

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
 Data File : BF078679.D
 Acq On : 21 Apr 2015 11:05
 Operator : TP/IZ
 Sample : G1902-10
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB20

Manual Integrations
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Quant Time: Apr 21 13:06:13 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 16:32:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	41661	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	167956	20.00	ng	0.00
38) Acenaphthene-d10	11.20	164	82717	20.00	ng	-0.01
63) Phenanthrene-d10	13.94	188	160796	20.00	ng	0.00
75) Chrysene-d12	17.81	240	160794	20.00	ng	0.00
86) Perylene-d12	19.55	264	163510	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.87	112	173256	68.57	ng	0.00
7) Phenol-d6	5.36	99	229792	72.57	ng	0.00
23) Nitrobenzene-d5	6.80	82	156542	56.49	ng	0.00
41) 2,4,6-Tribromophenol	12.67	330	54479	79.41	ng	-0.01
44) 2-Fluorobiphenyl	10.03	172	301340	52.07	ng	0.00
78) Terphenyl-d14	16.47	244	304339	42.77	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.06	128	33951	3.88	ng	99
37) 2-Methylnaphthalene	9.31	142	18457	3.11	ng	97
48) Acenaphthylene	10.94	152	93217	10.84	ng	99
49) Dimethylphthalate	10.83	163	28743	4.63	ng	# 97
54) Dibenzofuran	11.59	168	20080	2.72	ng	99
70) Phenanthrene	13.98	178	214996	23.11	ng	99
71) Anthracene	14.07	178	113085	12.34	ng	99
72) Carbazole	14.40	167	28742	3.35	ng	96
73) Di-n-butylphthalate	15.09	149	34881	3.58	ng	99
74) Fluoranthene	15.87	202	600650	61.23	ng	92
77) Pyrene	16.18	202	594209	58.87	ng	# 94
80) Benzo(a)anthracene	17.79	228	411450	43.01	ng	96
82) Chrysene	17.84	228	316645	35.23	ng	97
85) Indeno(1,2,3-cd)pyrene	20.75	276	235233	23.06	ng	# 90
87) Benzo(b)fluoranthene	19.12	252	518976m	51.36	ng	
88) Benzo(k)fluoranthene	19.14	252	170146m	18.95	ng	
89) Benzo(a)pyrene	19.49	252	353163	40.04	ng	# 93
90) Dibenzo(a,h)anthracene	20.78	278	53568m	6.07	ng	
91) Benzo(a,h,i)perylene	21.09	276	223747	25.27	ng	# 93

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

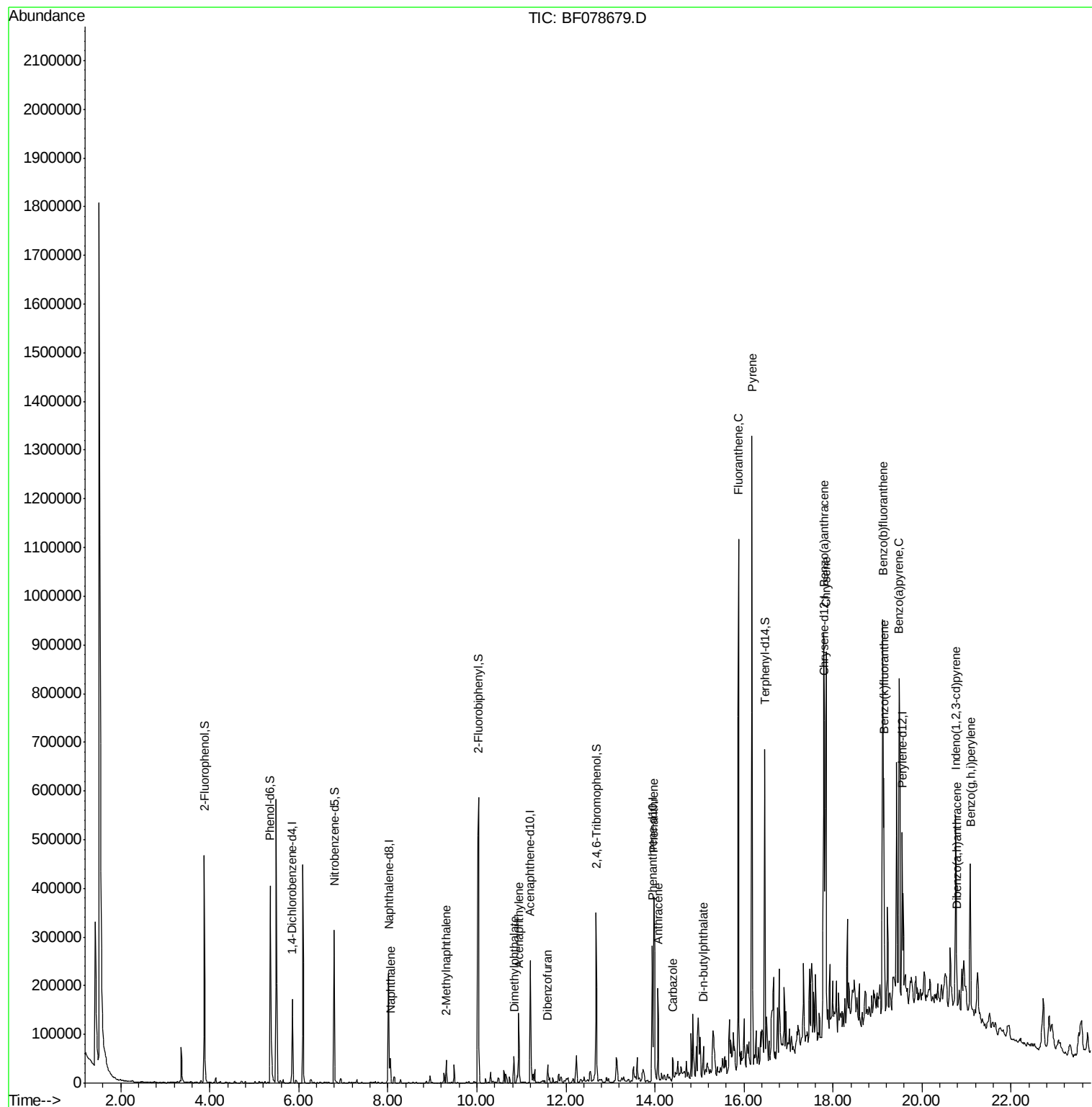
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\
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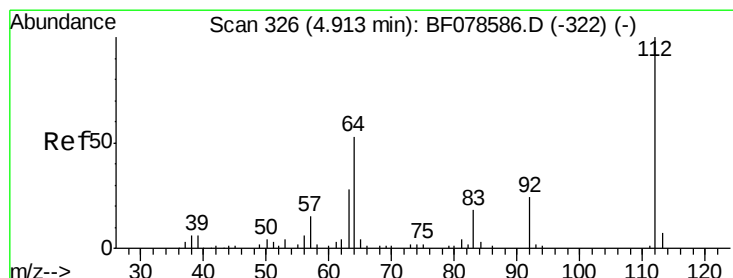
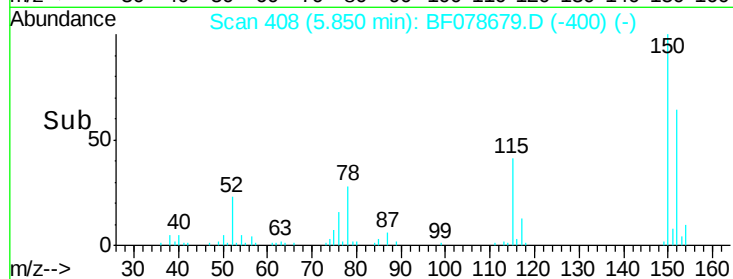
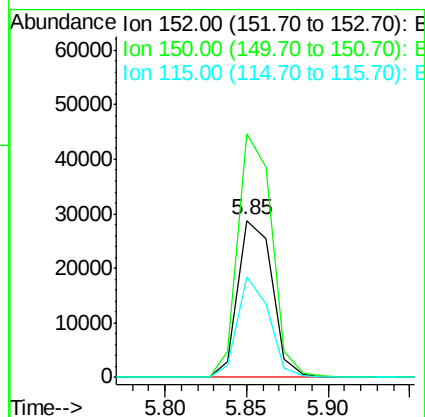
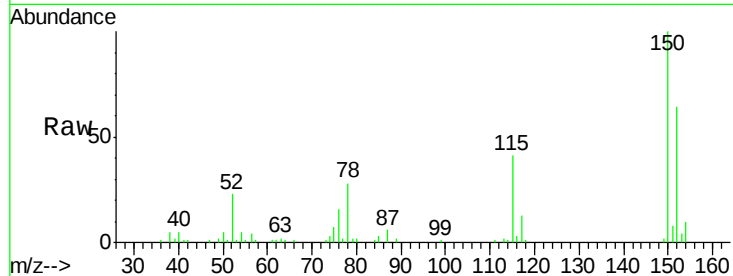
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 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.85 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: BF078679.D
 Acq: 21 Apr 2015 11:05

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB20

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.9	188.9
115	64.2	52.7	79.1

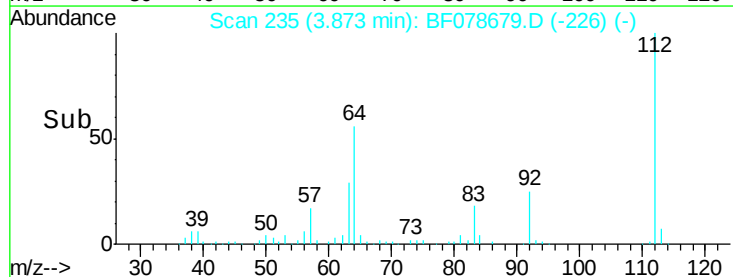
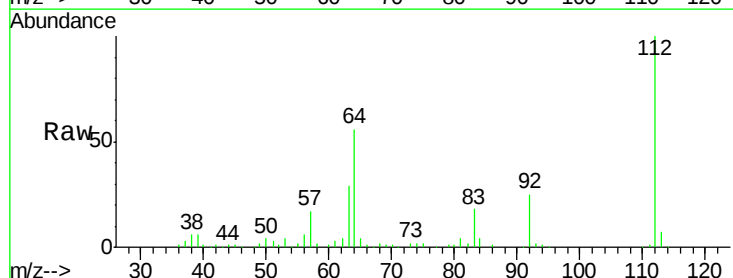
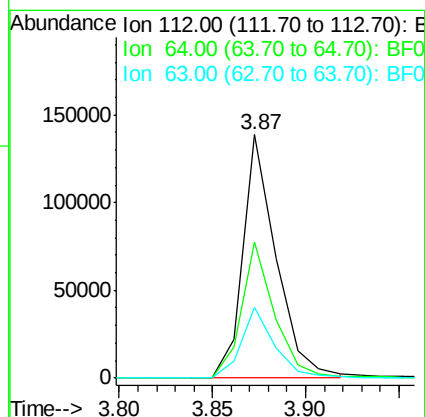
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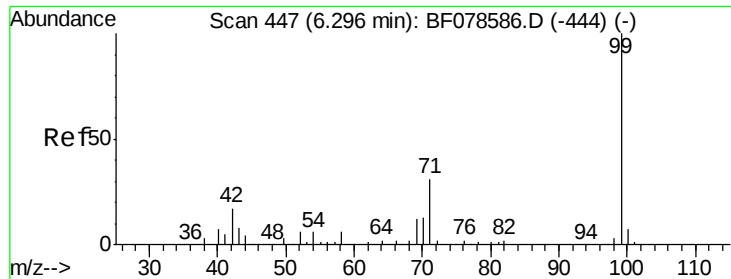
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#5
 2-Fluorophenol
 Concen: 68.57 ng
 RT: 3.87 min Scan# 235
 Delta R.T. -0.00 min
 Lab File: BF078679.D
 Acq: 21 Apr 2015 11:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	39.9	59.9
63	29.2	20.2	30.4





#7

Phenol-d6

Concen: 72.57 ng

RT: 5.36 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF078679.D

Acq: 21 Apr 2015 11:05

Instrument :

BNA_F

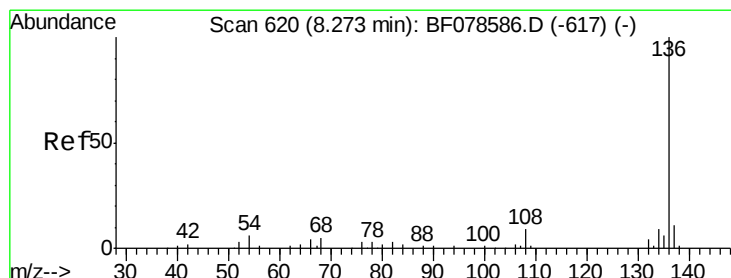
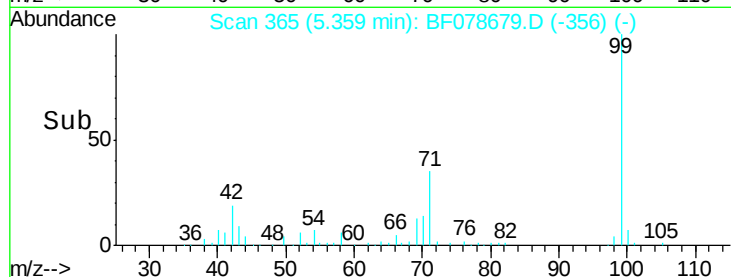
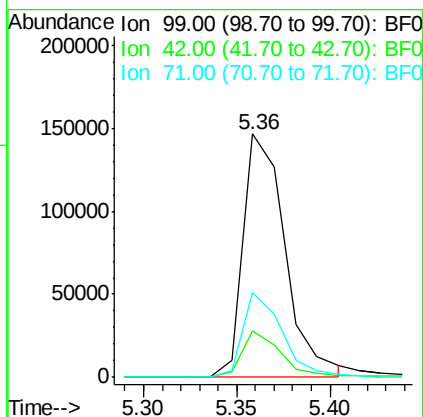
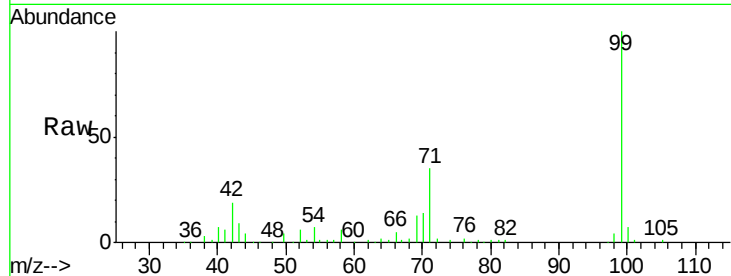
ClientSampleId :

LS-SB20

Tot Ion:	99	Resp:	229792
Ion Ratio	Lower	Upper	
99	100		
42	19.0	14.8	22.2
71	34.6	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

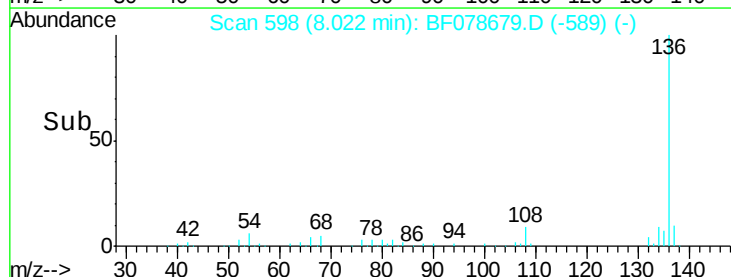
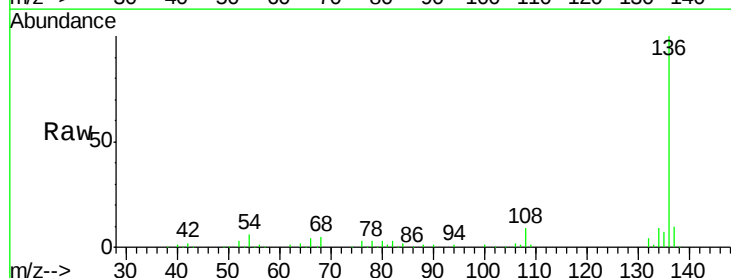
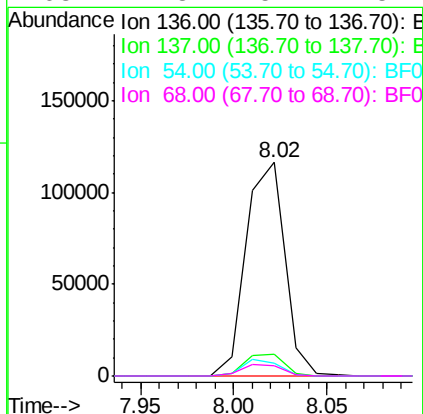
RT: 8.02 min Scan# 598

Delta R.T. -0.00 min

Lab File: BF078679.D

Acq: 21 Apr 2015 11:05

Tgt Ion:	136	Resp:	167956
Ion Ratio	Lower	Upper	
136	100		
137	10.3	9.0	13.4
54	6.1	7.0	10.6#
68	4.8	5.4	8.2#





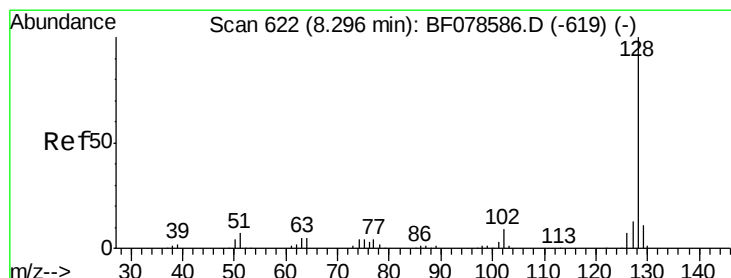
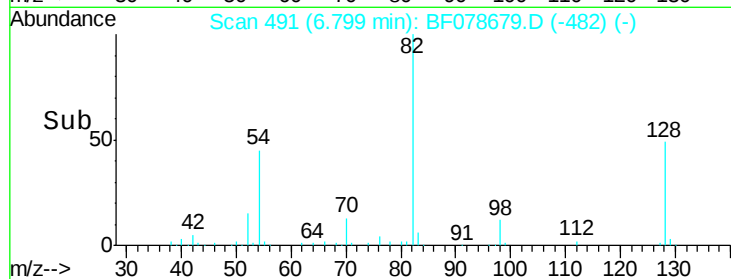
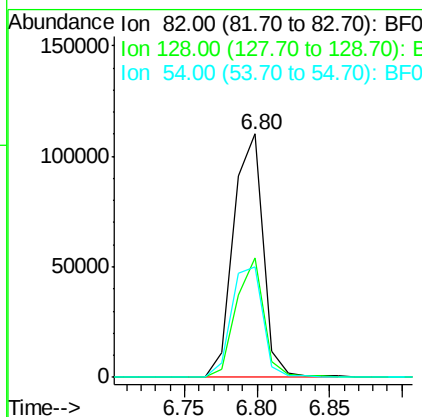
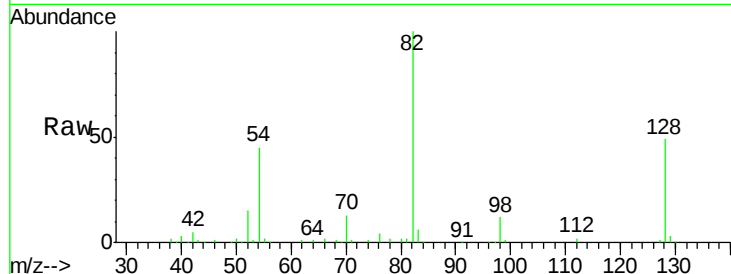
#23
Nitrobenzene-d5
Concen: 56.49 ng
RT: 6.80 min Scan# 491
Delta R.T. -0.00 min
Lab File: BF078679.D
Acq: 21 Apr 2015 11:05

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.3	31.8	47.8
54	45.3	41.5	62.3

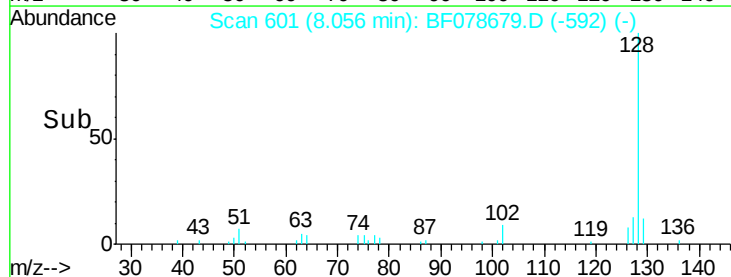
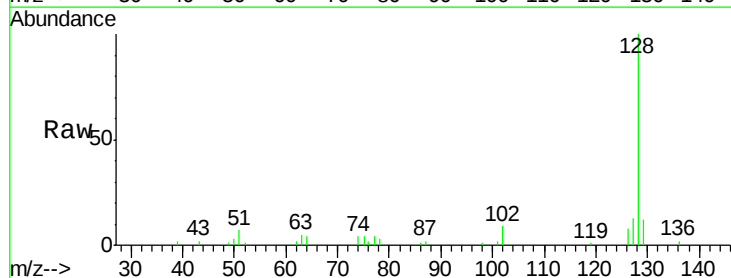
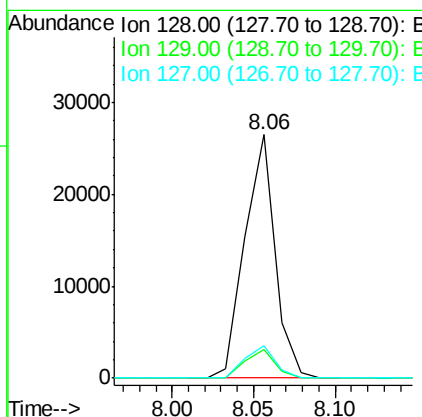
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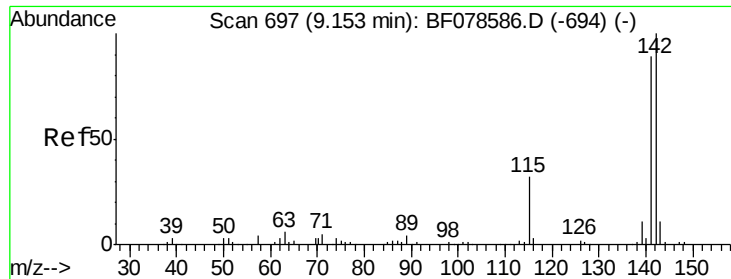
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#31
Naphthalene
Concen: 3.88 ng
RT: 8.06 min Scan# 601
Delta R.T. -0.00 min
Lab File: BF078679.D
Acq: 21 Apr 2015 11:05

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.6	12.8
127	13.2	10.7	16.1





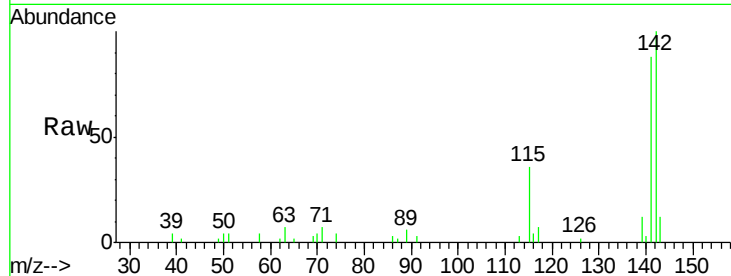
#37
2-Methylnaphthalene
Concen: 3.11 ng
RT: 9.31 min Scan# 711
Delta R.T. -0.01 min
Lab File: BF078679.D
Acq: 21 Apr 2015 11:05

Instrument :
BNA_F
ClientSampleId :
LS-SB20

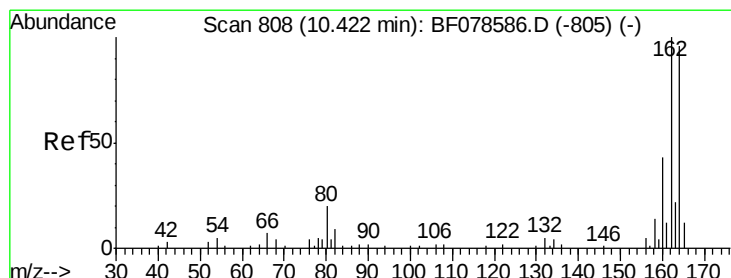
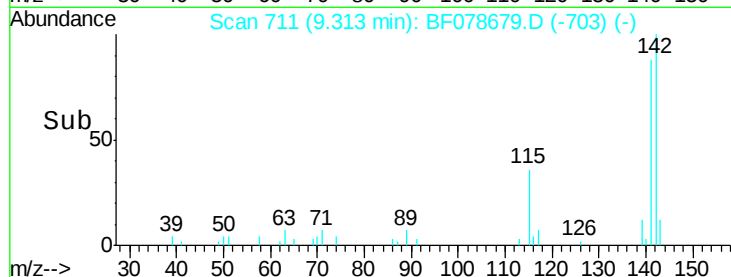
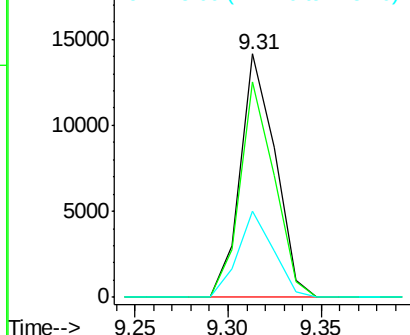
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.3	105.5
115	35.6	24.6	37.0

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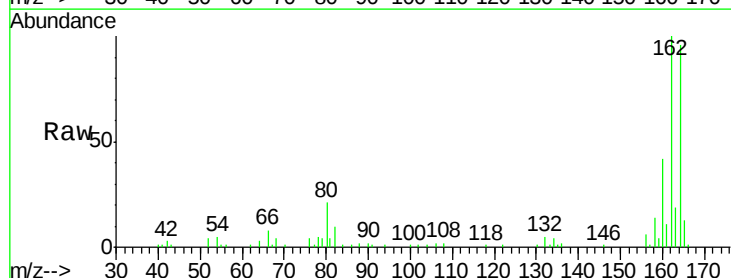


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

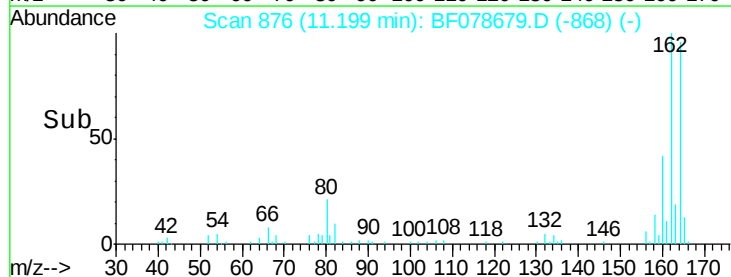
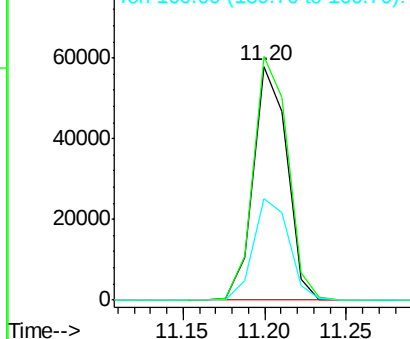


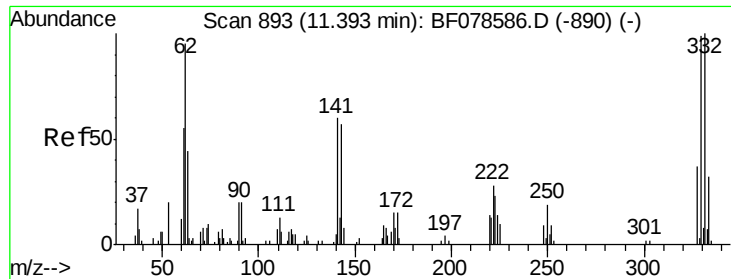
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 876
Delta R.T. -0.01 min
Lab File: BF078679.D
Acq: 21 Apr 2015 11:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.2	123.2
160	43.6	34.7	52.1



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





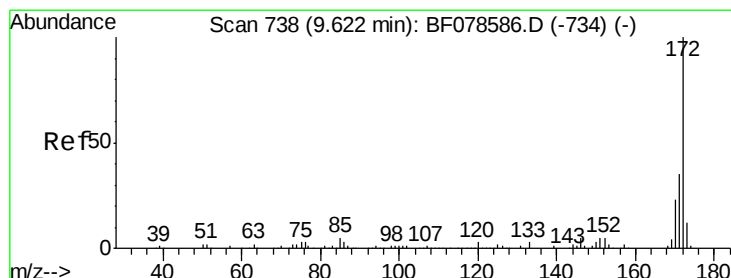
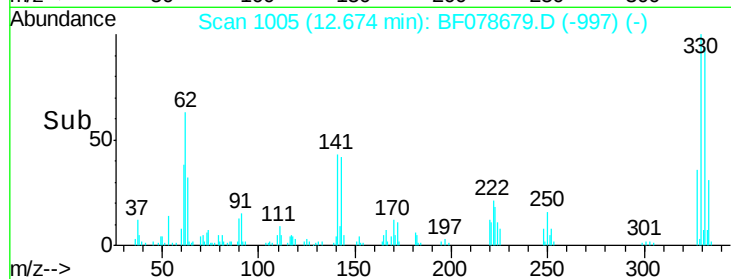
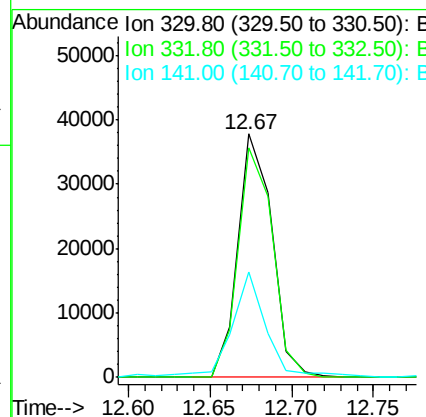
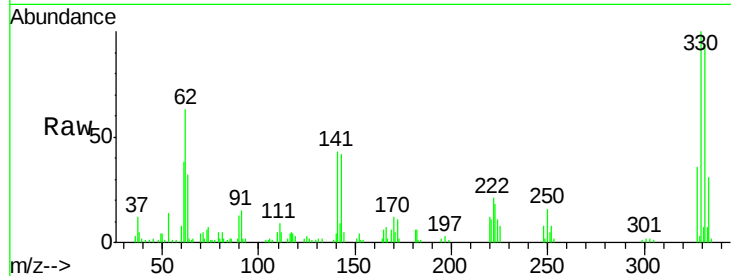
#41
 2,4,6-Tribromophenol
 Concen: 79.41 ng
 RT: 12.67 min Scan# 1005
 Delta R.T. -0.01 min
 Lab File: BF078679.D
 Acq: 21 Apr 2015 11:05

Instrument :
 BNA_F
 ClientSampled :
 LS-SB20

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.6	117.8
141	44.3	31.2	46.8

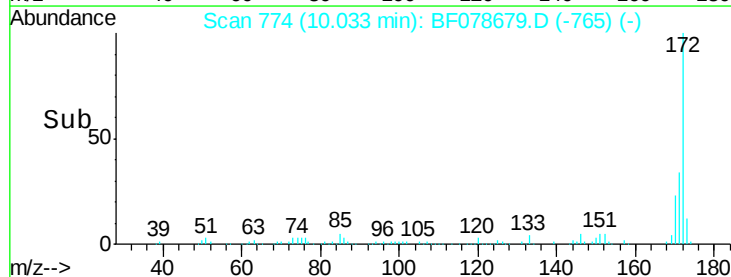
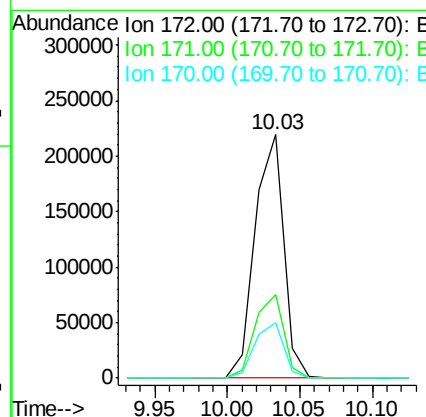
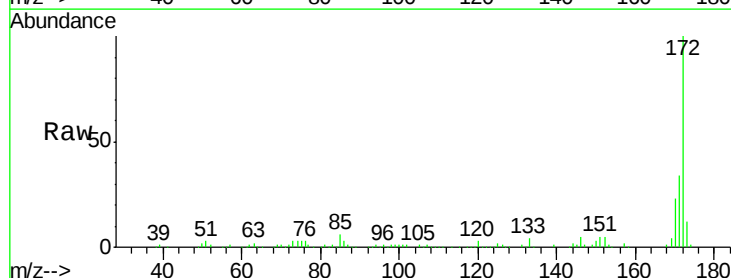
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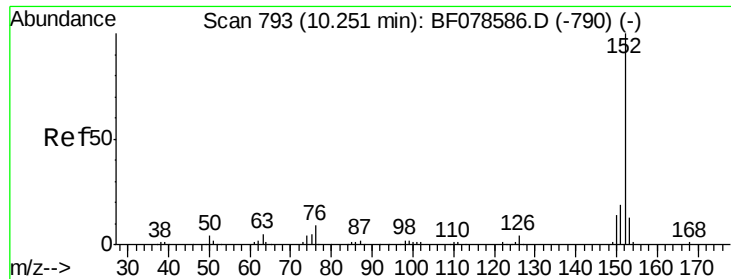
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#44
 2-Fluorobiphenyl
 Concen: 52.07 ng
 RT: 10.03 min Scan# 774
 Delta R.T. -0.00 min
 Lab File: BF078679.D
 Acq: 21 Apr 2015 11:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.6	42.8
170	22.9	18.5	27.7





#48

Acenaphthylene

Concen: 10.84 ng

RT: 10.94 min Scan# 853

Delta R.T. -0.01 min

Lab File: BF078679.D

Acq: 21 Apr 2015 11:05

Instrument :

BNA_F

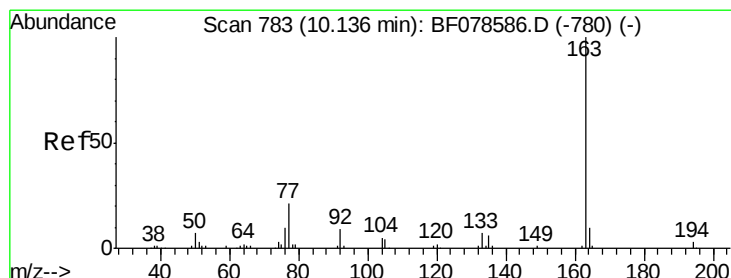
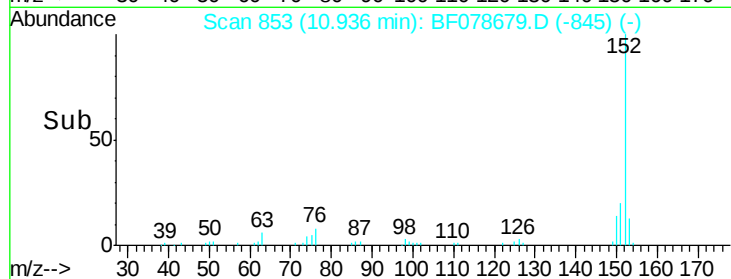
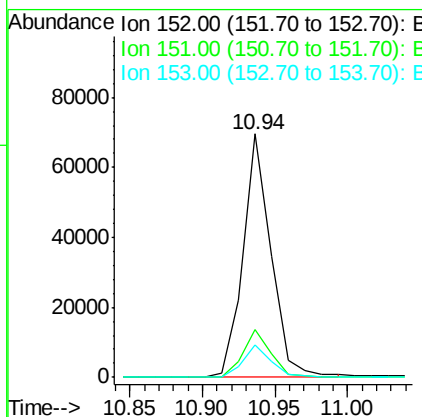
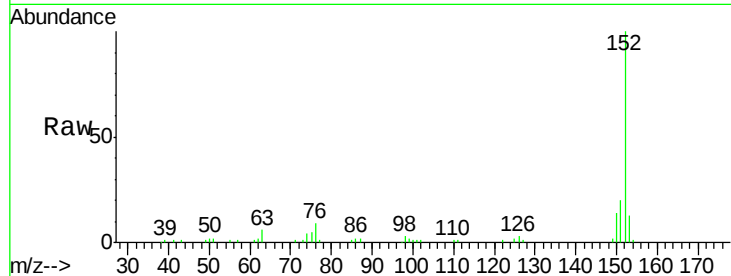
ClientSampleId :

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Tot Ion:	152	Resp:	93217
Ion Ratio	Lower	Upper	
152	100		
151	19.6	15.7	23.5
153	13.3	10.2	15.2

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#49

Dimethylphthalate

Concen: 4.63 ng

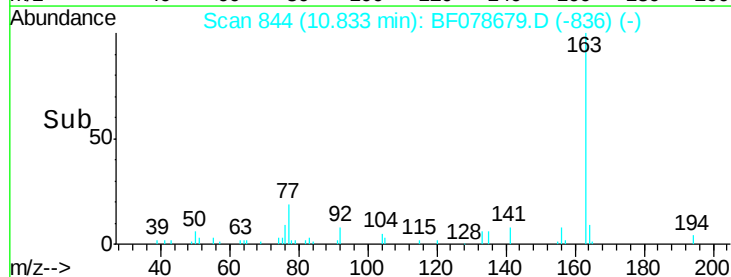
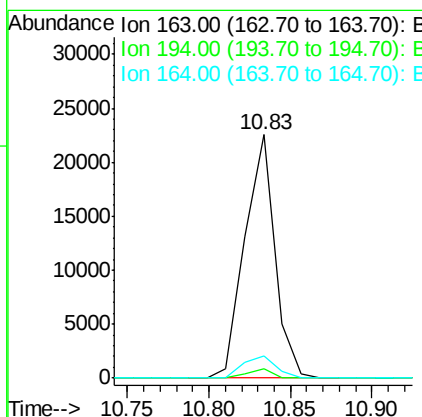
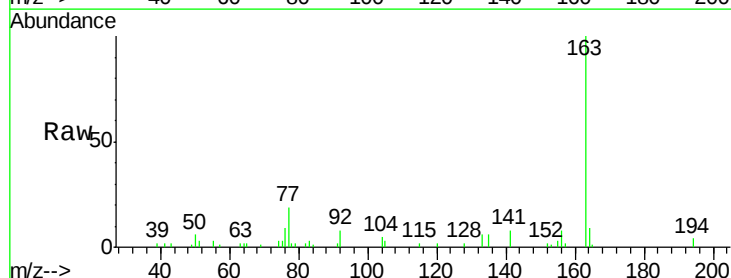
RT: 10.83 min Scan# 844

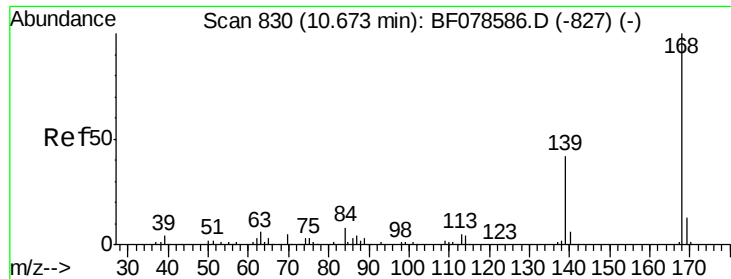
Delta R.T. -0.01 min

Lab File: BF078679.D

Acq: 21 Apr 2015 11:05

Tgt Ion:	163	Resp:	28743
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.3	3.5#
164	9.4	8.6	13.0





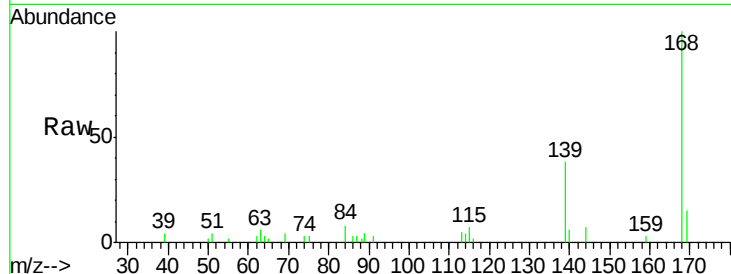
#54
Dibenzenofuran
Concen: 2.72 ng
RT: 11.59 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF078679.D
Acq: 21 Apr 2015 11:05

Instrument :
BNA_F
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LS-SB20

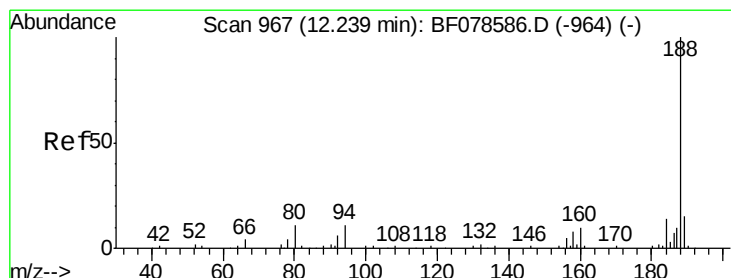
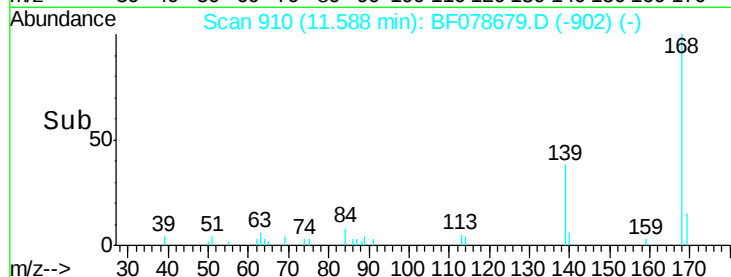
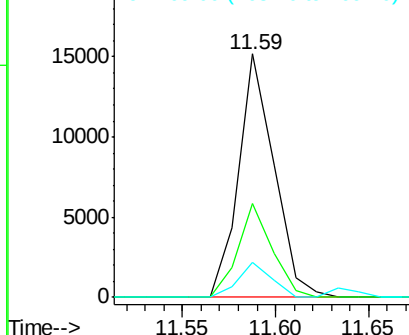
Tot Ion	Ratio	Lower	Upper
168	100		
139	38.3	31.0	46.4
169	14.6	10.7	16.1

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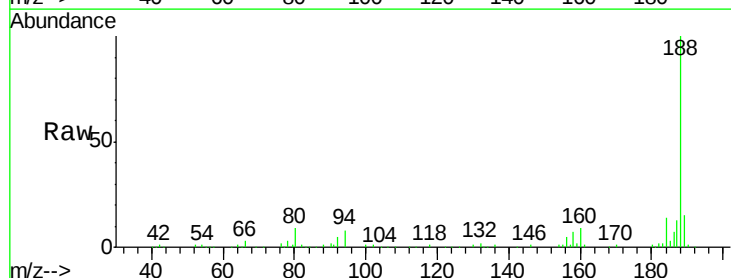


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

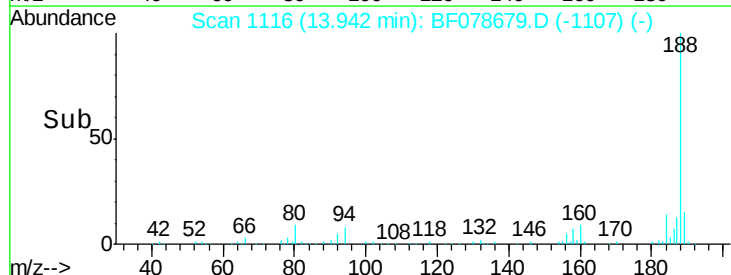
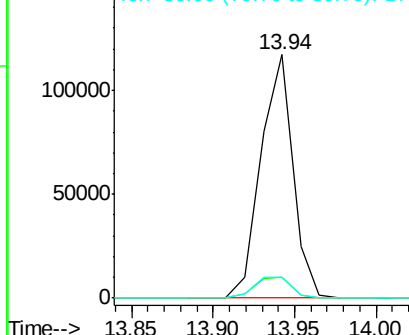


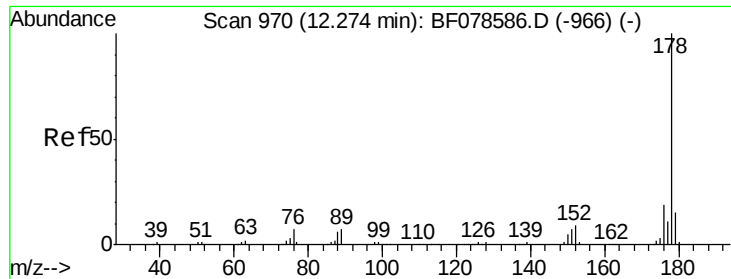
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.94 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BF078679.D
Acq: 21 Apr 2015 11:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	9.0	13.4#
80	8.8	9.5	14.3#



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





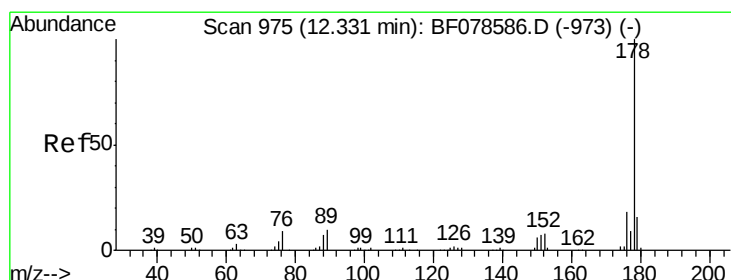
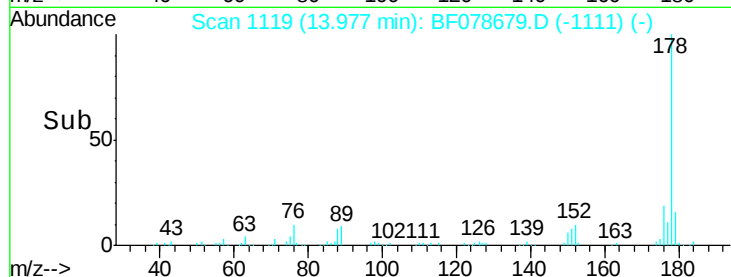
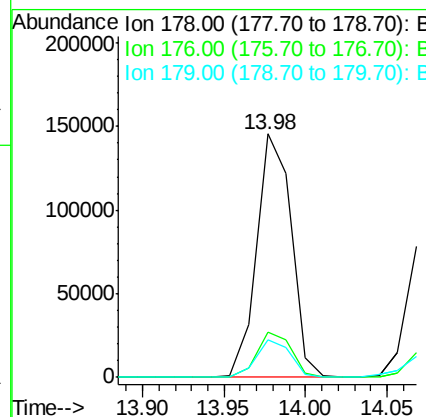
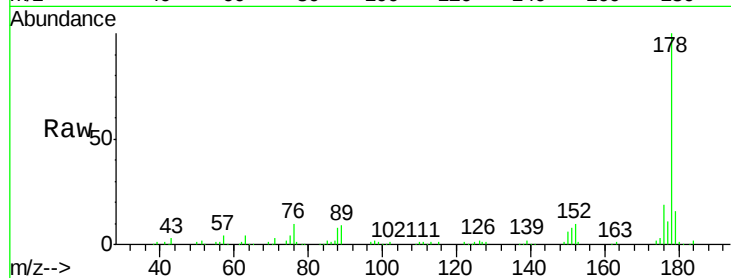
#70
Phenanthrene
Concen: 23.11 ng
RT: 13.98 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BF078679.D
Acq: 21 Apr 2015 11:05

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.5	12.2	18.2

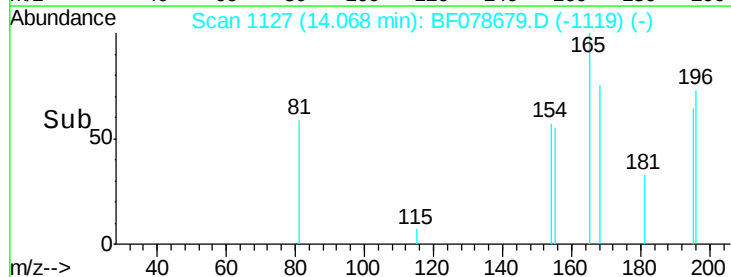
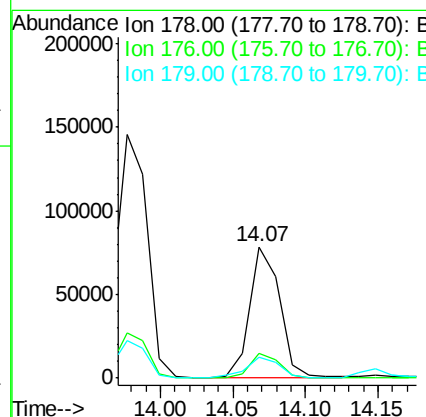
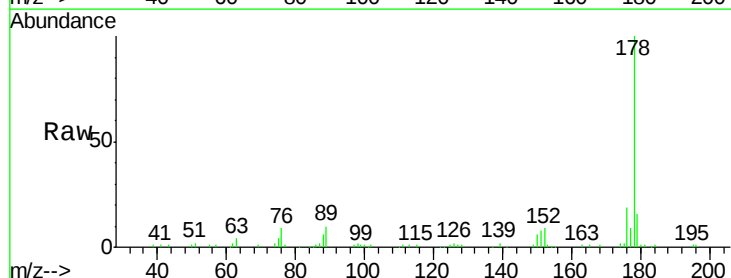
Manual Integrations
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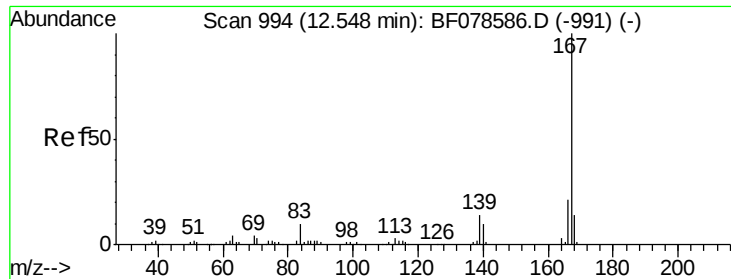
apatel
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#71
Anthracene
Concen: 12.34 ng
RT: 14.07 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF078679.D
Acq: 21 Apr 2015 11:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.8	22.2
179	16.2	12.4	18.6





#72

Carbazole

Concen: 3.35 ng

RT: 14.40 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF078679.D

Acq: 21 Apr 2015 11:05

Instrument :

BNA_F

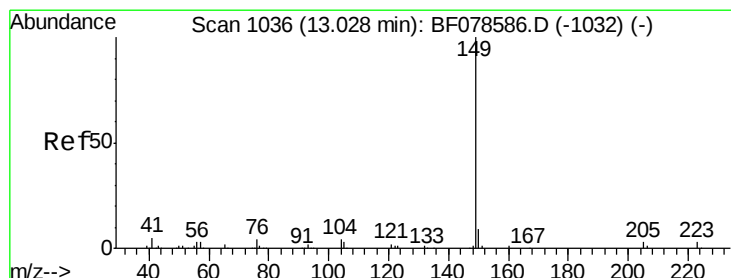
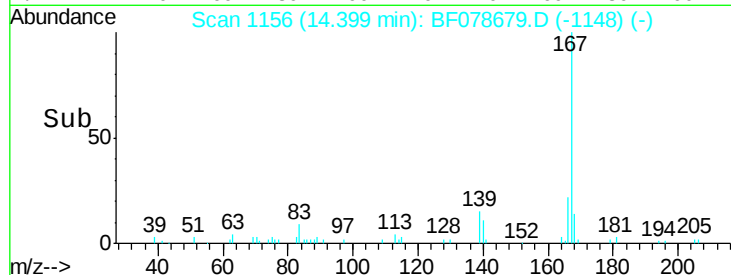
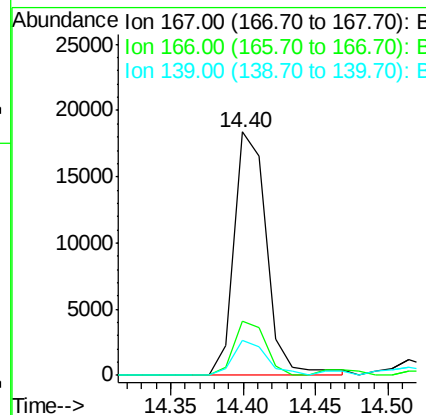
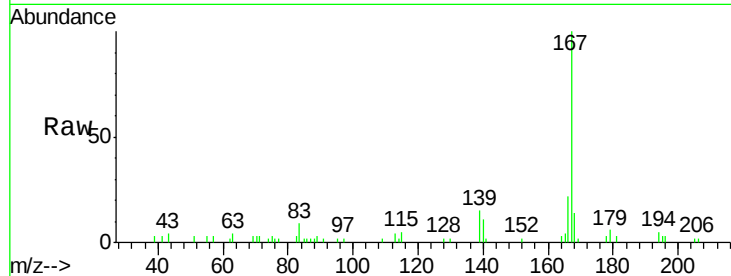
ClientSampled :

LS-SB20

Tot Ion:	167	Resp:	28742
Ion Ratio	Lower	Upper	
167	100		
166	22.1	16.8	25.2
139	14.6	10.0	15.0

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#73

Di-n-butylphthalate

Concen: 3.58 ng

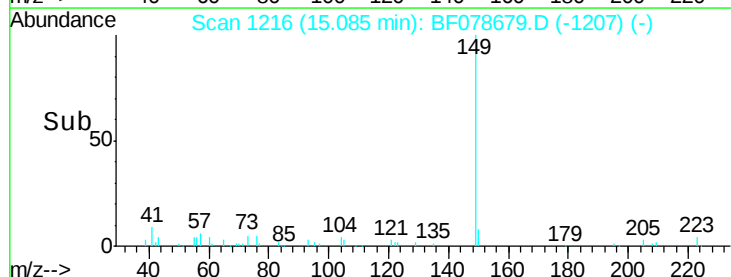
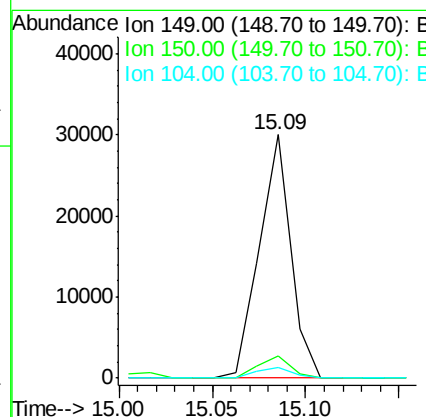
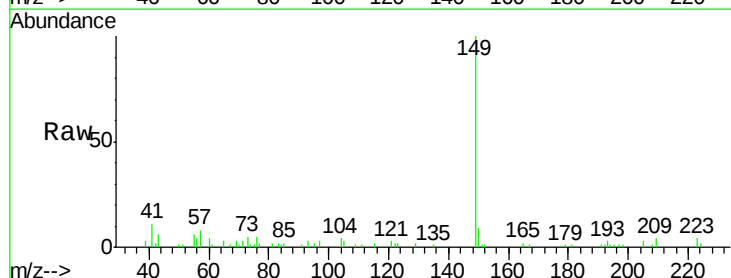
RT: 15.09 min Scan# 1216

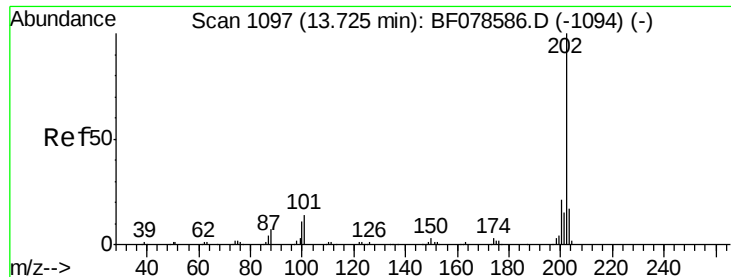
Delta R.T. -0.00 min

Lab File: BF078679.D

Acq: 21 Apr 2015 11:05

Tgt Ion:	149	Resp:	34881
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.1	10.7
104	4.5	3.8	5.6





#74

Fluoranthene

Concen: 61.23 ng

RT: 15.87 min Scan# 1285

Delta R.T. -0.00 min

Lab File: BF078679.D

Acq: 21 Apr 2015 11:05

Instrument :

BNA_F

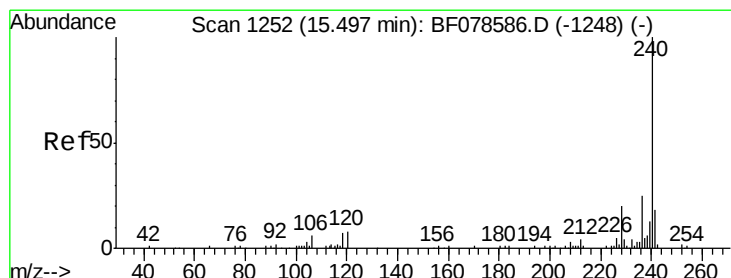
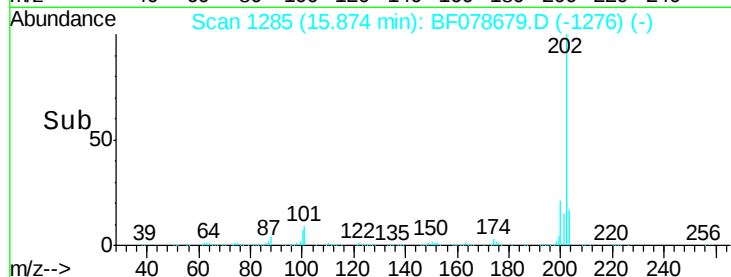
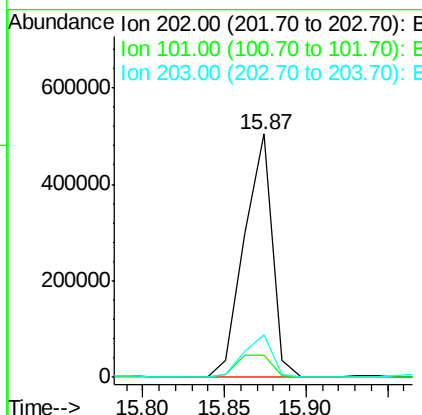
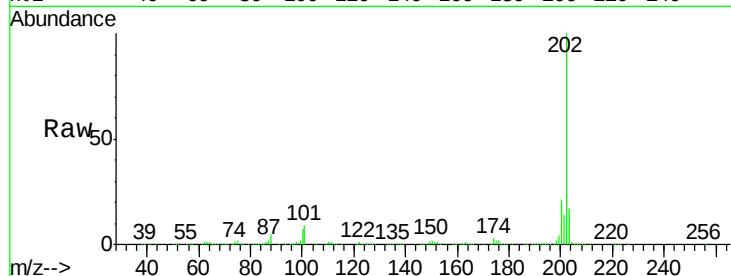
ClientSampleId :

LS-SB20

Tot Ion:	202	Resp:	600650
Ion Ratio		Lower	Upper
202	100		
101	9.3	0.0	35.2
203	17.3	0.0	38.5

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#75

Chrysene-d12

Concen: 20.00 ng

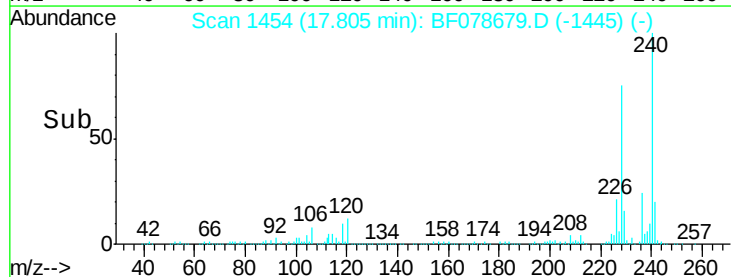
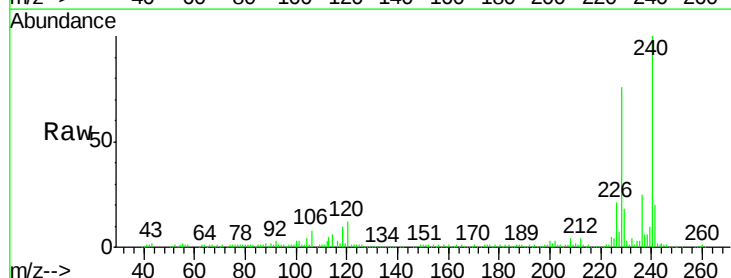
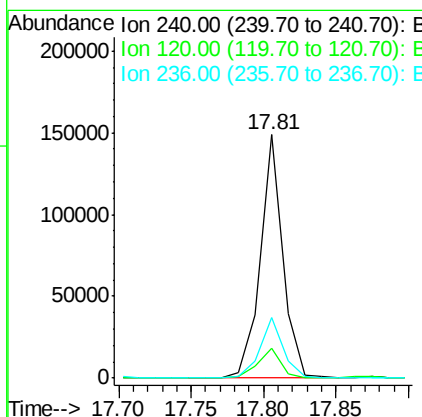
RT: 17.81 min Scan# 1454

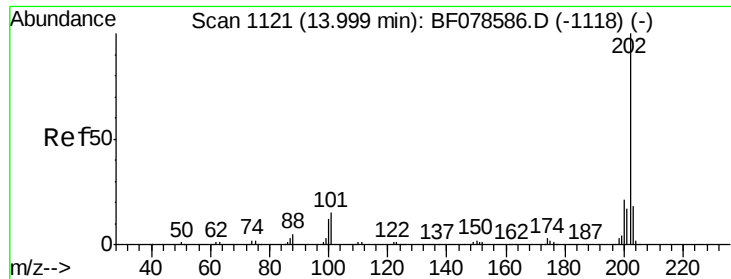
Delta R.T. -0.00 min

Lab File: BF078679.D

Acq: 21 Apr 2015 11:05

Tgt Ion:	240	Resp:	160794
Ion Ratio		Lower	Upper
240	100		
120	12.2	7.1	10.7#
236	25.0	21.4	32.2





#77

Pvrene

Concen: 58.87 ng

RT: 16.18 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BF078679.D

Acq: 21 Apr 2015 11:05

Instrument :

BNA_F

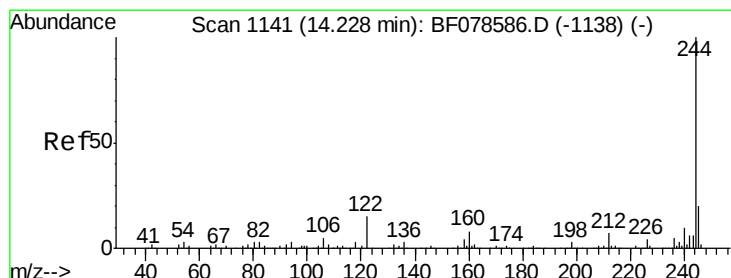
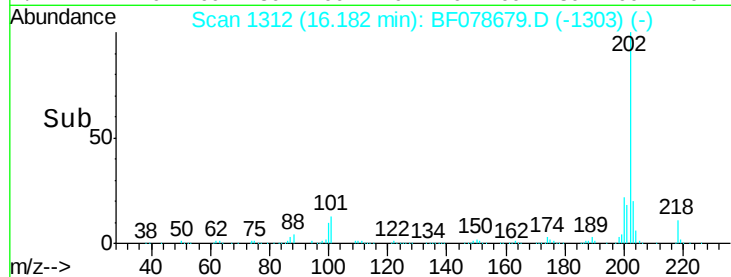
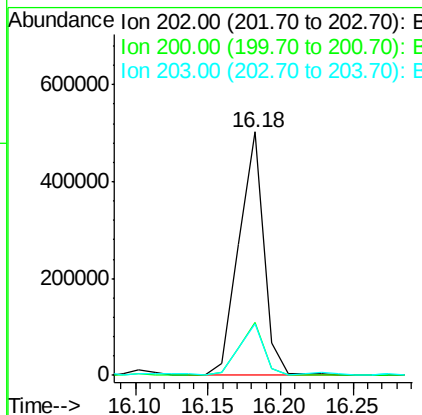
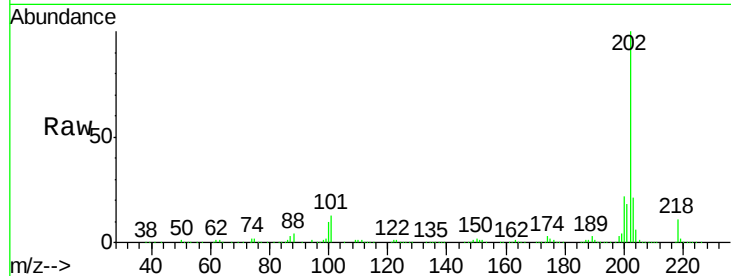
ClientSampleId :

LS-SB20

Tot Ion:	202	Resp:	594209
Ion Ratio		Lower	Upper
202	100		
200	21.7	16.3	24.5
203	21.4	13.8	20.6

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#78

Terphenyl-d14

Concen: 42.77 ng

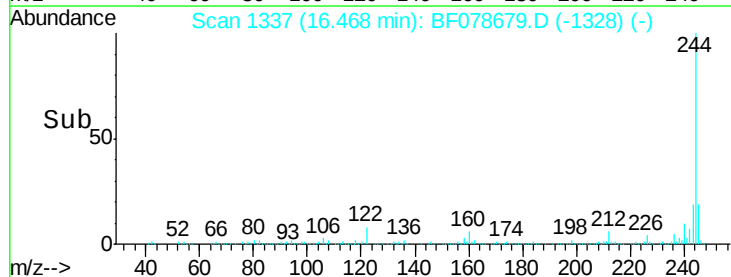
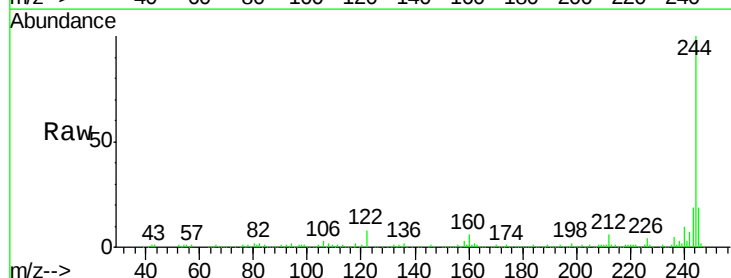
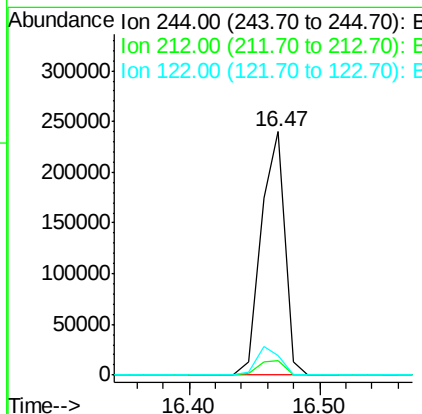
RT: 16.47 min Scan# 1337

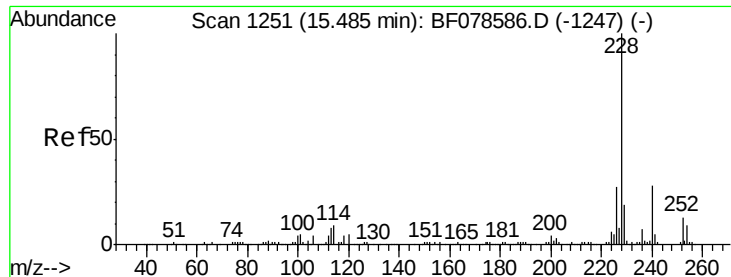
Delta R.T. -0.00 min

Lab File: BF078679.D

Acq: 21 Apr 2015 11:05

Tgt Ion:	244	Resp:	304339
Ion Ratio		Lower	Upper
244	100		
212	6.1	5.0	7.4
122	8.2	7.1	10.7





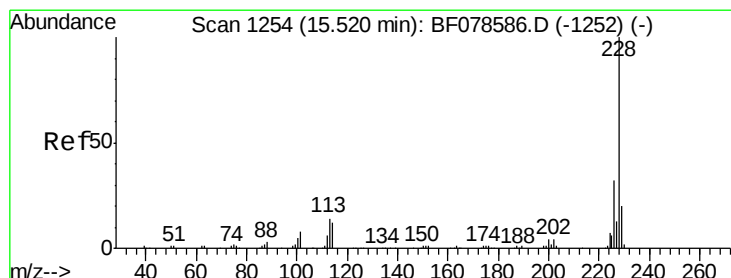
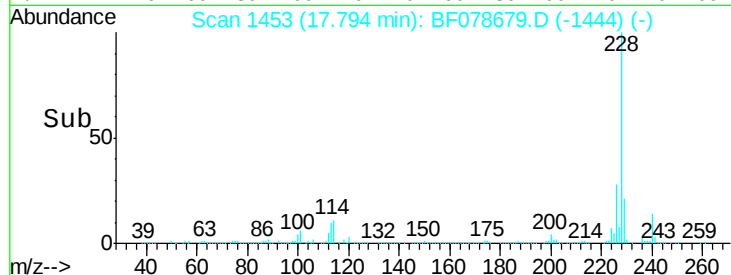
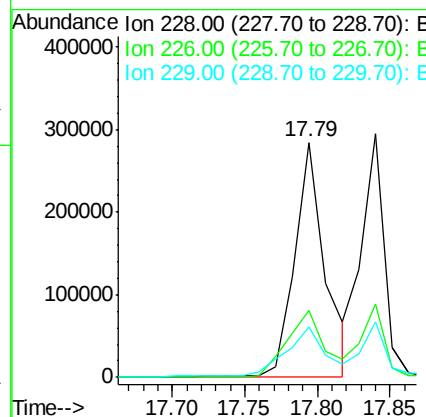
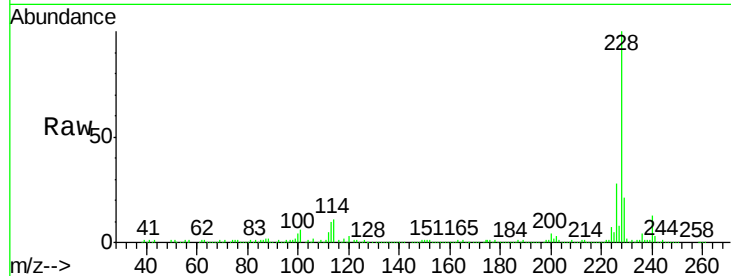
#80
Benzo(a)anthracene
Concen: 43.01 ng
RT: 17.79 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BF078679.D
Acq: 21 Apr 2015 11:05

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tot Ion:	228	Resp:	411450
Ion Ratio	Lower	Upper	
228	100		
226	28.4	21.3	31.9
229	21.3	15.4	23.2

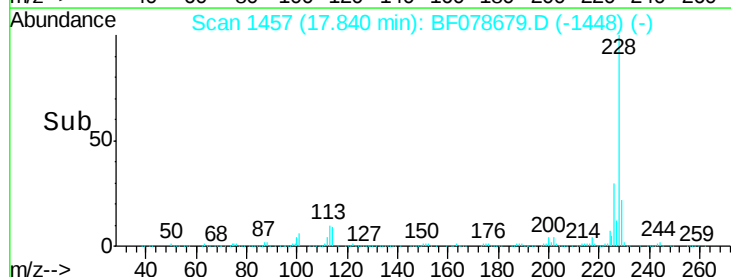
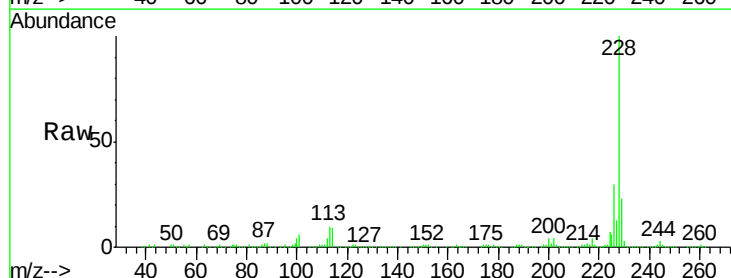
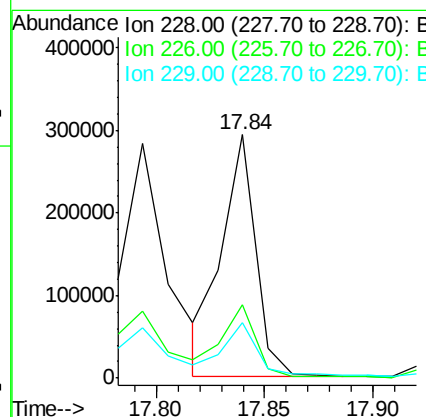
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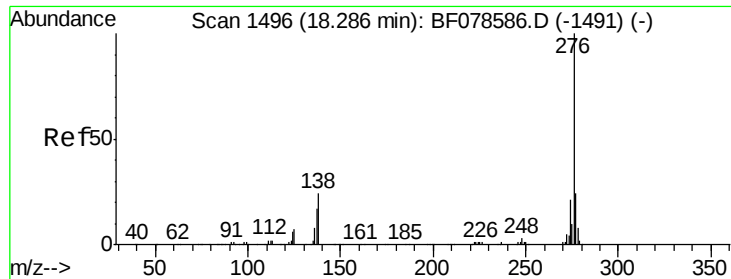
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#82
Chrysene
Concen: 35.23 ng
RT: 17.84 min Scan# 1457
Delta R.T. -0.00 min
Lab File: BF078679.D
Acq: 21 Apr 2015 11:05

Tgt Ion:	228	Resp:	316645
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.2	36.4
229	22.8	15.8	23.8





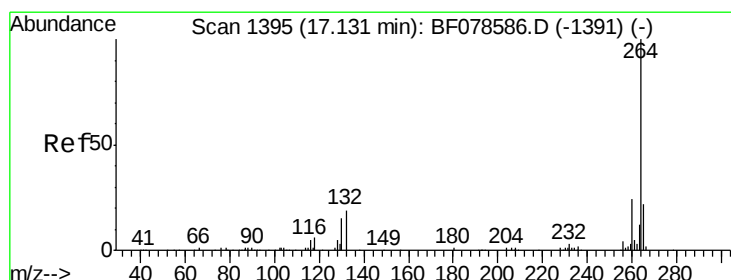
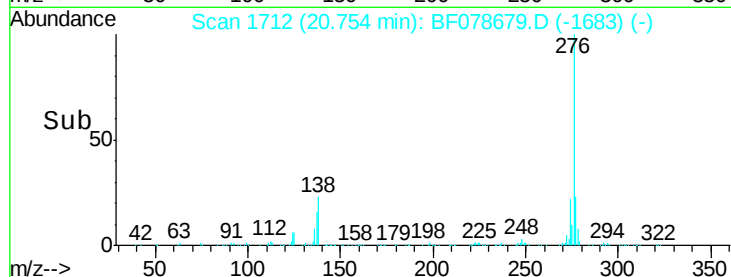
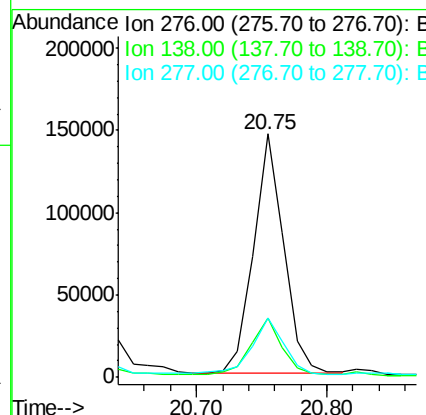
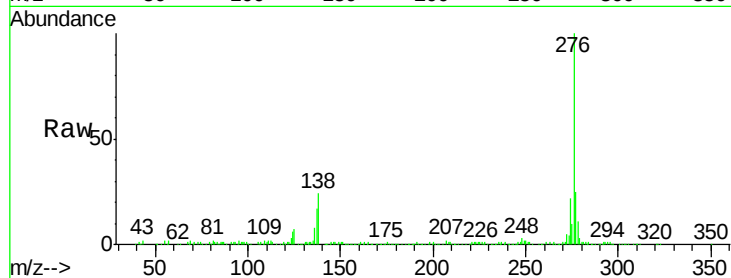
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 23.06 ng
 RT: 20.75 min Scan# 1712
 Delta R.T. 0.03 min
 Lab File: BF078679.D
 Acq: 21 Apr 2015 11:05

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB20

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.3	16.9	25.3
277	25.4	15.8	23.6

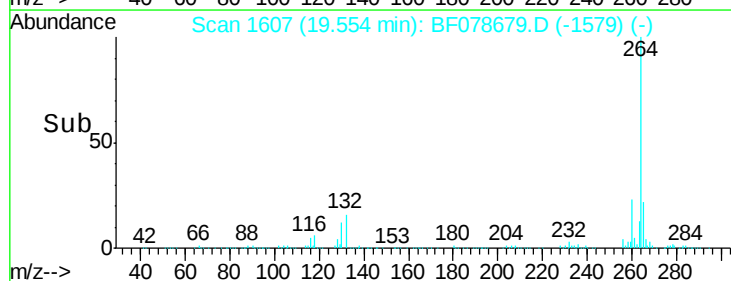
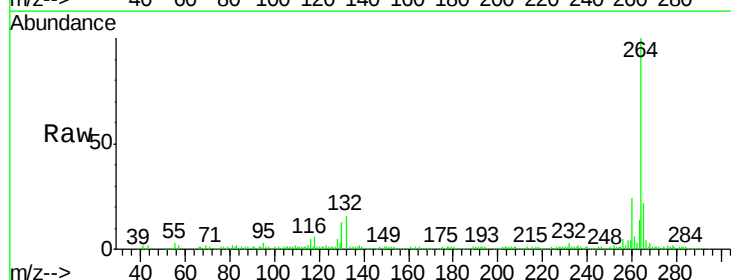
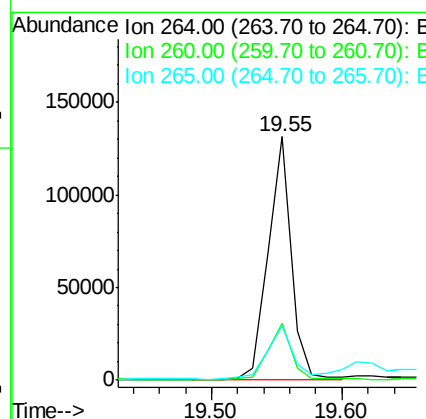
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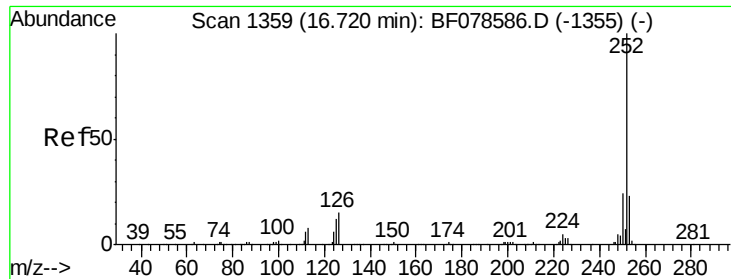
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.55 min Scan# 1607
 Delta R.T. 0.02 min
 Lab File: BF078679.D
 Acq: 21 Apr 2015 11:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	22.2	17.0	25.6





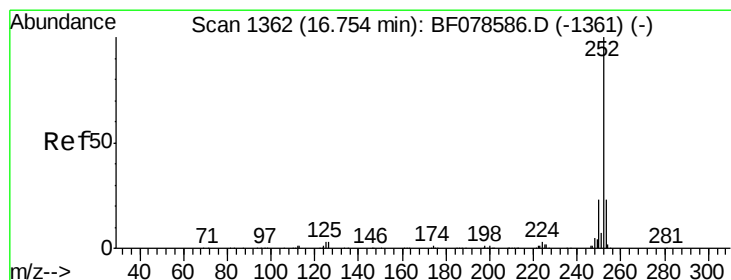
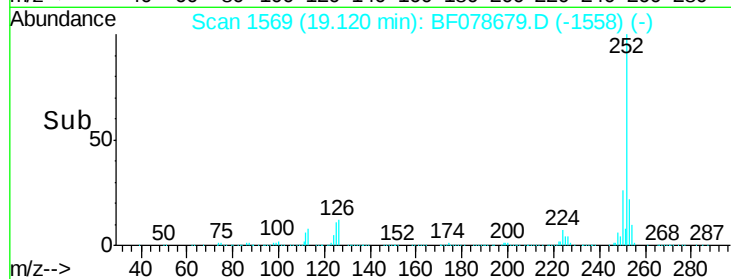
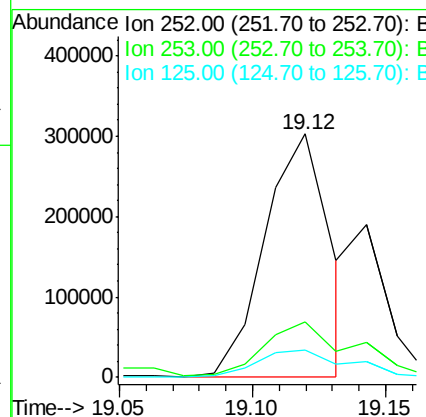
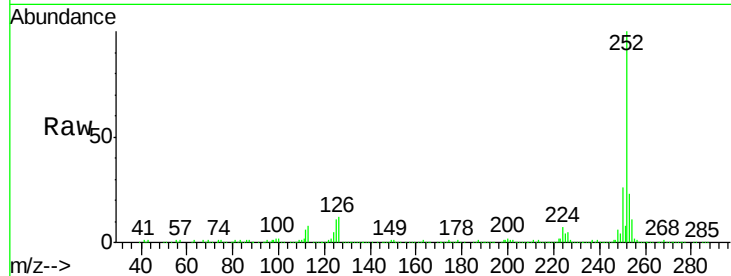
#87
Benzo(b)fluoranthene
Concen: 51.36 ng m
RT: 19.12 min Scan# 1569
Delta R.T. 0.02 min
Lab File: BF078679.D
Acq: 21 Apr 2015 11:05

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	11.4	7.0	10.4

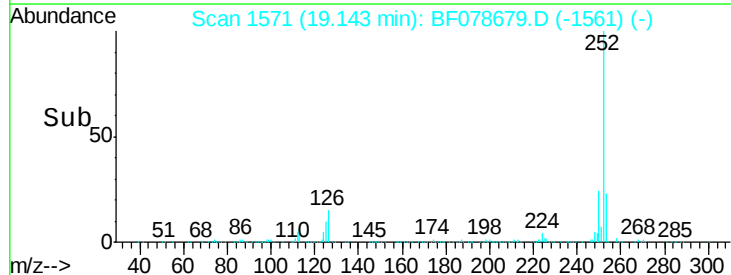
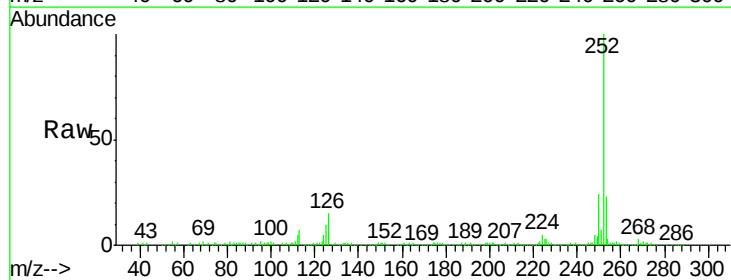
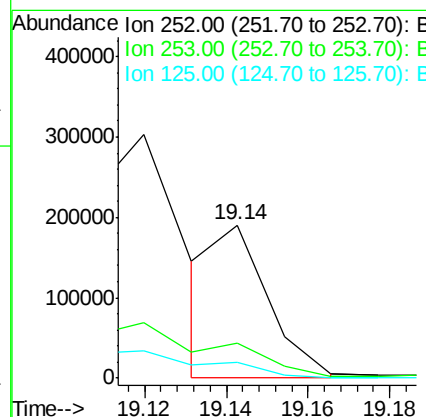
Manual Integrations
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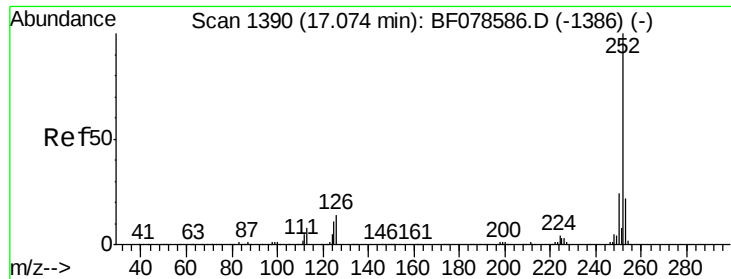
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#88
Benzo(k)fluoranthene
Concen: 18.95 ng m
RT: 19.14 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF078679.D
Acq: 21 Apr 2015 11:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	10.4	11.6	17.4





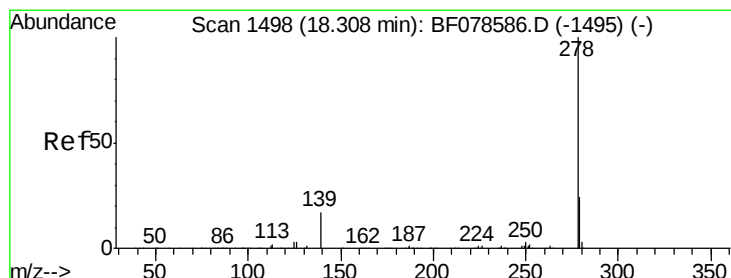
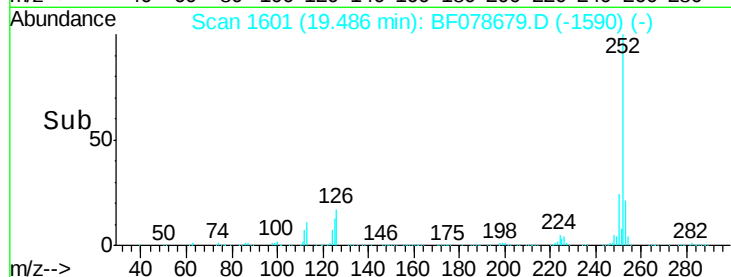
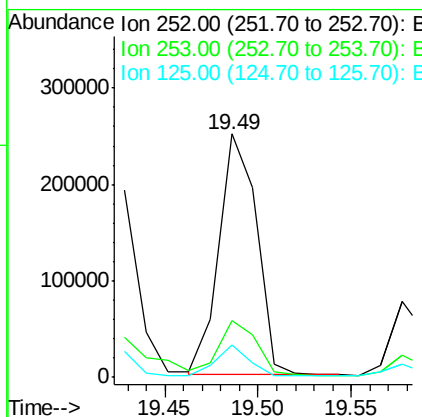
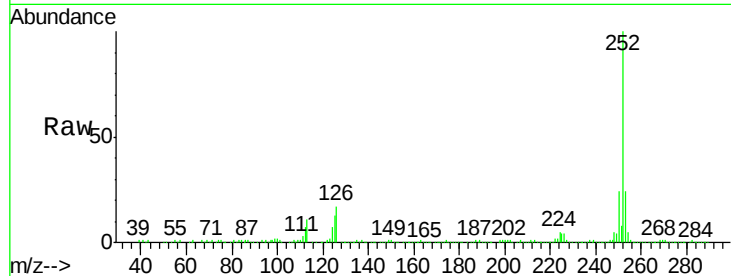
#89
Benzo(a)pyrene
Concen: 40.04 ng
RT: 19.49 min Scan# 1601
Delta R.T. 0.02 min
Lab File: BF078679.D
Acq: 21 Apr 2015 11:05

Instrument :
BNA_F
ClientSampleId :
LS-SB20

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.8	25.2
125	13.1	7.4	11.0

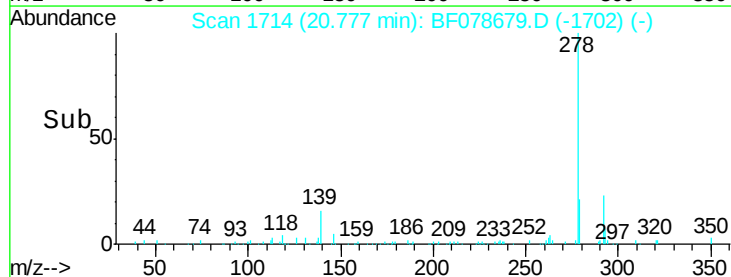
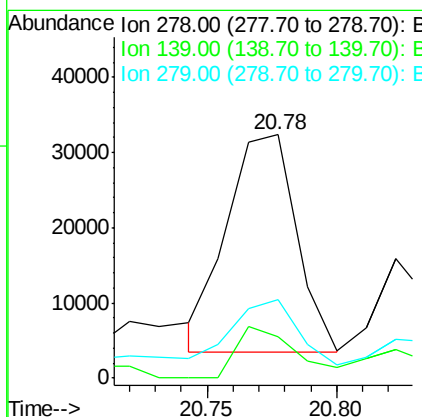
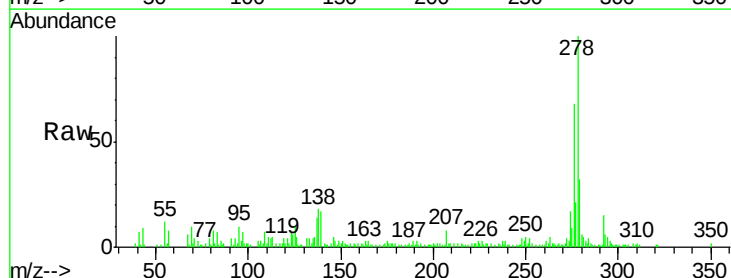
Manual Integrations
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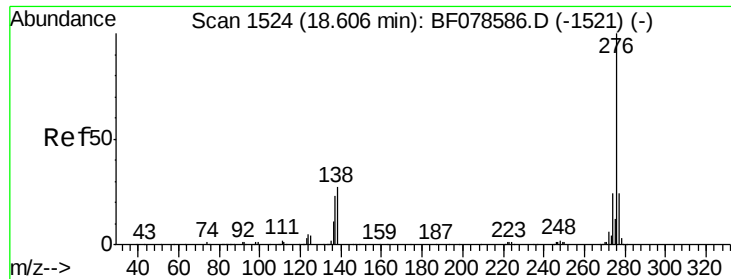
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#90
Dibenzo(a,h)anthracene
Concen: 6.07 ng m
RT: 20.78 min Scan# 1714
Delta R.T. 0.03 min
Lab File: BF078679.D
Acq: 21 Apr 2015 11:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.0	13.6	20.4
279	32.1	19.0	28.6





#91
 Benzo(a,h,i)perylene
 Concen: 25.27 ng
 RT: 21.09 min Scan# 1741
 Delta R.T. 0.05 min
 Lab File: BF078679.D
 Acq: 21 Apr 2015 11:05

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB20

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	18.0	19.9	29.9

Manual Integrations
 APPROVED

apatel
 4/21/2015 5:05:01 PM

