

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
 Data File : BF078640.D
 Acq On : 18 Apr 2015 12:50
 Operator : TP/IZ
 Sample : G1854-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB11A

Manual Integrations
 APPROVED

apatel
 4/20/2015 3:58:08 PM

Quant Time: Apr 20 13:45:00 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 18 05:04:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	40994	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	166930	20.00	ng	0.01
38) Acenaphthene-d10	10.41	164	87020	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	171039	20.00	ng	0.02
75) Chrysene-d12	15.49	240	192321	20.00	ng	0.02
86) Perylene-d12	17.19	264	189913	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	172714	69.47	ng	0.00
7) Phenol-d6	6.30	99	226324	72.63	ng	0.01
23) Nitrobenzene-d5	7.38	82	141062	51.22	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	60513	83.85	ng	0.01
44) 2-Fluorobiphenyl	9.61	172	281404	46.22	ng	0.01
78) Terphenyl-d14	14.23	244	361990	42.53	ng	0.02
Target Compounds						Qvalue
31) Naphthalene	8.28	128	70165	8.08	ng	99
37) 2-Methylnaphthalene	9.14	142	70151	11.89	ng	# 93
48) Acenaphthylene	10.24	152	36436	4.03	ng	# 62
49) Dimethylphthalate	10.12	163	22611	3.46	ng	# 86
51) Acenaphthene	10.46	154	31001	6.09	ng	# 92
57) Fluorene	11.08	166	69703	11.06	ng	# 85
70) Phenanthrene	12.26	178	244786	24.74	ng	# 95
71) Anthracene	12.33	178	61210	6.28	ng	# 68
74) Fluoranthene	13.74	202	261871	25.10	ng	# 98
77) Pyrene	14.00	202	297102	24.61	ng	# 91
80) Benzo(a)anthracene	15.47	228	182286	15.93	ng	92
82) Chrysene	15.52	228	150059m	13.96	ng	
85) Indeno(1,2,3-cd)pyrene	18.38	276	220959	18.11	ng	# 90
87) Benzo(b)fluoranthene	16.75	252	261902m	22.31	ng	
88) Benzo(k)fluoranthene	16.77	252	108903m	10.44	ng	
89) Benzo(a)pyrene	17.12	252	222250	21.70	ng	# 83
90) Dibenzo(a,h)anthracene	18.39	278	40102m	3.91	ng	
91) Benzo(g,h,i)perylene	18.71	276	216622	21.07	ng	97

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

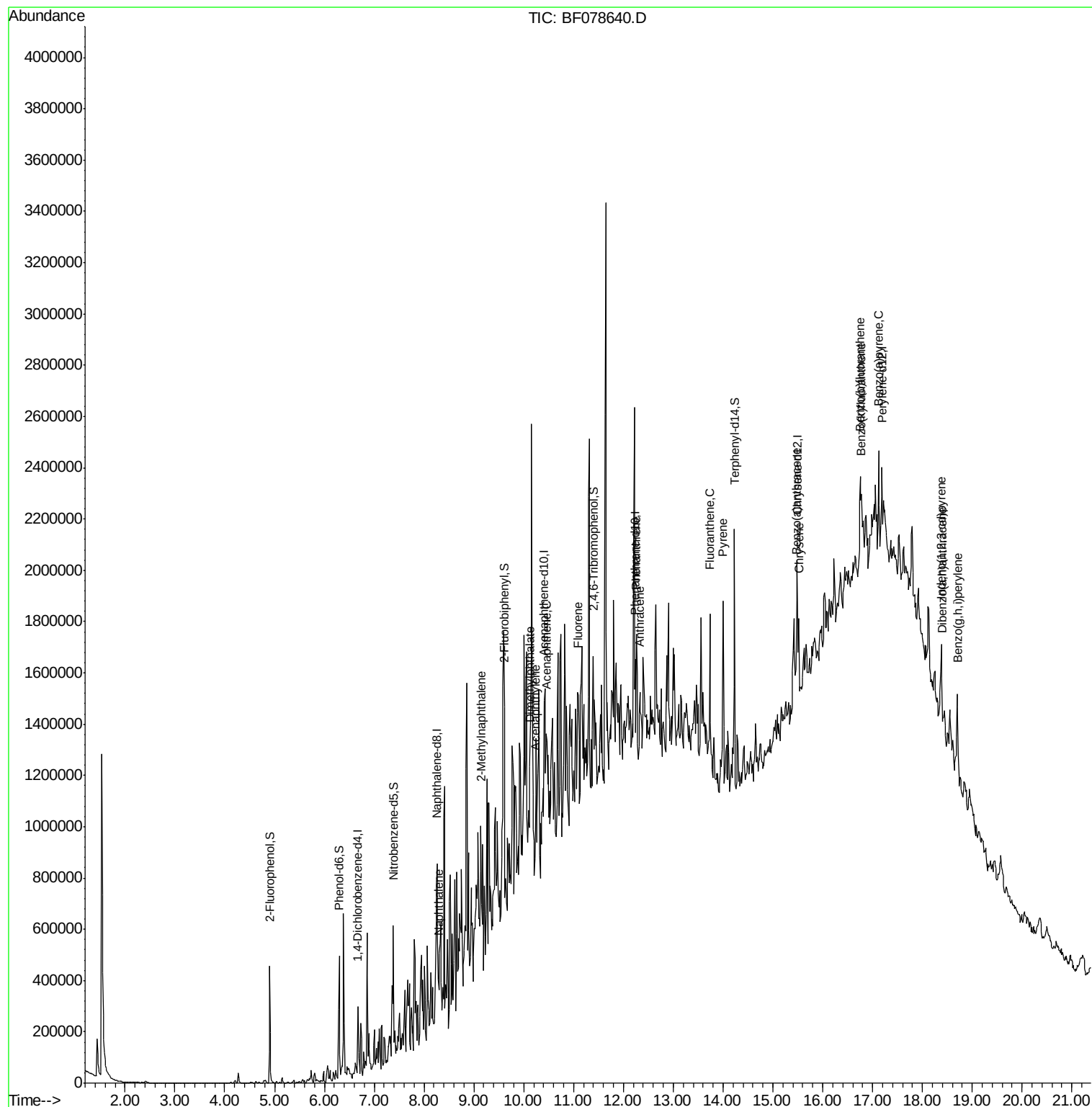
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
Data File : BF078640.D
Acq On : 18 Apr 2015 12:50
Operator : TP/IZ
Sample : G1854-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

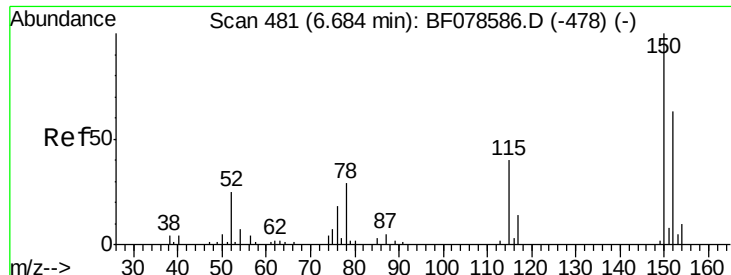
Instrument :
BNA_F
ClientSampleId :
LS-SB11A

Manual Integrations
APPROVED

apatel
4/20/2015 3:58:08 PM

Quant Time: Apr 20 13:45:00 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 18 05:04:14 2015
Response via : Initial Calibration





#1

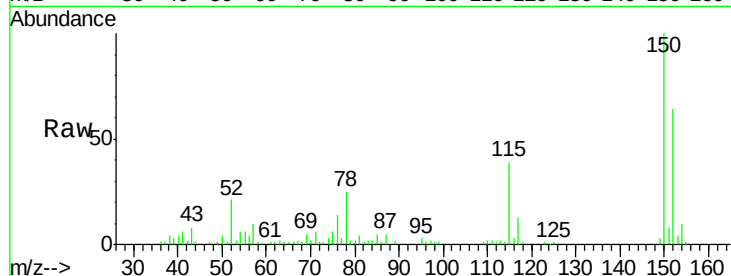
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 480
Delta R.T. -0.00 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Instrument :
BNA_F
ClientSampleId :
LS-SB11A

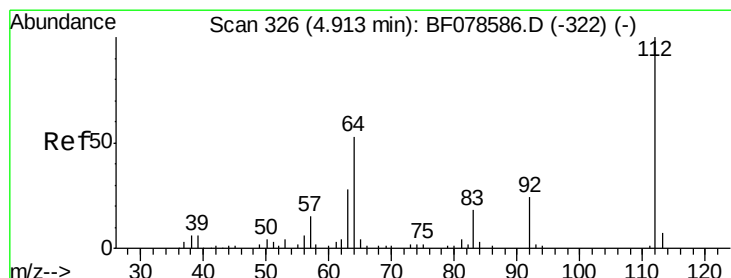
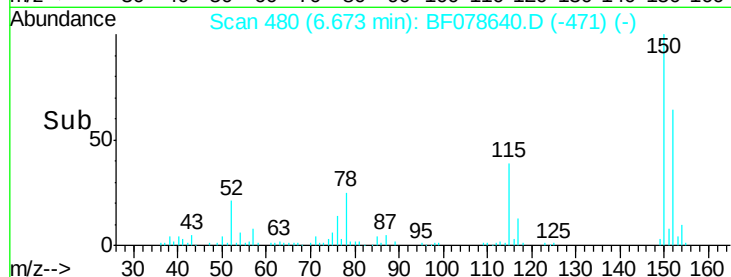
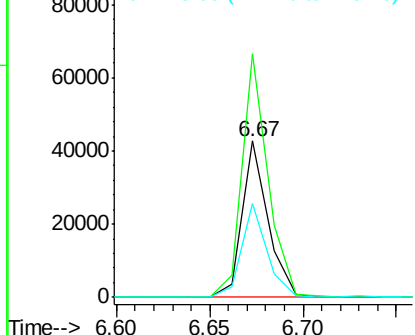
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.9	188.9
115	60.2	52.7	79.1

Manual Integrations
APPROVED

apatel
4/20/2015 3:58:08 PM



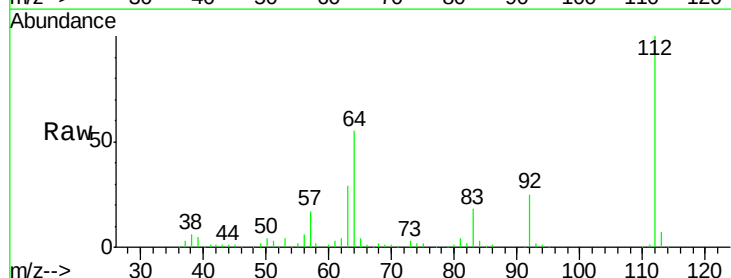
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



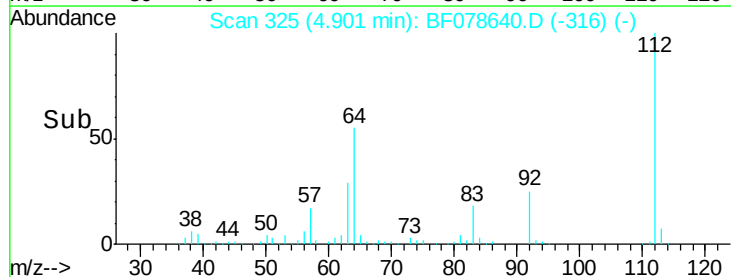
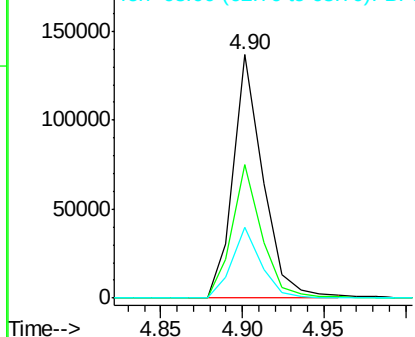
#5

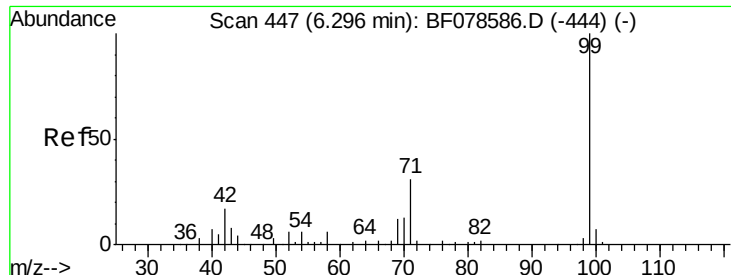
2-Fluorophenol
Concen: 69.47 ng
RT: 4.90 min Scan# 325
Delta R.T. -0.00 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	39.9	59.9
63	29.0	20.2	30.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 72.63 ng

RT: 6.30 min Scan# 447

Delta R.T. 0.01 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

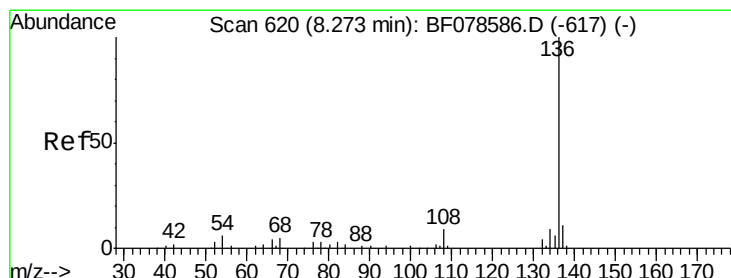
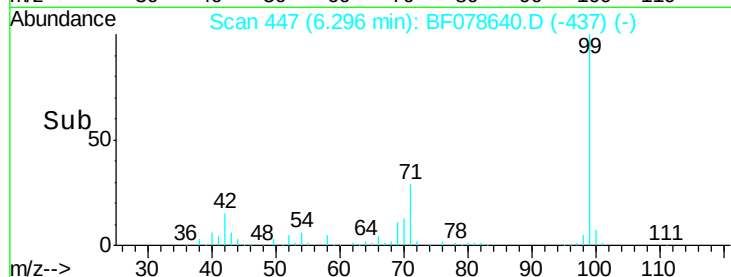
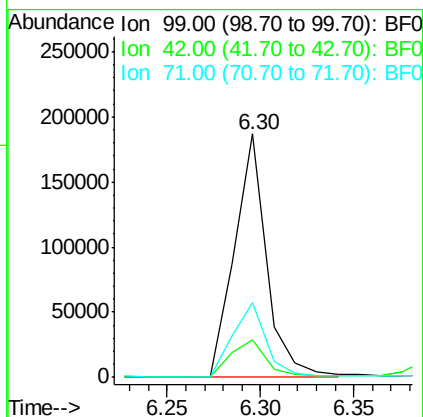
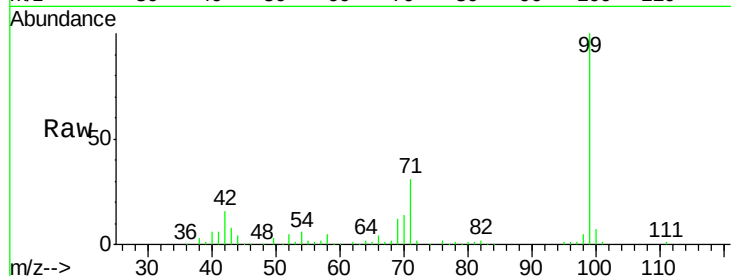
ClientSampleId :

LS-SB11A

Tot Ion:	99	Resp:	226324
Ion	Ratio	Lower	Upper
99	100		
42	15.5	14.8	22.2
71	30.6	26.6	39.8

Manual Integrations
APPROVED

apatel
4/20/2015 3:58:08 PM



#21

Naphthalene-d8

Concen: 20.00 ng

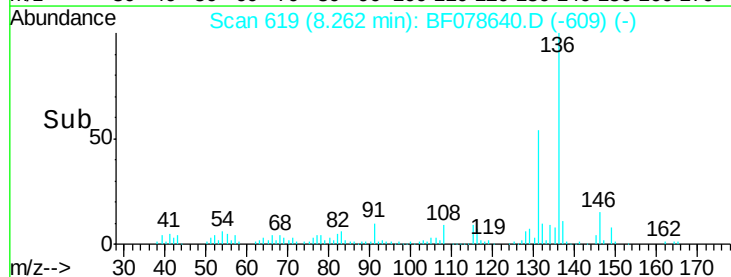
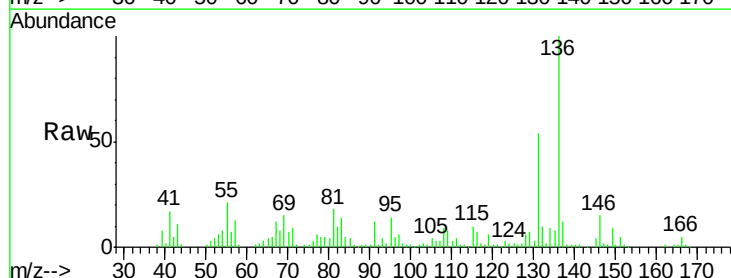
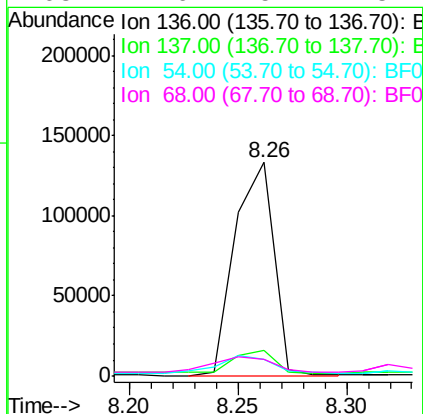
RT: 8.26 min Scan# 619

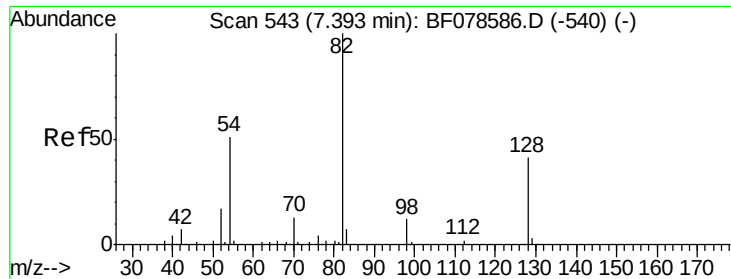
Delta R.T. 0.01 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Tgt Ion:	136	Resp:	166930
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.0	13.4
54	7.6	7.0	10.6
68	7.6	5.4	8.2





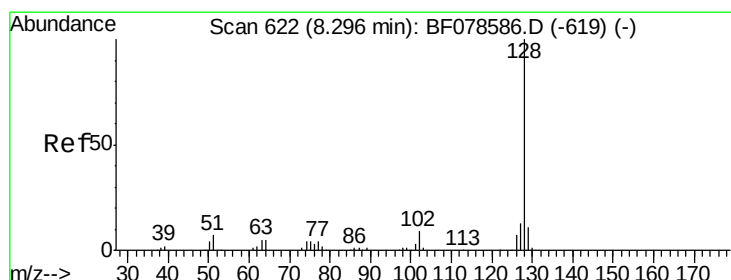
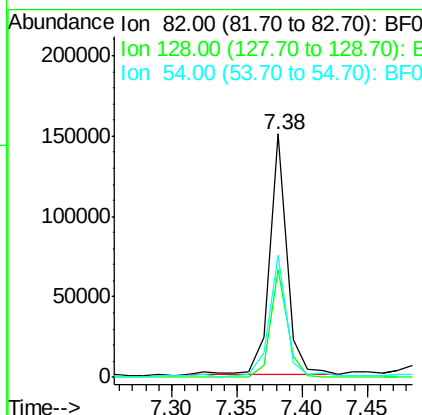
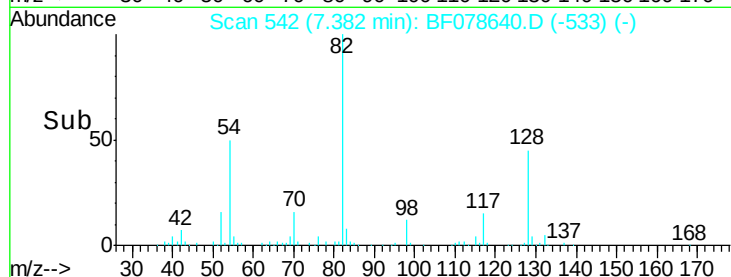
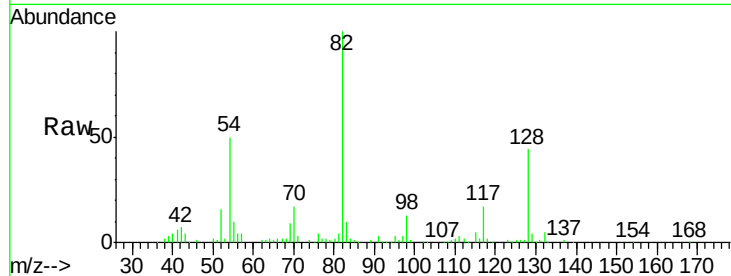
#23
Nitrobenzene-d5
Concen: 51.22 ng
RT: 7.38 min Scan# 542
Delta R.T. -0.00 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Instrument :
BNA_F
ClientSampleId :
LS-SB11A

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.4	31.8	47.8	
54	50.0	41.5	62.3	

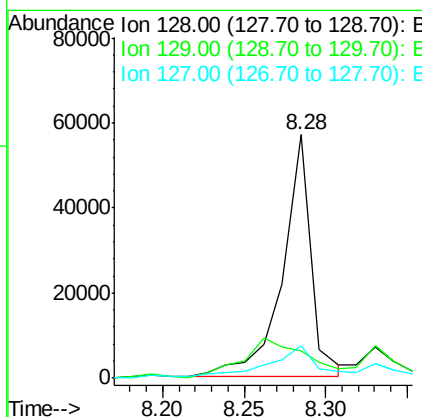
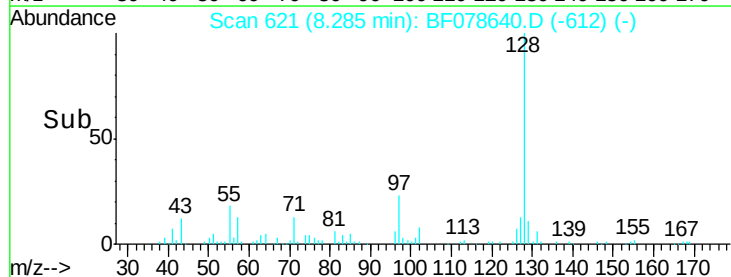
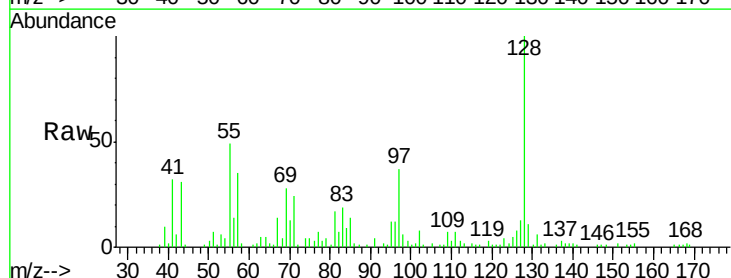
Manual Integrations
APPROVED

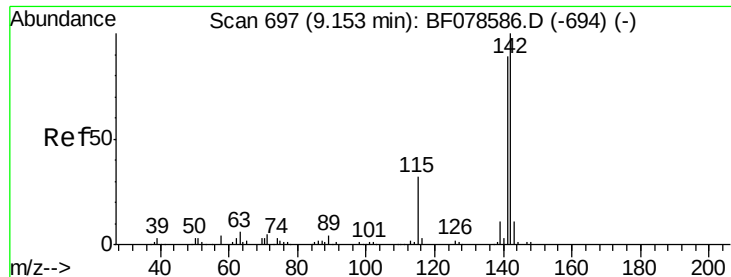
apatel
4/20/2015 3:58:08 PM



#31
Naphthalene
Concen: 8.08 ng
RT: 8.28 min Scan# 621
Delta R.T. -0.00 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.3	8.6	12.8	
127	13.3	10.7	16.1	





#37

2-Methylnaphthalene

Concen: 11.89 ng

RT: 9.14 min Scan# 696

Delta R.T. -0.00 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

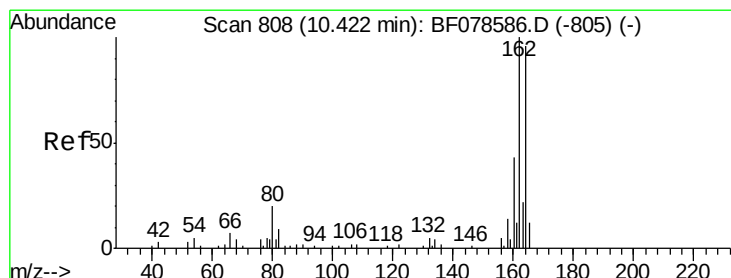
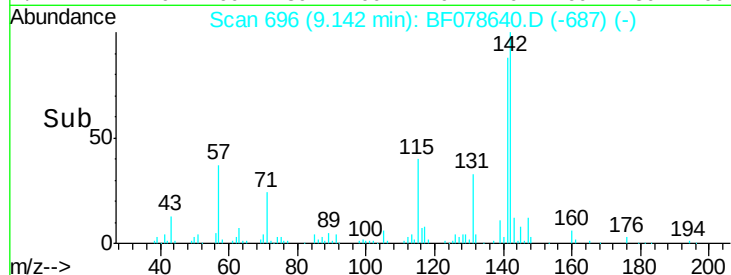
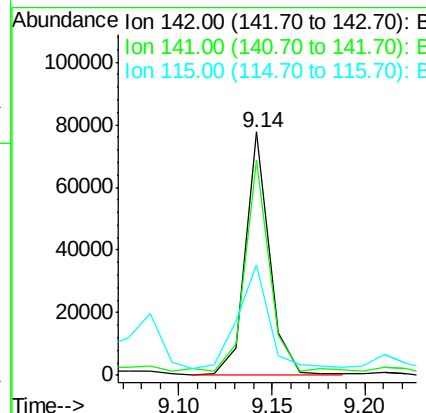
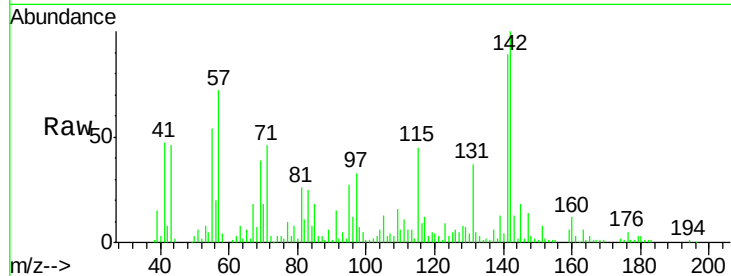
ClientSampled :

LS-SB11A

Tot Ion:	142	Resp:	70151
Ion Ratio	Lower	Upper	
142	100		
141	88.5	70.3	105.5
115	45.4	24.6	37.0#

Manual Integrations
APPROVED

apatel
4/20/2015 3:58:08 PM



#38

Acenaphthene-d10

Concen: 20.00 ng

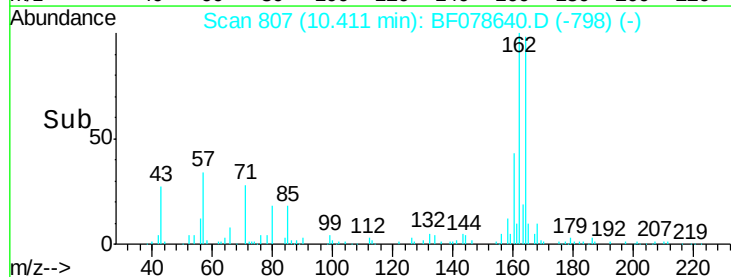
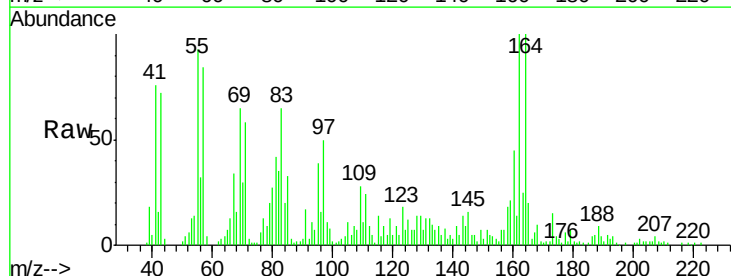
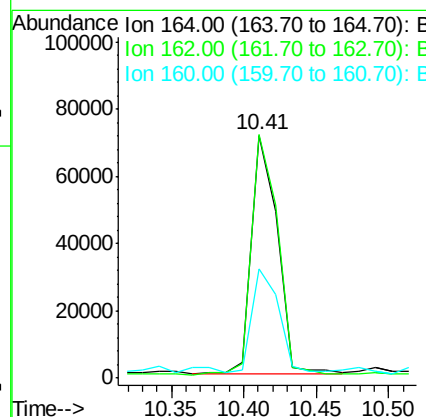
RT: 10.41 min Scan# 807

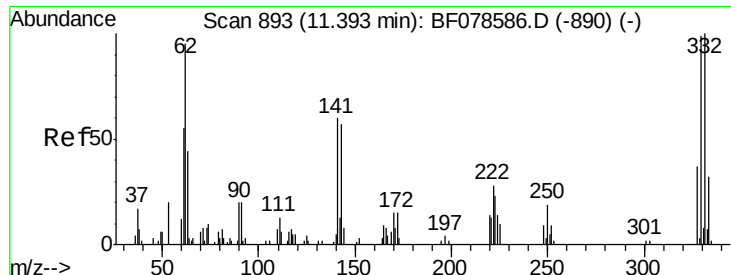
Delta R.T. -0.00 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Tgt Ion:	164	Resp:	87020
Ion Ratio	Lower	Upper	
164	100		
162	100.4	82.2	123.2
160	44.8	34.7	52.1





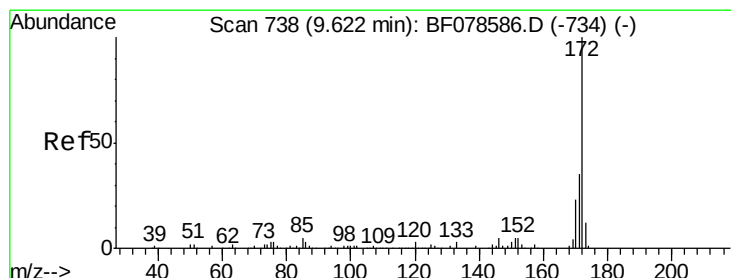
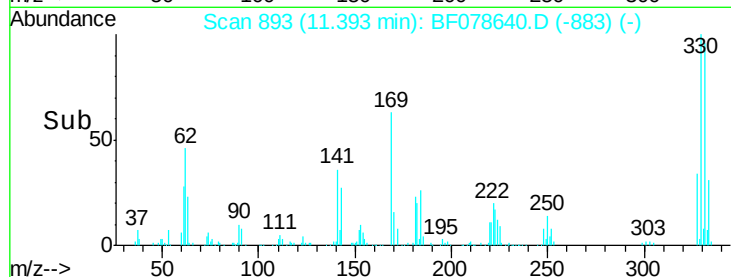
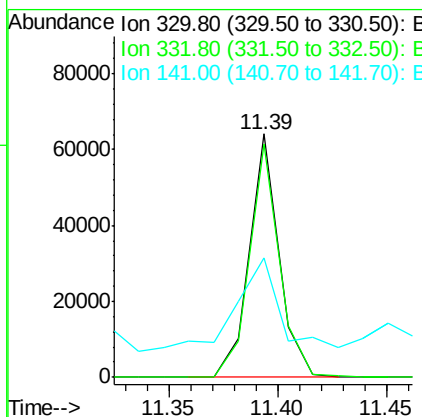
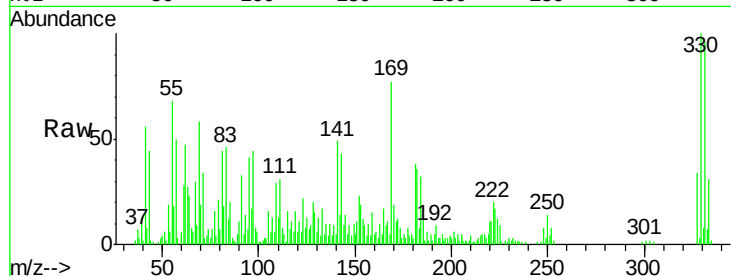
#41
 2,4,6-Tribromophenol
 Concen: 83.85 ng
 RT: 11.39 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: BF078640.D
 Acq: 18 Apr 2015 12:50

Instrument :
 BNA_F
 ClientSampled :
 LS-SB11A

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.6	117.8
141	50.3	31.2	46.8

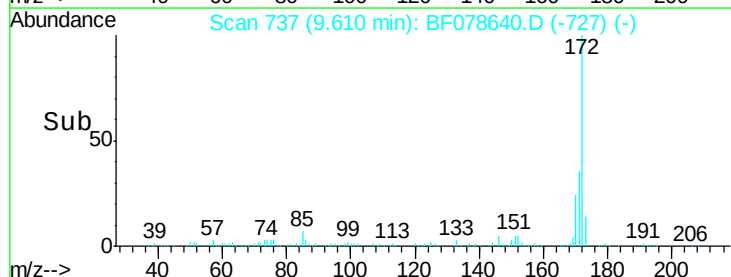
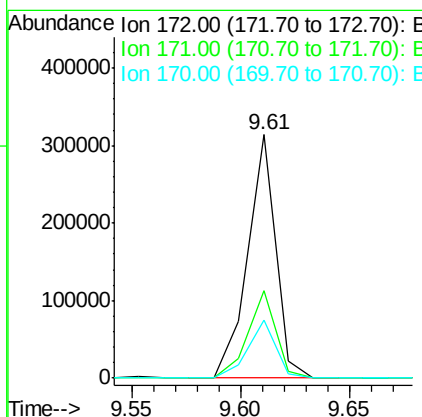
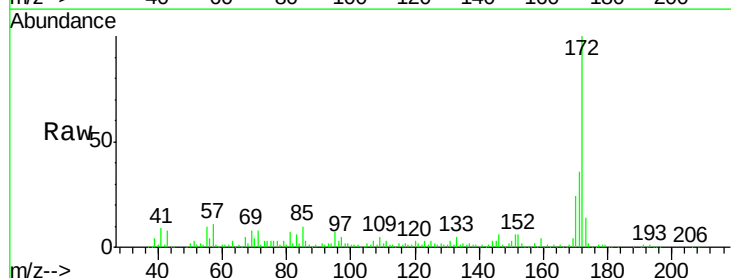
Manual Integrations
 APPROVED

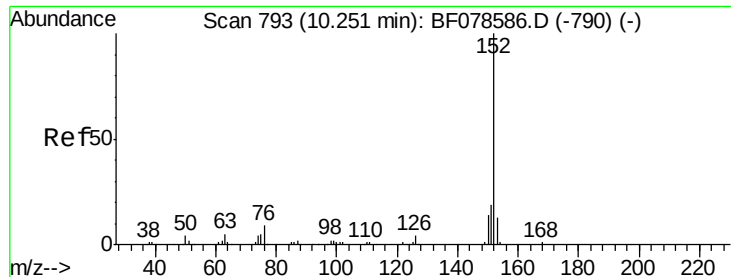
apatel
 4/20/2015 3:58:08 PM



#44
 2-Fluorobiphenyl
 Concen: 46.22 ng
 RT: 9.61 min Scan# 737
 Delta R.T. 0.01 min
 Lab File: BF078640.D
 Acq: 18 Apr 2015 12:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	24.1	18.5	27.7





#48

Acenaphthylene

Concen: 4.03 ng

RT: 10.24 min Scan# 792

Delta R.T. 0.01 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

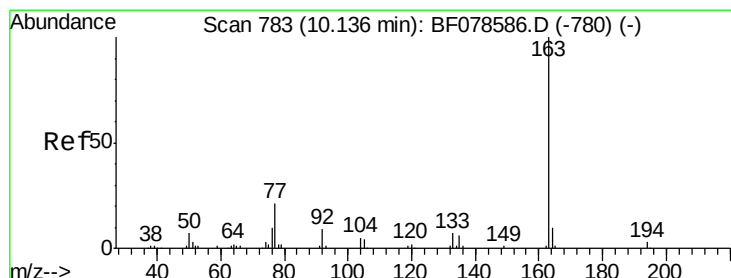
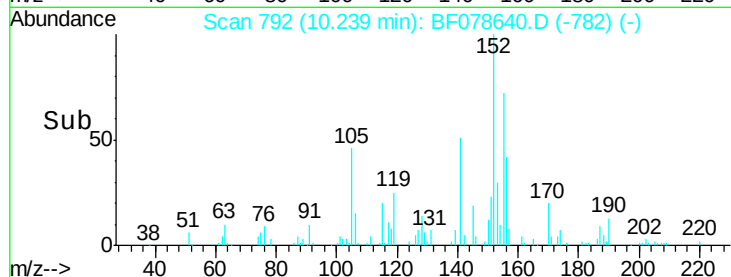
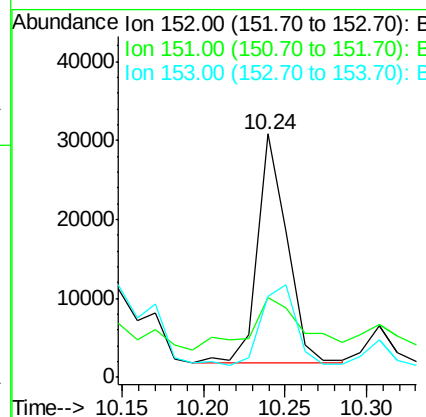
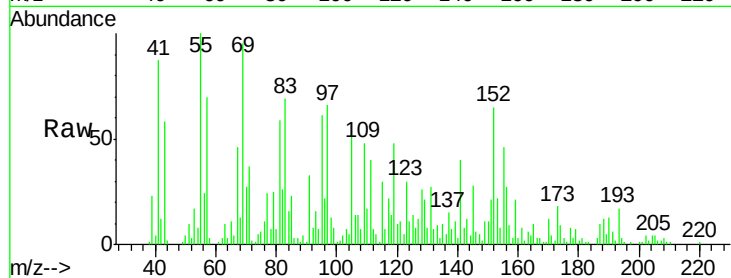
ClientSampleId :

LS-SB11A

Tot Ion:	152	Resp:	36436
Ion Ratio	Lower	Upper	
152	100		
151	33.0	15.7	23.5#
153	33.4	10.2	15.2#

Manual Integrations
APPROVED

apatel
4/20/2015 3:58:08 PM



#49

Dimethylphthalate

Concen: 3.46 ng

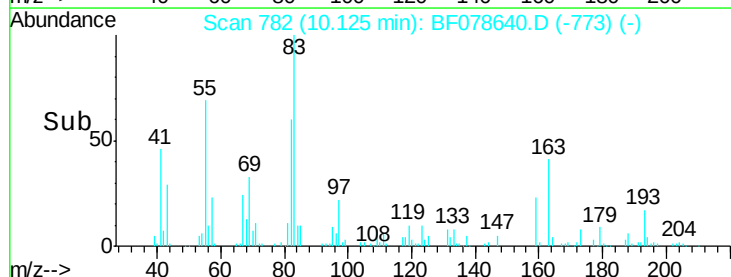
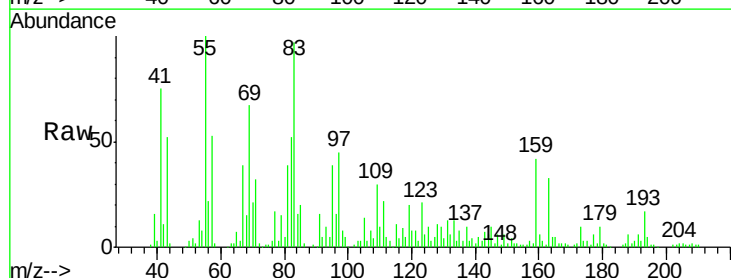
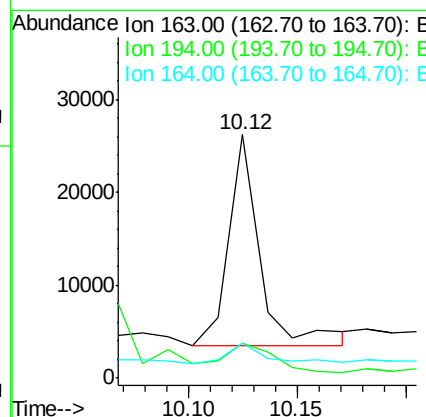
RT: 10.12 min Scan# 782

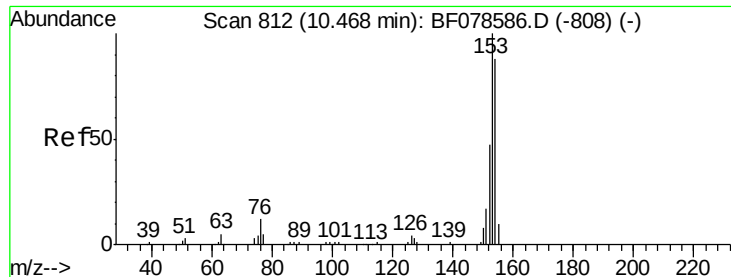
Delta R.T. -0.00 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Tgt Ion:	163	Resp:	22611
Ion Ratio	Lower	Upper	
163	100		
194	14.3	2.3	3.5#
164	14.2	8.6	13.0#





#51

Acenaphthene

Concen: 6.09 ng

RT: 10.46 min Scan# 811

Delta R.T. 0.01 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

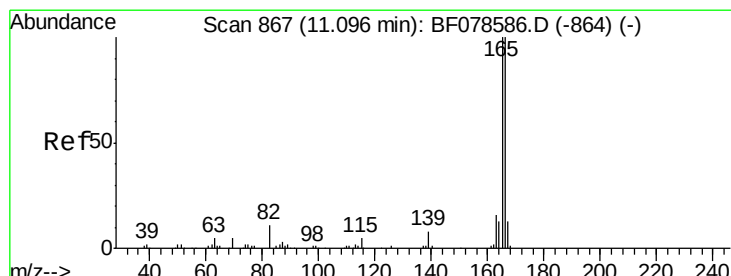
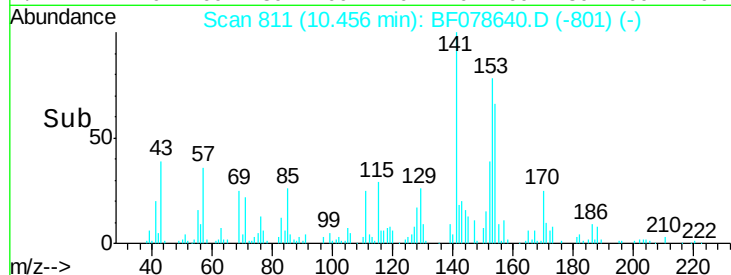
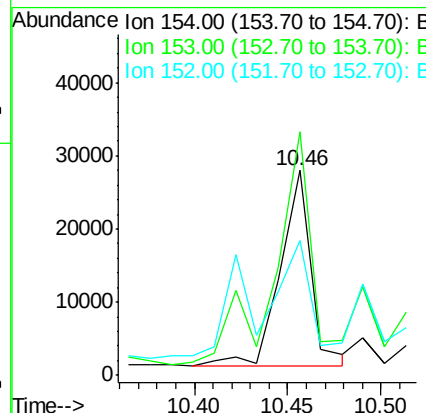
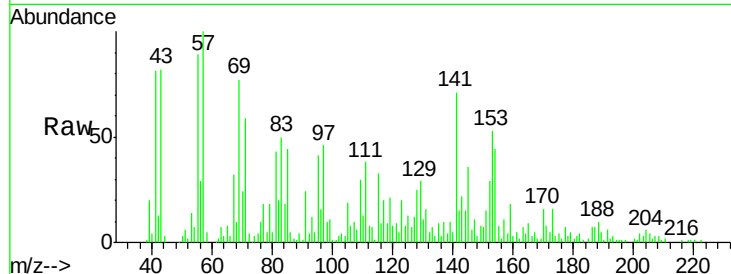
ClientSampled :

LS-SB11A

Tot Ion:	154	Resp:	31001
Ion Ratio	Lower	Upper	
154	100		
153	118.8	91.4	137.2
152	65.6	43.0	64.6#

Manual Integrations
APPROVED

apatel
4/20/2015 3:58:08 PM



#57

Fluorene

Concen: 11.06 ng

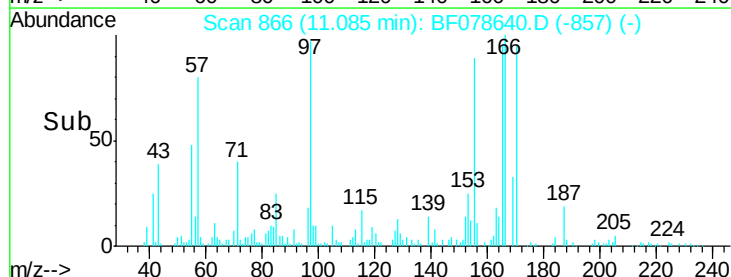
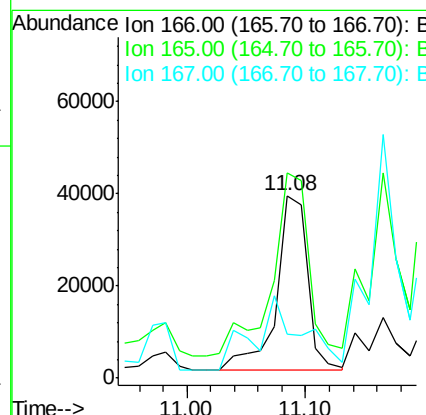
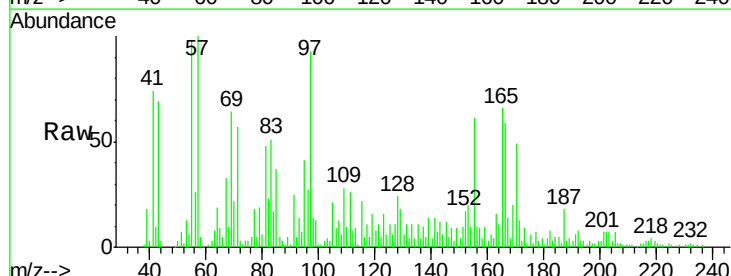
RT: 11.08 min Scan# 866

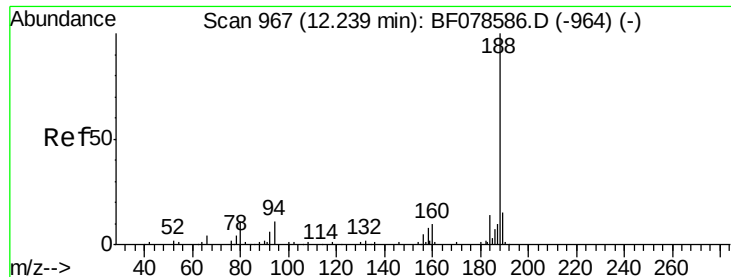
Delta R.T. -0.00 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Tgt Ion:	166	Resp:	69703
Ion Ratio	Lower	Upper	
166	100		
165	112.4	78.9	118.3
167	24.2	10.7	16.1#





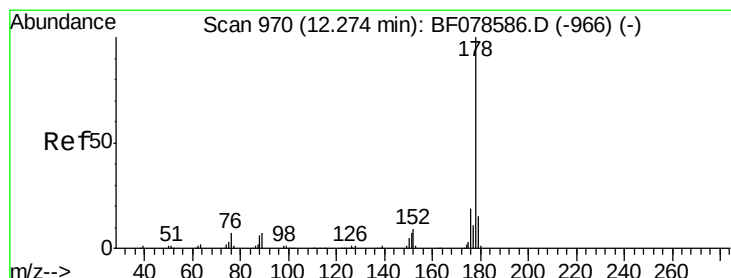
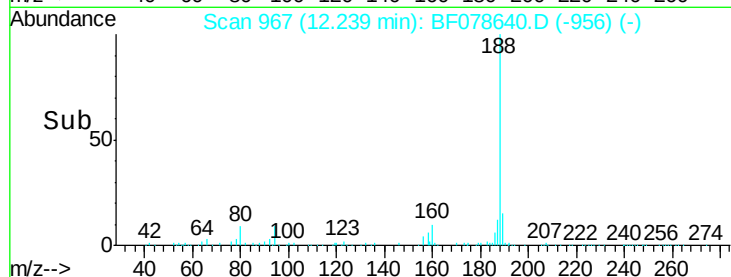
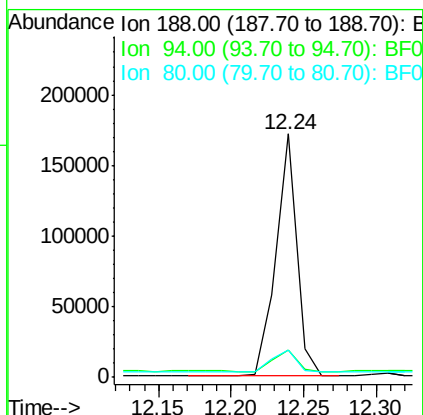
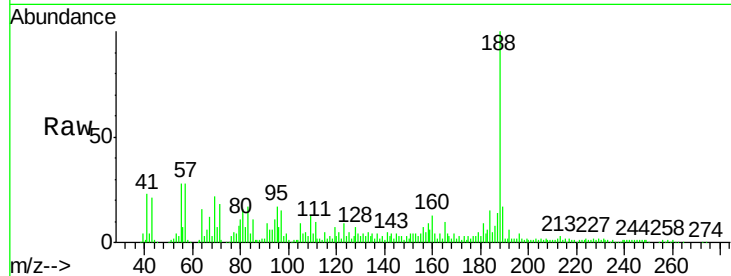
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.24 min Scan# 967
Delta R.T. 0.02 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Instrument :
BNA_F
ClientSampleId :
LS-SB11A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	171039		
94	11.1	9.0	13.4	
80	11.4	9.5	14.3	

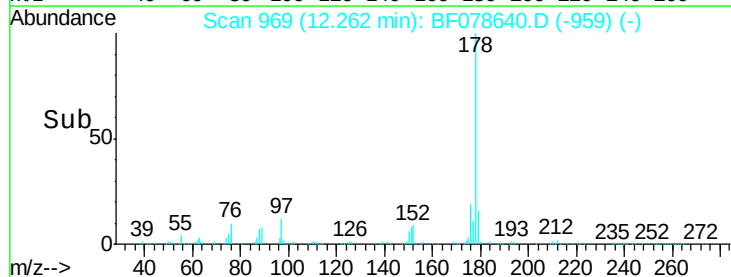
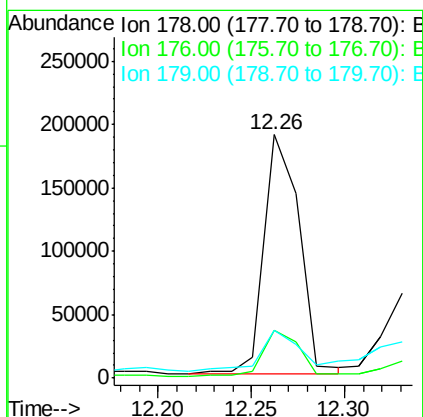
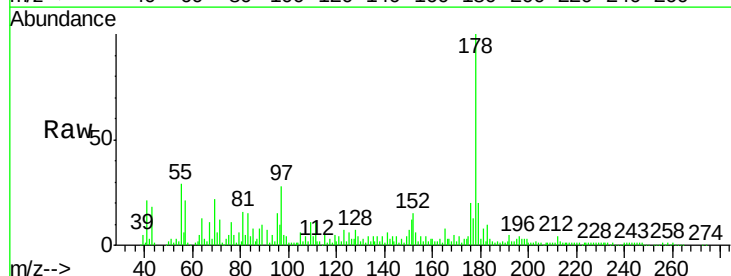
Manual Integrations
APPROVED

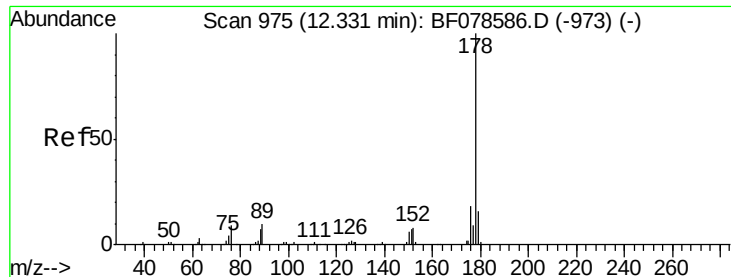
apatel
4/20/2015 3:58:08 PM



#70
Phenanthrene
Concen: 24.74 ng
RT: 12.26 min Scan# 969
Delta R.T. 0.01 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	244786		
176	19.8	15.4	23.0	
179	19.7	12.2	18.2#	





#71

Anthracene

Concen: 6.28 ng

RT: 12.33 min Scan# 975

Delta R.T. 0.02 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

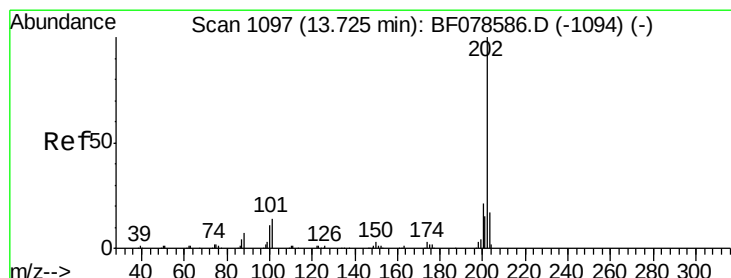
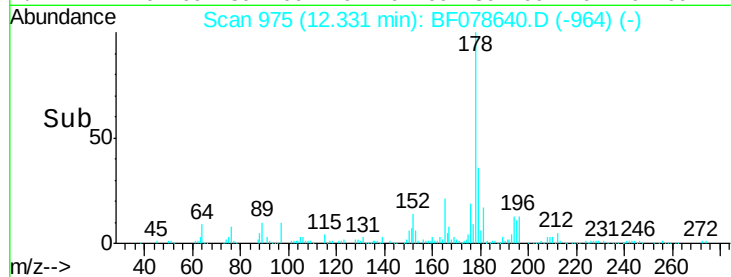
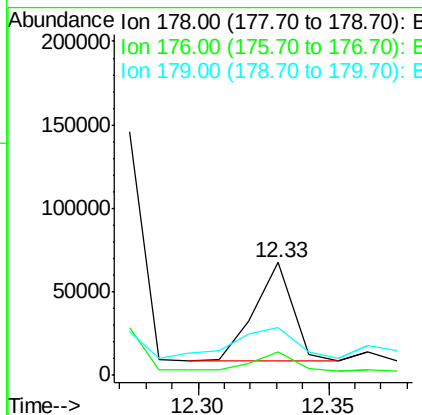
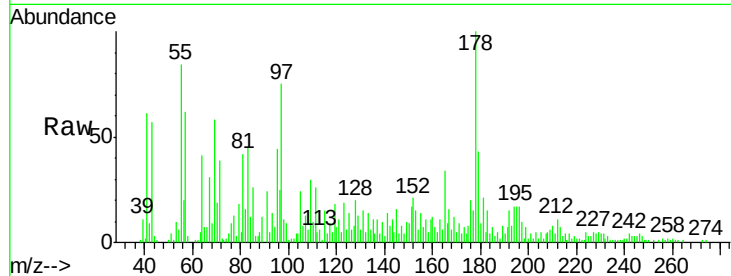
ClientSampleId :

LS-SB11A

Tot Ion:	178	Resp:	61210
Ion Ratio	Lower	Upper	
178	100		
176	20.4	14.8	22.2
179	42.7	12.4	18.6#

Manual Integrations
APPROVED

apatel
4/20/2015 3:58:08 PM



#74

Fluoranthene

Concen: 25.10 ng

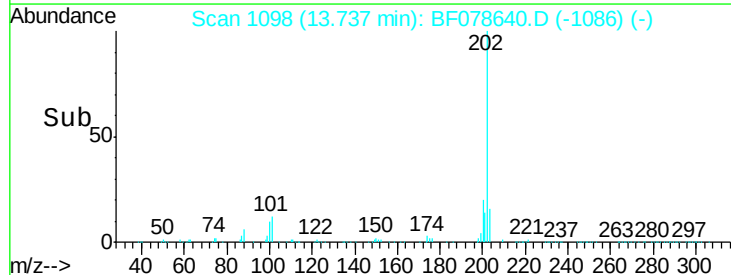
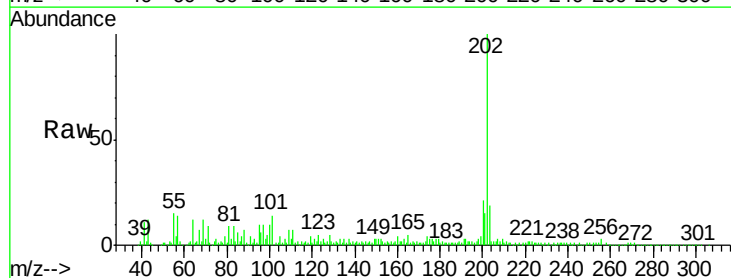
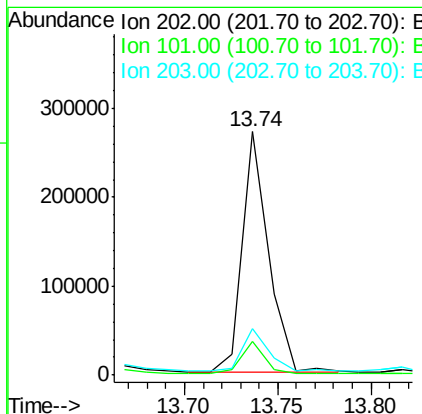
RT: 13.74 min Scan# 1098

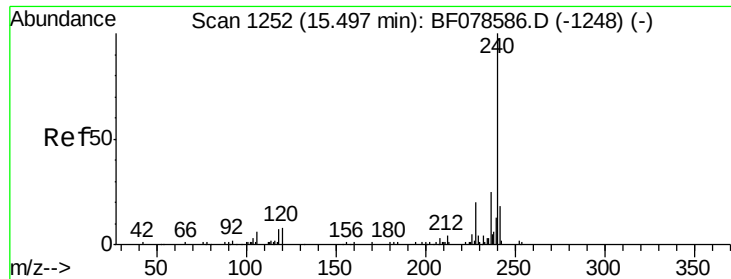
Delta R.T. 0.03 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Tgt Ion:	202	Resp:	261871
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	35.2
203	18.9	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 1251

Delta R.T. 0.02 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

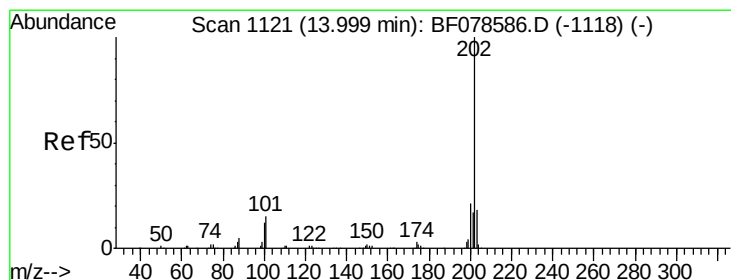
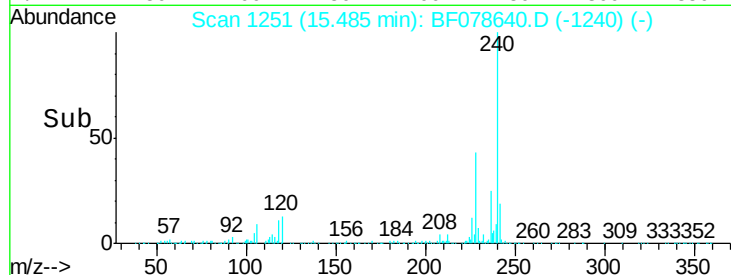
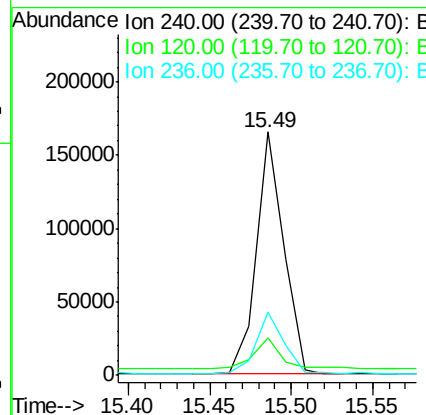
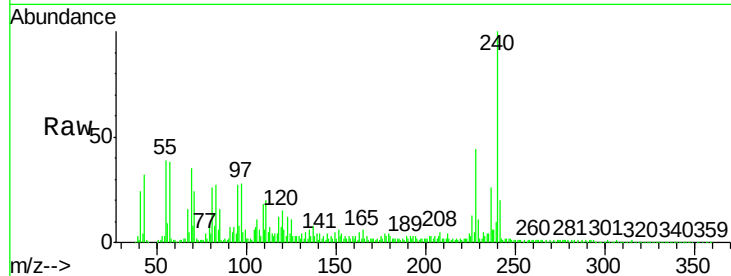
ClientSampled :

LS-SB11A

Tot Ion:	240	Resp:	192321
Ion Ratio	Lower	Upper	
240	100		
120	15.4	7.1	10.7#
236	26.2	21.4	32.2

Manual Integrations
APPROVED

apatel
4/20/2015 3:58:08 PM



#77

Pyrene

Concen: 24.61 ng

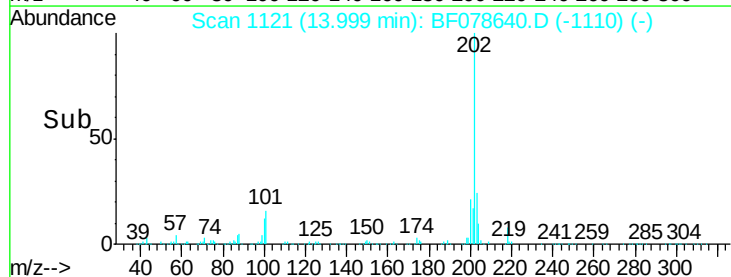
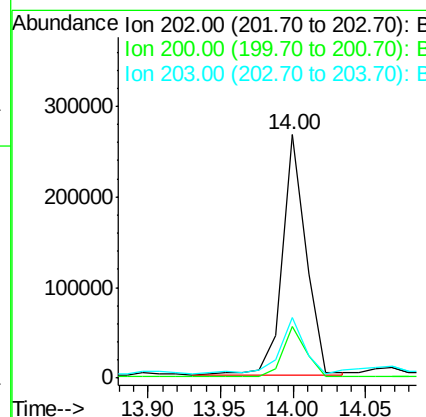
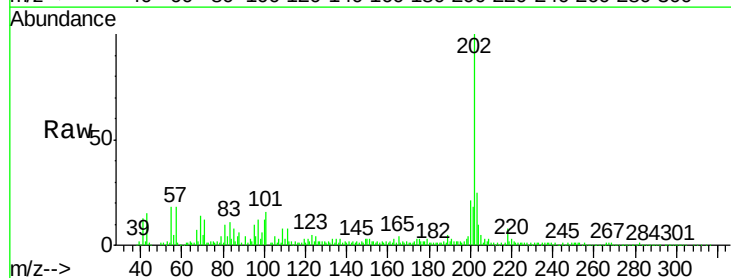
RT: 14.00 min Scan# 1121

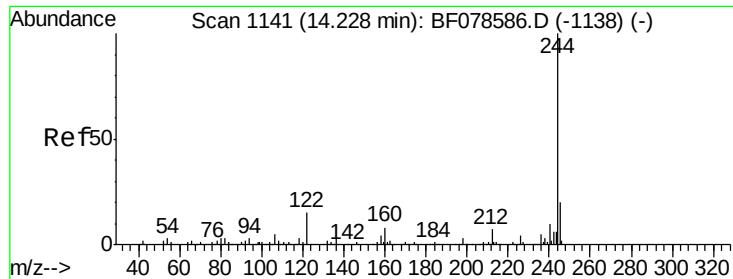
Delta R.T. 0.02 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Tgt Ion:	202	Resp:	297102
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.3	24.5
203	25.1	13.8	20.6#





#78

Terphenyl-d14

Concen: 42.53 ng

RT: 14.23 min Scan# 1141

Delta R.T. 0.02 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

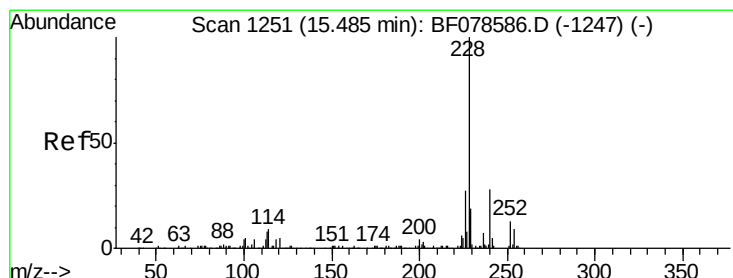
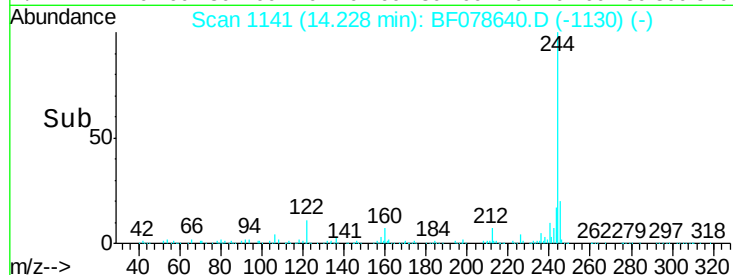
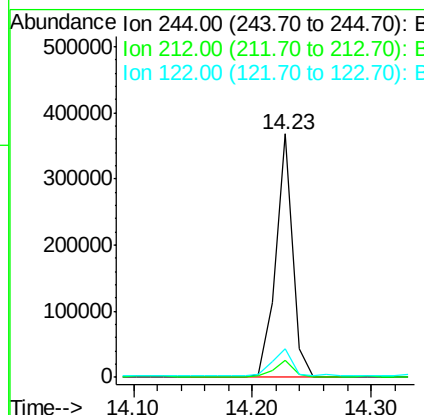
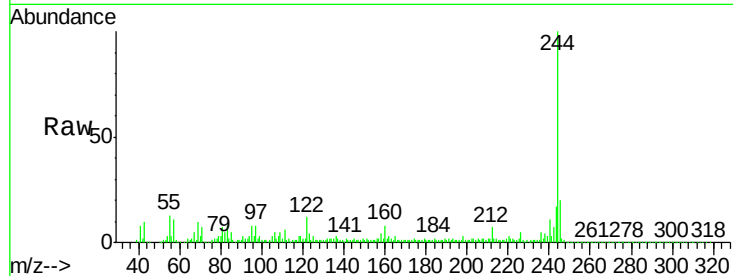
ClientSampleId :

LS-SB11A

Tot Ion:	244	Resp:	361990
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.0	7.4
122	11.6	7.1	10.7#

Manual Integrations
APPROVED

apatel
4/20/2015 3:58:08 PM



#80

Benzo(a)anthracene

Concen: 15.93 ng

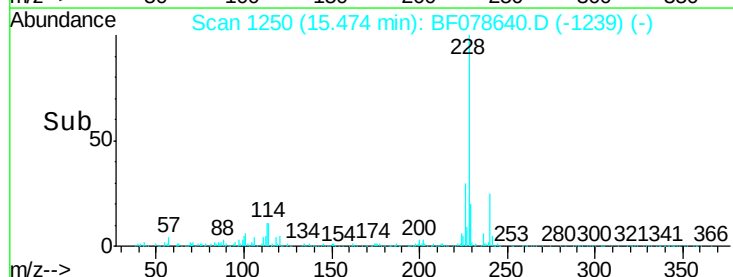
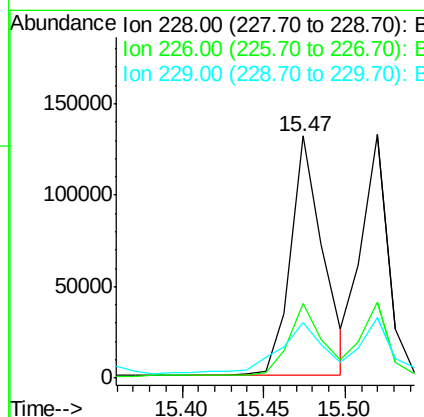
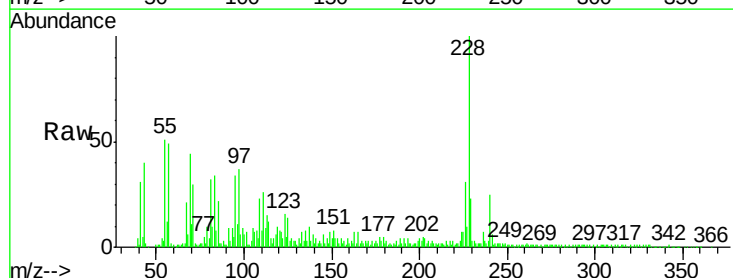
RT: 15.47 min Scan# 1250

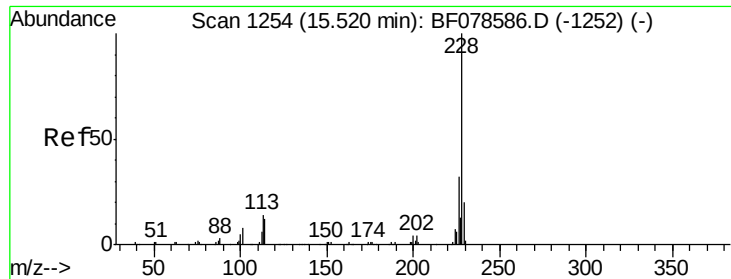
Delta R.T. 0.02 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Tgt Ion:	228	Resp:	182286
Ion Ratio	Lower	Upper	
228	100		
226	31.0	21.3	31.9
229	22.7	15.4	23.2





#82

Chrysene

Concen: 13.96 ng/mL

RT: 15.52 min Scan# 1254

Delta R.T. 0.02 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

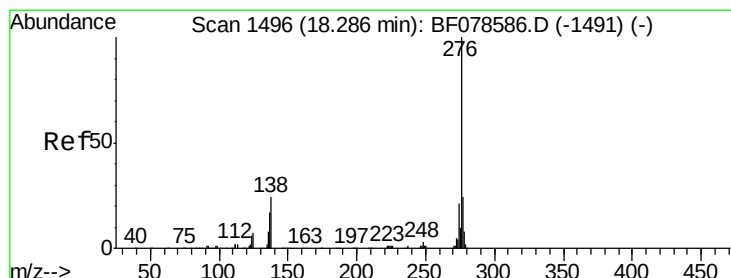
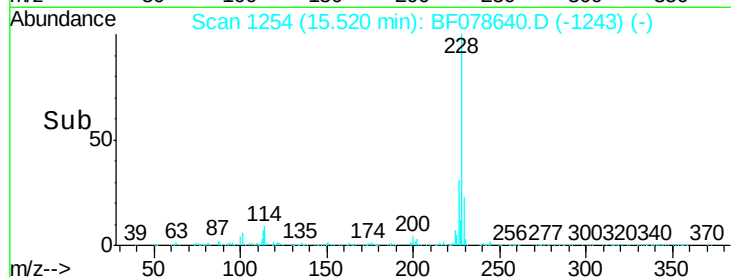
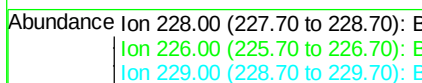
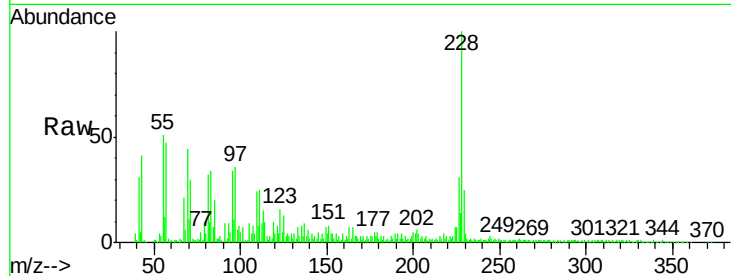
ClientSampled :

LS-SB11A

Tot Ion:	228	Resp:	150059
Ion Ratio	Lower	Upper	
228	100		
226	31.3	24.2	36.4
229	24.9	15.8	23.8

Manual Integrations
APPROVED

apatel
4/20/2015 3:58:08 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 18.11 ng/mL

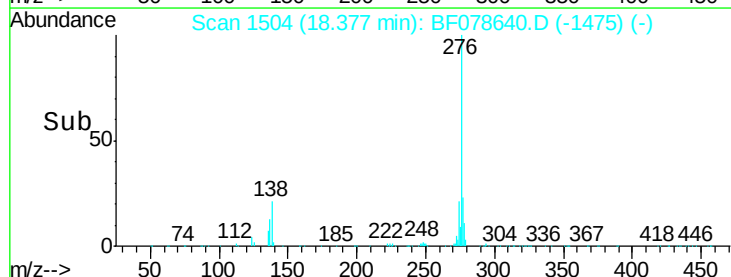
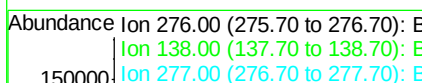
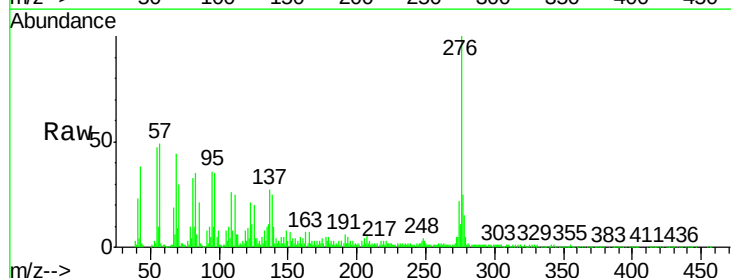
RT: 18.38 min Scan# 1504

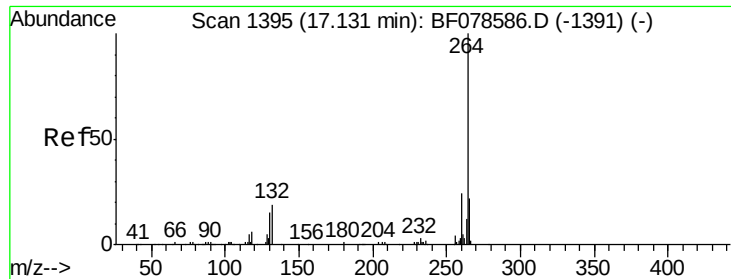
Delta R.T. 0.03 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Tgt Ion:	276	Resp:	220959
Ion Ratio	Lower	Upper	
276	100		
138	23.5	16.9	25.3
277	26.5	15.8	23.6





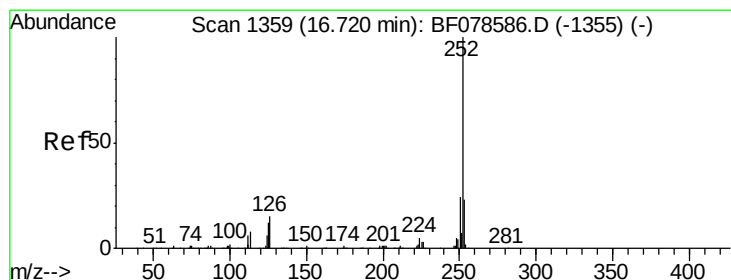
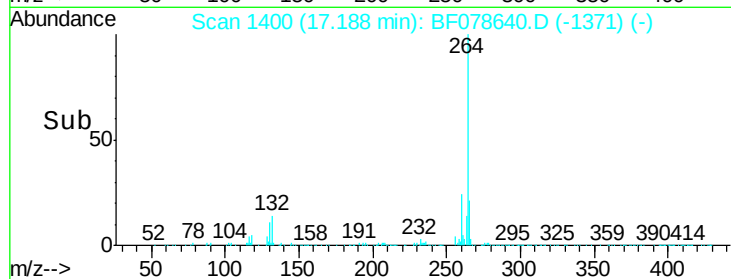
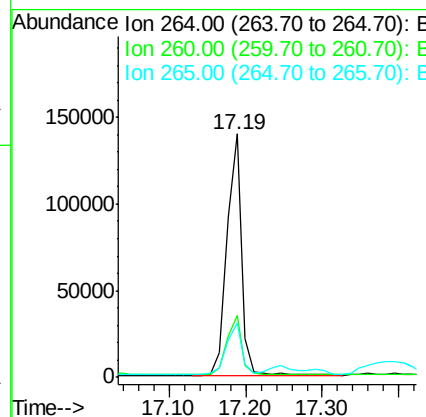
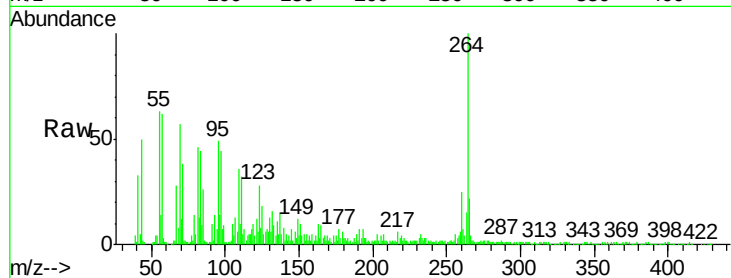
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.19 min Scan# 1400
Delta R.T. 0.03 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Instrument :
BNA_F
ClientSampleId :
LS-SB11A

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.6	27.8
265	22.2	17.0	25.6

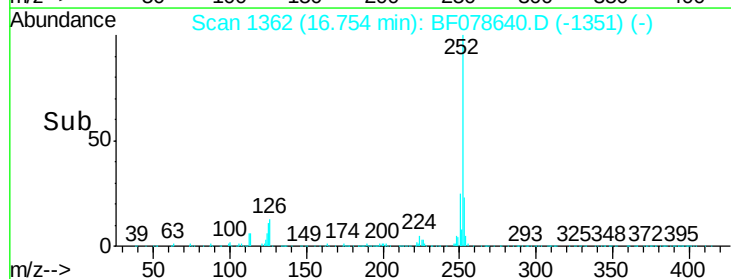
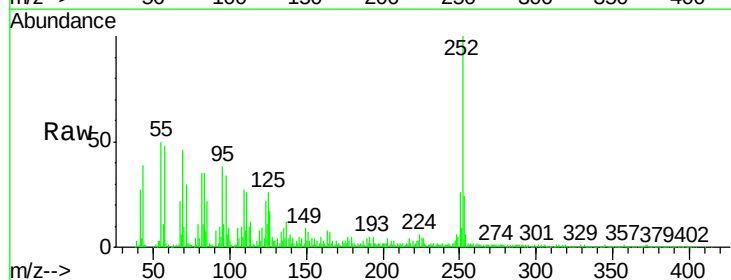
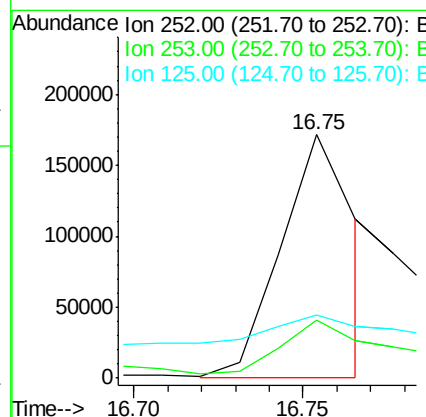
Manual Integrations
APPROVED

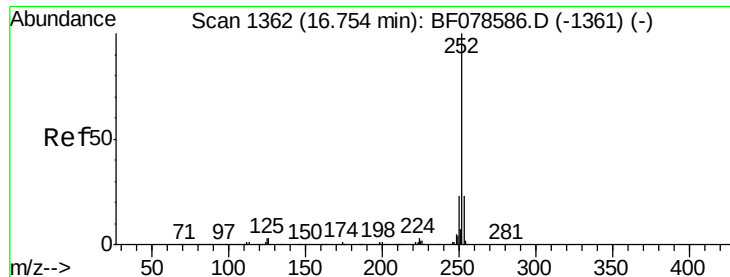
apatel
4/20/2015 3:58:08 PM



#87
Benzo(b)fluoranthene
Concen: 22.31 ng m
RT: 16.75 min Scan# 1362
Delta R.T. 0.02 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	25.8	7.0	10.4#





#88

Benzo(k)fluoranthene

Concen: 10.44 ng m

RT: 16.77 min Scan# 1363

Delta R.T. 0.01 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Instrument :

BNA_F

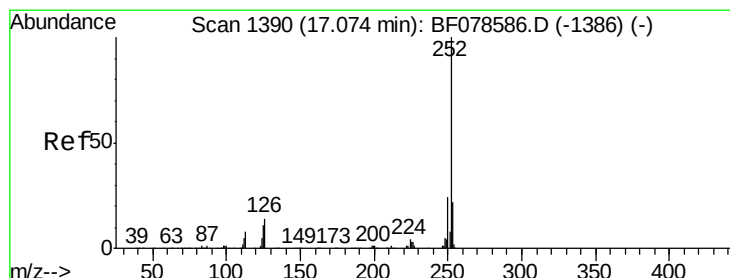
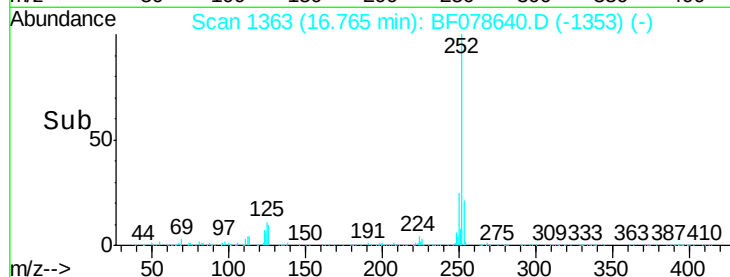
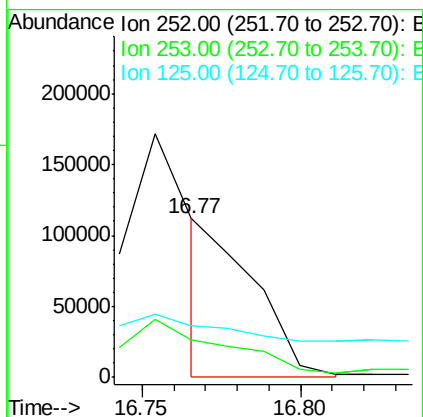
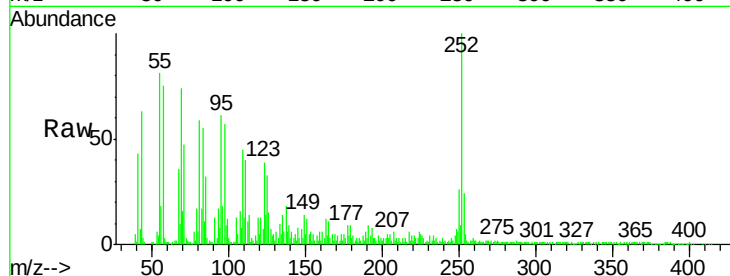
ClientSampleId :

LS-SB11A

Tot Ion:	252	Resp:	108903
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.5	26.3
125	32.6	11.6	17.4

Manual Integrations
APPROVED

apatel
4/20/2015 3:58:08 PM



#89

Benzo(a)pyrene

Concen: 21.70 ng

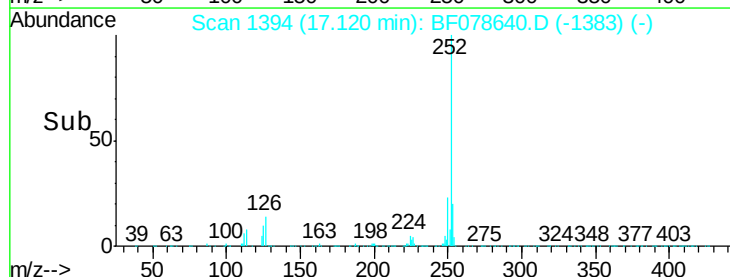
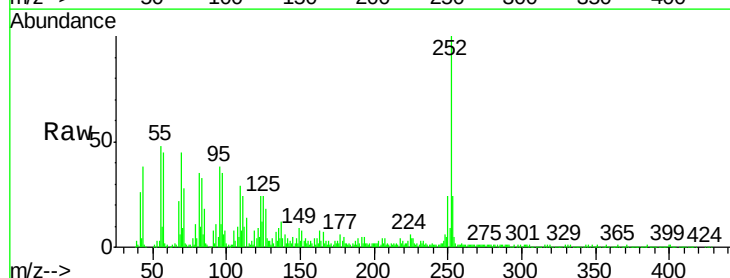
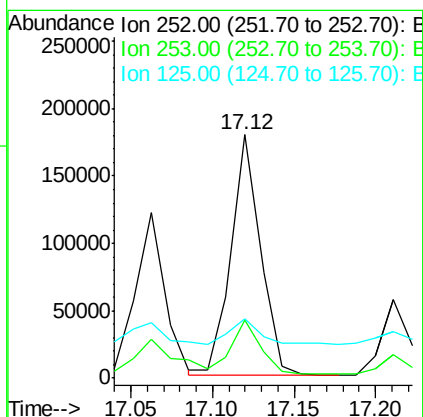
RT: 17.12 min Scan# 1394

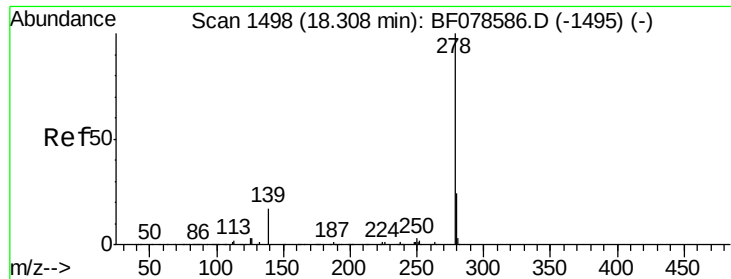
Delta R.T. 0.02 min

Lab File: BF078640.D

Acq: 18 Apr 2015 12:50

Tgt Ion:	252	Resp:	222250
Ion Ratio	Lower	Upper	
252	100		
253	23.8	16.8	25.2
125	24.3	7.4	11.0





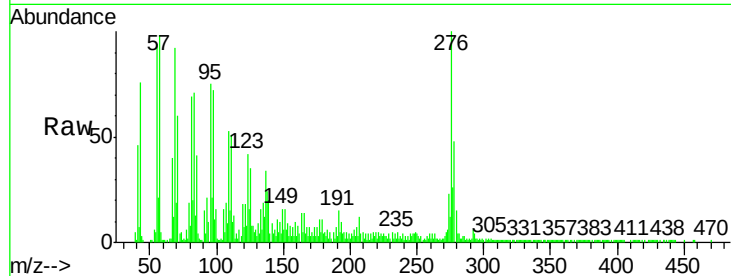
#90
Dibenzo(a,h)anthracene
Concen: 3.91 ng/mL
RT: 18.39 min Scan# 1505
Delta R.T. 0.02 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Instrument :
BNA_F
ClientSampleId :
LS-SB11A

Tot Ion	Ratio	Lower	Upper
278	100		
139	42.6	13.6	20.4
279	32.3	19.0	28.6

Manual Integrations
APPROVED

apatel
4/20/2015 3:58:08 PM

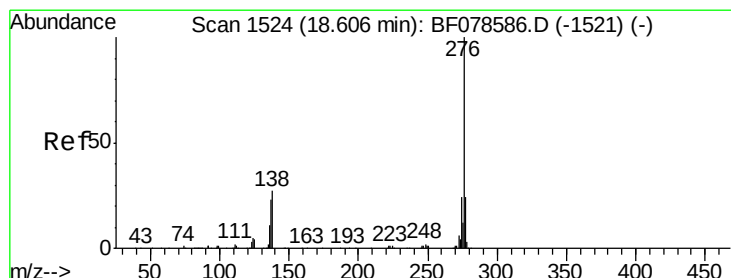
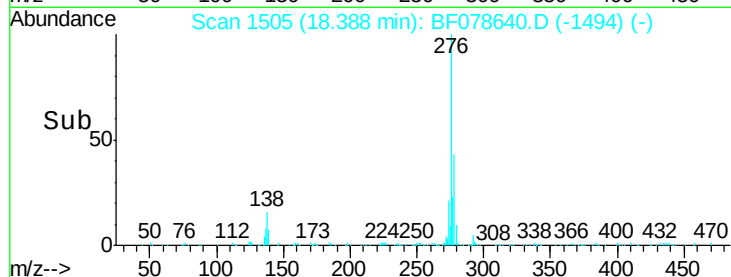
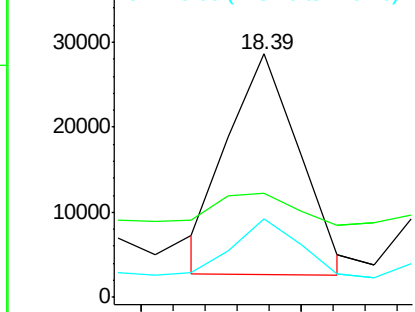


Abundance

Ion 278.00 (277.70 to 278.70): E

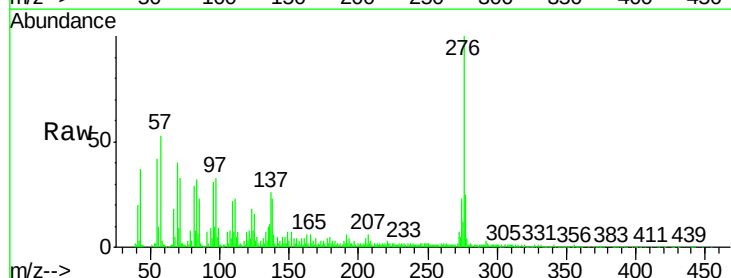
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 21.07 ng/mL
RT: 18.71 min Scan# 1533
Delta R.T. 0.05 min
Lab File: BF078640.D
Acq: 18 Apr 2015 12:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.0	28.4
138	23.0	19.9	29.9



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

