

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082015\
 Data File : BF081139.D
 Acq On : 20 Aug 2015 22:46
 Operator : UM/IZ
 Sample : G3350-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A-PIPE(4)MSD

Manual Integrations
 APPROVED

MMDadoda
 8/21/2015 2:03:48 PM

Quant Time: Aug 21 03:50:44 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 11:22:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	59323	20.00	ng	0.01
21) Naphthalene-d8	7.90	136	143929	20.00	ng	0.02
38) Acenaphthene-d10	9.69	164	66961	20.00	ng	0.07
63) Phenanthrene-d10	11.16	188	123921	20.00	ng	0.07
75) Chrysene-d12	13.72	240	113111	20.00	ng	0.01
86) Perylene-d12	15.04	264	110350	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.16	112	482425	122.32	ng	0.01
7) Phenol-d6	6.23	99	580614	112.83	ng	0.00
23) Nitrobenzene-d5	7.17	82	407665	129.39	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	64455	111.04	ng	0.07
44) 2-Fluorobiphenyl	9.01	172	370213	72.44	ng	0.05
78) Terphenyl-d14	12.70	244	331169	62.77	ng	0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.02	88	57886	31.15	ng	96
3) Pyridine	2.64	79	146085	27.85	ng	# 81
4) n-Nitrosodimethylamine	2.60	42	104141	35.66	ng	# 76
6) Aniline	6.24	93	79970	10.69	ng	# 1
8) 2-Chlorophenol	6.37	128	144444	33.46	ng	96
9) Benzaldehyde	6.14	77	99104m	29.87	ng	
10) Phenol	6.24	94	192907	31.74	ng	98
11) bis(2-Chloroethyl)ether	6.33	93	150709	32.32	ng	87
12) 1,3-Dichlorobenzene	6.53	146	143448	30.92	ng	# 95
13) 1,4-Dichlorobenzene	6.61	146	140243	30.53	ng	# 87
14) 1,2-Dichlorobenzene	6.77	146	122589m	28.52	ng	
15) Benzyl Alcohol	6.74	79	129688	31.15	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.89	45	199548	21.78	ng	# 1
17) 2-Methylphenol	6.86	107	127312	34.37	ng	# 65
18) Hexachloroethane	7.18	117	1305004	703.16	ng	# 54
19) n-Nitroso-di-n-propylamine	7.02	70	200834	56.34	ng	# 90
20) 3+4-Methylphenols	7.03	107	146863	31.24	ng	# 87
22) Acetophenone	7.01	105	1023564	270.88	ng	# 44
24) Nitrobenzene	7.18	77	360734	109.50	ng	# 62
25) Isophorone	7.43	82	386988	65.86	ng	# 24
26) 2-Nitrophenol	7.51	139	102558	74.86	ng	# 1
27) 2,4-Dimethylphenol	7.57	122	120687	49.80	ng	# 92
28) bis(2-Chloroethoxy)methane	7.67	93	188052	54.18	ng	# 6
29) 2,4-Dichlorophenol	7.77	162	116035	56.87	ng	# 67
30) 1,2,4-Trichlorobenzene	7.85	180	100159	44.16	ng	# 88
31) Naphthalene	7.93	128	2069899	258.00	ng	# 85
33) 4-Chloroaniline	7.93	127	446367	131.86	ng	# 48
34) Hexachlorobutadiene	8.06	225	54630	42.60	ng	97
35) Caprolactam	8.38	113	264179	370.43	ng	# 7
36) 4-Chloro-3-methylphenol	8.48	107	113825	46.81	ng	# 87
37) 2-Methylnaphthalene	8.66	142	3837346	757.19	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.81	216	67742	31.36	ng	# 80
40) Hexachlorocyclopentadiene	8.80	237	48178	43.08	ng	97
42) 2,4,6-Trichlorophenol	8.93	196	89457	58.61	ng	96

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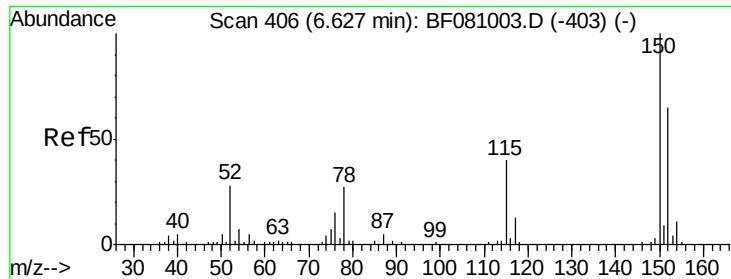
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	8.93	196	89457	58.64	nq	# 1
45) 1,1'-Biphenyl	9.11	154	618243	104.82	nq	94
46) 2-Chloronaphthalene	9.14	162	163305	34.46	nq	# 15
47) 2-Nitroaniline	9.22	65	137577	70.95	nq	# 79
48) Acenaphthylene	9.56	152	326562	38.53	nq	# 59
49) Dimethylphthalate	9.41	163	150285	27.25	nq	# 85
50) 2,6-Dinitrotoluene	9.49	165	37531	31.70	nq	# 1
51) Acenaphthene	9.73	154	333648	65.75	nq	# 77
54) Dibenzofuran	9.90	168	342298	50.34	nq	# 36
55) 4-Nitrophenol	9.80	139	178503	171.53	nq	# 53
56) 2,4-Dinitrotoluene	9.91	165	111248	70.89	nq	# 79
57) Fluorene	10.24	166	618004	118.14	nq	# 75
59) Diethylphthalate	10.10	149	176206	30.19	nq	# 82
60) 4-Chlorophenyl-phenylether	10.23	204	82468	37.26	nq	# 1
62) Azobenzene	10.39	77	157072	23.35	nq	# 21
64) 4,6-Dinitro-2-methylphenol	10.31	198	13134	17.75	nq	# 1
65) n-Nitrosodiphenylamine	10.33	169	646473m	146.14	nq	
66) 4-Bromophenyl-phenylether	10.71	248	42833	35.18	nq	# 1
67) Hexachlorobenzene	10.82	284	38180	30.97	nq	# 47
68) Atrazine	10.87	200	67207	54.53	nq	# 72
69) Pentachlorophenol	10.98	266	45364	61.33	nq	99
70) Phenanthrene	11.19	178	1380272	187.94	nq	# 93
71) Anthracene	11.24	178	355103	49.69	nq	# 80
72) Carbazole	11.39	167	278752	40.51	nq	# 66
73) Di-n-butylphthalate	11.72	149	299579	35.98	nq	# 93
74) Fluoranthene	12.35	202	327162	41.28	nq	87
76) Benzidine	12.45	184	61822	14.47	nq	# 75
77) Pvrene	12.56	202	630215	68.54	nq	96
79) Butylbenzylphthalate	13.16	149	140169	35.46	nq	# 60
80) Benzo(a)anthracene	13.71	228	260851	34.39	nq	97
81) 3,3'-Dichlorobenzidine	13.67	252	58152	23.67	nq	99
82) Chrysene	13.74	228	269284	39.39	nq	98
83) Bis(2-ethylhexyl)phthalate	13.72	149	218505	43.16	nq	99
84) Di-n-octyl phthalate	14.32	149	329397	42.81	nq	98
85) Indeno(1,2,3-cd)pyrene	16.24	276	271488	56.56	nq	95
87) Benzo(b)fluoranthene	14.69	252	264909m	33.94	nq	
88) Benzo(k)fluoranthene	14.71	252	189287m	26.03	nq	
89) Benzo(a)pyrene	14.99	252	227700	33.48	nq	# 97
90) Dibenzo(a,h)anthracene	16.25	278	225741	42.60	nq	# 93
91) Benzo(g,h,i)perylene	16.60	276	230299	42.83	nq	# 90

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



#1

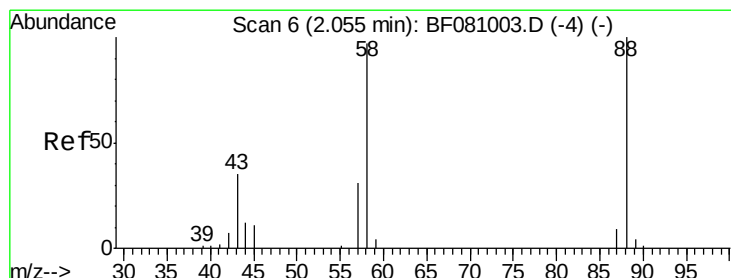
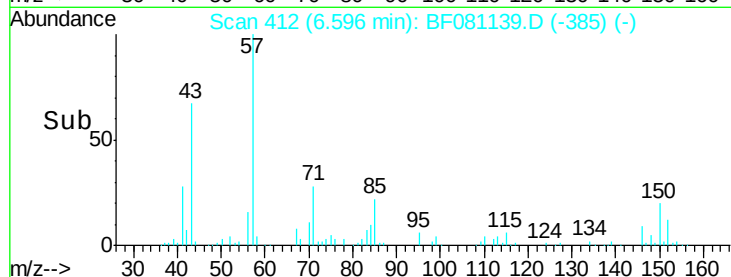
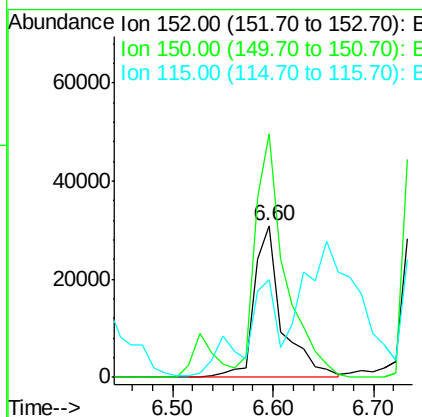
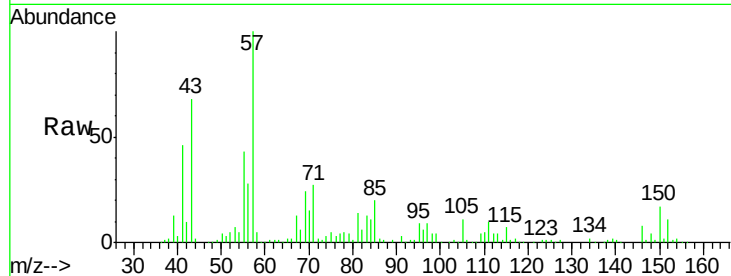
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 412
Delta R.T. 0.01 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	123.8	185.6
115	64.0	52.1	78.1

Manual Integrations
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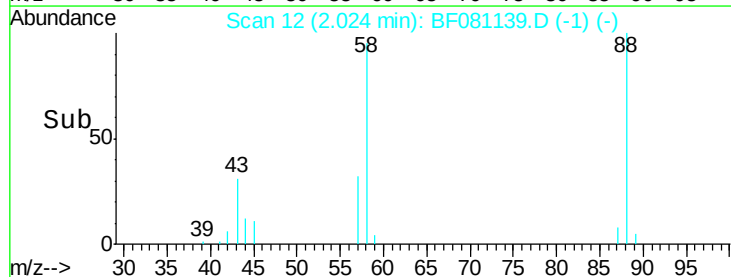
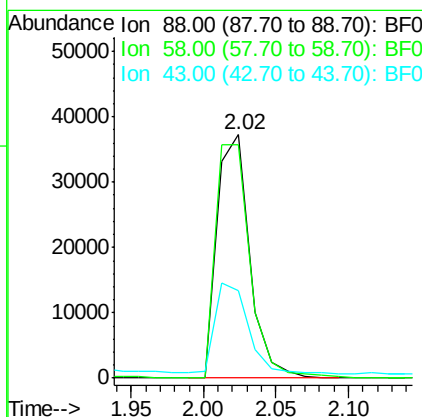
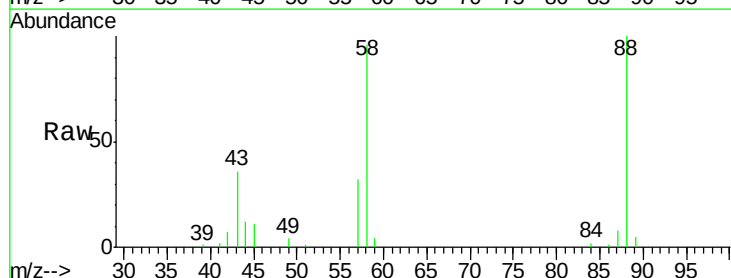
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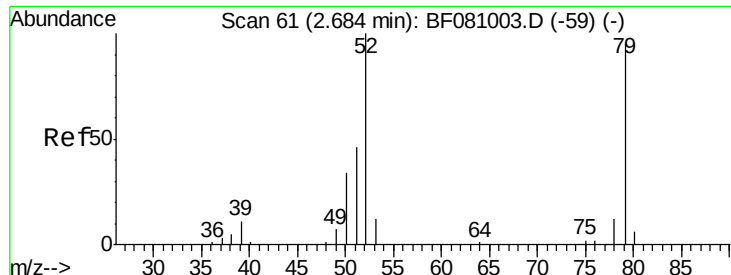


#2

1,4-Dioxane
Concen: 31.15 ng
RT: 2.02 min Scan# 12
Delta R.T. 0.02 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Lower	Upper
88	100		
58	102.1	83.7	125.5
43	42.1	37.5	56.3





#3

Pvridine

Concen: 27.85 ng

RT: 2.64 min Scan# 66

Delta R.T. 0.01 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

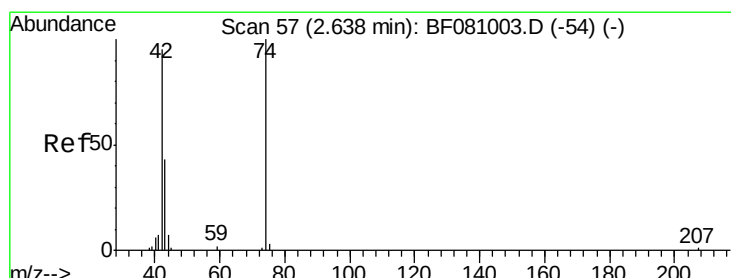
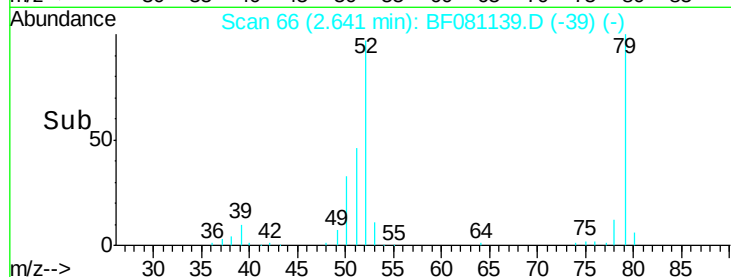
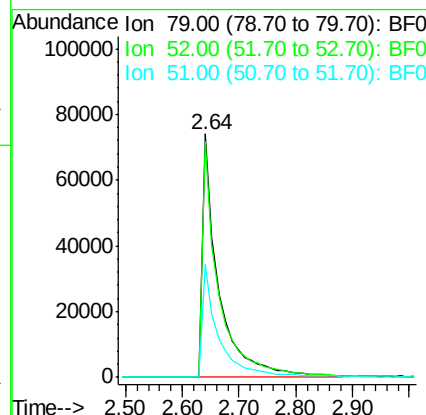
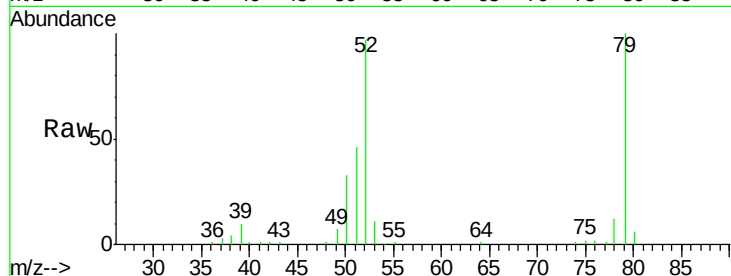
ClientSampleId :

A-PIPE(4)MSD

Tot Ion:	79	Resp:	146085
Ion Ratio	Lower	Upper	
79	100		
52	96.8	95.1	142.7
51	46.4	46.6	70.0#

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 35.66 ng

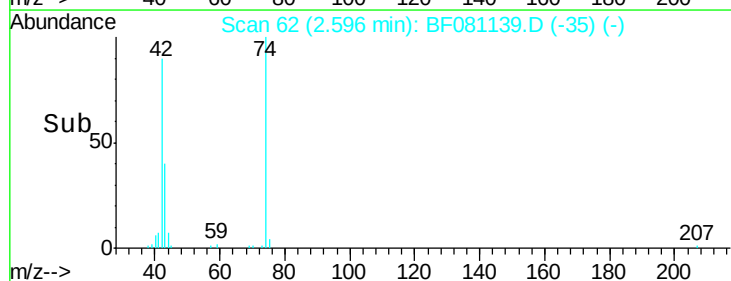
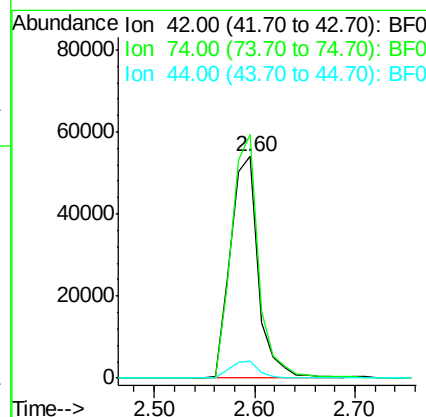
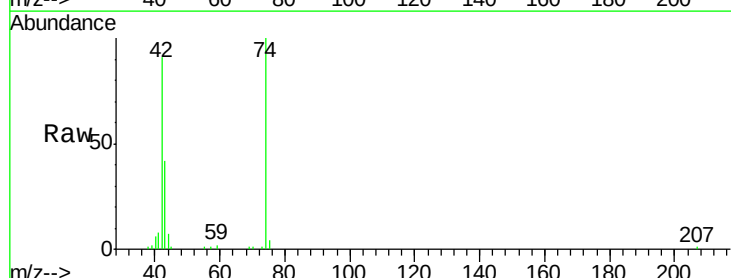
RT: 2.60 min Scan# 62

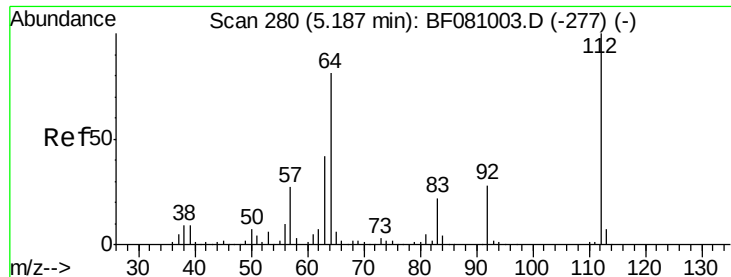
Delta R.T. 0.01 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion:	42	Resp:	104141
Ion Ratio	Lower	Upper	
42	100		
74	109.8	69.3	103.9#
44	7.9	5.5	8.3





#5

2-Fluorophenol

Concen: 122.32 ng

RT: 5.16 min Scan# 286

Delta R.T. 0.01 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

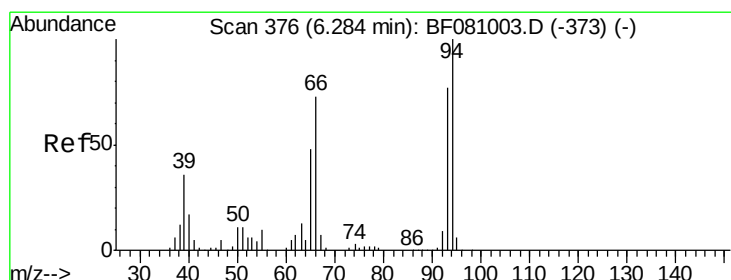
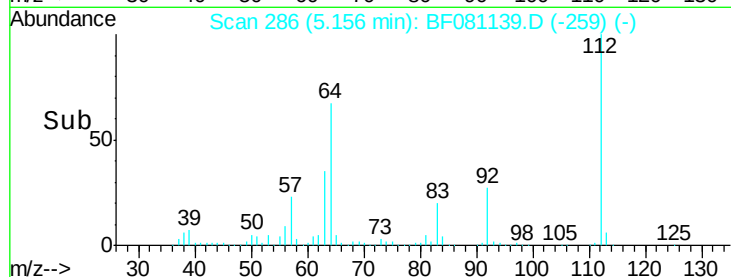
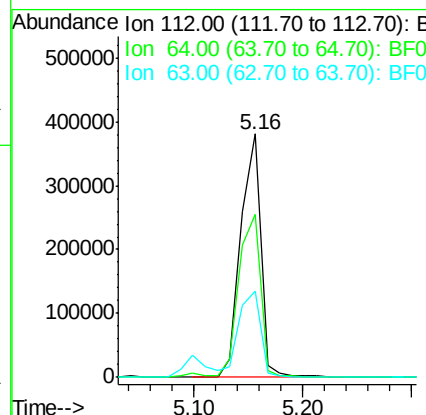
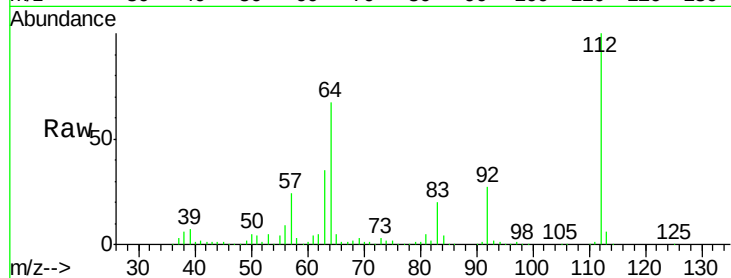
ClientSampleId :

A-PIPE(4)MSD

Tot Ion:	112	Resp:	482425
Ion Ratio	Lower	Upper	
112	100		
64	67.2	66.9	100.3
63	35.4	38.1	57.1#

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#6

Aniline

Concen: 10.69 ng

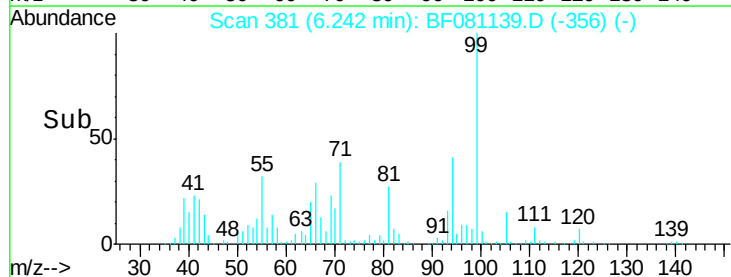
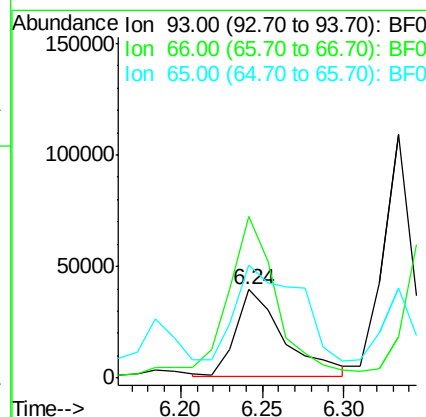
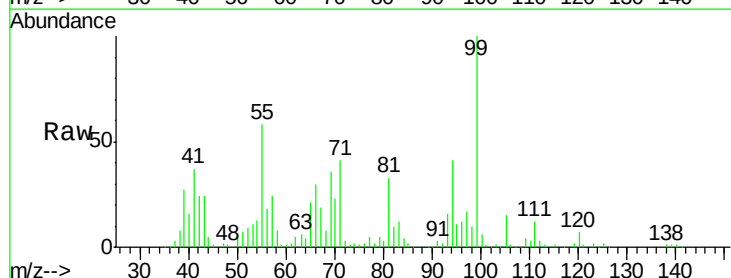
RT: 6.24 min Scan# 381

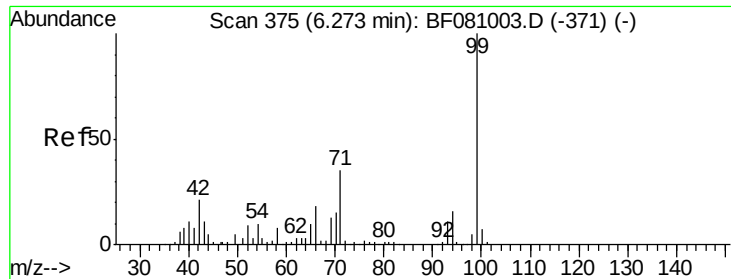
Delta R.T. -0.01 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion:	93	Resp:	79970
Ion Ratio	Lower	Upper	
93	100		
66	182.1	35.6	53.4#
65	128.2	18.7	28.1#





#7

Phenol-d6

Concen: 112.83 ng

RT: 6.23 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

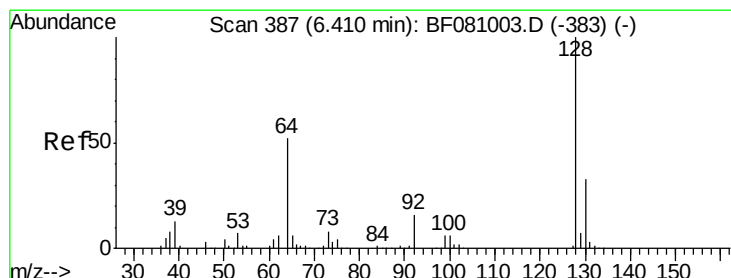
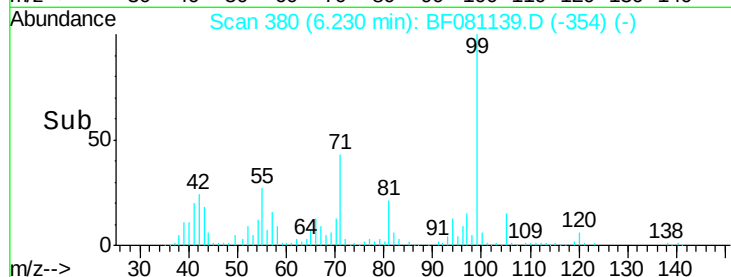
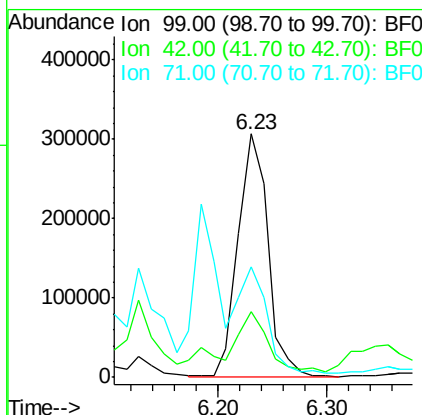
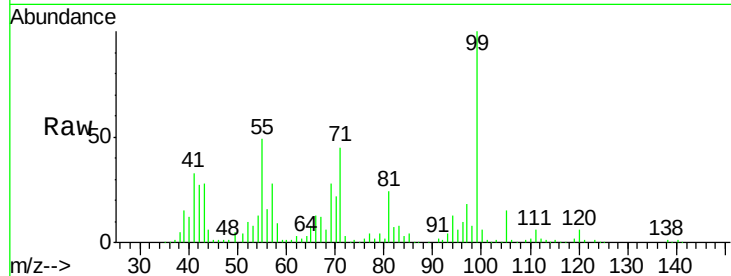
ClientSampleId :

A-PIPE(4)MSD

Tot Ion:	99	Resp:	580614
Ion Ratio	Lower	Upper	
99	100		
42	27.0	19.6	29.4
71	45.4	31.2	46.8

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#8

2-Chlorophenol

Concen: 33.46 ng

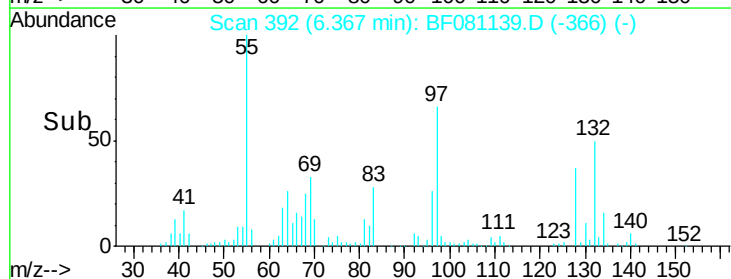
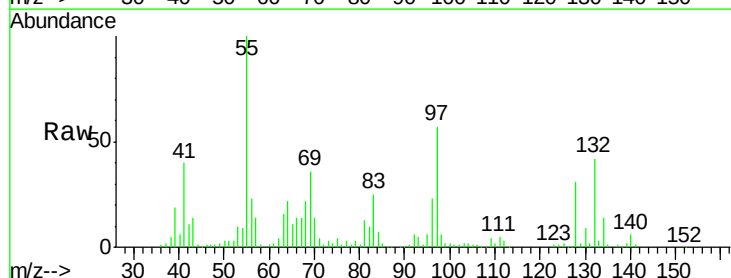
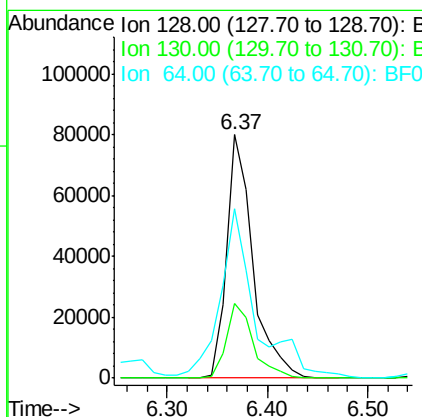
RT: 6.37 min Scan# 392

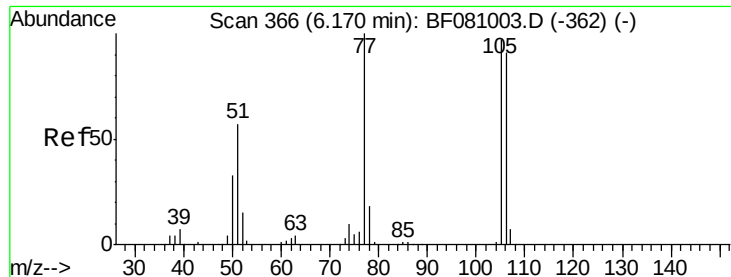
Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion:	128	Resp:	144444
Ion Ratio	Lower	Upper	
128	100		
130	30.6	12.5	52.5
64	69.7	46.8	86.8





#9

Benzaldehyde

Concen: 29.87 ng/mL

RT: 6.14 min Scan# 372

Delta R.T. 0.01 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

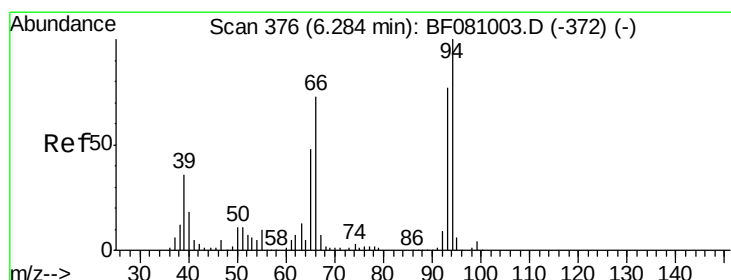
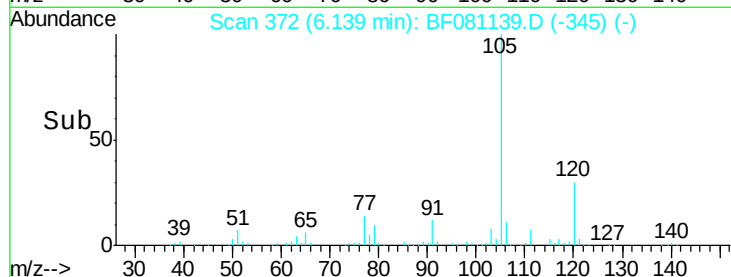
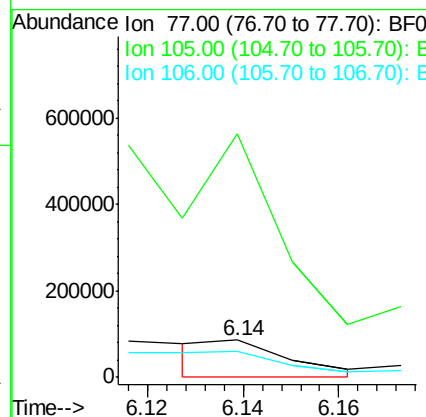
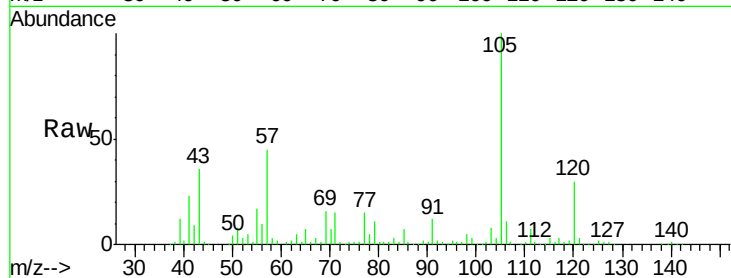
ClientSampleId :

A-PIPE(4)MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	650.5	69.6	109.6#
106	71.0	64.0	104.0

Manual Integrations
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#10

Phenol

Concen: 31.74 ng/mL

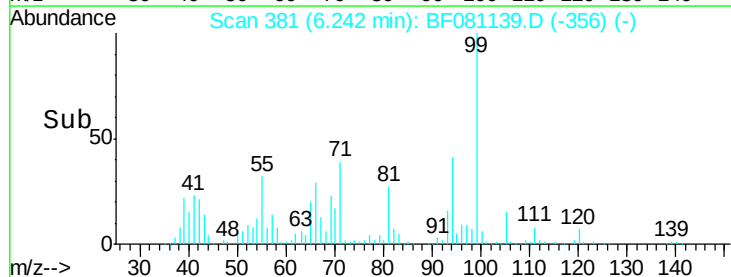
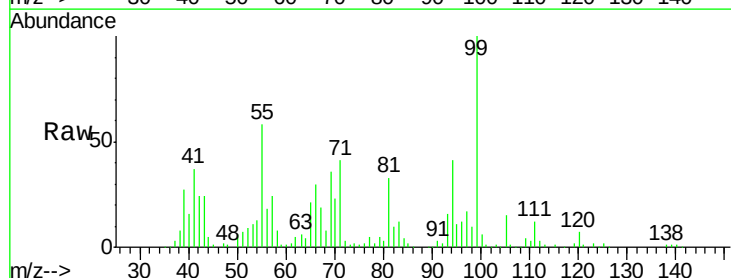
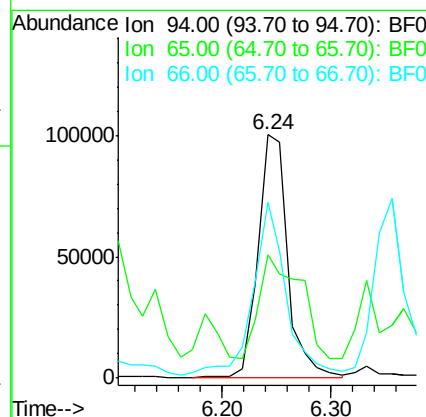
RT: 6.24 min Scan# 381

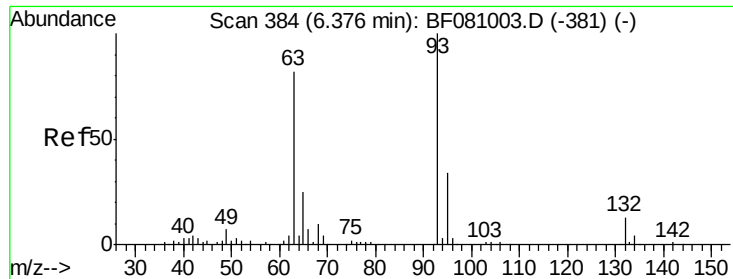
Delta R.T. -0.01 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Lower	Upper
94	100		
65	50.7	28.4	68.4
66	72.1	52.3	92.3





#11

bis(2-Chloroethyl)ether

Concen: 32.32 ng

RT: 6.33 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

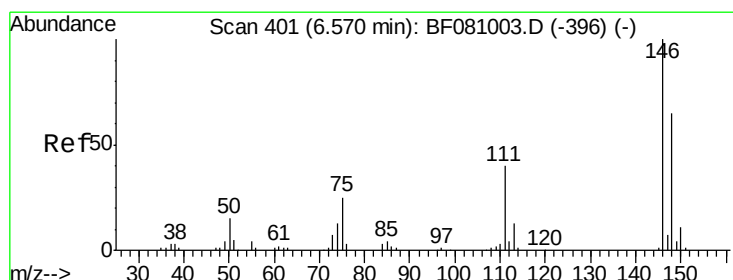
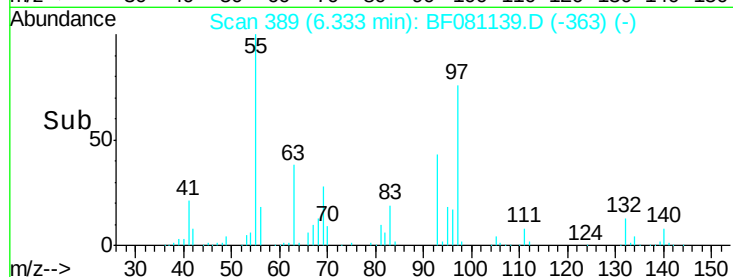
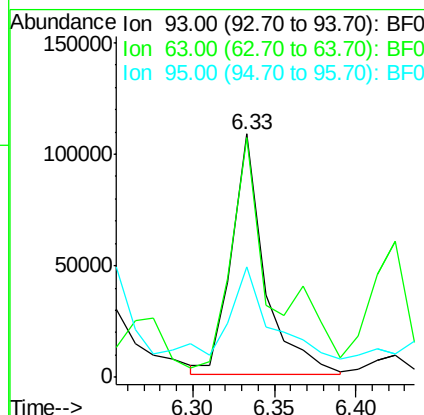
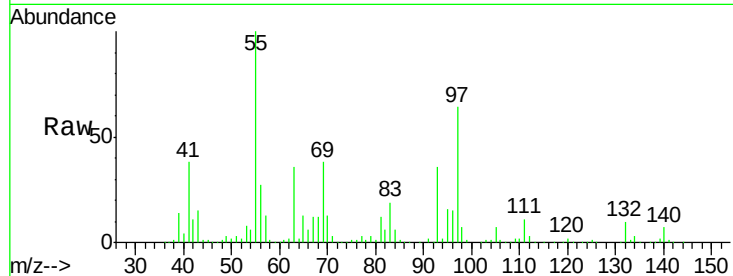
ClientSampleId :

A-PIPE(4)MSD

Tot Ion:	93	Resp:	150709
Ion Ratio	Lower	Upper	
93	100		
63	98.4	69.6	109.6
95	45.5	12.3	52.3

Manual Integrations
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#12

1,3-Dichlorobenzene

Concen: 30.92 ng

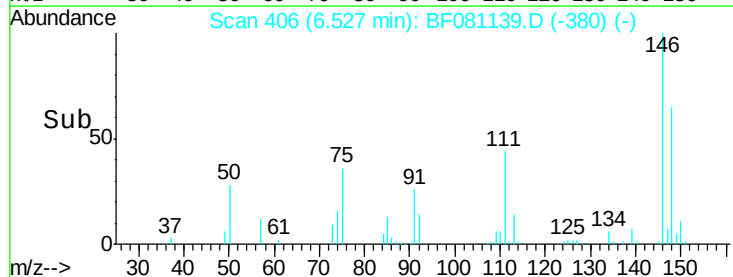
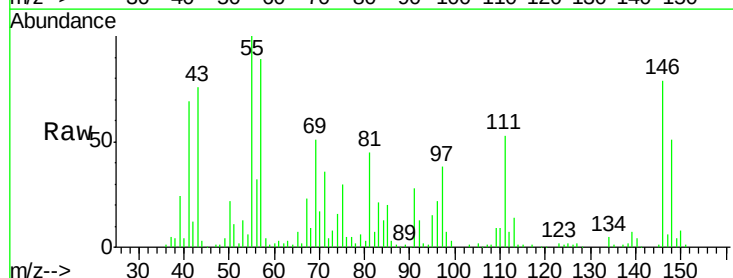
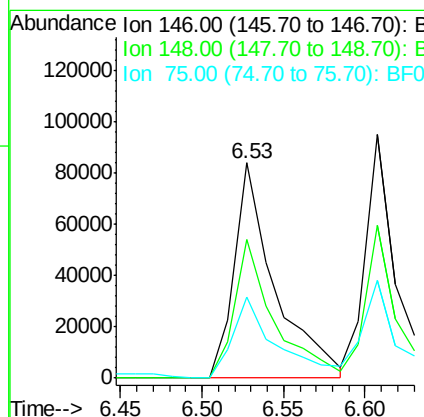
RT: 6.53 min Scan# 406

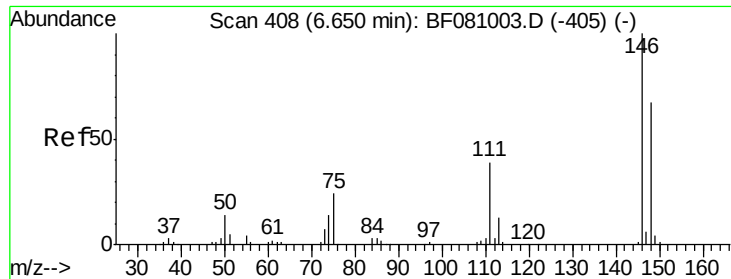
Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion:	146	Resp:	143448
Ion Ratio	Lower	Upper	
146	100		
148	64.7	53.3	79.9
75	37.6	25.0	37.6#





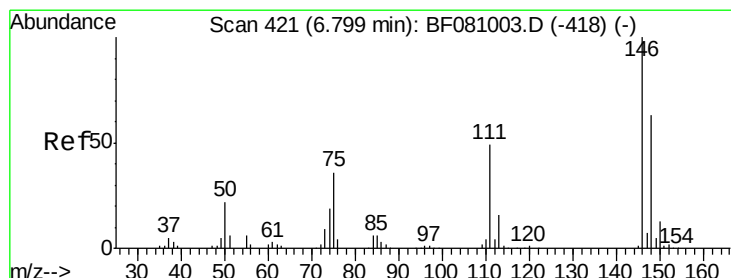
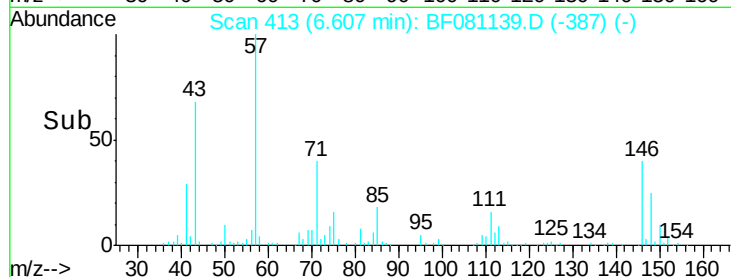
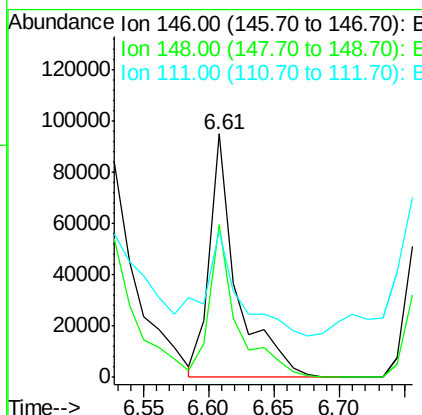
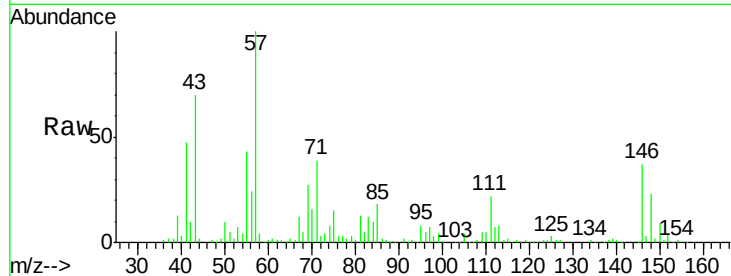
#13
1,4-Dichlorobenzene
Concen: 30.53 ng
RT: 6.61 min Scan# 413
Delta R.T. 0.00 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.9	52.3	78.5
111	60.2	34.4	51.6

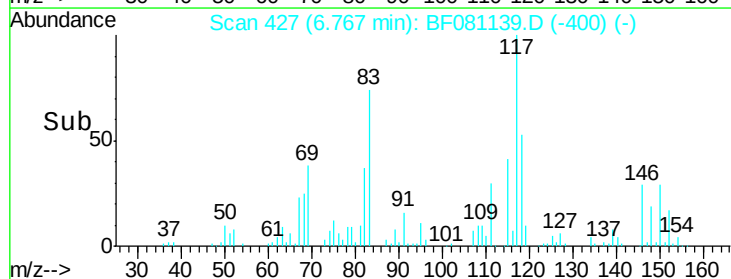
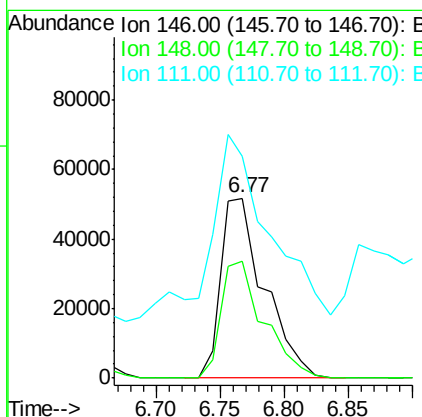
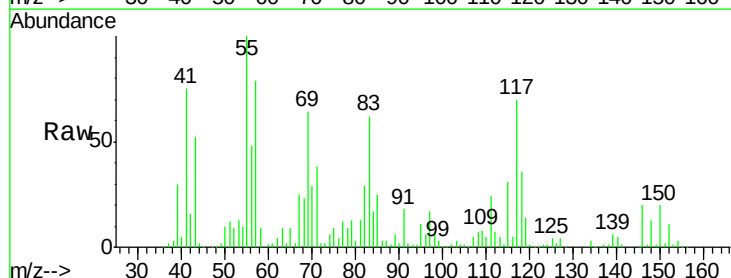
Manual Integrations
APPROVED

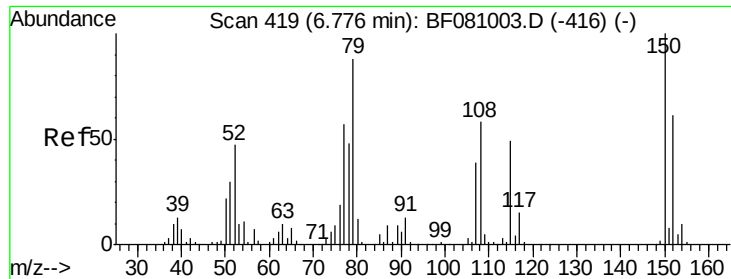
MMDadoda
8/21/2015 2:03:48 PM



#14
1,2-Dichlorobenzene
Concen: 28.52 ng m
RT: 6.77 min Scan# 427
Delta R.T. 0.01 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	48.7	73.1
111	123.3	42.3	63.5





#15

Benzyl Alcohol

Concen: 31.15 ng

RT: 6.74 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

Tot Ion: 79 Resp: 129688

Ion Ratio Lower Upper

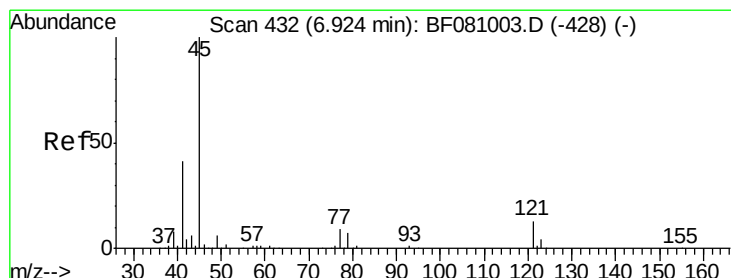
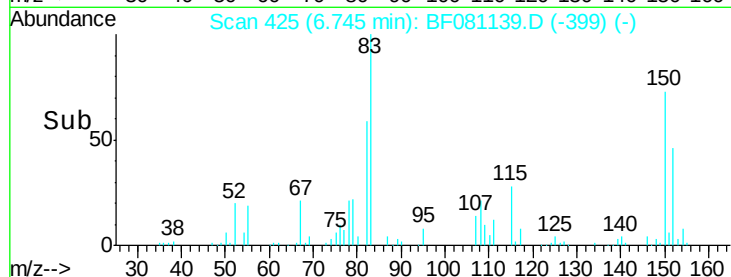
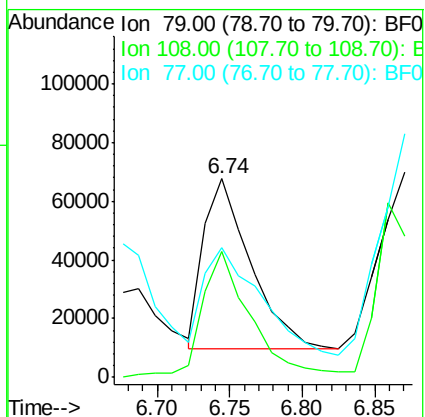
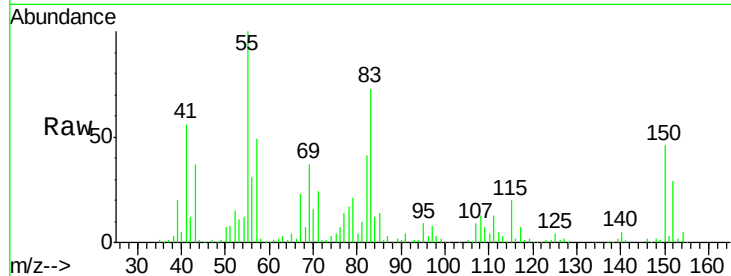
79 100

108 63.1 49.4 74.2

77 65.5 51.4 77.0

Manual Integrations
APPROVED

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 21.78 ng

RT: 6.89 min Scan# 438

Delta R.T. 0.01 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

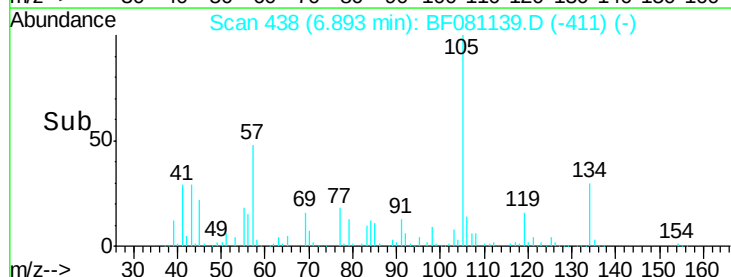
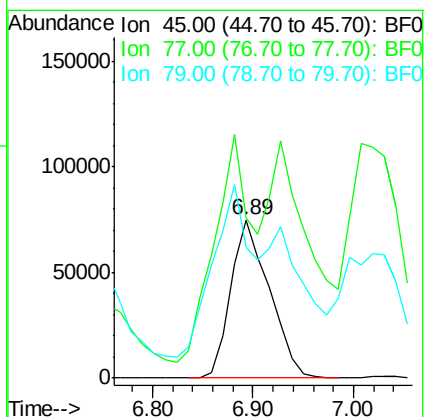
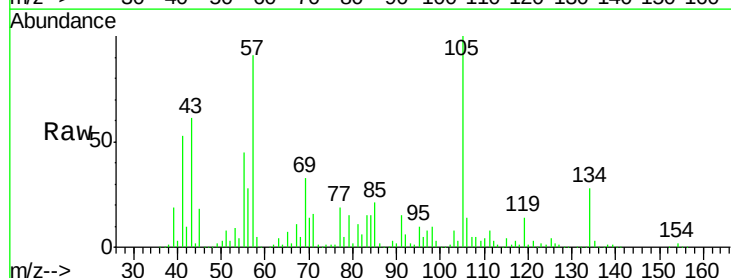
Tgt Ion: 45 Resp: 199548

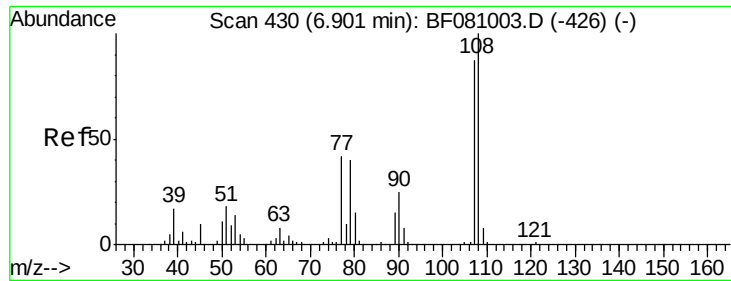
Ion Ratio Lower Upper

45 100

77 101.9 0.0 30.2#

79 83.0 0.0 28.0#





#17

2-Methylphenol

Concen: 34.37 ng

RT: 6.86 min Scan# 435

Delta R.T. 0.00 min

Lab File: BF081139.D

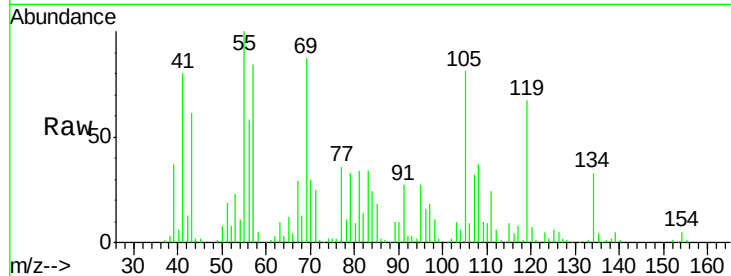
Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD



Tot Ion:107 Resp: 127312

Ion Ratio Lower Upper

107 100

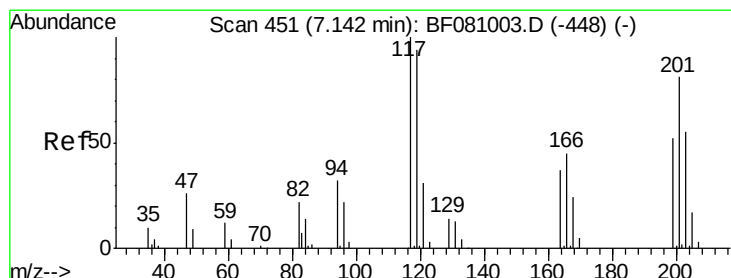
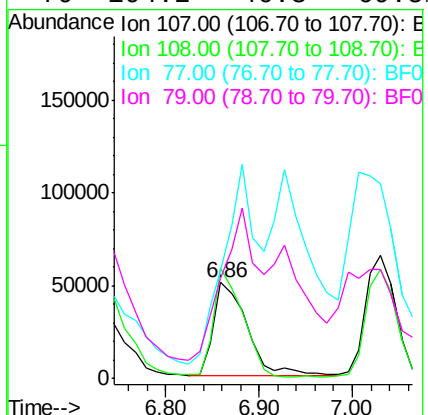
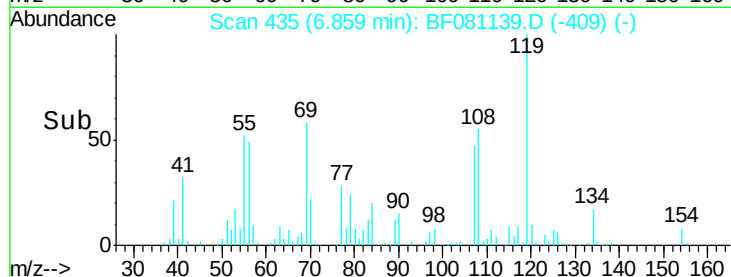
108 115.2 90.4 135.6

77 112.9 46.5 69.7#

79 104.2 46.3 69.5#

Manual Integrations
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#18

Hexachloroethane

Concen: 703.16 ng

RT: 7.18 min Scan# 463

Delta R.T. 0.08 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

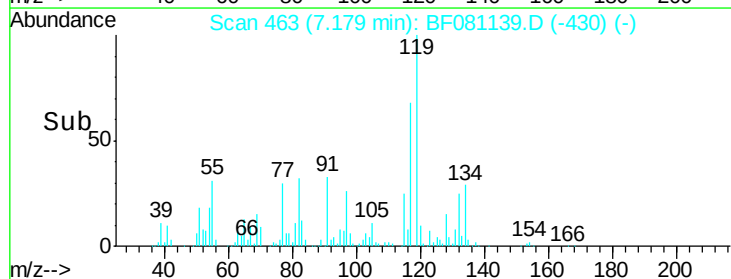
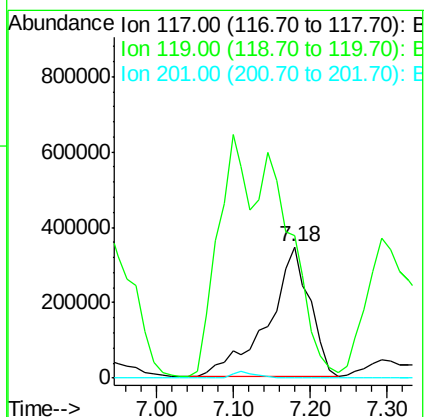
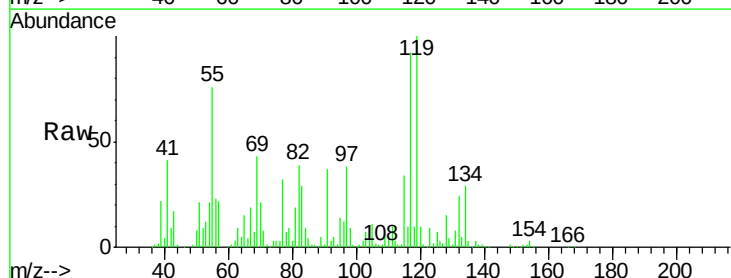
Tgt Ion:117 Resp: 1305004

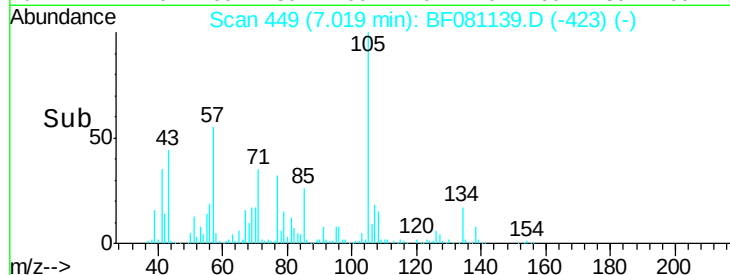
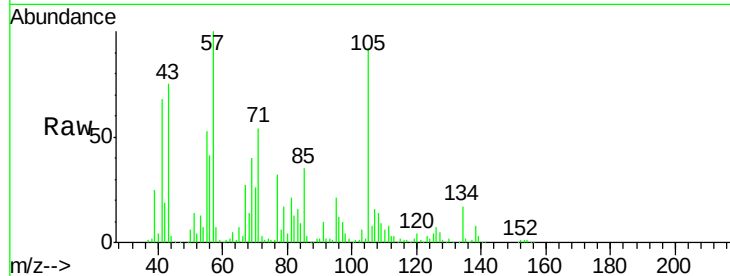
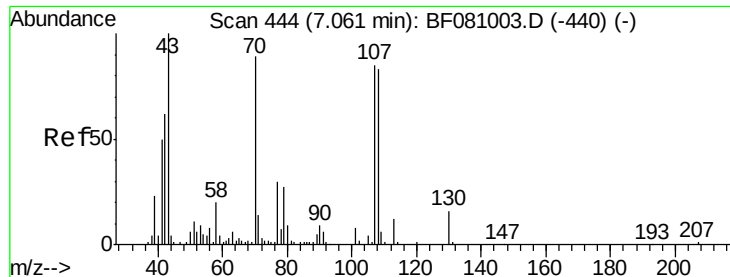
Ion Ratio Lower Upper

117 100

119 108.7 77.9 116.9

201 0.0 61.3 91.9#





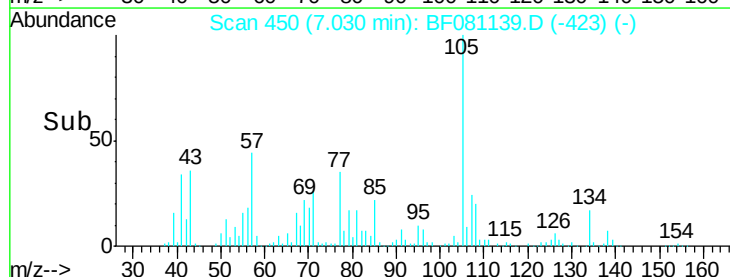
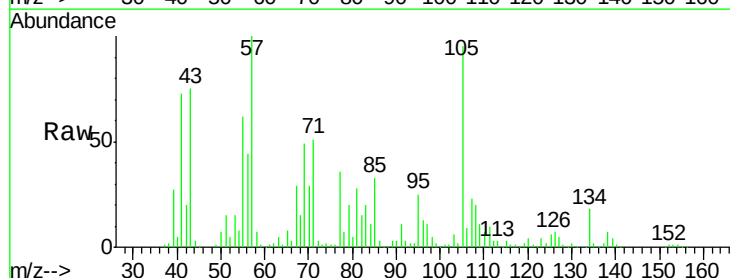
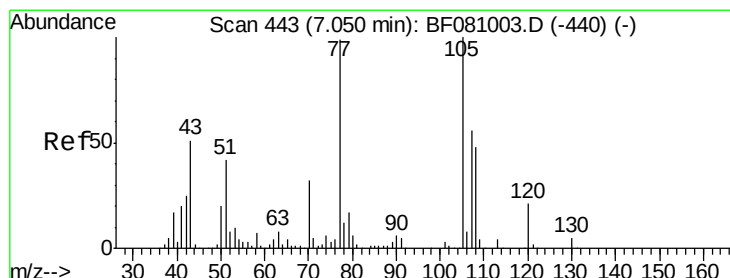
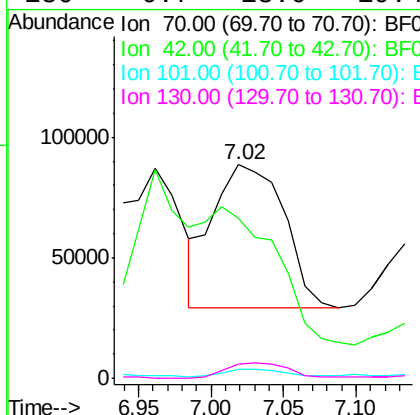
#19
n-Nitroso-di-n-propylamine
Concen: 56.34 ng
RT: 7.02 min Scan# 449
Delta R.T. 0.00 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		200834		
42	74.9	65.0	97.4		
101	4.1	7.4	11.2#		
130	6.7	13.0	19.4#		

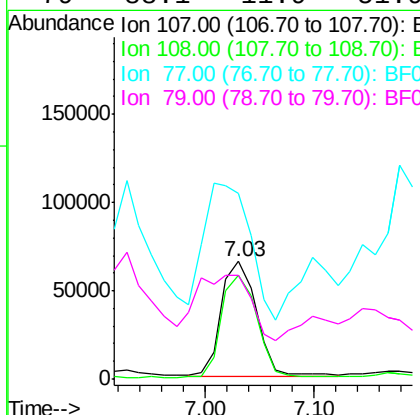
Manual Integrations
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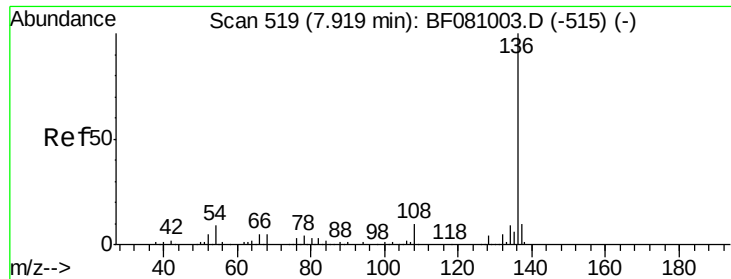
MMDadoda
8/21/2015 2:03:48 PM



#20
3+4-Methylphenols
Concen: 31.24 ng
RT: 7.03 min Scan# 450
Delta R.T. 0.01 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		146863		
108	87.9	66.1	106.1		
77	157.9	139.3	179.3		
79	88.1	11.9	51.9#		





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 526

Delta R.T. 0.02 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

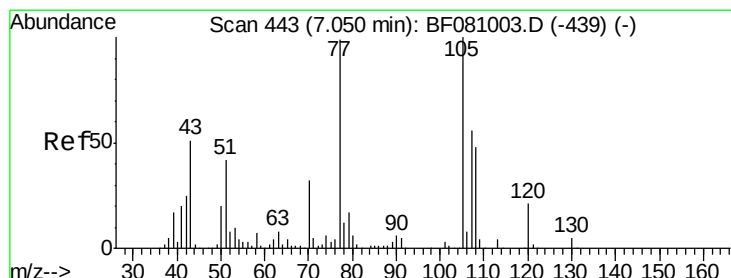
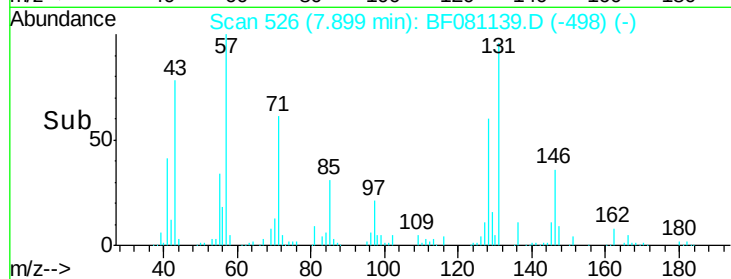
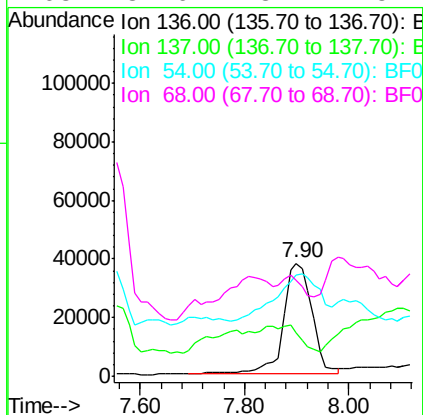
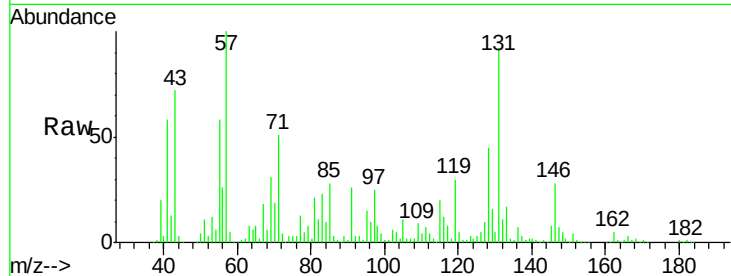
ClientSampleId :

A-PIPE(4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	38.5	8.2	12.2#		
54	88.9	7.7	11.5#		
68	84.6	3.4	5.2#		

Manual Integrations
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#22

Acetophenone

Concen: 270.88 ng

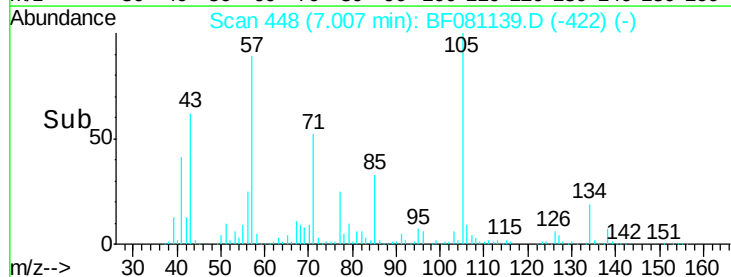
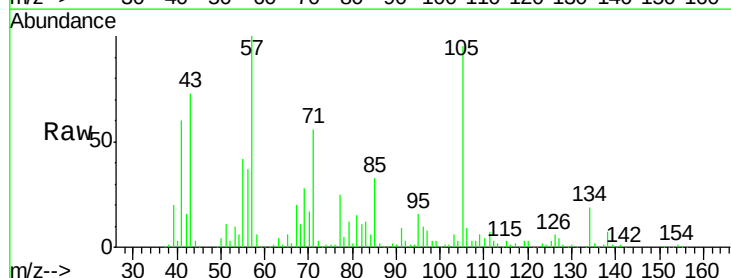
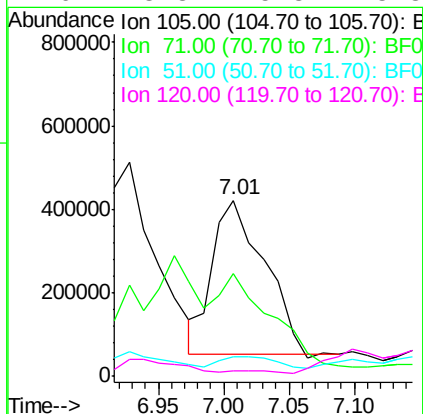
RT: 7.01 min Scan# 448

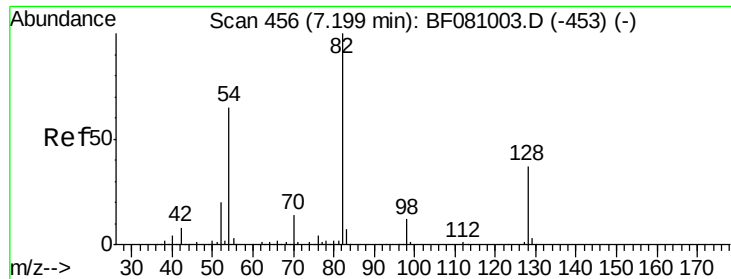
Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100				
71	58.6	3.0	4.6#		
51	11.3	39.8	59.8#		
120	3.3	15.8	23.8#		





#23

Nitrobenzene-d5

Concen: 129.39 ng

RT: 7.17 min Scan# 462

Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

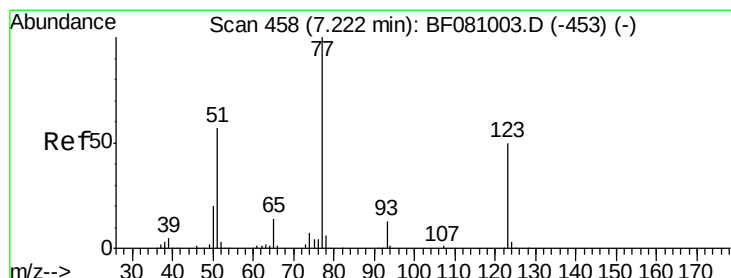
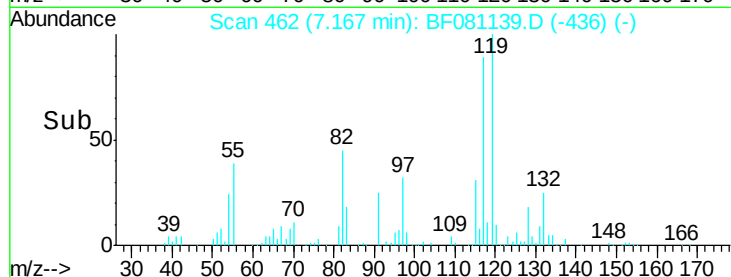
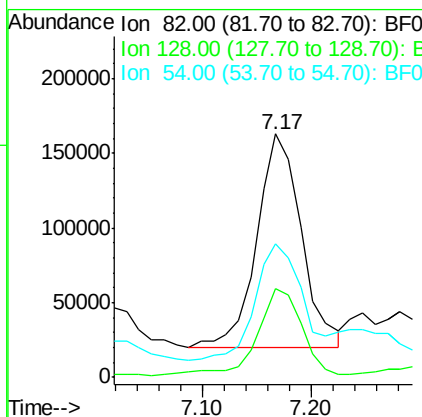
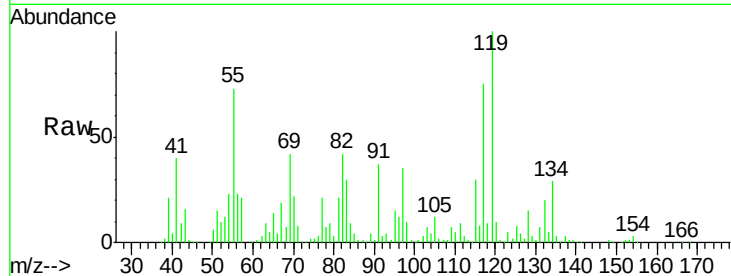
ClientSampleId :

A-PIPE(4)MSD

Tot Ion:	82	Resp:	407665
Ion Ratio	Lower	Upper	
82	100		
128	36.3	28.6	42.8
54	54.8	55.1	82.7#

Manual Integrations
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#24

Nitrobenzene

Concen: 109.50 ng

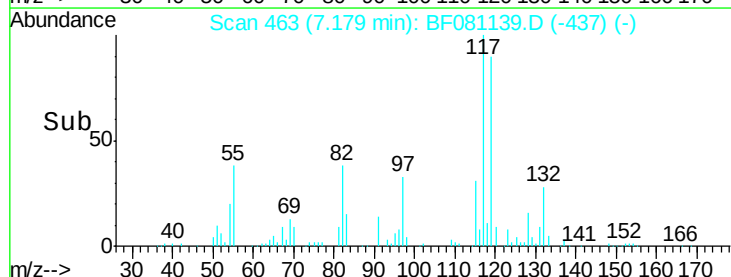
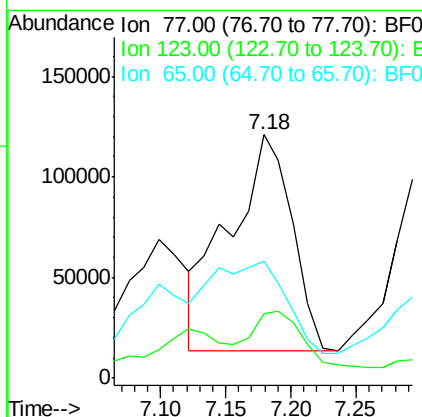
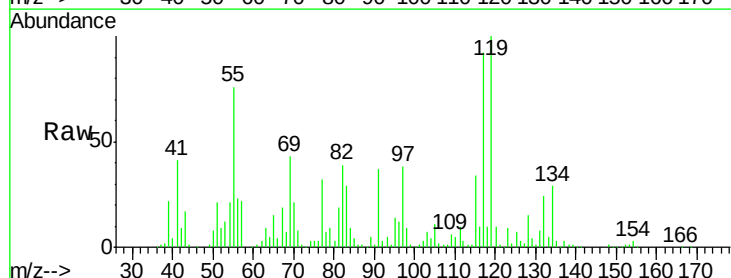
RT: 7.18 min Scan# 463

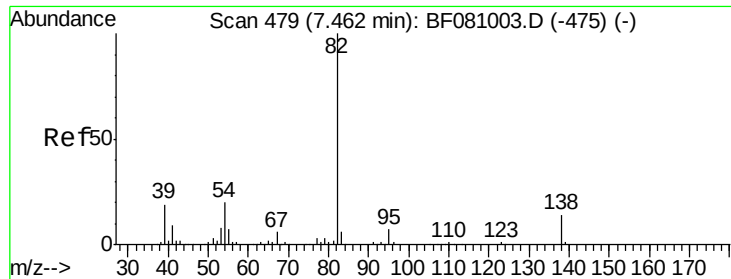
Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion:	77	Resp:	360734
Ion Ratio	Lower	Upper	
77	100		
123	26.6	32.9	49.3#
65	48.2	12.5	18.7#





#25

Isophorone

Concen: 65.86 ng

RT: 7.43 min Scan# 485

Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

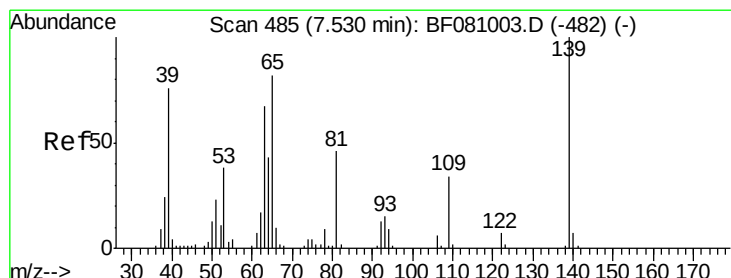
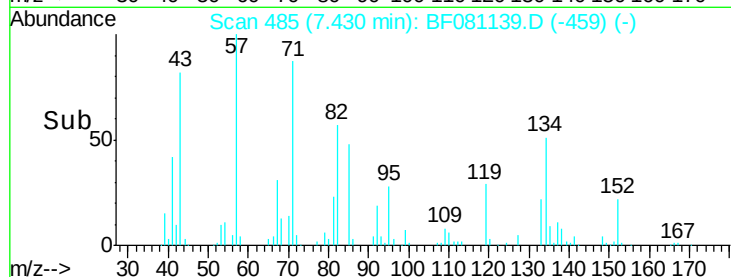
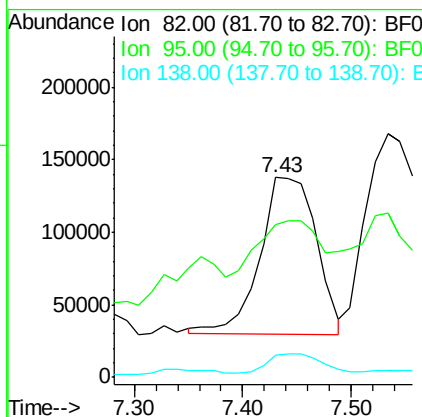
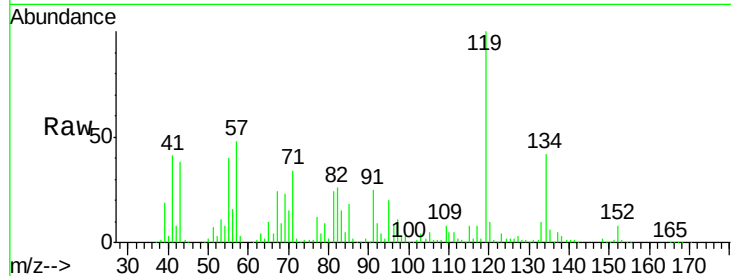
ClientSampleId :

A-PIPE(4)MSD

Tot Ion:	82	Resp:	386988
Ion Ratio	Lower	Upper	
82	100		
95	76.4	6.2	9.2#
138	11.1	10.5	15.7

Manual Integrations
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#26

2-Nitrophenol

Concen: 74.86 ng

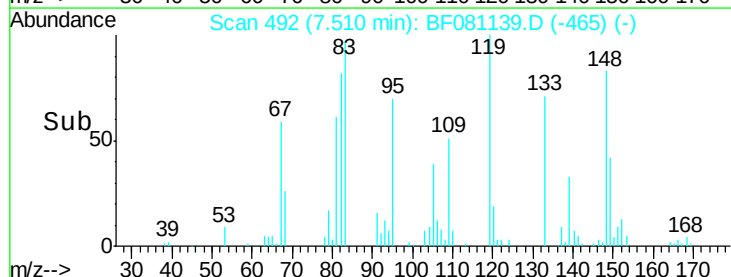
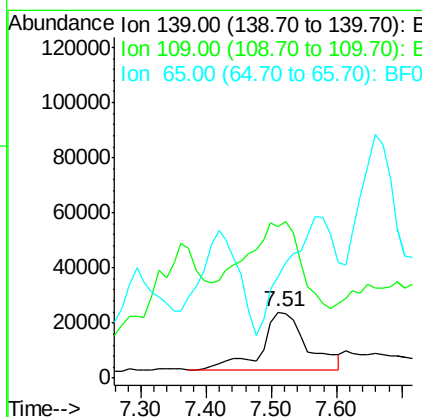
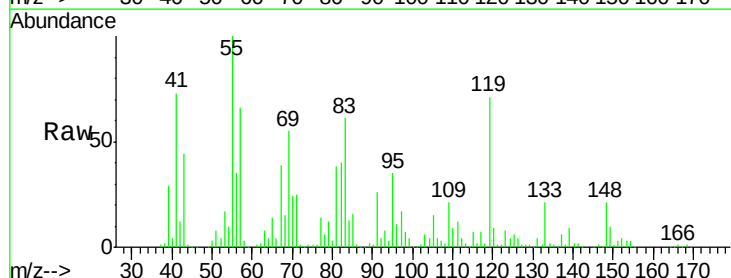
RT: 7.51 min Scan# 492

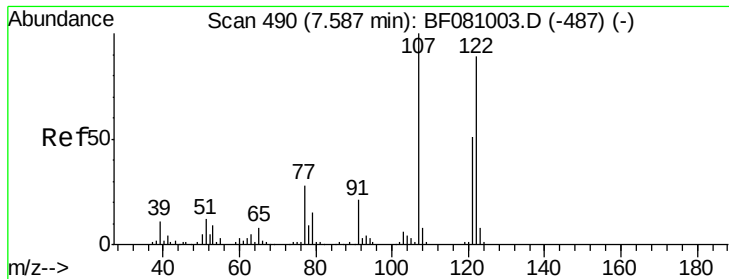
Delta R.T. 0.01 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion:	139	Resp:	102558
Ion Ratio	Lower	Upper	
139	100		
109	228.5	32.1	48.1#
65	153.1	69.9	104.9#





#27

2,4-Dimethylphenol

Concen: 49.80 ng

RT: 7.57 min Scan# 497

Delta R.T. 0.02 min

Lab File: BF081139.D

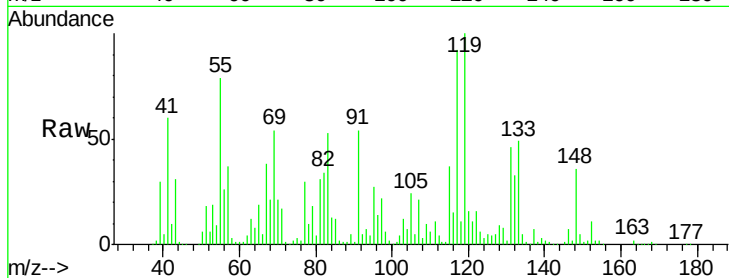
Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD



Tot Ion:122 Resp: 120687

Ion Ratio Lower Upper

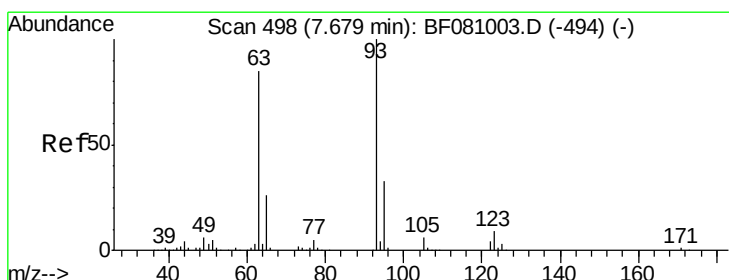
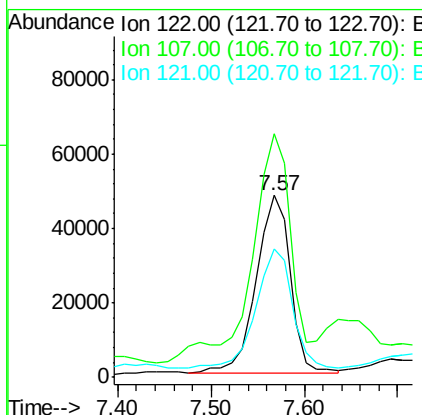
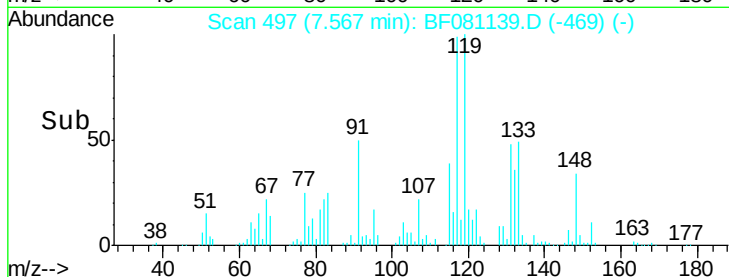
122 100

107 134.1 103.8 155.6

121 70.6 47.0 70.4#

Manual Integrations
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#28

bis(2-Chloroethoxy)methane

Concen: 54.18 ng

RT: 7.67 min Scan# 506

Delta R.T. 0.02 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

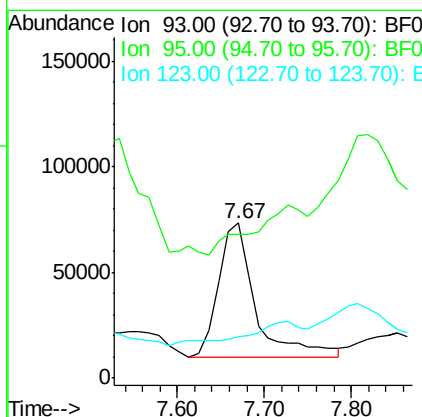
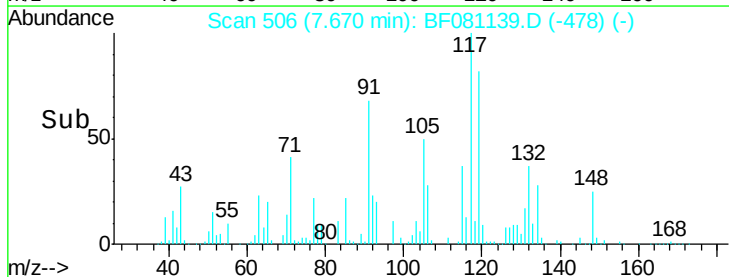
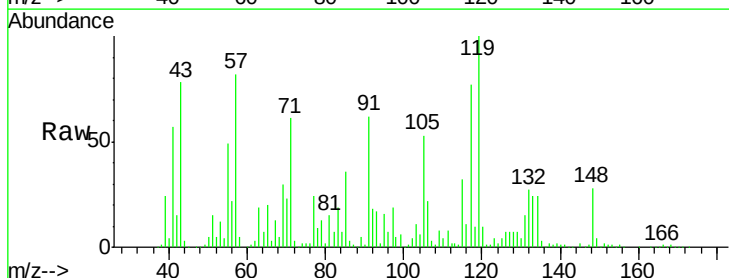
Tgt Ion: 93 Resp: 188052

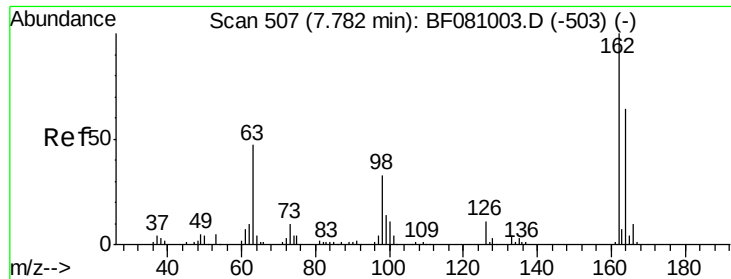
Ion Ratio Lower Upper

93 100

95 92.5 25.8 38.8#

123 26.3 7.4 11.0#





#29

2,4-Dichlorophenol

Concen: 56.87 ng

RT: 7.77 min Scan# 515

Delta R.T. 0.03 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

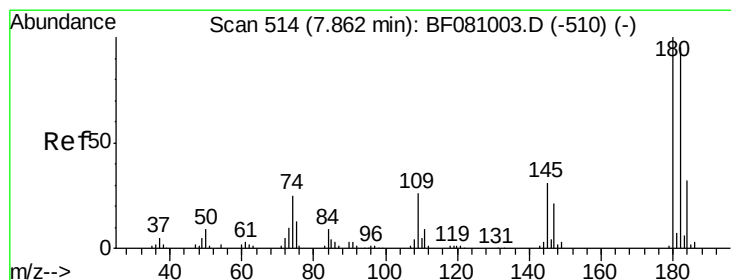
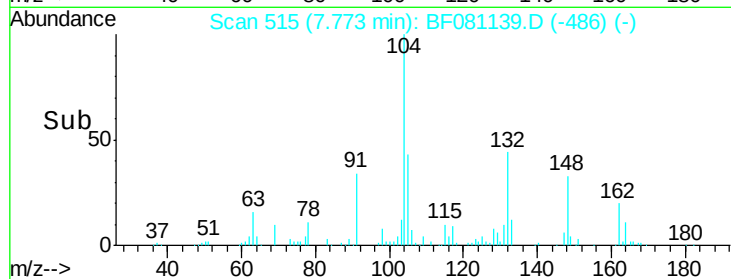
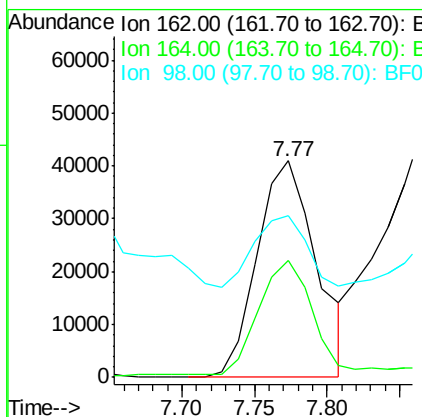
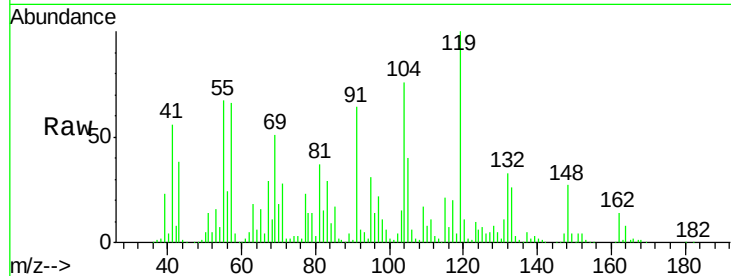
ClientSampleId :

A-PIPE(4)MSD

Tot Ion:	162	Resp:	116035
Ion Ratio	Lower	Upper	
162	100		
164	54.2	43.2	83.2
98	74.5	12.3	52.3#

Manual Integrations
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#30

1,2,4-Trichlorobenzene

Concen: 44.16 ng

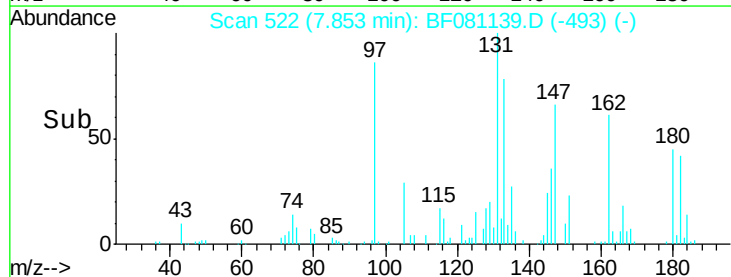
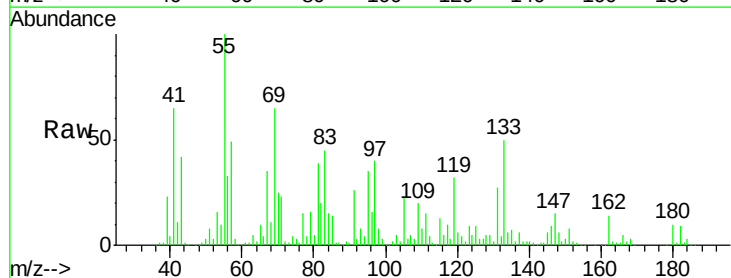
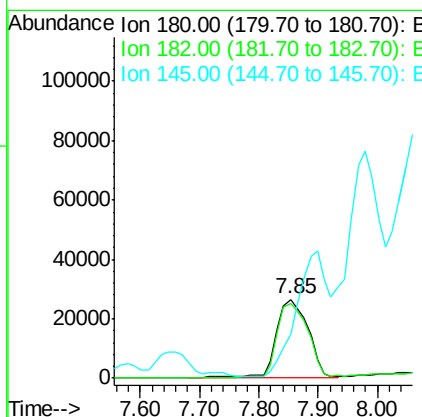
RT: 7.85 min Scan# 522

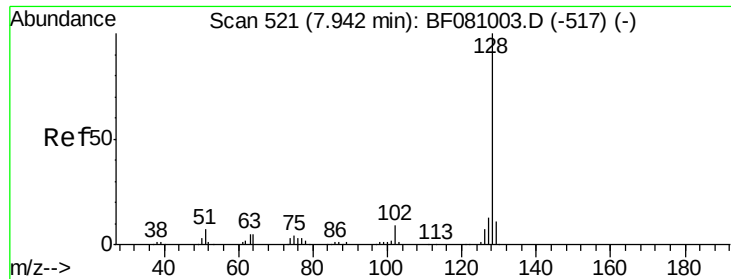
Delta R.T. 0.03 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion:	180	Resp:	100159
Ion Ratio	Lower	Upper	
180	100		
182	94.5	76.4	114.6
145	56.2	25.4	38.2#





#31

Naphthalene

Concen: 258.00 ng

RT: 7.93 min Scan# 529

Delta R.T. 0.03 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

Tot Ion:128 Resp: 2069899

Ion Ratio Lower Upper

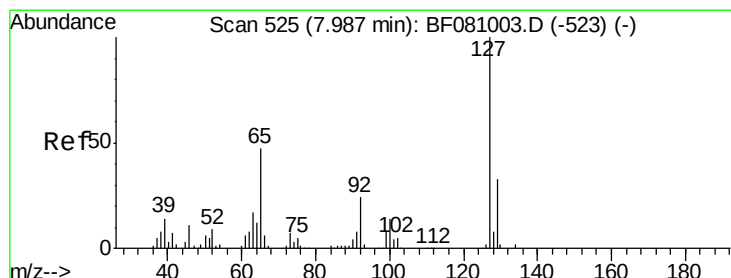
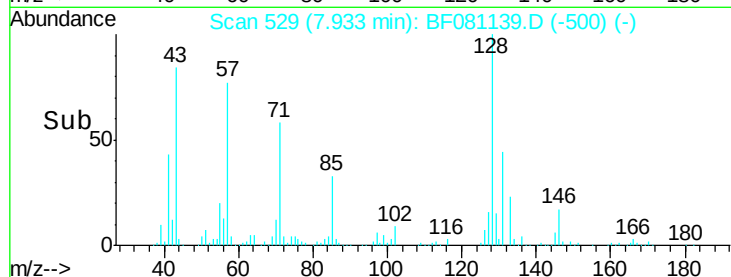
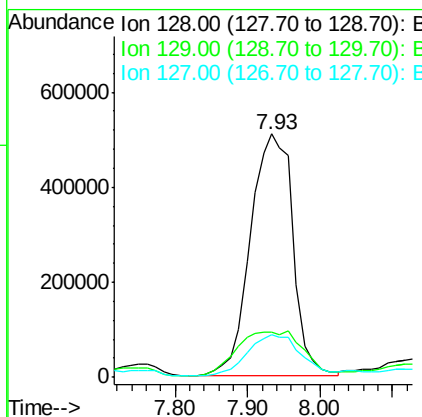
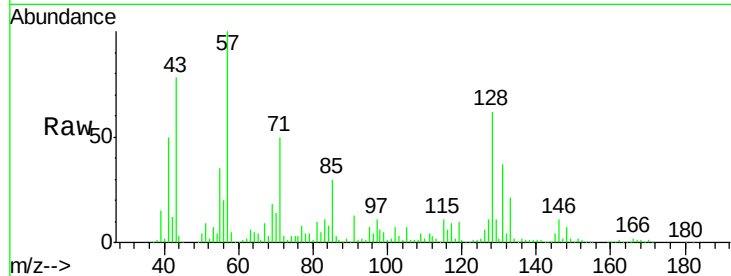
128 100

129 18.4 8.4 12.6#

127 17.5 10.6 16.0#

Manual Integrations
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#33

4-Chloroaniline

Concen: 131.86 ng

RT: 7.93 min Scan# 529

Delta R.T. -0.02 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion:127 Resp: 446367

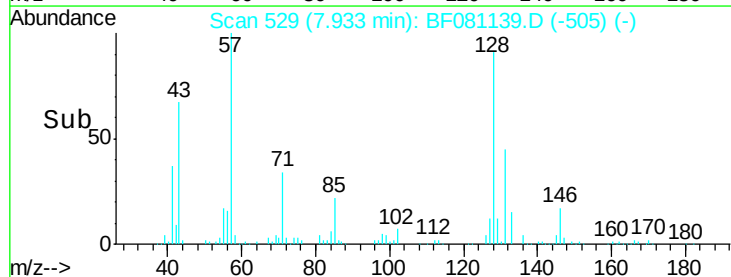
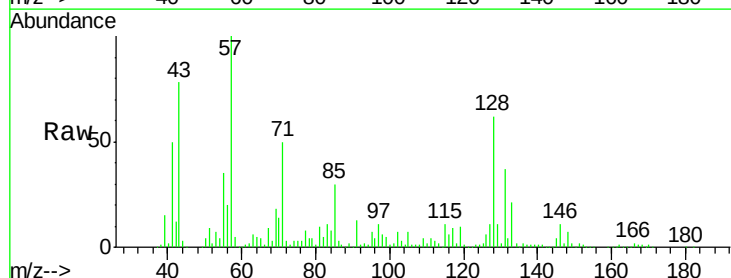
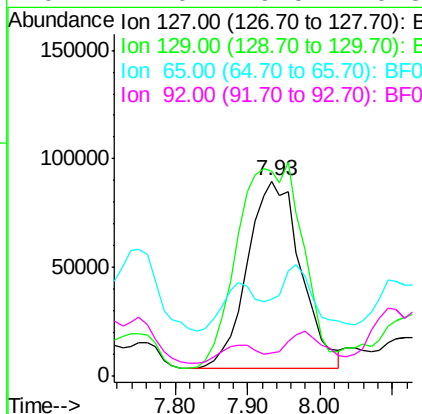
Ion Ratio Lower Upper

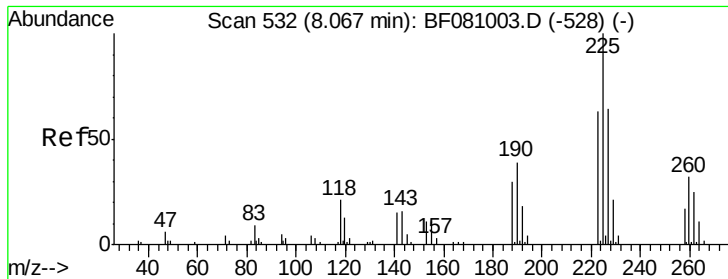
127 100

129 105.2 25.2 37.8#

65 39.2 37.8 56.6

92 12.0 19.5 29.3#





#34

Hexachlorobutadiene

Concen: 42.60 ng

RT: 8.06 min Scan# 540

Delta R.T. 0.03 min

Lab File: BF081139.D

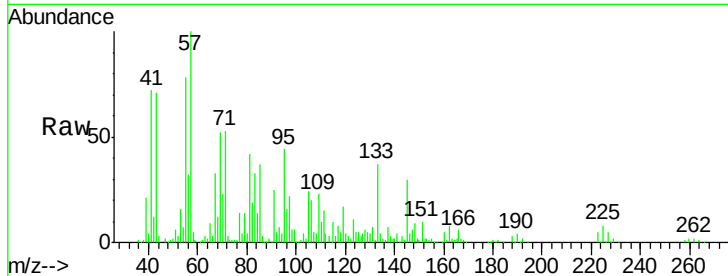
Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

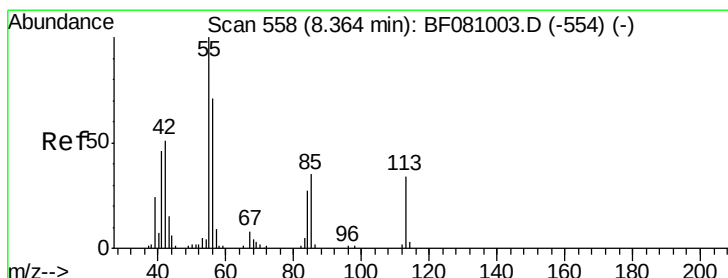
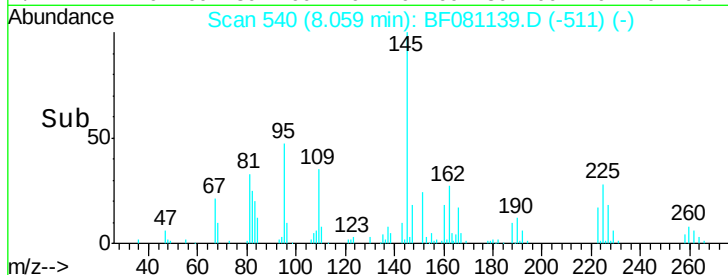
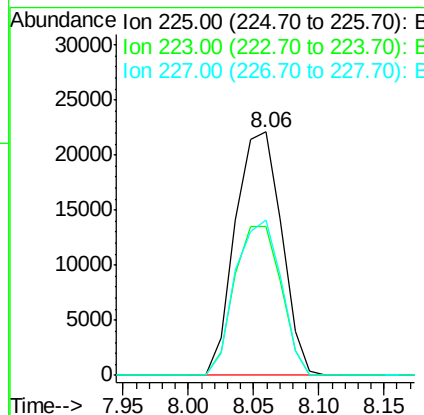
A-PIPE(4)MSD



Tot Ion:	225	Resp:	54630
Ion Ratio	Lower	Upper	
225	100		
223	61.2	52.6	79.0
227	63.8	51.1	76.7

Manual Integrations
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#35

Caprolactam

Concen: 370.43 ng

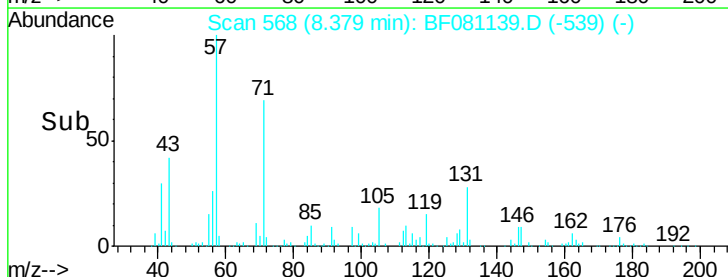
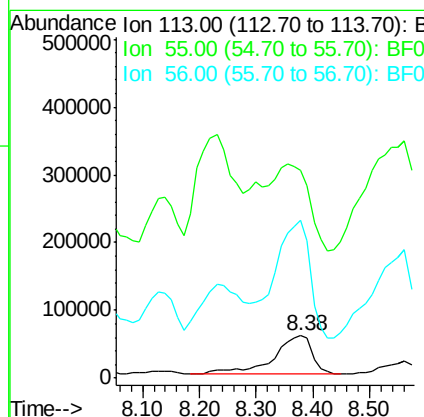
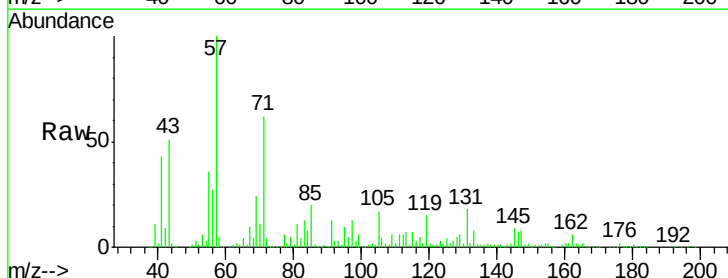
RT: 8.38 min Scan# 568

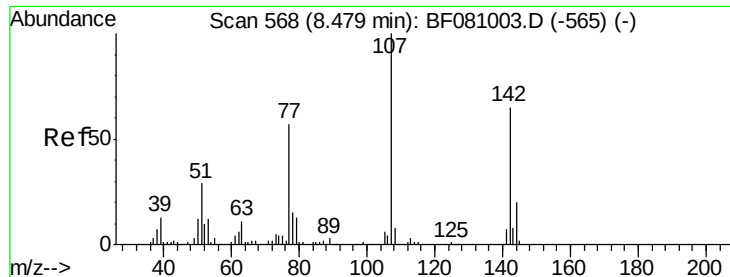
Delta R.T. 0.03 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion:	113	Resp:	264179
Ion Ratio	Lower	Upper	
113	100		
55	488.9	280.4	320.4#
56	371.2	205.9	245.9#





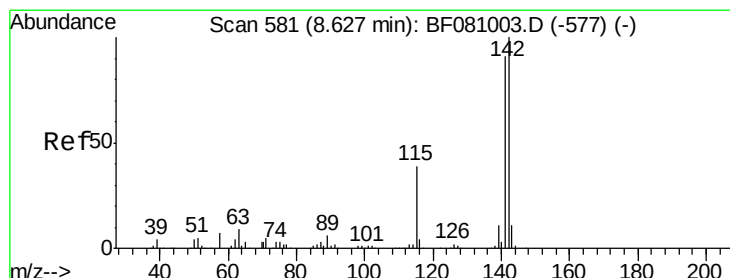
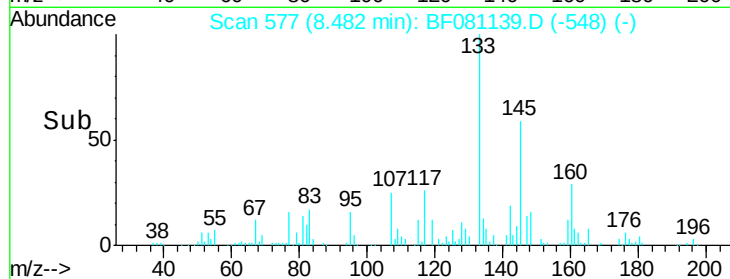
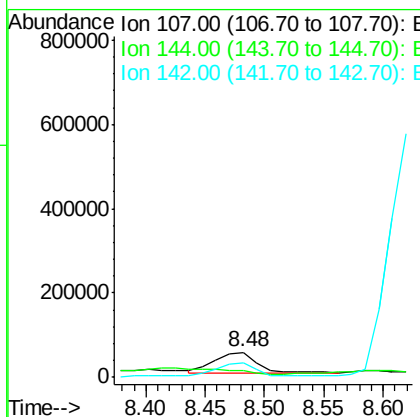
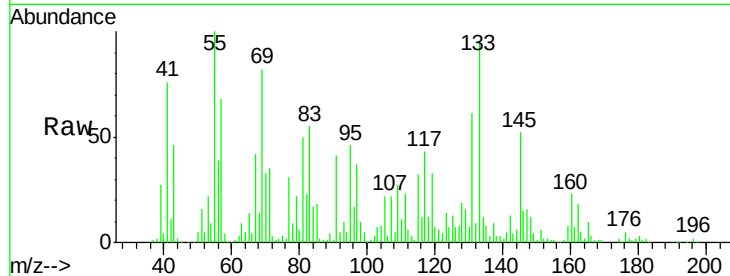
#36
4-Chloro-3-methylphenol
Concen: 46.81 ng
RT: 8.48 min Scan# 577
Delta R.T. 0.03 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	113825		
144	28.0	17.2	25.8#	
142	58.4	54.9	82.3	

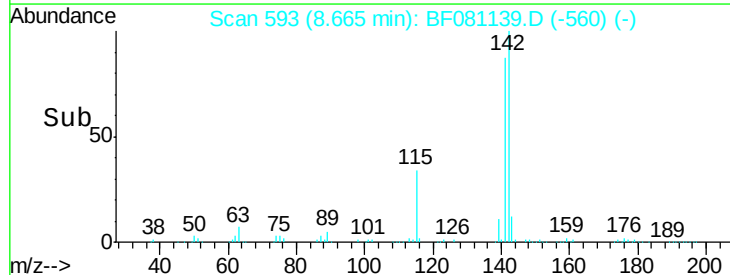
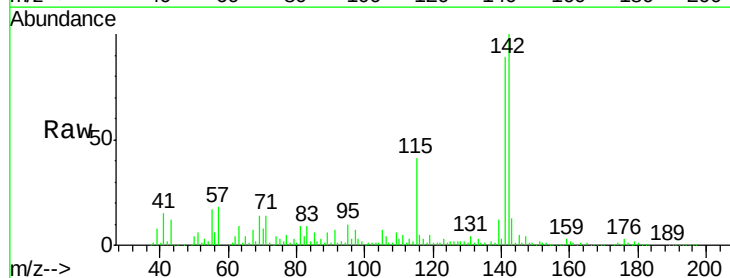
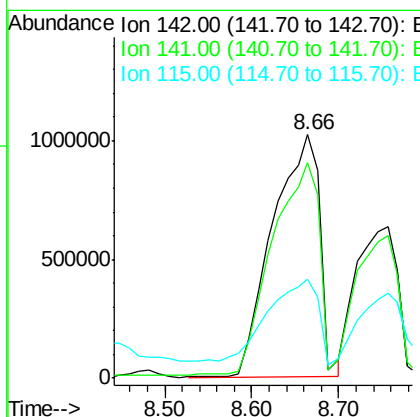
Manual Integrations
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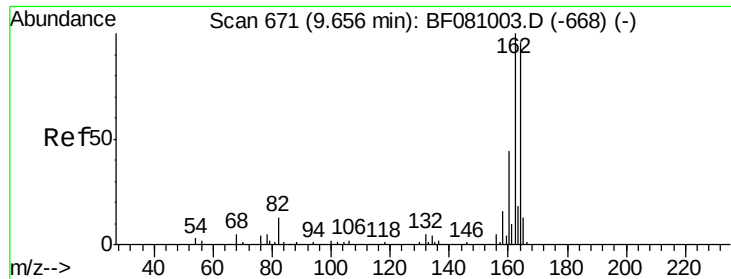
MMDadoda
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#37
2-Methylnaphthalene
Concen: 757.19 ng
RT: 8.66 min Scan# 593
Delta R.T. 0.08 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	3837346		
141	88.6	71.4	107.2	
115	40.6	33.4	50.0	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.69 min Scan# 683

Delta R.T. 0.07 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

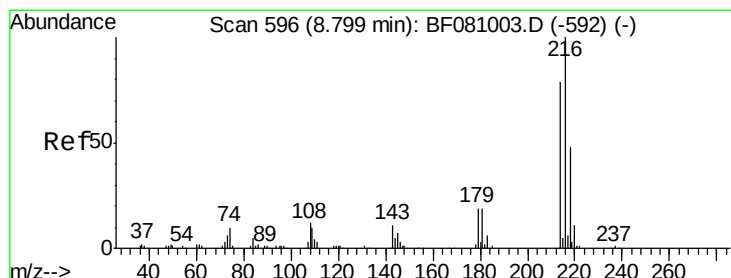
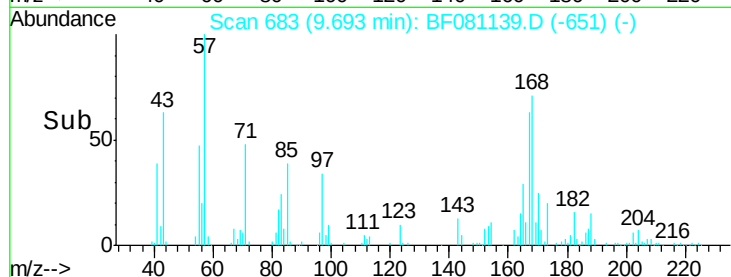
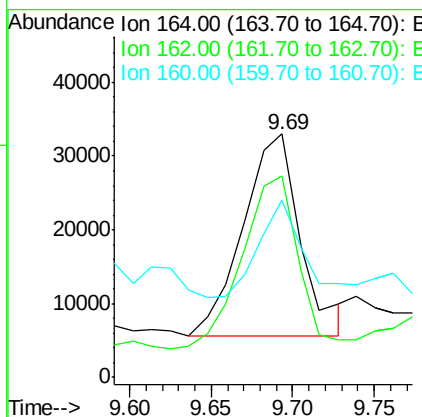
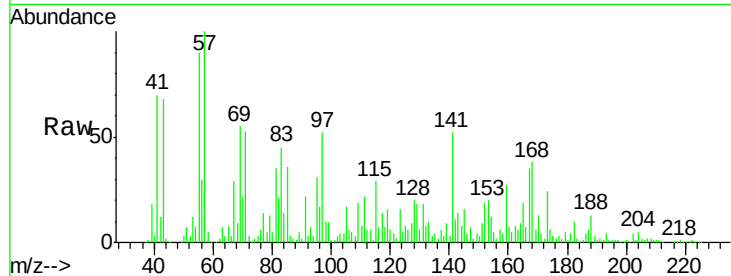
ClientSampleId :

A-PIPE(4)MSD

Tot Ion:	164	Resp:	66961
Ion Ratio	Lower	Upper	
164	100		
162	82.5	83.8	125.8#
160	72.6	39.8	59.8#

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#39

1,2,4,5-Tetrachlorobenzene

Concen: 31.36 ng

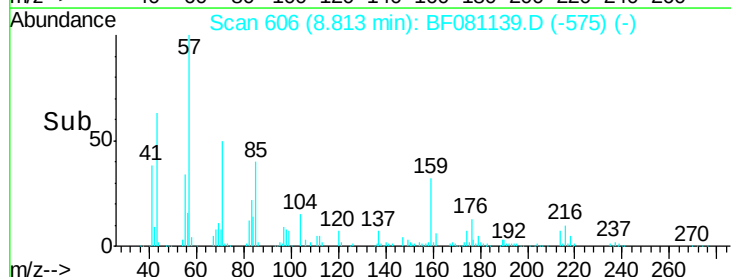
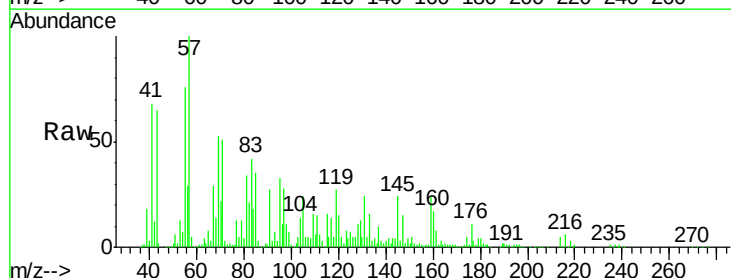
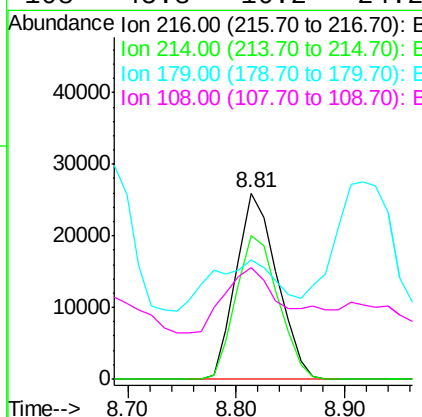
RT: 8.81 min Scan# 606

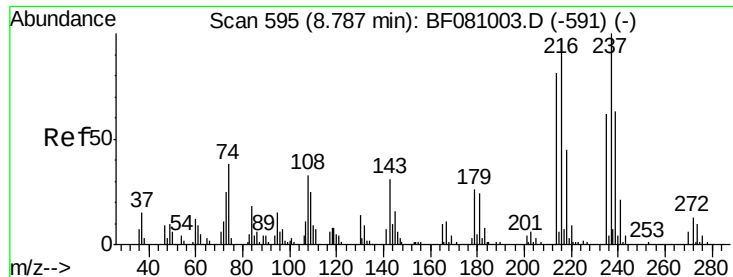
Delta R.T. 0.06 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion:	216	Resp:	67742
Ion Ratio	Lower	Upper	
216	100		
214	80.0	63.8	95.8
179	51.1	17.8	26.8#
108	45.8	16.2	24.2#





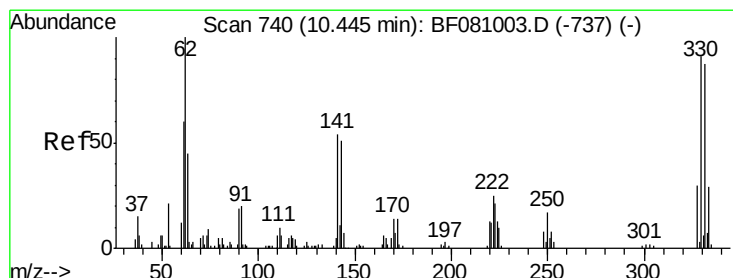
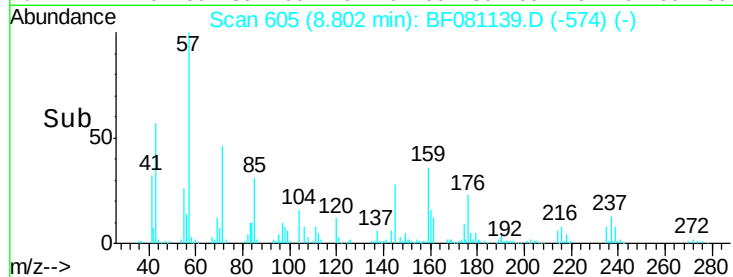
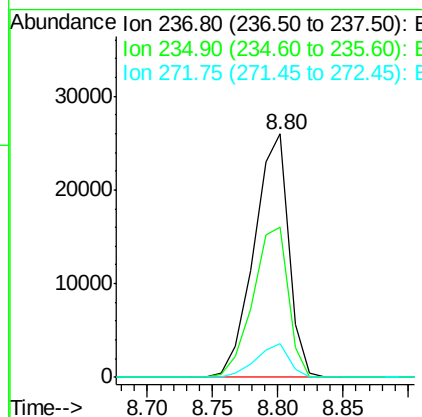
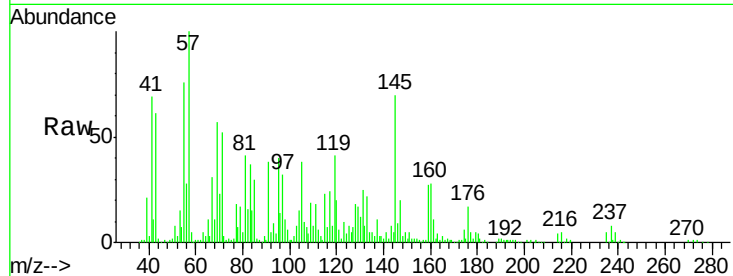
#40
Hexachlorocyclopentadiene
Concen: 43.08 ng
RT: 8.80 min Scan# 605
Delta R.T. 0.06 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

Tot Ion:	237	Resp:	48178
Ion Ratio	Lower	Upper	
237	100		
235	61.8	43.6	83.6
272	14.1	0.0	32.2

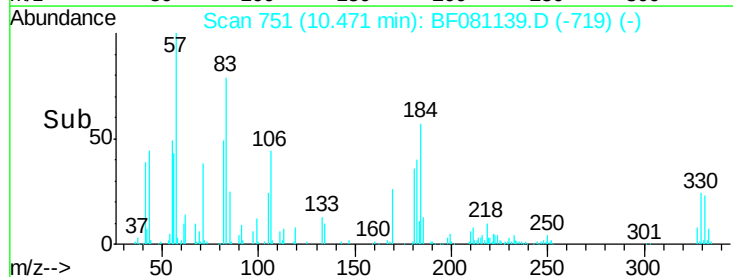
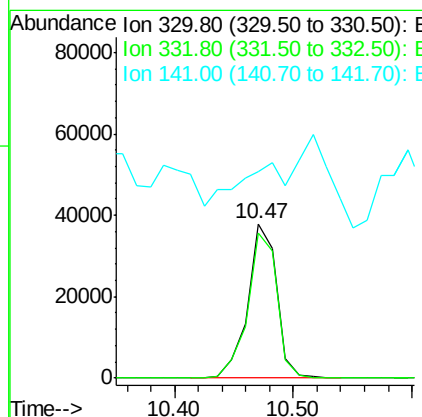
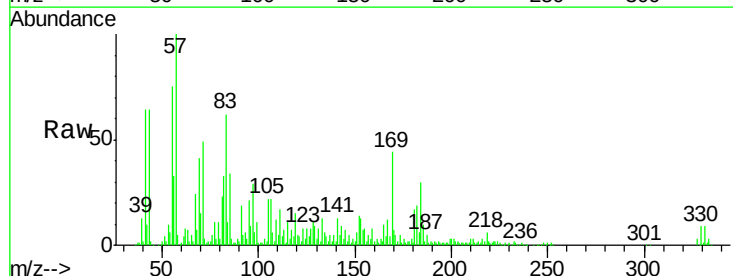
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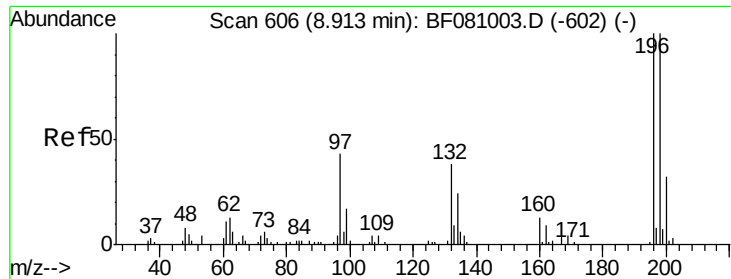
MMDadoda
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#41
2,4,6-Tribromophenol
Concen: 111.04 ng
RT: 10.47 min Scan# 751
Delta R.T. 0.07 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion:	330	Resp:	64455
Ion Ratio	Lower	Upper	
330	100		
332	95.6	77.3	115.9
141	0.0	44.9	67.3#





#42

2,4,6-Trichlorophenol

Concen: 58.61 ng

RT: 8.93 min Scan# 616

Delta R.T. 0.06 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

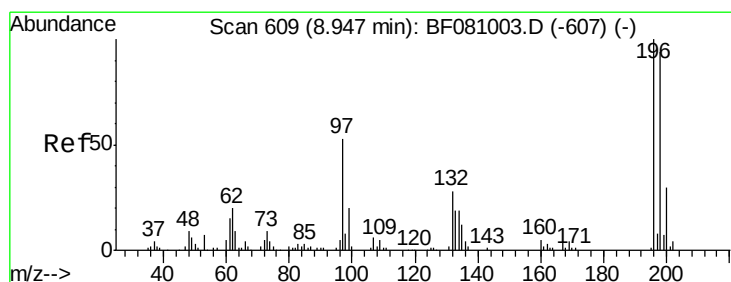
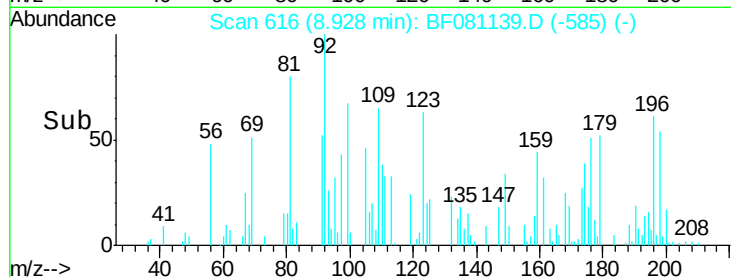
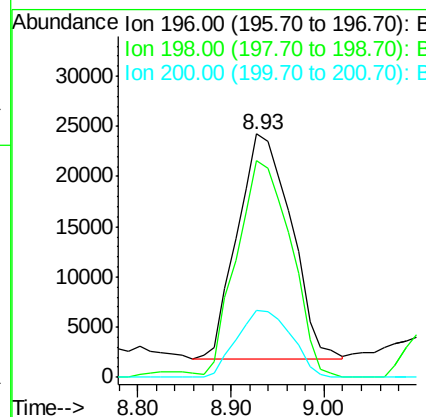
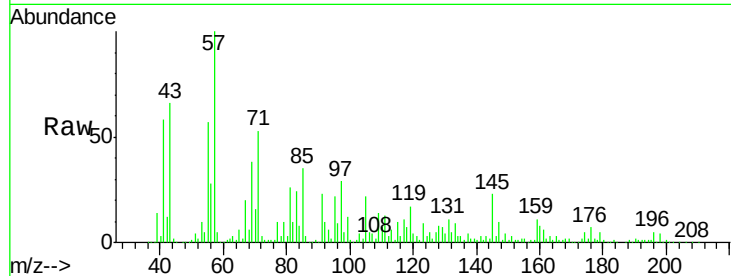
ClientSampleId :

A-PIPE(4)MSD

Tot Ion:	196	Resp:	89457
Ion Ratio	Lower	Upper	
196	100		
198	89.1	74.6	111.8
200	27.5	22.7	34.1

Manual Integrations
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#43

2,4,5-Trichlorophenol

Concen: 58.64 ng

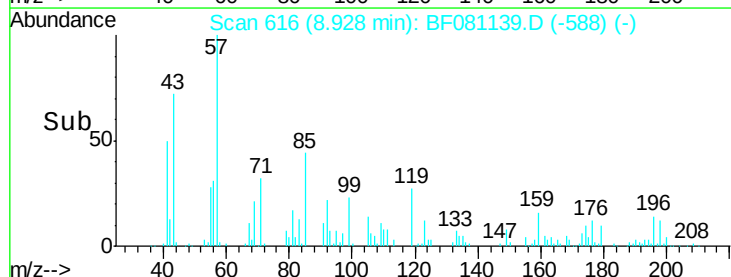
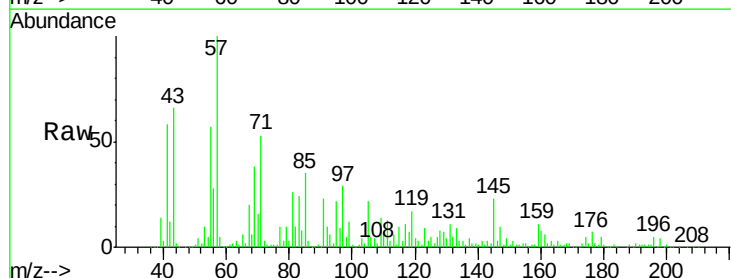
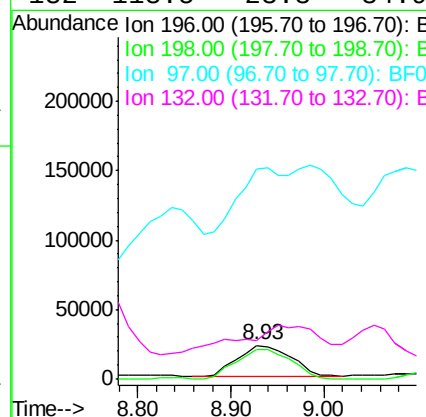
RT: 8.93 min Scan# 616

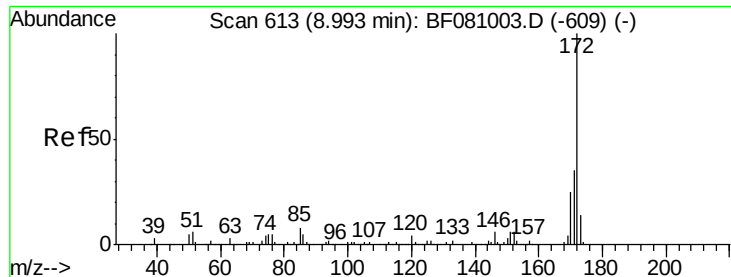
Delta R.T. 0.02 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion:	196	Resp:	89457
Ion Ratio	Lower	Upper	
196	100		
198	89.1	78.3	117.5
97	623.5	42.7	64.1#
132	113.5	23.3	34.9#





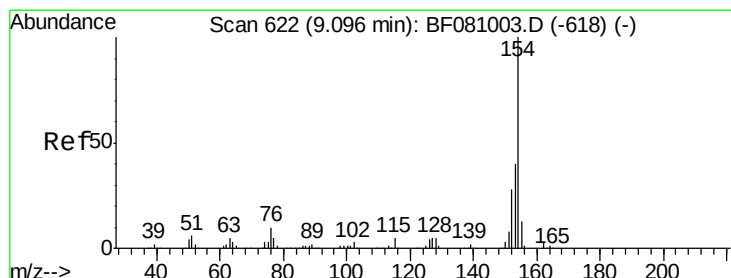
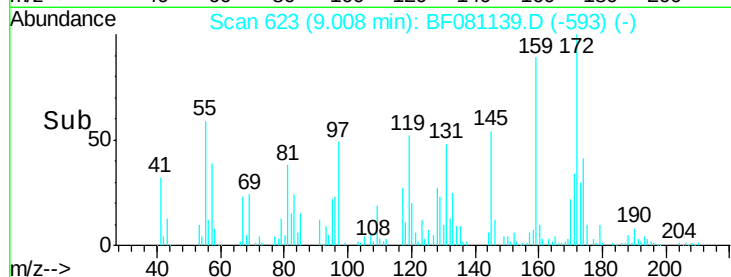
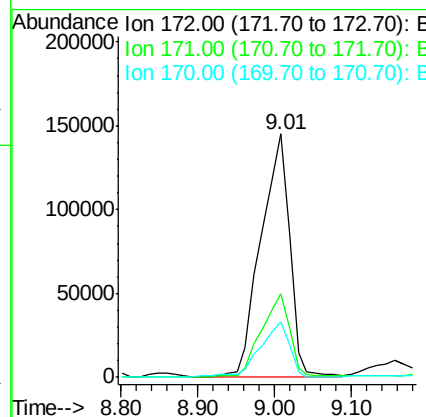
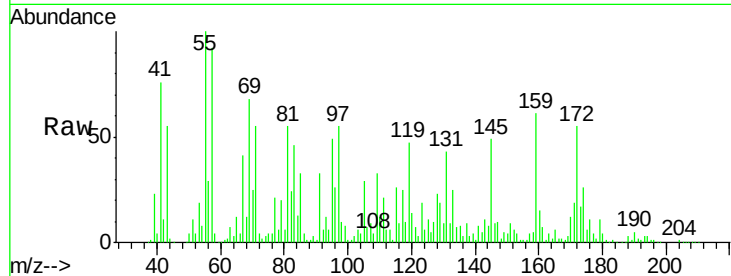
#44
2-Fluorobiphenyl
Concen: 72.44 ng
RT: 9.01 min Scan# 623
Delta R.T. 0.05 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
172	100	370213		
171	34.3	28.9	43.3	
170	22.7	19.4	29.2	

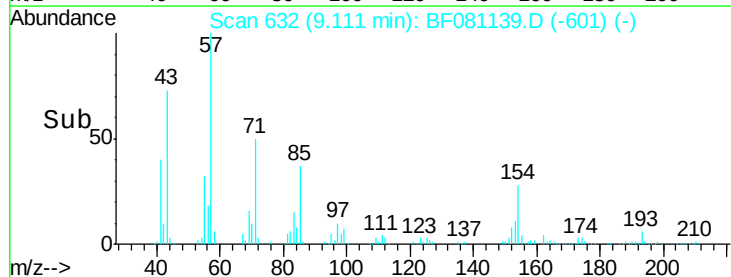
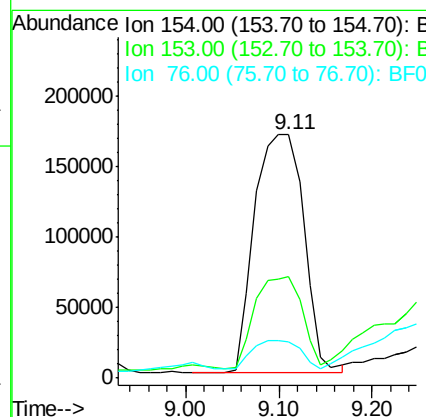
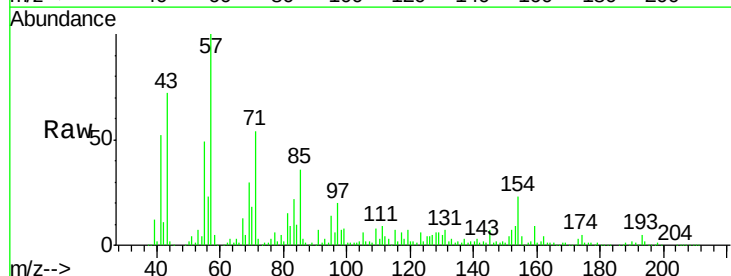
Manual Integrations
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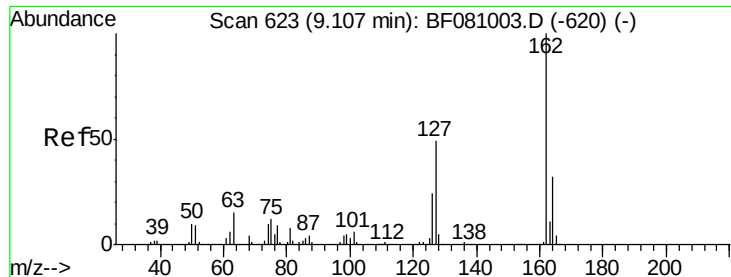
MMDadoda
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#45
1,1'-Biphenyl
Concen: 104.82 ng
RT: 9.11 min Scan# 632
Delta R.T. 0.06 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	618243		
153	41.5	19.5	59.5	
76	15.0	0.0	29.3	





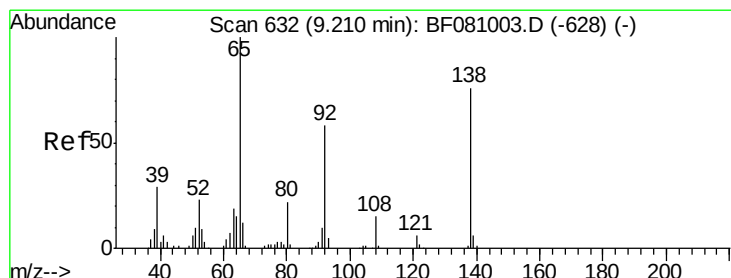
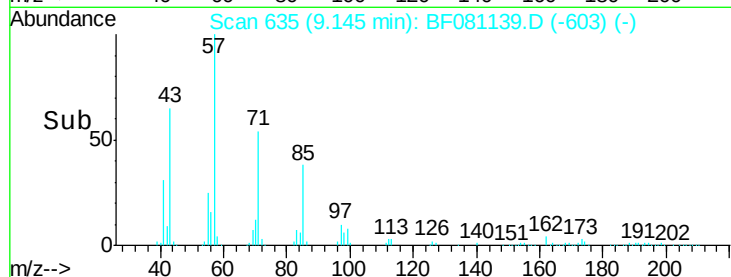
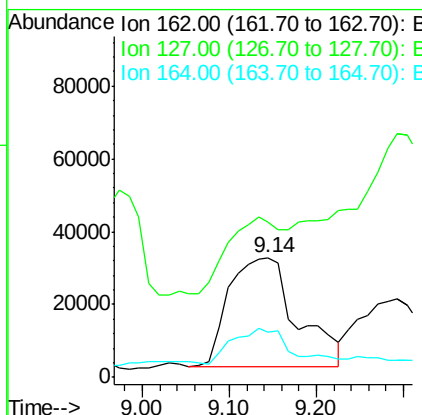
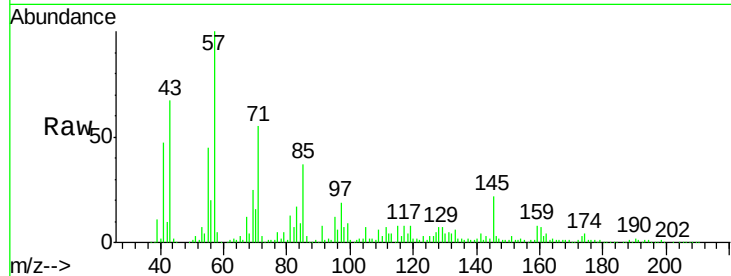
#46
 2-Chloronaphthalene
 Concen: 34.46 ng
 RT: 9.14 min Scan# 635
 Delta R.T. 0.07 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

Instrument :
 BNA_F
 ClientSampleId :
 A-PIPE(4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	163305		
127	130.1	31.3	46.9#	
164	37.4	26.3	39.5	

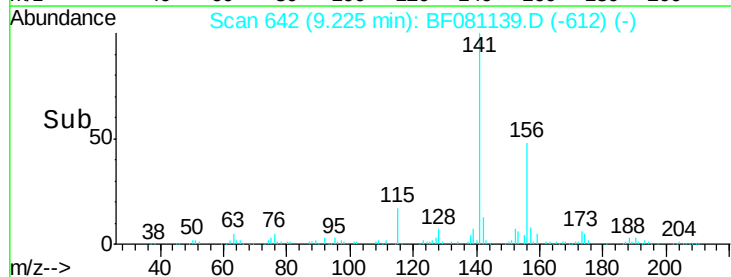
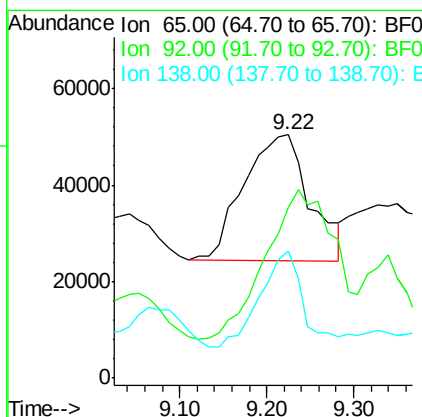
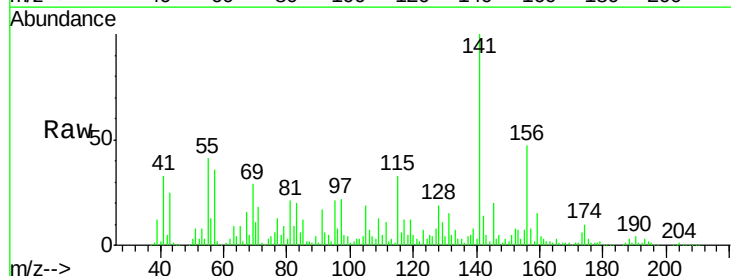
Manual Integrations
 APPROVED

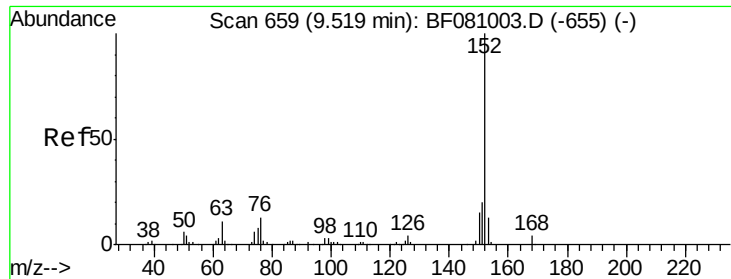
MMDadoda
 8/21/2015 2:03:48 PM



#47
 2-Nitroaniline
 Concen: 70.95 ng
 RT: 9.22 min Scan# 642
 Delta R.T. 0.05 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	137577		
92	70.2	45.6	68.4#	
138	52.2	57.9	86.9#	





#48

Acenaphthylene

Concen: 38.53 ng

RT: 9.56 min Scan# 671

Delta R.T. 0.07 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

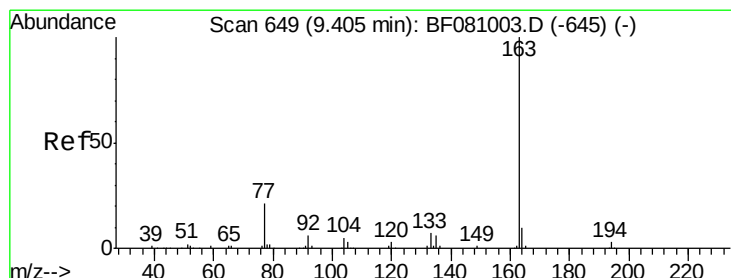
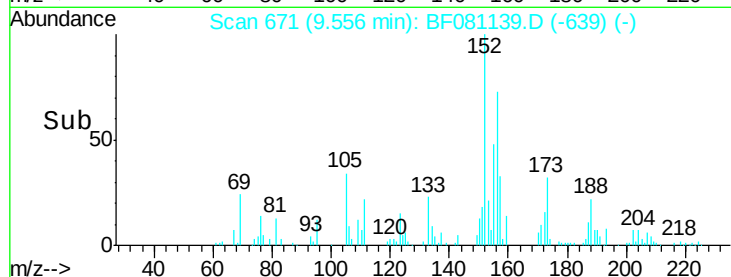
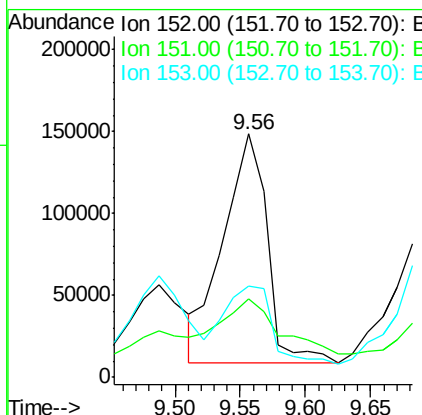
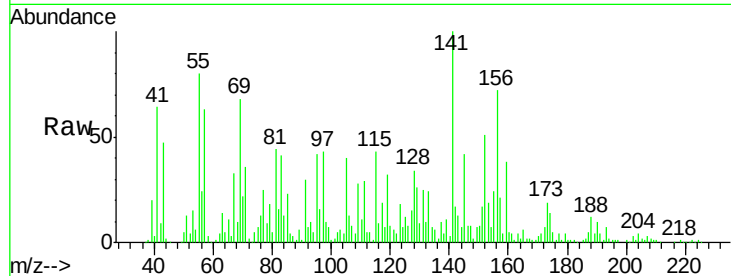
ClientSampleId :

A-PIPE(4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
152	100			
151	32.3	16.1	24.1#	
153	37.6	9.8	14.6#	

Manual Integrations
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#49

Dimethylphthalate

Concen: 27.25 ng

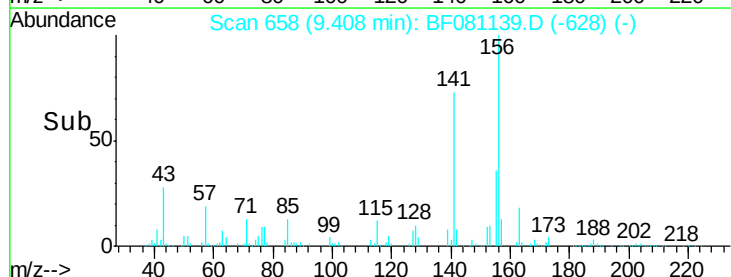
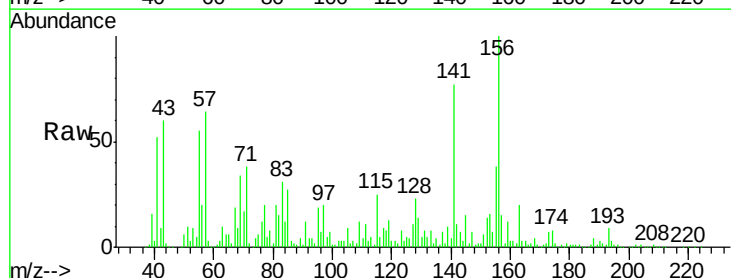
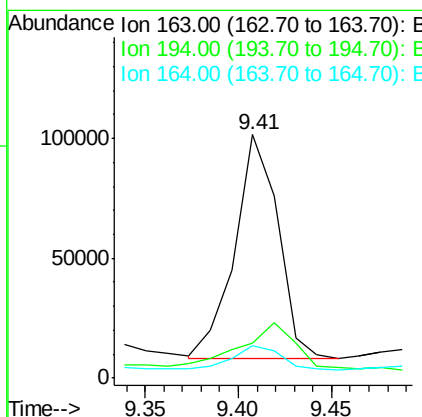
RT: 9.41 min Scan# 658

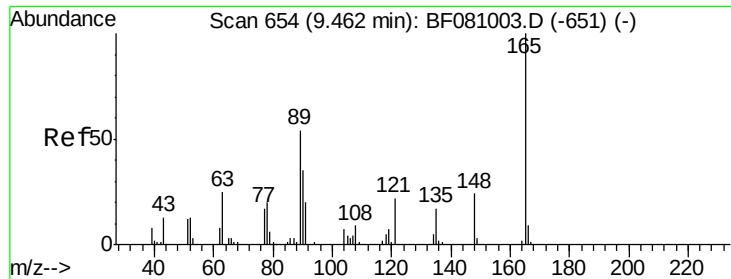
Delta R.T. 0.05 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	14.6	2.5	3.7#	
164	13.4	8.1	12.1#	





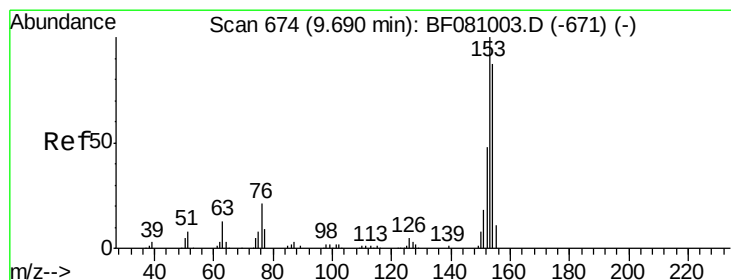
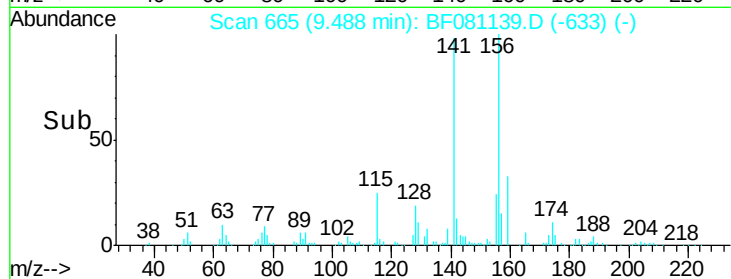
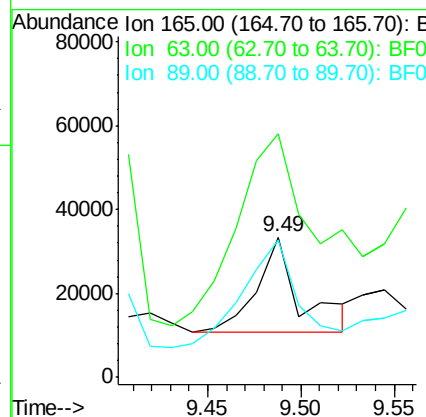
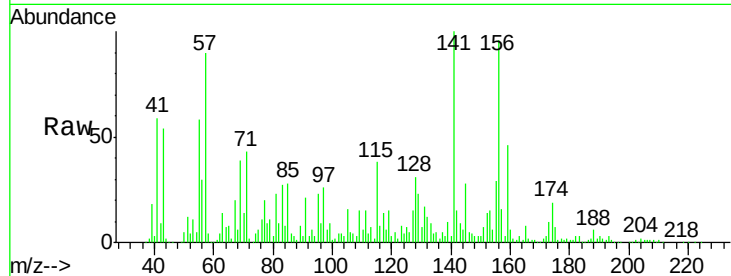
#50
 2,6-Dinitrotoluene
 Concen: 31.70 ng
 RT: 9.49 min Scan# 665
 Delta R.T. 0.07 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

Instrument :
 BNA_F
 ClientSampleId :
 A-PIPE(4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	37531		
63	173.3	49.5	74.3#	
89	97.4	47.6	71.4#	

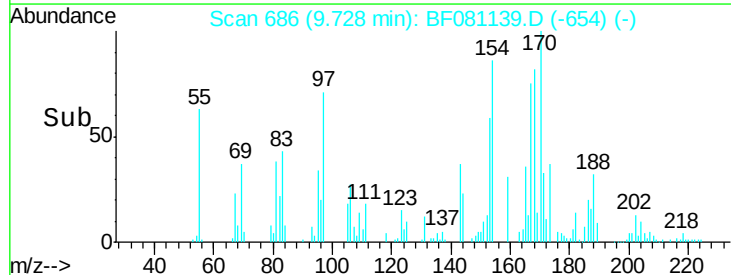
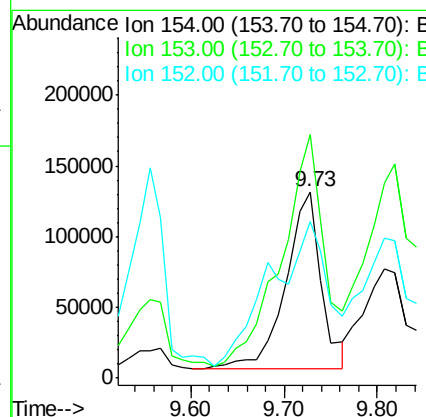
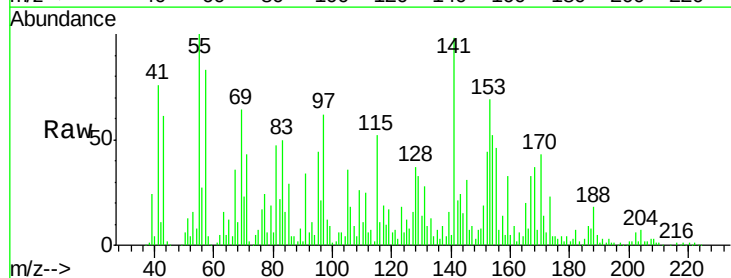
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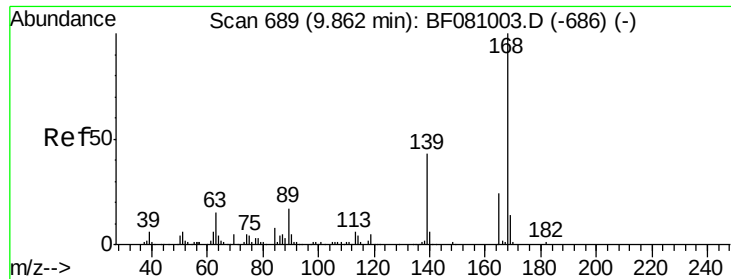
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#51
 Acenaphthene
 Concen: 65.75 ng
 RT: 9.73 min Scan# 686
 Delta R.T. 0.07 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	333648		
153	130.9	91.4	137.2	
152	83.9	43.7	65.5#	





#54

Dibenzofuran

Concen: 50.34 ng

RT: 9.90 min Scan# 701

Delta R.T. 0.07 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

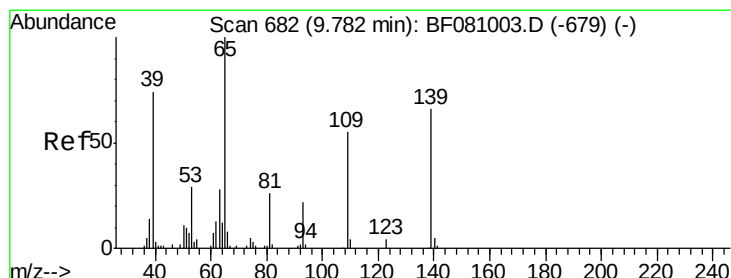
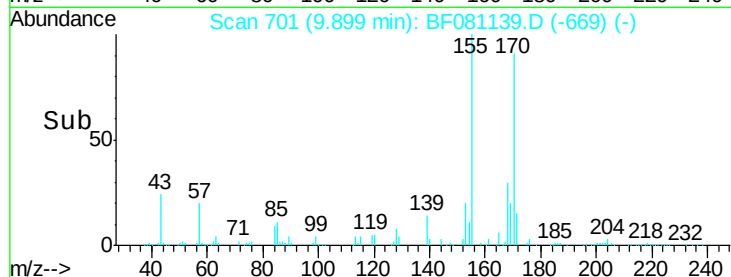
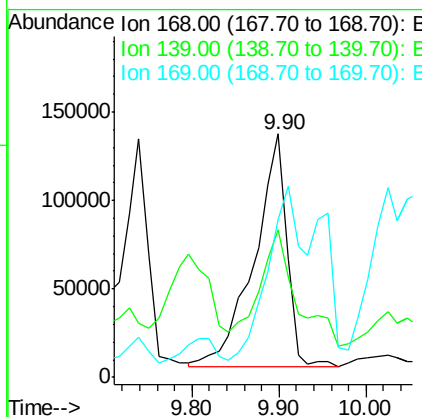
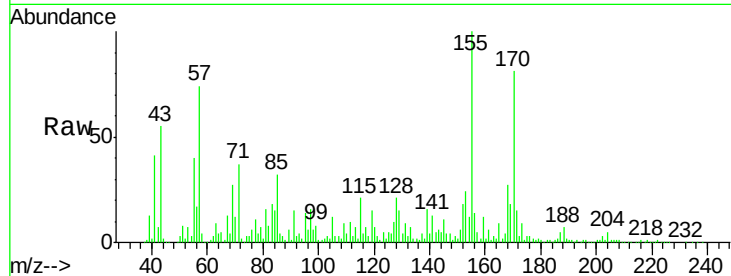
ClientSampleId :

A-PIPE(4)MSD

Tot Ion:	168	Resp:	342298
Ion Ratio	Lower	Upper	
168	100		
139	60.5	29.3	43.9#
169	64.6	10.3	15.5#

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#55

4-Nitrophenol

Concen: 171.53 ng

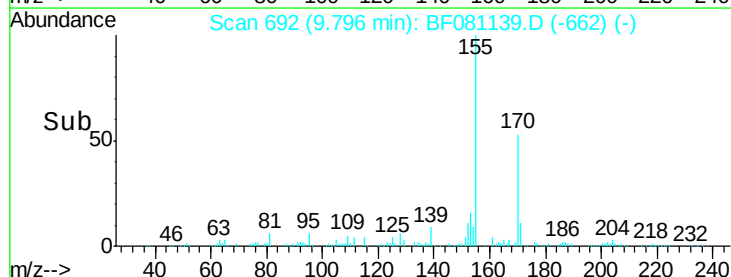
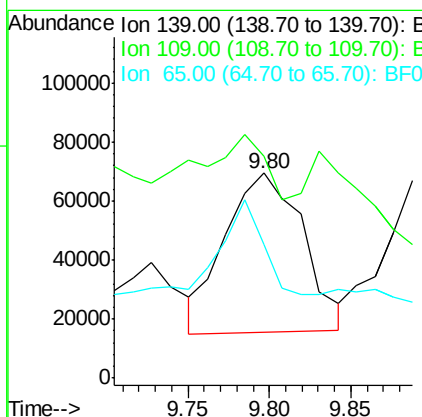
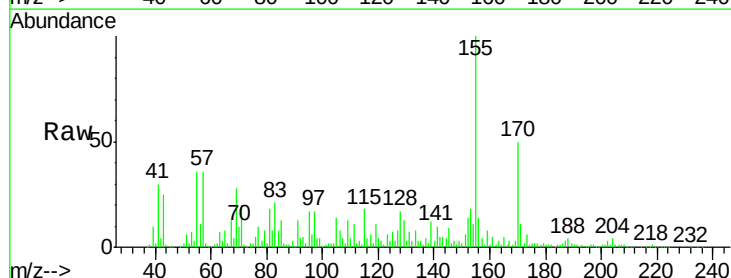
RT: 9.80 min Scan# 692

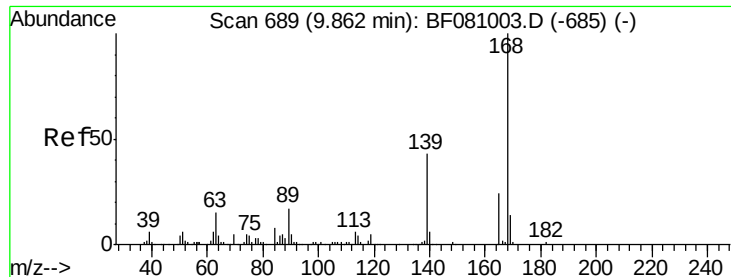
Delta R.T. 0.05 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion:	139	Resp:	178503
Ion Ratio	Lower	Upper	
139	100		
109	108.5	80.0	120.0
65	65.2	138.3	178.3#





#56

2,4-Dinitrotoluene

Concen: 70.89 ng

RT: 9.91 min Scan# 702

Delta R.T. 0.09 min

Lab File: BF081139.D

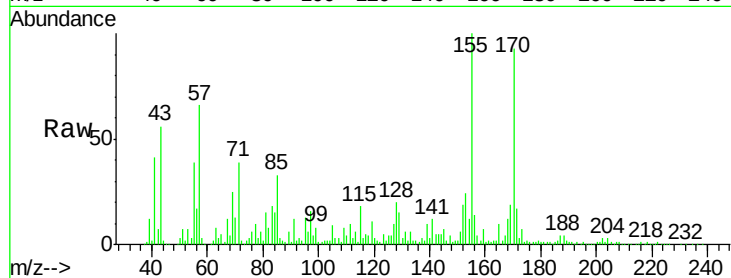
Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD



Tot Ion:165 Resp: 111248

Ion Ratio Lower Upper

165 100

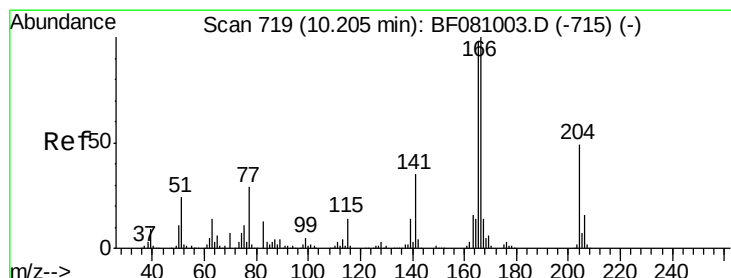
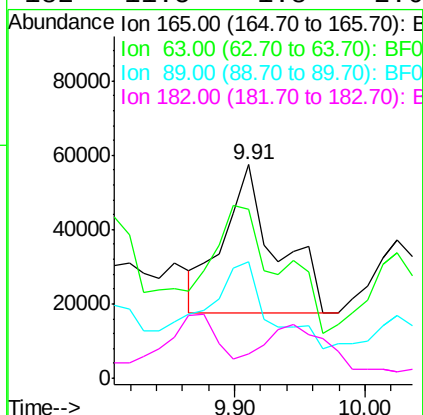
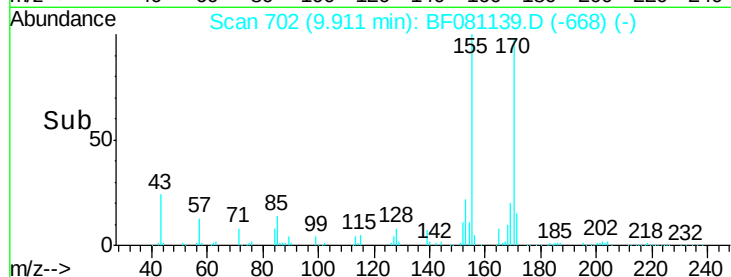
63 78.9 52.2 78.4#

89 54.4 60.1 90.1#

182 11.5 1.8 2.6#

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#57

Fluorene

Concen: 118.14 ng

RT: 10.24 min Scan# 731

Delta R.T. 0.08 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

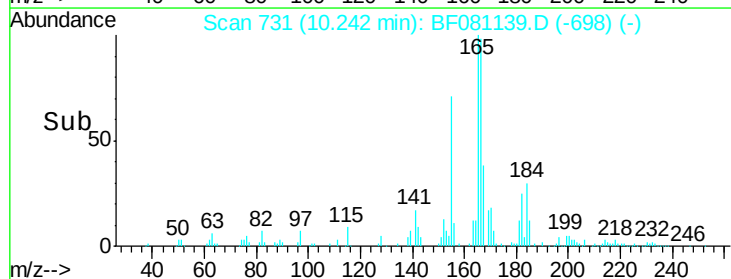
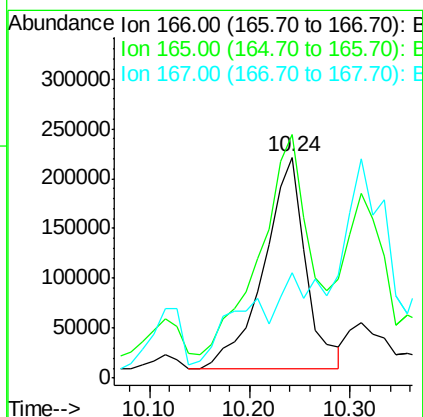
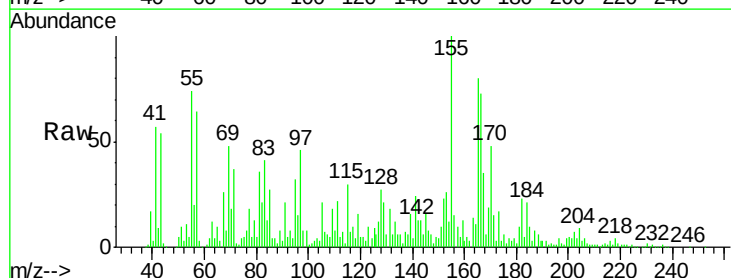
Tgt Ion:166 Resp: 618004

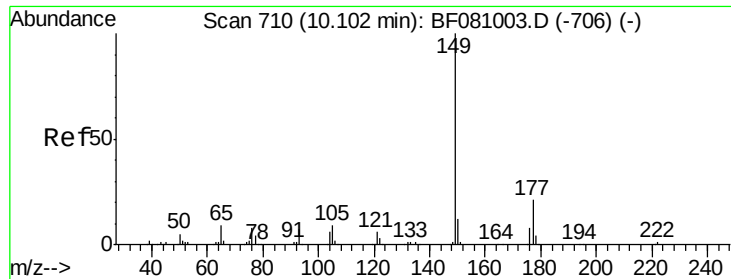
Ion Ratio Lower Upper

166 100

165 110.4 75.8 113.8

167 47.6 11.3 16.9#





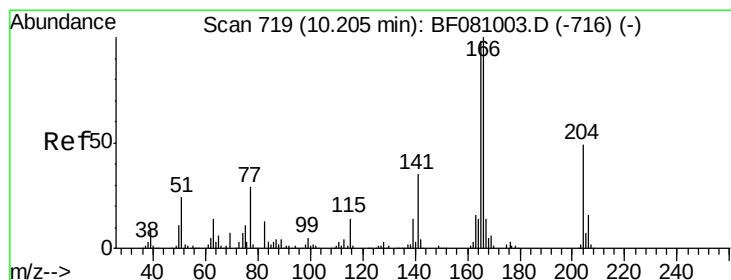
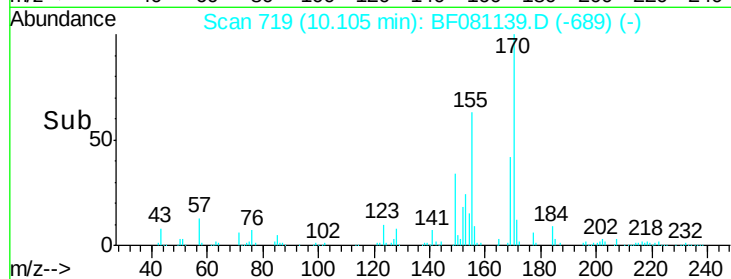
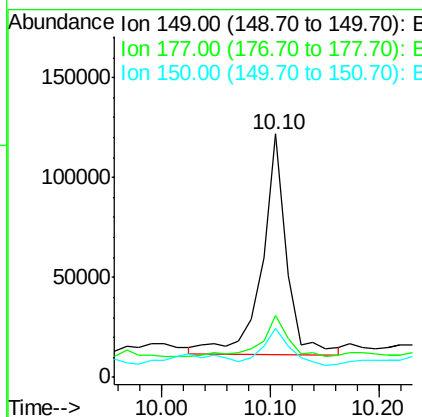
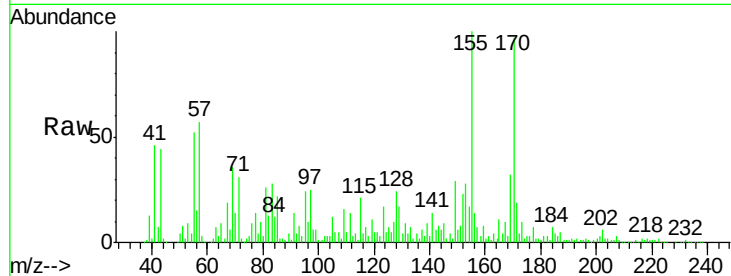
#59
Diethylphthalate
Concen: 30.19 ng
RT: 10.10 min Scan# 719
Delta R.T. 0.05 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	176206		
177	25.3	14.1	21.1#	
150	20.0	10.3	15.5#	

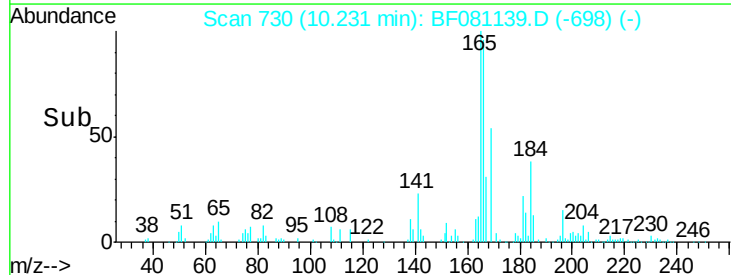
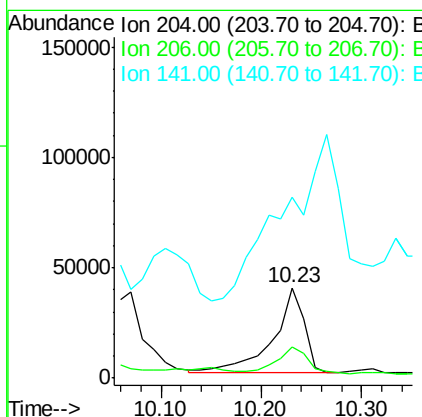
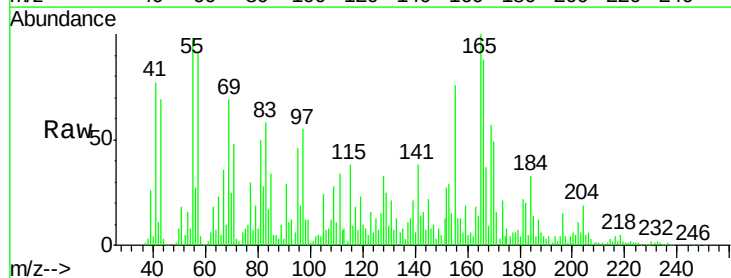
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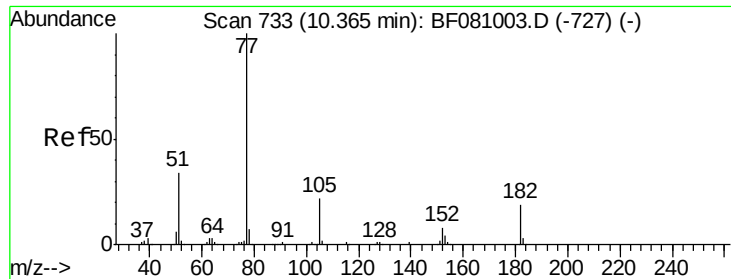
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#60
4-Chlorophenyl-phenylether
Concen: 37.26 ng
RT: 10.23 min Scan# 730
Delta R.T. 0.07 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	82468		
206	34.0	26.2	39.2	
141	199.5	59.6	89.4#	





#62

Azobenzene

Concen: 23.35 ng

RT: 10.39 min Scan# 744

Delta R.T. 0.07 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

Tot Ion: 77 Resp: 157072

Ion Ratio Lower Upper

77 100

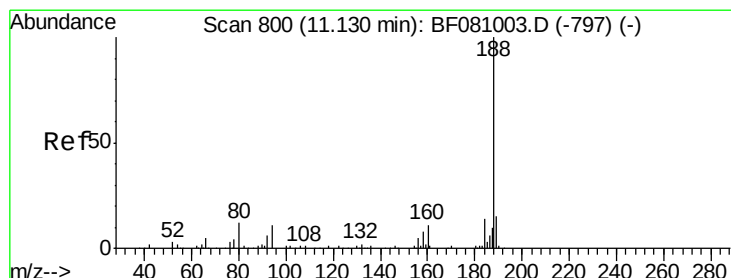
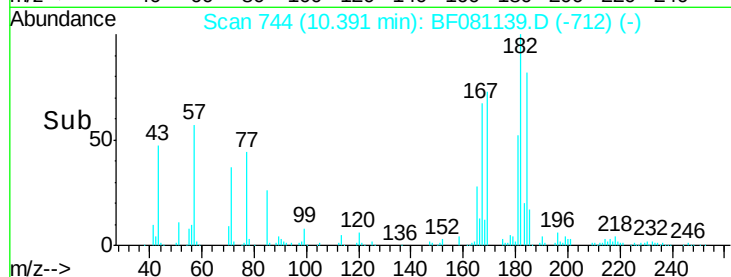
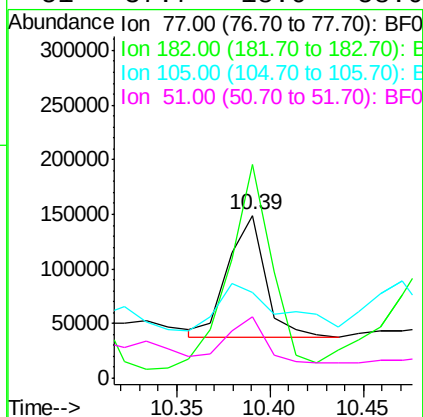
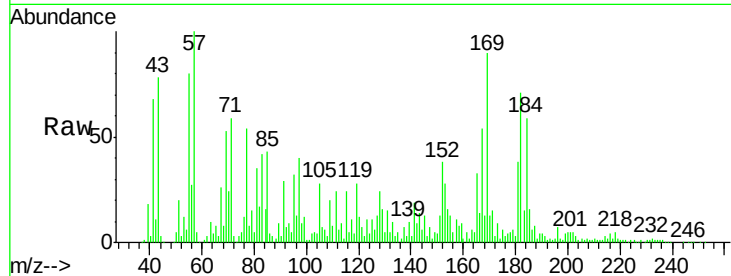
182 131.0 0.0 39.0#

105 52.2 0.2 40.2#

51 37.7 18.0 58.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.16 min Scan# 811

Delta R.T. 0.07 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

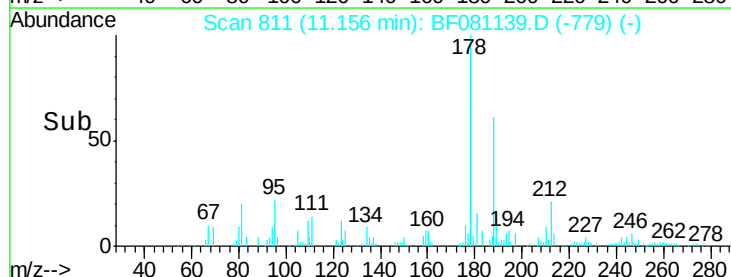
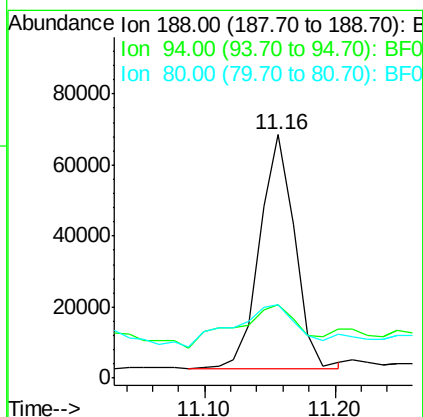
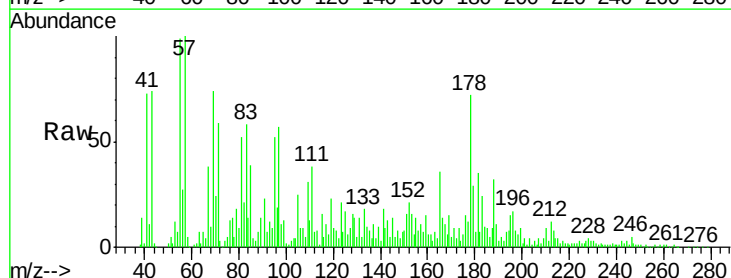
Tgt Ion: 188 Resp: 123921

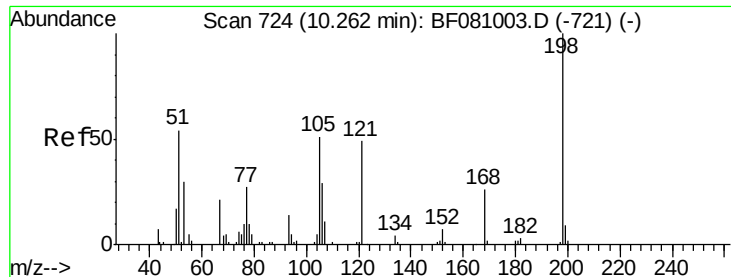
Ion Ratio Lower Upper

188 100

94 30.0 8.2 12.2#

80 30.0 9.5 14.3#





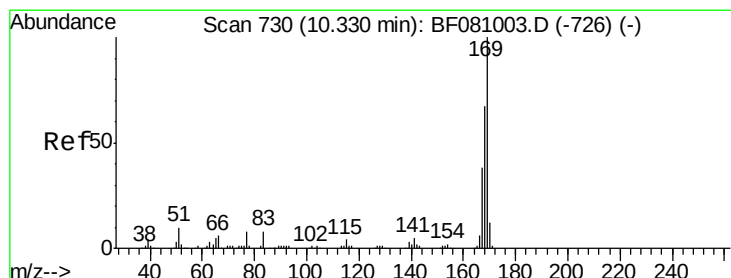
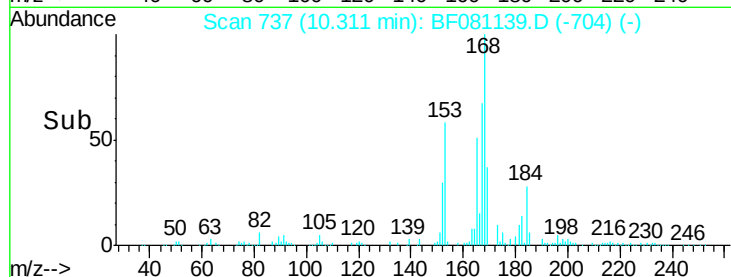
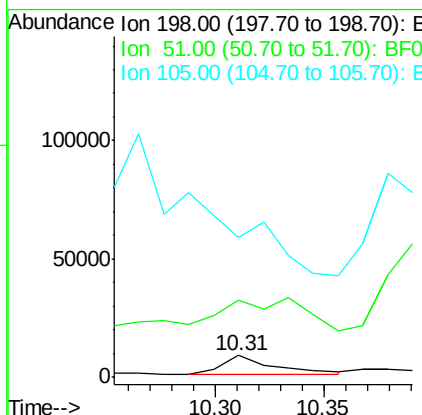
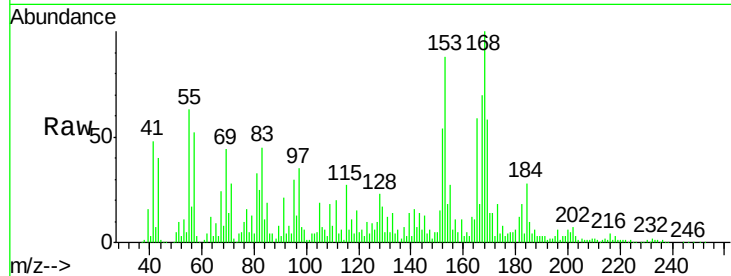
#64
4,6-Dinitro-2-methylphenol
Concen: 17.75 ng
RT: 10.31 min Scan# 737
Delta R.T. 0.08 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	349.5	79.7	119.7#
105	636.9	47.0	87.0#

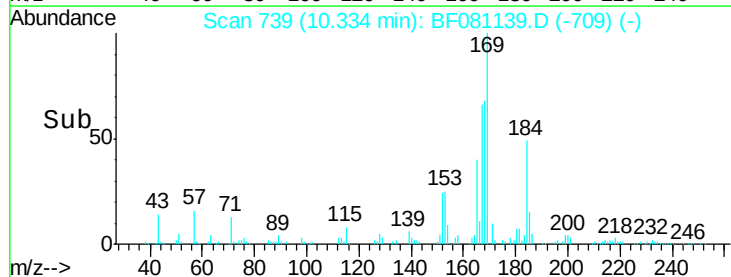
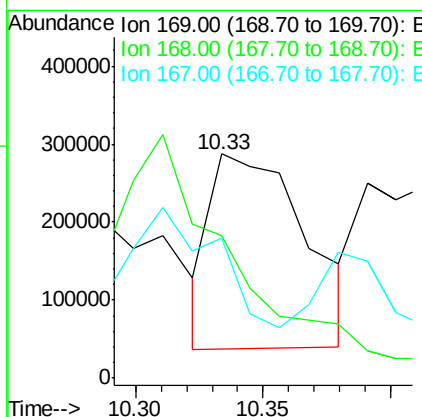
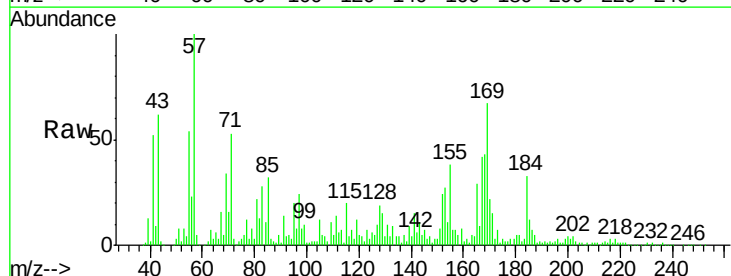
Manual Integrations
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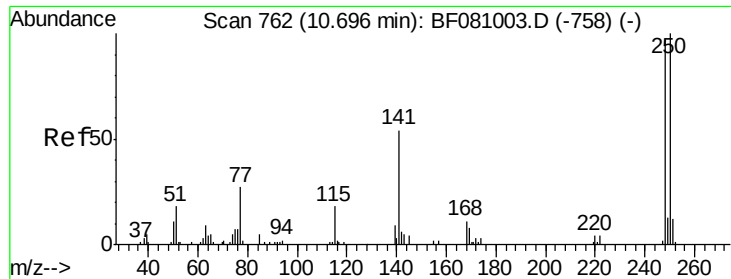
MMDadoda
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#65
n-Nitrosodiphenylamine
Concen: 146.14 ng m
RT: 10.33 min Scan# 739
Delta R.T. 0.05 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Lower	Upper
169	100		
168	63.8	55.3	82.9
167	62.4	30.8	46.2#





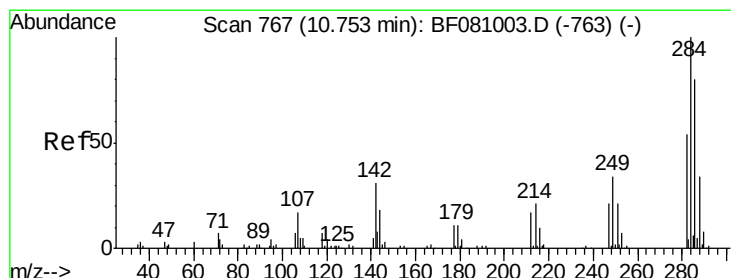
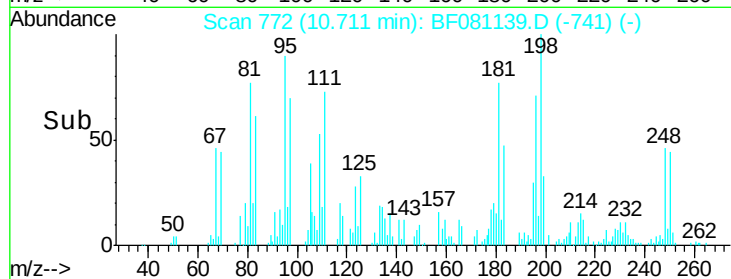
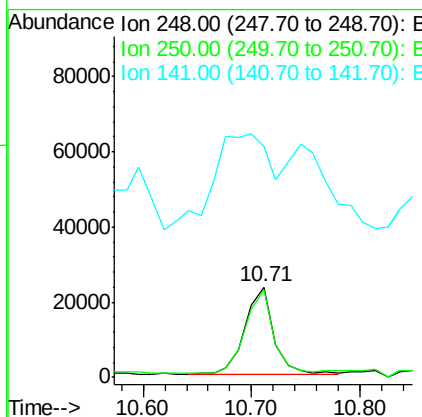
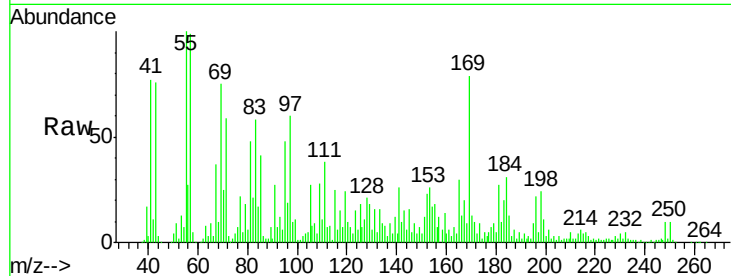
#66
4-Bromophenyl-phenylether
Concen: 35.18 ng
RT: 10.71 min Scan# 772
Delta R.T. 0.06 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.8	116.6
141	255.0	39.8	59.6

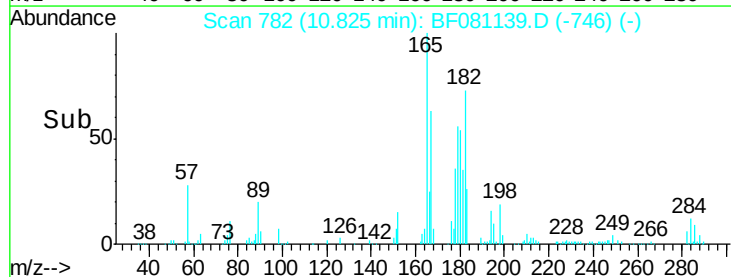
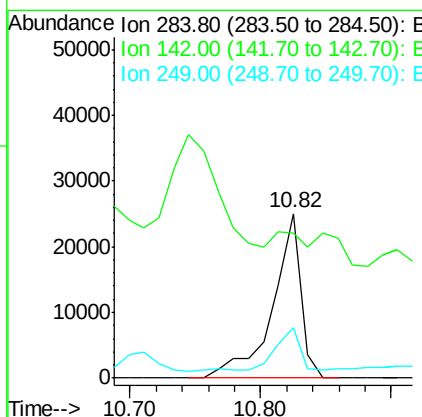
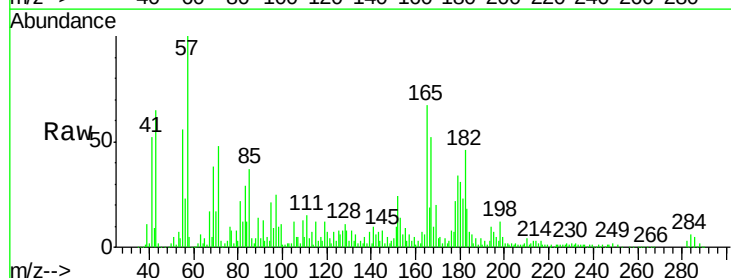
Manual Integrations
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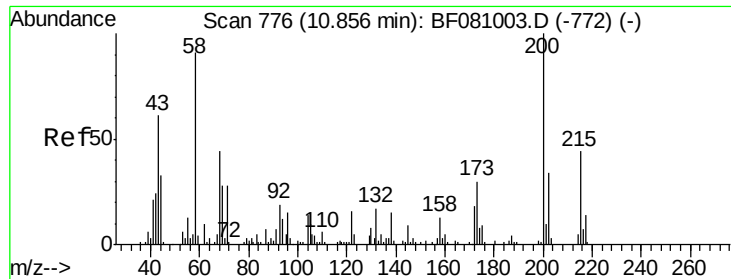
MMDadoda
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#67
Hexachlorobenzene
Concen: 30.97 ng
RT: 10.82 min Scan# 782
Delta R.T. 0.11 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Lower	Upper
284	100		
142	88.2	25.4	38.0
249	30.5	28.5	42.7





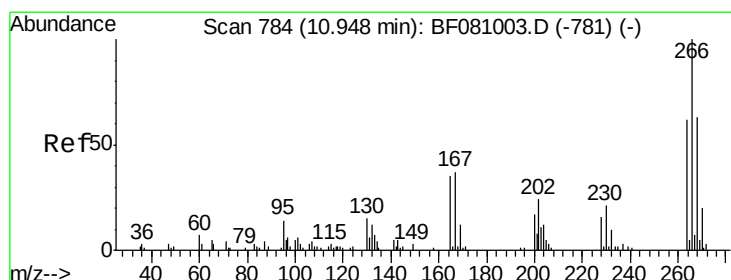
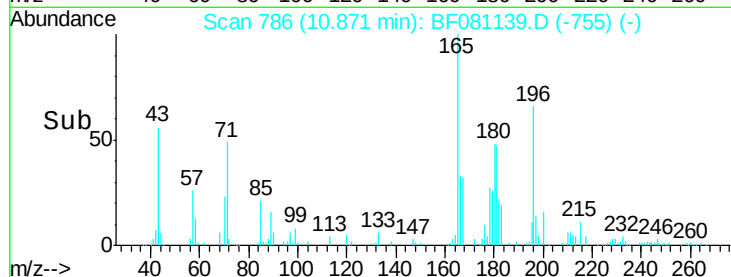
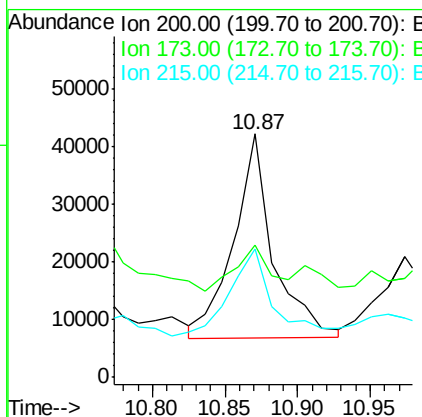
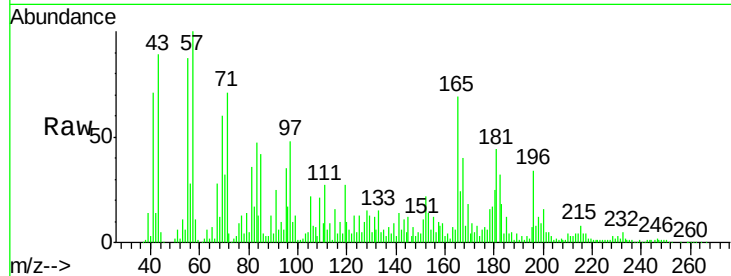
#68
Atrazine
Concen: 54.53 ng
RT: 10.87 min Scan# 786
Delta R.T. 0.06 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	54.3	8.1	48.1#
215	52.5	23.3	63.3

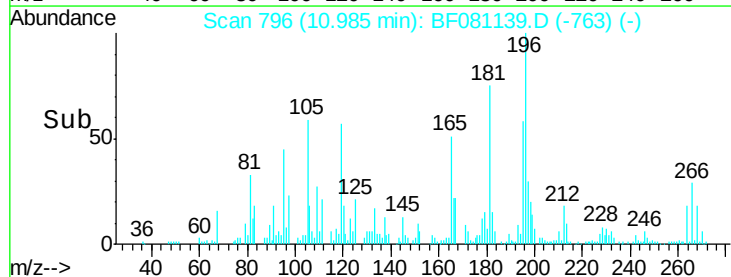
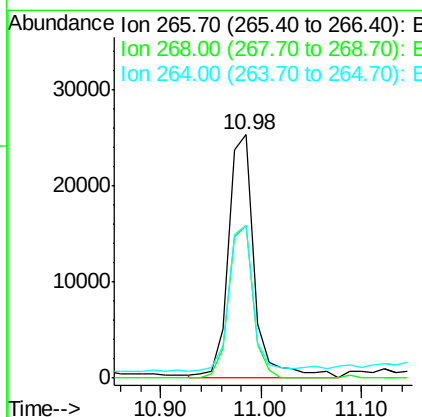
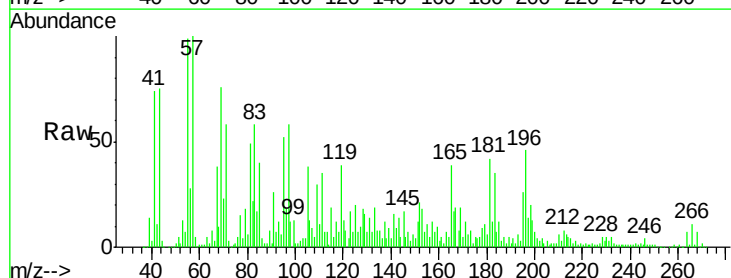
Manual Integrations
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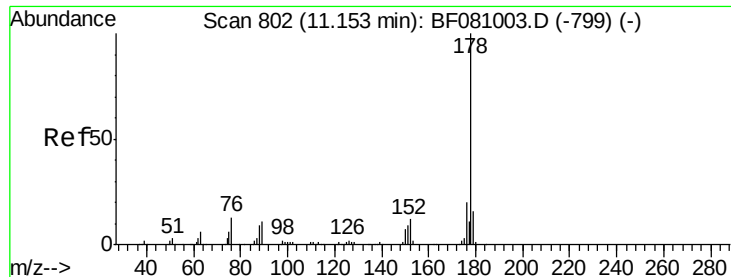
MMDadoda
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#69
Pentachlorophenol
Concen: 61.33 ng
RT: 10.98 min Scan# 796
Delta R.T. 0.08 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.9	51.2	76.8
264	62.6	50.6	75.8





#70

Phenanthrene

Concen: 187.94 ng

RT: 11.19 min Scan# 814

Delta R.T. 0.07 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

ClientSampleId :

A-PIPE(4)MSD

Tot Ion:178 Resp: 1380272

Ion Ratio Lower Upper

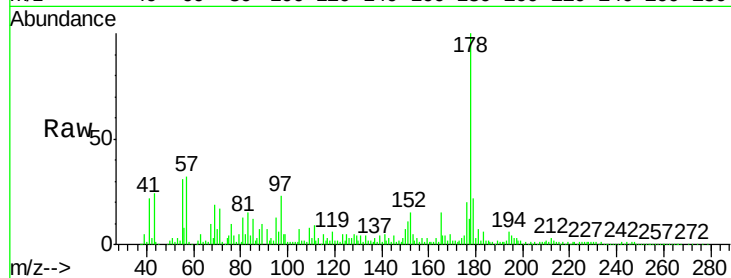
178 100

176 20.0 15.7 23.5

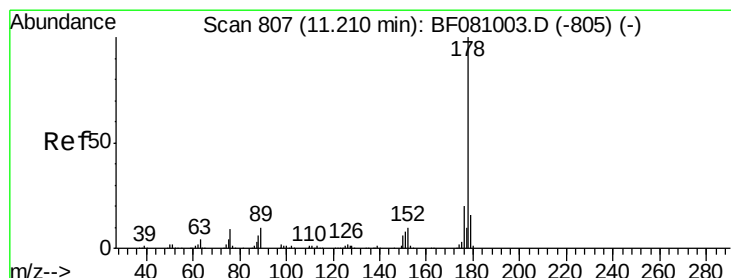
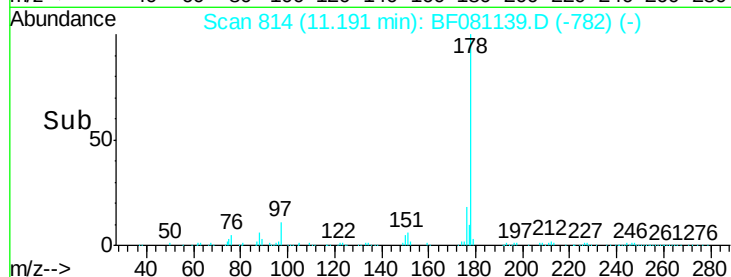
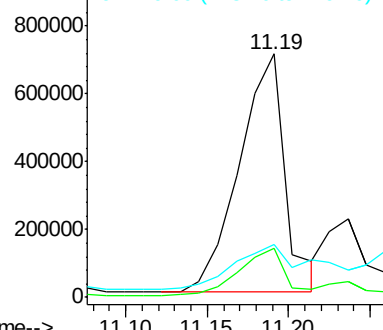
179 21.6 12.2 18.2#

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 49.69 ng

RT: 11.24 min Scan# 818

Delta R.T. 0.07 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

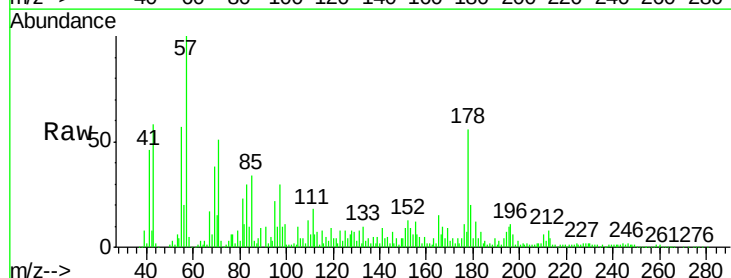
Tgt Ion:178 Resp: 355103

Ion Ratio Lower Upper

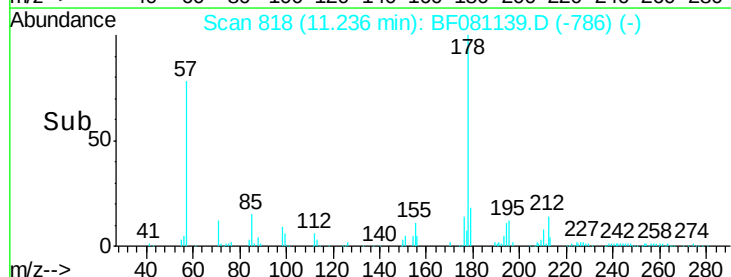
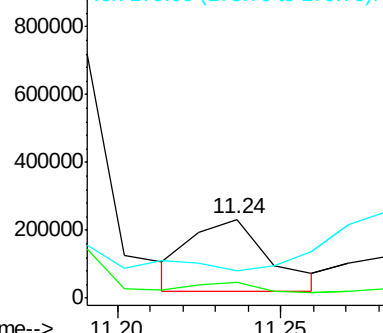
178 100

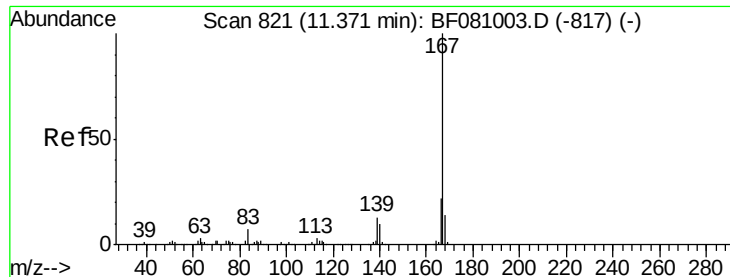
176 19.7 15.7 23.5

179 35.1 12.7 19.1#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 40.51 ng

RT: 11.39 min Scan# 831

Delta R.T. 0.06 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

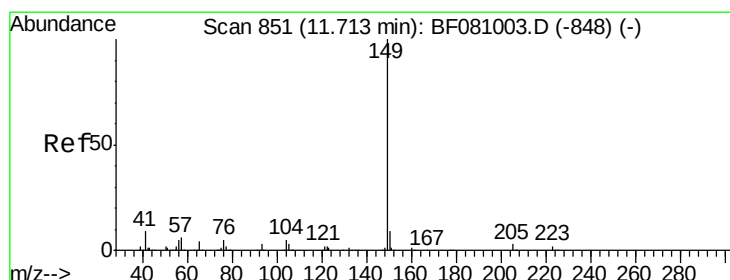
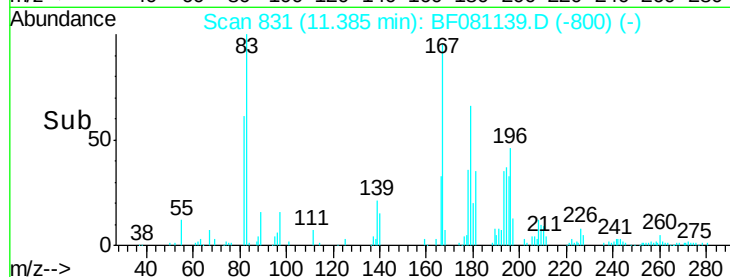
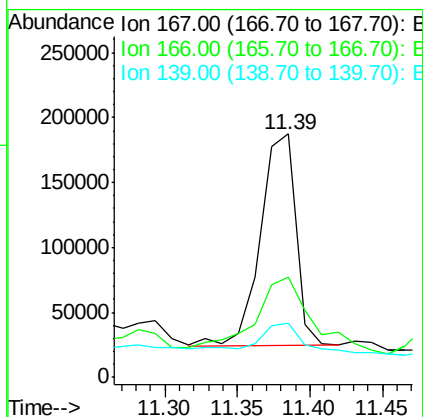
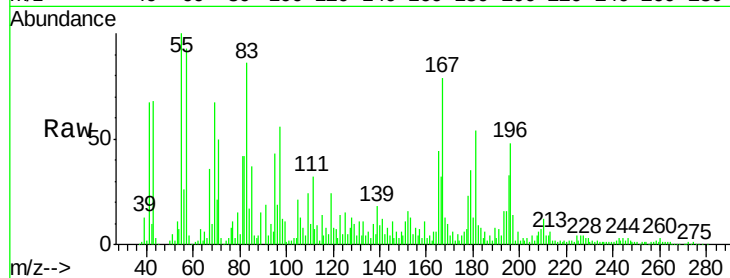
ClientSampleId :

A-PIPE(4)MSD

Tot Ion:	167	Resp:	278752
Ion Ratio	Lower	Upper	
167	100		
166	40.9	17.4	26.0#
139	22.5	10.6	16.0#

Manual Integrations
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#73

Di-n-butylphthalate

Concen: 35.98 ng

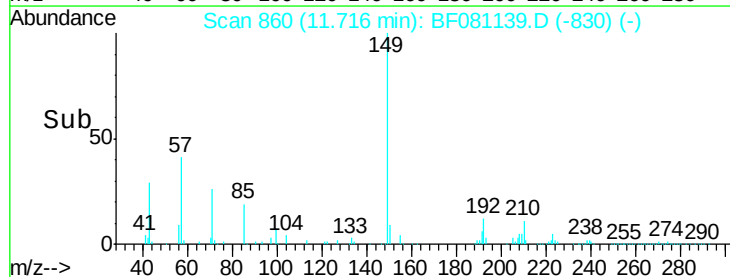
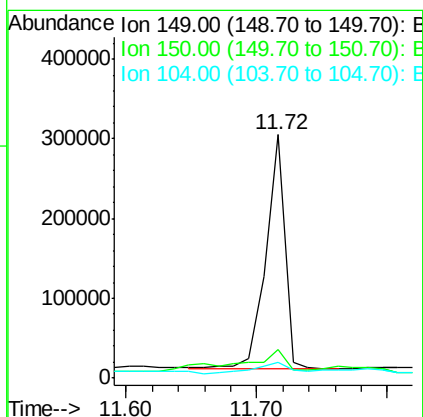
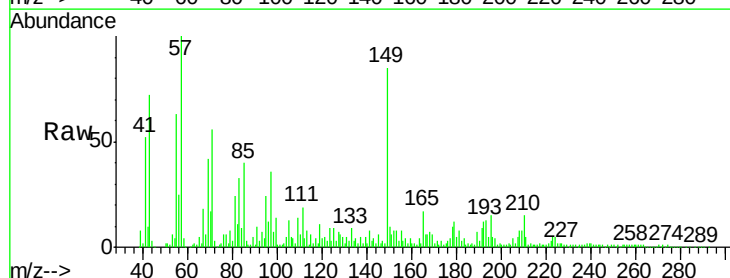
RT: 11.72 min Scan# 860

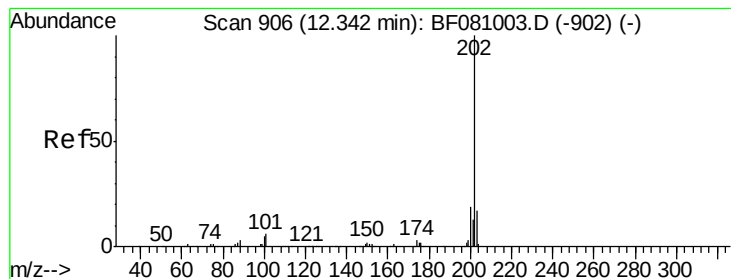
Delta R.T. 0.05 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion:	149	Resp:	299579
Ion Ratio	Lower	Upper	
149	100		
150	11.6	7.1	10.7#
104	6.5	3.9	5.9#





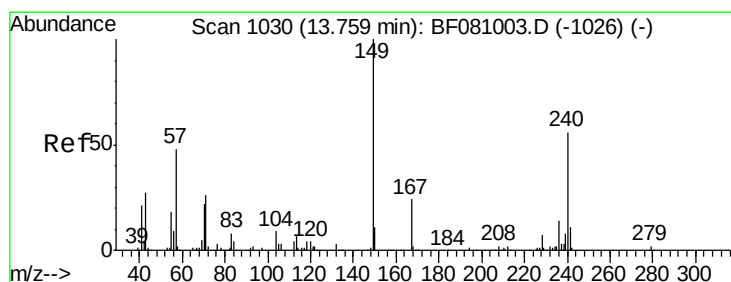
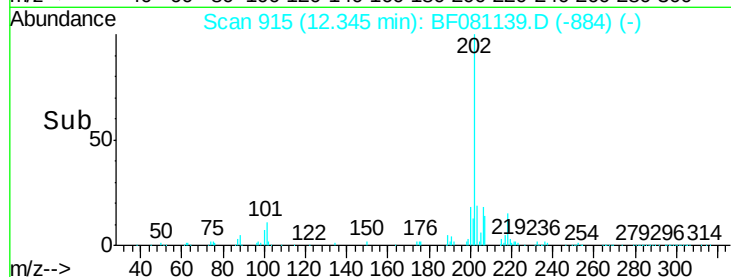
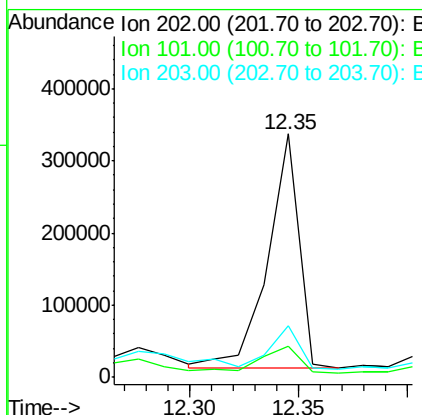
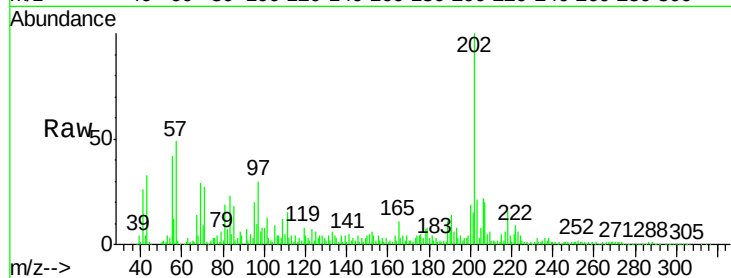
#74
Fluoranthene
Concen: 41.28 ng
RT: 12.35 min Scan# 915
Delta R.T. 0.06 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.6	0.0	24.8		
203	21.4	0.0	36.9		

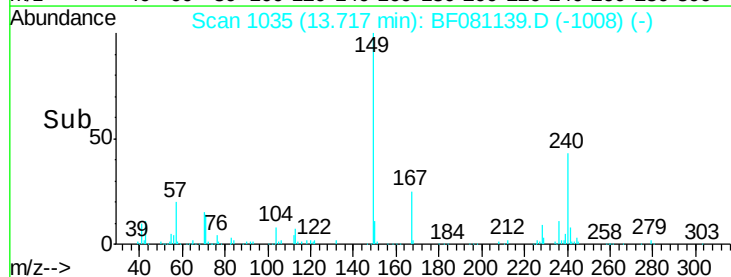
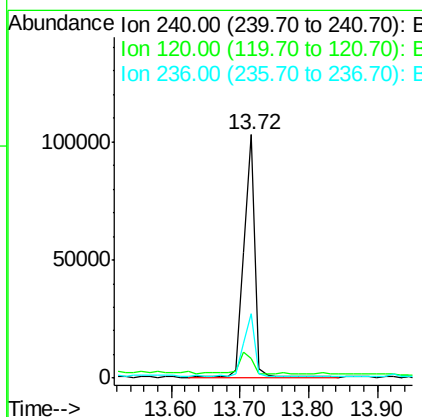
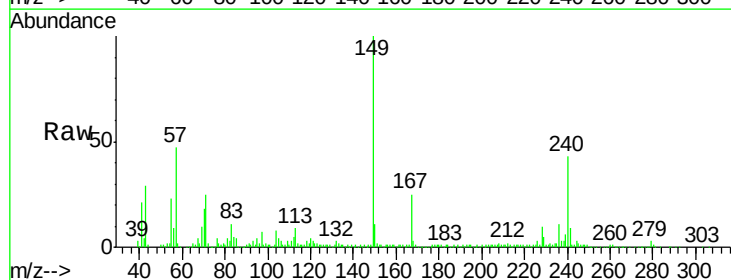
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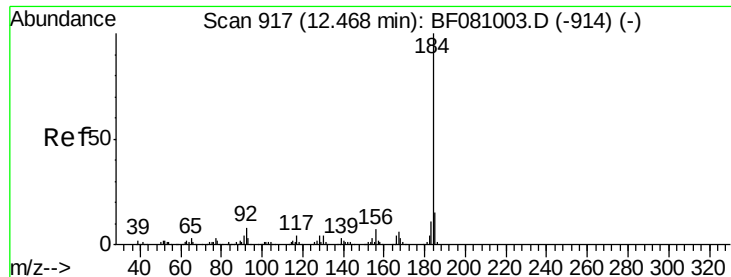
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.72 min Scan# 1035
Delta R.T. 0.01 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	8.2	5.6	8.4		
236	26.4	20.6	30.8		





#76

Benzidine

Concen: 14.47 ng

RT: 12.45 min Scan# 924

Delta R.T. 0.02 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

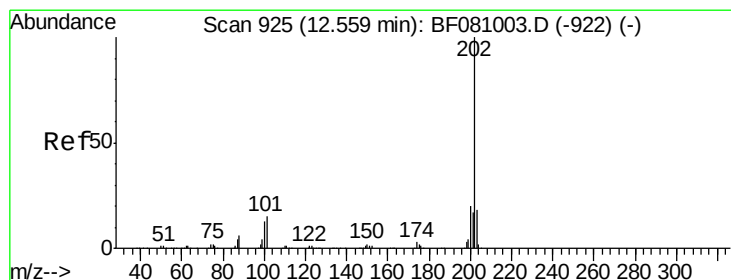
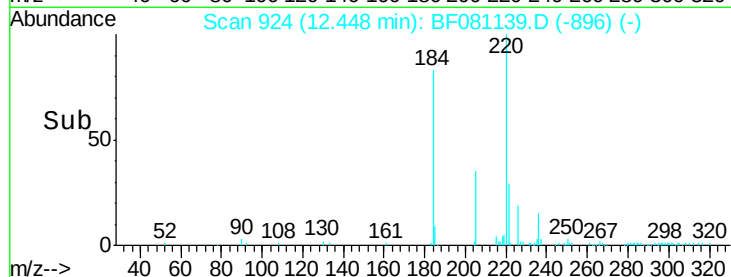
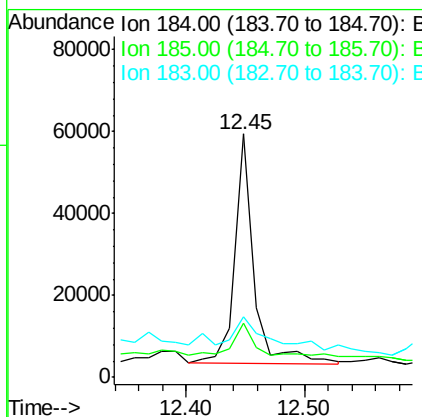
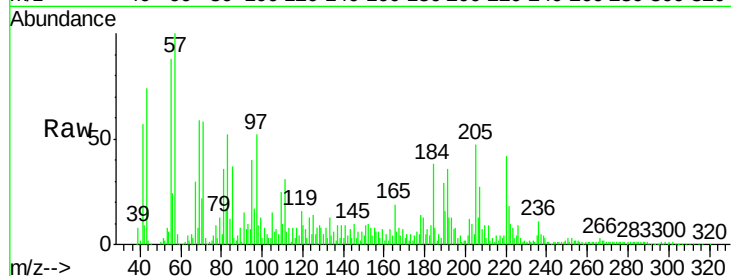
ClientSampleId :

A-PIPE(4)MSD

Tot Ion:	184	Resp:	61822
Ion Ratio	Lower	Upper	
184	100		
185	22.2	12.0	18.0#
183	24.7	8.9	13.3#

Manual Integrations
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#77

Pyrene

Concen: 68.54 ng

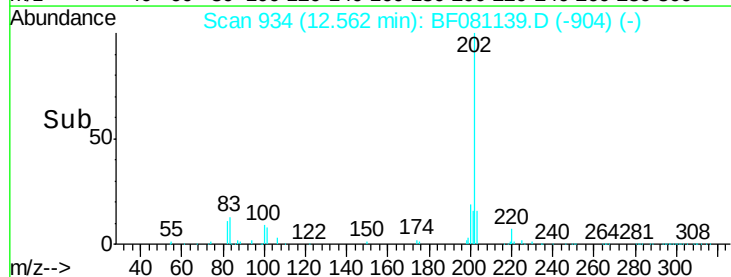
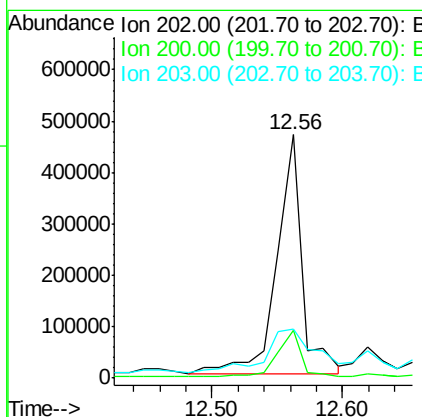
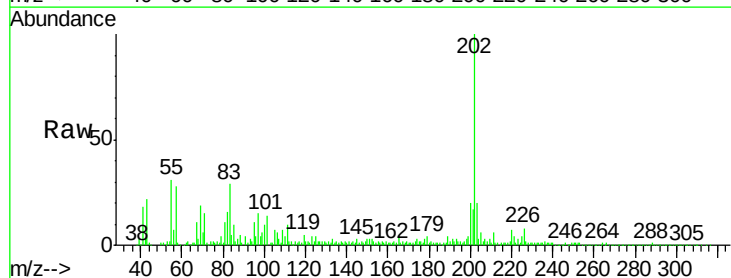
RT: 12.56 min Scan# 934

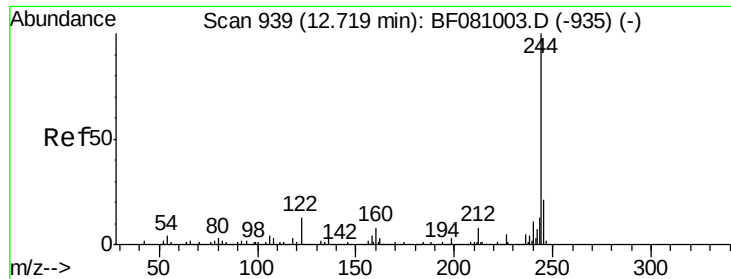
Delta R.T. 0.05 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion:	202	Resp:	630215
Ion Ratio	Lower	Upper	
202	100		
200	19.6	16.6	24.8
203	20.4	14.1	21.1





#78

Terphenyl-d14

Concen: 62.77 ng

RT: 12.70 min Scan# 946

Delta R.T. 0.02 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Instrument :

BNA_F

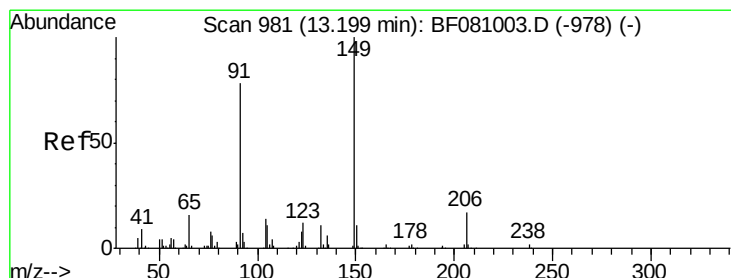
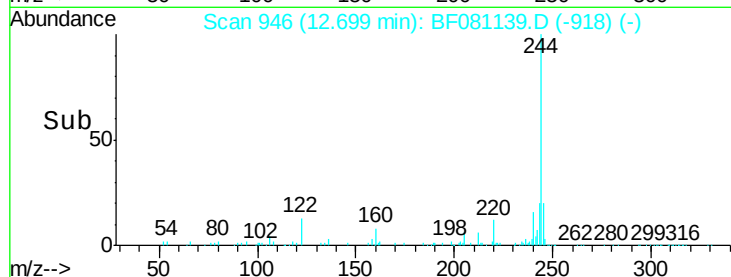
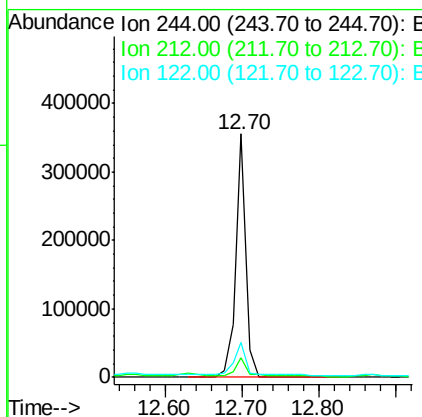
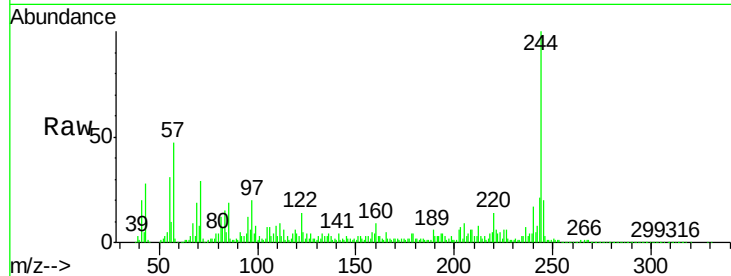
ClientSampleId :

A-PIPE(4)MSD

Tot Ion:	244	Resp:	331169
Ion Ratio		Lower	Upper
244	100		
212	8.2	5.8	8.8
122	14.5	8.2	12.4

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#79

Butylbenzylphthalate

Concen: 35.46 ng

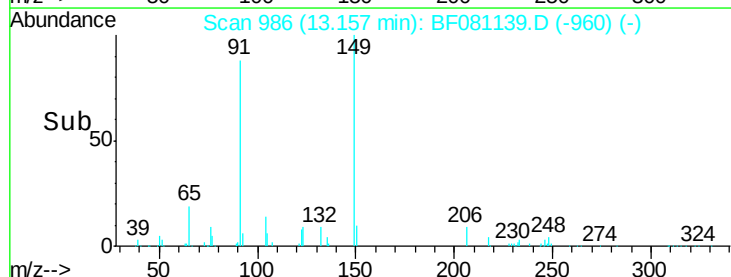
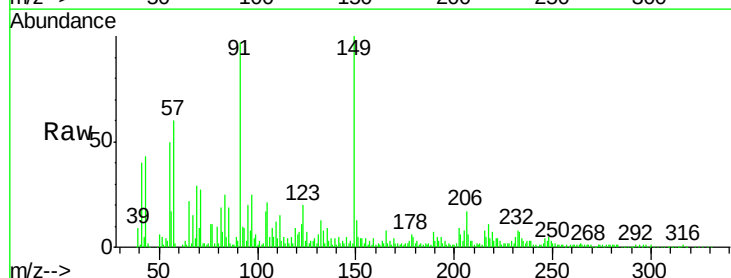
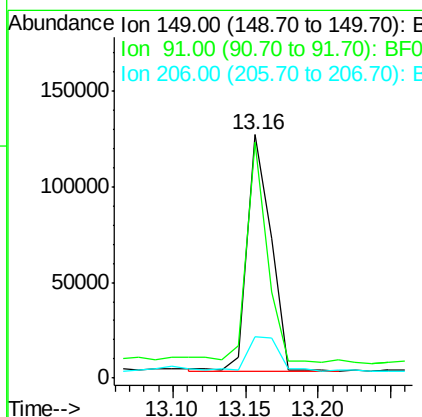
RT: 13.16 min Scan# 986

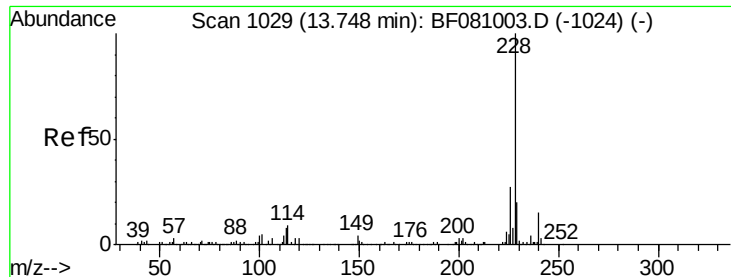
Delta R.T. 0.00 min

Lab File: BF081139.D

Acq: 20 Aug 2015 22:46

Tgt Ion:	149	Resp:	140169
Ion Ratio		Lower	Upper
149	100		
91	97.0	46.9	70.3
206	17.2	17.0	25.4





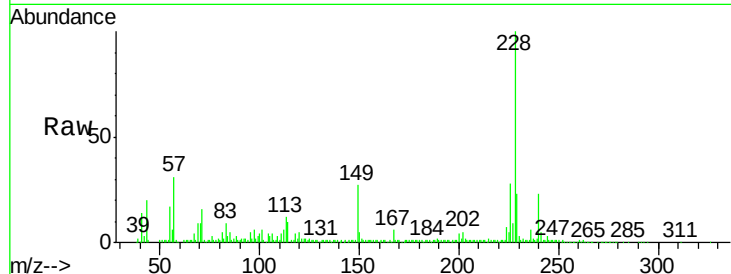
#80
Benzo(a)anthracene
Concen: 34.39 ng
RT: 13.71 min Scan# 1034
Delta R.T. 0.01 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

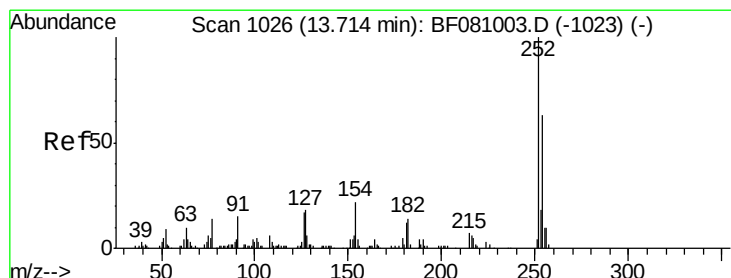
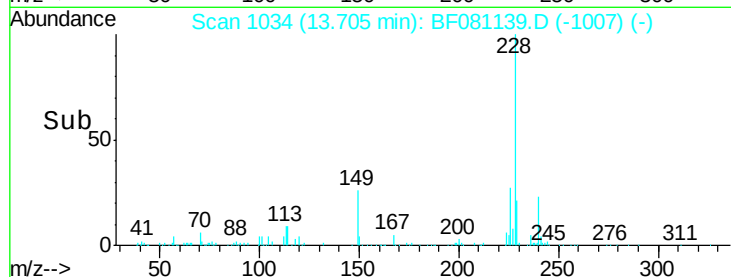
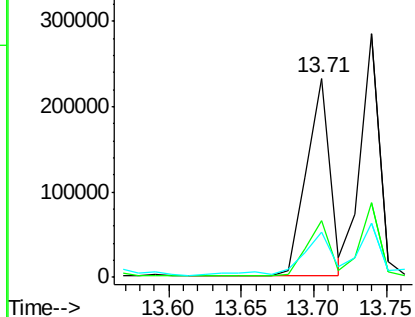
Tot Ion:	228	Resp:	260851
Ion Ratio	Lower	Upper	
228	100		
226	28.4	22.3	33.5
229	22.8	15.9	23.9

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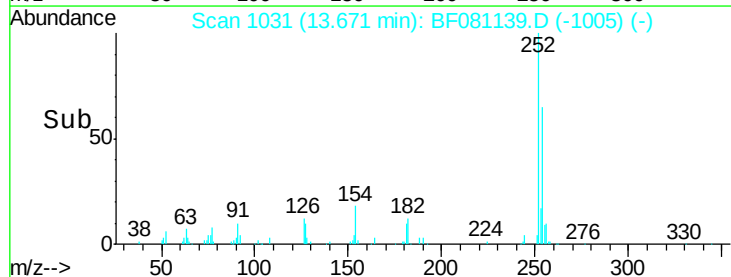
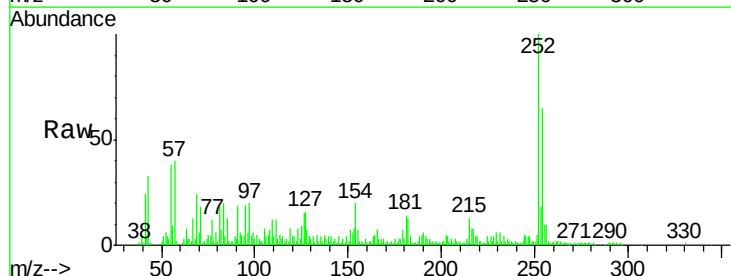
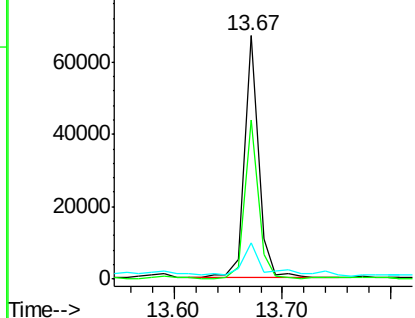
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

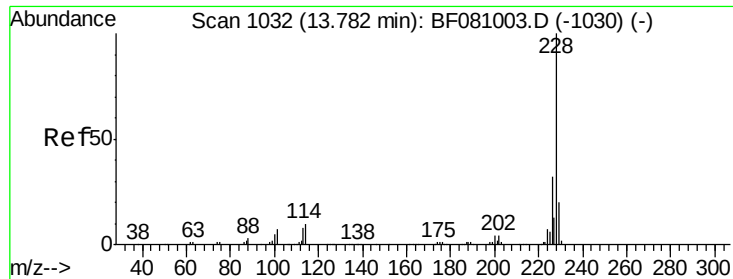


#81
3,3'-Dichlorobenzidine
Concen: 23.67 ng
RT: 13.67 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion:	252	Resp:	58152
Ion Ratio	Lower	Upper	
252	100		
254	65.1	51.5	77.3
126	14.8	12.5	18.7

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





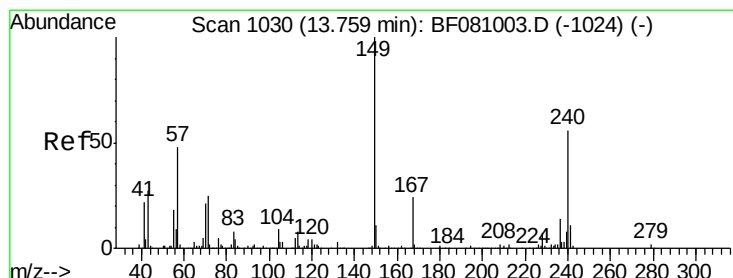
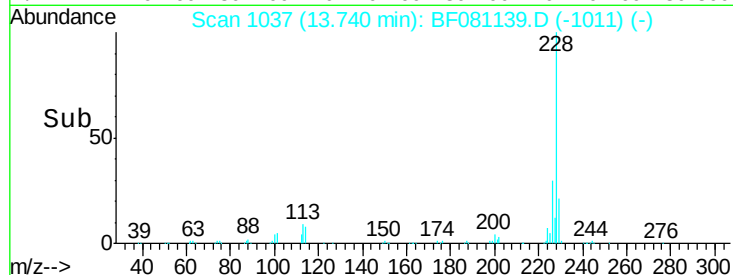
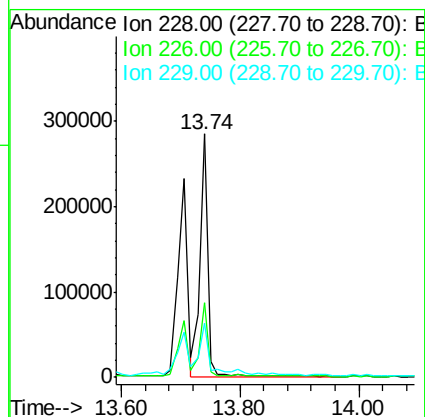
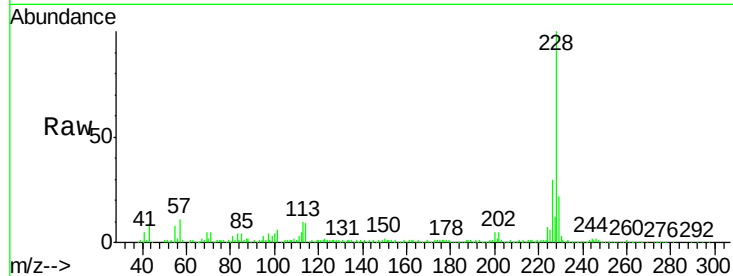
#82
 Chrysene
 Concen: 39.39 ng
 RT: 13.74 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

Instrument :
 BNA_F
 ClientSampleId :
 A-PIPE(4)MSD

Tot Ion:	228	Resp:	269284
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.4	36.6
229	22.5	16.0	24.0

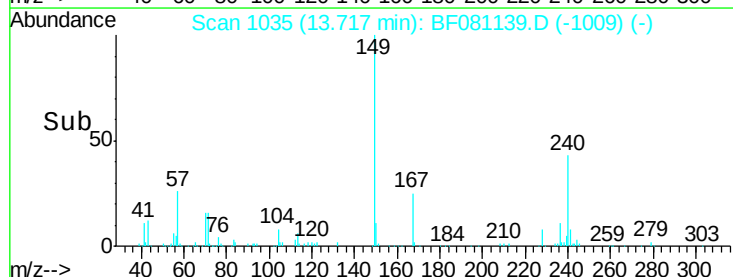
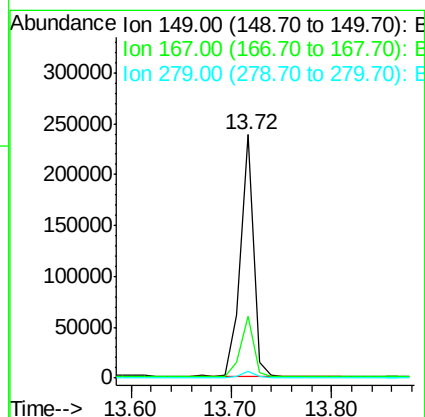
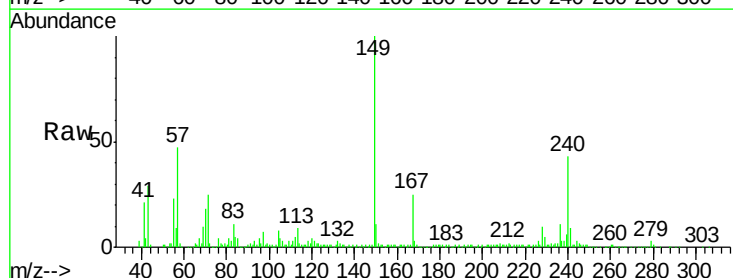
Manual Integrations
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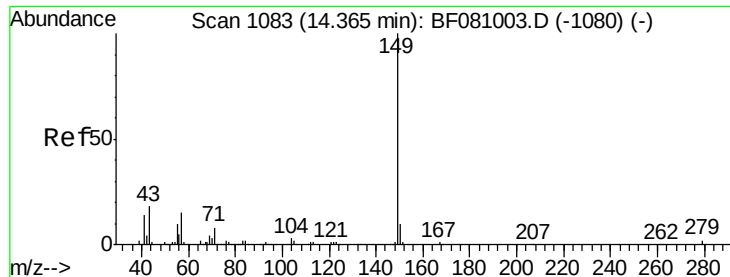
MMDadoda
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 43.16 ng
 RT: 13.72 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: BF081139.D
 Acq: 20 Aug 2015 22:46

Tgt Ion:	149	Resp:	218505
Ion Ratio	Lower	Upper	
149	100		
167	25.5	20.7	31.1
279	2.6	2.2	3.4





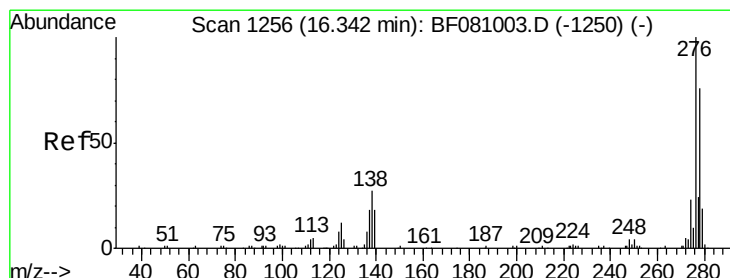
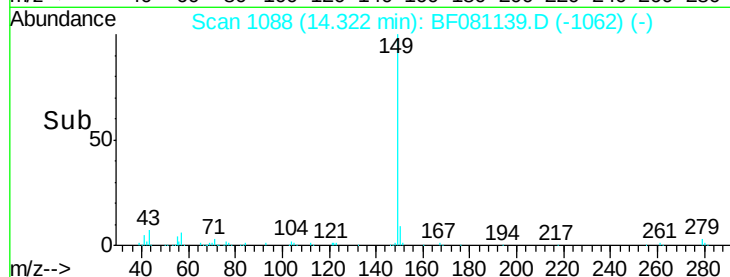
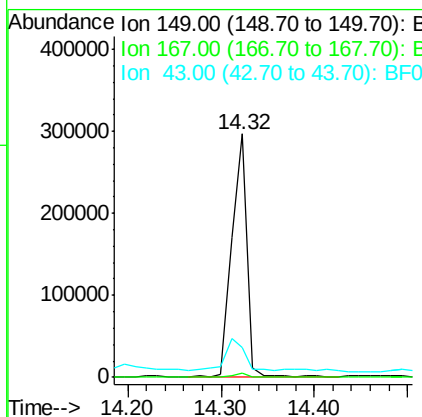
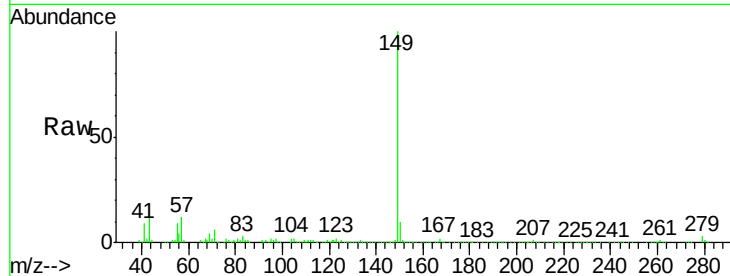
#84
Di-n-octyl phthalate
Concen: 42.81 ng
RT: 14.32 min Scan# 1088
Delta R.T. 0.00 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	329397		
167	1.5		1.1	1.7
43	15.4		11.6	17.4

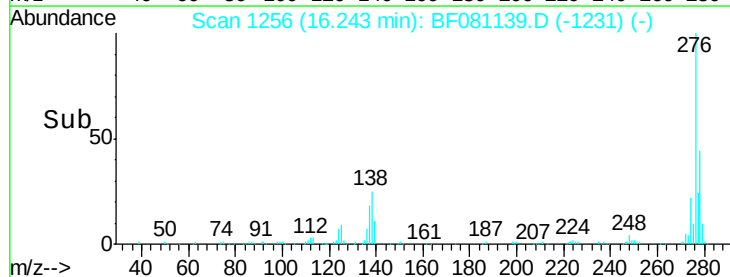
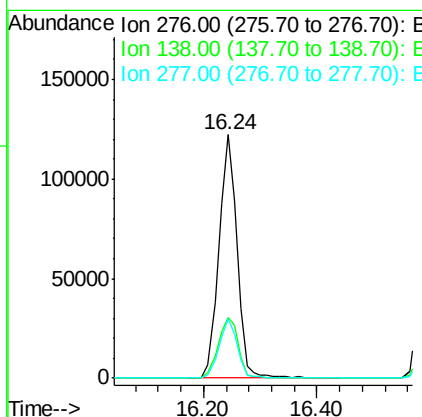
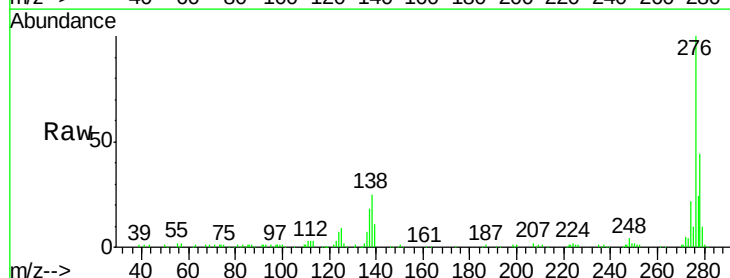
Manual Integrations
APPROVED

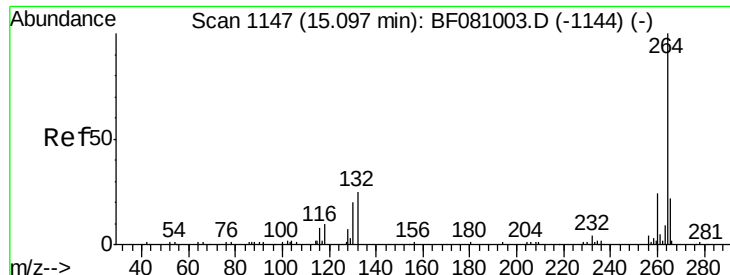
MMDadoda
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#85
Indeno(1,2,3-cd)pyrene
Concen: 56.56 ng
RT: 16.24 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	271488		
138	27.5		18.6	28.0
277	24.1		19.8	29.8





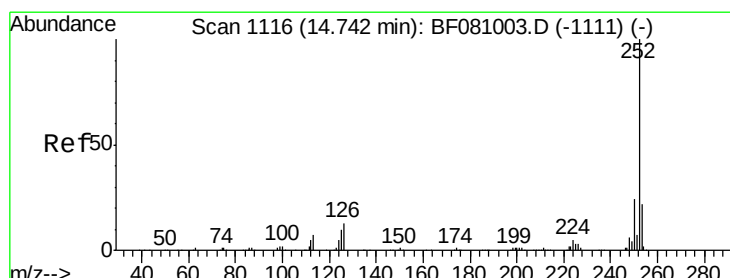
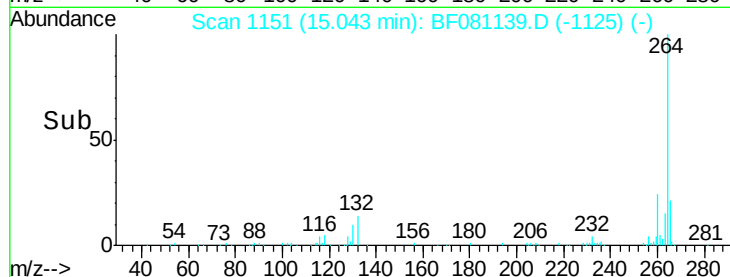
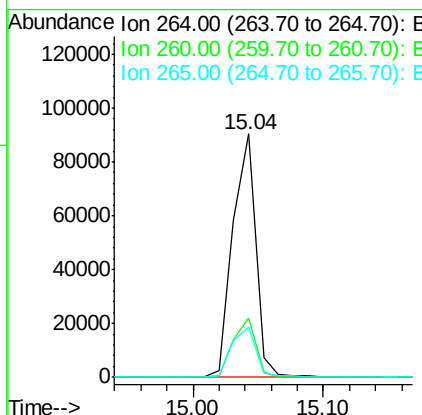
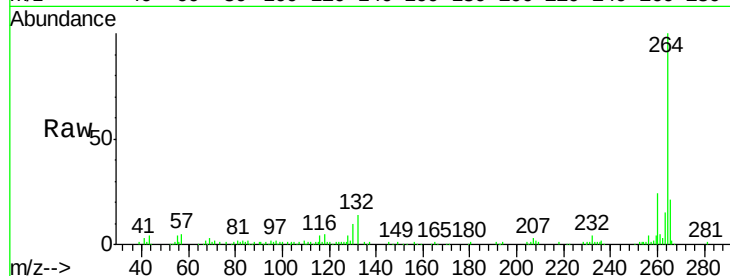
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
264	100	110350		
260	24.4	19.6	29.4	
265	20.7	17.5	26.3	

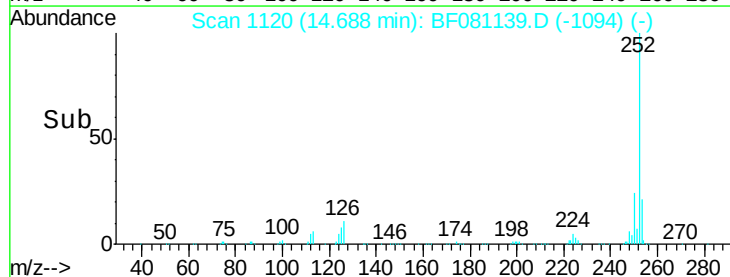
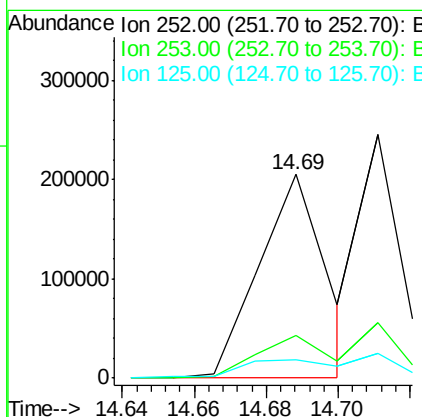
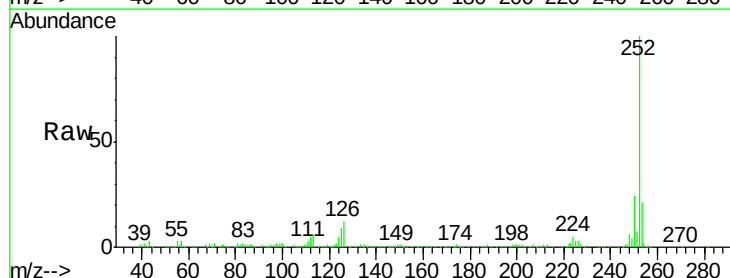
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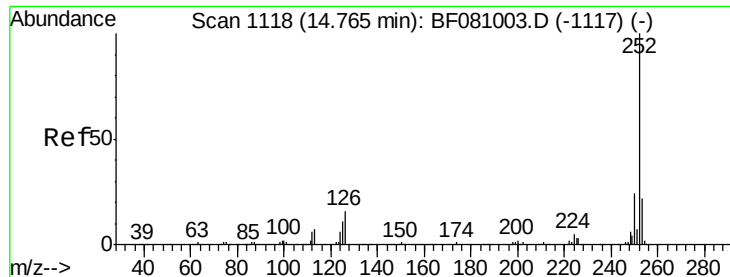
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#87
Benzo(b)fluoranthene
Concen: 33.94 ng m
RT: 14.69 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	264909		
253	21.2	17.1	25.7	
125	9.0	8.0	12.0	





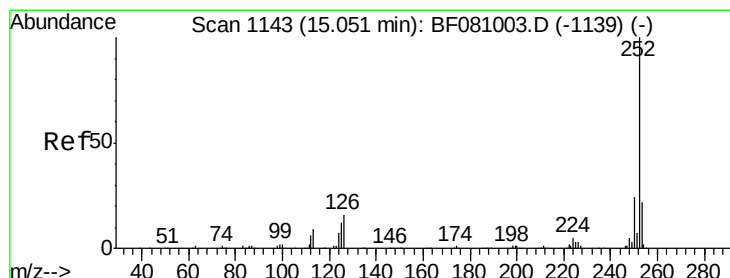
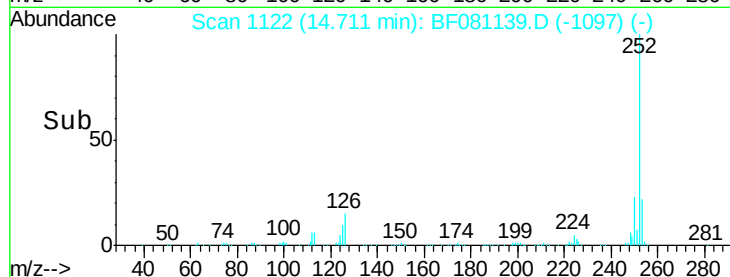
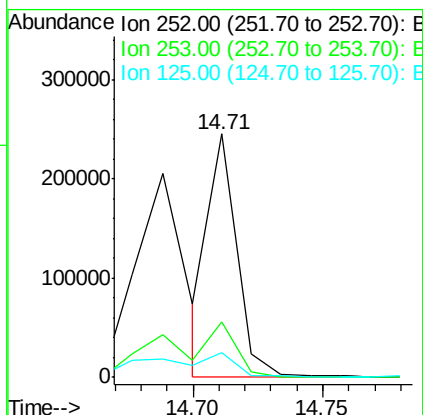
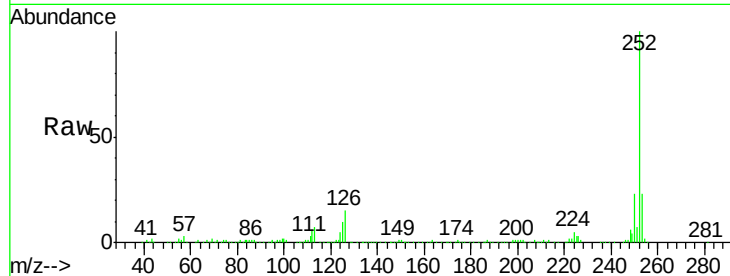
#88
Benzo(k)fluoranthene
Concen: 26.03 ng m
RT: 14.71 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	189287		
253	22.5	17.6	26.4	
125	10.4	10.3	15.5	

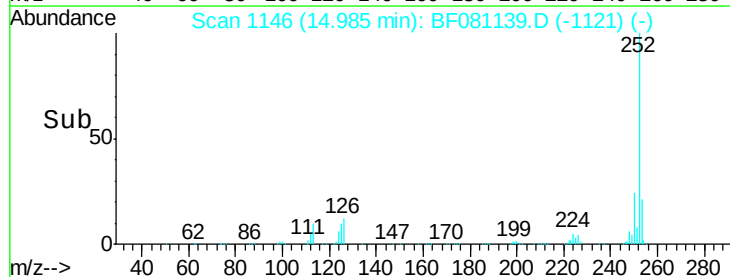
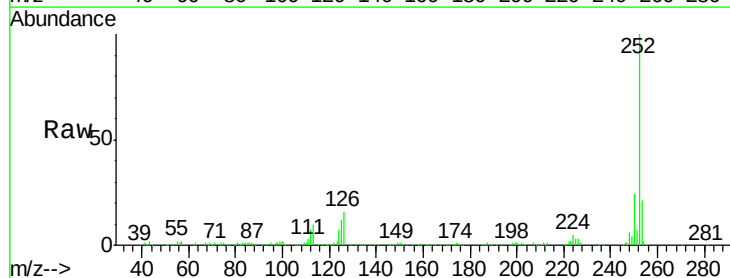
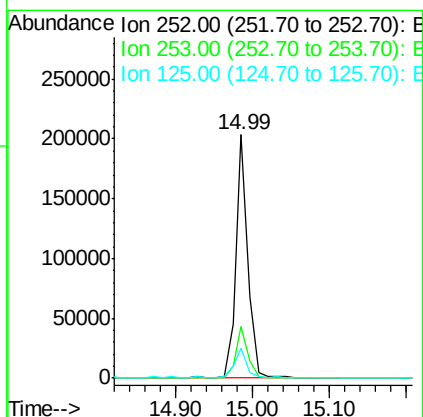
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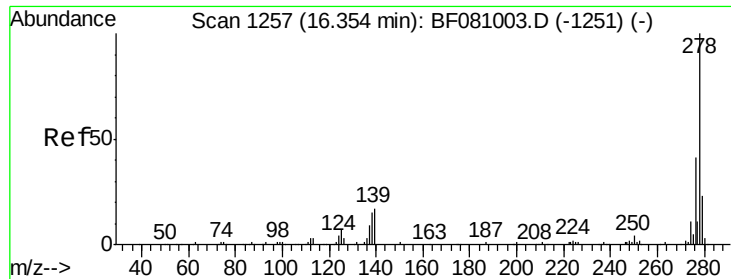
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#89
Benzo(a)pyrene
Concen: 33.48 ng
RT: 14.99 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	227700		
253	21.3	16.6	25.0	
125	12.2	7.8	11.8	





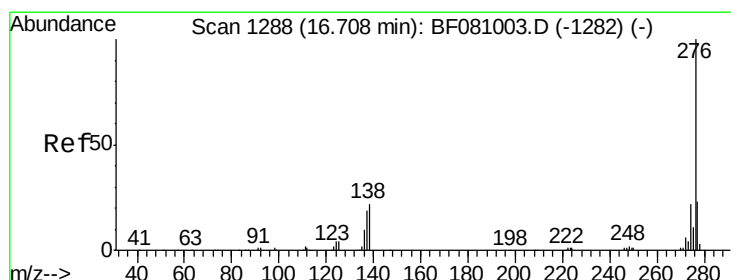
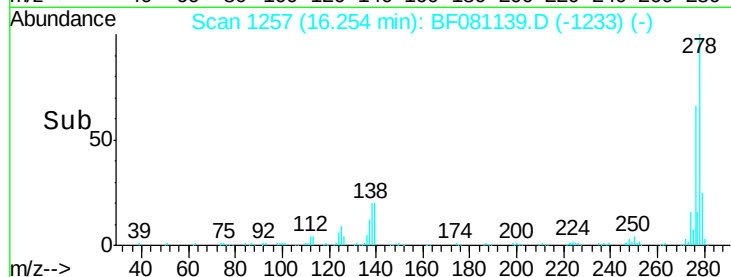
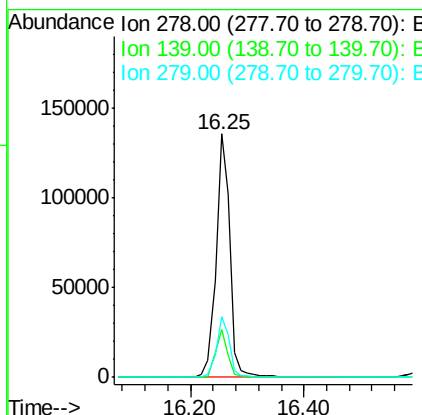
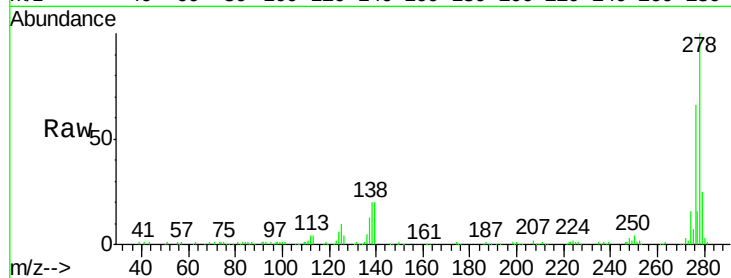
#90
Dibenzo(a,h)anthracene
Concen: 42.60 ng
RT: 16.25 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Instrument :
BNA_F
ClientSampleId :
A-PIPE(4)MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.8	10.8	16.2#
279	24.8	19.0	28.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 42.83 ng
RT: 16.60 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BF081139.D
Acq: 20 Aug 2015 22:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.2	27.2
138	26.2	13.7	20.5#

