

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043016\
 Data File : BF086551.D
 Acq On : 1 May 2016 5:14
 Operator : UM/SJ
 Sample : H2737-03MS
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HW-7-4-26-16MS

Manual Integrations
 APPROVED

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 5/2/2016 7:57:40 PM

Quant Time: May 02 03:32:29 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	135284	20.00	ng	-0.05
21) Naphthalene-d8	8.05	136	595844	20.00	ng	-0.05
38) Acenaphthene-d10	9.80	164	277970	20.00	ng	-0.05
63) Phenanthrene-d10	11.29	188	543827	20.00	ng	-0.03
75) Chrysene-d12	13.92	240	351725	20.00	ng	-0.05
86) Perylene-d12	15.31	264	313571	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	525648	67.02	ng	-0.03
7) Phenol-d6	6.41	99	476954	43.57	ng	-0.03
23) Nitrobenzene-d5	7.33	82	977650	88.44	ng	-0.05
41) 2,4,6-Tribromophenol	10.60	330	431743	147.28	ng	-0.03
44) 2-Fluorobiphenyl	9.14	172	1671884	112.34	ng	-0.03
78) Terphenyl-d14	12.87	244	1484727	93.00	ng	-0.05

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.34	88	67483	16.38	ng	# 76
3) Pyridine	3.07	79	94199m	9.66	ng	
4) n-Nitrosodimethylamine	2.97	42	107449	19.33	ng	# 59
6) Aniline	6.43	93	170061	12.84	ng	96
8) 2-Chlorophenol	6.54	128	345685	35.39	ng	# 77
9) Benzaldehyde	6.30	77	28009	4.40	ng	94
10) Phenol	6.42	94	173006	14.17	ng	82
11) bis(2-Chloroethyl)ether	6.50	93	441344	41.80	ng	# 83
12) 1,3-Dichlorobenzene	6.70	146	394371m	37.53	ng	
13) 1,4-Dichlorobenzene	6.78	146	423375	39.05	ng	97
14) 1,2-Dichlorobenzene	6.93	146	367565	36.97	ng	96
15) Benzyl Alcohol	6.91	79	231570	33.44	ng	89
16) 2,2'-oxybis(1-Chloropropan	7.05	45	921070	43.58	ng	89
17) 2-Methylphenol	7.04	107	253458	32.10	ng	# 94
18) Hexachloroethane	7.28	117	143829	35.50	ng	97
19) n-Nitroso-di-n-propylamine	7.18	70	344628	47.63	ng	# 68
20) 3+4-Methylphenols	7.18	107	248507	27.57	ng	# 67
22) Acetophenone	7.18	105	632388	48.40	ng	# 97
24) Nitrobenzene	7.36	77	539753	47.47	ng	97
25) Isophorone	7.60	82	951462	44.72	ng	98
26) 2-Nitrophenol	7.68	139	228542	43.65	ng	94
27) 2,4-Dimethylphenol	7.72	122	374883	40.81	ng	97
28) bis(2-Chloroethoxy)methane	7.81	93	580507	50.09	ng	99
29) 2,4-Dichlorophenol	7.92	162	346022	44.64	ng	98
30) 1,2,4-Trichlorobenzene	8.00	180	356737	39.67	ng	97
31) Naphthalene	8.08	128	1256023	41.43	ng	99
32) Benzoic acid	7.80	122	64751	18.29	ng	90
33) 4-Chloroaniline	8.13	127	111840	9.85	ng	98
34) Hexachlorobutadiene	8.19	225	179436	35.60	ng	97
35) Caprolactam	8.51	113	19126	7.40	ng	# 79
36) 4-Chloro-3-methylphenol	8.61	107	372059	41.92	ng	98
37) 2-Methylnaphthalene	8.76	142	811439	45.36	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.93	216	331760	41.70	ng	97
40) Hexachlorocyclopentadiene	8.92	237	287922	72.82	ng	94

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.05	196	244137	48.54	nq	95
43) 2,4,5-Trichlorophenol	9.09	196	242263	44.19	nq #	91
45) 1,1'-Biphenyl	9.23	154	977236	42.06	nq	96
46) 2-Chloronaphthalene	9.25	162	756408	42.82	nq	94
47) 2-Nitroaniline	9.36	65	312520	55.17	nq	93
48) Acenaphthylene	9.66	152	1183743	42.87	nq	99
49) Dimethylphthalate	9.54	163	969471	46.33	nq	99
50) 2,6-Dinitrotoluene	9.60	165	202044	46.74	nq #	80
51) Acenaphthene	9.84	154	854308	48.17	nq	99
52) 3-Nitroaniline	9.77	138	91387	18.59	nq	97
53) 2,4-Dinitrophenol	9.87	184	194560	82.08	nq #	74
54) Dibenzofuran	10.02	168	1096203	49.45	nq	94
55) 4-Nitrophenol	9.94	139	92939	28.87	nq	82
56) 2,4-Dinitrotoluene	10.00	165	272963	49.53	nq #	85
57) Fluorene	10.35	166	786359	40.86	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.13	232	226642	52.88	nq	97
59) Diethylphthalate	10.24	149	934528	47.18	nq	98
60) 4-Chlorophenyl-phenylether	10.35	204	395757	45.29	nq	87
61) 4-Nitroaniline	10.38	138	203072	42.25	nq	87
62) Azobenzene	10.51	77	1124328	51.82	nq	90
64) 4,6-Dinitro-2-methylphenol	10.41	198	149013	46.67	nq #	67
65) n-Nitrosodiphenylamine	10.48	169	755617	44.46	nq	99
66) 4-Bromophenyl-phenylether	10.84	248	246462	43.98	nq #	76
67) Hexachlorobenzene	10.90	284	273969	42.24	nq #	80
68) Atrazine	11.00	200	196522	38.50	nq	96
69) Pentachlorophenol	11.09	266	281232	82.24	nq	98
70) Phenanthrene	11.31	178	1201131	42.09	nq	99
71) Anthracene	11.37	178	1415000	46.46	nq	99
72) Carbazole	11.52	167	1178200	43.65	nq	99
73) Di-n-butylphthalate	11.86	149	1466238	47.95	nq	100
74) Fluoranthene	12.50	202	1328888	46.13	nq	90
77) Pyrene	12.72	202	1240374	48.94	nq	100
79) Butylbenzylphthalate	13.35	149	544601	49.62	nq #	77
80) Benzo(a)anthracene	13.91	228	911281	48.60	nq	99
81) 3,3'-Dichlorobenzidine	13.87	252	79352	6.33	nq #	97
82) Chrysene	13.94	228	828091	40.63	nq	99
83) Bis(2-ethylhexyl)phthalate	13.91	149	592136	43.46	nq	97
84) Di-n-octyl phthalate	14.51	149	946958	44.38	nq #	88
85) Indeno(1,2,3-cd)pyrene	16.65	276	968635	64.13	nq	97
87) Benzo(b)fluoranthene	14.92	252	948458m	51.42	nq	
88) Benzo(k)fluoranthene	14.95	252	697461m	36.25	nq	
89) Benzo(a)pyrene	15.25	252	787198	45.20	nq	99
90) Dibenzo(a,h)anthracene	16.66	278	810663	56.88	nq	99
91) Benzo(g,h,i)perylene	17.05	276	829021	58.04	nq	95

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

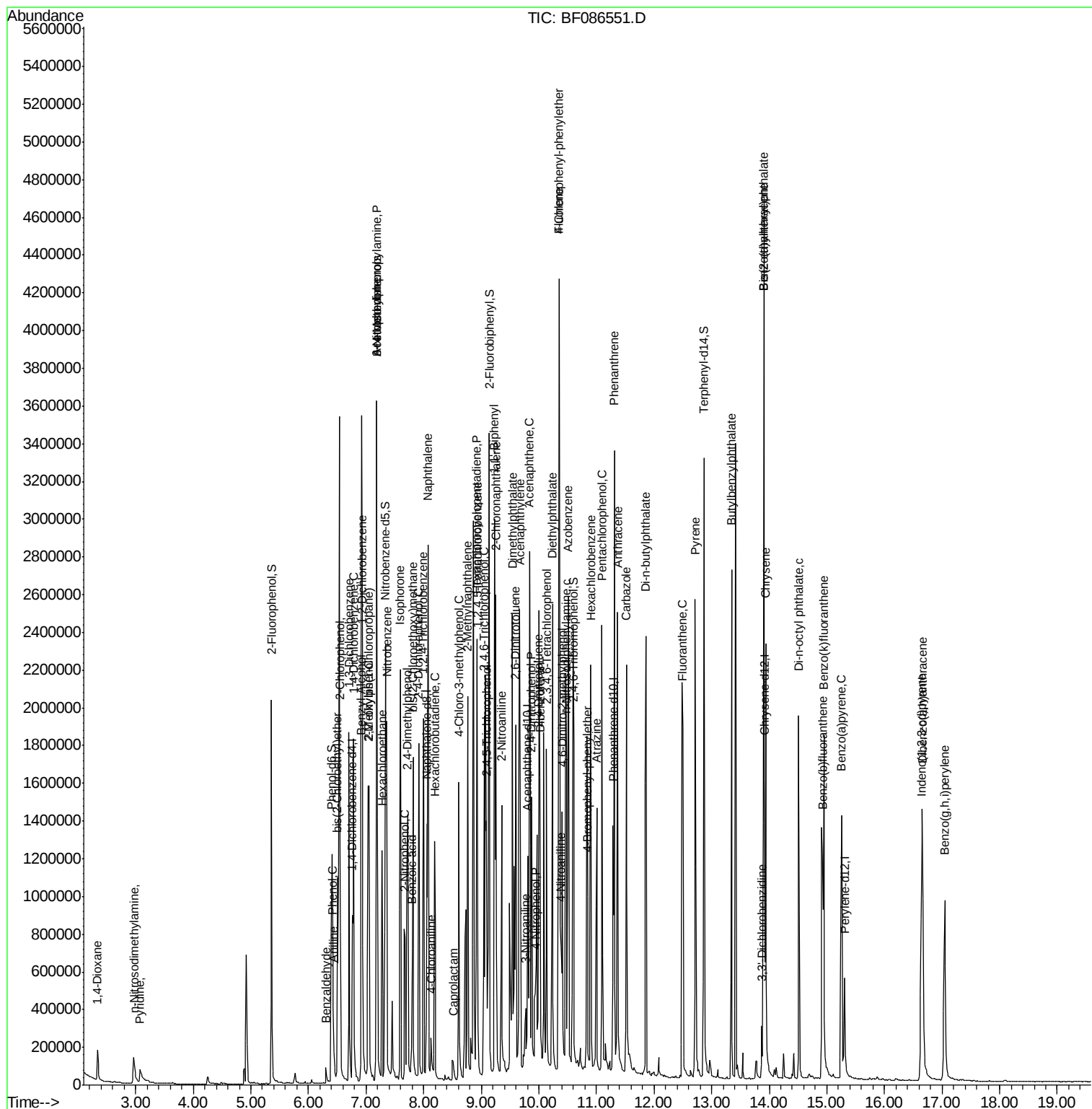
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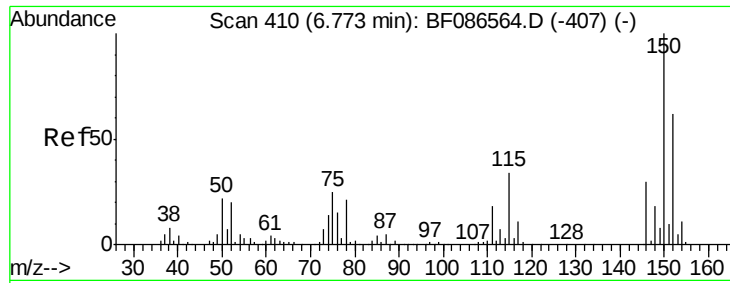
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.05 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Instrument :

BNA_F

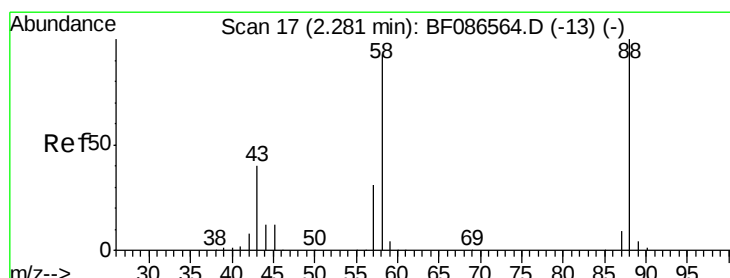
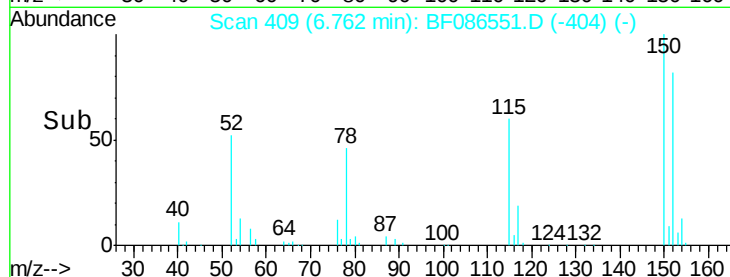
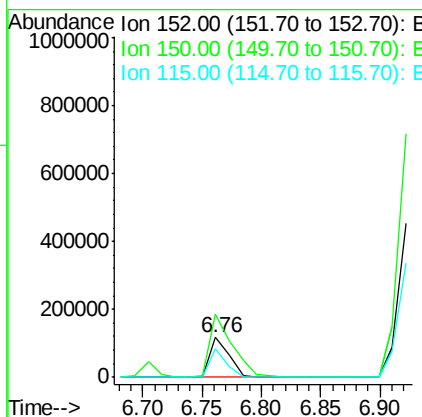
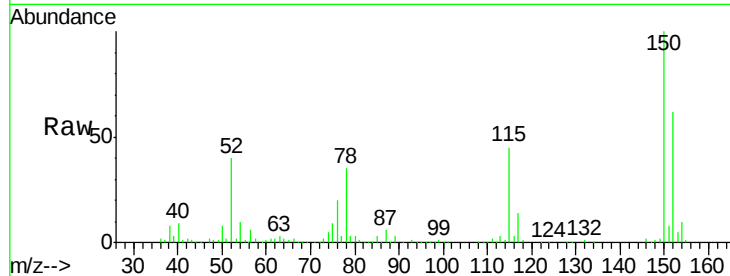
ClientSampleId :

HW-7-4-26-16MS

Tot Ion:	152	Resp:	135284
Ion Ratio	Lower	Upper	
152	100		
150	160.2	125.8	188.6
115	72.9	51.5	77.3

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#2

1,4-Dioxane

Concen: 16.38 ng

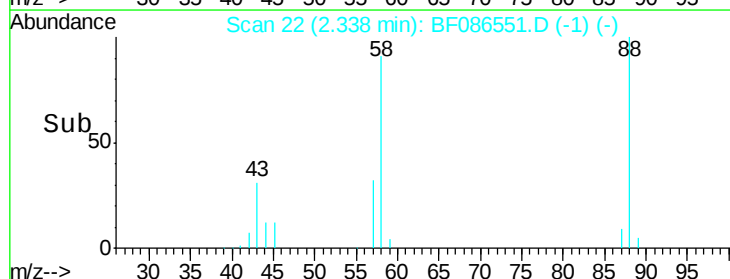
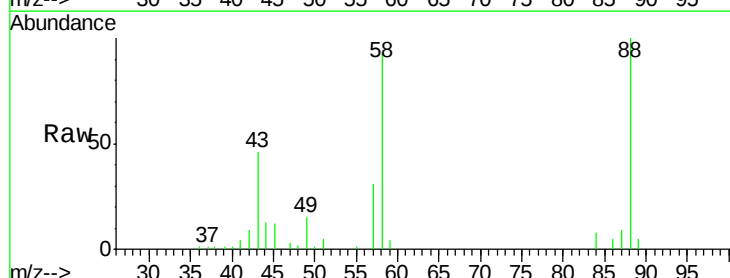
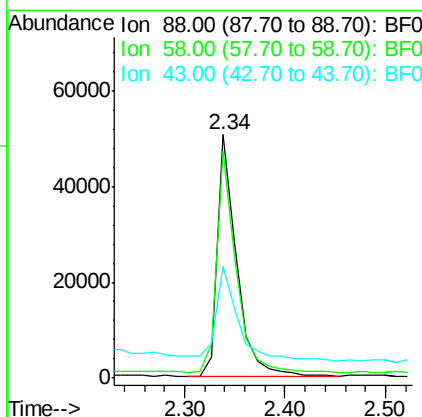
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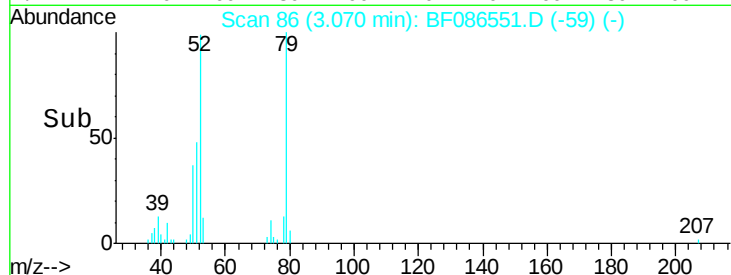
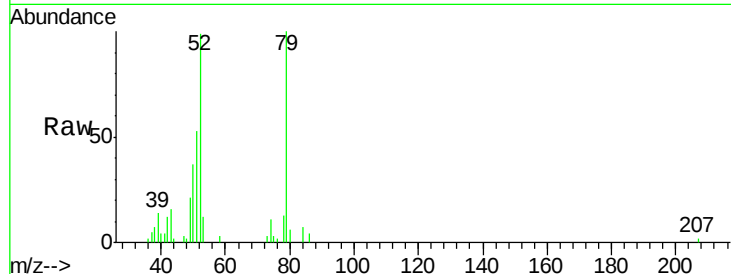
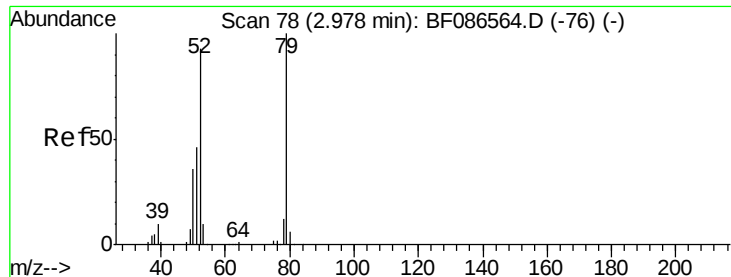
Delta R.T. -0.02 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Tgt Ion:	88	Resp:	67483
Ion Ratio	Lower	Upper	
88	100		
58	91.8	59.6	89.4#
43	44.8	21.8	32.6#





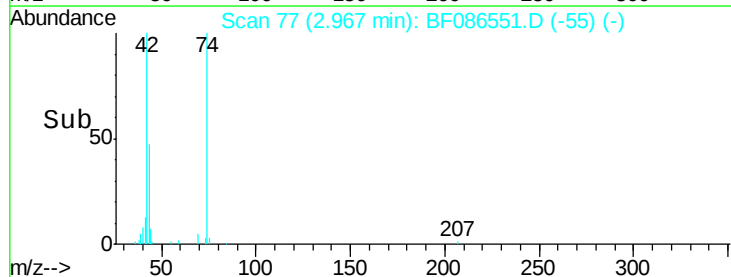
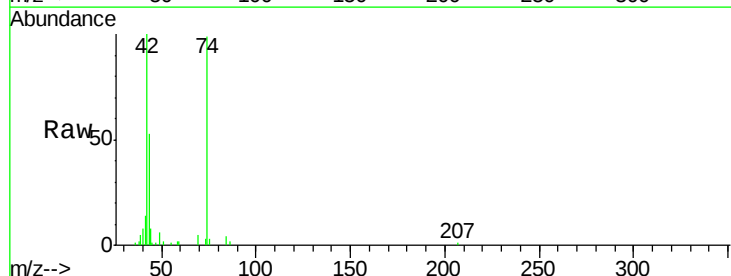
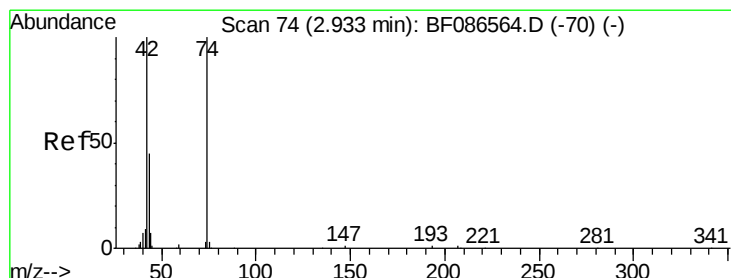
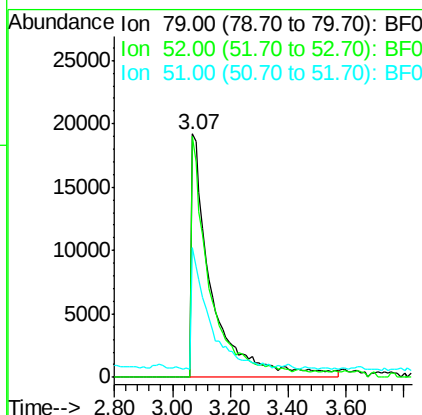
#3
Pvridine
Concen: 9.66 ng/ml
RT: 3.07 min Scan# 86
Delta R.T. 0.01 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tot Ion	Ratio	Lower	Upper
79	100		
52	98.8	55.9	83.9#
51	53.3	28.1	42.1#

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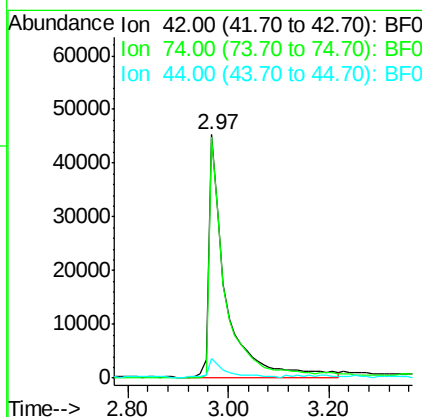
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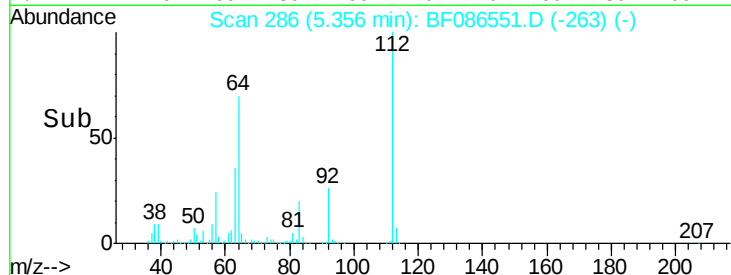
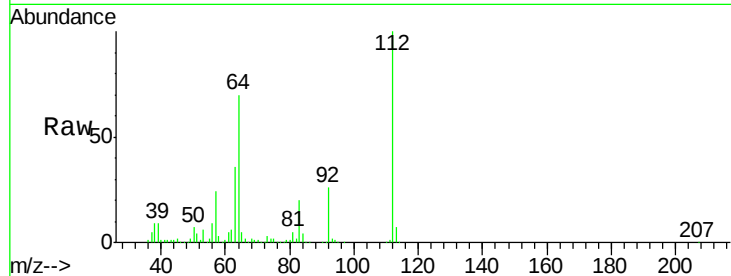
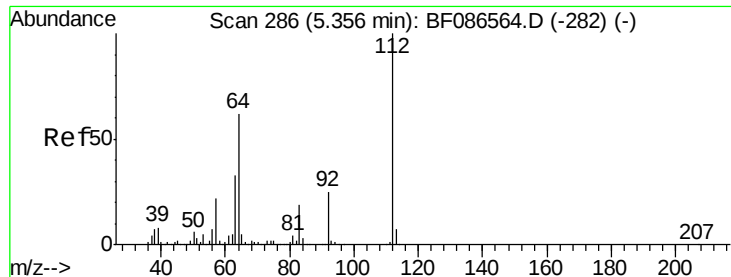
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#4
n-Nitrosodimethylamine
Concen: 19.33 ng
RT: 2.97 min Scan# 77
Delta R.T. -0.05 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Lower	Upper
42	100		
74	99.0	123.4	185.0#
44	7.9	5.8	8.6





#5

2-Fluorophenol

Concen: 67.02 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.03 min

Lab File: BF086551.D

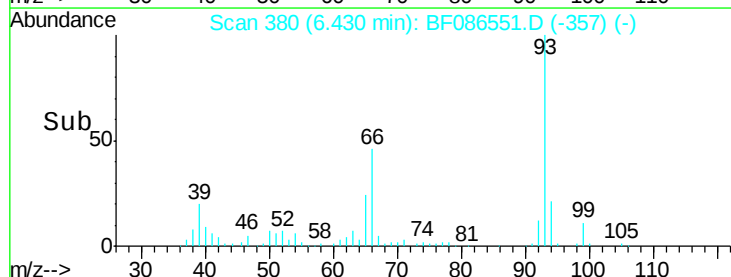
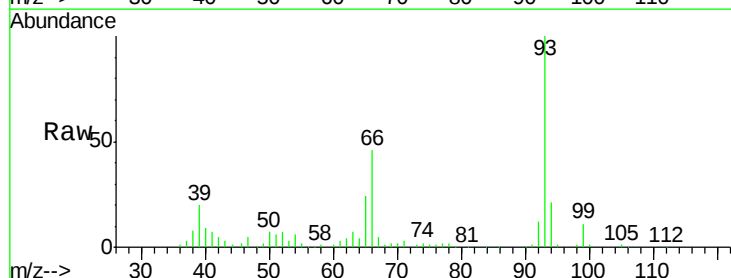
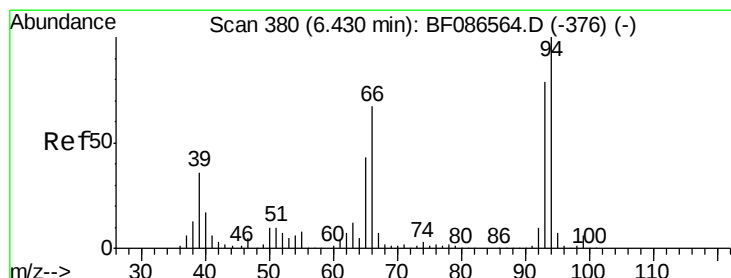
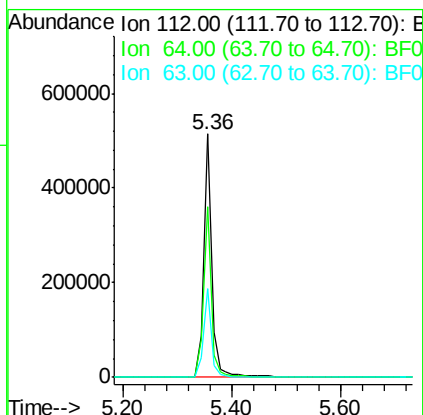
Acq: 1 May 2016 5:14

Tot Ion:	112	Resp:	525648
Ion Ratio	Lower	Upper	
112	100		
64	70.2	52.1	78.1
63	36.4	25.7	38.5

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#6

Aniline

Concen: 12.84 ng

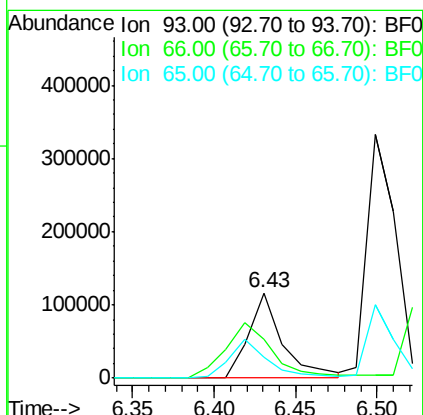
RT: 6.43 min Scan# 380

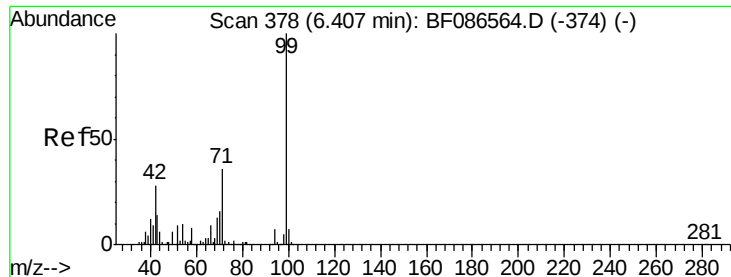
Delta R.T. -0.03 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Tgt Ion:	93	Resp:	170061
Ion Ratio	Lower	Upper	
93	100		
66	45.6	39.0	58.6
65	24.0	20.6	31.0





#7

Phenol-d6

Concen: 43.57 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Instrument :

BNA_F

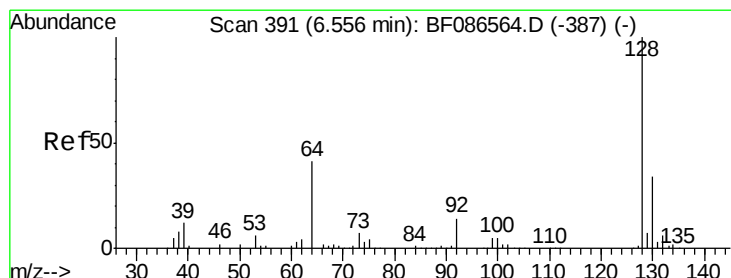
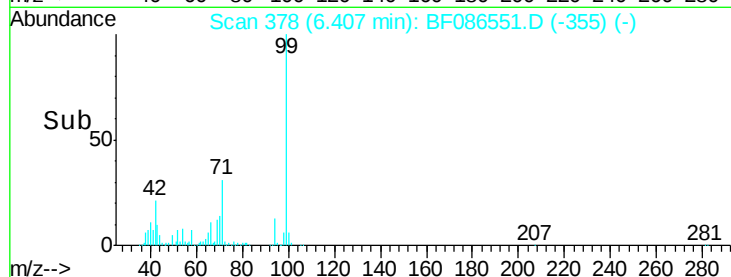
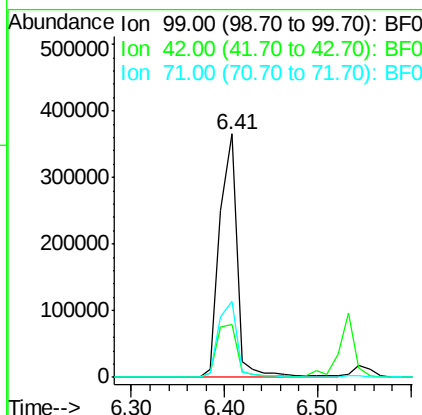
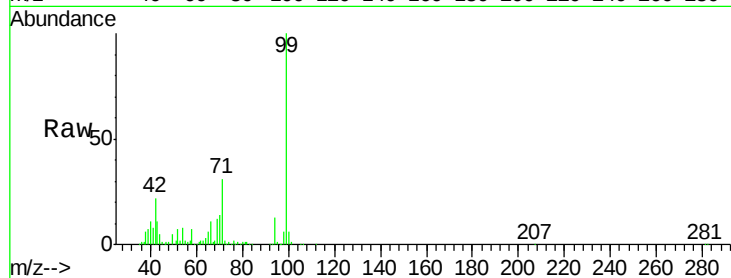
ClientSampleId :

HW-7-4-26-16MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		476954		
42	21.5	13.6	20.4#		
71	31.3	24.6	36.8		

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#8

2-Chlorophenol

Concen: 35.39 ng

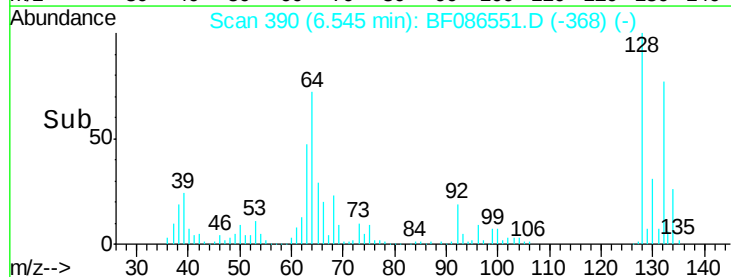
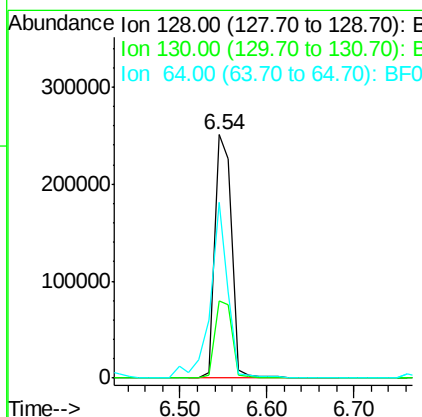
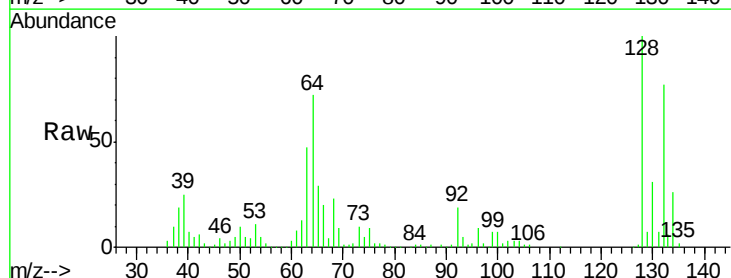
RT: 6.54 min Scan# 390

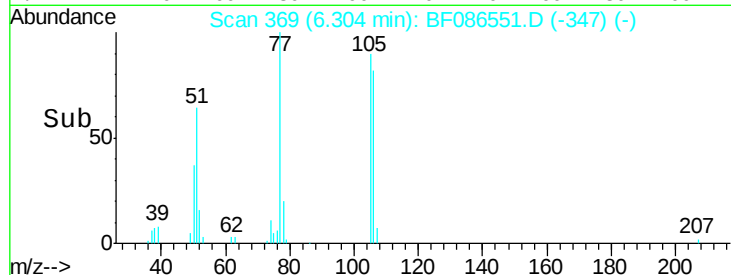
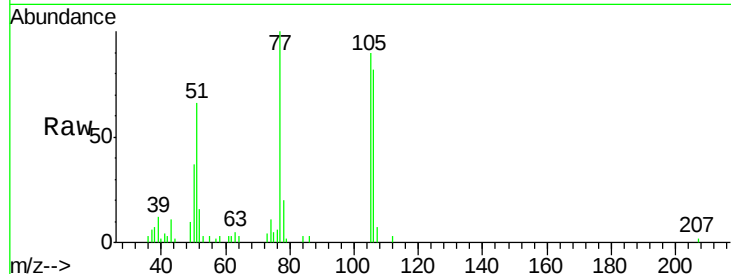
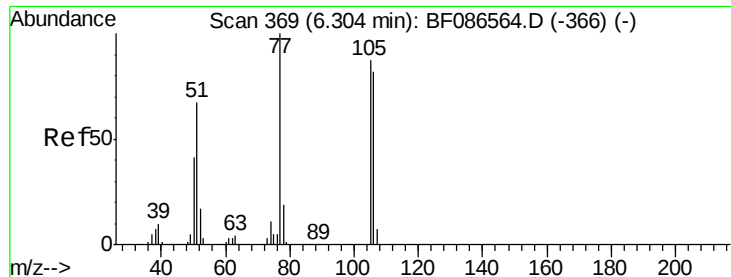
Delta R.T. -0.05 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		345685		
130	31.5	12.5	52.5		
64	72.0	27.3	67.3#		





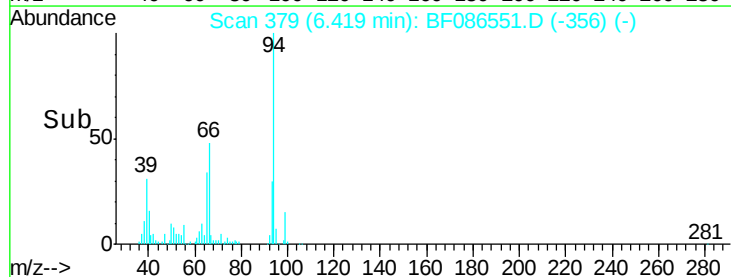
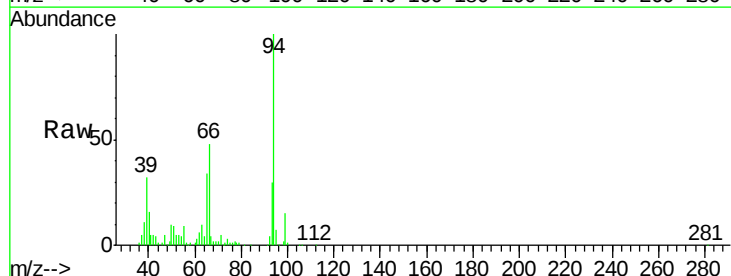
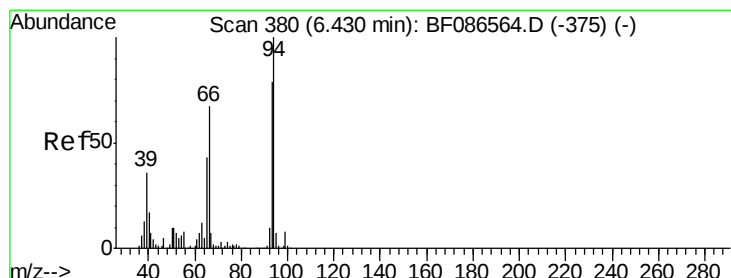
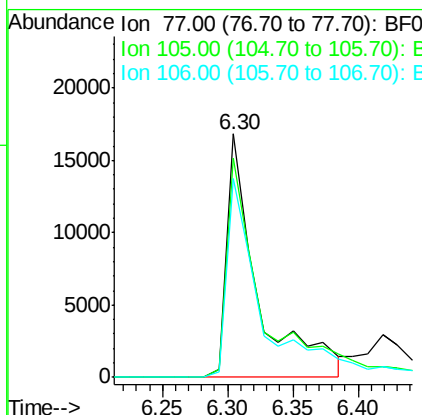
#9
Benzaldehyde
Concen: 4.40 ng
RT: 6.30 min Scan# 369
Delta R.T. -0.05 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tot Ion	Ratio	Lower	Upper
77	100		
105	89.8	72.7	112.7
106	81.8	70.8	110.8

Instrument :
BNA_F
ClientSampleId :
HW-7-4-26-16MS

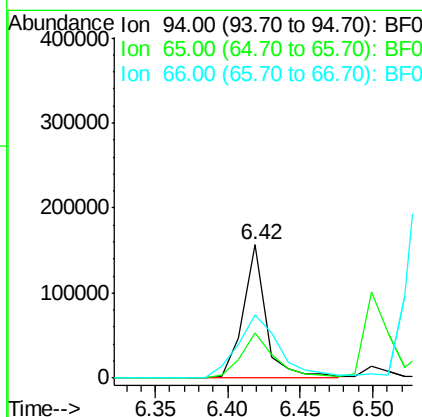
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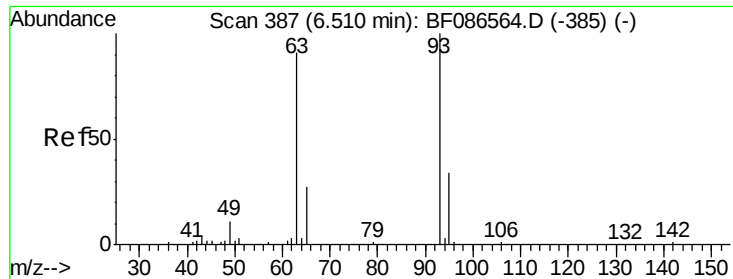
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#10
Phenol
Concen: 14.17 ng
RT: 6.42 min Scan# 379
Delta R.T. -0.03 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Lower	Upper
94	100		
65	34.0	7.2	47.2
66	47.8	14.9	54.9





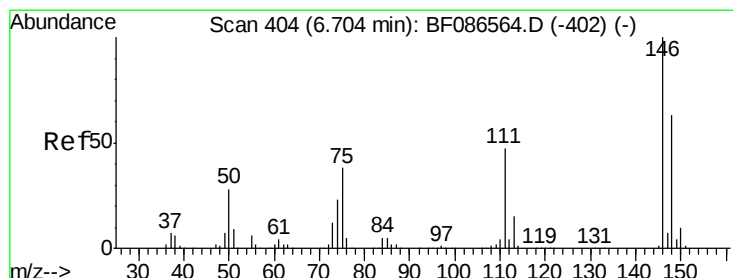
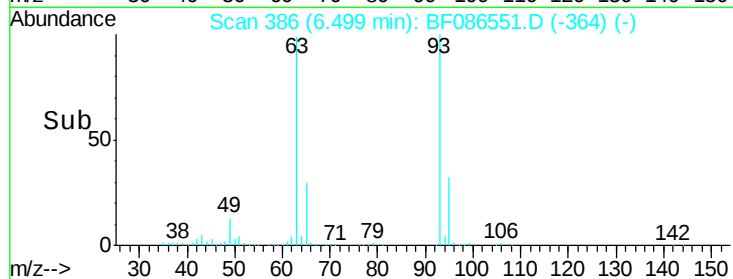
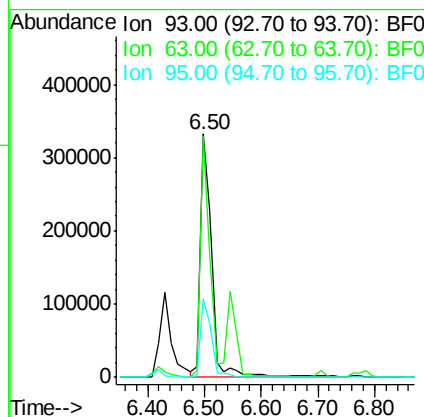
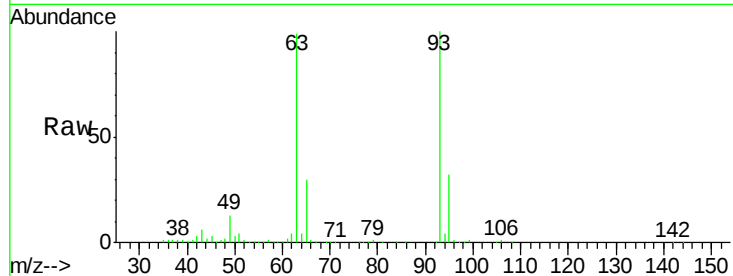
#11
bis(2-Chloroethyl)ether
Concen: 41.80 ng
RT: 6.50 min Scan# 386
Delta R.T. -0.05 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Instrument :
BNA_F
ClientSampleId :
HW-7-4-26-16MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		441344		
63	99.1	58.0	98.0#		
95	32.1	11.9	51.9		

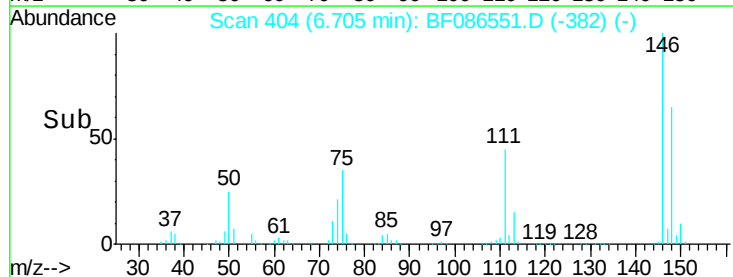
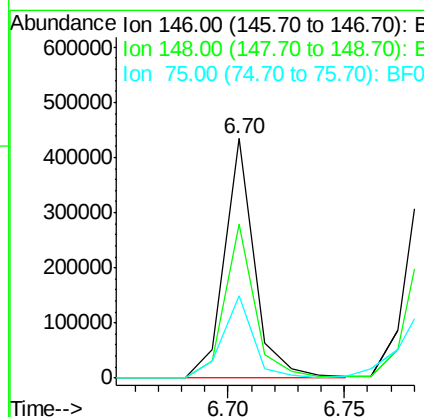
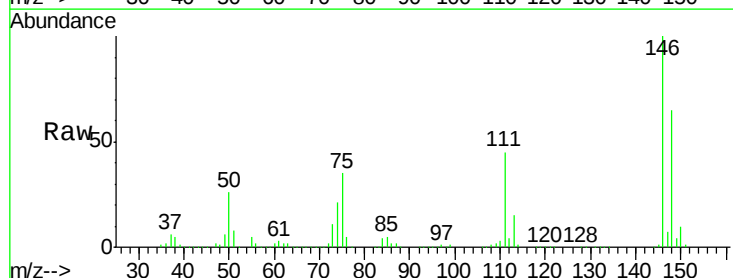
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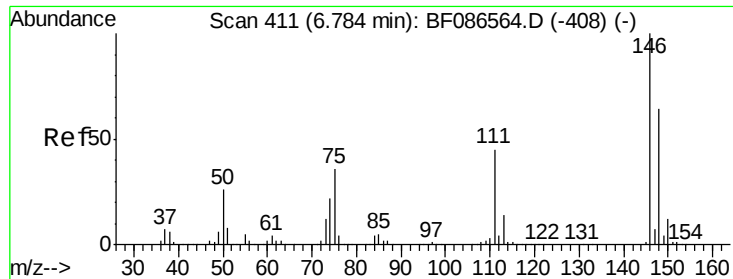
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#12
1,3-Dichlorobenzene
Concen: 37.53 ng m
RT: 6.70 min Scan# 404
Delta R.T. -0.05 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		394371		
148	64.5	52.4	78.6		
75	34.5	22.8	34.2#		





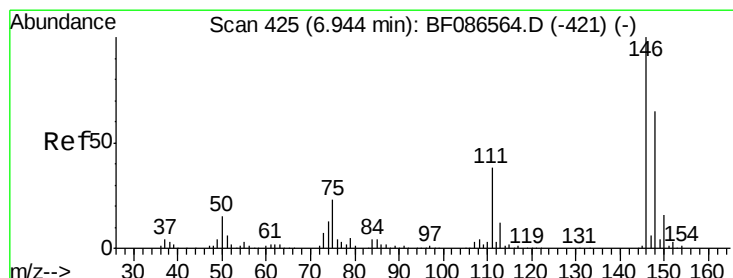
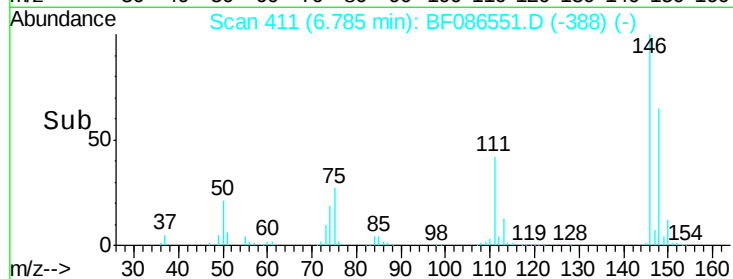
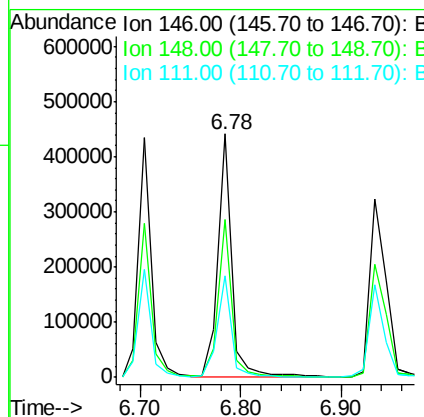
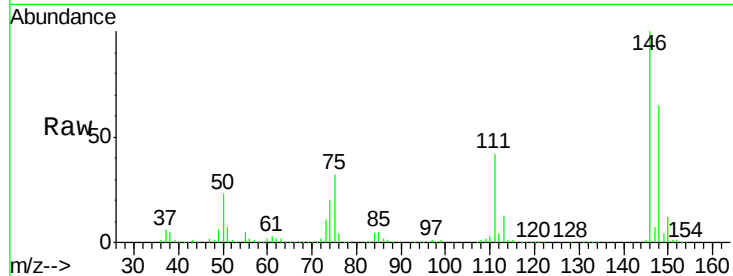
#13
 1,4-Dichlorobenzene
 Concen: 39.05 ng
 RT: 6.78 min Scan# 411
 Delta R.T. -0.03 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Instrument :
 BNA_F
 ClientSampleId :
 HW-7-4-26-16MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.2	78.4
111	41.9	30.7	46.1

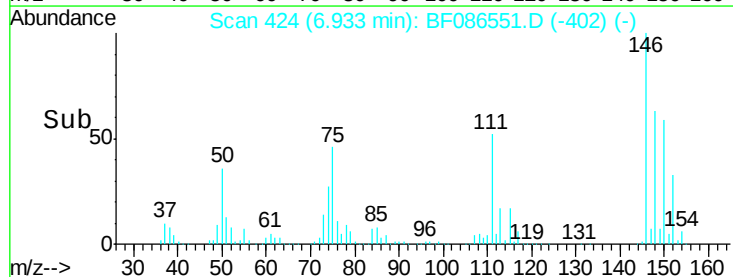
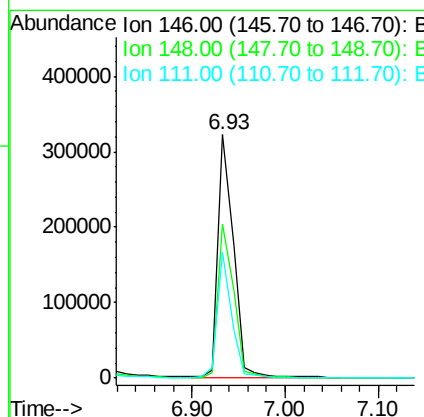
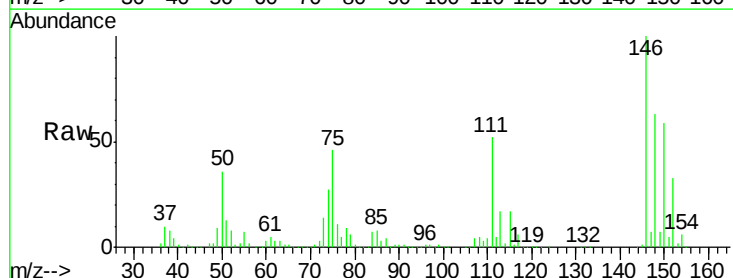
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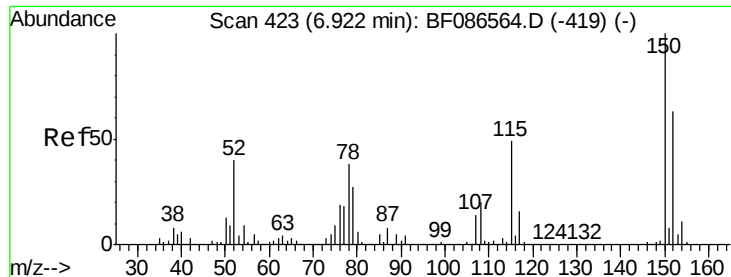
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#14
 1,2-Dichlorobenzene
 Concen: 36.97 ng
 RT: 6.93 min Scan# 424
 Delta R.T. -0.05 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.0	76.6
111	51.9	36.2	54.4





#15

Benzyl Alcohol

Concen: 33.44 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.05 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Instrument :

BNA_F

ClientSampleId :

HW-7-4-26-16MS

Tot Ion: 79 Resp: 231570

Ion Ratio Lower Upper

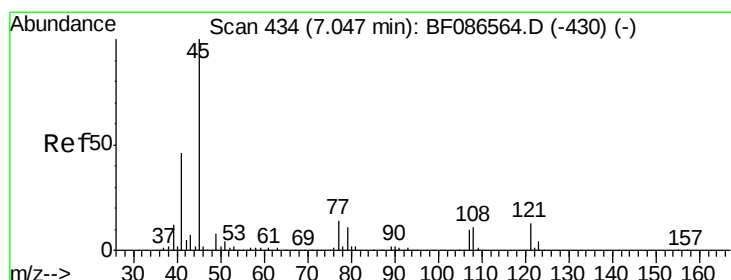
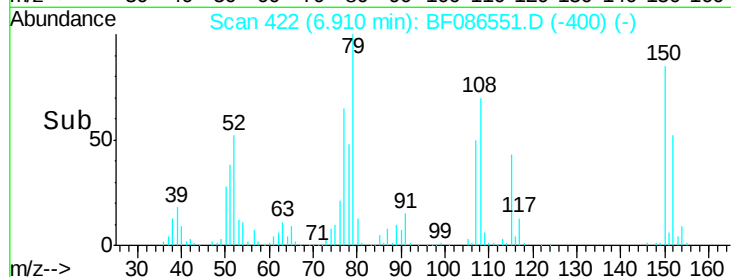
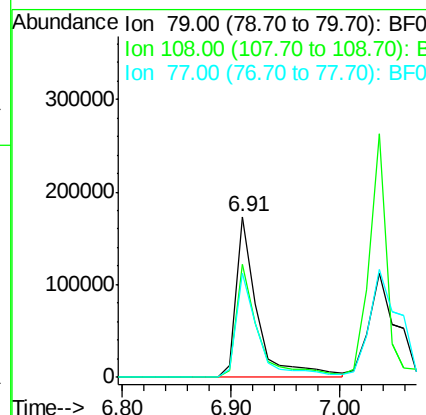
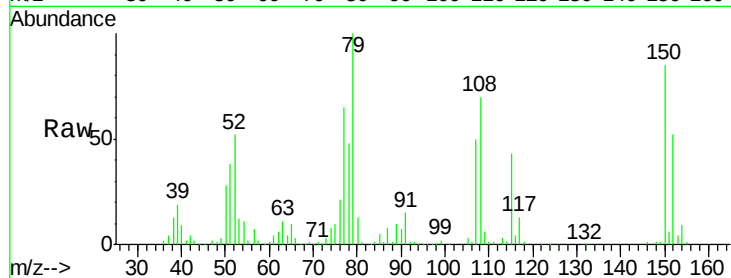
79 100

108 70.1 68.4 102.6

77 64.9 50.6 76.0

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#16

2,2'-oxybis(1-chloropropane)

Concen: 43.58 ng

RT: 7.05 min Scan# 434

Delta R.T. -0.05 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

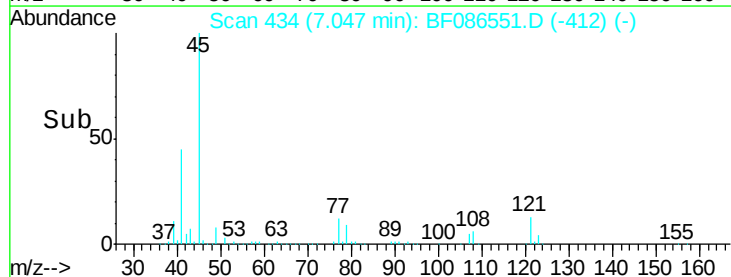
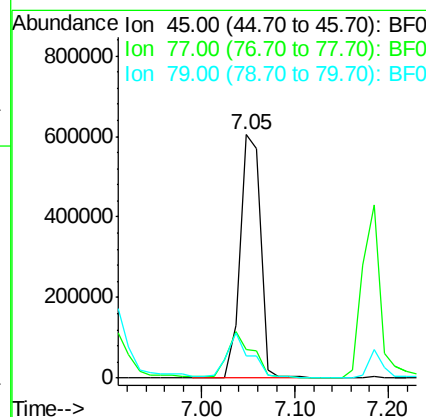
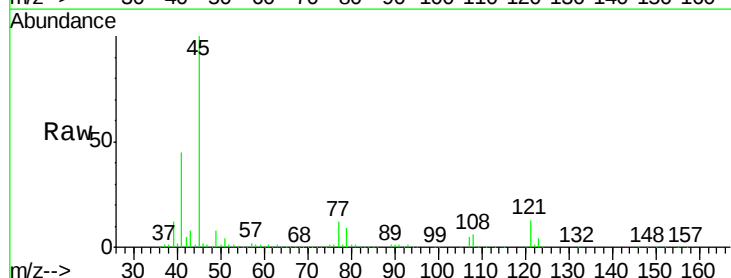
Tgt Ion: 45 Resp: 921070

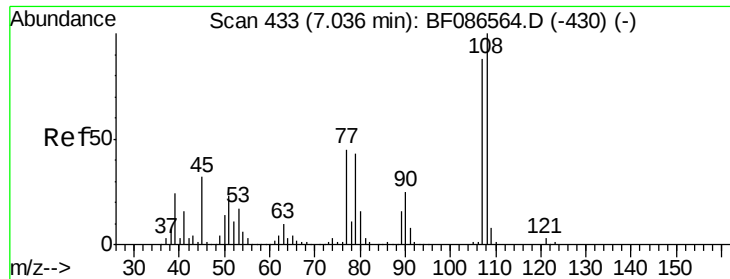
Ion Ratio Lower Upper

45 100

77 11.7 0.0 36.4

79 9.4 0.0 33.4





#17

2-Methylphenol

Concen: 32.10 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.03 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Instrument :

BNA_F

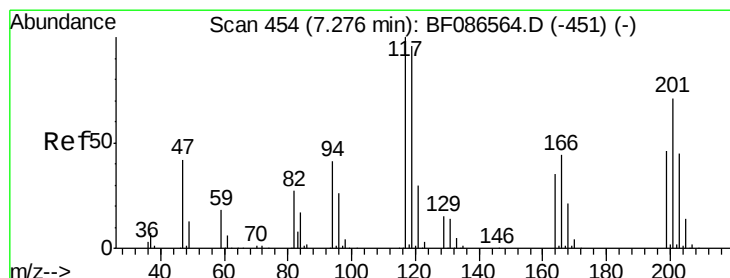
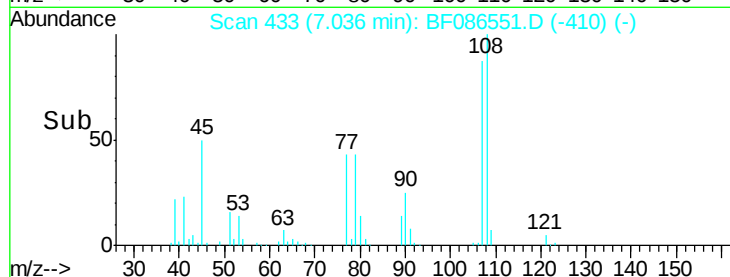
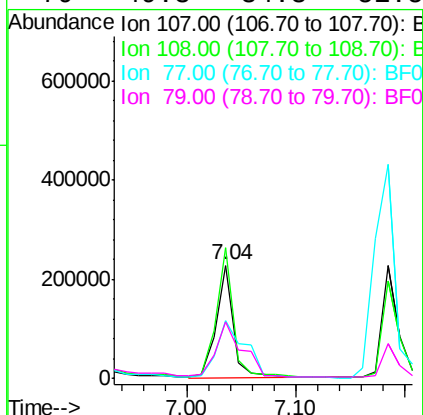
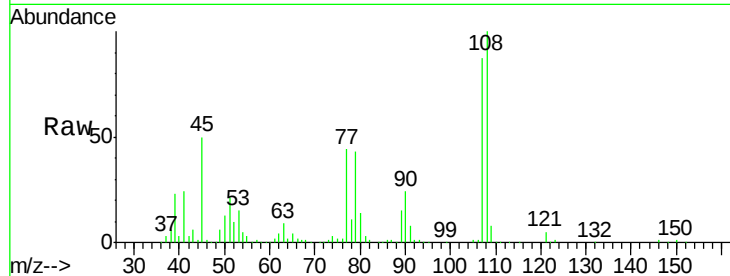
ClientSampleId :

HW-7-4-26-16MS

Tot Ion:	107	Resp:	253458
Ion Ratio	Lower	Upper	
107	100		
108	114.9	93.7	140.5
77	50.9	33.4	50.0#
79	49.3	34.3	51.5

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#18

Hexachloroethane

Concen: 35.50 ng

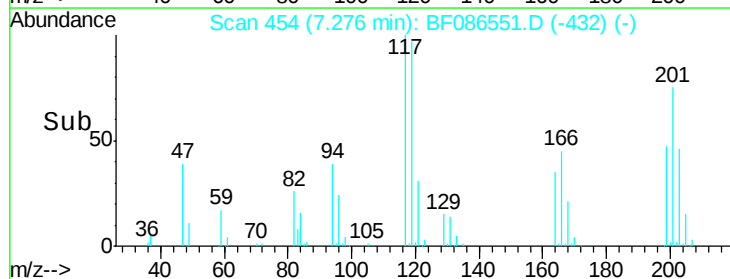
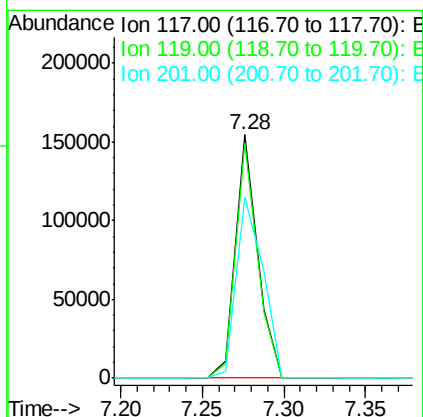
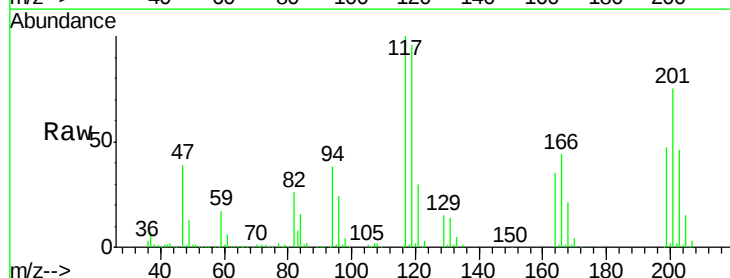
RT: 7.28 min Scan# 454

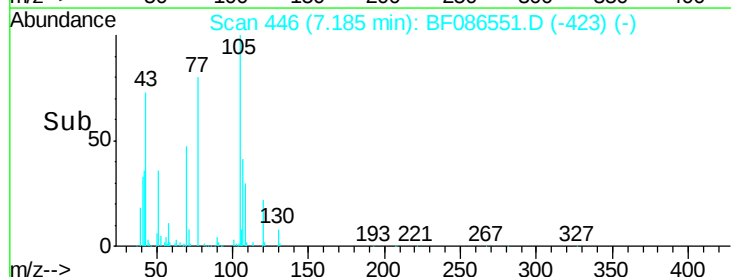
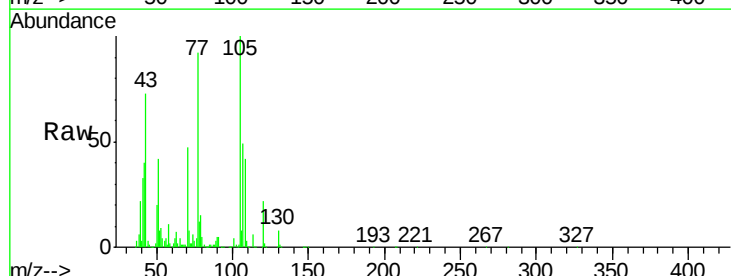
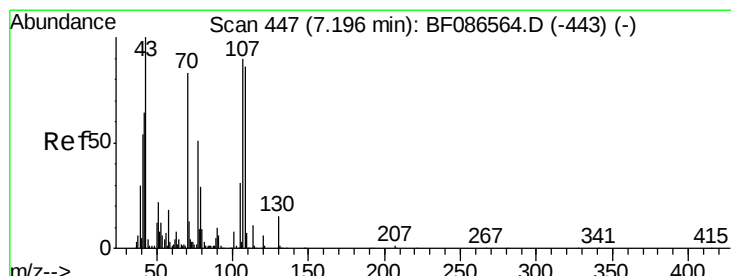
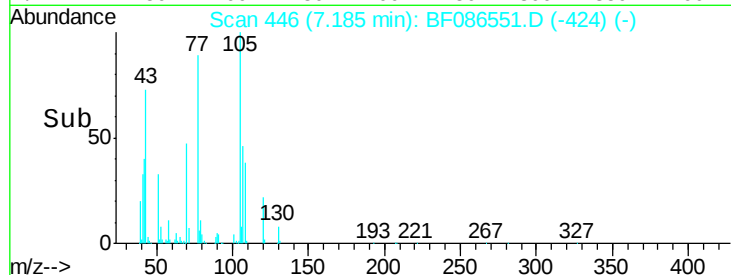
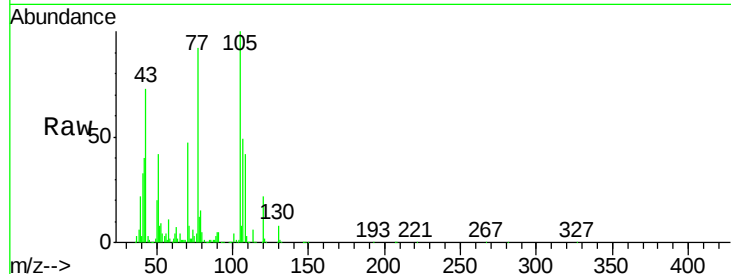
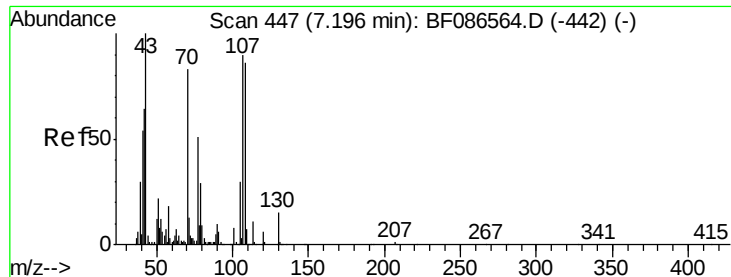
Delta R.T. -0.05 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Tgt Ion:	117	Resp:	143829
Ion Ratio	Lower	Upper	
117	100		
119	96.3	76.5	114.7
201	74.6	63.0	94.6





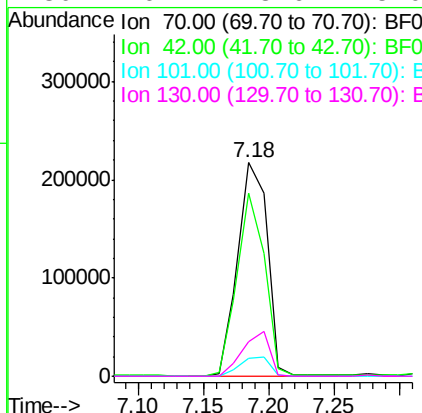
#19
n-Nitroso-di-n-propylamine
Concen: 47.63 ng
RT: 7.18 min Scan# 446
Delta R.T. -0.05 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Instrument :
BNA_F
ClientSampleId :
HW-7-4-26-16MS

Tot Ion	Ratio	Resp Lower	Upper
70	100		
42	85.6	43.1	64.7#
101	8.6	8.1	12.1
130	16.2	18.6	28.0#

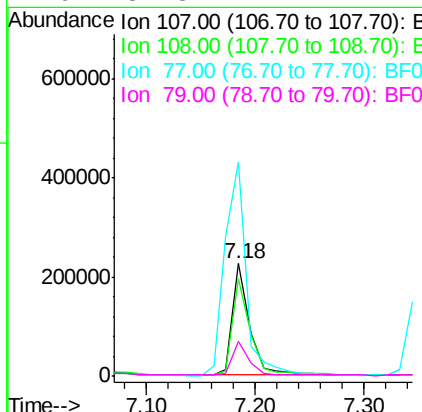
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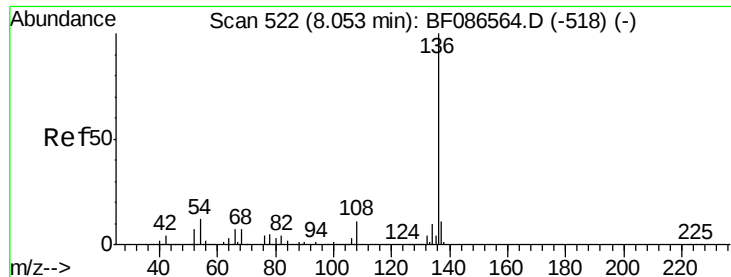
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#20
3+4-Methylphenols
Concen: 27.57 ng
RT: 7.18 min Scan# 446
Delta R.T. -0.03 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Resp Lower	Upper
107	100		
108	86.3	68.5	108.5
77	190.1	101.6	141.6#
79	31.3	7.4	47.4





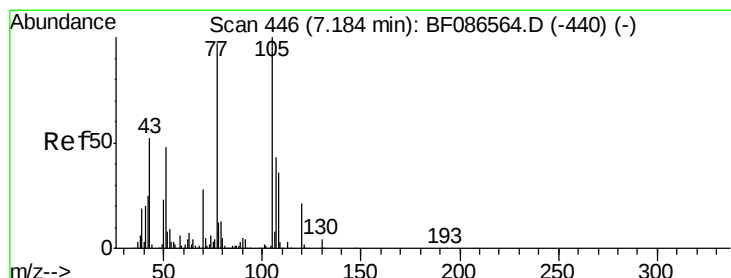
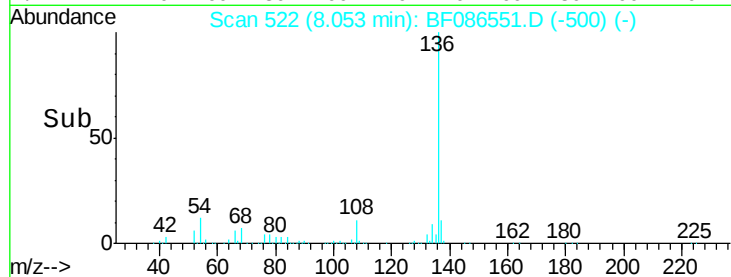
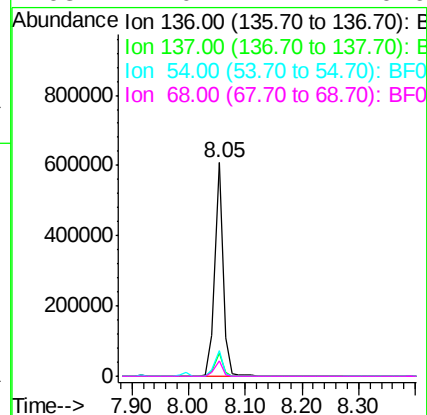
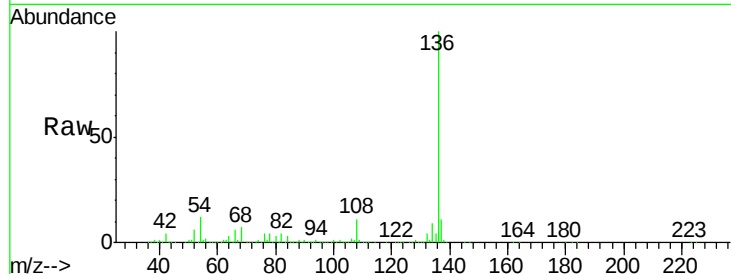
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.05 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Instrument :
BNA_F
ClientSampleId :
HW-7-4-26-16MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	595844		
137	11.1	8.8	13.2	
54	12.0	5.0	7.4	#
68	7.0	4.4	6.6	#

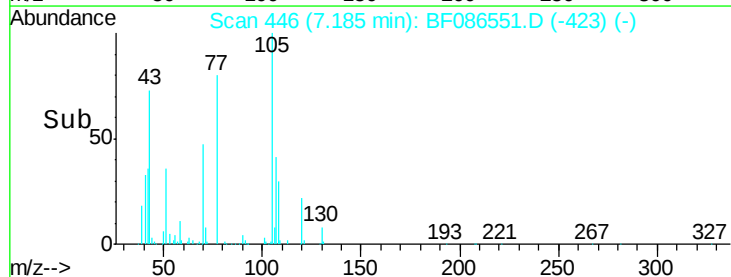
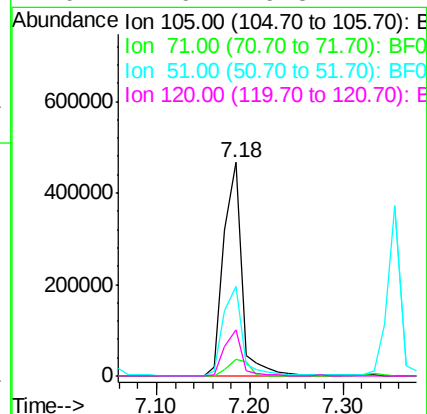
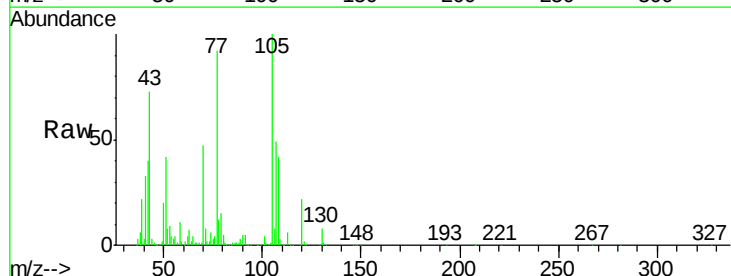
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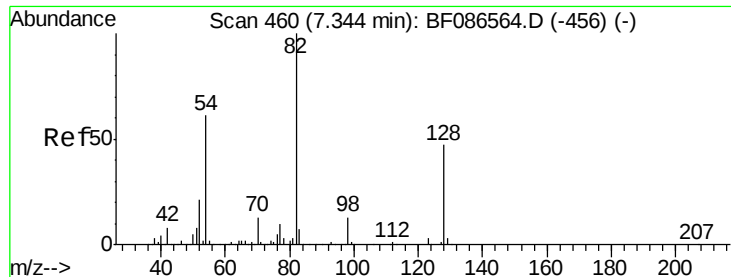
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#22
Acetophenone
Concen: 48.40 ng
RT: 7.18 min Scan# 446
Delta R.T. -0.03 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	632388		
71	7.9	4.8	7.2	#
51	42.2	32.6	49.0	
120	21.9	16.5	24.7	





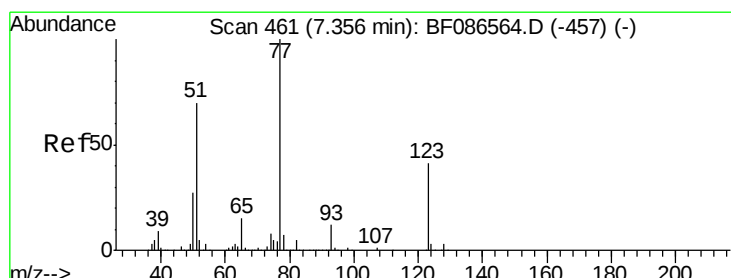
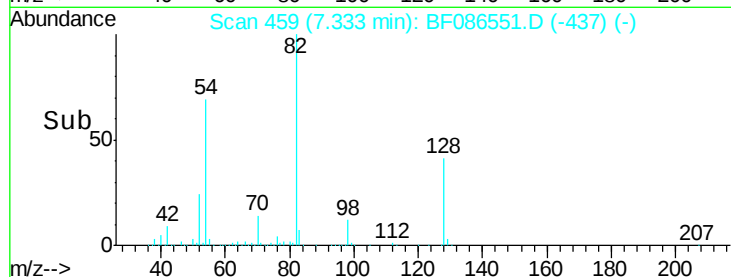
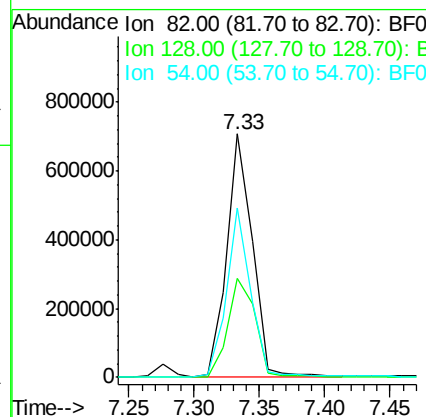
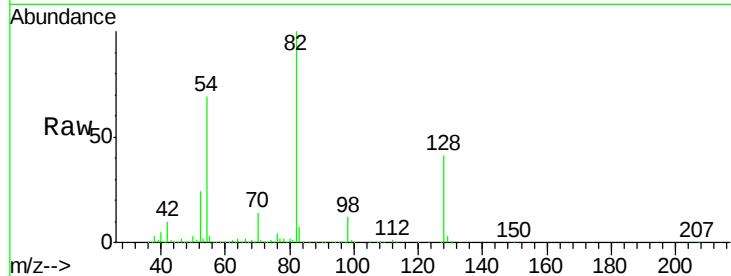
#23
 Nitrobenzene-d5
 Concen: 88.44 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.05 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Instrument :
 BNA_F
 ClientSampleId :
 HW-7-4-26-16MS

Tot Ion	Ratio	Resp	Lower	Upper
82	100	977650		
128	40.5		40.6	61.0#
54	69.5		38.1	57.1#

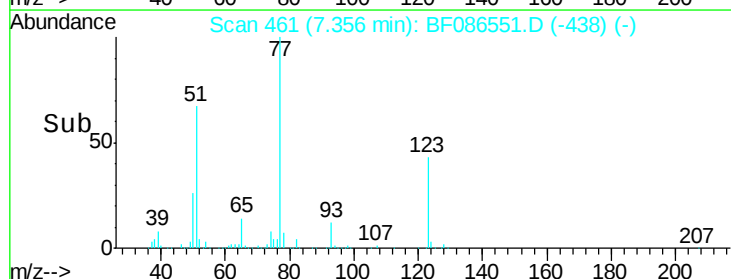
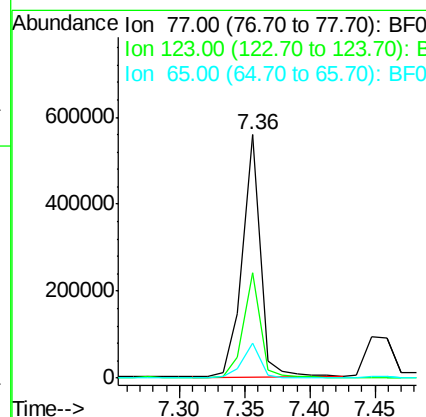
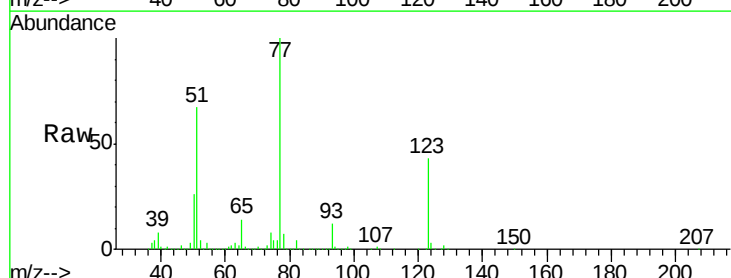
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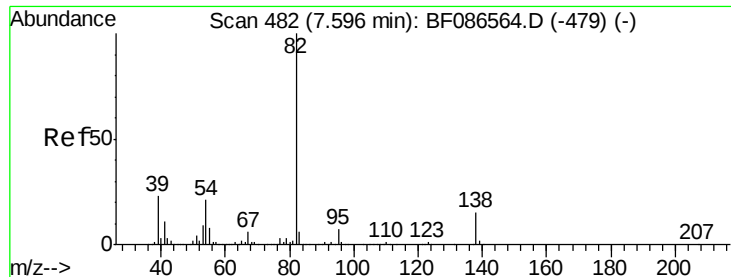
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#24
 Nitrobenzene
 Concen: 47.47 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.03 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	539753		
123	43.3		33.0	49.4
65	14.5		10.8	16.2





#25

Isophorone

Concen: 44.72 ng

RT: 7.60 min Scan# 482

Delta R.T. -0.05 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Instrument :

BNA_F

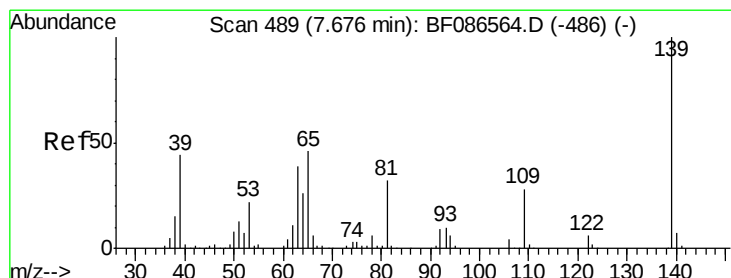
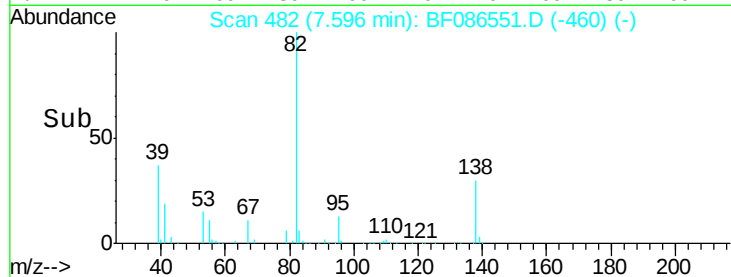
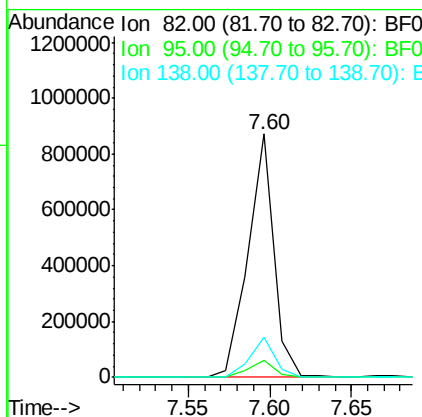
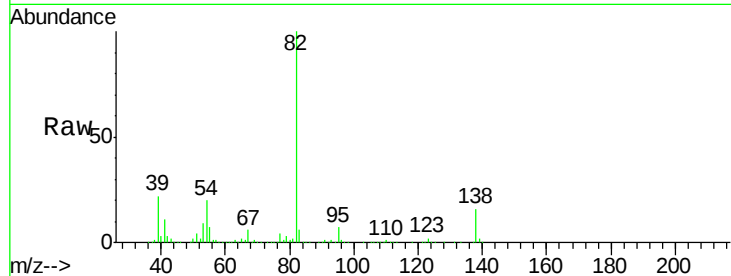
ClientSampleId :

HW-7-4-26-16MS

Tot Ion:	82	Resp:	951462
Ion Ratio	Lower	Upper	
82	100		
95	7.1	5.1	7.7
138	16.4	12.4	18.6

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#26

2-Nitrophenol

Concen: 43.65 ng

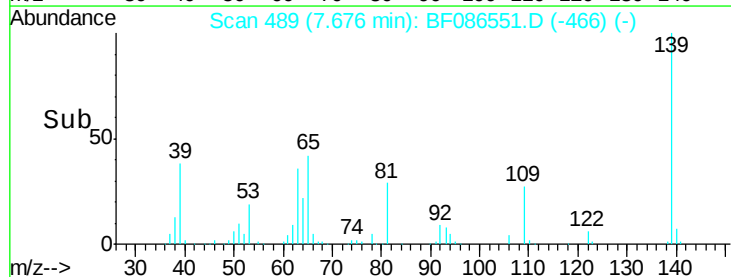
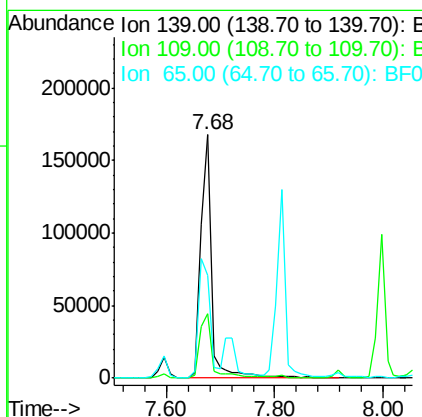
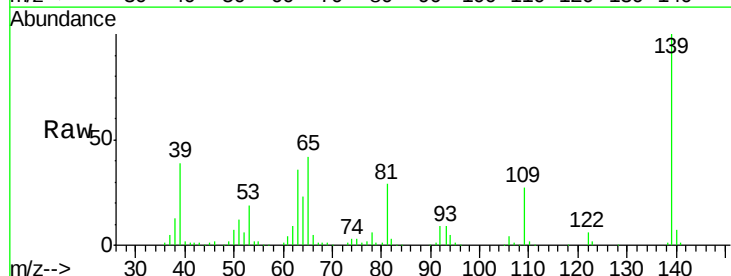
RT: 7.68 min Scan# 489

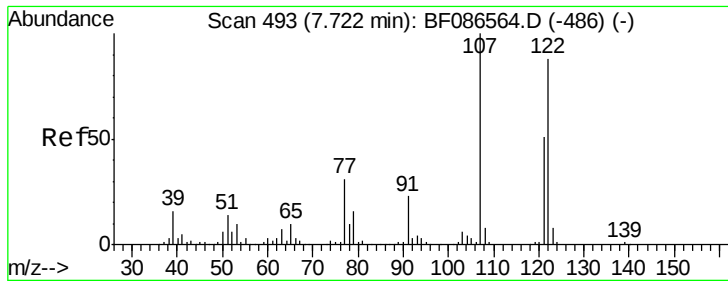
Delta R.T. -0.03 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Tgt Ion:	139	Resp:	228542
Ion Ratio	Lower	Upper	
139	100		
109	26.6	19.5	29.3
65	42.3	37.5	56.3





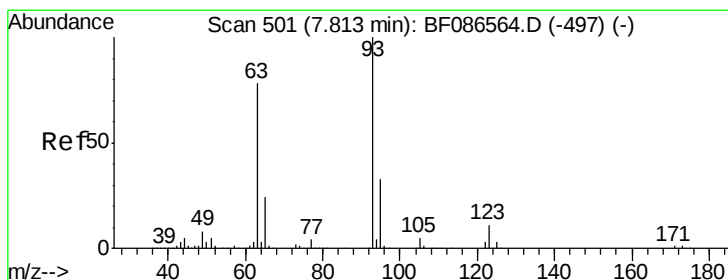
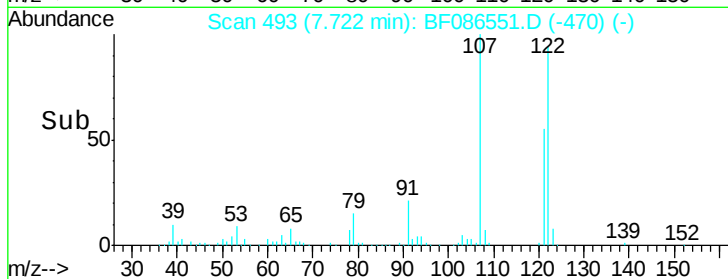
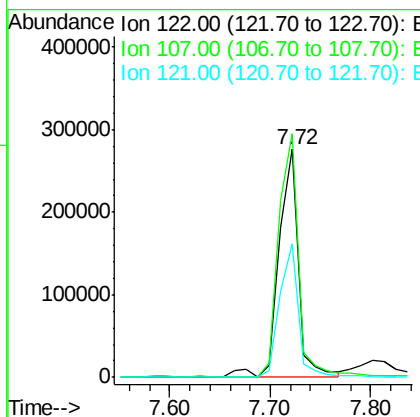
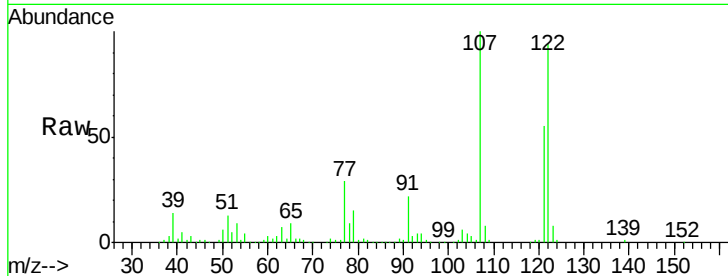
#27
 2,4-Dimethylphenol
 Concen: 40.81 ng
 RT: 7.72 min Scan# 493
 Delta R.T. -0.03 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Instrument :
 BNA_F
 ClientSampleId :
 HW-7-4-26-16MS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	374883		
107	106.9	82.0	123.0	
121	58.6	46.1	69.1	

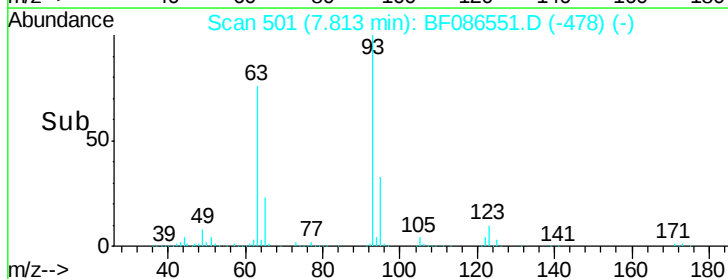
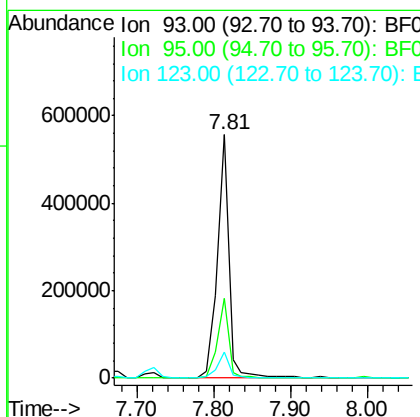
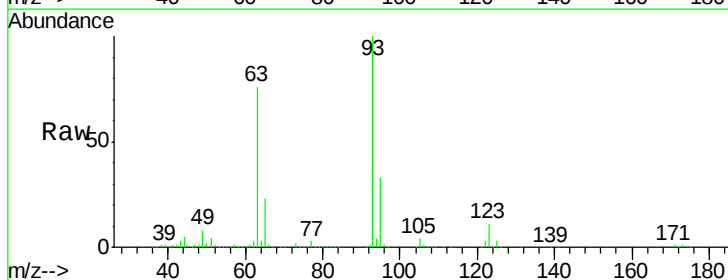
Manual Integrations
 APPROVED

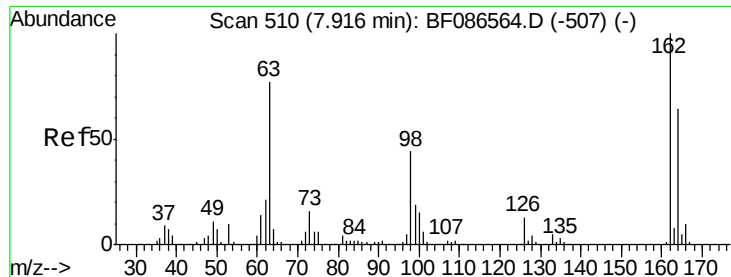
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#28
 bis(2-Chloroethoxy)methane
 Concen: 50.09 ng
 RT: 7.81 min Scan# 501
 Delta R.T. -0.03 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	580507		
95	32.9	26.0	39.0	
123	10.6	9.5	14.3	





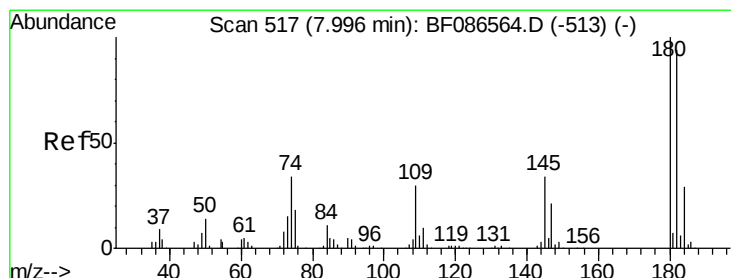
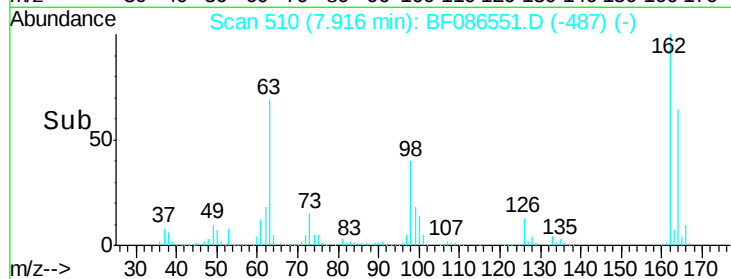
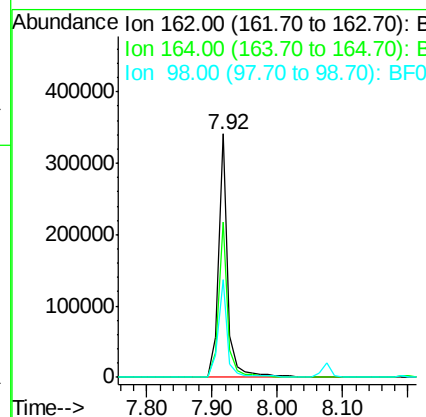
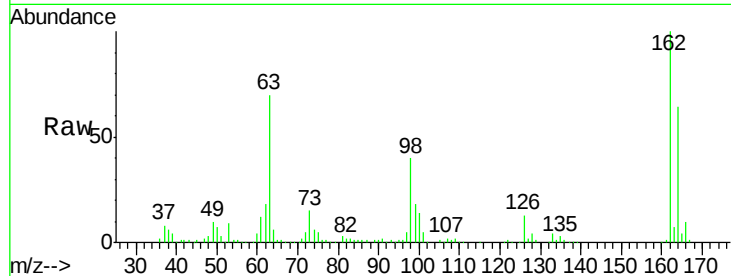
#29
 2,4-Dichlorophenol
 Concen: 44.64 ng
 RT: 7.92 min Scan# 510
 Delta R.T. -0.03 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Instrument :
 BNA_F
 ClientSampleId :
 HW-7-4-26-16MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	346022		
164	63.8	42.2	82.2	
98	40.1	19.0	59.0	

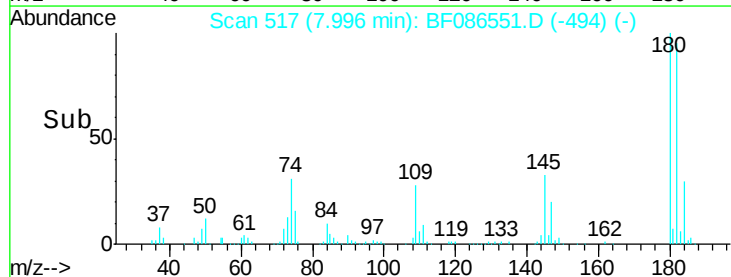
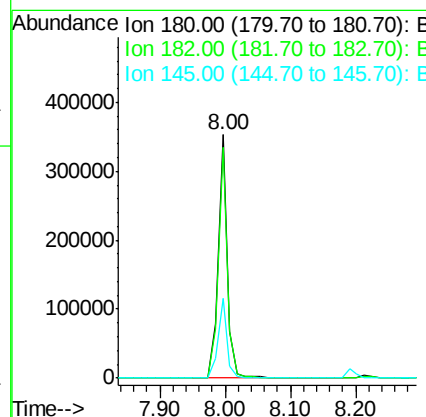
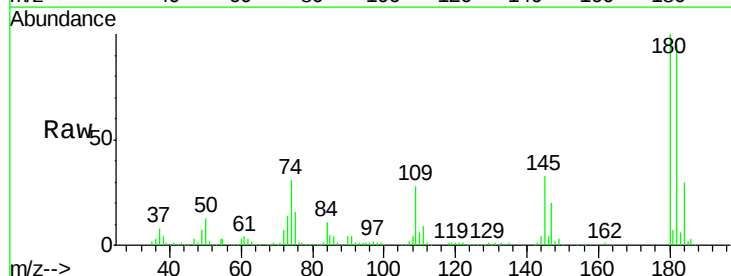
Manual Integrations
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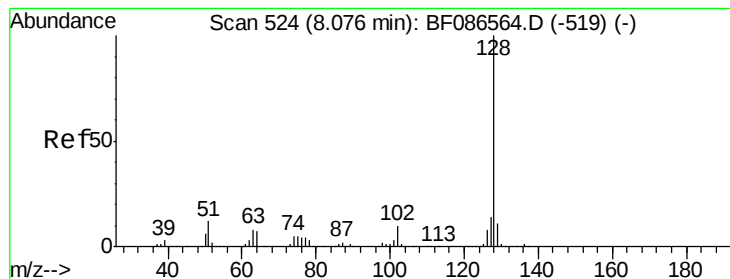
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#30
 1,2,4-Trichlorobenzene
 Concen: 39.67 ng
 RT: 8.00 min Scan# 517
 Delta R.T. -0.03 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	356737		
182	94.9	78.0	117.0	
145	32.6	24.2	36.2	





#31

Naphthalene

Concen: 41.43 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.03 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Instrument :

BNA_F

ClientSampleId :

HW-7-4-26-16MS

Tot Ion:128 Resp: 1256023

Ion Ratio Lower Upper

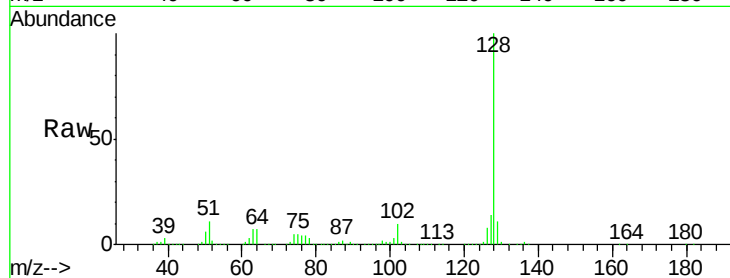
128 100

129 11.5 8.6 13.0

127 13.7 10.8 16.2

Manual Integrations
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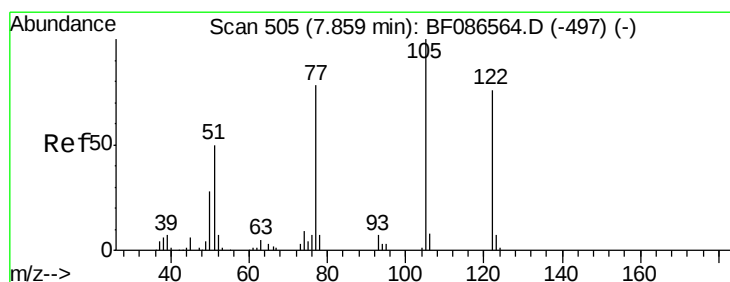
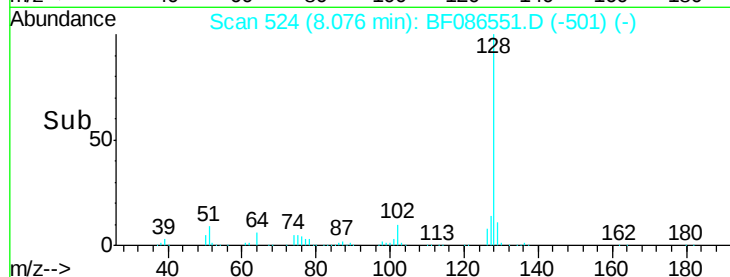
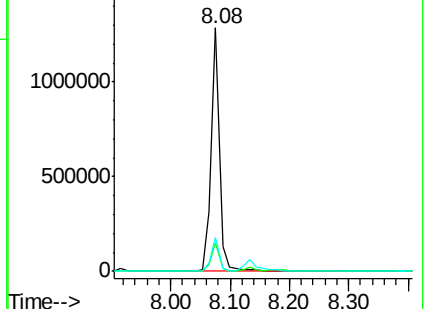
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 18.29 ng

RT: 7.80 min Scan# 500

Delta R.T. -0.09 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

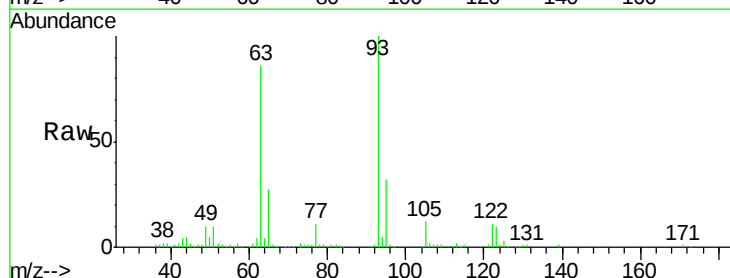
Tgt Ion:122 Resp: 64751

Ion Ratio Lower Upper

122 100

105 113.9 92.6 132.6

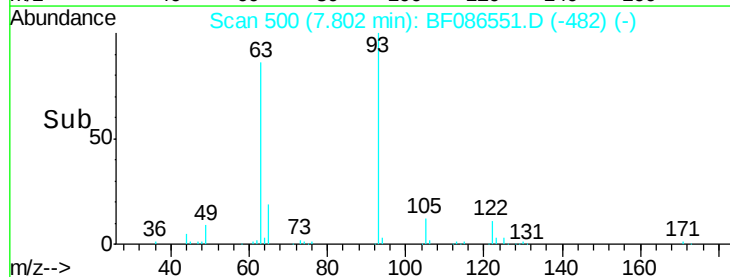
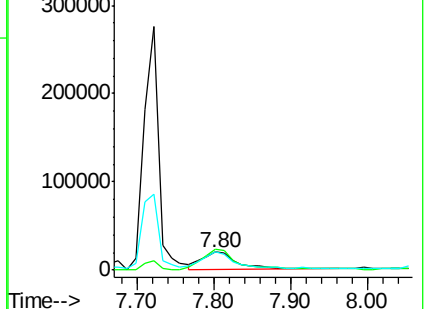
77 99.7 60.0 100.0

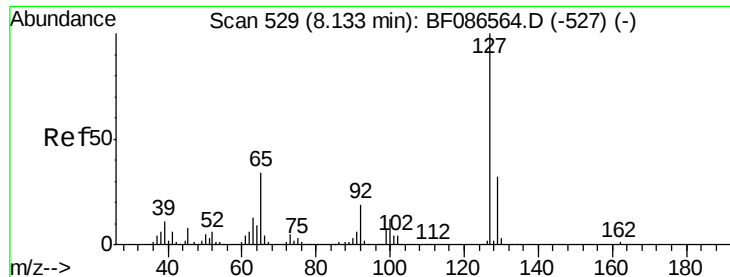


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





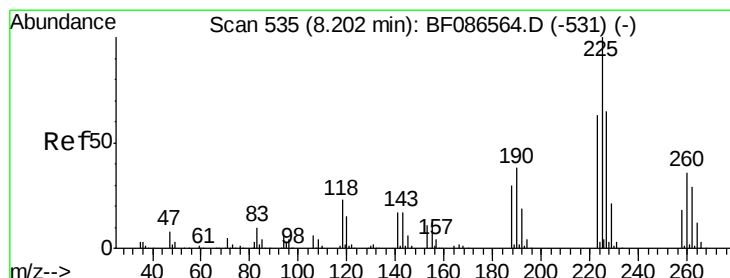
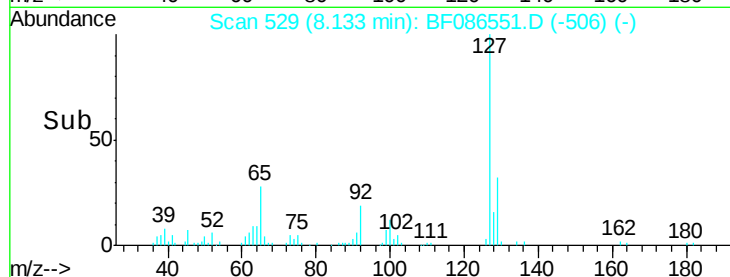
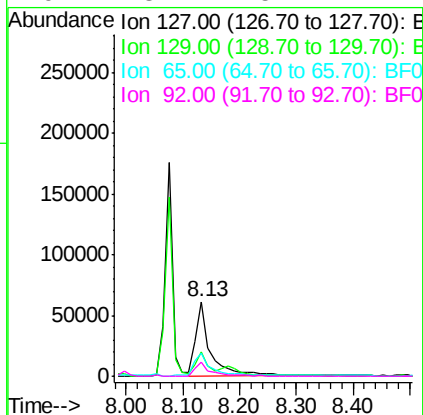
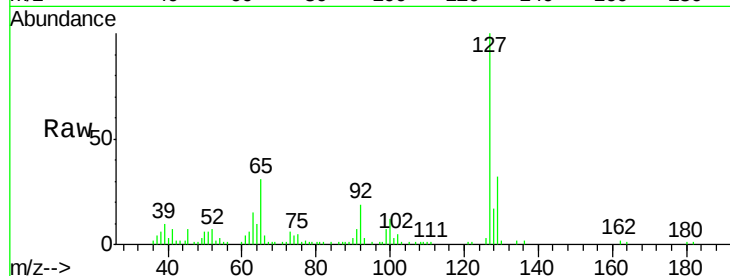
#33
4-Chloroaniline
Concen: 9.85 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.03 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Instrument :
BNA_F
ClientSampleId :
HW-7-4-26-16MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.9	26.2	39.4		
65	30.7	23.0	34.4		
92	18.7	15.1	22.7		

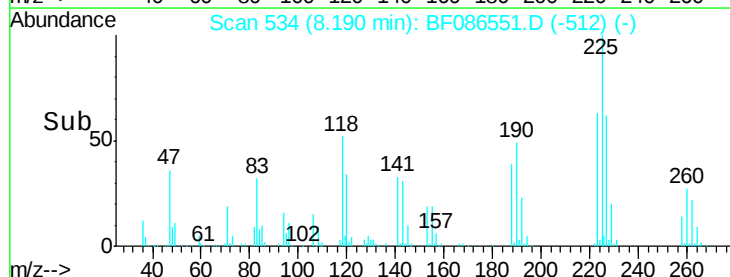
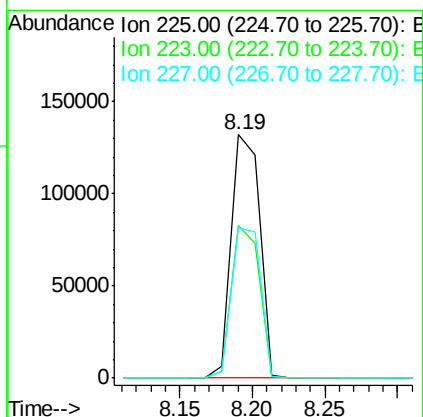
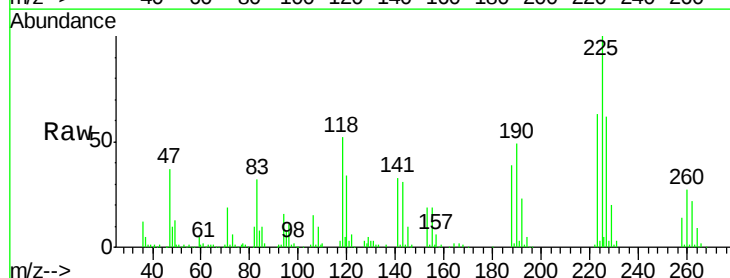
Manual Integrations
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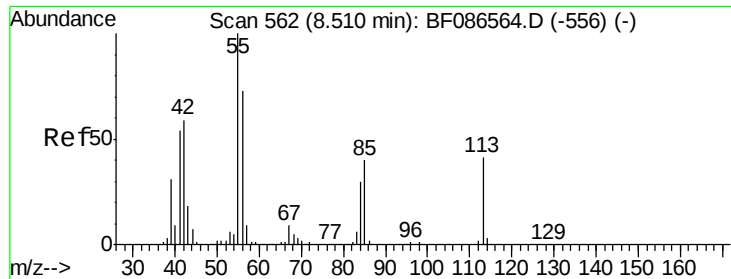
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#34
Hexachlorobutadiene
Concen: 35.60 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.05 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.8	51.5	77.3		
227	61.6	52.2	78.2		





#35

Caprolactam

Concen: 7.40 ng

RT: 8.51 min Scan# 562

Delta R.T. -0.05 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Instrument :

BNA_F

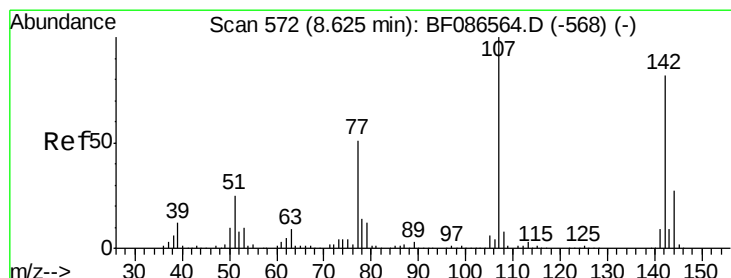
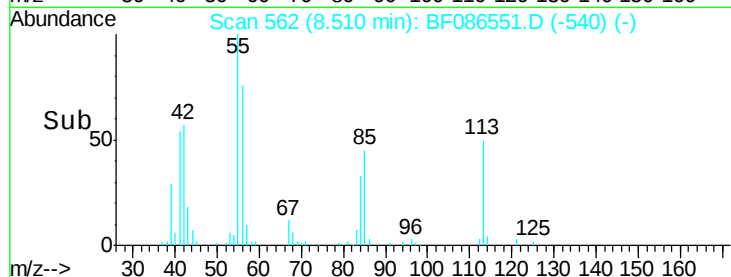
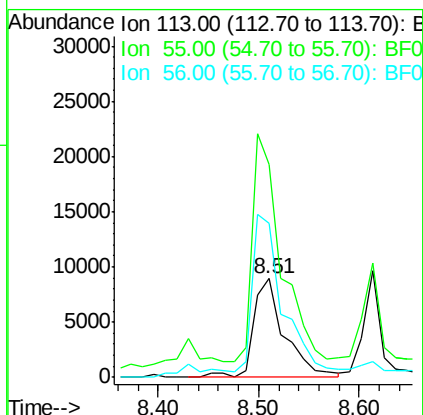
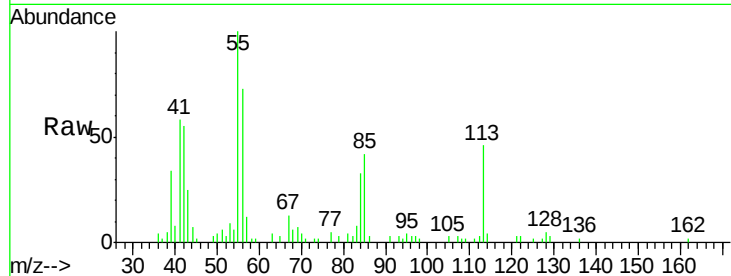
ClientSampleId :

HW-7-4-26-16MS

Tot Ion:	113	Resp:	19126
Ion Ratio	Lower	Upper	
113	100		
55	215.8	162.0	202.0#
56	156.8	115.3	155.3#

Manual Integrations
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#36

4-Chloro-3-methylphenol

Concen: 41.92 ng

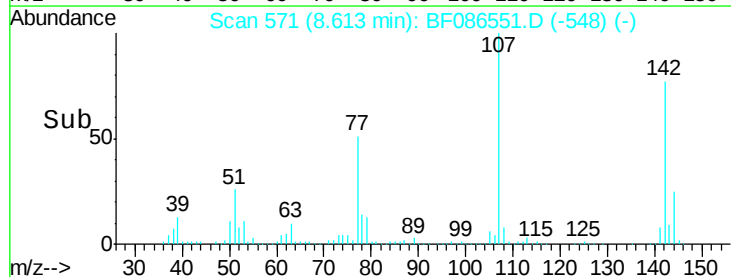
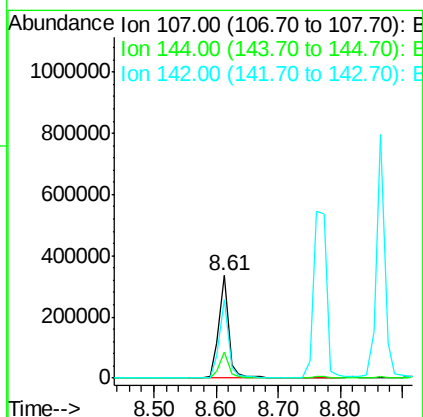
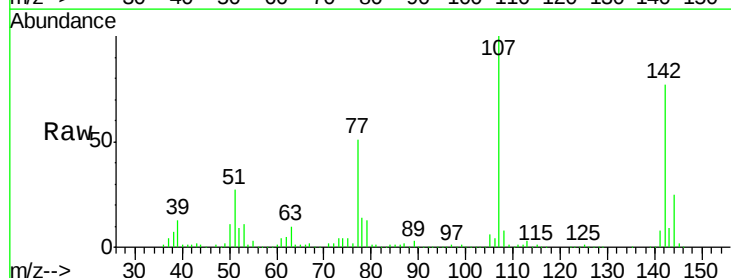
RT: 8.61 min Scan# 571

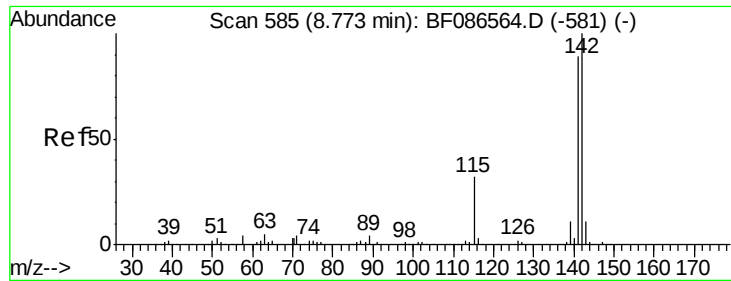
Delta R.T. -0.03 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Tgt Ion:	107	Resp:	372059
Ion Ratio	Lower	Upper	
107	100		
144	25.1	20.7	31.1
142	77.1	63.2	94.8





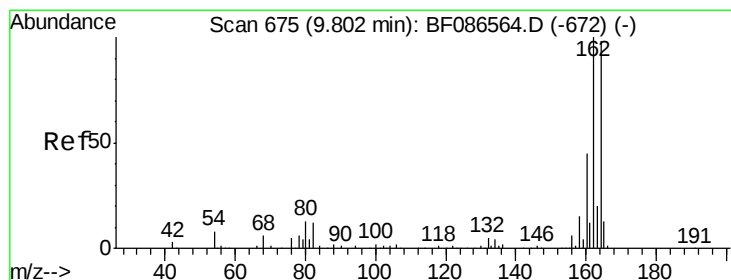
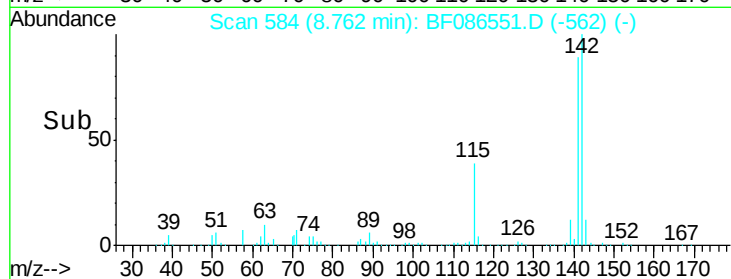
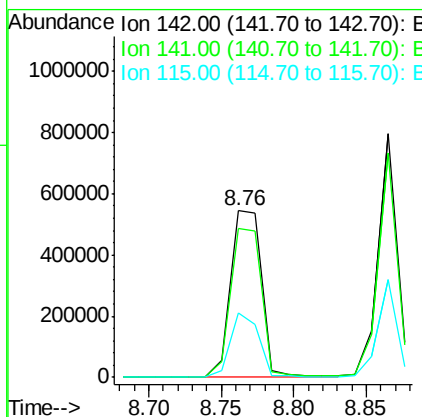
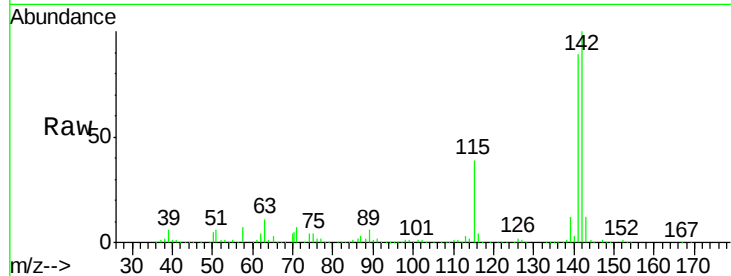
#37
2-Methylnaphthalene
Concen: 45.36 ng
RT: 8.76 min Scan# 584
Delta R.T. -0.05 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Instrument :
BNA_F
ClientSampleId :
HW-7-4-26-16MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.0	106.6
115	39.0	26.6	39.8

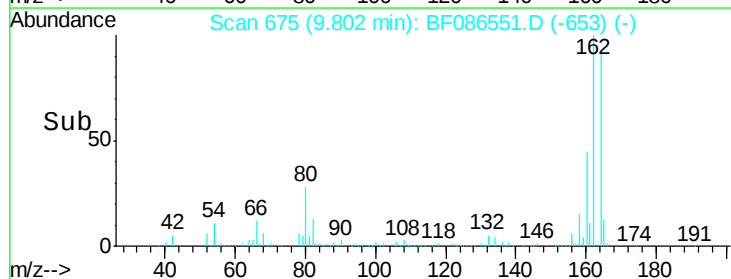
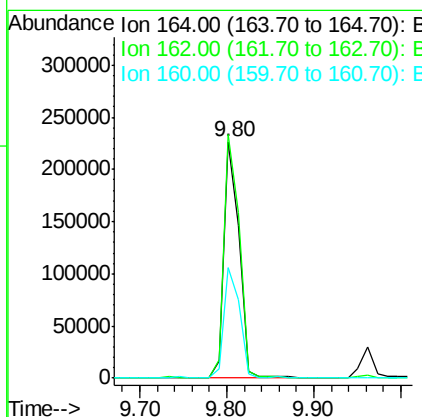
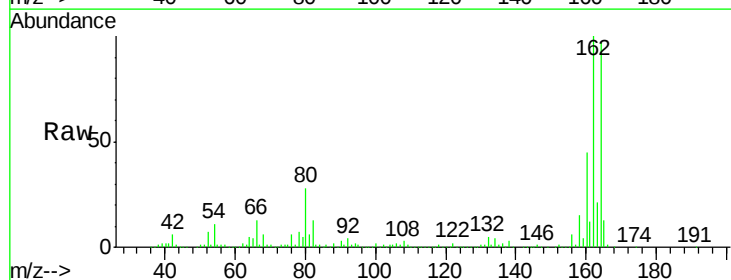
Manual Integrations
APPROVED

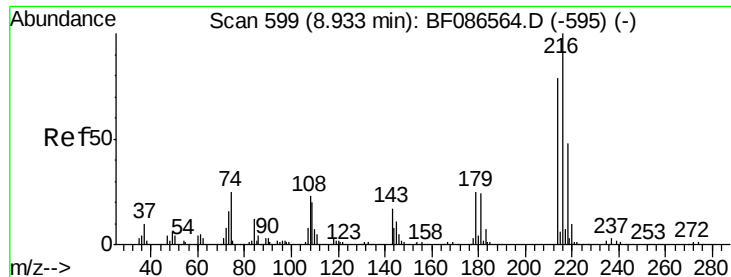
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.05 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.8	124.2
160	46.6	36.9	55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 41.70 ng

RT: 8.93 min Scan# 599

Delta R.T. -0.03 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Instrument :

BNA_F

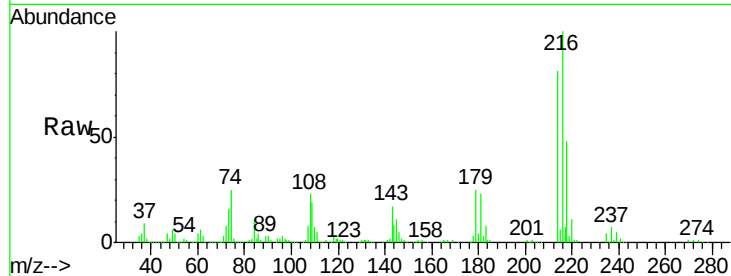
ClientSampleId :

HW-7-4-26-16MS

Tot Ion:	216	Resp:	331760
Ion Ratio		Lower	Upper
216	100		
214	80.6	62.6	93.8
179	23.9	18.2	27.4
108	25.3	17.5	26.3

Manual Integrations
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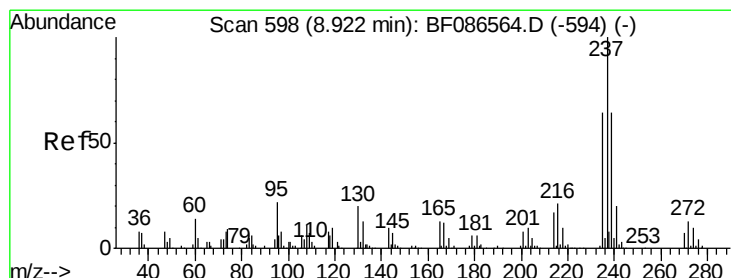
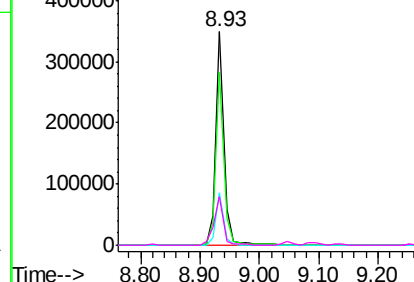
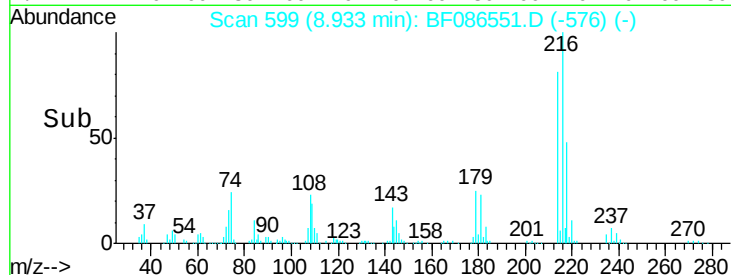


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 72.82 ng

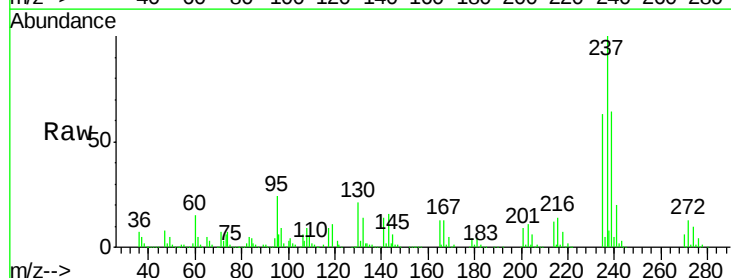
RT: 8.92 min Scan# 598

Delta R.T. -0.03 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

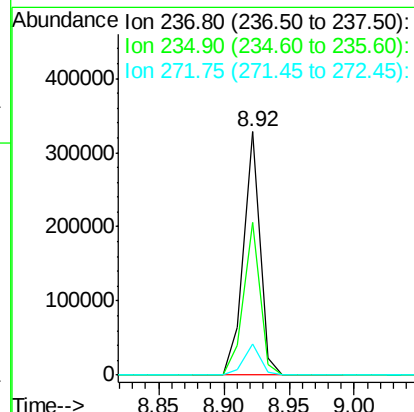
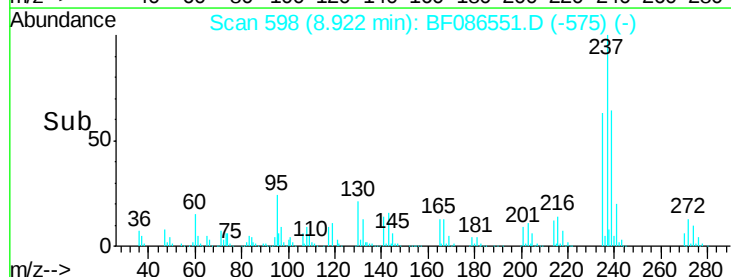
Tgt Ion:	237	Resp:	287922
Ion Ratio		Lower	Upper
237	100		
235	62.5	47.2	87.2
272	12.6	0.0	31.1

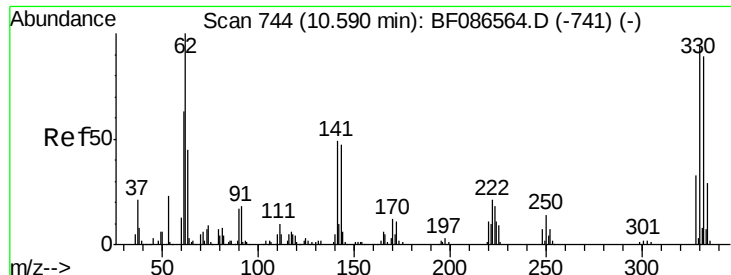


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





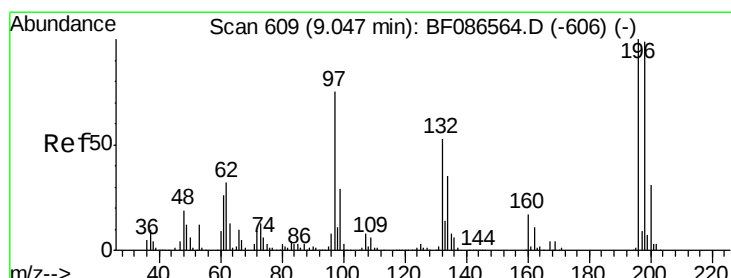
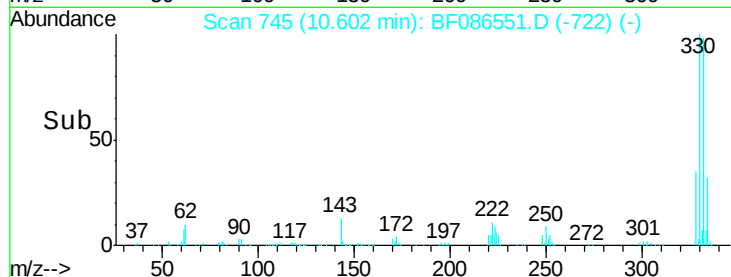
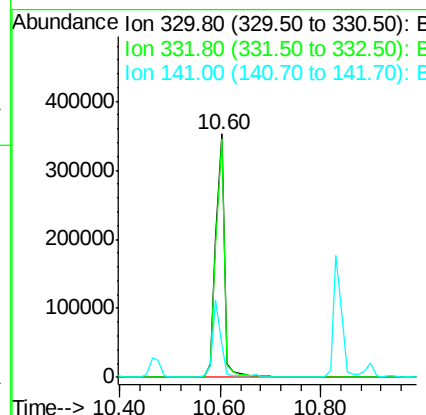
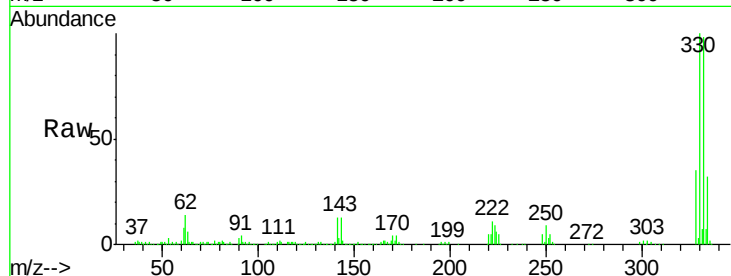
#41
 2,4,6-Tribromophenol
 Concen: 147.28 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.03 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Instrument :
 BNA_F
 ClientSampleId :
 HW-7-4-26-16MS

Tot Ion	Ratio	Resp	Lower	Upper
330	100	431743		
332	96.2	79.0	118.4	
141	29.0	31.2	46.8	

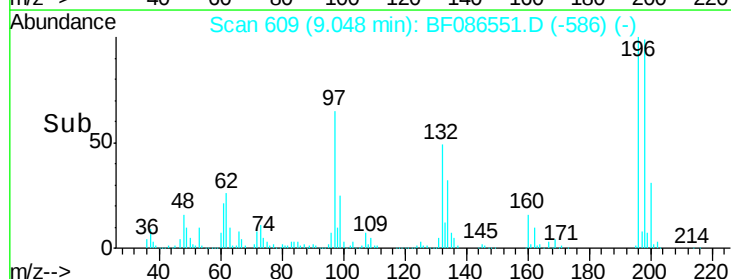
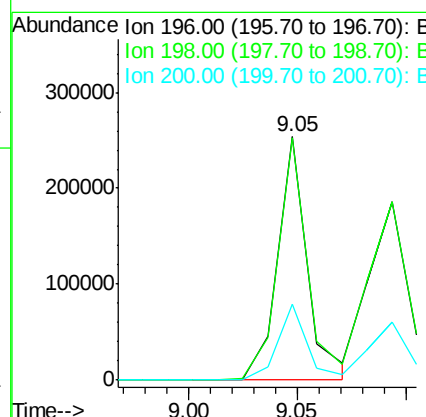
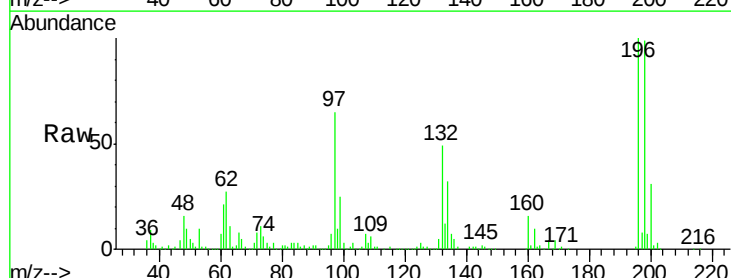
Manual Integrations
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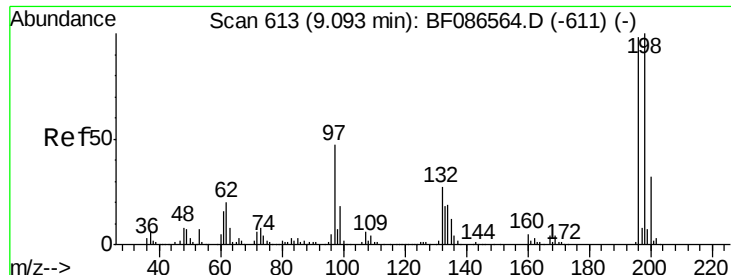
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#42
 2,4,6-Trichlorophenol
 Concen: 48.54 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.03 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	244137		
198	99.3	74.7	112.1	
200	31.2	23.8	35.6	





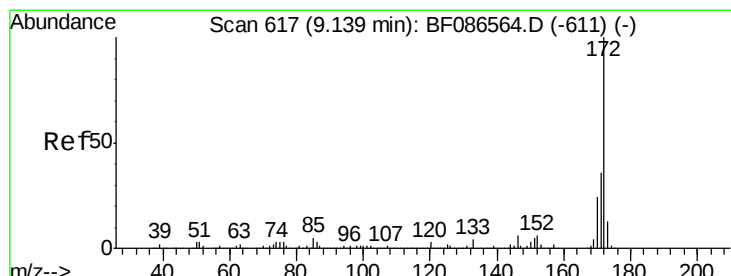
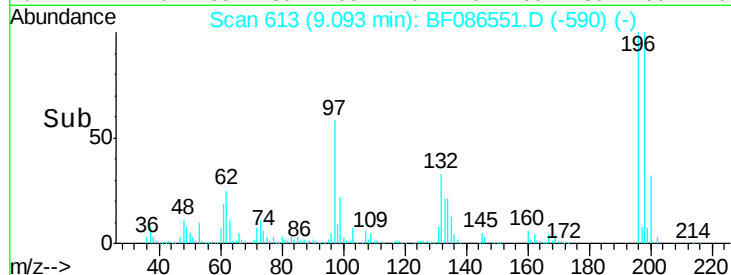
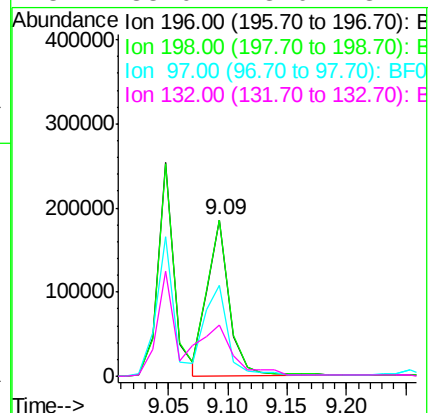
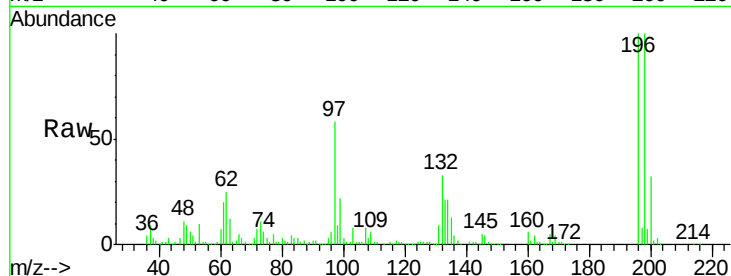
#43
 2,4,5-Trichlorophenol
 Concen: 44.19 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.03 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Instrument :
 BNA_F
 ClientSampleId :
 HW-7-4-26-16MS

Tot Ion:	196	Resp:	242263
Ion Ratio	Lower	Upper	
196	100		
198	100.3	77.5	116.3
97	58.4	34.8	52.2
132	33.0	23.0	34.4

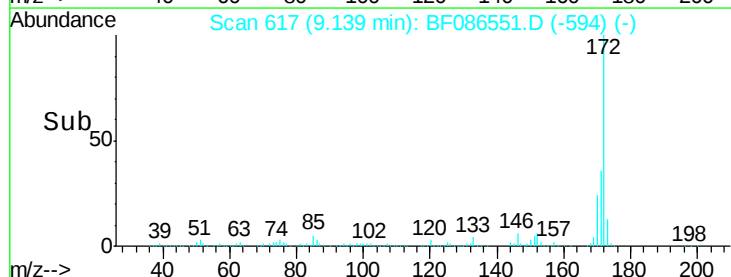
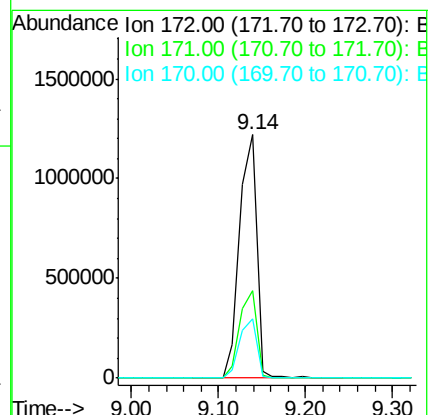
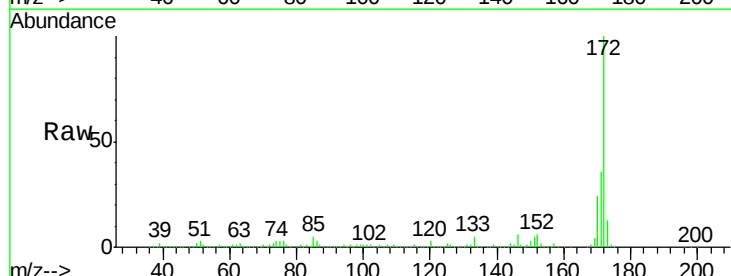
Manual Integrations
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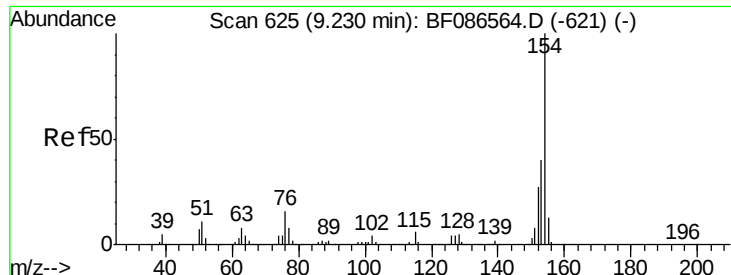
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#44
 2-Fluorobiphenyl
 Concen: 112.34 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.03 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Tgt Ion:	172	Resp:	1671884
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.0	43.6
170	24.3	19.8	29.8





#45

1,1'-Biphenyl

Concen: 42.06 ng

RT: 9.23 min Scan# 625

Delta R.T. -0.05 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Instrument :

BNA_F

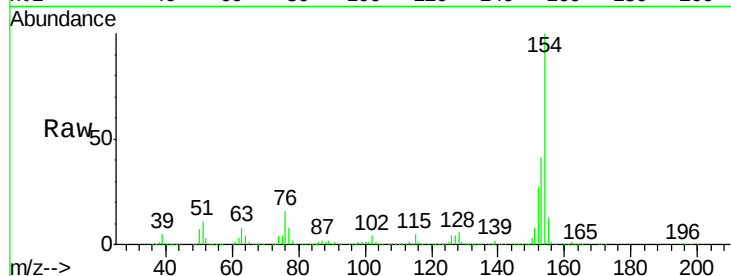
ClientSampleId :

HW-7-4-26-16MS

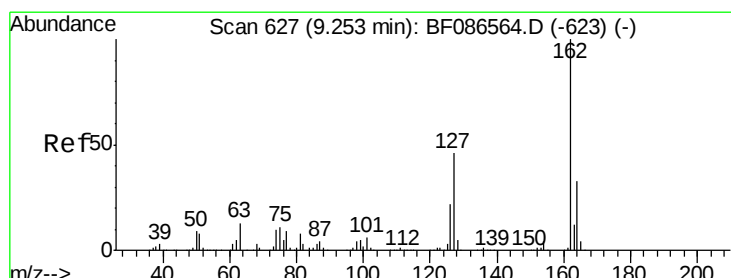
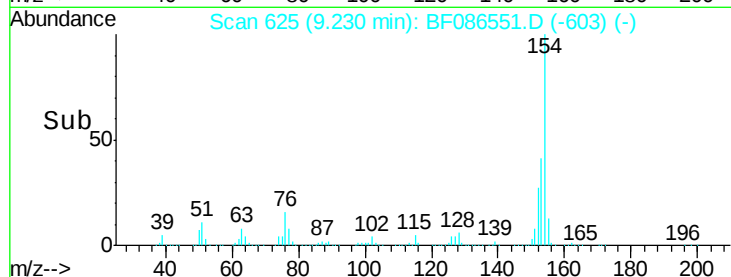
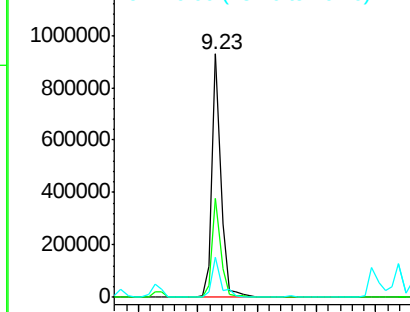
Tot Ion:	154	Resp:	977236
Ion Ratio	Lower	Upper	
154	100		
153	40.7	20.3	60.3
76	16.3	0.0	30.2

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 42.82 ng

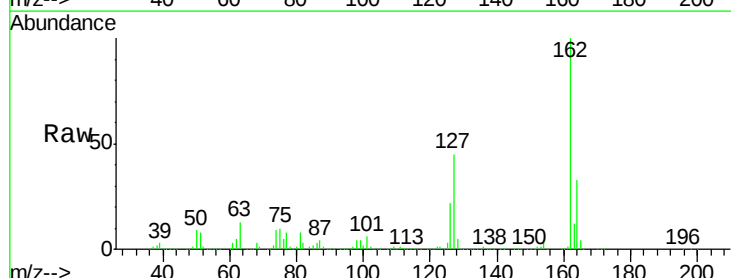
RT: 9.25 min Scan# 627

Delta R.T. -0.05 min

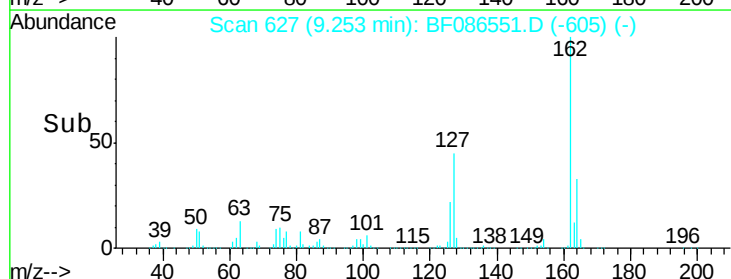
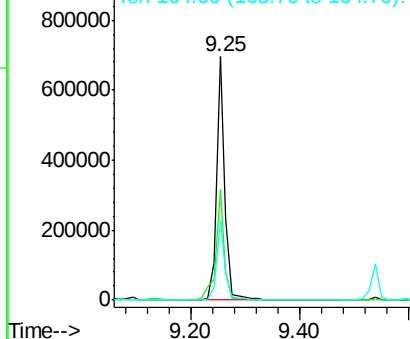
Lab File: BF086551.D

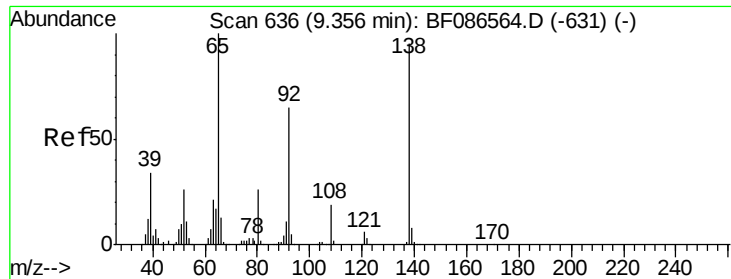
Acq: 1 May 2016 5:14

Tgt Ion:	162	Resp:	756408
Ion Ratio	Lower	Upper	
162	100		
127	45.4	31.8	47.6
164	32.8	27.0	40.6



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





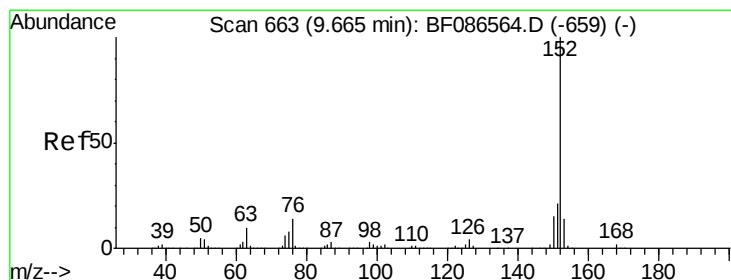
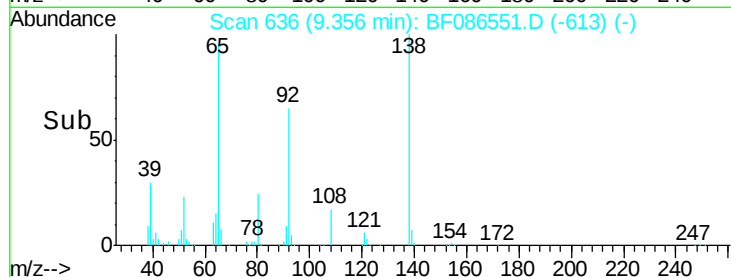
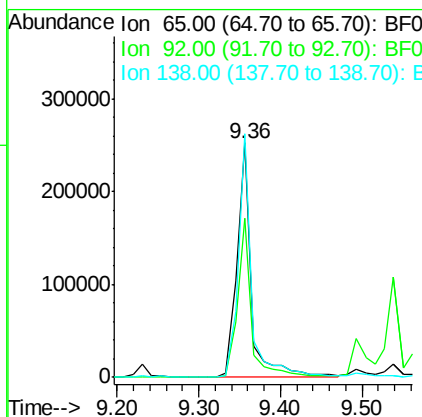
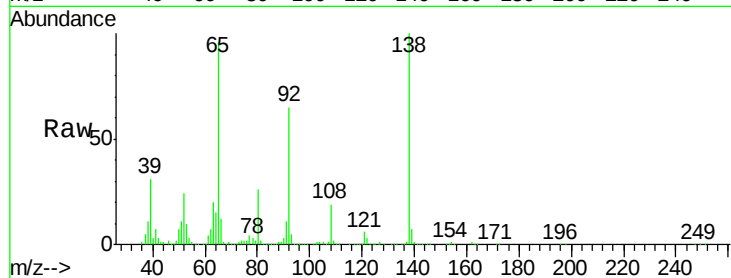
#47
2-Nitroaniline
Concen: 55.17 ng
RT: 9.36 min Scan# 636
Delta R.T. -0.03 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Instrument :
BNA_F
ClientSampleId :
HW-7-4-26-16MS

Tot Ion	Ratio	Lower	Upper
65	100		
92	67.8	57.4	86.2
138	103.9	90.1	135.1

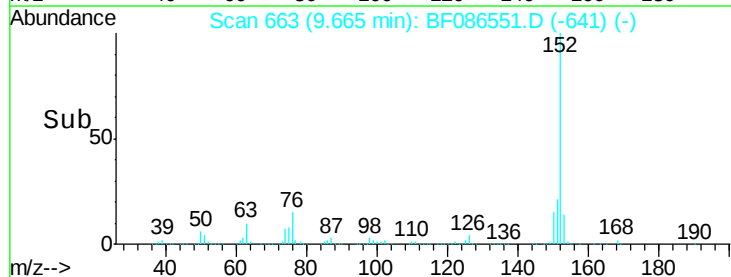
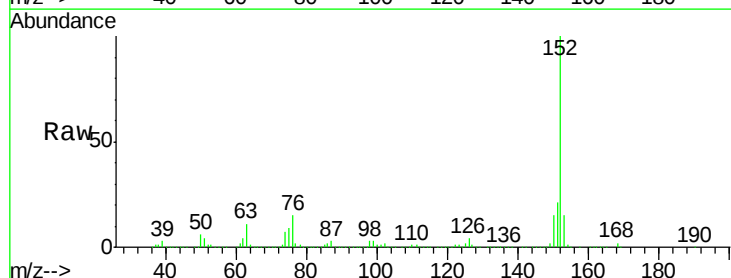
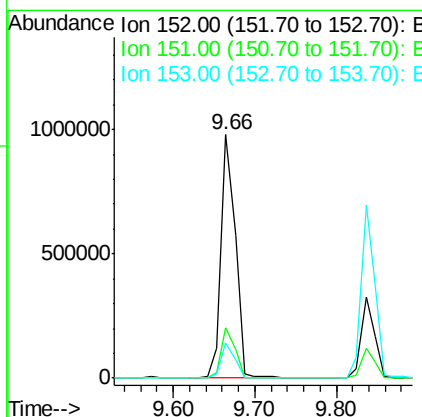
Manual Integrations
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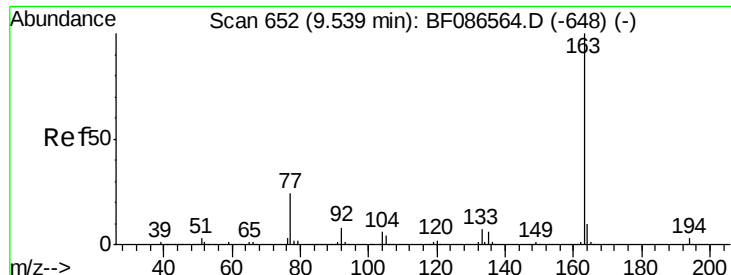
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#48
Acenaphthylene
Concen: 42.87 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.05 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.8	25.2
153	14.5	10.9	16.3





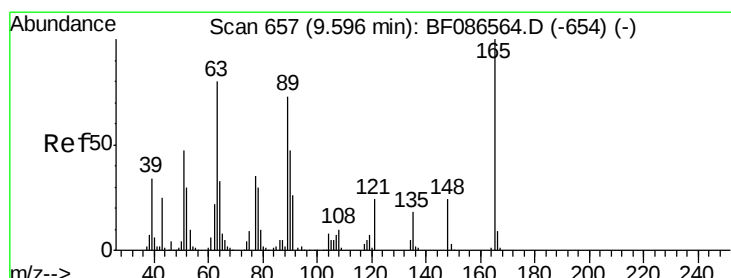
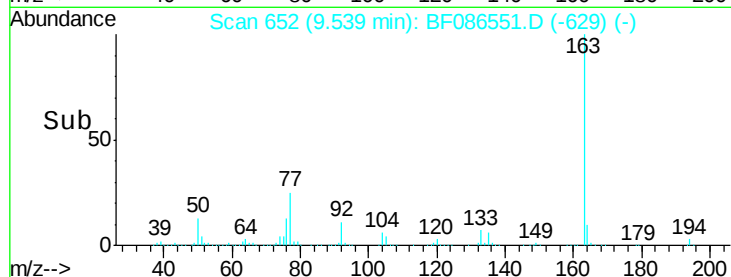
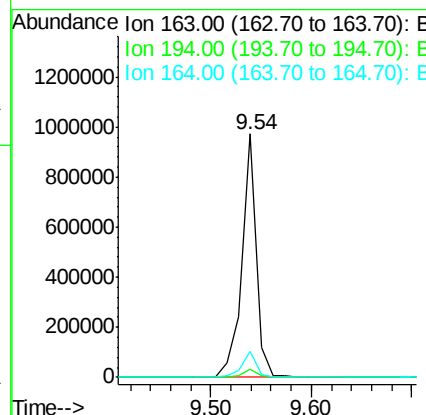
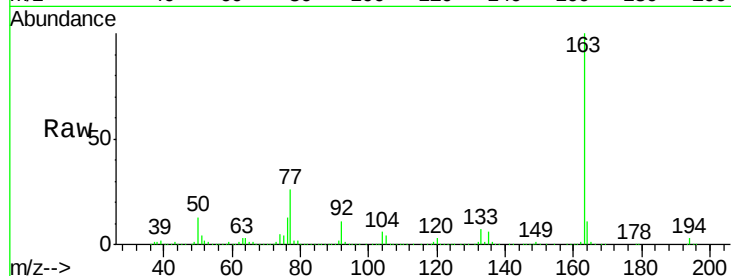
#49
Dimethylphthalate
Concen: 46.33 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.03 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Instrument :
BNA_F
ClientSampleId :
HW-7-4-26-16MS

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.3	2.6	4.0	
164	10.6	8.2	12.4	

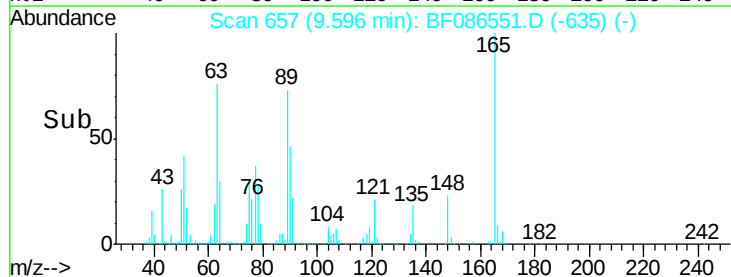
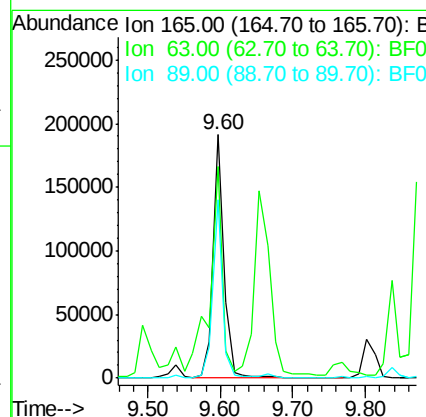
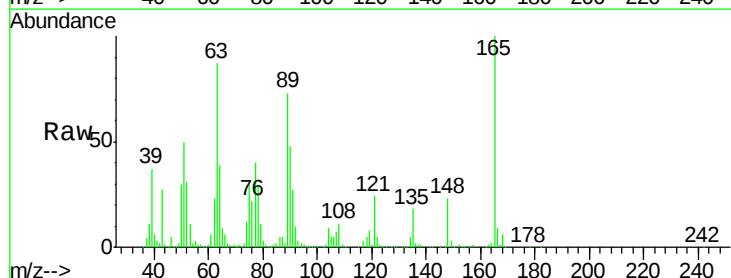
Manual Integrations
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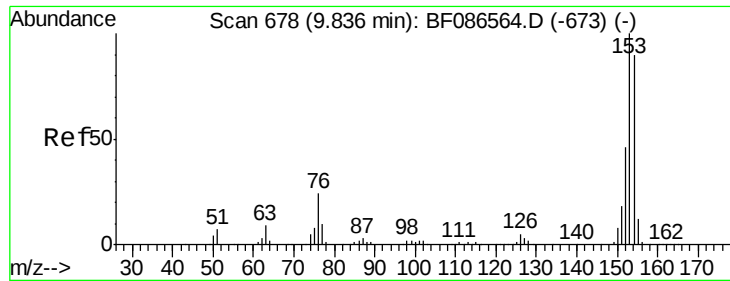
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#50
2,6-Dinitrotoluene
Concen: 46.74 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.05 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	86.8	51.8	77.8#	
89	73.0	50.7	76.1	





#51

Acenaphthene

Concen: 48.17 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.05 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Instrument :

BNA_F

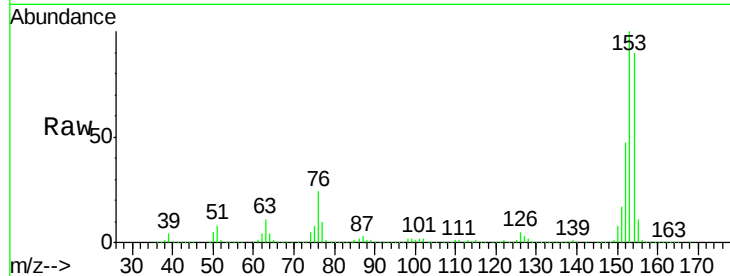
ClientSampleId :

HW-7-4-26-16MS

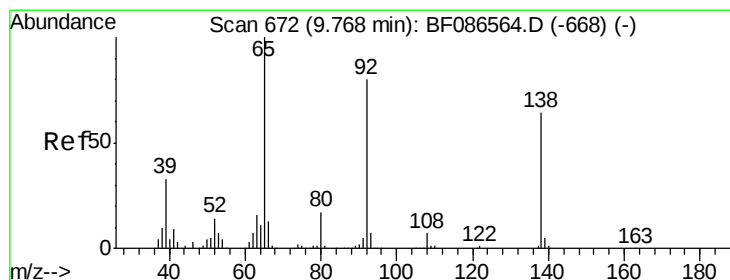
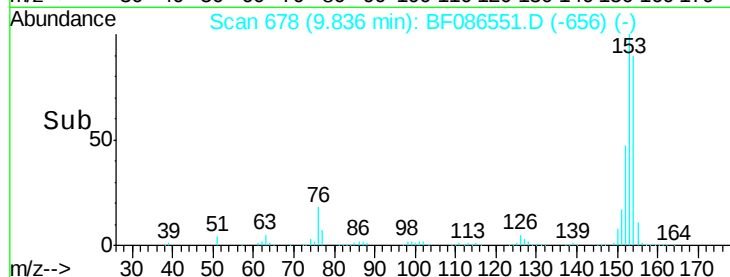
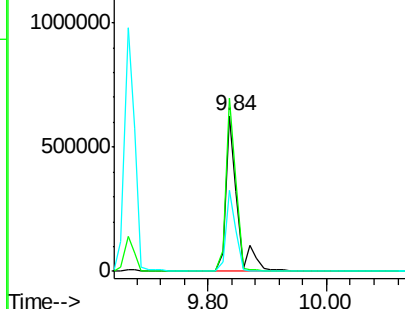
Tot Ion:	154	Resp:	854308
Ion Ratio	Lower	Upper	
154	100		
153	111.4	89.8	134.6
152	52.1	43.4	65.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 18.59 ng

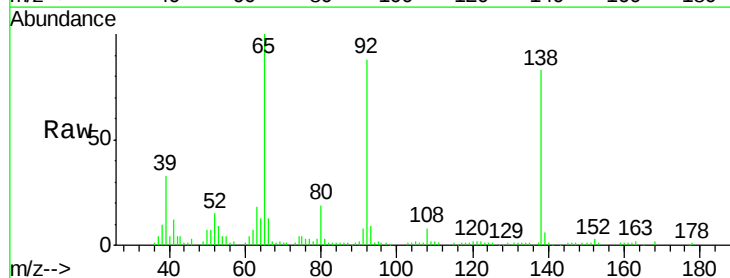
RT: 9.77 min Scan# 672

Delta R.T. -0.03 min

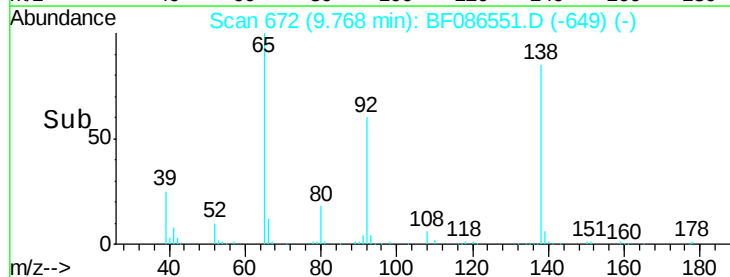
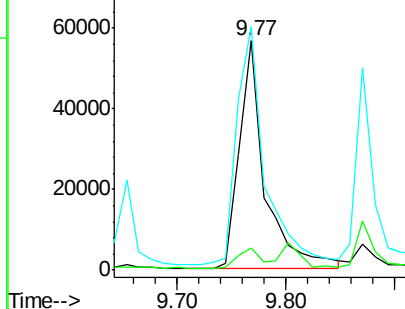
Lab File: BF086551.D

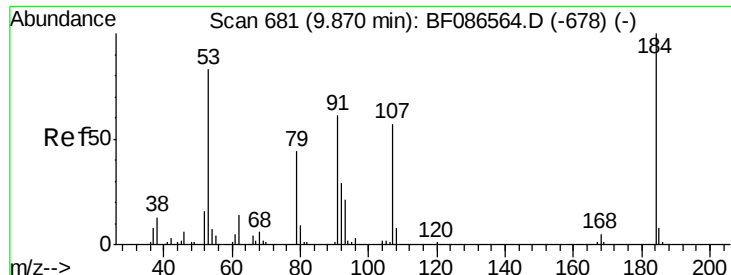
Acq: 1 May 2016 5:14

Tgt Ion:	138	Resp:	91387
Ion Ratio	Lower	Upper	
138	100		
108	9.8	7.8	11.6
92	106.1	87.8	131.8



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





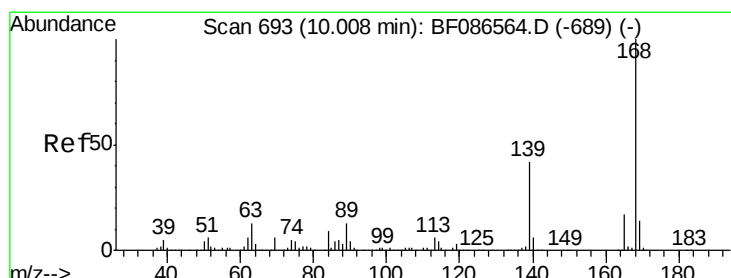
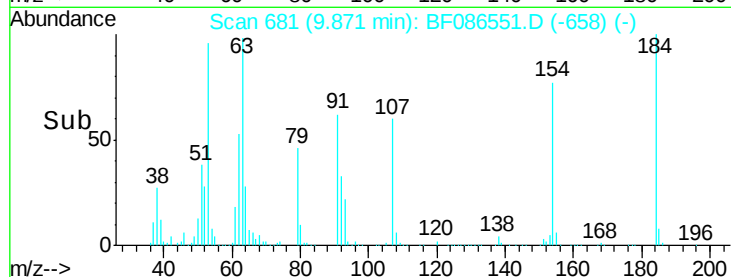
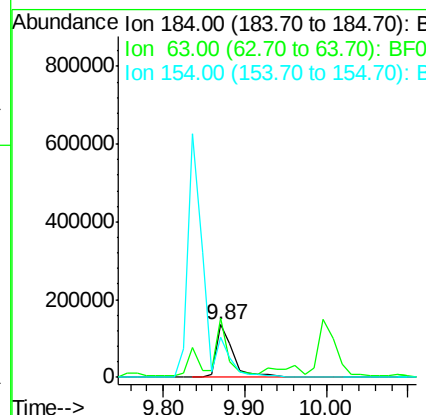
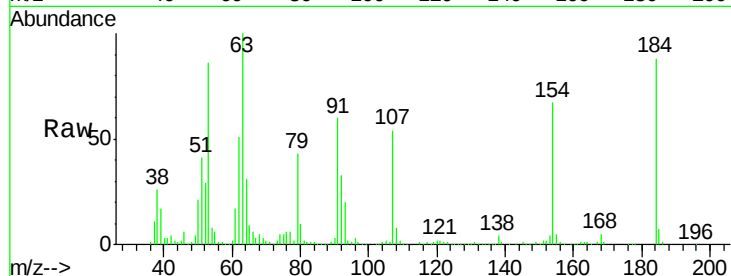
#53
2,4-Dinitrophenol
Concen: 82.08 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.03 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Instrument :
BNA_F
ClientSampleId :
HW-7-4-26-16MS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	194560		
63	114.2	55.8	83.8	
154	76.9	62.4	93.6	

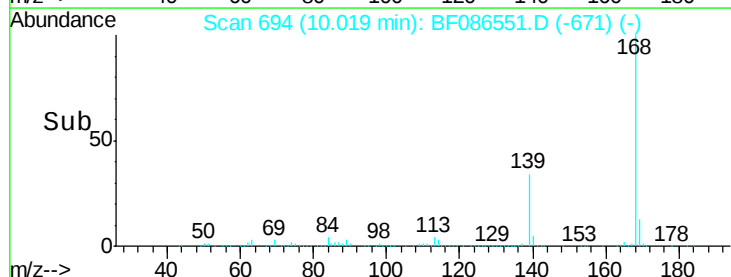
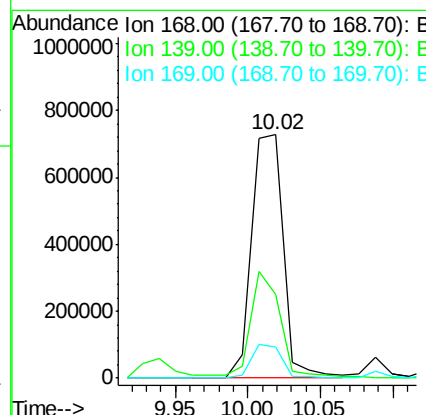
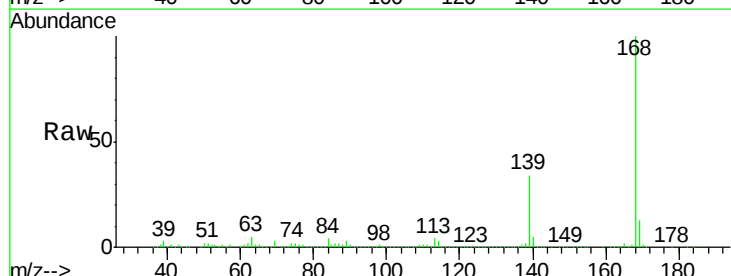
Manual Integrations
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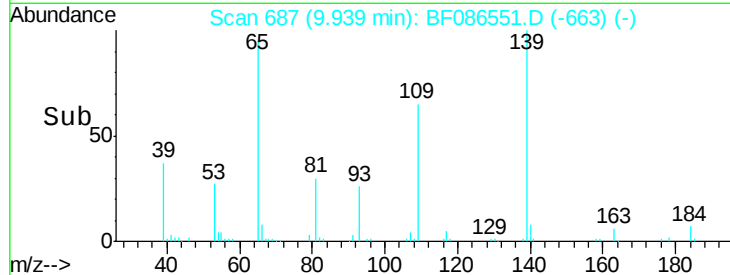
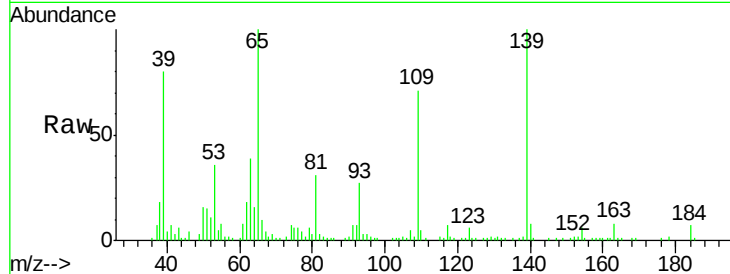
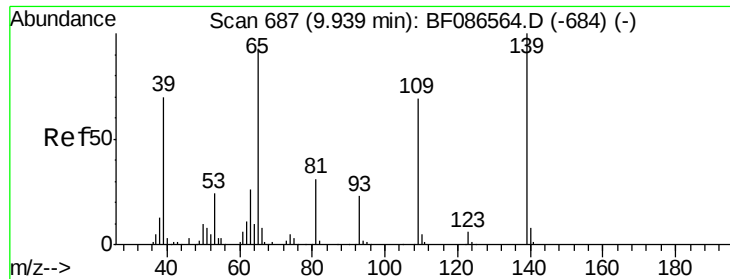
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#54
Dibenzofuran
Concen: 49.45 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.03 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1096203		
139	34.4	31.4	47.0	
169	12.9	10.7	16.1	





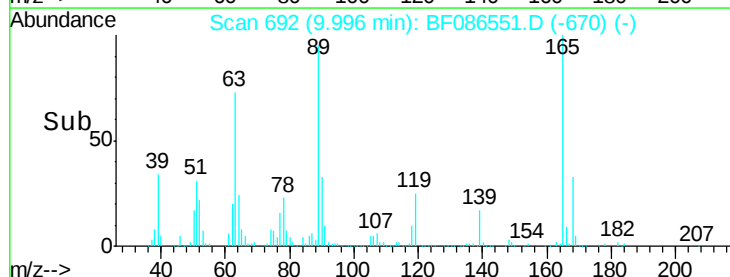
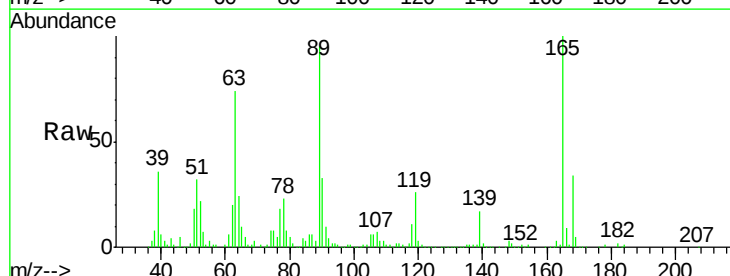
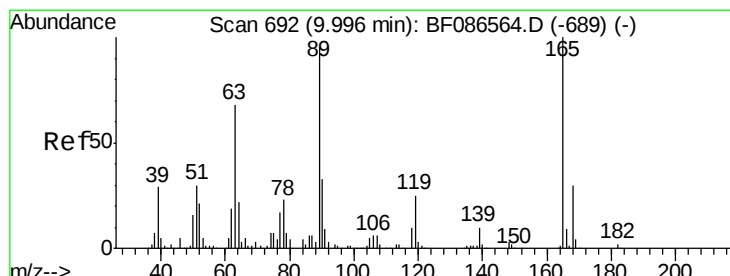
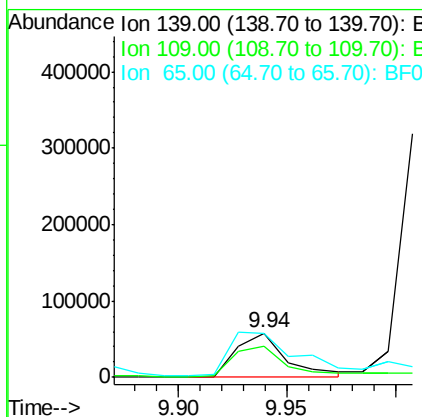
#55
4-Nitrophenol
Concen: 28.87 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tot Ion	Ratio	Resp	Lower	Upper
139	100	92939		
109	71.0	36.9	76.9	
65	100.1	64.0	104.0	

Instrument :
BNA_F
ClientSampleId :
HW-7-4-26-16MS

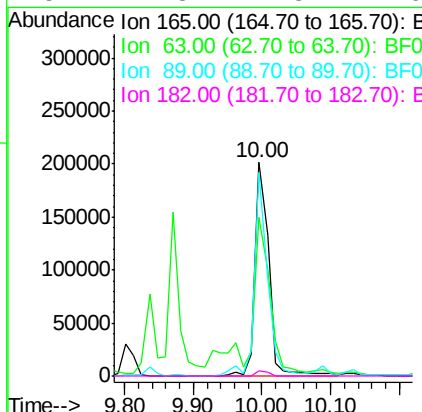
Manual Integrations
APPROVED

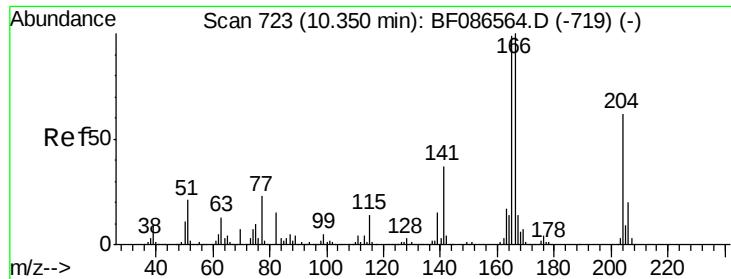
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#56
2,4-Dinitrotoluene
Concen: 49.53 ng
RT: 10.00 min Scan# 692
Delta R.T. -0.05 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	272963		
63	74.1	44.3	66.5#	
89	95.4	70.0	105.0	
182	2.3	1.8	2.6	





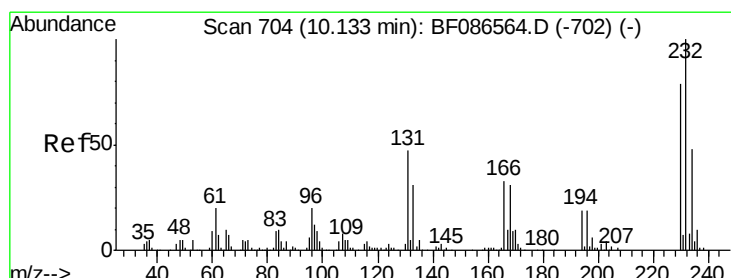
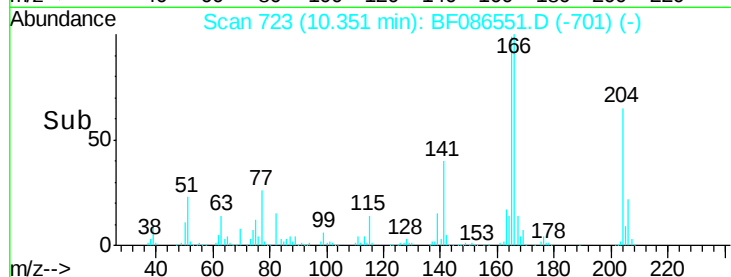
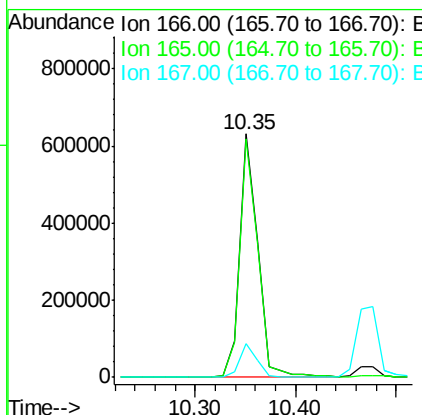
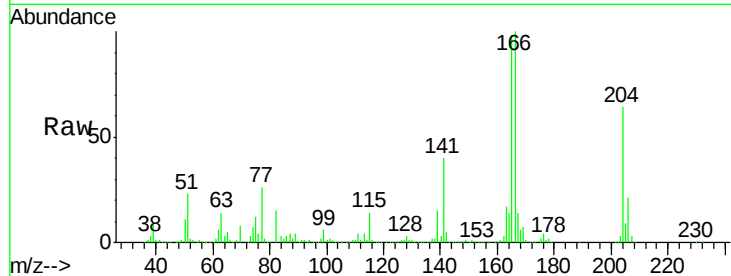
#57
 Fluorene
 Concen: 40.86 ng
 RT: 10.35 min Scan# 723
 Delta R.T. -0.05 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Instrument :
 BNA_F
 ClientSampleId :
 HW-7-4-26-16MS

Tot Ion	Ratio	Resp	Lower	Upper
166	100	786359		
165	98.0	79.0	118.6	
167	14.1	10.6	15.8	

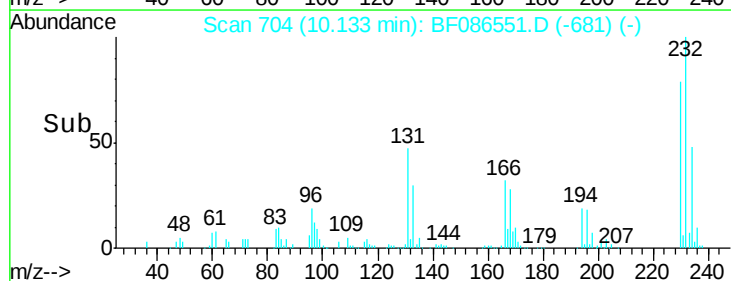
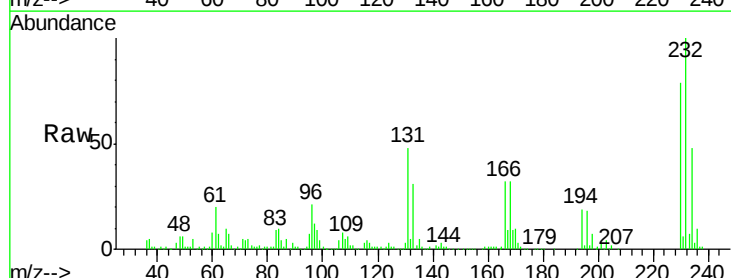
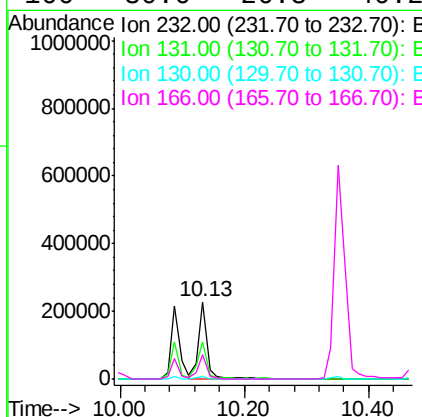
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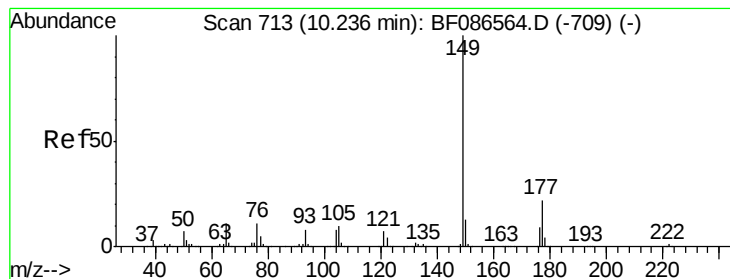
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 52.88 ng
 RT: 10.13 min Scan# 704
 Delta R.T. -0.03 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	226642		
131	50.7	41.9	62.9	
130	2.7	2.2	3.4	
166	30.6	26.8	40.2	





#59

Diethylphthalate

Concen: 47.18 ng

RT: 10.24 min Scan# 713

Delta R.T. -0.03 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Instrument :

BNA_F

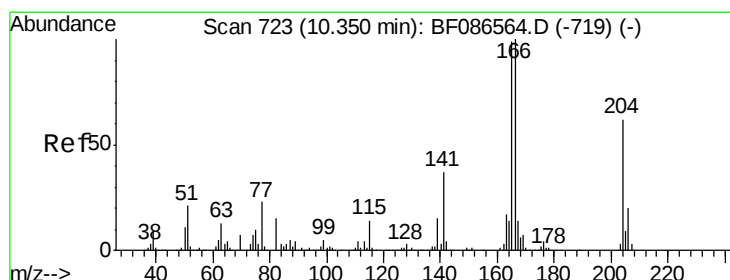
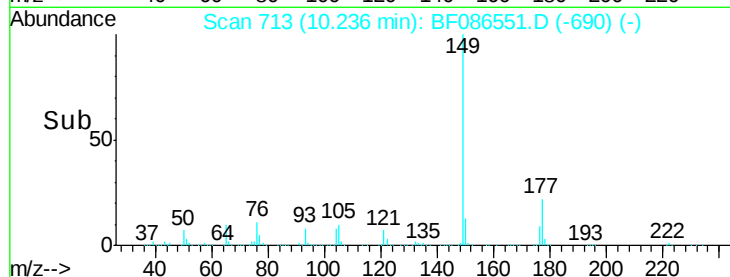
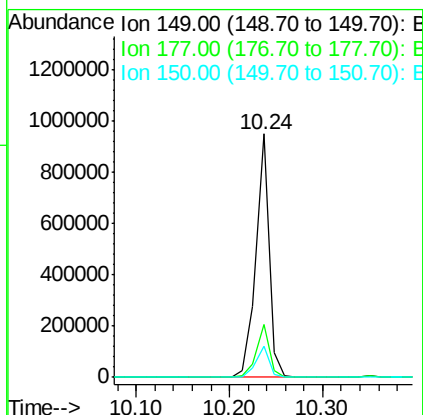
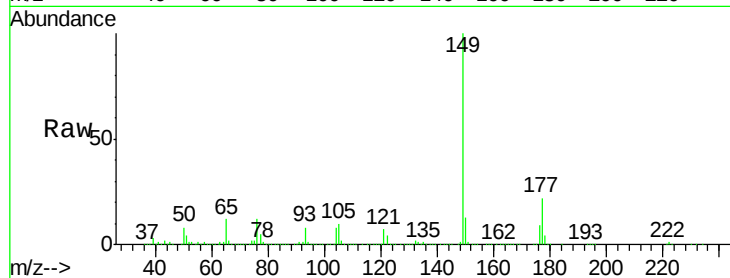
ClientSampleId :

HW-7-4-26-16MS

Tot Ion:	149	Resp:	934528
Ion Ratio	Lower	Upper	
149	100		
177	21.6	16.6	24.8
150	12.9	10.0	15.0

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#60

4-Chlorophenyl-phenylether

Concen: 45.29 ng

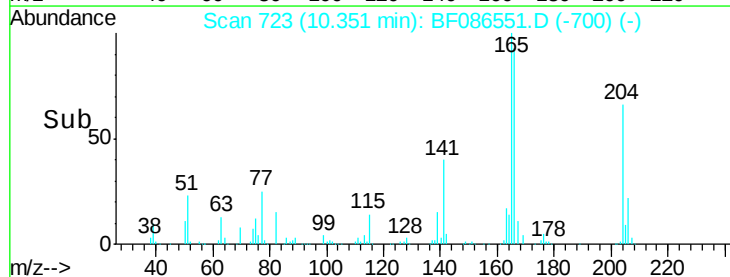
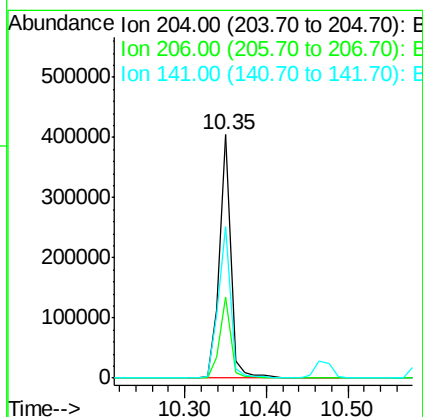
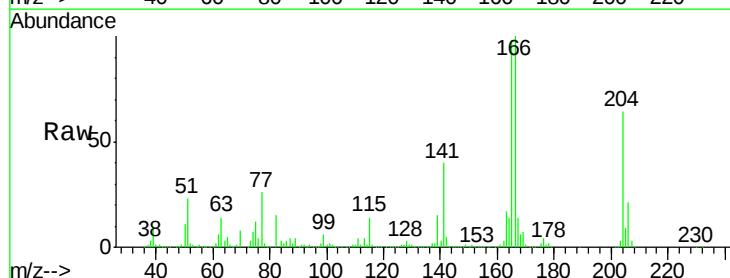
RT: 10.35 min Scan# 723

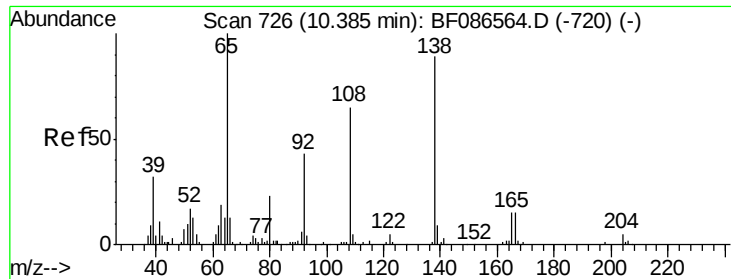
Delta R.T. -0.03 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Tgt Ion:	204	Resp:	395757
Ion Ratio	Lower	Upper	
204	100		
206	33.2	25.4	38.0
141	62.1	61.6	92.4





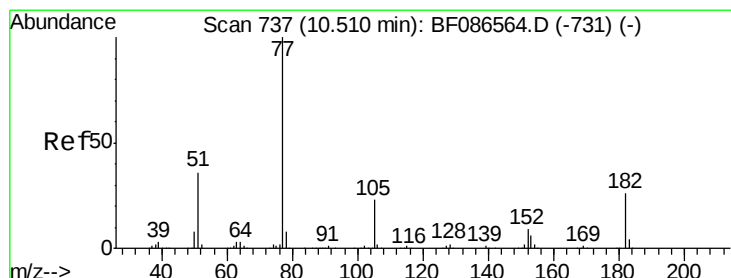
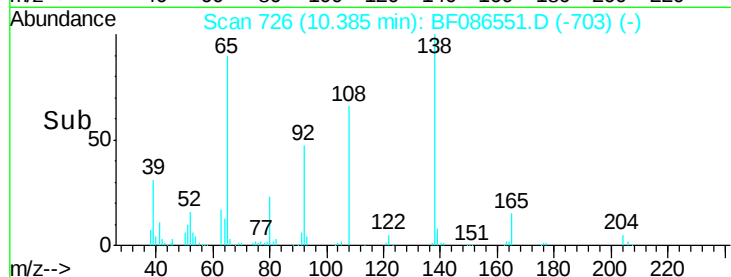
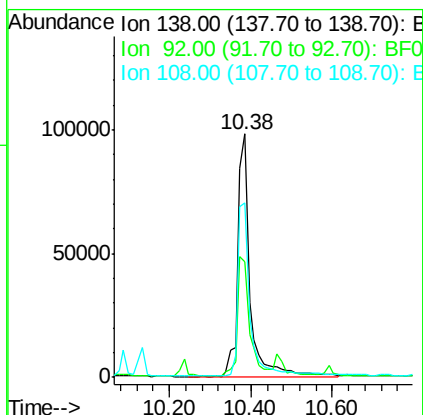
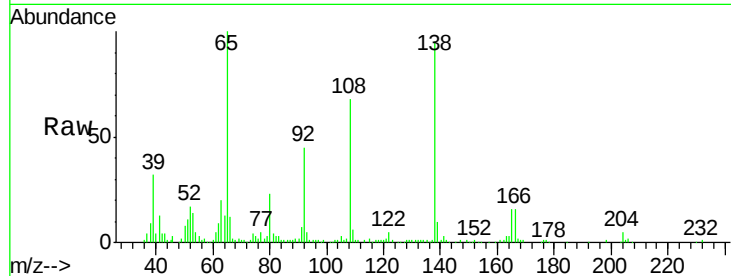
#61
4-Nitroaniline
Concen: 42.25 ng
RT: 10.38 min Scan# 726
Delta R.T. -0.03 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Instrument :
BNA_F
ClientSampleId :
HW-7-4-26-16MS

Tot Ion	Ratio	Lower	Upper
138	100		
92	47.4	24.7	64.7
108	71.6	37.4	77.4

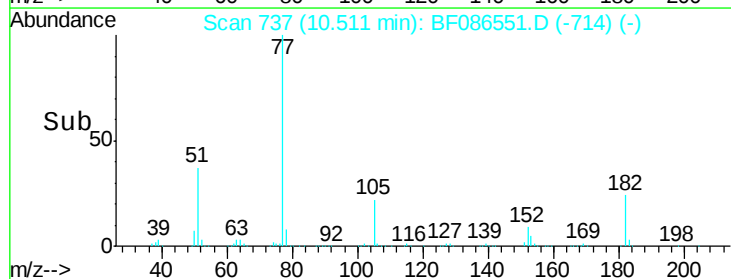
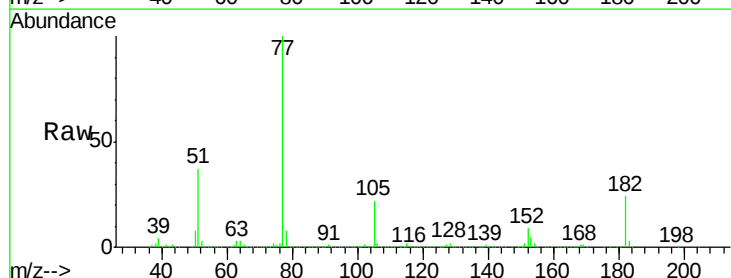
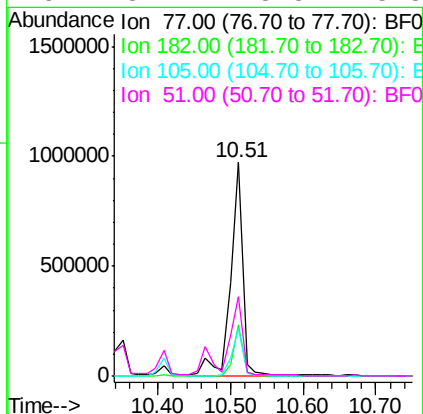
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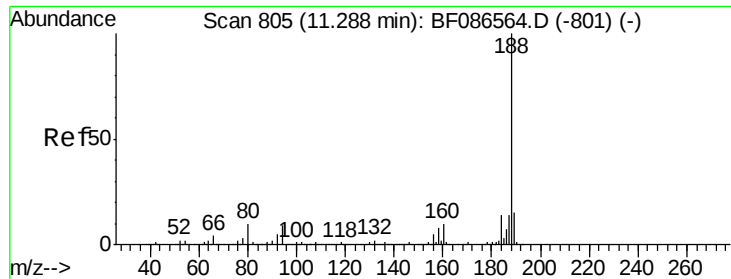
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#62
Azobenzene
Concen: 51.82 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.03 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.2	0.0	38.8
105	22.5	3.2	43.2
51	37.2	8.8	48.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.03 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Instrument :

BNA_F

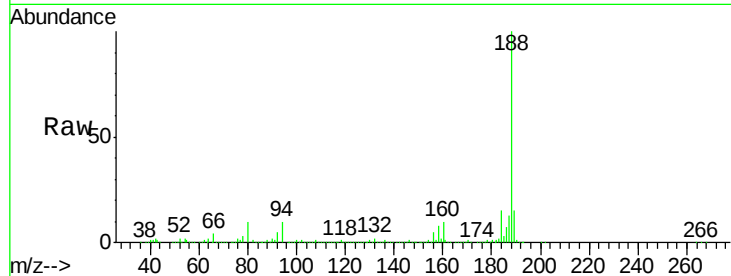
ClientSampleId :

HW-7-4-26-16MS

Tot Ion:	188	Resp:	543827
Ion Ratio	Lower	Upper	
188	100		
94	9.8	6.8	10.2
80	10.4	7.1	10.7

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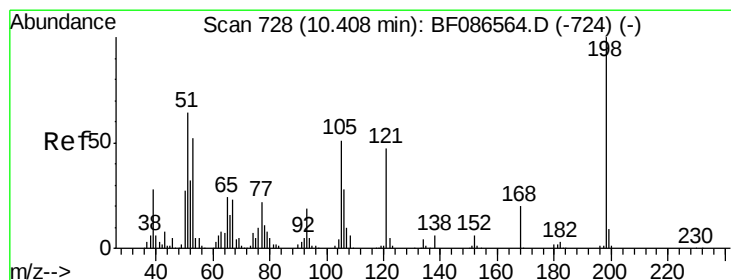
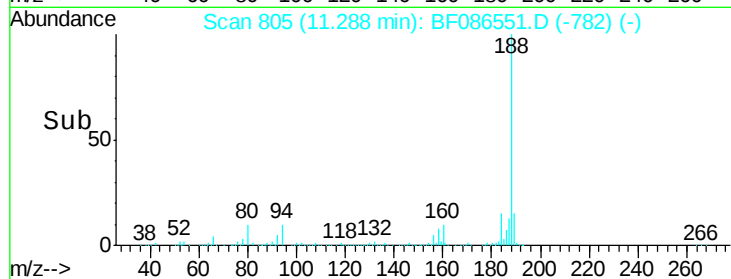
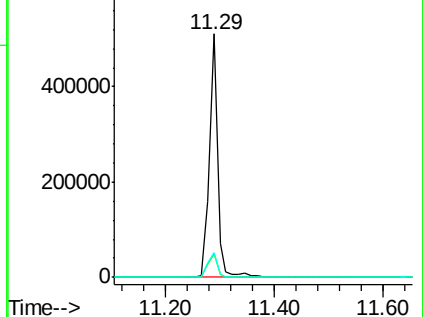
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 46.67 ng

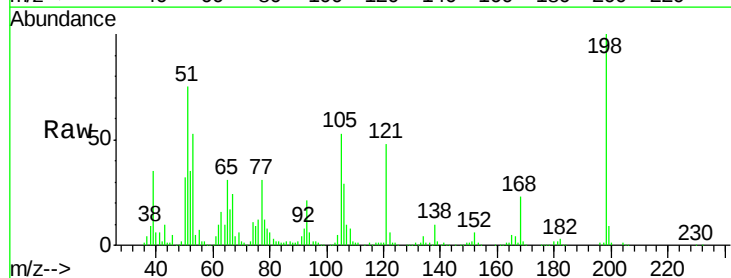
RT: 10.41 min Scan# 728

Delta R.T. -0.03 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

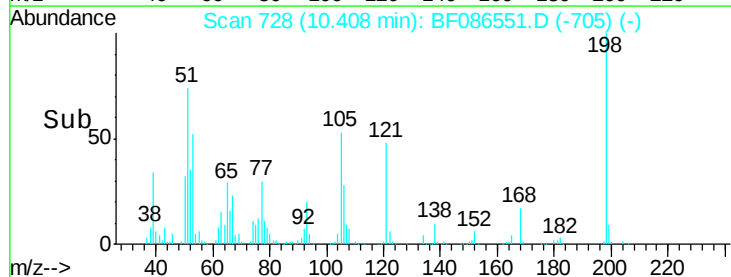
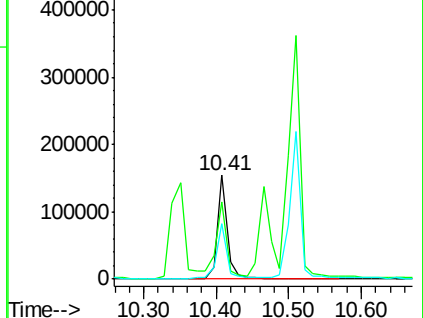
Tgt Ion:	198	Resp:	149013
Ion Ratio	Lower	Upper	
198	100		
51	74.7	20.5	60.5#
105	53.0	24.5	64.5

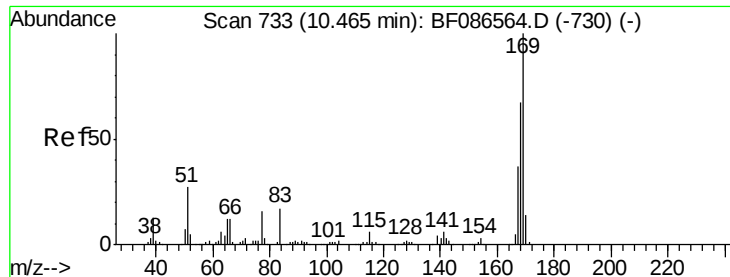


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 44.46 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.03 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Instrument :

BNA_F

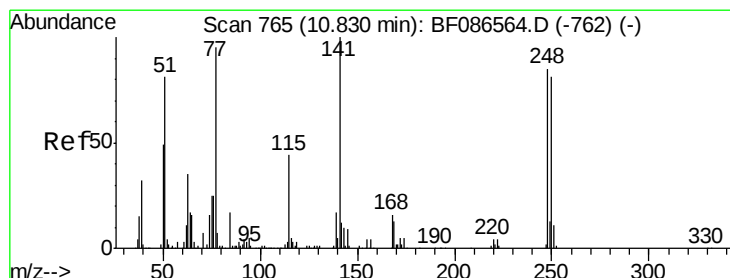
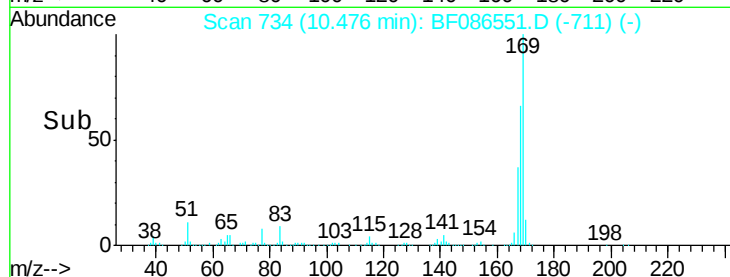
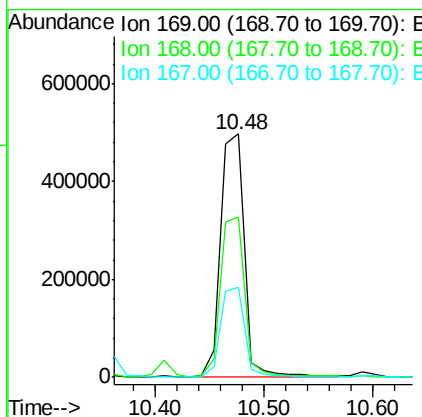
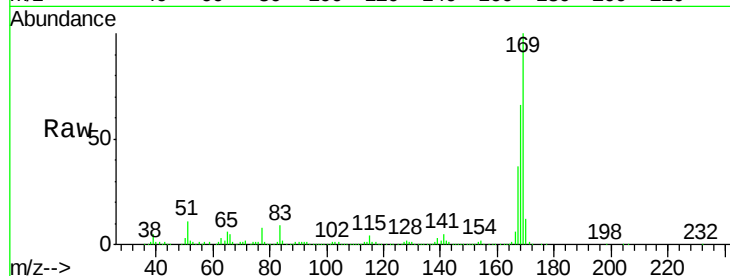
ClientSampleId :

HW-7-4-26-16MS

Tot Ion:	169	Resp:	755617
Ion Ratio	Lower	Upper	
169	100		
168	66.0	53.8	80.6
167	36.9	29.5	44.3

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#66

4-Bromophenyl-phenylether

Concen: 43.98 ng

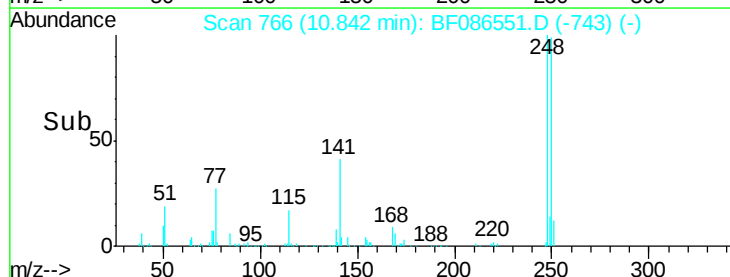
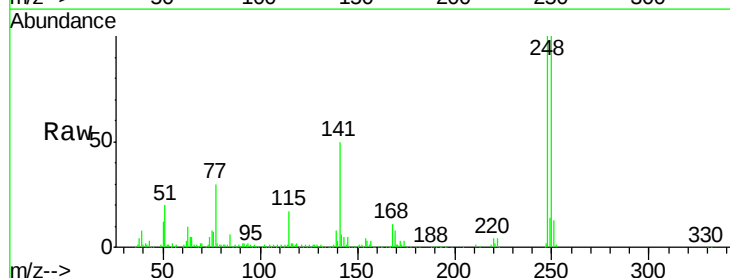
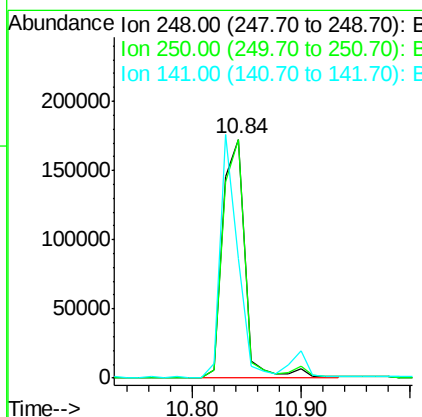
RT: 10.84 min Scan# 766

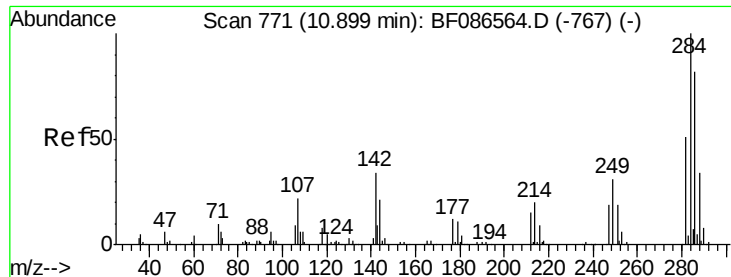
Delta R.T. -0.03 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Tgt Ion:	248	Resp:	246462
Ion Ratio	Lower	Upper	
248	100		
250	99.9	78.6	117.8
141	50.2	76.0	114.0#





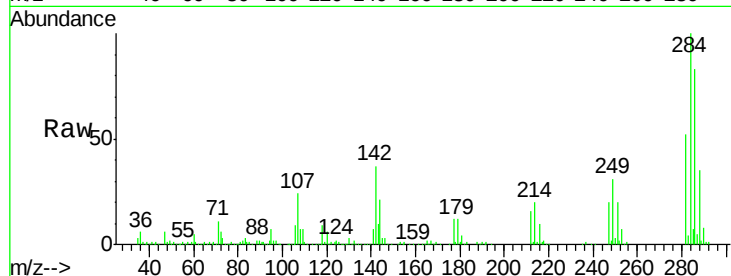
#67
Hexachlorobenzene
Concen: 42.24 ng
RT: 10.90 min Scan# 771
Delta R.T. -0.03 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Instrument :
BNA_F
ClientSampleId :
HW-7-4-26-16MS

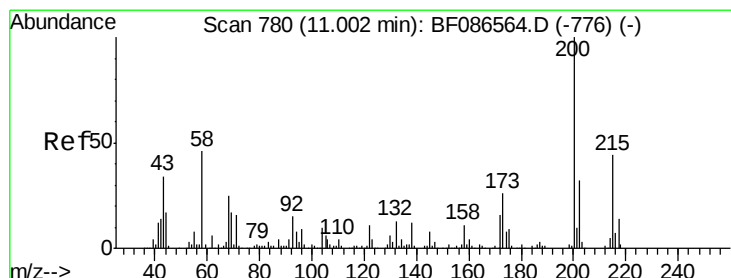
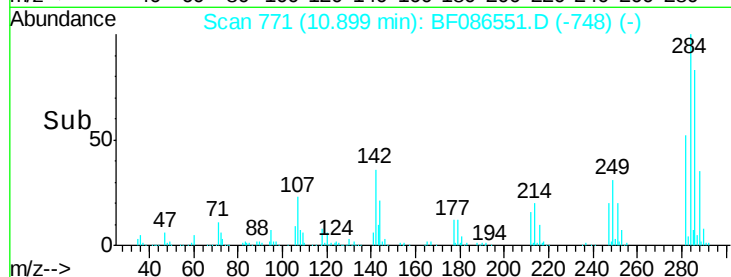
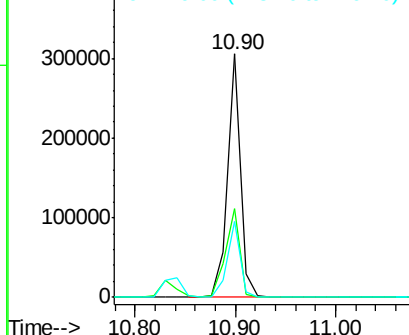
Tot Ion	Ratio	Resp	Lower	Upper
284	100	273969		
142	36.6	16.7	25.1#	
249	31.4	21.3	31.9	

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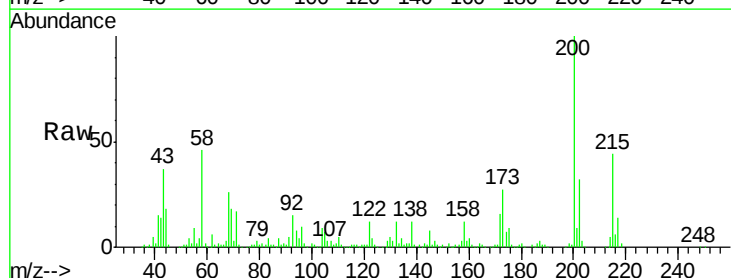


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

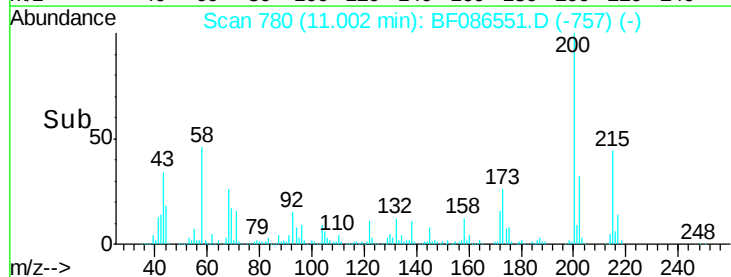
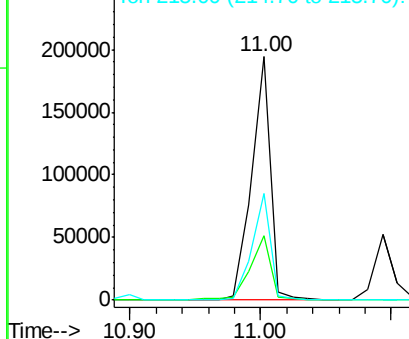


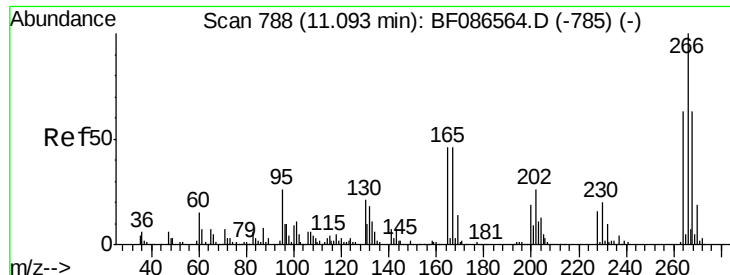
#68
Atrazine
Concen: 38.50 ng
RT: 11.00 min Scan# 780
Delta R.T. -0.03 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	196522		
173	26.5	8.5	48.5	
215	43.9	27.2	67.2	



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





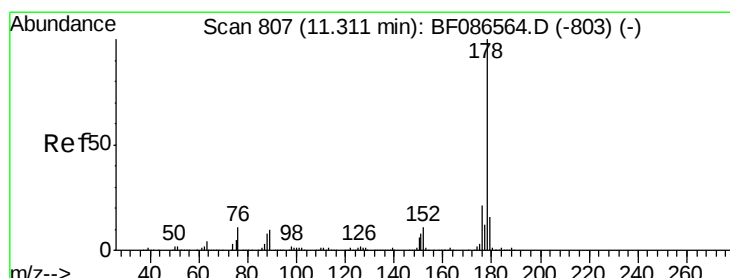
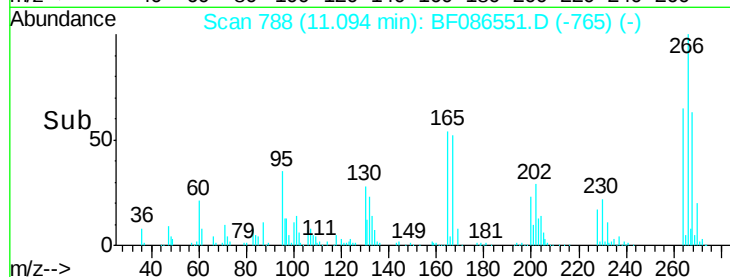
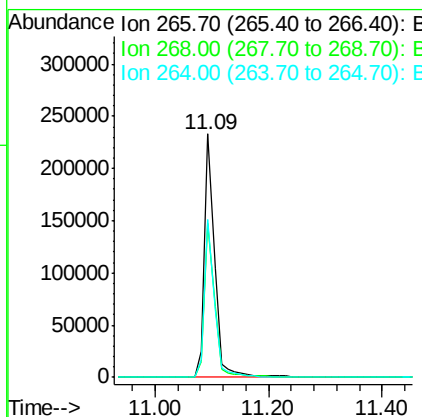
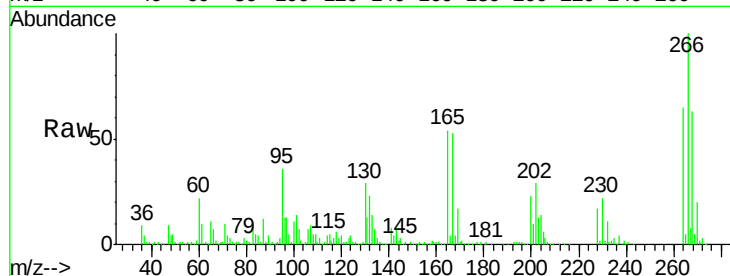
#69
 Pentachlorophenol
 Concen: 82.24 ng
 RT: 11.09 min Scan# 788
 Delta R.T. -0.03 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Instrument :
 BNA_F
 ClientSampleId :
 HW-7-4-26-16MS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	281232		
268	63.1	51.5	77.3	
264	65.0	52.9	79.3	

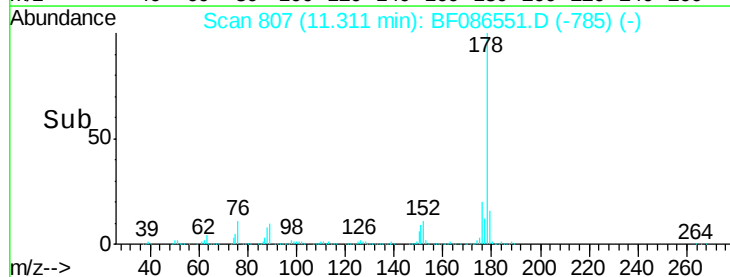
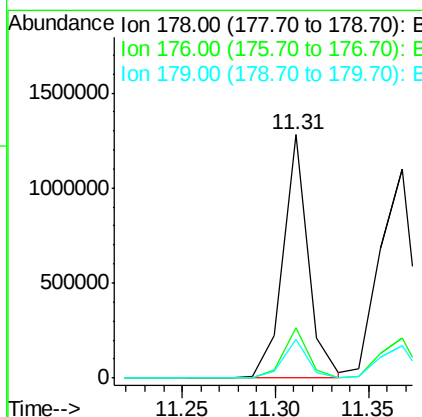
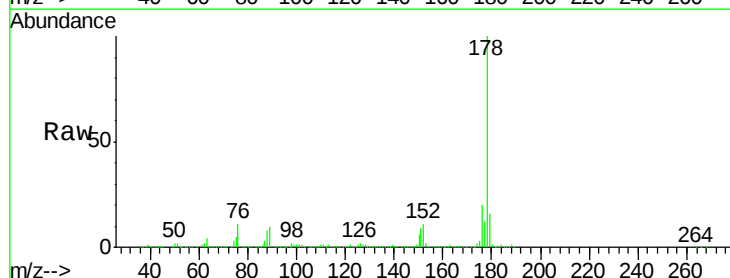
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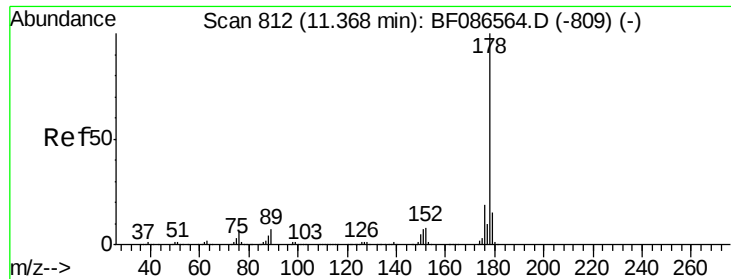
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#70
 Phenanthrene
 Concen: 42.09 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.05 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1201131		
176	20.4	16.0	24.0	
179	15.9	12.6	18.8	





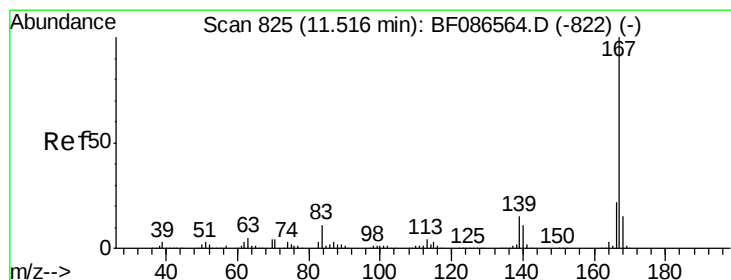
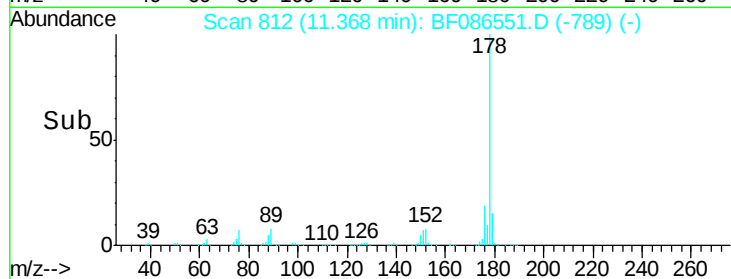
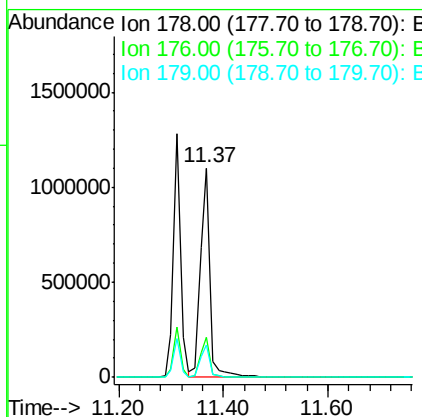
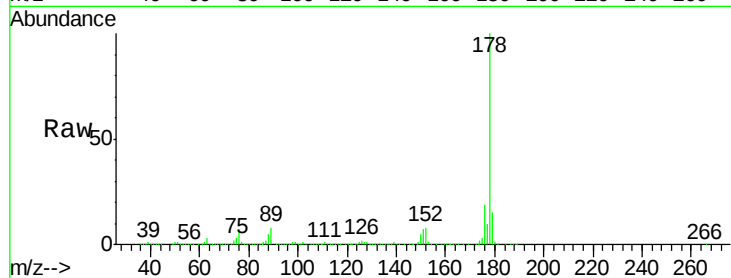
#71
 Anthracene
 Concen: 46.46 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.03 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Instrument :
 BNA_F
 ClientSampleId :
 HW-7-4-26-16MS

Tot Ion:178 Resp: 1415000
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.6 23.4
 179 15.4 12.7 19.1

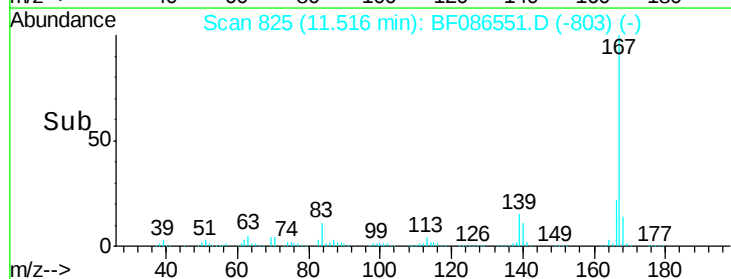
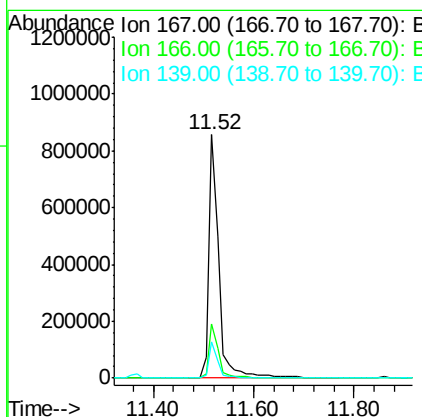
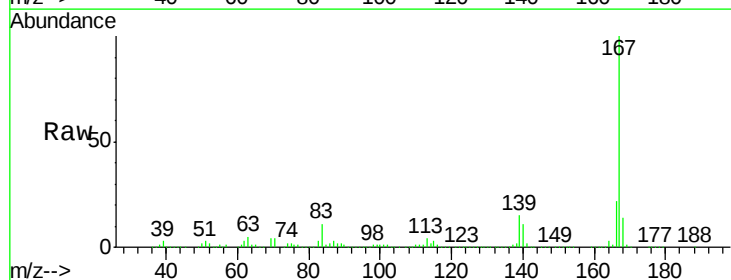
Manual Integrations
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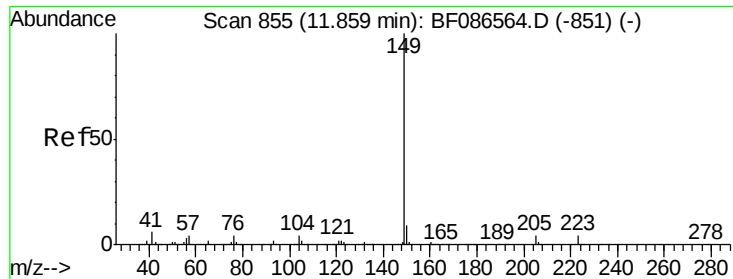
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#72
 Carbazole
 Concen: 43.65 ng
 RT: 11.52 min Scan# 825
 Delta R.T. -0.05 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Tgt Ion:167 Resp: 1178200
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.7 26.5
 139 14.9 10.8 16.2





#73

Di-n-butylphthalate

Concen: 47.95 ng

RT: 11.86 min Scan# 855

Delta R.T. -0.03 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Instrument :

BNA_F

ClientSampleId :

HW-7-4-26-16MS

Tot Ion:149 Resp: 1466238

Ion Ratio Lower Upper

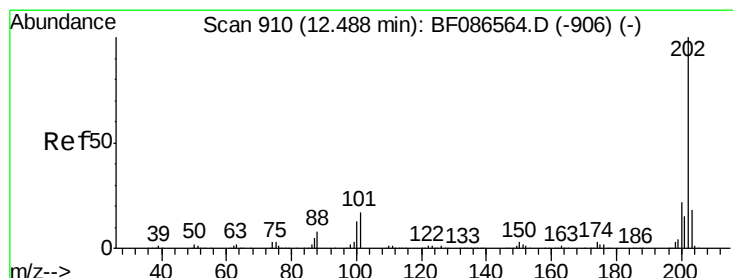
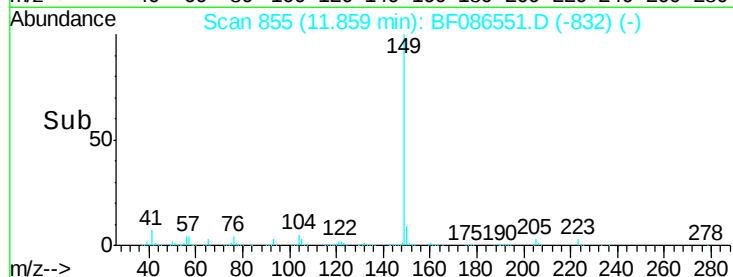
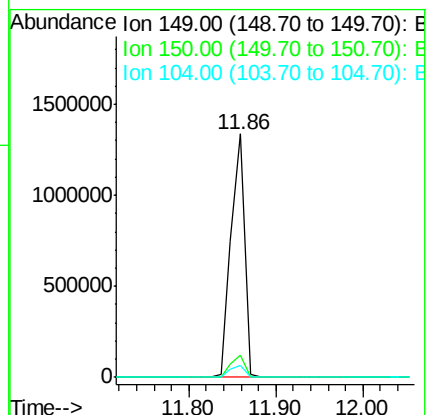
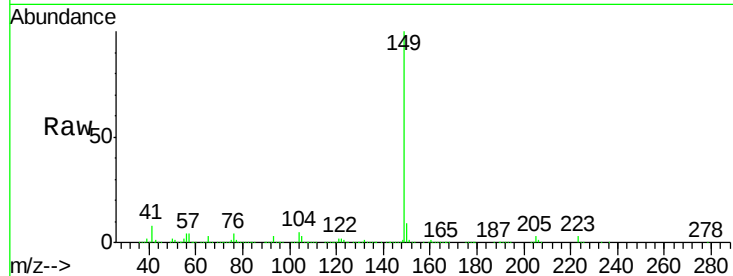
149 100

150 9.4 7.6 11.4

104 4.8 3.8 5.6

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#74

Fluoranthene

Concen: 46.13 ng

RT: 12.50 min Scan# 911

Delta R.T. -0.03 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

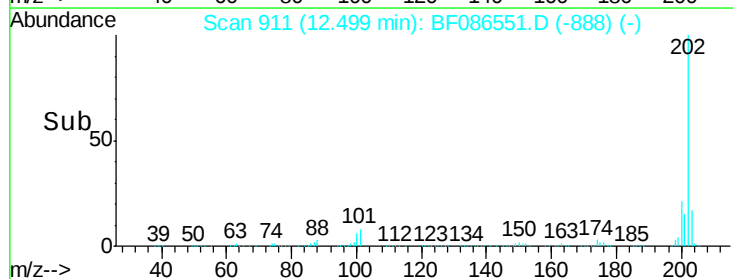
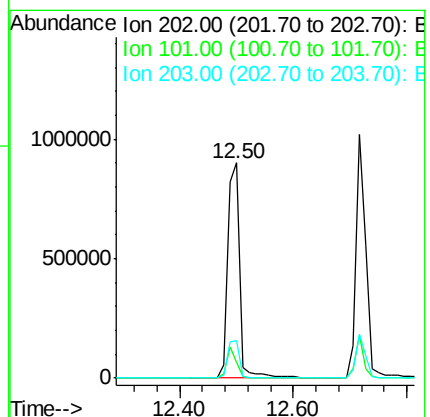
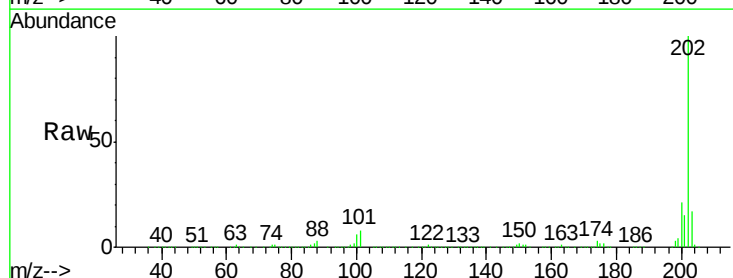
Tgt Ion:202 Resp: 1328888

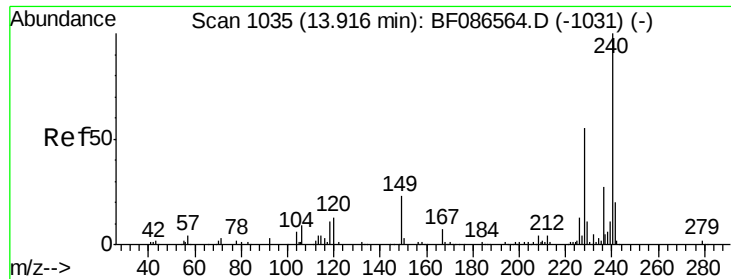
Ion Ratio Lower Upper

202 100

101 7.5 0.0 35.4

203 17.4 0.0 38.1





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.05 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Instrument :

BNA_F

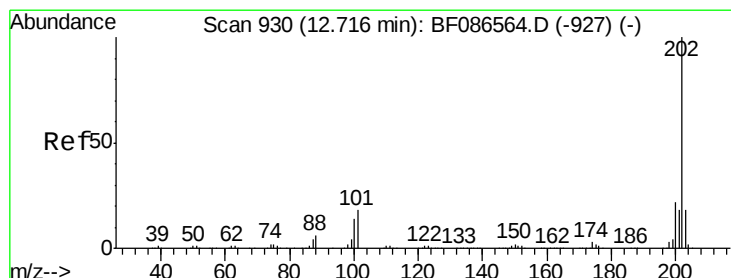
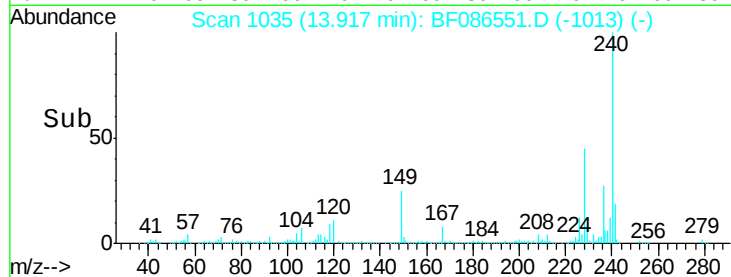
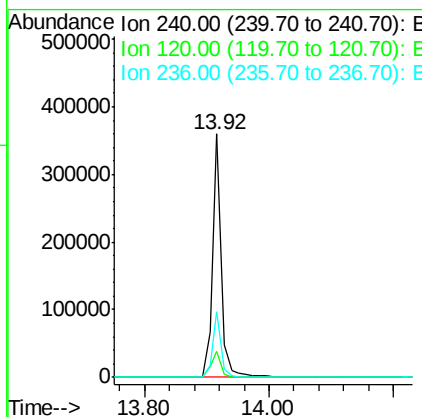
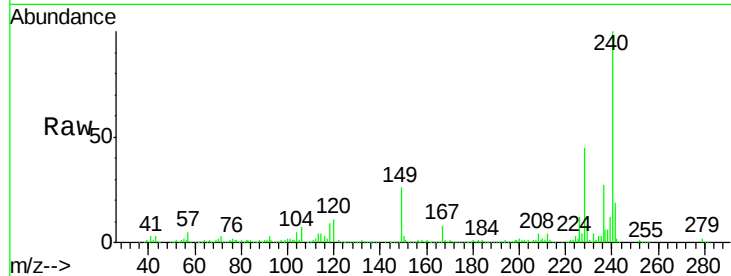
ClientSampleId :

HW-7-4-26-16MS

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	11.2	16.8#
236	26.9	21.2	31.8

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#77

Pyrene

Concen: 48.94 ng

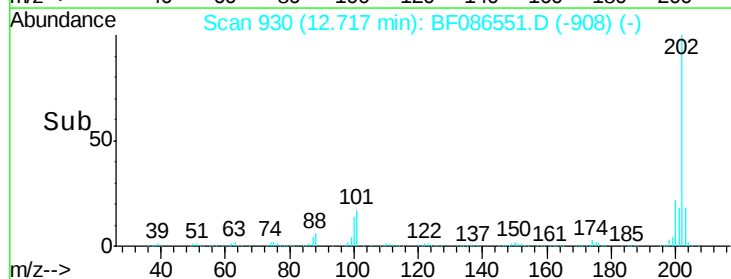
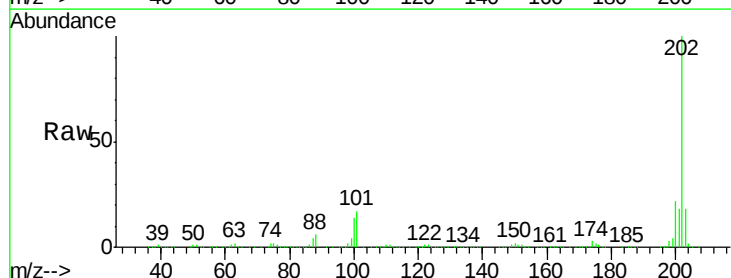
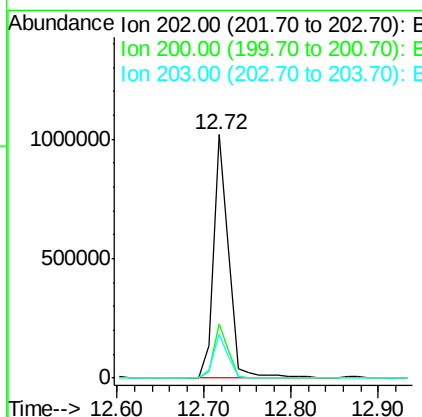
RT: 12.72 min Scan# 930

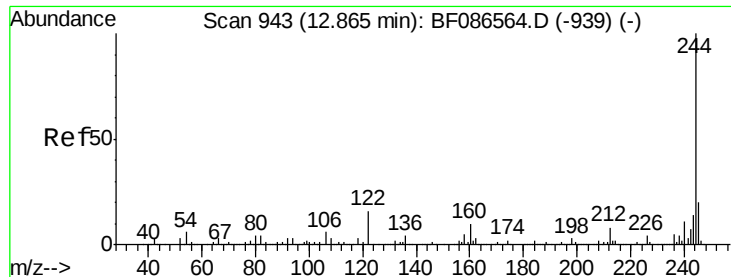
Delta R.T. -0.05 min

Lab File: BF086551.D

Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.7	26.5
203	18.0	14.2	21.4





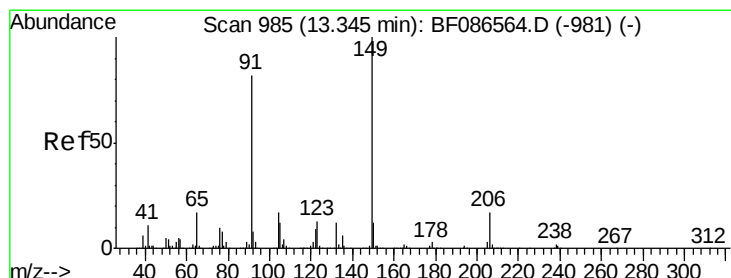
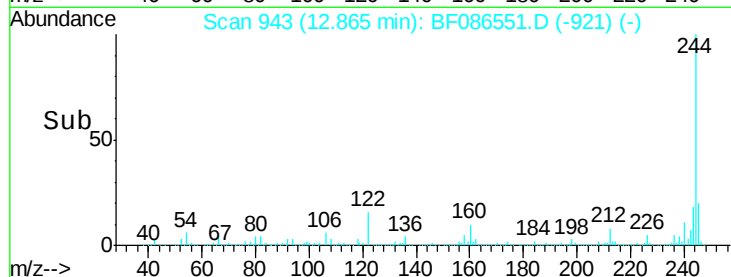
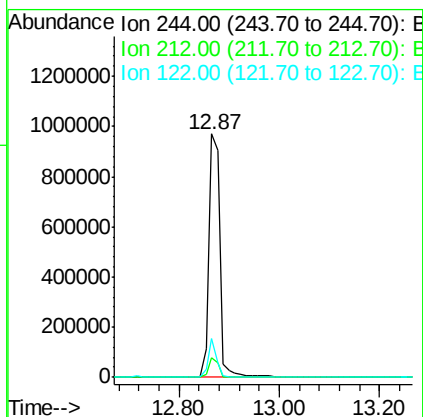
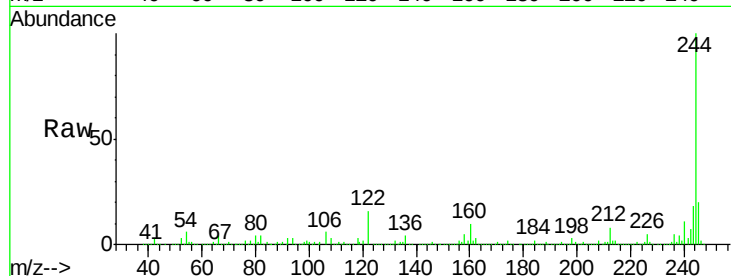
#78
 Terphenyl-d14
 Concen: 93.00 ng
 RT: 12.87 min Scan# 943
 Delta R.T. -0.05 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Instrument :
 BNA_F
 ClientSampleId :
 HW-7-4-26-16MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	16.2	12.0	18.0

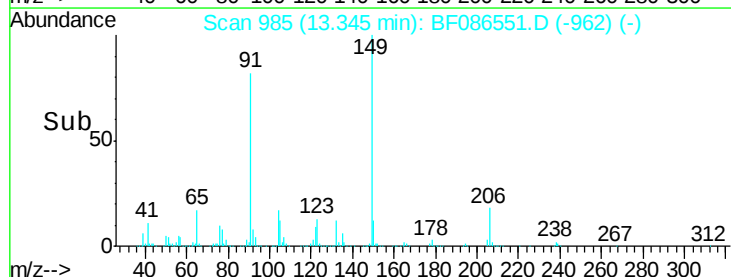
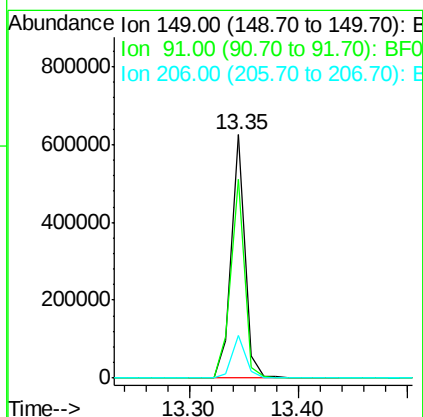
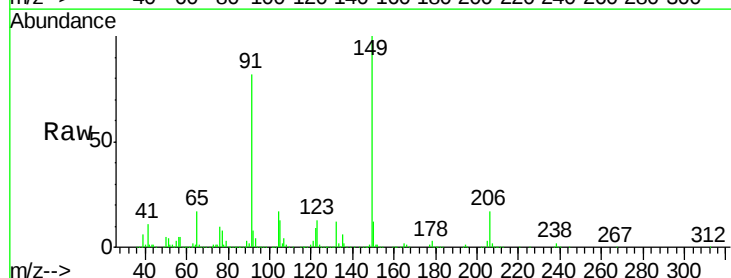
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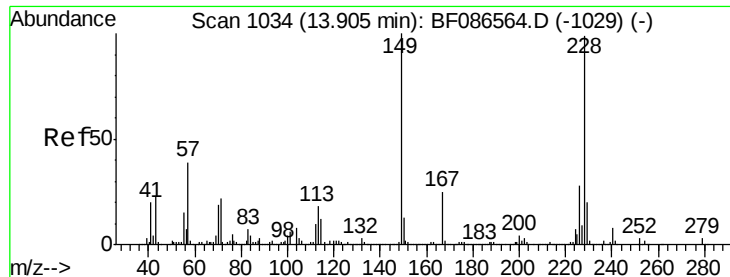
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#79
 Butylbenzylphthalate
 Concen: 49.62 ng
 RT: 13.35 min Scan# 985
 Delta R.T. -0.03 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Lower	Upper
149	100		
91	81.8	48.0	72.0#
206	17.5	15.8	23.6





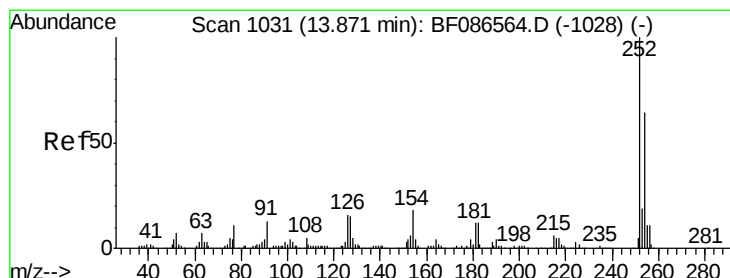
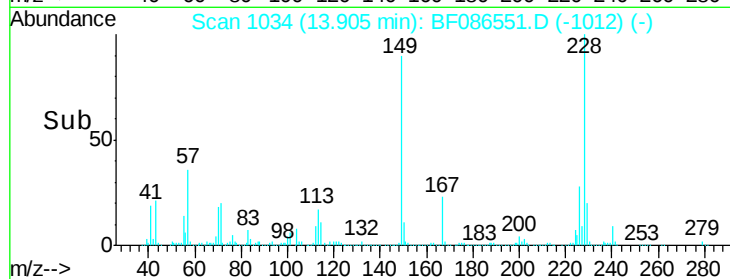
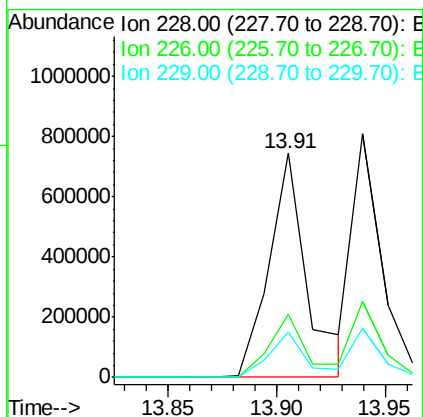
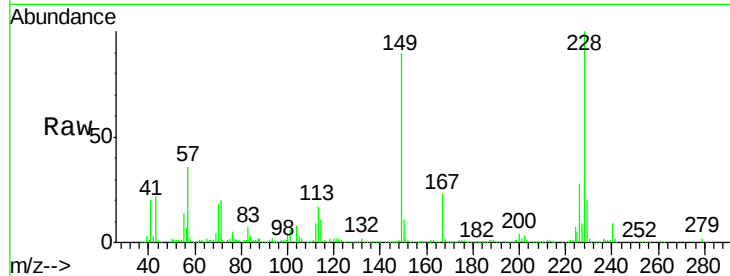
#80
 Benzo(a)anthracene
 Concen: 48.60 ng
 RT: 13.91 min Scan# 1034
 Delta R.T. -0.05 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Instrument :
 BNA_F
 ClientSampleId :
 HW-7-4-26-16MS

Tot Ion:	228	Resp:	911281
Ion Ratio	Lower	Upper	
228	100		
226	28.2	22.5	33.7
229	20.1	16.6	25.0

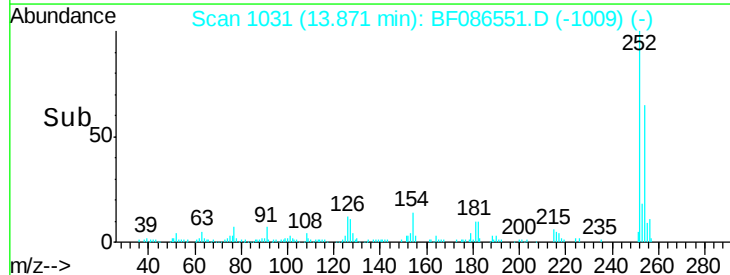
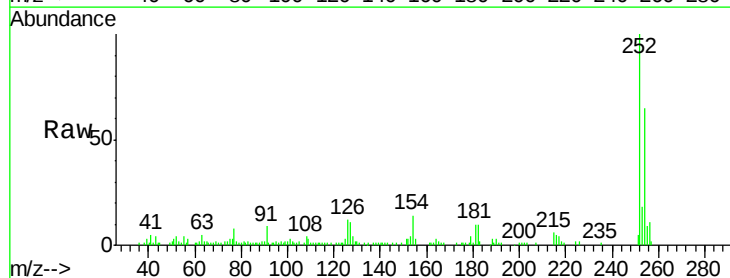
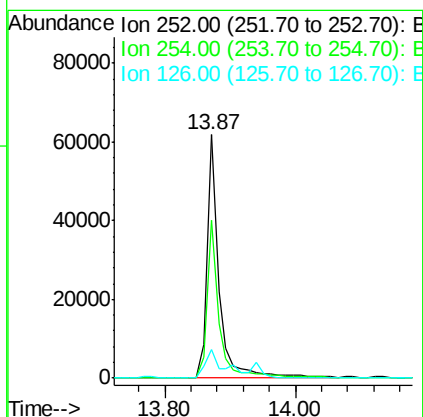
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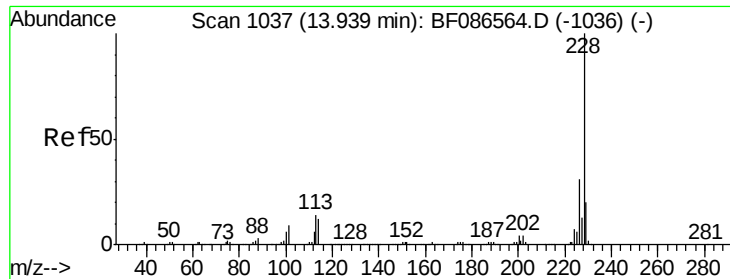
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#81
 3,3'-Dichlorobenzidine
 Concen: 6.33 ng
 RT: 13.87 min Scan# 1031
 Delta R.T. -0.05 min
 Lab File: BF086551.D
 Acq: 1 May 2016 5:14

Tgt Ion:	252	Resp:	79352
Ion Ratio	Lower	Upper	
252	100		
254	64.6	50.7	76.1
126	11.9	12.7	19.1#





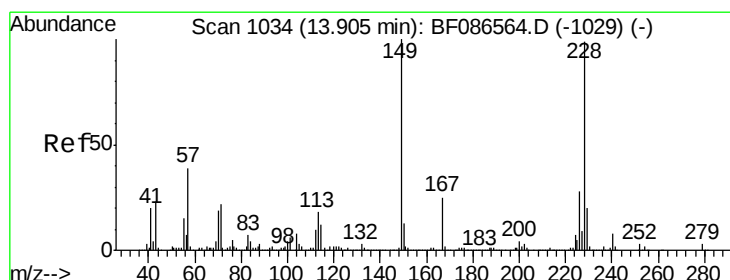
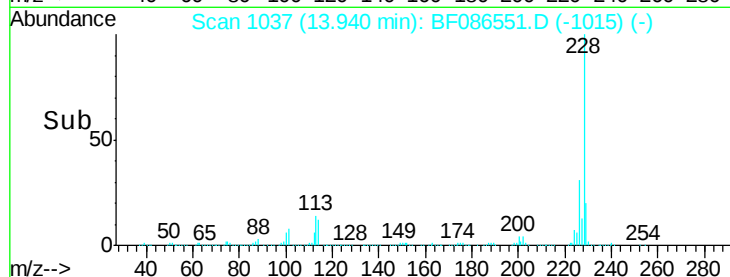
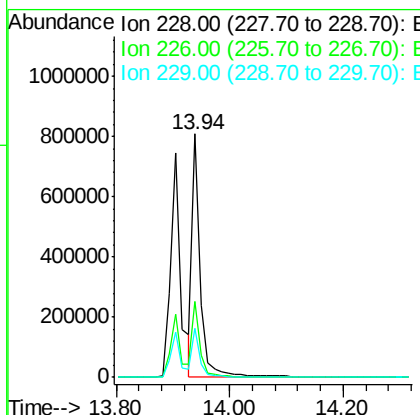
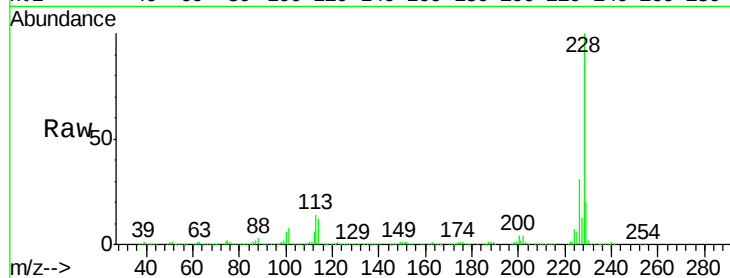
#82
Chrysene
Concen: 40.63 ng
RT: 13.94 min Scan# 1037
Delta R.T. -0.05 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Instrument :
BNA_F
ClientSampleId :
HW-7-4-26-16MS

Tot Ion	Ratio	Resp	Lower	Upper
228	100	828091		
226	31.2		24.4	36.6
229	20.3		15.8	23.8

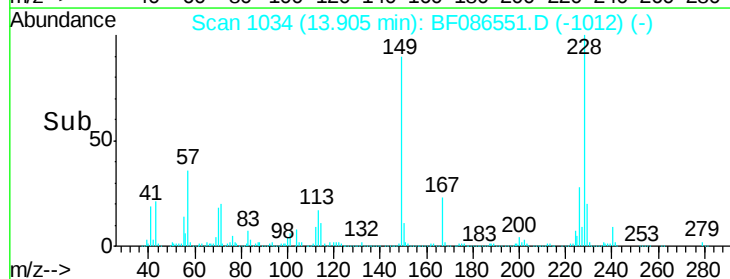
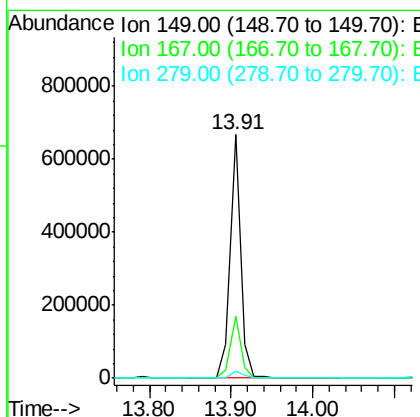
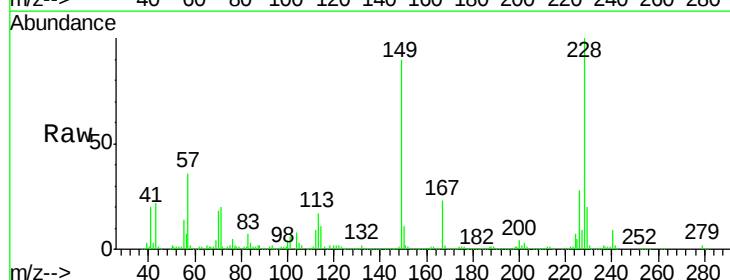
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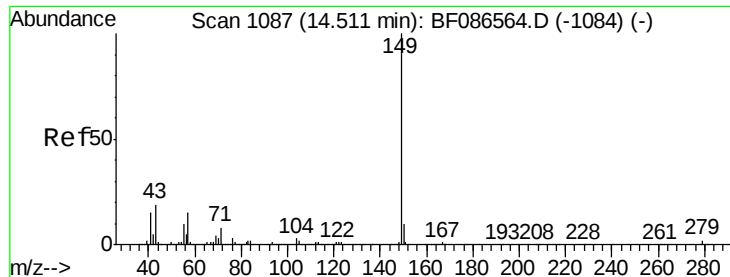
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#83
Bis(2-ethylhexyl)phthalate
Concen: 43.46 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	592136		
167	25.5		21.8	32.6
279	2.7		2.6	4.0





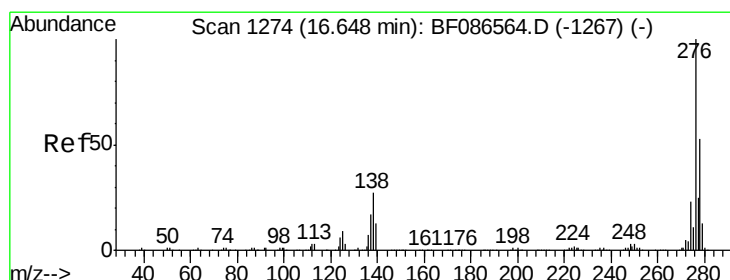
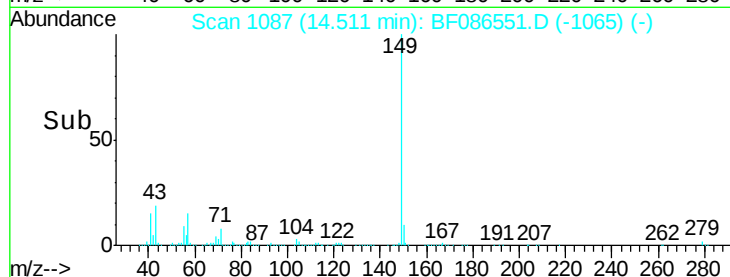
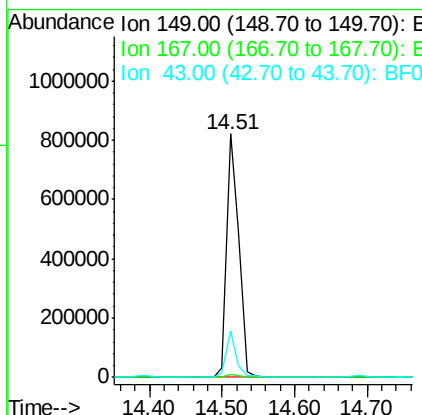
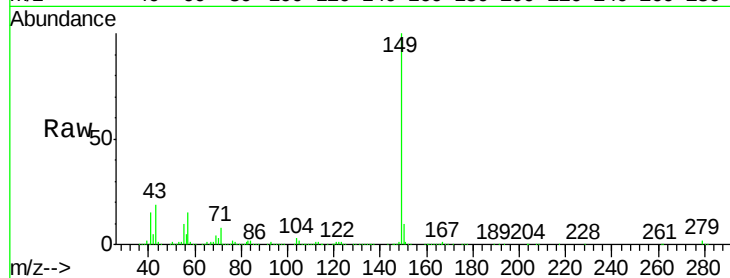
#84
Di-n-octyl phthalate
Concen: 44.38 ng
RT: 14.51 min Scan# 1087
Delta R.T. -0.05 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Instrument :
BNA_F
ClientSampleId :
HW-7-4-26-16MS

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	1.6	1.2	1.8
43	15.3	8.2	12.4

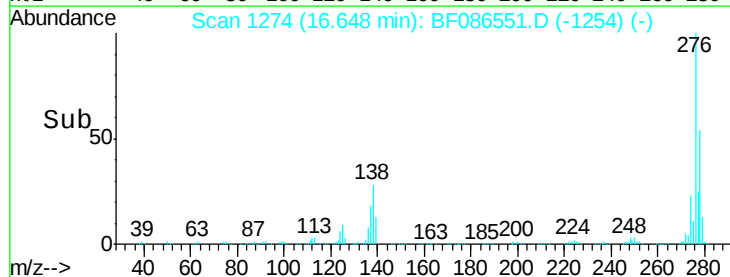
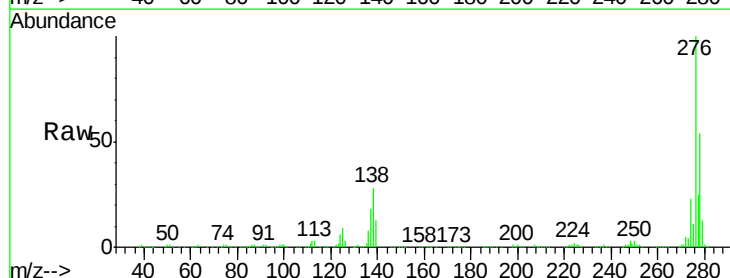
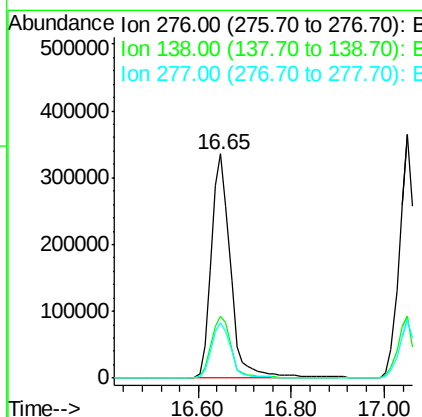
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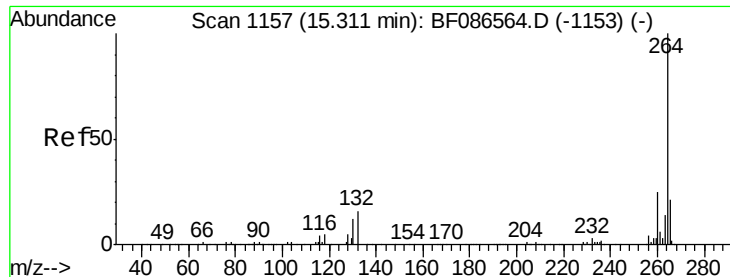
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#85
Indeno(1,2,3-cd)pyrene
Concen: 64.13 ng
RT: 16.65 min Scan# 1274
Delta R.T. -0.07 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	29.2	25.6	38.4
277	25.4	20.5	30.7





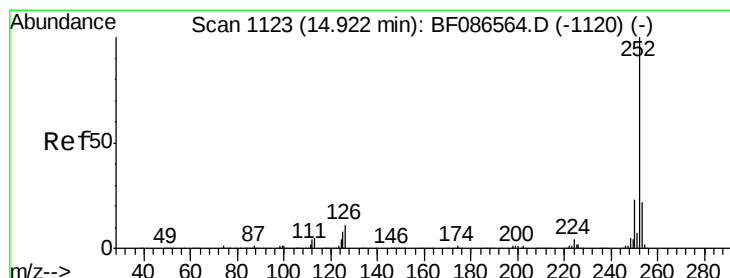
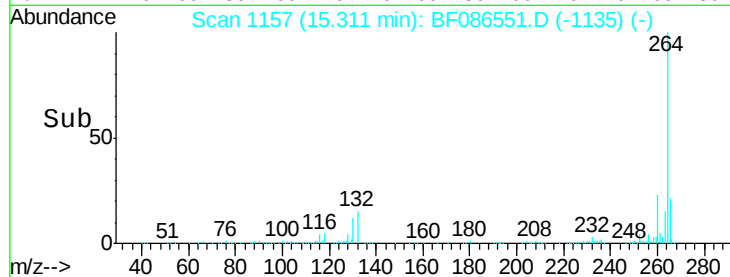
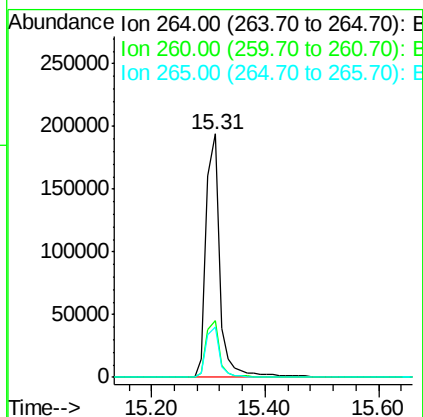
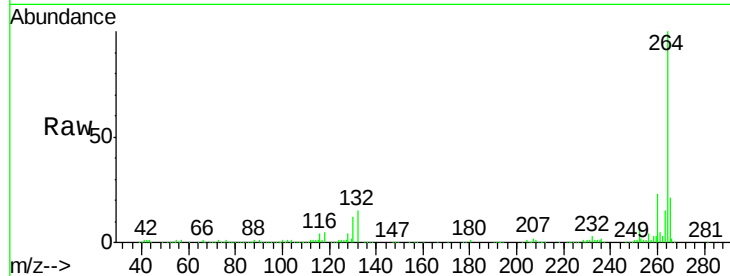
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1157
Delta R.T. -0.05 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Instrument :
BNA_F
ClientSampleId :
HW-7-4-26-16MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	23.4	19.5	29.3		
265	20.7	17.3	25.9		

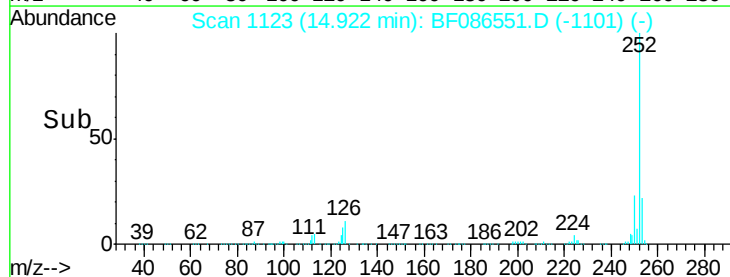
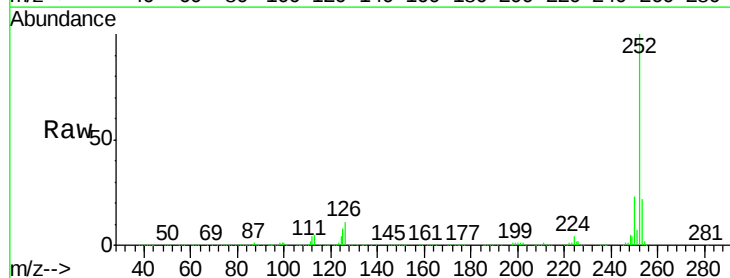
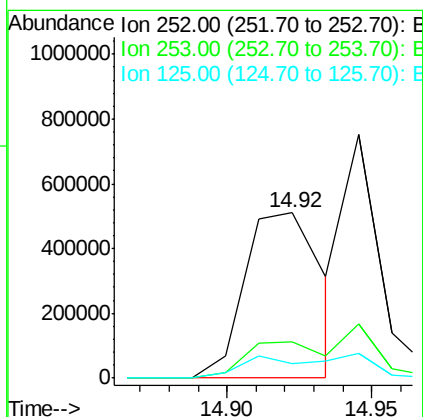
Manual Integrations
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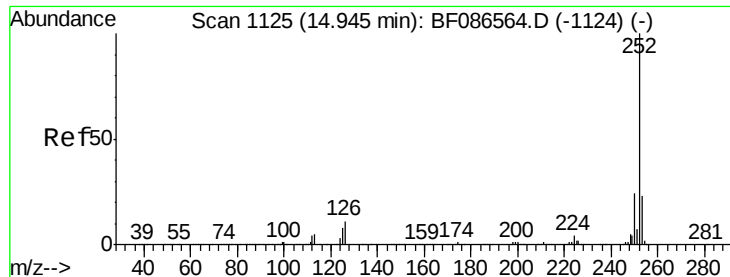
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#87
Benzo(b)fluoranthene
Concen: 51.42 ng m
RT: 14.92 min Scan# 1123
Delta R.T. -0.05 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	21.9	17.8	26.6		
125	8.4	11.4	17.0		





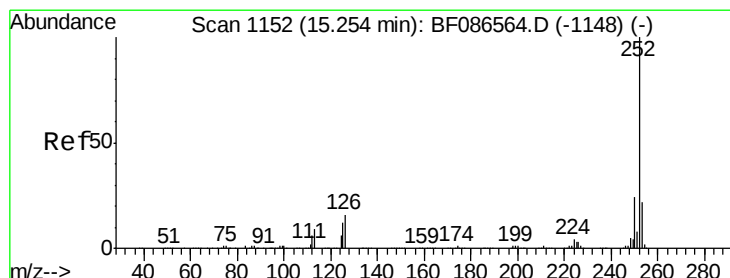
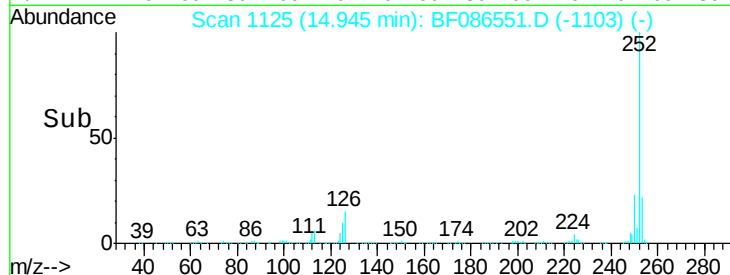
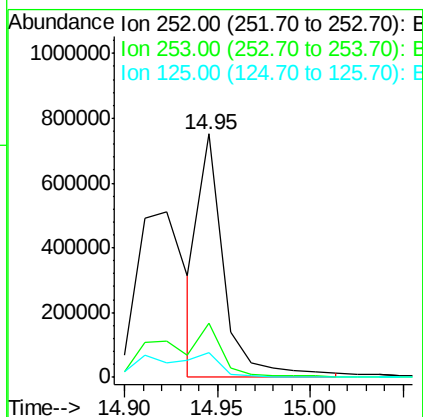
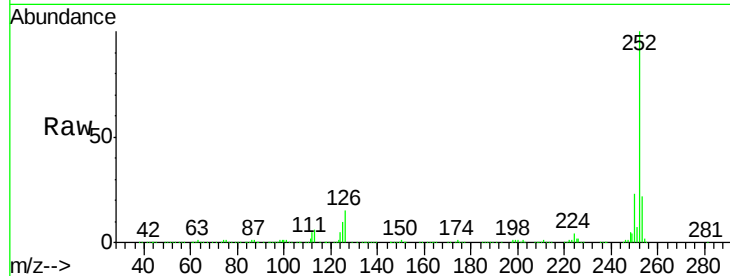
#88
Benzo(k)fluoranthene
Concen: 36.25 ng m
RT: 14.95 min Scan# 1125
Delta R.T. -0.05 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Instrument :
BNA_F
ClientSampleId :
HW-7-4-26-16MS

Tot Ion:	252	Resp:	697461
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.8	26.6
125	10.0	9.1	13.7

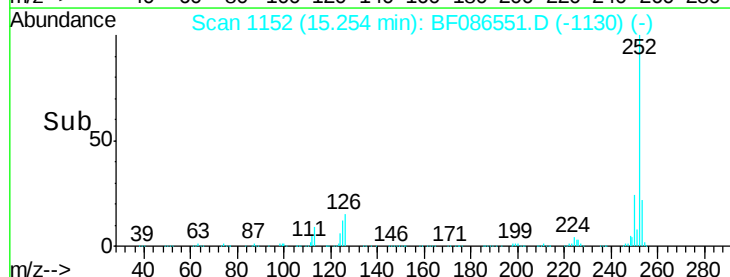
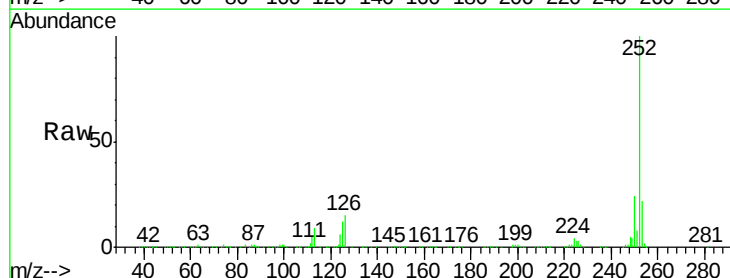
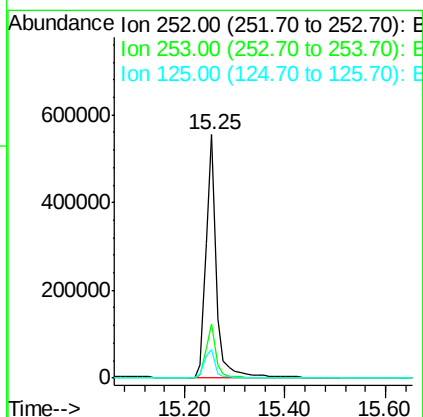
Manual Integrations
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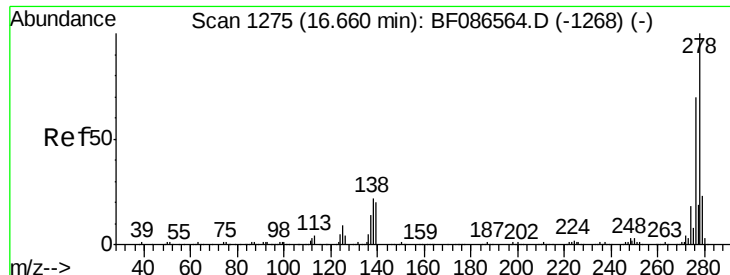
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#89
Benzo(a)pyrene
Concen: 45.20 ng
RT: 15.25 min Scan# 1152
Delta R.T. -0.05 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tgt Ion:	252	Resp:	787198
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.2	25.8
125	11.7	9.0	13.6





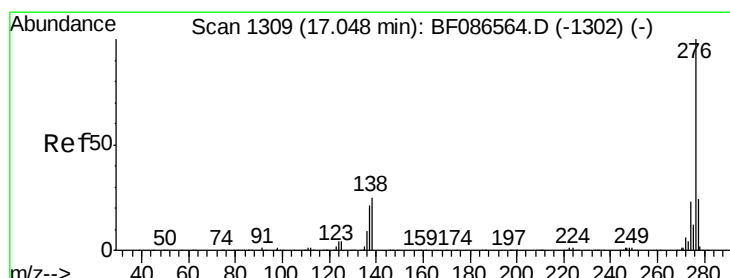
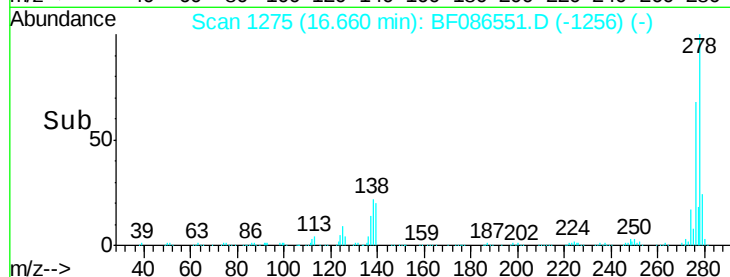
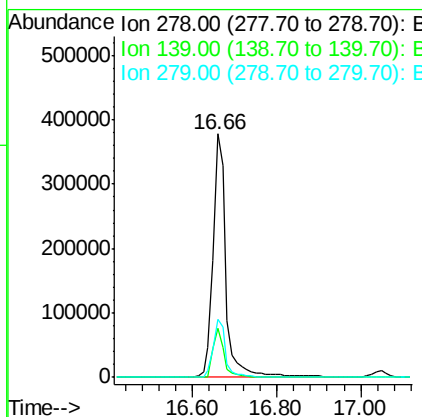
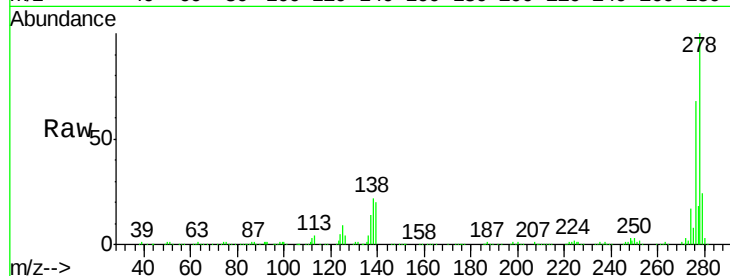
#90
Dibenzo(a,h)anthracene
Concen: 56.88 ng
RT: 16.66 min Scan# 1275
Delta R.T. -0.08 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Instrument :
BNA_F
ClientSampleId :
HW-7-4-26-16MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.2	16.6	24.8
279	23.8	19.6	29.4

Manual Integrations
APPROVED

sohil
5/2/2016 7:57:40 PM



#91
Benzo(g,h,i)perylene
Concen: 58.04 ng
RT: 17.05 min Scan# 1309
Delta R.T. -0.08 min
Lab File: BF086551.D
Acq: 1 May 2016 5:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.6	29.4
138	25.6	23.6	35.4

