

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043016\
 Data File : BF086552.D
 Acq On : 1 May 2016 5:42
 Operator : UM/SJ
 Sample : H2737-04MSD
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

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

Manual Integrations
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 5/2/2016 7:54:46 PM

Quant Time: May 02 17:20:24 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	134534	20.00	ng	-0.05
21) Naphthalene-d8	8.05	136	581494	20.00	ng	-0.05
38) Acenaphthene-d10	9.80	164	273144	20.00	ng	-0.05
63) Phenanthrene-d10	11.29	188	536676	20.00	ng	-0.03
75) Chrysene-d12	13.92	240	338483	20.00	ng	-0.05
86) Perylene-d12	15.31	264	308475	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	561196	71.95	ng	-0.03
7) Phenol-d6	6.41	99	513001	47.13	ng	-0.03
23) Nitrobenzene-d5	7.33	82	1008485	93.48	ng	-0.05
41) 2,4,6-Tribromophenol	10.60	330	428274	148.68	ng	-0.03
44) 2-Fluorobiphenyl	9.14	172	1682093	115.96	ng	-0.03
78) Terphenyl-d14	12.87	244	1510660	98.33	ng	-0.05

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.34	88	68285	16.67	ng	# 76
3) Pyridine	3.06	79	127877m	13.19	ng	
4) n-Nitrosodimethylamine	2.97	42	107642	19.48	ng	# 59
6) Aniline	6.43	93	249826	18.97	ng	93
8) 2-Chlorophenol	6.54	128	331056	34.08	ng	# 74
9) Benzaldehyde	6.30	77	56382	8.90	ng	97
10) Phenol	6.42	94	187587	15.45	ng	# 68
11) bis(2-Chloroethyl)ether	6.50	93	425076	40.49	ng	# 83
12) 1,3-Dichlorobenzene	6.70	146	393356m	37.64	ng	
13) 1,4-Dichlorobenzene	6.78	146	413020	38.31	ng	96
14) 1,2-Dichlorobenzene	6.93	146	364361	36.85	ng	95
15) Benzyl Alcohol	6.91	79	228420	33.17	ng	90
16) 2,2'-oxybis(1-Chloropropan	7.05	45	879732	41.86	ng	90
17) 2-Methylphenol	7.04	107	251686	32.05	ng	# 94
18) Hexachloroethane	7.28	117	143548	35.63	ng	98
19) n-Nitroso-di-n-propylamine	7.18	70	331589	46.08	ng	# 69
20) 3+4-Methylphenols	7.18	107	245651	27.40	ng	# 70
22) Acetophenone	7.18	105	608043	47.69	ng	# 97
24) Nitrobenzene	7.36	77	521306	46.98	ng	96
25) Isophorone	7.60	82	906076	43.64	ng	98
26) 2-Nitrophenol	7.68	139	218392	42.74	ng	93
27) 2,4-Dimethylphenol	7.72	122	342211	38.17	ng	96
28) bis(2-Chloroethoxy)methane	7.81	93	561506	49.64	ng	99
29) 2,4-Dichlorophenol	7.92	162	341596	45.16	ng	98
30) 1,2,4-Trichlorobenzene	8.00	180	343802	39.18	ng	96
31) Naphthalene	8.08	128	1244392	42.06	ng	99
32) Benzoic acid	7.81	122	66410	18.78	ng	96
33) 4-Chloroaniline	8.13	127	222439	20.07	ng	99
34) Hexachlorobutadiene	8.19	225	173031	35.17	ng	97
35) Caprolactam	8.50	113	18310	7.26	ng	# 49
36) 4-Chloro-3-methylphenol	8.61	107	361172	41.70	ng	99
37) 2-Methylnaphthalene	8.76	142	780331	44.69	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.93	216	327434	41.88	ng	97
40) Hexachlorocyclopentadiene	8.92	237	276098	71.06	ng	94

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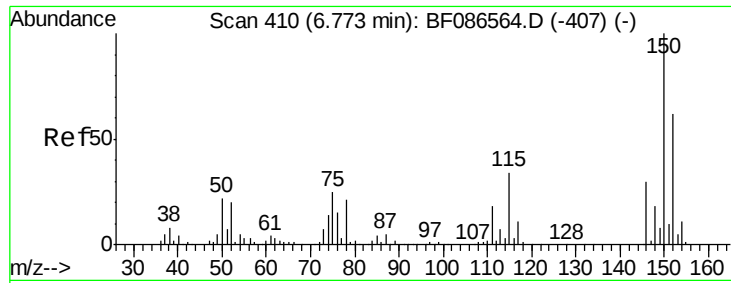
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.05	196	237385	48.03	nq	95
43) 2,4,5-Trichlorophenol	9.09	196	233251	43.30	nq #	91
45) 1,1'-Biphenyl	9.23	154	950109	41.62	nq	97
46) 2-Chloronaphthalene	9.25	162	727538	41.91	nq	93
47) 2-Nitroaniline	9.36	65	310836	55.84	nq	89
48) Acenaphthylene	9.66	152	1148692	42.33	nq	99
49) Dimethylphthalate	9.54	163	928895	45.17	nq	99
50) 2,6-Dinitrotoluene	9.60	165	195092	45.92	nq #	85
51) Acenaphthene	9.84	154	830806	47.67	nq	99
52) 3-Nitroaniline	9.77	138	117390	24.30	nq	99
53) 2,4-Dinitrophenol	9.87	184	190227	81.71	nq #	75
54) Dibenzofuran	10.01	168	1036461	47.58	nq	94
55) 4-Nitrophenol	9.94	139	102680	32.46	nq	84
56) 2,4-Dinitrotoluene	10.00	165	259707	47.96	nq #	87
57) Fluorene	10.35	166	747007	39.50	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.13	232	217156	51.56	nq	97
59) Diethylphthalate	10.24	149	890347	45.74	nq	98
60) 4-Chlorophenyl-phenylether	10.35	204	384740	44.81	nq #	86
61) 4-Nitroaniline	10.38	138	216308	45.80	nq	90
62) Azobenzene	10.51	77	1068828	50.13	nq	89
64) 4,6-Dinitro-2-methylphenol	10.41	198	146323	46.44	nq #	72
65) n-Nitrosodiphenylamine	10.46	169	707436	42.18	nq	100
66) 4-Bromophenyl-phenylether	10.83	248	236621	42.79	nq #	87
67) Hexachlorobenzene	10.90	284	265871	41.54	nq #	81
68) Atrazine	11.00	200	246540	48.95	nq	95
69) Pentachlorophenol	11.09	266	275295	81.57	nq	96
70) Phenanthrene	11.31	178	1165516	41.38	nq	99
71) Anthracene	11.37	178	1349721	44.91	nq	99
72) Carbazole	11.52	167	1139889	42.79	nq	98
73) Di-n-butylphthalate	11.86	149	1399590	46.38	nq	99
74) Fluoranthene	12.49	202	1281481	45.08	nq	100
77) Pyrene	12.72	202	1187963	48.71	nq	99
79) Butylbenzylphthalate	13.35	149	516237	48.87	nq #	77
80) Benzo(a)anthracene	13.91	228	892617	49.46	nq	99
81) 3,3'-Dichlorobenzidine	13.87	252	149010	12.35	nq #	98
82) Chrysene	13.94	228	820453	41.83	nq	99
83) Bis(2-ethylhexyl)phthalate	13.91	149	558745	42.61	nq	97
84) Di-n-octyl phthalate	14.51	149	910645	44.35	nq #	88
85) Indeno(1,2,3-cd)pyrene	16.65	276	935849	64.39	nq	97
87) Benzo(b)fluoranthene	14.92	252	917171m	50.54	nq	
88) Benzo(k)fluoranthene	14.95	252	671639m	35.48	nq	
89) Benzo(a)pyrene	15.25	252	769676	44.92	nq	100
90) Dibenzo(a,h)anthracene	16.66	278	780269	55.65	nq	99
91) Benzo(g,h,i)perylene	17.05	276	813748	57.91	nq	94

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



#1

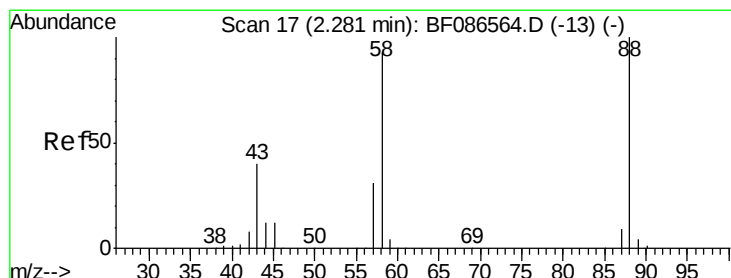
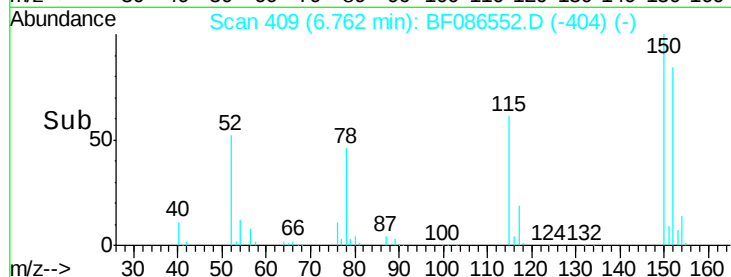
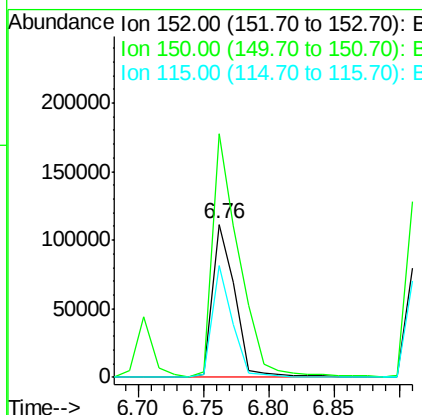
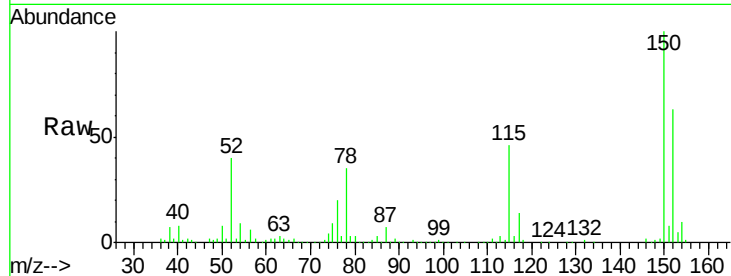
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 409
Delta R.T. -0.05 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	125.8	188.6
115	72.7	51.5	77.3

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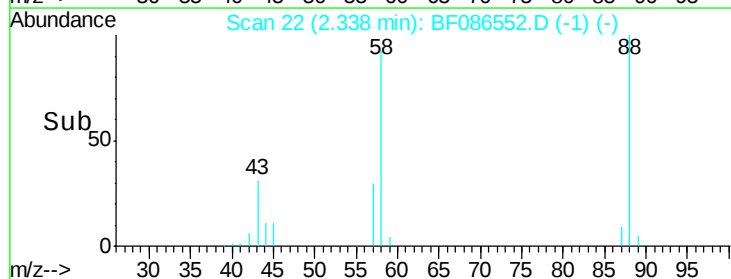
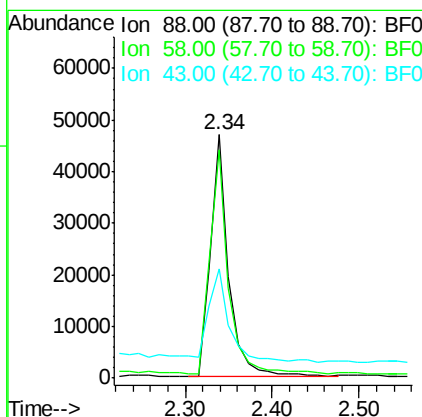
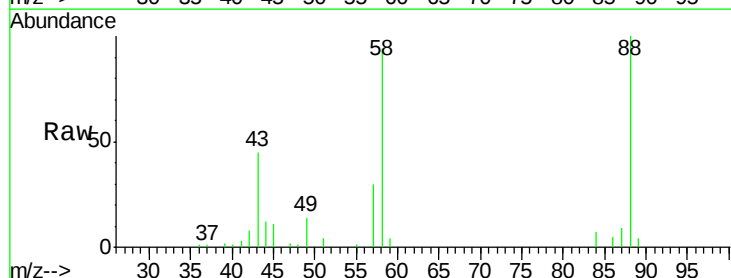
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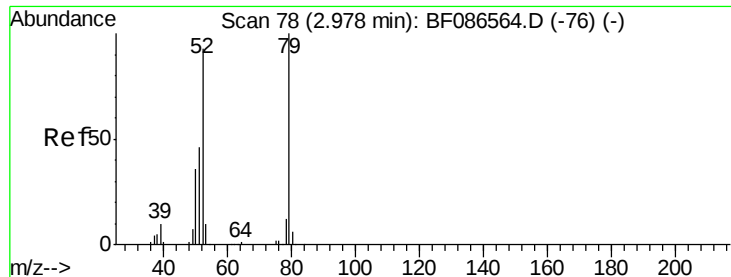


#2

1,4-Dioxane
Concen: 16.67 ng
RT: 2.34 min Scan# 22
Delta R.T. -0.02 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

Tgt Ion	Ratio	Lower	Upper
88	100		
58	92.8	59.6	89.4#
43	44.0	21.8	32.6#





#3

Pvridine

Concen: 13.19 ng/ml

RT: 3.06 min Scan# 85

Delta R.T. 0.00 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Instrument :

BNA_F

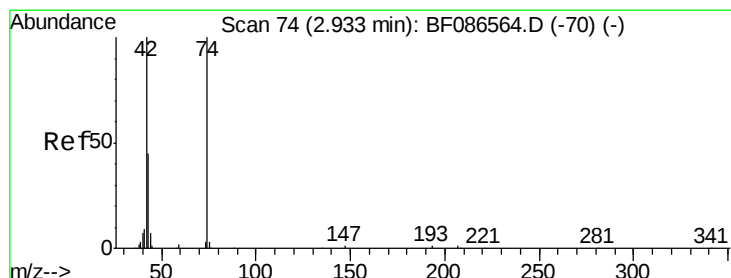
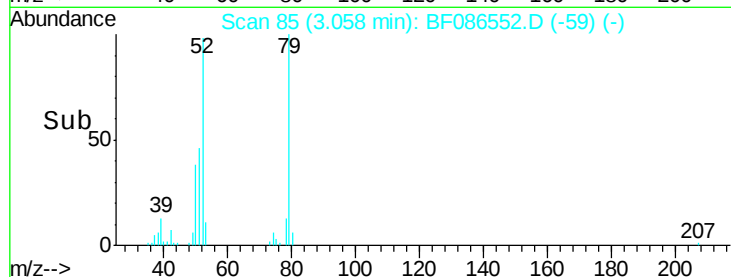
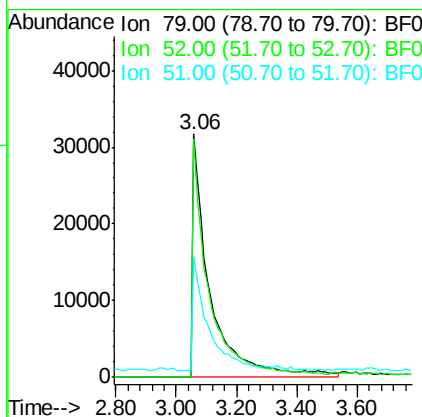
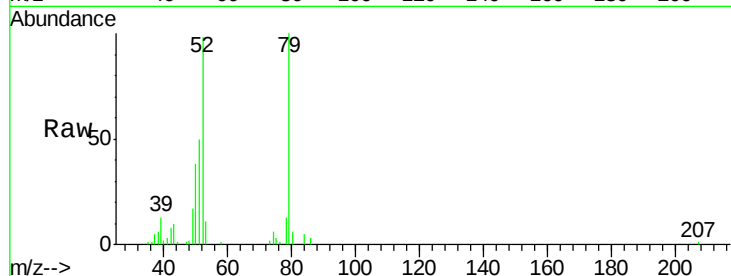
ClientSampleId :

HW-7-4-26-16MSD

Tot Ion:	79	Resp:	127877
Ion Ratio	Lower	Upper	
79	100		
52	97.7	55.9	83.9#
51	49.6	28.1	42.1#

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#4

n-Nitrosodimethylamine

Concen: 19.48 ng/ml

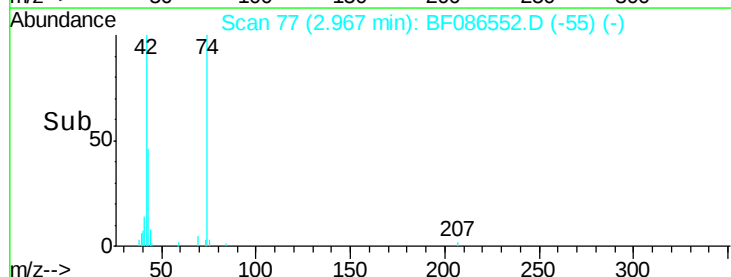
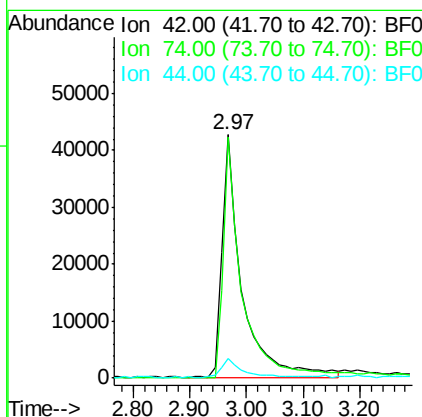
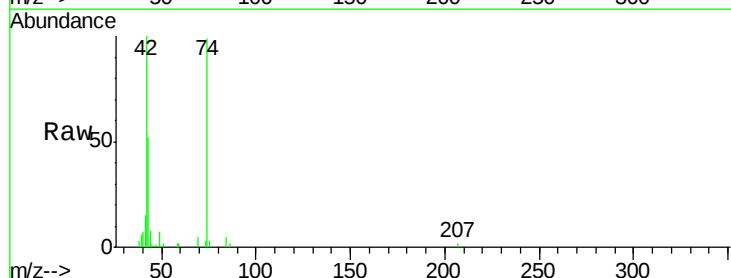
RT: 2.97 min Scan# 77

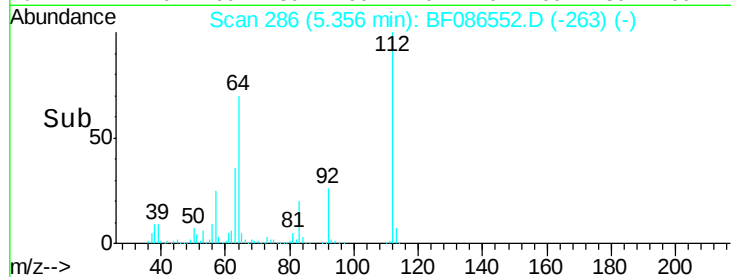
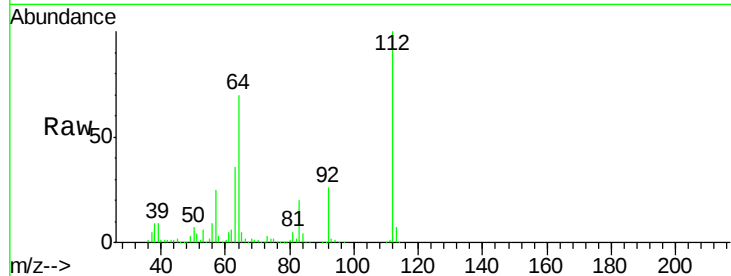
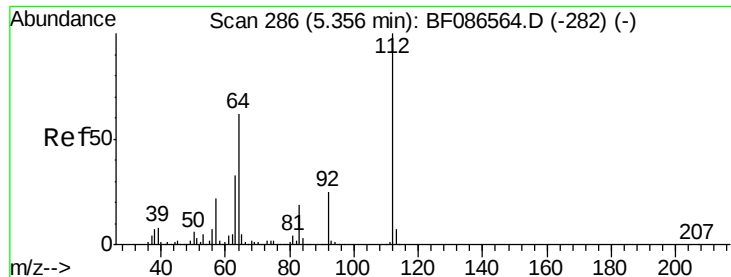
Delta R.T. -0.05 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Tgt Ion:	42	Resp:	107642
Ion Ratio	Lower	Upper	
42	100		
74	98.8	123.4	185.0#
44	8.1	5.8	8.6





#5

2-Fluorophenol

Concen: 71.95 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.03 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Tot Ion:	112	Resp:	561196
Ion Ratio	Lower	Upper	
112	100		
64	69.5	52.1	78.1
63	36.5	25.7	38.5

Instrument :

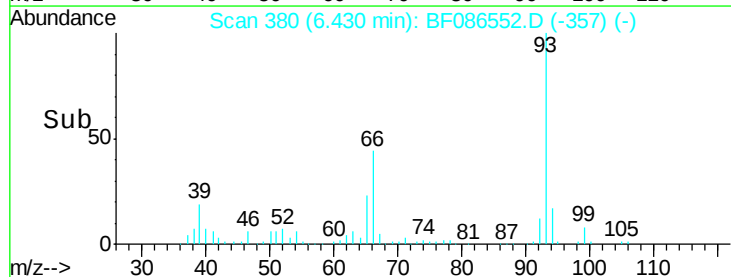
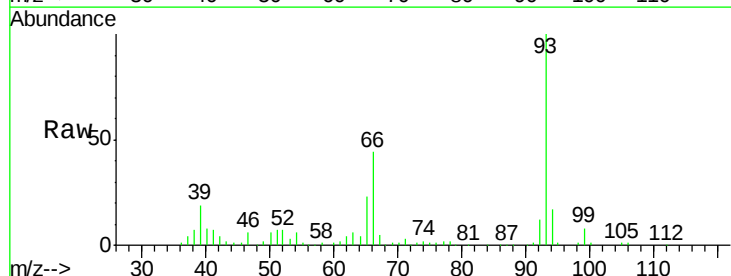
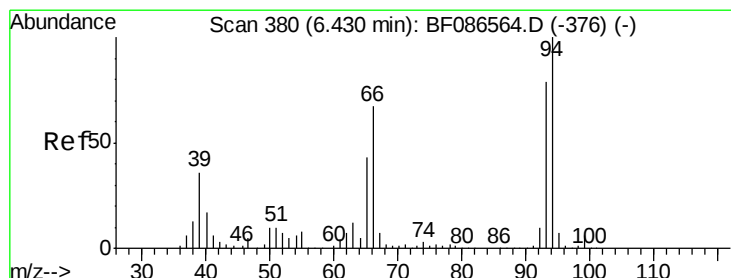
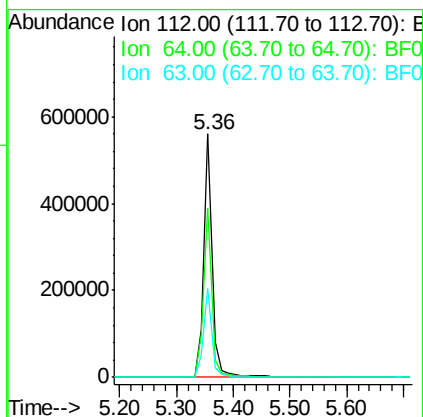
BNA_F

ClientSampleId :

HW-7-4-26-16MSD

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#6

Aniline

Concen: 18.97 ng

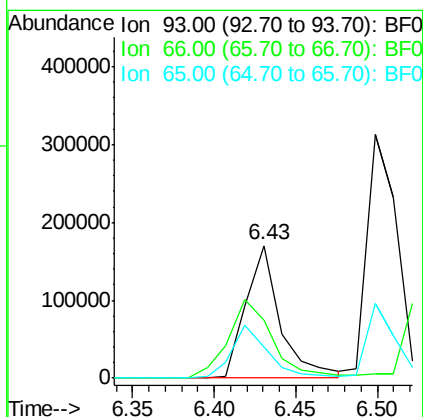
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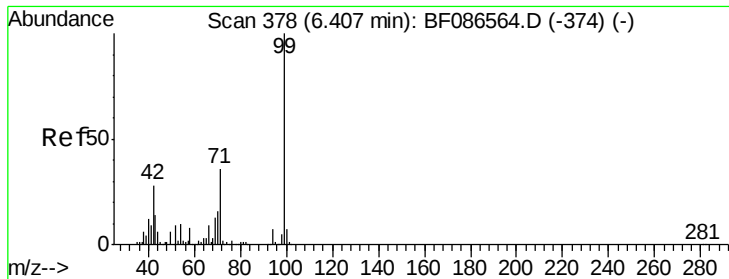
Delta R.T. -0.03 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Tgt Ion:	93	Resp:	249826
Ion Ratio	Lower	Upper	
93	100		
66	43.7	39.0	58.6
65	23.2	20.6	31.0





#7

Phenol-d6

Concen: 47.13 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.03 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Instrument :

BNA_F

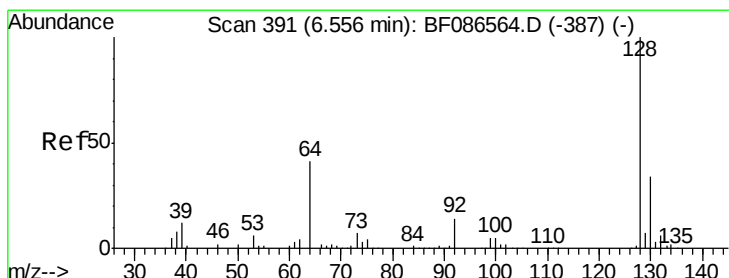
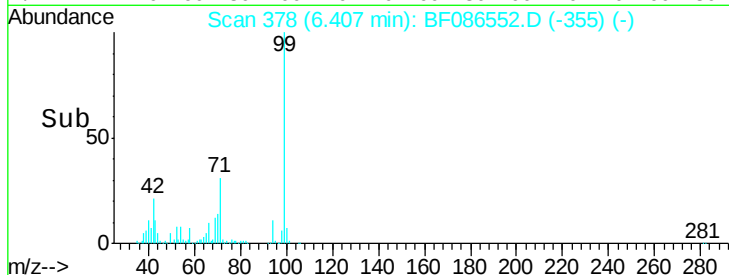
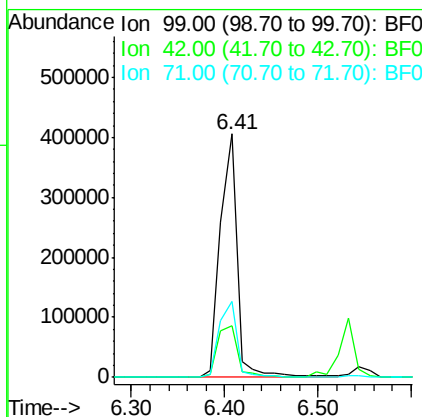
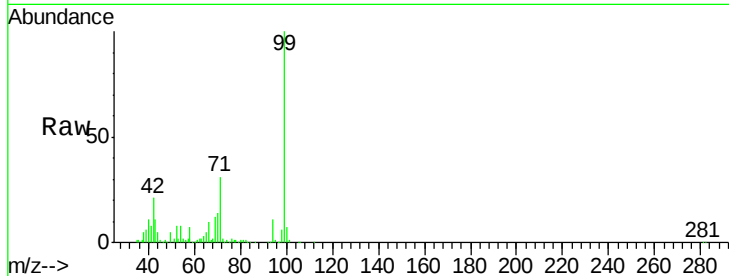
ClientSampleId :

HW-7-4-26-16MSD

Tot Ion:	99	Resp:	513001
Ion Ratio	Lower	Upper	
99	100		
42	21.4	13.6	20.4#
71	31.4	24.6	36.8

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#8

2-Chlorophenol

Concen: 34.08 ng

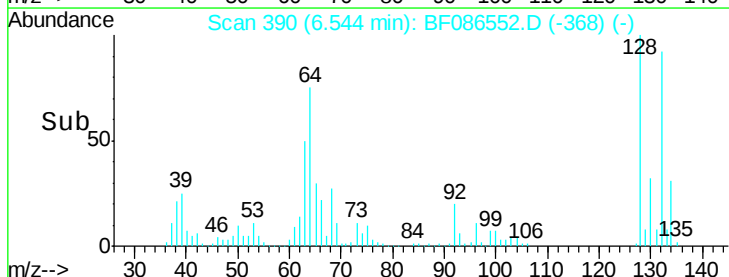
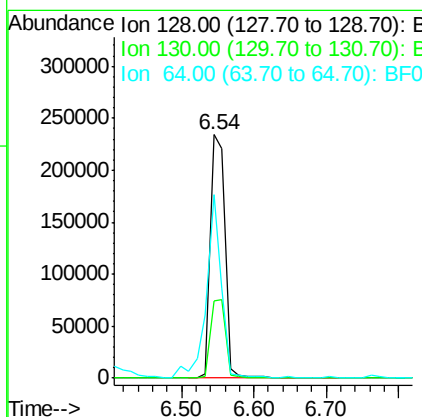
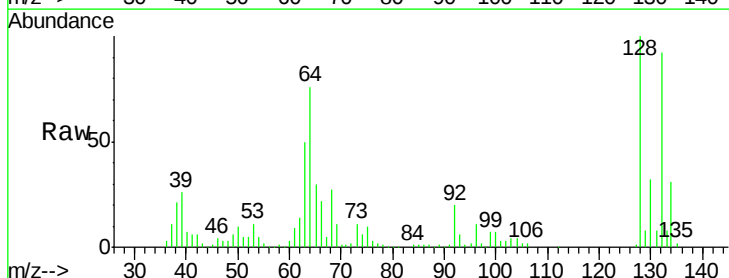
RT: 6.54 min Scan# 390

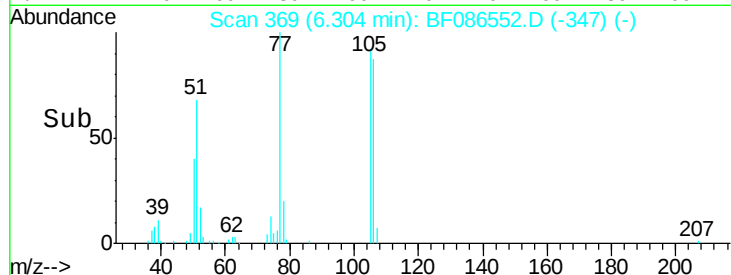
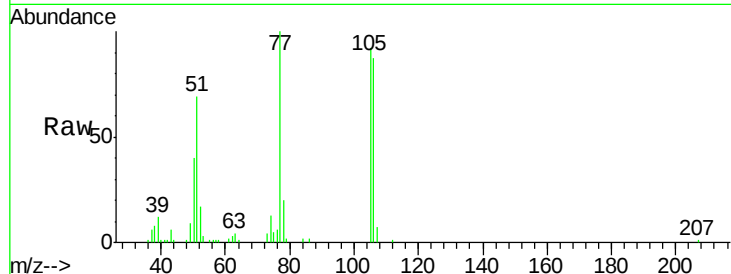
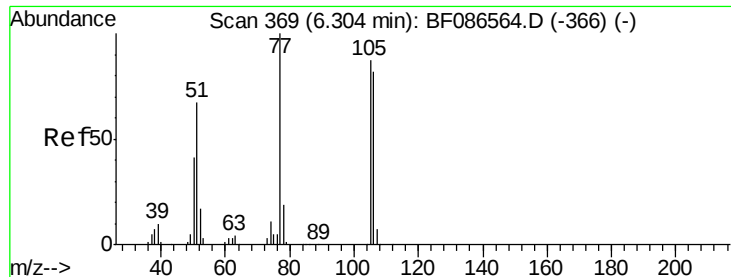
Delta R.T. -0.05 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Tgt Ion:	128	Resp:	331056
Ion Ratio	Lower	Upper	
128	100		
130	31.7	12.5	52.5
64	75.5	27.3	67.3#





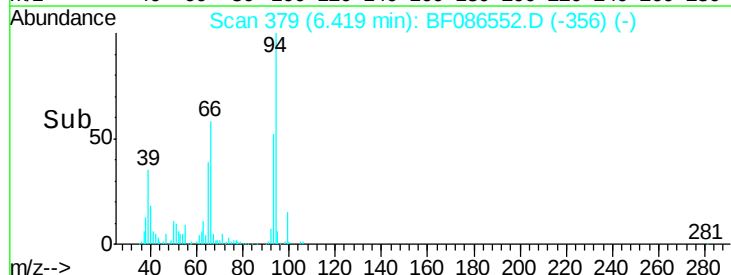
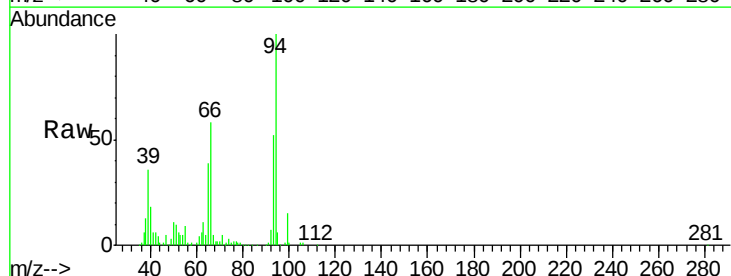
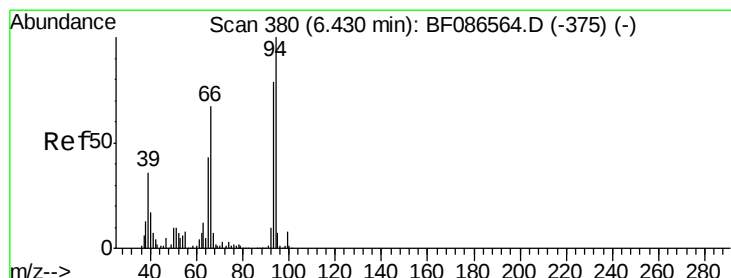
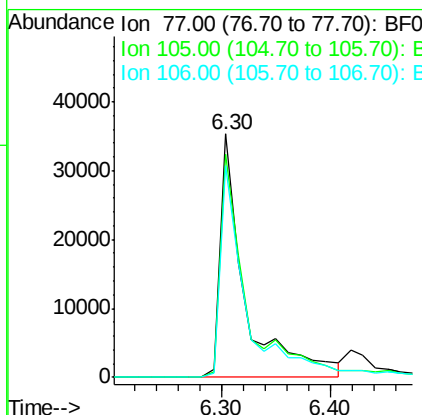
#9
Benzaldehyde
Concen: 8.90 ng
RT: 6.30 min Scan# 369
Delta R.T. -0.05 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

Tot Ion	Ratio	Lower	Upper
77	100		
105	91.7	72.7	112.7
106	86.9	70.8	110.8

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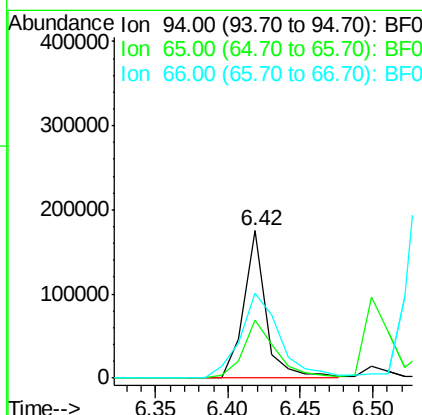
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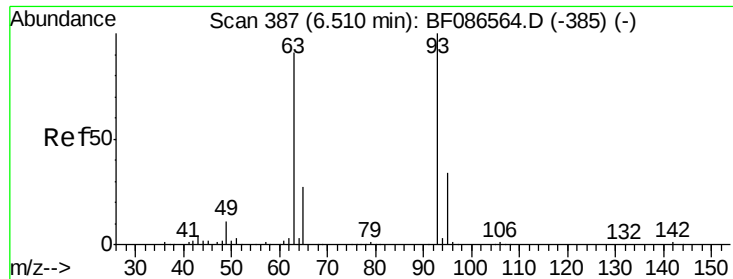
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#10
Phenol
Concen: 15.45 ng
RT: 6.42 min Scan# 379
Delta R.T. -0.03 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

Tgt Ion	Ratio	Lower	Upper
94	100		
65	39.1	7.2	47.2
66	57.6	14.9	54.9





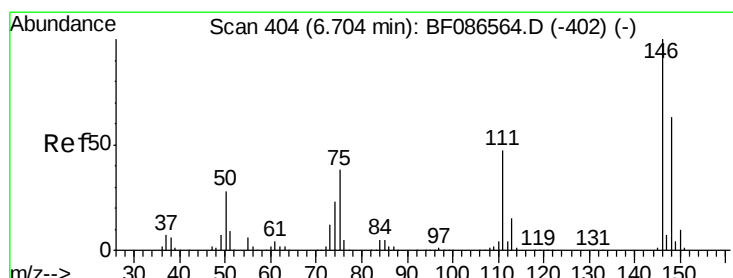
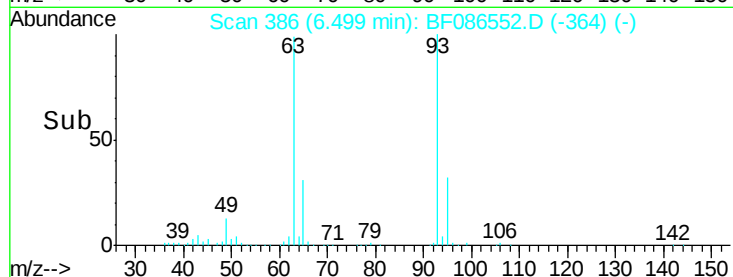
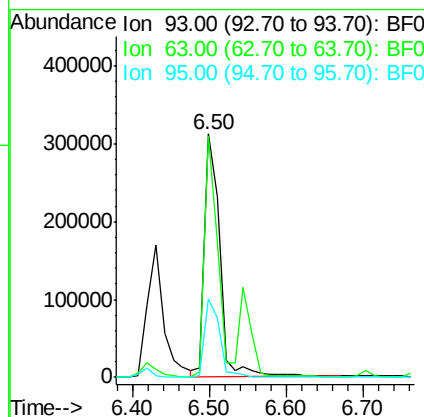
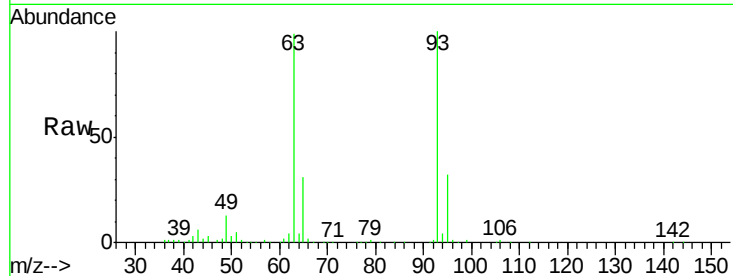
#11
bis(2-Chloroethyl)ether
Concen: 40.49 ng
RT: 6.50 min Scan# 386
Delta R.T. -0.05 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

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

Tot Ion	Ratio	Lower	Upper
93	100		
63	98.9	58.0	98.0#
95	32.0	11.9	51.9

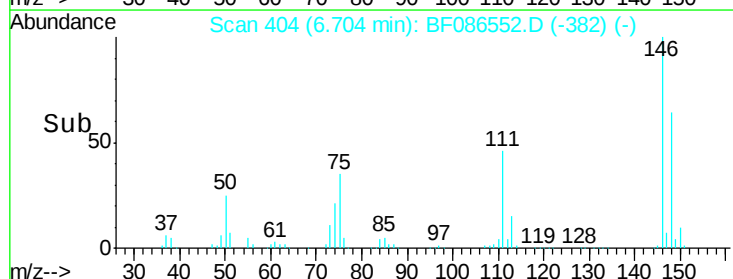
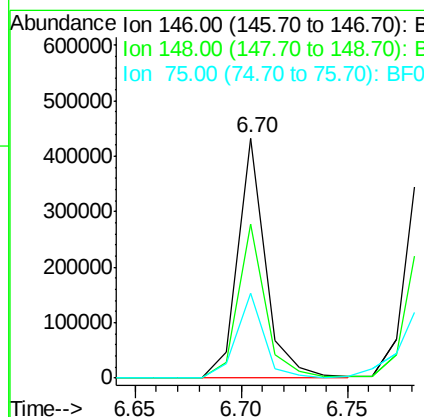
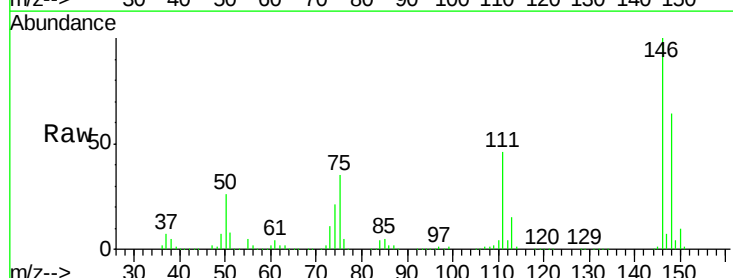
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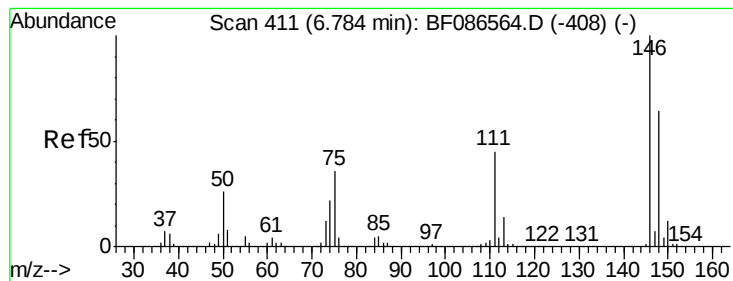
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#12
1,3-Dichlorobenzene
Concen: 37.64 ng m
RT: 6.70 min Scan# 404
Delta R.T. -0.05 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.4	78.6
75	35.2	22.8	34.2#





#13

1,4-Dichlorobenzene

Concen: 38.31 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.03 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Instrument :

BNA_F

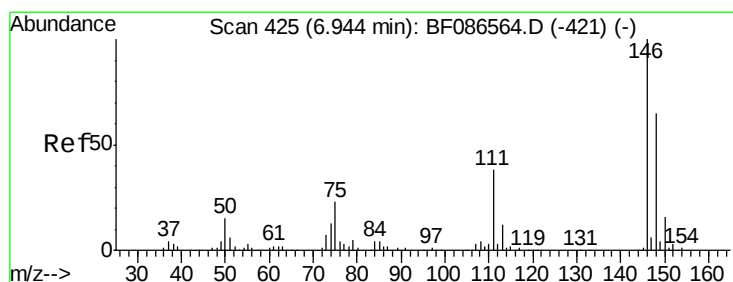
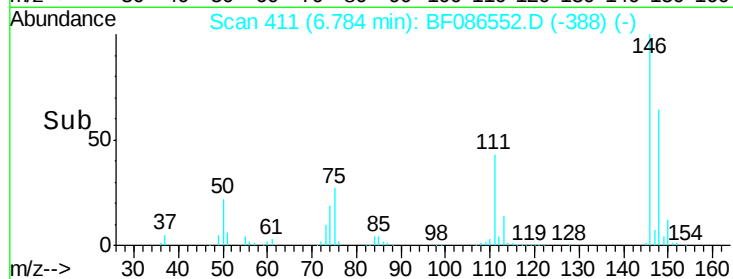
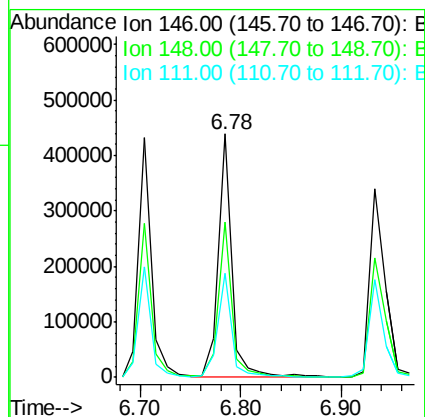
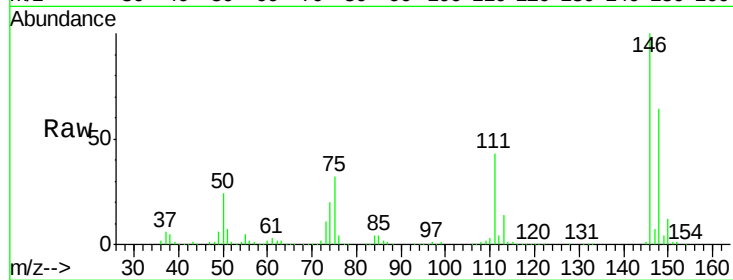
ClientSampleId :

HW-7-4-26-16MSD

Tot Ion:	146	Resp:	413020
Ion Ratio	Lower	Upper	
146	100		
148	63.7	52.2	78.4
111	42.7	30.7	46.1

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#14

1,2-Dichlorobenzene

Concen: 36.85 ng

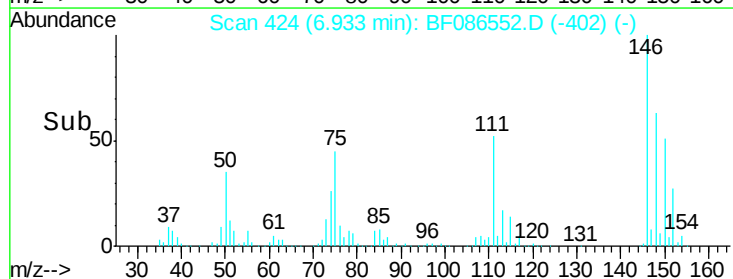
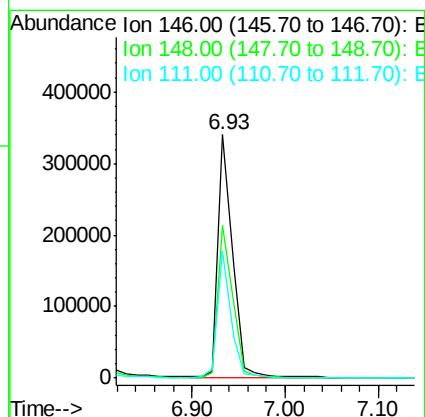
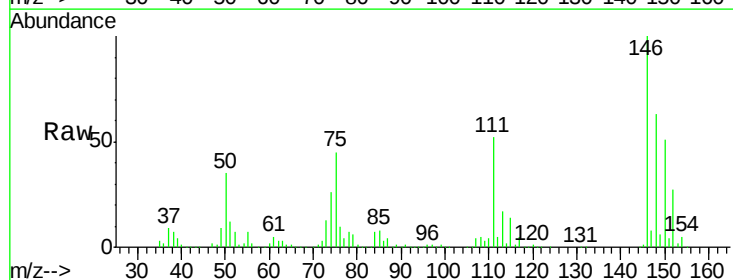
RT: 6.93 min Scan# 424

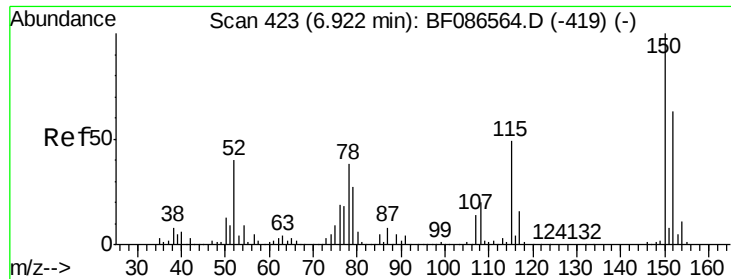
Delta R.T. -0.05 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Tgt Ion:	146	Resp:	364361
Ion Ratio	Lower	Upper	
146	100		
148	63.0	51.0	76.6
111	52.0	36.2	54.4





#15

Benzyl Alcohol

Concen: 33.17 ng

RT: 6.91 min Scan# 422

Delta R.T. -0.05 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Instrument :

BNA_F

ClientSampleId :

HW-7-4-26-16MSD

Tot Ion: 79 Resp: 228420

Ion Ratio Lower Upper

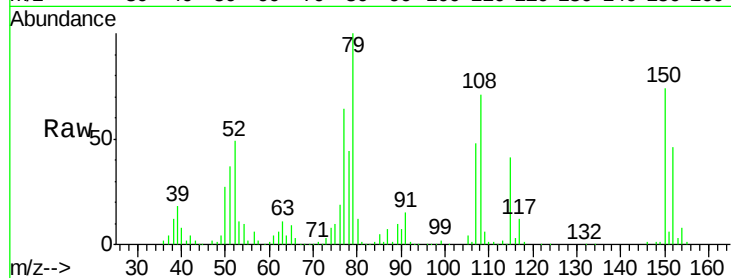
79 100

108 70.6 68.4 102.6

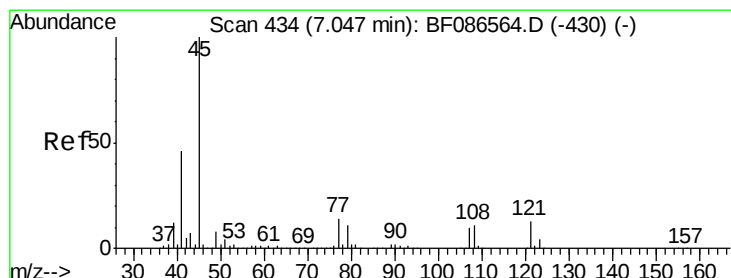
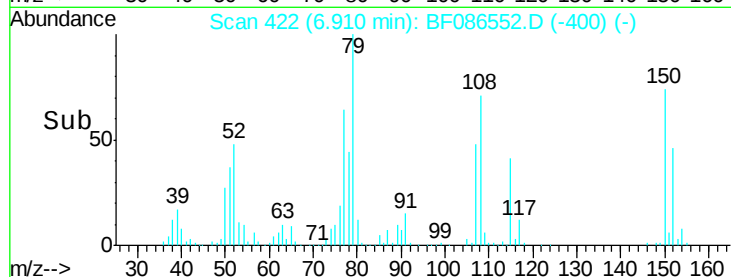
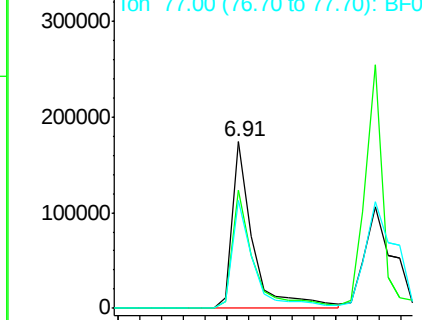
77 64.5 50.6 76.0

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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.86 ng

RT: 7.05 min Scan# 434

Delta R.T. -0.05 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

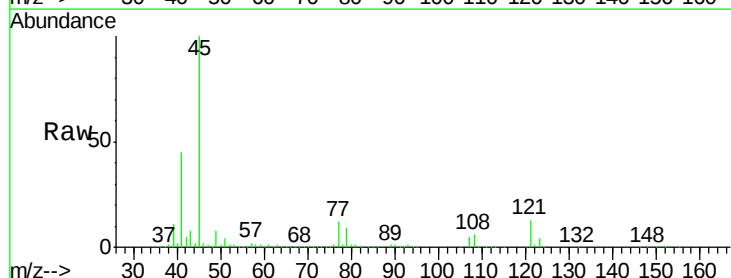
Tgt Ion: 45 Resp: 879732

Ion Ratio Lower Upper

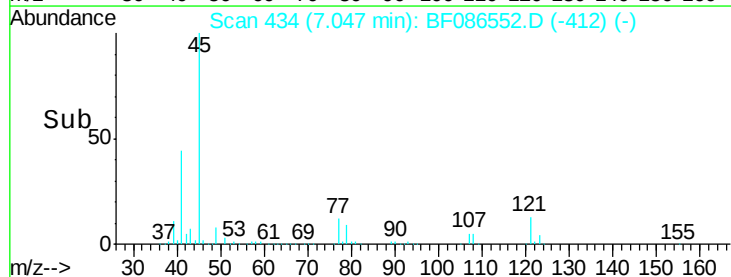
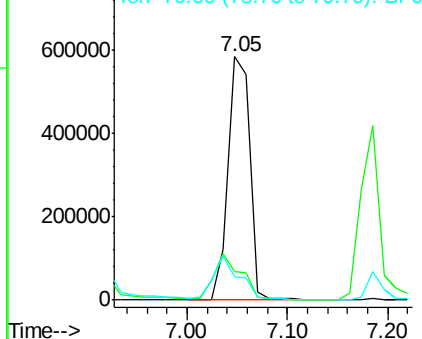
45 100

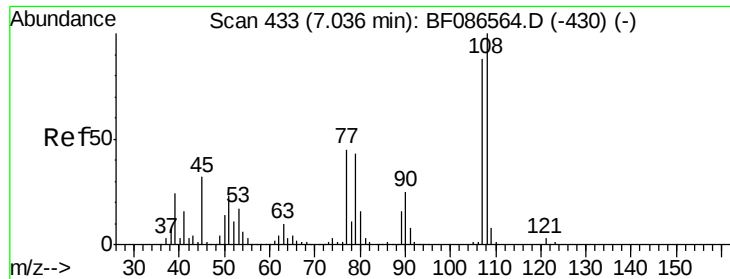
77 11.8 0.0 36.4

79 9.4 0.0 33.4



Abundance Ion 45.00 (44.70 to 45.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 32.05 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.03 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Instrument :

BNA_F

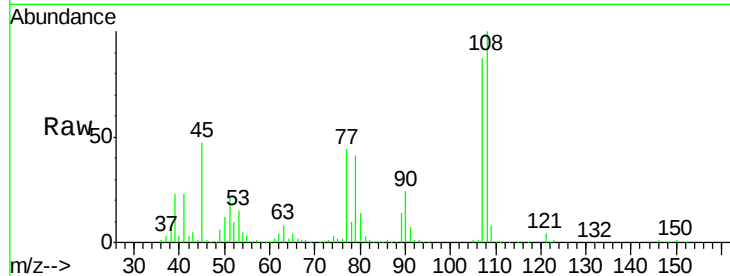
ClientSampleId :

HW-7-4-26-16MSD

Tot Ion:	107	Resp:	251686
Ion Ratio	Lower	Upper	
107	100		
108	114.5	93.7	140.5
77	50.3	33.4	50.0#
79	47.5	34.3	51.5

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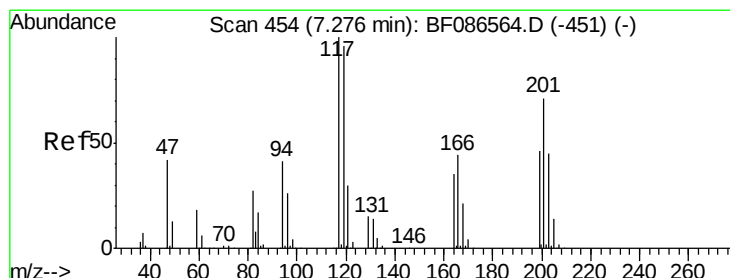
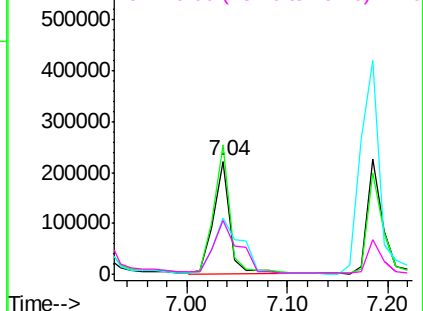
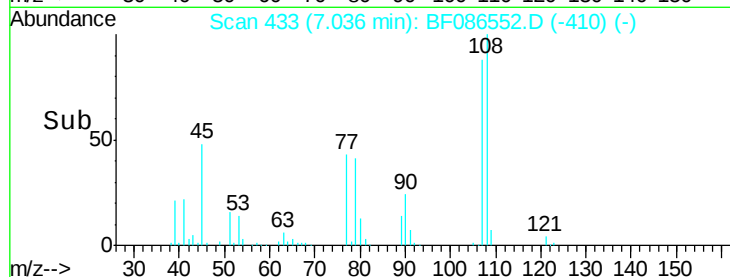


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 35.63 ng

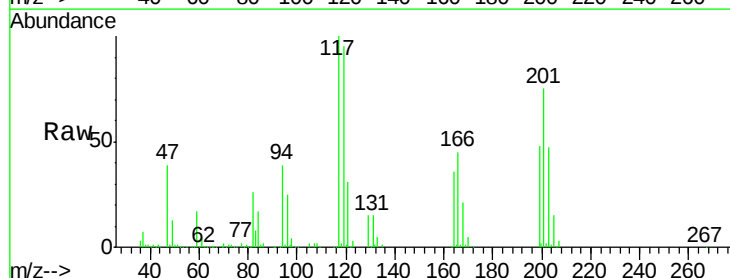
RT: 7.28 min Scan# 454

Delta R.T. -0.05 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

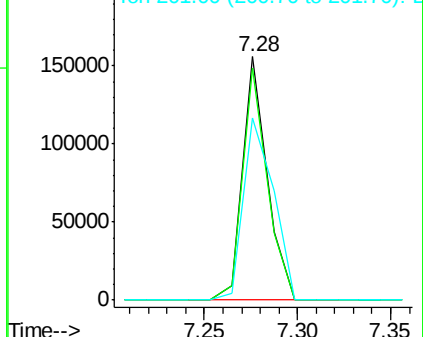
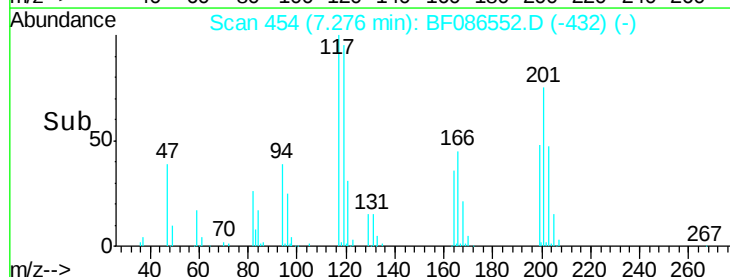
Tgt Ion:	117	Resp:	143548
Ion Ratio	Lower	Upper	
117	100		
119	95.1	76.5	114.7
201	75.0	63.0	94.6

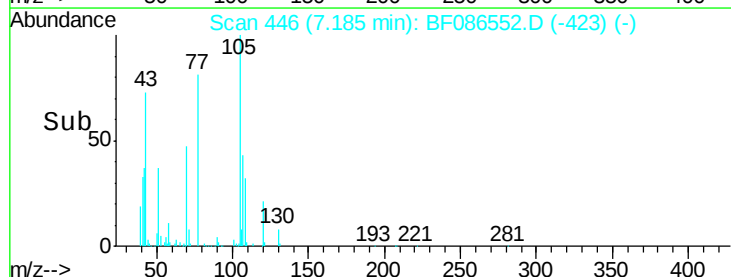
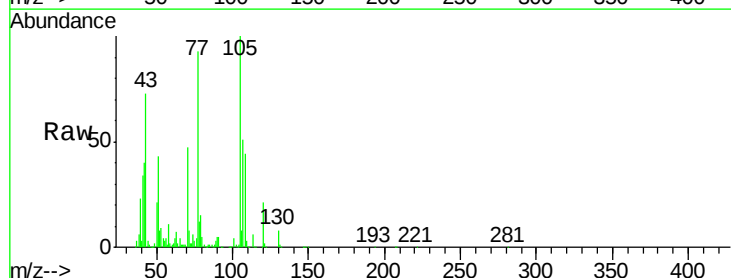
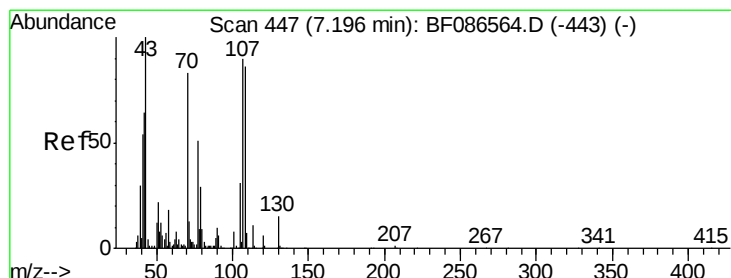
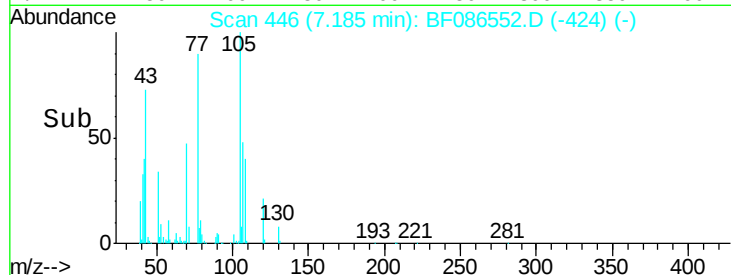
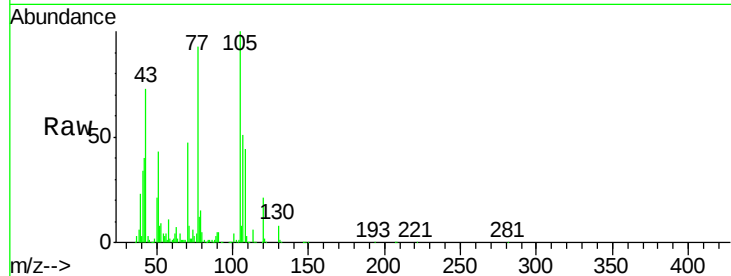
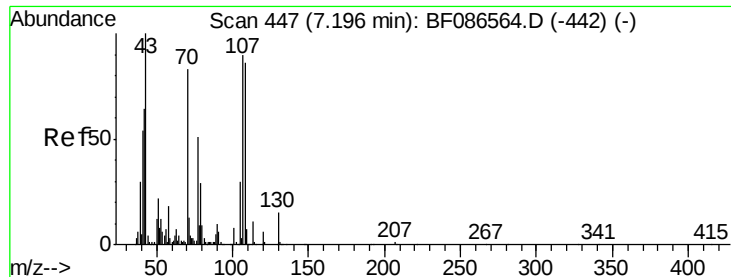


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





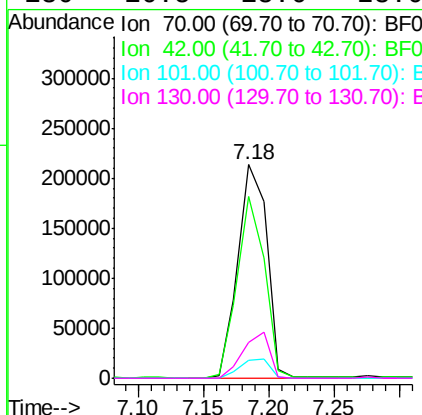
#19
n-Nitroso-di-n-propylamine
Concen: 46.08 ng
RT: 7.18 min Scan# 446
Delta R.T. -0.05 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

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

Tot Ion	Ratio	Lower	Upper
70	100		
42	85.1	43.1	64.7#
101	8.5	8.1	12.1
130	16.5	18.6	28.0#

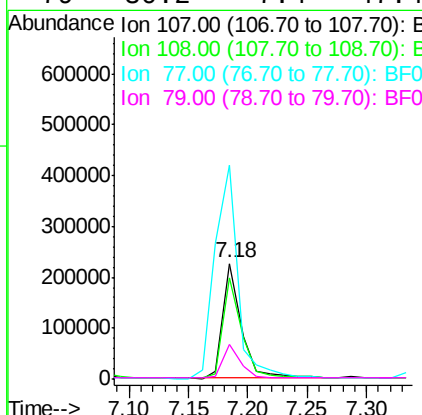
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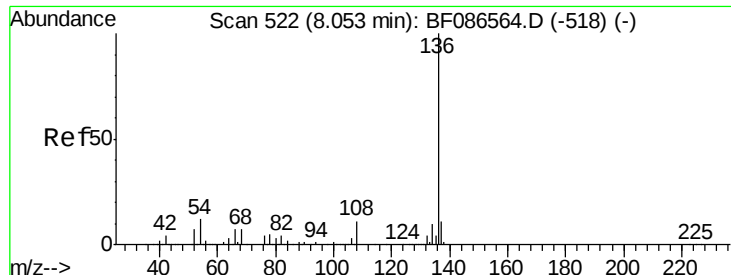
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#20
3+4-Methylphenols
Concen: 27.40 ng
RT: 7.18 min Scan# 446
Delta R.T. -0.03 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.0	68.5	108.5
77	184.5	101.6	141.6#
79	30.2	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: BF086552.D

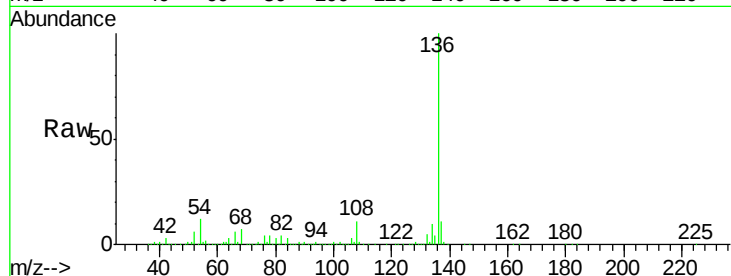
Acq: 1 May 2016 5:42

Instrument :

BNA_F

ClientSampleId :

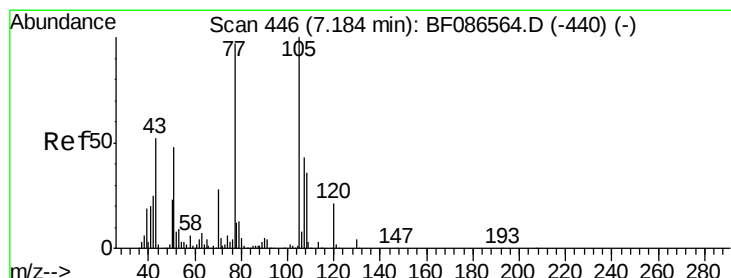
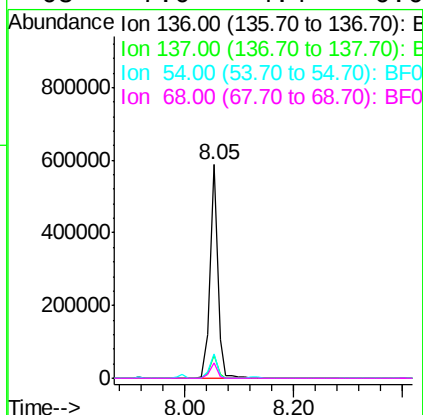
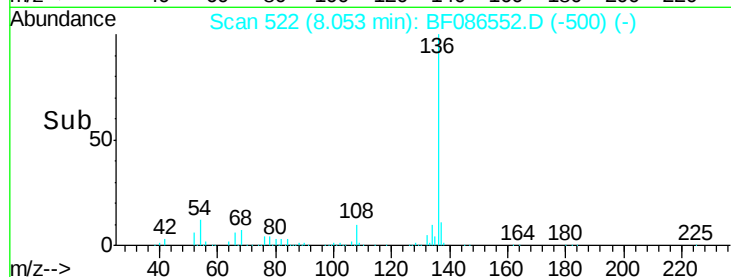
HW-7-4-26-16MSD



Tot Ion	Ratio	Resp	Lower	Upper
136	100	581494		
137	10.9	8.8	13.2	
54	11.7	5.0	7.4	
68	7.0	4.4	6.6	

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#22

Acetophenone

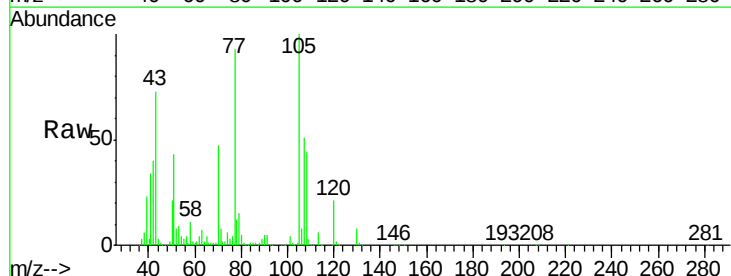
Concen: 47.69 ng

RT: 7.18 min Scan# 446

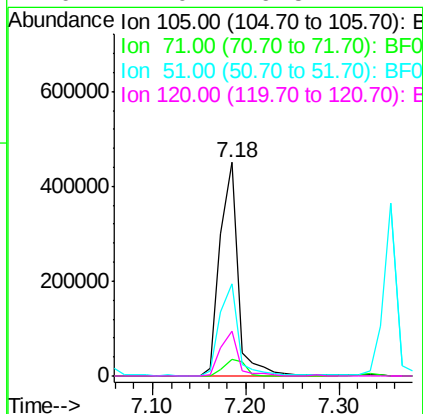
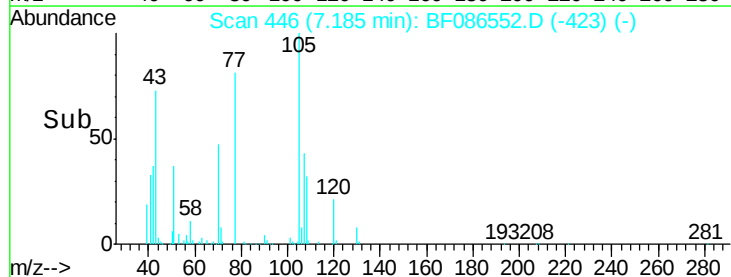
Delta R.T. -0.03 min

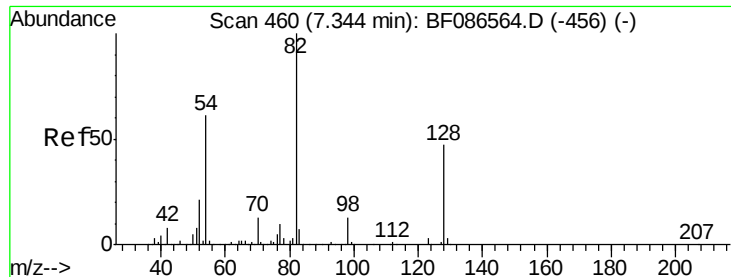
Lab File: BF086552.D

Acq: 1 May 2016 5:42



Tgt Ion	Ratio	Resp	Lower	Upper
105	100	608043		
71	7.9	4.8	7.2	
51	43.3	32.6	49.0	
120	21.0	16.5	24.7	





#23

Nitrobenzene-d5

Concen: 93.48 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.05 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Instrument :

BNA_F

ClientSampleId :

HW-7-4-26-16MSD

Tot Ion: 82 Resp: 1008485

Ion Ratio Lower Upper

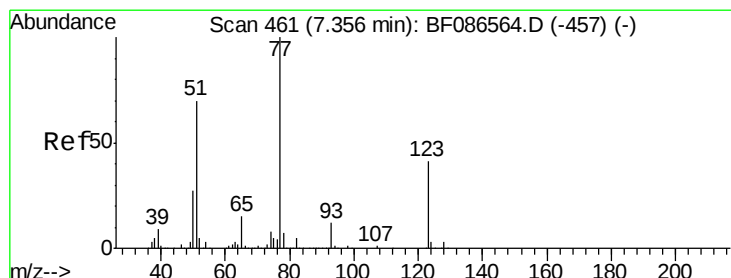
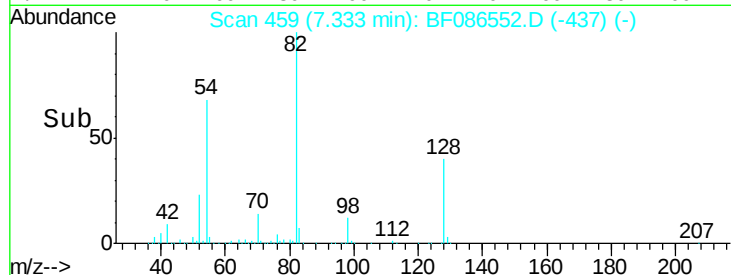
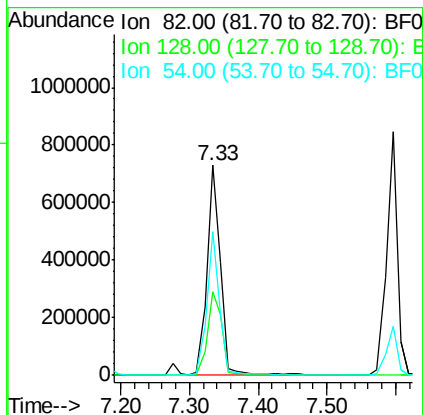
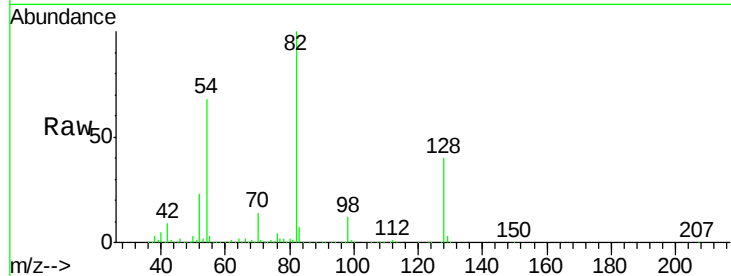
82 100

128 39.9 40.6 61.0#

54 68.4 38.1 57.1#

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#24

Nitrobenzene

Concen: 46.98 ng

RT: 7.36 min Scan# 461

Delta R.T. -0.03 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

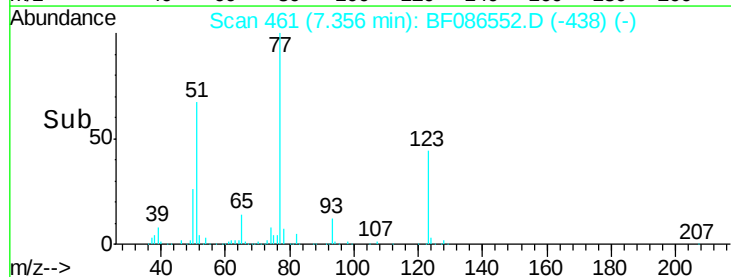
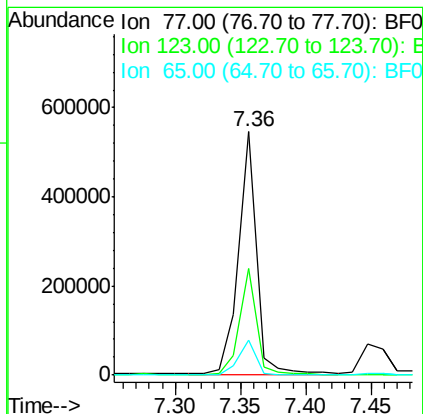
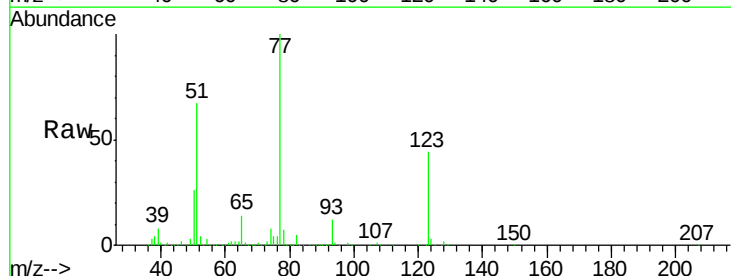
Tgt Ion: 77 Resp: 521306

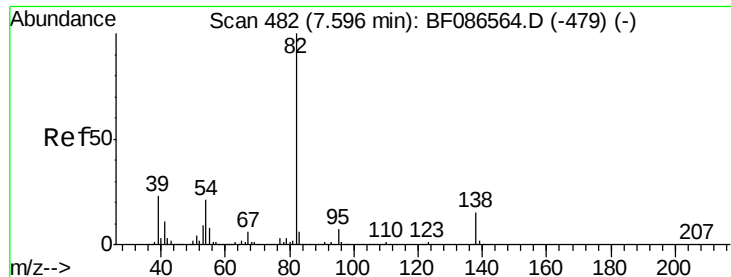
Ion Ratio Lower Upper

77 100

123 43.7 33.0 49.4

65 14.4 10.8 16.2





#25

Isophorone

Concen: 43.64 ng

RT: 7.60 min Scan# 482

Delta R.T. -0.05 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Instrument :

BNA_F

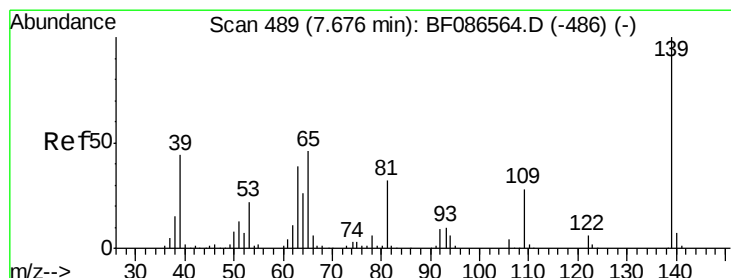
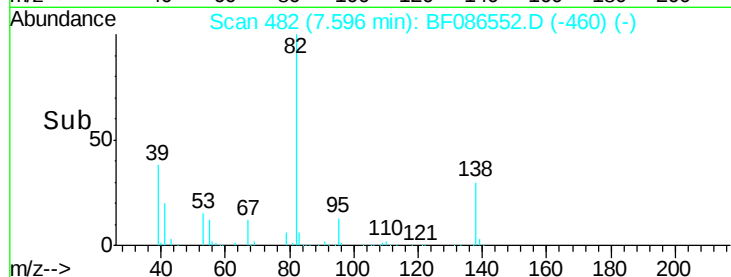
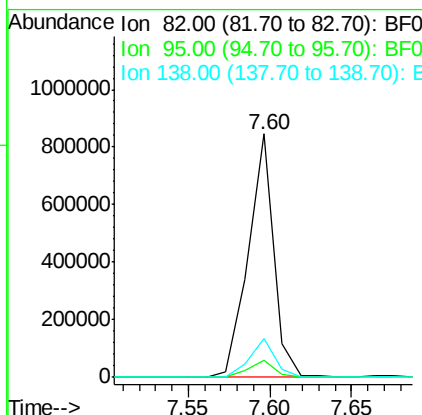
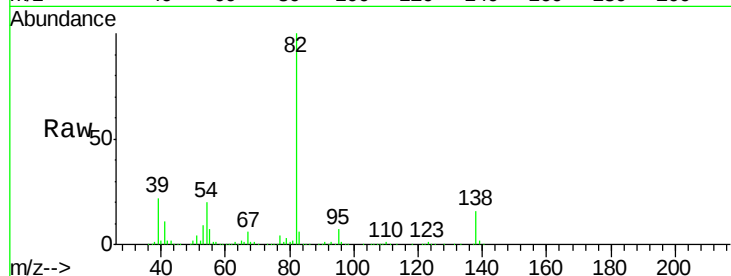
ClientSampleId :

HW-7-4-26-16MSD

Tot Ion:	82	Resp:	906076
Ion Ratio	Lower	Upper	
82	100		
95	7.2	5.1	7.7
138	16.2	12.4	18.6

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#26

2-Nitrophenol

Concen: 42.74 ng

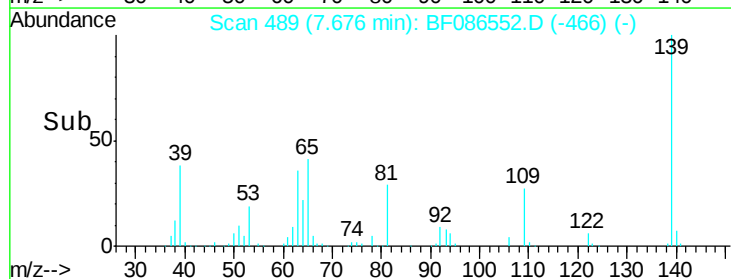
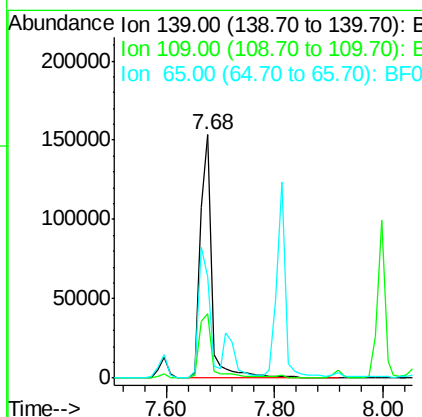
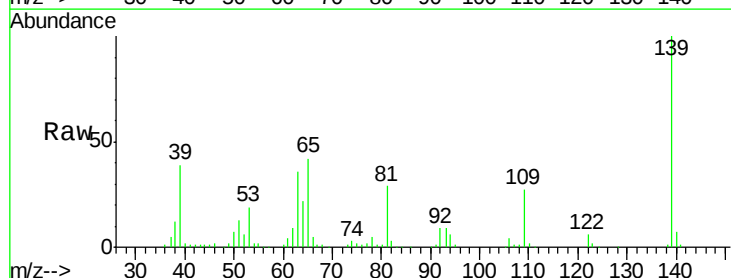
RT: 7.68 min Scan# 489

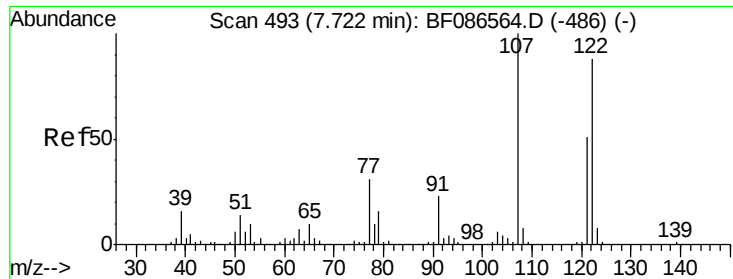
Delta R.T. -0.03 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Tgt Ion:	139	Resp:	218392
Ion Ratio	Lower	Upper	
139	100		
109	26.6	19.5	29.3
65	41.7	37.5	56.3





#27

2,4-Dimethylphenol

Concen: 38.17 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.03 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Instrument :

BNA_F

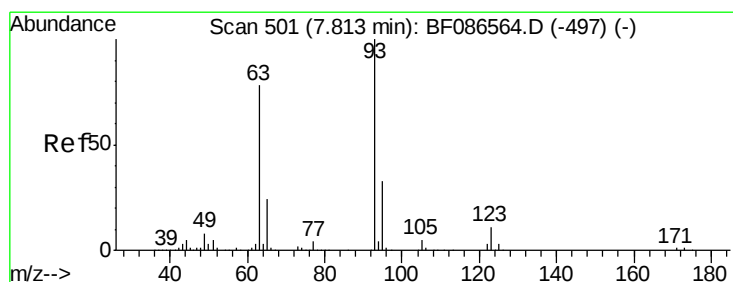
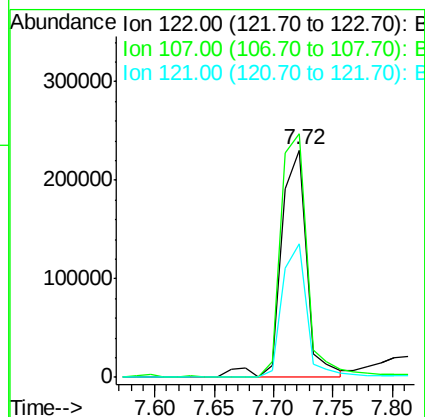
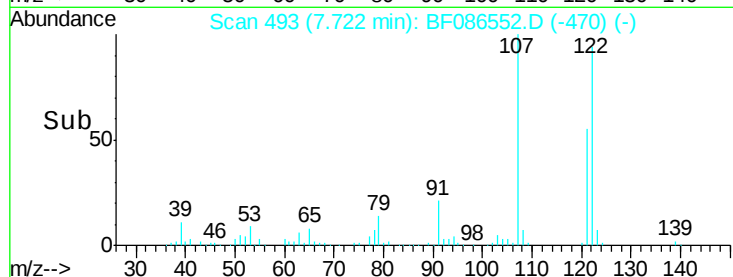
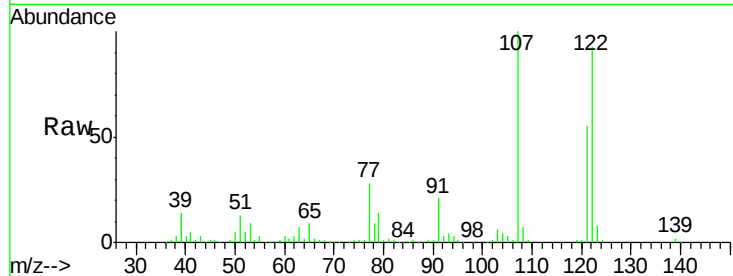
ClientSampleId :

HW-7-4-26-16MSD

Tot Ion:	122	Resp:	342211
Ion Ratio	Lower	Upper	
122	100		
107	107.2	82.0	123.0
121	58.9	46.1	69.1

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#28

bis(2-Chloroethoxy)methane

Concen: 49.64 ng

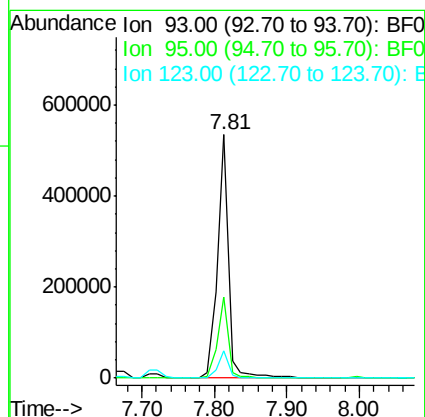
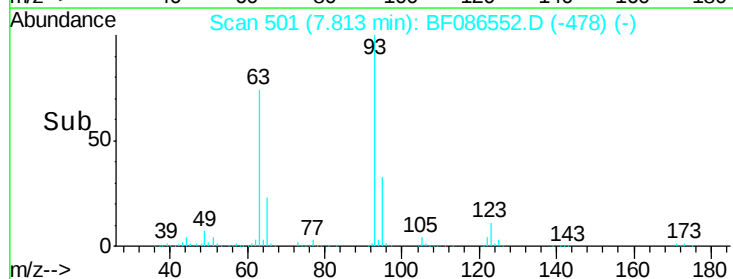
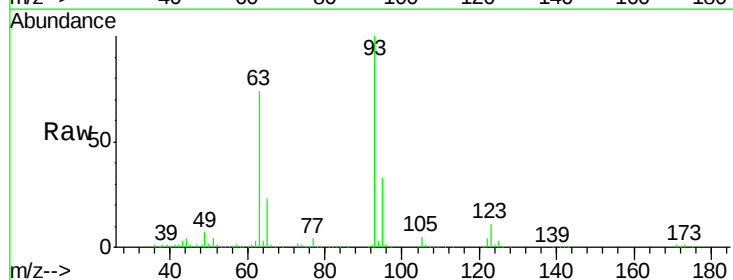
RT: 7.81 min Scan# 501

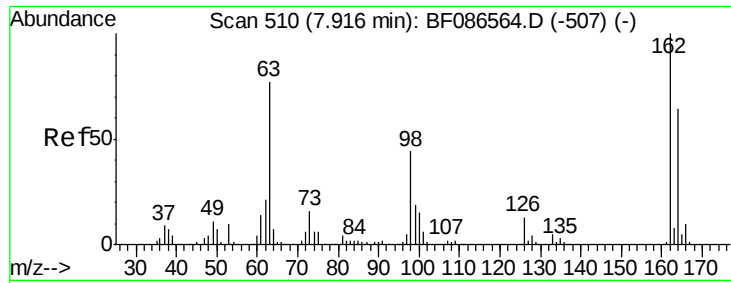
Delta R.T. -0.03 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Tgt Ion:	93	Resp:	561506
Ion Ratio	Lower	Upper	
93	100		
95	33.1	26.0	39.0
123	11.0	9.5	14.3





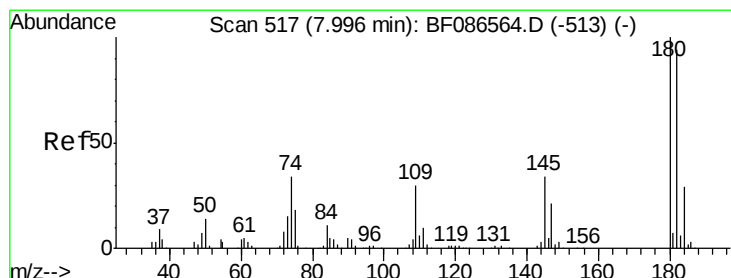
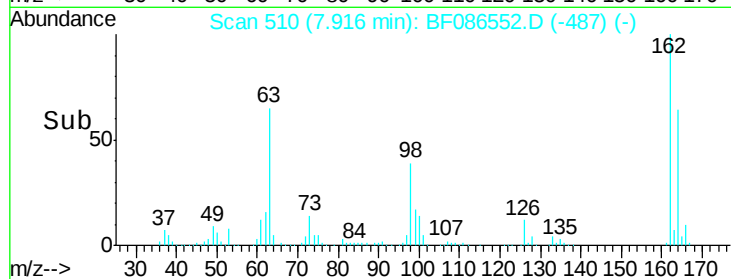
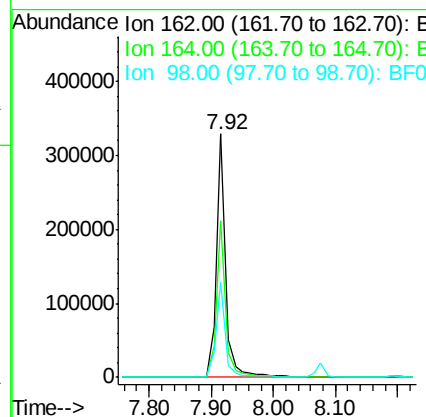
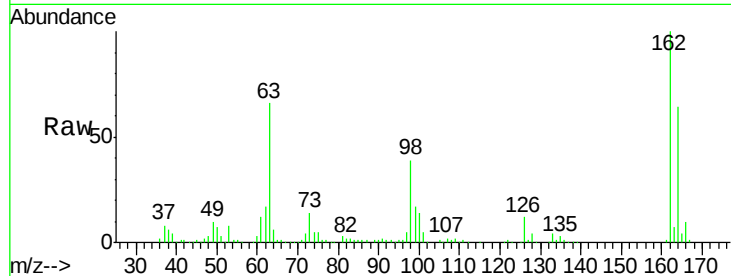
#29
 2,4-Dichlorophenol
 Concen: 45.16 ng
 RT: 7.92 min Scan# 510
 Delta R.T. -0.03 min
 Lab File: BF086552.D
 Acq: 1 May 2016 5:42

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

Tot Ion:	162	Resp:	341596
Ion Ratio	Lower	Upper	
162	100		
164	64.3	42.2	82.2
98	39.0	19.0	59.0

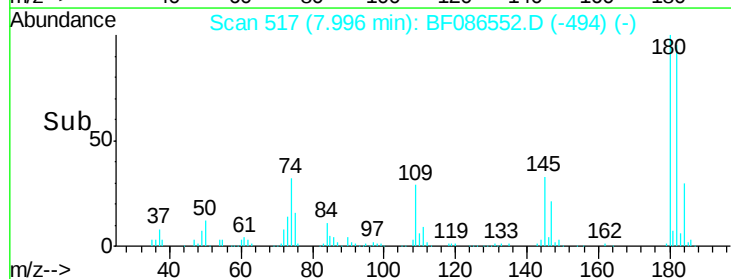
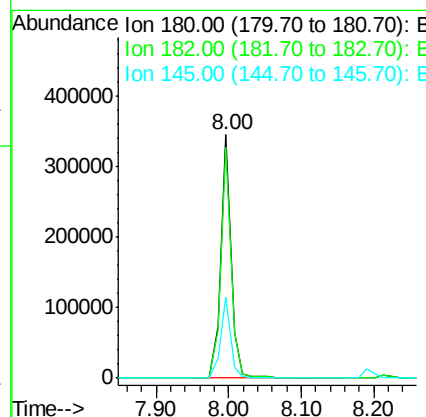
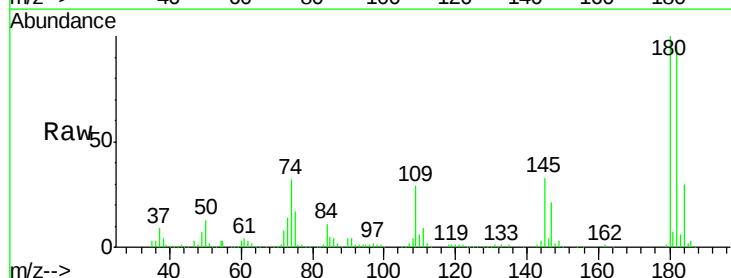
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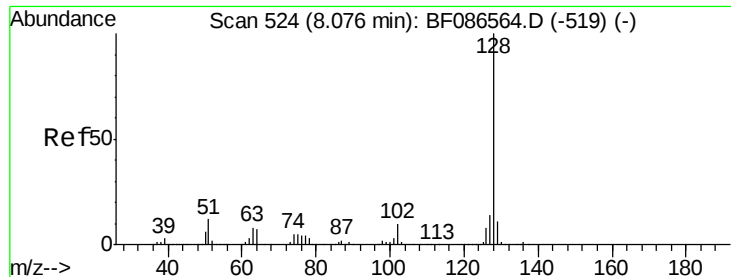
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#30
 1,2,4-Trichlorobenzene
 Concen: 39.18 ng
 RT: 8.00 min Scan# 517
 Delta R.T. -0.03 min
 Lab File: BF086552.D
 Acq: 1 May 2016 5:42

Tgt Ion:	180	Resp:	343802
Ion Ratio	Lower	Upper	
180	100		
182	94.6	78.0	117.0
145	33.1	24.2	36.2





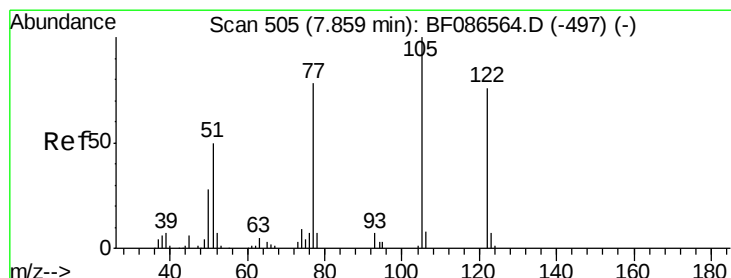
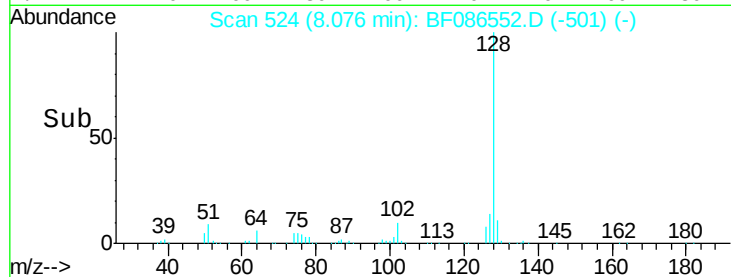
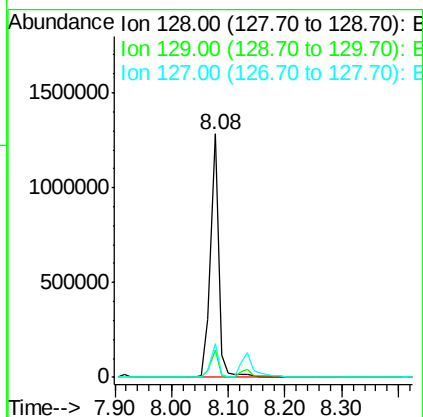
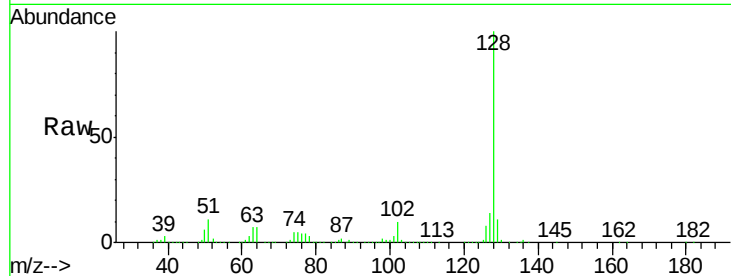
#31
Naphthalene
Concen: 42.06 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.03 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

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

Tot Ion:128 Resp: 1244392
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 13.6 10.8 16.2

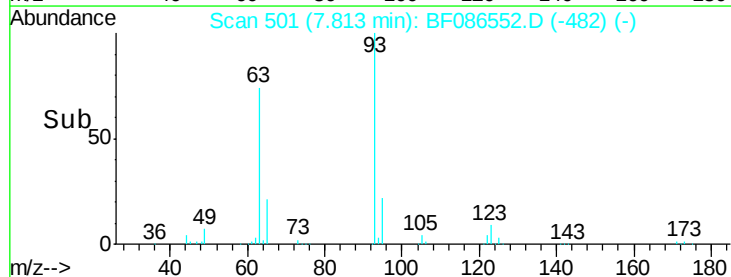
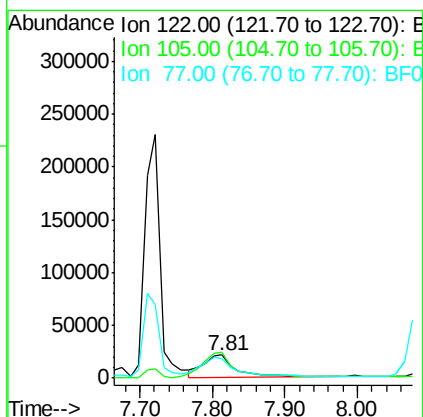
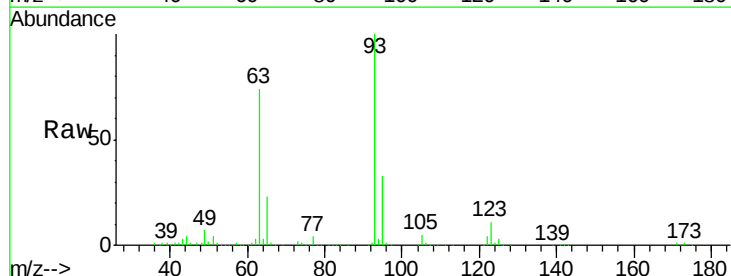
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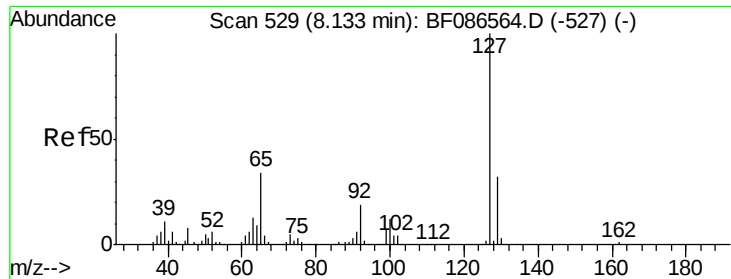
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#32
Benzoic acid
Concen: 18.78 ng
RT: 7.81 min Scan# 501
Delta R.T. -0.08 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

Tgt Ion:122 Resp: 66410
Ion Ratio Lower Upper
122 100
105 111.0 92.6 132.6
77 87.2 60.0 100.0





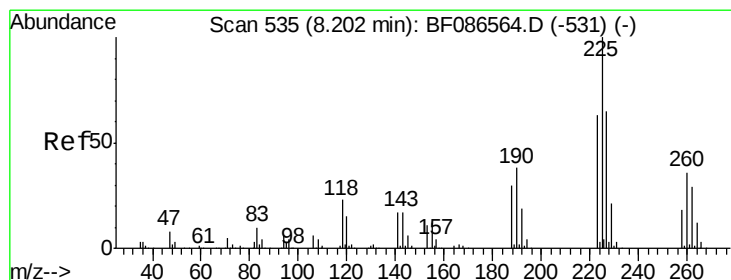
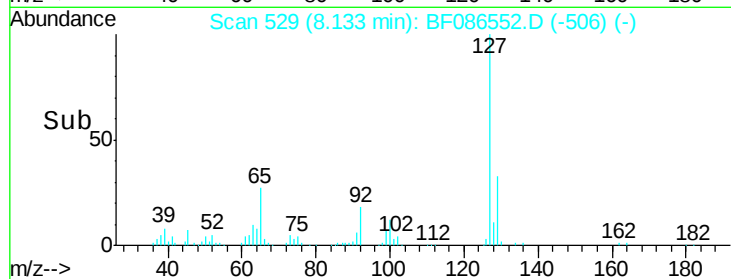
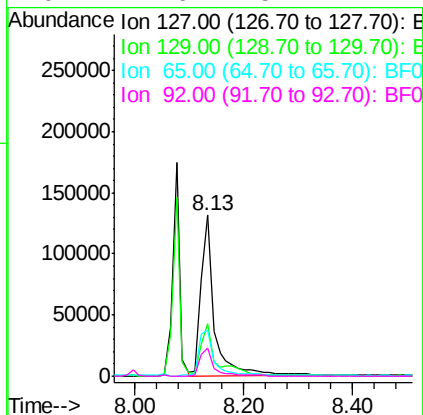
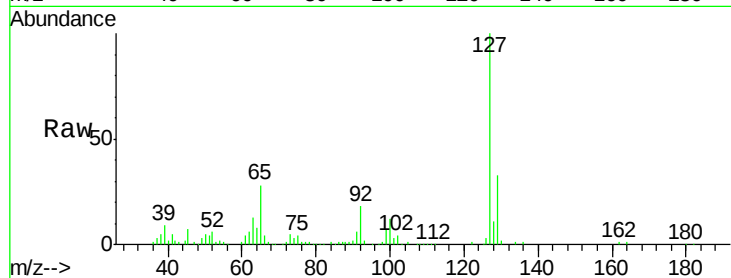
#33
4-Chloroaniline
Concen: 20.07 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.03 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.7	26.2	39.4		
65	28.3	23.0	34.4		
92	17.6	15.1	22.7		

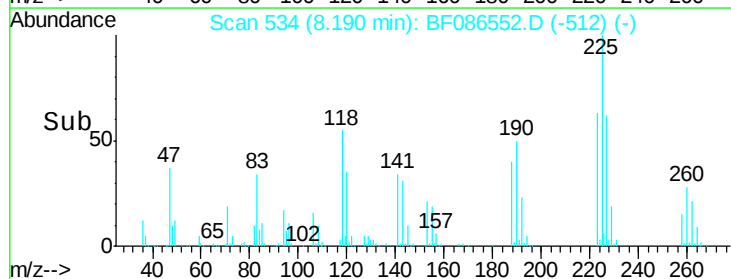
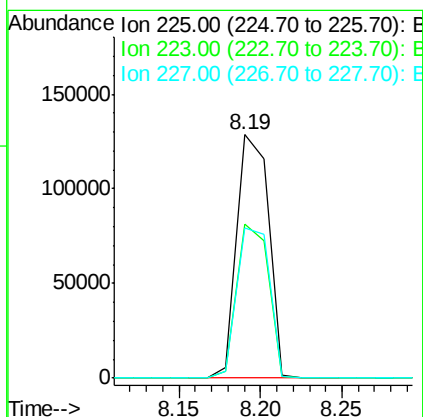
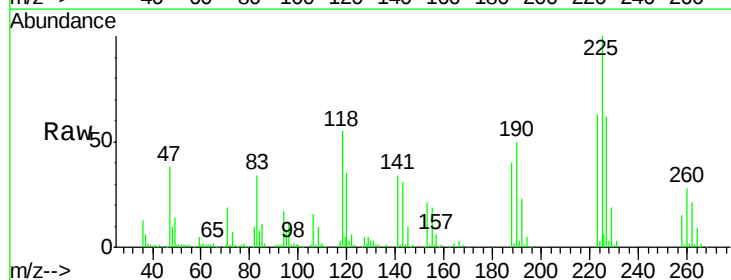
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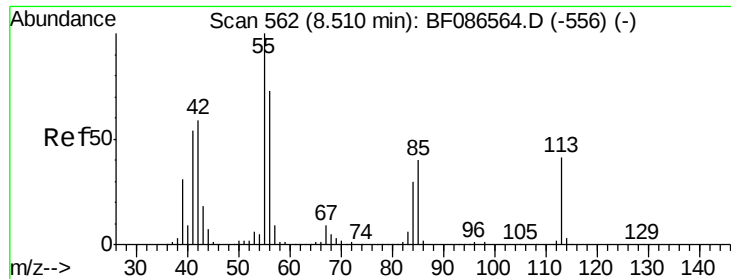
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#34
Hexachlorobutadiene
Concen: 35.17 ng
RT: 8.19 min Scan# 534
Delta R.T. -0.05 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.5	51.5	77.3		
227	61.6	52.2	78.2		





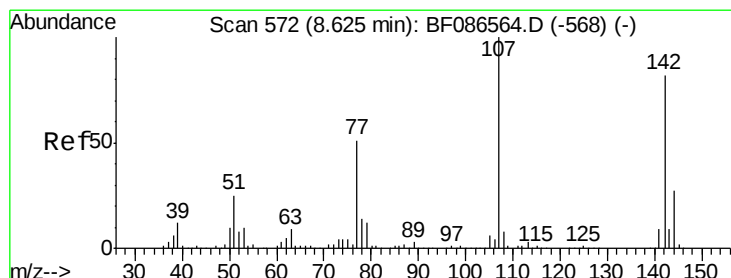
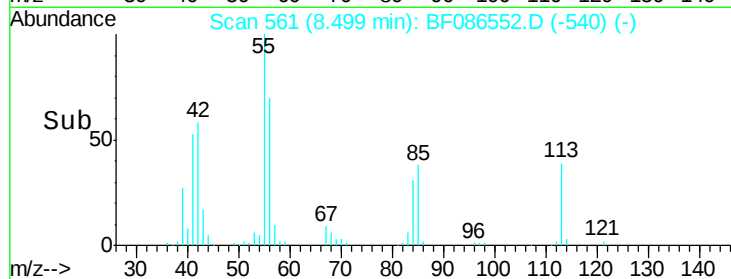
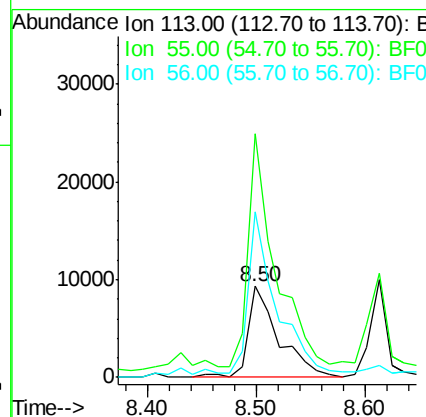
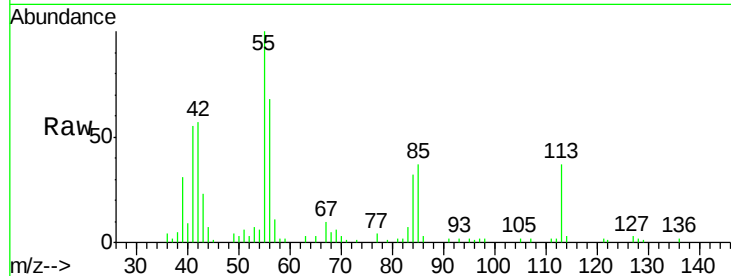
#35
 Caprolactam
 Concen: 7.26 ng
 RT: 8.50 min Scan# 561
 Delta R.T. -0.06 min
 Lab File: BF086552.D
 Acq: 1 May 2016 5:42

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100		18310		
55	266.8	162.0	202.0#		
56	181.6	115.3	155.3#		

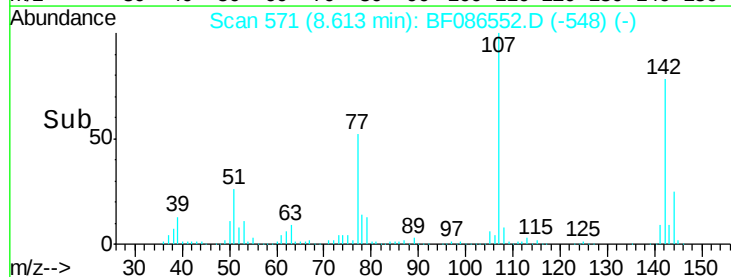
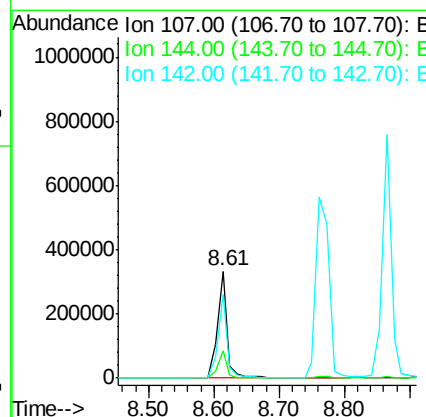
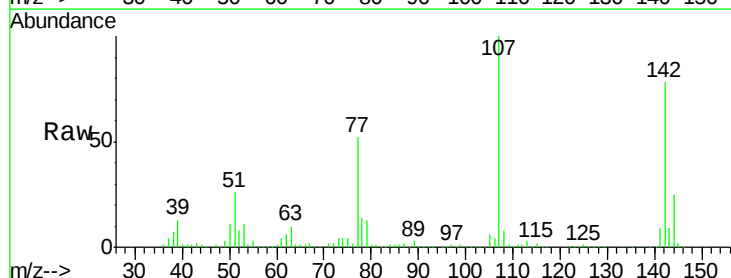
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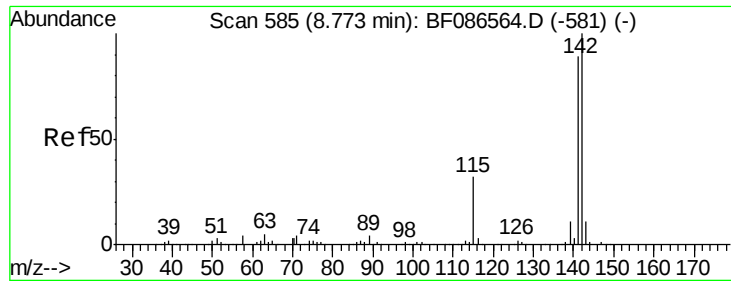
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#36
 4-Chloro-3-methylphenol
 Concen: 41.70 ng
 RT: 8.61 min Scan# 571
 Delta R.T. -0.03 min
 Lab File: BF086552.D
 Acq: 1 May 2016 5:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		361172		
144	25.4	20.7	31.1		
142	77.8	63.2	94.8		





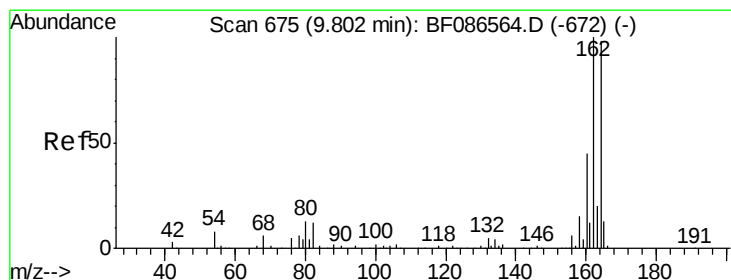
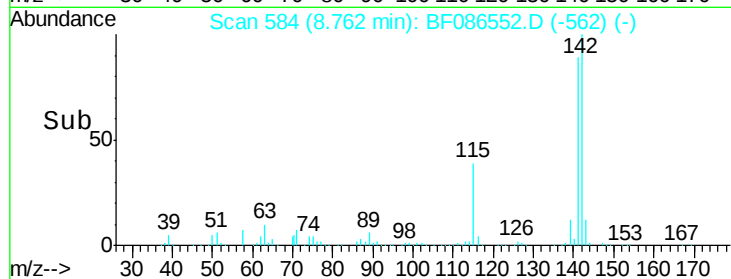
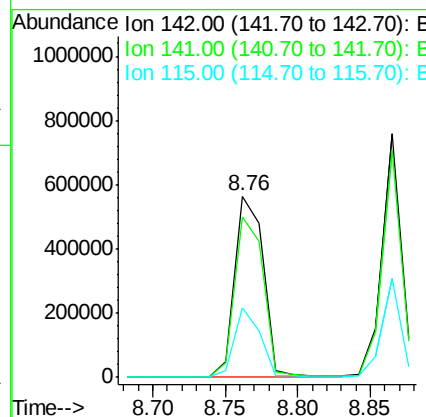
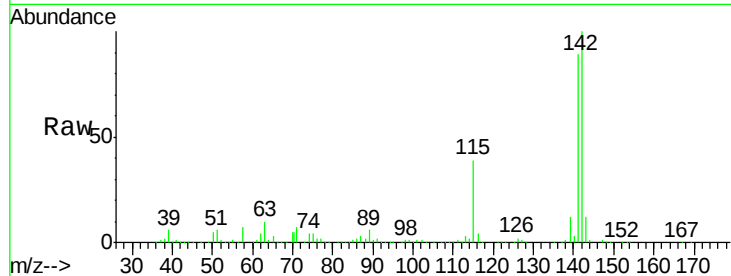
#37
2-Methylnaphthalene
Concen: 44.69 ng
RT: 8.76 min Scan# 584
Delta R.T. -0.05 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.0	106.6
115	38.7	26.6	39.8

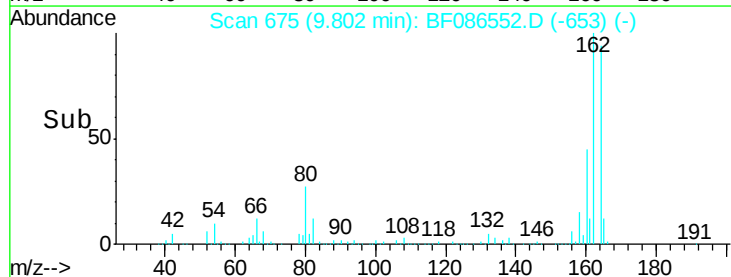
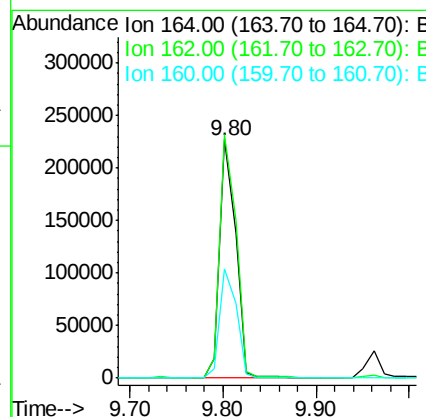
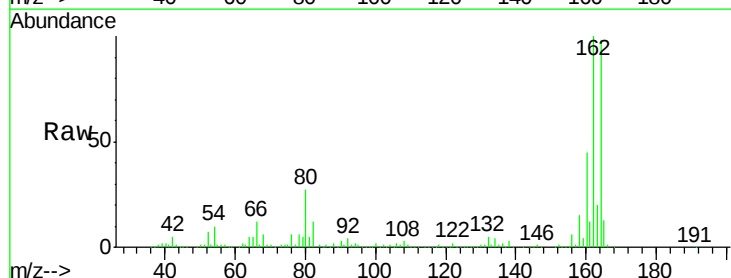
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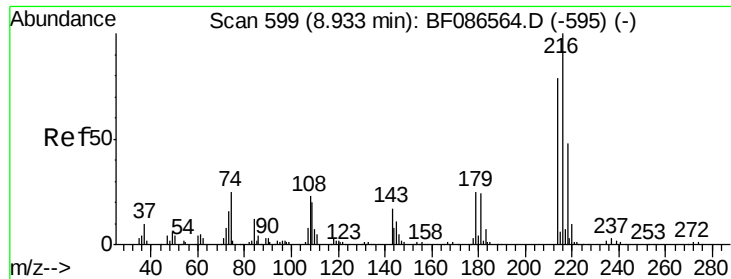
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.05 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.8	124.2
160	45.9	36.9	55.3





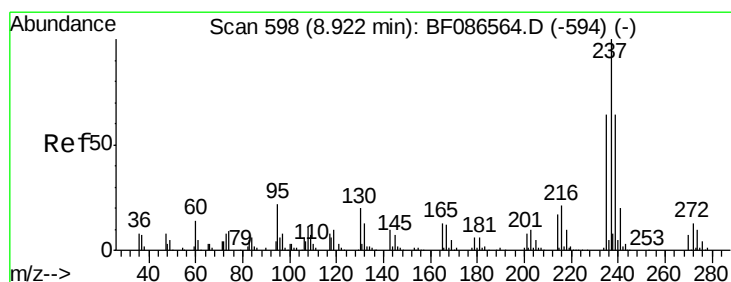
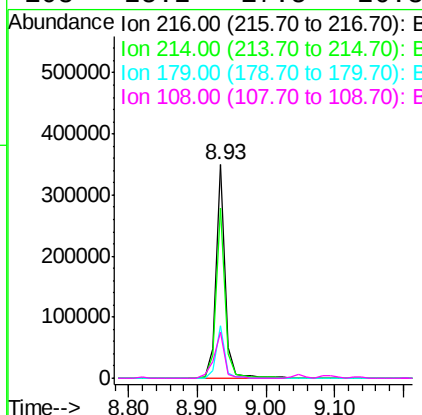
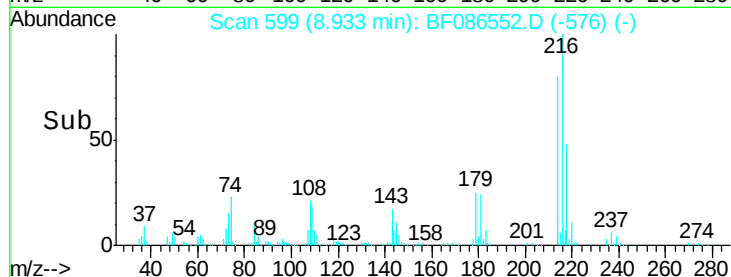
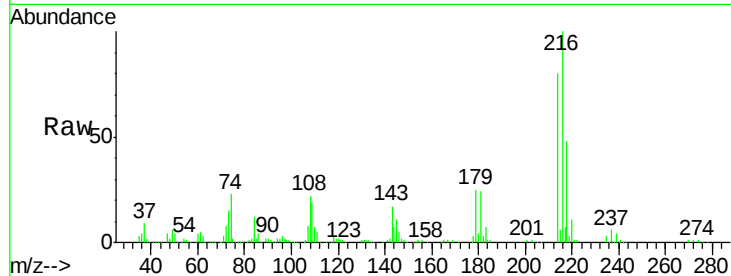
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 41.88 ng
 RT: 8.93 min Scan# 599
 Delta R.T. -0.03 min
 Lab File: BF086552.D
 Acq: 1 May 2016 5:42

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		327434		
214	79.5	62.6	93.8		
179	24.1	18.2	27.4		
108	25.2	17.5	26.3		

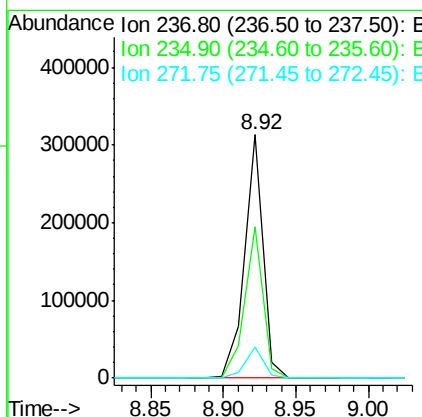
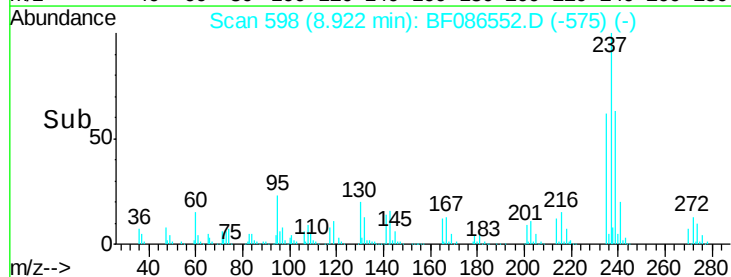
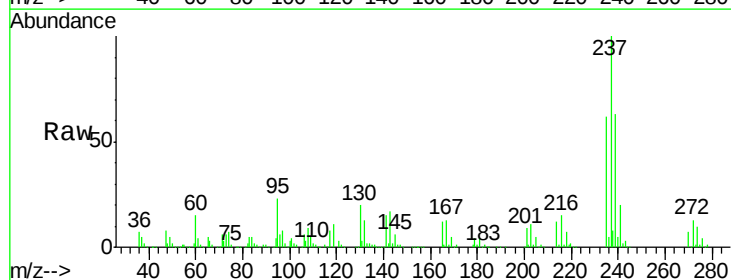
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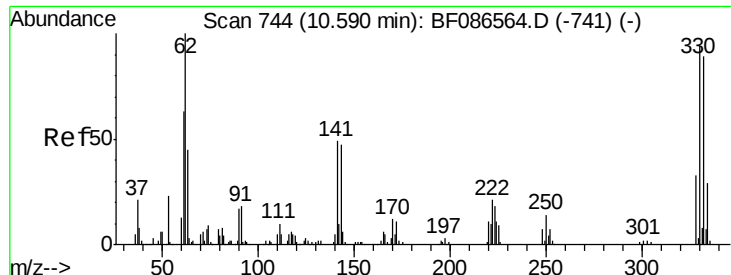
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#40
 Hexachlorocyclopentadiene
 Concen: 71.06 ng
 RT: 8.92 min Scan# 598
 Delta R.T. -0.03 min
 Lab File: BF086552.D
 Acq: 1 May 2016 5:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		276098		
235	62.5	47.2	87.2		
272	12.7	0.0	31.1		





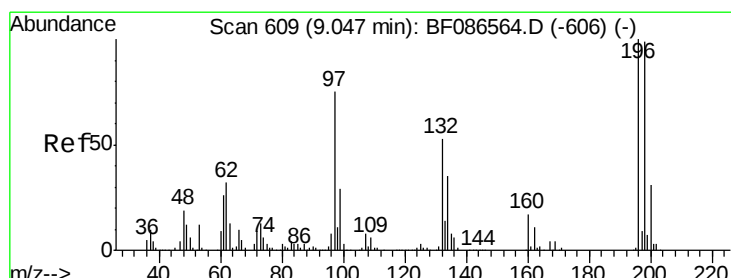
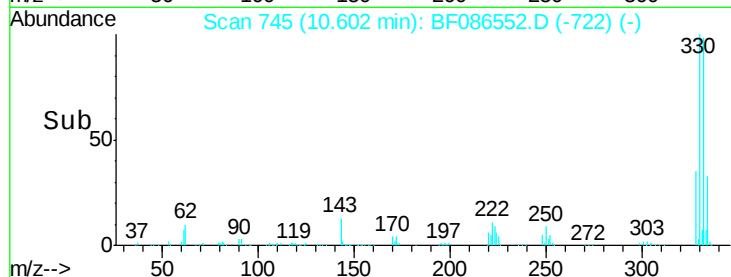
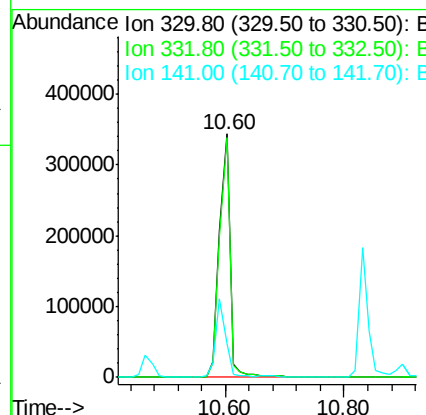
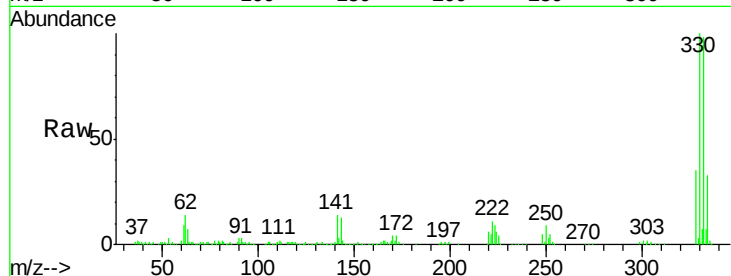
#41
 2,4,6-Tribromophenol
 Concen: 148.68 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.03 min
 Lab File: BF086552.D
 Acq: 1 May 2016 5:42

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	428274		
332	97.8	79.0	118.4	
141	29.7	31.2	46.8	

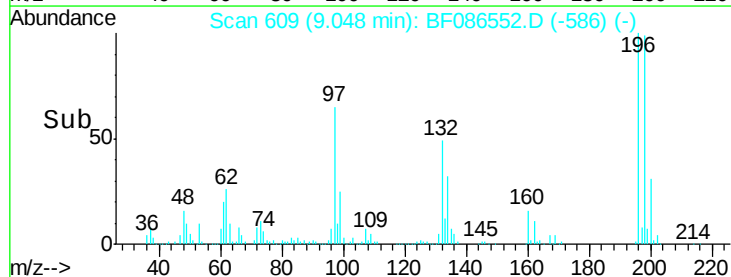
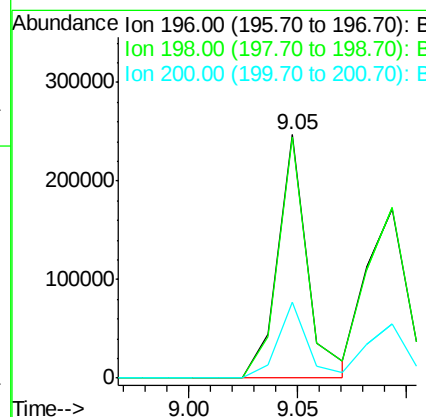
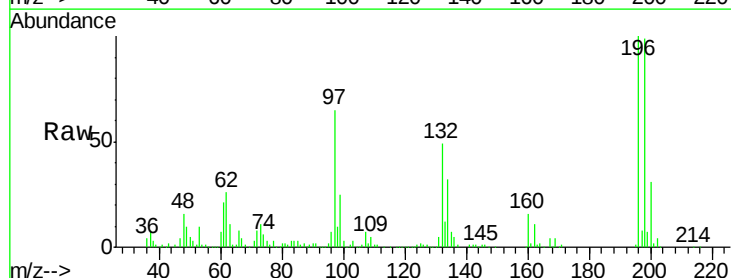
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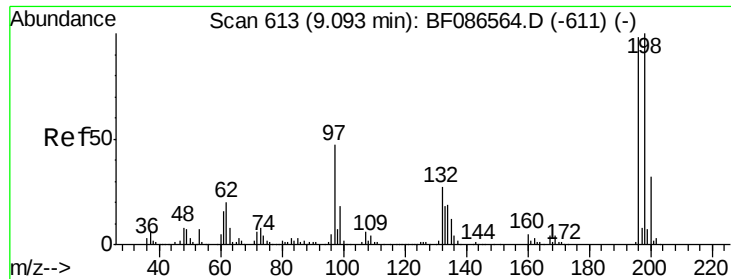
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#42
 2,4,6-Trichlorophenol
 Concen: 48.03 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.03 min
 Lab File: BF086552.D
 Acq: 1 May 2016 5:42

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	237385		
198	99.1	74.7	112.1	
200	31.0	23.8	35.6	





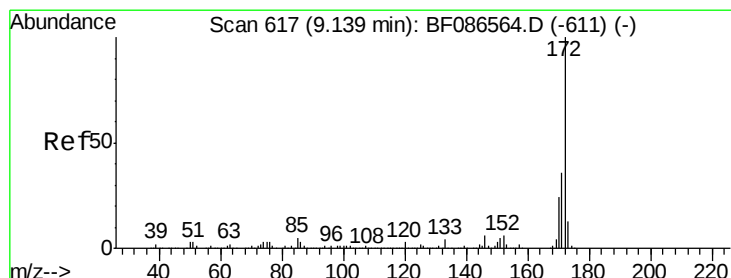
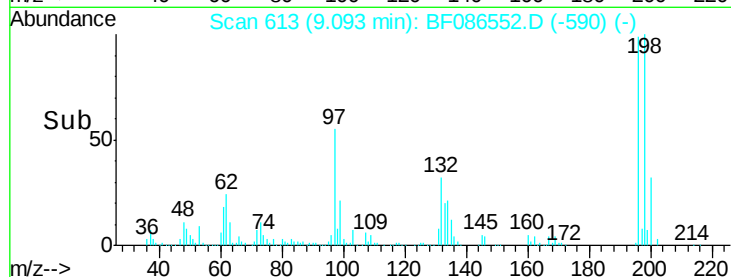
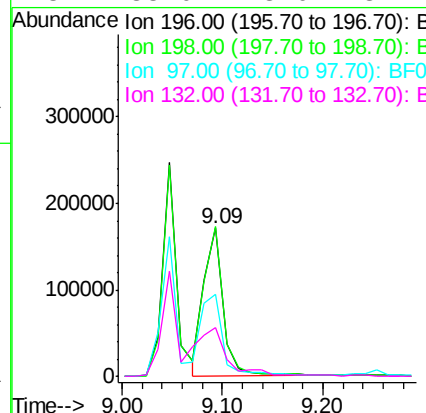
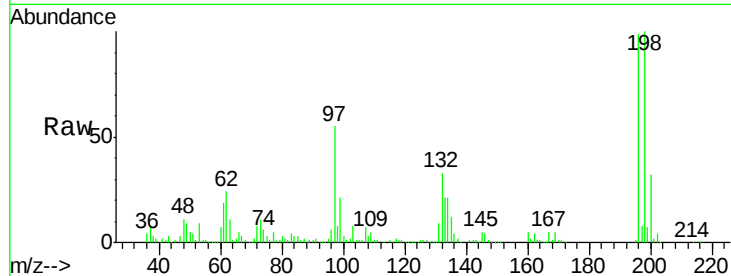
#43
2,4,5-Trichlorophenol
Concen: 43.30 ng
RT: 9.09 min Scan# 613
Delta R.T. -0.03 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

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

Tot Ion:	196	Resp:	233251
Ion Ratio	Lower	Upper	
196	100		
198	101.2	77.5	116.3
97	55.7	34.8	52.2
132	33.0	23.0	34.4

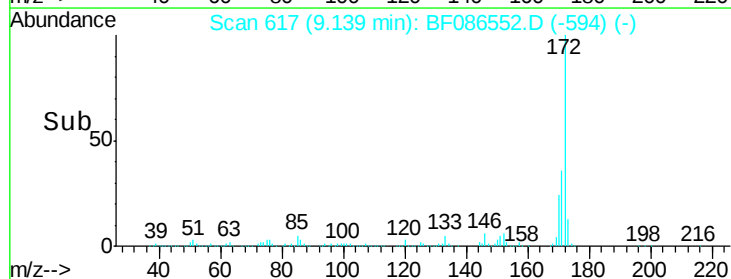
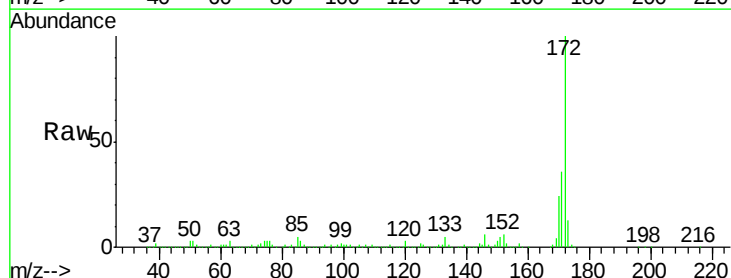
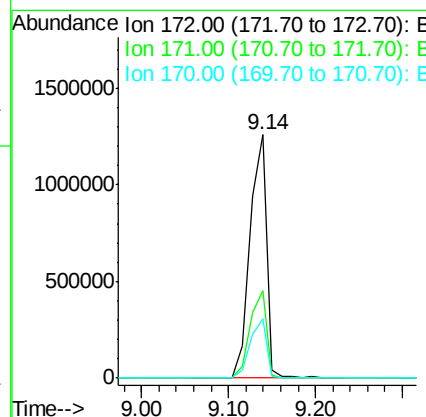
Manual Integrations
APPROVED

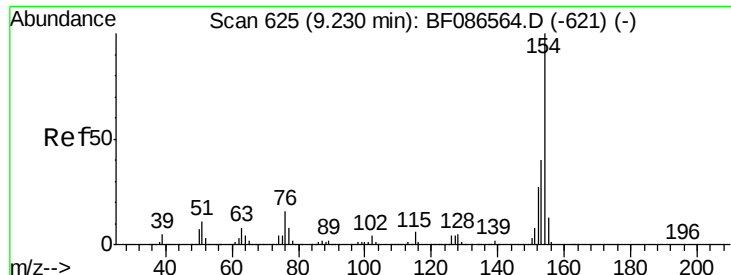
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#44
2-Fluorobiphenyl
Concen: 115.96 ng
RT: 9.14 min Scan# 617
Delta R.T. -0.03 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

Tgt Ion:	172	Resp:	1682093
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.0	43.6
170	24.2	19.8	29.8





#45

1,1'-Biphenyl

Concen: 41.62 ng

RT: 9.23 min Scan# 625

Delta R.T. -0.05 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Instrument :

BNA_F

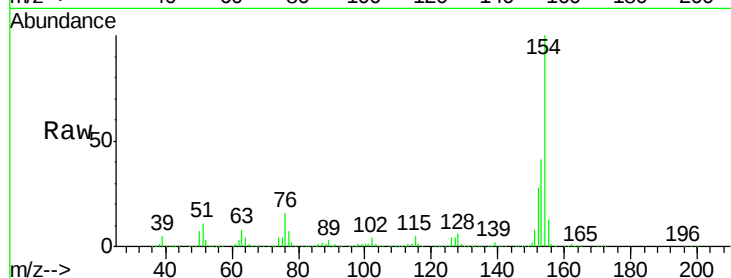
ClientSampleId :

HW-7-4-26-16MSD

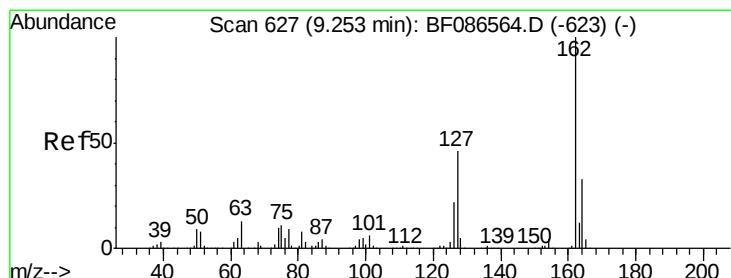
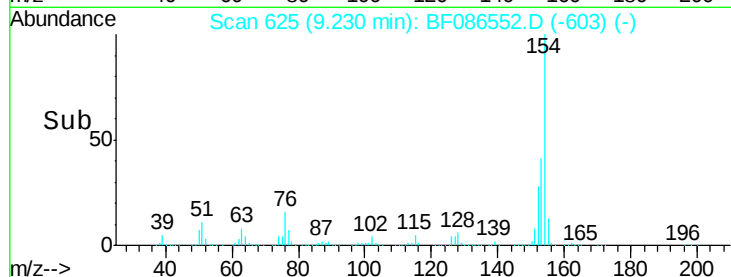
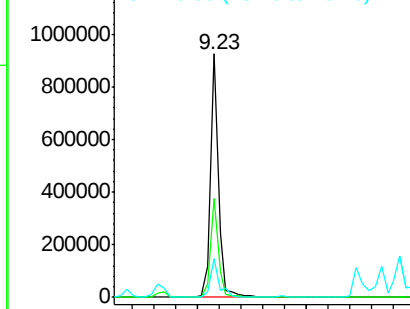
Tot Ion:	154	Resp:	950109
Ion Ratio		Lower	Upper
154	100		
153	40.6	20.3	60.3
76	15.9	0.0	30.2

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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: 41.91 ng

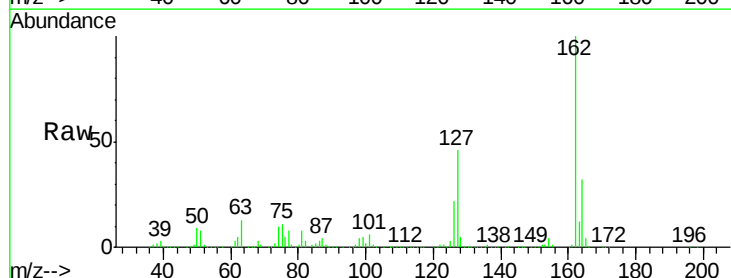
RT: 9.25 min Scan# 627

Delta R.T. -0.05 min

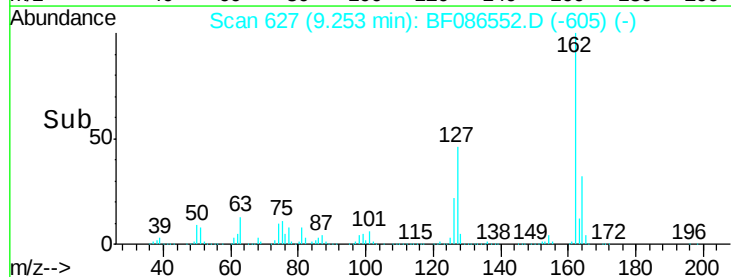
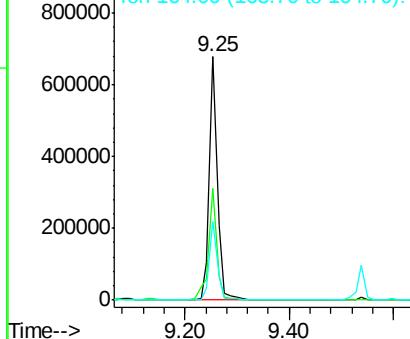
Lab File: BF086552.D

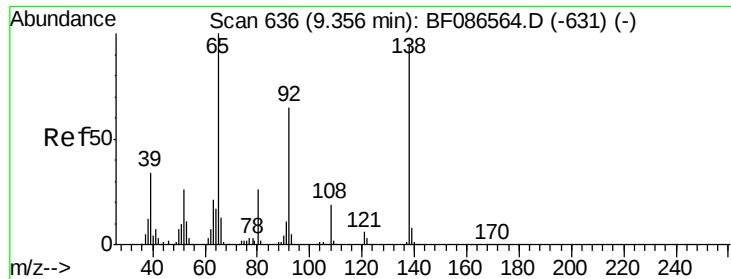
Acq: 1 May 2016 5:42

Tgt Ion:	162	Resp:	727538
Ion Ratio		Lower	Upper
162	100		
127	46.2	31.8	47.6
164	32.2	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





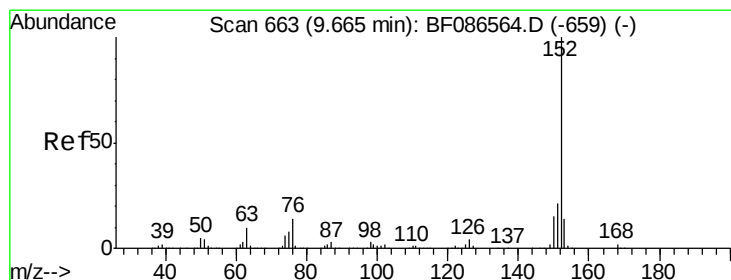
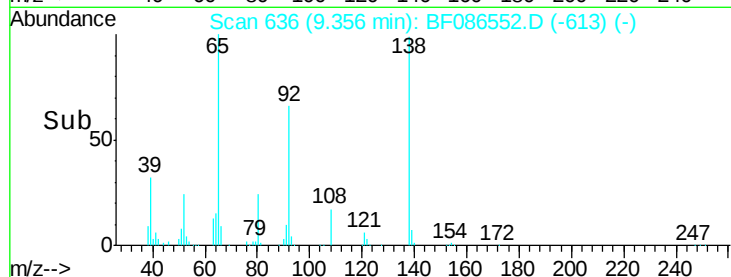
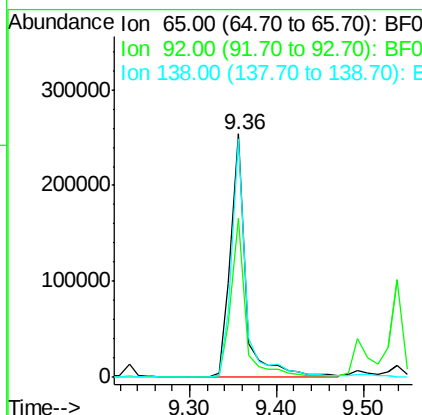
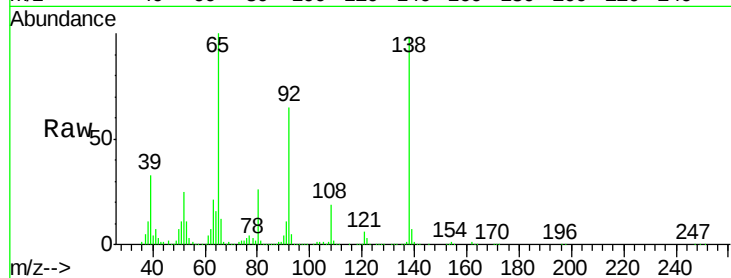
#47
2-Nitroaniline
Concen: 55.84 ng
RT: 9.36 min Scan# 636
Delta R.T. -0.03 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

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

Tot Ion	Ratio	Lower	Upper
65	100		
92	65.3	57.4	86.2
138	98.1	90.1	135.1

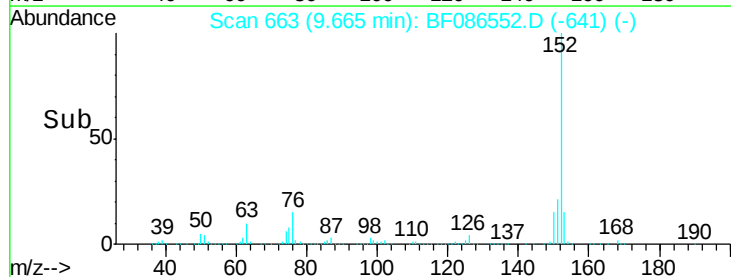
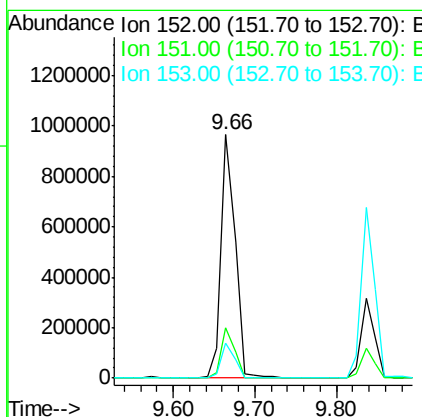
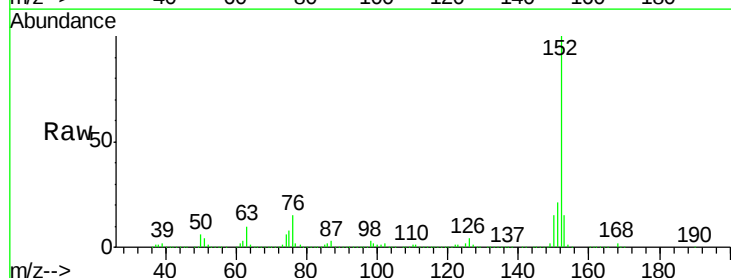
Manual Integrations
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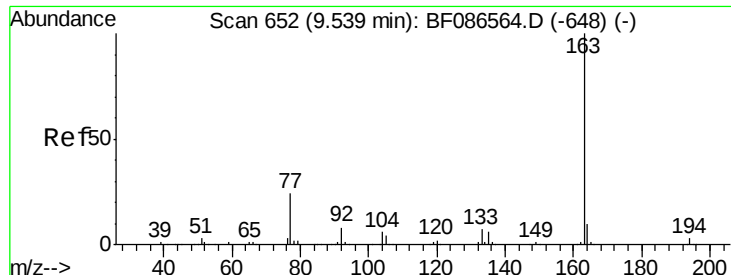
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#48
Acenaphthylene
Concen: 42.33 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.05 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.8	25.2
153	14.6	10.9	16.3





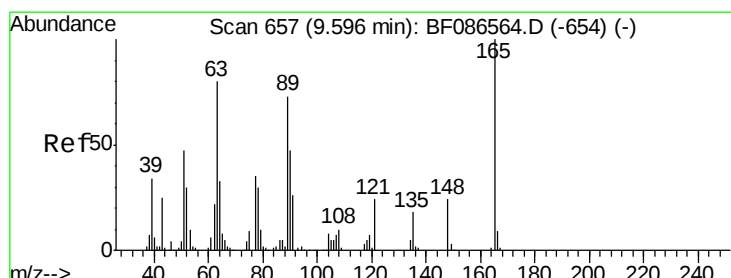
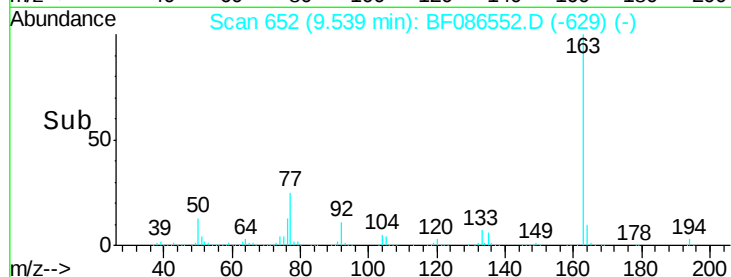
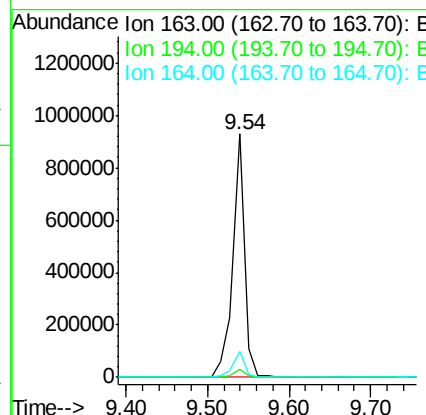
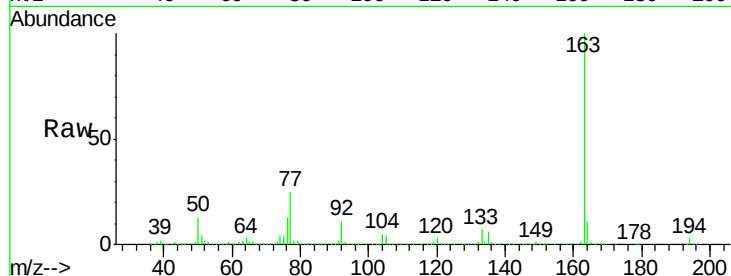
#49
Dimethylphthalate
Concen: 45.17 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.03 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100	928895		
194	3.3		2.6	4.0
164	10.6		8.2	12.4

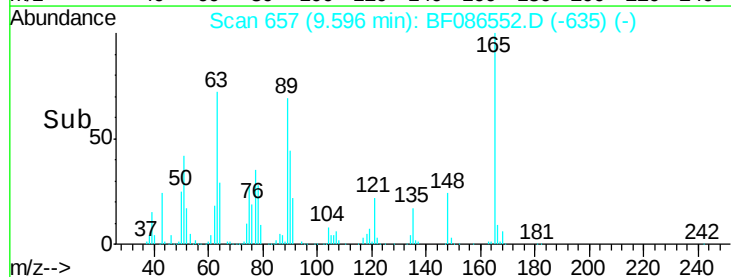
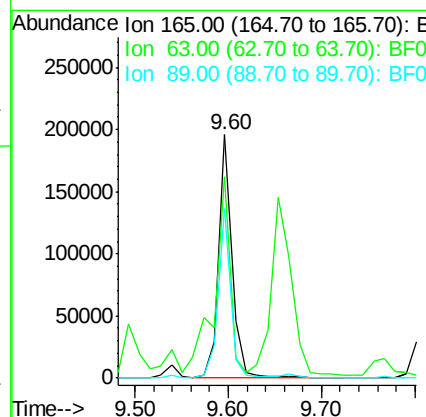
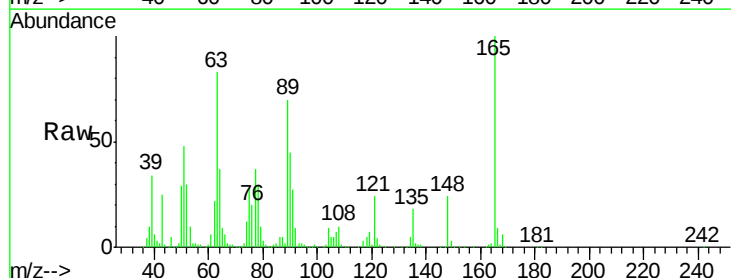
Manual Integrations
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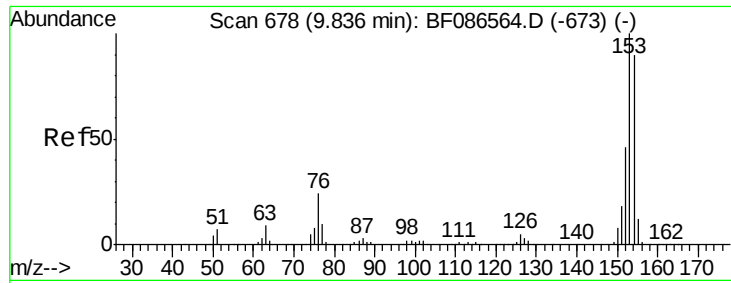
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#50
2,6-Dinitrotoluene
Concen: 45.92 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.05 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	195092		
63	82.7		51.8	77.8#
89	69.6		50.7	76.1





#51

Acenaphthene

Concen: 47.67 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.05 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Instrument :

BNA_F

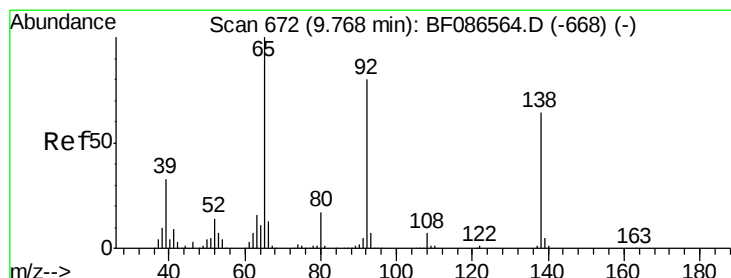
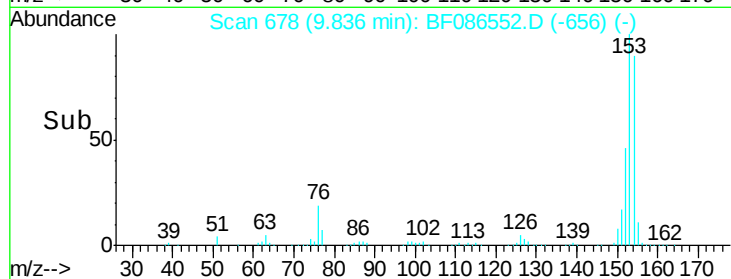
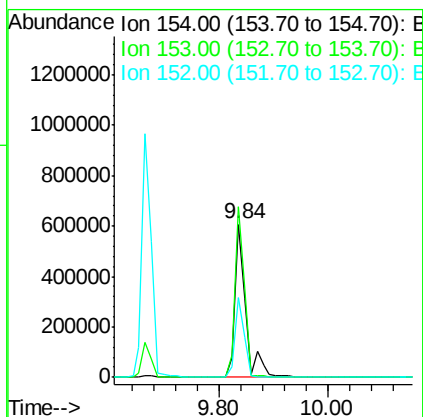
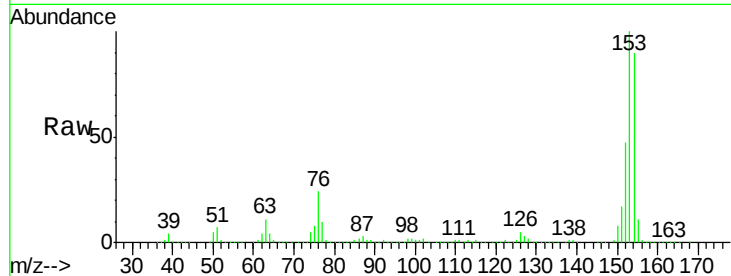
ClientSampleId :

HW-7-4-26-16MSD

Tot Ion:	154	Resp:	830806
Ion Ratio	Lower	Upper	
154	100		
153	111.6	89.8	134.6
152	52.1	43.4	65.0

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#52

3-Nitroaniline

Concen: 24.30 ng

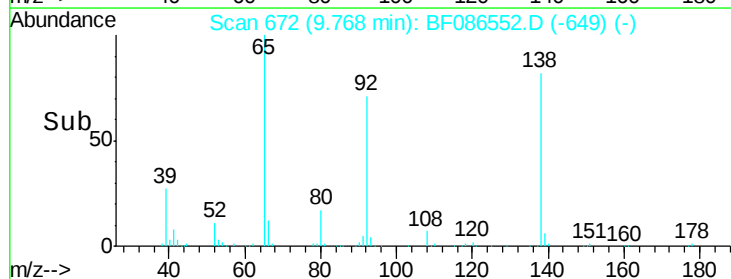
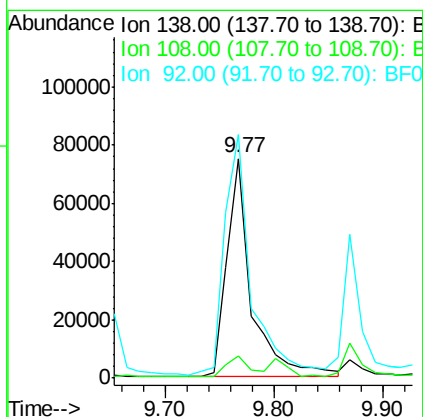
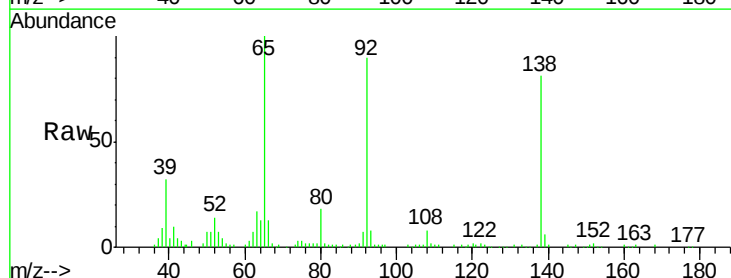
RT: 9.77 min Scan# 672

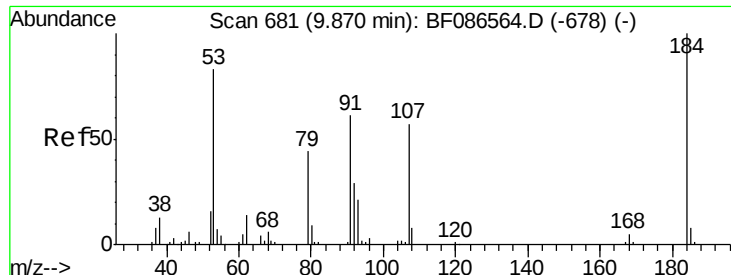
Delta R.T. -0.03 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Tgt Ion:	138	Resp:	117390
Ion Ratio	Lower	Upper	
138	100		
108	10.2	7.8	11.6
92	110.9	87.8	131.8





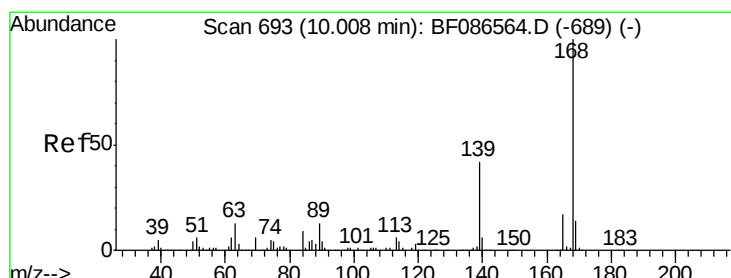
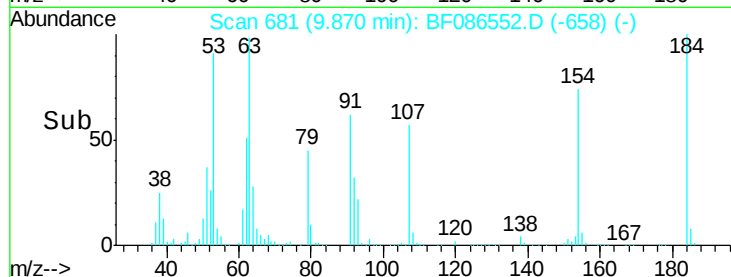
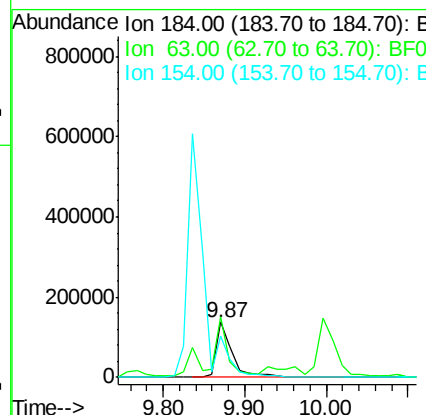
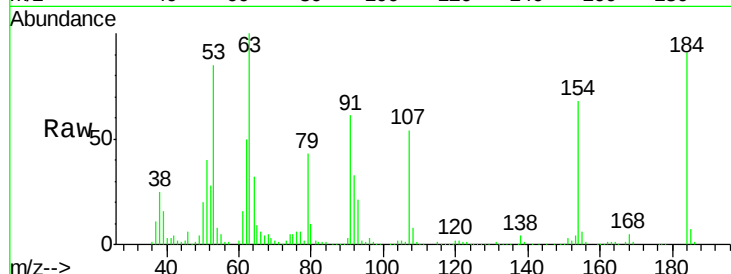
#53
2,4-Dinitrophenol
Concen: 81.71 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.03 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

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

Tot Ion	Ratio	Resp	Lower	Upper
184	100	190227		
63	109.8	55.8	83.8#	
154	74.3	62.4	93.6	

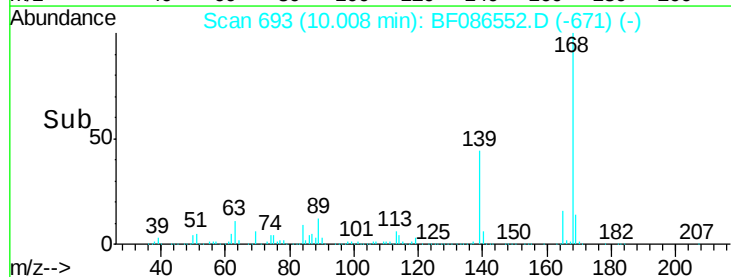
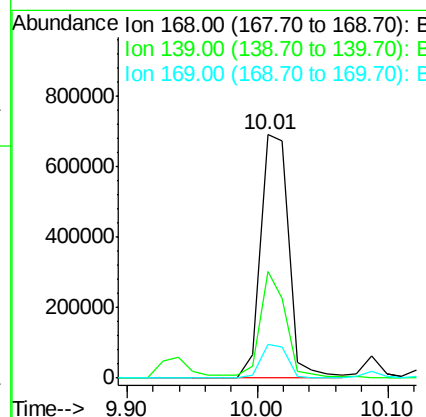
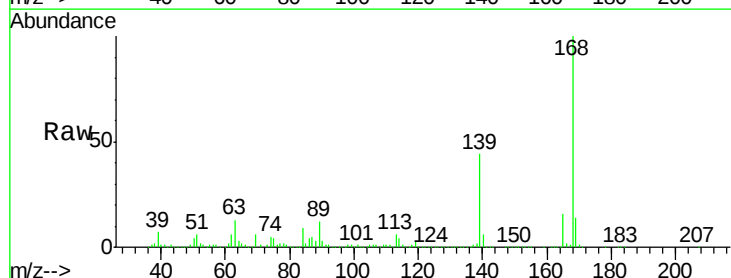
Manual Integrations
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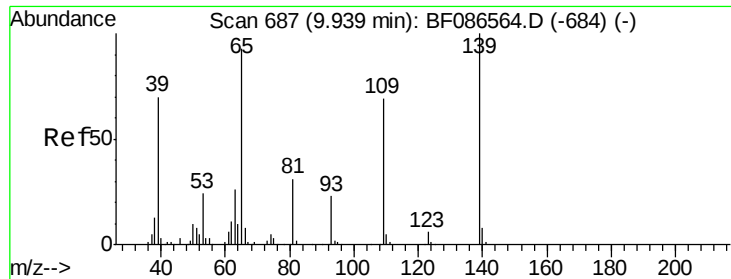
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#54
Dibenzofuran
Concen: 47.58 ng
RT: 10.01 min Scan# 693
Delta R.T. -0.05 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1036461		
139	43.9	31.4	47.0	
169	14.0	10.7	16.1	





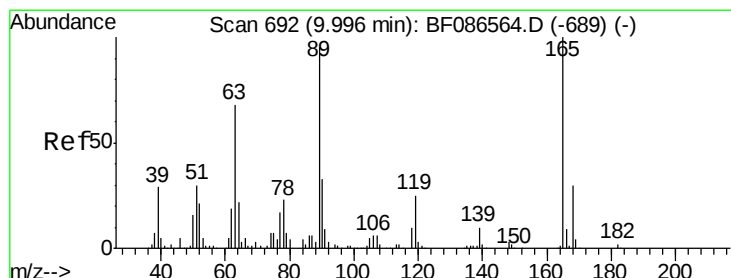
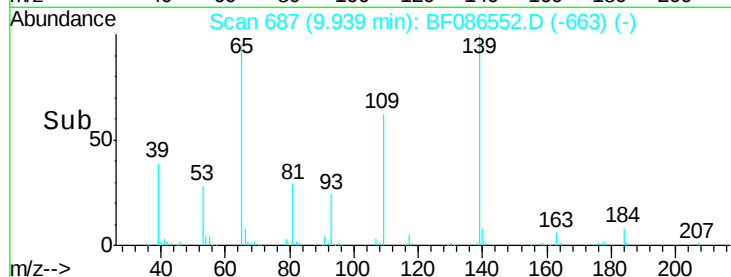
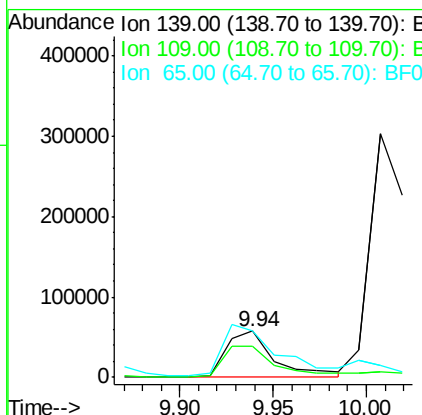
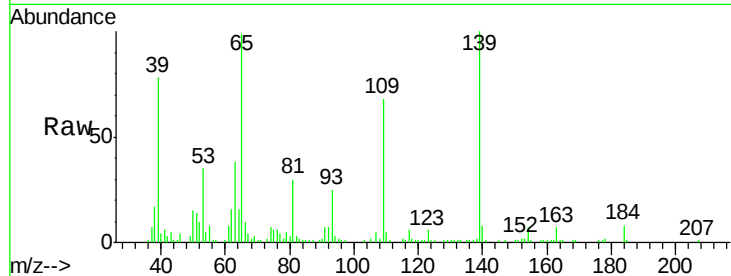
#55
4-Nitrophenol
Concen: 32.46 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

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

Tot Ion	Ratio	Resp	Lower	Upper
139	100	102680		
109	68.0	36.9	76.9	
65	99.3	64.0	104.0	

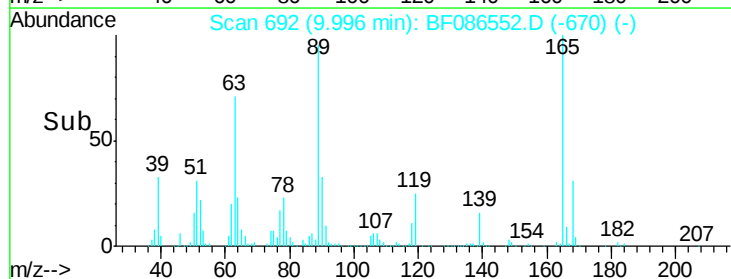
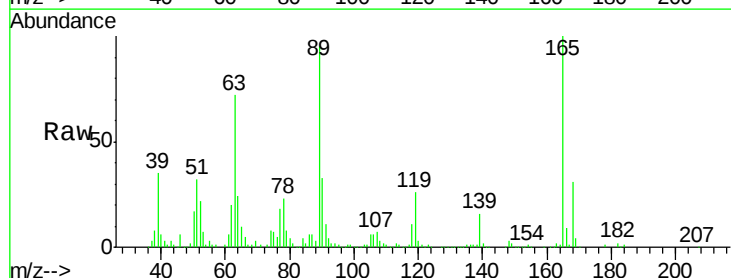
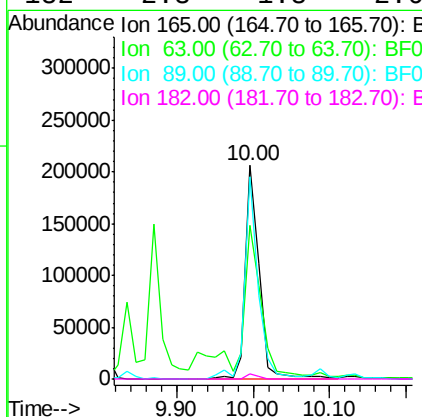
Manual Integrations
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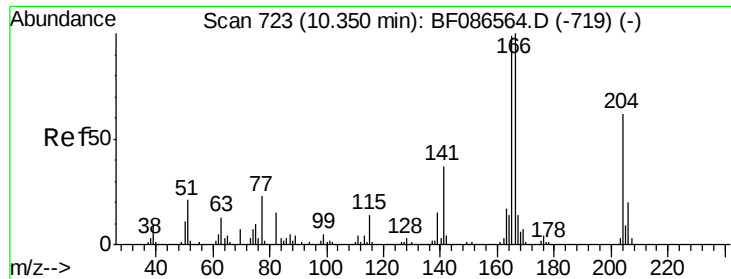
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#56
2,4-Dinitrotoluene
Concen: 47.96 ng
RT: 10.00 min Scan# 692
Delta R.T. -0.05 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	259707		
63	71.8	44.3	66.5#	
89	94.8	70.0	105.0	
182	2.3	1.8	2.6	





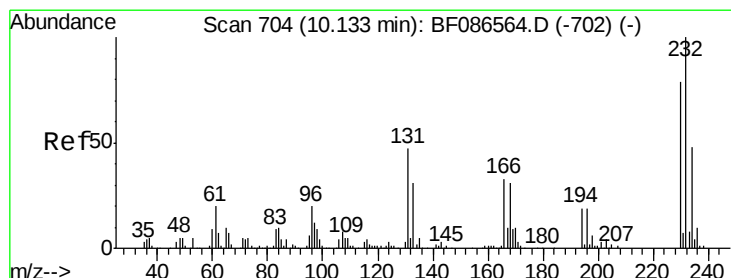
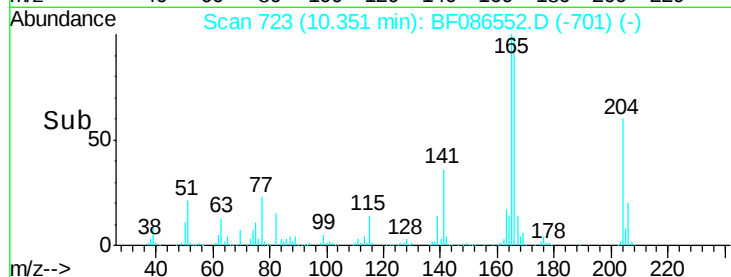
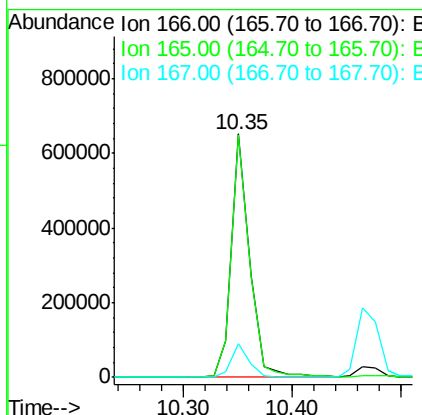
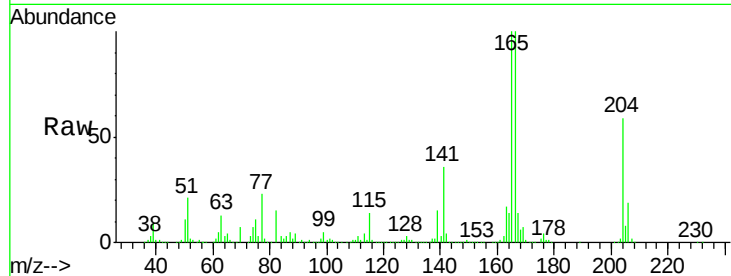
#57
Fluorene
 Concen: 39.50 ng
 RT: 10.35 min Scan# 723
 Delta R.T. -0.05 min
 Lab File: BF086552.D
 Acq: 1 May 2016 5:42

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

Tot Ion	Ratio	Resp	Lower	Upper
166	100	747007		
165	99.6	79.0	118.6	
167	14.1	10.6	15.8	

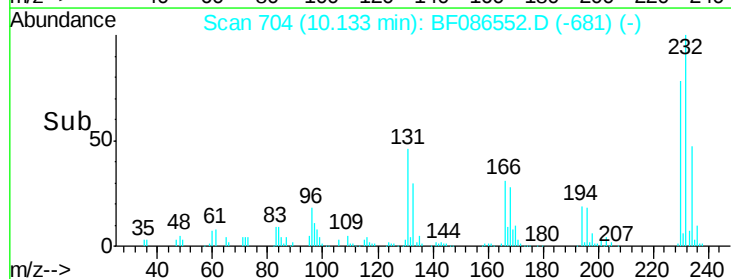
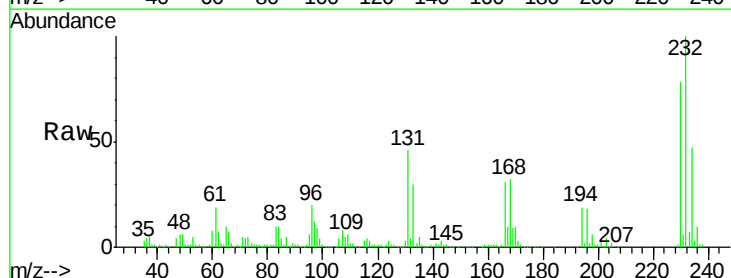
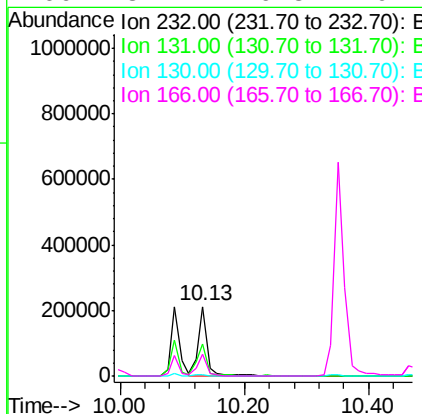
Manual Integrations
 APPROVED

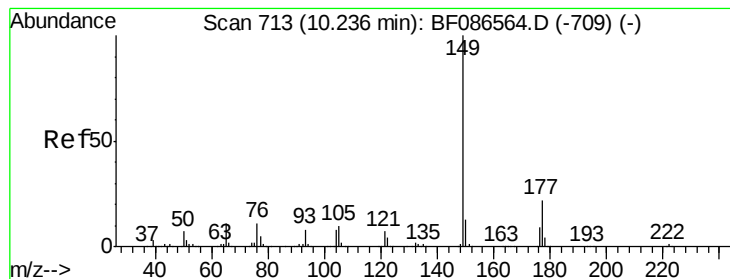
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 5/2/2016 7:54:46 PM



#58
2,3,4,6-Tetrachlorophenol
 Concen: 51.56 ng
 RT: 10.13 min Scan# 704
 Delta R.T. -0.03 min
 Lab File: BF086552.D
 Acq: 1 May 2016 5:42

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	217156		
131	50.5	41.9	62.9	
130	3.1	2.2	3.4	
166	31.1	26.8	40.2	





#59

Diethylphthalate

Concen: 45.74 ng

RT: 10.24 min Scan# 713

Delta R.T. -0.03 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Instrument :

BNA_F

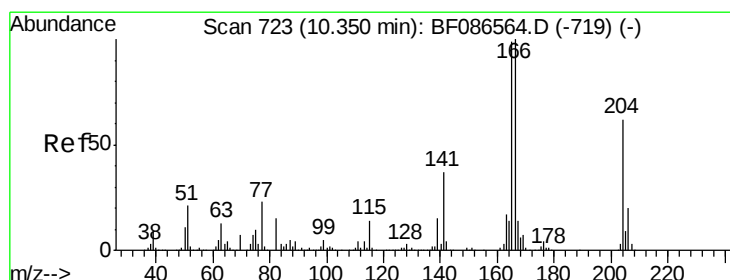
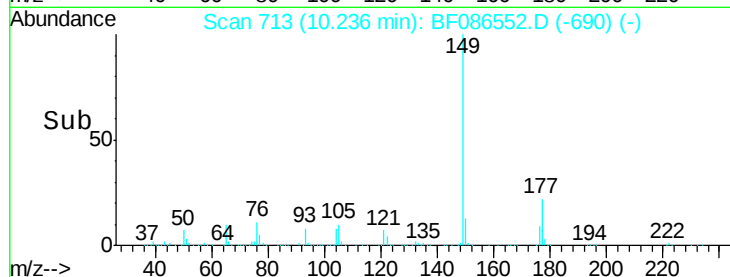
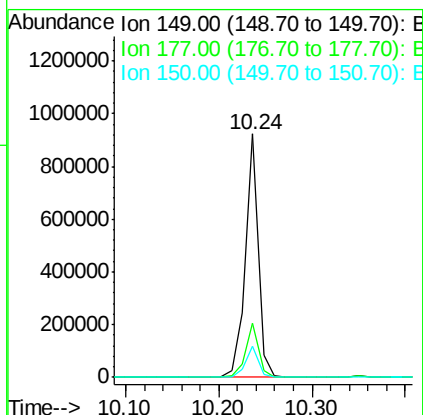
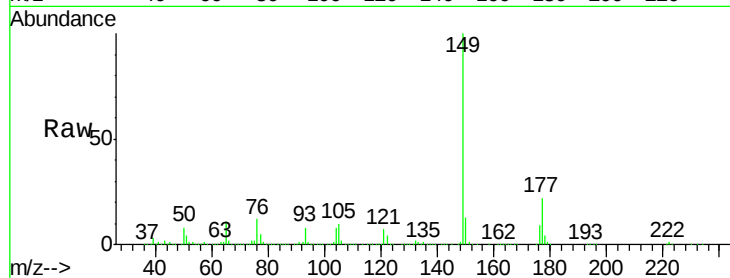
ClientSampleId :

HW-7-4-26-16MSD

Tot Ion:	149	Resp:	890347
Ion Ratio		Lower	Upper
149	100		
177	22.2	16.6	24.8
150	12.9	10.0	15.0

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#60

4-Chlorophenyl-phenylether

Concen: 44.81 ng

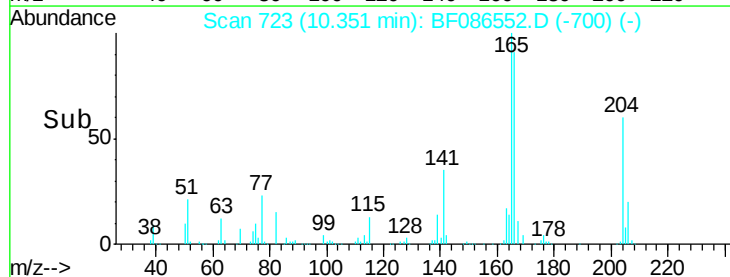
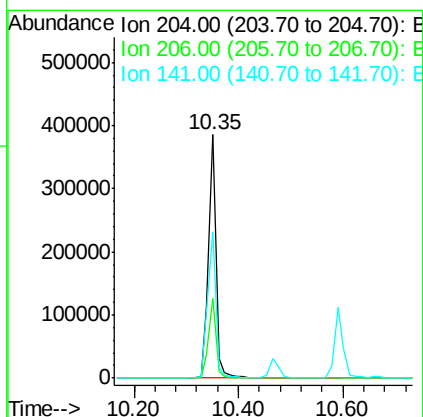
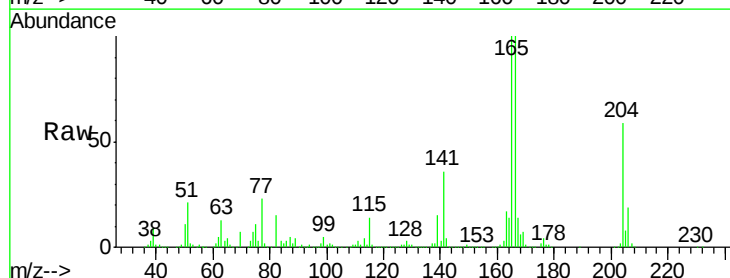
RT: 10.35 min Scan# 723

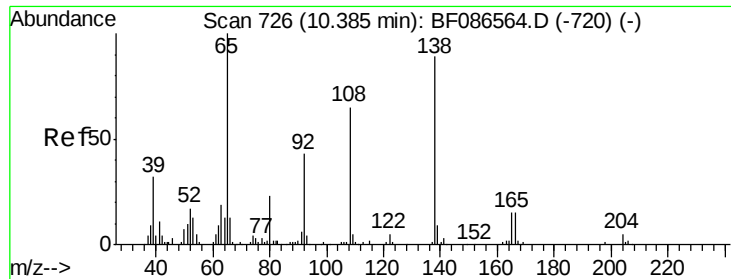
Delta R.T. -0.03 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Tgt Ion:	204	Resp:	384740
Ion Ratio		Lower	Upper
204	100		
206	32.8	25.4	38.0
141	60.1	61.6	92.4#





#61

4-Nitroaniline

Concen: 45.80 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Instrument :

BNA_F

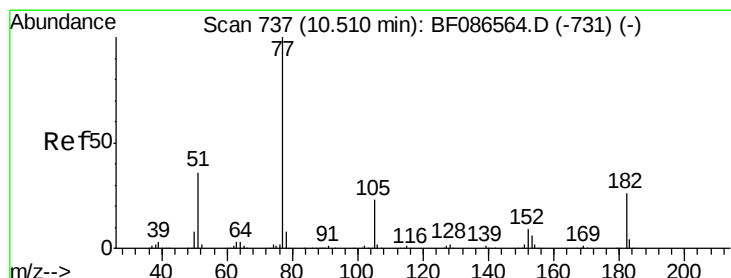
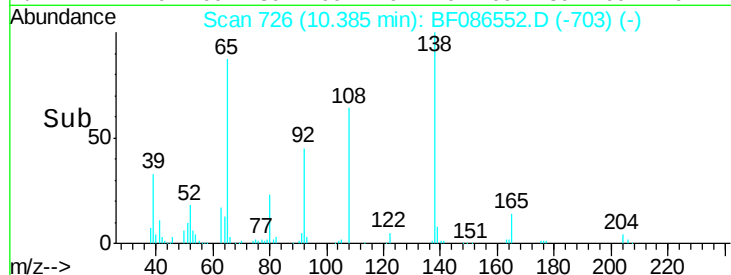
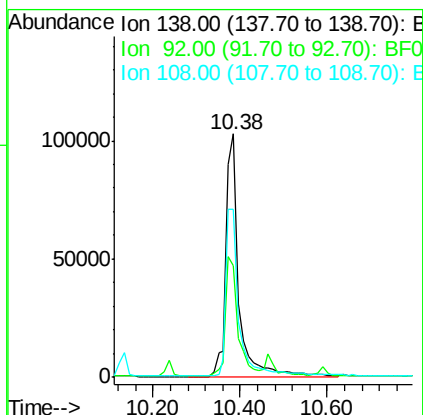
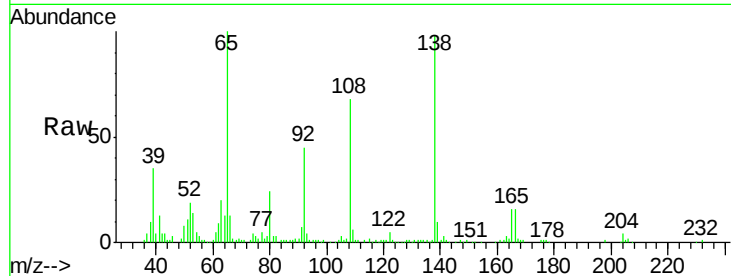
ClientSampleId :

HW-7-4-26-16MSD

Tot Ion:	138	Resp:	216308
Ion Ratio	Lower	Upper	
138	100		
92	45.7	24.7	64.7
108	69.3	37.4	77.4

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#62

Azobenzene

Concen: 50.13 ng

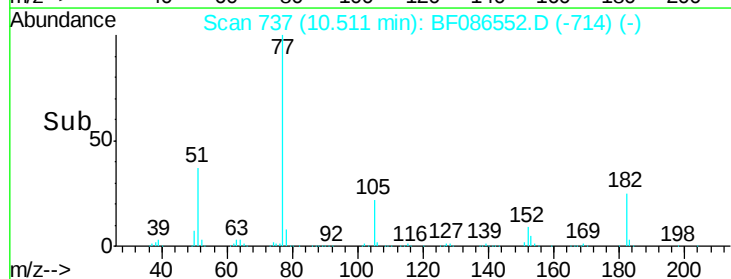
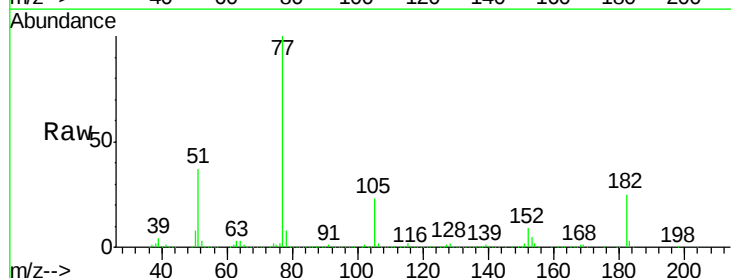
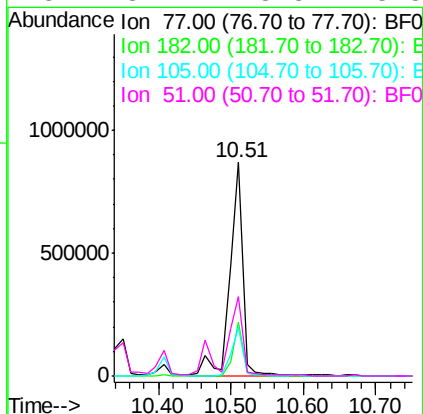
RT: 10.51 min Scan# 737

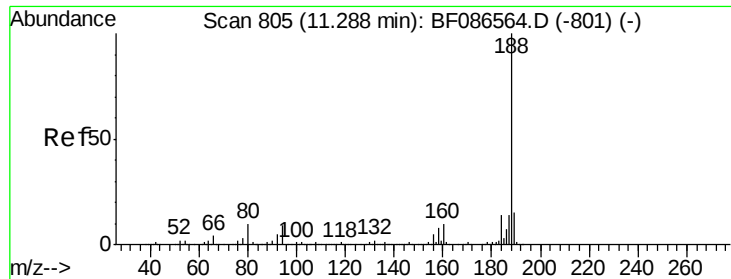
Delta R.T. -0.03 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Tgt Ion:	77	Resp:	1068828
Ion Ratio	Lower	Upper	
77	100		
182	25.2	0.0	38.8
105	22.7	3.2	43.2
51	37.4	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: BF086552.D

Acq: 1 May 2016 5:42

Instrument :

BNA_F

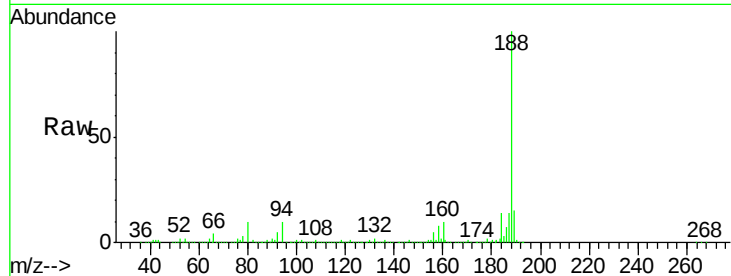
ClientSampleId :

HW-7-4-26-16MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
188	100		536676		
94	9.7	6.8	10.2		
80	9.7	7.1	10.7		

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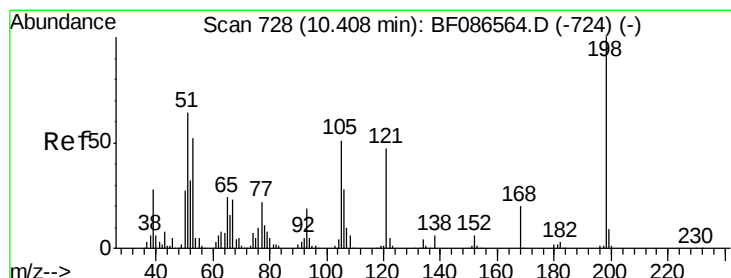
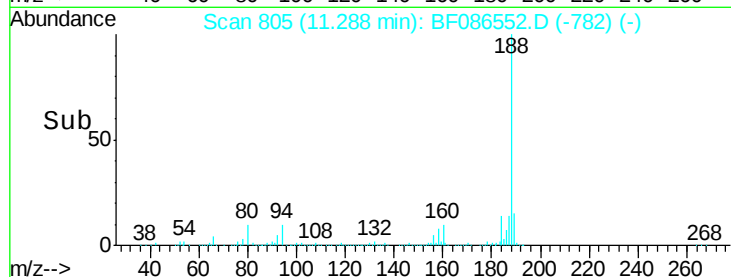
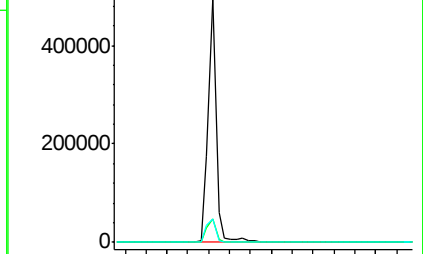
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Abundance Ion 188.00 (187.70 to 188.70): E

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: 46.44 ng

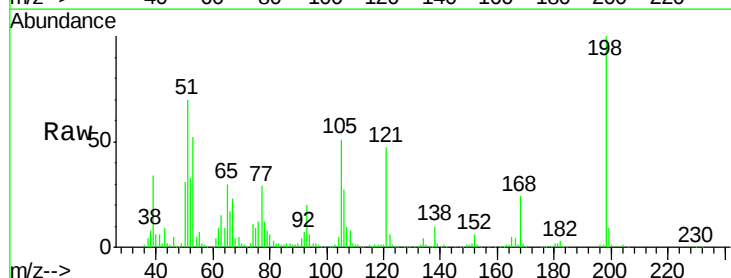
RT: 10.41 min Scan# 728

Delta R.T. -0.03 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

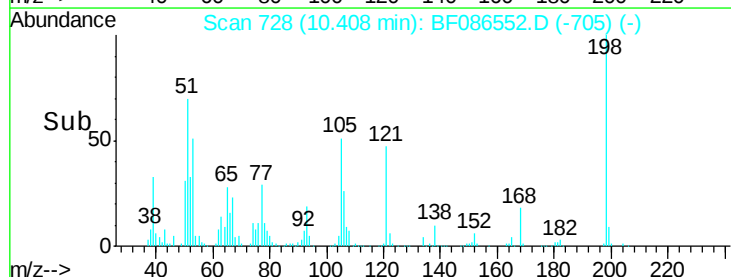
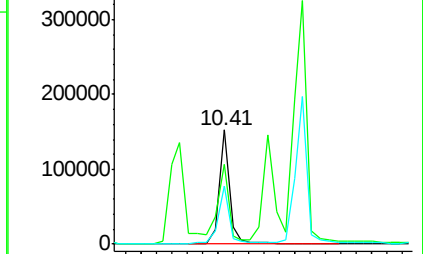
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
198	100		146323		
51	70.2	20.5	60.5#		
105	50.6	24.5	64.5		

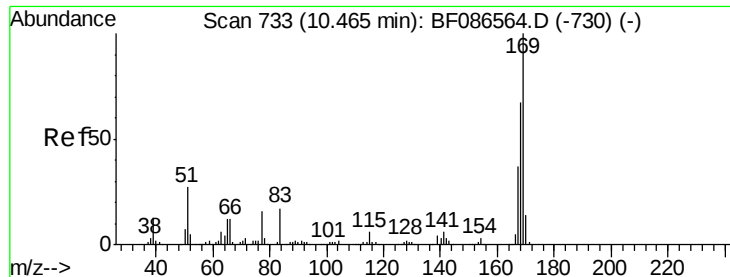


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 42.18 ng

RT: 10.46 min Scan# 733

Delta R.T. -0.05 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Instrument :

BNA_F

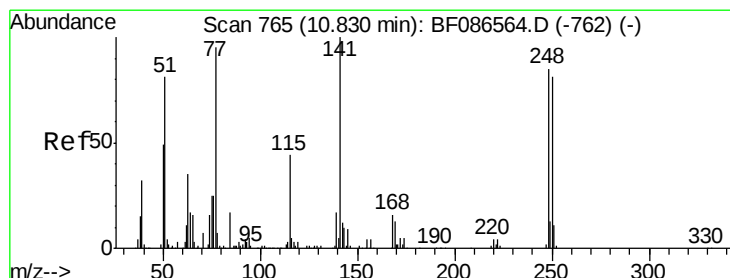
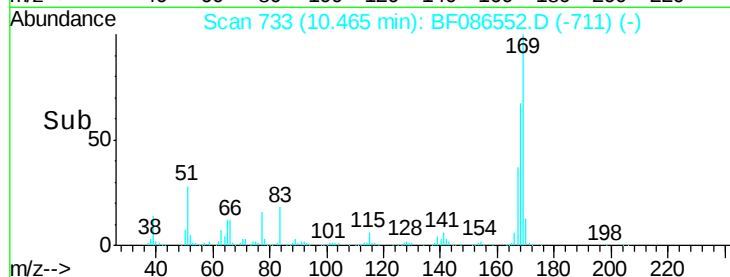
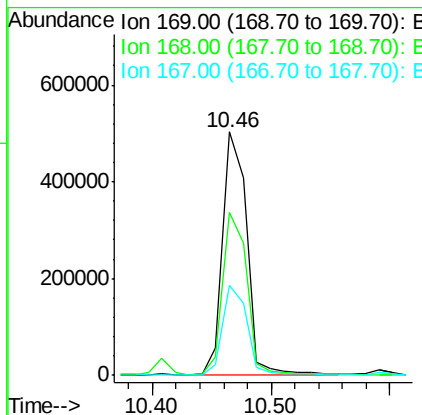
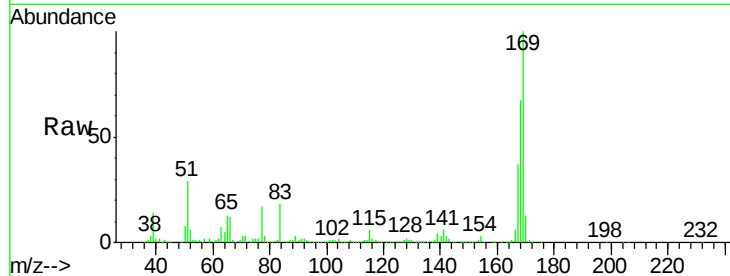
ClientSampleId :

HW-7-4-26-16MSD

Tot Ion:	169	Resp:	707436
Ion Ratio	Lower	Upper	
169	100		
168	67.1	53.8	80.6
167	36.9	29.5	44.3

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#66

4-Bromophenyl-phenylether

Concen: 42.79 ng

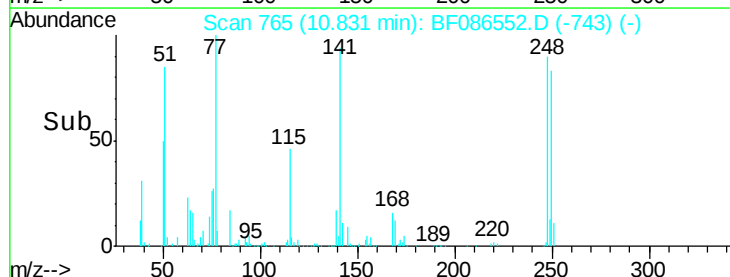
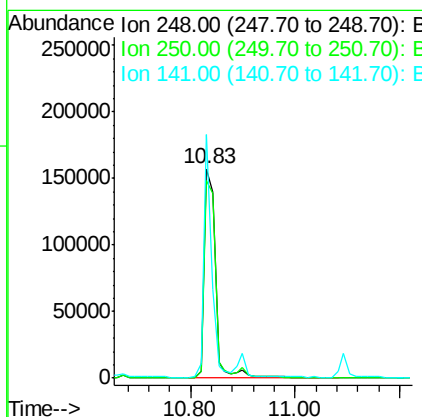
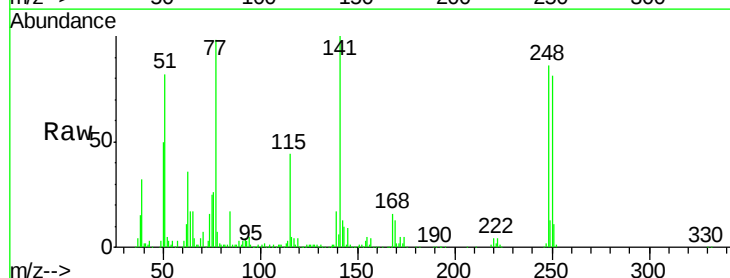
RT: 10.83 min Scan# 765

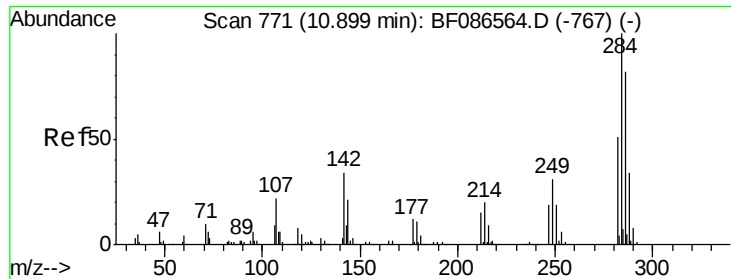
Delta R.T. -0.05 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Tgt Ion:	248	Resp:	236621
Ion Ratio	Lower	Upper	
248	100		
250	94.5	78.6	117.8
141	116.2	76.0	114.0#





#67

Hexachlorobenzene

Concen: 41.54 ng

RT: 10.90 min Scan# 771

Delta R.T. -0.03 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Instrument :

BNA_F

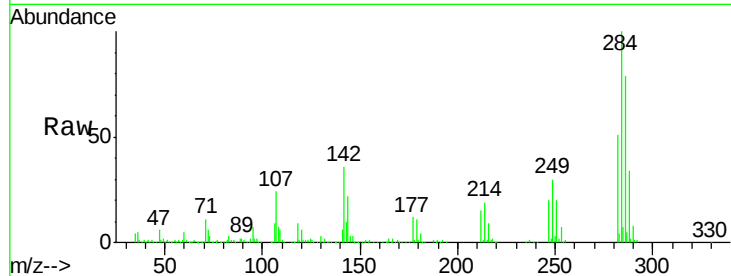
ClientSampleId :

HW-7-4-26-16MSD

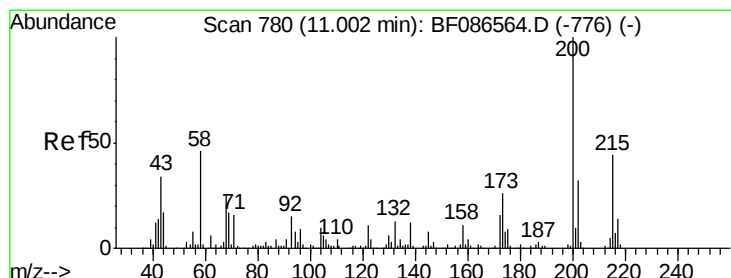
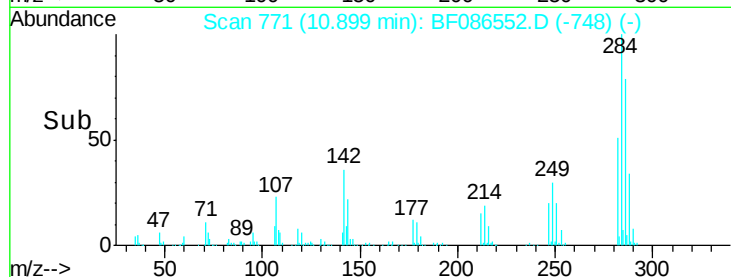
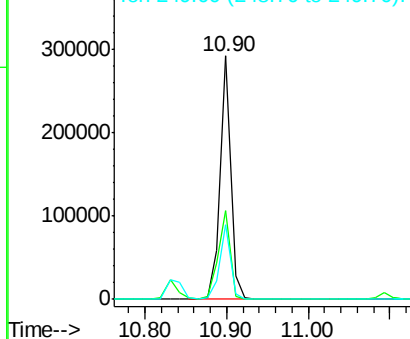
Tot Ion:	284	Resp:	265871
Ion Ratio	Lower	Upper	
284	100		
142	36.3	16.7	25.1#
249	30.5	21.3	31.9

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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: 48.95 ng

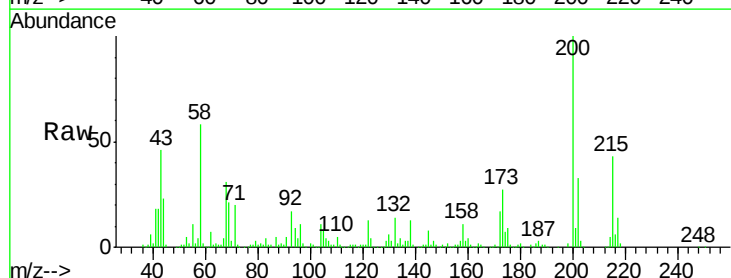
RT: 11.00 min Scan# 780

Delta R.T. -0.03 min

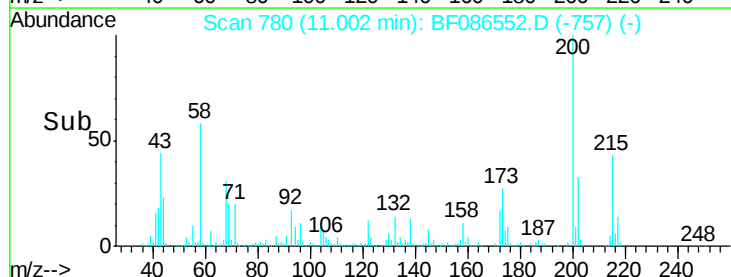
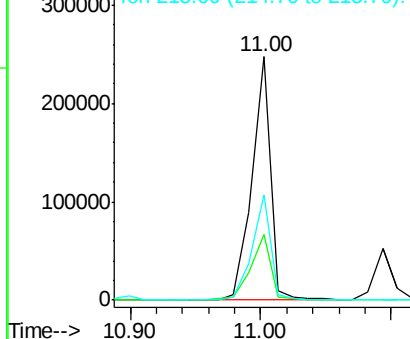
Lab File: BF086552.D

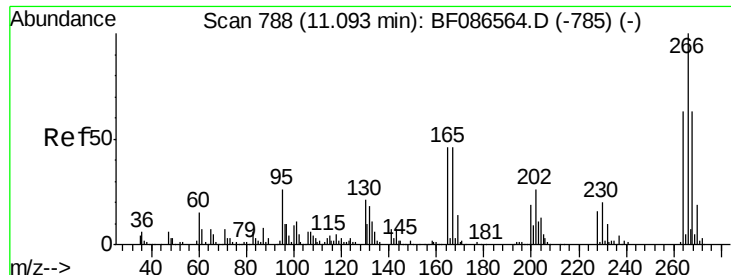
Acq: 1 May 2016 5:42

Tgt Ion:	200	Resp:	246540
Ion Ratio	Lower	Upper	
200	100		
173	26.8	8.5	48.5
215	43.1	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





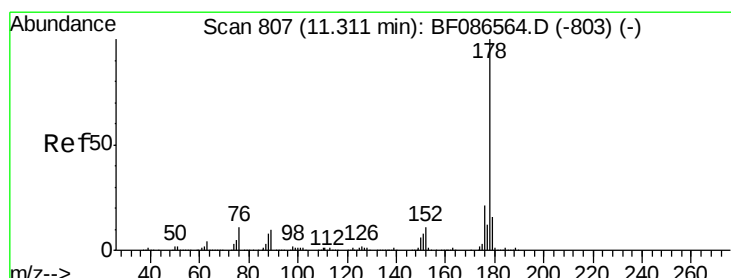
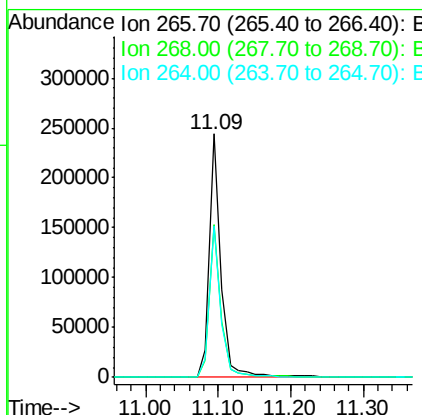
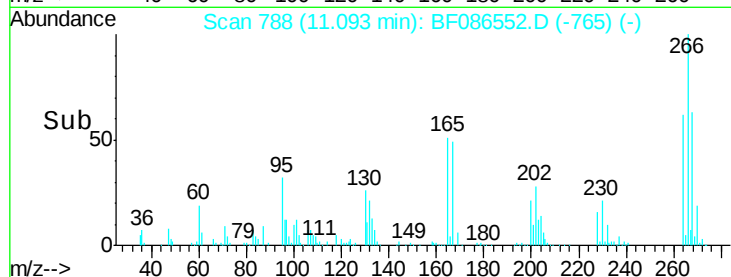
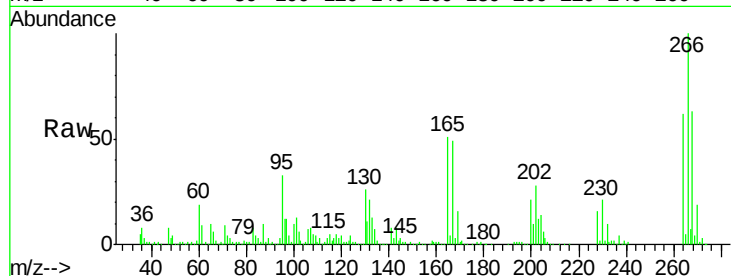
#69
 Pentachlorophenol
 Concen: 81.57 ng
 RT: 11.09 min Scan# 788
 Delta R.T. -0.03 min
 Lab File: BF086552.D
 Acq: 1 May 2016 5:42

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

Tot Ion	Ratio	Resp	Lower	Upper
266	100	275295		
268	62.7	51.5	77.3	
264	62.1	52.9	79.3	

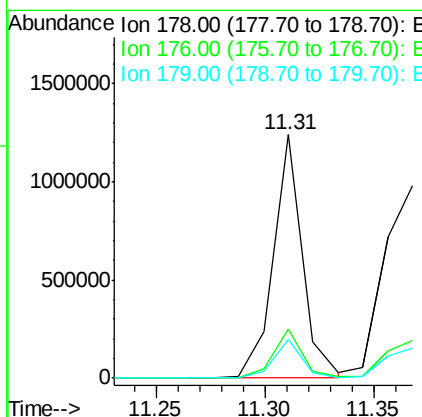
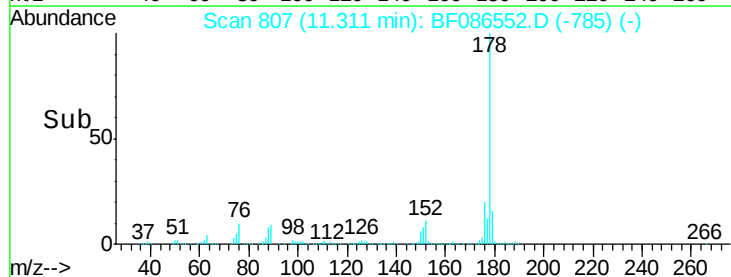
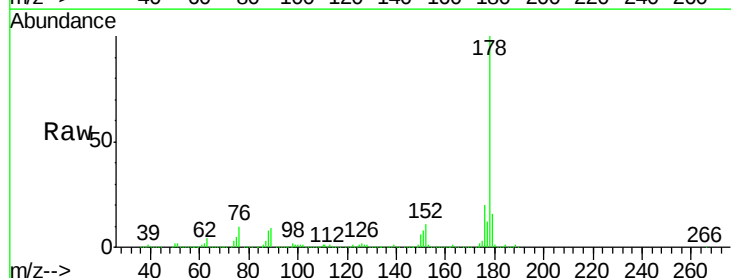
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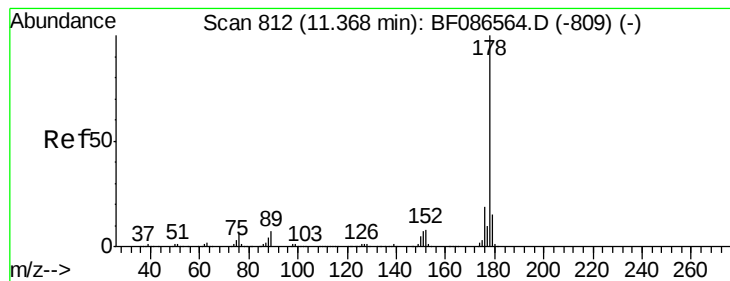
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#70
 Phenanthrene
 Concen: 41.38 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.05 min
 Lab File: BF086552.D
 Acq: 1 May 2016 5:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1165516		
176	20.4	16.0	24.0	
179	15.8	12.6	18.8	





#71

Anthracene

Concen: 44.91 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.03 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Instrument :

BNA_F

ClientSampleId :

HW-7-4-26-16MSD

Tot Ion:178 Resp: 1349721

Ion Ratio Lower Upper

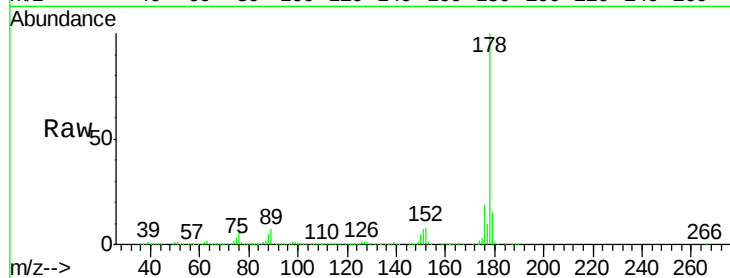
178 100

176 19.5 15.6 23.4

179 15.4 12.7 19.1

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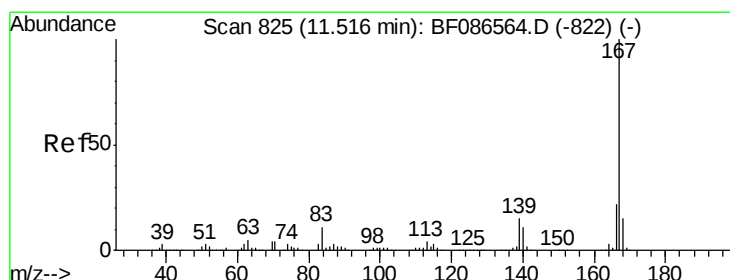
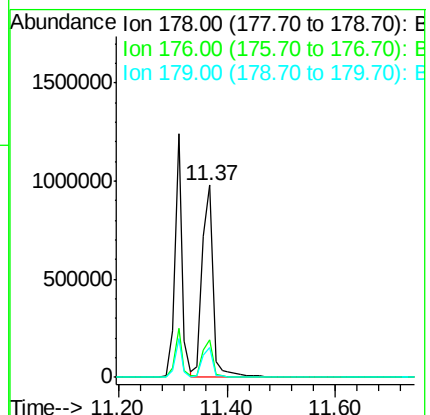
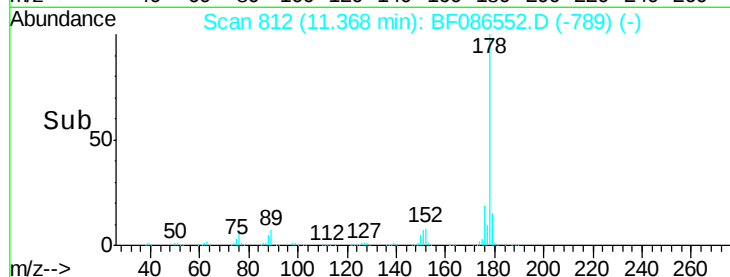
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 42.79 ng

RT: 11.52 min Scan# 825

Delta R.T. -0.05 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

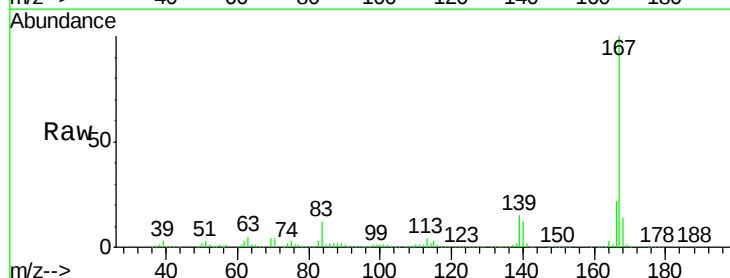
Tgt Ion:167 Resp: 1139889

Ion Ratio Lower Upper

167 100

166 22.4 17.7 26.5

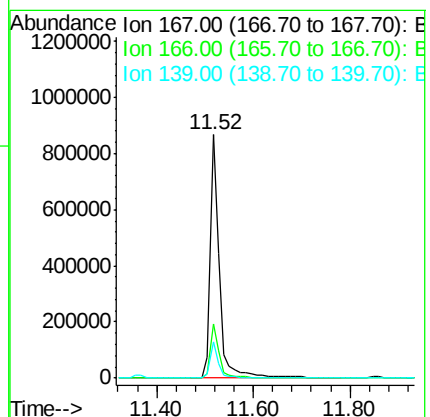
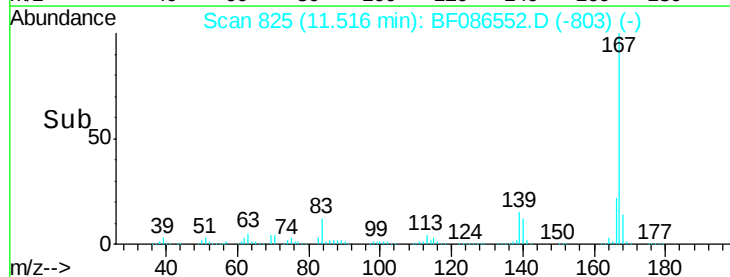
139 14.8 10.8 16.2

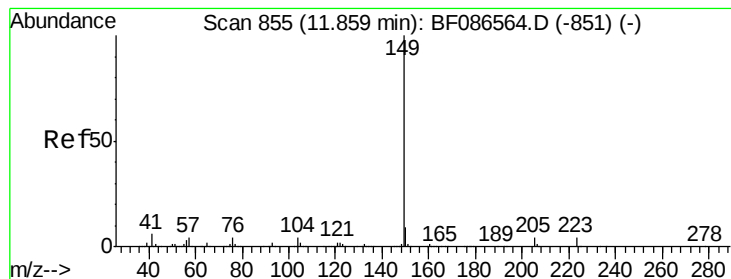


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 46.38 ng

RT: 11.86 min Scan# 855

Delta R.T. -0.03 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Instrument :

BNA_F

ClientSampleId :

HW-7-4-26-16MSD

Tot Ion:149 Resp: 1399590

Ion Ratio Lower Upper

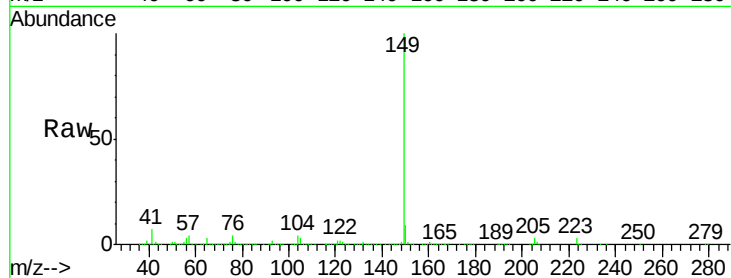
149 100

150 9.1 7.6 11.4

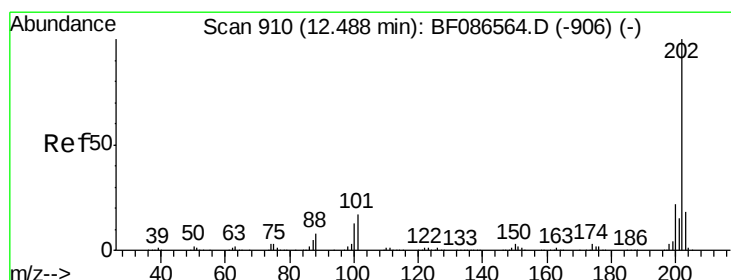
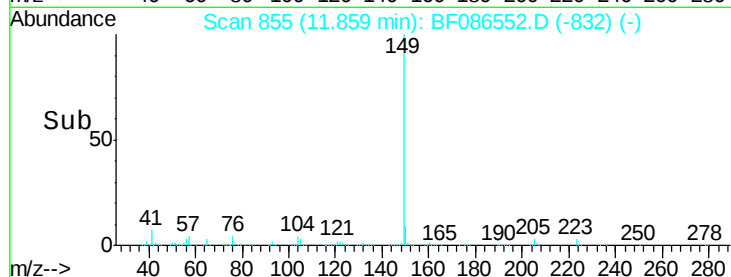
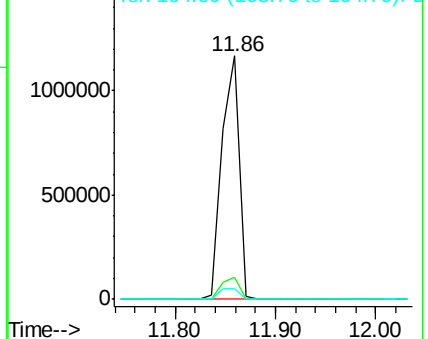
104 4.5 3.8 5.6

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 45.08 ng

RT: 12.49 min Scan# 910

Delta R.T. -0.05 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

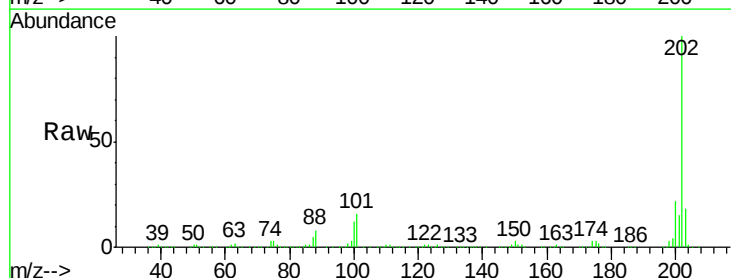
Tgt Ion:202 Resp: 1281481

Ion Ratio Lower Upper

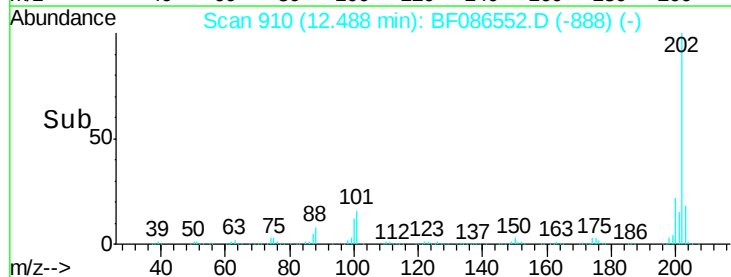
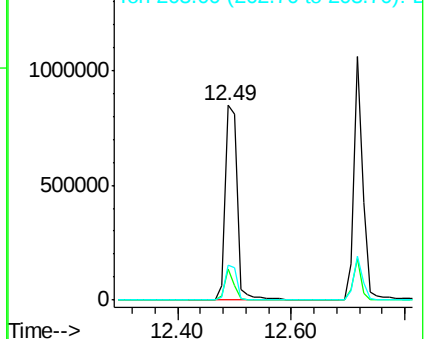
202 100

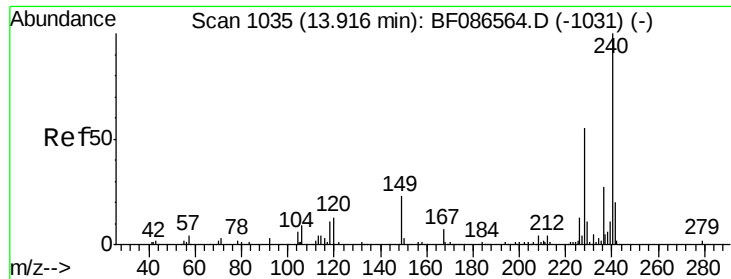
101 15.7 0.0 35.4

203 18.2 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.05 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Instrument :

BNA_F

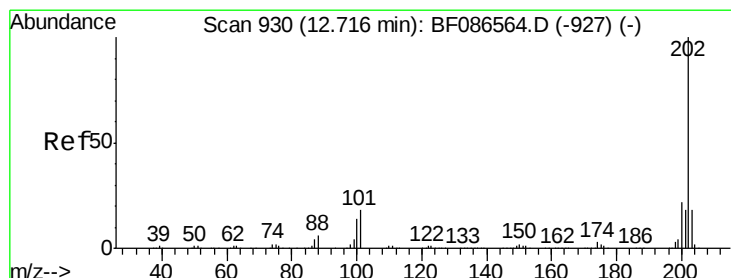
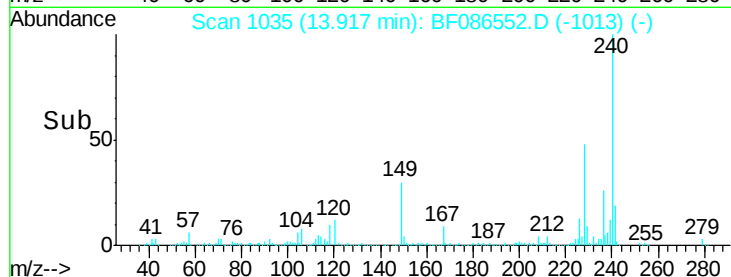
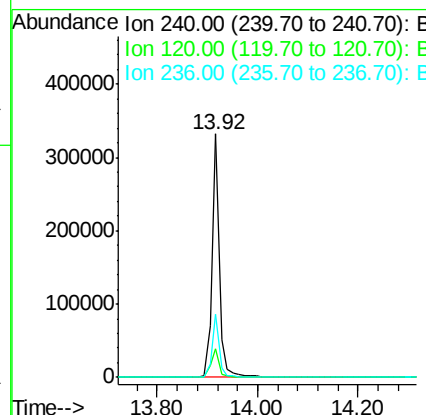
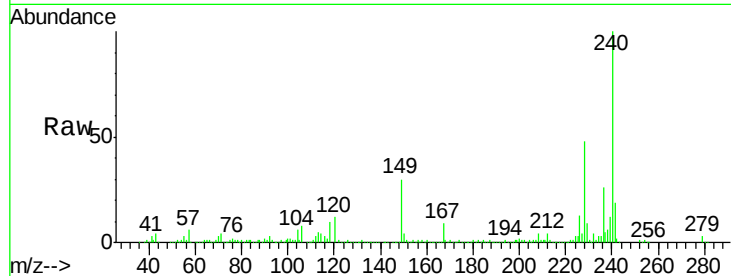
ClientSampleId :

HW-7-4-26-16MSD

Tot Ion:	240	Resp:	338483
Ion Ratio		Lower	Upper
240	100		
120	11.5	11.2	16.8
236	25.8	21.2	31.8

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#77

Pyrene

Concen: 48.71 ng

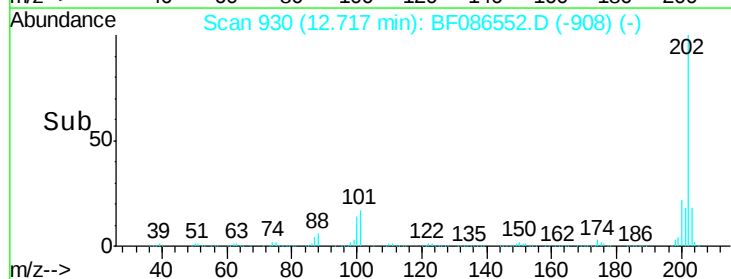
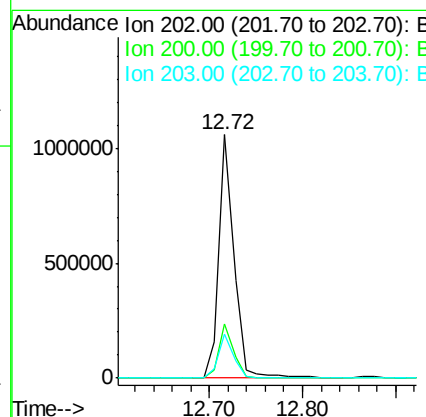
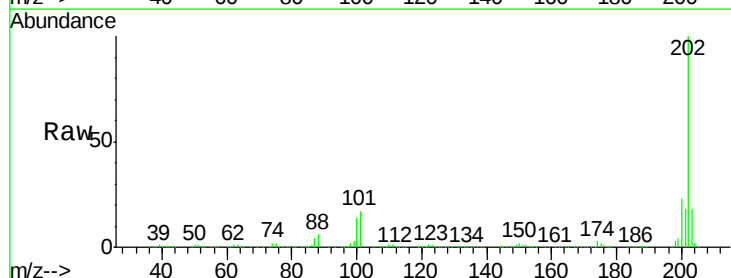
RT: 12.72 min Scan# 930

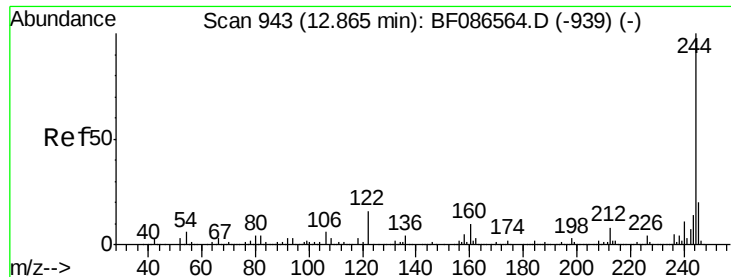
Delta R.T. -0.05 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Tgt Ion:	202	Resp:	1187963
Ion Ratio		Lower	Upper
202	100		
200	22.5	17.7	26.5
203	18.2	14.2	21.4





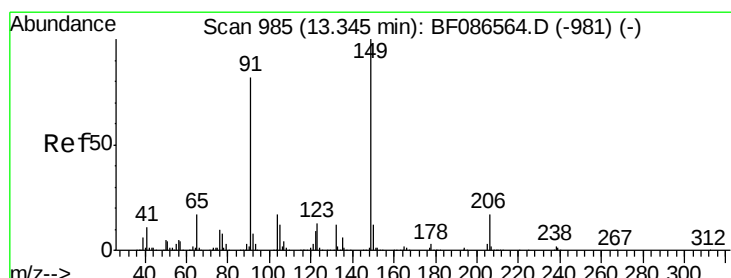
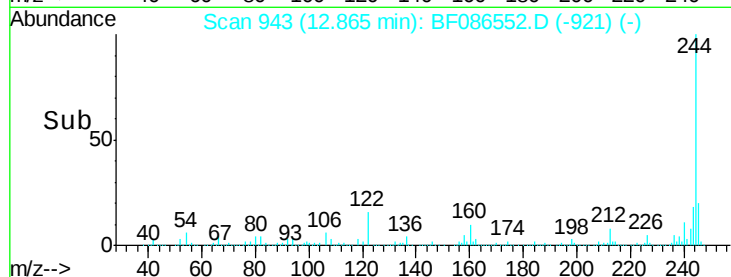
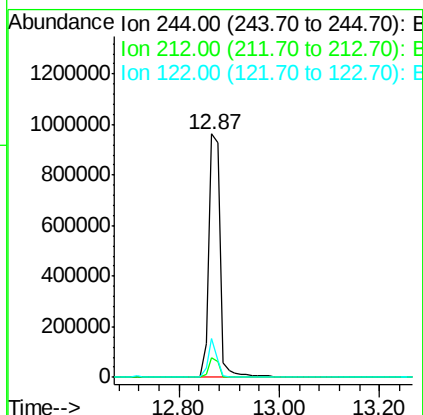
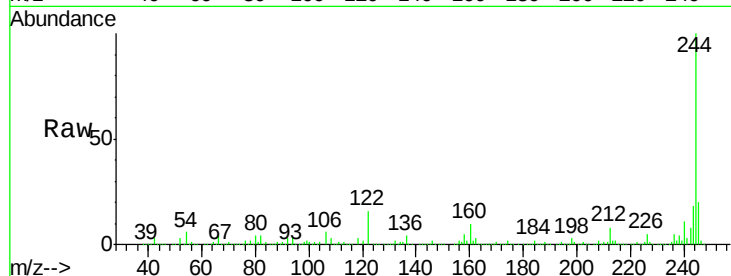
#78
 Terphenyl-d14
 Concen: 98.33 ng
 RT: 12.87 min Scan# 943
 Delta R.T. -0.05 min
 Lab File: BF086552.D
 Acq: 1 May 2016 5:42

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

Tot Ion:244 Resp: 1510660
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.2
 122 15.8 12.0 18.0

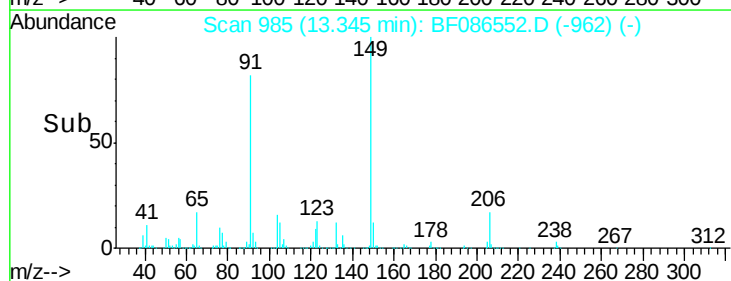
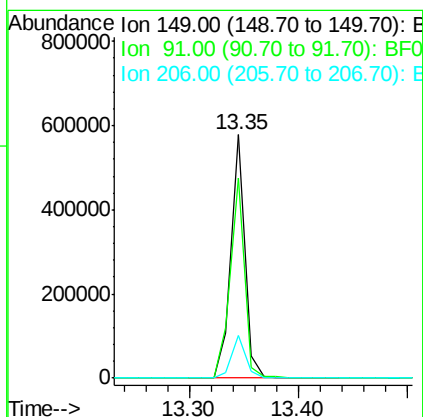
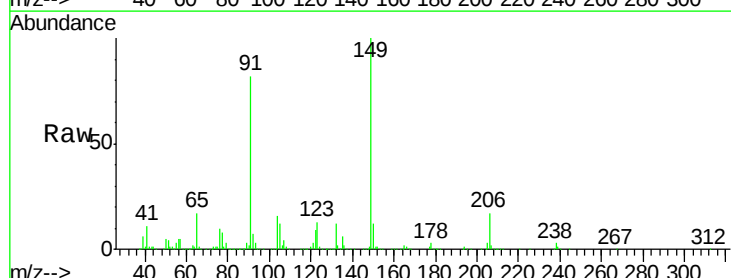
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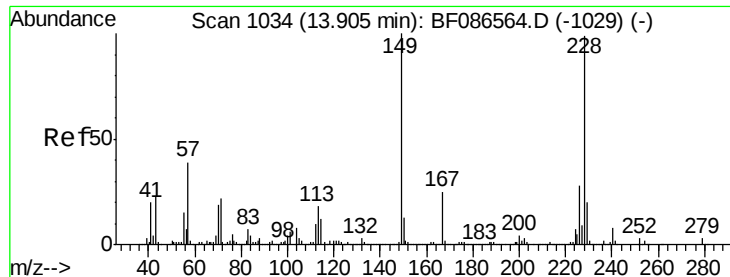
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#79
 Butylbenzylphthalate
 Concen: 48.87 ng
 RT: 13.35 min Scan# 985
 Delta R.T. -0.03 min
 Lab File: BF086552.D
 Acq: 1 May 2016 5:42

Tgt Ion:149 Resp: 516237
 Ion Ratio Lower Upper
 149 100
 91 81.9 48.0 72.0#
 206 17.5 15.8 23.6





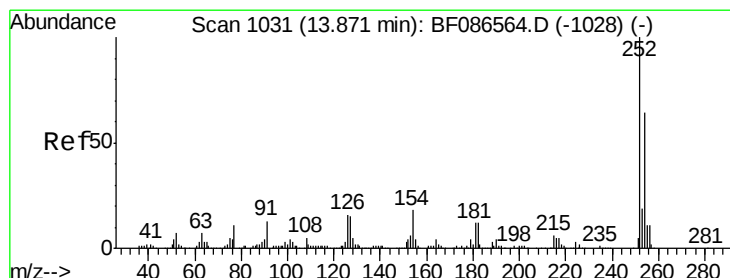
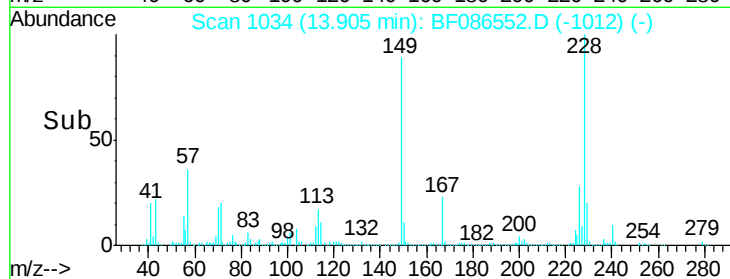
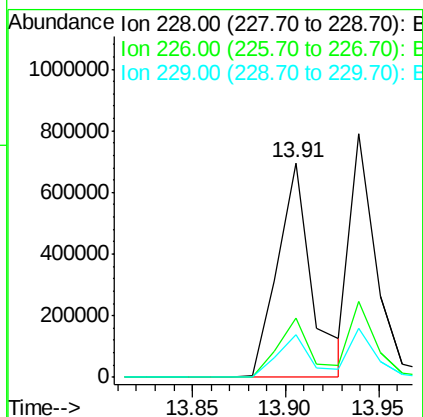
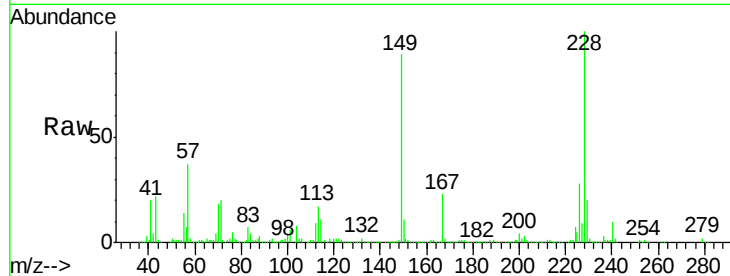
#80
Benzo(a)anthracene
Concen: 49.46 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.5	33.7
229	20.0	16.6	25.0

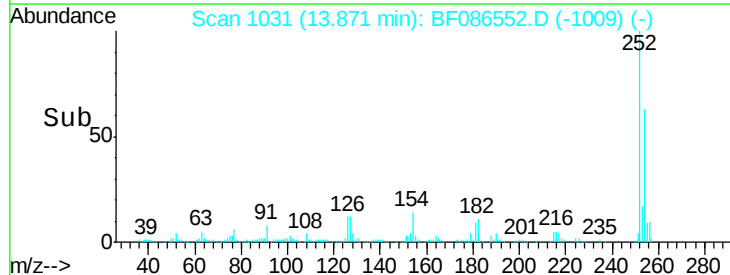
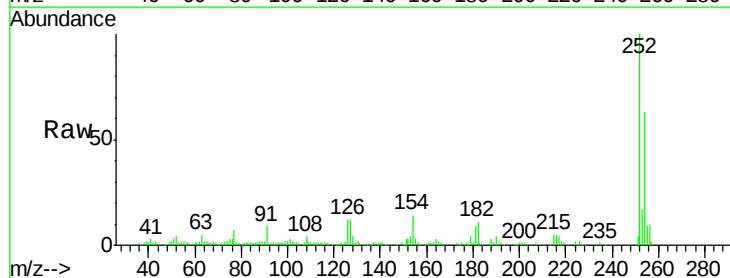
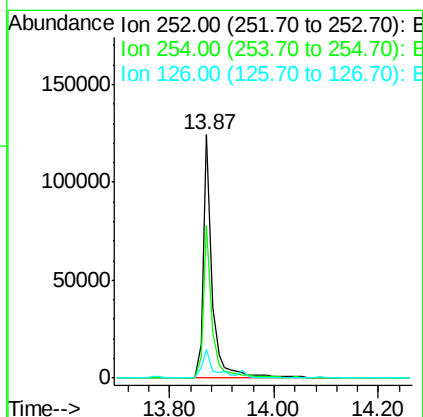
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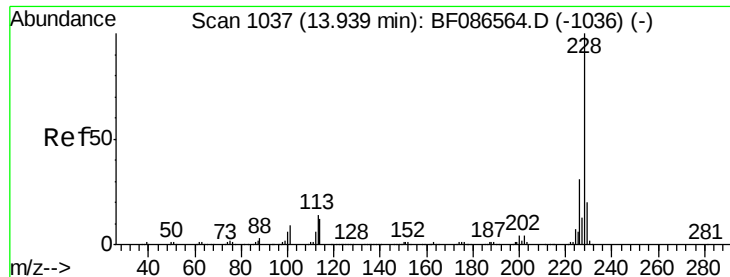
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#81
3,3'-Dichlorobenzidine
Concen: 12.35 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.9	50.7	76.1
126	11.9	12.7	19.1#





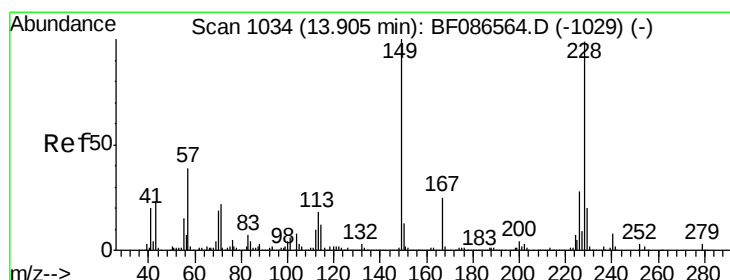
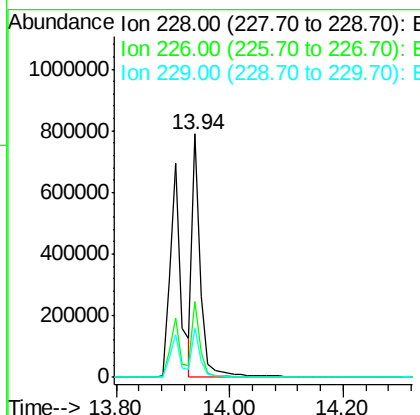
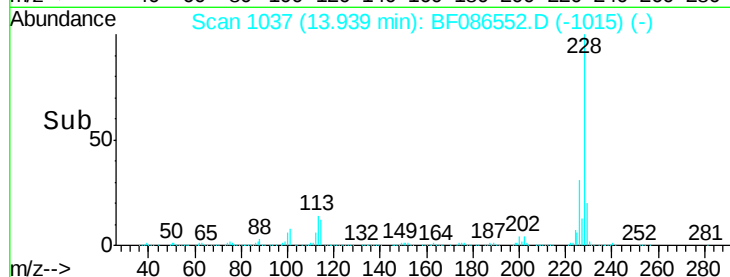
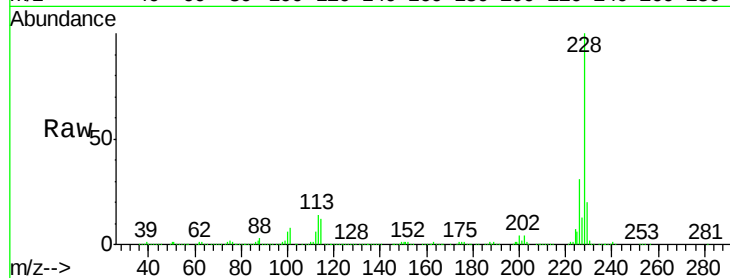
#82
Chrysene
Concen: 41.83 ng
RT: 13.94 min Scan# 1037
Delta R.T. -0.05 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.4	36.6
229	20.0	15.8	23.8

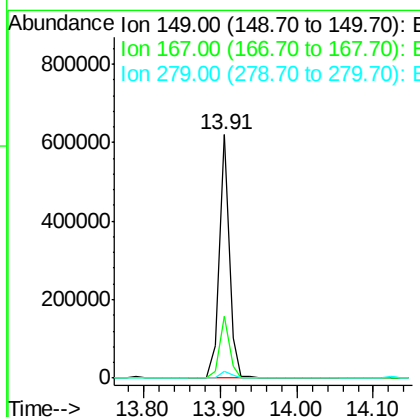
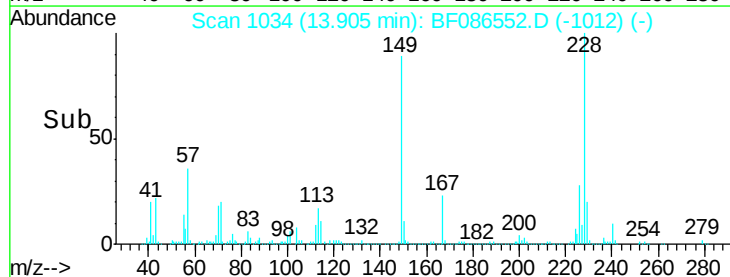
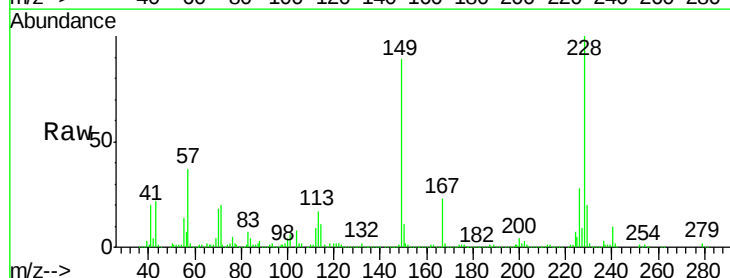
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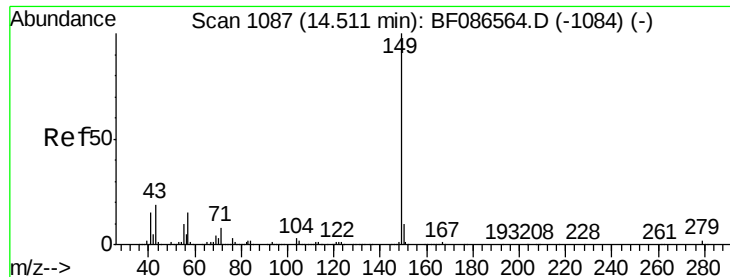
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#83
Bis(2-ethylhexyl)phthalate
Concen: 42.61 ng
RT: 13.91 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.4	21.8	32.6
279	2.7	2.6	4.0





#84

Di-n-octyl phthalate

Concen: 44.35 ng

RT: 14.51 min Scan# 1087

Delta R.T. -0.05 min

Lab File: BF086552.D

Acq: 1 May 2016 5:42

Instrument :

BNA_F

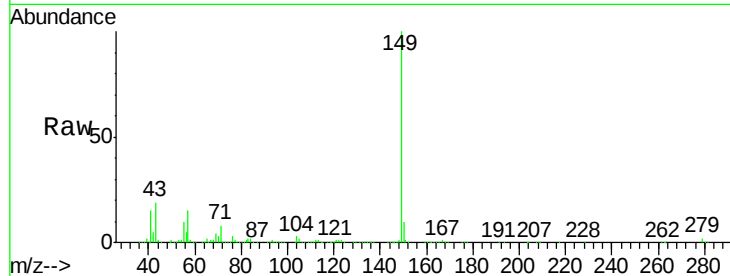
ClientSampleId :

HW-7-4-26-16MSD

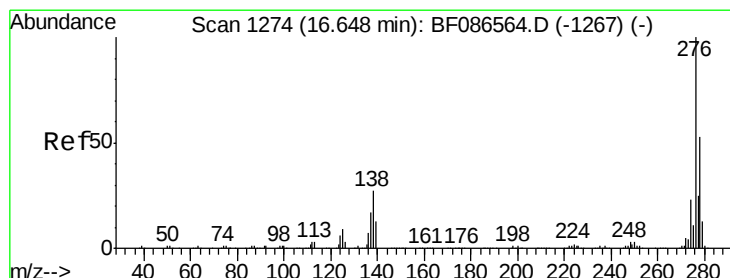
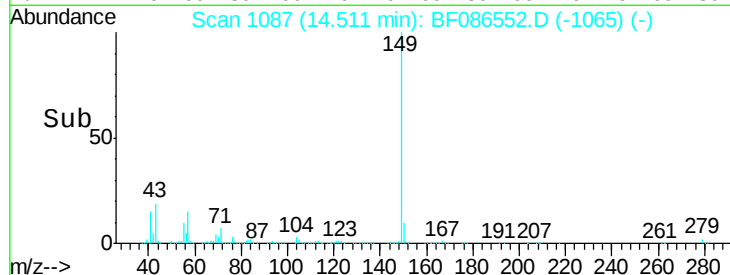
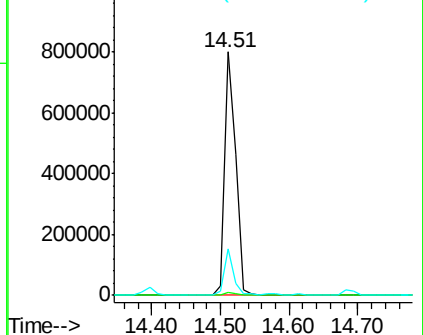
Tot Ion:	149	Resp:	910645
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.2	1.8
43	15.3	8.2	12.4

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 64.39 ng

RT: 16.65 min Scan# 1274

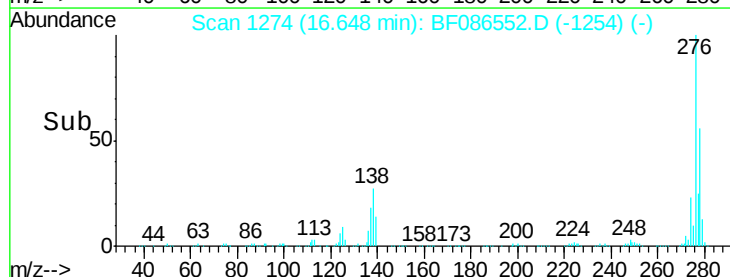
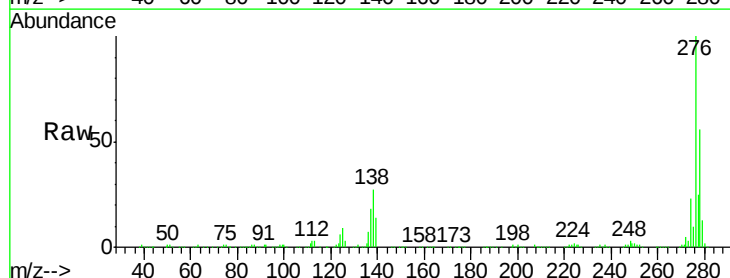
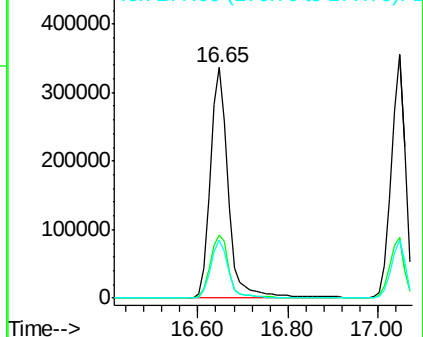
Delta R.T. -0.07 min

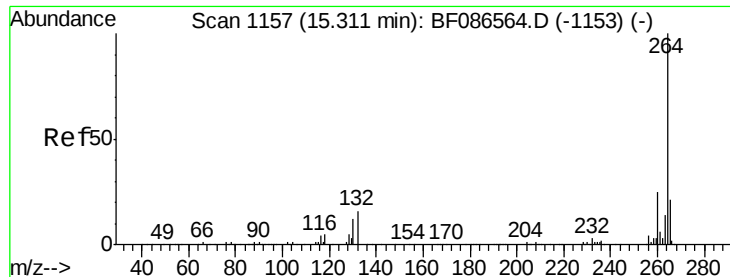
Lab File: BF086552.D

Acq: 1 May 2016 5:42

Tgt Ion:	276	Resp:	935849
Ion Ratio	Lower	Upper	
276	100		
138	29.2	25.6	38.4
277	25.4	20.5	30.7

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





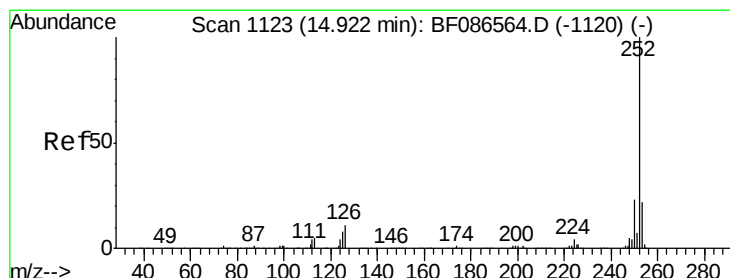
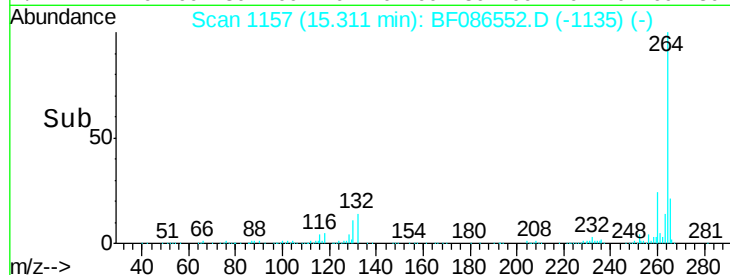
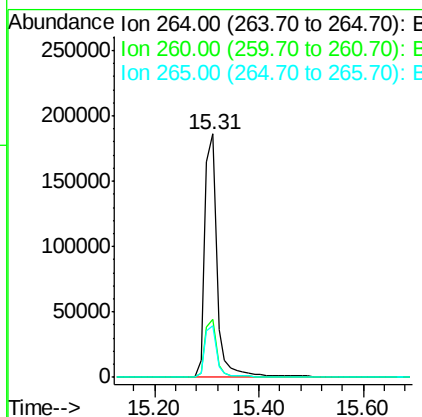
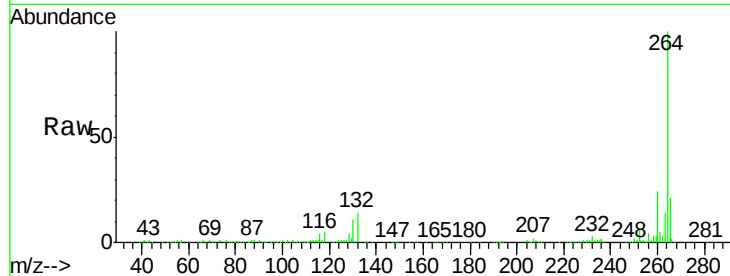
#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.31 min Scan# 1157
 Delta R.T. -0.05 min
 Lab File: BF086552.D
 Acq: 1 May 2016 5:42

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.4	17.3	25.9

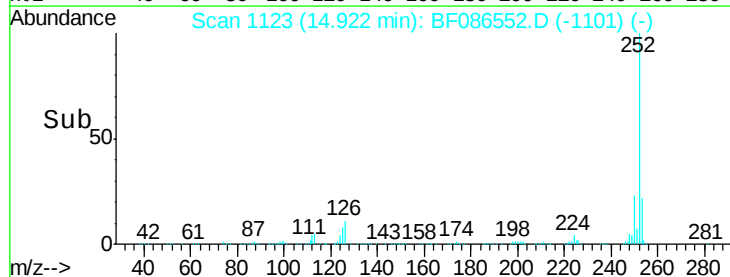
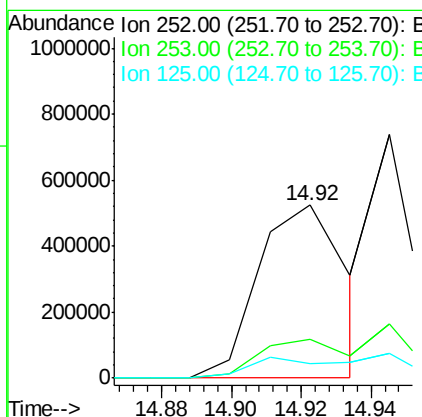
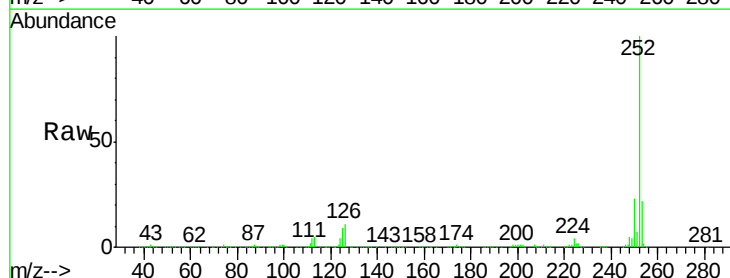
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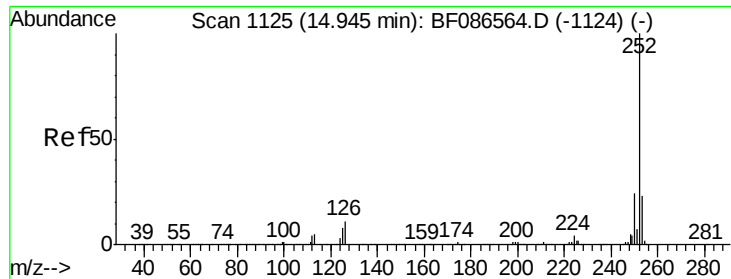
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#87
 Benzo(b)fluoranthene
 Concen: 50.54 ng m
 RT: 14.92 min Scan# 1123
 Delta R.T. -0.05 min
 Lab File: BF086552.D
 Acq: 1 May 2016 5:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	8.6	11.4	17.0





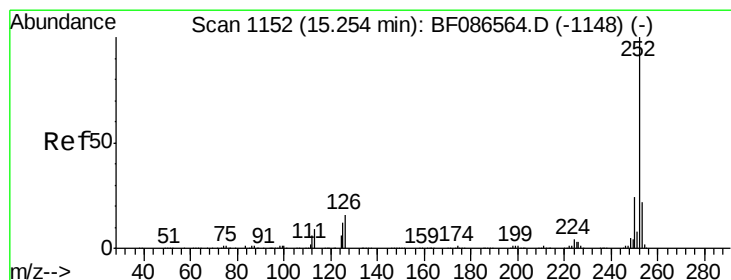
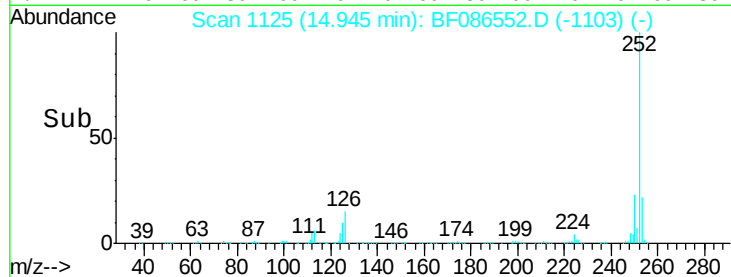
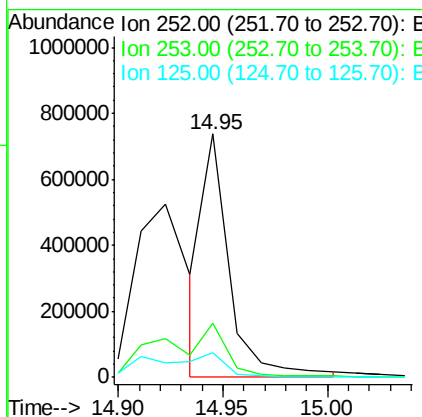
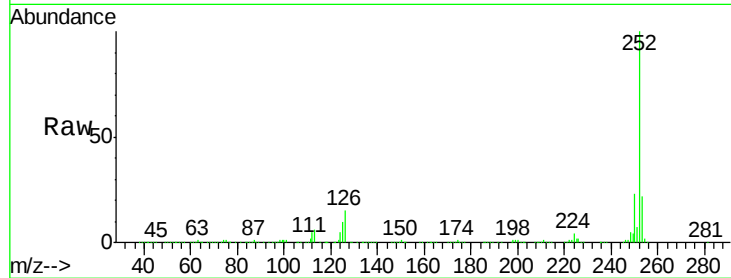
#88
Benzo(k)fluoranthene
Concen: 35.48 ng m
RT: 14.95 min Scan# 1125
Delta R.T. -0.05 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

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

Tot Ion:	252	Resp:	671639
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.8	26.6
125	10.0	9.1	13.7

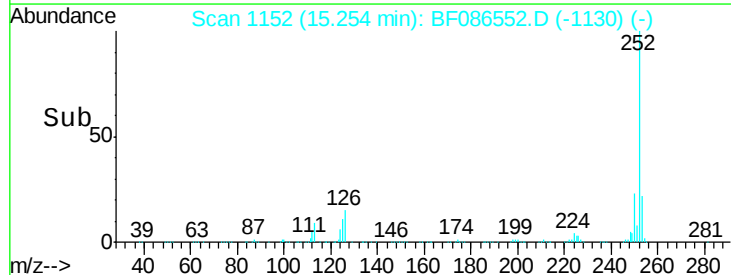
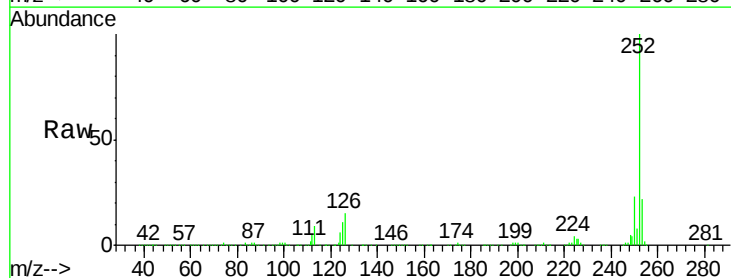
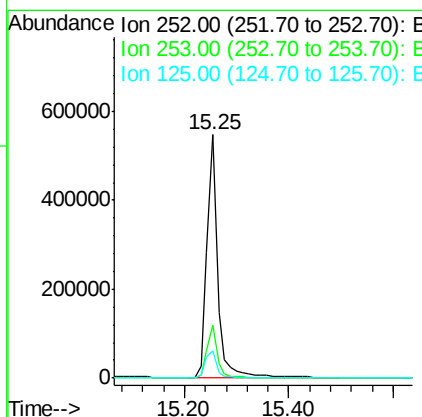
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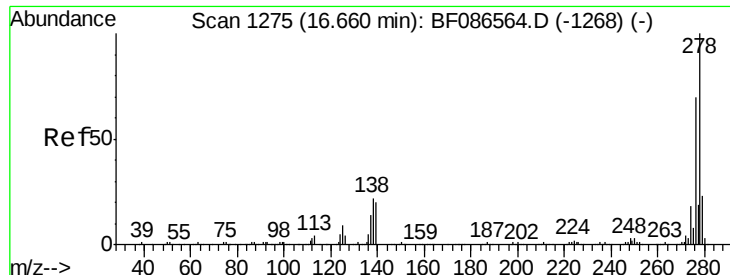
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#89
Benzo(a)pyrene
Concen: 44.92 ng
RT: 15.25 min Scan# 1152
Delta R.T. -0.05 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

Tgt Ion:	252	Resp:	769676
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.2	25.8
125	11.3	9.0	13.6





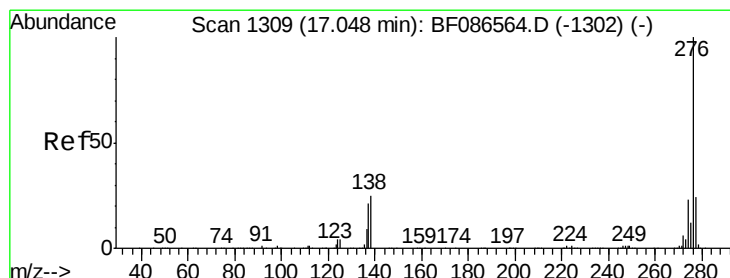
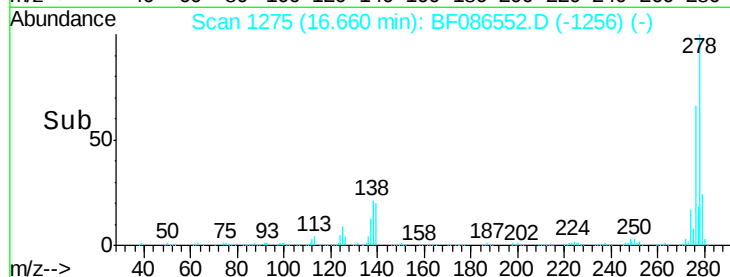
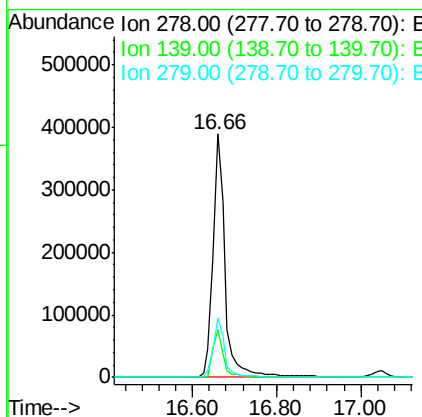
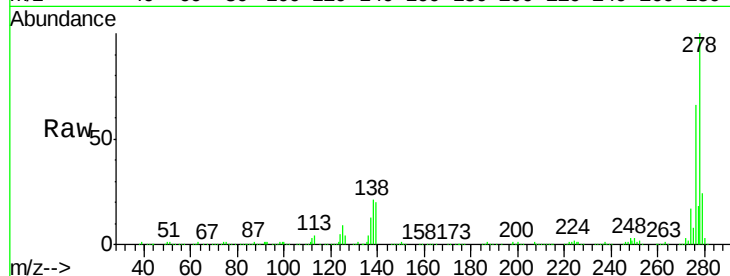
#90
Dibenzo(a,h)anthracene
Concen: 55.65 ng
RT: 16.66 min Scan# 1275
Delta R.T. -0.08 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.6	16.6	24.8
279	24.1	19.6	29.4

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#91
Benzo(g,h,i)perylene
Concen: 57.91 ng
RT: 17.05 min Scan# 1309
Delta R.T. -0.08 min
Lab File: BF086552.D
Acq: 1 May 2016 5:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.6	29.4
138	24.7	23.6	35.4

