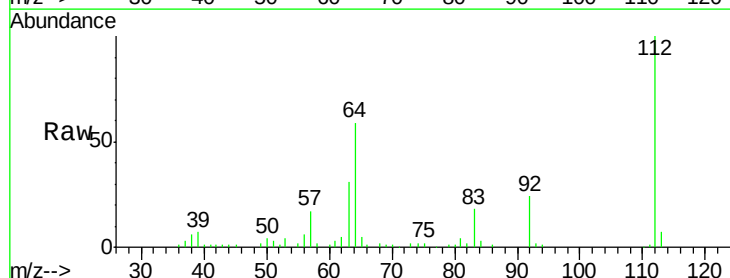
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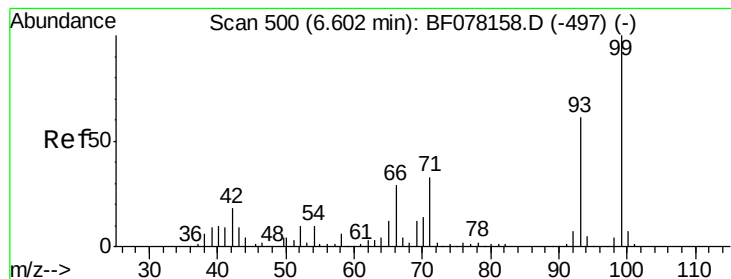


#5

2-Fluorophenol
Concen: 36.86 ng
RT: 5.15 min Scan# 373
Delta R.T. -0.02 min
Lab File: BF078398.D
Acq: 10 Apr 2015 12:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	39.9	59.9
63	31.0	20.2	30.4





#7

Phenol-d6

Concen: 90.93 ng

RT: 6.49 min Scan# 490

Delta R.T. 0.01 min

Lab File: BF078398.D

Acq: 10 Apr 2015 12:06

Instrument :

BNA_F

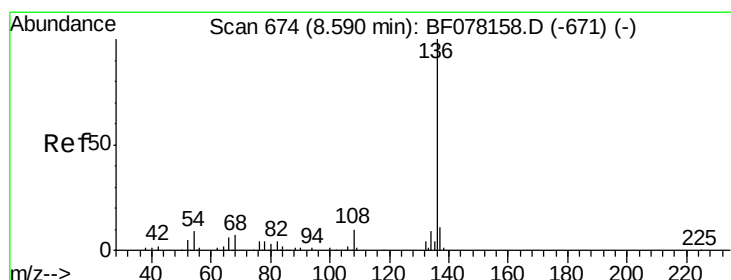
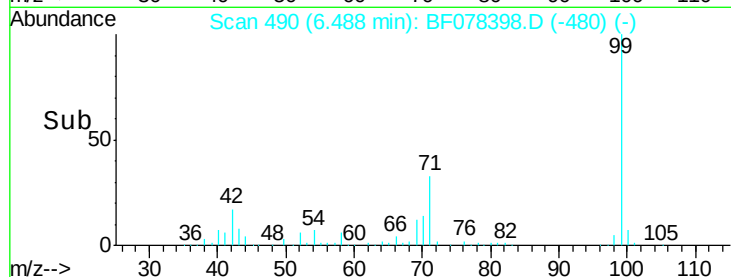
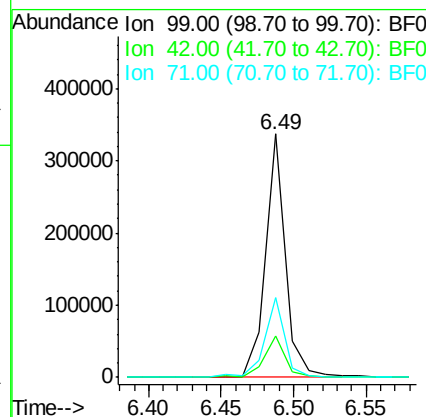
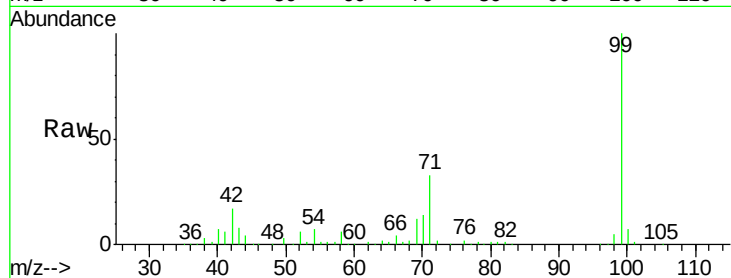
ClientSampleId :

SB-2SRE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		320948		
42	16.9	14.8	22.2		
71	32.6	26.6	39.8		

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#21

Naphthalene-d8

Concen: 20.00 ng

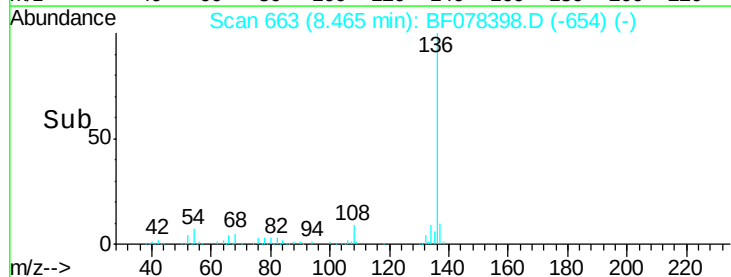
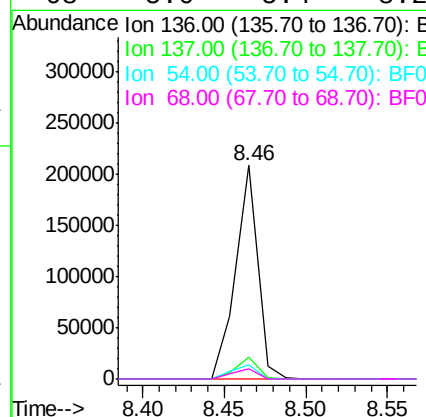
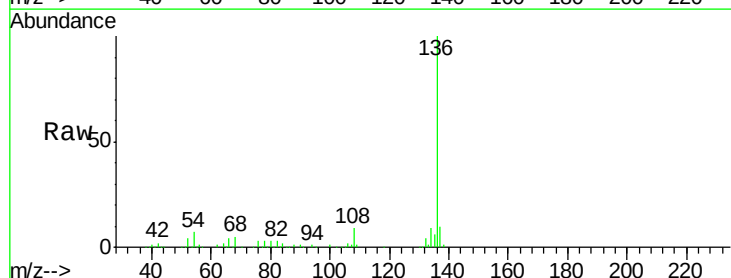
RT: 8.46 min Scan# 663

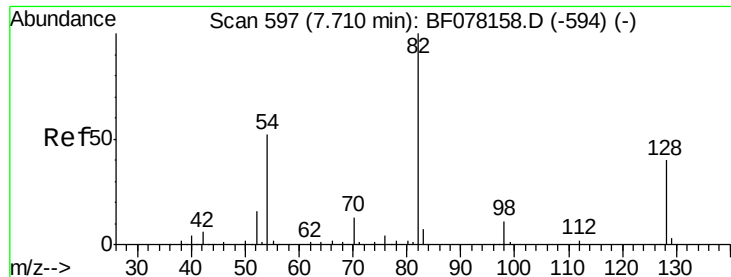
Delta R.T. 0.00 min

Lab File: BF078398.D

Acq: 10 Apr 2015 12:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		194748		
137	10.2	9.0	13.4		
54	6.5	7.0	10.6#		
68	5.0	5.4	8.2#		





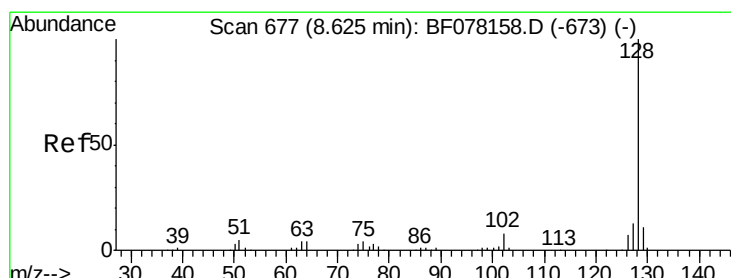
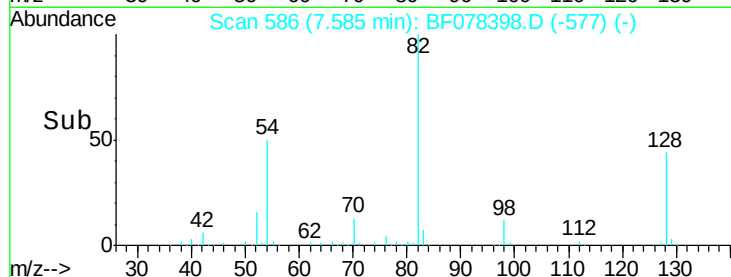
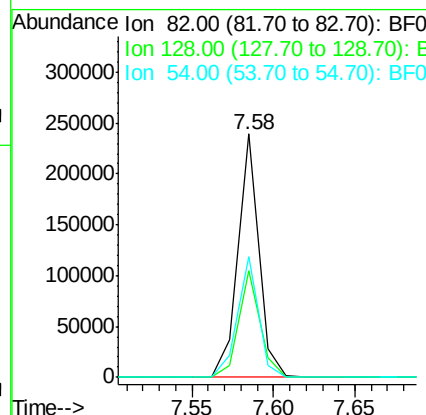
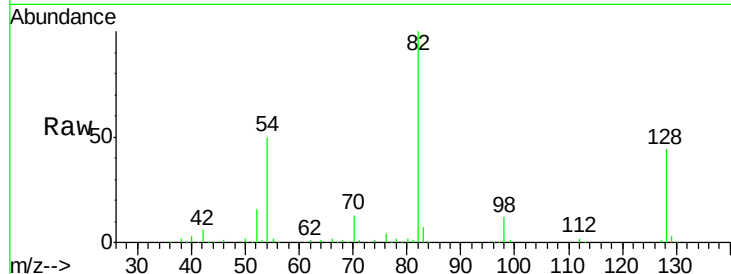
#23
 Nitrobenzene-d5
 Concen: 66.07 ng
 RT: 7.58 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: BF078398.D
 Acq: 10 Apr 2015 12:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-2SRE

Tot Ion	Ratio	Resp	Lower	Upper
82	100	212279		
128	44.1	31.8	47.8	
54	49.6	41.5	62.3	

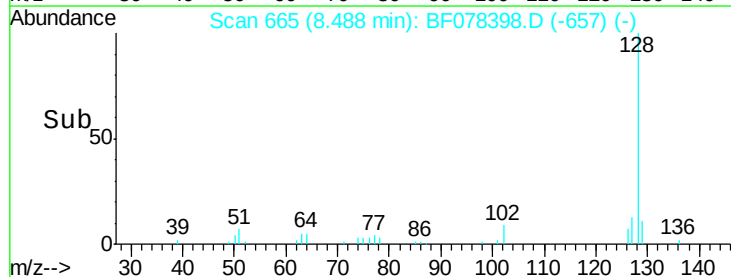
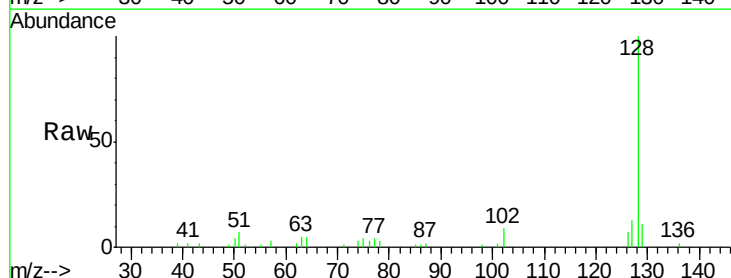
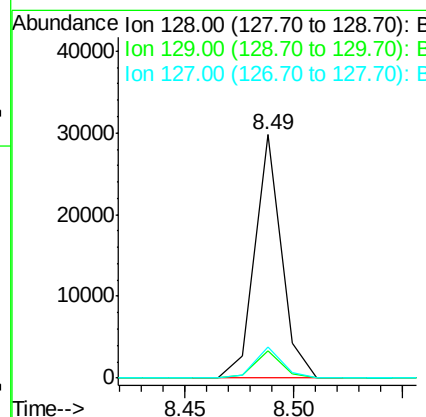
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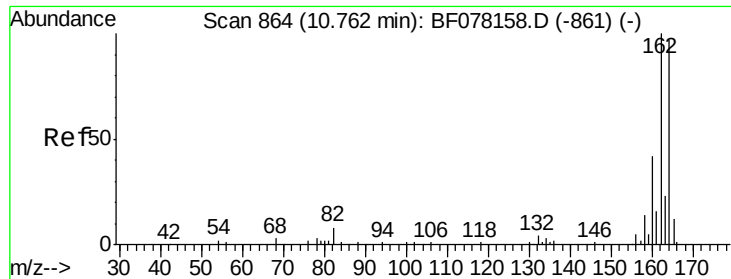
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#31
 Naphthalene
 Concen: 2.49 ng
 RT: 8.49 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: BF078398.D
 Acq: 10 Apr 2015 12:06

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	25237		
129	11.1	8.6	12.8	
127	12.5	10.7	16.1	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.63 min Scan# 852

Delta R.T. -0.01 min

Lab File: BF078398.D

Acq: 10 Apr 2015 12:06

Instrument :

BNA_F

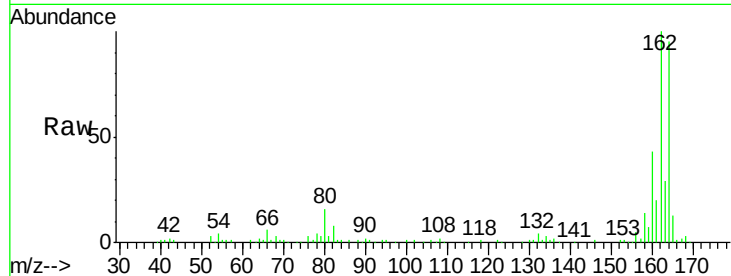
ClientSampleId :

SB-2SRE

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.2	123.2
160	45.4	34.7	52.1

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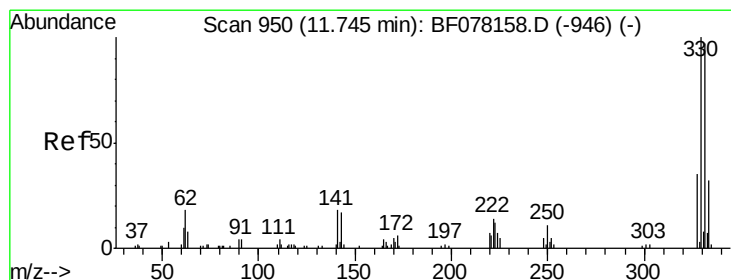
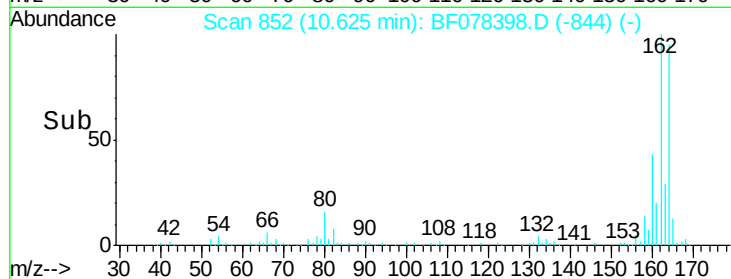
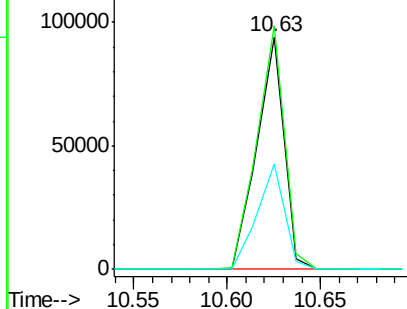
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 20.09 ng

RT: 11.60 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF078398.D

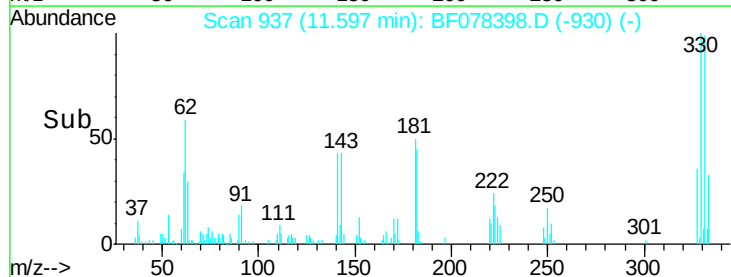
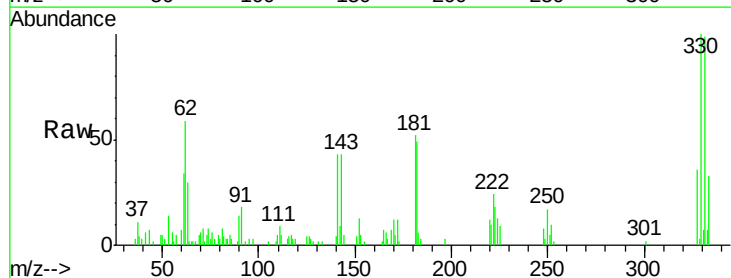
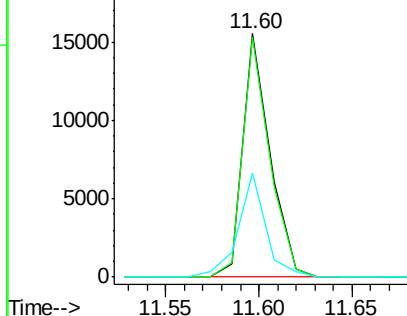
Acq: 10 Apr 2015 12:06

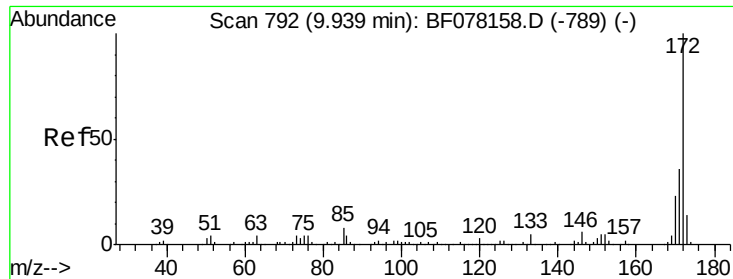
Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.0	78.6	117.8
141	43.5	31.2	46.8

Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





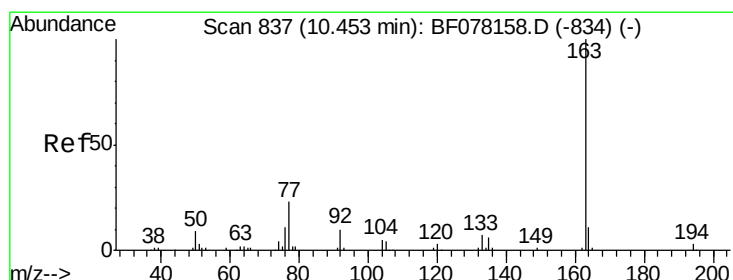
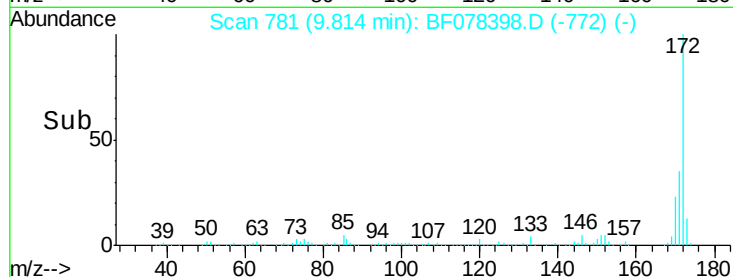
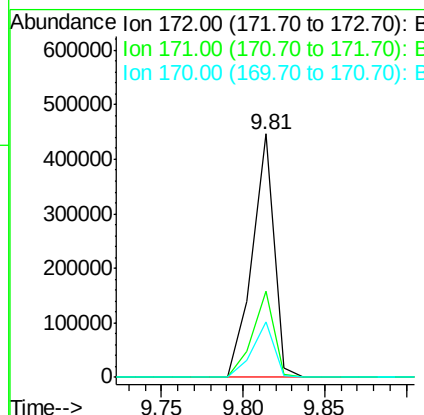
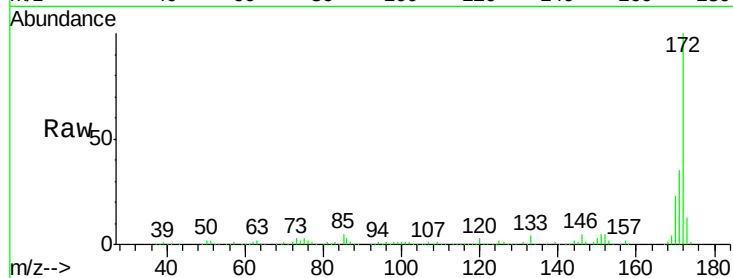
#44
2-Fluorobiphenyl
Concen: 62.83 ng
RT: 9.81 min Scan# 781
Delta R.T. 0.00 min
Lab File: BF078398.D
Acq: 10 Apr 2015 12:06

Instrument :
BNA_F
ClientSampleId :
SB-2SRE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
415410	172	100			
	171	35.3	28.6	42.8	
	170	22.9	18.5	27.7	

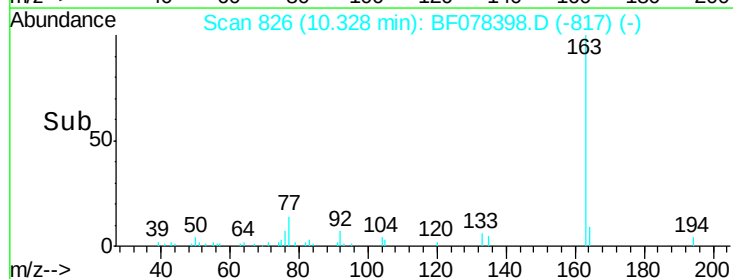
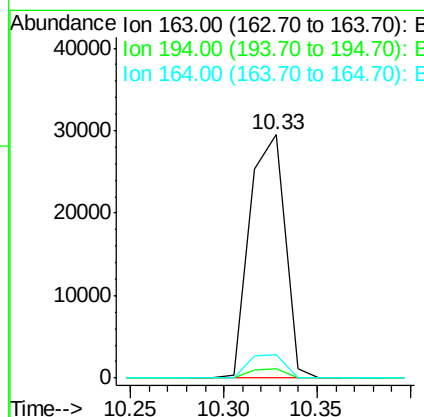
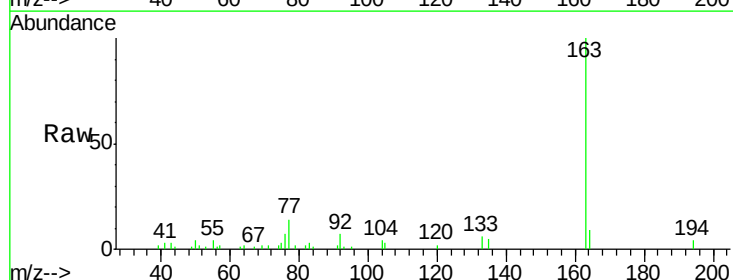
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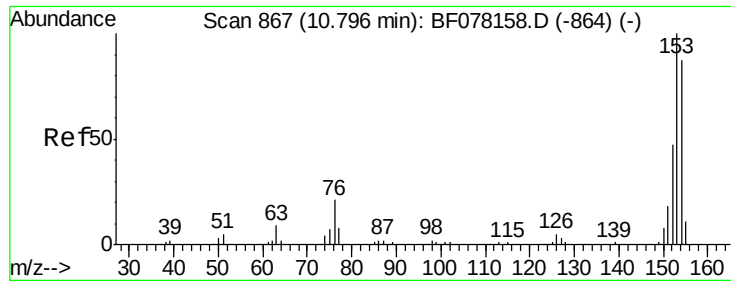
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#49
Dimethylphthalate
Concen: 5.43 ng
RT: 10.33 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF078398.D
Acq: 10 Apr 2015 12:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
38571	163	100			
	194	3.7	2.3	3.5#	
	164	9.4	8.6	13.0	





#51

Acenaphthene

Concen: 2.13 ng

RT: 10.66 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF078398.D

Acq: 10 Apr 2015 12:06

Instrument :

BNA_F

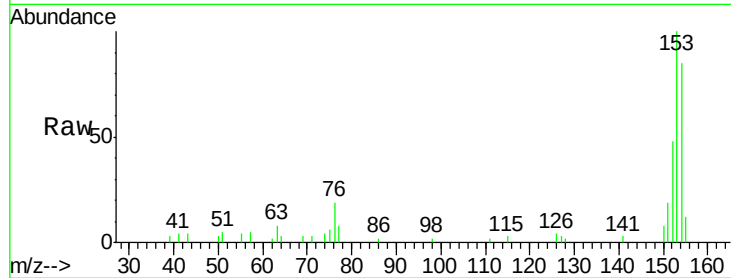
ClientSampleId :

SB-2SRE

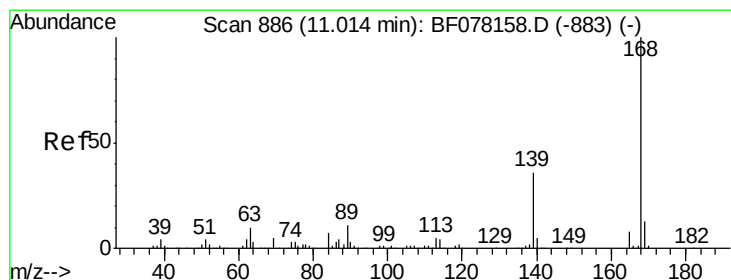
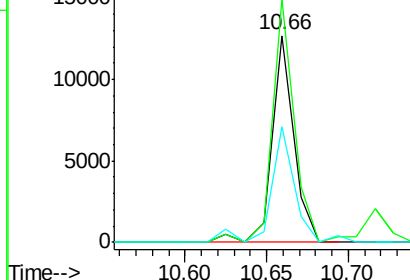
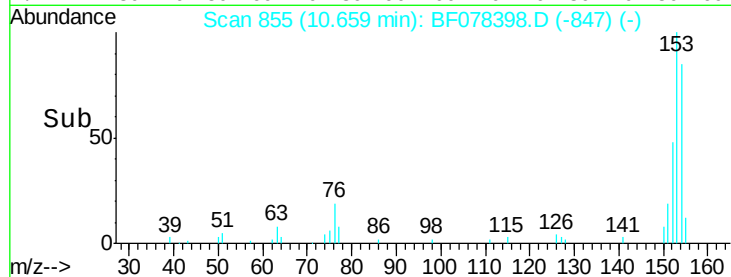
Tot Ion:	154	Resp:	11776
Ion Ratio	Lower	Upper	
154	100		
153	117.9	91.4	137.2
152	56.3	43.0	64.6

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.88 ng

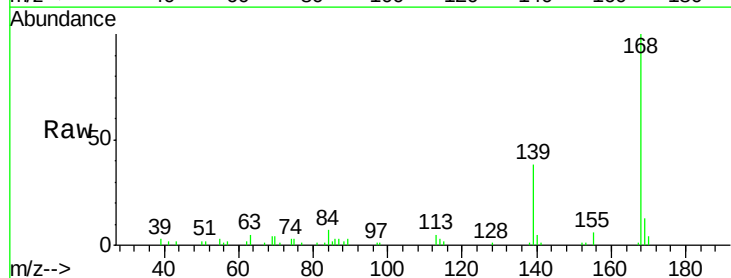
RT: 10.88 min Scan# 874

Delta R.T. -0.01 min

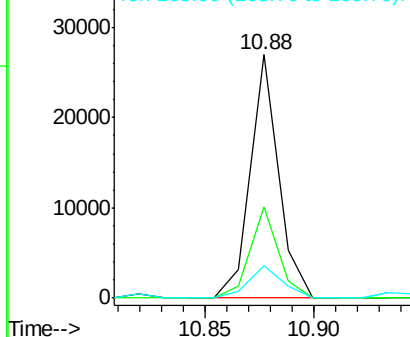
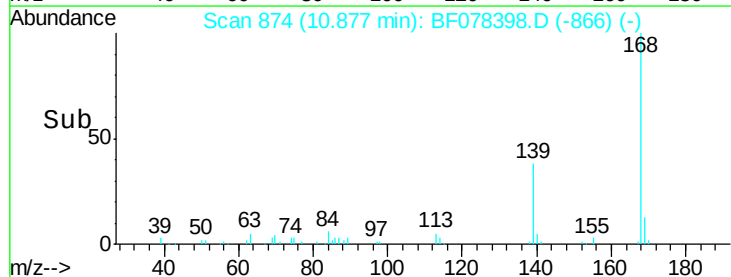
Lab File: BF078398.D

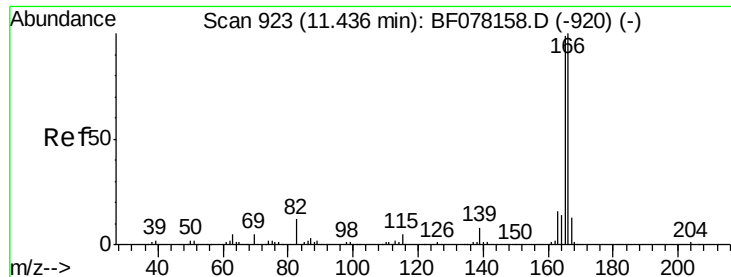
Acq: 10 Apr 2015 12:06

Tgt Ion:	168	Resp:	24342
Ion Ratio	Lower	Upper	
168	100		
139	37.7	31.0	46.4
169	13.3	10.7	16.1



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





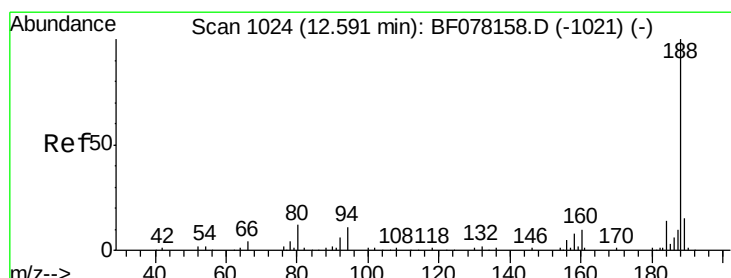
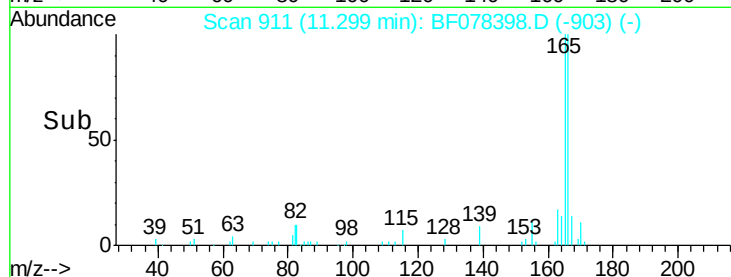
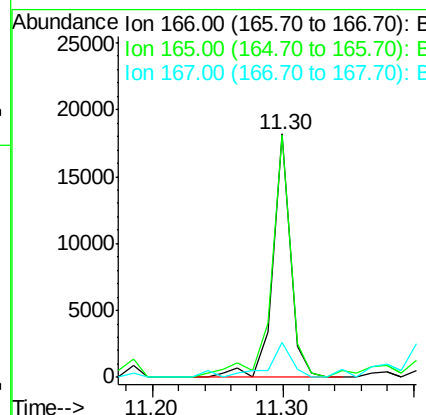
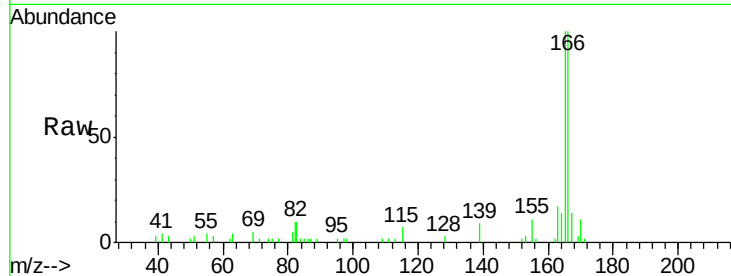
#57
 Fluorene
 Concen: 2.53 ng
 RT: 11.30 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF078398.D
 Acq: 10 Apr 2015 12:06

Instrument :
 BNA_F
 ClientSampleID :
 SB-2SRE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		17312		
165	99.5	78.9	118.3		
167	14.4	10.7	16.1		

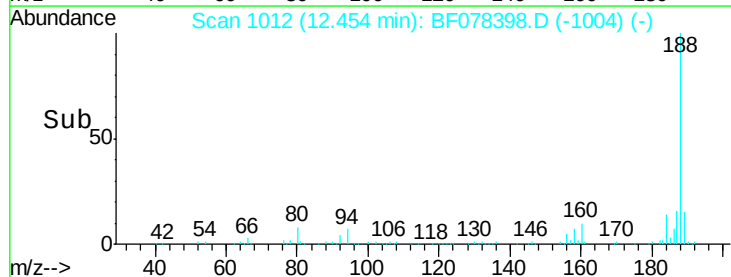
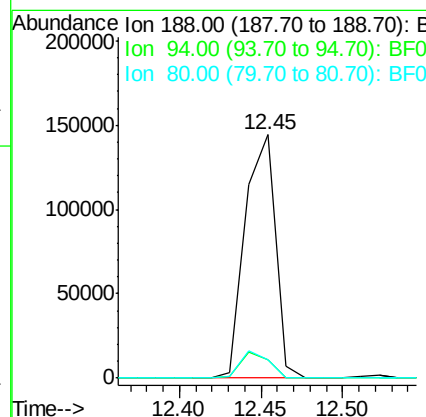
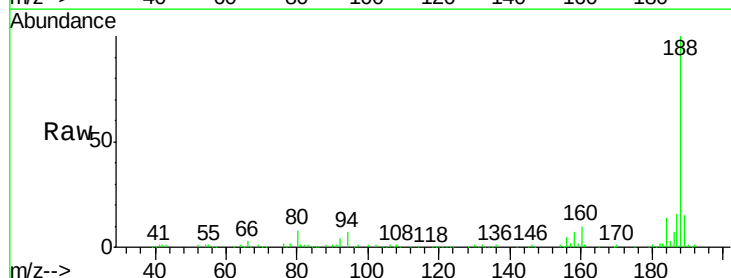
Manual Integrations
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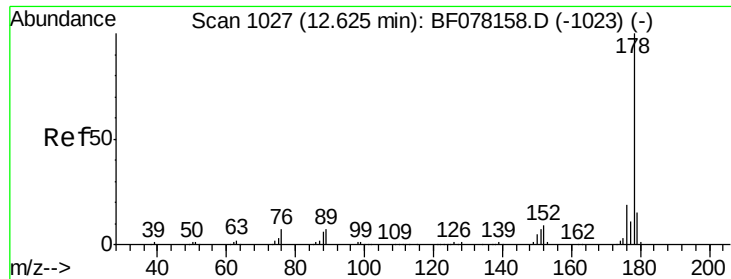
apatel
 4/10/2015 5:14:11 PM



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.45 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: BF078398.D
 Acq: 10 Apr 2015 12:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		185151		
94	7.4	9.0	13.4#		
80	7.7	9.5	14.3#		





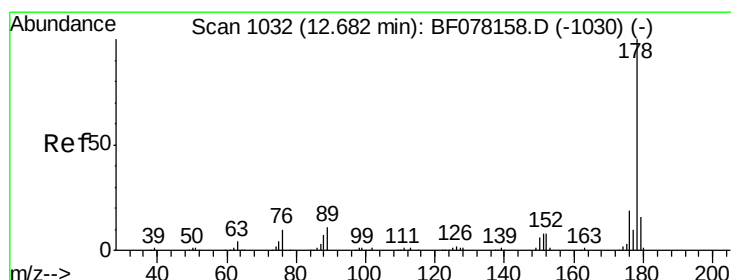
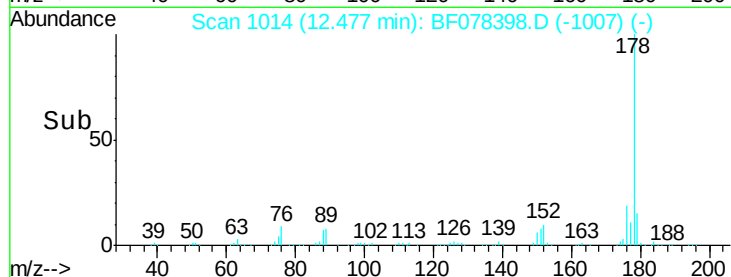
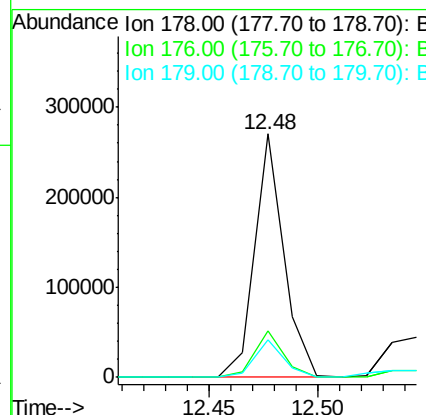
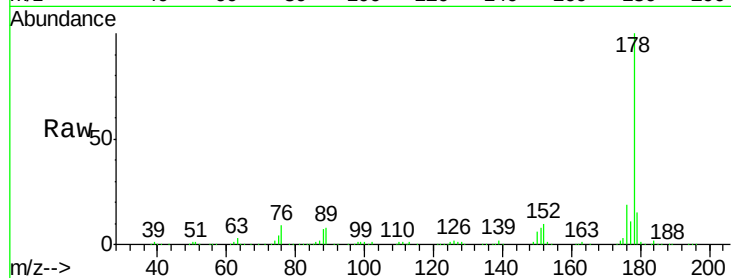
#70
Phenanthrene
Concen: 23.43 ng
RT: 12.48 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BF078398.D
Acq: 10 Apr 2015 12:06

Instrument :
BNA_F
ClientSampleId :
SB-2SRE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.4	12.2	18.2

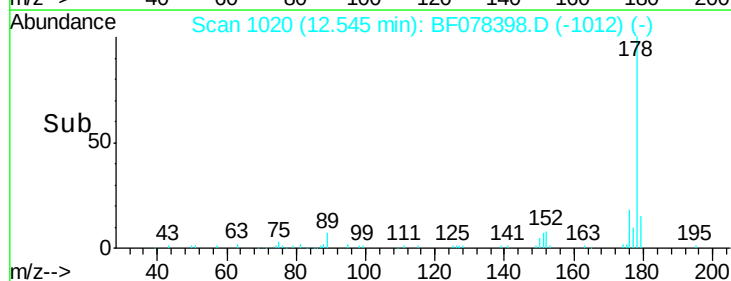
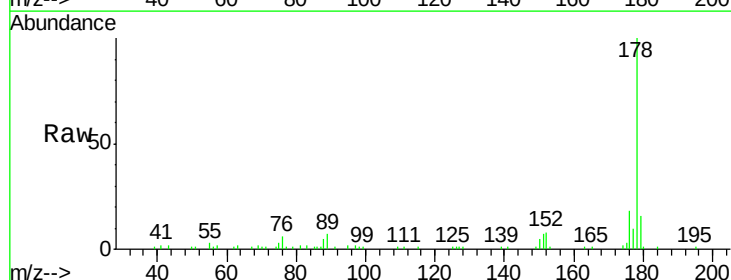
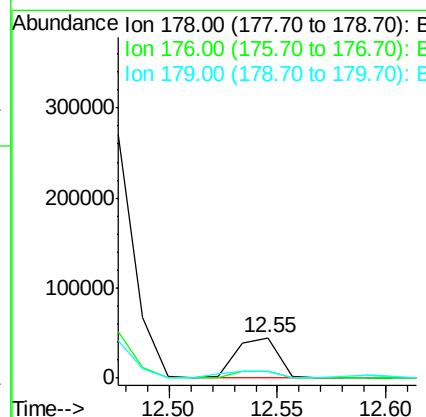
Manual Integrations
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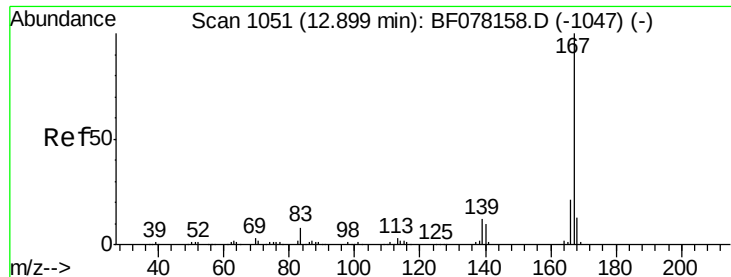
apatel
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#71
Anthracene
Concen: 5.58 ng
RT: 12.55 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF078398.D
Acq: 10 Apr 2015 12:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.9	12.4	18.6





#72

Carbazole

Concen: 2.71 ng

RT: 12.75 min Scan# 1038

Delta R.T. -0.02 min

Lab File: BF078398.D

Acq: 10 Apr 2015 12:06

Instrument :

BNA_F

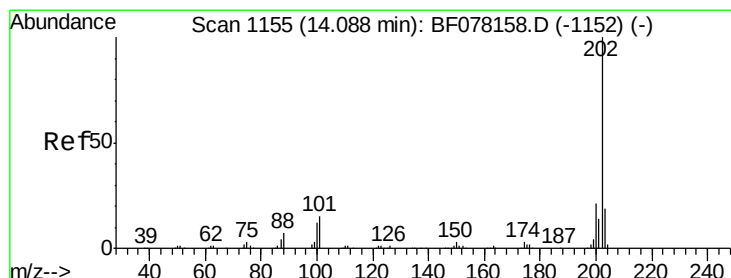
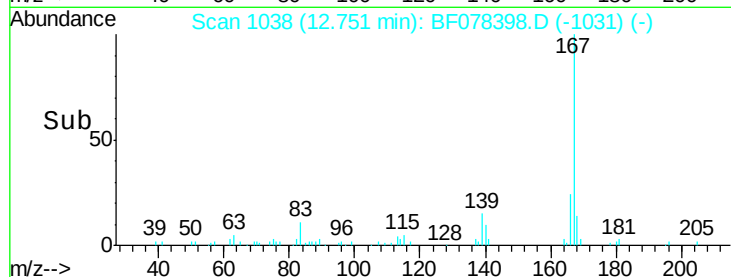
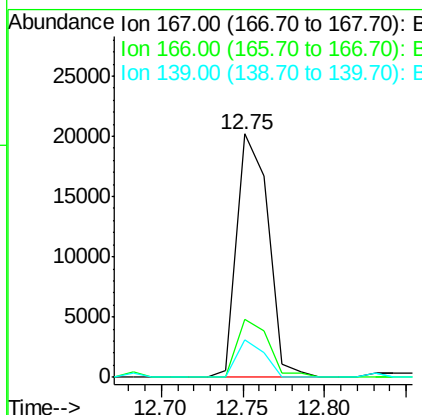
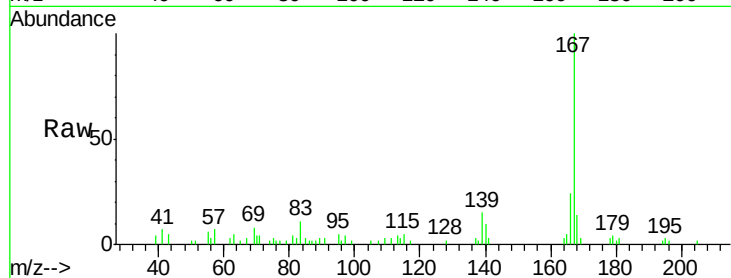
ClientSampled :

SB-2SRE

Tot Ion:	167	Resp:	26829
Ion Ratio	Lower	Upper	
167	100		
166	23.8	16.8	25.2
139	15.2	10.0	15.0#

Manual Integrations
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#74

Fluoranthene

Concen: 20.35 ng

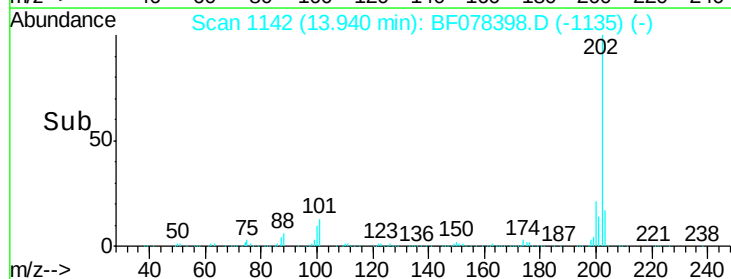
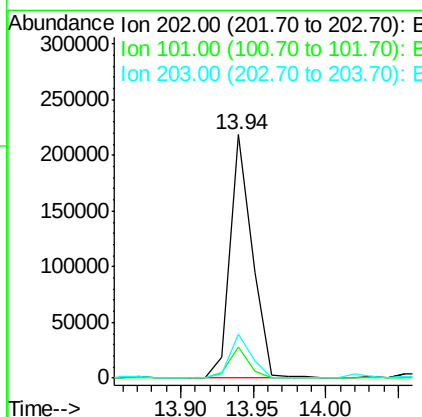
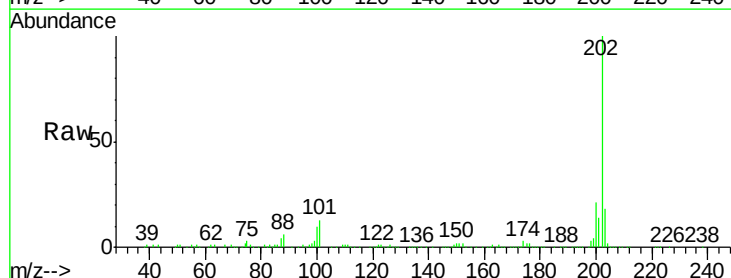
RT: 13.94 min Scan# 1142

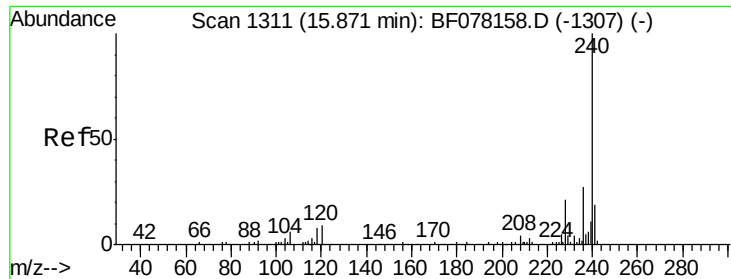
Delta R.T. -0.02 min

Lab File: BF078398.D

Acq: 10 Apr 2015 12:06

Tgt Ion:	202	Resp:	229902
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	35.2
203	17.9	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.71 min Scan# 1297

Delta R.T. -0.03 min

Lab File: BF078398.D

Acq: 10 Apr 2015 12:06

Instrument :

BNA_F

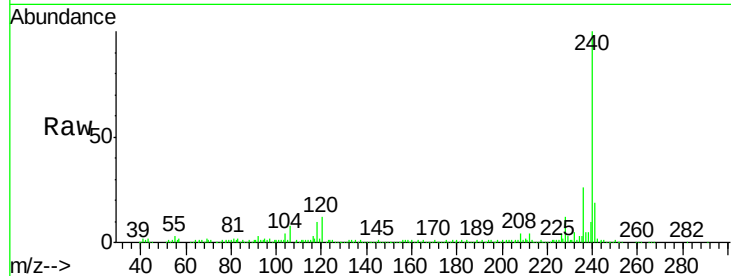
ClientSampled :

SB-2SRE

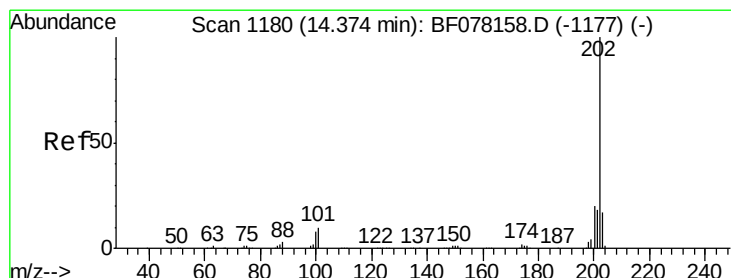
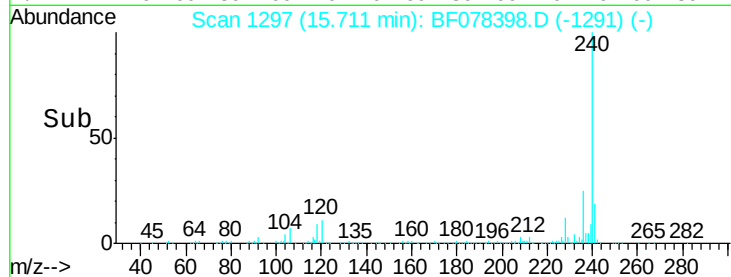
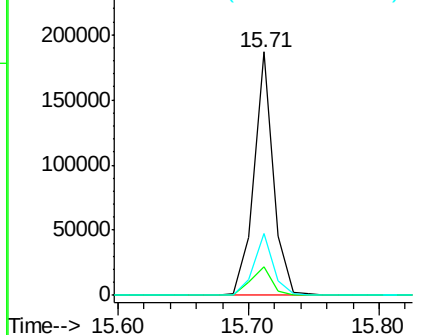
Tot Ion:	240	Resp:	191589
Ion Ratio		Lower	Upper
240	100		
120	11.7	7.1	10.7#
236	25.6	21.4	32.2

Manual Integrations
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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



#77

Pyrene

Concen: 16.53 ng

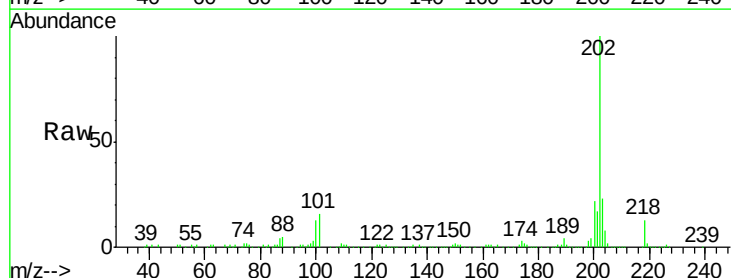
RT: 14.21 min Scan# 1166

Delta R.T. -0.03 min

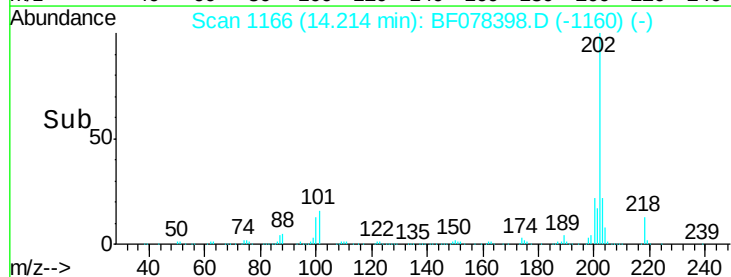
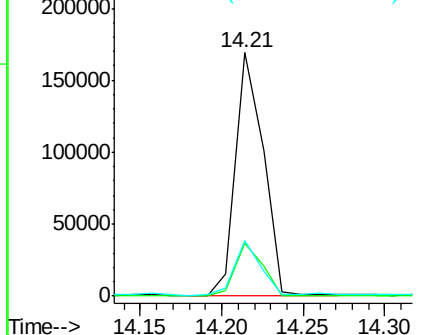
Lab File: BF078398.D

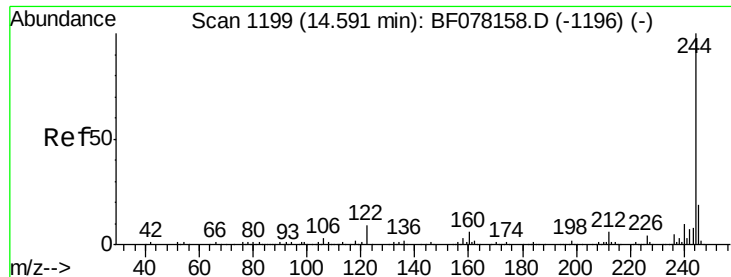
Acq: 10 Apr 2015 12:06

Tgt Ion:	202	Resp:	198789
Ion Ratio		Lower	Upper
202	100		
200	21.5	16.3	24.5
203	22.5	13.8	20.6#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





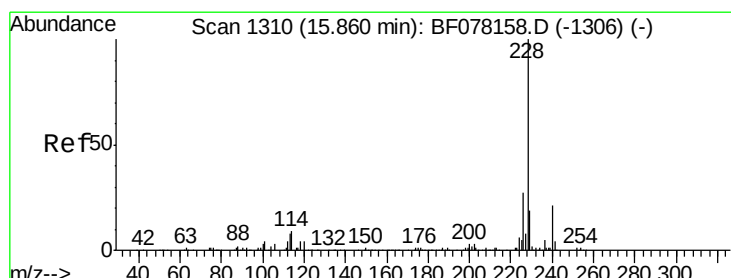
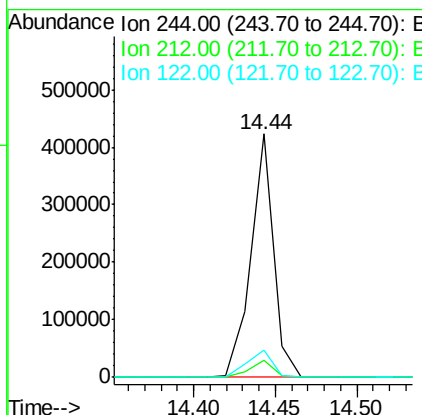
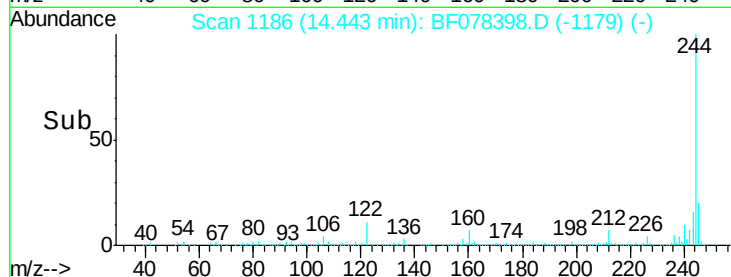
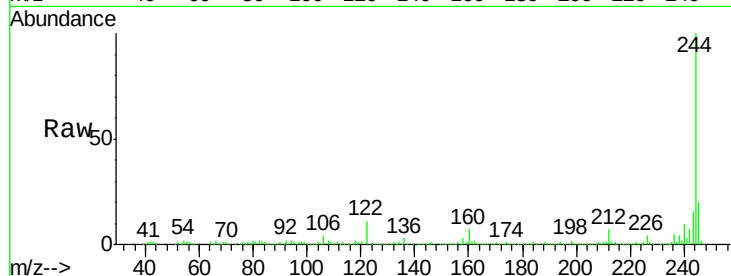
#78
 Terphenyl-d14
 Concen: 48.09 ng
 RT: 14.44 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF078398.D
 Acq: 10 Apr 2015 12:06

Instrument :
 BNA_F
 ClientSampled :
 SB-2SRE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.0	7.4
122	11.3	7.1	10.7

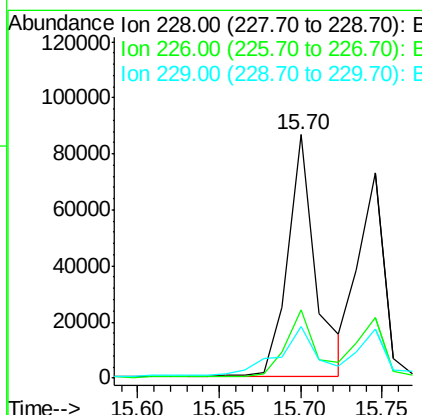
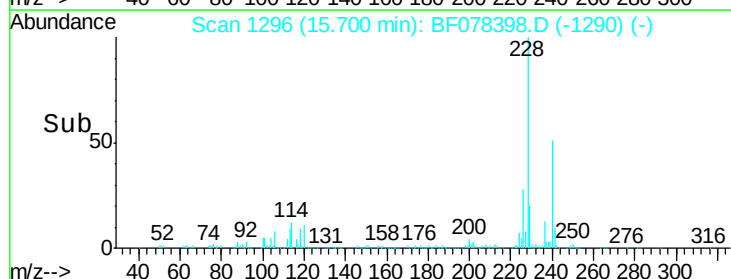
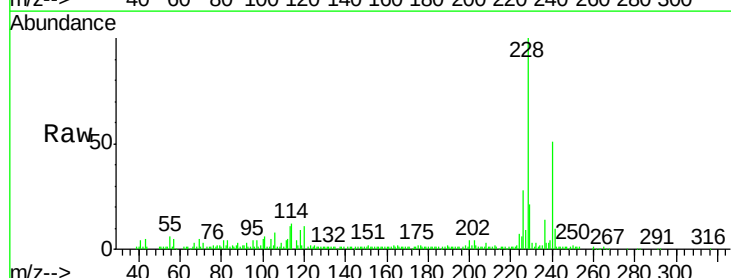
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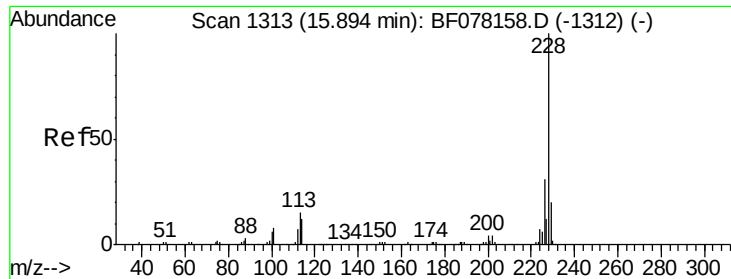
apatel
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#80
 Benzo(a)anthracene
 Concen: 9.13 ng
 RT: 15.70 min Scan# 1296
 Delta R.T. -0.03 min
 Lab File: BF078398.D
 Acq: 10 Apr 2015 12:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.3	31.9
229	21.3	15.4	23.2





#82

Chrysene

Concen: 7.47 ng m

RT: 15.75 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF078398.D

Acq: 10 Apr 2015 12:06

Instrument :

BNA_F

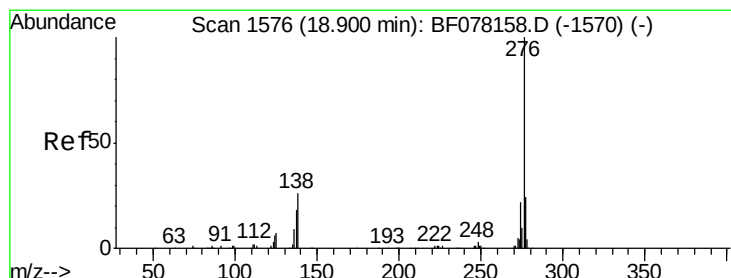
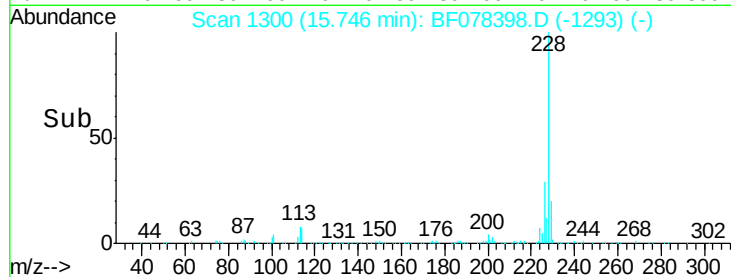
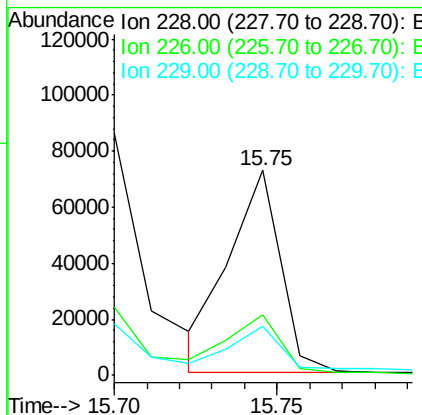
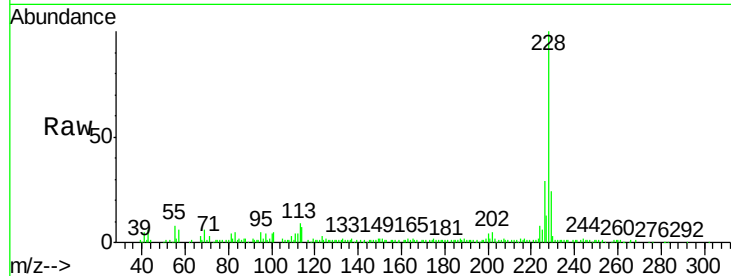
ClientSampleId :

SB-2SRE

Tot Ion:	228	Resp:	79971
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.2	36.4
229	24.0	15.8	23.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.17 ng m

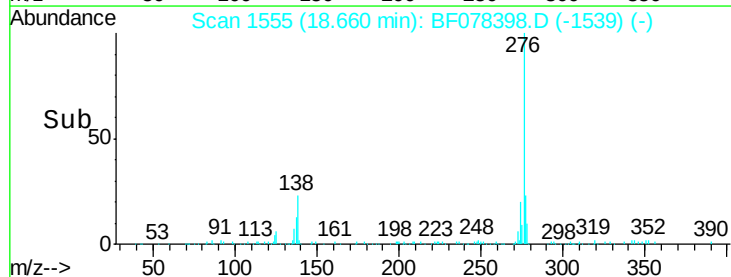
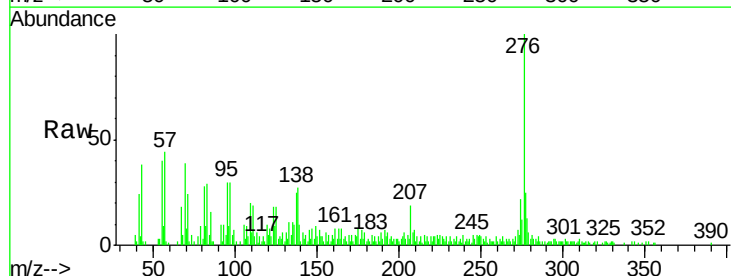
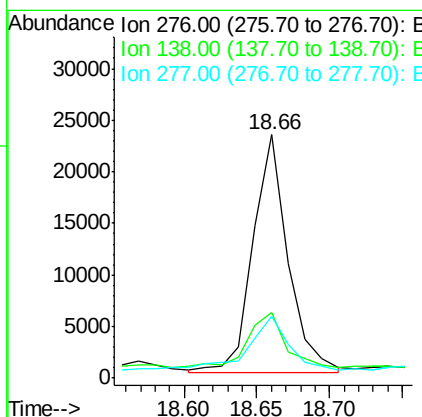
RT: 18.66 min Scan# 1555

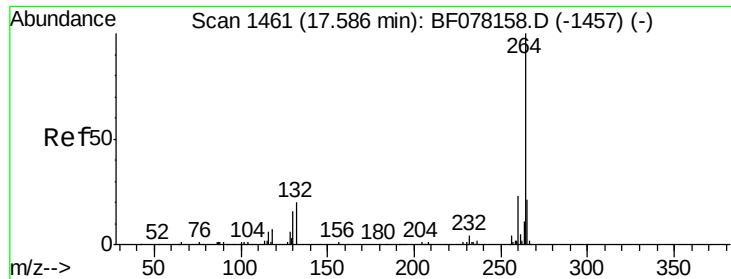
Delta R.T. -0.11 min

Lab File: BF078398.D

Acq: 10 Apr 2015 12:06

Tgt Ion:	276	Resp:	38544
Ion Ratio	Lower	Upper	
276	100		
138	0.0	16.9	25.3
277	2.4	15.8	23.6





#86

Pervlene-d12

Concen: 20.00 ng

RT: 17.41 min Scan# 1446

Delta R.T. -0.05 min

Lab File: BF078398.D

Acq: 10 Apr 2015 12:06

Instrument :

BNA_F

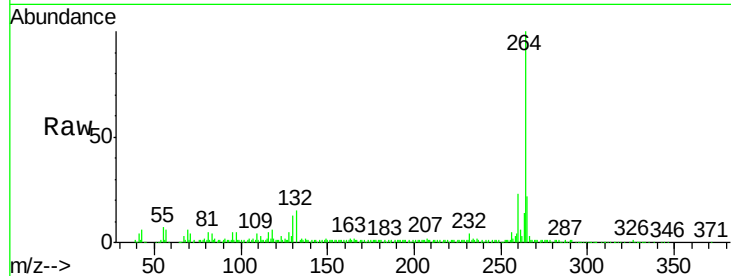
ClientSampleId :

SB-2SRE

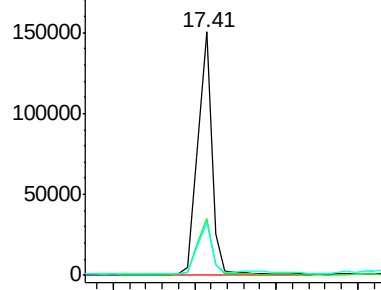
Tot Ion:	264	Resp:	177884
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.6	27.8
265	22.0	17.0	25.6

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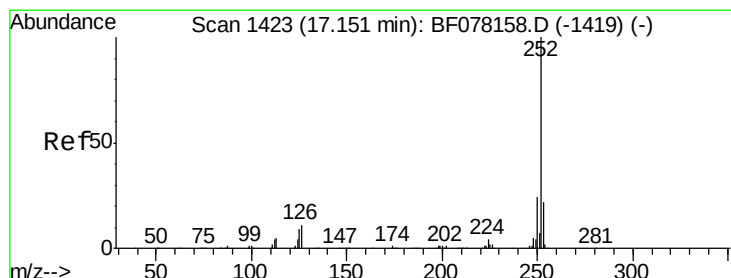
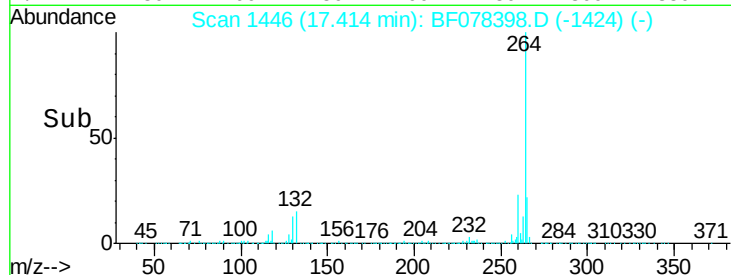
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->



#87

Benzo(b)fluoranthene

Concen: 9.66 ng m

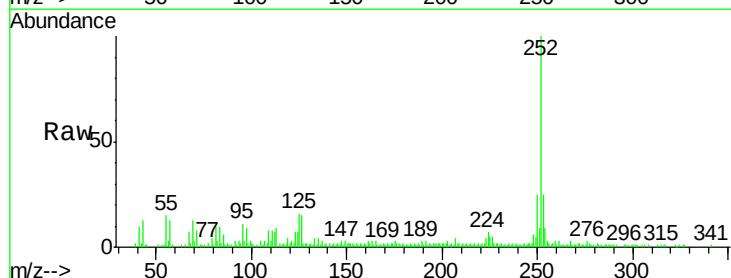
RT: 16.98 min Scan# 1408

Delta R.T. -0.05 min

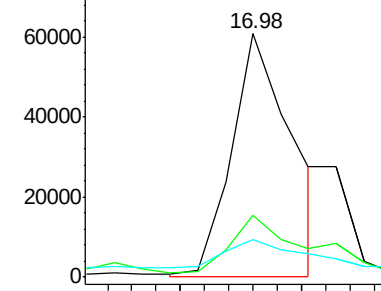
Lab File: BF078398.D

Acq: 10 Apr 2015 12:06

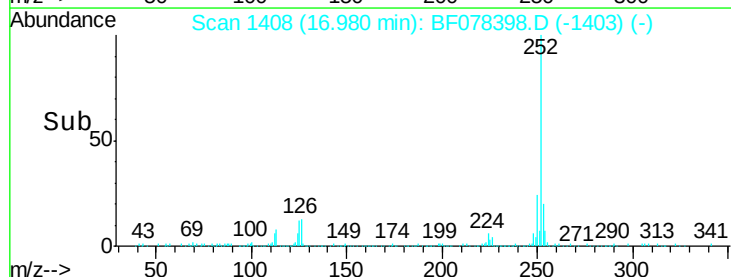
Tgt Ion:	252	Resp:	106219
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.2	25.8
125	15.6	7.0	10.4#

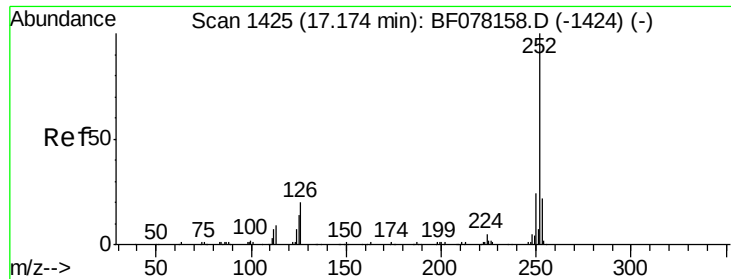


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





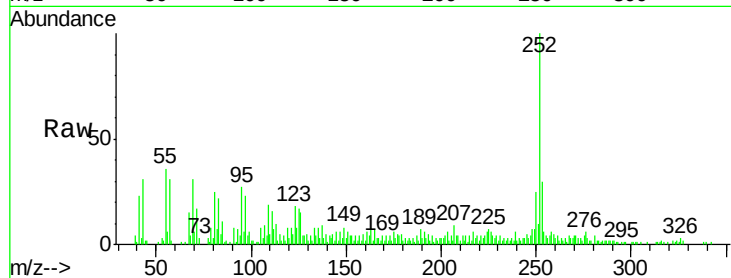
#88
Benzo(k)fluoranthene
Concen: 2.37 ng m
RT: 17.01 min Scan# 1411
Delta R.T. -0.03 min
Lab File: BF078398.D
Acq: 10 Apr 2015 12:06

Instrument :
BNA_F
ClientSampleId :
SB-2SRE

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.1	17.5	26.3#
125	16.9	11.6	17.4

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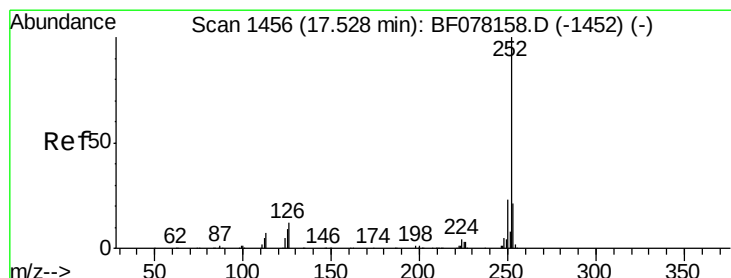
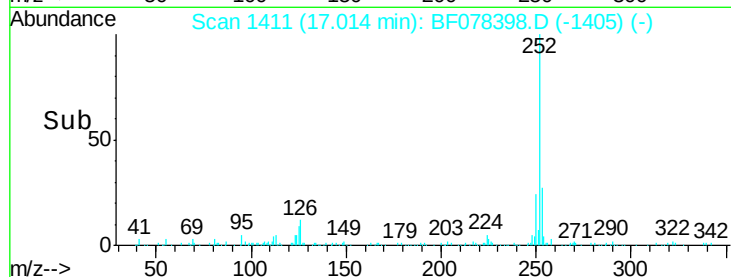
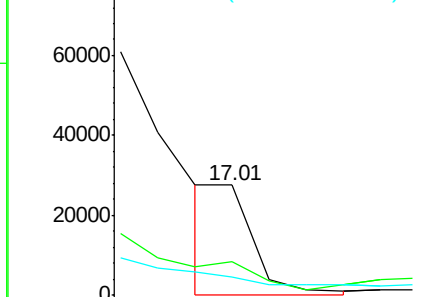


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 7.30 ng
RT: 17.35 min Scan# 1440
Delta R.T. -0.06 min
Lab File: BF078398.D
Acq: 10 Apr 2015 12:06

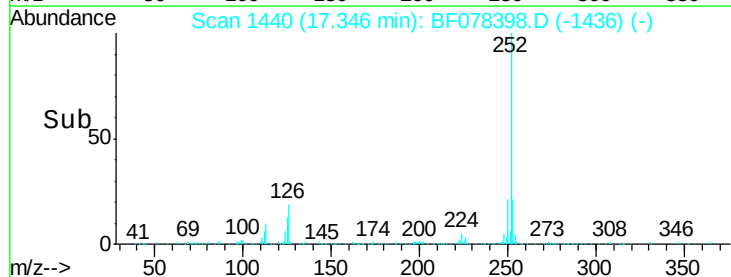
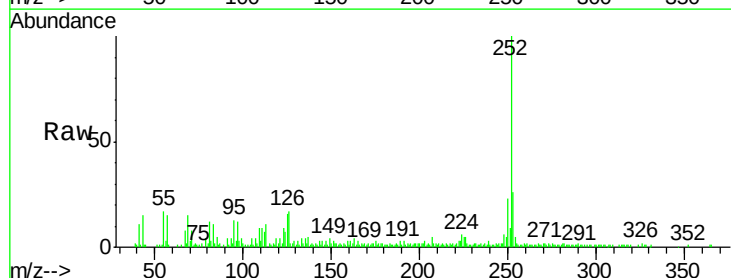
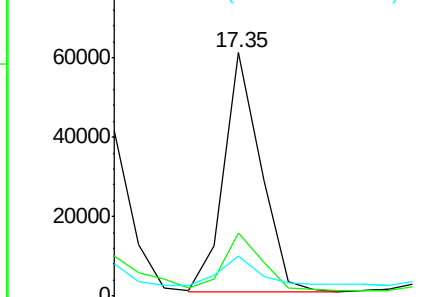
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	16.8	25.2#
125	16.4	7.4	11.0#

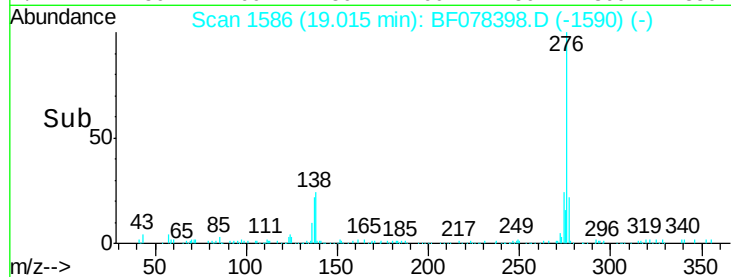
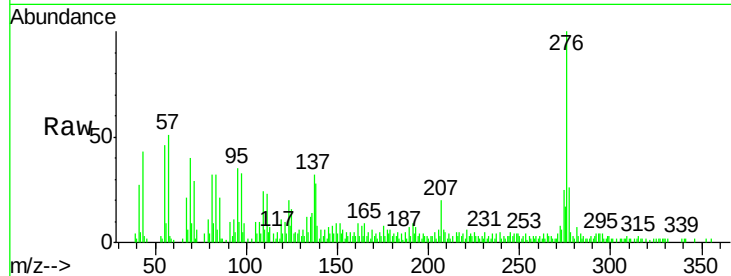
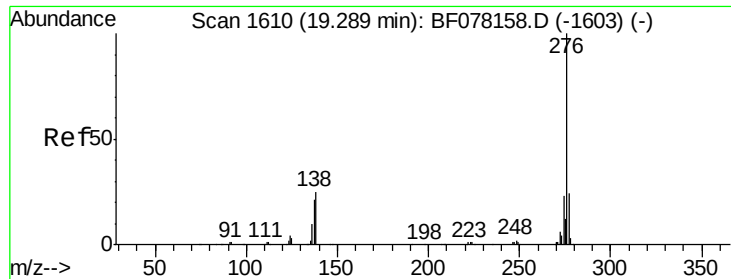
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 3.87 ng/ml

RT: 19.01 min Scan# 1586

Delta R.T. -0.15 min

Lab File: BF078398.D

Acq: 10 Apr 2015 12:06

Instrument :

BNA_F

ClientSampleId :

SB-2SRE

Tot Ion:	276	Resp:	37276
Ion Ratio	Lower	Upper	
276	100		
277	26.4	19.0	28.4
138	27.7	19.9	29.9

Manual Integrations
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