

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
 Data File : BF087112.D
 Acq On : 17 May 2016 20:01
 Operator : UM/SJ
 Sample : H2945-01MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

Manual Integrations
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 5/18/2016 6:57:50 PM

Quant Time: May 18 11:47:17 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	161035	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	680074	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	332776	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	603663	20.00	ng	-0.01
75) Chrysene-d12	13.75	240	418862	20.00	ng	-0.01
86) Perylene-d12	15.10	264	382454	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	1348340	140.74	ng	0.01
7) Phenol-d6	6.27	99	1588040	123.59	ng	-0.01
23) Nitrobenzene-d5	7.16	82	1286809	94.30	ng	-0.02
41) 2,4,6-Tribromophenol	10.43	330	573191	155.87	ng	-0.01
44) 2-Fluorobiphenyl	8.97	172	2009424	100.00	ng	-0.01
78) Terphenyl-d14	12.70	244	1674672	90.44	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.26	88	169500	34.39	ng	# 67
3) Pyridine	2.89	79	248995m	20.89	ng	
4) n-Nitrosodimethylamine	2.80	42	366200	43.35	ng	# 53
6) Aniline	6.27	93	110293	6.76	ng	# 1
8) 2-Chlorophenol	6.39	128	507383	43.53	ng	87
9) Benzaldehyde	6.15	77	30598	3.27	ng	92
10) Phenol	6.28	94	674789	41.77	ng	80
11) bis(2-Chloroethyl)ether	6.34	93	515158	42.47	ng	85
12) 1,3-Dichlorobenzene	6.52	146	419782m	33.88	ng	
13) 1,4-Dichlorobenzene	6.60	146	429957m	33.91	ng	
14) 1,2-Dichlorobenzene	6.76	146	396476	35.72	ng	98
15) Benzyl Alcohol	6.76	79	491450	51.38	ng	93
16) 2,2'-oxybis(1-Chloropropan	6.88	45	1015391	40.72	ng	86
17) 2-Methylphenol	6.89	107	431491	45.07	ng	# 81
18) Hexachloroethane	7.10	117	161792	33.38	ng	97
19) n-Nitroso-di-n-propylamine	7.03	70	404171	41.38	ng	# 68
20) 3+4-Methylphenols	7.05	107	578890	45.84	ng	# 59
22) Acetophenone	7.02	105	746313	44.84	ng	98
24) Nitrobenzene	7.19	77	588009	39.47	ng	99
25) Isophorone	7.43	82	1109276	44.41	ng	99
26) 2-Nitrophenol	7.51	139	287557	46.59	ng	# 82
27) 2,4-Dimethylphenol	7.56	122	469655	44.59	ng	89
28) bis(2-Chloroethoxy)methane	7.64	93	643378	46.92	ng	98
29) 2,4-Dichlorophenol	7.76	162	449499	48.43	ng	95
30) 1,2,4-Trichlorobenzene	7.83	180	411486	39.95	ng	97
31) Naphthalene	7.91	128	1429481	43.02	ng	100
32) Benzoic acid	7.74	122	294327	46.88	ng	# 82
33) 4-Chloroaniline	7.98	127	77804	5.63	ng	# 92
34) Hexachlorobutadiene	8.02	225	222965	38.15	ng	97
35) Caprolactam	8.36	113	117935m	38.16	ng	
36) 4-Chloro-3-methylphenol	8.48	107	495874	44.29	ng	89
37) 2-Methylnaphthalene	8.59	142	918206m	43.20	ng	
39) 1,2,4,5-Tetrachlorobenzene	8.76	216	414973	42.69	ng	99
40) Hexachlorocyclopentadiene	8.74	237	256460	69.47	ng	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.89	196	298131	47.30	nq	95
43) 2,4,5-Trichlorophenol	8.95	196	267825	40.90	nq	95
45) 1,1'-Biphenyl	9.06	154	1148654	41.63	nq	96
46) 2-Chloronaphthalene	9.08	162	886135	41.83	nq	95
47) 2-Nitroaniline	9.20	65	385015	47.43	nq #	79
48) Acenaphthylene	9.50	152	1344248	41.56	nq	99
49) Dimethylphthalate	9.38	163	1166696	45.96	nq	100
50) 2,6-Dinitrotoluene	9.44	165	239801	43.50	nq #	65
51) Acenaphthene	9.67	154	867816	42.94	nq	99
52) 3-Nitroaniline	9.61	138	98450	16.50	nq #	85
53) 2,4-Dinitrophenol	9.72	184	278974	87.84	nq #	74
54) Dibenzofuran	9.84	168	1178875	45.11	nq	93
55) 4-Nitrophenol	9.82	139	404005m	86.53	nq	
56) 2,4-Dinitrotoluene	9.85	165	344087	48.74	nq	94
57) Fluorene	10.18	166	924036	44.01	nq	98
58) 2,3,4,6-Tetrachlorophenol	9.98	232	249211	48.87	nq	98
59) Diethylphthalate	10.08	149	1189361	49.08	nq	97
60) 4-Chlorophenyl-phenylether	10.18	204	468882	47.11	nq #	79
61) 4-Nitroaniline	10.23	138	230670	39.15	nq #	69
62) Azobenzene	10.34	77	1325270	47.46	nq	88
64) 4,6-Dinitro-2-methylphenol	10.26	198	194588	48.94	nq #	84
65) n-Nitrosodiphenylamine	10.31	169	949495	49.98	nq	99
66) 4-Bromophenyl-phenylether	10.66	248	277865	44.76	nq	97
67) Hexachlorobenzene	10.73	284	351699	48.87	nq	98
68) Atrazine	10.84	200	289281	46.68	nq	95
69) Pentachlorophenol	10.94	266	322388	119.24	nq	97
70) Phenanthrene	11.14	178	1595894	48.74	nq	100
71) Anthracene	11.19	178	1319842	39.86	nq	100
72) Carbazole	11.36	167	1375430	45.47	nq	98
73) Di-n-butylphthalate	11.69	149	1766229	50.83	nq	99
74) Fluoranthene	12.32	202	1529138	46.62	nq	96
76) Benzidine	12.46	184	37335	3.31	nq	96
77) Pyrene	12.55	202	1599373	52.86	nq	100
79) Butylbenzylphthalate	13.18	149	722966	56.60	nq #	86
80) Benzo(a)anthracene	13.73	228	1155114	47.69	nq	99
81) 3,3'-Dichlorobenzidine	13.70	252	185128	12.01	nq #	97
82) Chrysene	13.77	228	1267350	54.09	nq	99
83) Bis(2-ethylhexyl)phthalate	13.74	149	873166	56.16	nq	98
84) Di-n-octyl phthalate	14.34	149	1464092	54.67	nq #	84
85) Indeno(1,2,3-cd)pyrene	16.34	276	1001505	48.69	nq	95
87) Benzo(b)fluoranthene	14.73	252	1078261m	42.50	nq	
88) Benzo(k)fluoranthene	14.75	252	1007120m	53.32	nq	
89) Benzo(a)pyrene	15.05	252	1022660	48.22	nq #	96
90) Dibenzo(a,h)anthracene	16.35	278	845282	47.34	nq #	94
91) Benzo(g,h,i)perylene	16.71	276	849242	47.09	nq	95

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

```

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Misc      :
ALS Vial  : 17      Sample Multiplier: 1

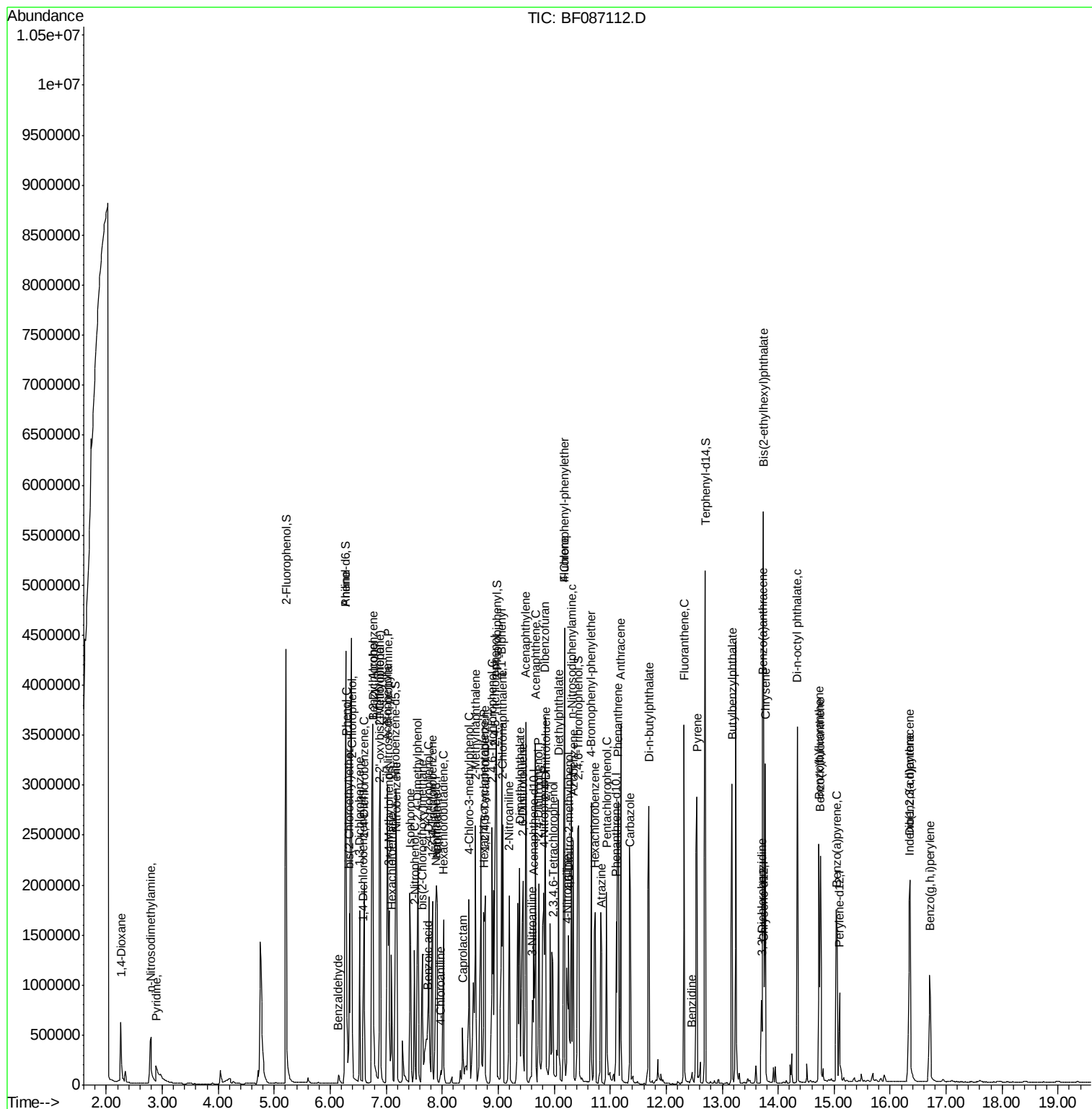
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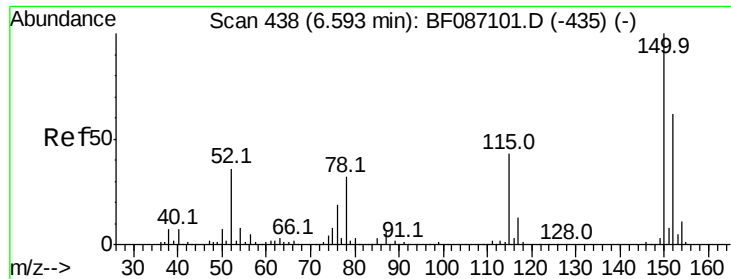
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

Tot Ion:152 Resp: 161035

Ion Ratio Lower Upper

152 100

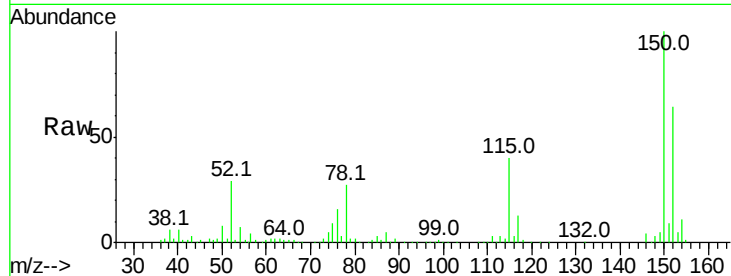
150 155.2 125.8 188.6

115 61.8 51.5 77.3

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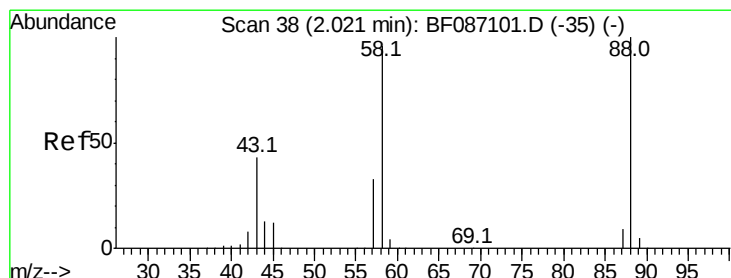
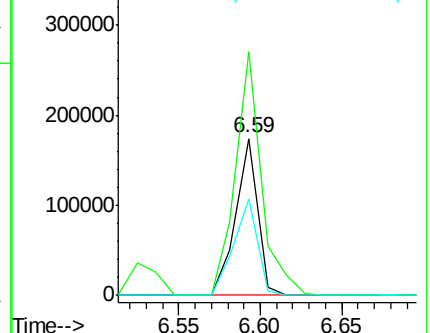
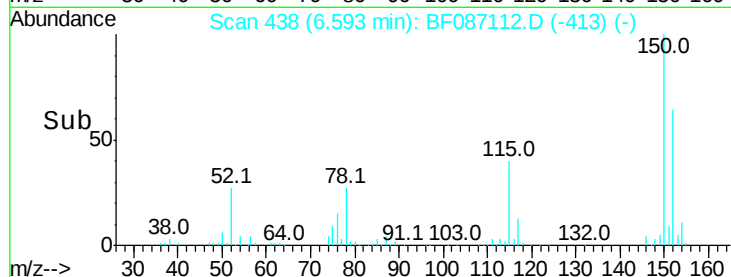
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 34.39 ng

RT: 2.26 min Scan# 59

Delta R.T. 0.21 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

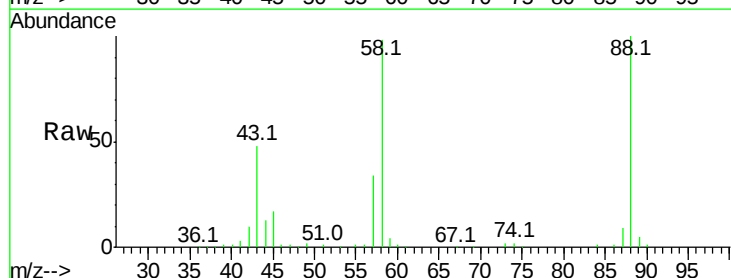
Tgt Ion: 88 Resp: 169500

Ion Ratio Lower Upper

88 100

58 96.0 59.6 89.4#

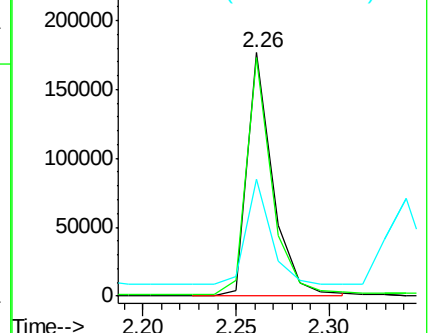
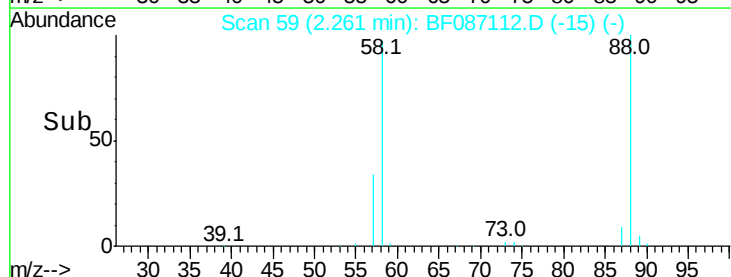
43 0.0 21.8 32.6#

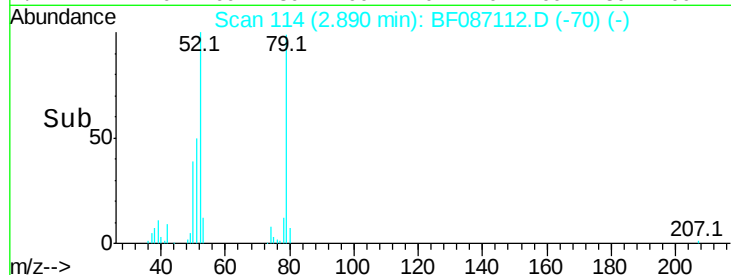
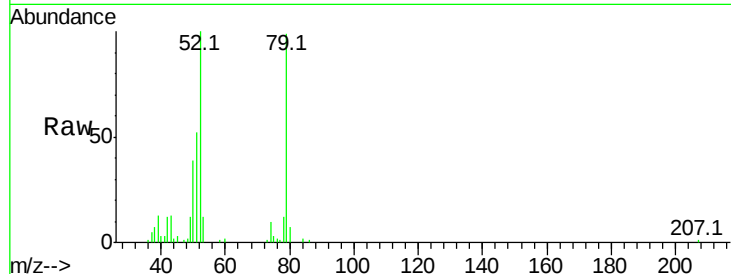
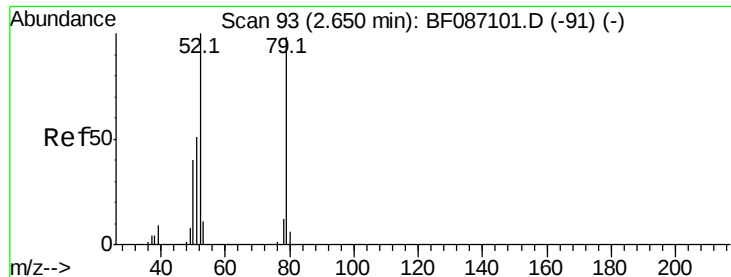


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





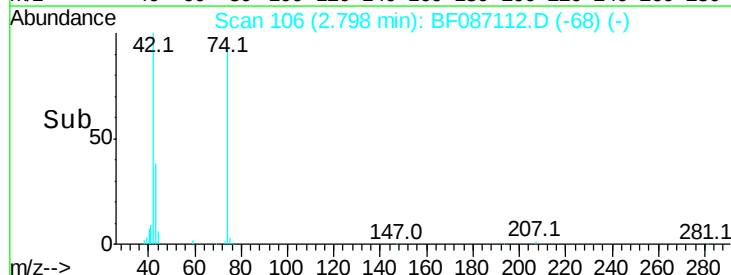
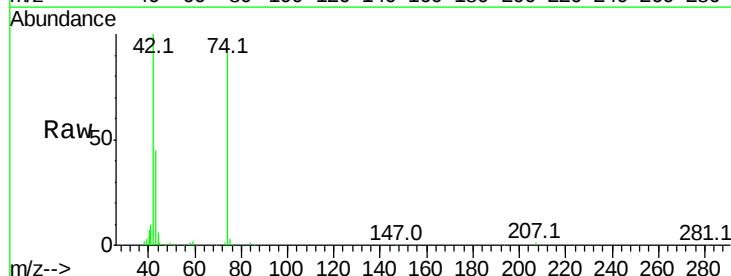
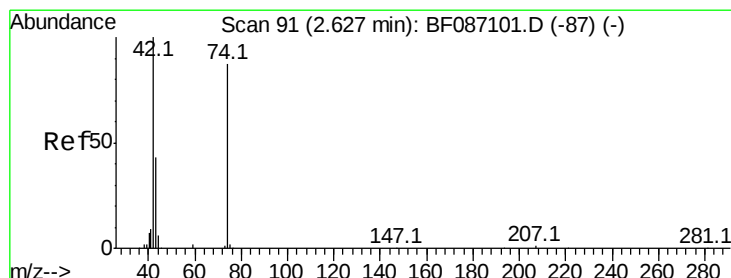
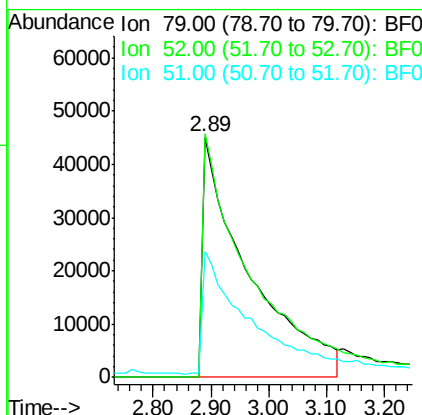
#3
Pvridine
Concen: 20.89 ng/ml
RT: 2.89 min Scan# 114
Delta R.T. 0.21 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Tot Ion	Ratio	Lower	Upper
79	100		
52	101.5	55.9	83.9#
51	52.6	28.1	42.1#

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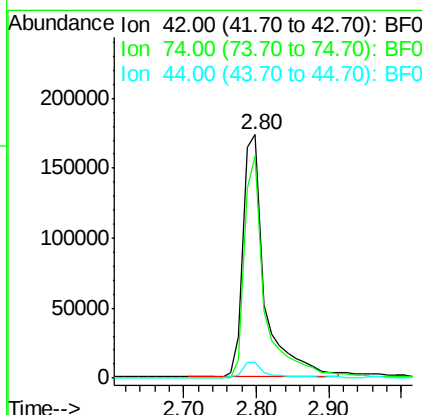
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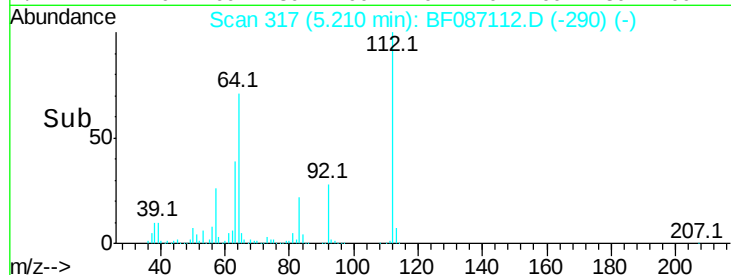
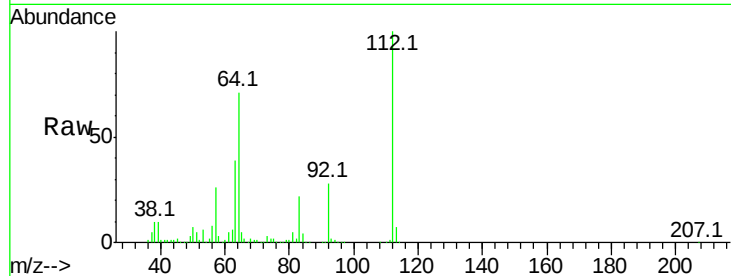
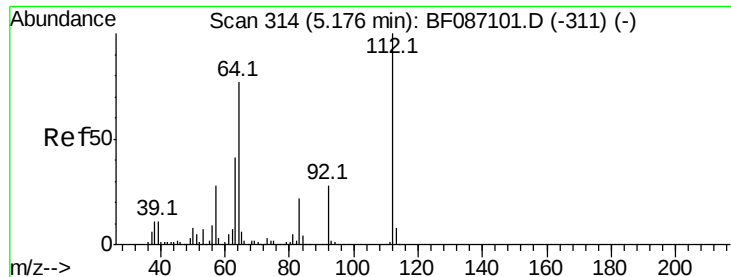
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#4
n-Nitrosodimethylamine
Concen: 43.35 ng/ml
RT: 2.80 min Scan# 106
Delta R.T. 0.14 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Tgt Ion	Ratio	Lower	Upper
42	100		
74	91.4	123.4	185.0#
44	6.5	5.8	8.6





#5

2-Fluorophenol

Concen: 140.74 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.01 min

Lab File: BF087112.D

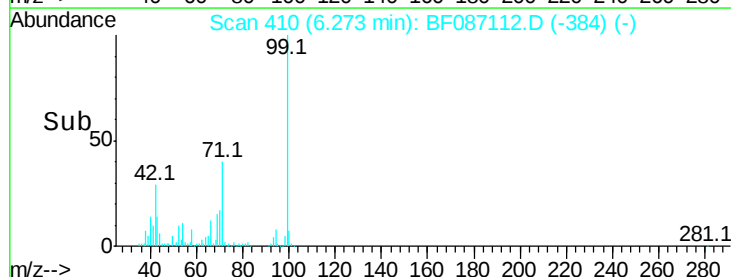
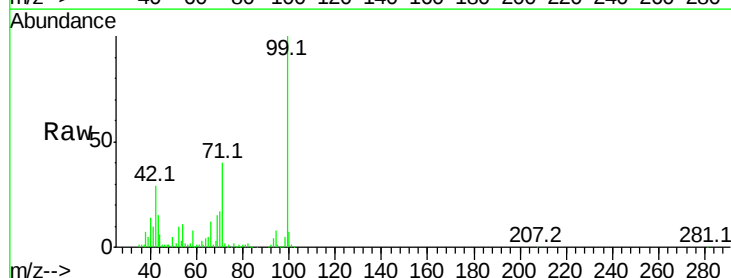
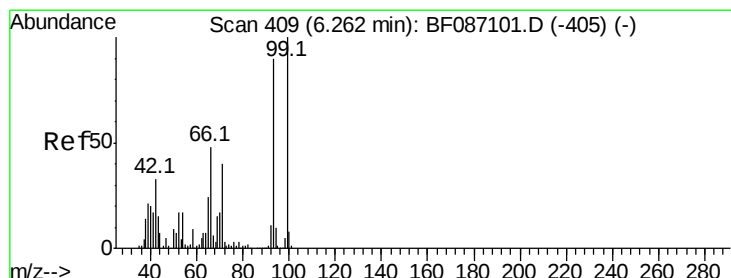
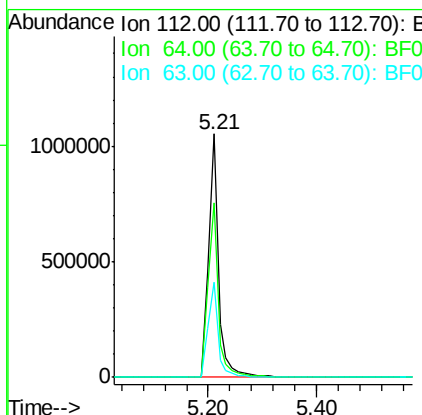
Acq: 17 May 2016 20:01

Tot Ion:	112	Resp:	1348340
Ion Ratio	Lower	Upper	
112	100		
64	71.4	52.1	78.1
63	39.3	25.7	38.5#

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#6

Aniline

Concen: 6.76 ng

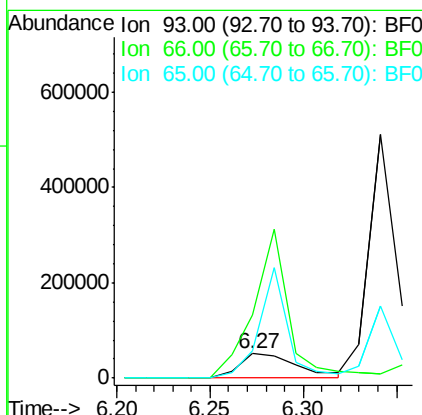
RT: 6.27 min Scan# 410

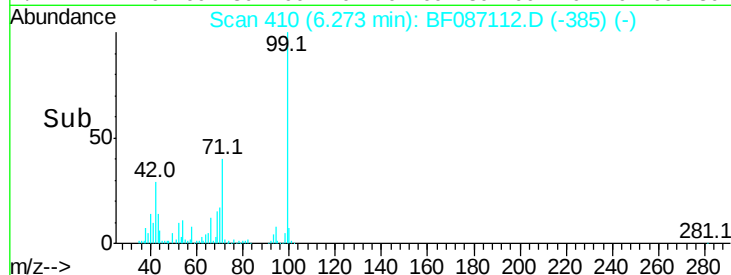
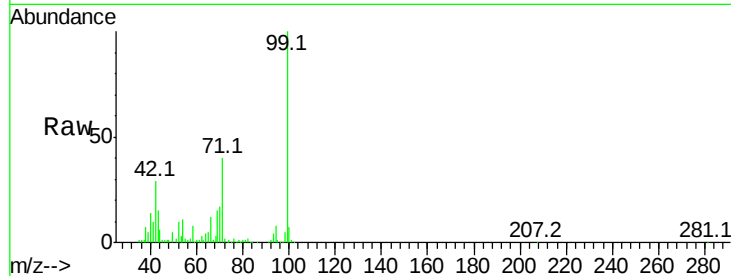
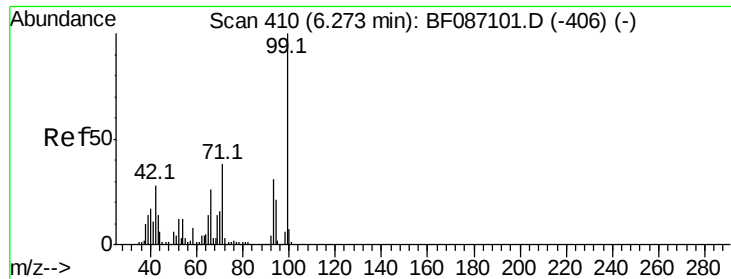
Delta R.T. -0.00 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Tgt Ion:	93	Resp:	110293
Ion Ratio	Lower	Upper	
93	100		
66	263.9	39.0	58.6#
65	114.2	20.6	31.0#





#7

Phenol-d6

Concen: 123.59 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Tot Ion: 99 Resp: 1588040

Ion Ratio Lower Upper

99 100

42 29.2 13.6 20.4#

71 39.6 24.6 36.8#

Instrument :

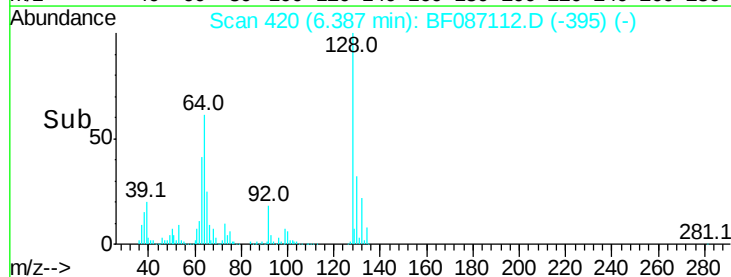
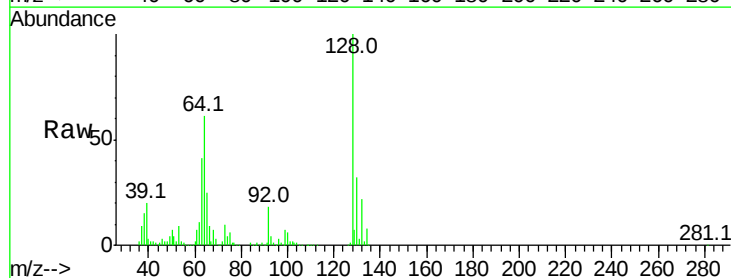
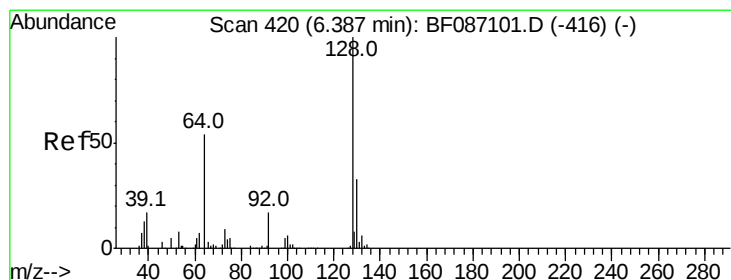
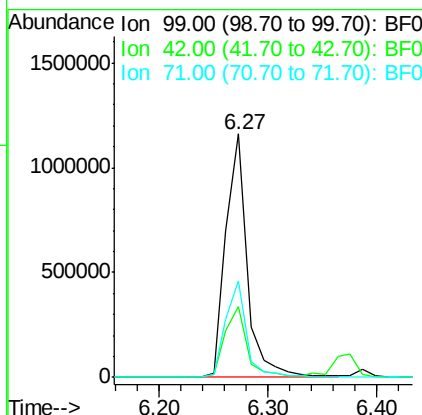
BNA_F

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HSR-WC-43-050616MS

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#8

2-Chlorophenol

Concen: 43.53 ng

RT: 6.39 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

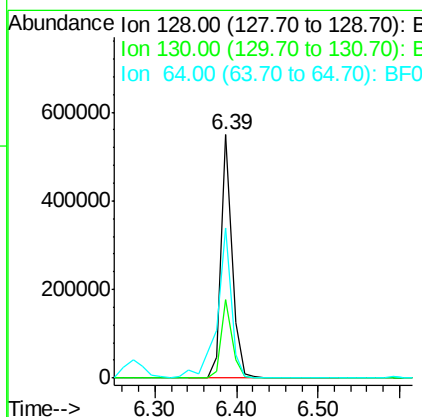
Tgt Ion: 128 Resp: 507383

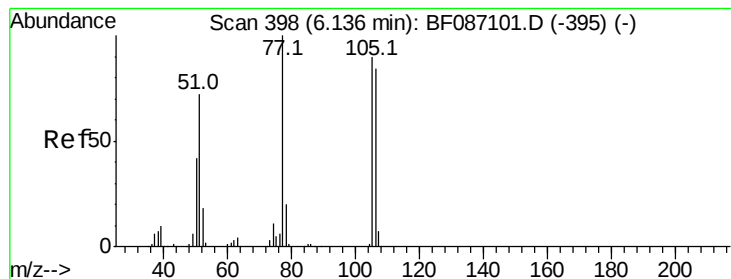
Ion Ratio Lower Upper

128 100

130 32.1 12.5 52.5

64 61.5 27.3 67.3





#9

Benzaldehyde

Concen: 3.27 ng

RT: 6.15 min Scan# 399

Delta R.T. 0.00 min

Lab File: BF087112.D

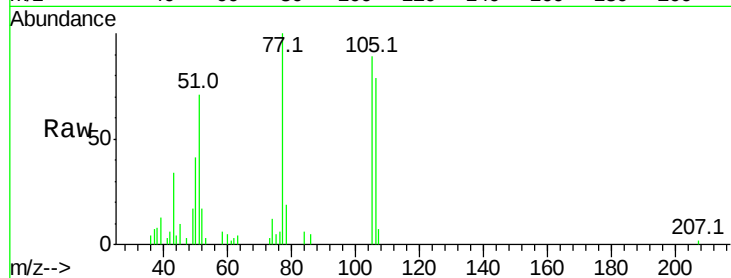
Acq: 17 May 2016 20:01

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS



Tot Ion: 77 Resp: 30598

Ion Ratio Lower Upper

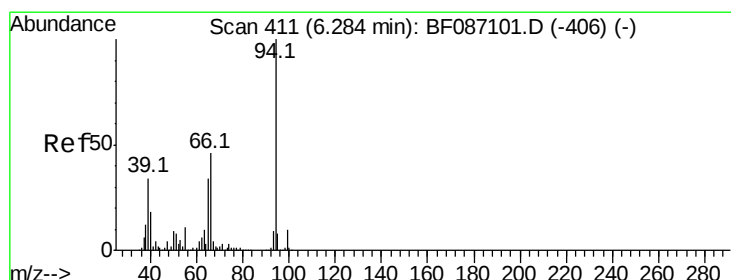
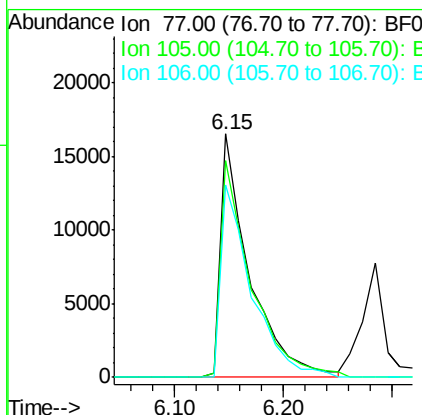
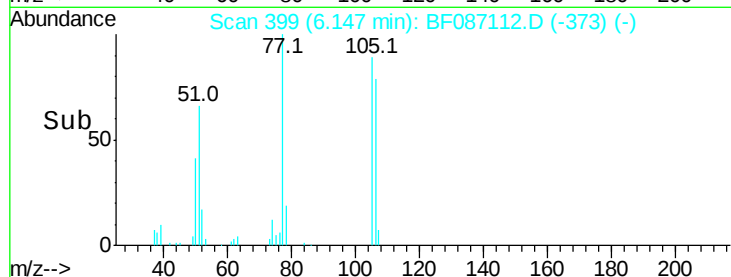
77 100

105 89.2 72.7 112.7

106 79.0 70.8 110.8

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#10

Phenol

Concen: 41.77 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

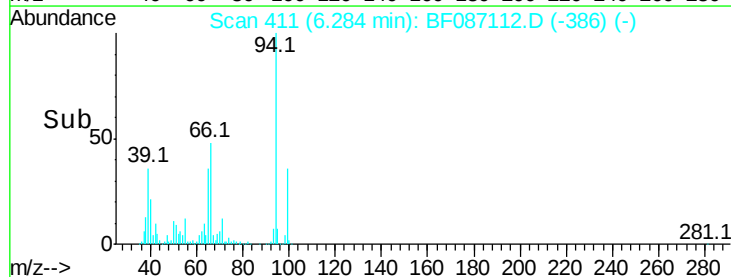
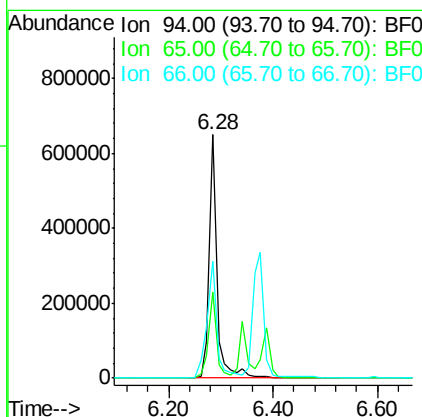
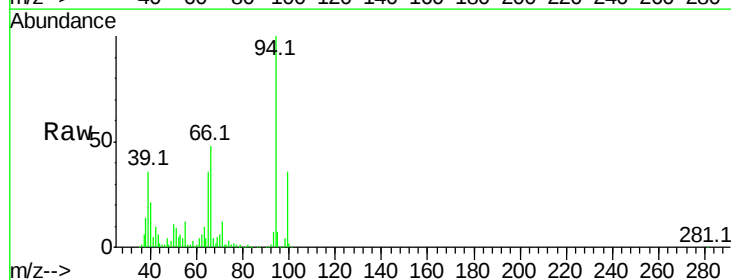
Tgt Ion: 94 Resp: 674789

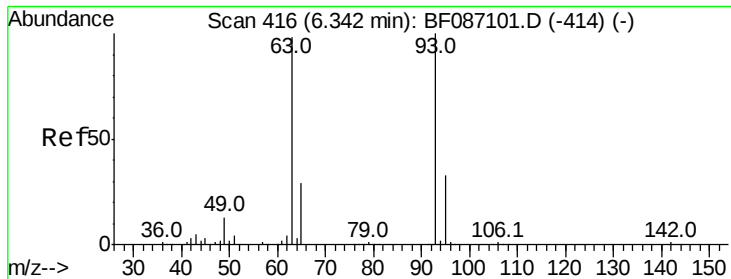
Ion Ratio Lower Upper

94 100

65 35.5 7.2 47.2

66 48.1 14.9 54.9





#11

bis(2-Chloroethyl)ether

Concen: 42.47 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

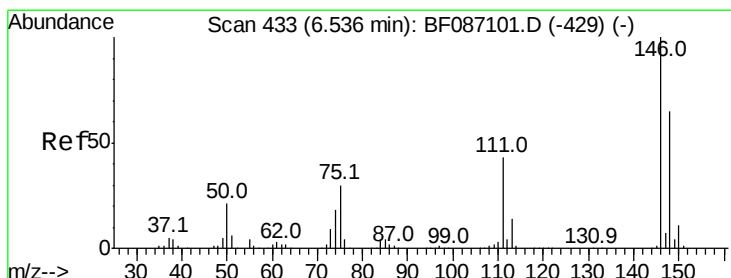
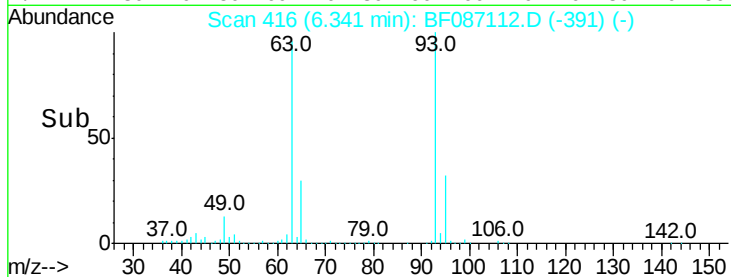
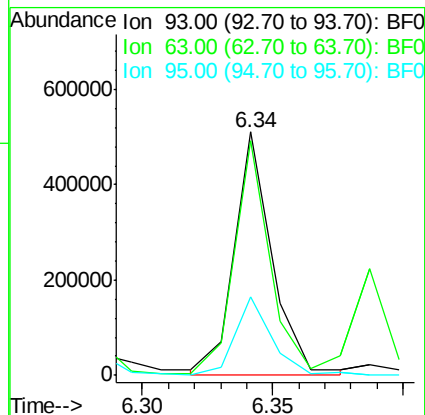
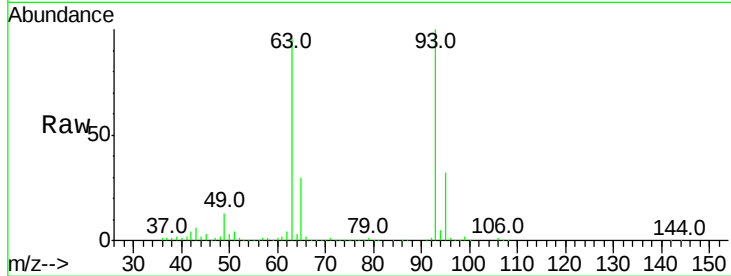
ClientSampleId :

HSR-WC-43-050616MS

Tot Ion:	93	Resp:	515158
Ion Ratio	Lower	Upper	
93	100		
63	96.3	58.0	98.0
95	32.3	11.9	51.9

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#12

1,3-Dichlorobenzene

Concen: 33.88 ng m

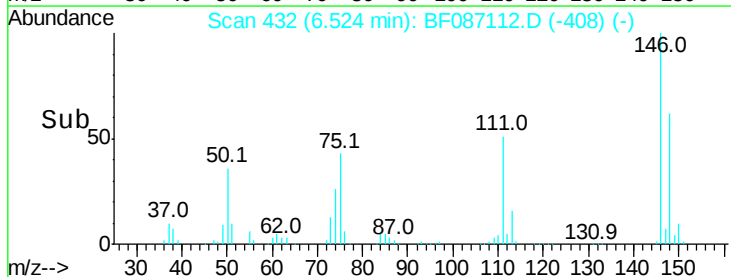
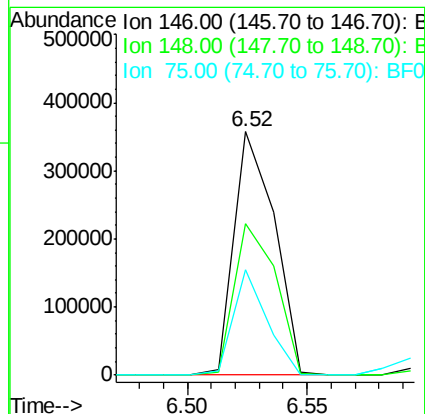
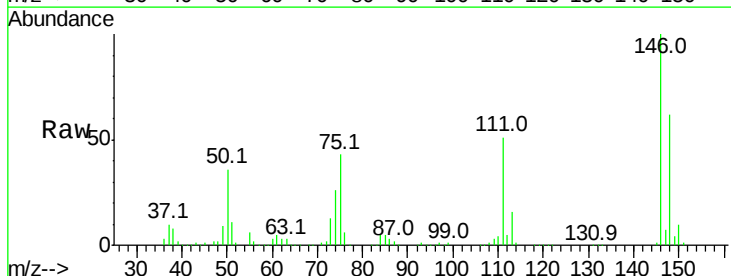
RT: 6.52 min Scan# 432

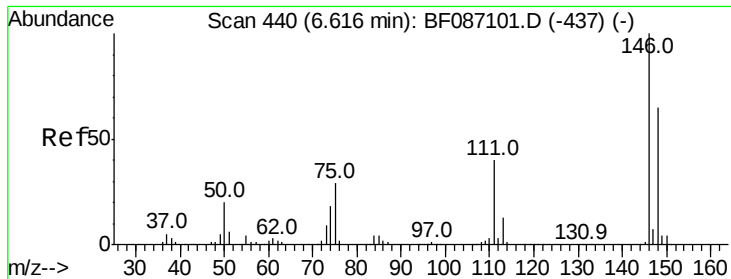
Delta R.T. -0.02 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Tgt Ion:	146	Resp:	419782
Ion Ratio	Lower	Upper	
146	100		
148	62.3	52.4	78.6
75	43.4	22.8	34.2#





#13

1,4-Dichlorobenzene

Concen: 33.91 ng/mL

RT: 6.60 min Scan# 439

Delta R.T. -0.02 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

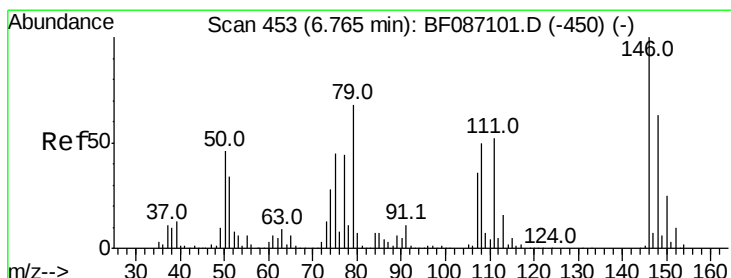
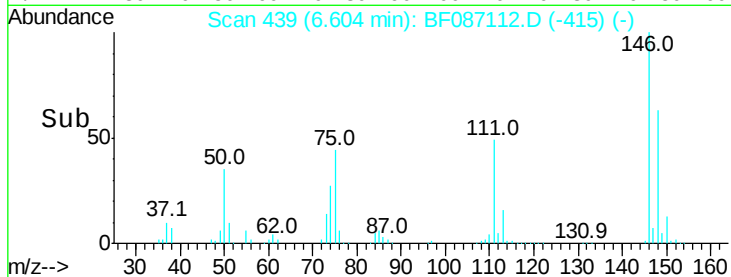
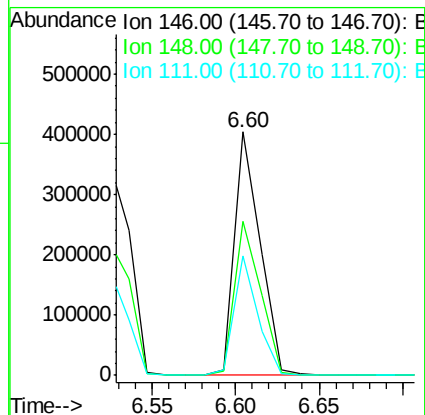
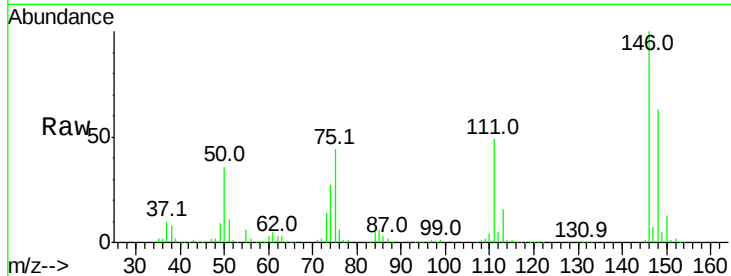
ClientSampleId :

HSR-WC-43-050616MS

Tot Ion:	146	Resp:	429957
Ion Ratio	Lower	Upper	
146	100		
148	63.3	52.2	78.4
111	49.2	30.7	46.1

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#14

1,2-Dichlorobenzene

Concen: 35.72 ng/mL

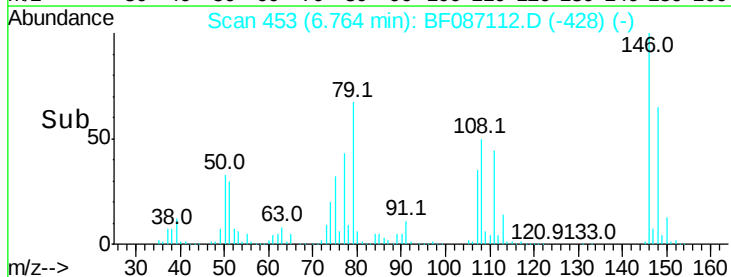
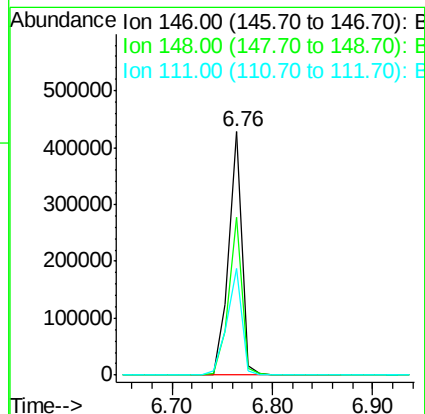
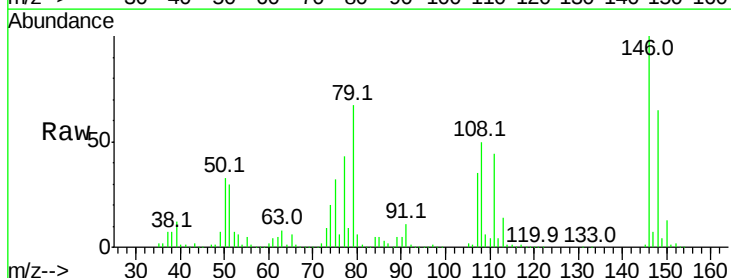
RT: 6.76 min Scan# 453

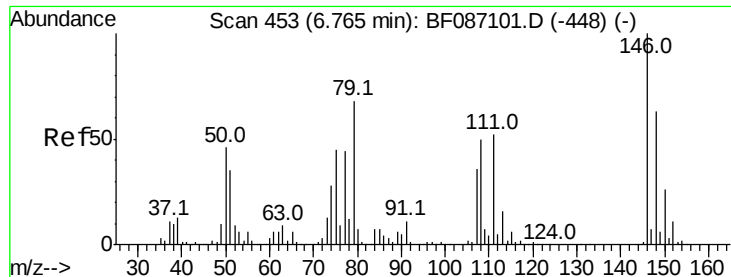
Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Tgt Ion:	146	Resp:	396476
Ion Ratio	Lower	Upper	
146	100		
148	64.8	51.0	76.6
111	43.6	36.2	54.4





#15

Benzyl Alcohol

Concen: 51.38 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

Tot Ion: 79 Resp: 491450

Ion Ratio Lower Upper

79 100

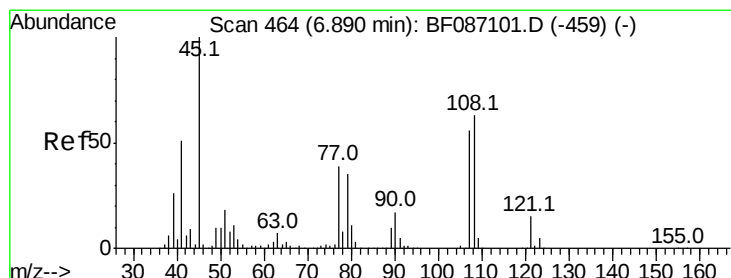
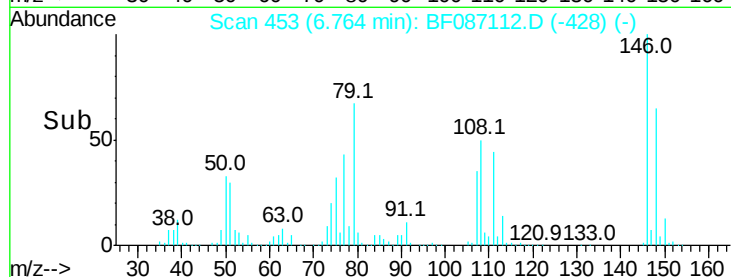
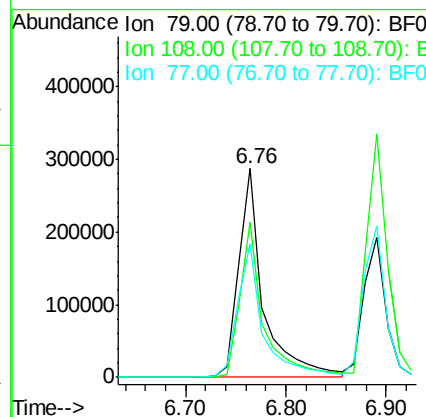
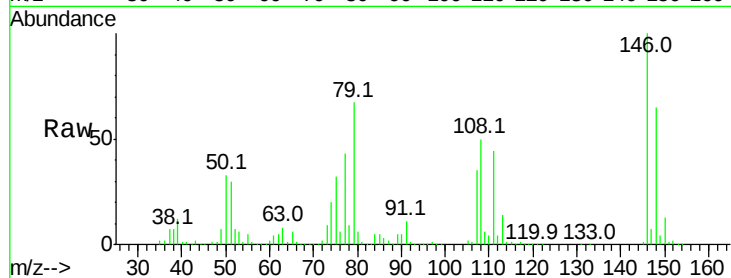
108 74.4 68.4 102.6

77 63.7 50.6 76.0

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.72 ng

RT: 6.88 min Scan# 463

Delta R.T. -0.02 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

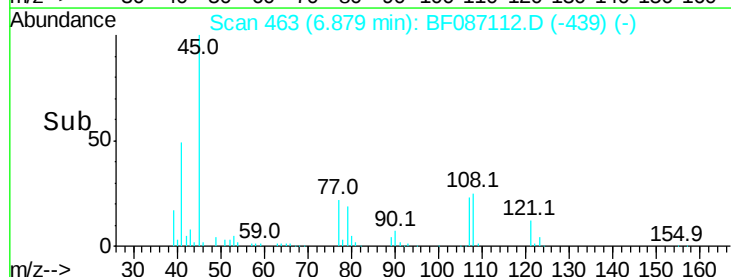
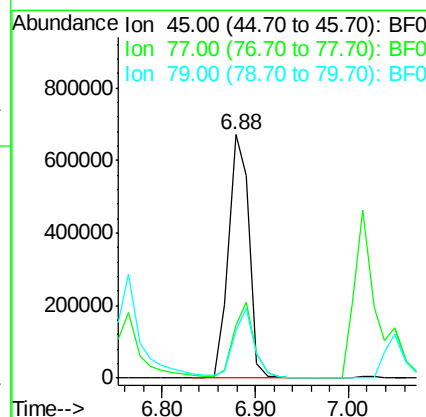
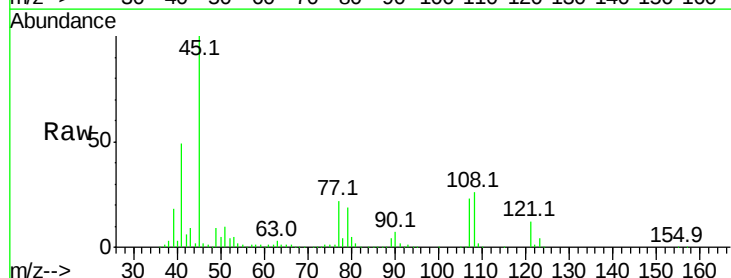
Tgt Ion: 45 Resp: 1015391

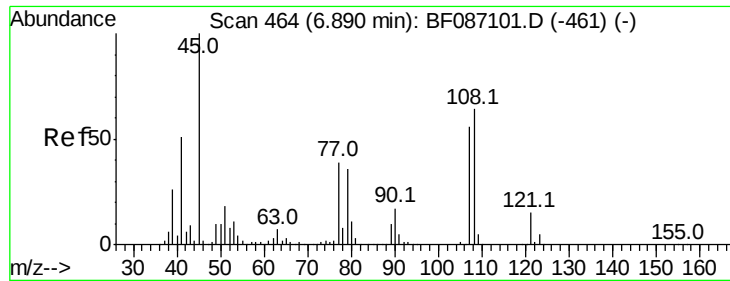
Ion Ratio Lower Upper

45 100

77 21.9 0.0 36.4

79 19.4 0.0 33.4





#17

2-Methylphenol

Concen: 45.07 ng

RT: 6.89 min Scan# 464

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

Tot Ion:107 Resp: 431491
Ion Ratio Lower Upper

107 100

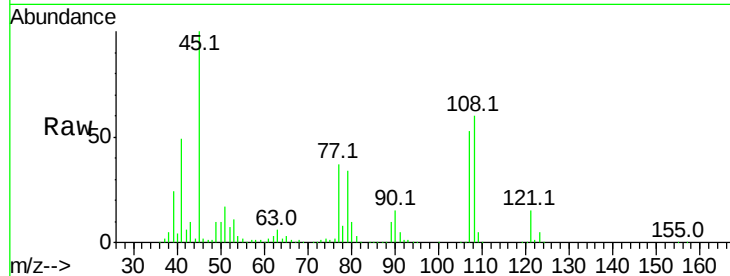
108 111.9 93.7 140.5

77 69.7 33.4 50.0#

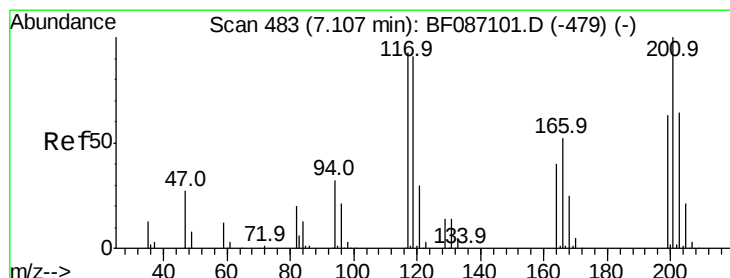
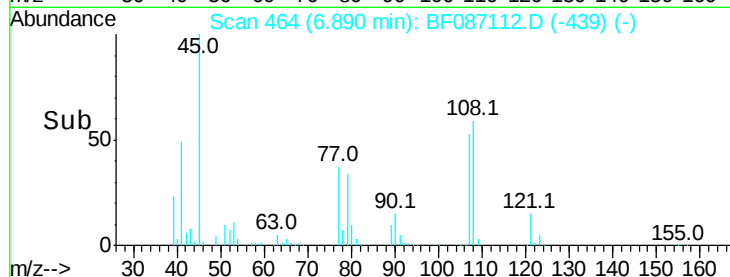
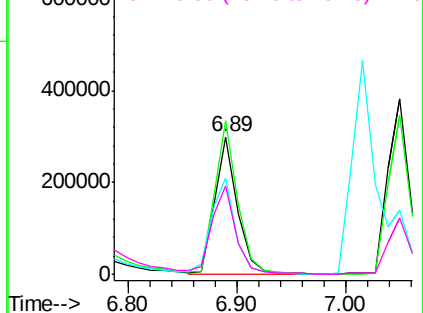
79 64.4 34.3 51.5#

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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: 33.38 ng

RT: 7.10 min Scan# 482

Delta R.T. -0.02 min

Lab File: BF087112.D

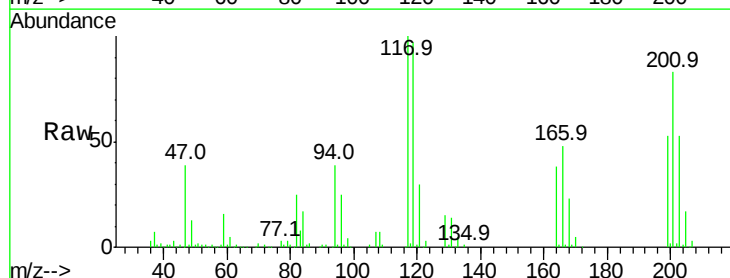
Acq: 17 May 2016 20:01

Tgt Ion:117 Resp: 161792
Ion Ratio Lower Upper

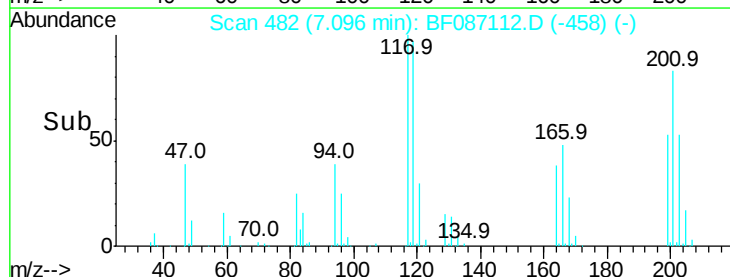
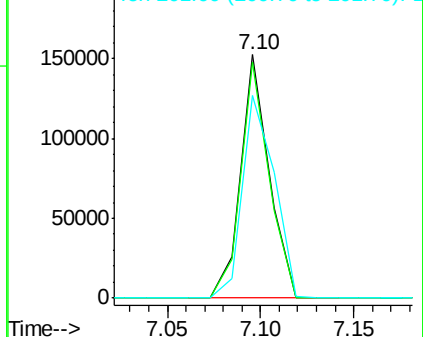
117 100

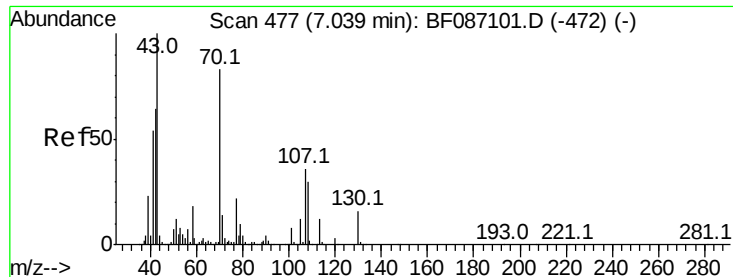
119 96.9 76.5 114.7

201 83.3 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





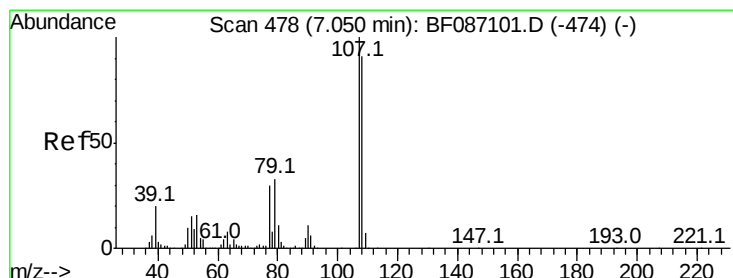
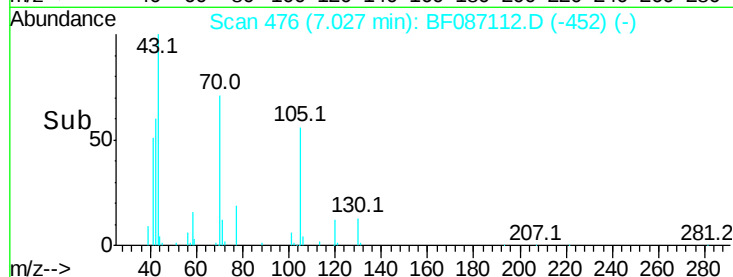
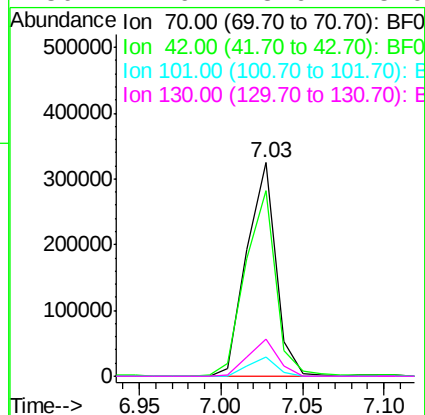
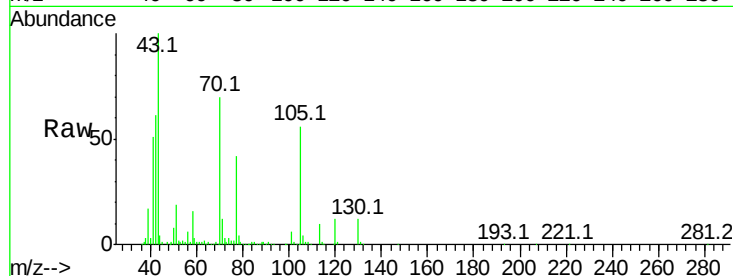
#19
n-Nitroso-di-n-propylamine
Concen: 41.38 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.02 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

Tot Ion	Ratio	Resp	Lower	Upper
70	100			
42	87.0	43.1	64.7#	
101	8.8	8.1	12.1	
130	17.6	18.6	28.0#	

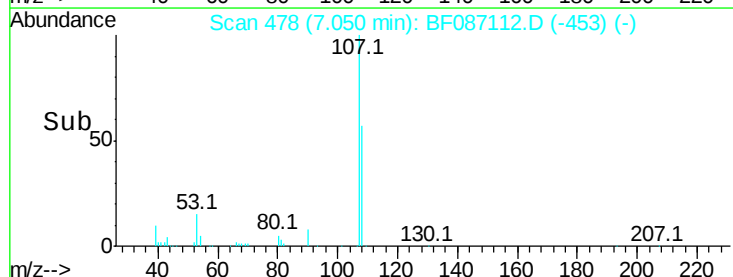
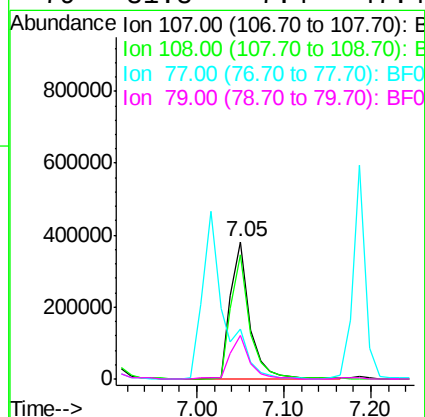
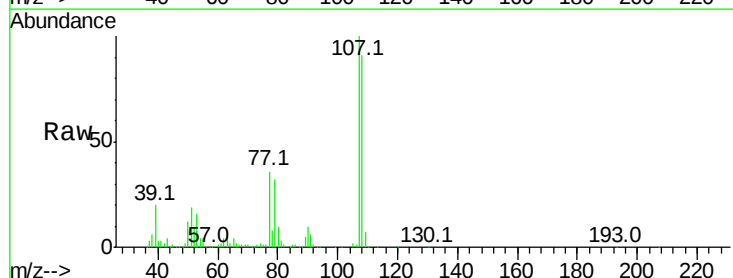
Manual Integrations
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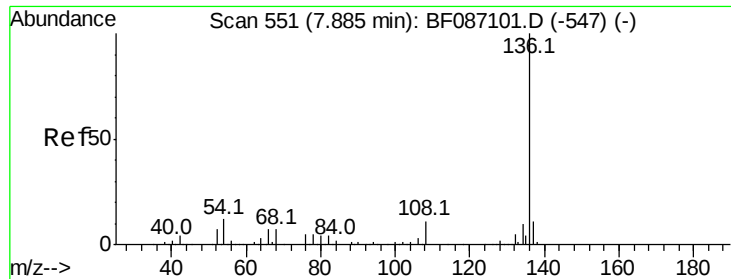
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#20
3+4-Methylphenols
Concen: 45.84 ng
RT: 7.05 min Scan# 478
Delta R.T. -0.01 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	90.7	68.5	108.5	
77	36.4	101.6	141.6#	
79	31.8	7.4	47.4	





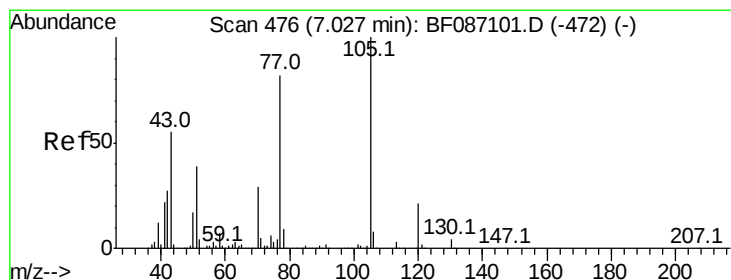
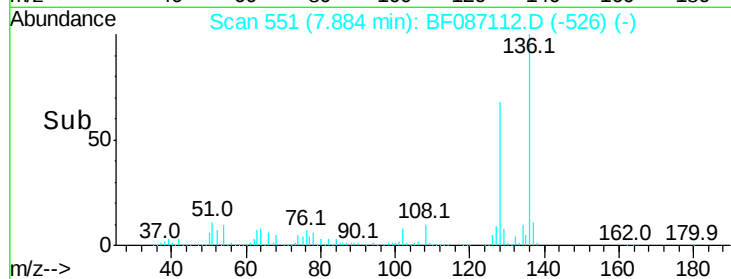
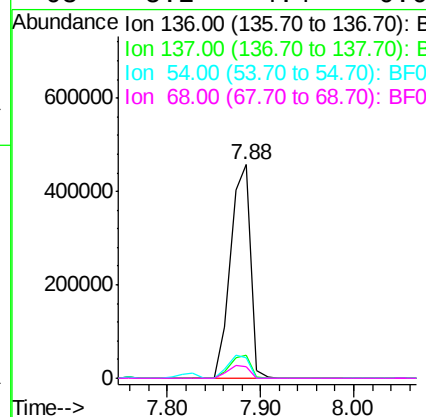
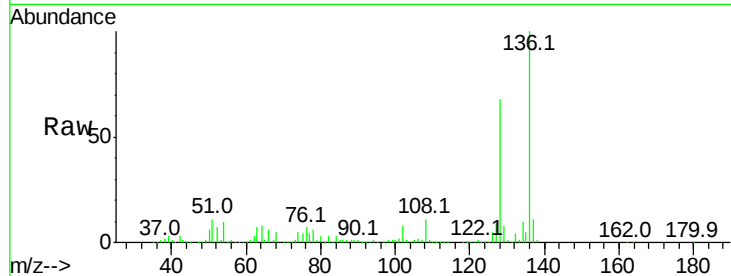
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	680074		
137	10.8	8.8	13.2	
54	9.8	5.0	7.4	
68	5.2	4.4	6.6	

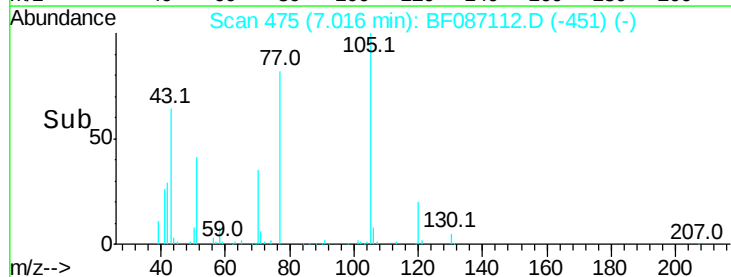
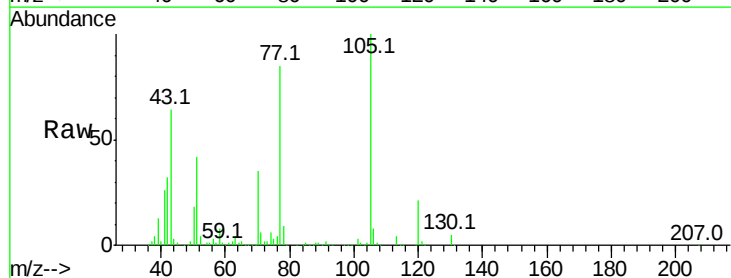
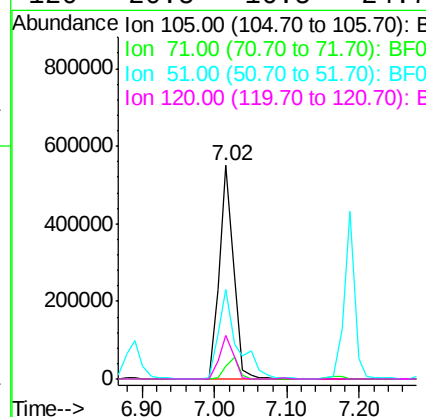
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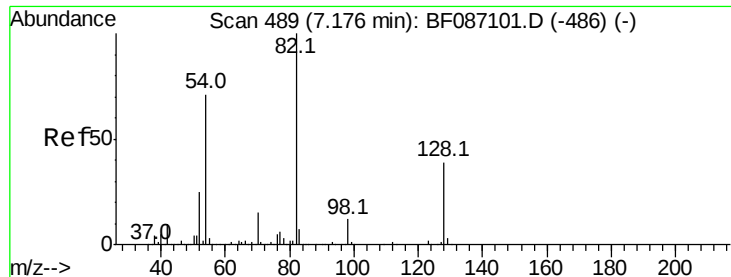
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#22
Acetophenone
Concen: 44.84 ng
RT: 7.02 min Scan# 475
Delta R.T. -0.02 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	746313		
71	5.9	4.8	7.2	
51	42.3	32.6	49.0	
120	20.5	16.5	24.7	





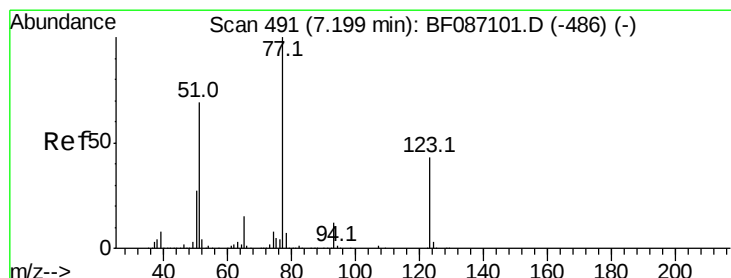
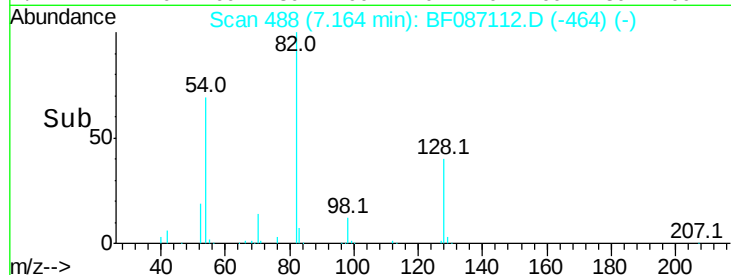
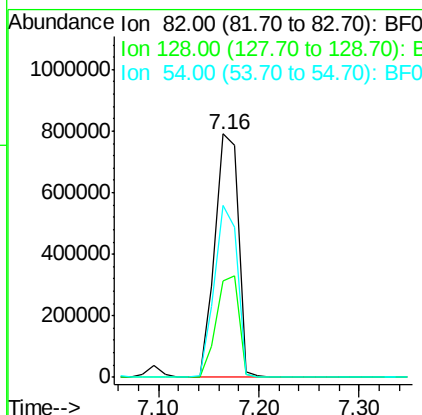
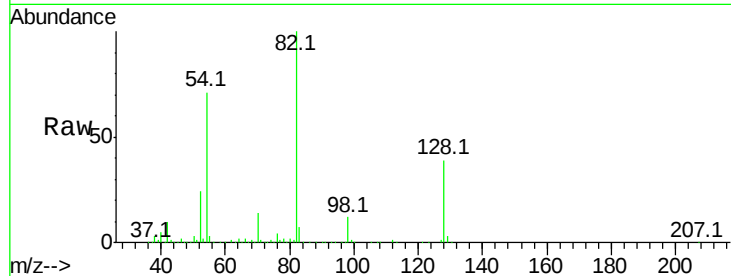
#23
 Nitrobenzene-d5
 Concen: 94.30 ng
 RT: 7.16 min Scan# 488
 Delta R.T. -0.02 min
 Lab File: BF087112.D
 Acq: 17 May 2016 20:01

Instrument :
 BNA_F
 ClientSampleID :
 HSR-WC-43-050616MS

Tot Ion: 82 Resp: 1286809
 Ion Ratio Lower Upper
 82 100
 128 39.4 40.6 61.0#
 54 70.9 38.1 57.1#

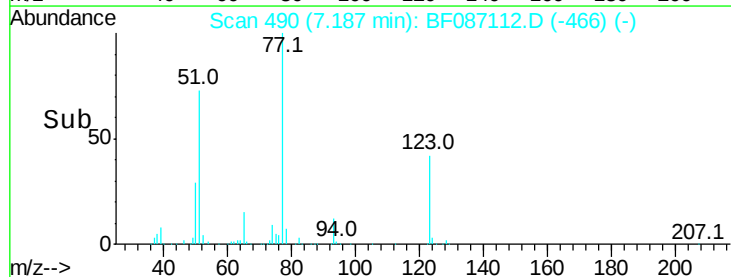
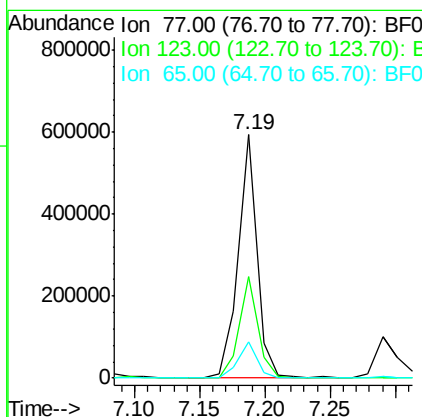
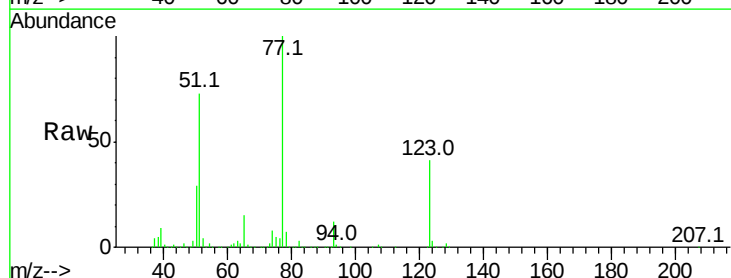
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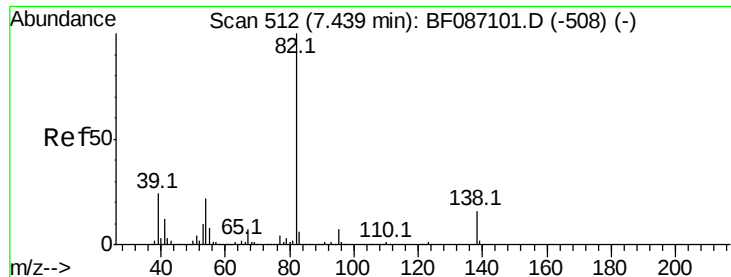
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#24
 Nitrobenzene
 Concen: 39.47 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.02 min
 Lab File: BF087112.D
 Acq: 17 May 2016 20:01

Tgt Ion: 77 Resp: 588009
 Ion Ratio Lower Upper
 77 100
 123 41.5 33.0 49.4
 65 15.2 10.8 16.2





#25

Isophorone

Concen: 44.41 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.02 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

ClientSampleId :

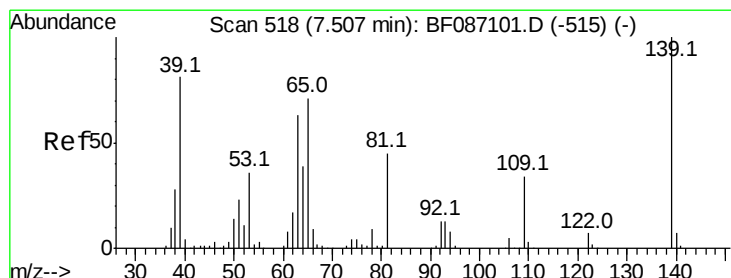
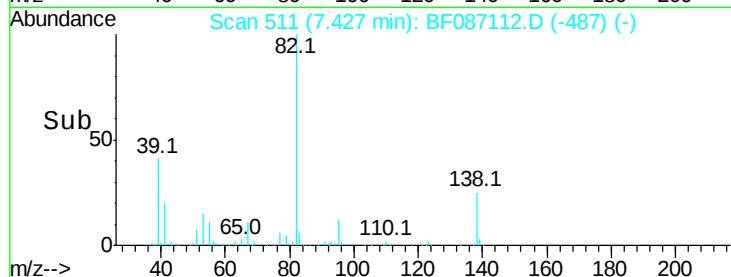
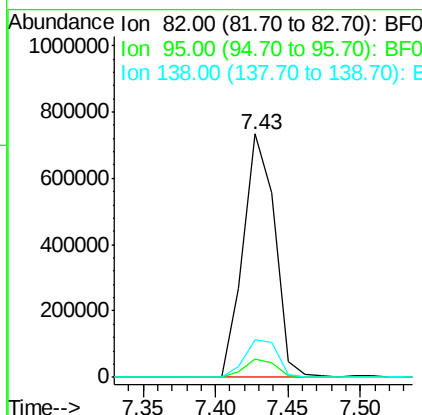
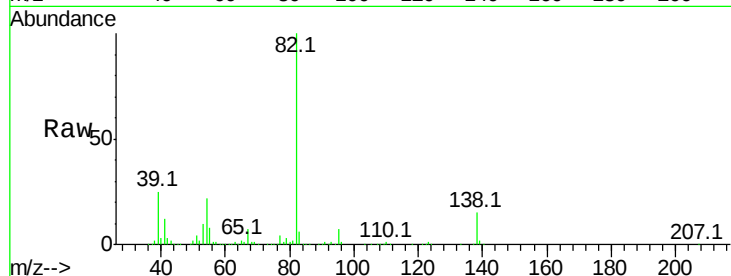
HSR-WC-43-050616MS

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Tot Ion:	82	Resp:	1109276
Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.1	7.7
138	15.2	12.4	18.6



#26

2-Nitrophenol

Concen: 46.59 ng

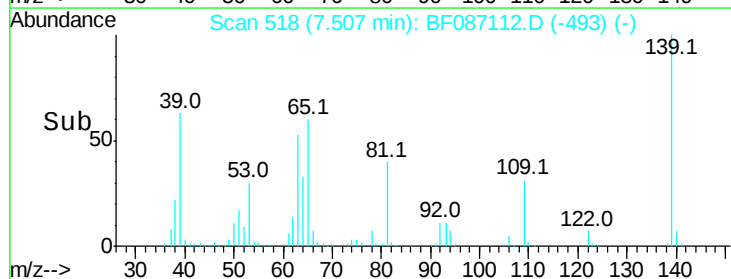
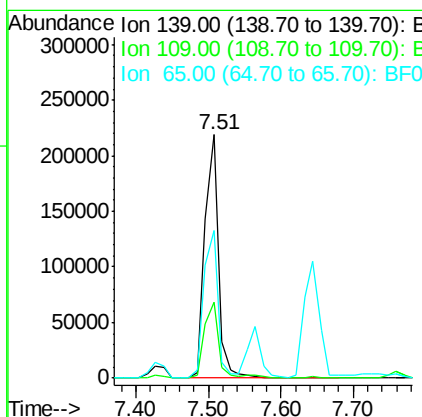
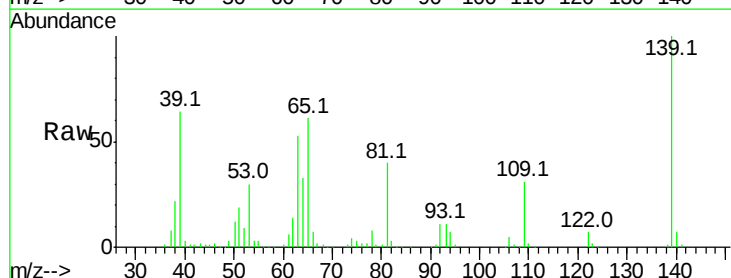
RT: 7.51 min Scan# 518

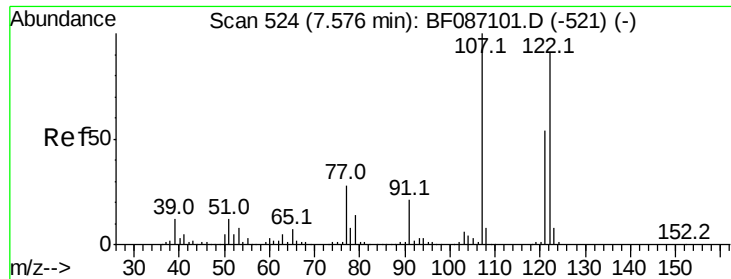
Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Tgt Ion:	139	Resp:	287557
Ion	Ratio	Lower	Upper
139	100		
109	31.3	19.5	29.3#
65	60.7	37.5	56.3#





#27

2,4-Dimethylphenol

Concen: 44.59 ng

RT: 7.56 min Scan# 523

Delta R.T. -0.02 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

ClientSampleId :

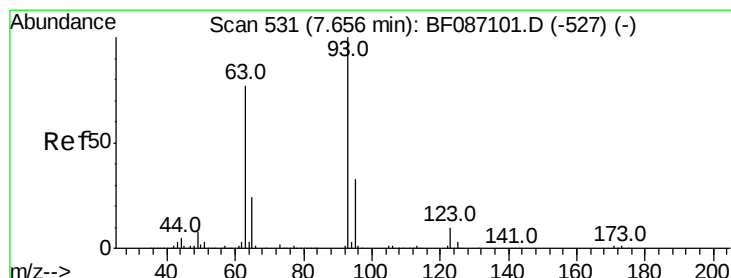
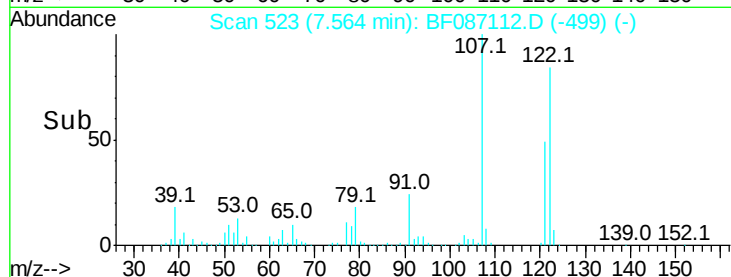
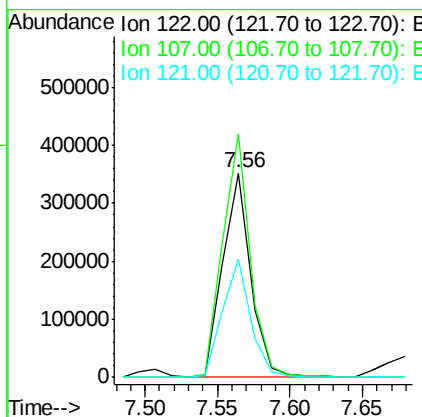
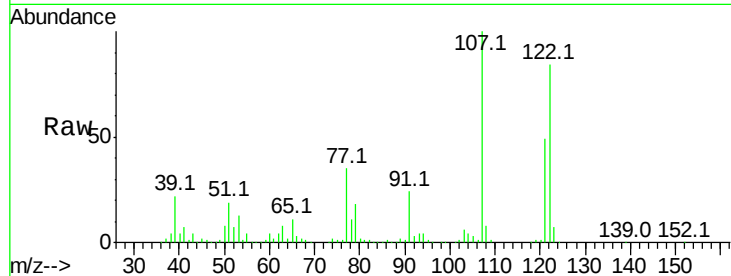
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Tot Ion:	122	Resp:	469655
Ion Ratio	Lower	Upper	
122	100		
107	119.2	82.0	123.0
121	58.0	46.1	69.1



#28

bis(2-Chloroethoxy)methane

Concen: 46.92 ng

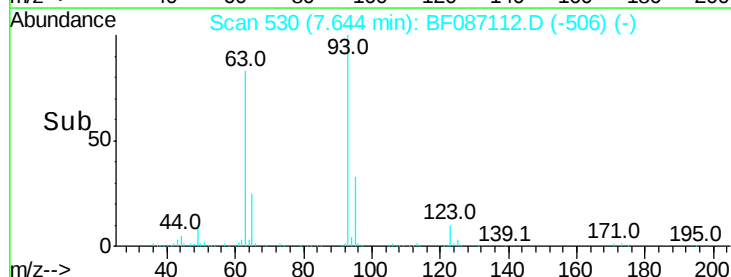
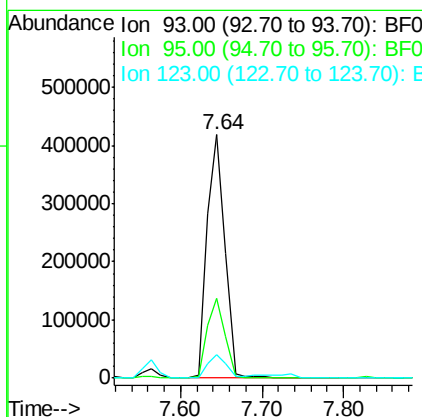
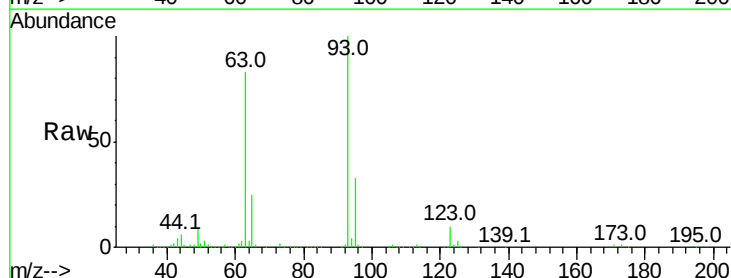
RT: 7.64 min Scan# 530

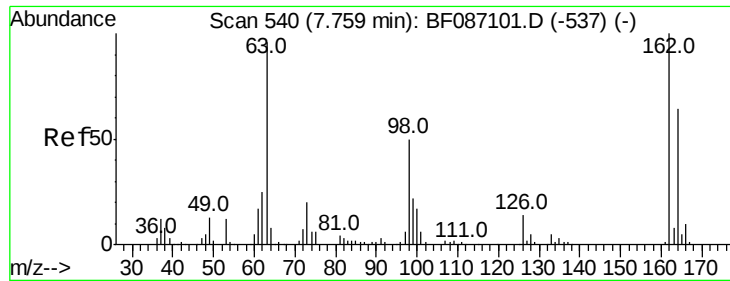
Delta R.T. -0.02 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Tgt Ion:	93	Resp:	643378
Ion Ratio	Lower	Upper	
93	100		
95	32.6	26.0	39.0
123	9.7	9.5	14.3





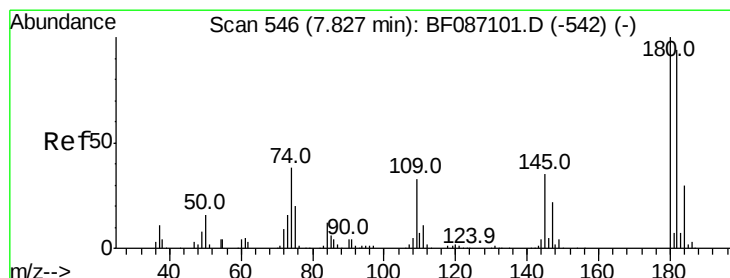
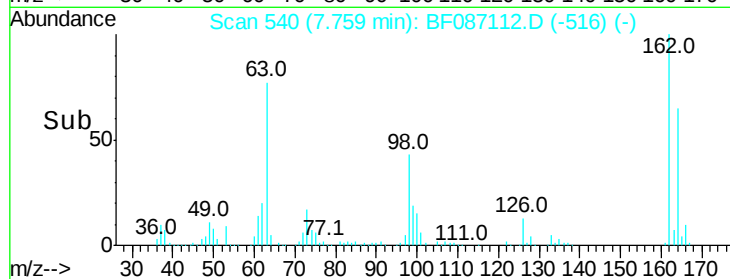
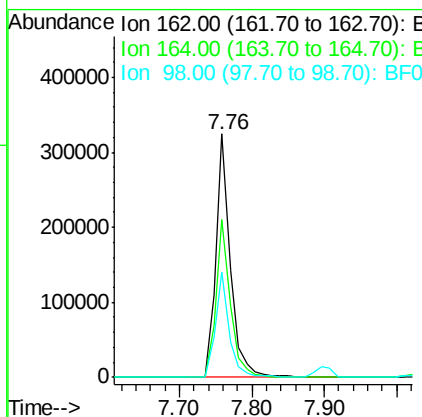
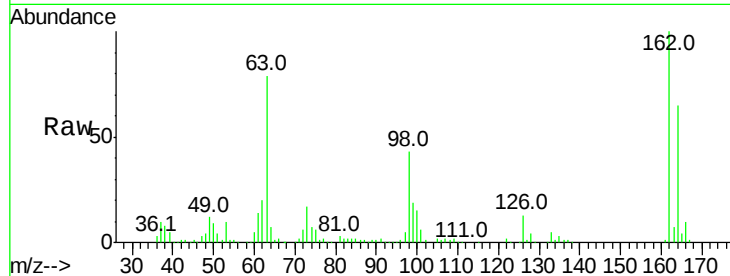
#29
 2,4-Dichlorophenol
 Concen: 48.43 ng
 RT: 7.76 min Scan# 540
 Delta R.T. -0.02 min
 Lab File: BF087112.D
 Acq: 17 May 2016 20:01

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	449499		
164	64.8	42.2	82.2	
98	43.3	19.0	59.0	

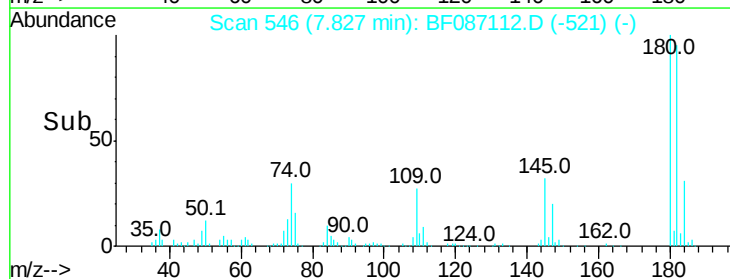
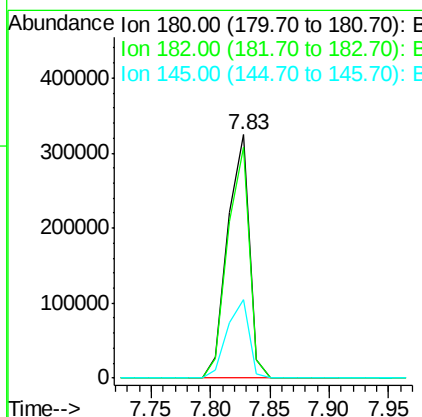
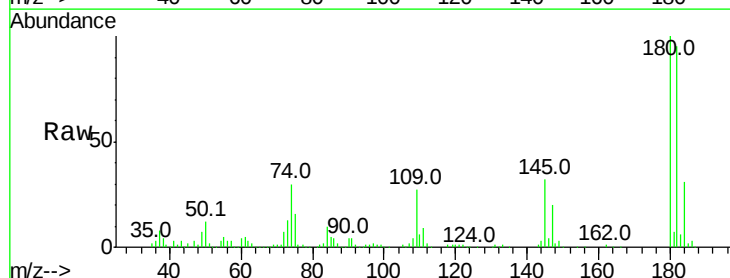
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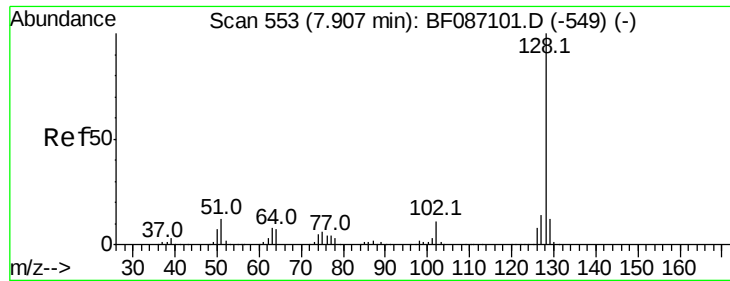
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#30
 1,2,4-Trichlorobenzene
 Concen: 39.95 ng
 RT: 7.83 min Scan# 546
 Delta R.T. -0.01 min
 Lab File: BF087112.D
 Acq: 17 May 2016 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	411486		
182	95.0	78.0	117.0	
145	32.4	24.2	36.2	





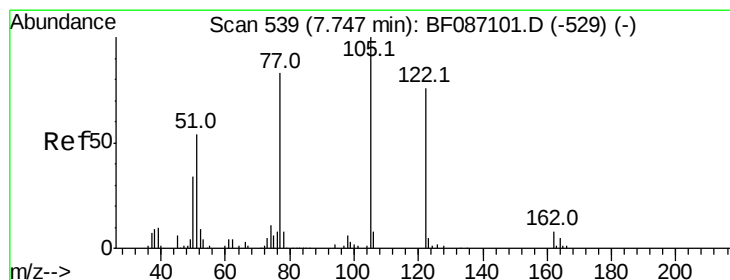
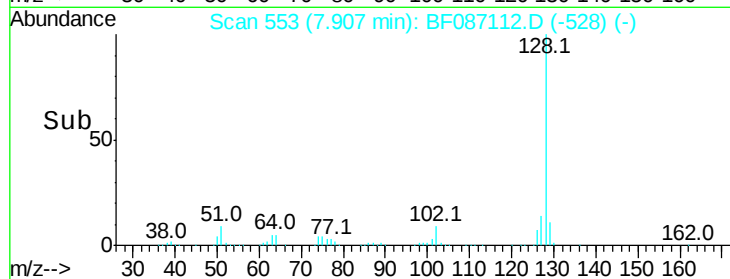
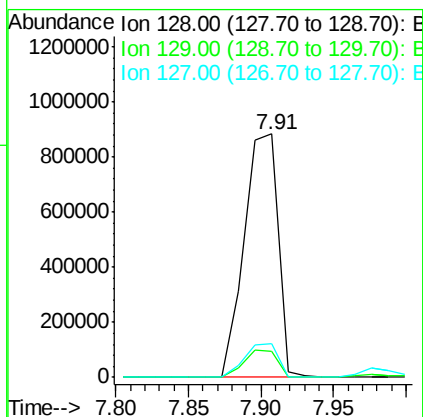
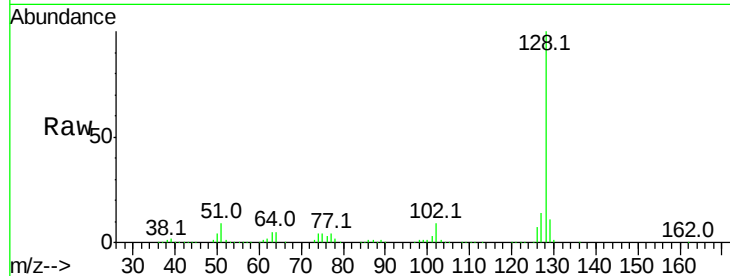
#31
Naphthalene
Concen: 43.02 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.6	10.8	16.2

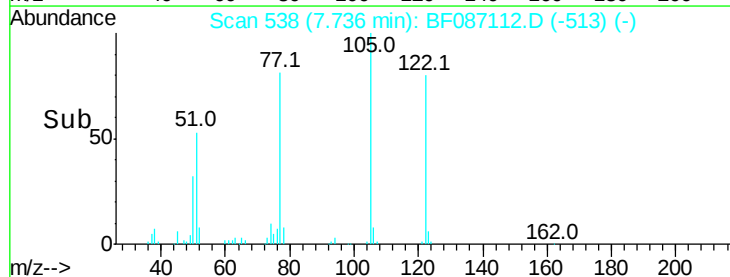
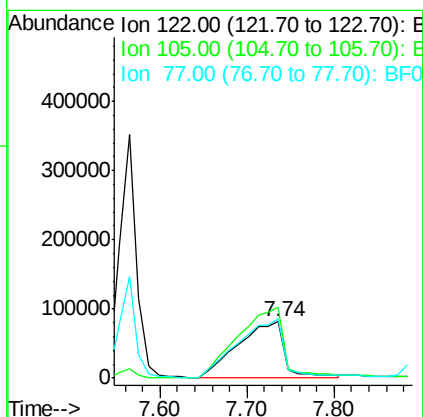
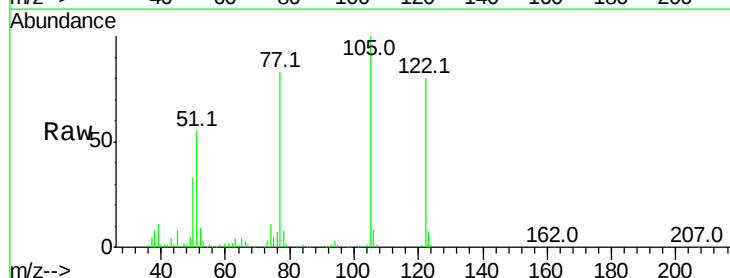
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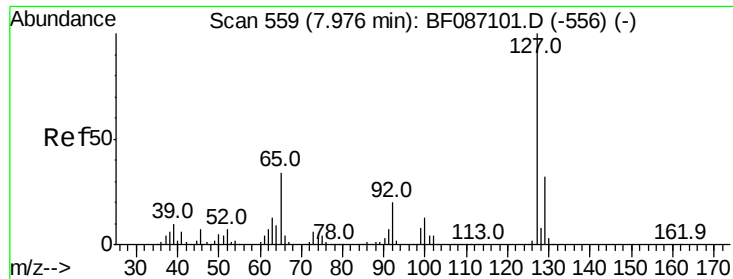
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#32
Benzoic acid
Concen: 46.88 ng
RT: 7.74 min Scan# 538
Delta R.T. -0.01 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Tgt Ion	Ratio	Lower	Upper
122	100		
105	124.5	92.6	132.6
77	103.8	60.0	100.0#





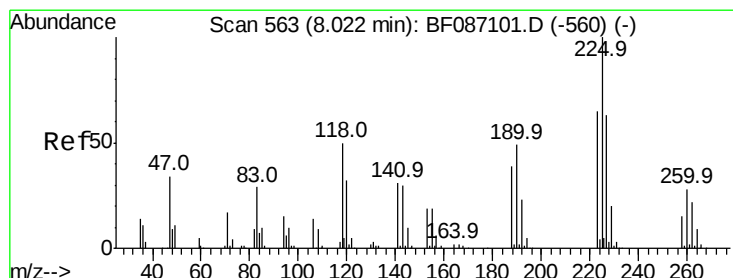
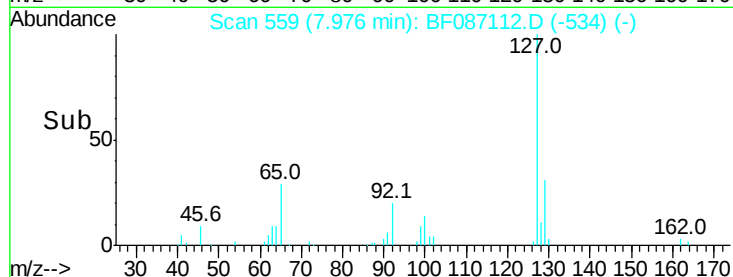
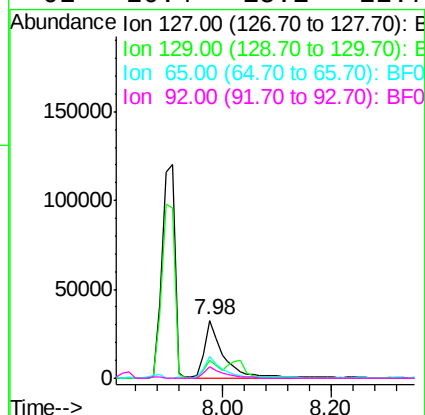
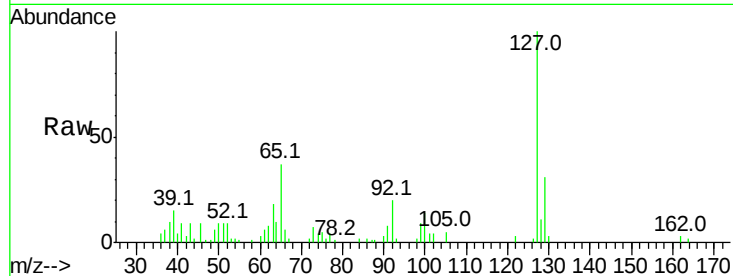
#33
4-Chloroaniline
Concen: 5.63 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	31.4	26.2	39.4	
65	37.4	23.0	34.4	
92	20.4	15.1	22.7	

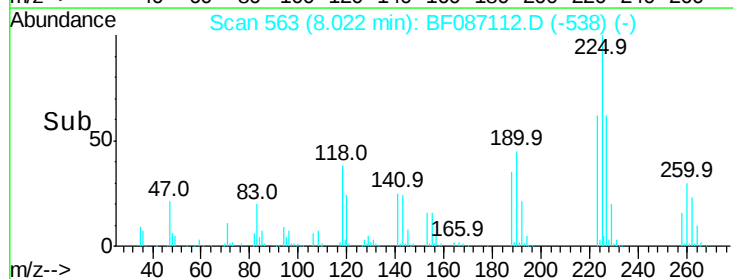
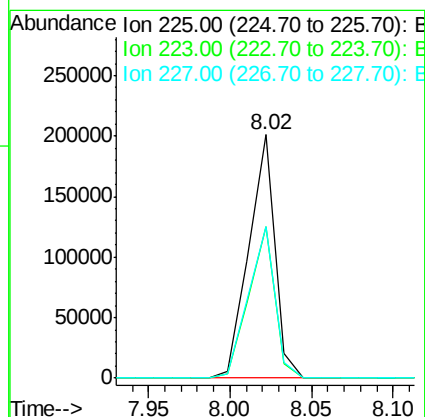
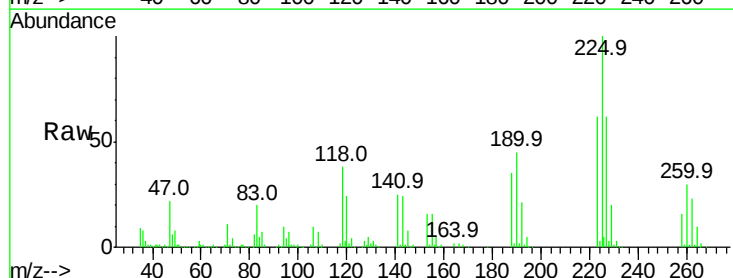
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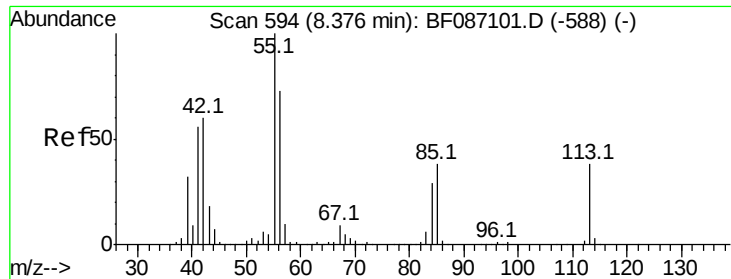
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#34
Hexachlorobutadiene
Concen: 38.15 ng
RT: 8.02 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.2	51.5	77.3	
227	62.4	52.2	78.2	





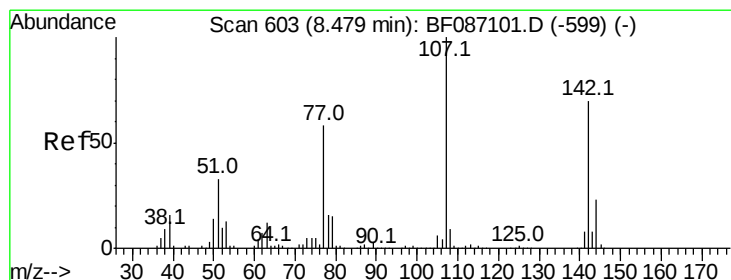
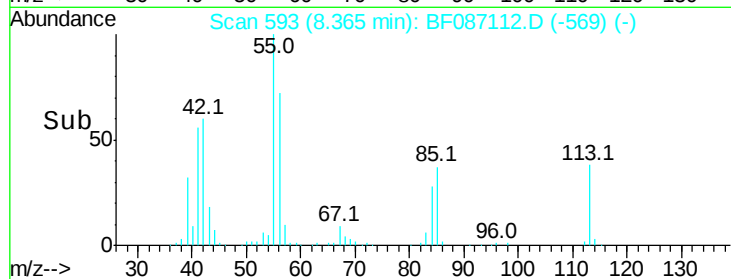
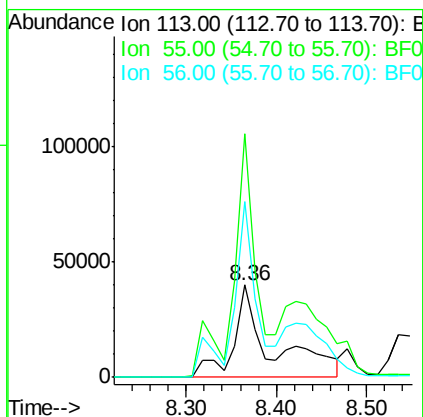
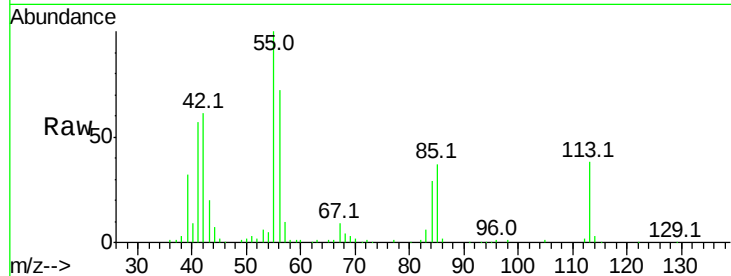
#35
 Caprolactam
 Concen: 38.16 ng/ml
 RT: 8.36 min Scan# 593
 Delta R.T. -0.02 min
 Lab File: BF087112.D
 Acq: 17 May 2016 20:01

Instrument :
 BNA_F
 ClientSampleID :
 HSR-WC-43-050616MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
55	263.8	162.0	202.0#	
56	190.4	115.3	155.3#	

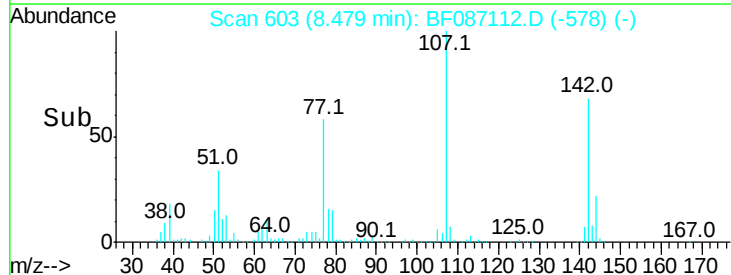
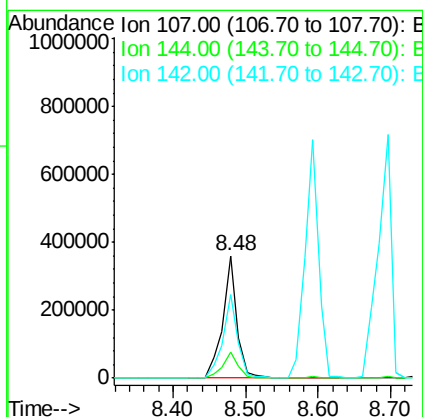
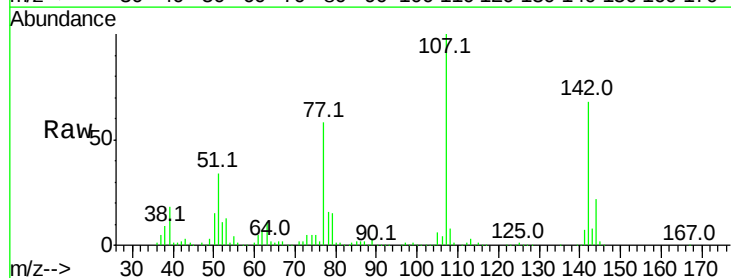
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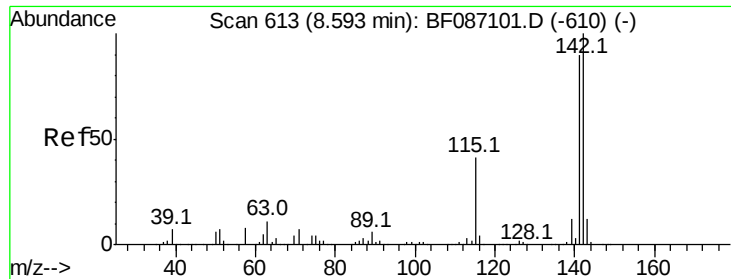
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#36
 4-Chloro-3-methylphenol
 Concen: 44.29 ng/ml
 RT: 8.48 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF087112.D
 Acq: 17 May 2016 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
144	21.8	20.7	31.1	
142	68.4	63.2	94.8	





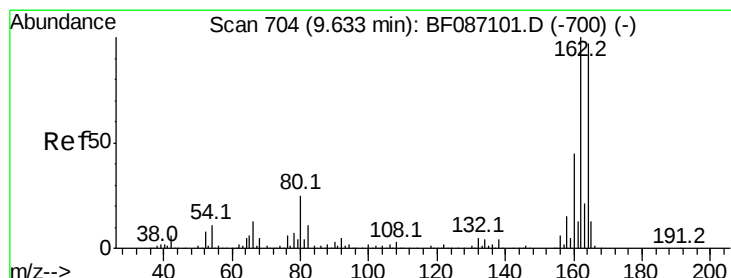
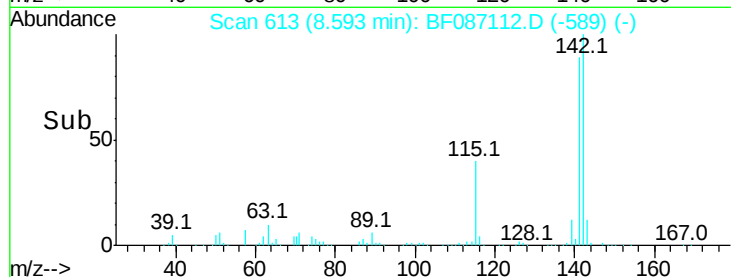
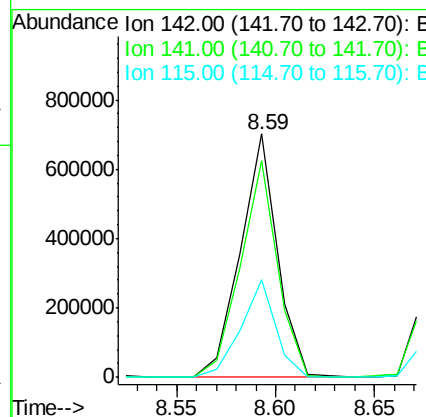
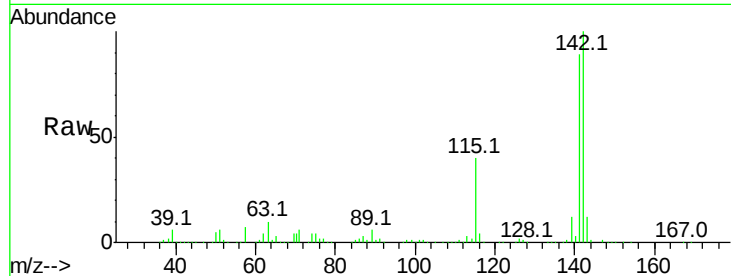
#37
2-Methylnaphthalene
Concen: 43.20 ng/ml
RT: 8.59 min Scan# 613
Delta R.T. -0.02 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

Tot Ion	Ratio	Resp	Lower	Upper
142	100			
141	89.2	71.0	106.6	
115	39.9	26.6	39.8	

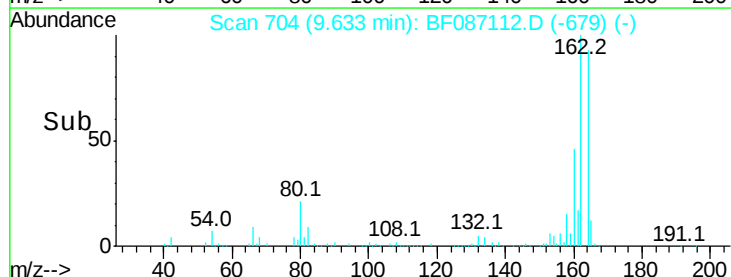
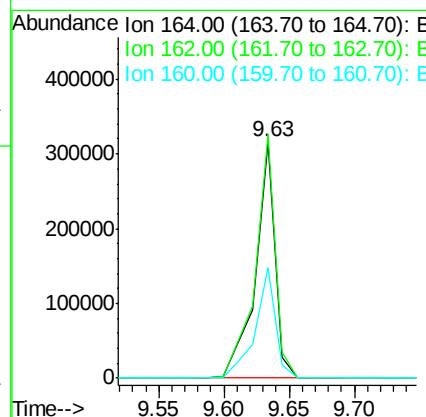
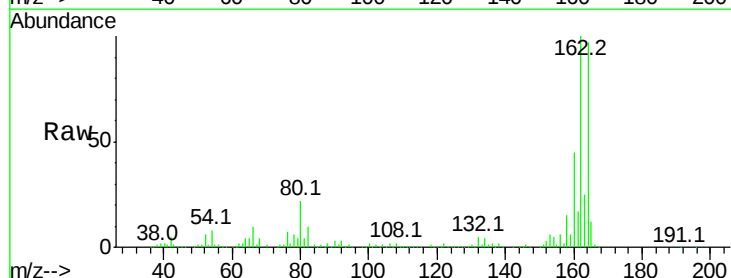
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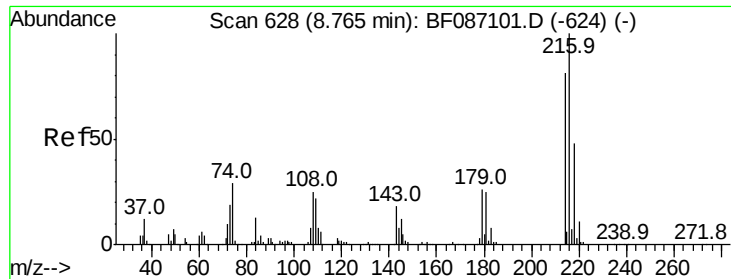
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.01 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.2	82.8	124.2	
160	46.8	36.9	55.3	





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.69 ng

RT: 8.76 min Scan# 628

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

ClientSampleId :

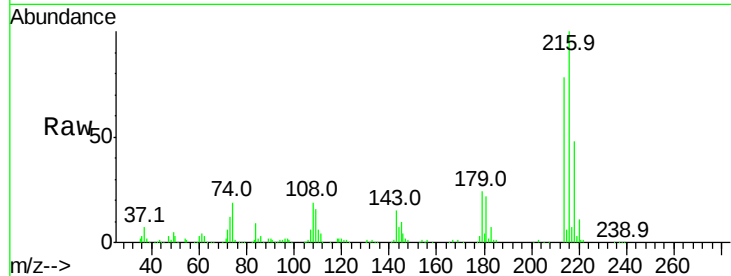
HSR-WC-43-050616MS

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Tot Ion	Ratio	Resp	Lower	Upper
216	100	414973		
214	78.3	62.6	93.8	
179	24.0	18.2	27.4	
108	23.9	17.5	26.3	

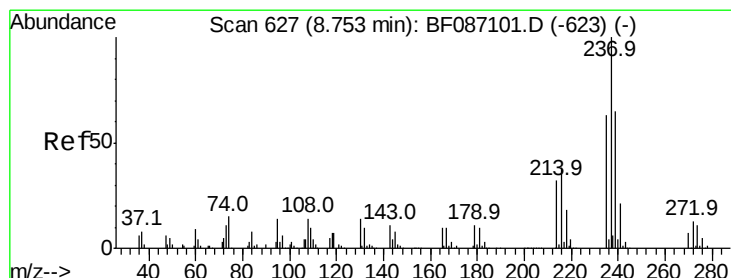
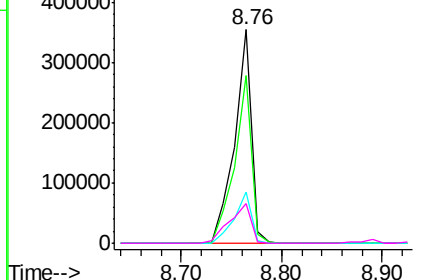
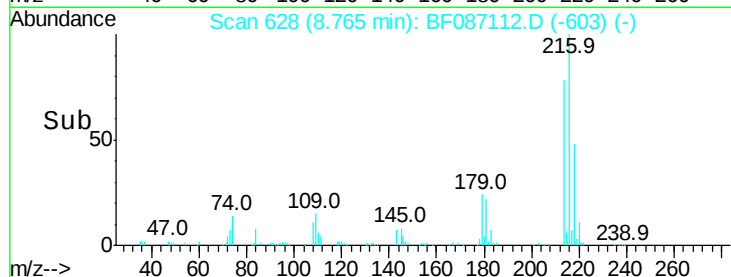


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 69.47 ng

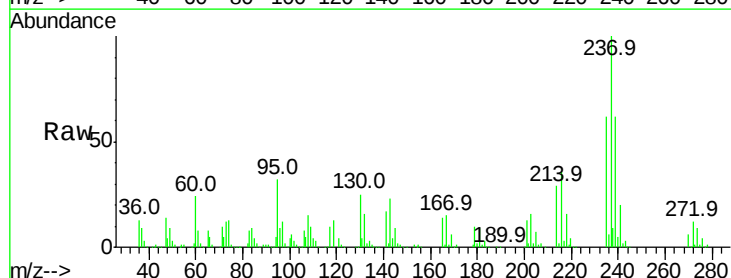
RT: 8.74 min Scan# 626

Delta R.T. -0.02 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

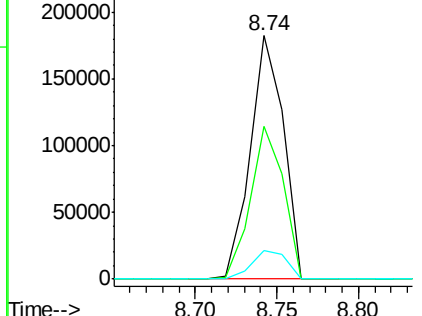
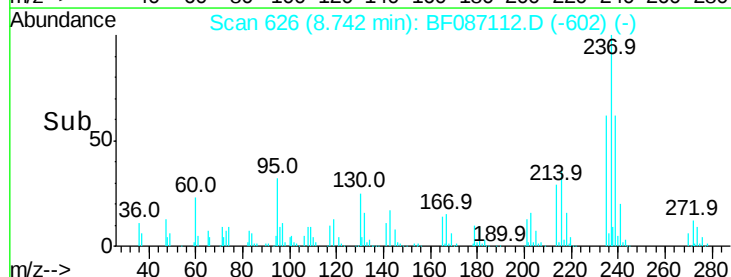
Tgt Ion	Ratio	Resp	Lower	Upper
237	100	256460		
235	62.5	47.2	87.2	
272	11.7	0.0	31.1	

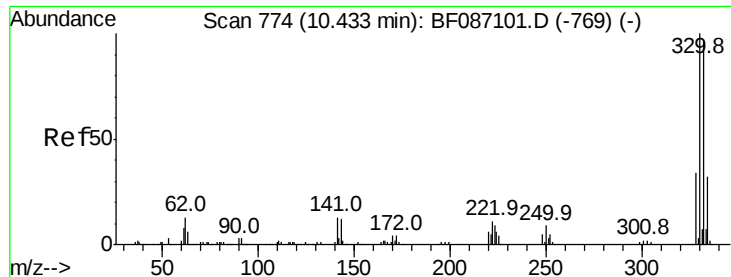


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





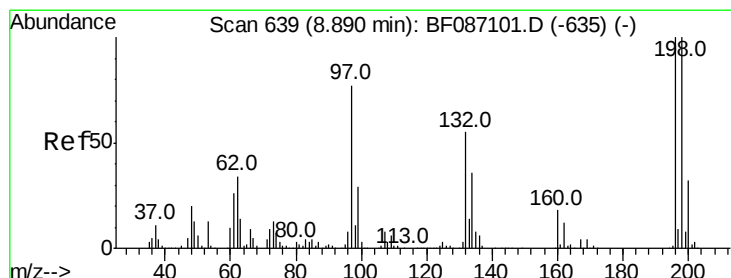
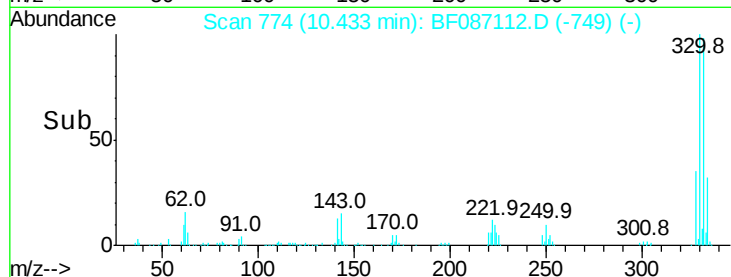
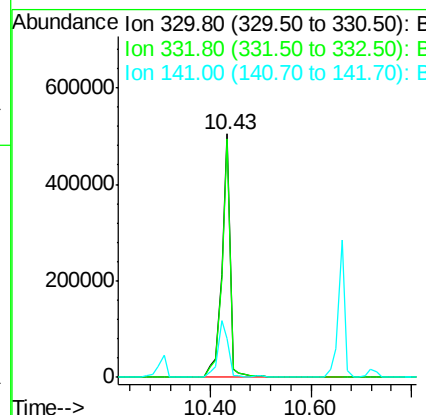
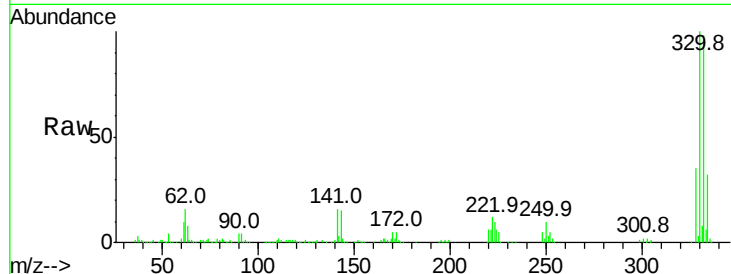
#41
 2,4,6-Tribromophenol
 Concen: 155.87 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: BF087112.D
 Acq: 17 May 2016 20:01

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.4	79.0	118.4	
141	29.7	31.2	46.8	

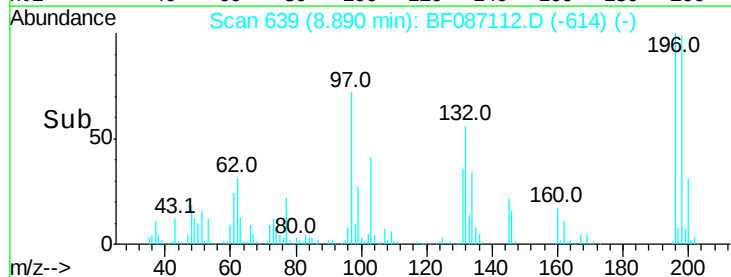
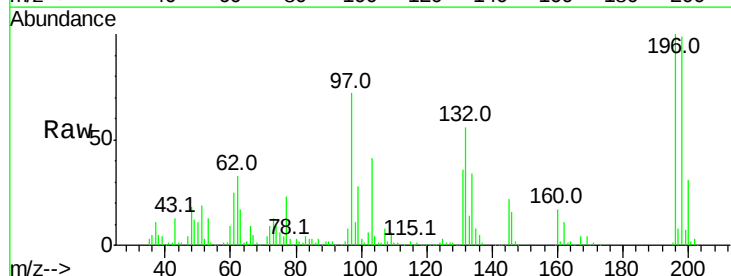
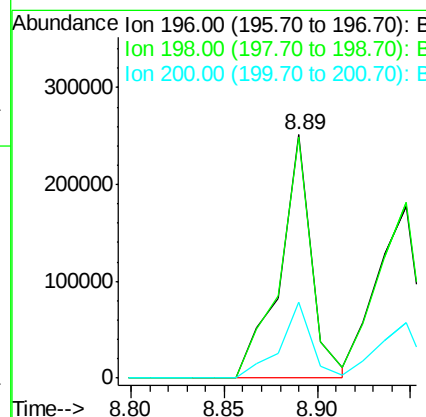
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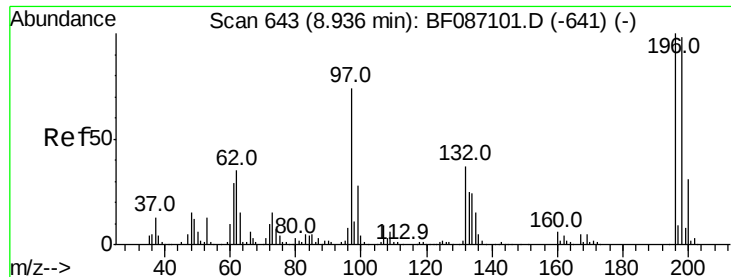
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#42
 2,4,6-Trichlorophenol
 Concen: 47.30 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.01 min
 Lab File: BF087112.D
 Acq: 17 May 2016 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	99.3	74.7	112.1	
200	31.3	23.8	35.6	





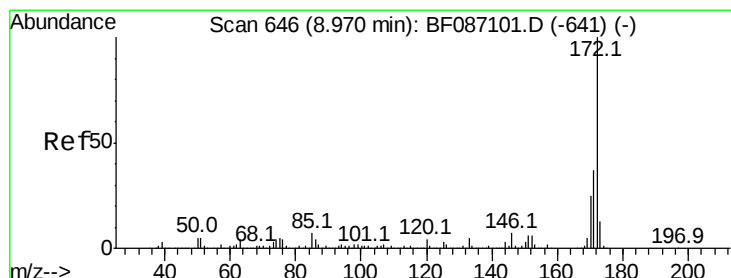
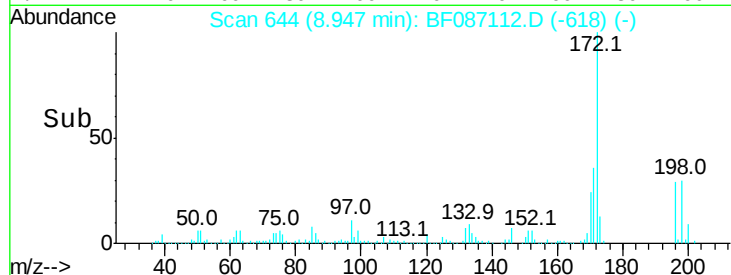
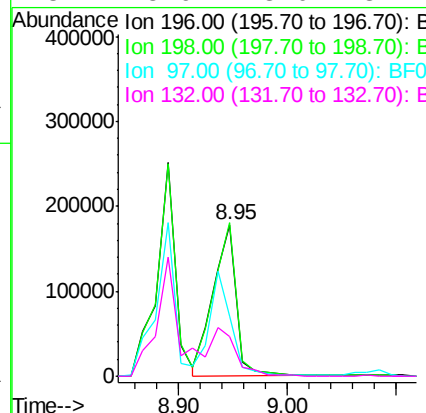
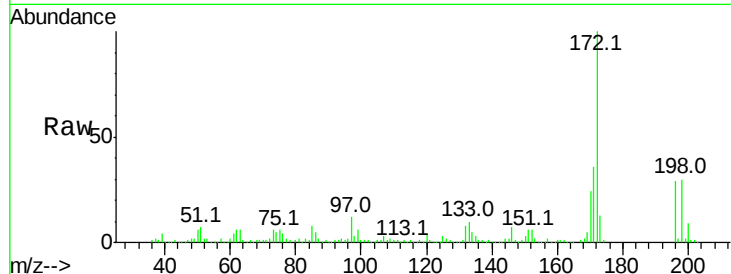
#43
 2,4,5-Trichlorophenol
 Concen: 40.90 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.00 min
 Lab File: BF087112.D
 Acq: 17 May 2016 20:01

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	267825		
198	101.8		77.5	116.3
97	40.0		34.8	52.2
132	25.9		23.0	34.4

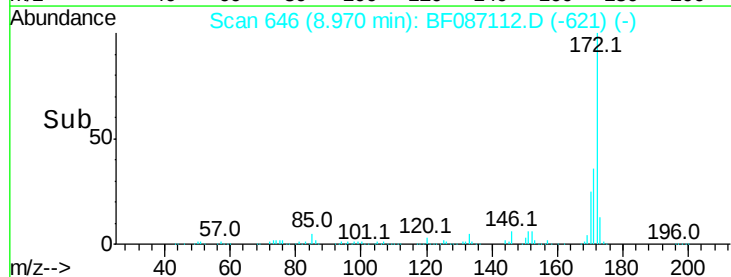
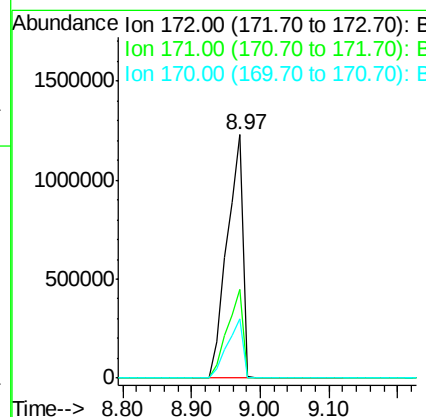
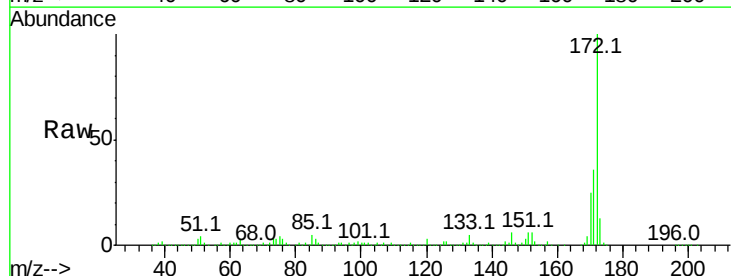
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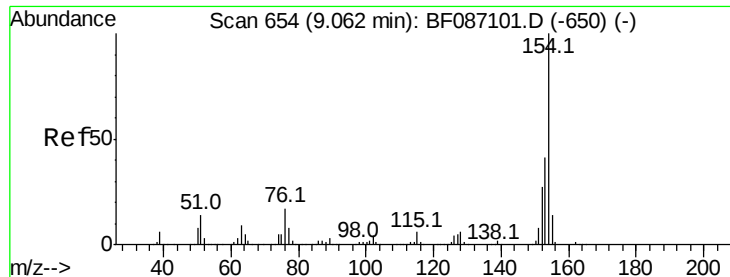
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#44
 2-Fluorobiphenyl
 Concen: 100.00 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.01 min
 Lab File: BF087112.D
 Acq: 17 May 2016 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2009424		
171	36.4		29.0	43.6
170	24.6		19.8	29.8





#45

1,1'-Biphenyl

Concen: 41.63 ng

RT: 9.06 min Scan# 654

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

Tot Ion:154 Resp: 1148654

Ion Ratio Lower Upper

154 100

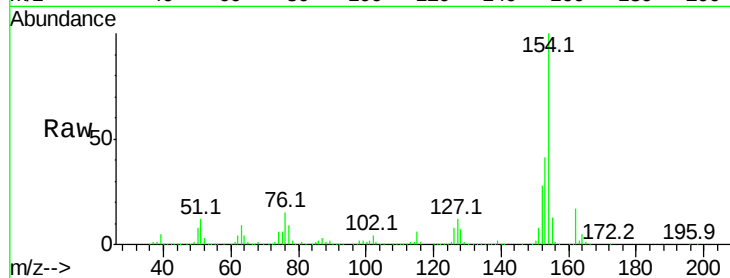
153 41.3 20.3 60.3

76 15.4 0.0 30.2

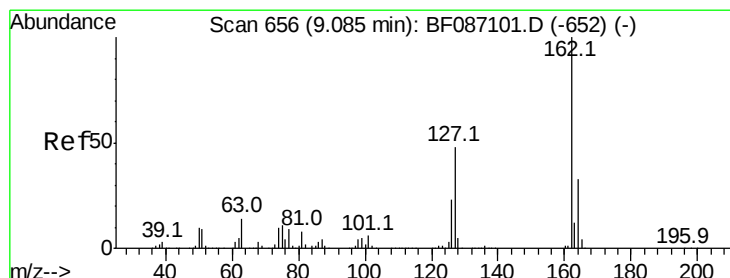
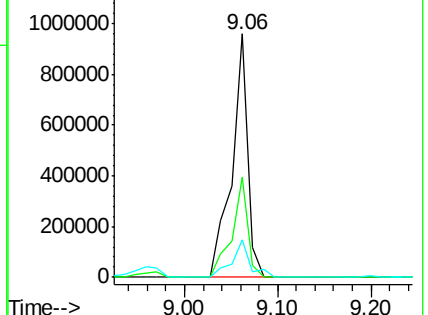
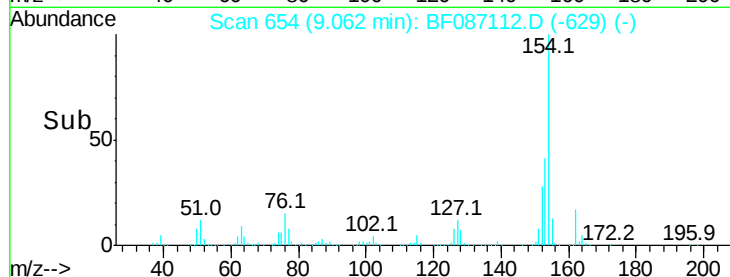
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 41.83 ng

RT: 9.08 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

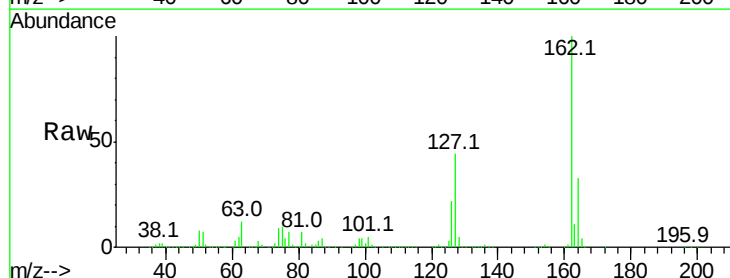
Tgt Ion:162 Resp: 886135

Ion Ratio Lower Upper

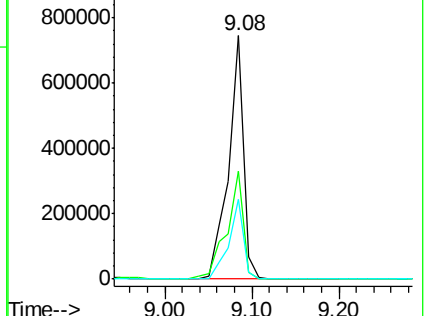
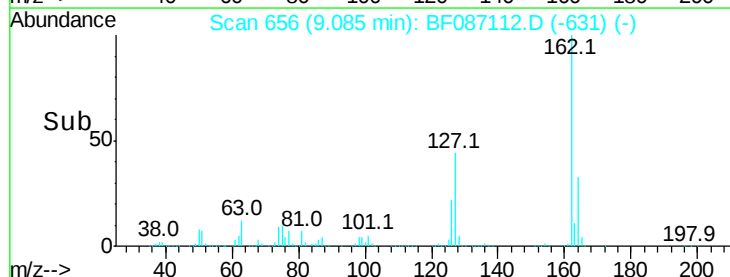
162 100

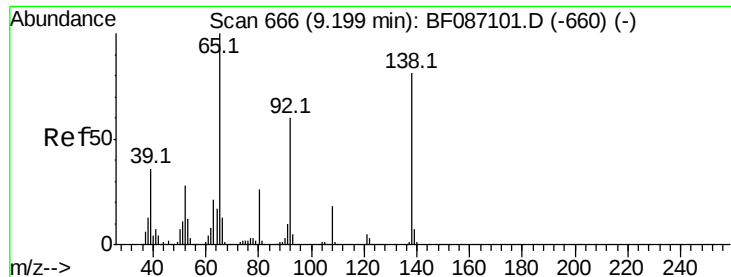
127 44.5 31.8 47.6

164 32.9 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: 47.43 ng

RT: 9.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

ClientSampleId :

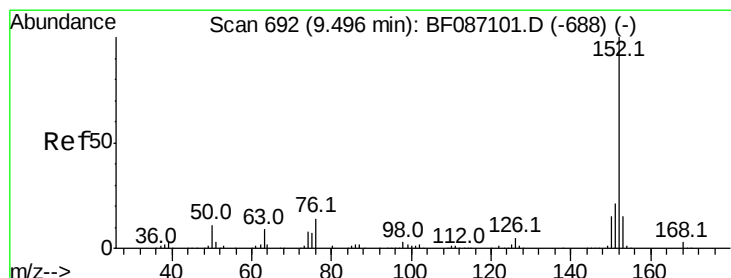
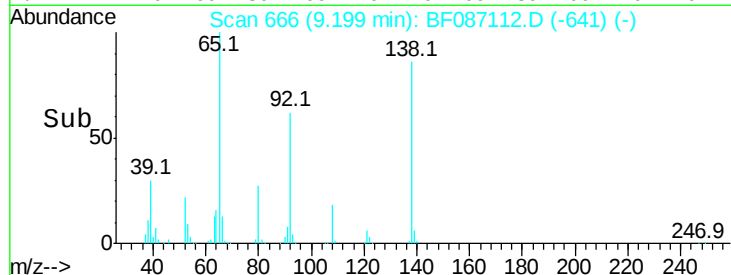
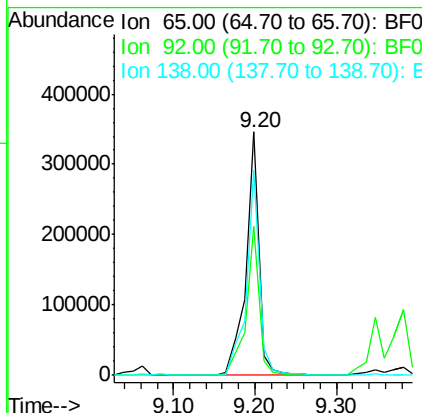
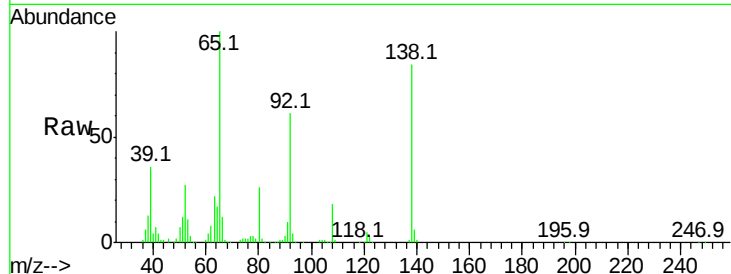
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Tot Ion	65	Resp	385015
Ion Ratio	Lower	Upper	
65	100		
92	61.2	57.4	86.2
138	84.1	90.1	135.1#



#48

Acenaphthylene

Concen: 41.56 ng

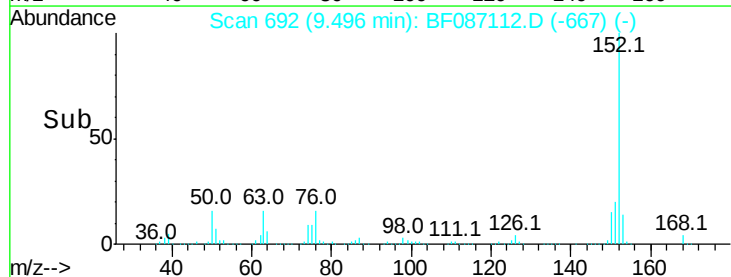
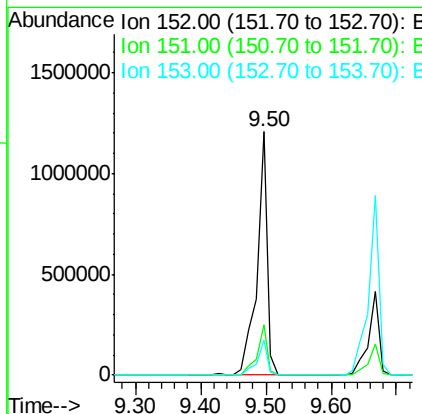
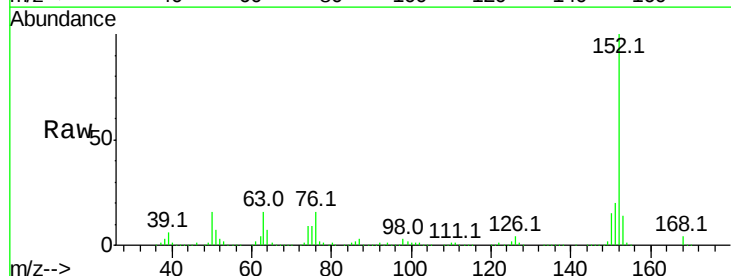
RT: 9.50 min Scan# 692

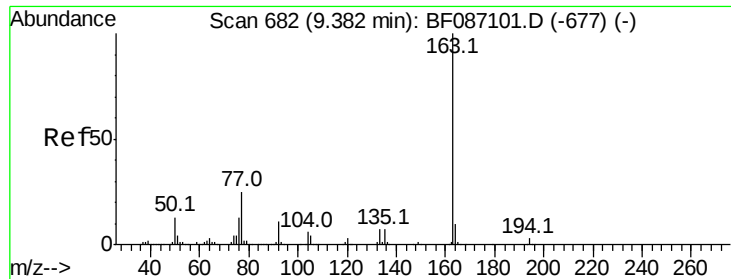
Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Tgt Ion	152	Resp	1344248
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.8	25.2
153	14.3	10.9	16.3





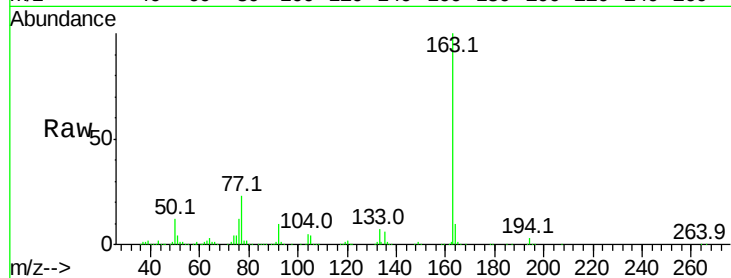
#49
Dimethylphthalate
Concen: 45.96 ng
RT: 9.38 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

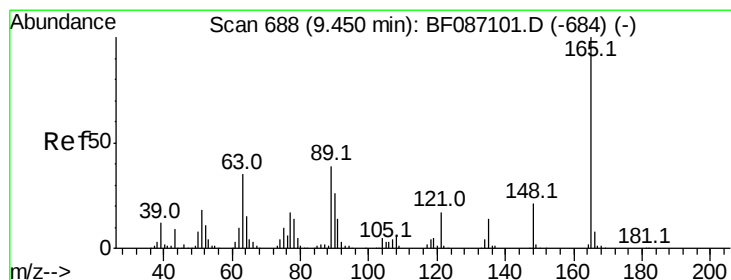
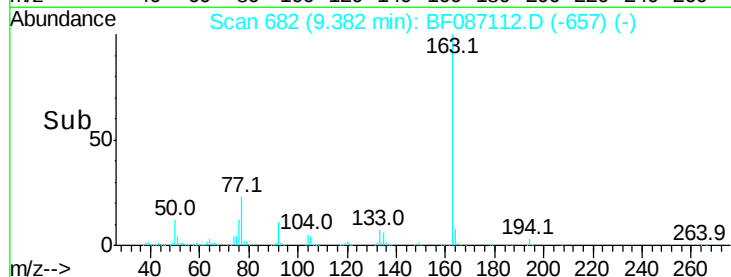
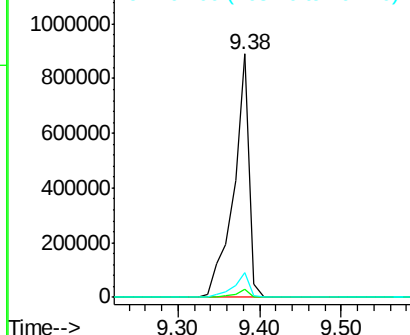
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.1	8.2	12.4

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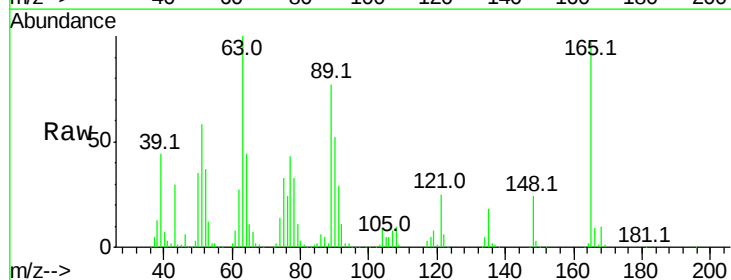


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

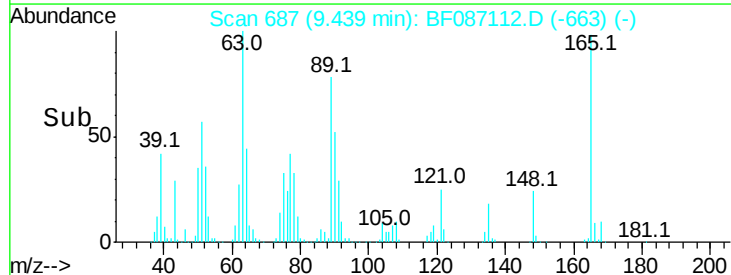
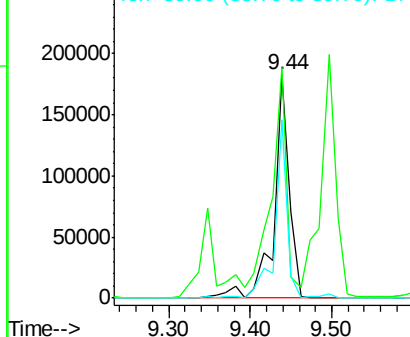


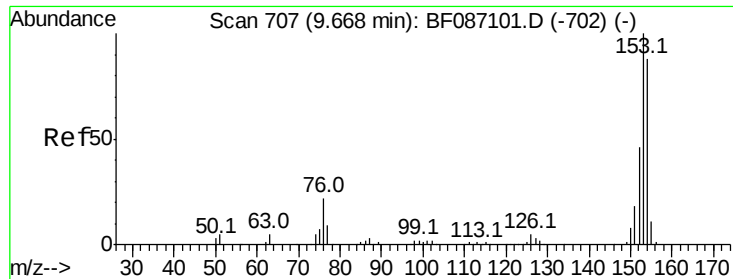
#50
2,6-Dinitrotoluene
Concen: 43.50 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	103.2	51.8	77.8#
89	79.7	50.7	76.1#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 42.94 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

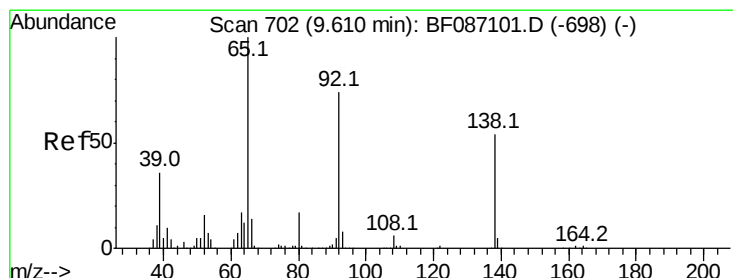
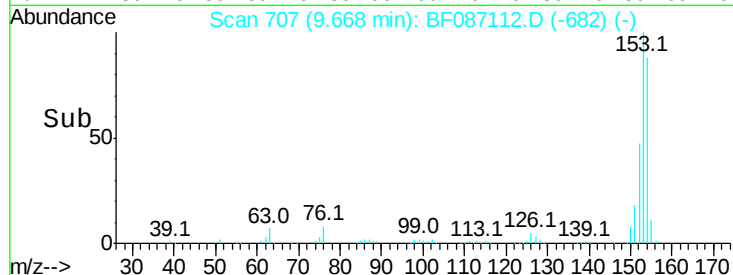
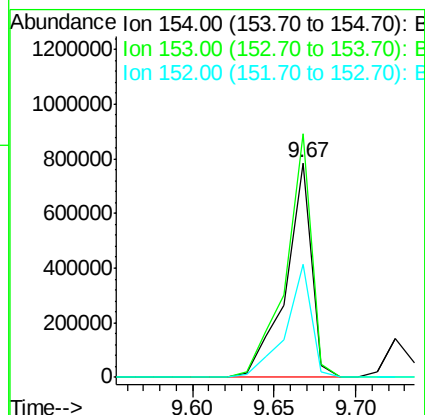
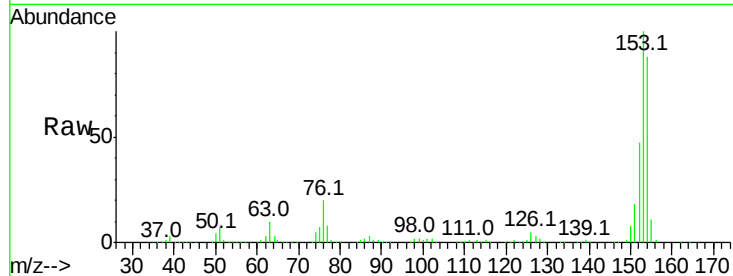
ClientSampleId :

HSR-WC-43-050616MS

Tot Ion:	154	Resp:	867816
Ion Ratio	Lower	Upper	
154	100		
153	113.4	89.8	134.6
152	52.7	43.4	65.0

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#52

3-Nitroaniline

Concen: 16.50 ng

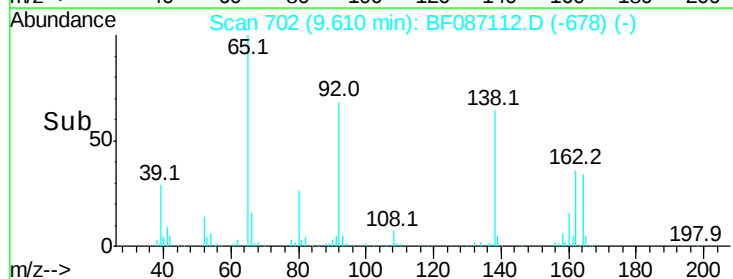
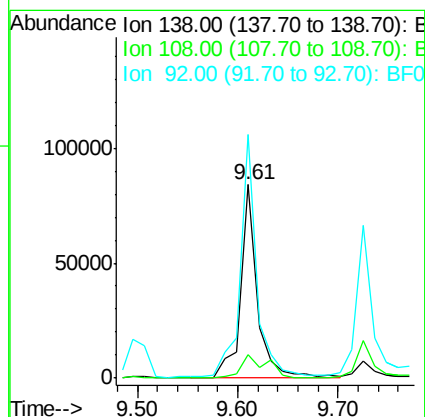
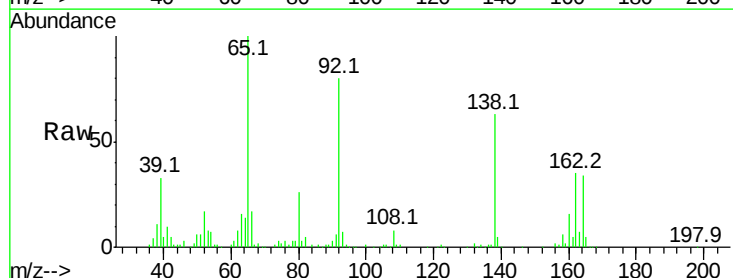
RT: 9.61 min Scan# 702

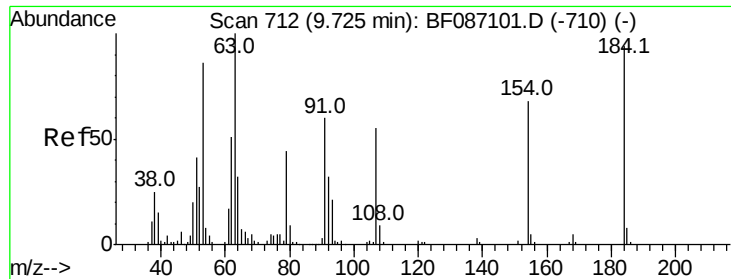
Delta R.T. -0.02 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Tgt Ion:	138	Resp:	98450
Ion Ratio	Lower	Upper	
138	100		
108	12.3	7.8	11.6#
92	125.9	87.8	131.8





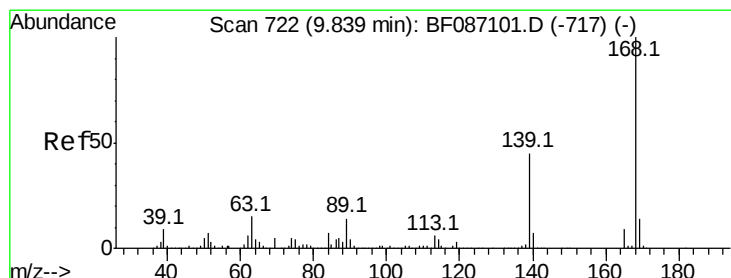
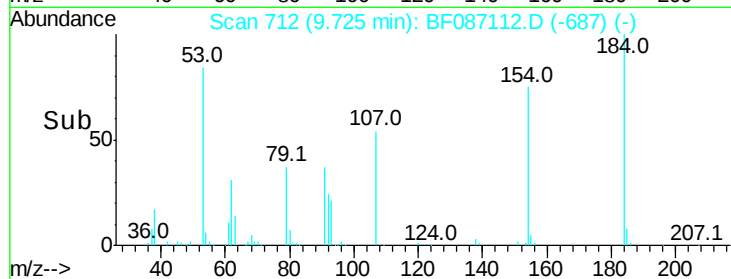
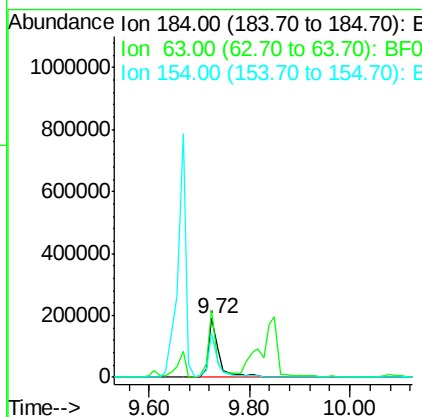
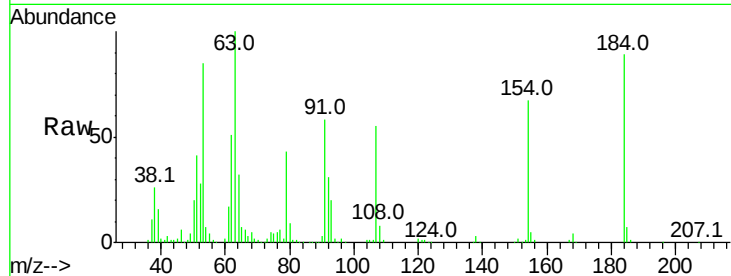
#53
2,4-Dinitrophenol
Concen: 87.84 ng
RT: 9.72 min Scan# 712
Delta R.T. -0.01 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	278974		
63	112.4	55.8	83.8#	
154	75.4	62.4	93.6	

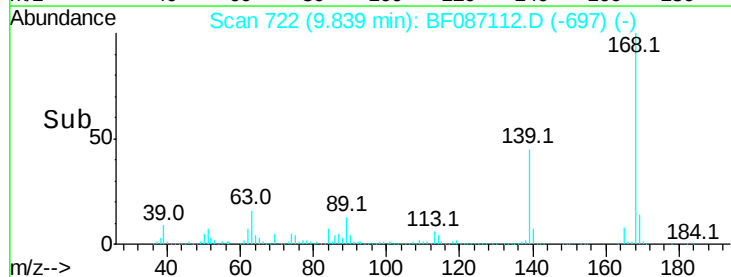
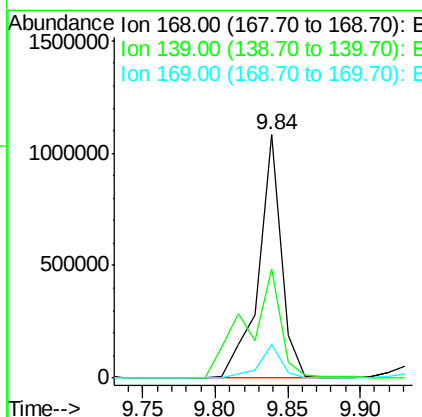
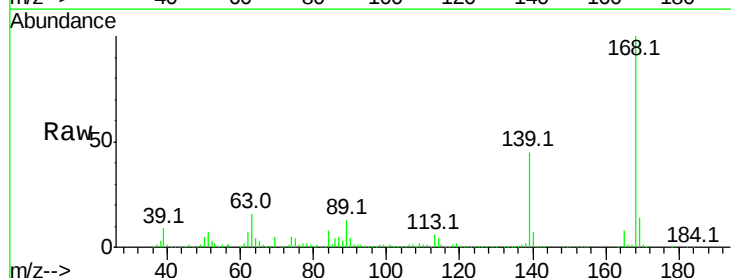
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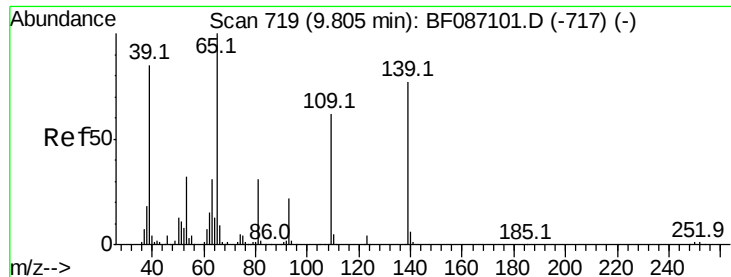
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#54
Dibenzofuran
Concen: 45.11 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1178875		
139	45.0	31.4	47.0	
169	13.9	10.7	16.1	





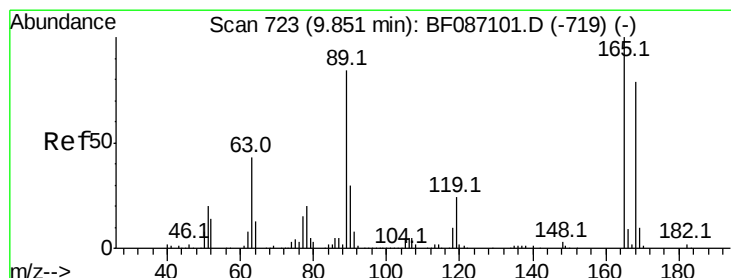
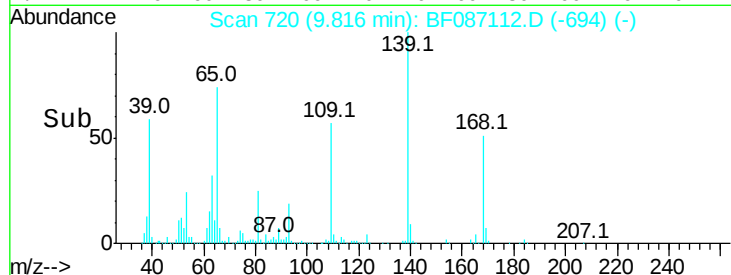
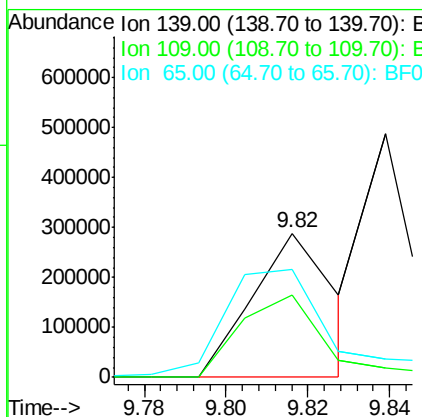
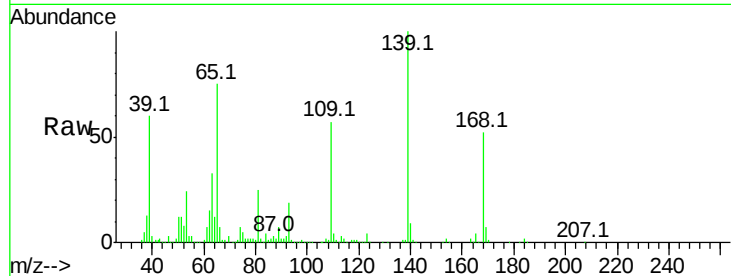
#55
4-Nitrophenol
Concen: 86.53 ng/ml
RT: 9.82 min Scan# 720
Delta R.T. 0.00 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	57.2	36.9	76.9	
65	74.7	64.0	104.0	

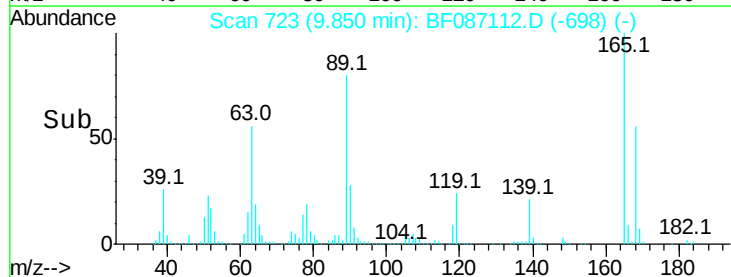
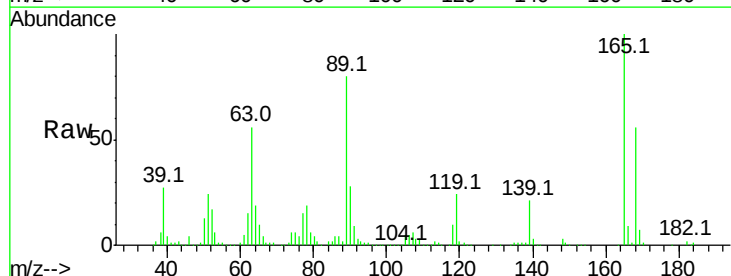
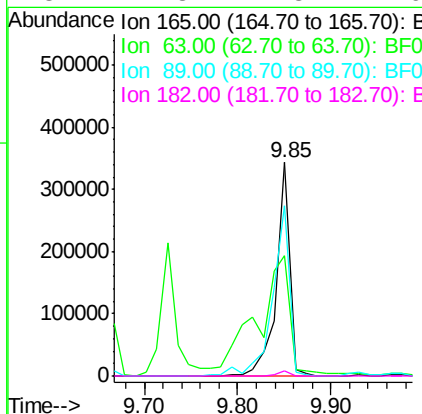
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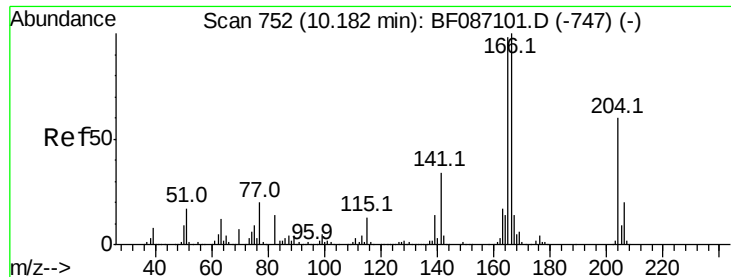
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#56
2,4-Dinitrotoluene
Concen: 48.74 ng/ml
RT: 9.85 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	56.5	44.3	66.5	
89	79.8	70.0	105.0	
182	2.3	1.8	2.6	





#57

Fluorene

Concen: 44.01 ng

RT: 10.18 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

ClientSampleId :

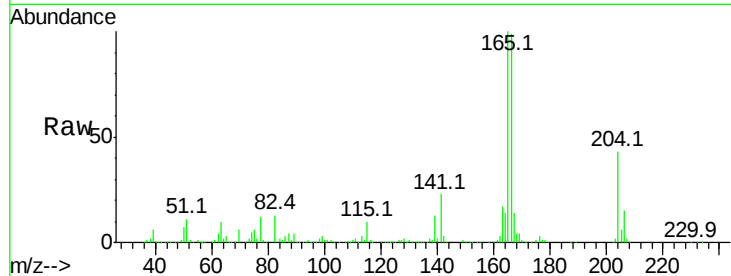
HSR-WC-43-050616MS

Manual Integrations
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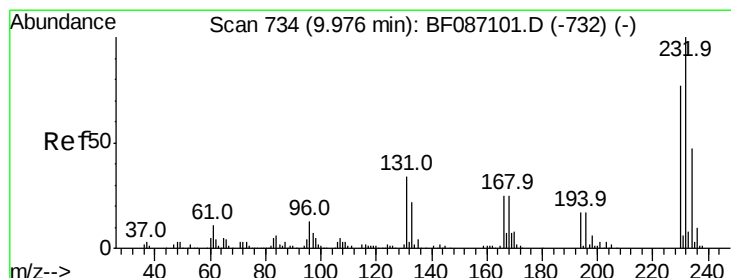
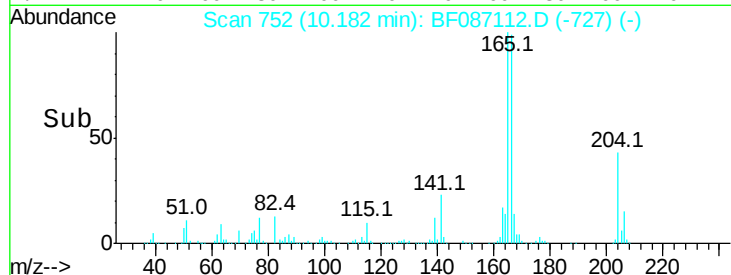
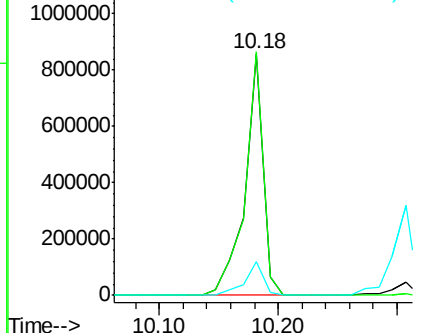
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Tot Ion:	166	Resp:	924036
Ion Ratio	Lower	Upper	
166	100		
165	100.9	79.0	118.6
167	13.7	10.6	15.8



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 48.87 ng

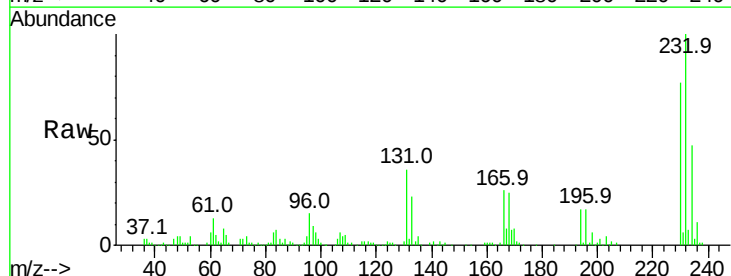
RT: 9.98 min Scan# 734

Delta R.T. -0.01 min

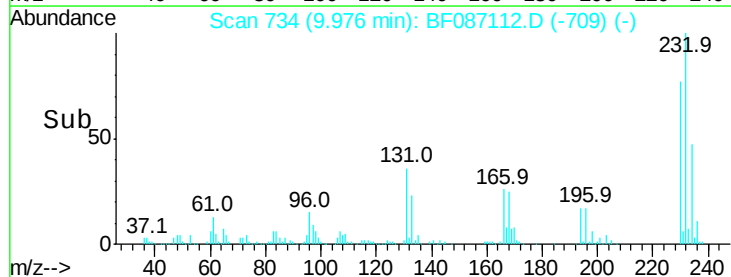
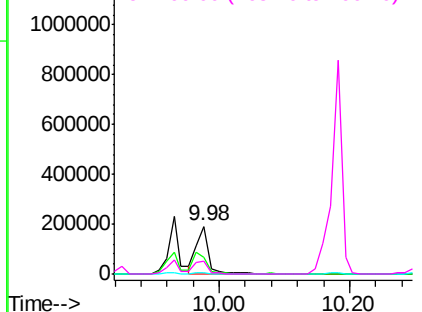
Lab File: BF087112.D

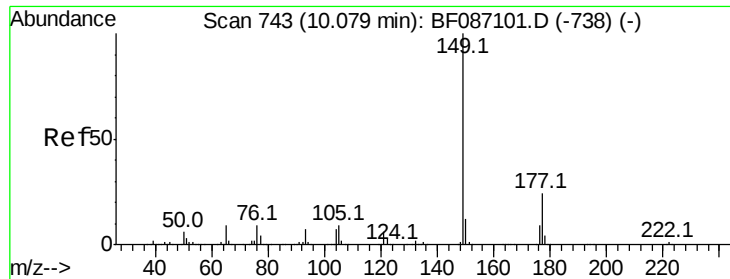
Acq: 17 May 2016 20:01

Tgt Ion:	232	Resp:	249211
Ion Ratio	Lower	Upper	
232	100		
131	53.4	41.9	62.9
130	2.6	2.2	3.4
166	32.4	26.8	40.2



Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





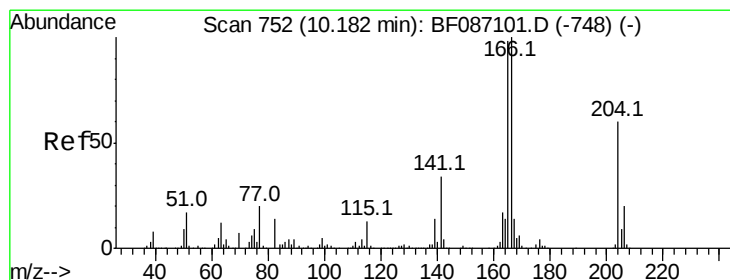
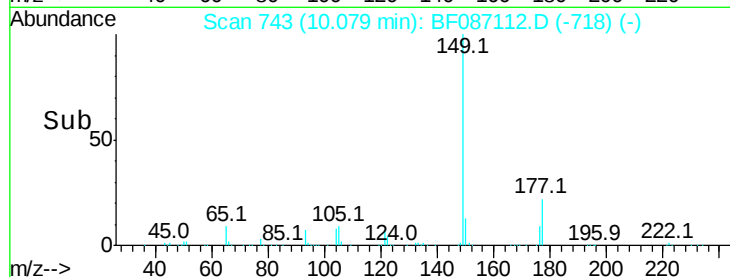
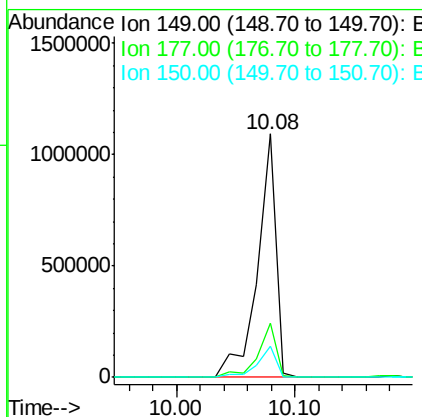
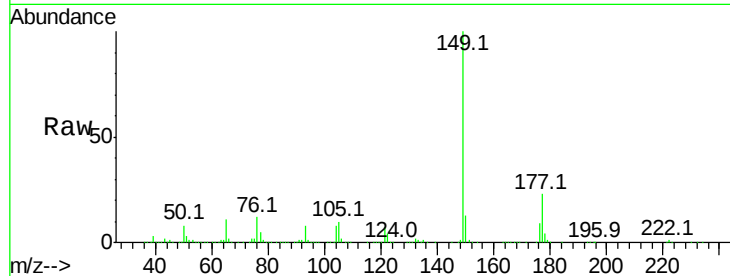
#59
Diethylphthalate
Concen: 49.08 ng
RT: 10.08 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	1189361		
177	22.5	16.6	24.8	
150	12.9	10.0	15.0	

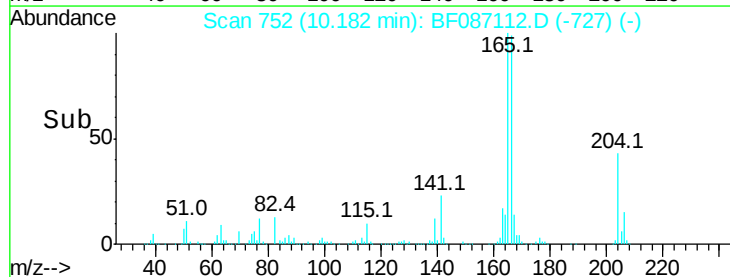
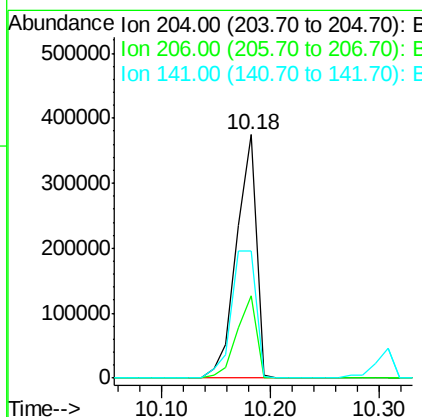
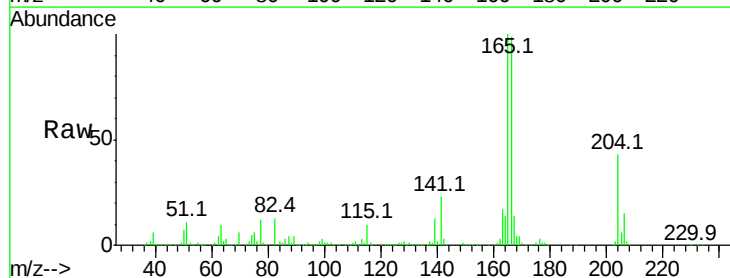
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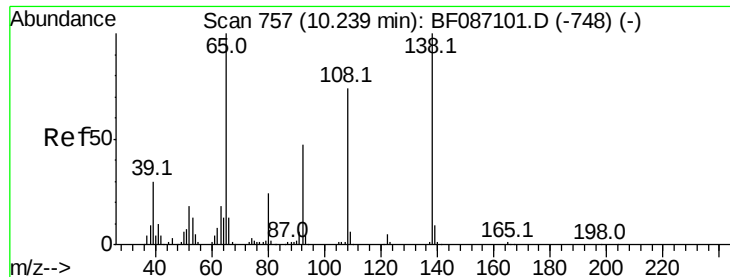
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#60
4-Chlorophenyl-phenylether
Concen: 47.11 ng
RT: 10.18 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	468882		
206	33.6	25.4	38.0	
141	52.3	61.6	92.4#	





#61

4-Nitroaniline

Concen: 39.15 ng

RT: 10.23 min Scan# 756

Delta R.T. -0.02 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

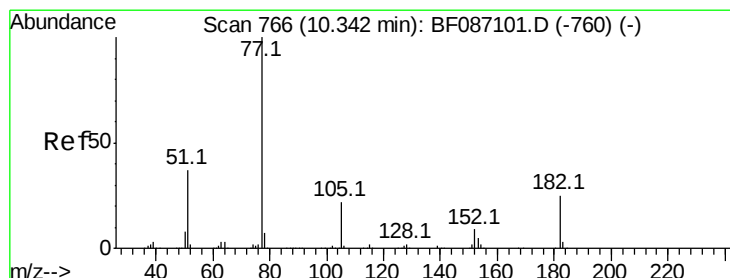
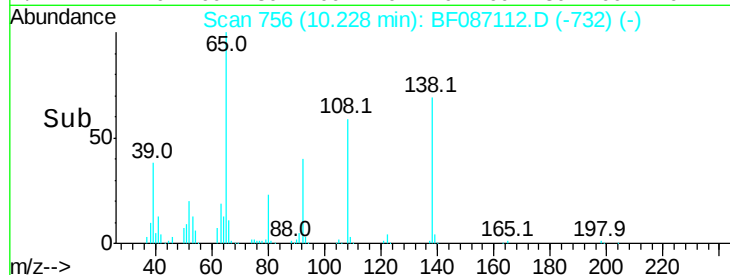
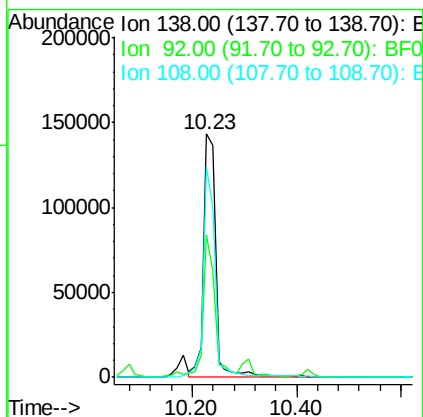
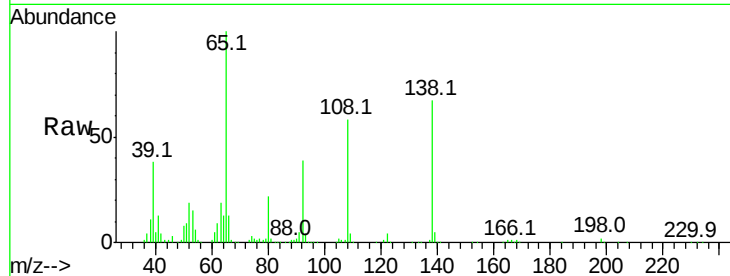
ClientSampleId :

HSR-WC-43-050616MS

Tot Ion:	138	Resp:	230670
Ion Ratio	Lower	Upper	
138	100		
92	58.3	24.7	64.7
108	86.5	37.4	77.4#

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#62

Azobenzene

Concen: 47.46 ng

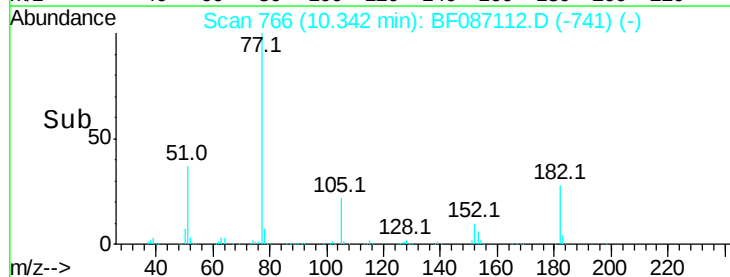
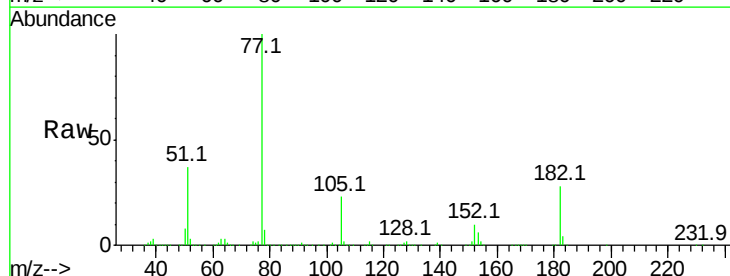
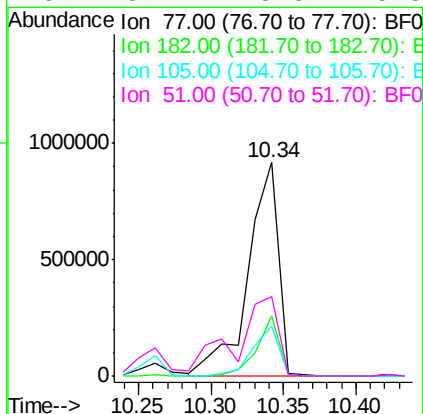
RT: 10.34 min Scan# 766

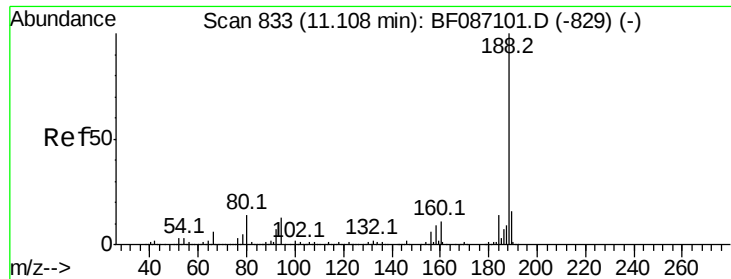
Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Tgt Ion:	77	Resp:	1325270
Ion Ratio	Lower	Upper	
77	100		
182	27.9	0.0	38.8
105	23.2	3.2	43.2
51	37.4	8.8	48.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.11 min Scan# 833

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

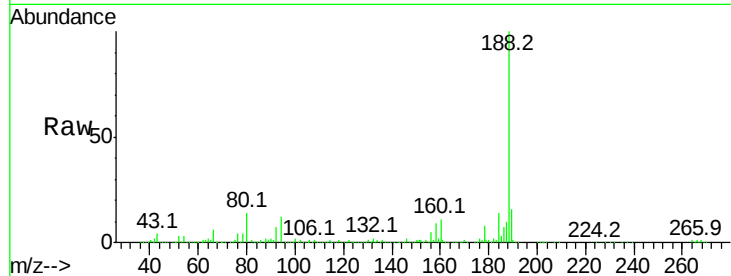
ClientSampleId :

HSR-WC-43-050616MS

Tot Ion:	188	Resp:	603663
Ion Ratio	Lower	Upper	
188	100		
94	11.9	6.8	10.2#
80	13.6	7.1	10.7#

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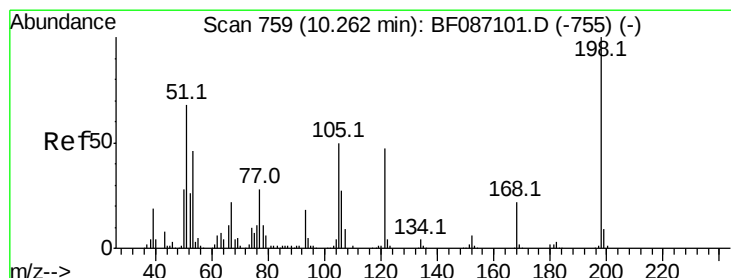
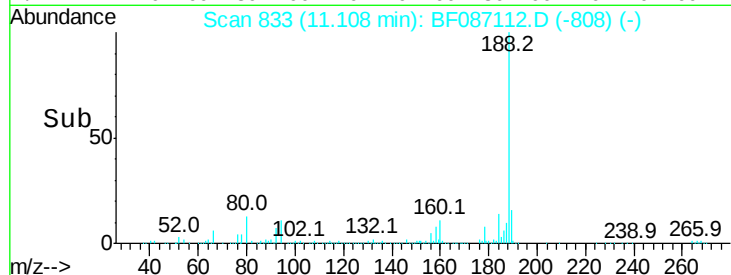
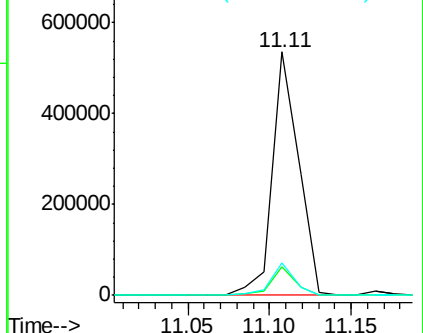
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Abundance Ion 188.00 (187.70 to 188.70): E

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: 48.94 ng

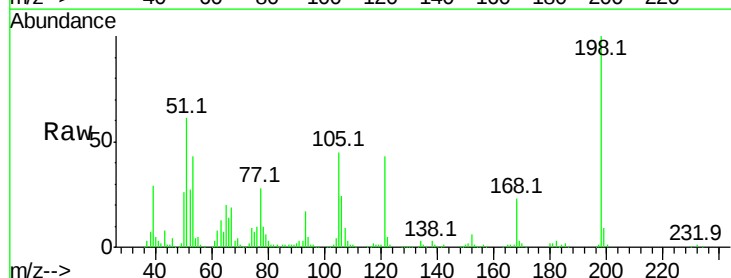
RT: 10.26 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

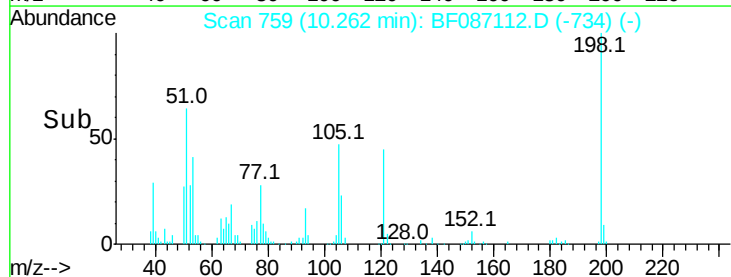
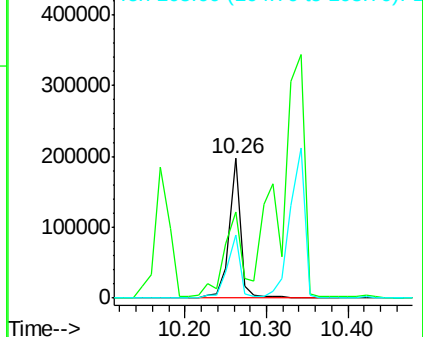
Tgt Ion:	198	Resp:	194588
Ion Ratio	Lower	Upper	
198	100		
51	61.3	20.5	60.5#
105	44.7	24.5	64.5

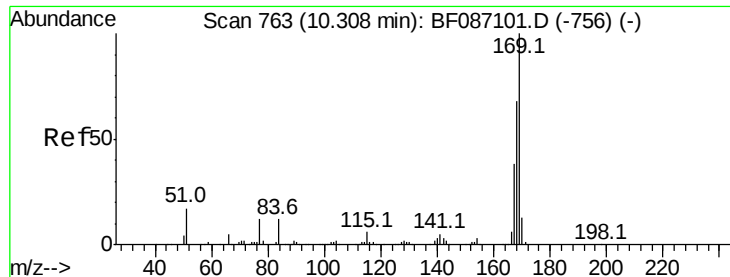


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 49.98 ng

RT: 10.31 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

ClientSampleId :

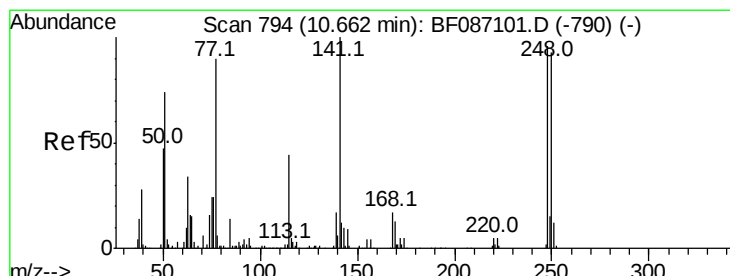
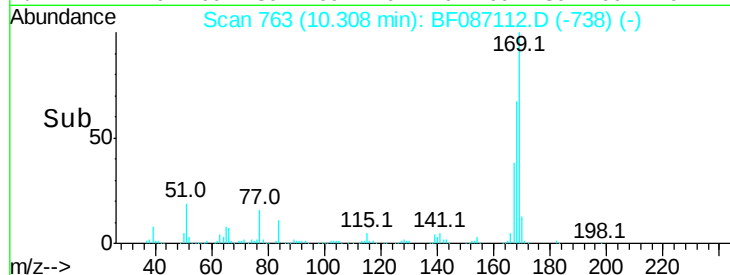
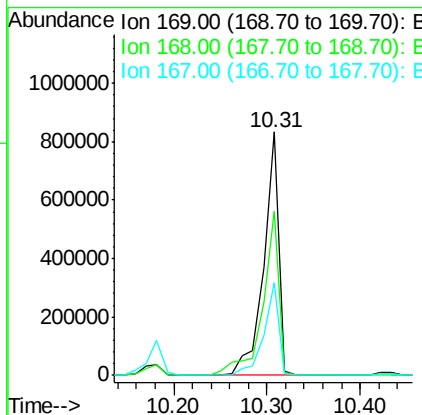
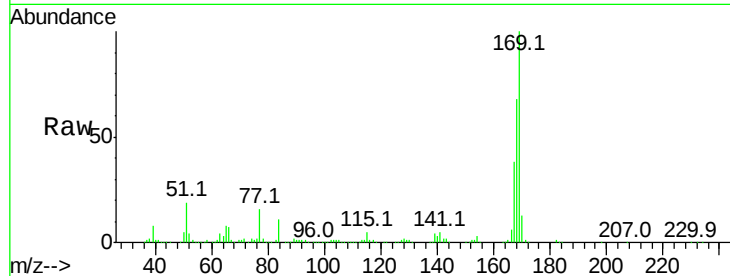
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Tot Ion:	169	Resp:	949495
Ion Ratio	Lower	Upper	
169	100		
168	67.6	53.8	80.6
167	38.1	29.5	44.3



#66

4-Bromophenyl-phenylether

Concen: 44.76 ng

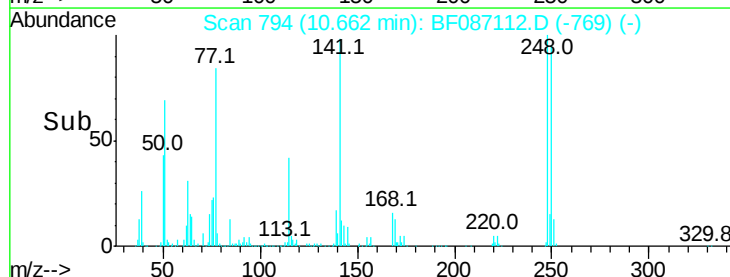
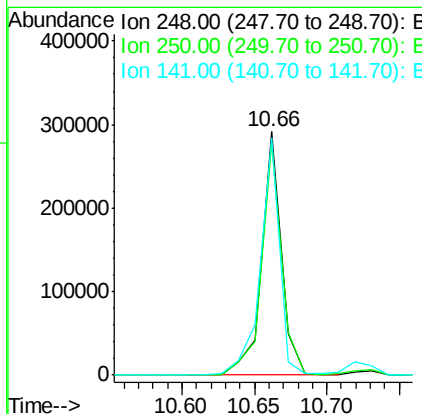
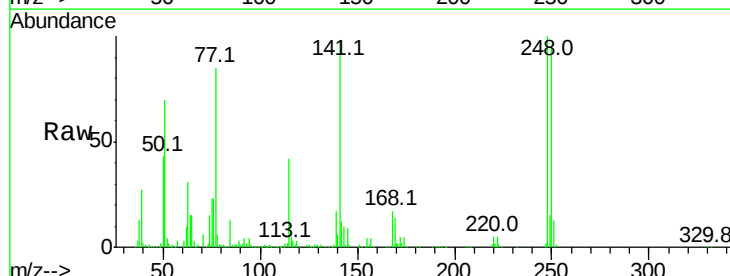
RT: 10.66 min Scan# 794

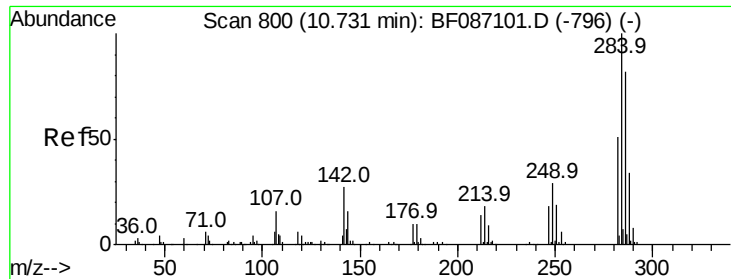
Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Tgt Ion:	248	Resp:	277865
Ion Ratio	Lower	Upper	
248	100		
250	95.3	78.6	117.8
141	97.7	76.0	114.0





#67

Hexachlorobenzene

Concen: 48.87 ng

RT: 10.73 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

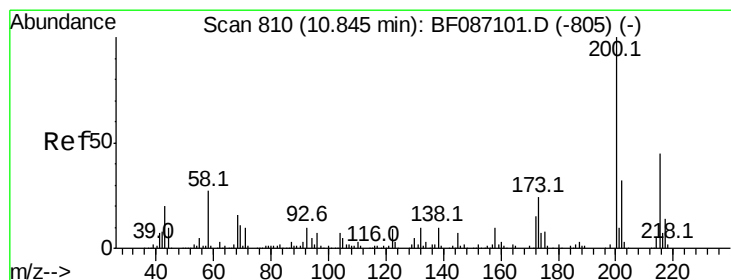
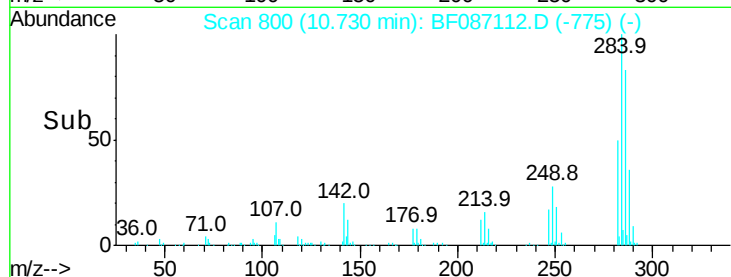
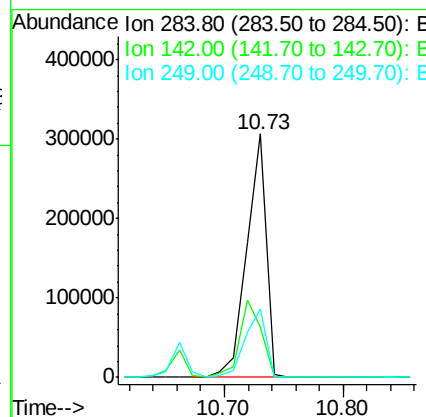
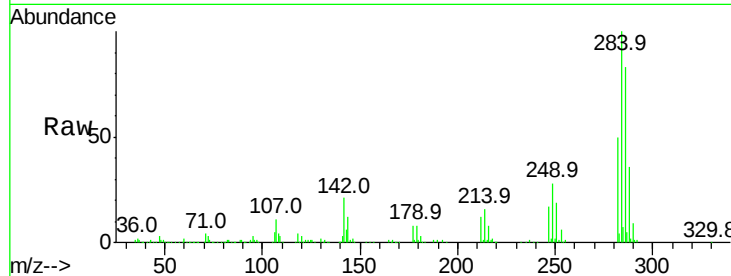
ClientSampleId :

HSR-WC-43-050616MS

Tot Ion:	284	Resp:	351699
Ion Ratio	Lower	Upper	
284	100		
142	20.8	16.7	25.1
249	27.9	21.3	31.9

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#68

Atrazine

Concen: 46.68 ng

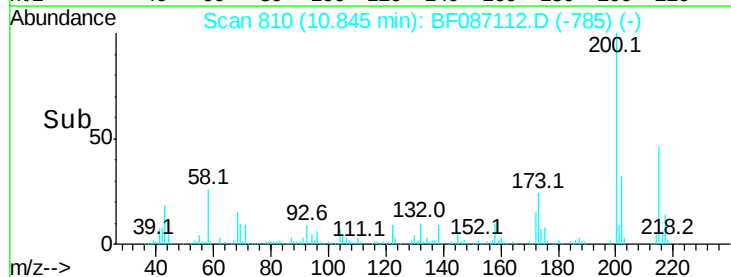
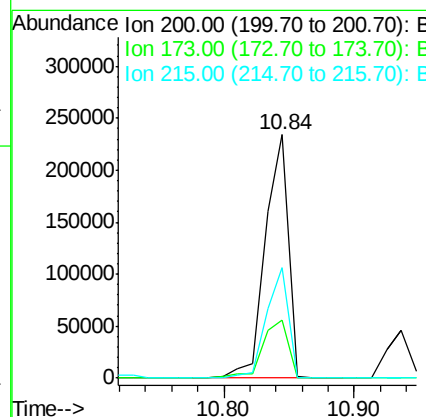
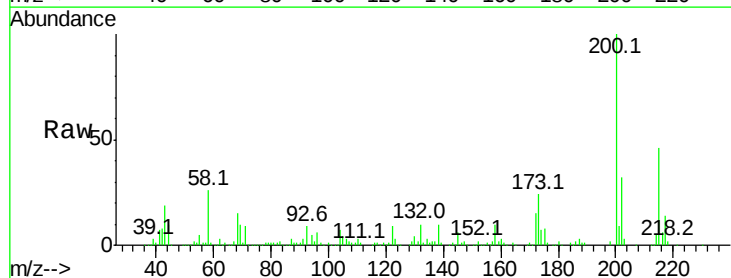
RT: 10.84 min Scan# 810

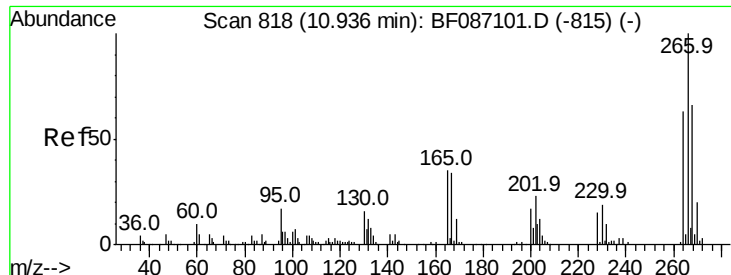
Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Tgt Ion:	200	Resp:	289281
Ion Ratio	Lower	Upper	
200	100		
173	23.8	8.5	48.5
215	45.6	27.2	67.2





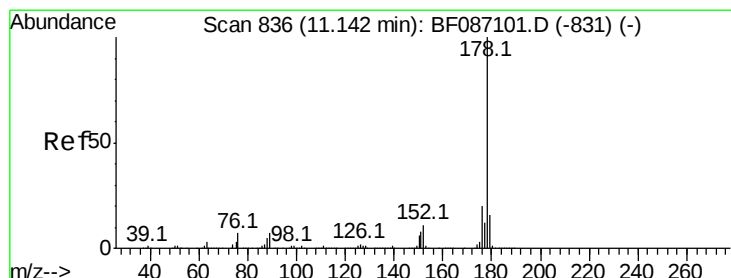
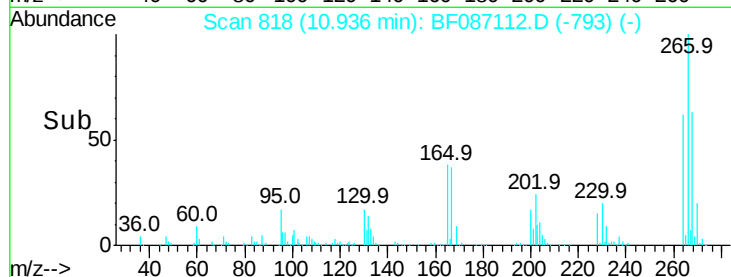
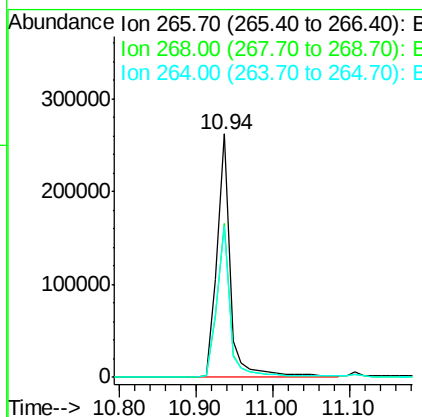
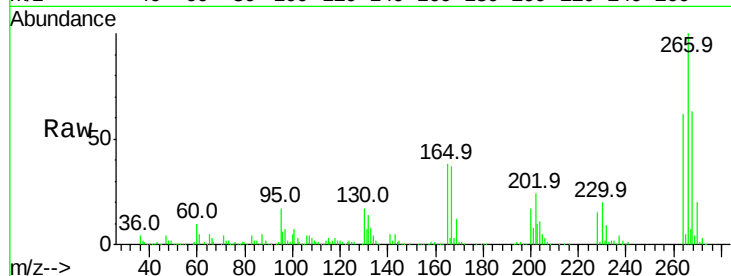
#69
 Pentachlorophenol
 Concen: 119.24 ng
 RT: 10.94 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BF087112.D
 Acq: 17 May 2016 20:01

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

Tot Ion	Ratio	Resp	Lower	Upper
266	100	322388		
268	63.4		51.5	77.3
264	62.3		52.9	79.3

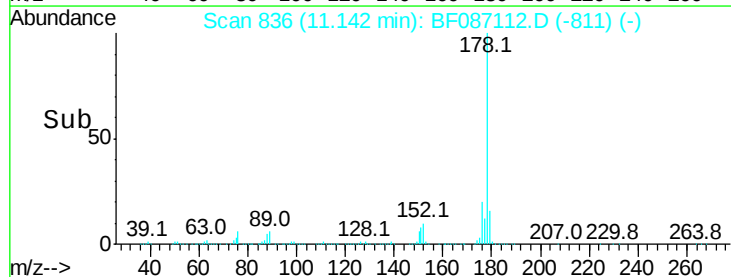
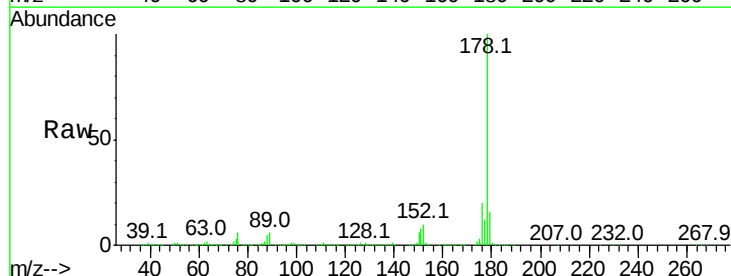
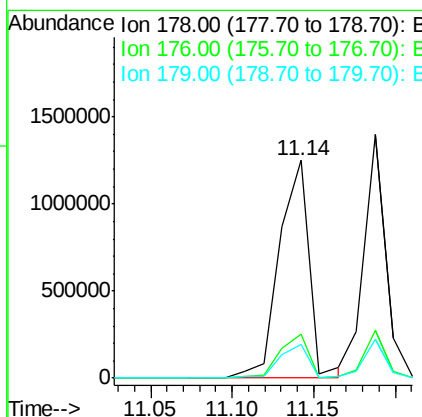
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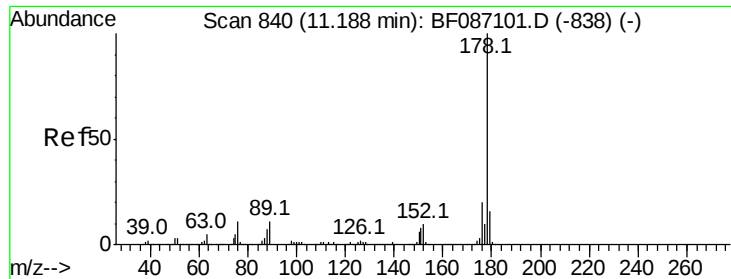
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#70
 Phenanthrene
 Concen: 48.74 ng
 RT: 11.14 min Scan# 836
 Delta R.T. -0.01 min
 Lab File: BF087112.D
 Acq: 17 May 2016 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1595894		
176	20.2		16.0	24.0
179	15.7		12.6	18.8





#71
 Anthracene
 Concen: 39.86 ng
 RT: 11.19 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BF087112.D
 Acq: 17 May 2016 20:01

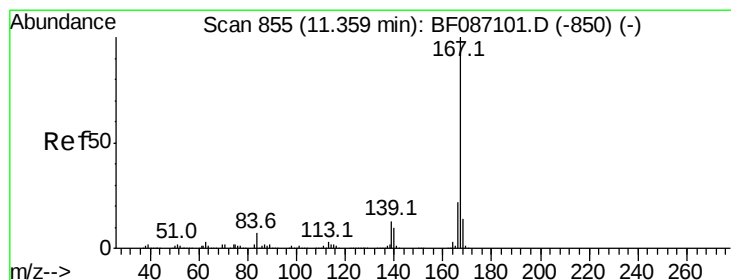
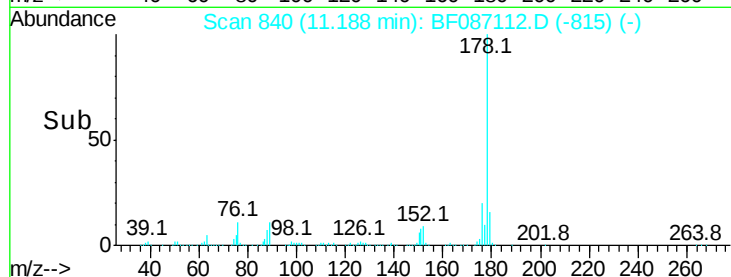
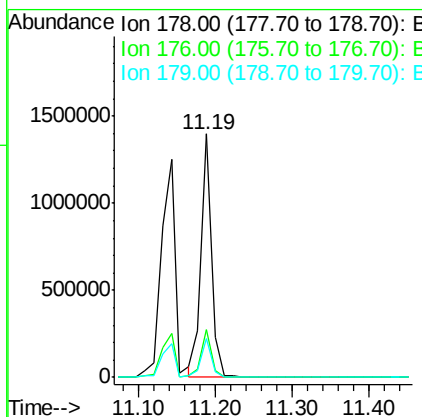
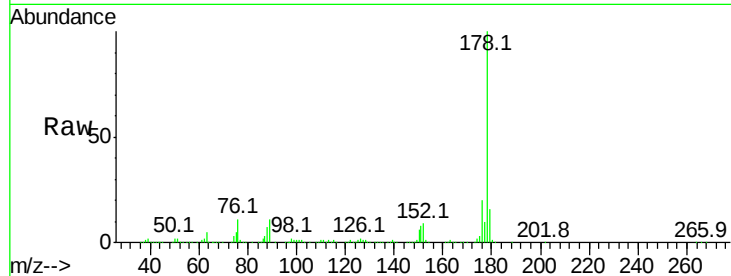
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

Tot Ion:178 Resp: 1319842

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.6	23.4
179	16.0	12.7	19.1

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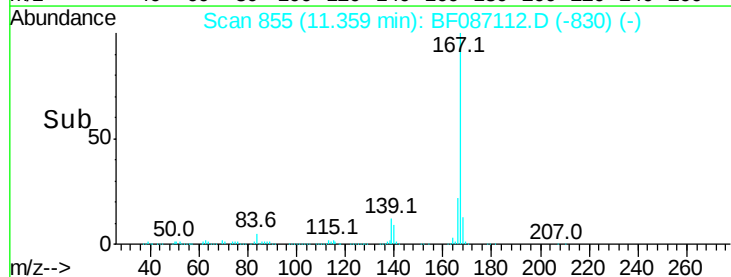
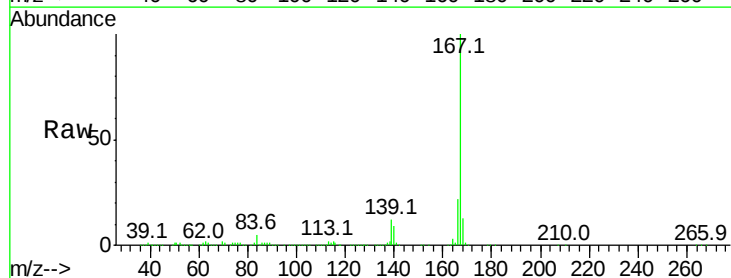
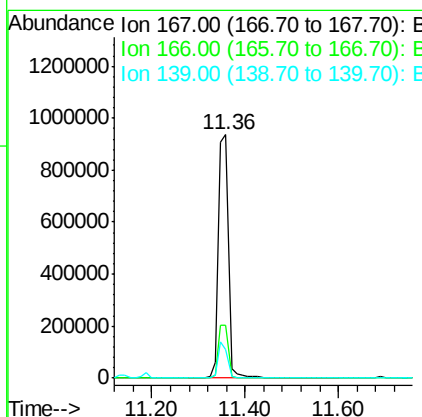
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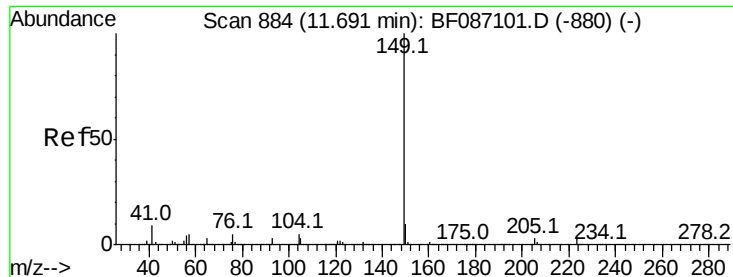


#72
 Carbazole
 Concen: 45.47 ng
 RT: 11.36 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: BF087112.D
 Acq: 17 May 2016 20:01

Tgt Ion:167 Resp: 1375430

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.7	26.5
139	11.8	10.8	16.2





#73

Di-n-butylphthalate

Concen: 50.83 ng

RT: 11.69 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

ClientSampleId :

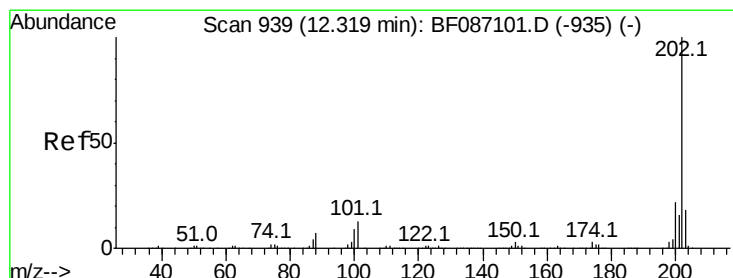
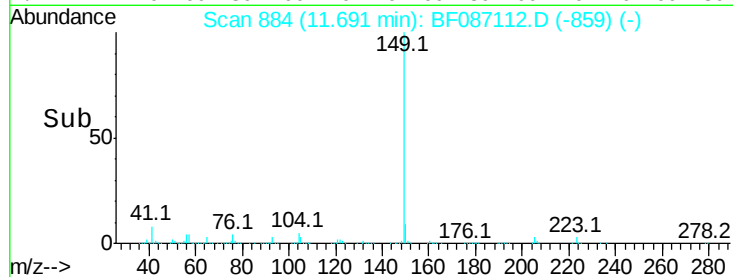
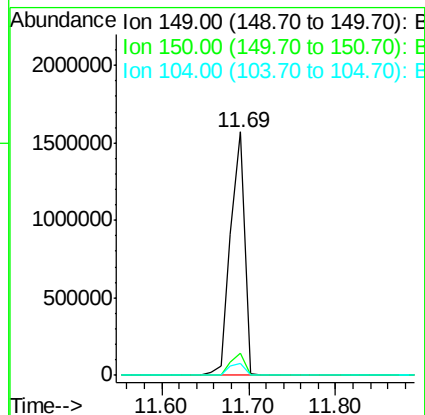
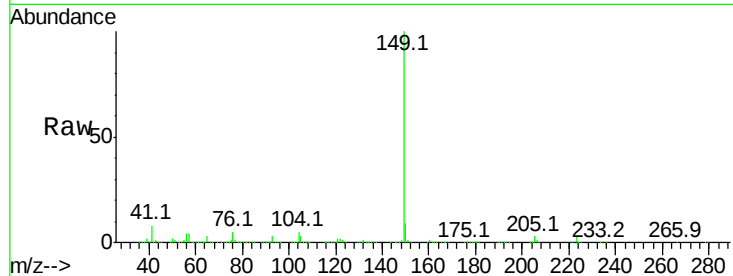
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Tot Ion:	149	Resp:	1766229
Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.6	11.4
104	4.9	3.8	5.6



#74

Fluoranthene

Concen: 46.62 ng

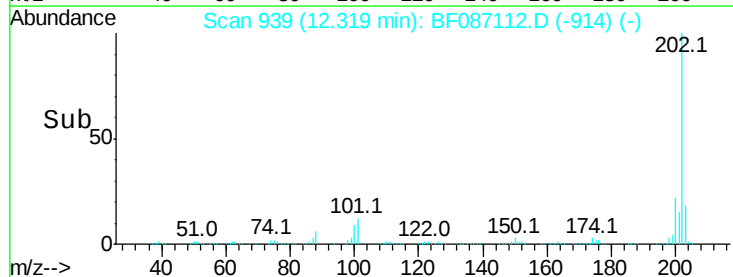
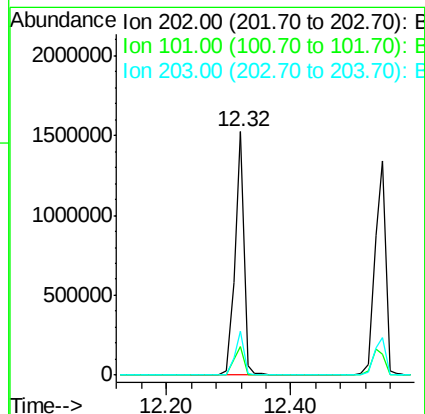
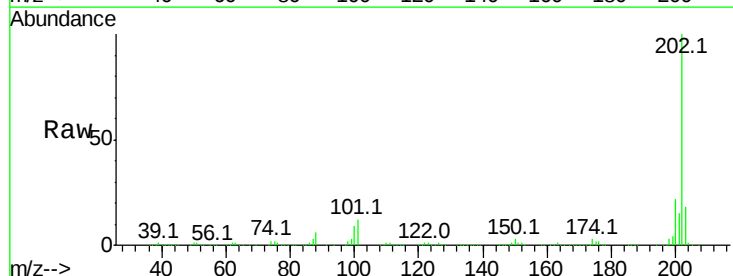
RT: 12.32 min Scan# 939

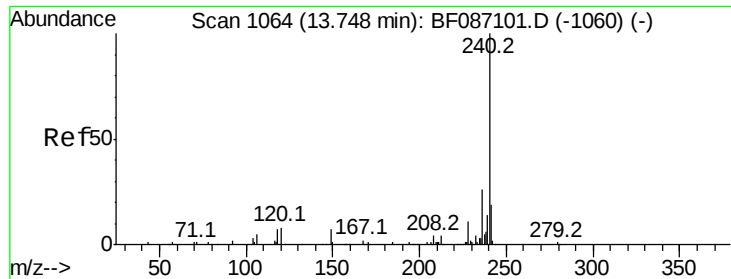
Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Tgt Ion:	202	Resp:	1529138
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	35.4
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

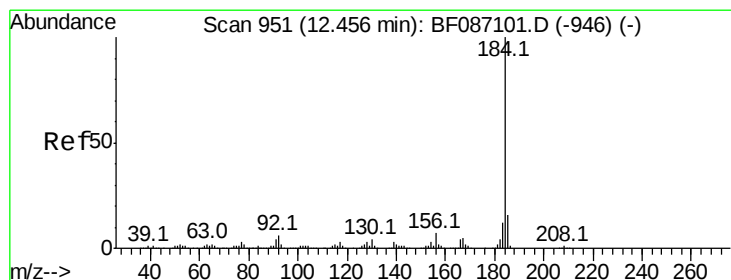
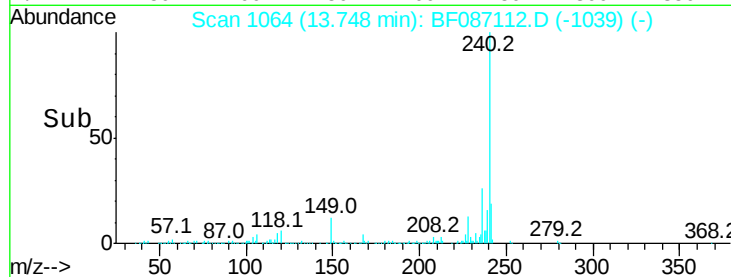
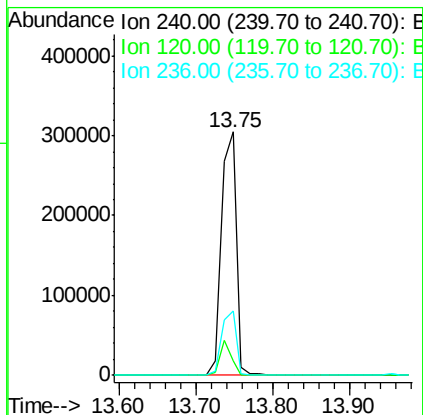
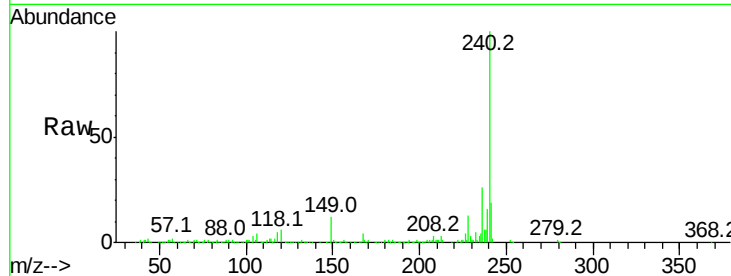
ClientSampleId :

HSR-WC-43-050616MS

Tot Ion:	240	Resp:	418862
Ion Ratio	Lower	Upper	
240	100		
120	6.1	11.2	16.8#
236	26.3	21.2	31.8

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#76

Benzidine

Concen: 3.31 ng

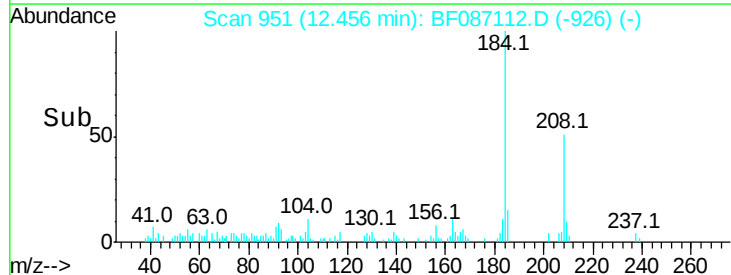
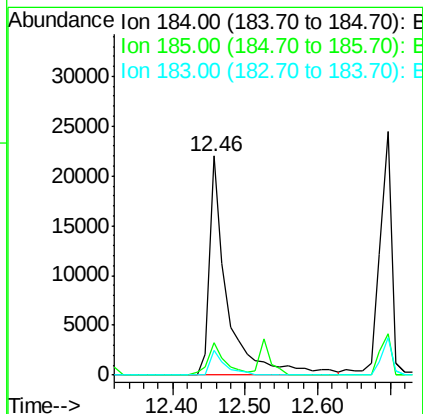
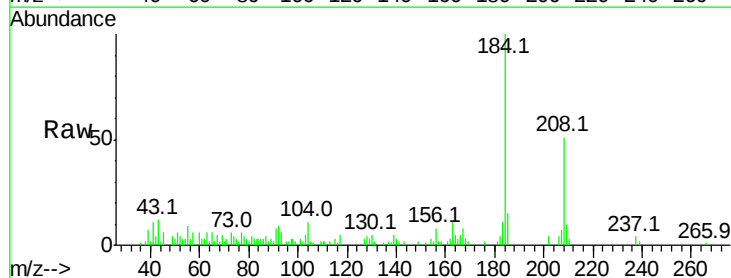
RT: 12.46 min Scan# 951

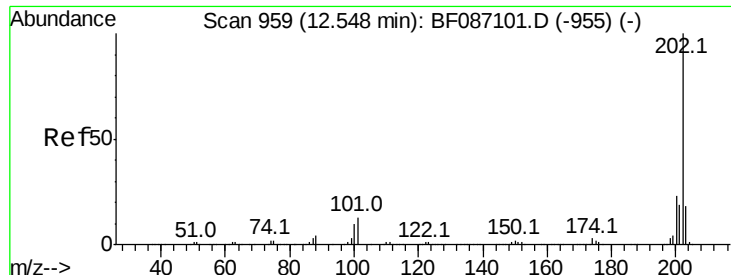
Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Tgt Ion:	184	Resp:	37335
Ion Ratio	Lower	Upper	
184	100		
185	14.8	13.6	20.4
183	11.5	9.8	14.6





#77

Pvrene

Concen: 52.86 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

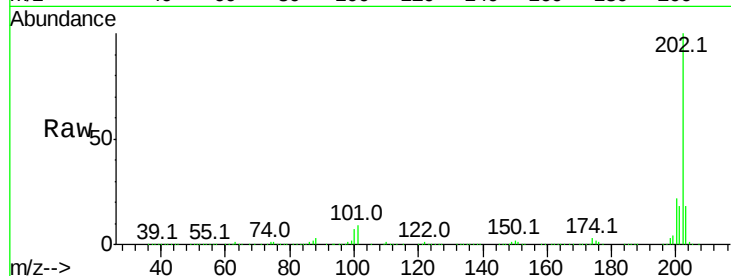
ClientSampleId :

HSR-WC-43-050616MS

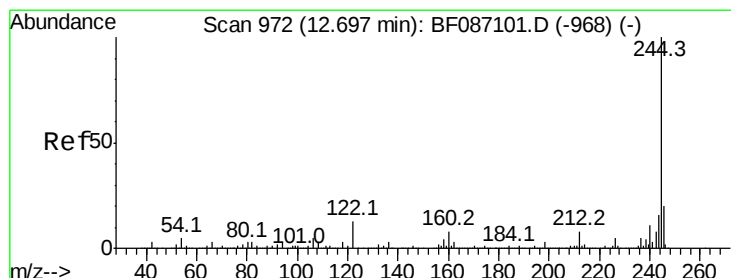
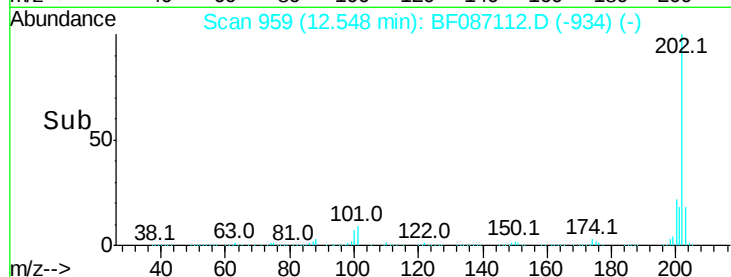
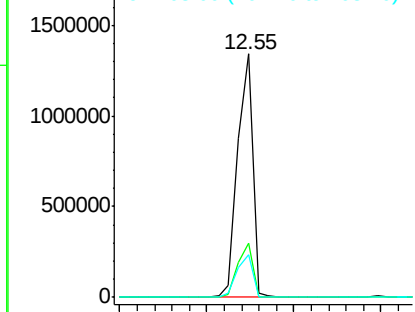
Tot Ion:	202	Resp:	1599373
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.7	26.5
203	17.6	14.2	21.4

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 90.44 ng

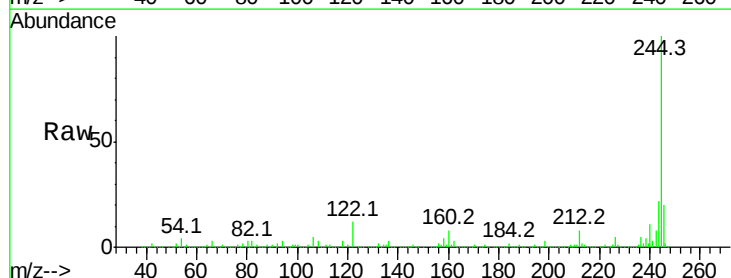
RT: 12.70 min Scan# 972

Delta R.T. -0.01 min

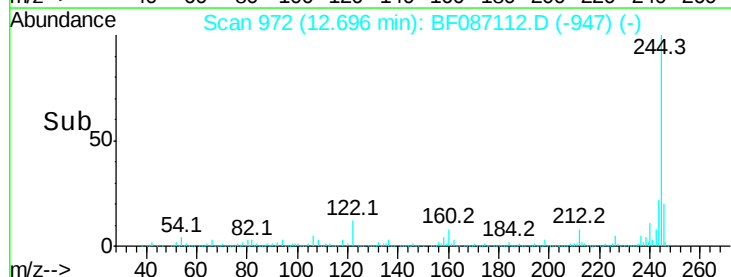
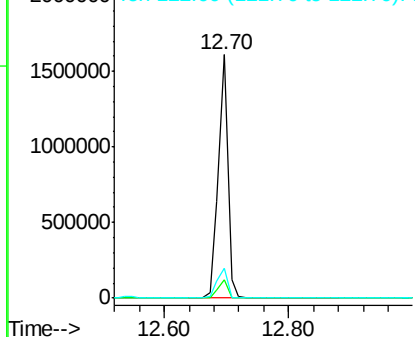
Lab File: BF087112.D

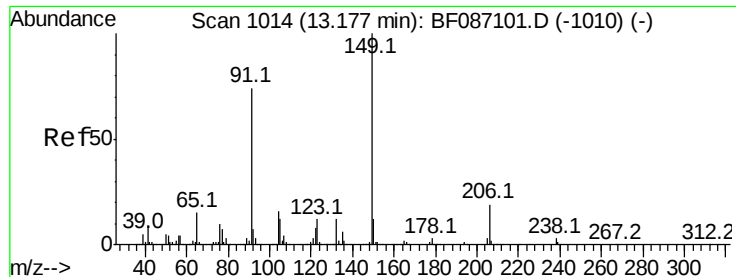
Acq: 17 May 2016 20:01

Tgt Ion:	244	Resp:	1674672
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.2	9.2
122	12.5	12.0	18.0



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





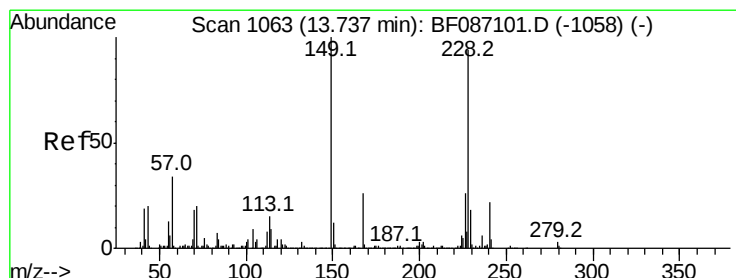
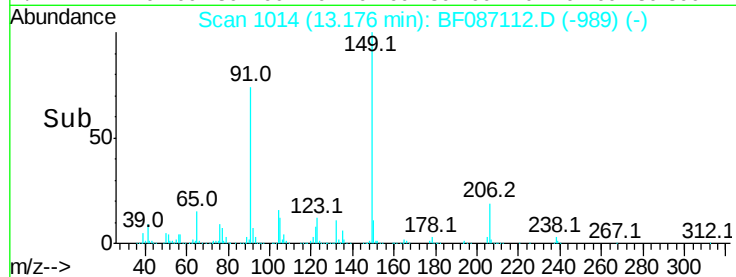
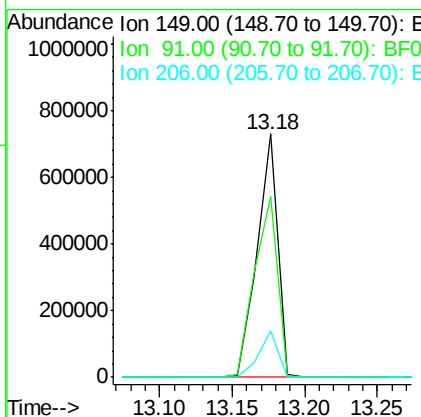
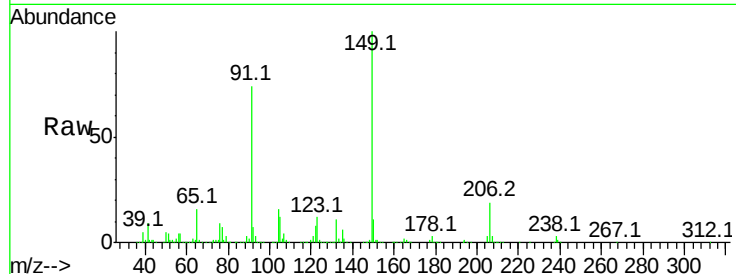
#79
 Butylbenzylphthalate
 Concen: 56.60 ng
 RT: 13.18 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BF087112.D
 Acq: 17 May 2016 20:01

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

Tot Ion	Ratio	Lower	Upper
149	100		
91	74.3	48.0	72.0#
206	19.4	15.8	23.6

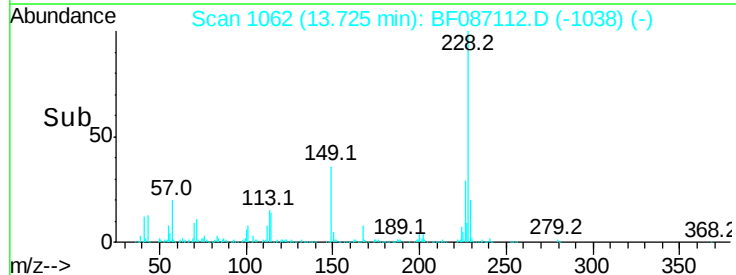
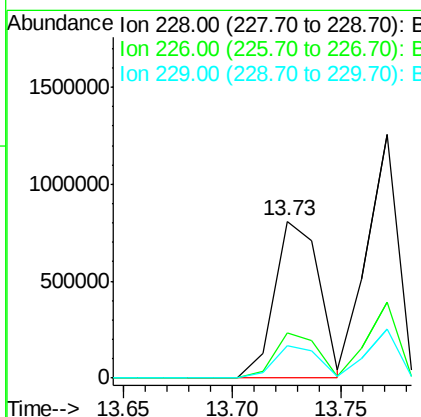
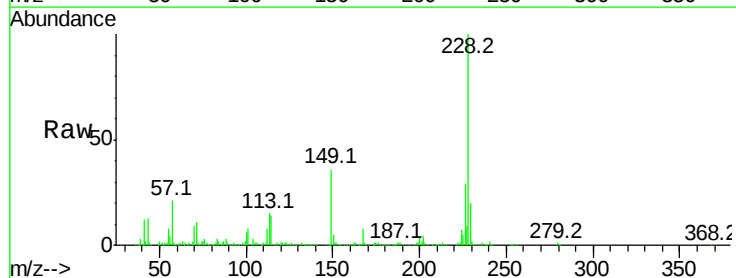
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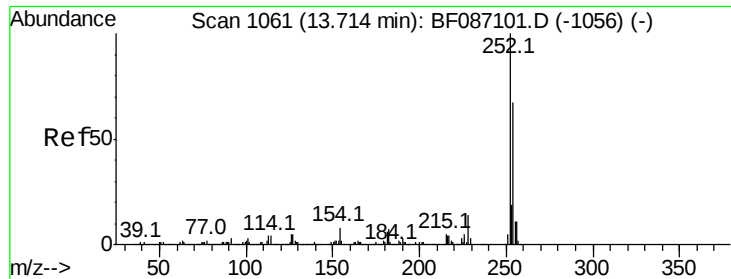
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#80
 Benzo(a)anthracene
 Concen: 47.69 ng
 RT: 13.73 min Scan# 1062
 Delta R.T. -0.02 min
 Lab File: BF087112.D
 Acq: 17 May 2016 20:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.5	33.7
229	20.4	16.6	25.0





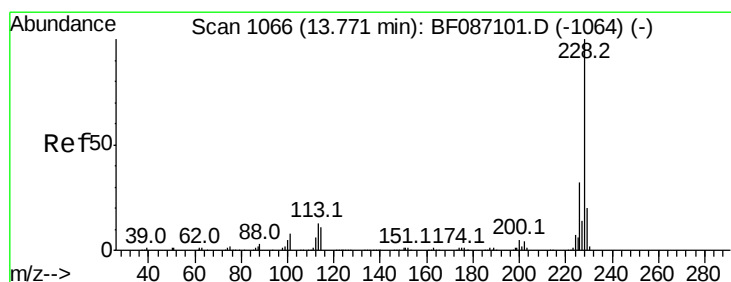
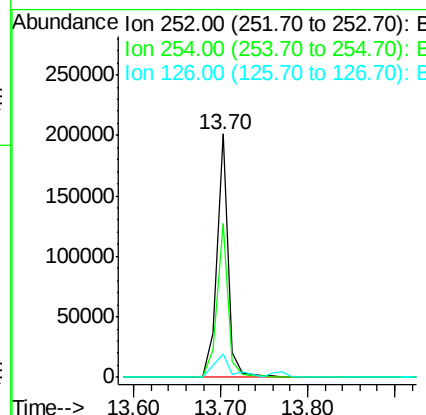
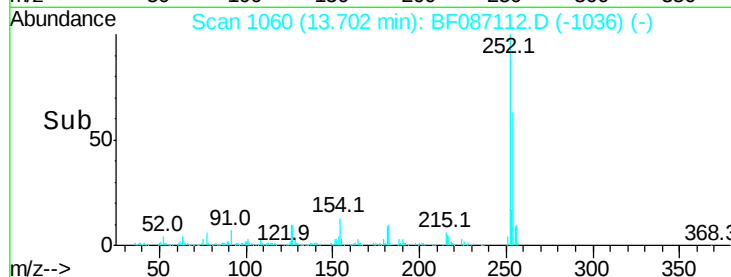
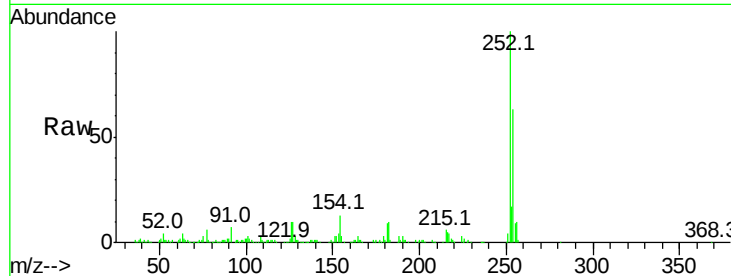
#81
 3,3'-Dichlorobenzidine
 Concen: 12.01 ng
 RT: 13.70 min Scan# 1060
 Delta R.T. -0.02 min
 Lab File: BF087112.D
 Acq: 17 May 2016 20:01

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

Tot Ion	Ratio	Lower	Upper
252	100		
254	63.4	50.7	76.1
126	9.7	12.7	19.1#

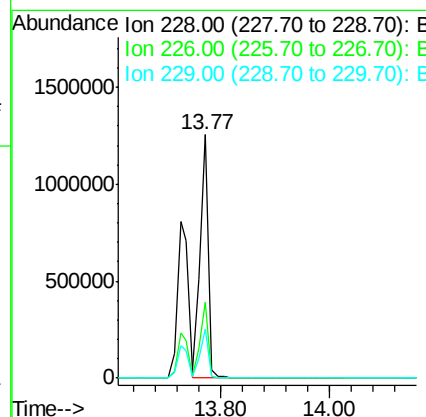
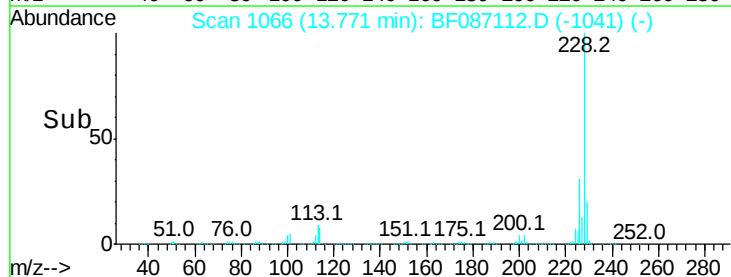
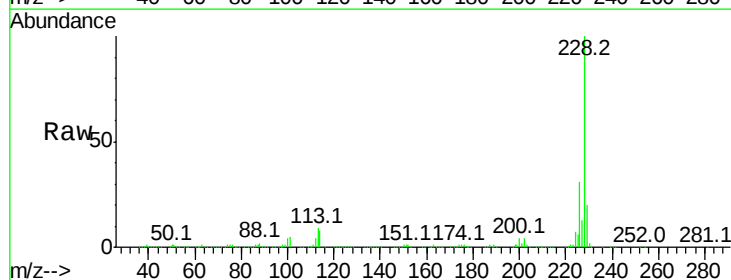
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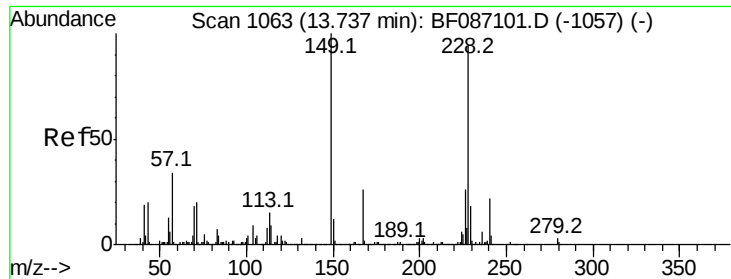
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#82
 Chrysene
 Concen: 54.09 ng
 RT: 13.77 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: BF087112.D
 Acq: 17 May 2016 20:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.4	36.6
229	20.1	15.8	23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 56.16 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

Tot Ion:149 Resp: 873166

Ion Ratio Lower Upper

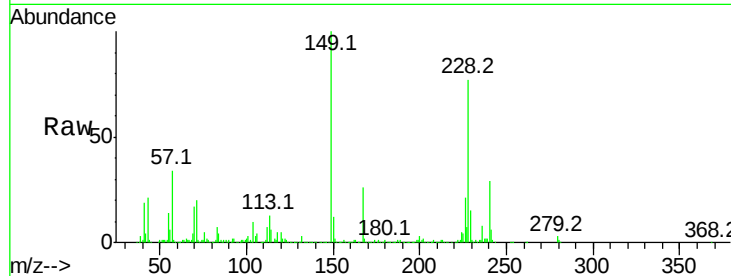
149 100

167 26.0 21.8 32.6

279 3.5 2.6 4.0

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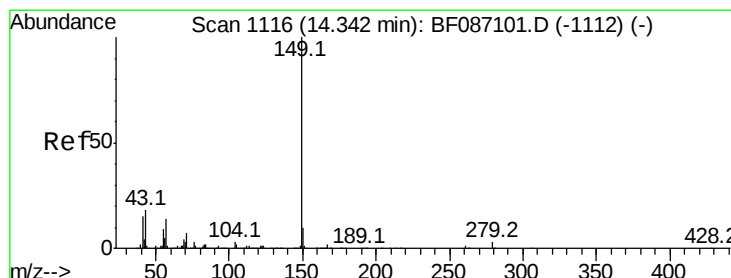
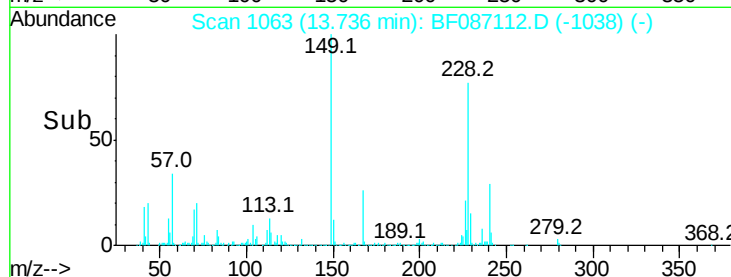
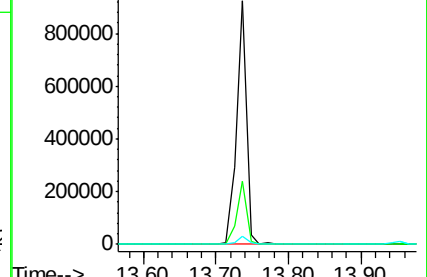
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 54.67 ng

RT: 14.34 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

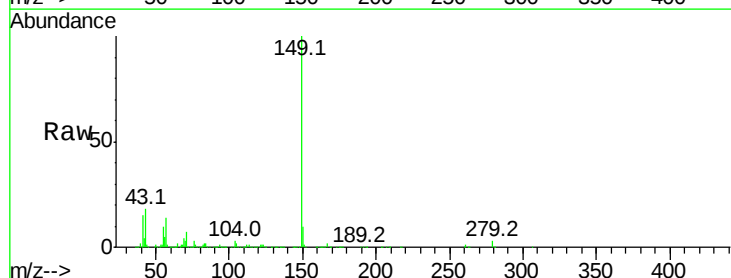
Tgt Ion:149 Resp: 1464092

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

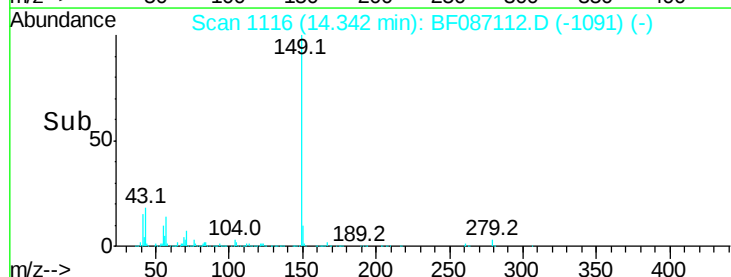
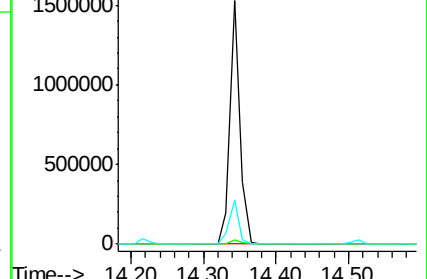
43 17.1 8.2 12.4#

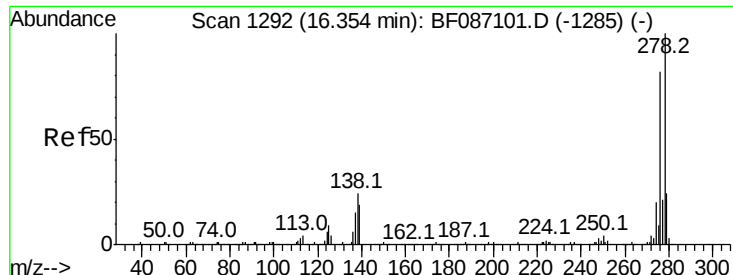


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





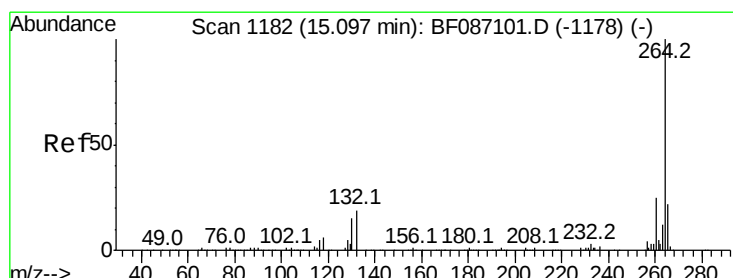
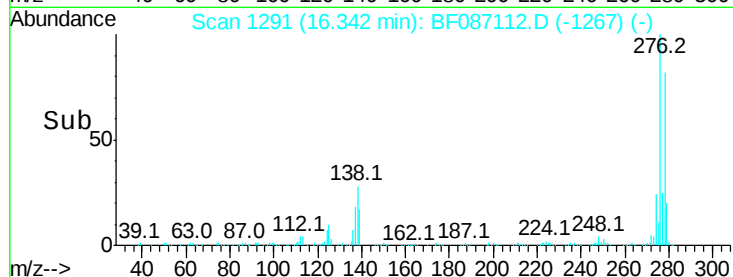
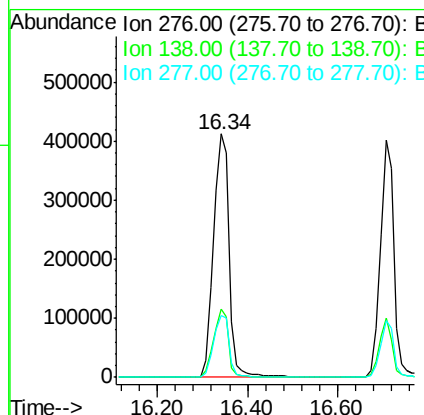
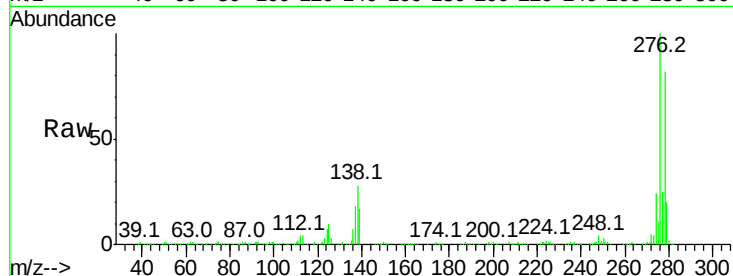
#85
Indeno(1,2,3-cd)pyrene
Concen: 48.69 ng
RT: 16.34 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.9	25.6	38.4
277	25.4	20.5	30.7

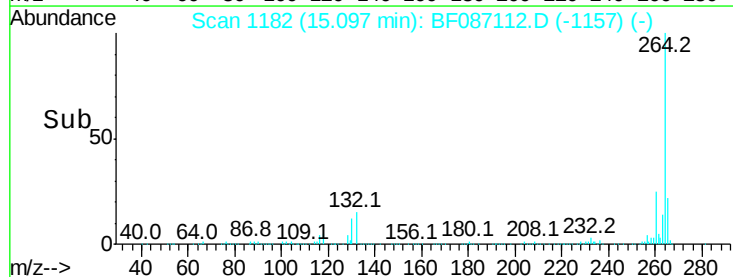
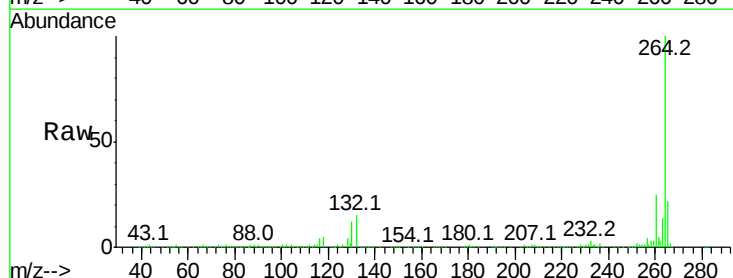
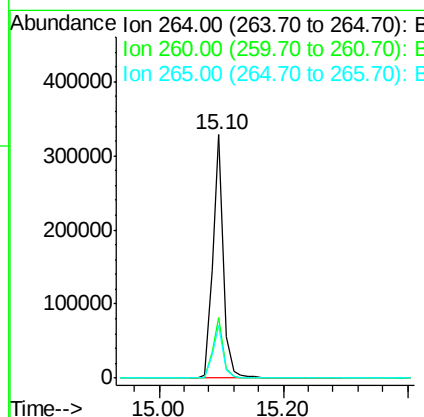
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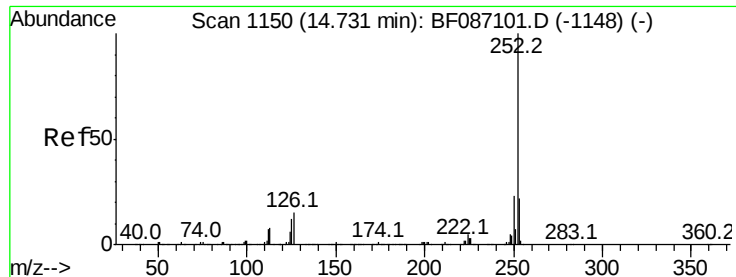
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	21.8	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 42.50 ng m

RT: 14.73 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Instrument :

BNA_F

ClientSampleId :

HSR-WC-43-050616MS

Tot Ion:252 Resp: 1078261

Ion Ratio Lower Upper

252 100

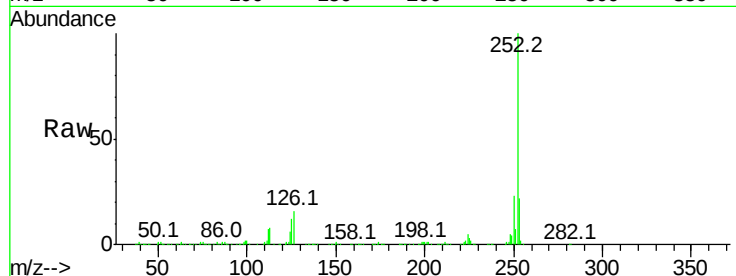
253 22.3 17.8 26.6

125 11.8 11.4 17.0

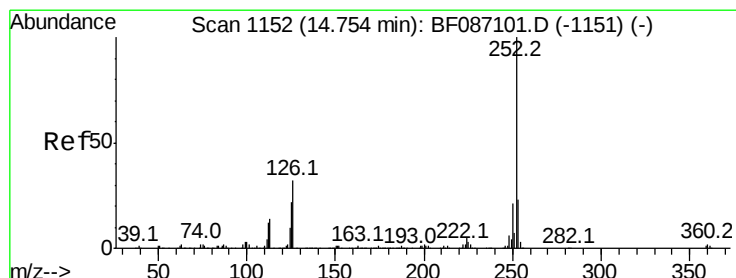
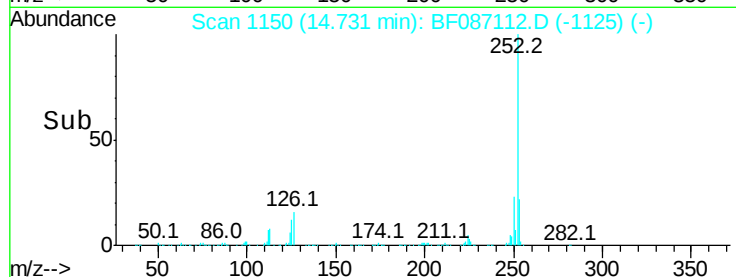
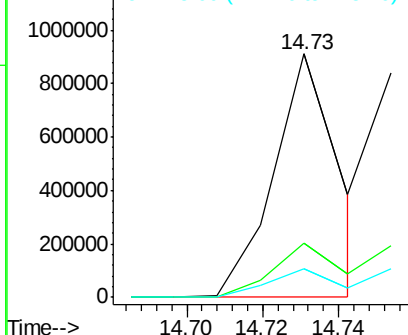
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 53.32 ng m

RT: 14.75 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BF087112.D

Acq: 17 May 2016 20:01

Tgt Ion:252 Resp: 1007120

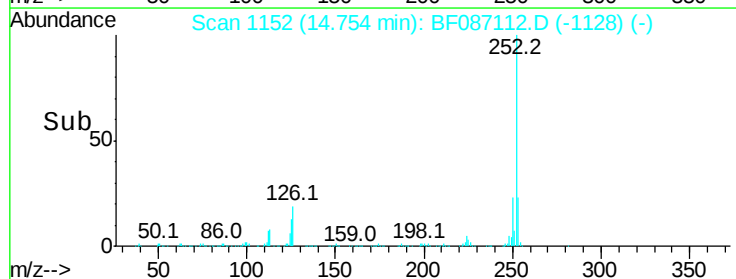
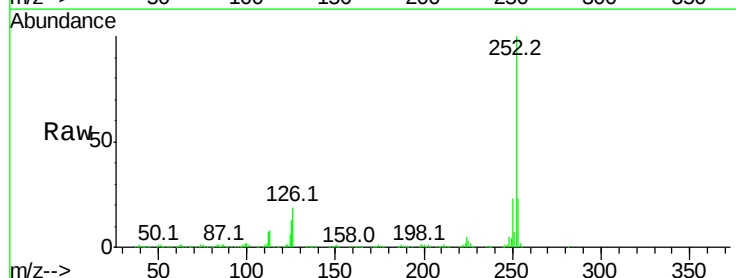
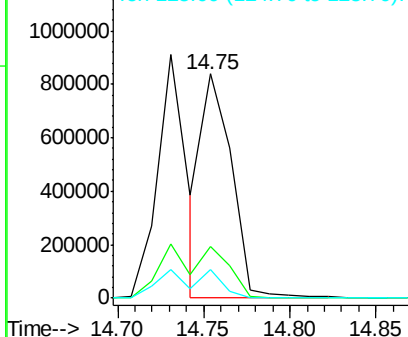
Ion Ratio Lower Upper

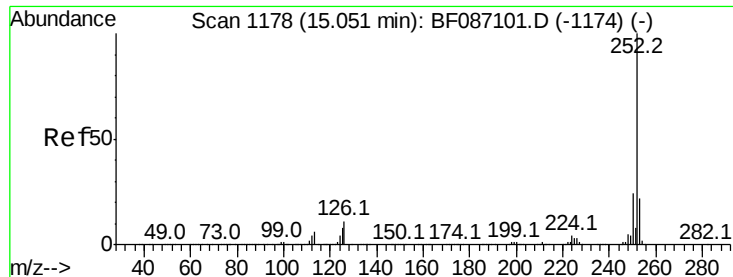
252 100

253 22.9 17.8 26.6

125 12.8 9.1 13.7

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





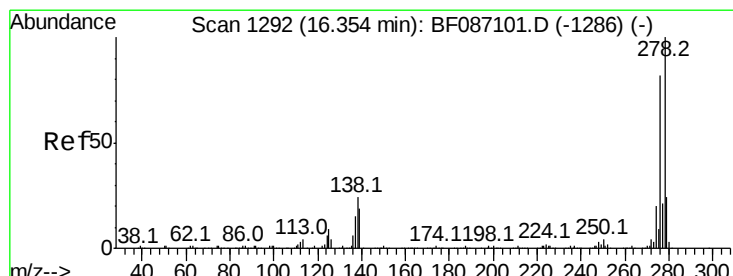
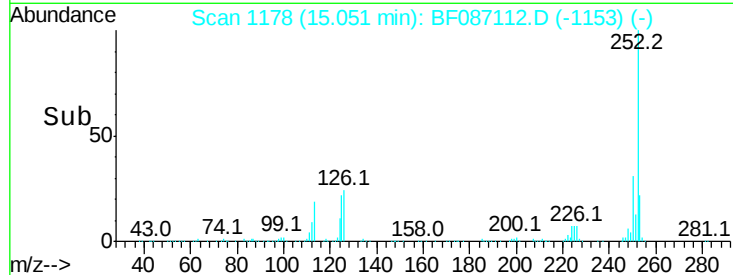
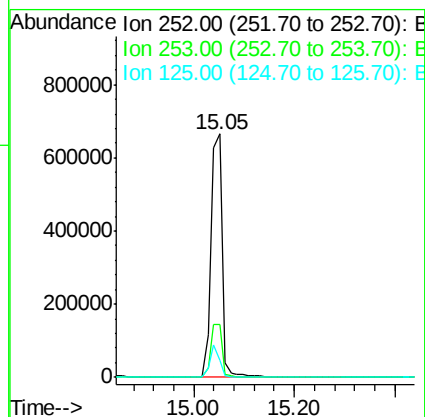
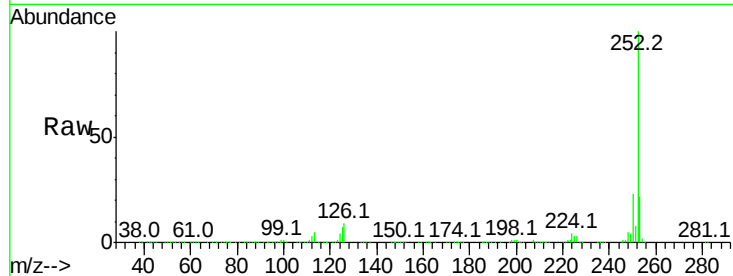
#89
Benzo(a)pyrene
Concen: 48.22 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Instrument :
BNA_F
ClientSampleId :
HSR-WC-43-050616MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	7.1	9.0	13.6

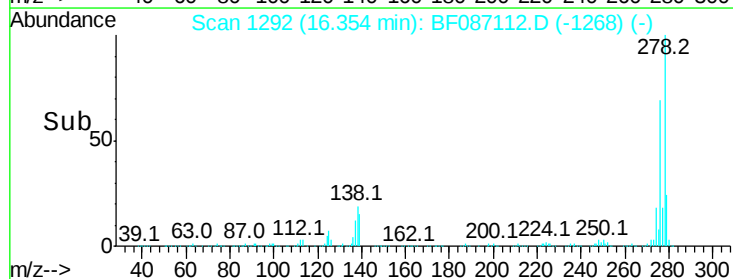
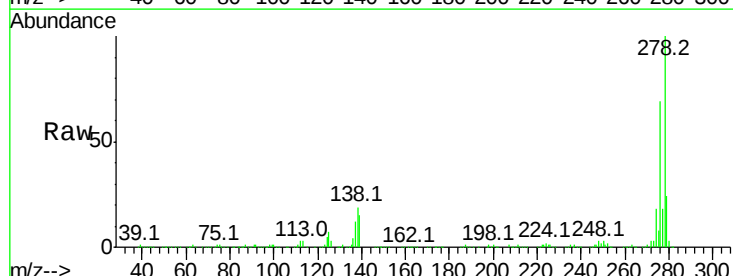
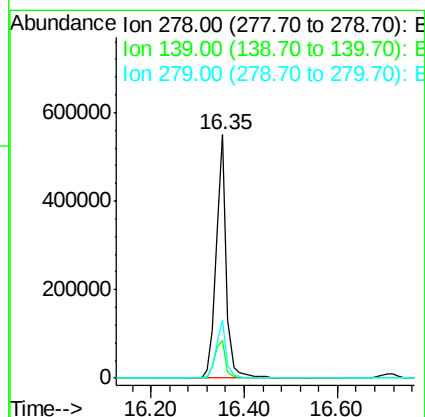
Manual Integrations
APPROVED

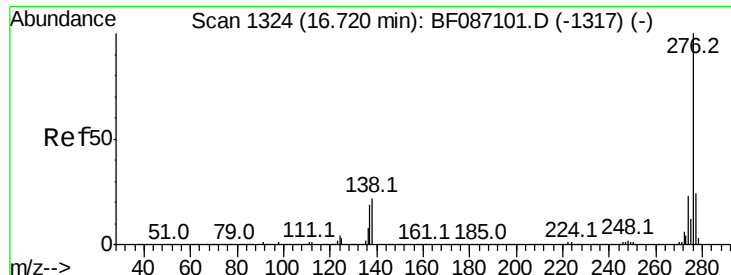
sohil
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#90
Dibenzo(a,h)anthracene
Concen: 47.34 ng
RT: 16.35 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF087112.D
Acq: 17 May 2016 20:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.4	16.6	24.8
279	23.8	19.6	29.4





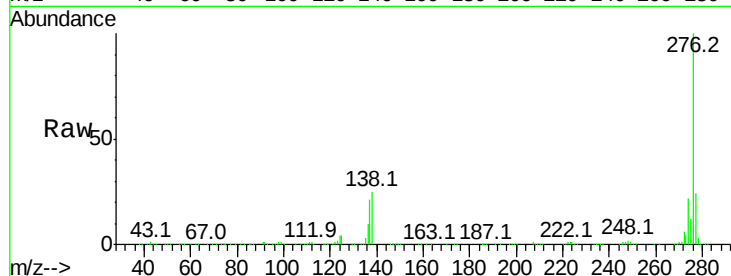
#91
 Benzo(a,h,i)perylene
 Concen: 47.09 ng
 RT: 16.71 min Scan# 1323
 Delta R.T. -0.03 min
 Lab File: BF087112.D
 Acq: 17 May 2016 20:01

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-43-050616MS

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.6	29.4
138	24.9	23.6	35.4

Manual Integrations
 APPROVED

sohil
 5/18/2016 6:57:50 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

