

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
 Data File : BF083908.D
 Acq On : 18 Dec 2015 10:23
 Operator : UM/SJ
 Sample : G4838-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC121515-LIQUID-POPH

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:22:10 PM

Quant Time: Dec 18 14:15:12 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 01:01:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	48572	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	193075	20.00	ng	0.01
38) Acenaphthene-d10	9.92	164	78799	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	116524	20.00	ng	0.01
75) Chrysene-d12	14.05	240	95836	20.00	ng	0.02
86) Perylene-d12	15.49	264	76775	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	167015	53.81	ng	0.01
7) Phenol-d6	6.53	99	131181	34.53	ng	0.02
23) Nitrobenzene-d5	7.45	82	241274	71.32	ng	0.01
41) 2,4,6-Tribromophenol	10.72	330	79445	91.52	ng	0.01
44) 2-Fluorobiphenyl	9.24	172	415145	72.25	ng	0.00
78) Terphenyl-d14	12.99	244	294454	70.79	ng	0.01

Target Compounds

						Qvalue
10) Phenol	6.54	94	21490	5.07	ng	86
17) 2-Methylphenol	7.15	107	11431	3.95	ng	# 83
20) 3+4-Methylphenols	7.30	107	47576	13.97	ng	# 50
27) 2,4-Dimethylphenol	7.84	122	40804	13.08	ng	93
31) Naphthalene	8.20	128	3101065	332.88	ng	97
37) 2-Methylnaphthalene	8.89	142	280600	41.81	ng	100
45) 1,1'-Biphenyl	9.34	154	36305	3.96	ng	95
48) Acenaphthylene	9.78	152	191254	20.82	ng	98
49) Dimethylphthalate	9.64	163	42211	6.38	ng	96
51) Acenaphthene	9.95	154	36293	6.43	ng	100
54) Dibenzofuran	10.12	168	42940	5.85	ng	# 89
57) Fluorene	10.46	166	66264	9.51	ng	99
70) Phenanthrene	11.42	178	173283	24.61	ng	99
71) Anthracene	11.48	178	62475	9.18	ng	99
72) Carbazole	11.64	167	36487	5.43	ng	98
74) Fluoranthene	12.61	202	88510	12.60	ng	97
77) Pyrene	12.84	202	122198	20.26	ng	98
80) Benzo(a)anthracene	14.04	228	58203	9.88	ng	# 87
82) Chrysene	14.08	228	57530m	10.11	ng	
83) Bis(2-ethylhexyl)phthalate	14.03	149	8772	2.06	ng	# 64
85) Indeno(1,2,3-cd)pyrene	16.93	276	20389	4.79	ng	96
87) Benzo(b)fluoranthene	15.08	252	48233m	8.62	ng	
88) Benzo(k)fluoranthene	15.11	252	14779m	3.20	ng	
89) Benzo(a)pyrene	15.44	252	24478	5.30	ng	# 84
91) Benzo(g,h,i)perylene	17.37	276	21854	6.20	ng	96

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

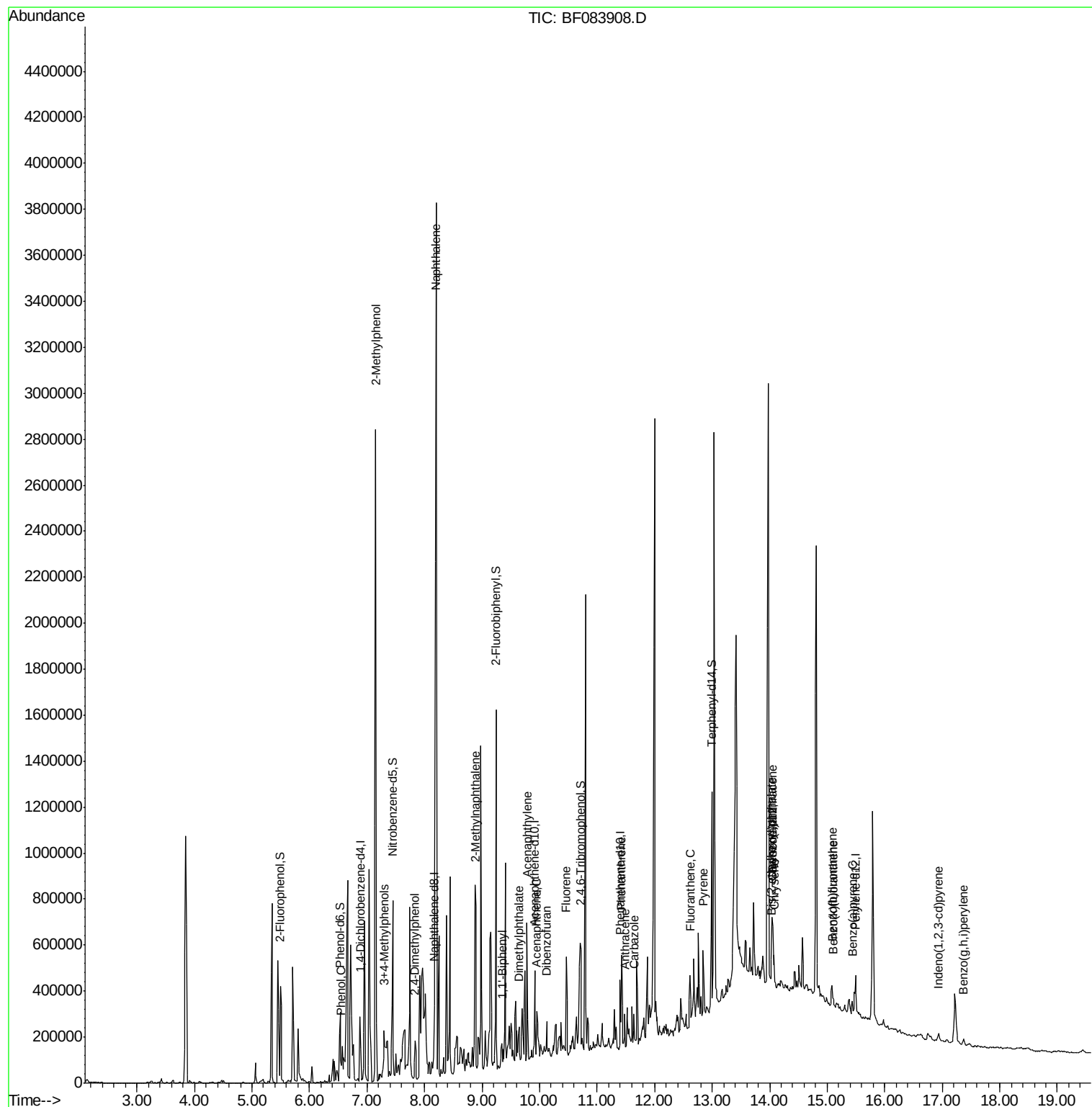
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
Data File : BF083908.D
Acq On : 18 Dec 2015 10:23
Operator : UM/SJ
Sample : G4838-01
Misc :
ALS Vial : 33 Sample Multiplier: 1

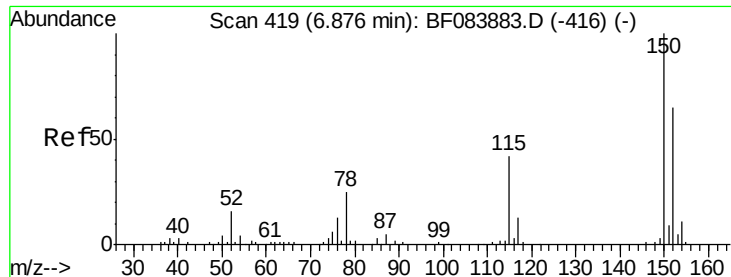
Instrument :
BNA_F
ClientSampleId :
WC121515-LIQUID-POPH

Manual Integrations
APPROVED

MMdadoda
12/18/2015 6:22:10 PM

Quant Time: Dec 18 14:15:12 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 01:01:02 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.00 min

Lab File: BF083908.D

Acq: 18 Dec 2015 10:23

Instrument :

BNA_F

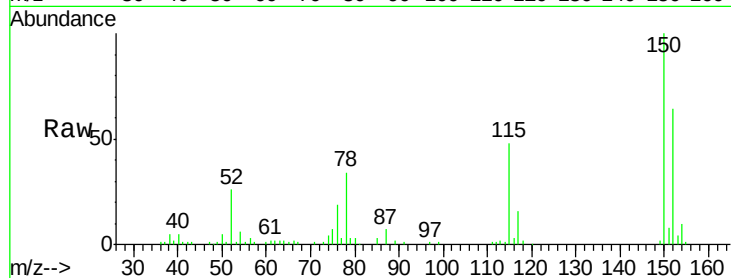
ClientSampleId :

WC121515-LIQUID-POPH

Manual Integrations
APPROVED

MMdadoda
12/18/2015 6:22:10 PM

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.4	123.0	184.4
115	75.1	51.4	77.2

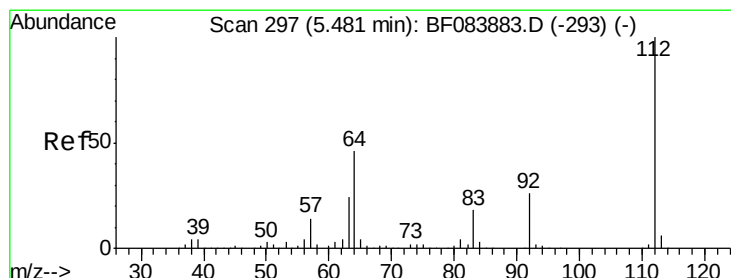
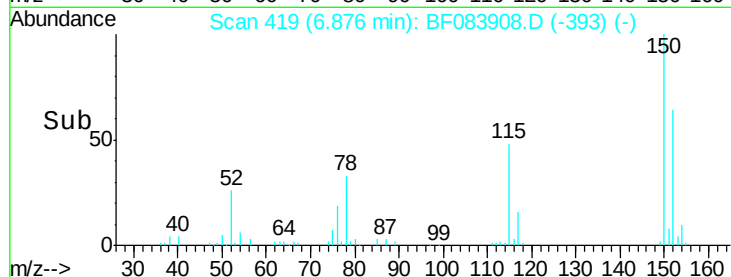
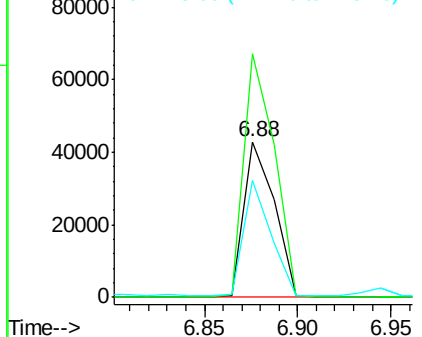


Abundance

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: 53.81 ng

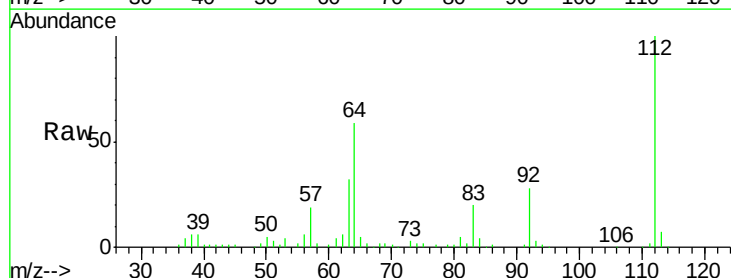
RT: 5.49 min Scan# 298

Delta R.T. 0.01 min

Lab File: BF083908.D

Acq: 18 Dec 2015 10:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	36.6	55.0#
63	32.4	19.4	29.0#

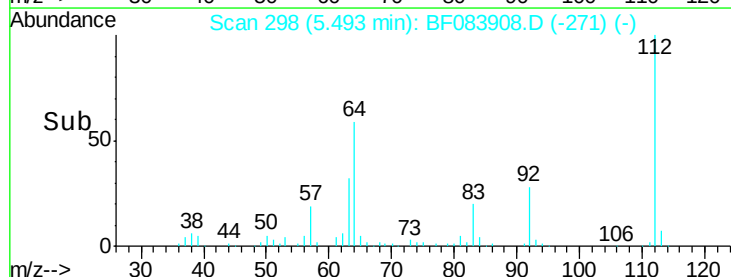
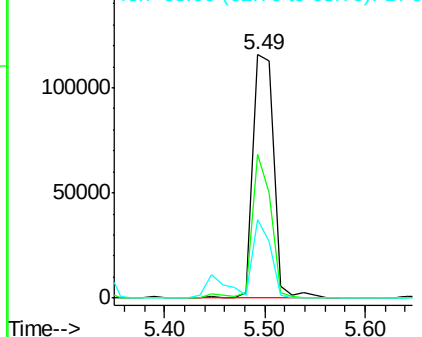


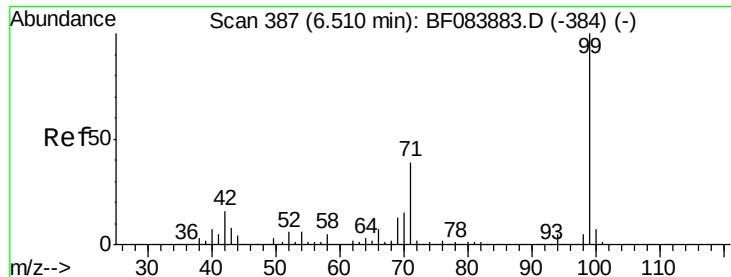
Abundance

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: 34.53 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.02 min

Lab File: BF083908.D

Acq: 18 Dec 2015 10:23

Instrument :

BNA_F

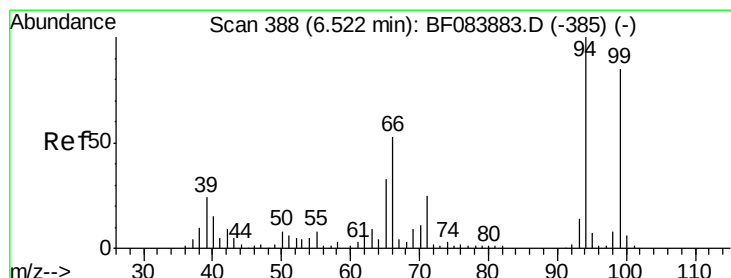
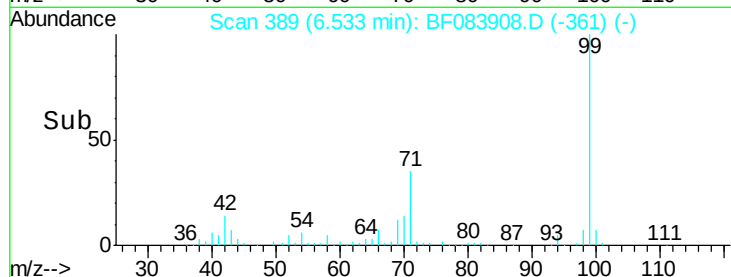
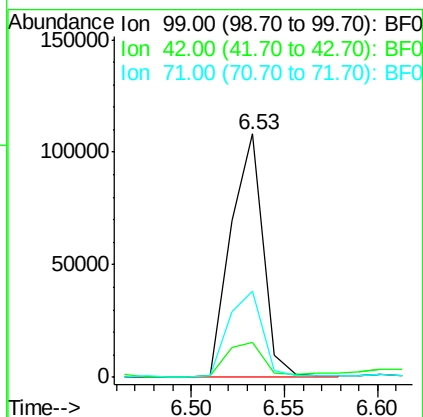
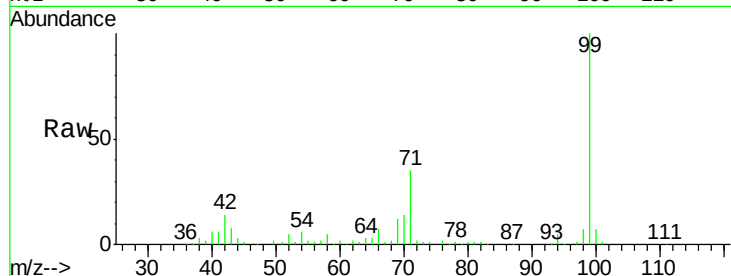
ClientSampleId :

WC121515-LIQUID-POPH

Tgt Ion:	99	Resp:	131181
Ion Ratio	Lower	Upper	
99	100		
42	14.3	12.8	19.2
71	35.5	30.9	46.3

Manual Integrations
APPROVED

MMdadoda
12/18/2015 6:22:10 PM



#10

Phenol

Concen: 5.07 ng

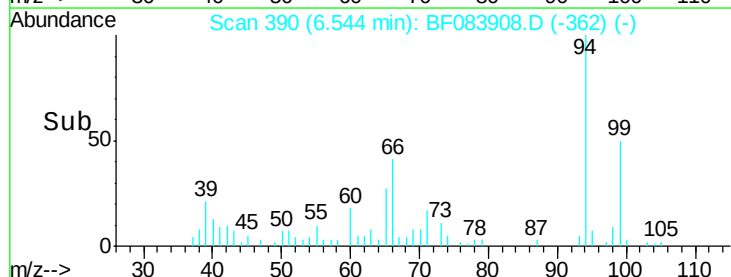
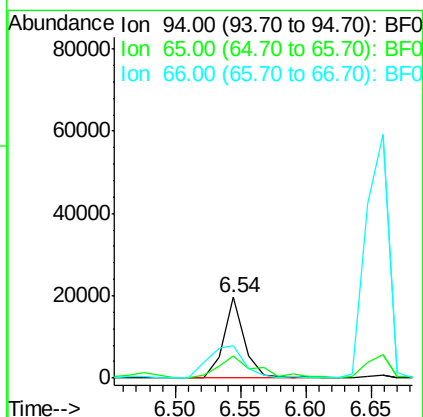
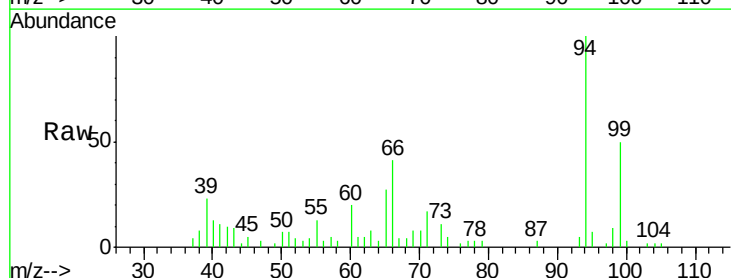
RT: 6.54 min Scan# 390

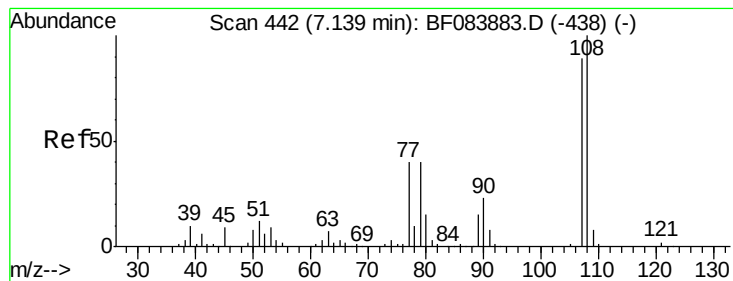
Delta R.T. 0.02 min

Lab File: BF083908.D

Acq: 18 Dec 2015 10:23

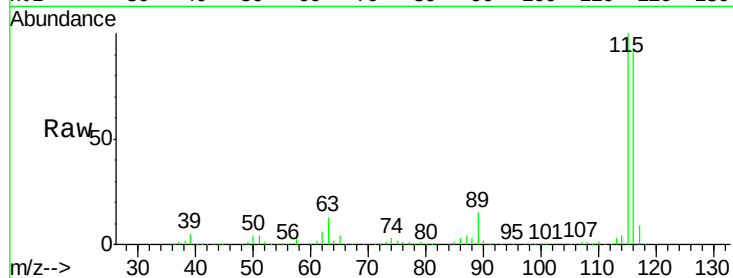
Tgt Ion:	94	Resp:	21490
Ion Ratio	Lower	Upper	
94	100		
65	27.1	12.9	52.9
66	40.8	32.7	72.7





#17
2-Methylphenol
Concen: 3.95 ng
RT: 7.15 min Scan# 443
Delta R.T. 0.01 min
Lab File: BF083908.D
Acq: 18 Dec 2015 10:23

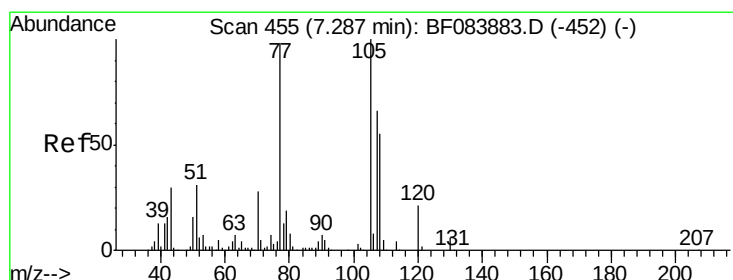
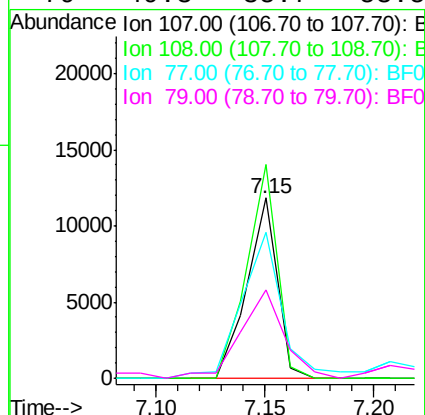
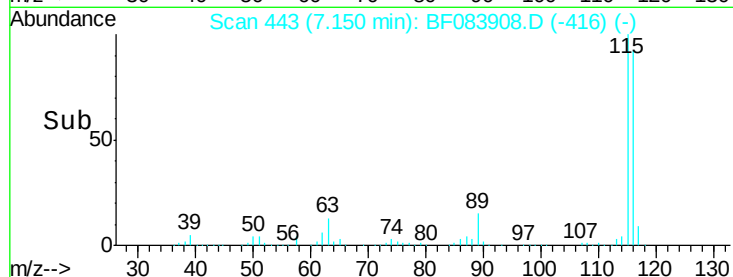
Instrument :
BNA_F
ClientSampleId :
WC121515-LIQUID-POPH



Tgt Ion	Ratio	Resp	Lower	Upper
107	100	11431		
108	118.5	89.8	134.6	
77	80.7	35.7	53.5	
79	49.3	35.7	53.5	

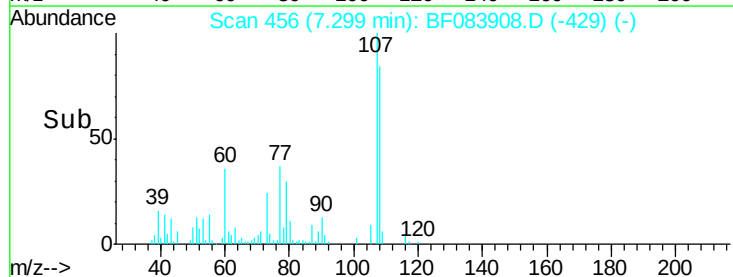
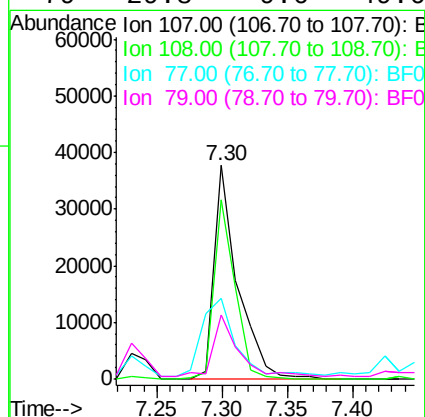
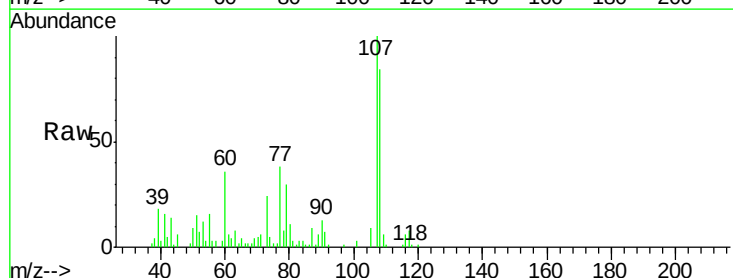
Manual Integrations
APPROVED

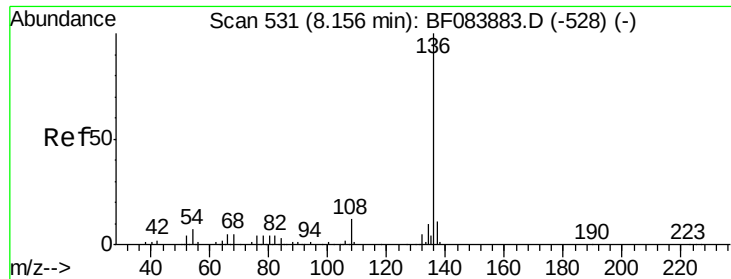
MMdadoda
12/18/2015 6:22:10 PM



#20
3+4-Methylphenols
Concen: 13.97 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.01 min
Lab File: BF083908.D
Acq: 18 Dec 2015 10:23

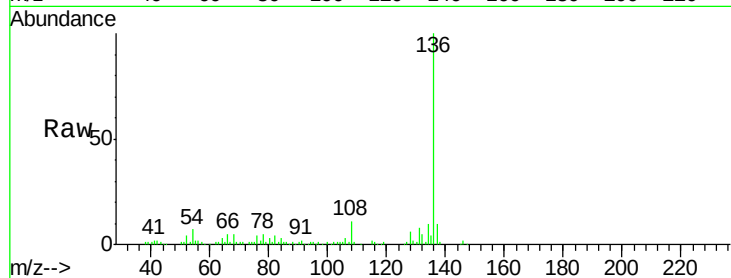
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	47576		
108	84.1	64.1	104.1	
77	38.0	128.9	168.9	
79	29.8	9.6	49.6	





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.17 min Scan# 532
Delta R.T. 0.01 min
Lab File: BF083908.D
Acq: 18 Dec 2015 10:23

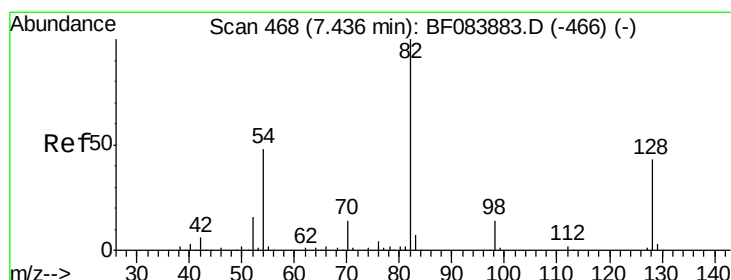
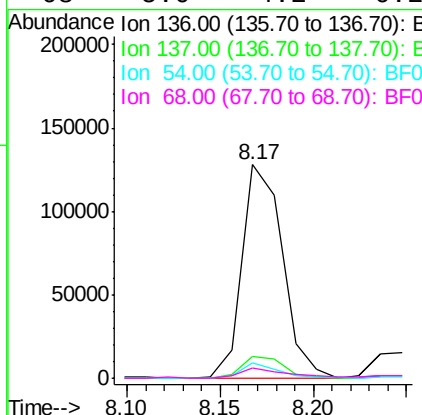
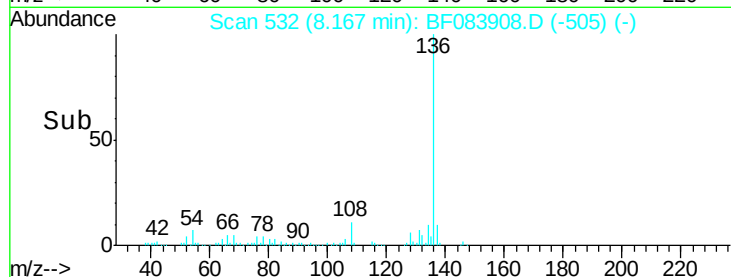
Instrument :
BNA_F
ClientSampleId :
WC121515-LIQUID-POPH



Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	10.3	8.7	13.1
54	7.0	5.8	8.8
68	5.0	4.2	6.2

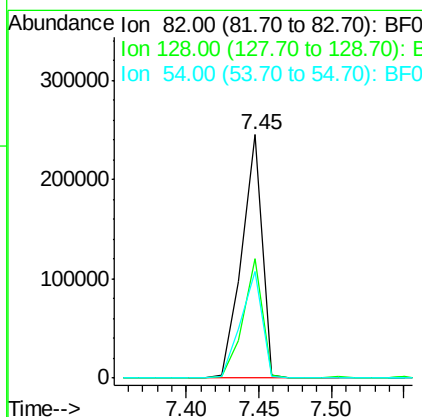
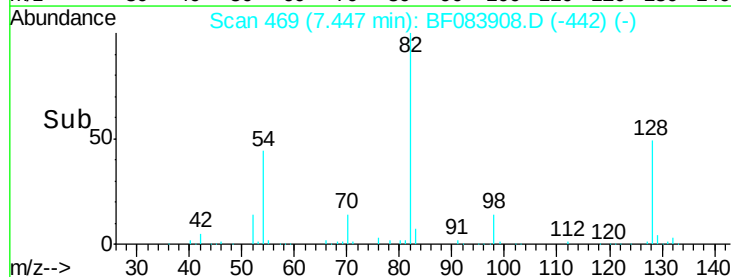
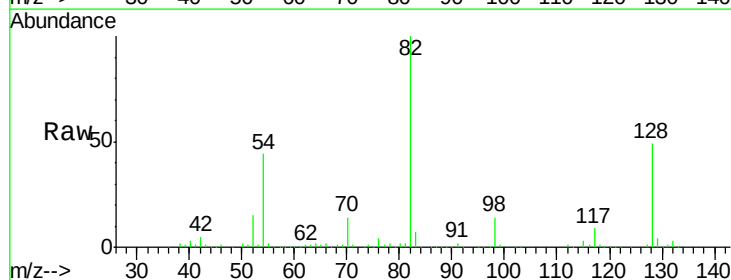
Manual Integrations
APPROVED

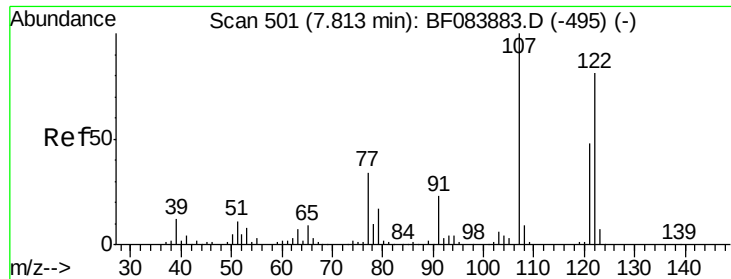
MMdadoda
12/18/2015 6:22:10 PM



#23
Nitrobenzene-d5
Concen: 71.32 ng
RT: 7.45 min Scan# 469
Delta R.T. 0.01 min
Lab File: BF083908.D
Acq: 18 Dec 2015 10:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	49.3	34.6	51.8
54	43.9	38.4	57.6





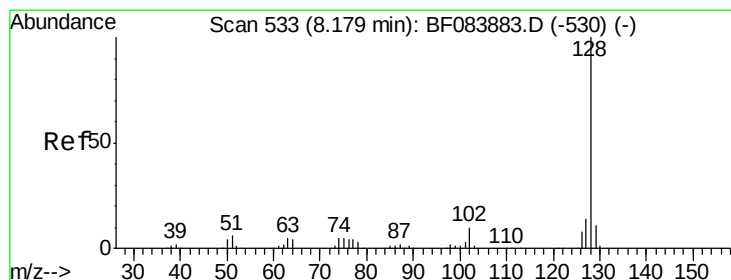
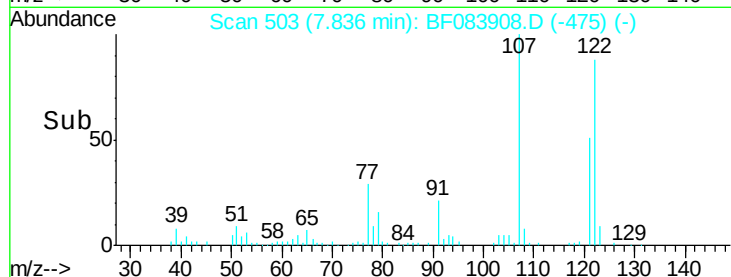
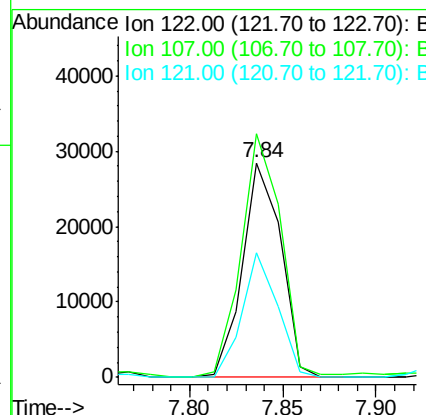
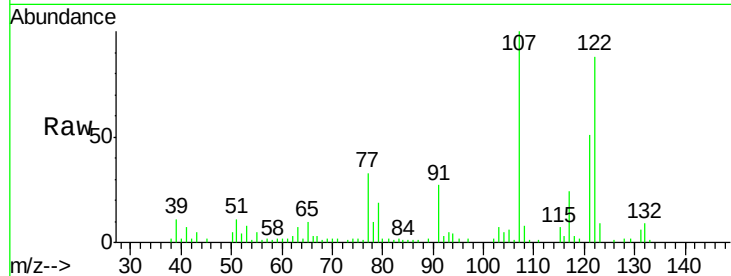
#27
2,4-Dimethylphenol
Concen: 13.08 ng
RT: 7.84 min Scan# 503
Delta R.T. 0.02 min
Lab File: BF083908.D
Acq: 18 Dec 2015 10:23

Instrument :
BNA_F
ClientSampleId :
WC121515-LIQUID-POPH

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	40804		
107	113.7	99.1	148.7	
121	58.4	47.9	71.9	

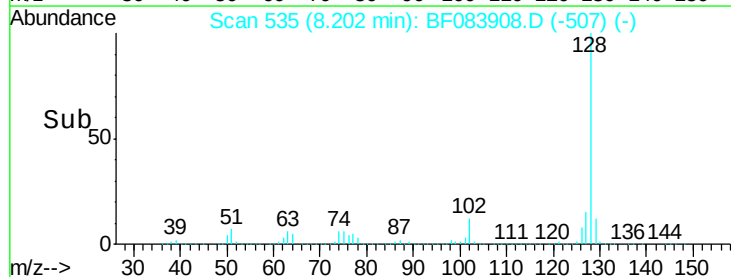
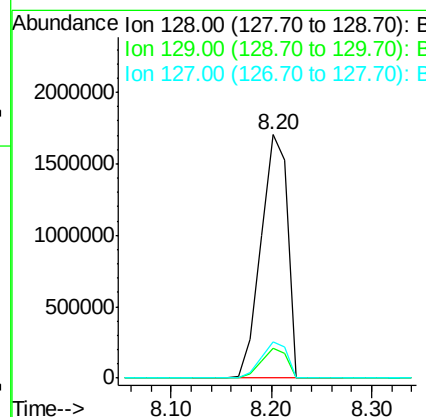
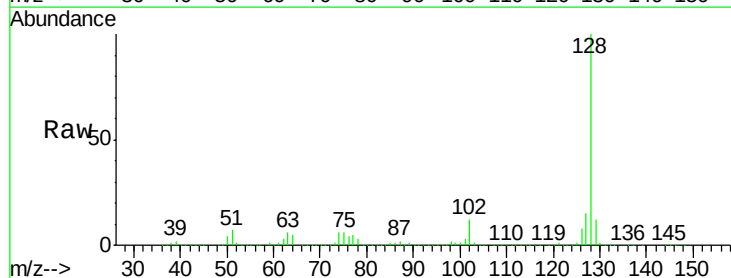
Manual Integrations
APPROVED

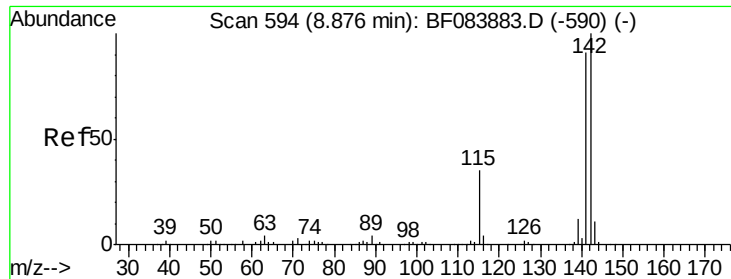
MMdadoda
12/18/2015 6:22:10 PM



#31
Naphthalene
Concen: 332.88 ng
RT: 8.20 min Scan# 535
Delta R.T. 0.02 min
Lab File: BF083908.D
Acq: 18 Dec 2015 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	3101065		
129	12.4	9.1	13.7	
127	14.9	11.1	16.7	





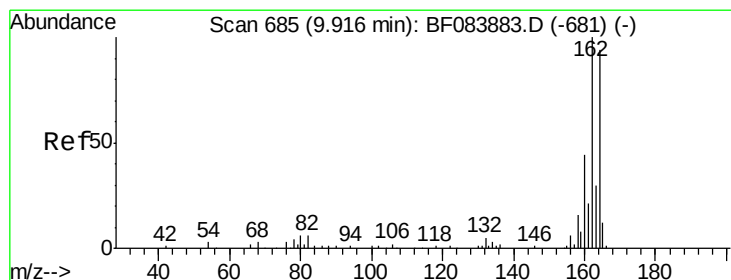
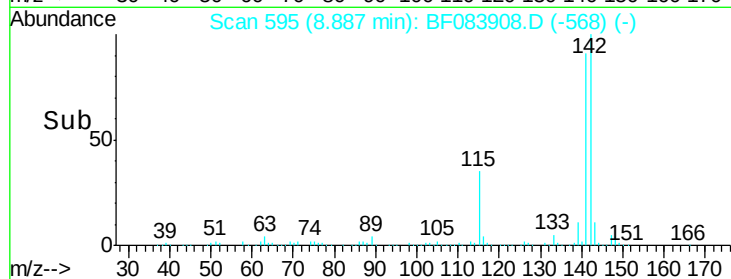
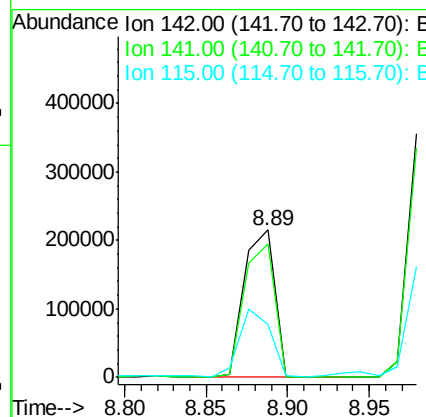
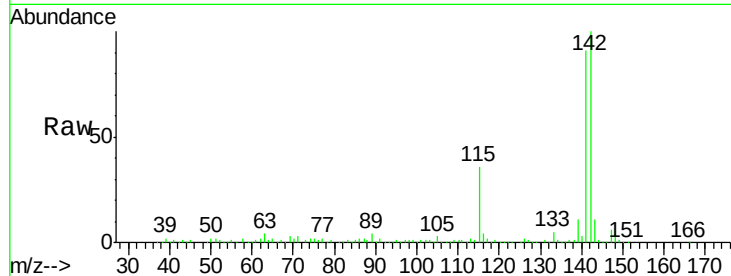
#37
 2-Methylnaphthalene
 Concen: 41.81 ng
 RT: 8.89 min Scan# 595
 Delta R.T. 0.01 min
 Lab File: BF083908.D
 Acq: 18 Dec 2015 10:23

Instrument :
 BNA_F
 ClientSampleId :
 WC121515-LIQUID-POPH

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	280600		
141	90.5	72.4	108.6	
115	35.6	27.9	41.9	

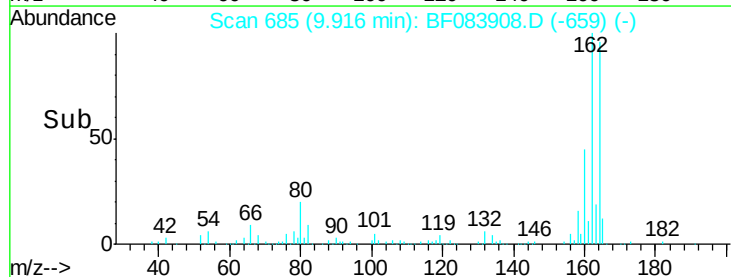
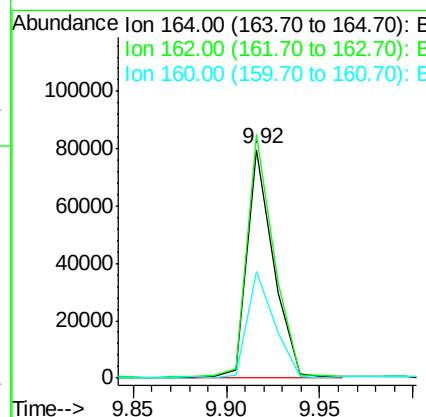
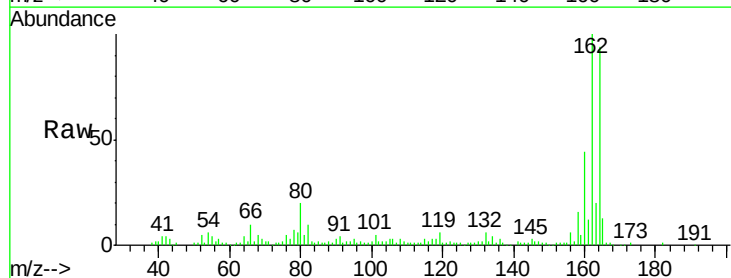
Manual Integrations
 APPROVED

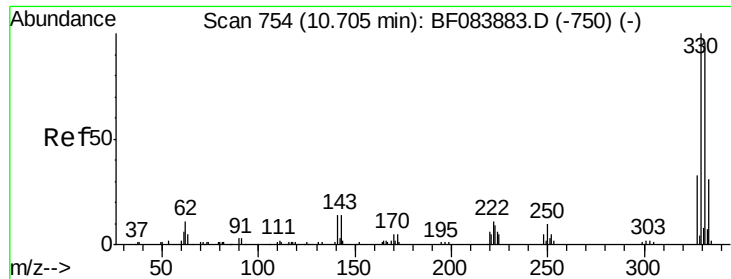
MMdadoda
 12/18/2015 6:22:10 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: BF083908.D
 Acq: 18 Dec 2015 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	78799		
162	106.4	85.1	127.7	
160	46.6	37.5	56.3	





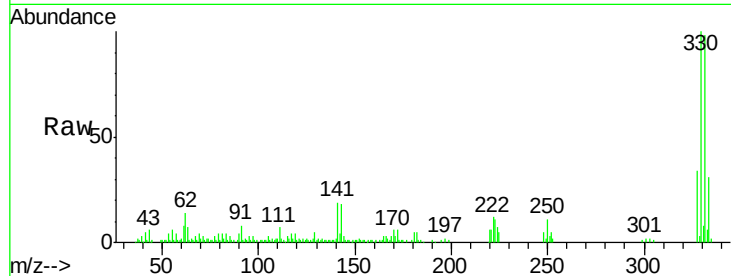
#41
 2,4,6-Tribromophenol
 Concen: 91.52 ng
 RT: 10.72 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: BF083908.D
 Acq: 18 Dec 2015 10:23

Instrument :
 BNA_F
 ClientSampleId :
 WC121515-LIQUID-POPH

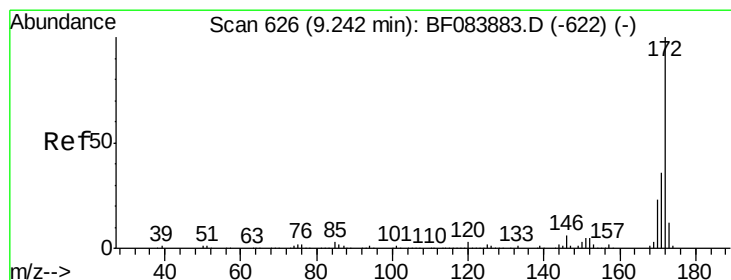
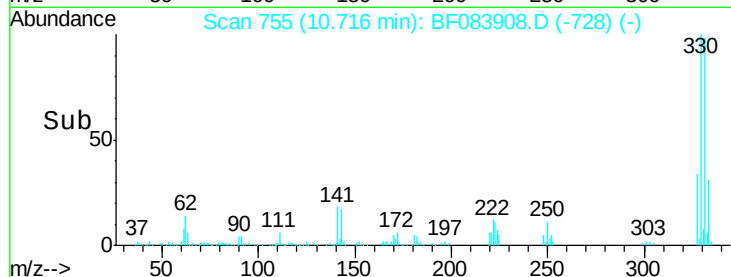
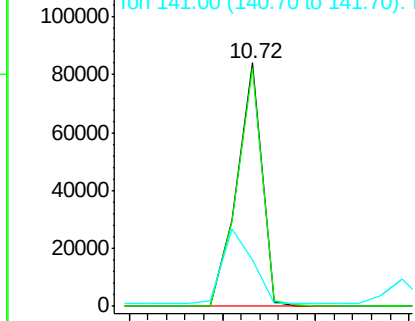
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	79445		
332	98.4	76.6	114.8	
141	37.8	27.8	41.6	

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:22:10 PM

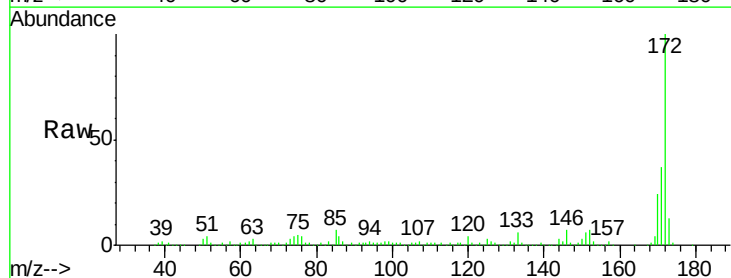


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

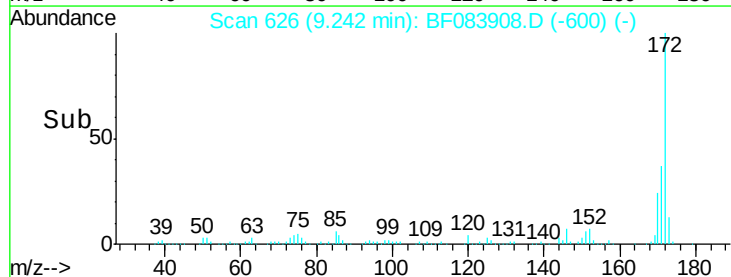
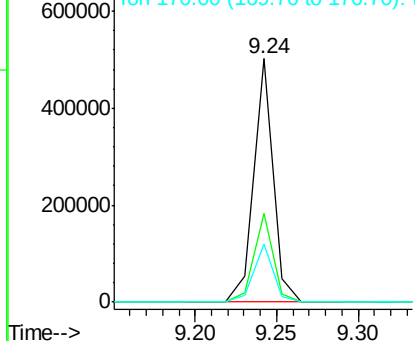


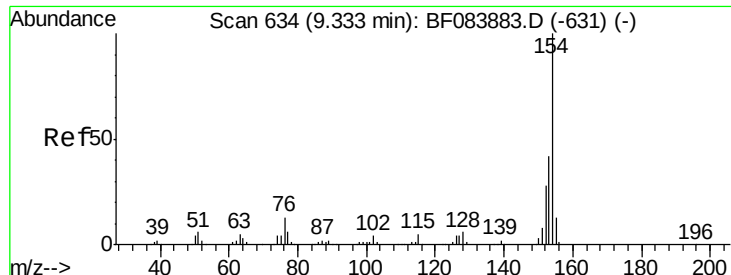
#44
 2-Fluorobiphenyl
 Concen: 72.25 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF083908.D
 Acq: 18 Dec 2015 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	415145		
171	36.5	28.9	43.3	
170	23.7	18.6	27.8	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





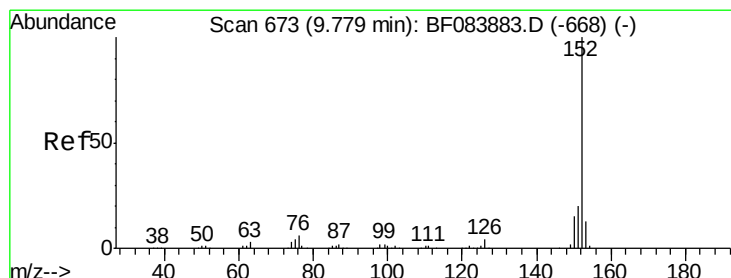
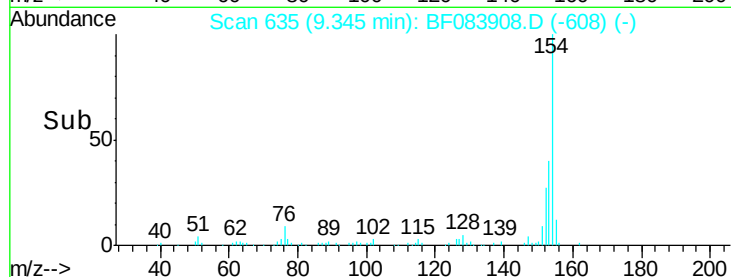
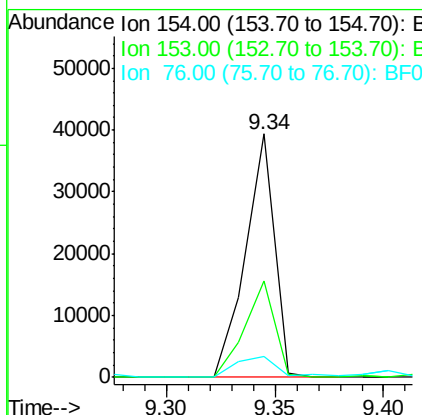
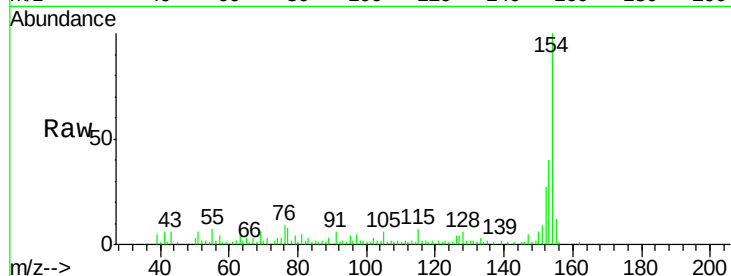
#45
1,1'-Biphenyl
Concen: 3.96 ng
RT: 9.34 min Scan# 635
Delta R.T. 0.01 min
Lab File: BF083908.D
Acq: 18 Dec 2015 10:23

Instrument :
BNA_F
ClientSampleId :
WC121515-LIQUID-POPH

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	39.6	21.6	61.6
76	8.8	0.0	32.7

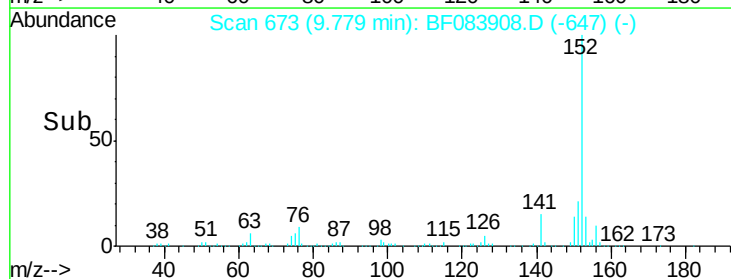
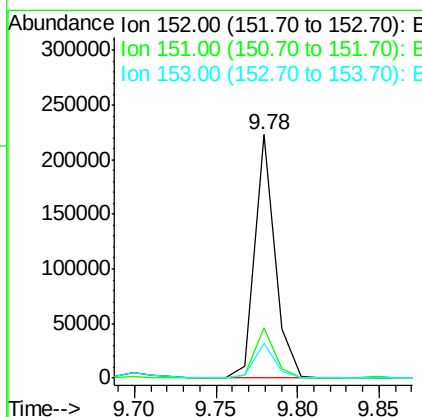
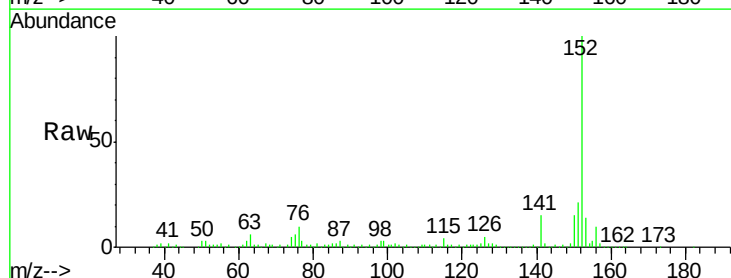
Manual Integrations
APPROVED

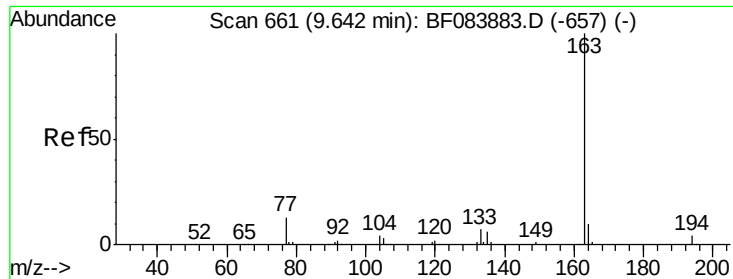
MMdadoda
12/18/2015 6:22:10 PM



#48
Acenaphthylene
Concen: 20.82 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.00 min
Lab File: BF083908.D
Acq: 18 Dec 2015 10:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	20.7	16.3	24.5
153	14.4	10.4	15.6





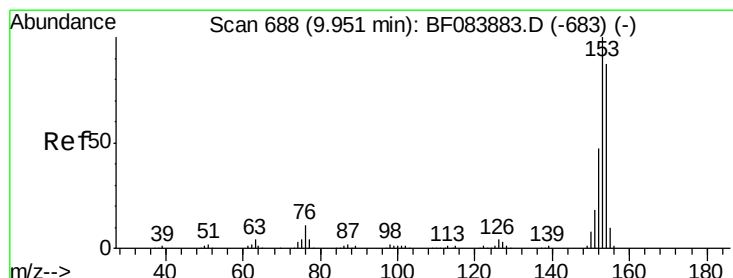
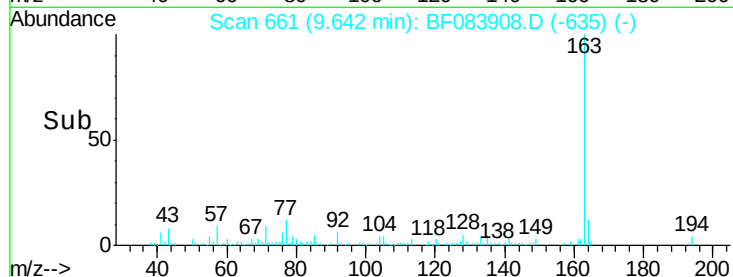
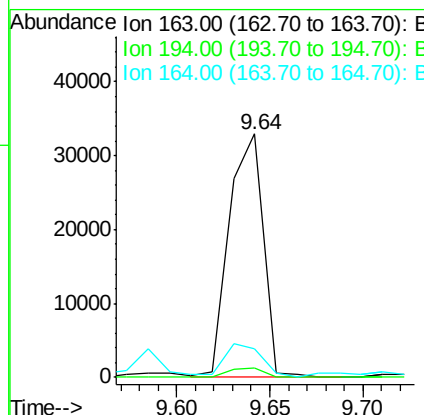
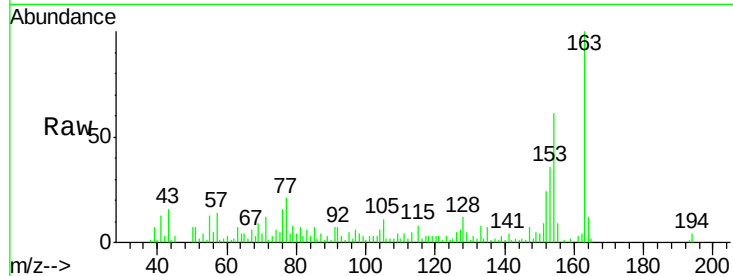
#49
Dimethylphthalate
Concen: 6.38 ng
RT: 9.64 min Scan# 661
Delta R.T. -0.00 min
Lab File: BF083908.D
Acq: 18 Dec 2015 10:23

Instrument :
BNA_F
ClientSampleId :
WC121515-LIQUID-POPH

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	42211		
194	4.0		3.0	4.6
164	11.7		7.9	11.9

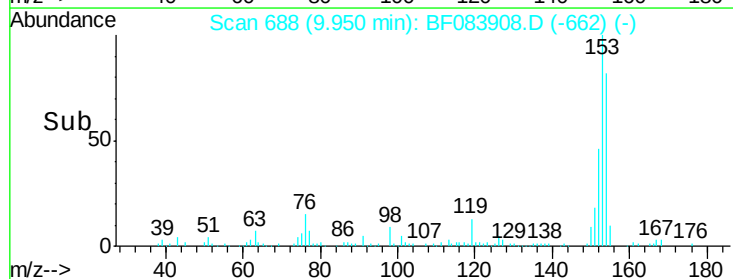
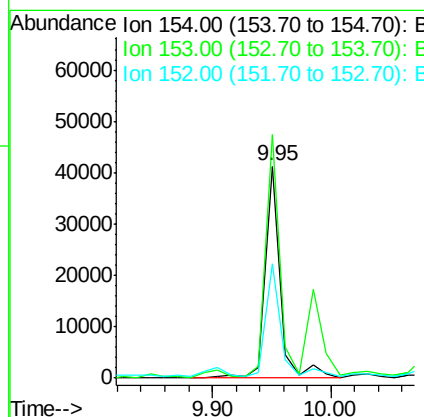
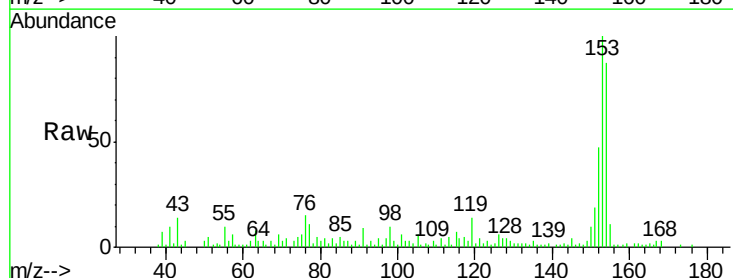
Manual Integrations
APPROVED

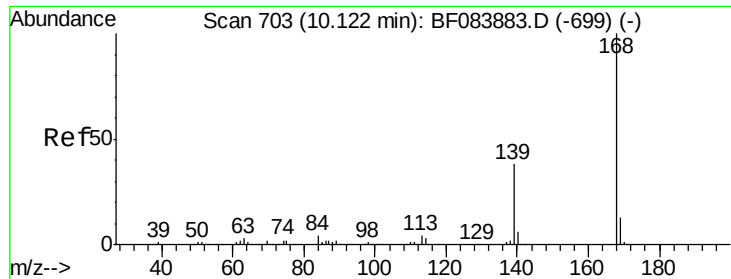
MMdadoda
12/18/2015 6:22:10 PM



#51
Acenaphthene
Concen: 6.43 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.00 min
Lab File: BF083908.D
Acq: 18 Dec 2015 10:23

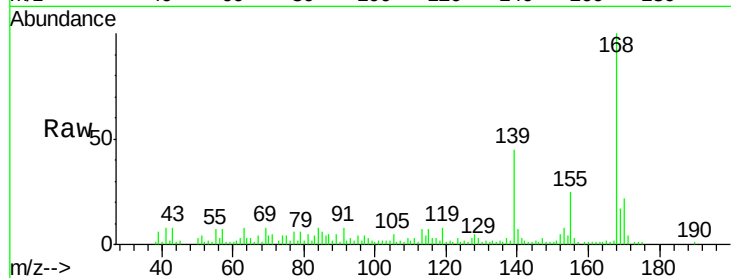
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	36293		
153	114.9		91.5	137.3
152	54.1		43.0	64.6





#54
Dibenzenofuran
Concen: 5.85 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.00 min
Lab File: BF083908.D
Acq: 18 Dec 2015 10:23

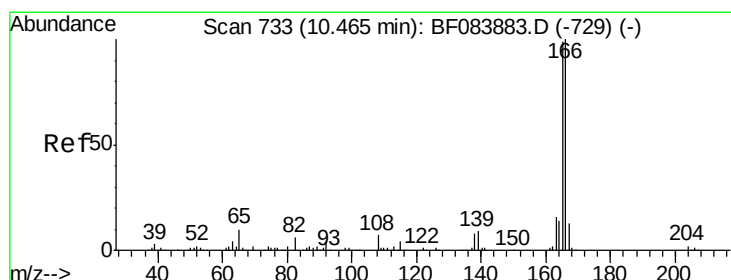
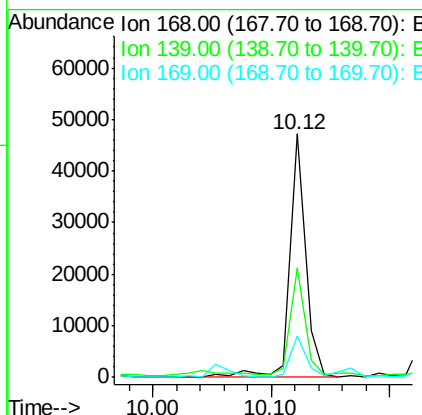
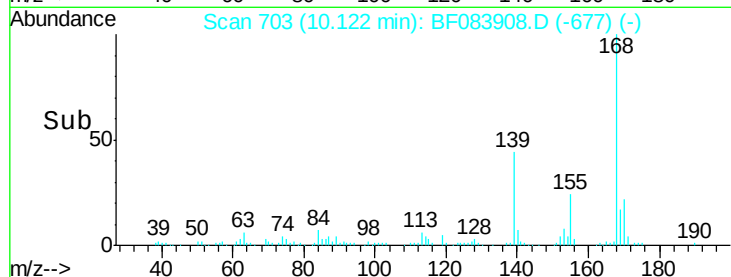
Instrument :
BNA_F
ClientSampleId :
WC121515-LIQUID-POPH



Tgt Ion	Ratio	Lower	Upper
168	100		
139	44.7	30.5	45.7
169	16.8	10.4	15.6

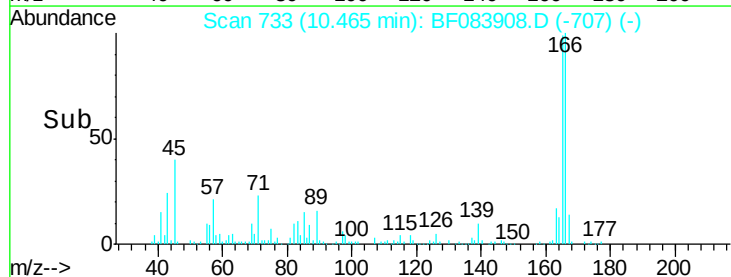
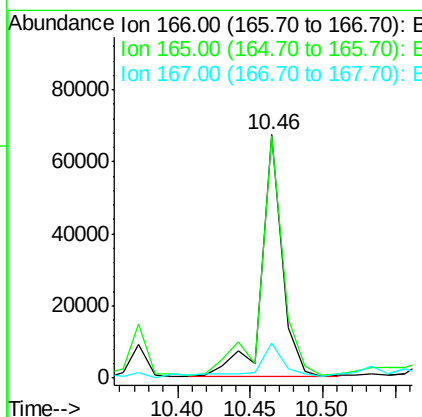
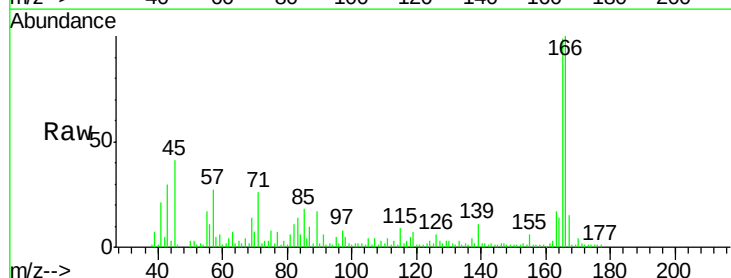
Manual Integrations
APPROVED

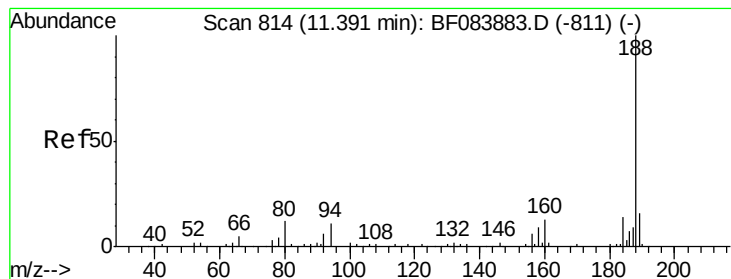
MMdadoda
12/18/2015 6:22:10 PM



#57
Fluorene
Concen: 9.51 ng
RT: 10.46 min Scan# 733
Delta R.T. 0.00 min
Lab File: BF083908.D
Acq: 18 Dec 2015 10:23

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.1	118.7
167	14.6	10.4	15.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 815

Delta R.T. 0.01 min

Lab File: BF083908.D

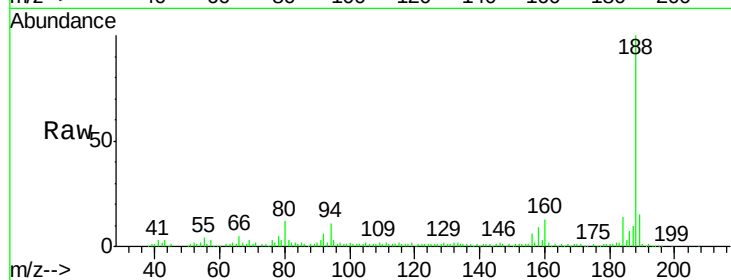
Acq: 18 Dec 2015 10:23

Instrument :

BNA_F

ClientSampleId :

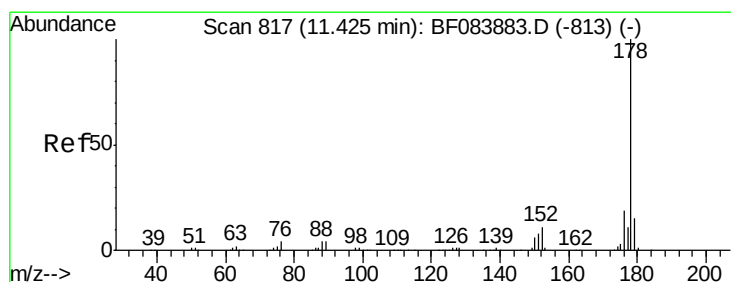
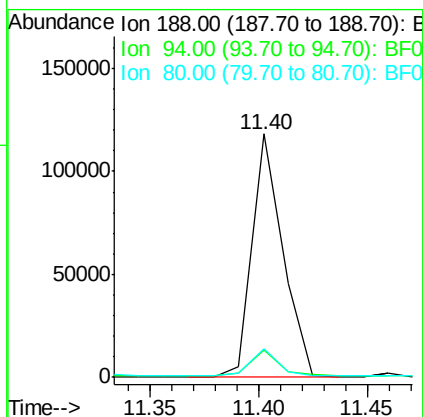
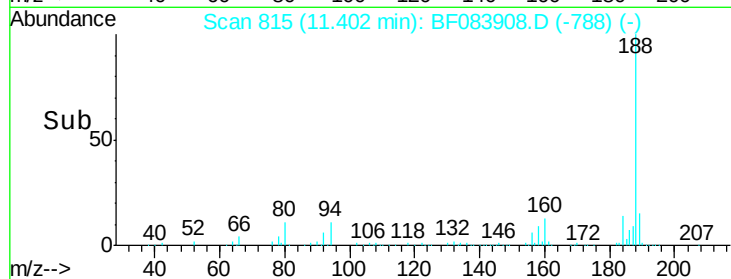
WC121515-LIQUID-POPH



Tgt Ion	Ratio	Resp	Lower	Upper
188	100	116524		
94	11.2	9.0	13.4	
80	11.8	9.6	14.4	

Manual Integrations
APPROVED

MMdadoda
12/18/2015 6:22:10 PM



#70

Phenanthrene

Concen: 24.61 ng

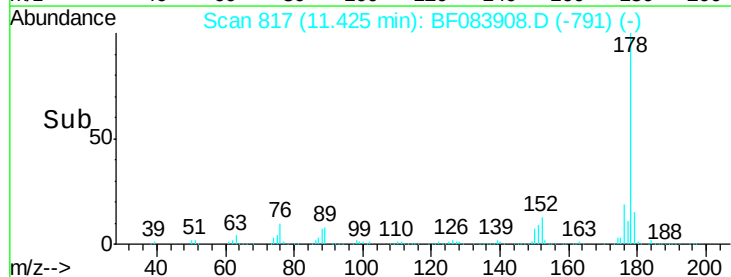
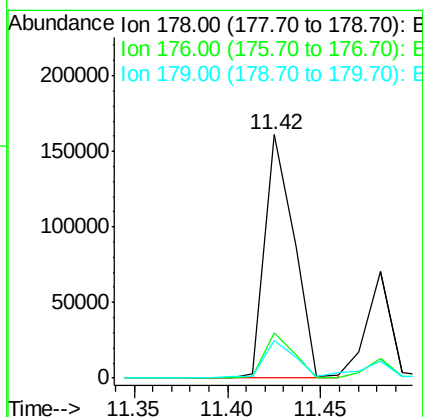
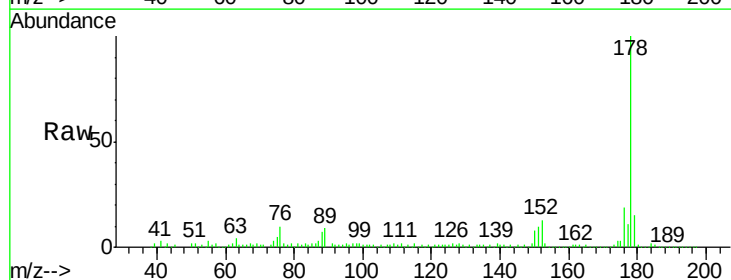
RT: 11.42 min Scan# 817

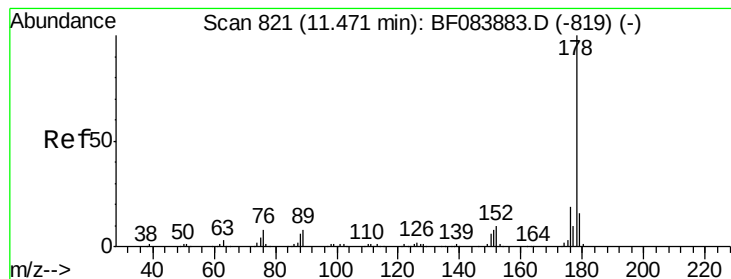
Delta R.T. -0.00 min

Lab File: BF083908.D

Acq: 18 Dec 2015 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	173283		
176	18.8	15.3	22.9	
179	15.5	12.0	18.0	





#71

Anthracene

Concen: 9.18 ng

RT: 11.48 min Scan# 822

Delta R.T. 0.01 min

Lab File: BF083908.D

Acq: 18 Dec 2015 10:23

Instrument :

BNA_F

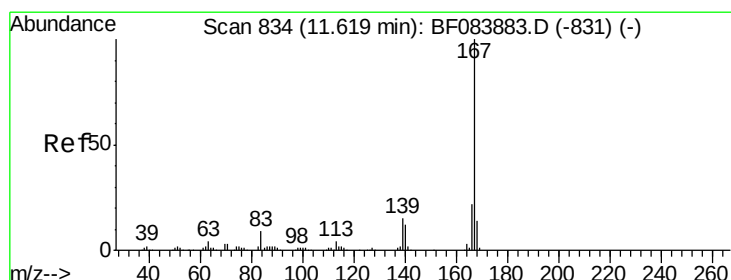
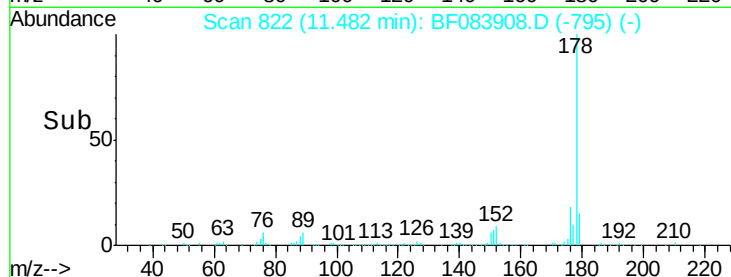
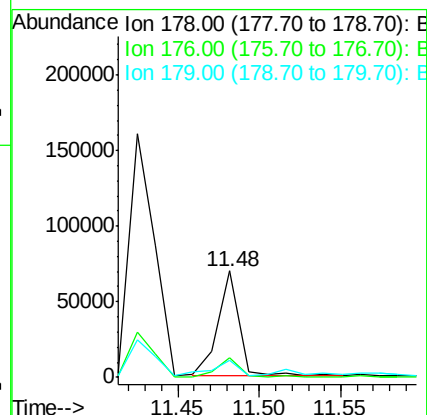
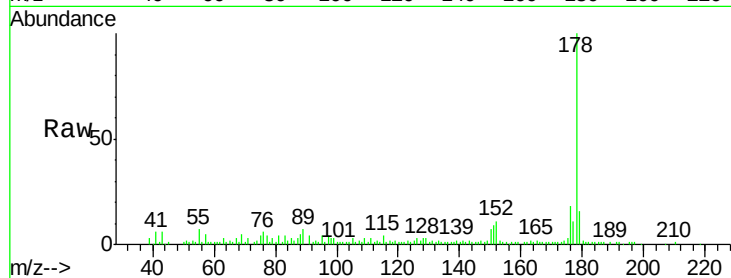
ClientSampleId :

WC121515-LIQUID-POPH

Manual Integrations
APPROVED

MMdadoda
12/18/2015 6:22:10 PM

Tgt Ion:	178	Resp:	62475
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.4	23.0
179	15.9	12.5	18.7



#72

Carbazole

Concen: 5.43 ng

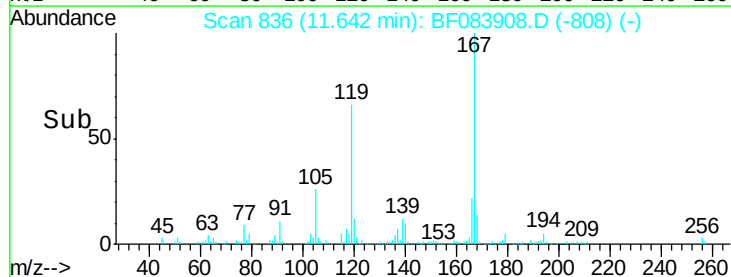
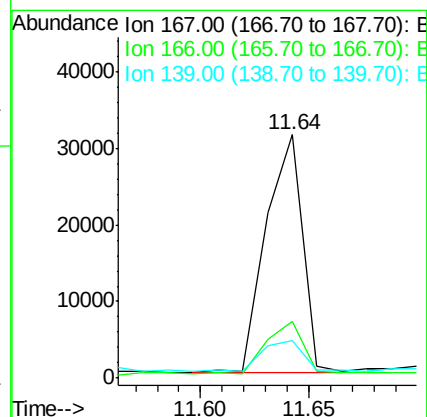
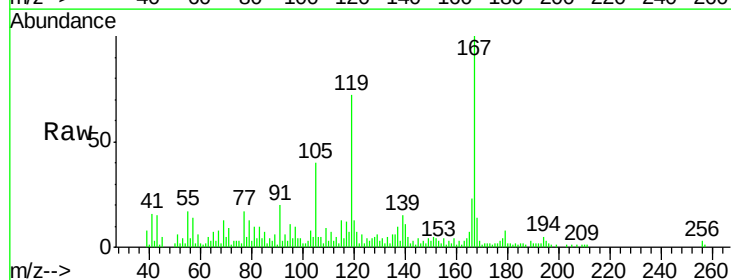
RT: 11.64 min Scan# 836

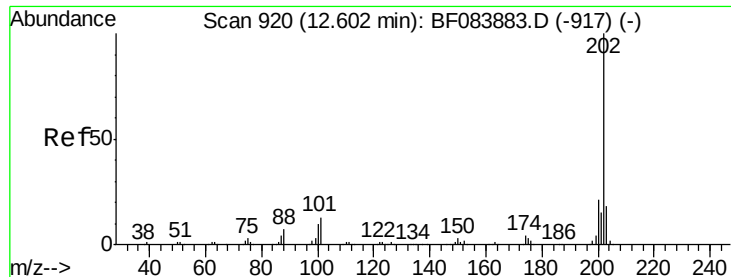
Delta R.T. 0.02 min

Lab File: BF083908.D

Acq: 18 Dec 2015 10:23

Tgt Ion:	167	Resp:	36487
Ion Ratio	Lower	Upper	
167	100		
166	23.1	17.6	26.4
139	15.5	11.8	17.8





#74

Fluoranthene

Concen: 12.60 ng

RT: 12.61 min Scan# 921

Delta R.T. 0.01 min

Lab File: BF083908.D

Acq: 18 Dec 2015 10:23

Instrument :

BNA_F

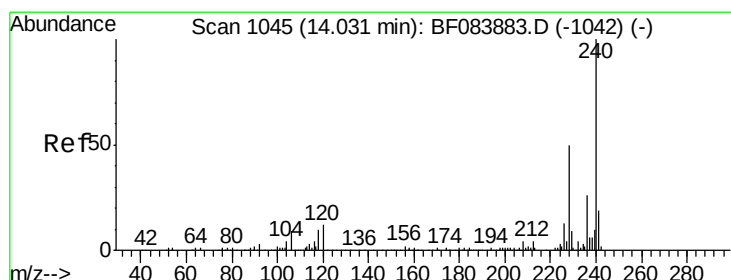
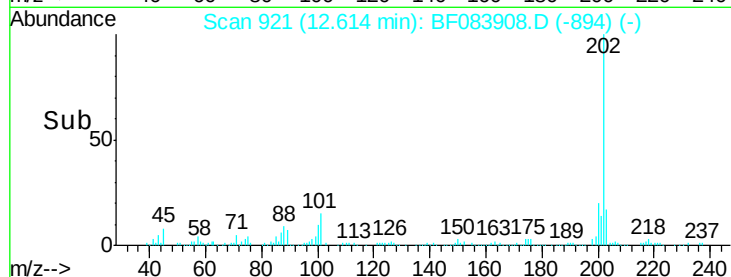
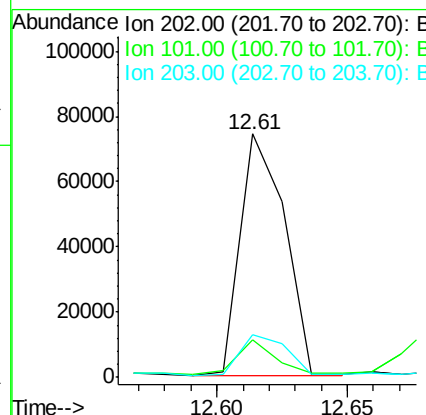
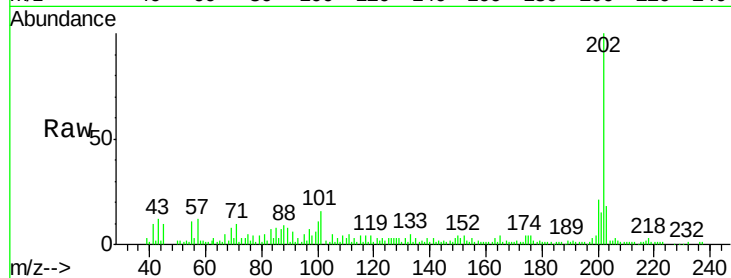
ClientSampleId :

WC121515-LIQUID-POPH

Tgt Ion:	202	Resp:	88510
Ion Ratio	Lower	Upper	
202	100		
101	15.7	0.0	32.8
203	17.7	0.0	37.9

Manual Integrations
APPROVED

MMdadoda
12/18/2015 6:22:10 PM



#75

Chrysene-d12

Concen: 20.00 ng

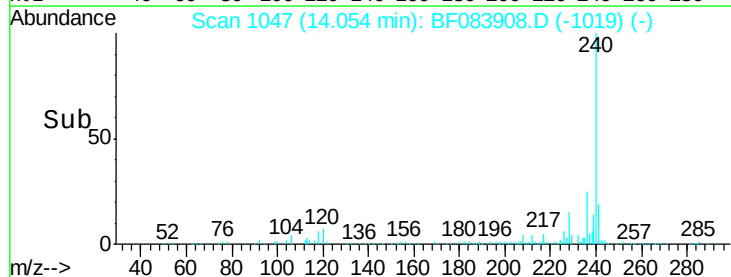
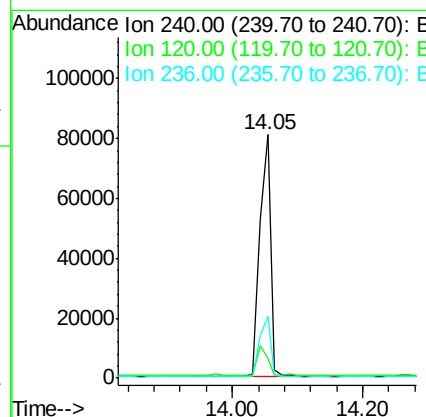
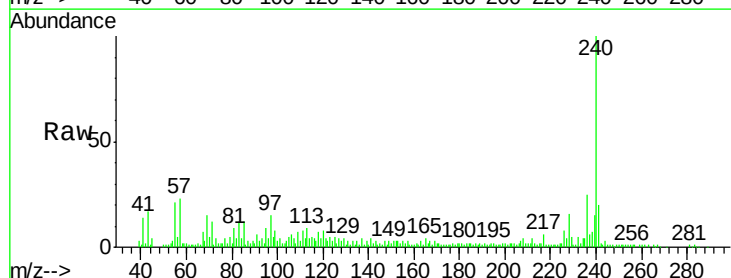
RT: 14.05 min Scan# 1047

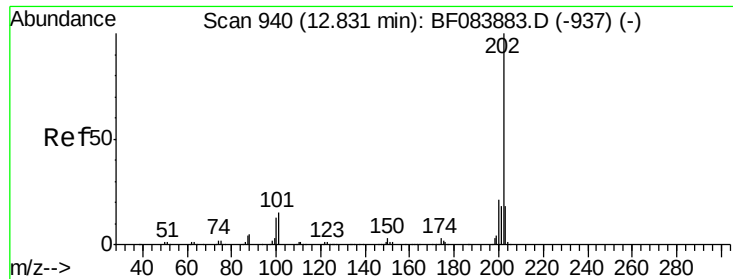
Delta R.T. 0.02 min

Lab File: BF083908.D

Acq: 18 Dec 2015 10:23

Tgt Ion:	240	Resp:	95836
Ion Ratio	Lower	Upper	
240	100		
120	8.2	9.5	14.3#
236	25.3	20.6	31.0





#77

Pyrene

Concen: 20.26 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.01 min

Lab File: BF083908.D

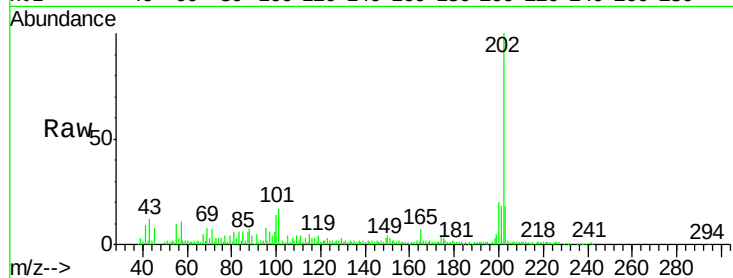
Acq: 18 Dec 2015 10:23

Instrument :

BNA_F

ClientSampleId :

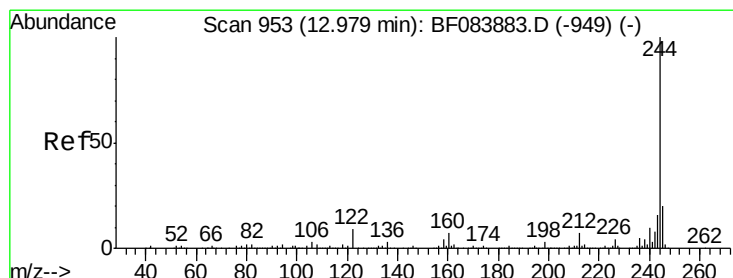
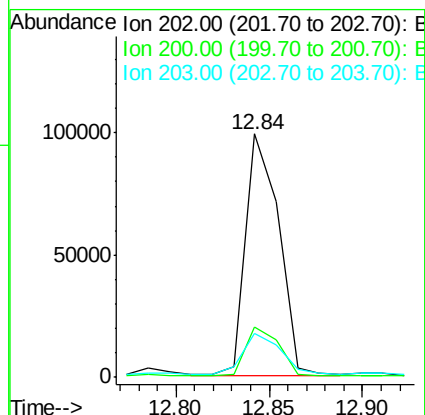
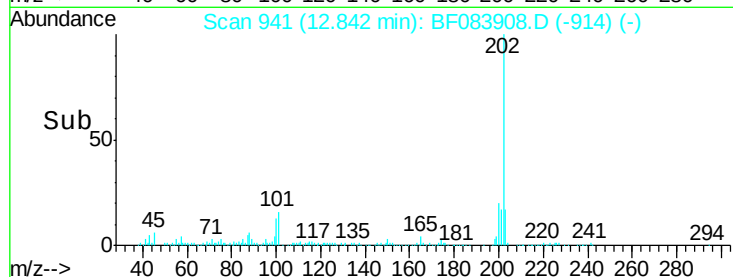
WC121515-LIQUID-POPH



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	122198		
200	20.4	17.2	25.8	
203	18.3	14.3	21.5	

Manual Integrations
APPROVED

MMdadoda
12/18/2015 6:22:10 PM



#78

Terphenyl-d14

Concen: 70.79 ng

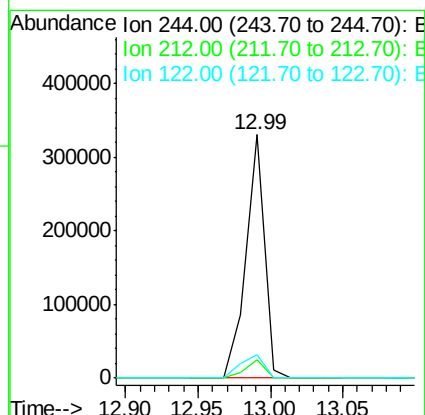
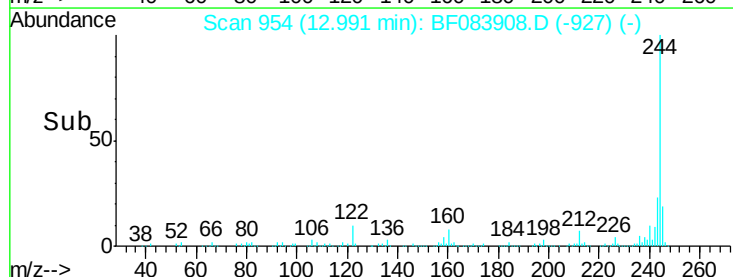
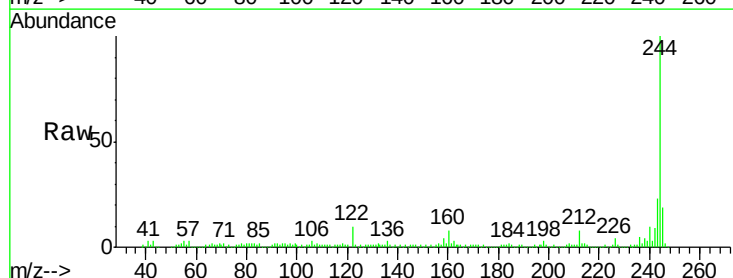
RT: 12.99 min Scan# 954

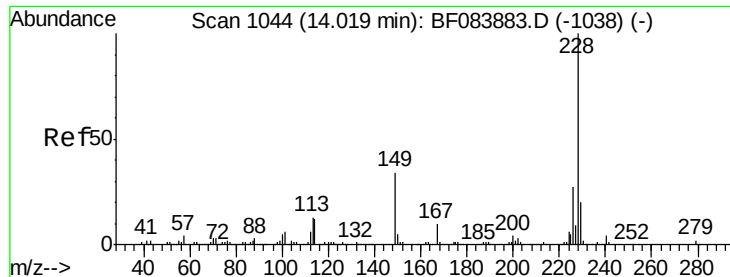
Delta R.T. 0.01 min

Lab File: BF083908.D

Acq: 18 Dec 2015 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	294454		
212	7.6	5.7	8.5	
122	9.8	7.4	11.0	





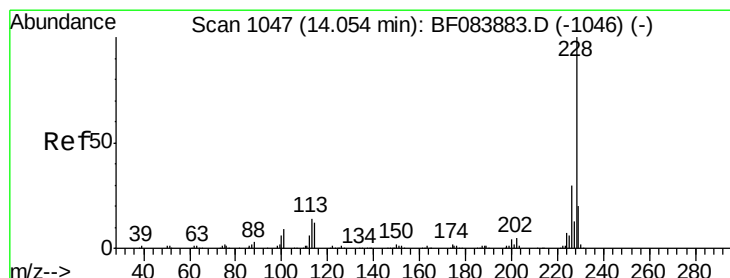
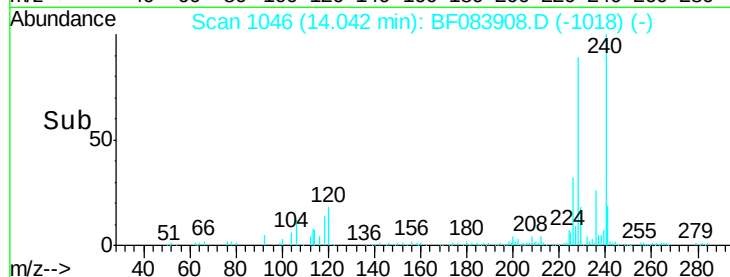
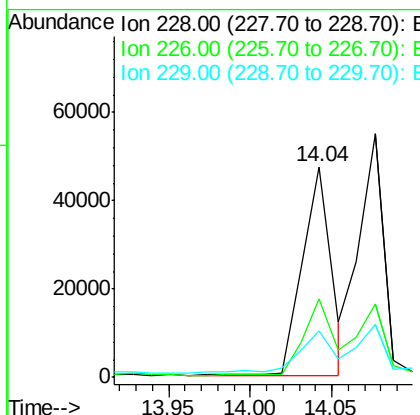
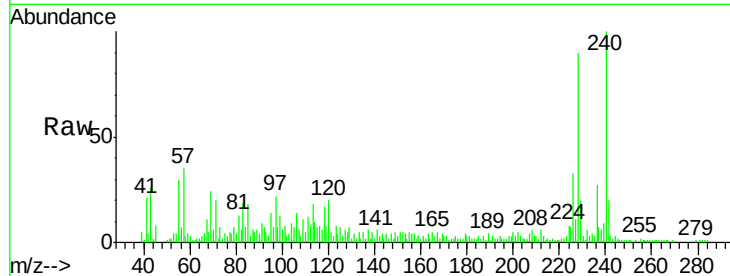
#80
Benzo(a)anthracene
Concen: 9.88 ng
RT: 14.04 min Scan# 1046
Delta R.T. 0.02 min
Lab File: BF083908.D
Acq: 18 Dec 2015 10:23

Instrument :
BNA_F
ClientSampleId :
WC121515-LIQUID-POPH

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.0	21.8	32.6#
229	22.3	15.8	23.8

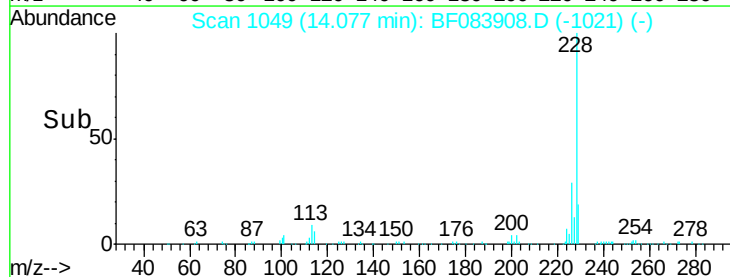
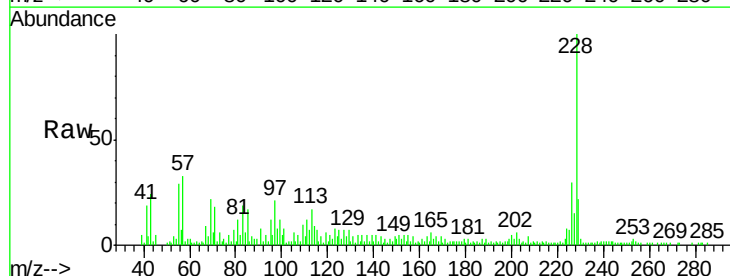
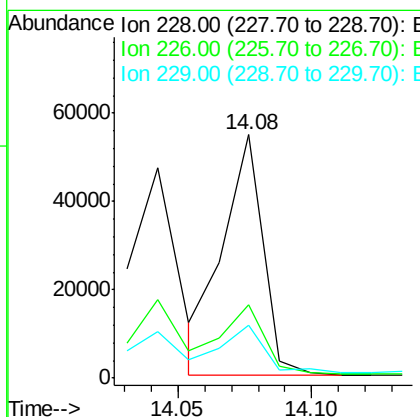
Manual Integrations
APPROVED

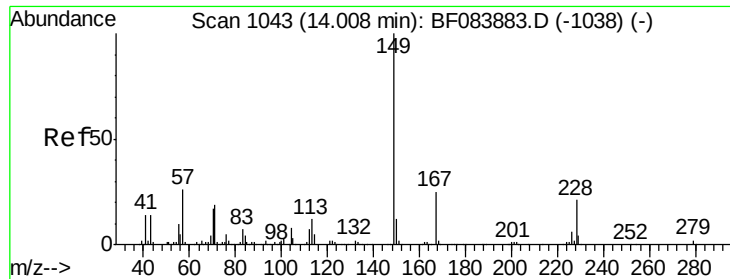
MMdadoda
12/18/2015 6:22:10 PM



#82
Chrysene
Concen: 10.11 ng m
RT: 14.08 min Scan# 1049
Delta R.T. 0.02 min
Lab File: BF083908.D
Acq: 18 Dec 2015 10:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.3	36.5
229	21.6	16.1	24.1





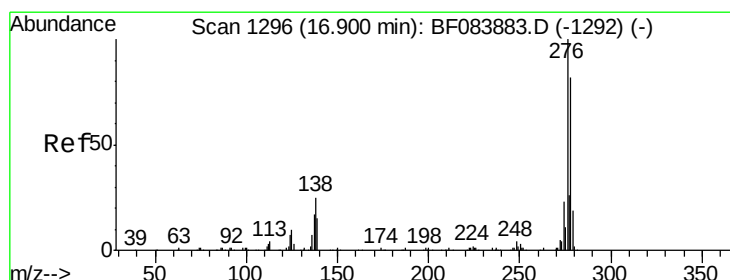
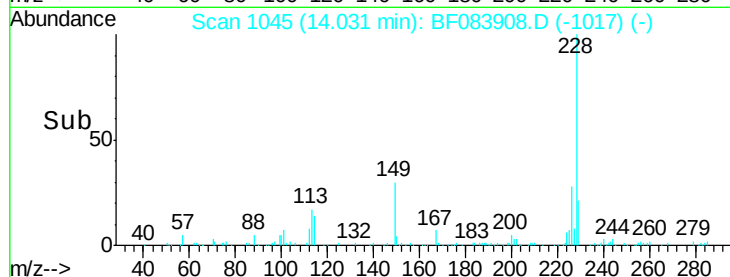
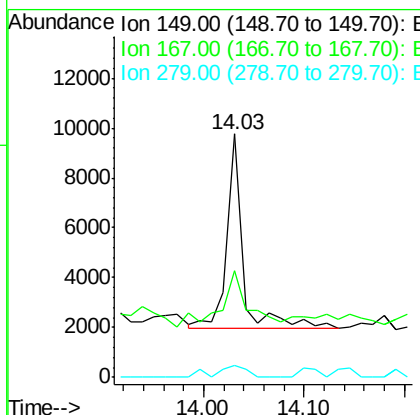
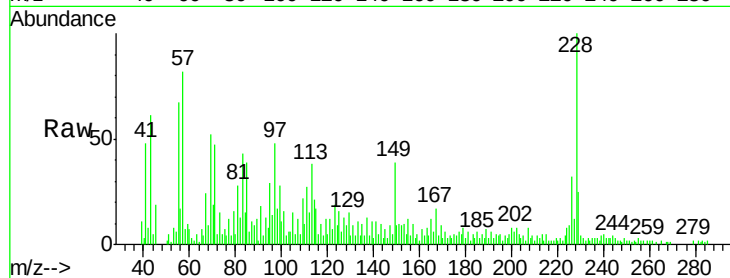
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.06 ng
 RT: 14.03 min Scan# 1045
 Delta R.T. 0.02 min
 Lab File: BF083908.D
 Acq: 18 Dec 2015 10:23

Instrument :
 BNA_F
 ClientSampleId :
 WC121515-LIQUID-POPH

Tgt Ion	Ratio	Lower	Upper
149	100		
167	43.7	19.7	29.5#
279	5.1	1.8	2.6#

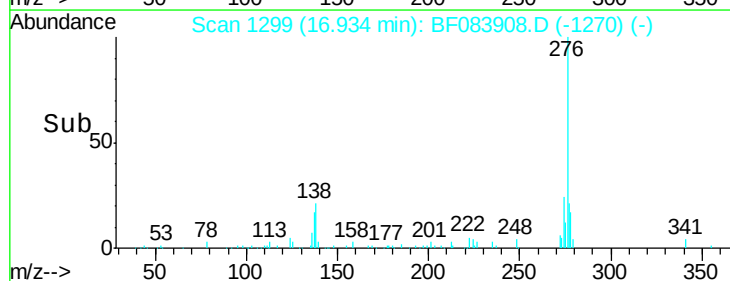
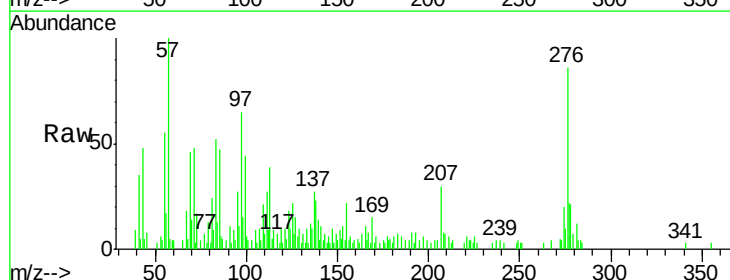
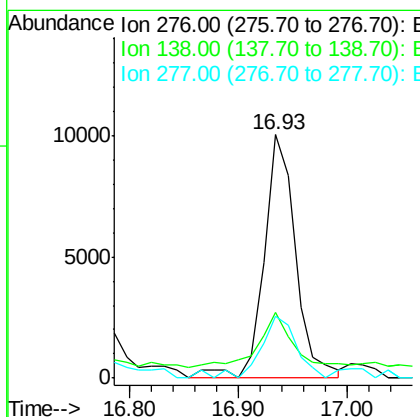
Manual Integrations
 APPROVED

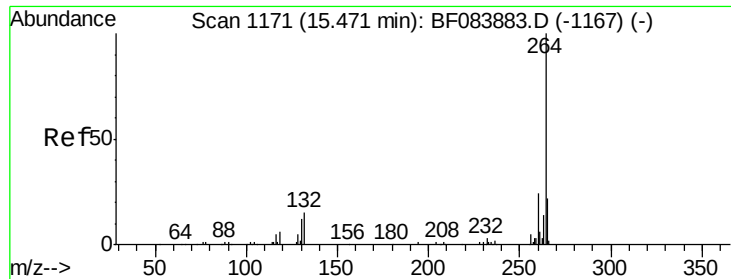
MMdadoda
 12/18/2015 6:22:10 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.79 ng
 RT: 16.93 min Scan# 1299
 Delta R.T. 0.03 min
 Lab File: BF083908.D
 Acq: 18 Dec 2015 10:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	20.6	30.8
277	28.1	20.1	30.1





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 1173

Delta R.T. 0.02 min

Lab File: BF083908.D

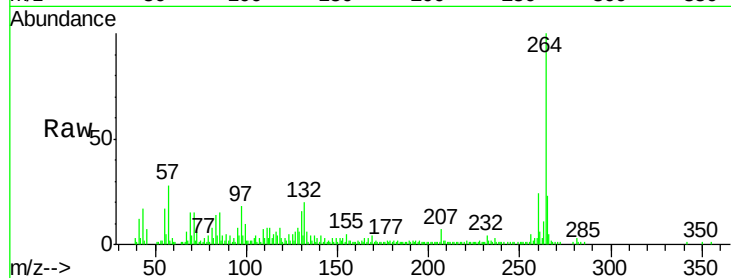
Acq: 18 Dec 2015 10:23

Instrument :

BNA_F

ClientSampleId :

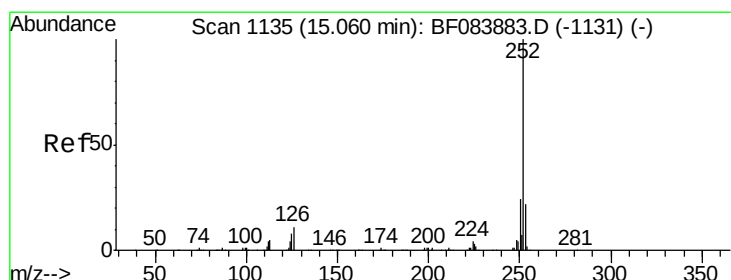
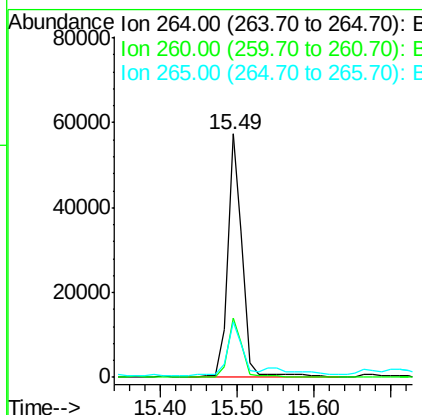
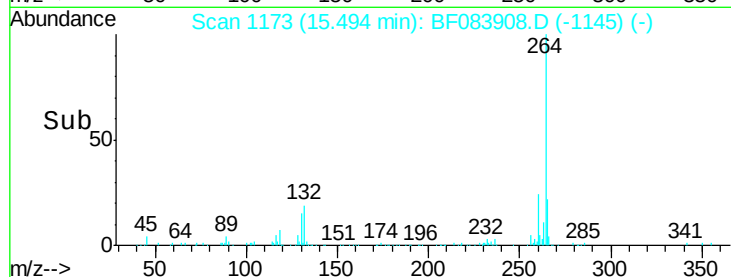
WC121515-LIQUID-POPH



Tgt Ion:	264	Resp:	76775
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.4	29.2
265	22.9	17.8	26.6

Manual Integrations
APPROVED

MMdadoda
12/18/2015 6:22:10 PM



#87

Benzo(b)fluoranthene

Concen: 8.62 ng m

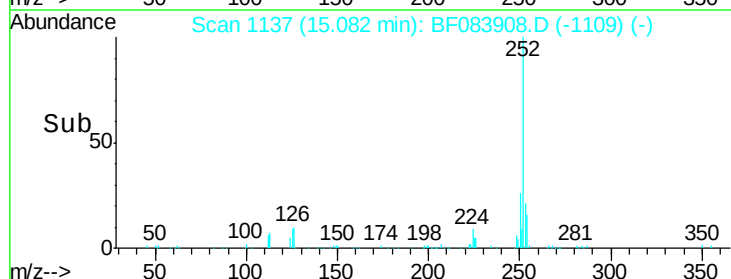
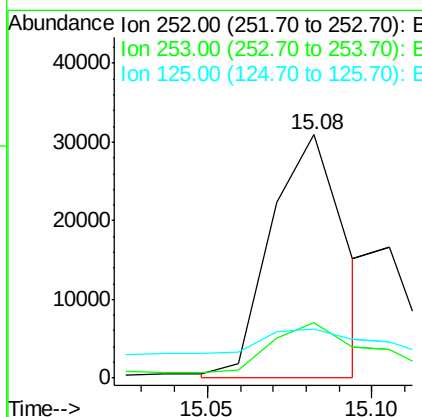
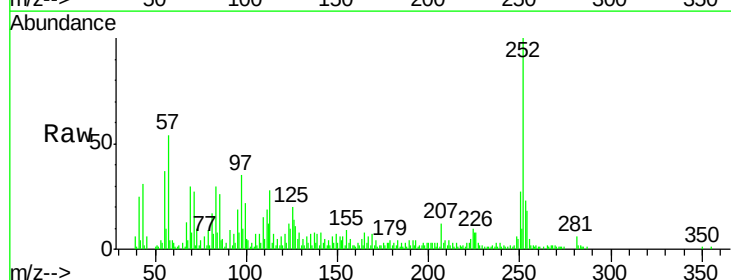
RT: 15.08 min Scan# 1137

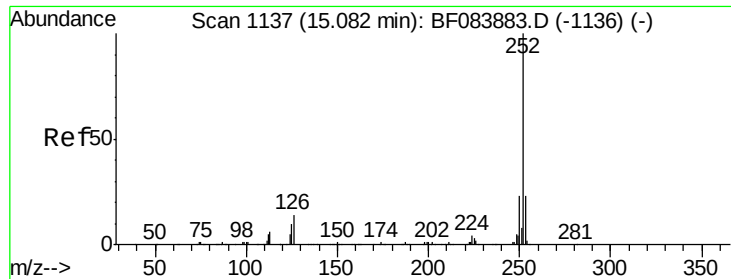
Delta R.T. 0.02 min

Lab File: BF083908.D

Acq: 18 Dec 2015 10:23

Tgt Ion:	252	Resp:	48233
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.3	25.9
125	20.4	6.5	9.7#





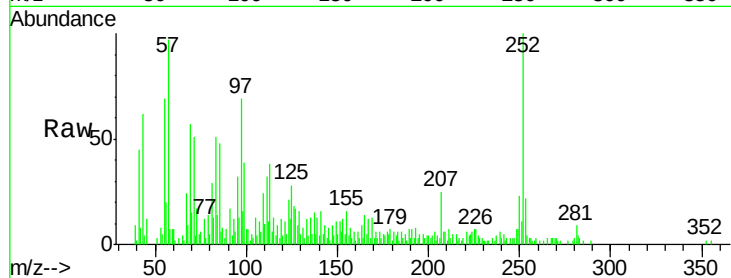
#88
Benzo(k)fluoranthene
Concen: 3.20 ng m
RT: 15.11 min Scan# 1139
Delta R.T. 0.02 min
Lab File: BF083908.D
Acq: 18 Dec 2015 10:23

Instrument :
BNA_F
ClientSampleId :
WC121515-LIQUID-POPH

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	28.2	9.0	13.6

Manual Integrations
APPROVED

MMdadoda
12/18/2015 6:22:10 PM

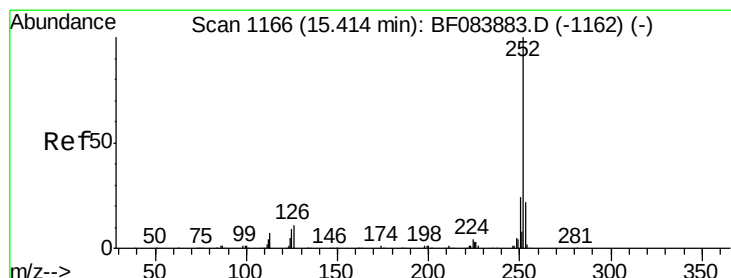
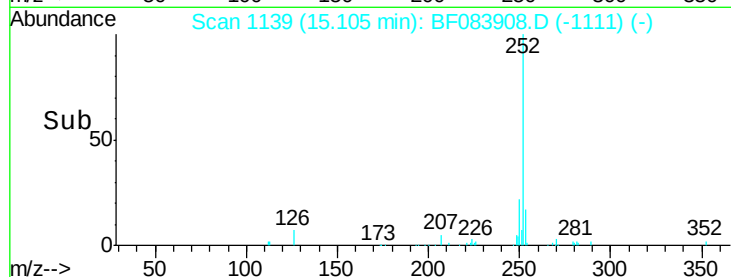
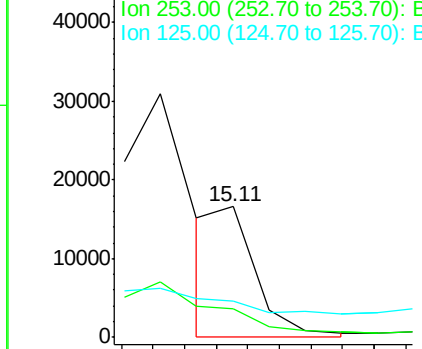


Abundance

Ion 252.00 (251.70 to 252.70): E

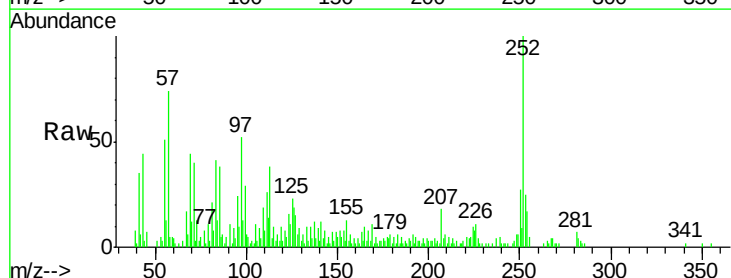
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 5.30 ng
RT: 15.44 min Scan# 1168
Delta R.T. 0.02 min
Lab File: BF083908.D
Acq: 18 Dec 2015 10:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.3	25.9
125	23.4	7.0	10.4

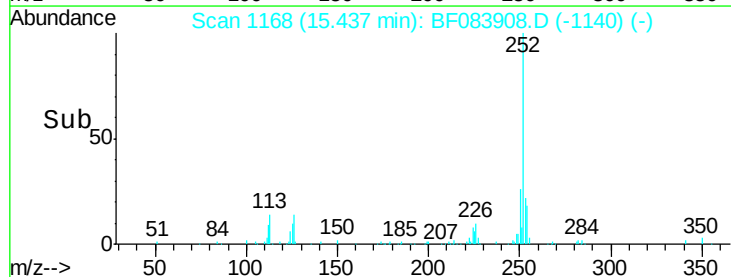
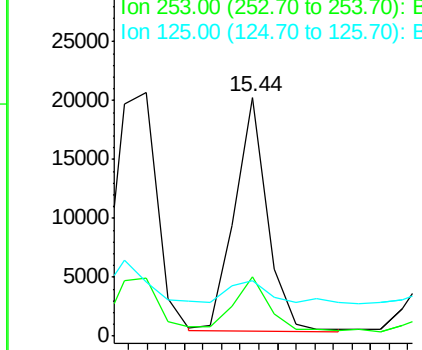


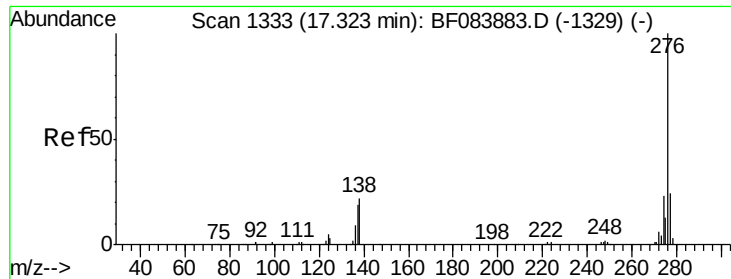
Abundance

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





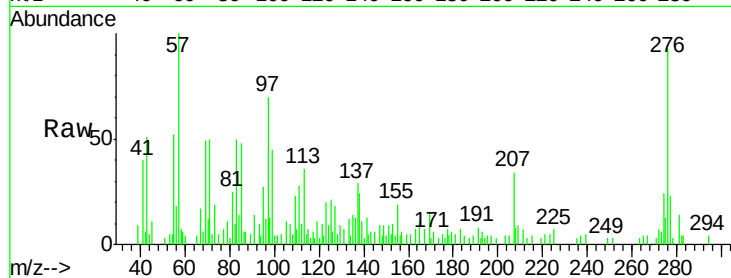
#91
 Benzo(g,h,i)perylene
 Concen: 6.20 ng
 RT: 17.37 min Scan# 1337
 Delta R.T. 0.05 min
 Lab File: BF083908.D
 Acq: 18 Dec 2015 10:23

Instrument :
 BNA_F
 ClientSampleId :
 WC121515-LIQUID-POPH

Tgt Ion:	276	Resp:	21854
Ion Ratio		Lower	Upper
276	100		
277	24.4	18.8	28.2
138	25.6	17.8	26.6

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:22:10 PM



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

