

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040816\
 Data File : BF086190.D
 Acq On : 9 Apr 2016 1:34
 Operator : UM/SJ
 Sample : H2334-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TW-1-04062016

Manual Integrations
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 4/11/2016 5:45:26 PM

Quant Time: Apr 11 16:11:57 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	24472	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	78672m	20.00	ng	0.01
38) Acenaphthene-d10	9.76	164	42748	20.00	ng	-0.06
63) Phenanthrene-d10	11.15	188	14423	20.00	ng	-0.15
75) Chrysene-d12	13.91	240	197836	20.00	ng	-0.02
86) Perylene-d12	15.29	264	207515	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	154363	107.82	ng	-0.03
7) Phenol-d6	6.40	99	162596	89.41	ng	-0.02
23) Nitrobenzene-d5	7.32	82	188448	141.26	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	25118	62.60	ng	0.08
44) 2-Fluorobiphenyl	9.22	172	192903	75.03	ng	0.08
78) Terphenyl-d14	12.88	244	372051	44.21	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	2.97	42	6310	9.44	ng	# 1
6) Aniline	6.43	93	12536	5.25	ng	# 1
8) 2-Chlorophenol	6.28	128	4252	2.49	ng	# 1
9) Benzaldehyde	6.29	77	499625	510.59	ng	# 1
10) Phenol	6.41	94	6526	3.15	ng	# 1
11) bis(2-Chloroethyl)ether	6.43	93	12986	7.91	ng	# 1
15) Benzyl Alcohol	6.81	79	165647	140.79	ng	# 21
17) 2-Methylphenol	7.04	107	9420	7.00	ng	# 1
18) Hexachloroethane	7.33	117	1580373	2304.73	ng	# 1
19) n-Nitroso-di-n-propylamine	7.20	70	132377	117.44	ng	# 65
20) 3+4-Methylphenols	7.09	107	3491	2.13	ng	# 1
22) Acetophenone	7.09	105	636843	344.35	ng	# 60
24) Nitrobenzene	7.55	77	166823	114.30	ng	# 69
25) Isophorone	7.64	82	317148	120.43	ng	# 1
26) 2-Nitrophenol	7.74	139	101376	145.18	ng	# 1
27) 2,4-Dimethylphenol	7.77	122	44007	35.09	ng	# 1
28) bis(2-Chloroethoxy)methane	7.93	93	7461	4.83	ng	# 1
29) 2,4-Dichlorophenol	8.04	162	396837	374.27	ng	# 40
30) 1,2,4-Trichlorobenzene	8.03	180	22053	18.53	ng	# 1
31) Naphthalene	8.14	128	692797	175.07	ng	# 20
32) Benzoic acid	7.98	122	14165	15.40	ng	# 1
33) 4-Chloroaniline	8.14	127	231107	144.58	ng	# 1
35) Caprolactam	8.60	113	181705	540.20	ng	# 1
36) 4-Chloro-3-methylphenol	8.65	107	54841	46.01	ng	# 43
37) 2-Methylnaphthalene	8.89	142	1183329	457.75	ng	# 82
42) 2,4,6-Trichlorophenol	8.98	196	31905	38.67	ng	# 18
43) 2,4,5-Trichlorophenol	8.98	196	31905	38.09	ng	# 1
45) 1,1'-Biphenyl	9.09	154	104261	28.29	ng	# 83
46) 2-Chloronaphthalene	9.16	162	19031	7.12	ng	# 1
47) 2-Nitroaniline	9.41	65	54469	69.67	ng	# 54
48) Acenaphthylene	9.70	152	25160	5.88	ng	# 1
49) Dimethylphthalate	9.47	163	79529	25.10	ng	# 1
50) 2,6-Dinitrotoluene	9.42	165	129301	192.89	ng	# 80
51) Acenaphthene	9.81	154	16236	6.38	ng	# 65

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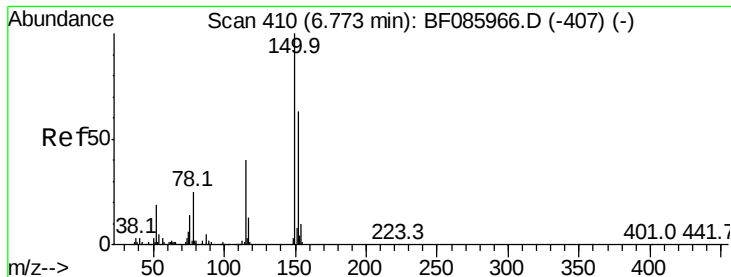
Manual Integrations
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Quant Time: Apr 11 16:11:57 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) 3-Nitroaniline	9.73	138	42514	52.62	nq	# 1
53) 2,4-Dinitrophenol	9.84	184	2145	10.32	nq	# 1
54) Dibenzofuran	9.89	168	322134	95.82	nq	# 82
55) 4-Nitrophenol	9.95	139	65048	136.57	nq	# 1
56) 2,4-Dinitrotoluene	9.89	165	74814	88.32	nq	# 66
57) Fluorene	10.26	166	12358	4.30	nq	# 1
58) 2,3,4,6-Tetrachlorophenol	9.98	232	4438	7.12	nq	# 31
59) Diethylphthalate	10.25	149	163303	51.07	nq	# 35
60) 4-Chlorophenyl-phenylether	10.25	204	98373	73.54	nq	# 1
61) 4-Nitroaniline	10.42	138	56879	71.49	nq	# 25
62) Azobenzene	10.44	77	180345	58.88	nq	# 1
64) 4,6-Dinitro-2-methylphenol	10.32	198	1653	18.91	nq	# 1
65) n-Nitrosodiphenylamine	10.26	169	65676	145.60	nq	# 59
66) 4-Bromophenyl-phenylether	10.69	248	7534	51.16	nq	# 1
68) Atrazine	10.88	200	30878	211.87	nq	# 6
69) Pentachlorophenol	10.98	266	2829	39.64	nq	# 47
70) Phenanthrene	11.02	178	74895	95.18	nq	# 1
71) Anthracene	11.39	178	188600	228.82	nq	# 47
72) Carbazole	11.41	167	156161	220.40	nq	# 1
73) Di-n-butylphthalate	11.74	149	95531	108.81	nq	# 1
74) Fluoranthene	12.30	202	13157	16.08	nq	# 1
77) Pyrene	12.75	202	201253	14.44	nq	# 91
79) Butylbenzylphthalate	13.47	149	38139	6.08	nq	# 15
80) Benzo(a)anthracene	13.93	228	25163	2.16	nq	# 1
82) Chrysene	13.93	228	25072	2.23	nq	# 1
83) Bis(2-ethylhexyl)phthalate	13.79	149	21467	2.58	nq	# 2

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



#1

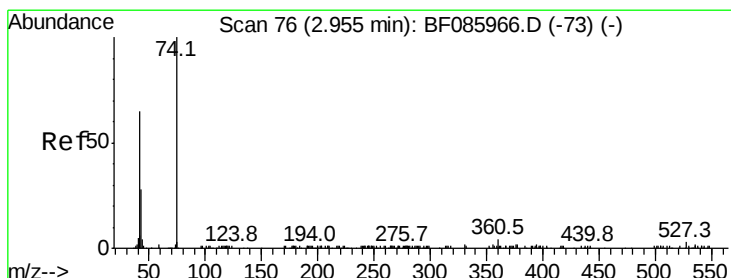
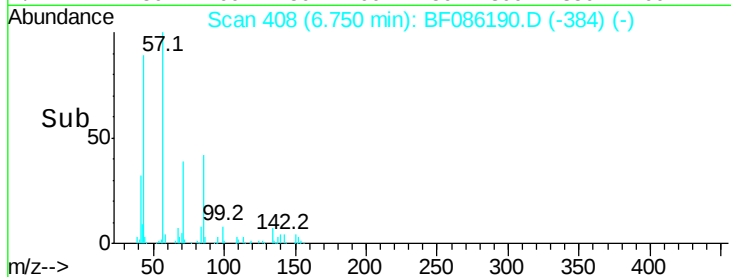
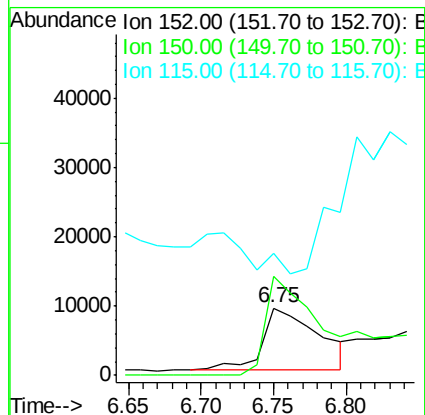
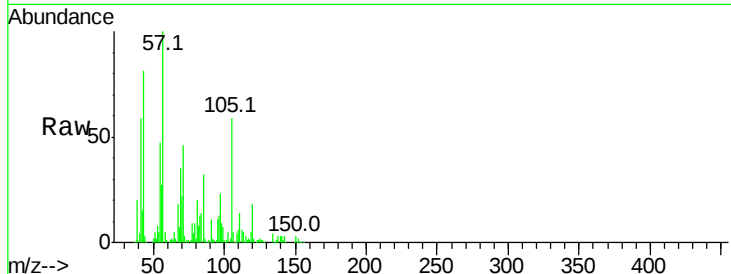
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 408
Delta R.T. -0.02 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

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Tot Ion	Ratio	Lower	Upper
152	100		
150	148.0	124.2	186.2
115	181.3	47.0	70.6#

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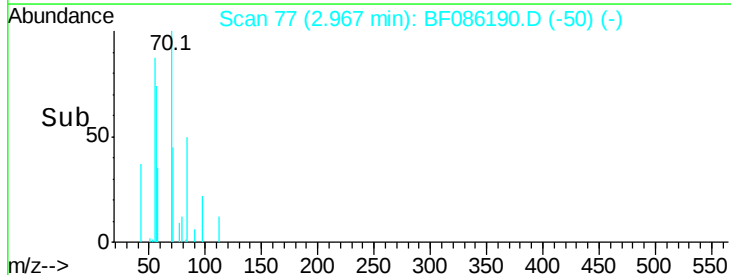
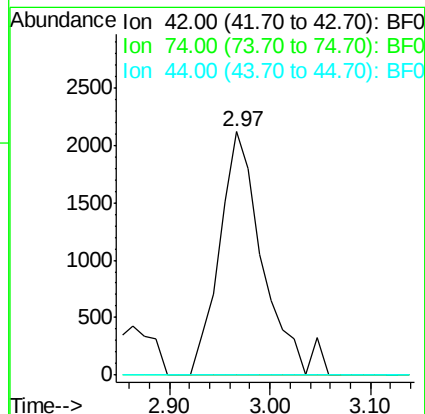
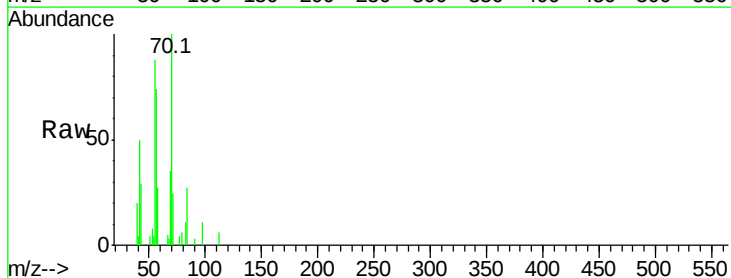
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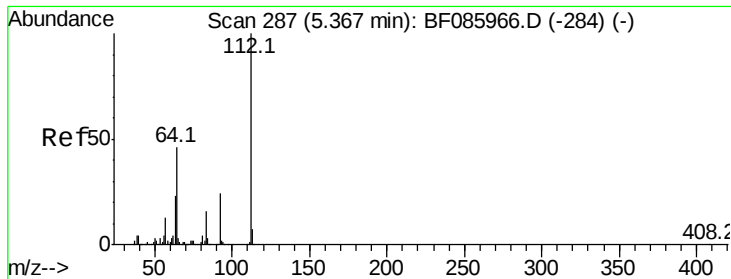


#4

n-Nitrosodimethylamine
Concen: 9.44 ng
RT: 2.97 min Scan# 77
Delta R.T. 0.01 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Tgt Ion	Ratio	Lower	Upper
42	100		
74	0.0	121.4	182.2#
44	0.0	5.6	8.4#





#5

2-Fluorophenol

Concen: 107.82 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.03 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Instrument :

BNA_F

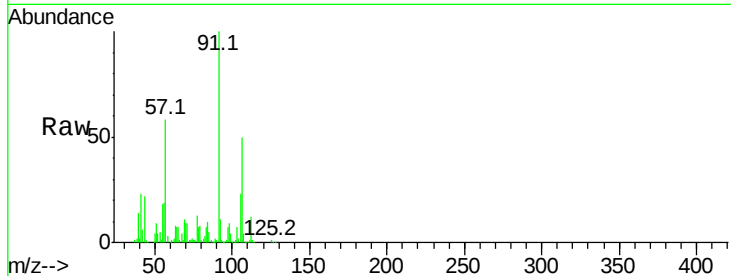
ClientSampleId :

TW-1-04062016

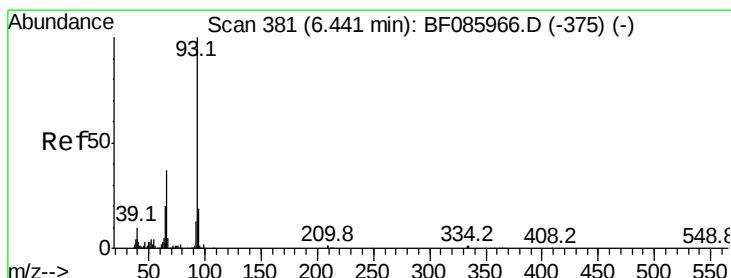
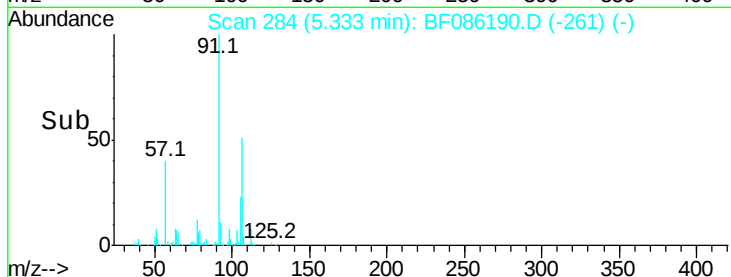
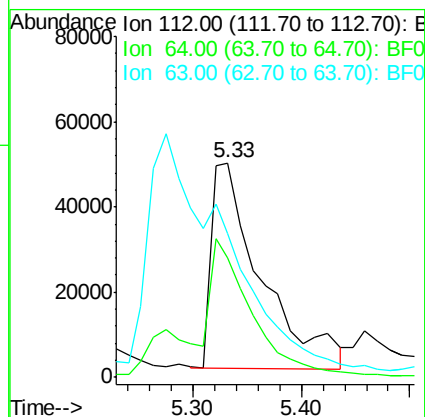
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Tot Ion	Ratio	Resp	Lower	Upper
112	100			
64	56.0	39.9	59.9	
63	67.2	20.2	30.2	



#6

Aniline

Concen: 5.25 ng

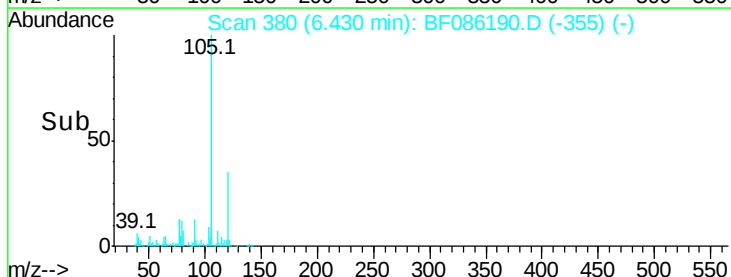
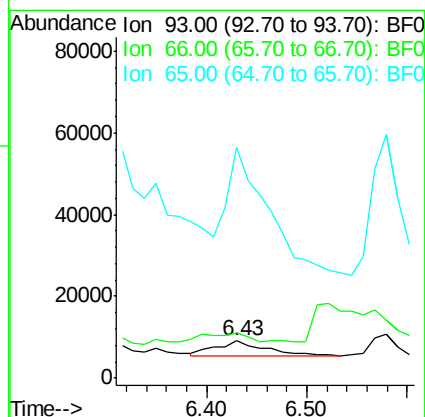
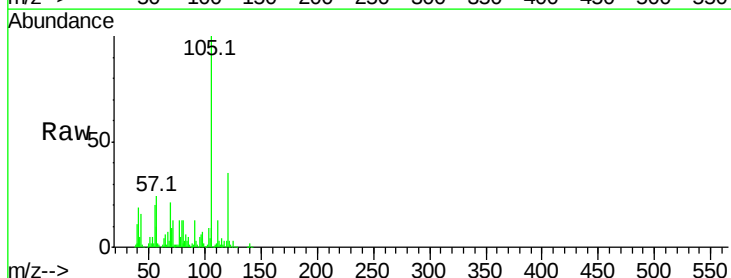
RT: 6.43 min Scan# 380

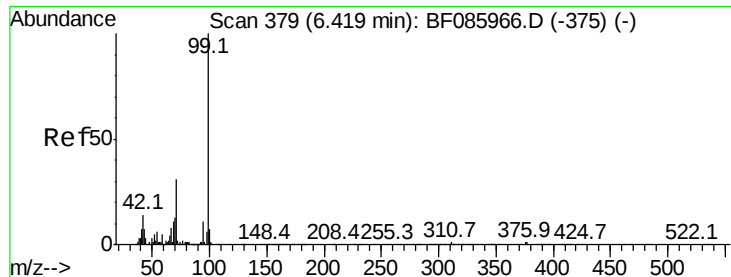
Delta R.T. -0.01 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
66	122.2	31.4	47.2	
65	617.0	15.7	23.5	





#7

Phenol-d6

Concen: 89.41 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Instrument :

BNA_F

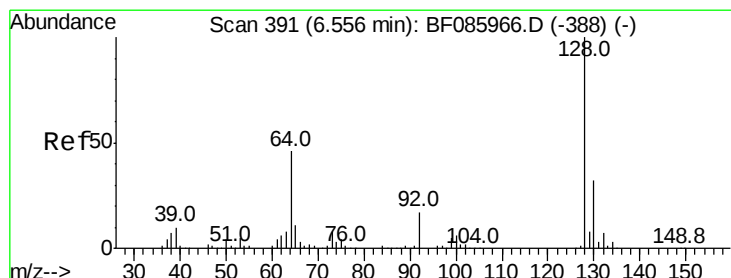
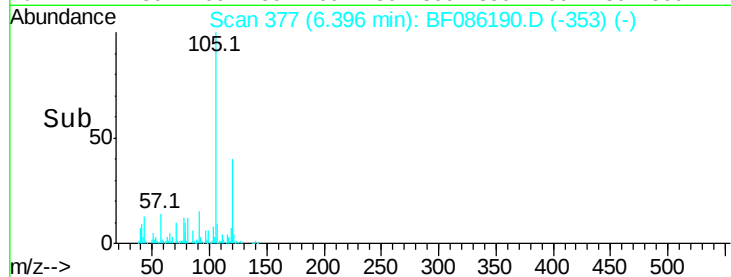
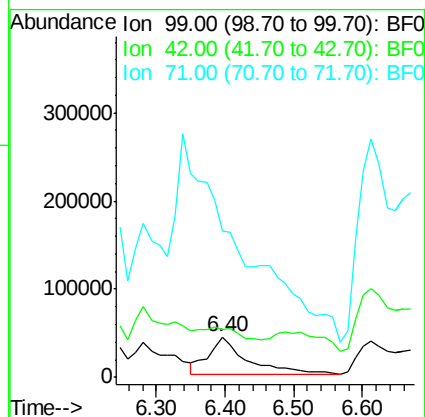
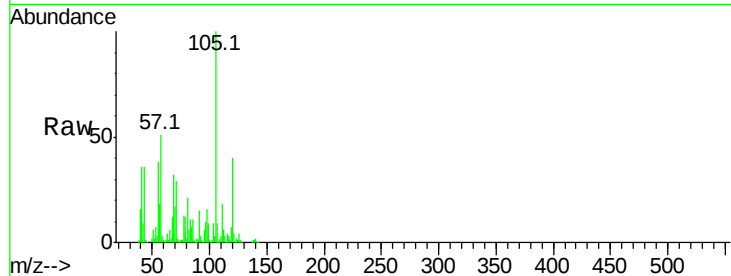
ClientSampleId :

TW-1-04062016

Tot Ion:	99	Resp:	162596
Ion Ratio	Lower	Upper	
99	100		
42	119.4	11.1	16.7#
71	366.5	24.9	37.3#

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#8

2-Chlorophenol

Concen: 2.49 ng

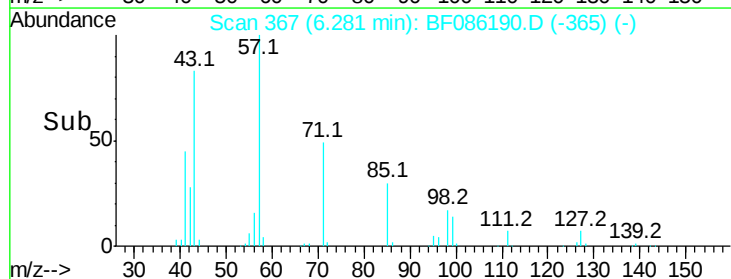
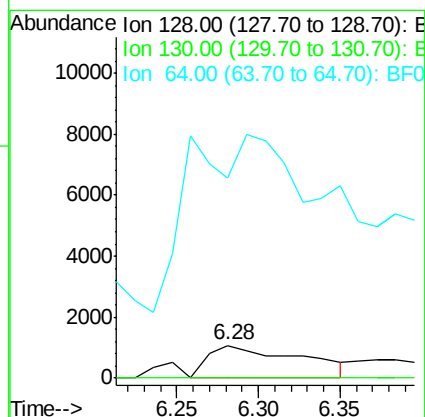
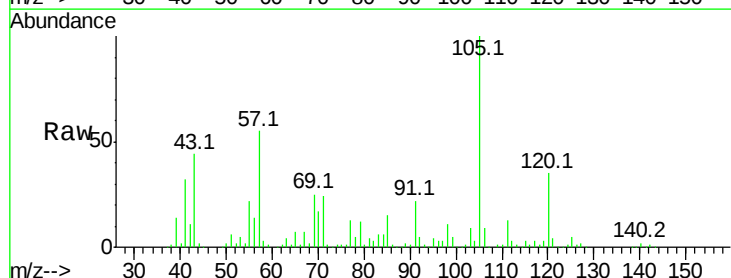
RT: 6.28 min Scan# 367

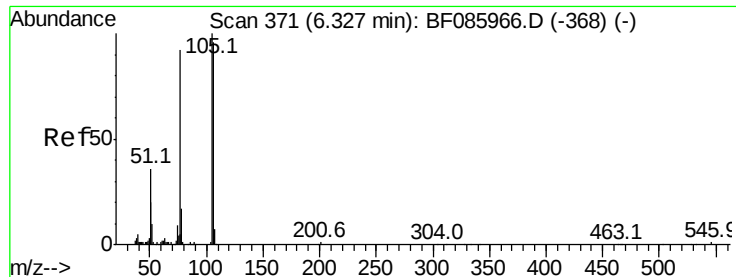
Delta R.T. -0.27 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Tgt Ion:	128	Resp:	4252
Ion Ratio	Lower	Upper	
128	100		
130	0.0	12.9	52.9#
64	617.1	20.2	60.2#





#9

Benzaldehyde

Concen: 510.59 ng

RT: 6.29 min Scan# 368

Delta R.T. -0.03 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Instrument :

BNA_F

ClientSampleId :

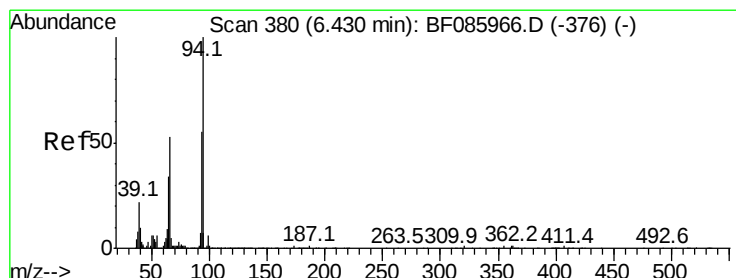
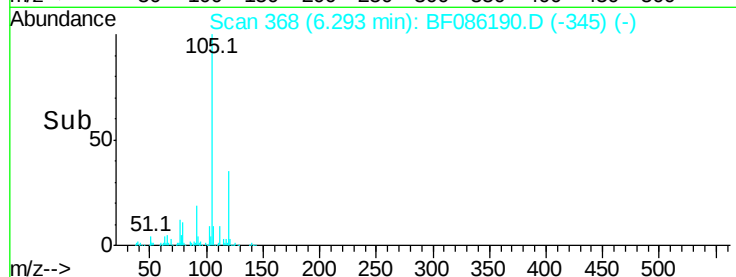
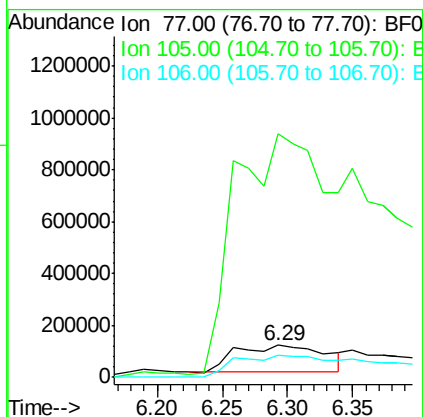
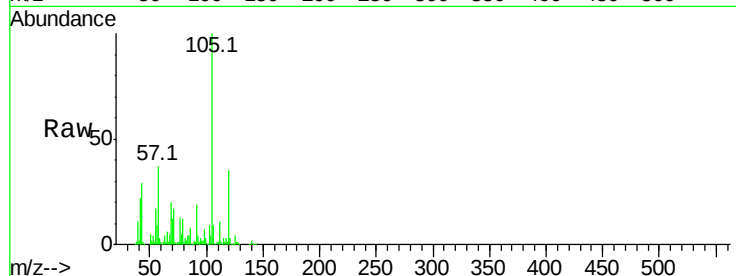
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Tot Ion:	77	Resp:	499625
Ion Ratio	Lower	Upper	
77	100		
105	758.3	80.1	120.1#
106	68.4	75.0	115.0#



#10

Phenol

Concen: 3.15 ng

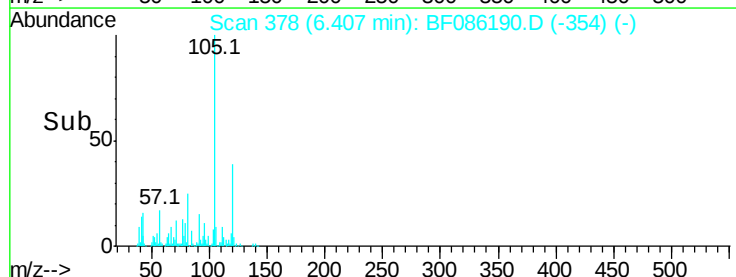
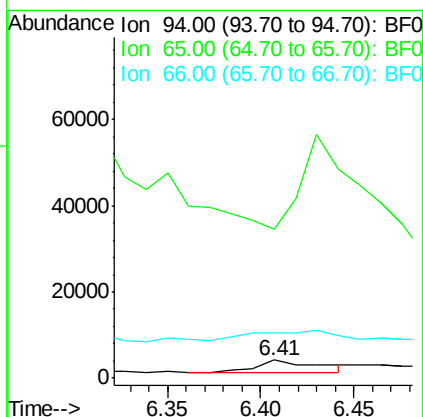
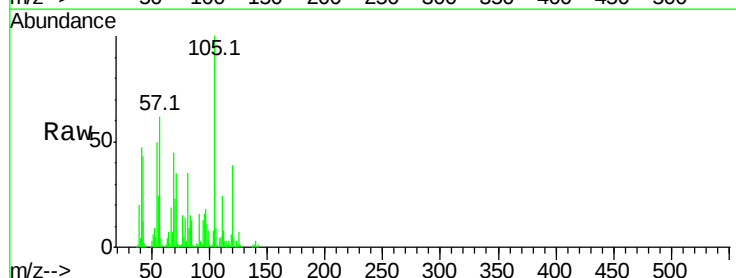
RT: 6.41 min Scan# 378

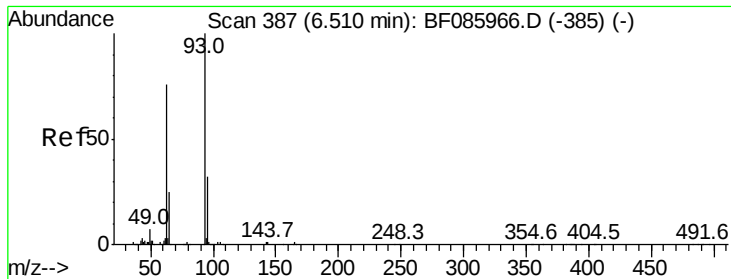
Delta R.T. -0.02 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Tgt Ion:	94	Resp:	6526
Ion Ratio	Lower	Upper	
94	100		
65	840.3	8.6	48.6#
66	257.5	20.0	60.0#





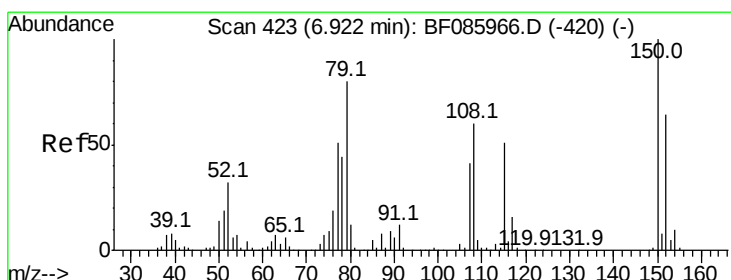
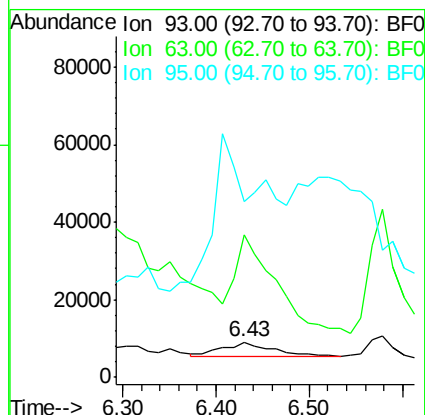
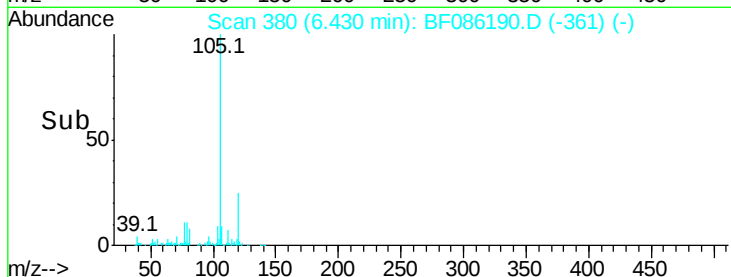
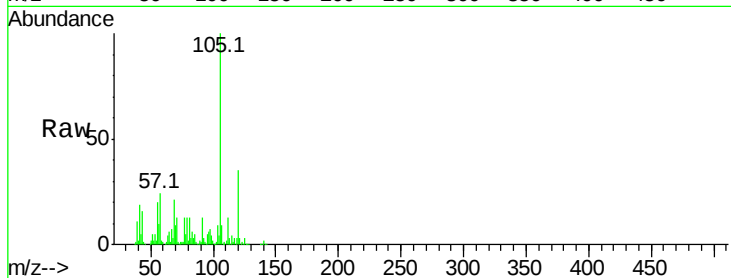
#11
bis(2-Chloroethyl)ether
Concen: 7.91 ng
RT: 6.43 min Scan# 380
Delta R.T. -0.08 min
Lab File: BF086190.D
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Tot Ion	Ratio	Resp	Lower	Upper
93	100			
63	401.0	50.9	90.9#	
95	494.9	13.3	53.3#	

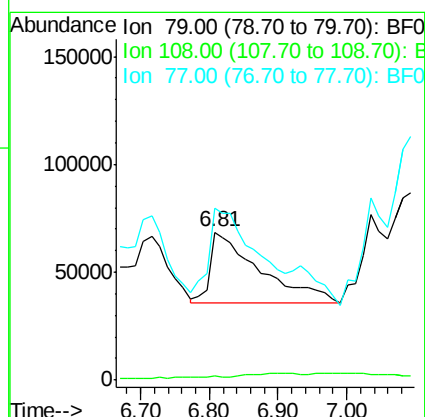
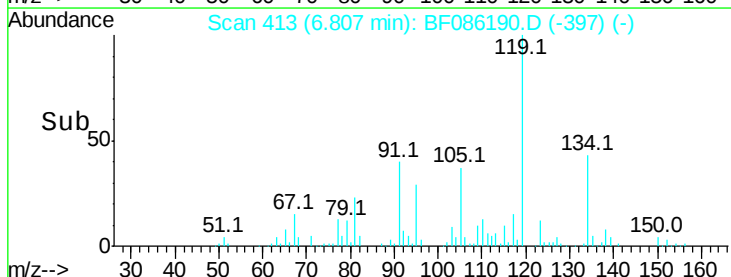
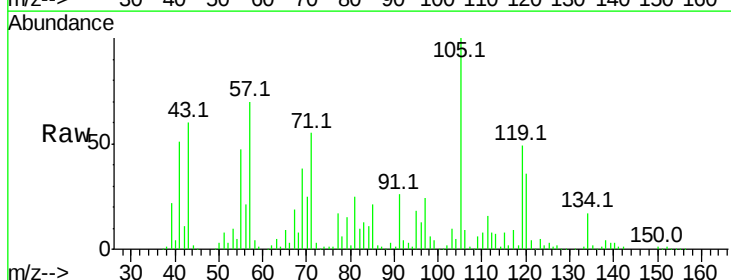
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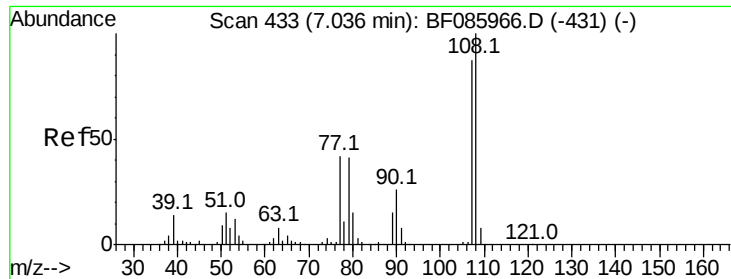
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#15
Benzyl Alcohol
Concen: 140.79 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.11 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
79	100			
108	2.6	61.8	92.6#	
77	116.4	49.6	74.4#	





#17

2-Methylphenol

Concen: 7.00 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.00 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Instrument :

BNA_F

ClientSampleId :

TW-1-04062016

Tot Ion:107 Resp: 9420

Ion Ratio Lower Upper

107 100

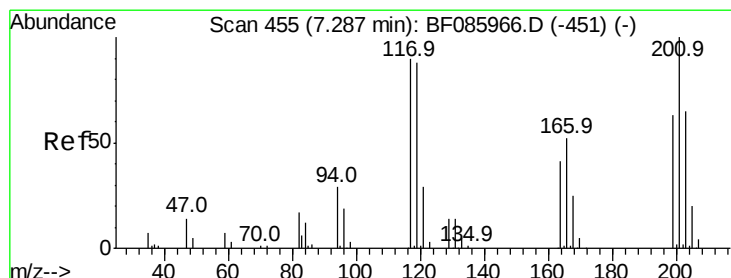
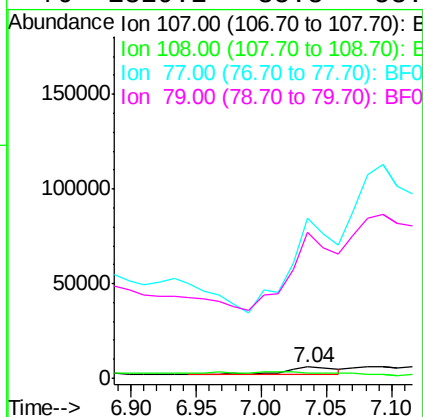
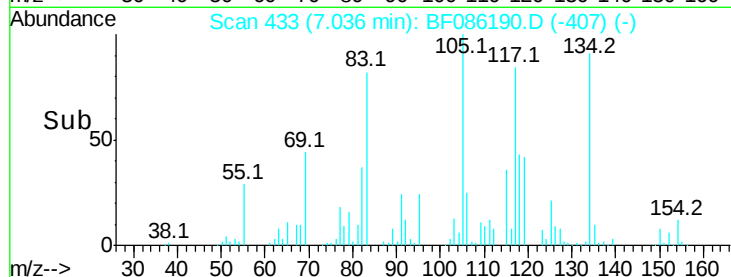
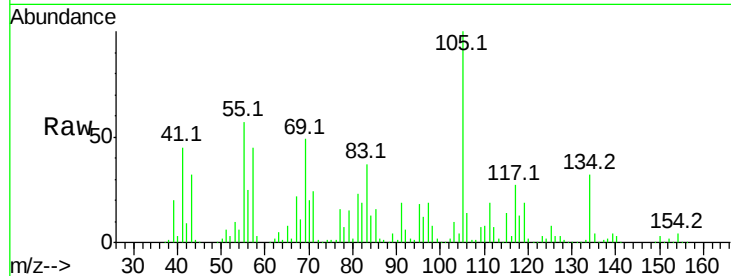
108 47.6 91.4 137.0#

77 1458.1 36.2 54.2#

79 1329.2 35.8 53.8#

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#18

Hexachloroethane

Concen: 2304.73 ng

RT: 7.33 min Scan# 459

Delta R.T. 0.05 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

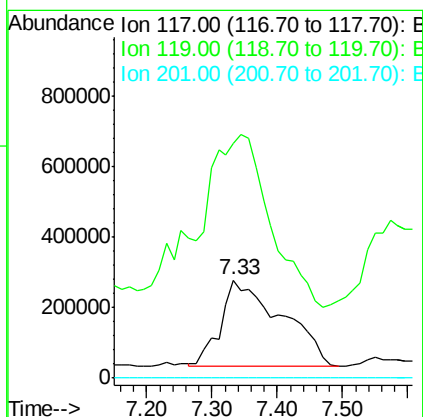
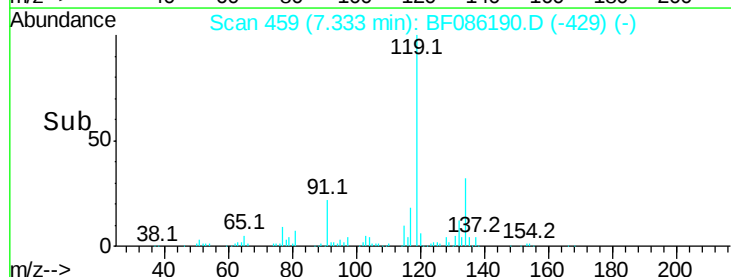
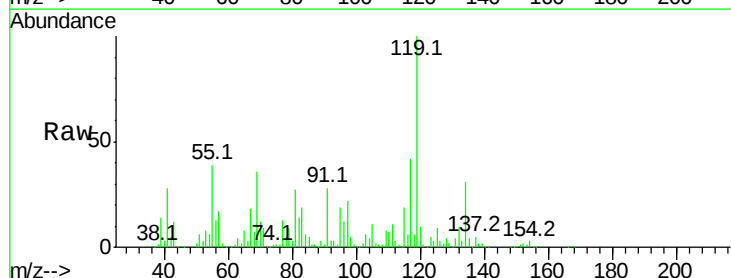
Tgt Ion:117 Resp: 1580373

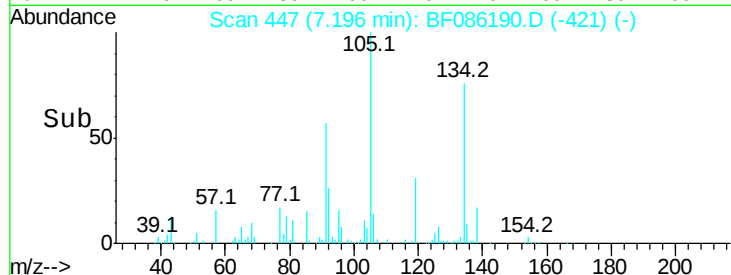
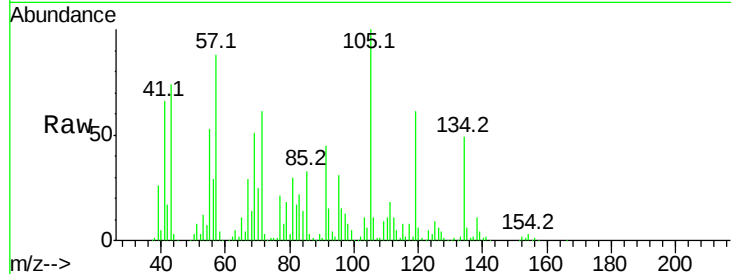
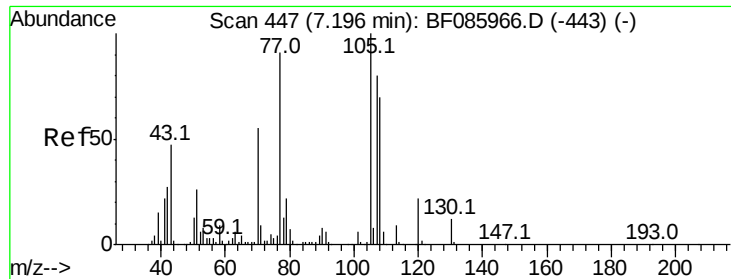
Ion Ratio Lower Upper

117 100

119 238.9 76.7 115.1#

201 0.0 83.3 124.9#





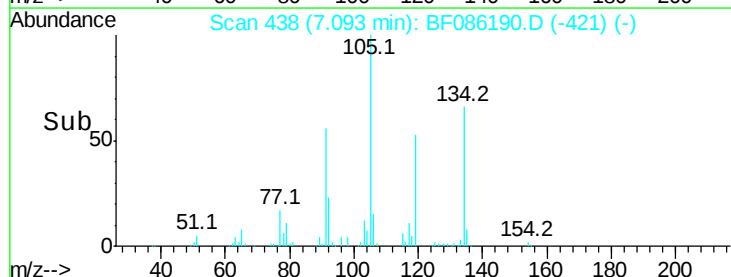
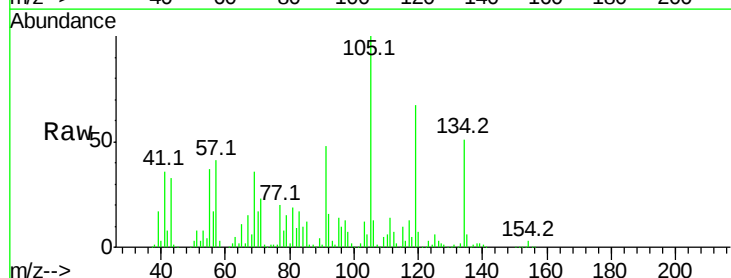
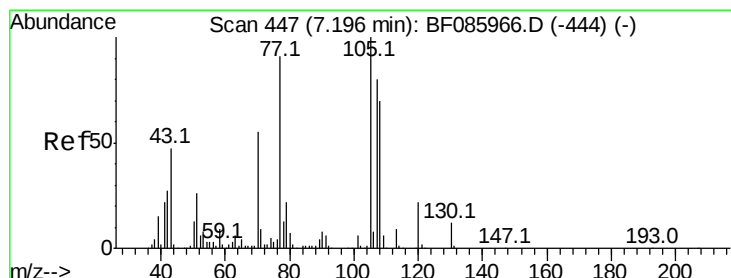
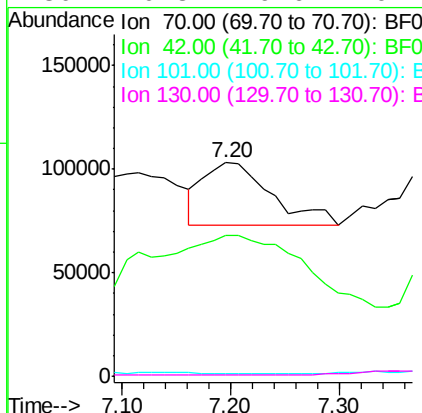
#19
n-Nitroso-di-n-propylamine
Concen: 117.44 ng
RT: 7.20 min Scan# 447
Delta R.T. -0.00 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Instrument :
BNA_F
ClientSampleId :
TW-1-04062016

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	66.1	37.1	55.7#	
101	1.2	8.6	12.8#	
130	0.3	19.6	29.4#	

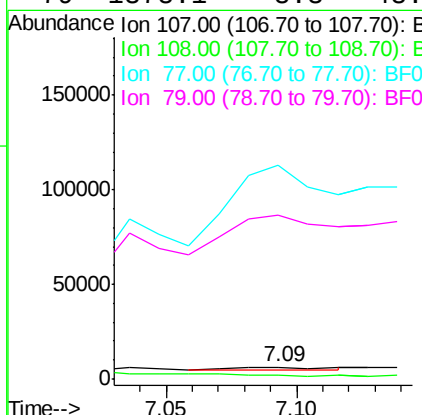
Manual Integrations
APPROVED

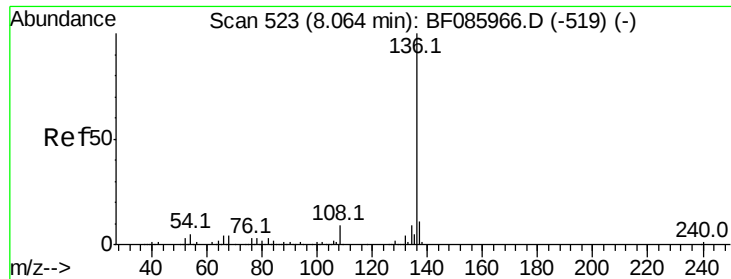
Sohil
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#20
3+4-Methylphenols
Concen: 2.13 ng
RT: 7.09 min Scan# 438
Delta R.T. -0.10 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	28.9	69.3	109.3#	
77	1794.2	101.7	141.7#	
79	1378.1	8.3	48.3#	





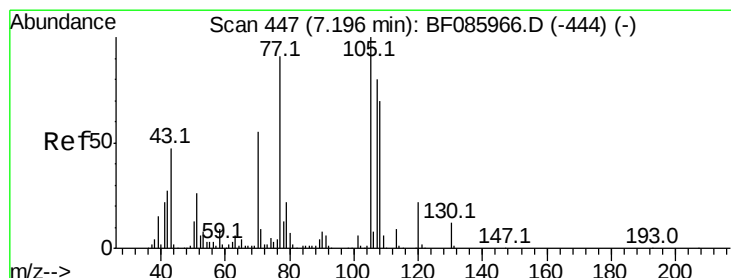
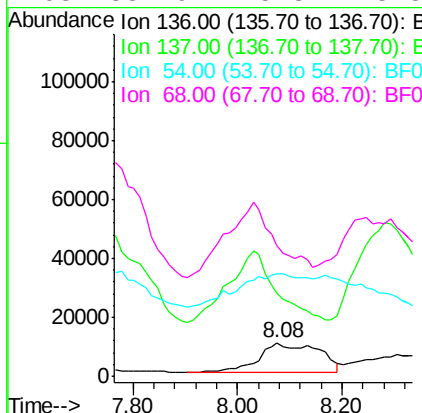
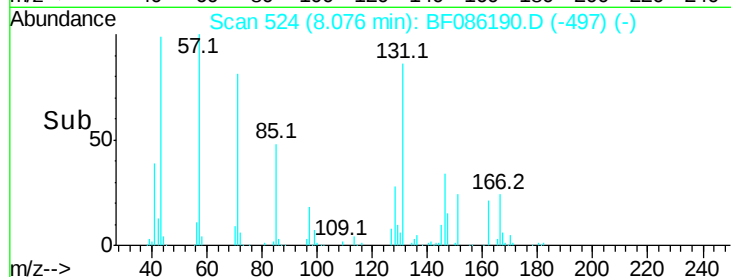
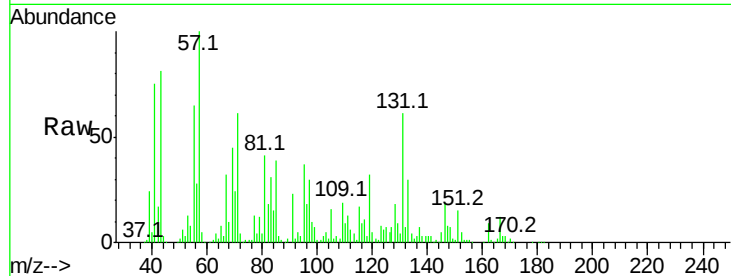
#21
Naphthalene-d8
Concen: 20.00 ng/mL
RT: 8.08 min Scan# 524
Delta R.T. 0.01 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Instrument :
BNA_F
ClientSampleID :
TW-1-04062016

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	247.8	9.1	13.7#	
54	305.9	7.4	11.0#	
68	387.9	5.8	8.8#	

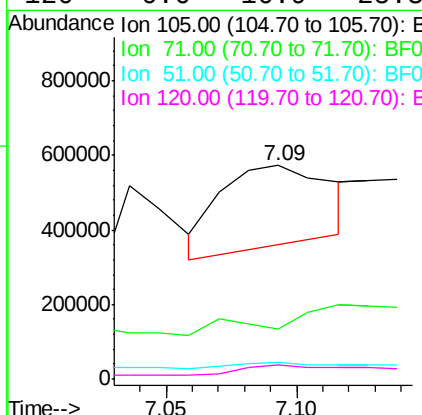
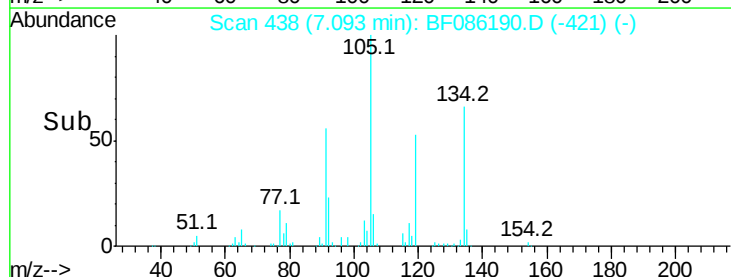
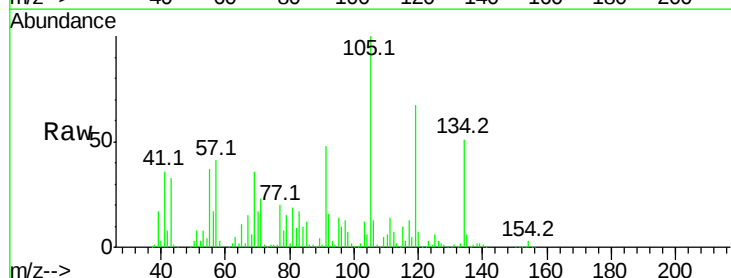
Manual Integrations
APPROVED

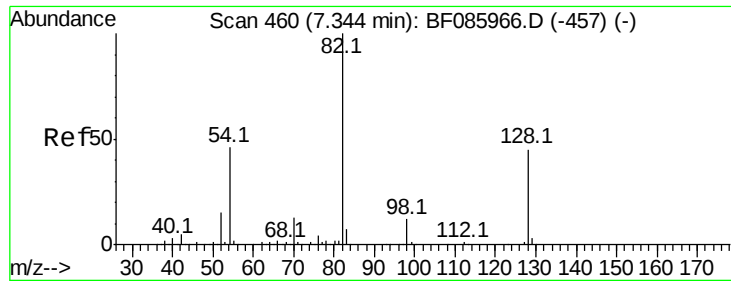
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#22
Acetophenone
Concen: 344.35 ng/mL
RT: 7.09 min Scan# 438
Delta R.T. -0.10 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	23.4	3.6	5.4#	
51	7.6	25.4	38.0#	
120	6.6	16.9	25.3#	





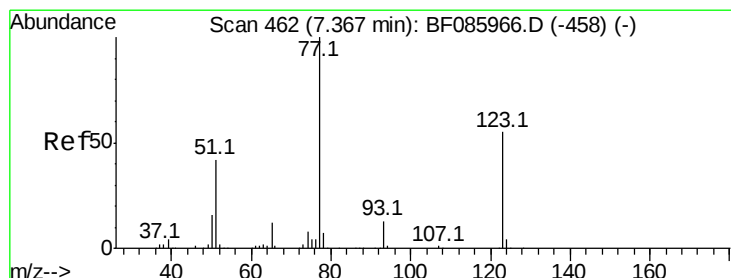
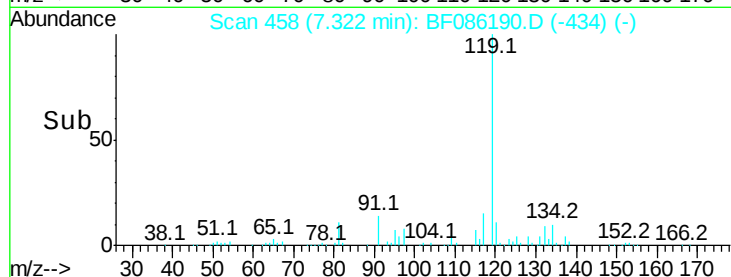
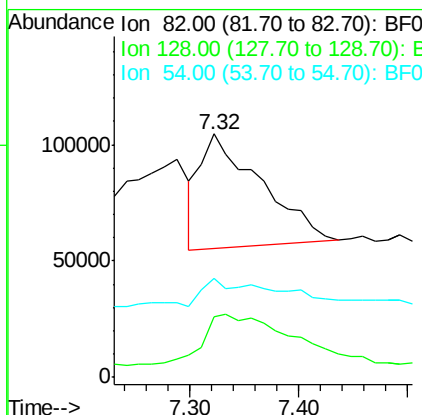
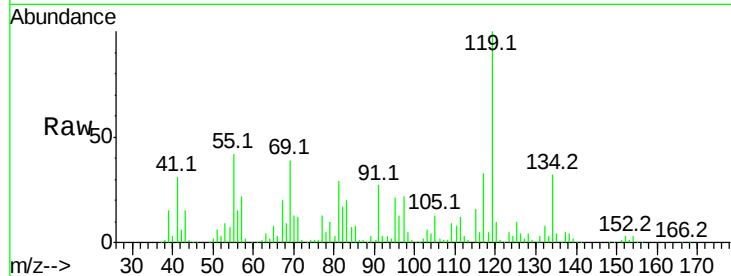
#23
 Nitrobenzene-d5
 Concen: 141.26 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF086190.D
 Acq: 9 Apr 2016 1:34

Instrument :
 BNA_F
 ClientSampleId :
 TW-1-04062016

Tot Ion	Ratio	Resp	Lower	Upper
82	100	188448		
128	25.1	41.8	62.8#	
54	40.8	33.4	50.0	

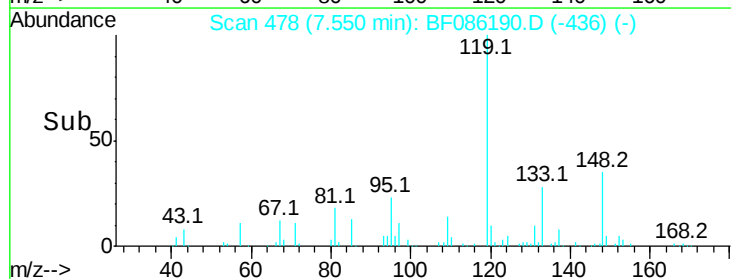
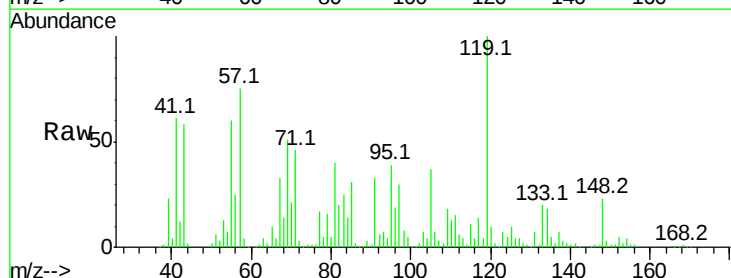
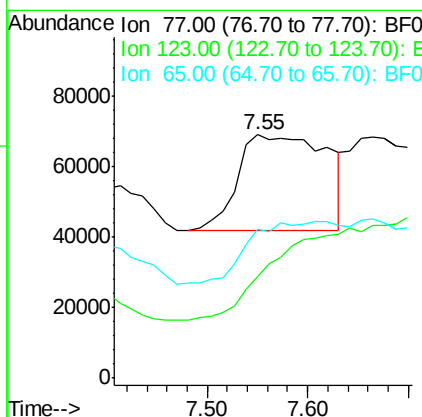
Manual Integrations
 APPROVED

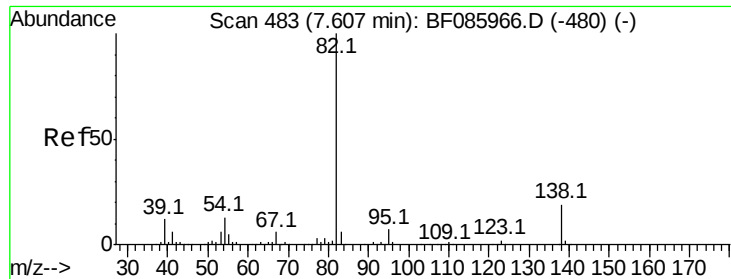
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#24
 Nitrobenzene
 Concen: 114.30 ng
 RT: 7.55 min Scan# 478
 Delta R.T. 0.18 min
 Lab File: BF086190.D
 Acq: 9 Apr 2016 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	166823		
123	41.5	35.0	52.4	
65	61.2	10.6	16.0#	





#25

Isophorone

Concen: 120.43 ng

RT: 7.64 min Scan# 486

Delta R.T. 0.03 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Instrument :

BNA_F

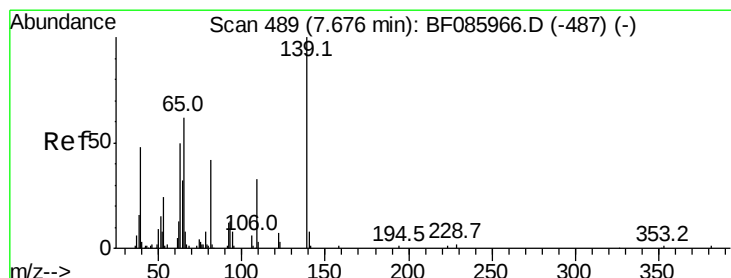
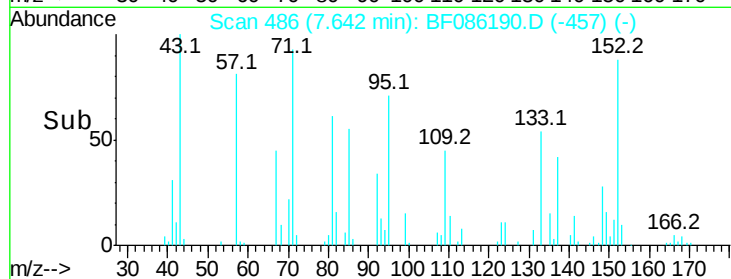
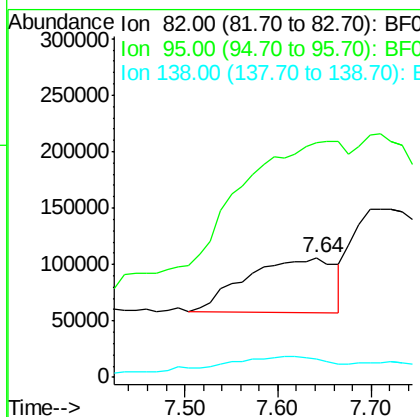
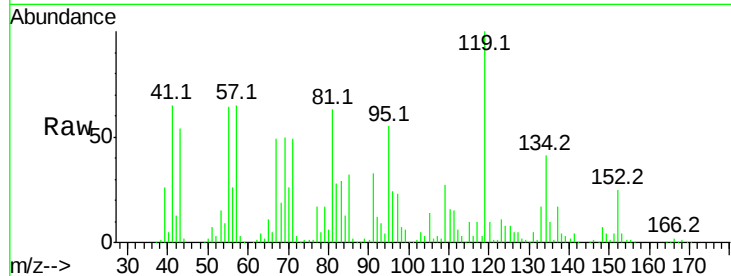
ClientSampleId :

TW-1-04062016

Tot Ion:	82	Resp:	317148
Ion Ratio	Lower	Upper	
82	100		
95	196.3	5.4	8.2#
138	15.4	12.9	19.3

Manual Integrations
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#26

2-Nitrophenol

Concen: 145.18 ng

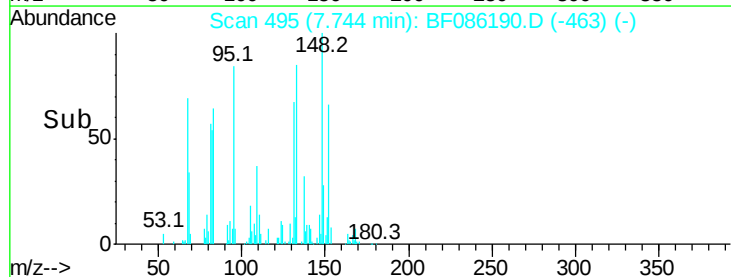
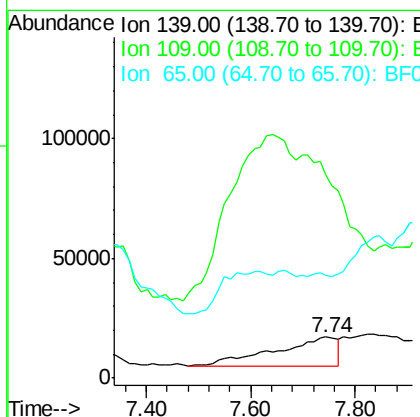
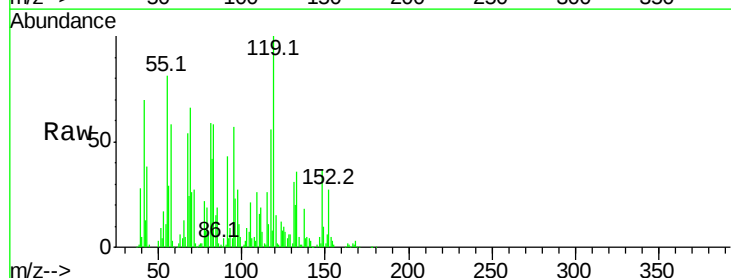
RT: 7.74 min Scan# 495

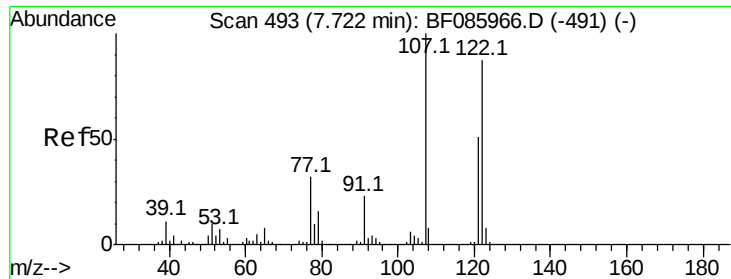
Delta R.T. 0.07 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Tgt Ion:	139	Resp:	101376
Ion Ratio	Lower	Upper	
139	100		
109	497.1	22.1	33.1#
65	250.0	33.9	50.9#





#27

2,4-Dimethylphenol

Concen: 35.09 ng

RT: 7.77 min Scan# 497

Delta R.T. 0.05 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Instrument :

BNA_F

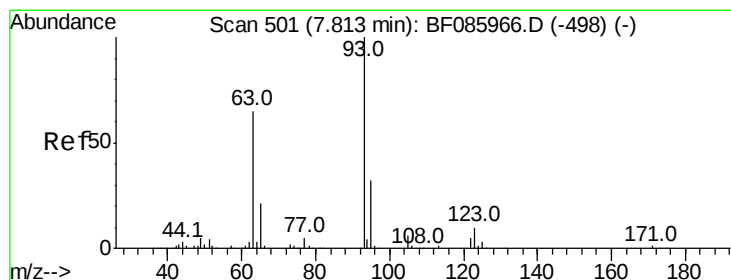
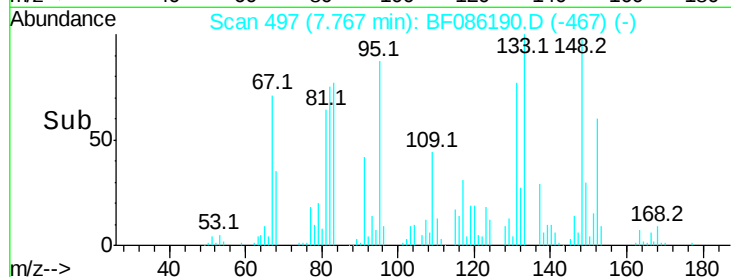
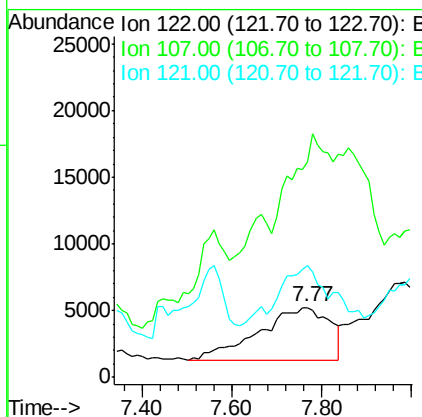
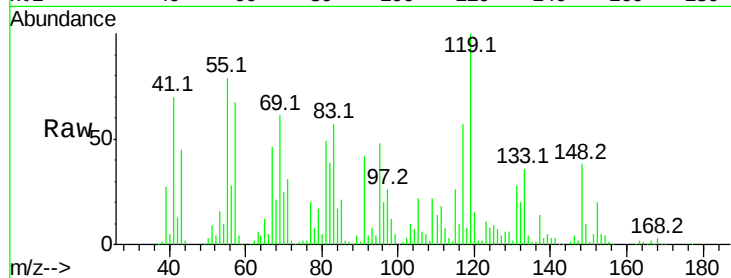
ClientSampleId :

TW-1-04062016

Tot Ion:	122	Resp:	44007
Ion Ratio	Lower	Upper	
122	100		
107	308.1	93.0	139.6#
121	159.5	45.9	68.9#

Manual Integrations
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#28

bis(2-Chloroethoxy)methane

Concen: 4.83 ng

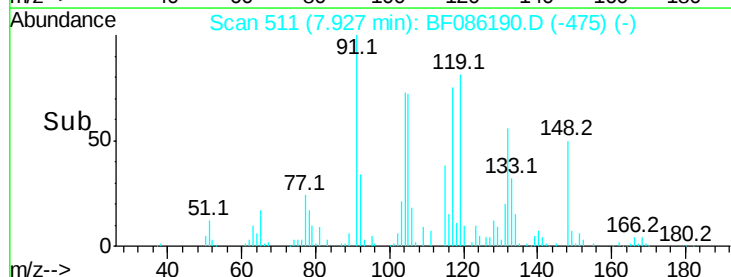
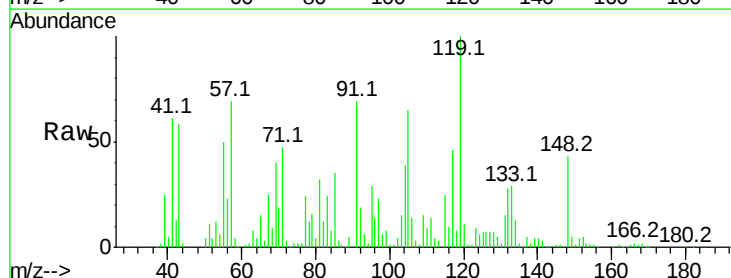
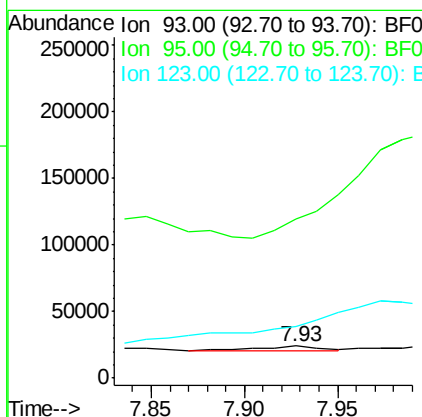
RT: 7.93 min Scan# 511

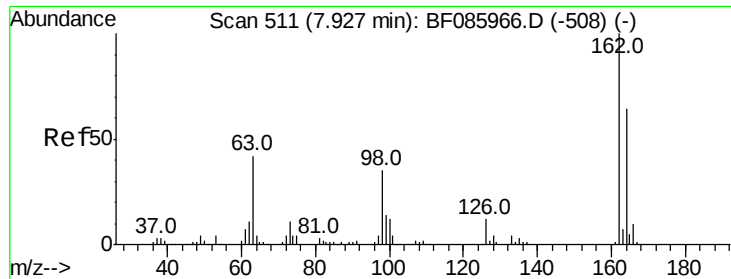
Delta R.T. 0.11 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Tgt Ion:	93	Resp:	7461
Ion Ratio	Lower	Upper	
93	100		
95	498.3	26.4	39.6#
123	162.1	9.8	14.6#





#29

2,4-Dichlorophenol

Concen: 374.27 ng

RT: 8.04 min Scan# 521

Delta R.T. 0.11 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Instrument :

BNA_F

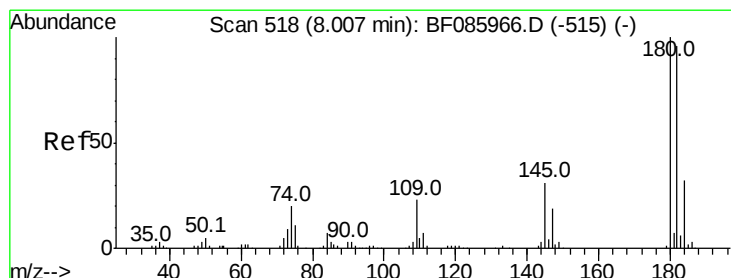
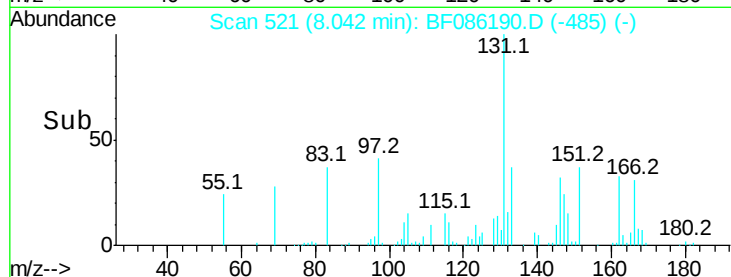
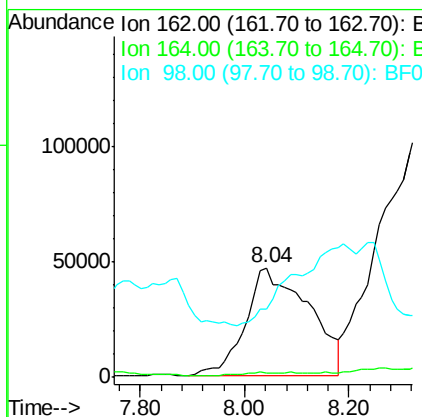
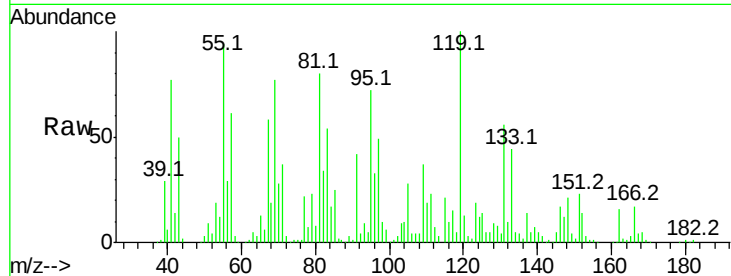
ClientSampled :

TW-1-04062016

Tot Ion:	162	Resp:	396837
Ion Ratio	Lower	Upper	
162	100		
164	4.4	43.7	83.7#
98	61.9	20.4	60.4#

Manual Integrations
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#30

1,2,4-Trichlorobenzene

Concen: 18.53 ng

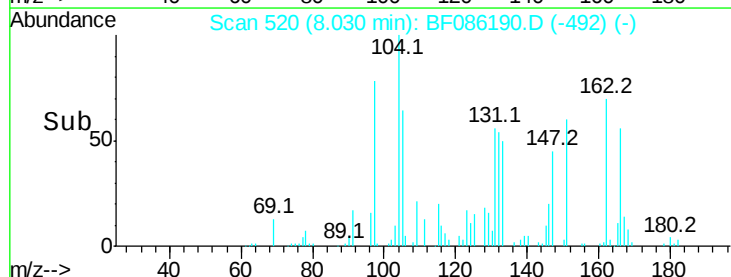
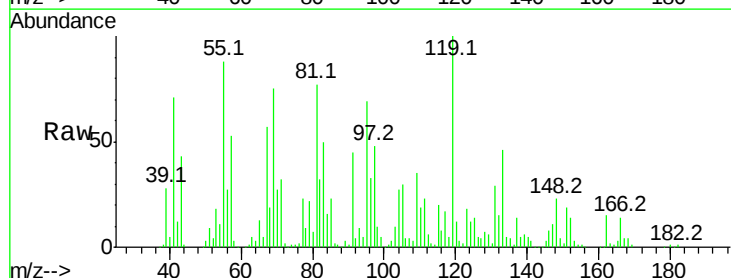
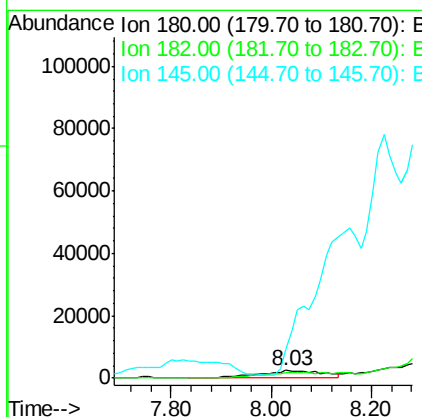
RT: 8.03 min Scan# 520

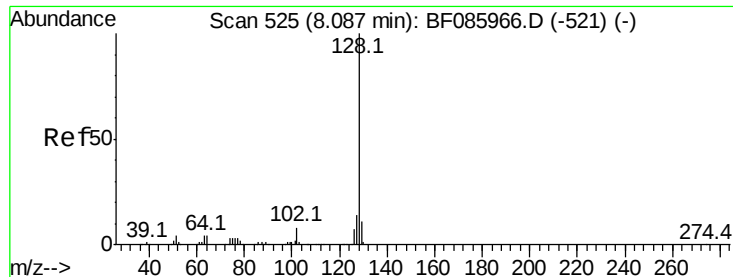
Delta R.T. 0.02 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Tgt Ion:	180	Resp:	22053
Ion Ratio	Lower	Upper	
180	100		
182	71.2	73.8	110.8#
145	378.1	28.4	42.6#





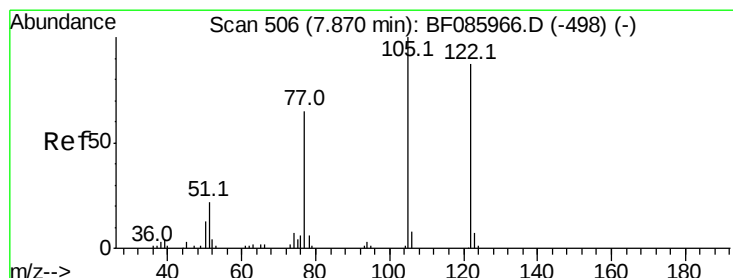
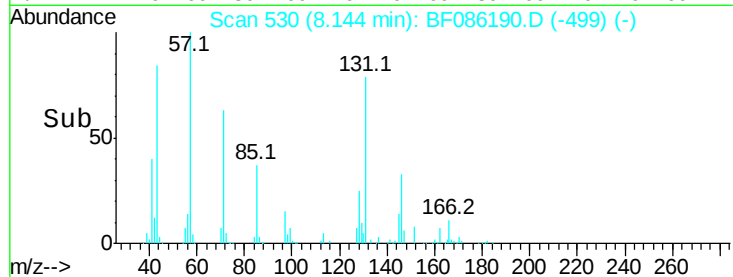
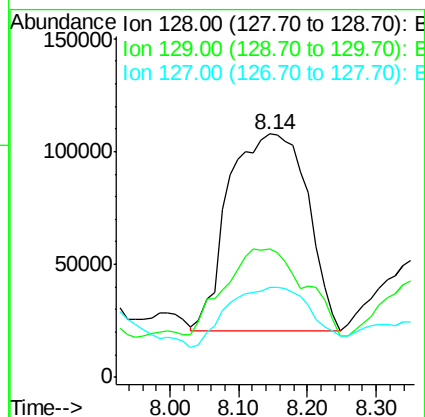
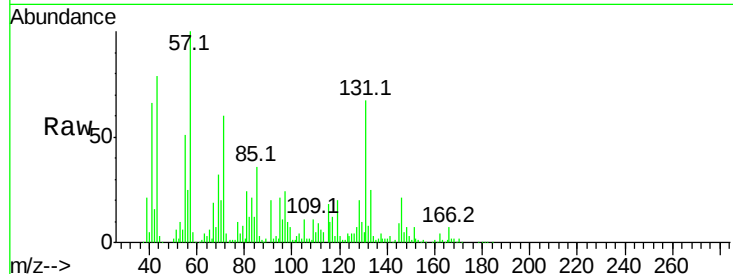
#31
Naphthalene
Concen: 175.07 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.06 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Instrument :
BNA_F
ClientSampleId :
TW-1-04062016

Tot Ion	Ratio	Resp	Lower	Upper
128	100	692797		
129	52.7	9.4	14.0#	
127	37.1	11.0	16.6#	

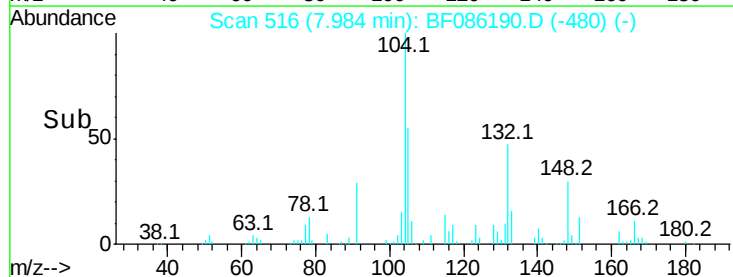
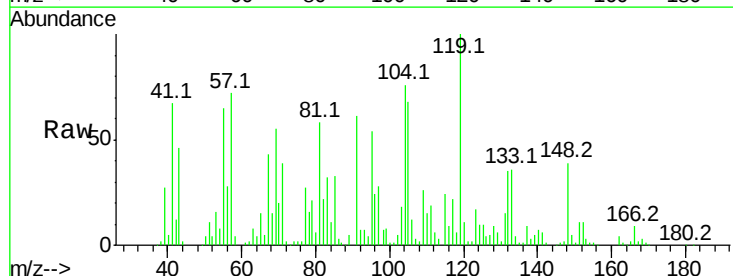
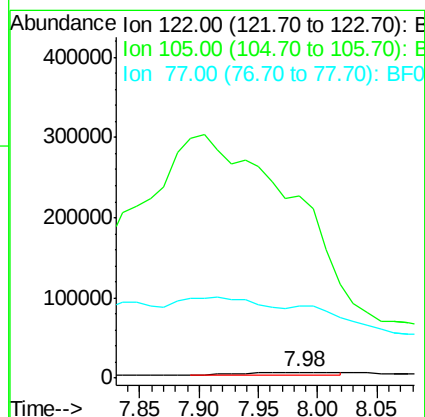
Manual Integrations
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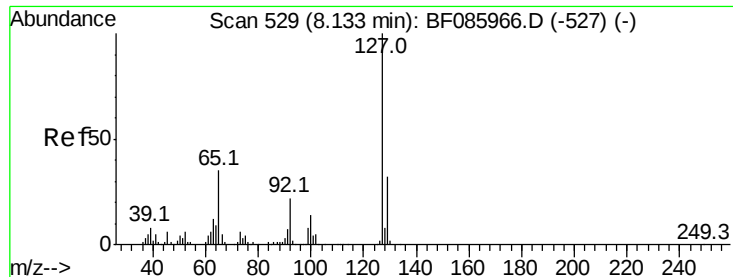
Sohil
4/11/2016 5:45:26 PM



#32
Benzoic acid
Concen: 15.40 ng
RT: 7.98 min Scan# 516
Delta R.T. 0.11 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	14165		
105	3207.7	102.9	142.9#	
77	1276.1	71.8	111.8#	





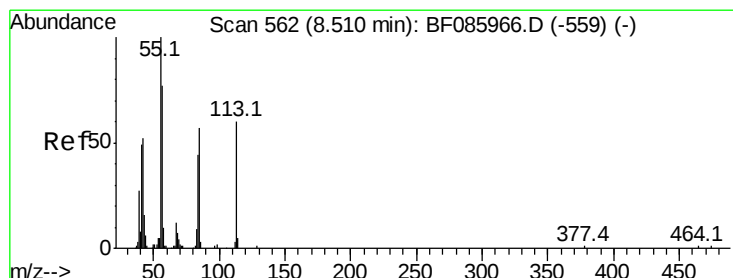
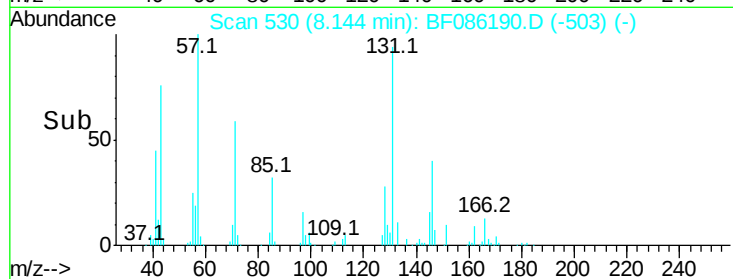
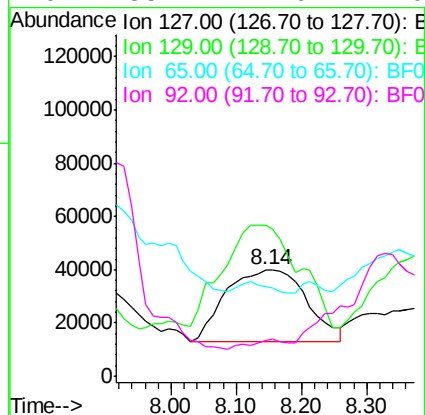
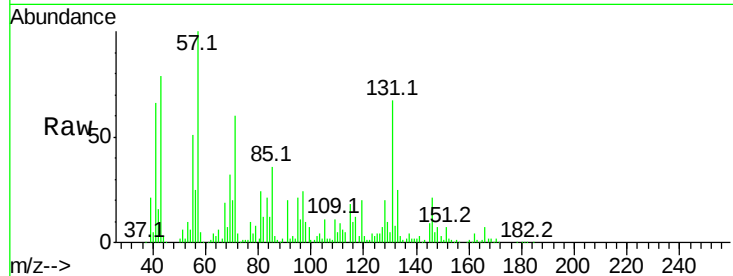
#33
4-Chloroaniline
Concen: 144.58 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.01 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Instrument :
BNA_F
ClientSampleId :
TW-1-04062016

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		231107		
129	142.1	26.1	39.1#		
65	84.1	19.5	29.3#		
92	33.4	14.6	22.0#		

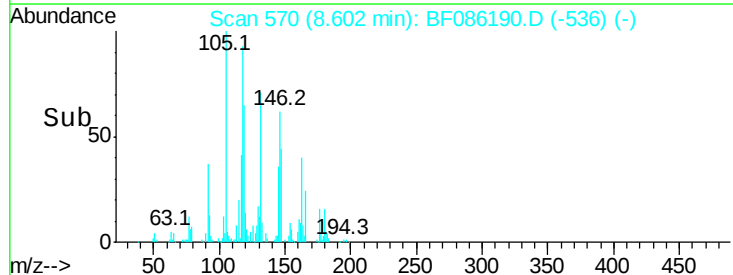
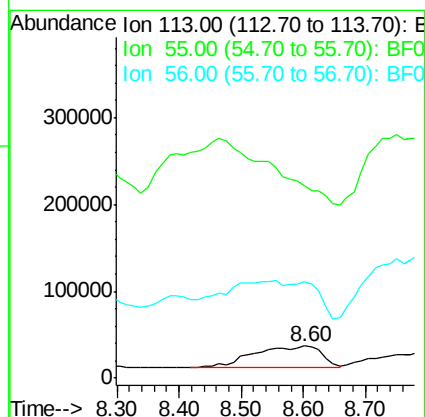
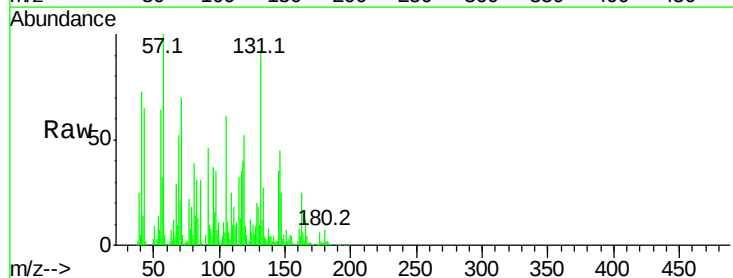
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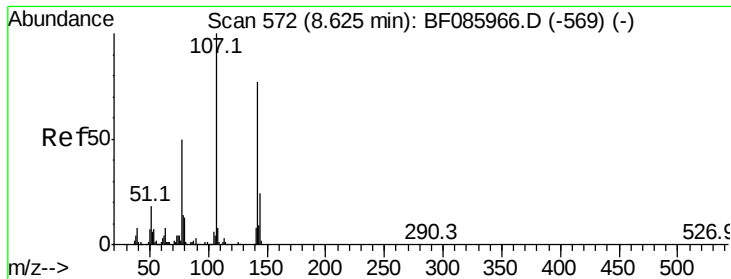
Sohil
4/11/2016 5:45:26 PM



#35
Caprolactam
Concen: 540.20 ng
RT: 8.60 min Scan# 570
Delta R.T. 0.09 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
113	100		181705		
55	603.5	139.4	179.4#		
56	303.1	100.4	140.4#		





#36

4-Chloro-3-methylphenol

Concen: 46.01 ng

RT: 8.65 min Scan# 574

Delta R.T. 0.02 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Instrument :

BNA_F

ClientSampleId :

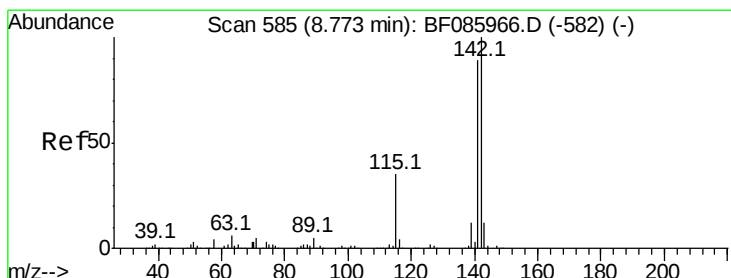
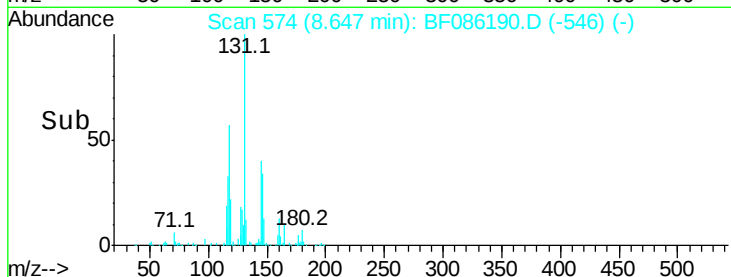
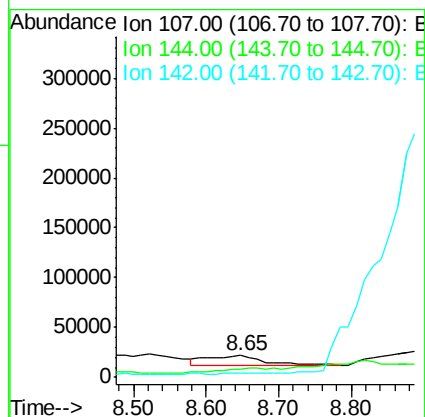
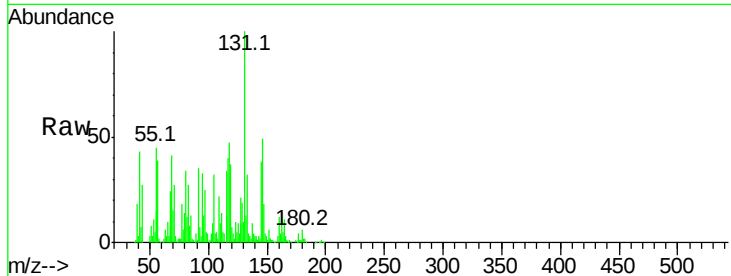
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Tot Ion:	107	Resp:	54841
Ion Ratio	Lower	Upper	
107	100		
144	37.7	19.3	28.9#
142	19.6	61.4	92.0#



#37

2-Methylnaphthalene

Concen: 457.75 ng

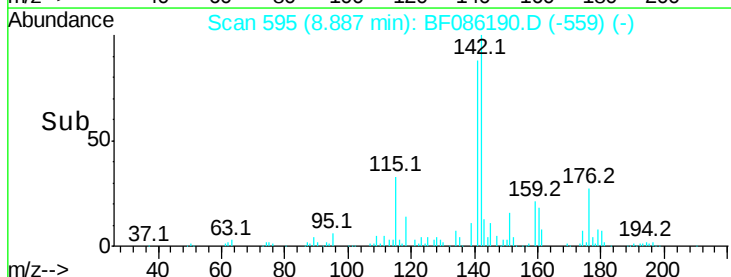
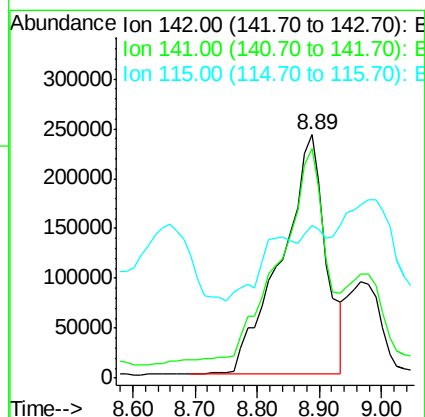
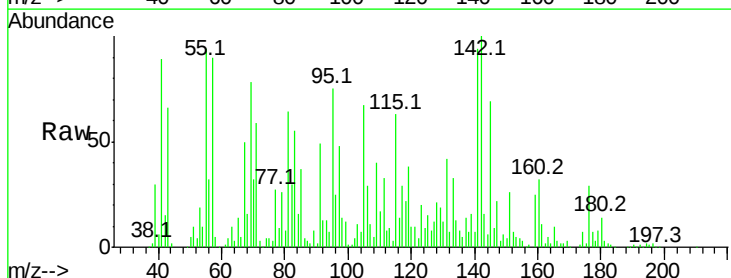
RT: 8.89 min Scan# 595

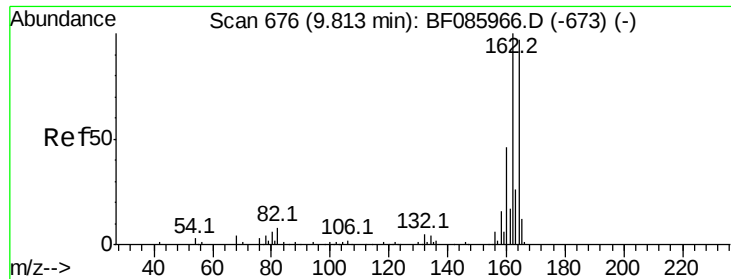
Delta R.T. 0.11 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Tgt Ion:	142	Resp:	1183329
Ion Ratio	Lower	Upper	
142	100		
141	94.1	71.6	107.4
115	62.7	26.8	40.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.06 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Instrument :

BNA_F

ClientSampleId :

TW-1-04062016

Tot Ion:164 Resp: 42748

Ion Ratio Lower Upper

164 100

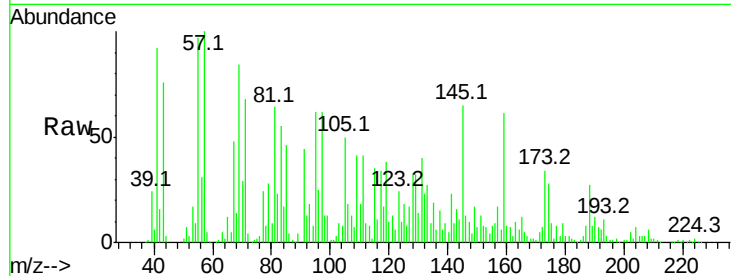
162 43.9 82.1 123.1#

160 142.9 37.4 56.2#

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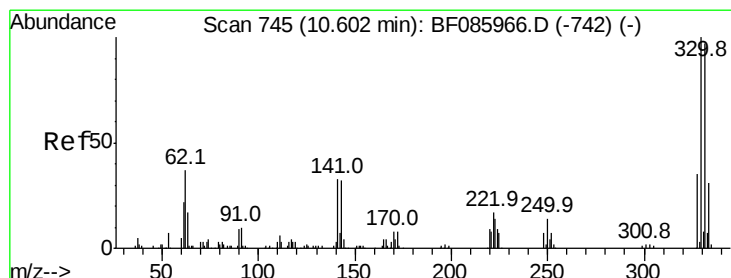
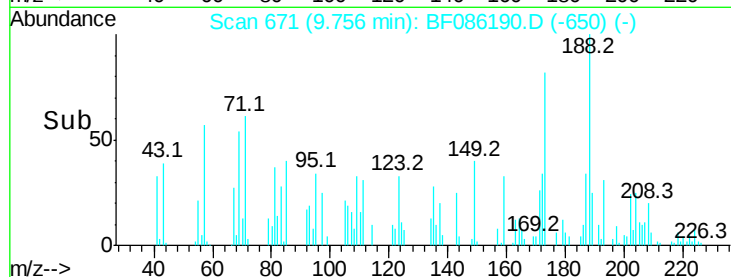
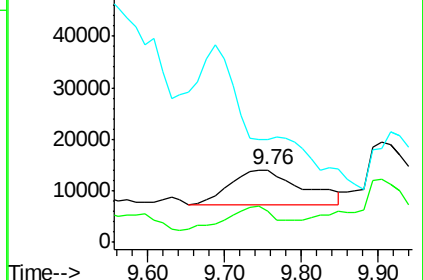
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 62.60 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.08 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

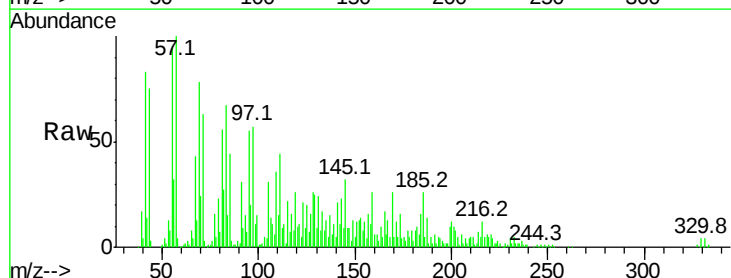
Tgt Ion:330 Resp: 25118

Ion Ratio Lower Upper

330 100

332 96.6 78.2 117.2

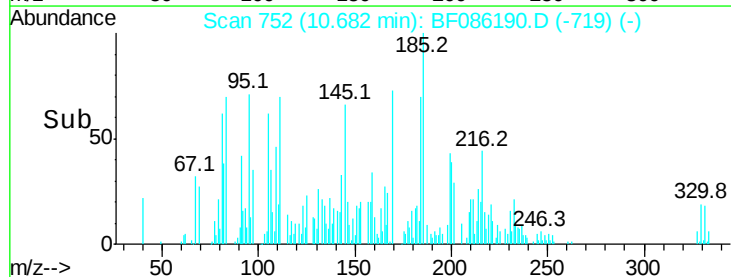
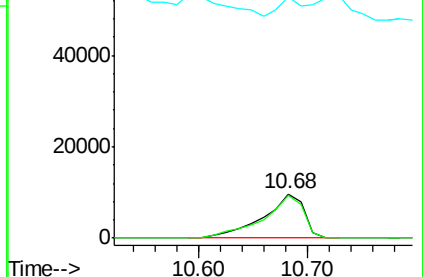
141 21.6 31.5 47.3#

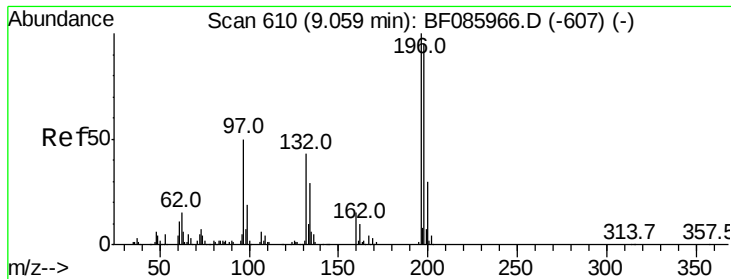


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 38.67 ng

RT: 8.98 min Scan# 603

Delta R.T. -0.08 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Instrument :

BNA_F

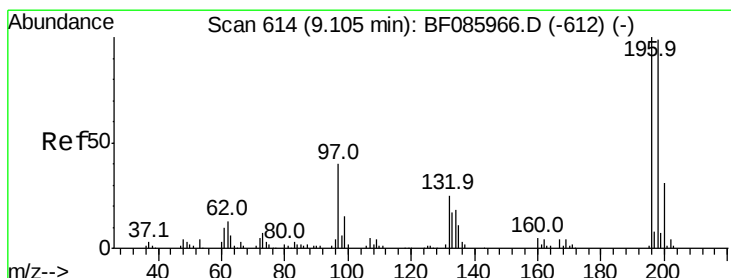
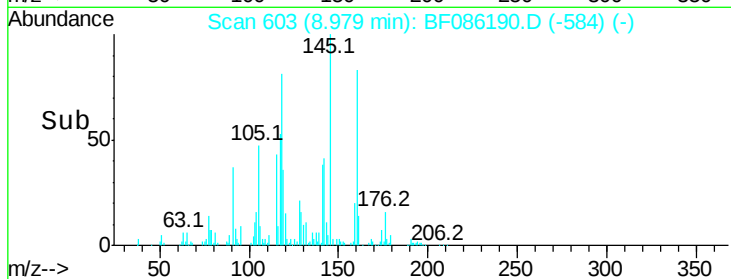
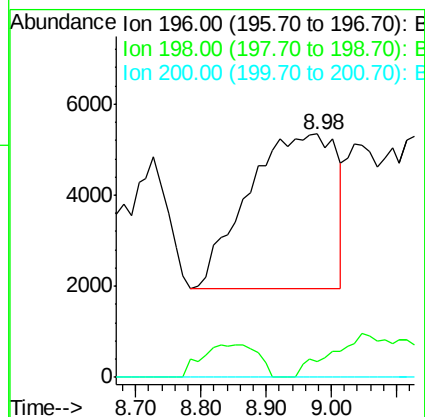
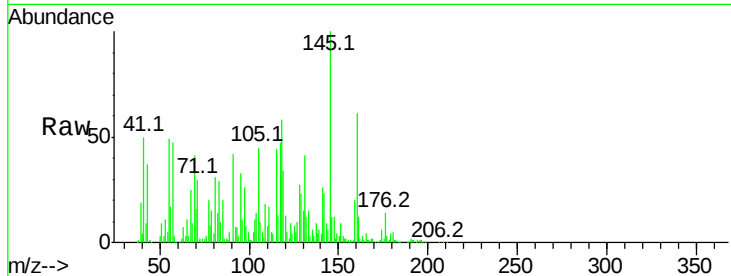
ClientSampleId :

TW-1-04062016

Tot Ion:	196	Resp:	31905
Ion Ratio	Lower	Upper	
196	100		
198	6.5	75.3	112.9#
200	0.0	23.7	35.5#

Manual Integrations
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#43

2,4,5-Trichlorophenol

Concen: 38.09 ng

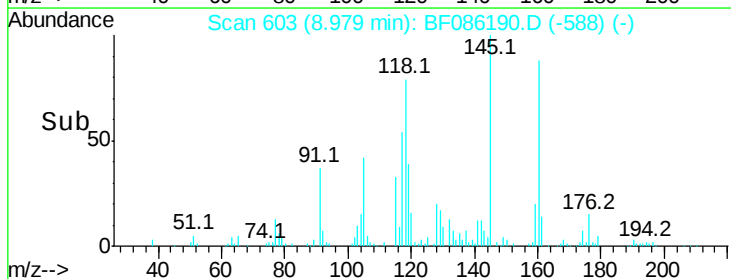
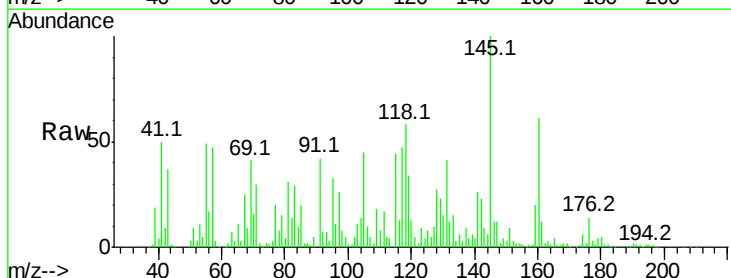
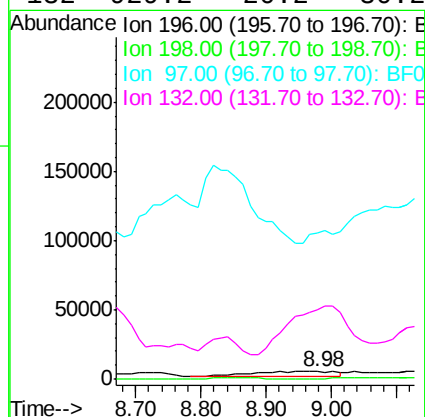
RT: 8.98 min Scan# 603

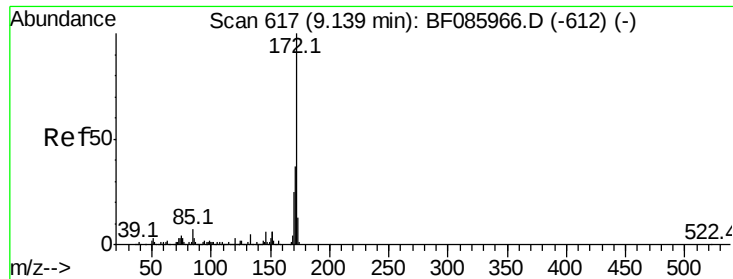
Delta R.T. -0.13 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Tgt Ion:	196	Resp:	31905
Ion Ratio	Lower	Upper	
196	100		
198	6.5	76.6	114.8#
97	1978.8	30.5	45.7#
132	929.2	20.2	30.2#





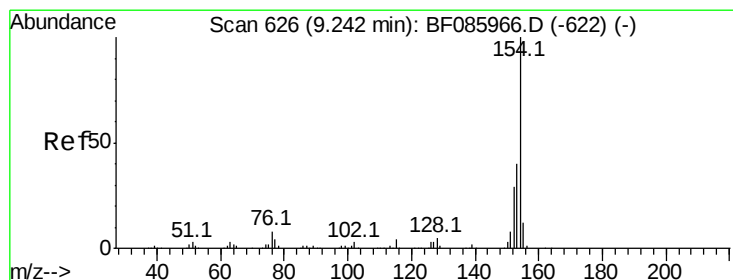
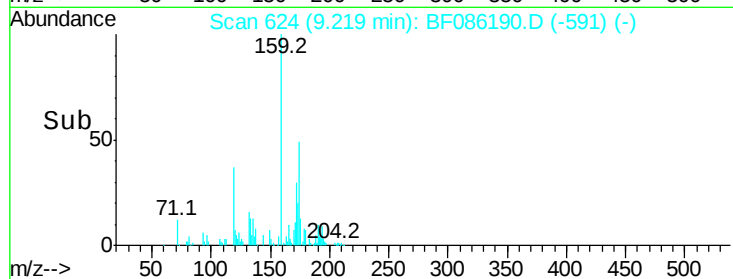
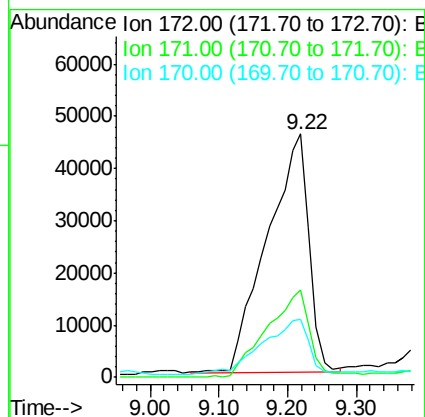
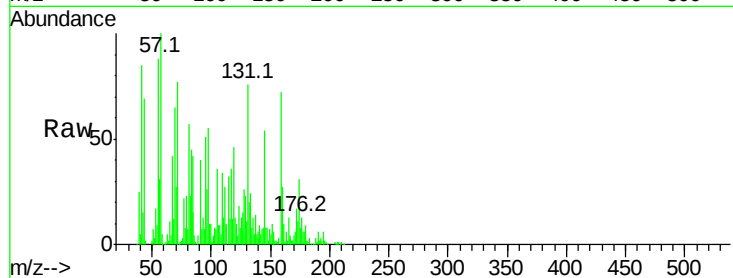
#44
2-Fluorobiphenyl
Concen: 75.03 ng
RT: 9.22 min Scan# 624
Delta R.T. 0.08 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Instrument :
BNA_F
ClientSampleId :
TW-1-04062016

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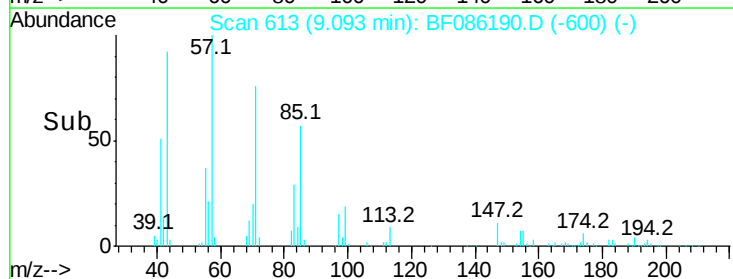
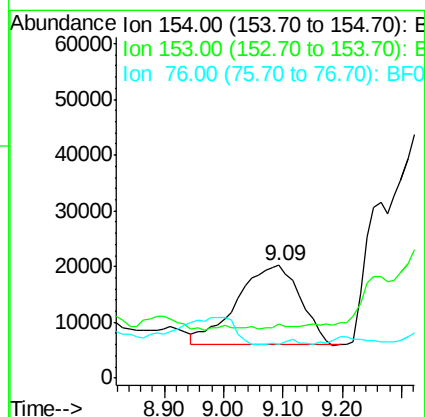
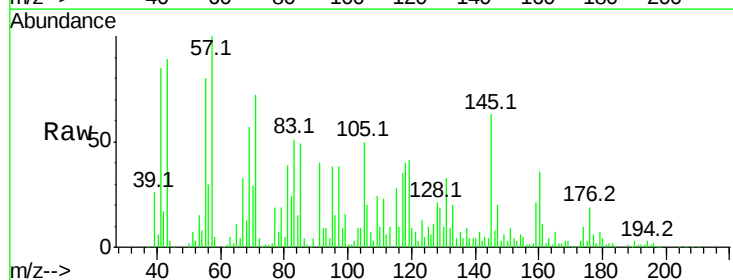
Sohil
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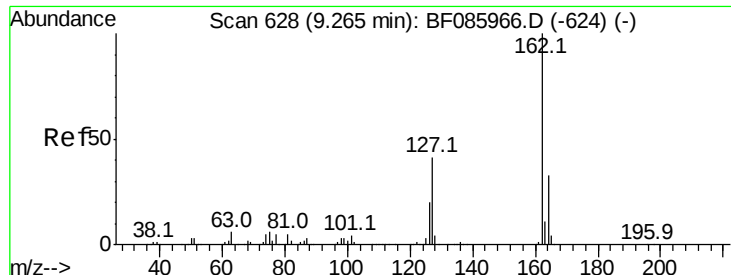
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.2
170	23.8	19.8	29.6



#45
1,1'-Biphenyl
Concen: 28.29 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.15 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Tgt Ion	Ratio	Lower	Upper
154	100		
153	48.0	20.8	60.8
76	30.3	0.0	36.7





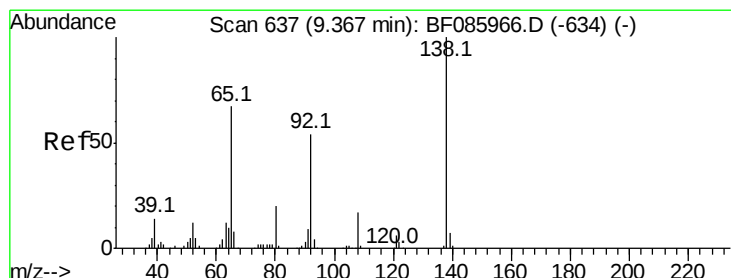
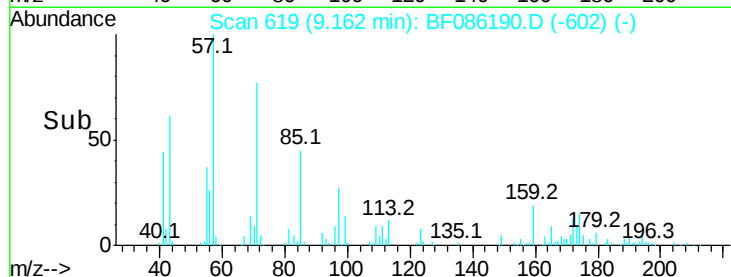
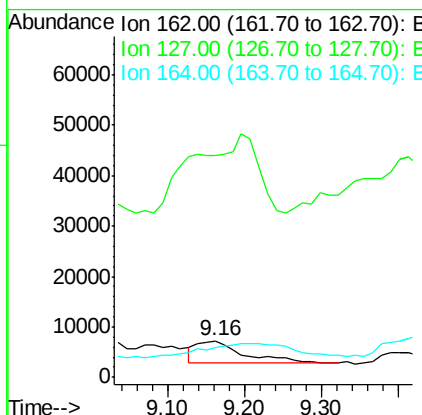
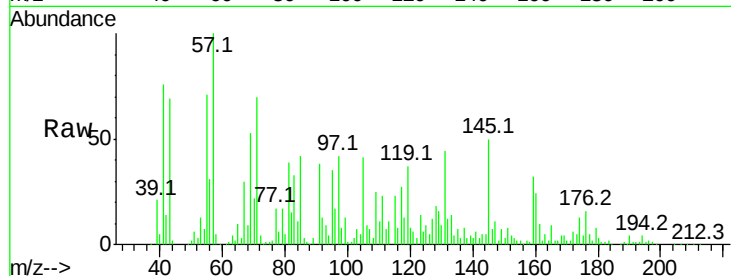
#46
2-Chloronaphthalene
Concen: 7.12 ng
RT: 9.16 min Scan# 619
Delta R.T. -0.10 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Instrument :
BNA_F
ClientSampleId :
TW-1-04062016

Tot Ion	Ratio	Lower	Upper
162	100		
127	602.3	31.7	47.5#
164	82.6	27.3	40.9#

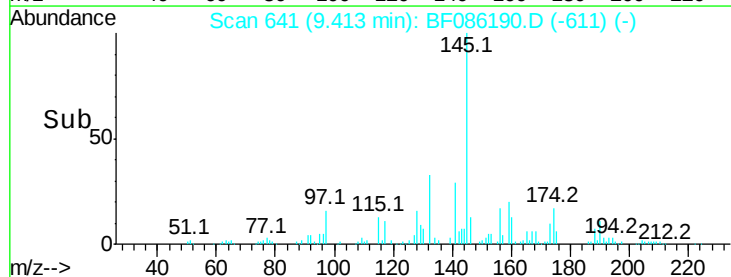
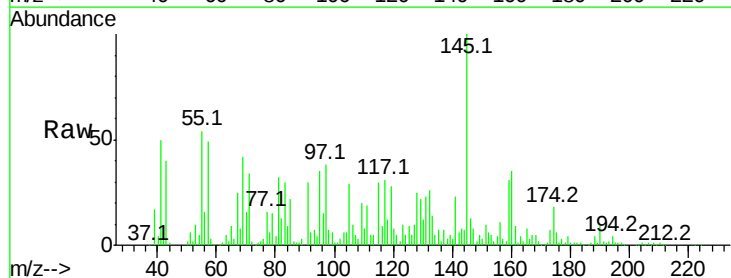
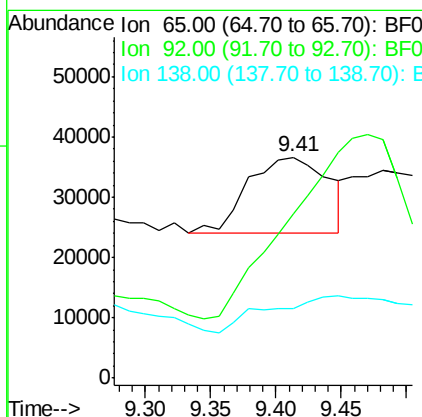
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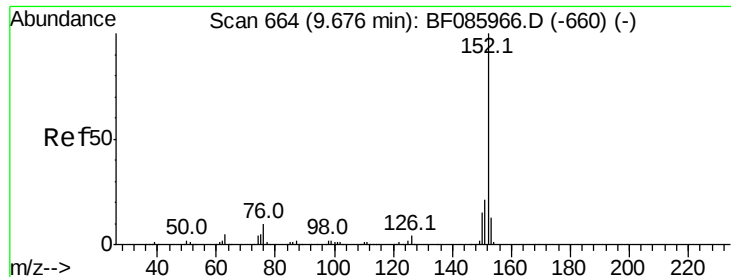
Sohil
4/11/2016 5:45:26 PM



#47
2-Nitroaniline
Concen: 69.67 ng
RT: 9.41 min Scan# 641
Delta R.T. 0.05 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Tgt Ion	Ratio	Lower	Upper
65	100		
92	74.4	59.7	89.5
138	31.7	91.4	137.0#





#48

Acenaphthylene

Concen: 5.88 ng

RT: 9.70 min Scan# 666

Delta R.T. 0.02 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Instrument :

BNA_F

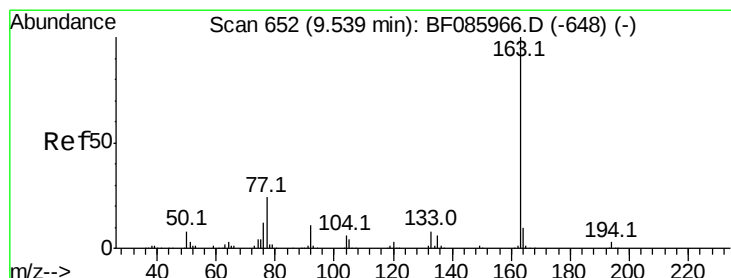
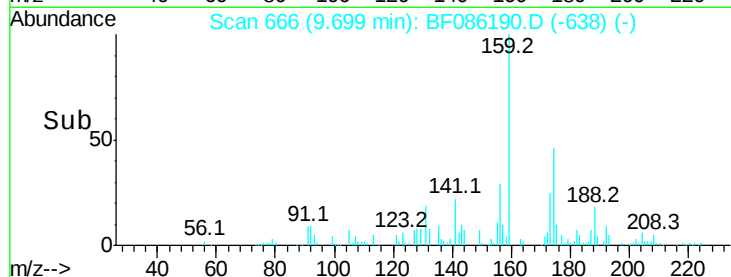
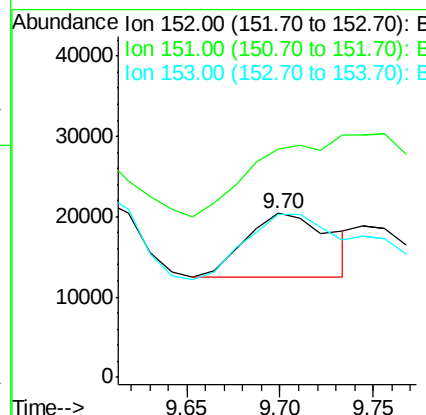
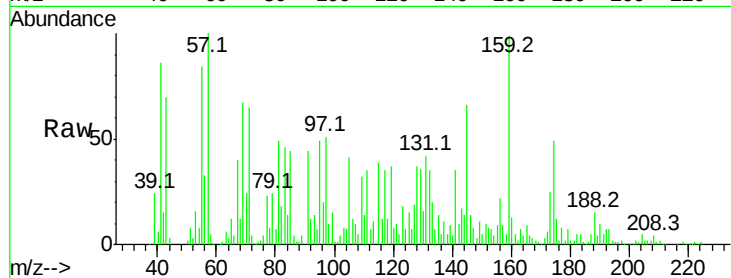
ClientSampleId :

TW-1-04062016

Tot Ion:	152	Resp:	25160
Ion Ratio	Lower	Upper	
152	100		
151	139.6	16.8	25.2#
153	99.3	10.9	16.3#

Manual Integrations
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#49

Dimethylphthalate

Concen: 25.10 ng

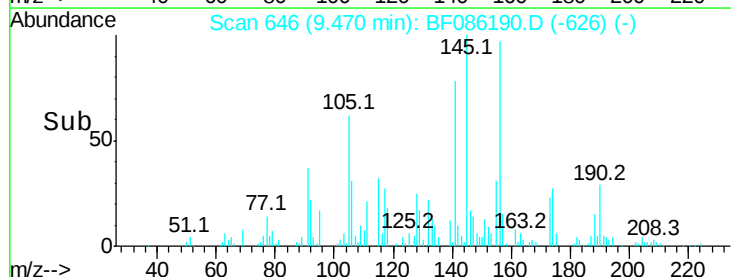
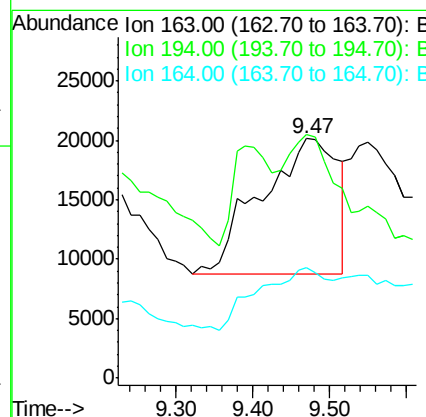
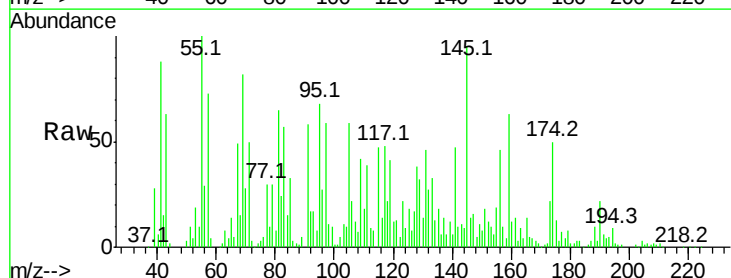
RT: 9.47 min Scan# 646

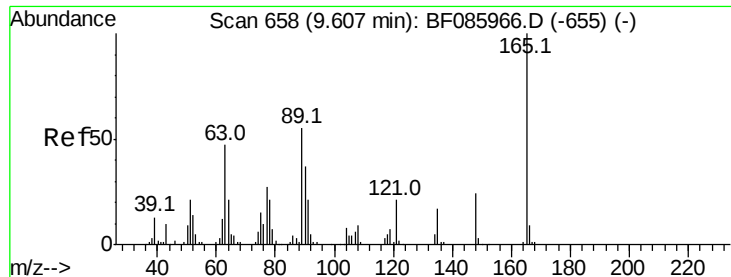
Delta R.T. -0.07 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Tgt Ion:	163	Resp:	79529
Ion Ratio	Lower	Upper	
163	100		
194	101.8	2.9	4.3#
164	46.0	8.3	12.5#





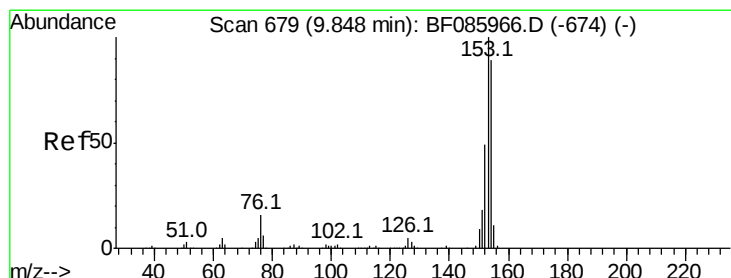
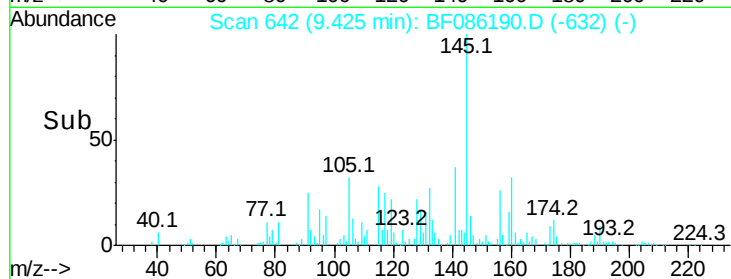
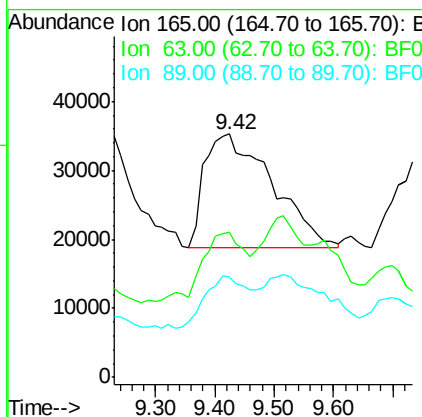
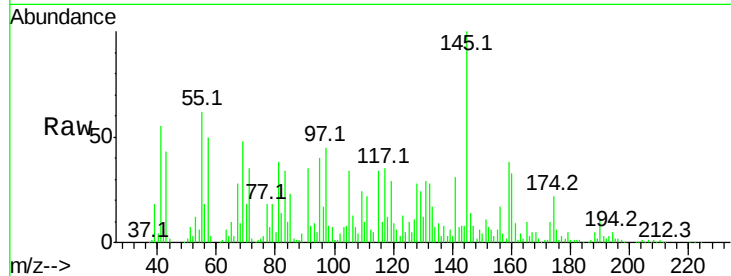
#50
2,6-Dinitrotoluene
Concen: 192.89 ng
RT: 9.42 min Scan# 642
Delta R.T. -0.18 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Instrument :
BNA_F
ClientSampleId :
TW-1-04062016

Tot Ion	Ratio	Resp	Lower	Upper
165	100	129301		
63	59.6	51.8	77.8	
89	40.9	53.7	80.5#	

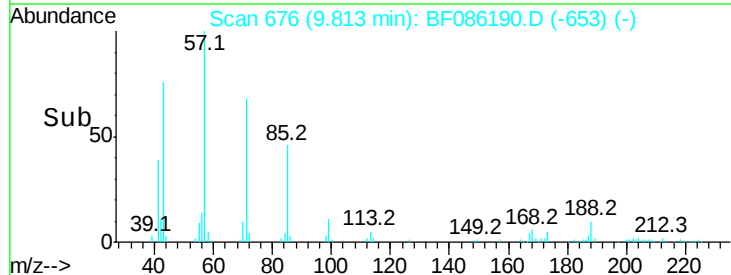
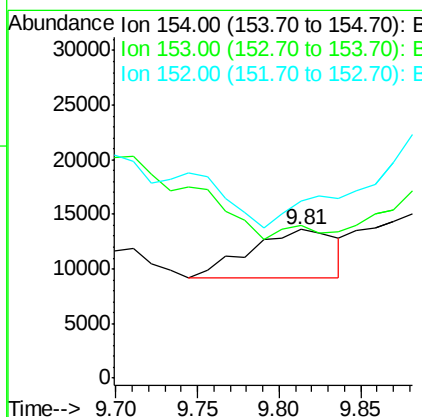
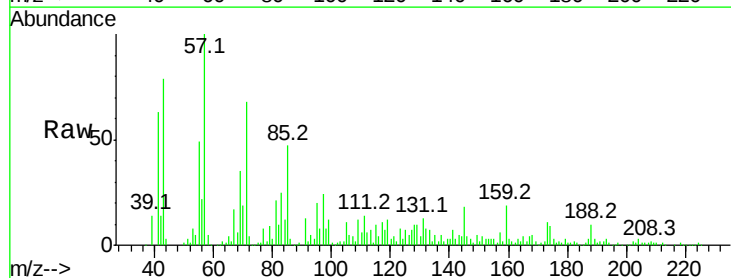
Manual Integrations
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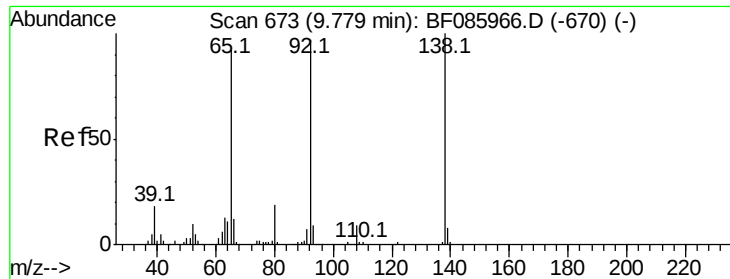
Sohil
4/11/2016 5:45:26 PM



#51
Acenaphthene
Concen: 6.38 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.03 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	16236		
153	102.7	90.1	135.1	
152	119.6	44.2	66.2#	





#52

3-Nitroaniline

Concen: 52.62 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.05 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Instrument :

BNA_F

ClientSampleId :

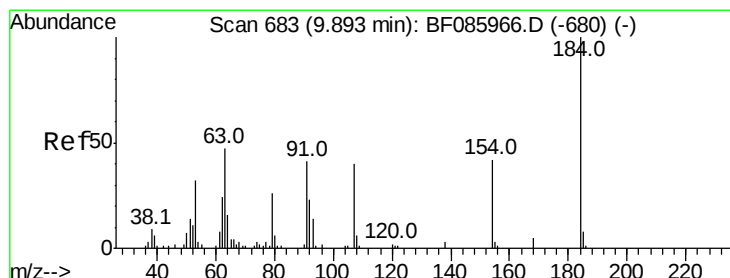
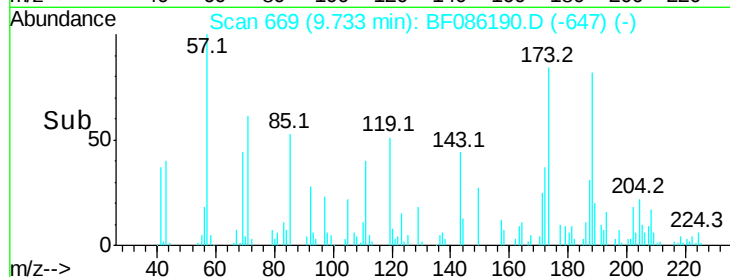
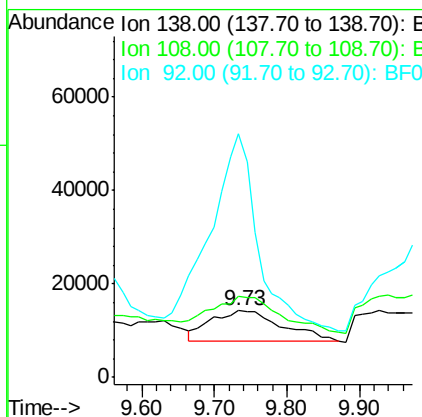
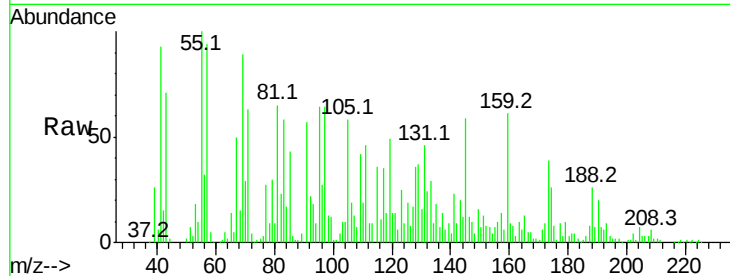
TW-1-04062016

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Tot Ion	Ratio	Lower	Upper
138	100		
108	121.7	8.7	13.1#
92	365.8	93.3	139.9#



#53

2,4-Dinitrophenol

Concen: 10.32 ng

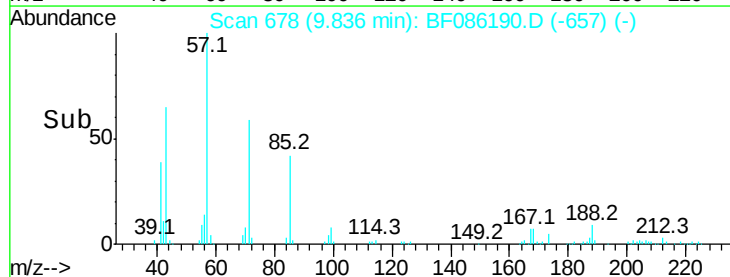
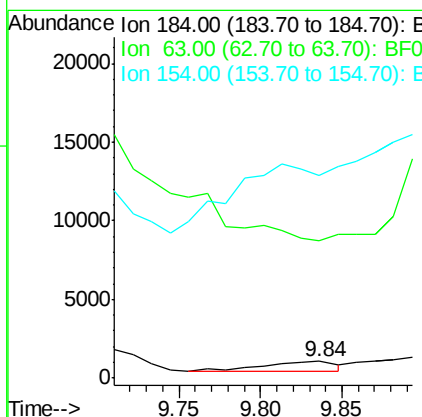
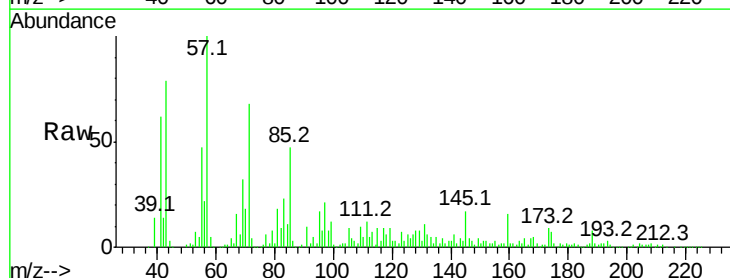
RT: 9.84 min Scan# 678

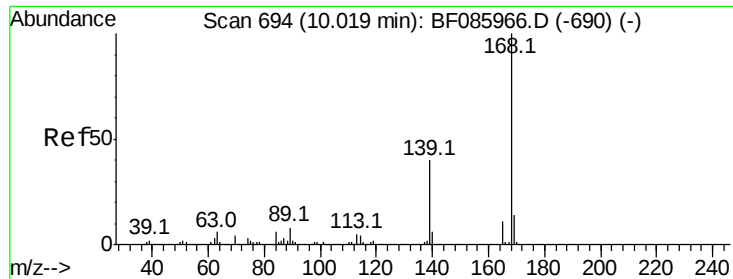
Delta R.T. -0.06 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Tgt Ion	Ratio	Lower	Upper
184	100		
63	804.2	69.5	104.3#
154	1190.4	58.3	87.5#





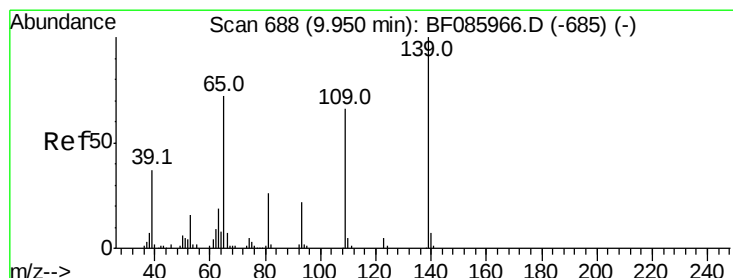
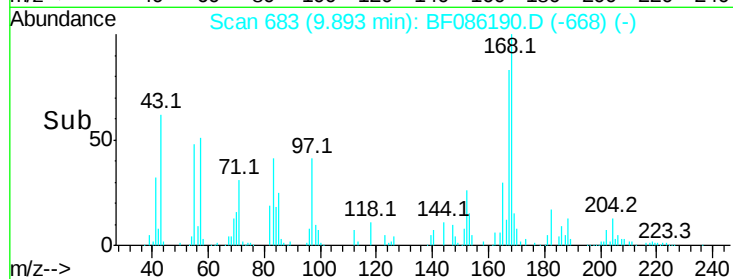
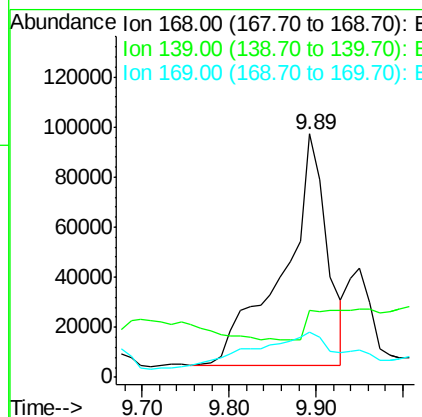
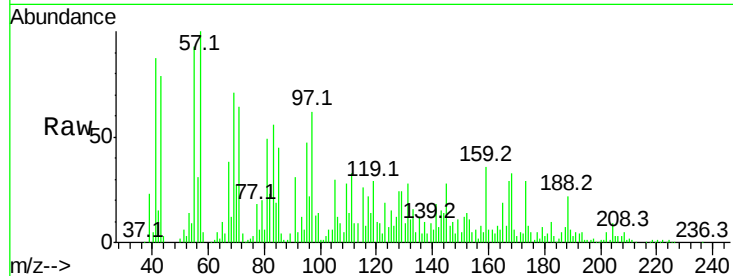
#54
Dibenzofuran
Concen: 95.82 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.13 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Instrument :
BNA_F
ClientSampleId :
TW-1-04062016

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	27.6	31.9	47.9#	
169	18.3	11.0	16.6#	

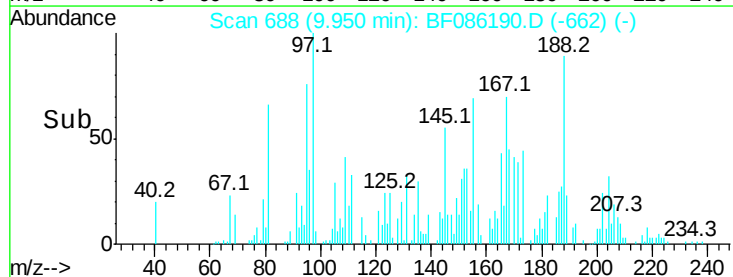
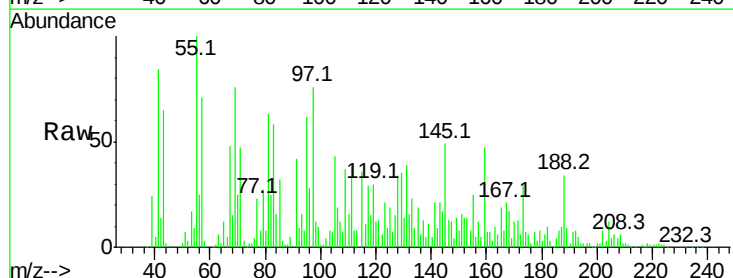
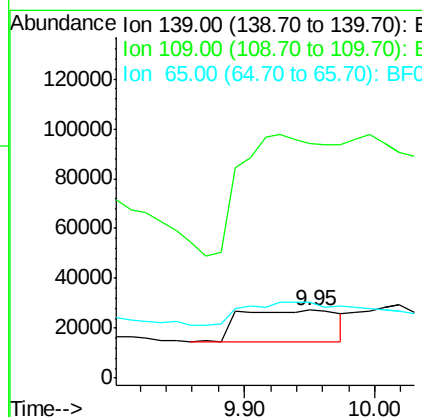
Manual Integrations
APPROVED

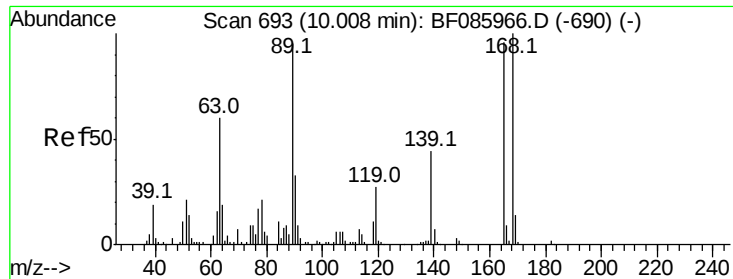
Sohil
4/11/2016 5:45:26 PM



#55
4-Nitrophenol
Concen: 136.57 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.00 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	345.4	49.2	89.2#	
65	111.1	66.9	106.9#	





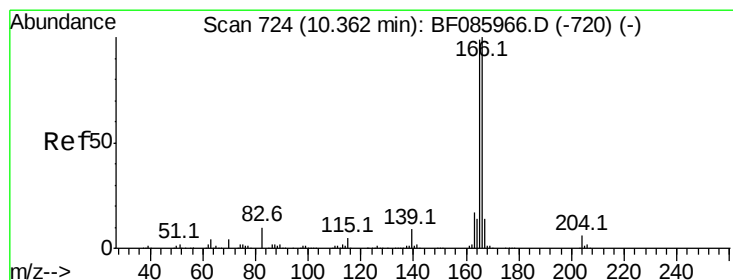
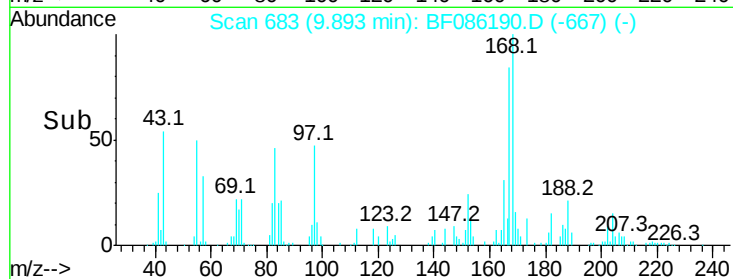
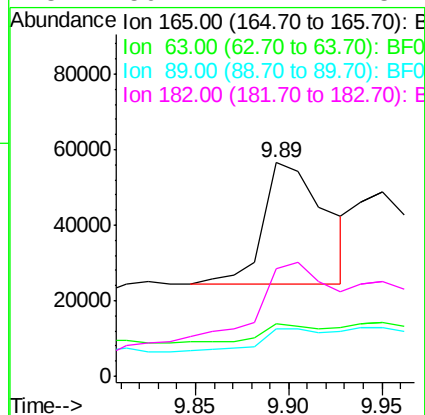
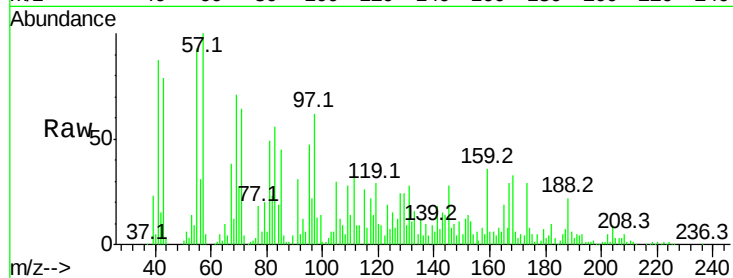
#56
2,4-Dinitrotoluene
Concen: 88.32 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.11 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Instrument :
BNA_F
ClientSampleId :
TW-1-04062016

Tot Ion	Ratio	Lower	Upper
165	100		
63	24.6	24.9	37.3#
89	22.4	41.0	61.6#
182	50.2	2.1	3.1#

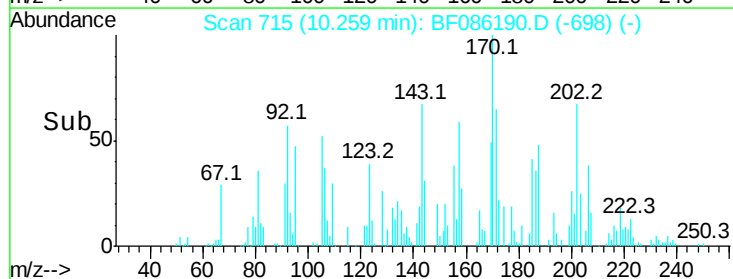
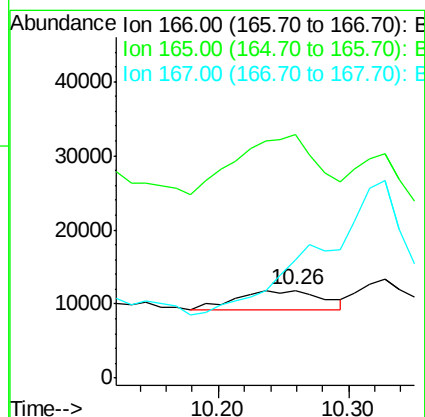
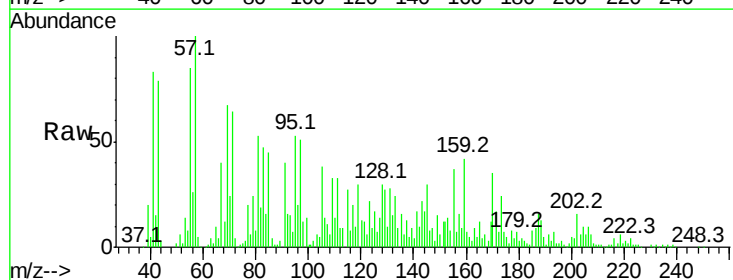
Manual Integrations
APPROVED

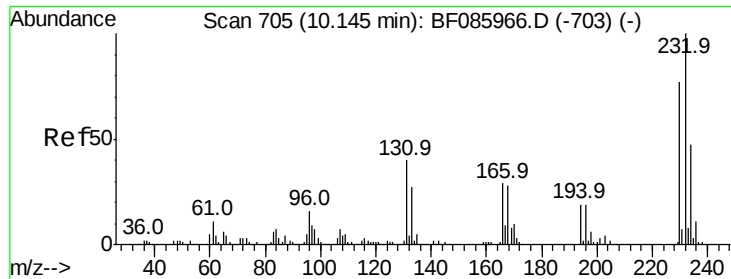
Sohil
4/11/2016 5:45:26 PM



#57
Fluorene
Concen: 4.30 ng
RT: 10.26 min Scan# 715
Delta R.T. -0.10 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Tgt Ion	Ratio	Lower	Upper
166	100		
165	276.4	79.4	119.0#
167	133.8	11.0	16.4#





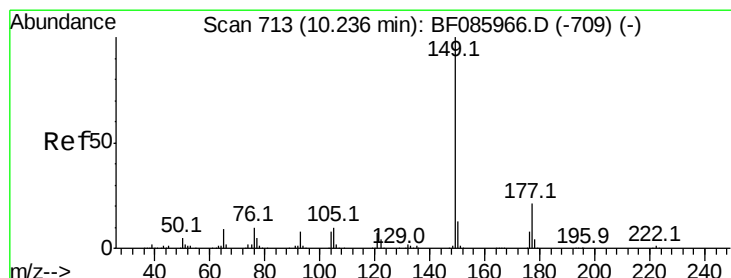
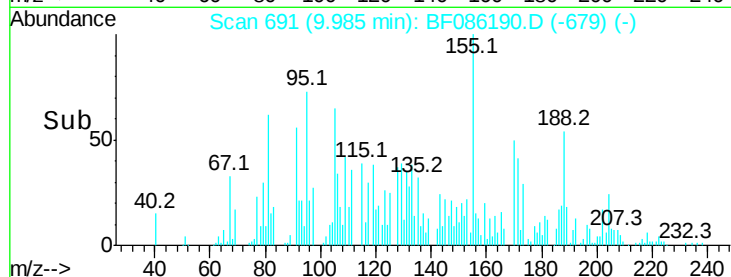
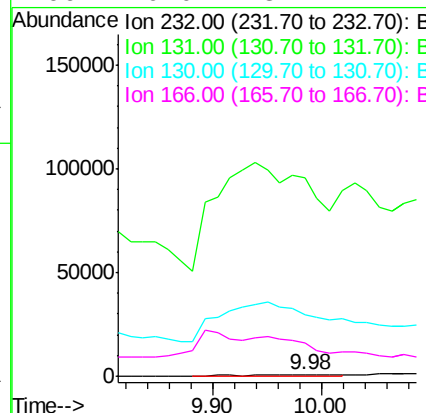
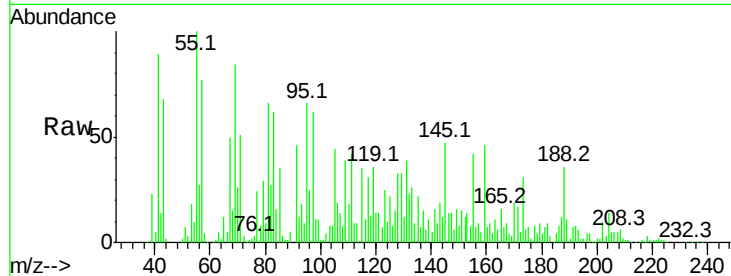
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 7.12 ng
 RT: 9.98 min Scan# 691
 Delta R.T. -0.16 min
 Lab File: BF086190.D
 Acq: 9 Apr 2016 1:34

Instrument :
 BNA_F
 ClientSampleId :
 TW-1-04062016

Tot Ion	Ratio	Lower	Upper
232	100		
131	0.0	44.9	67.3#
130	0.0	2.3	3.5#
166	0.0	28.1	42.1#

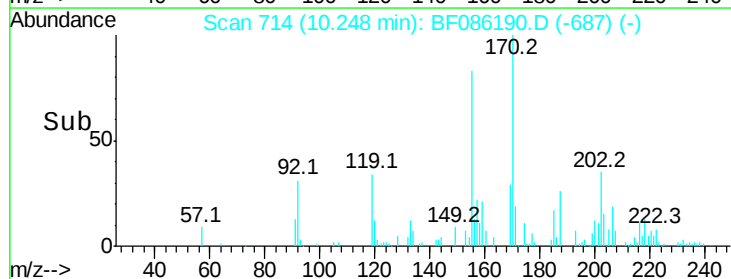
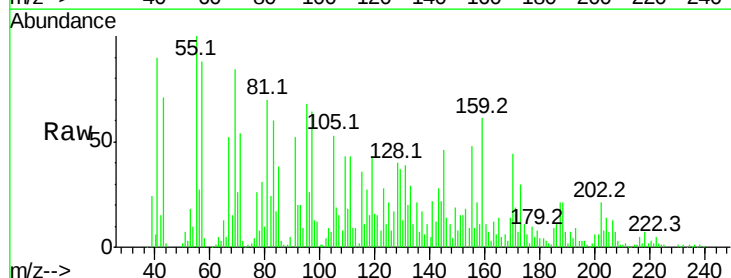
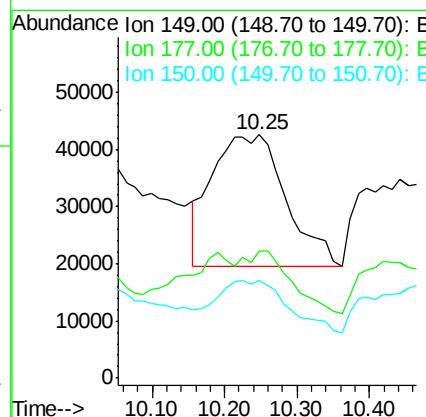
Manual Integrations
 APPROVED

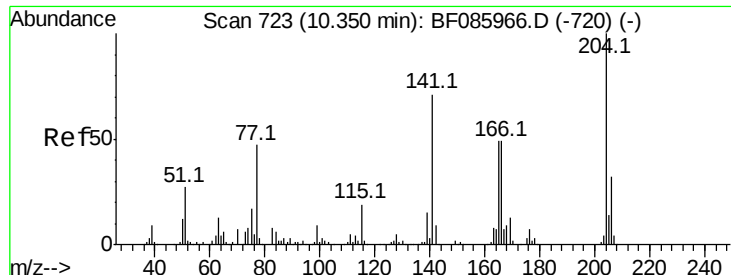
Sohil
 4/11/2016 5:45:26 PM



#59
 Diethylphthalate
 Concen: 51.07 ng
 RT: 10.25 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: BF086190.D
 Acq: 9 Apr 2016 1:34

Tgt Ion	Ratio	Lower	Upper
149	100		
177	52.3	17.9	26.9#
150	39.9	10.2	15.2#





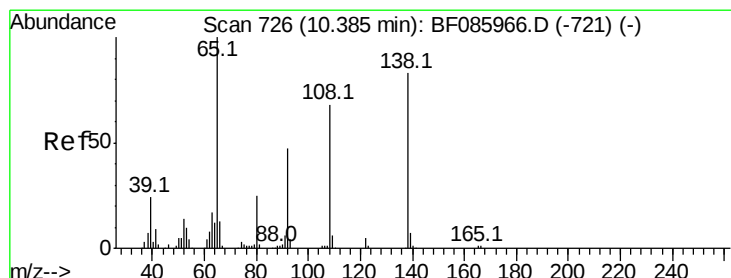
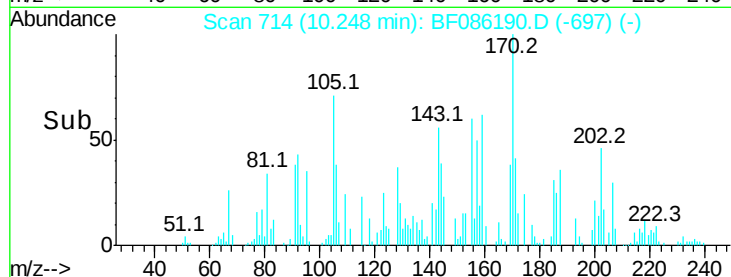
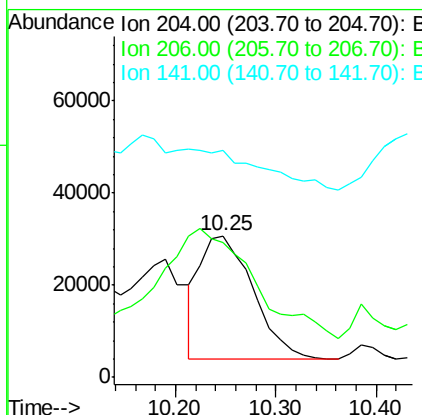
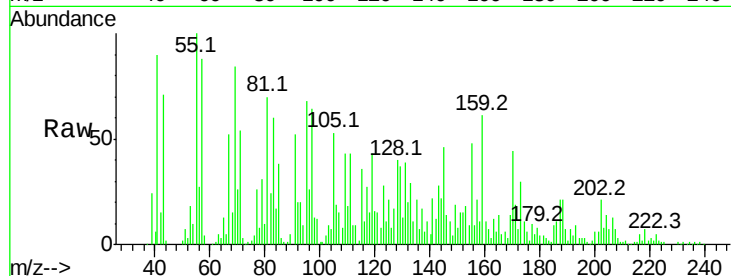
#60
4-Chlorophenyl-phenylether
Concen: 73.54 ng
RT: 10.25 min Scan# 714
Delta R.T. -0.10 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Instrument :
BNA_F
ClientSampleId :
TW-1-04062016

Tot Ion	Ratio	Lower	Upper
204	100		
206	95.3	26.6	39.8#
141	160.0	57.4	86.0#

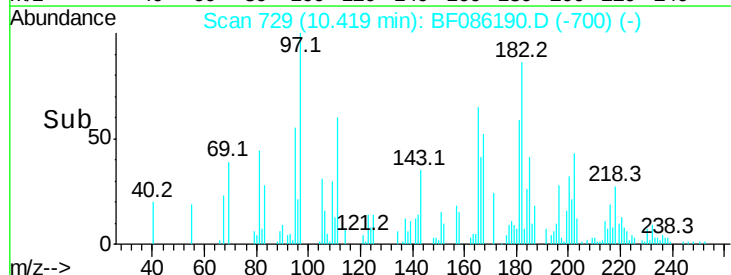
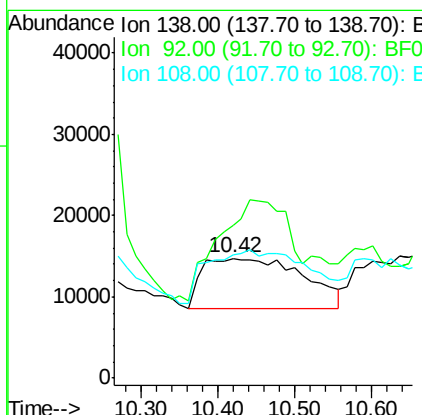
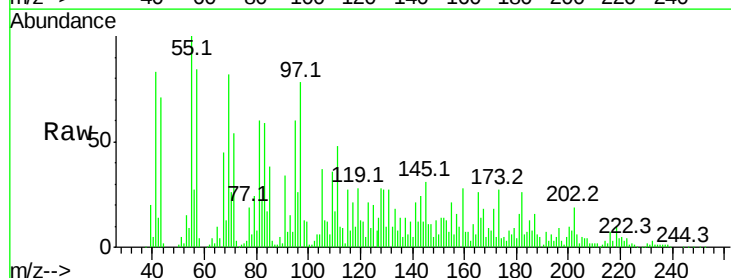
Manual Integrations
APPROVED

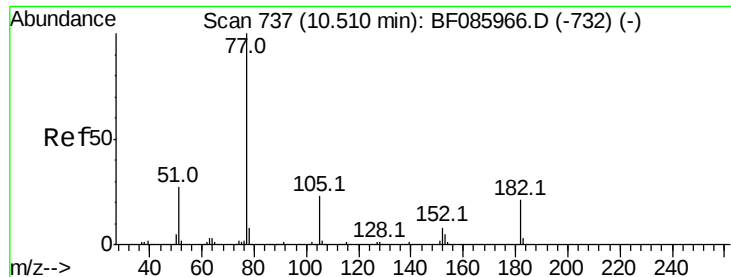
Sohil
4/11/2016 5:45:26 PM



#61
4-Nitroaniline
Concen: 71.49 ng
RT: 10.42 min Scan# 729
Delta R.T. 0.03 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Tgt Ion	Ratio	Lower	Upper
138	100		
92	127.7	26.4	66.4#
108	103.5	49.0	89.0#





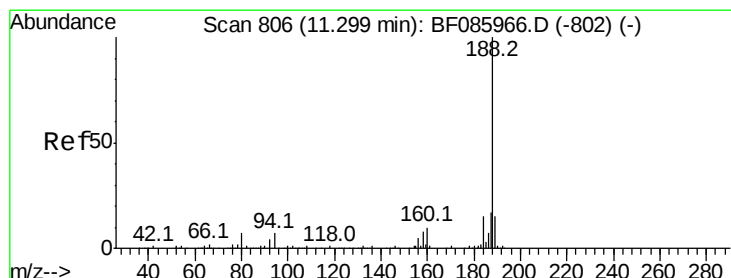
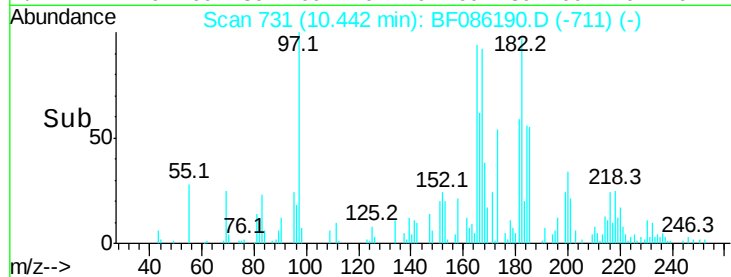
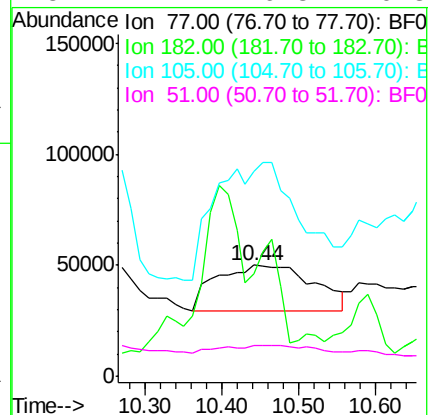
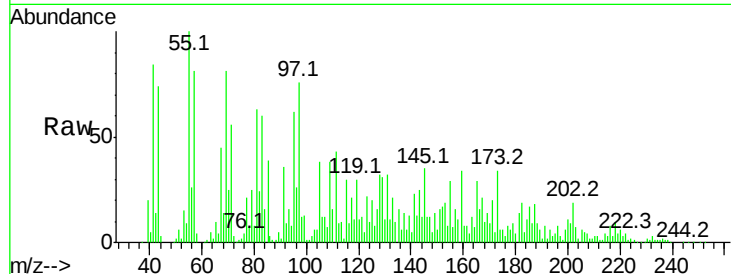
#62
Azobenzene
Concen: 58.88 ng
RT: 10.44 min Scan# 731
Delta R.T. -0.07 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Instrument :
BNA_F
ClientSampleId :
TW-1-04062016

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		180345		
182	92.4	1.9	41.9#		
105	184.6	3.5	43.5#		
51	27.7	6.3	46.3		

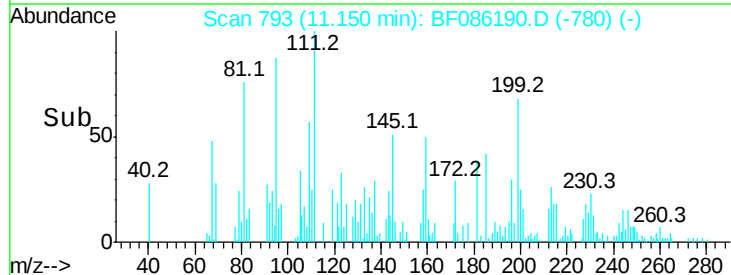
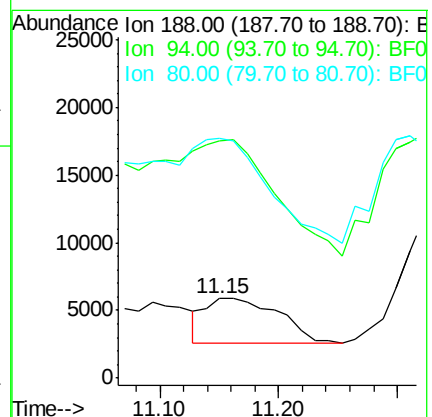
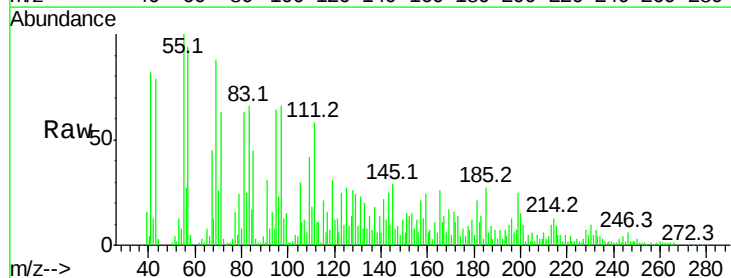
Manual Integrations
APPROVED

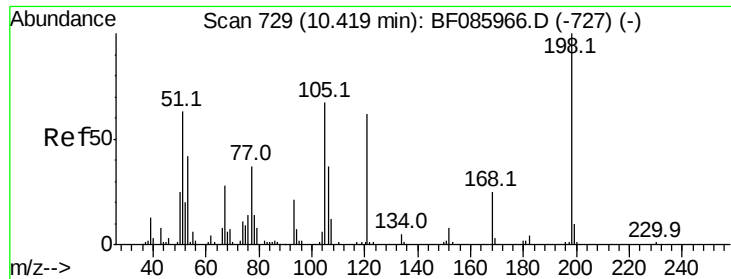
Sohil
4/11/2016 5:45:26 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 793
Delta R.T. -0.15 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		14423		
94	298.1	5.4	8.0#		
80	300.6	5.5	8.3#		





#64

4,6-Dinitro-2-methylphenol

Concen: 18.91 ng

RT: 10.32 min Scan# 720

Delta R.T. -0.10 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Instrument :

BNA_F

ClientSampleId :

TW-1-04062016

Tot Ion:198 Resp: 1653

Ion Ratio Lower Upper

198 100

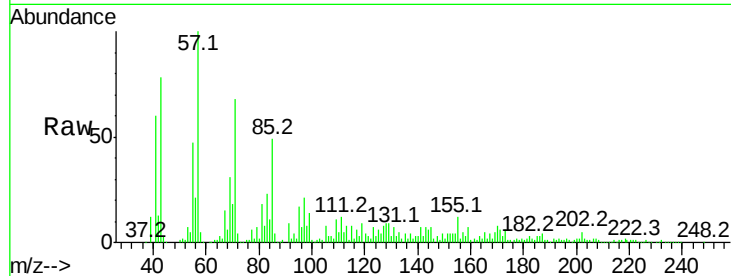
51 872.1 45.4 85.4#

105 3331.3 45.9 85.9#

Manual Integrations
APPROVED

Sohil

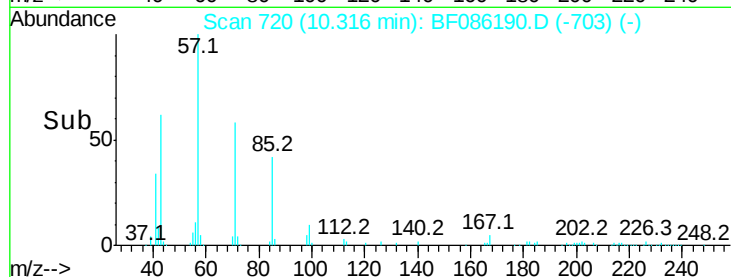
4/11/2016 5:45:26 PM



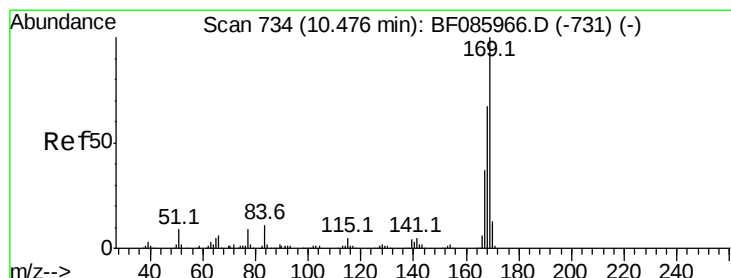
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



Time--> 10.25 10.30 10.35



#65

n-Nitrosodiphenylamine

Concen: 145.60 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.22 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

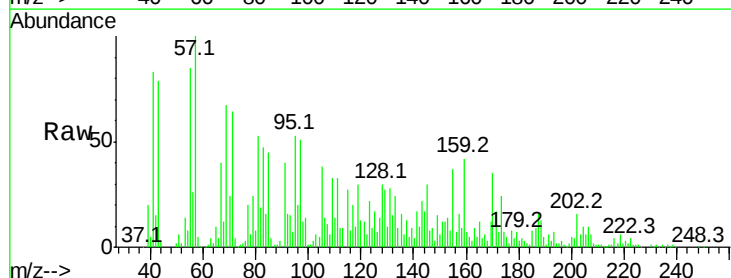
Tgt Ion:169 Resp: 65676

Ion Ratio Lower Upper

169 100

168 25.3 54.4 81.6#

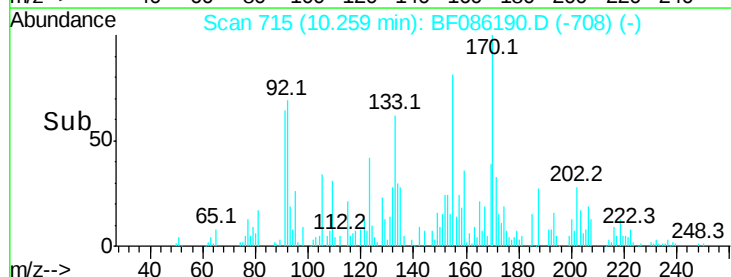
167 48.3 29.4 44.0#



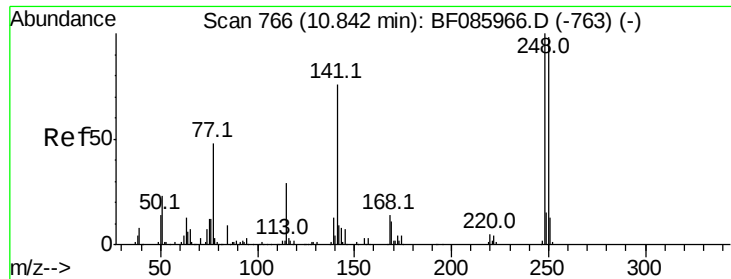
Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 10.15 10.20 10.25 10.30



#66

4-Bromophenyl-phenylether

Concen: 51.16 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.15 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Instrument :

BNA_F

ClientSampleId :

TW-1-04062016

Tot Ion:248 Resp: 7534

Ion Ratio Lower Upper

248 100

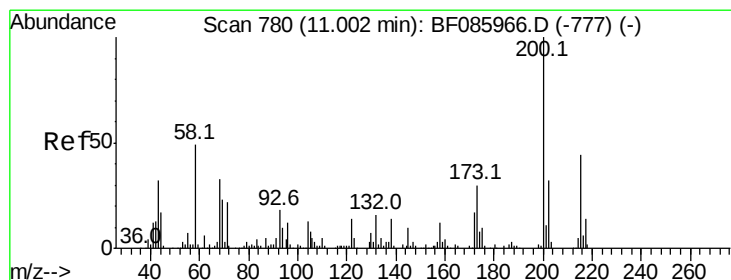
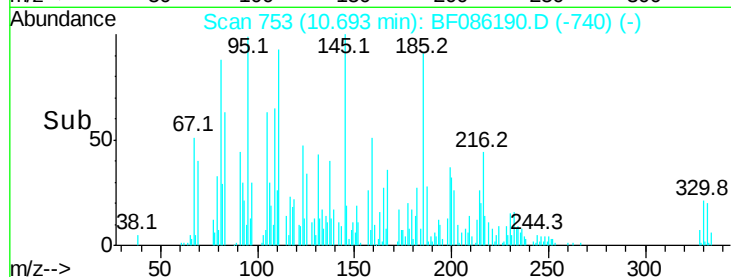
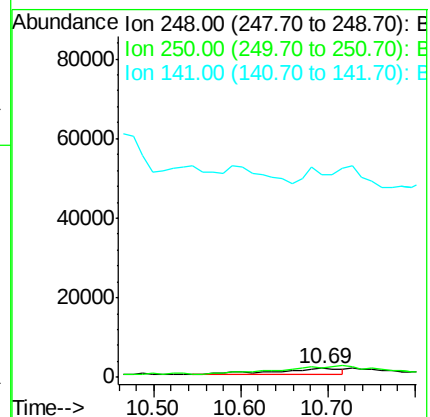
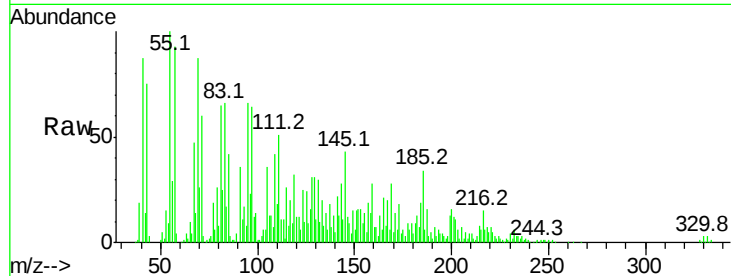
250 112.1 77.4 116.0

141 2281.5 63.6 95.4

Manual Integrations
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Sohil

4/11/2016 5:45:26 PM



#68

Atrazine

Concen: 211.87 ng

RT: 10.88 min Scan# 769

Delta R.T. -0.13 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

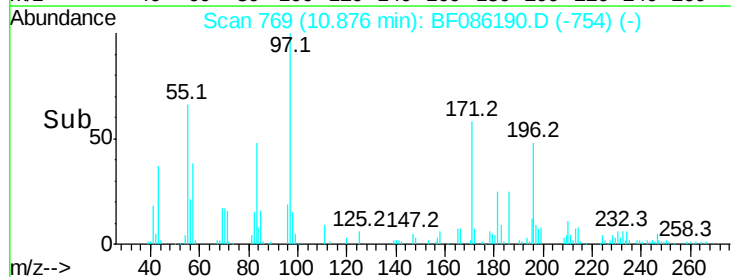
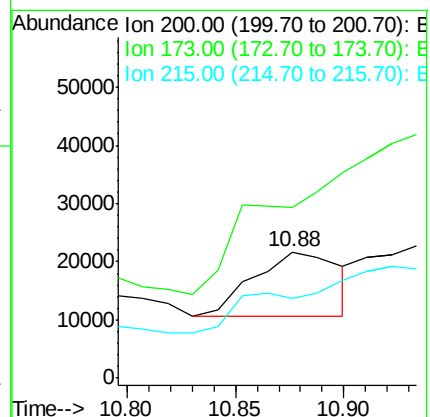
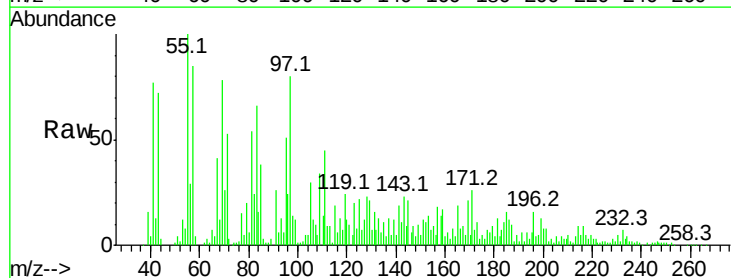
Tgt Ion:200 Resp: 30878

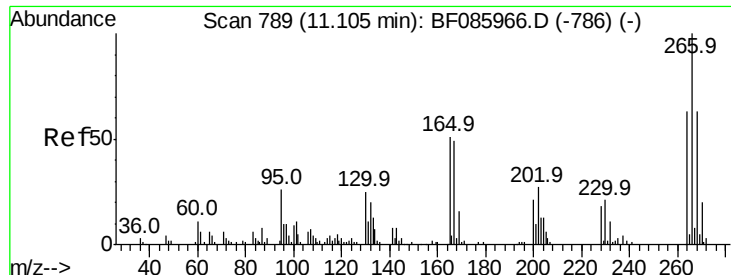
Ion Ratio Lower Upper

200 100

173 135.2 7.7 47.7#

215 63.0 25.4 65.4





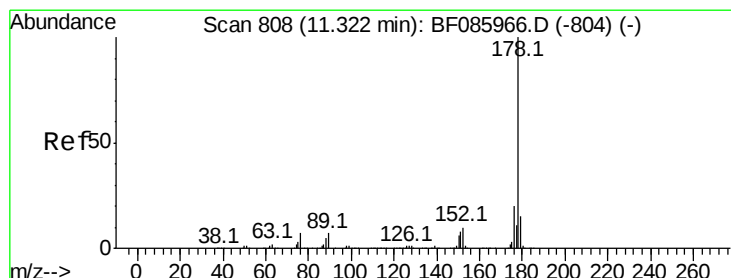
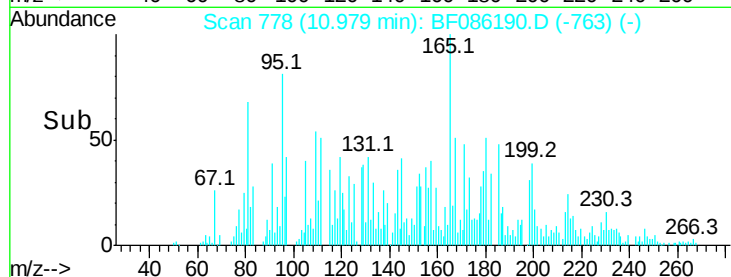
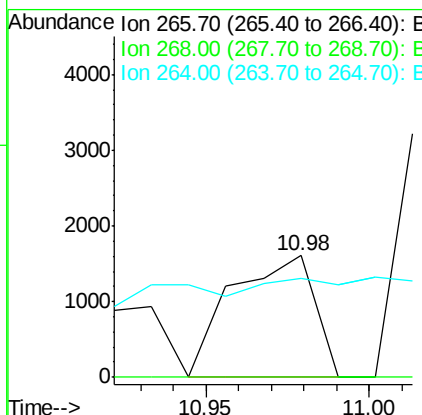
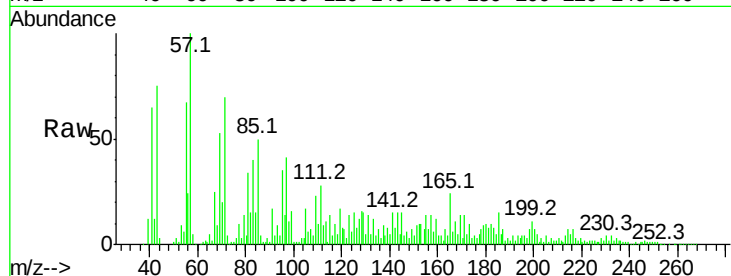
#69
 Pentachlorophenol
 Concen: 39.64 ng
 RT: 10.98 min Scan# 778
 Delta R.T. -0.13 min
 Lab File: BF086190.D
 Acq: 9 Apr 2016 1:34

Instrument :
 BNA_F
 ClientSampleId :
 TW-1-04062016

Tot Ion	Ratio	Resp	Lower	Upper
266	100	2829		
268	0.0	51.5	77.3#	
264	81.3	50.6	76.0#	

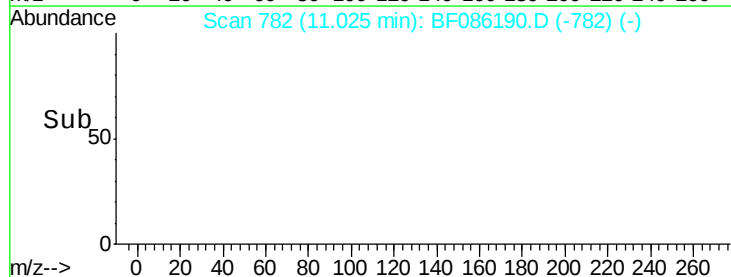
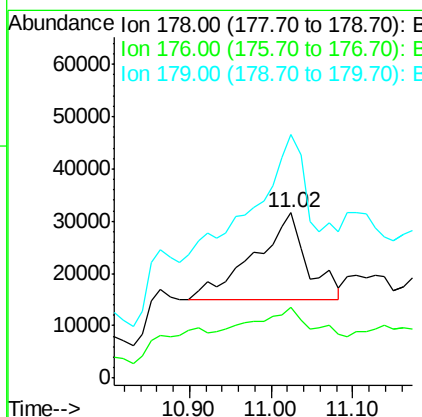
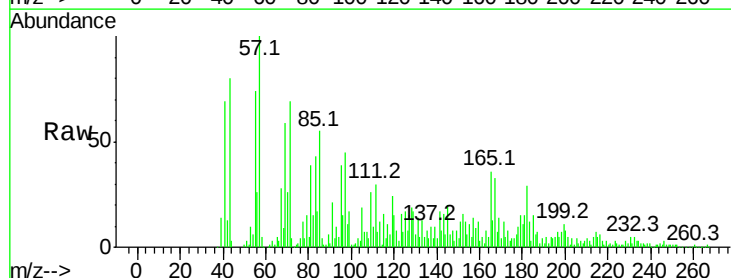
Manual Integrations
 APPROVED

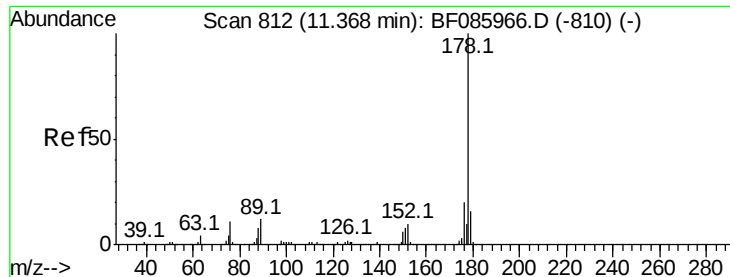
Sohil
 4/11/2016 5:45:26 PM



#70
 Phenanthrene
 Concen: 95.18 ng
 RT: 11.02 min Scan# 782
 Delta R.T. -0.30 min
 Lab File: BF086190.D
 Acq: 9 Apr 2016 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	74895		
176	42.6	16.3	24.5#	
179	147.3	12.6	18.8#	





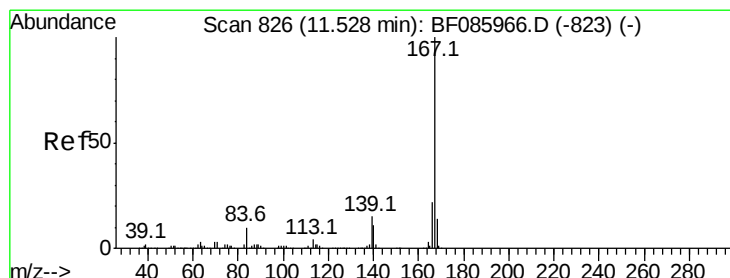
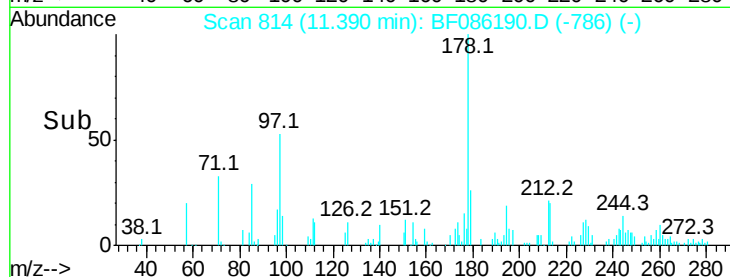
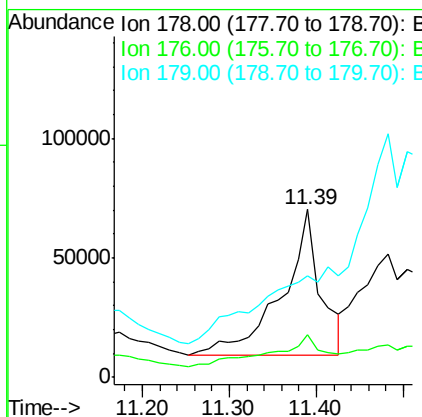
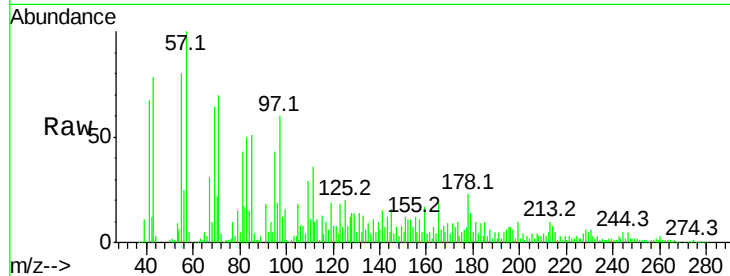
#71
 Anthracene
 Concen: 228.82 ng
 RT: 11.39 min Scan# 814
 Delta R.T. 0.02 min
 Lab File: BF086190.D
 Acq: 9 Apr 2016 1:34

Instrument :
 BNA_F
 ClientSampleId :
 TW-1-04062016

Tot Ion	Ratio	Lower	Upper
178	100		
176	25.1	15.9	23.9#
179	60.2	13.0	19.4#

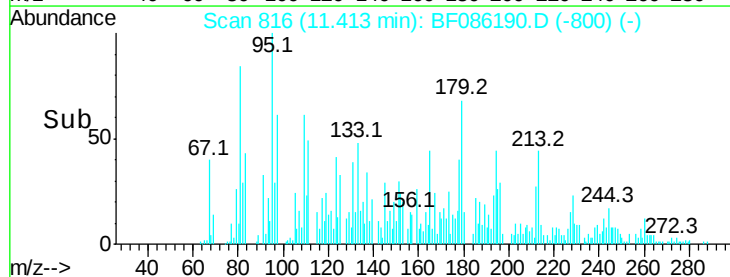
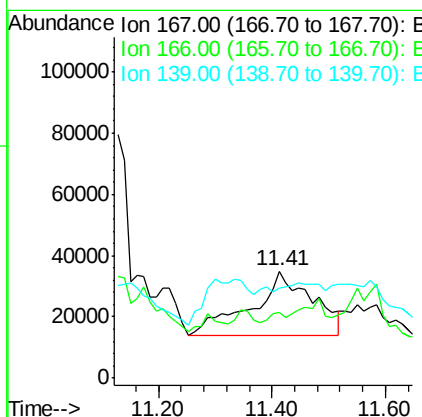
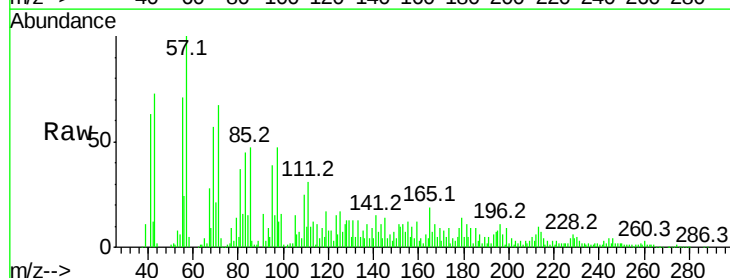
Manual Integrations
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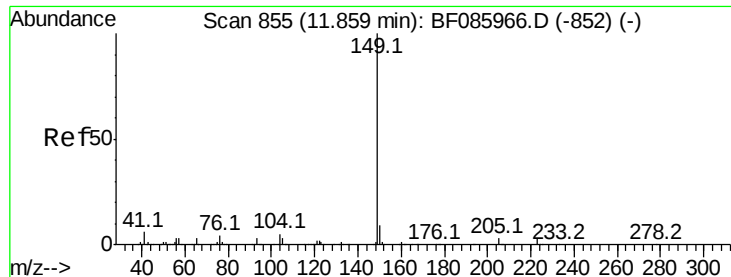
Sohil
 4/11/2016 5:45:26 PM



#72
 Carbazole
 Concen: 220.40 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.11 min
 Lab File: BF086190.D
 Acq: 9 Apr 2016 1:34

Tgt Ion	Ratio	Lower	Upper
167	100		
166	61.6	17.8	26.8#
139	84.1	11.6	17.4#





#73

Di-n-butylphthalate

Concen: 108.81 ng

RT: 11.74 min Scan# 845

Delta R.T. -0.11 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Instrument :

BNA_F

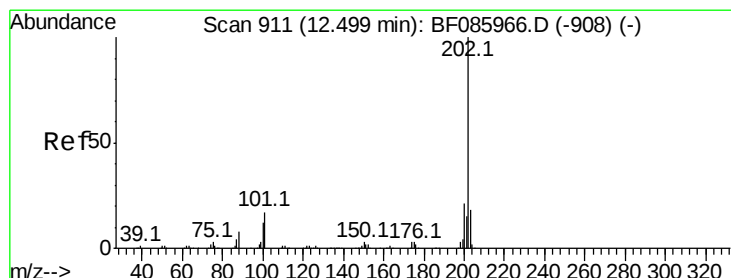
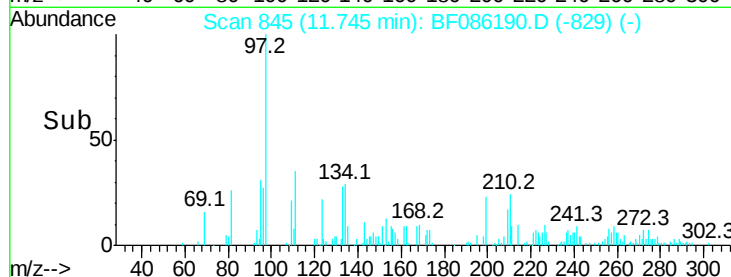
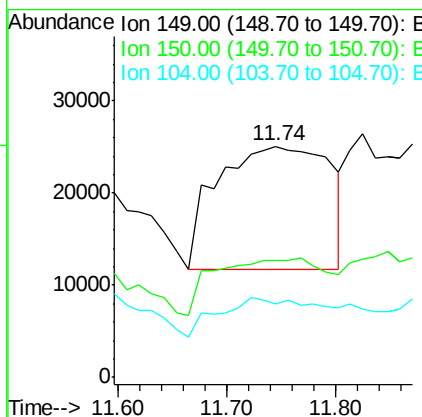
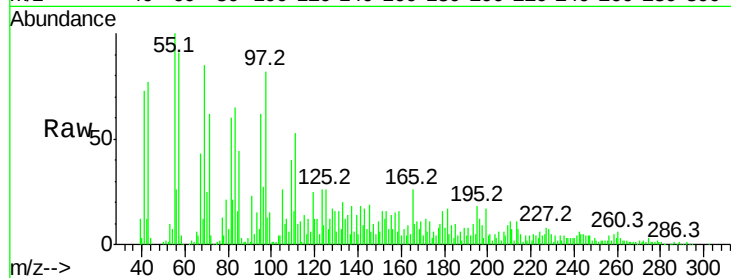
ClientSampleId :

TW-1-04062016

Tot Ion:	149	Resp:	95531
Ion Ratio	Lower	Upper	
149	100		
150	50.3	7.6	11.4#
104	31.6	3.8	5.8#

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#74

Fluoranthene

Concen: 16.08 ng

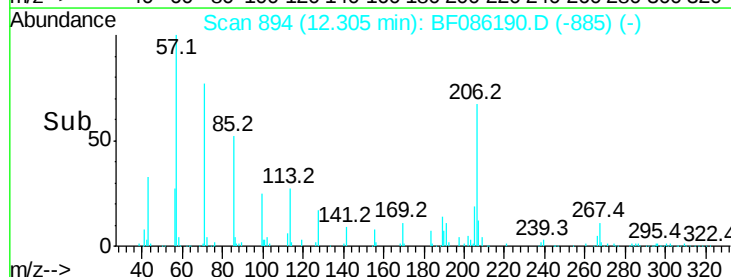
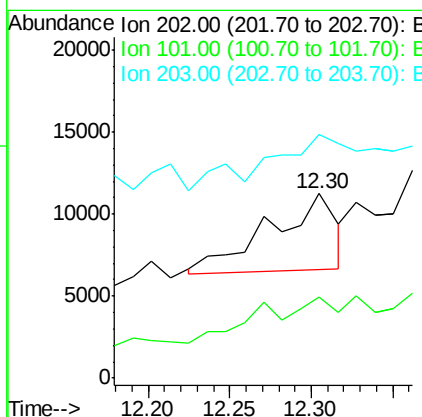
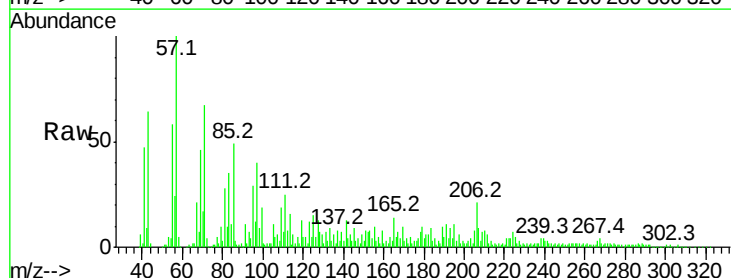
RT: 12.30 min Scan# 894

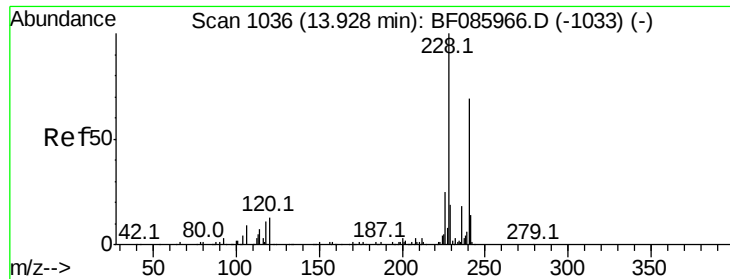
Delta R.T. -0.19 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Tgt Ion:	202	Resp:	13157
Ion Ratio	Lower	Upper	
202	100		
101	44.2	0.0	36.6#
203	132.1	0.0	38.1#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Instrument :

BNA_F

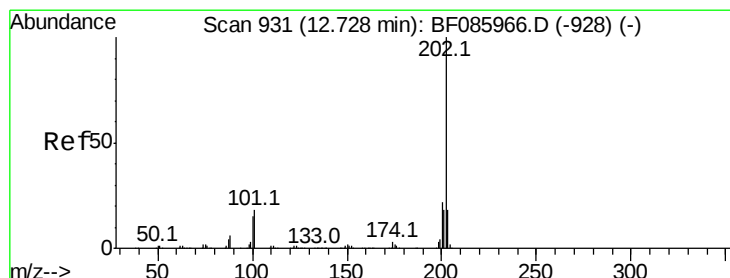
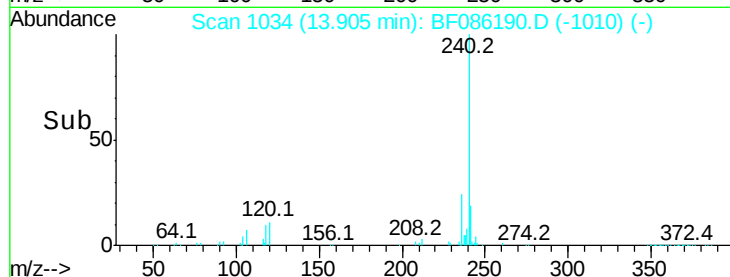
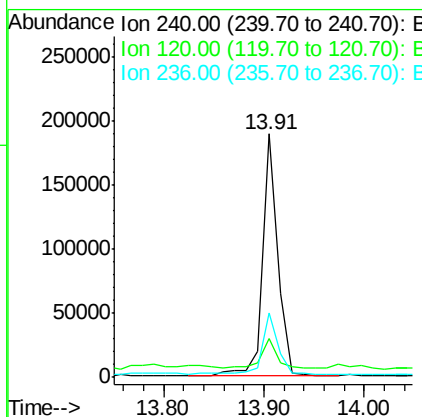
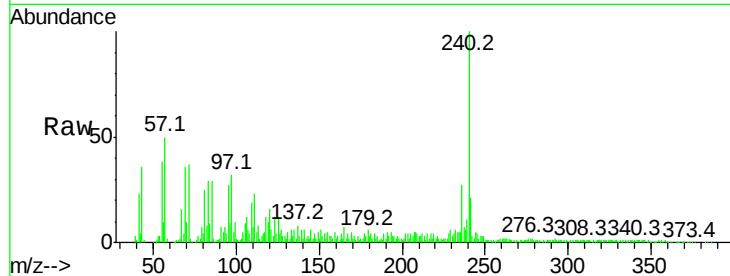
ClientSampleId :

TW-1-04062016

Tot Ion:	240	Resp:	197836
Ion Ratio	Lower	Upper	
240	100		
120	15.8	13.8	20.8
236	26.5	20.6	30.8

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#77

Pyrene

Concen: 14.44 ng

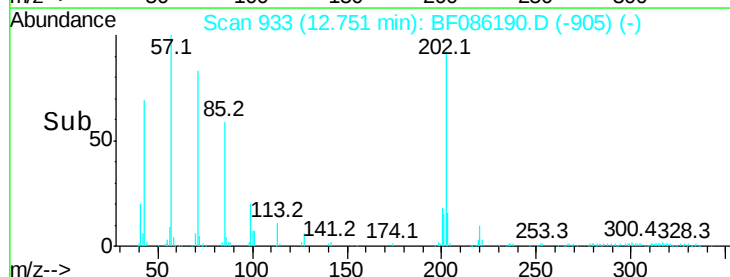
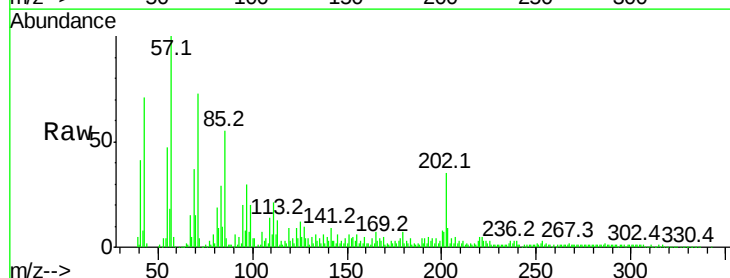
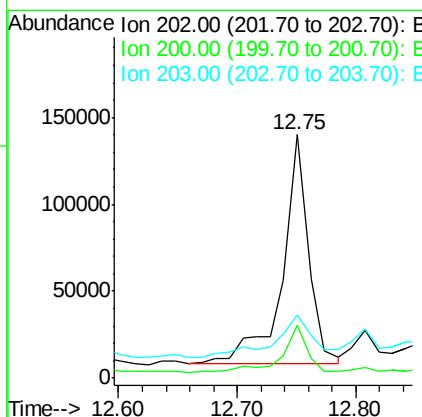
RT: 12.75 min Scan# 933

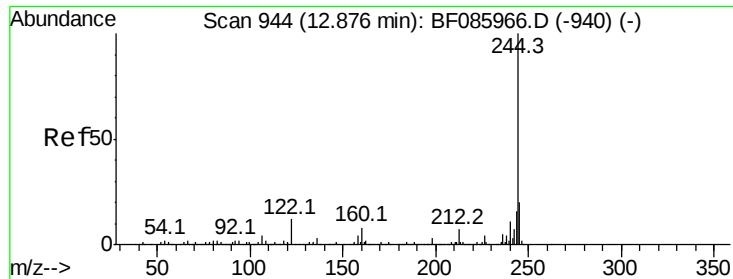
Delta R.T. 0.02 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Tgt Ion:	202	Resp:	201253
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.6	26.4
203	25.7	14.0	21.0#





#78

Terphenyl-d14

Concen: 44.21 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.00 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Instrument :

BNA_F

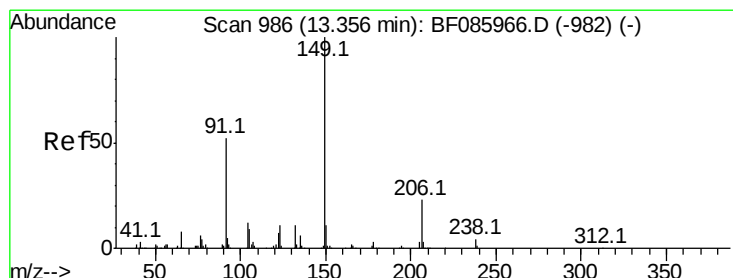
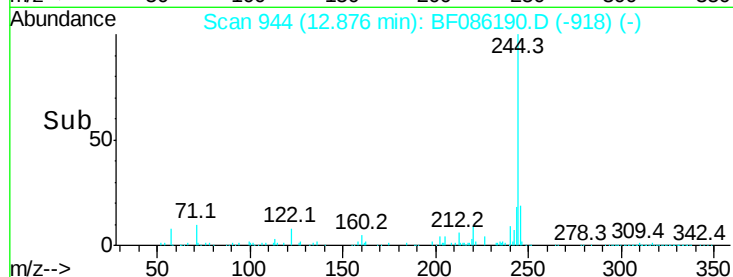
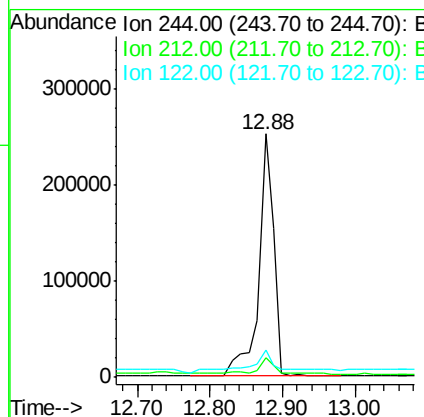
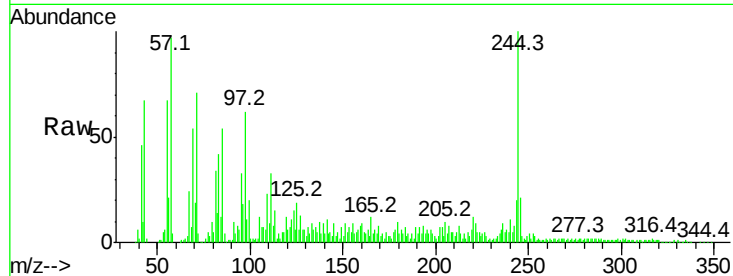
ClientSampleId :

TW-1-04062016

Tot Ion:	244	Resp:	372051
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.1	9.1
122	11.4	10.2	15.4

Manual Integrations
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#79

Butylbenzylphthalate

Concen: 6.08 ng

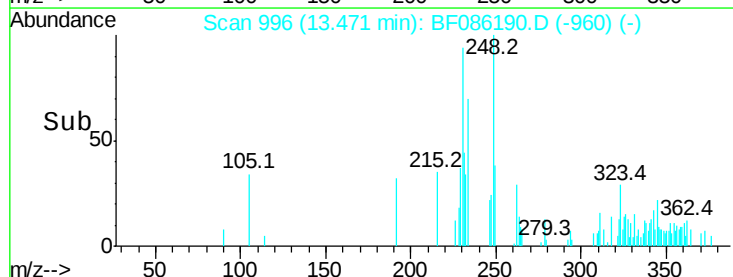
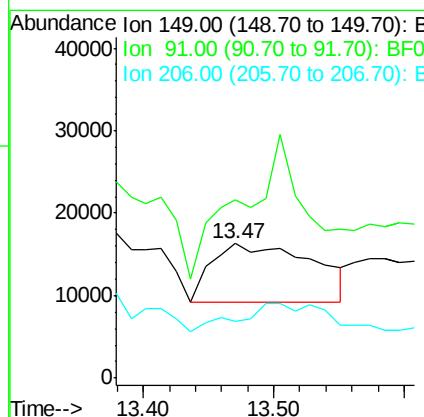
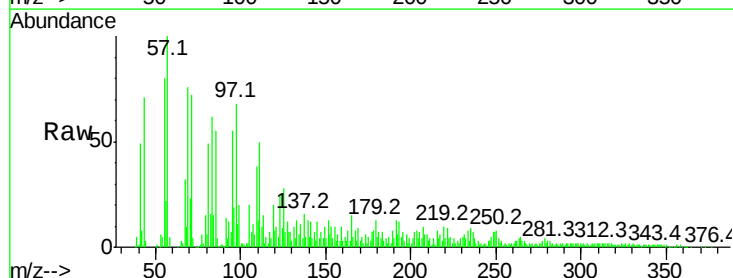
RT: 13.47 min Scan# 996

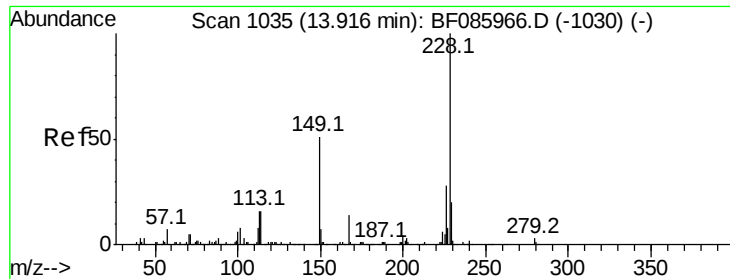
Delta R.T. 0.11 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Tgt Ion:	149	Resp:	38139
Ion Ratio	Lower	Upper	
149	100		
91	132.5	45.8	68.8#
206	41.8	17.8	26.8#





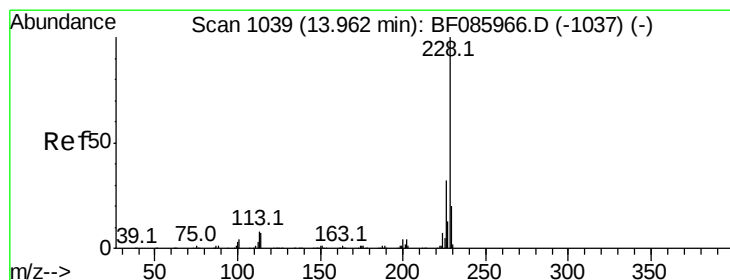
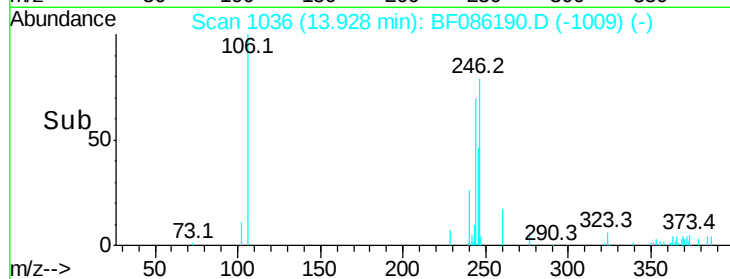
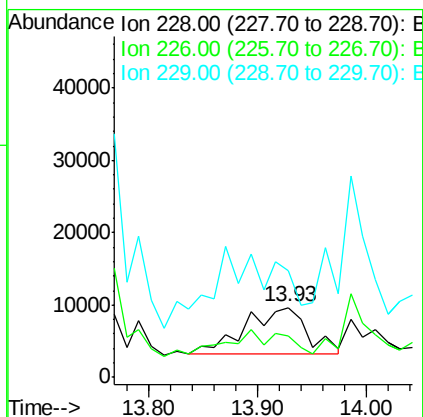
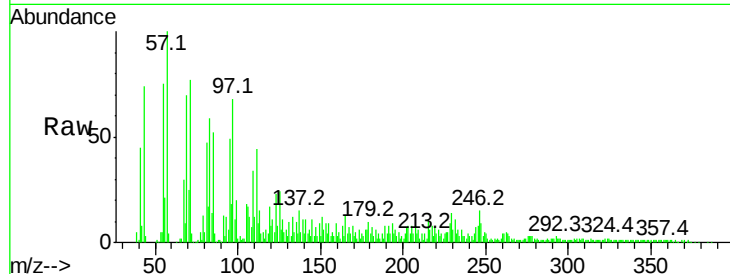
#80
Benzo(a)anthracene
Concen: 2.16 ng
RT: 13.93 min Scan# 1036
Delta R.T. 0.01 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Instrument :
BNA_F
ClientSampleId :
TW-1-04062016

Tot Ion	Ratio	Lower	Upper
228	100		
226	59.4	22.1	33.1#
229	153.9	16.2	24.4#

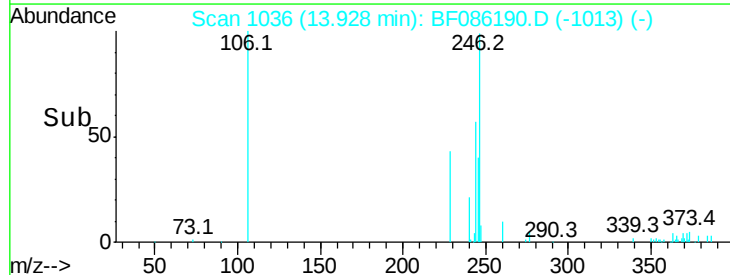
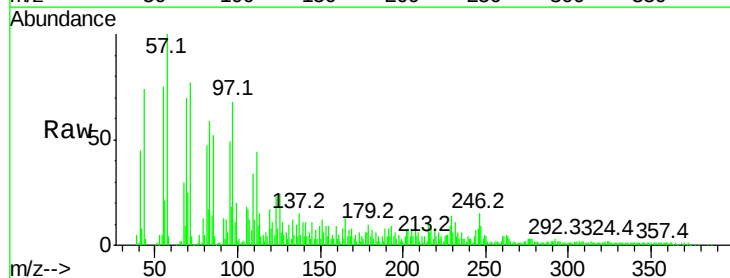
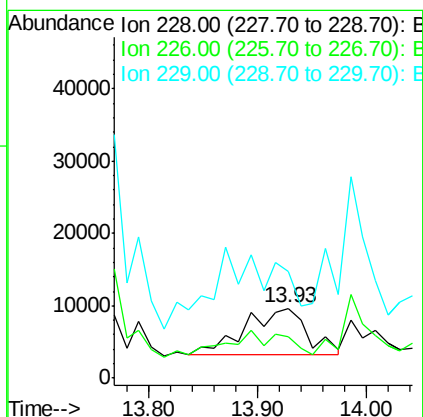
Manual Integrations
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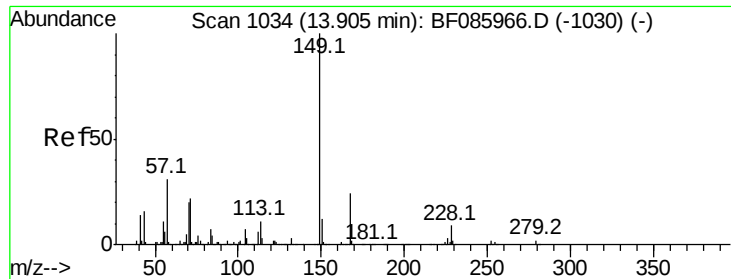
Sohil
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#82
Chrysene
Concen: 2.23 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.03 min
Lab File: BF086190.D
Acq: 9 Apr 2016 1:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	59.4	25.0	37.6#
229	153.9	15.7	23.5#





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.58 ng

RT: 13.79 min Scan# 1024

Delta R.T. -0.11 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Instrument :

BNA_F

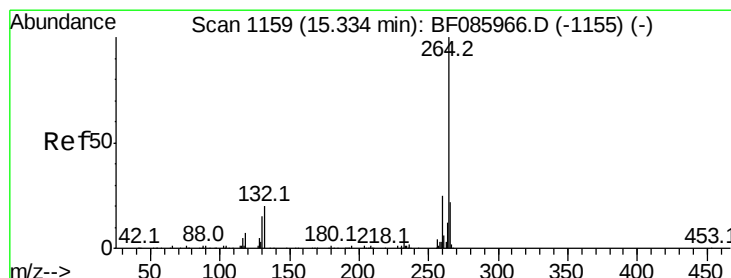
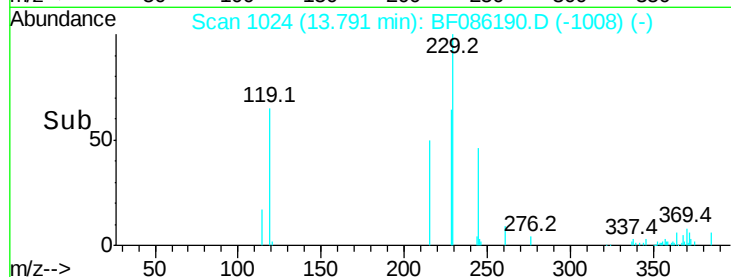
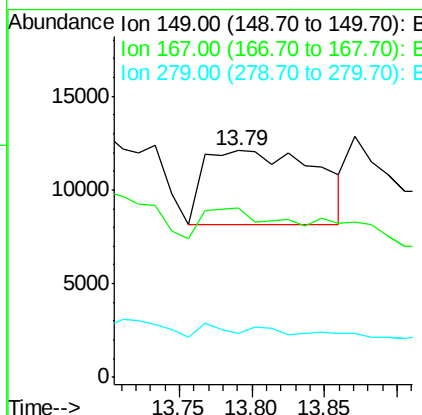
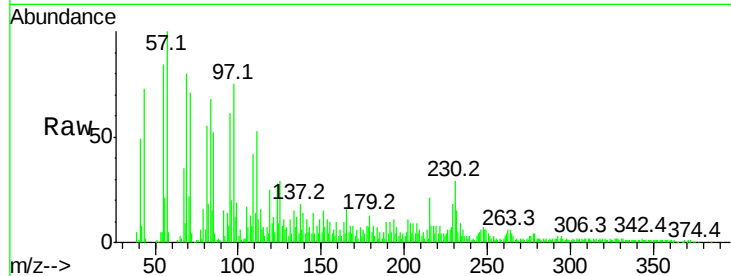
ClientSampleId :

TW-1-04062016

Tot Ion:	149	Resp:	21467
Ion Ratio	Lower	Upper	
149	100		
167	74.7	19.4	29.2#
279	19.6	1.5	2.3#

Manual Integrations
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#86

Perylene-d12

Concen: 20.00 ng

RT: 15.29 min Scan# 1155

Delta R.T. -0.05 min

Lab File: BF086190.D

Acq: 9 Apr 2016 1:34

Tgt Ion:	264	Resp:	207515
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.4	29.2
265	21.2	17.2	25.8

