

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
 Data File : BF077079.D
 Acq On : 27 Jan 2015 8:16
 Operator : TP/IZ
 Sample : G1044-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1A

Manual Integrations
 APPROVED

apatel
 1/28/2015 5:42:42 PM

Quant Time: Jan 28 13:22:19 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 28 00:39:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	43624	20.00	ng	0.01
21) Naphthalene-d8	10.69	136	191468	20.00	ng	0.01
38) Acenaphthene-d10	14.81	164	106141	20.00	ng	0.01
63) Phenanthrene-d10	17.64	188	174008	20.00	ng	0.00
75) Chrysene-d12	21.15	240	168032	20.00	ng	0.00
86) Perylene-d12	22.79	264	151505	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.81	112	170285	64.18	ng	0.02
7) Phenol-d6	7.21	99	133532	39.89	ng	0.05
23) Nitrobenzene-d5	9.09	82	321364	92.99	ng	0.02
41) 2,4,6-Tribromophenol	16.54	330	130856	151.88	ng	0.02
44) 2-Fluorobiphenyl	13.34	172	647569	92.85	ng	0.01
78) Terphenyl-d14	19.89	244	608248	83.33	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	1.16	88	8926	7.86	ng	# 91
6) Aniline	7.06	93	123489	26.66	ng	94
8) 2-Chlorophenol	7.30	128	24589	8.04	ng	87
10) Phenol	7.25	94	53798m	15.14	ng	
11) bis(2-Chloroethyl)ether	7.32	93	35147	12.64	ng	# 84
12) 1,3-Dichlorobenzene	7.61	146	7158	2.06	ng	98
13) 1,4-Dichlorobenzene	7.81	146	50728	13.75	ng	97
14) 1,2-Dichlorobenzene	8.13	146	50303	14.79	ng	97
17) 2-Methylphenol	8.58	107	15304	6.12	ng	96
20) 3+4-Methylphenols	8.96	107	97304	29.40	ng	95
22) Acetophenone	8.77	105	13229	2.82	ng	# 81
27) 2,4-Dimethylphenol	10.16	122	20786	7.63	ng	93
28) bis(2-Chloroethoxy)methane	10.35	93	16925	4.73	ng	# 83
31) Naphthalene	10.73	128	479955	48.69	ng	99
37) 2-Methylnaphthalene	12.38	142	75378	11.20	ng	94
49) Dimethylphthalate	14.40	163	38729	5.15	ng	# 94
51) Acenaphthene	14.88	154	16257	2.62	ng	92
59) Diethylphthalate	16.05	149	35628	4.68	ng	# 91
65) n-Nitrosodiphenylamine	16.40	169	86296	13.91	ng	92

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

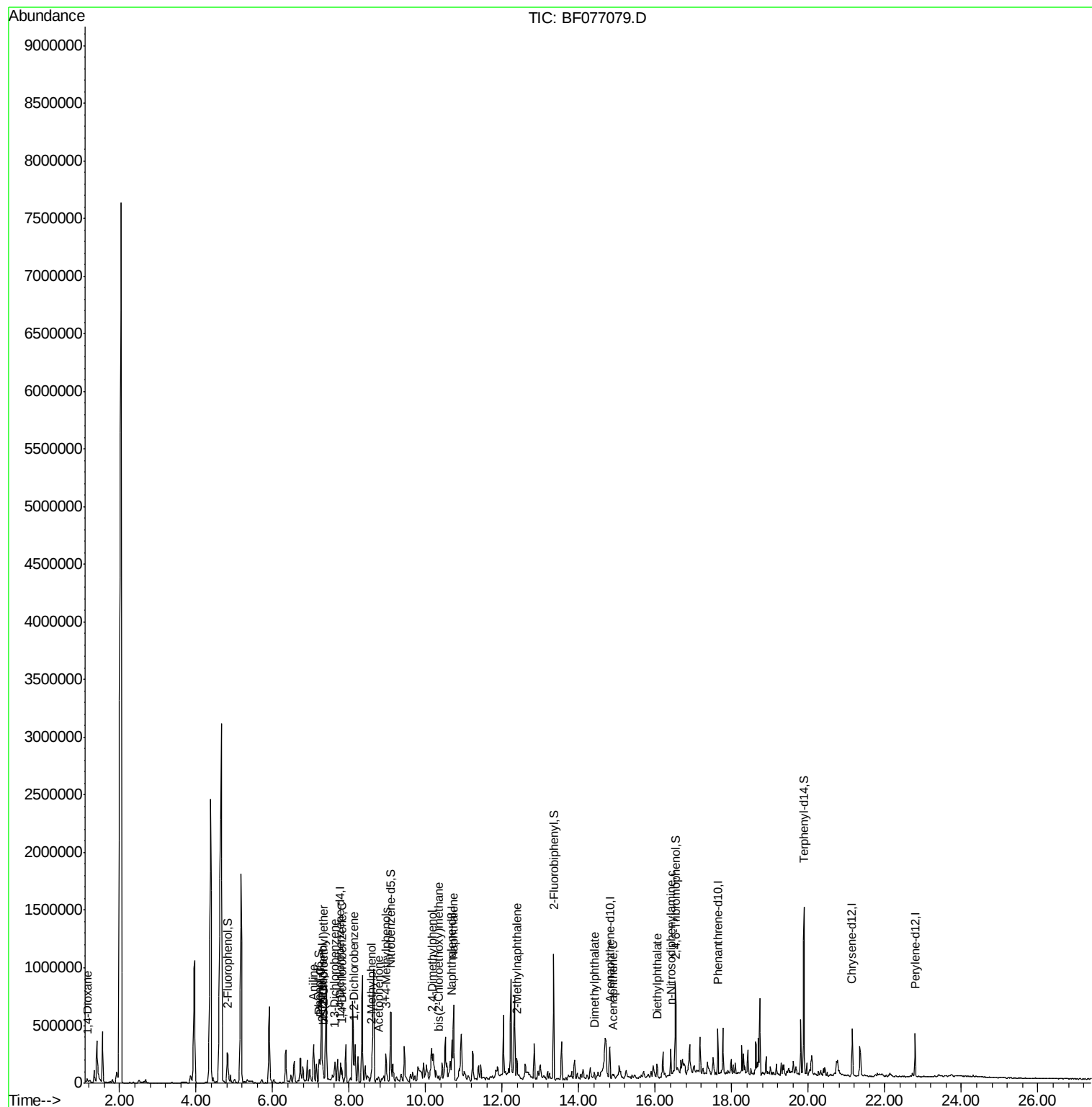
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077079.D
Acq On : 27 Jan 2015 8:16
Operator : TP/IZ
Sample : G1044-01
Misc :
ALS Vial : 33 Sample Multiplier: 1

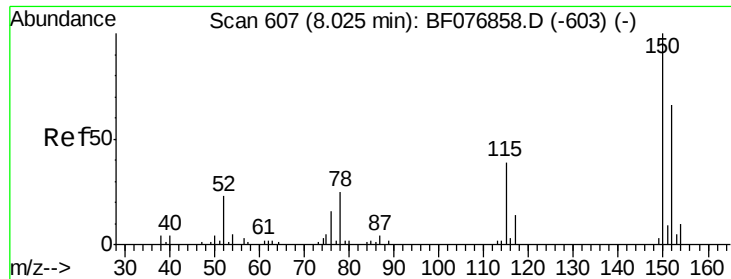
Instrument :
BNA_F
ClientSampleId :
SP-1A

Quant Time: Jan 28 13:22:19 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 28 00:39:45 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

apatel
1/28/2015 5:42:42 PM





#1

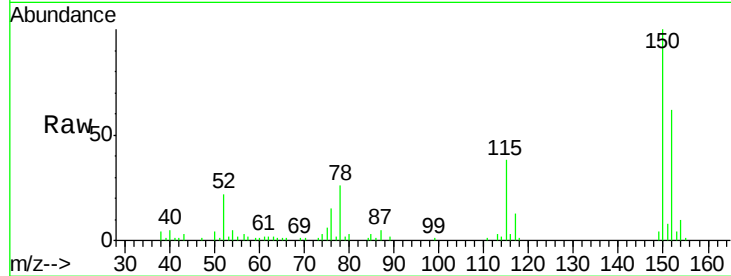
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF077079.D
Acq: 27 Jan 2015 8:16

Instrument :
BNA_F
ClientSampled :
SP-1A

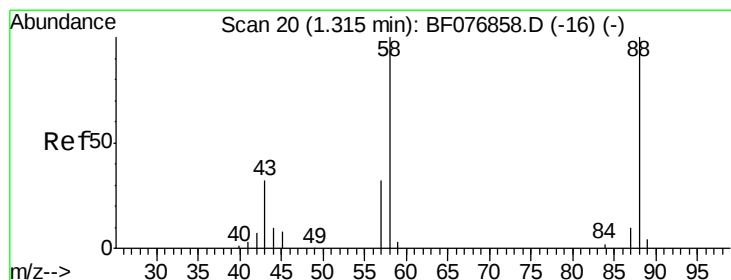
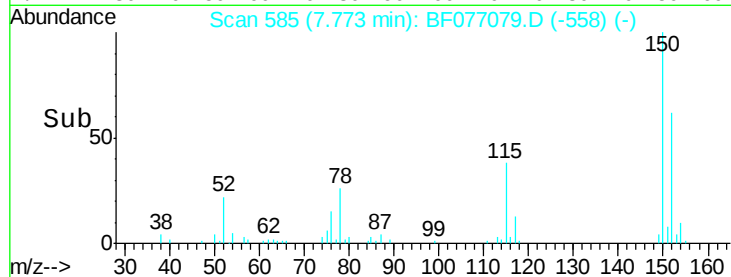
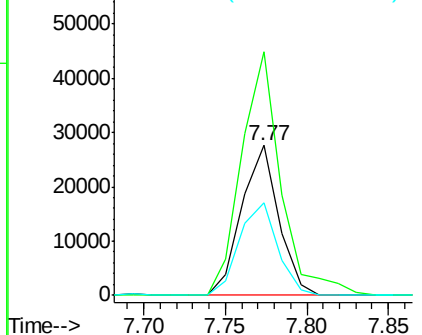
Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.3	121.7	182.5
115	61.6	47.0	70.6

Manual Integrations
APPROVED

apatel
1/28/2015 5:42:42 PM



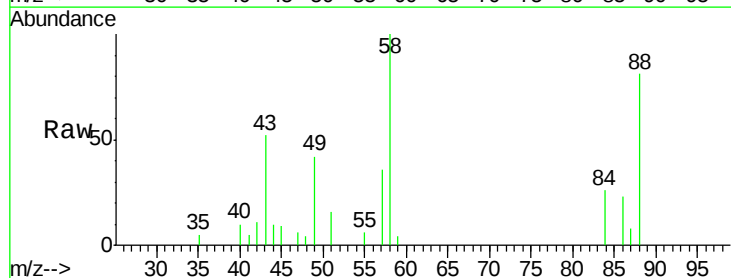
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



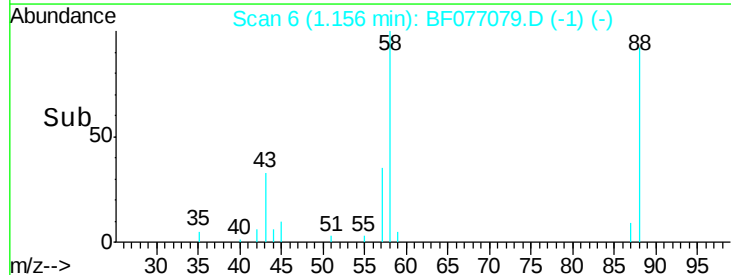
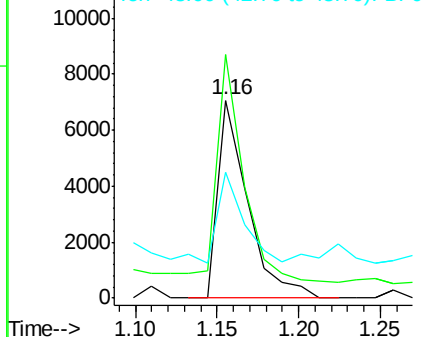
#2

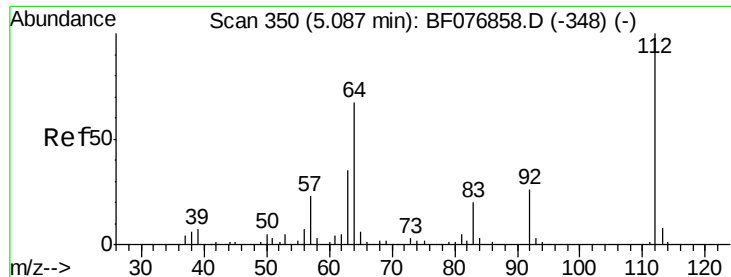
1,4-Dioxane
Concen: 7.86 ng
RT: 1.16 min Scan# 6
Delta R.T. 0.01 min
Lab File: BF077079.D
Acq: 27 Jan 2015 8:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	103.6	77.0	115.4
43	40.1	25.6	38.4



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 64.18 ng

RT: 4.81 min Scan# 326

Delta R.T. 0.02 min

Lab File: BF077079.D

Acq: 27 Jan 2015 8:16

Instrument :

BNA_F

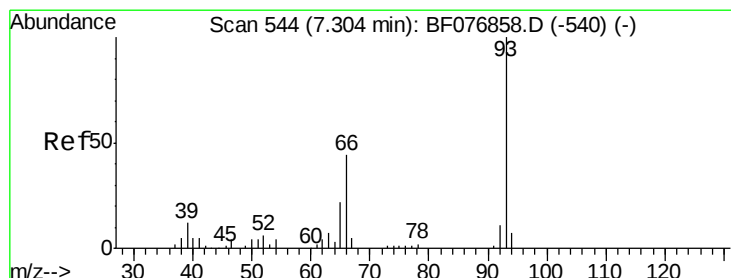
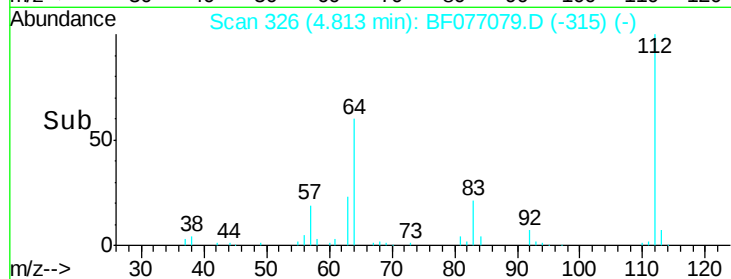
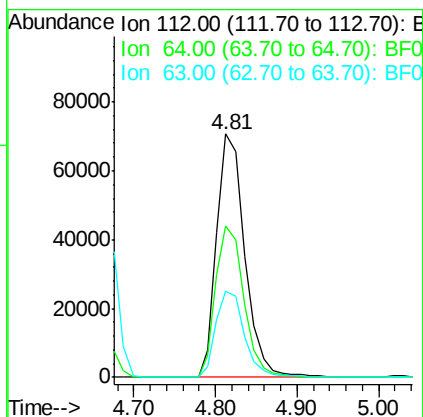
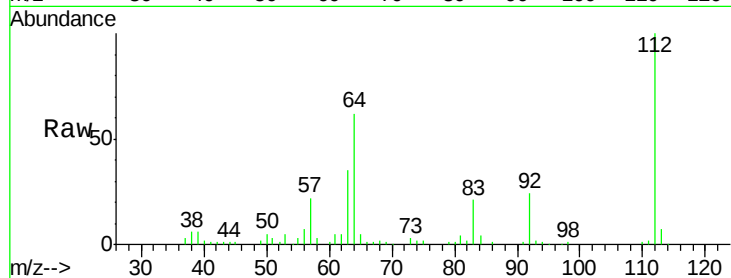
ClientSampleId :

SP-1A

Tgt Ion:	112	Resp:	170285
Ion Ratio	Lower	Upper	
112	100		
64	62.5	54.2	81.4
63	35.2	28.4	42.6

Manual Integrations
APPROVED

apatel
1/28/2015 5:42:42 PM



#6

Aniline

Concen: 26.66 ng

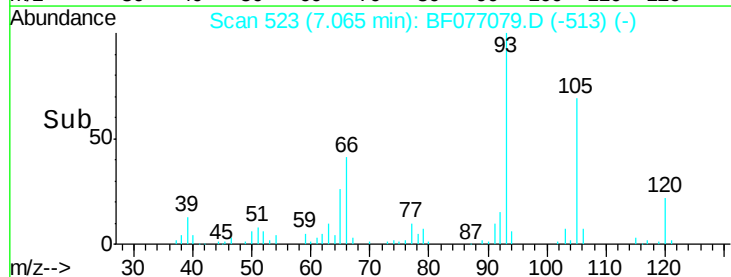
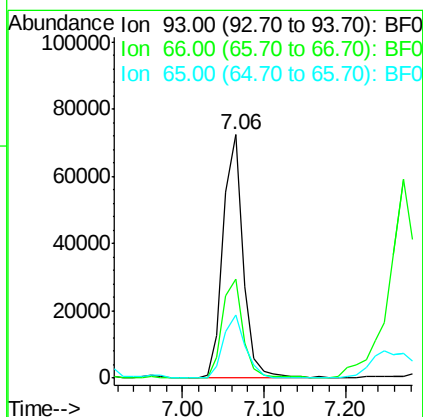
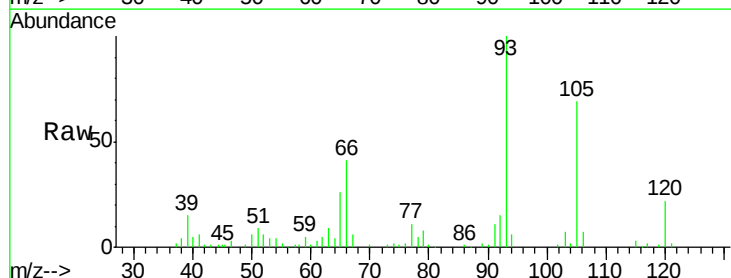
RT: 7.06 min Scan# 523

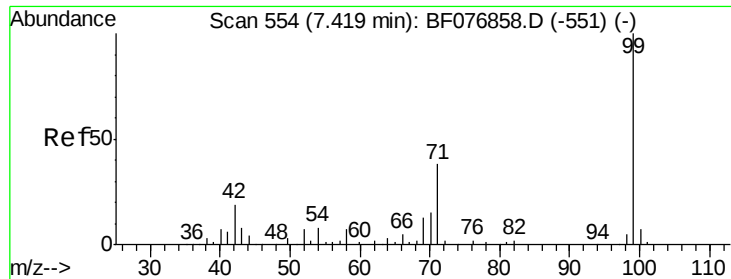
Delta R.T. 0.01 min

Lab File: BF077079.D

Acq: 27 Jan 2015 8:16

Tgt Ion:	93	Resp:	123489
Ion Ratio	Lower	Upper	
93	100		
66	40.5	35.0	52.4
65	25.9	17.7	26.5





#7

Phenol-d6

Concen: 39.89 ng

RT: 7.21 min Scan# 536

Delta R.T. 0.05 min

Lab File: BF077079.D

Acq: 27 Jan 2015 8:16

Instrument :

BNA_F

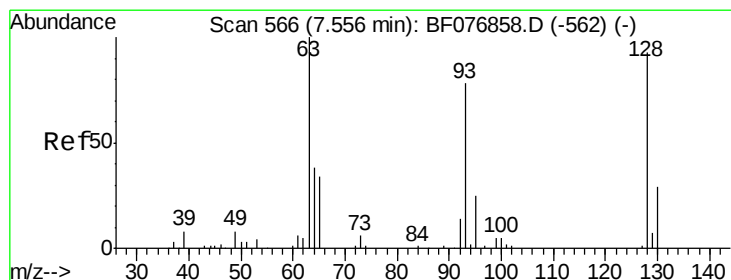
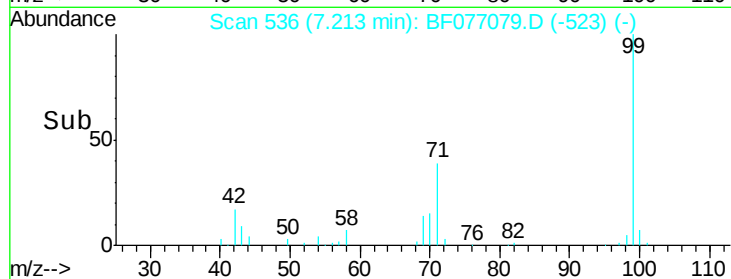
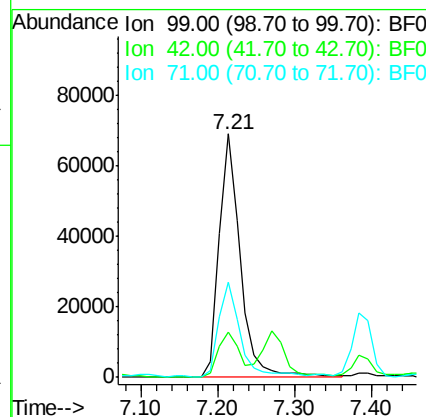
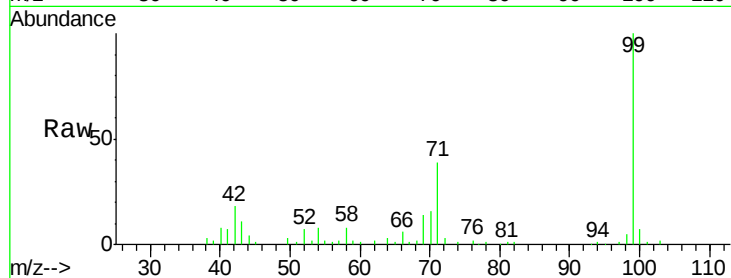
ClientSampleId :

SP-1A

Tgt Ion:	99	Resp:	133532
Ion Ratio	Lower	Upper	
99	100		
42	18.3	15.0	22.4
71	38.9	30.5	45.7

Manual Integrations
APPROVED

apatel
1/28/2015 5:42:42 PM



#8

2-Chlorophenol

Concen: 8.04 ng

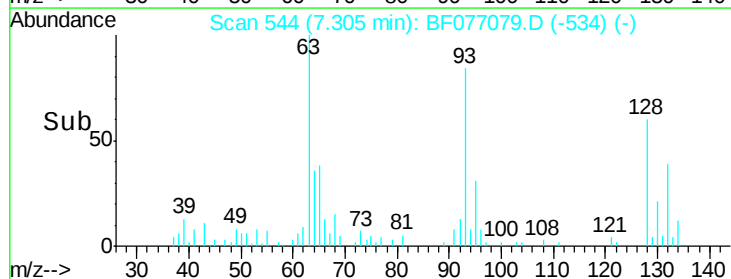
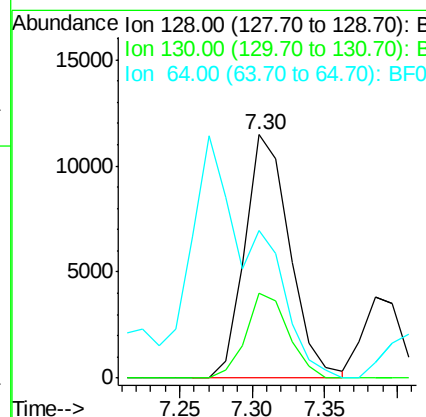
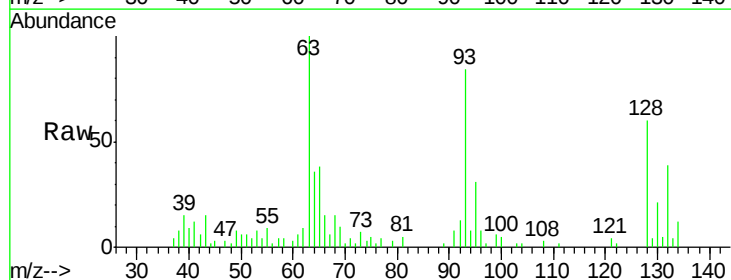
RT: 7.30 min Scan# 544

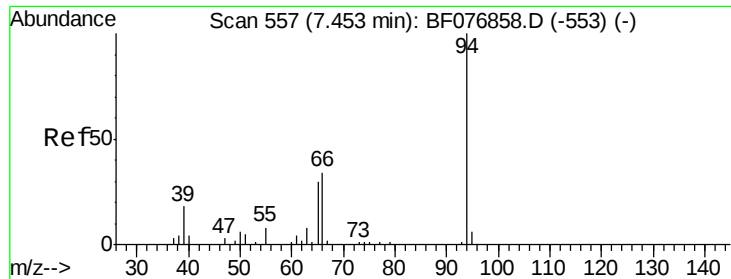
Delta R.T. 0.01 min

Lab File: BF077079.D

Acq: 27 Jan 2015 8:16

Tgt Ion:	128	Resp:	24589
Ion Ratio	Lower	Upper	
128	100		
130	35.0	11.0	51.0
64	60.6	29.3	69.3





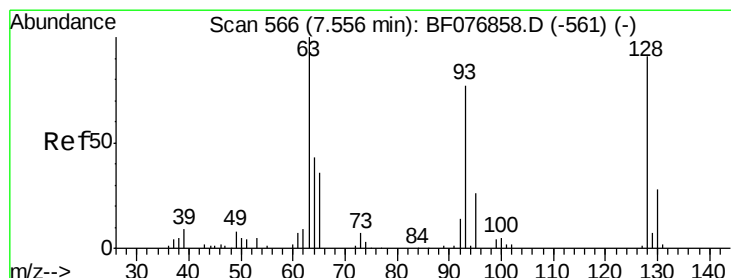
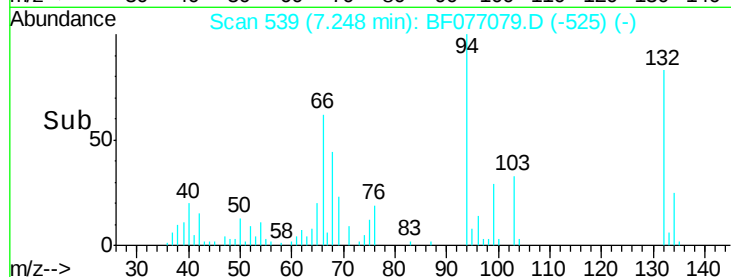
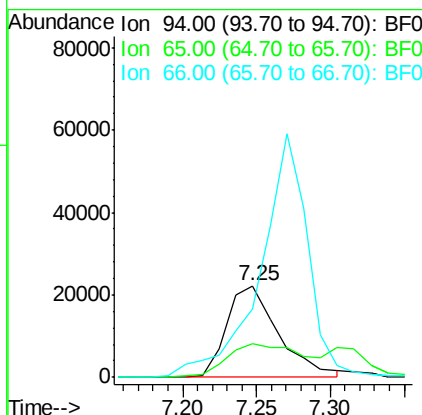
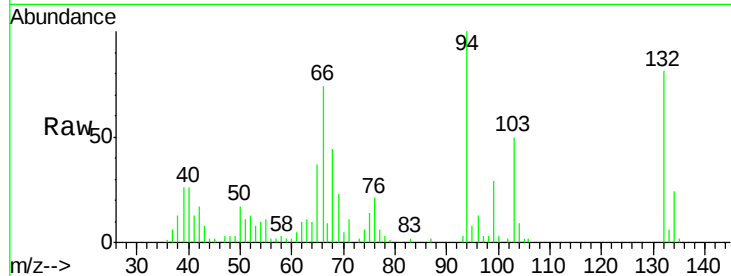
#10
Phenol
Concen: 15.14 ng m
RT: 7.25 min Scan# 539
Delta R.T. 0.06 min
Lab File: BF077079.D
Acq: 27 Jan 2015 8:16

Instrument :
BNA_F
ClientSampleId :
SP-1A

Tgt Ion	Ratio	Lower	Upper
94	100		
65	36.7	11.3	51.3
66	74.3	19.5	59.5#

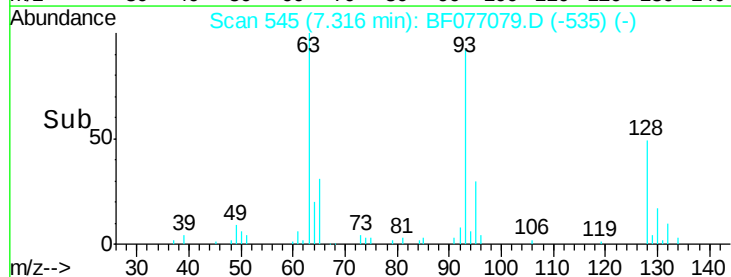
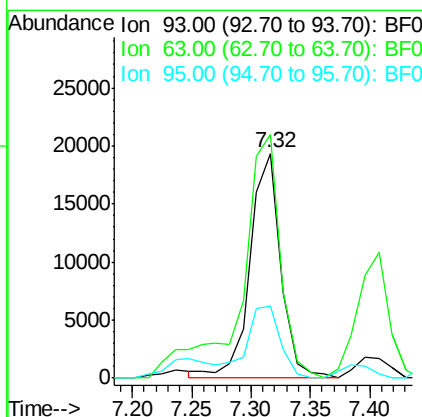
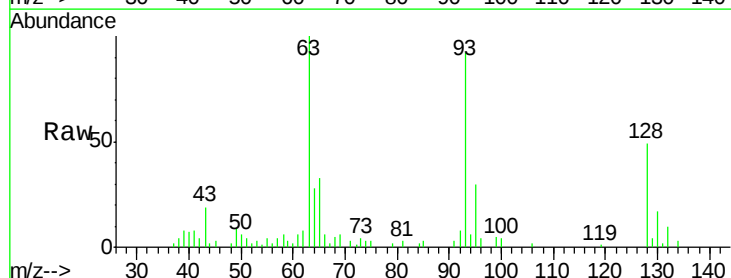
Manual Integrations
APPROVED

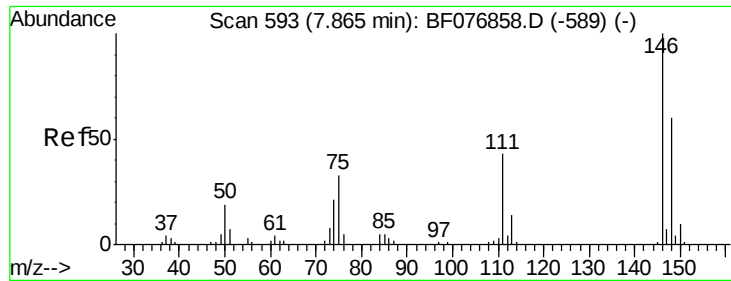
apatel
1/28/2015 5:42:42 PM



#11
bis(2-Chloroethyl)ether
Concen: 12.64 ng
RT: 7.32 min Scan# 545
Delta R.T. 0.01 min
Lab File: BF077079.D
Acq: 27 Jan 2015 8:16

Tgt Ion	Ratio	Lower	Upper
93	100		
63	108.5	111.3	151.3#
95	32.3	13.8	53.8





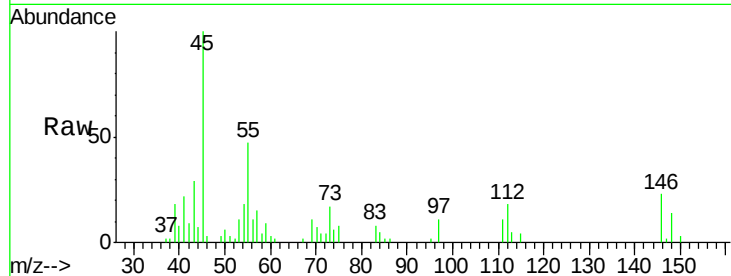
#12
 1,3-Dichlorobenzene
 Concen: 2.06 ng
 RT: 7.61 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: BF077079.D
 Acq: 27 Jan 2015 8:16

Instrument :
 BNA_F
 ClientSampleId :
 SP-1A

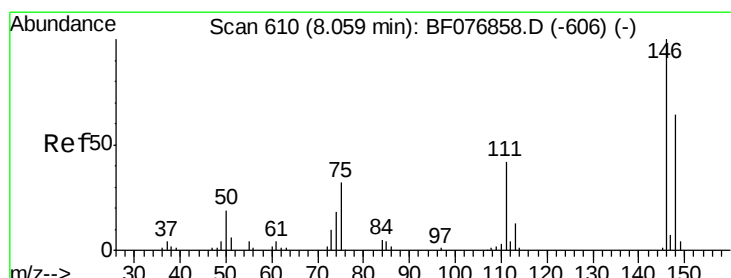
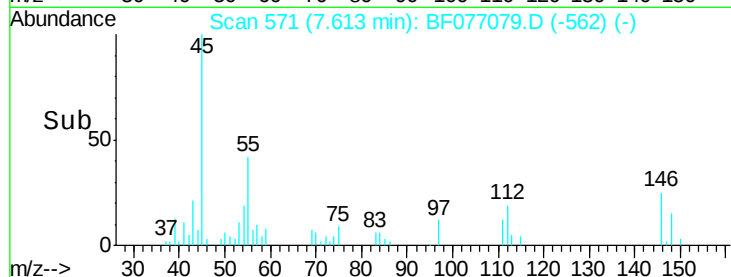
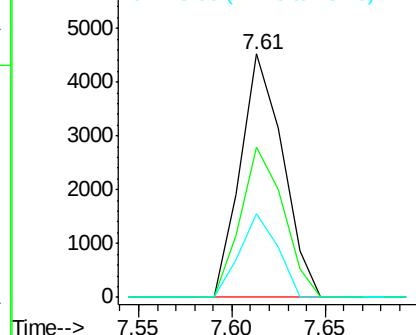
Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.6	48.1	72.1
75	34.5	26.8	40.2

Manual Integrations
 APPROVED

apatel
 1/28/2015 5:42:42 PM

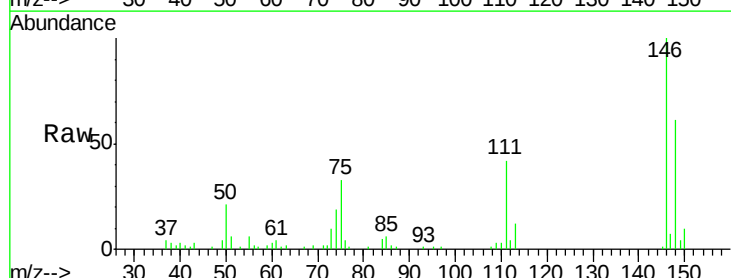


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BF0

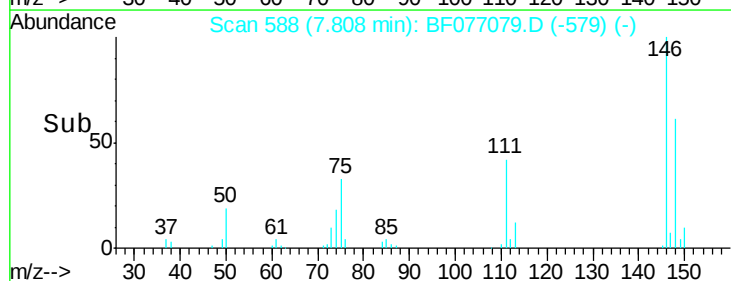
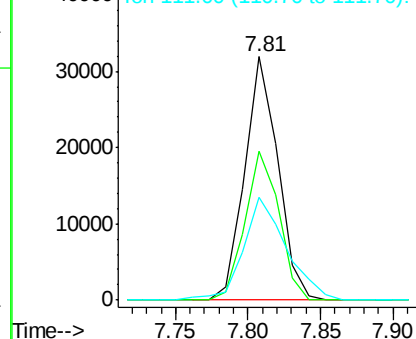


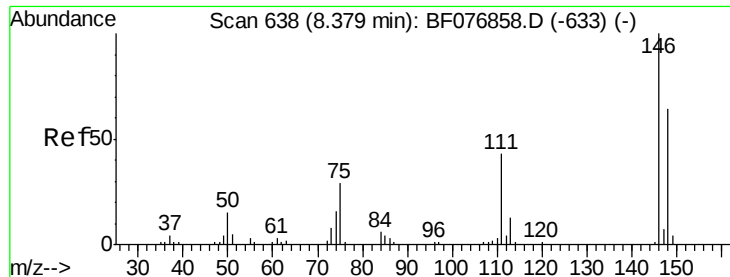
#13
 1,4-Dichlorobenzene
 Concen: 13.75 ng
 RT: 7.81 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: BF077079.D
 Acq: 27 Jan 2015 8:16

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.0	51.5	77.3
111	42.3	33.9	50.9



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 14.79 ng

RT: 8.13 min Scan# 616

Delta R.T. 0.01 min

Lab File: BF077079.D

Acq: 27 Jan 2015 8:16

Instrument :

BNA_F

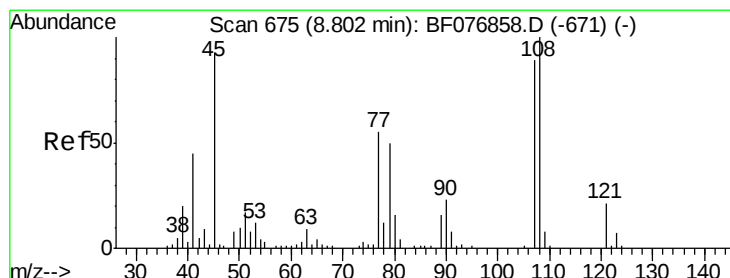
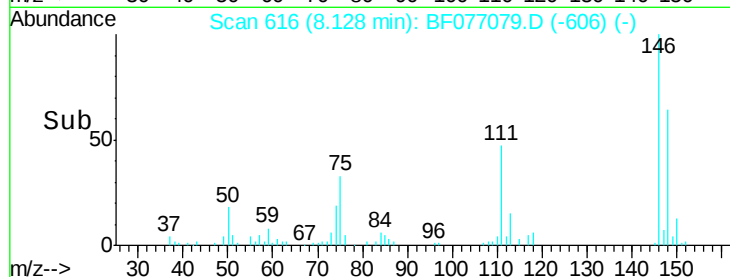
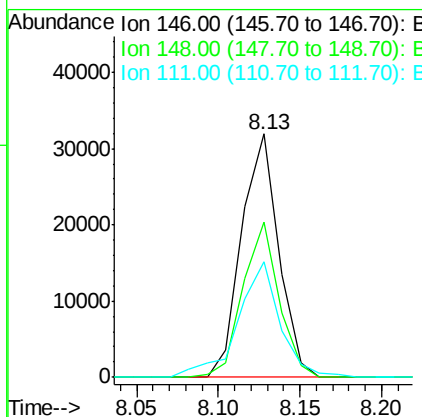
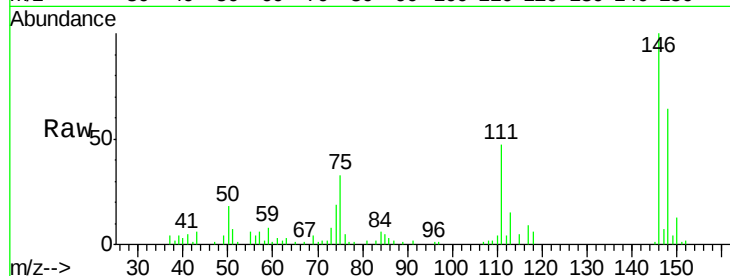
ClientSampled :

SP-1A

Tgt Ion:	146	Resp:	50303
Ion Ratio	Lower	Upper	
146	100		
148	63.6	51.3	76.9
111	47.5	34.5	51.7

Manual Integrations
APPROVED

apatel
1/28/2015 5:42:42 PM



#17

2-Methylphenol

Concen: 6.12 ng

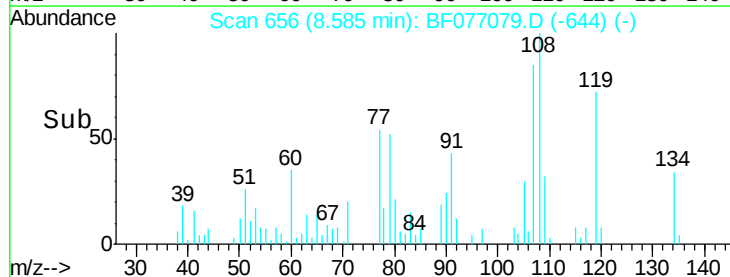
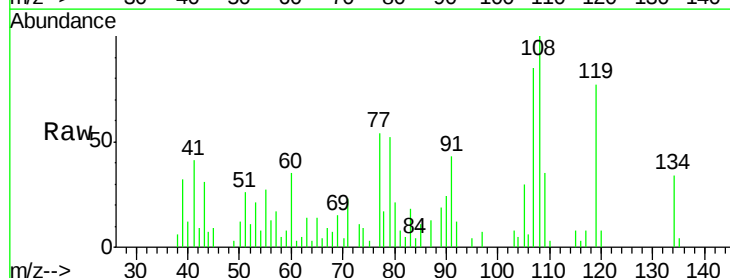
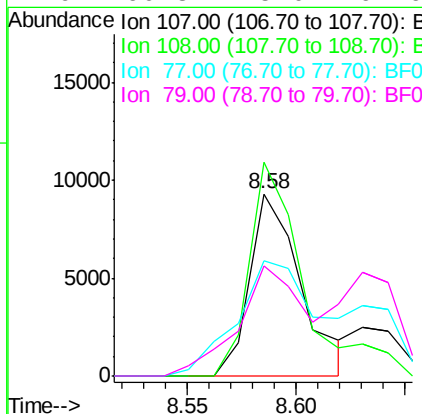
RT: 8.58 min Scan# 656

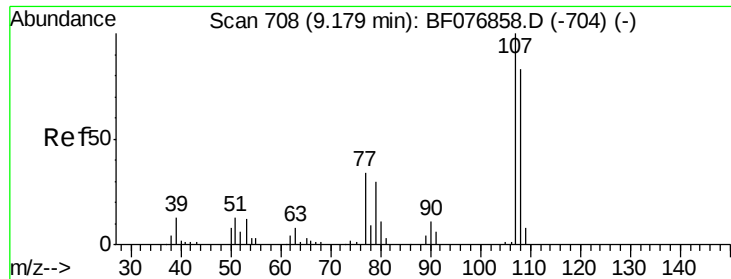
Delta R.T. 0.03 min

Lab File: BF077079.D

Acq: 27 Jan 2015 8:16

Tgt Ion:	107	Resp:	15304
Ion Ratio	Lower	Upper	
107	100		
108	117.4	89.7	134.5
77	63.4	50.1	75.1
79	60.8	45.0	67.6





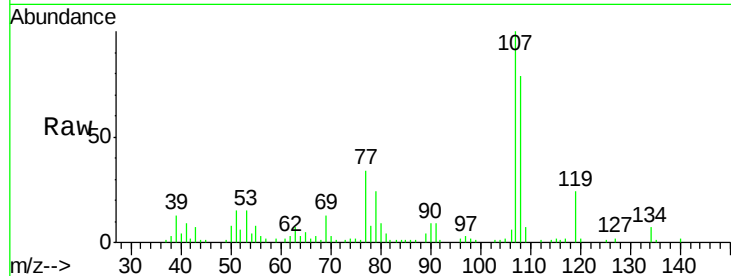
#20
3+4-Methylphenols
Concen: 29.40 ng
RT: 8.96 min Scan# 689
Delta R.T. 0.02 min
Lab File: BF077079.D
Acq: 27 Jan 2015 8:16

Instrument :
BNA_F
ClientSampleId :
SP-1A

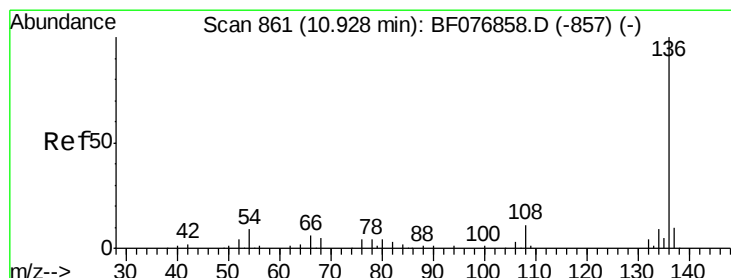
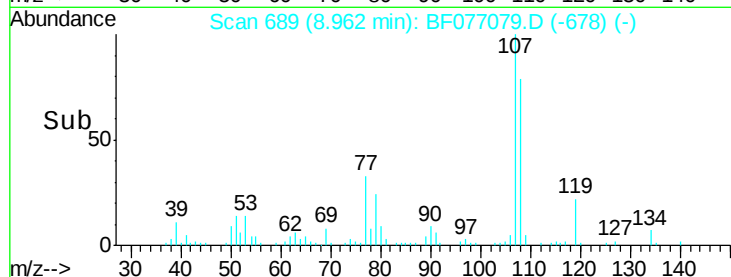
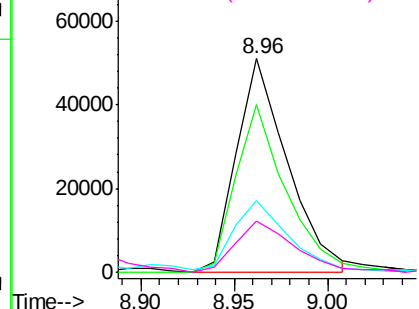
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	97304		
108	78.7	63.5	103.5	
77	33.7	14.0	54.0	
79	24.2	9.9	49.9	

Manual Integrations
APPROVED

apatel
1/28/2015 5:42:42 PM

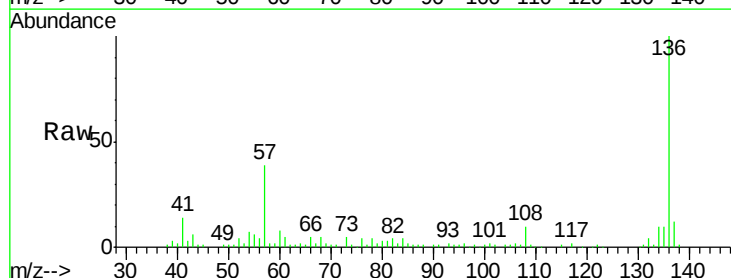


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

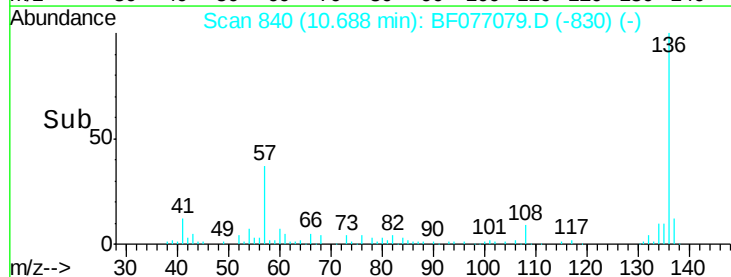
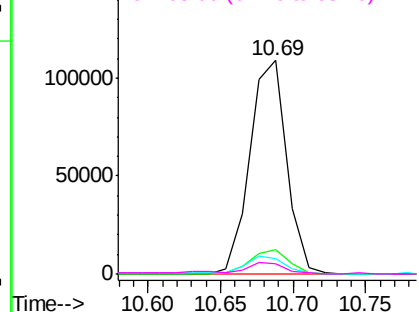


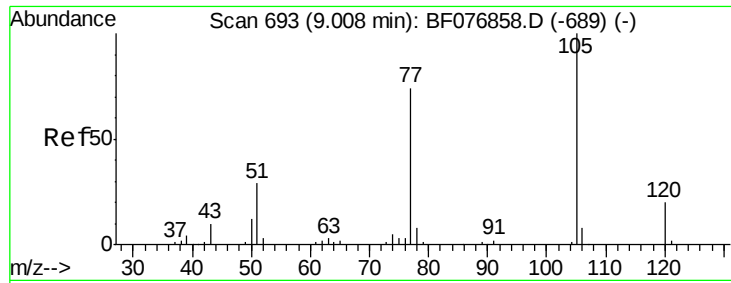
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.69 min Scan# 840
Delta R.T. 0.01 min
Lab File: BF077079.D
Acq: 27 Jan 2015 8:16

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	191468		
137	11.7	8.1	12.1	
54	7.1	7.0	10.4	
68	4.6	3.7	5.5	



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





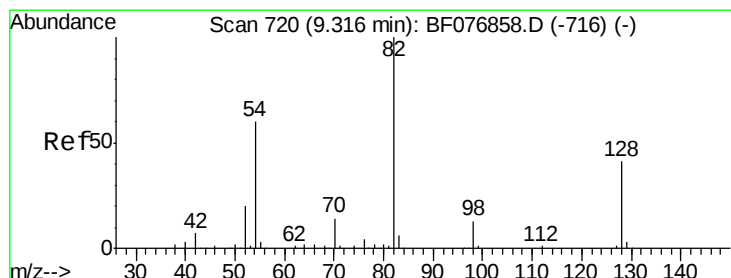
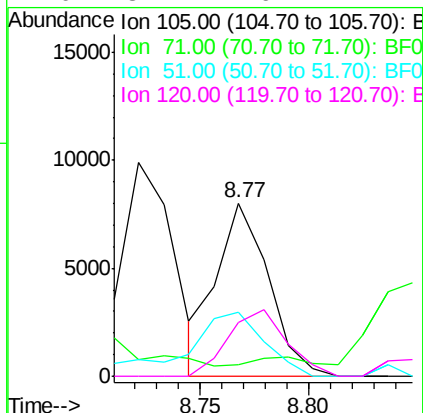
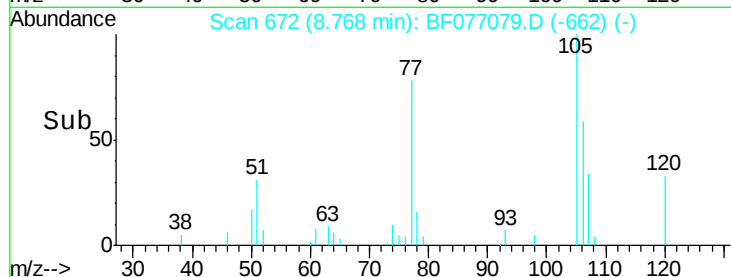
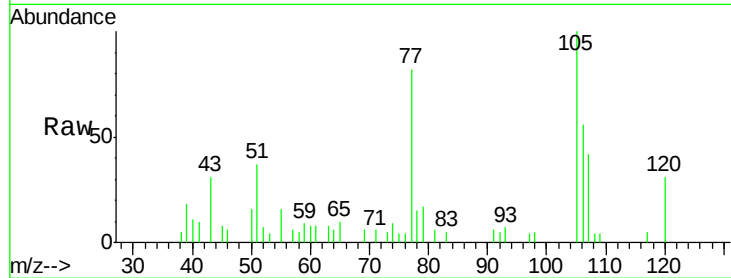
#22
Acetophenone
Concen: 2.82 ng
RT: 8.77 min Scan# 672
Delta R.T. 0.01 min
Lab File: BF077079.D
Acq: 27 Jan 2015 8:16

Instrument :
BNA_F
ClientSampleId :
SP-1A

Tgt Ion	Ratio	Lower	Upper
105	100		
71	6.3	0.0	0.0#
51	37.2	23.3	34.9#
120	31.2	16.1	24.1#

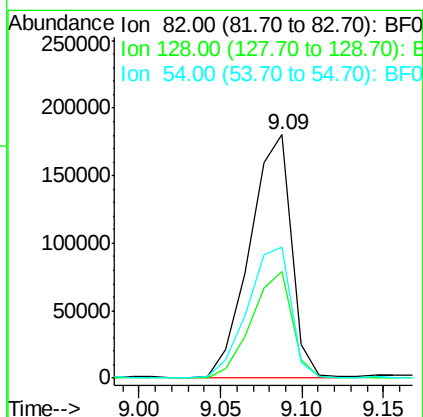
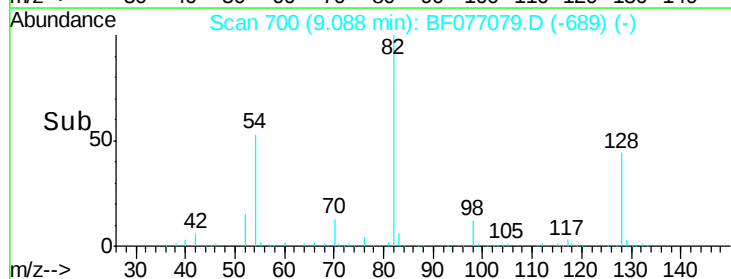
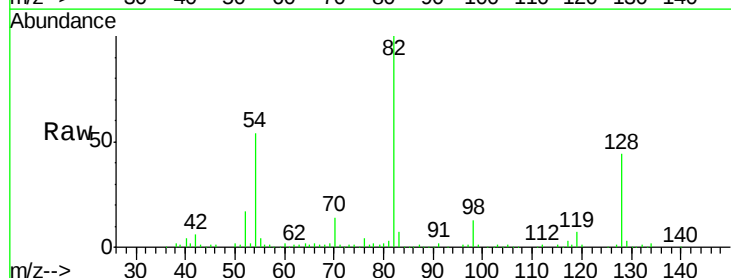
Manual Integrations
APPROVED

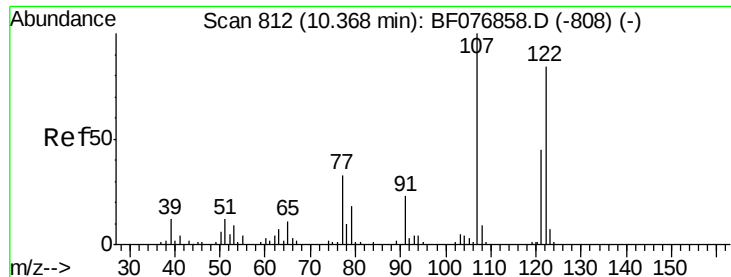
apatel
1/28/2015 5:42:42 PM



#23
Nitrobenzene-d5
Concen: 92.99 ng
RT: 9.09 min Scan# 700
Delta R.T. 0.02 min
Lab File: BF077079.D
Acq: 27 Jan 2015 8:16

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.1	49.7
54	53.6	48.3	72.5





#27

2,4-Dimethylphenol

Concen: 7.63 ng

RT: 10.16 min Scan# 794

Delta R.T. 0.03 min

Lab File: BF077079.D

Acq: 27 Jan 2015 8:16

Instrument :

BNA_F

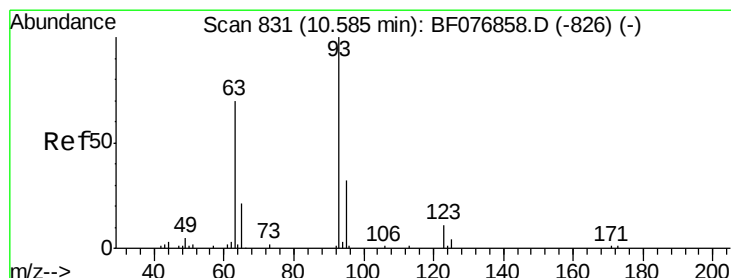
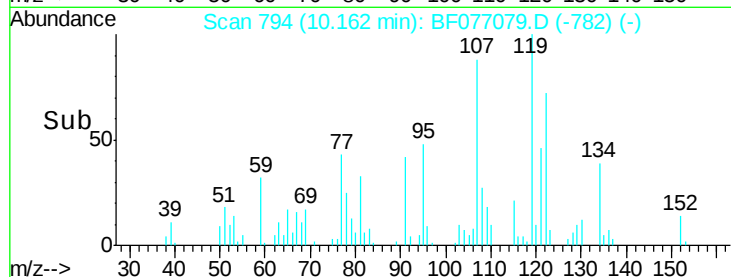
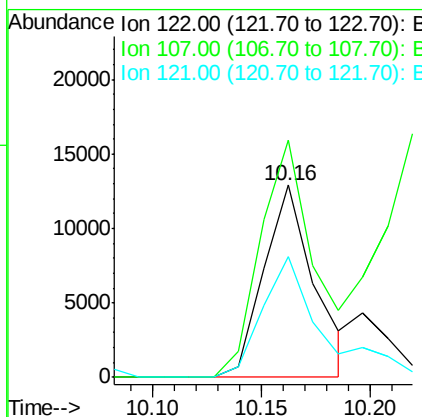
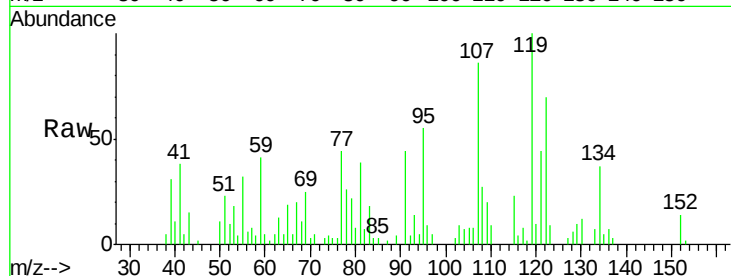
ClientSampled :

SP-1A

Tgt Ion:	122	Resp:	20786
Ion Ratio	Lower	Upper	
122	100		
107	123.5	95.2	142.8
121	63.0	42.9	64.3

Manual Integrations
APPROVED

apatel
1/28/2015 5:42:42 PM



#28

bis(2-Chloroethoxy)methane

Concen: 4.73 ng

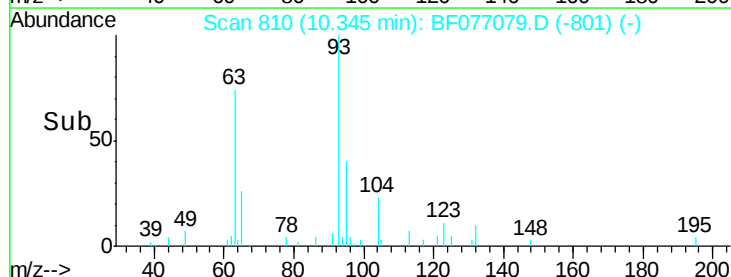
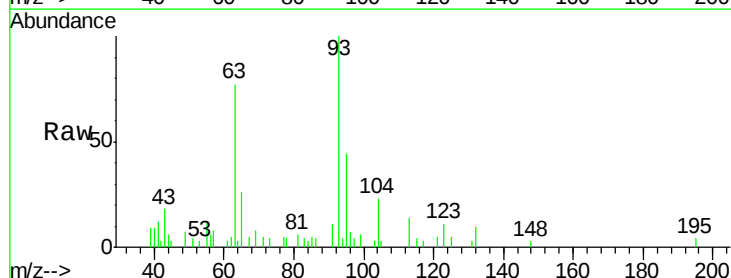
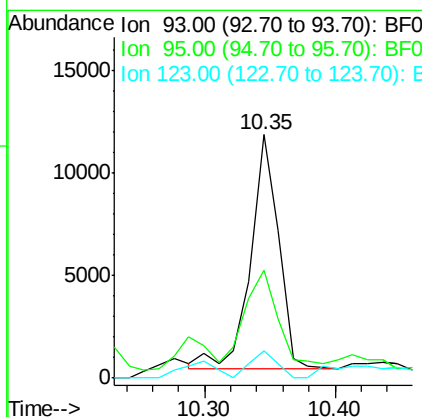
RT: 10.35 min Scan# 810

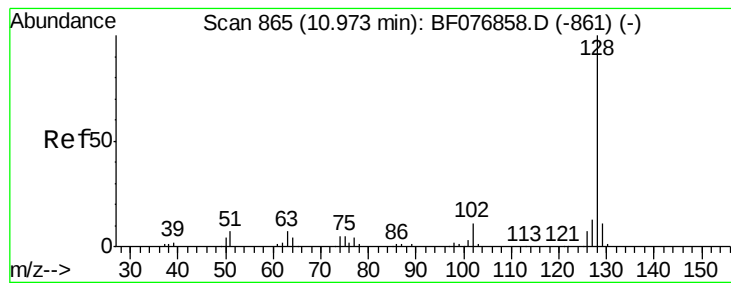
Delta R.T. 0.00 min

Lab File: BF077079.D

Acq: 27 Jan 2015 8:16

Tgt Ion:	93	Resp:	16925
Ion Ratio	Lower	Upper	
93	100		
95	44.5	25.6	38.4#
123	11.1	8.9	13.3





#31

Naphthalene

Concen: 48.69 ng

RT: 10.73 min Scan# 844

Delta R.T. 0.01 min

Lab File: BF077079.D

Acq: 27 Jan 2015 8:16

Instrument :

BNA_F

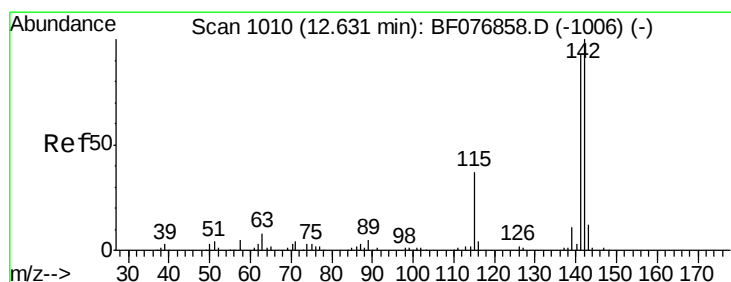
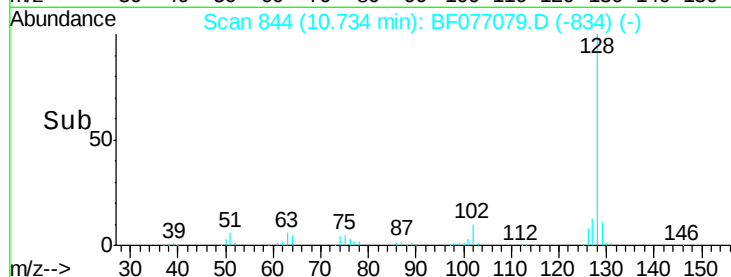
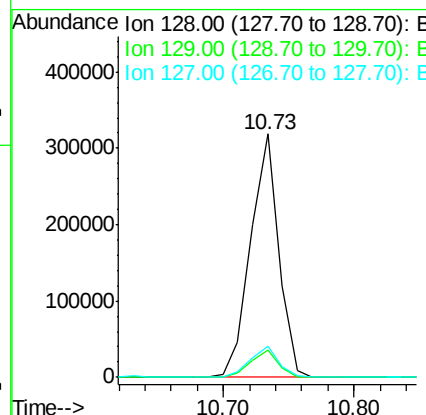
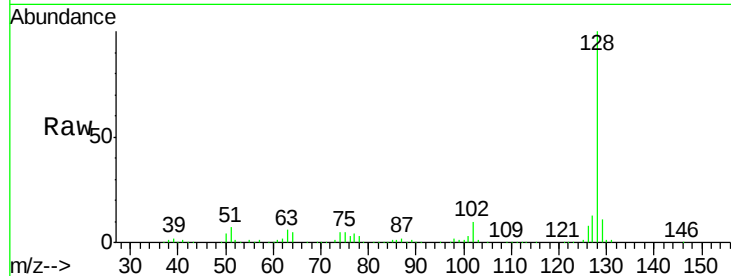
ClientSampleId :

SP-1A

Tgt Ion:	128	Resp:	479955
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.0	13.6
127	13.1	10.2	15.2

Manual Integrations
APPROVED

apatel
1/28/2015 5:42:42 PM



#37

2-Methylnaphthalene

Concen: 11.20 ng

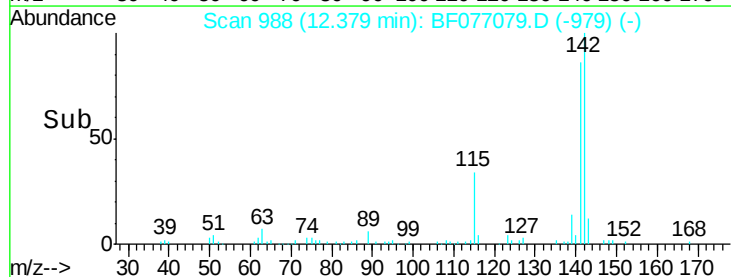
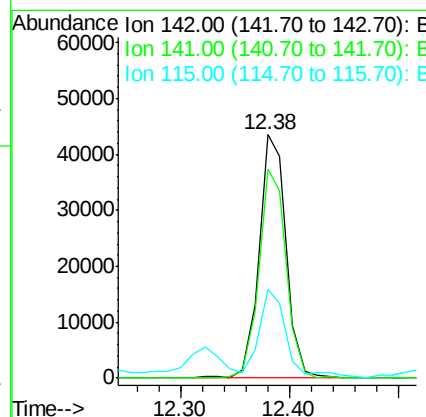
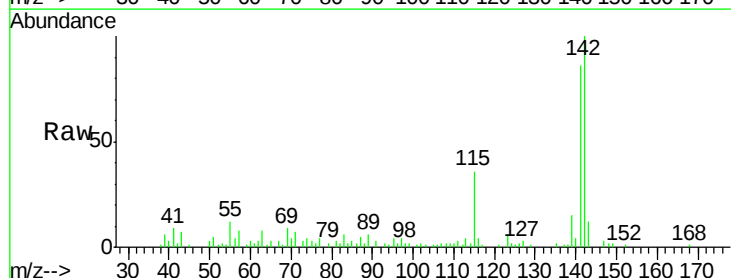
RT: 12.38 min Scan# 988

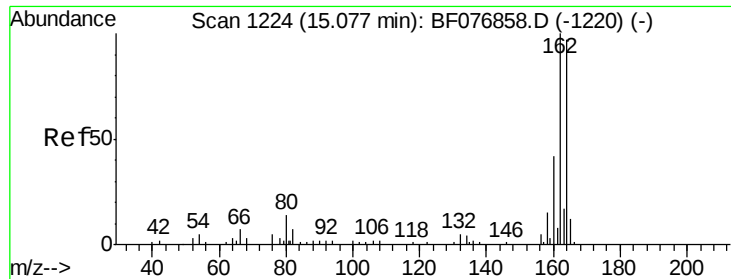
Delta R.T. 0.00 min

Lab File: BF077079.D

Acq: 27 Jan 2015 8:16

Tgt Ion:	142	Resp:	75378
Ion Ratio	Lower	Upper	
142	100		
141	86.0	74.5	111.7
115	36.4	29.7	44.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.81 min Scan# 1201

Delta R.T. 0.01 min

Lab File: BF077079.D

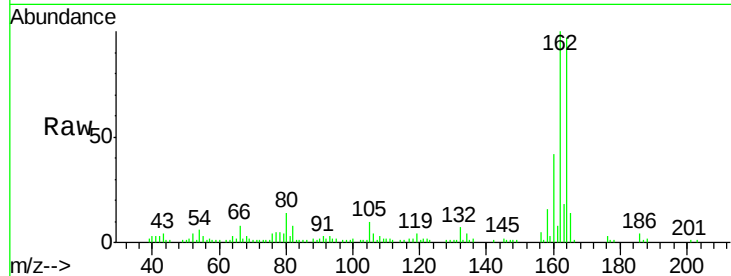
Acq: 27 Jan 2015 8:16

Instrument :

BNA_F

ClientSampleId :

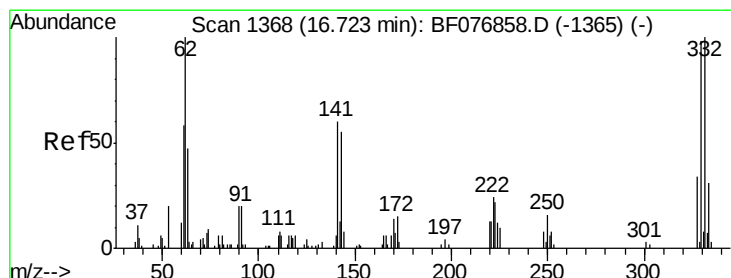
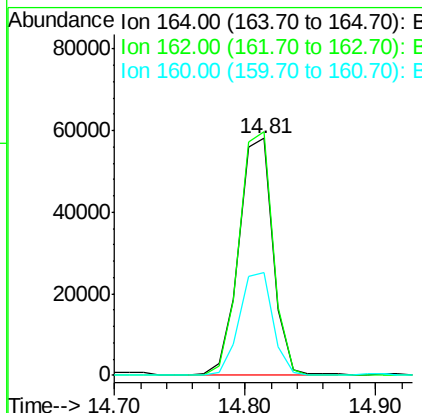
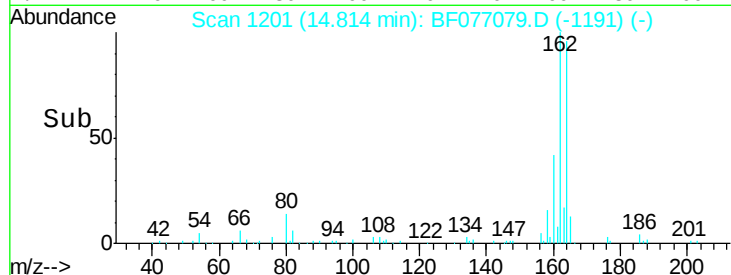
SP-1A



Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.7	82.4	123.6	
160	43.5	34.8	52.2	

Manual Integrations
APPROVED

apatel
1/28/2015 5:42:42 PM



#41

2,4,6-Tribromophenol

Concen: 151.88 ng

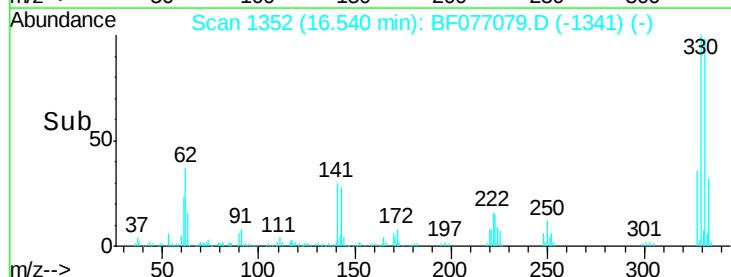
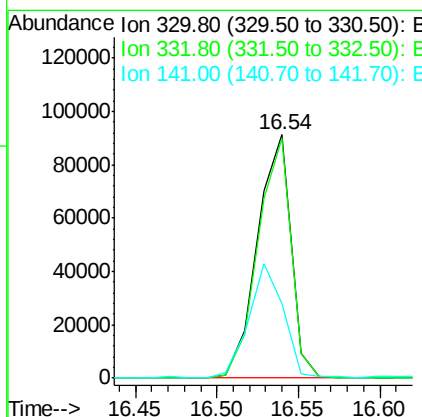
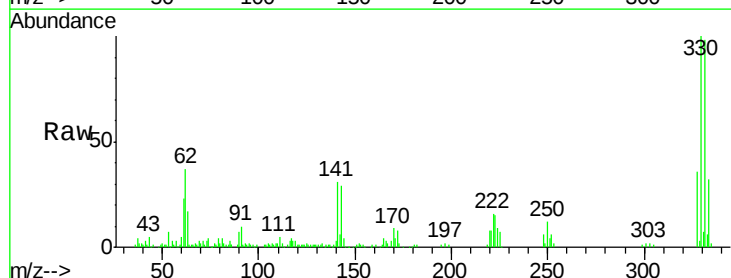
RT: 16.54 min Scan# 1352

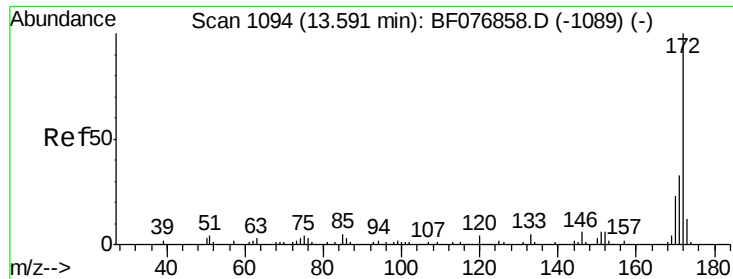
Delta R.T. 0.02 min

Lab File: BF077079.D

Acq: 27 Jan 2015 8:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	77.8	116.6	
141	49.4	38.5	57.7	





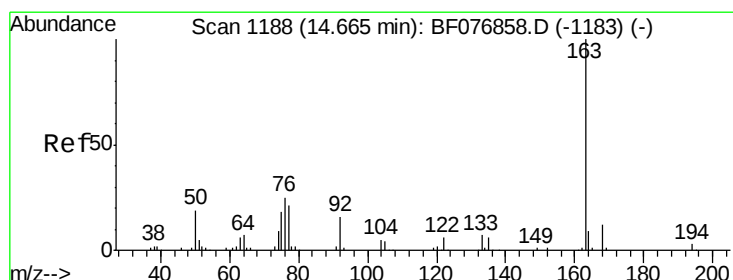
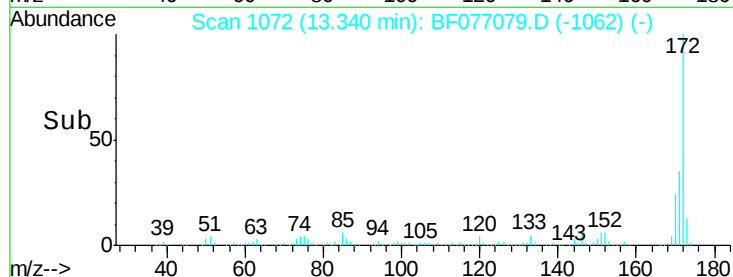
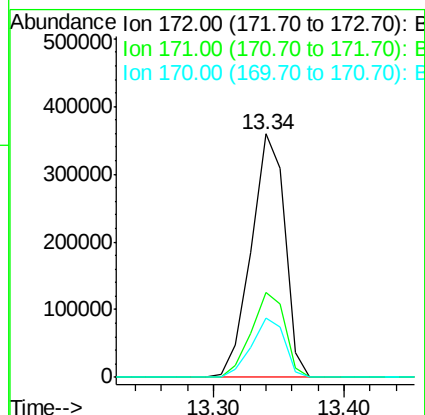
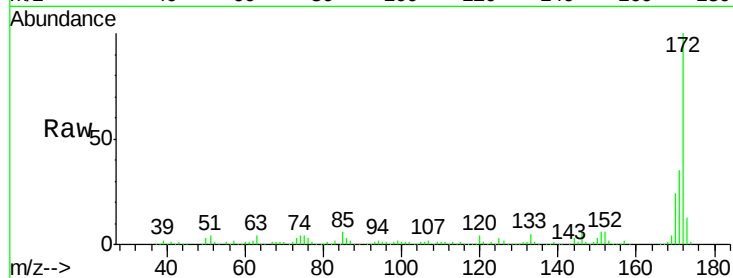
#44
2-Fluorobiphenyl
Concen: 92.85 ng
RT: 13.34 min Scan# 1072
Delta R.T. 0.01 min
Lab File: BF077079.D
Acq: 27 Jan 2015 8:16

Instrument :
BNA_F
ClientSampleId :
SP-1A

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	34.9	26.6	40.0
170	24.2	18.0	27.0

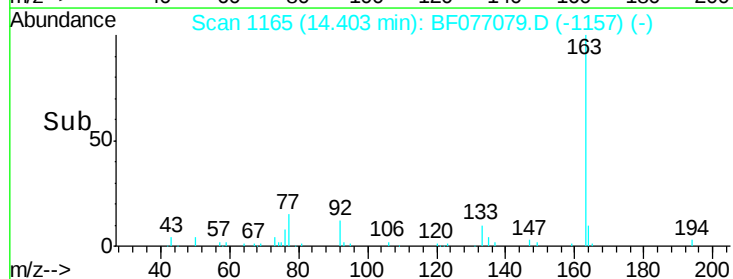
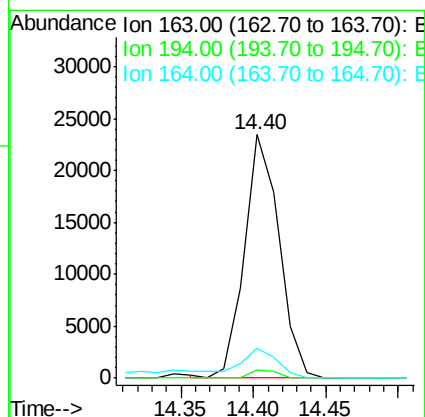
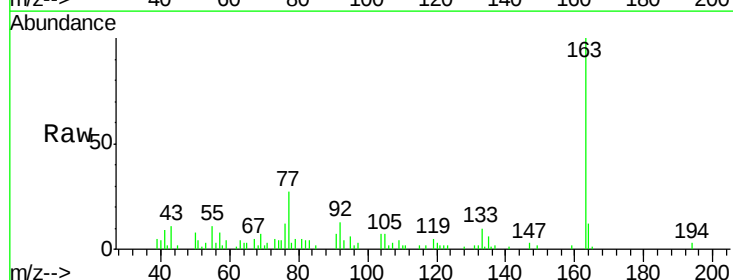
Manual Integrations
APPROVED

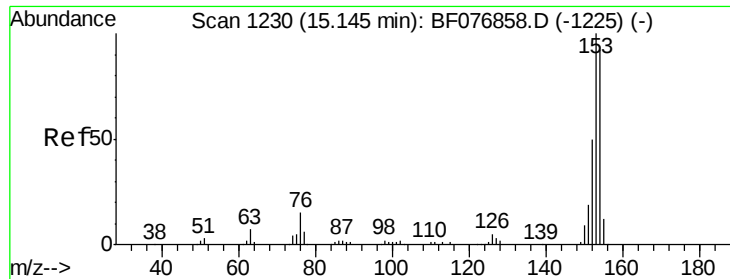
apatel
1/28/2015 5:42:42 PM



#49
Dimethylphthalate
Concen: 5.15 ng
RT: 14.40 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF077079.D
Acq: 27 Jan 2015 8:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.2	2.6	4.0
164	12.3	7.5	11.3#





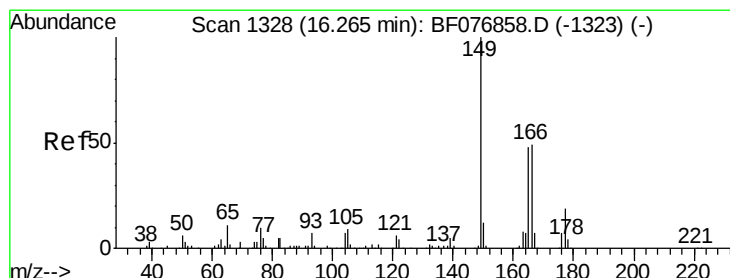
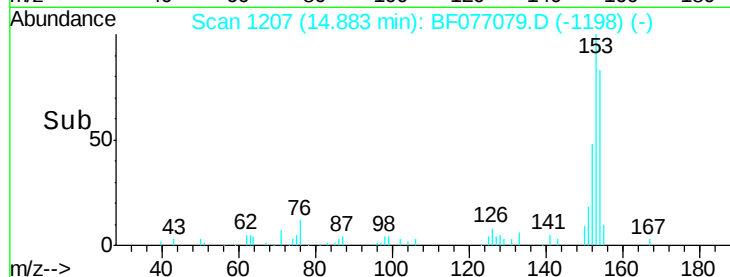
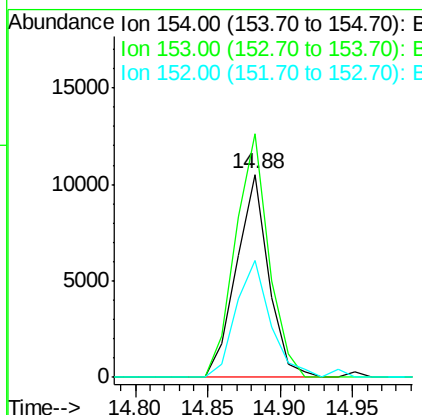
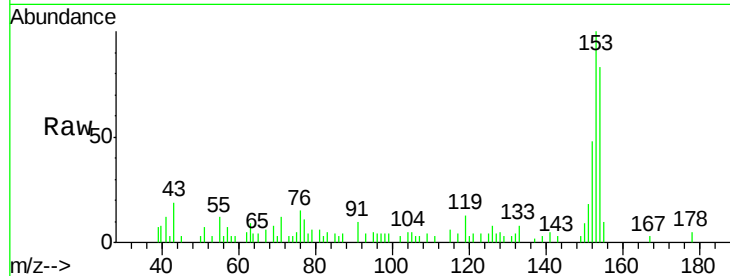
#51
Acenaphthene
Concen: 2.62 ng
RT: 14.88 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF077079.D
Acq: 27 Jan 2015 8:16

Instrument :
BNA_F
ClientSampleId :
SP-1A

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	16257		
153	119.8	87.0	130.6	
152	57.7	43.5	65.3	

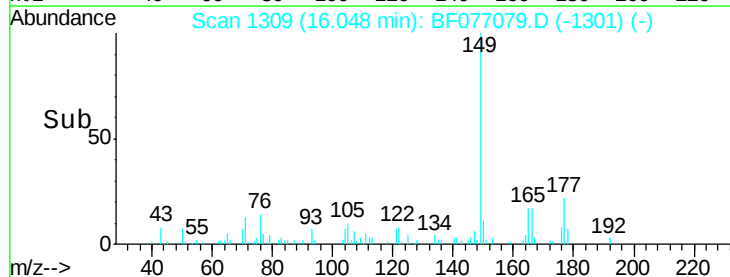
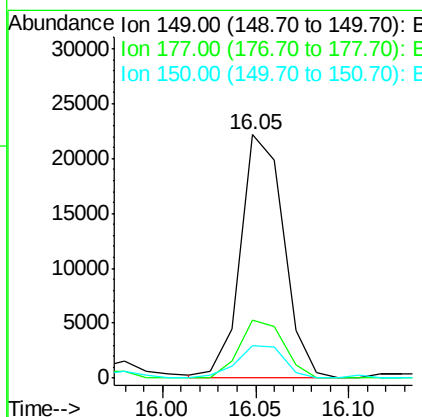
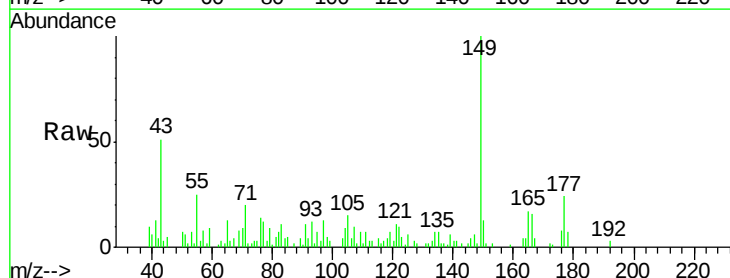
Manual Integrations
APPROVED

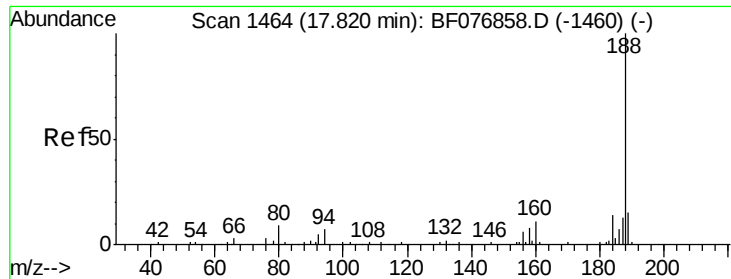
apatel
1/28/2015 5:42:42 PM



#59
Diethylphthalate
Concen: 4.68 ng
RT: 16.05 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF077079.D
Acq: 27 Jan 2015 8:16

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	35628		
177	23.9	15.0	22.6#	
150	13.5	9.4	14.0	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.64 min Scan# 1448

Delta R.T. 0.00 min

Lab File: BF077079.D

Acq: 27 Jan 2015 8:16

Instrument :

BNA_F

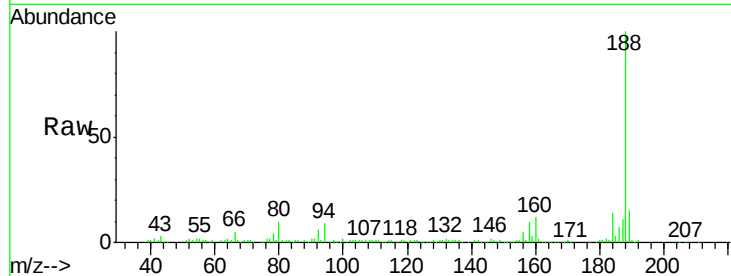
ClientSampleId :

SP-1A

Tgt Ion:	188	Resp:	174008
Ion Ratio	Lower	Upper	
188	100		
94	8.6	6.0	9.0
80	9.7	6.9	10.3

Manual Integrations
APPROVED

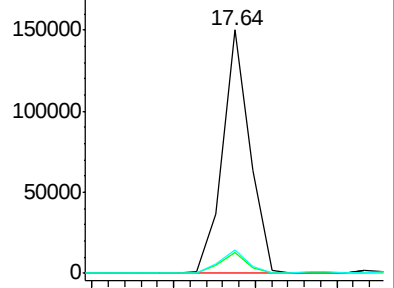
apatel
1/28/2015 5:42:42 PM



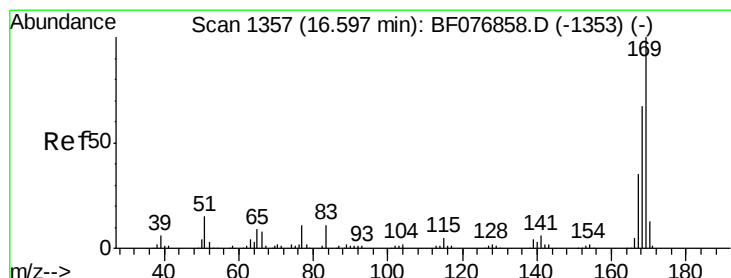
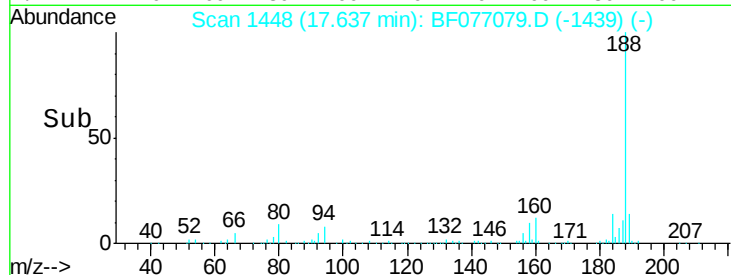
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time--> 17.55 17.60 17.65 17.70



#65

n-Nitrosodiphenylamine

Concen: 13.91 ng

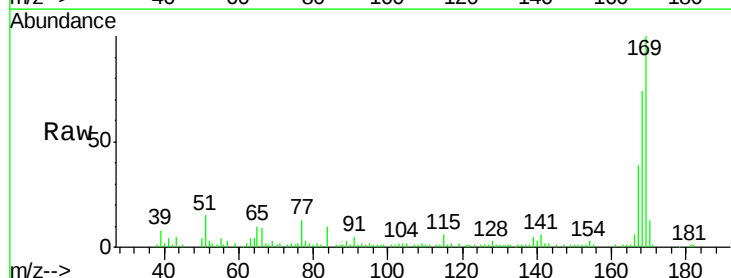
RT: 16.40 min Scan# 1340

Delta R.T. 0.01 min

Lab File: BF077079.D

Acq: 27 Jan 2015 8:16

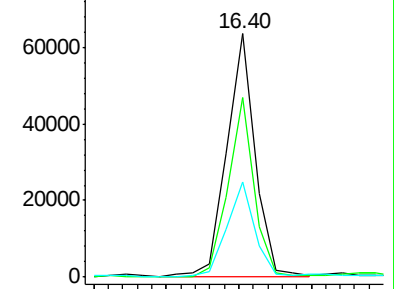
Tgt Ion:	169	Resp:	86296
Ion Ratio	Lower	Upper	
169	100		
168	73.8	53.8	80.6
167	38.9	27.8	41.6



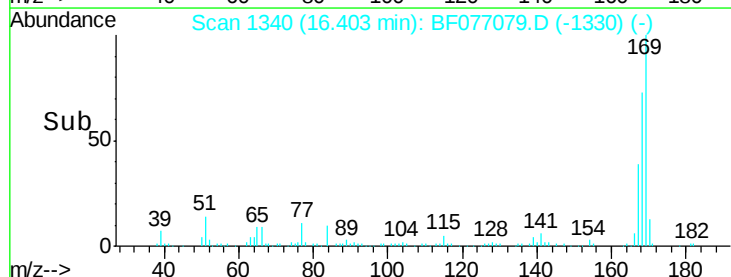
Abundance Ion 169.00 (168.70 to 169.70): E

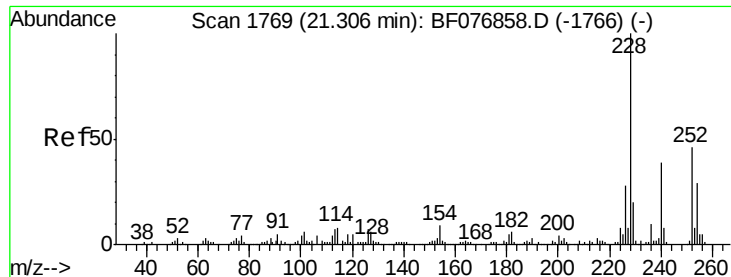
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 16.30 16.35 16.40 16.45





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.15 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BF077079.D

Acq: 27 Jan 2015 8:16

Instrument :

BNA_F

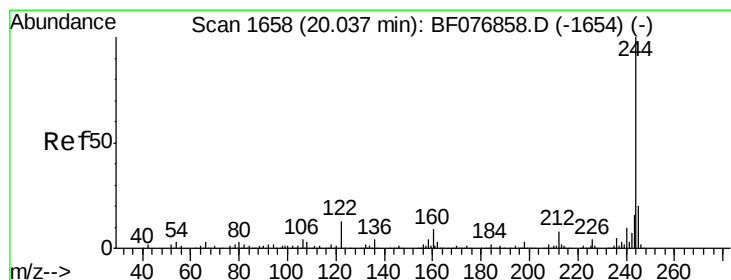
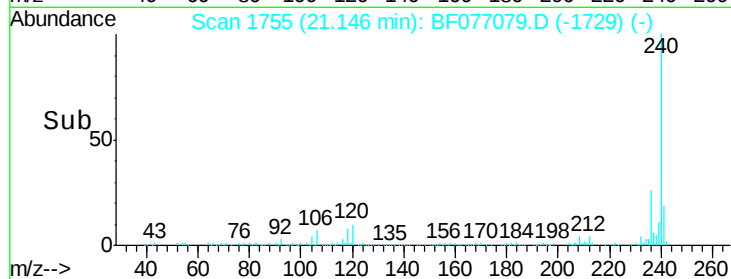
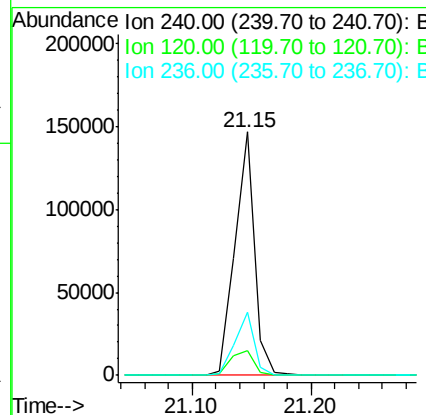
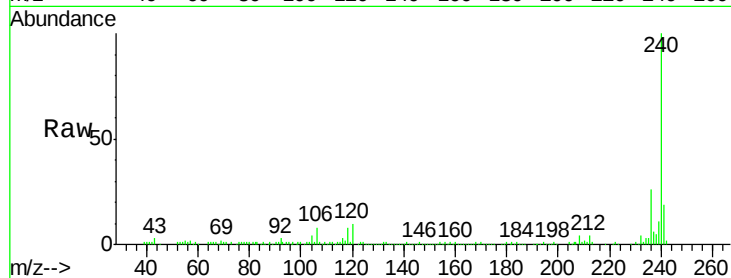
ClientSampleId :

SP-1A

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	168032		
120	10.1	10.4	15.6#	
236	25.8	20.2	30.2	

Manual Integrations
APPROVED

apatel
1/28/2015 5:42:42 PM



#78

Terphenyl-d14

Concen: 83.33 ng

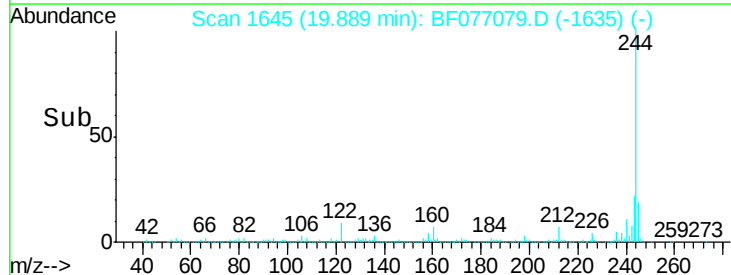
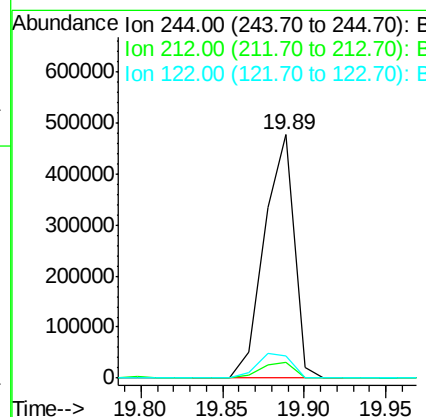
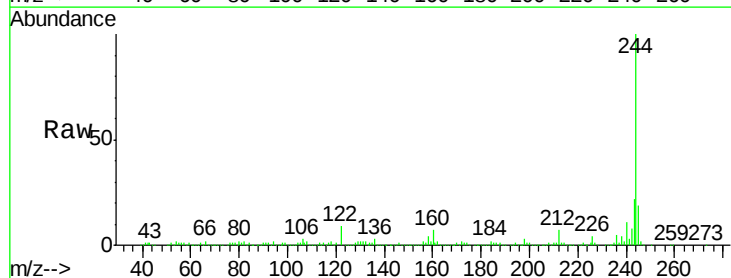
RT: 19.89 min Scan# 1645

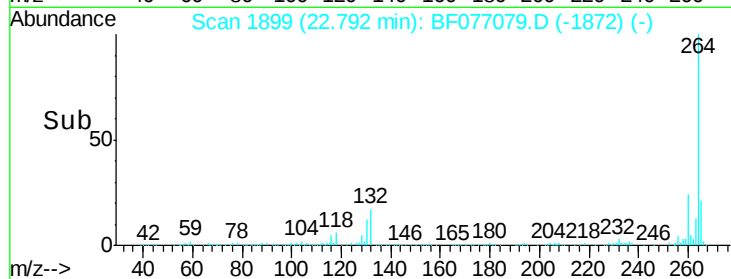
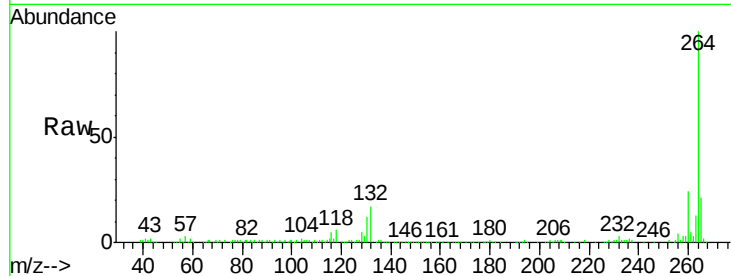
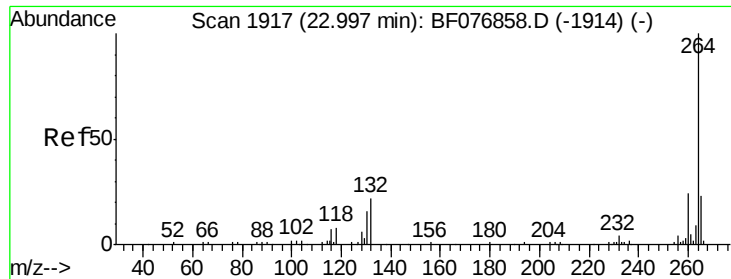
Delta R.T. 0.01 min

Lab File: BF077079.D

Acq: 27 Jan 2015 8:16

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	608248		
212	6.7	6.3	9.5	
122	9.0	10.1	15.1#	





#86
Perylene-d12
Concen: 20.00 ng
RT: 22.79 min Scan# 1899
Delta R.T. 0.01 min
Lab File: BF077079.D
Acq: 27 Jan 2015 8:16

Instrument :
BNA_F
ClientSampleId :
SP-1A

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.9	19.0	28.4
265	20.5	18.1	27.1

Manual Integrations
APPROVED

apatel
1/28/2015 5:42:42 PM

