

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
 Data File : BF087178.D
 Acq On : 19 May 2016 8:41
 Operator : UM/SJ
 Sample : H3120-04MS
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Manual Integrations
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Quant Time: May 19 12:53:13 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	6.58	152	131097	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	526463	20.00	ng	-0.03
38) Acenaphthene-d10	9.61	164	241148	20.00	ng	-0.03
63) Phenanthrene-d10	11.10	188	413083	20.00	ng	-0.02
75) Chrysene-d12	13.71	240	258995	20.00	ng	-0.05
86) Perylene-d12	15.06	264	309180	20.00	ng	-0.05

System Monitoring Compounds

5) 2-Fluorophenol	5.16	112	402254	51.57	ng	-0.03
7) Phenol-d6	6.25	99	352294	33.68	ng	-0.03
23) Nitrobenzene-d5	7.15	82	857402	81.17	ng	-0.03
41) 2,4,6-Tribromophenol	10.41	330	391744	147.01	ng	-0.03
44) 2-Fluorobiphenyl	8.95	172	1350442	92.75	ng	-0.03
78) Terphenyl-d14	12.67	244	1143739	99.90	ng	-0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.01	88	39160	9.76	ng	# 71
3) Pyridine	2.68	79	89694	9.24	ng	# 60
4) n-Nitrosodimethylamine	2.60	42	95850	13.94	ng	# 50
6) Aniline	6.24	93	326821	24.60	ng	98
8) 2-Chlorophenol	6.36	128	290262	30.59	ng	83
9) Benzaldehyde	6.14	77	22207	2.88	ng	94
10) Phenol	6.26	94	153352	11.66	ng	# 68
11) bis(2-Chloroethyl)ether	6.32	93	320099	32.42	ng	# 83
12) 1,3-Dichlorobenzene	6.51	146	293303m	29.08	ng	
13) 1,4-Dichlorobenzene	6.59	146	306483m	29.69	ng	
14) 1,2-Dichlorobenzene	6.75	146	275387	30.48	ng	96
15) Benzyl Alcohol	6.74	79	227600	29.23	ng	# 88
16) 2,2'-oxybis(1-Chloropropan	6.87	45	722569	35.60	ng	88
17) 2-Methylphenol	6.88	107	208305	26.73	ng	# 75
18) Hexachloroethane	7.08	117	109473	27.74	ng	97
19) n-Nitroso-di-n-propylamine	7.02	70	357376	44.94	ng	# 75
20) 3+4-Methylphenols	7.03	107	276816	26.93	ng	# 62
22) Acetophenone	7.00	105	564598	43.82	ng	97
24) Nitrobenzene	7.18	77	467035	40.49	ng	97
25) Isophorone	7.42	82	847730	43.84	ng	98
26) 2-Nitrophenol	7.50	139	197936	41.43	ng	# 93
27) 2,4-Dimethylphenol	7.55	122	329572	40.42	ng	89
28) bis(2-Chloroethoxy)methane	7.63	93	486656	45.84	ng	# 98
29) 2,4-Dichlorophenol	7.75	162	315937	43.97	ng	98
30) 1,2,4-Trichlorobenzene	7.82	180	299976	37.62	ng	99
31) Naphthalene	7.88	128	998752	38.83	ng	99
32) Benzoic acid	7.68	122	49716	10.23	ng	# 79
33) 4-Chloroaniline	7.95	127	387514	36.25	ng	# 88
34) Hexachlorobutadiene	8.01	225	160636	35.50	ng	100
35) Caprolactam	8.35	113	17622	7.37	ng	# 47
36) 4-Chloro-3-methylphenol	8.46	107	358185	41.33	ng	98
37) 2-Methylnaphthalene	8.58	142	771092	46.86	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.75	216	316852	44.99	ng	99
40) Hexachlorocyclopentadiene	8.73	237	99601	40.88	ng	94

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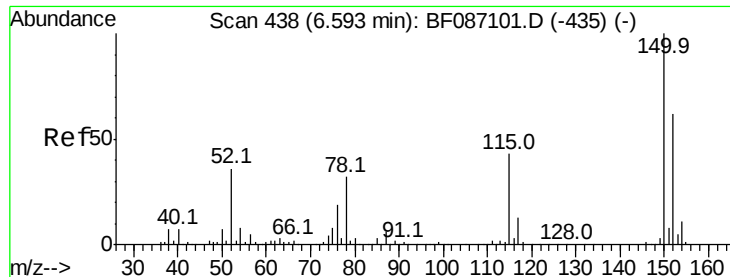
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.87	196	208935	45.74	nq	96
43) 2,4,5-Trichlorophenol	8.92	196	237991	50.16	nq #	88
45) 1,1'-Biphenyl	9.05	154	1015378	50.78	nq	99
46) 2-Chloronaphthalene	9.07	162	740323	48.23	nq	99
47) 2-Nitroaniline	9.18	65	287636	48.90	nq #	71
48) Acenaphthylene	9.47	152	1097892	46.84	nq	98
49) Dimethylphthalate	9.36	163	955673	51.95	nq	100
50) 2,6-Dinitrotoluene	9.43	165	220658	55.24	nq	99
51) Acenaphthene	9.64	154	680077	46.44	nq	98
52) 3-Nitroaniline	9.60	138	168794	39.04	nq	92
53) 2,4-Dinitrophenol	9.71	184	123091	55.33	nq #	88
54) Dibenzofuran	9.82	168	995959	52.59	nq	91
55) 4-Nitrophenol	9.79	139	67733m	34.90	nq	
56) 2,4-Dinitrotoluene	9.83	165	234934	45.92	nq #	76
57) Fluorene	10.16	166	719067	47.26	nq	100
58) 2,3,4,6-Tetrachlorophenol	9.95	232	204004	55.20	nq	98
59) Diethylphthalate	10.06	149	980718	55.84	nq	98
60) 4-Chlorophenyl-phenylether	10.16	204	372013	51.58	nq	93
61) 4-Nitroaniline	10.20	138	188900	44.25	nq #	65
62) Azobenzene	10.32	77	1107674	54.74	nq	88
64) 4,6-Dinitro-2-methylphenol	10.24	198	98603	36.24	nq #	60
65) n-Nitrosodiphenylamine	10.28	169	726713	55.90	nq	99
66) 4-Bromophenyl-phenylether	10.64	248	227607	53.58	nq #	87
67) Hexachlorobenzene	10.71	284	254280	51.63	nq #	80
68) Atrazine	10.82	200	224578	52.96	nq	95
69) Pentachlorophenol	10.91	266	221091	119.50	nq	98
70) Phenanthrene	11.12	178	1196275	53.40	nq	100
71) Anthracene	11.16	178	1067124	47.09	nq	99
72) Carbazole	11.34	167	1105963	53.43	nq	100
73) Di-n-butylphthalate	11.67	149	1373773	57.78	nq #	99
74) Fluoranthene	12.30	202	1036907	46.19	nq	96
76) Benzidine	12.43	184	209022	25.68	nq	95
77) Pyrene	12.53	202	1068920	57.13	nq	99
79) Butylbenzylphthalate	13.15	149	500127	63.32	nq #	84
80) Benzo(a)anthracene	13.70	228	781432	52.18	nq	99
81) 3,3'-Dichlorobenzidine	13.68	252	222254	23.32	nq #	96
82) Chrysene	13.75	228	833613	57.53	nq	99
83) Bis(2-ethylhexyl)phthalate	13.71	149	619088	64.40	nq	98
84) Di-n-octyl phthalate	14.32	149	1042286	62.94	nq #	85
85) Indeno(1,2,3-cd)pyrene	16.31	276	867904	68.24	nq	94
87) Benzo(b)fluoranthene	14.71	252	906123m	44.18	nq	
88) Benzo(k)fluoranthene	14.73	252	781122m	51.15	nq	
89) Benzo(a)pyrene	15.02	252	840968	49.05	nq	98
90) Dibenzo(a,h)anthracene	16.31	278	741184	51.35	nq	96
91) Benzo(g,h,i)perylene	16.67	276	691561	47.43	nq #	89

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.02 min

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Instrument :

BNA_F

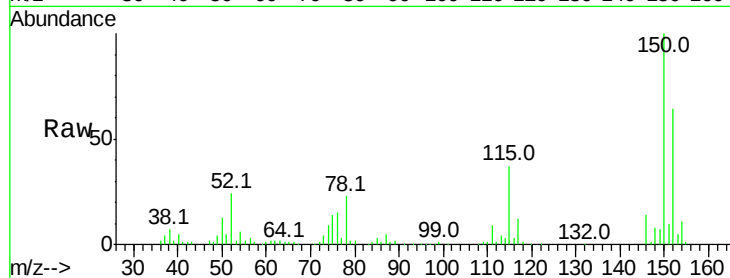
ClientSampleId :

RAV-GT-104MS

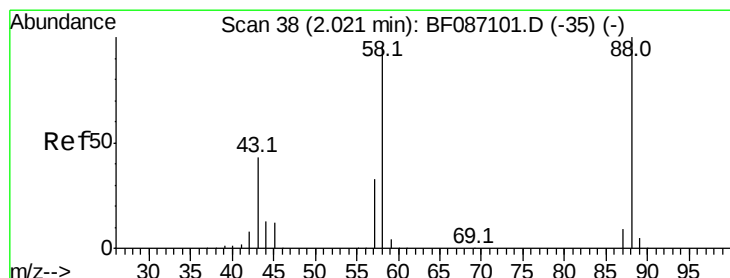
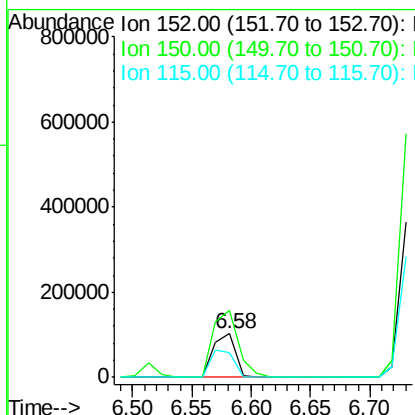
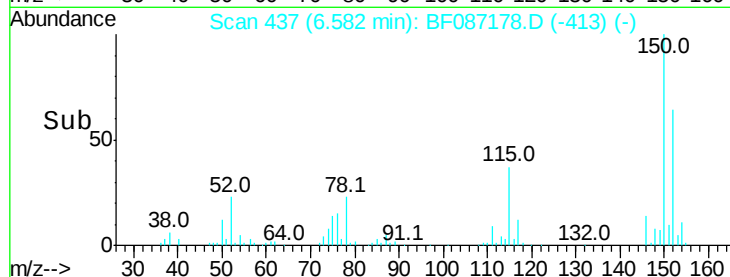
Tot Ion:	152	Resp:	131097
Ion Ratio	Lower	Upper	
152	100		
150	155.1	125.8	188.6
115	56.8	51.5	77.3

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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: 9.76 ng

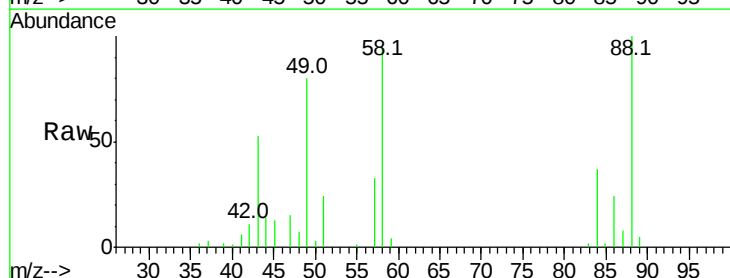
RT: 2.01 min Scan# 37

Delta R.T. -0.05 min

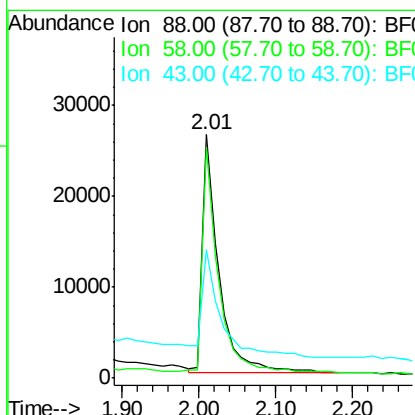
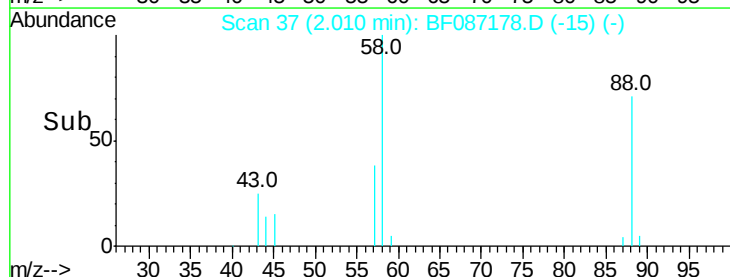
Lab File: BF087178.D

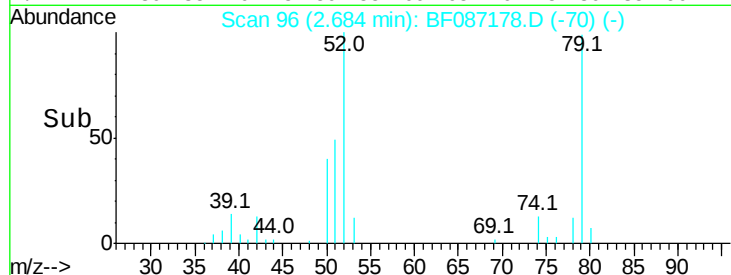
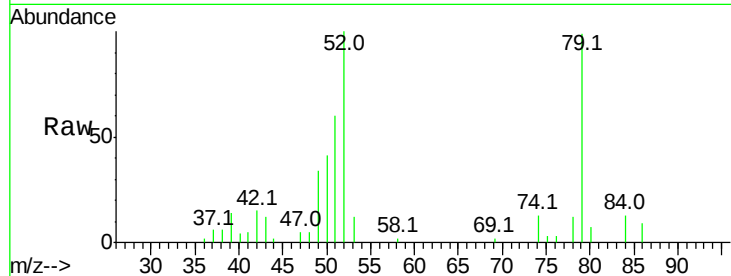
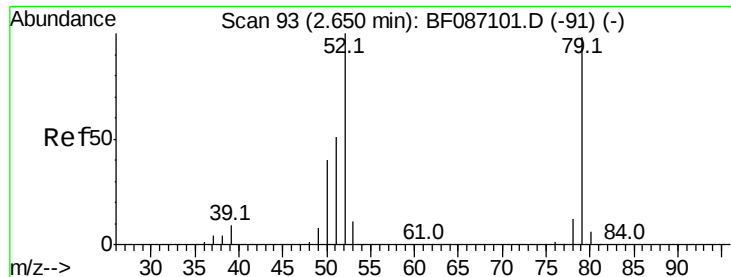
Acq: 19 May 2016 8:41

Tgt Ion:	88	Resp:	39160
Ion Ratio	Lower	Upper	
88	100		
58	92.8	59.6	89.4#
43	52.3	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





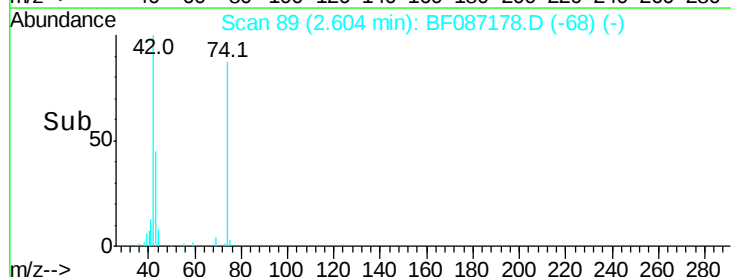
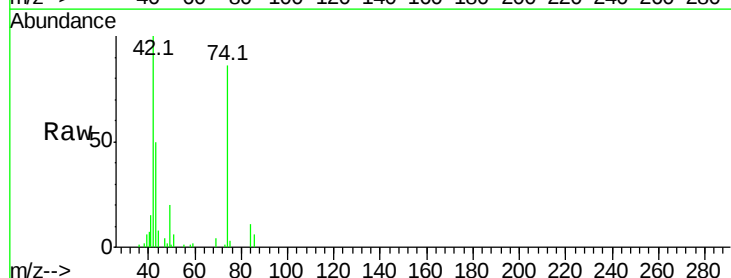
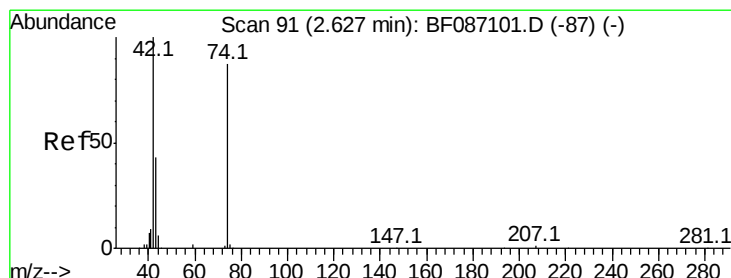
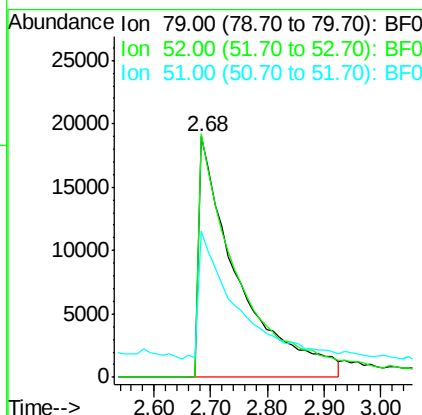
#3
 Pvridine
 Concen: 9.24 ng
 RT: 2.68 min Scan# 96
 Delta R.T. -0.00 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
52	101.1	55.9	83.9#		
51	60.7	28.1	42.1#		

Instrument :
 BNA_F
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 RAV-GT-104MS

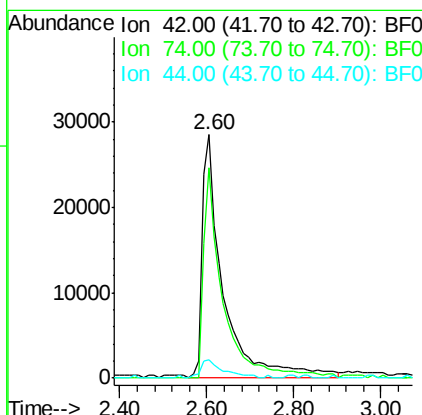
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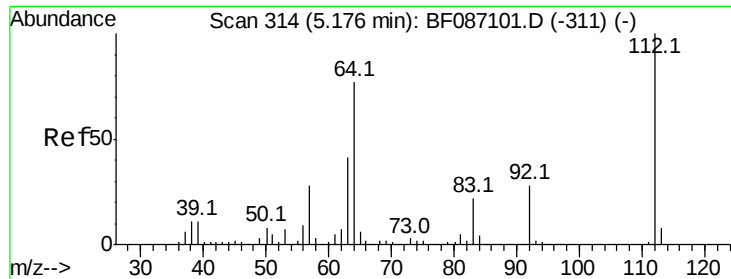
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#4
 n-Nitrosodimethylamine
 Concen: 13.94 ng
 RT: 2.60 min Scan# 89
 Delta R.T. -0.06 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
74	86.2	123.4	185.0#		
44	7.6	5.8	8.6		





#5

2-Fluorophenol

Concen: 51.57 ng

RT: 5.16 min Scan# 313

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

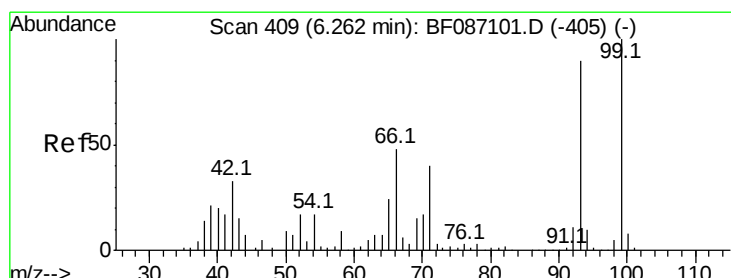
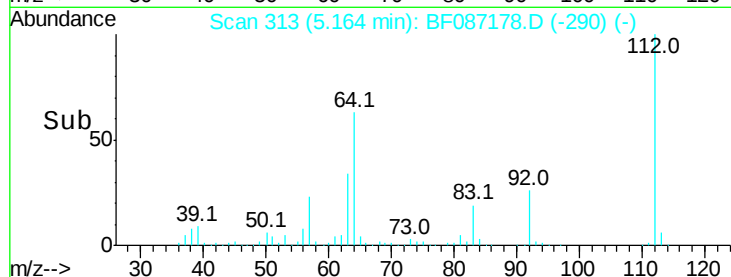
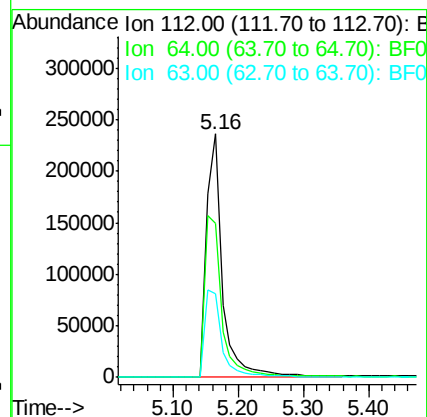
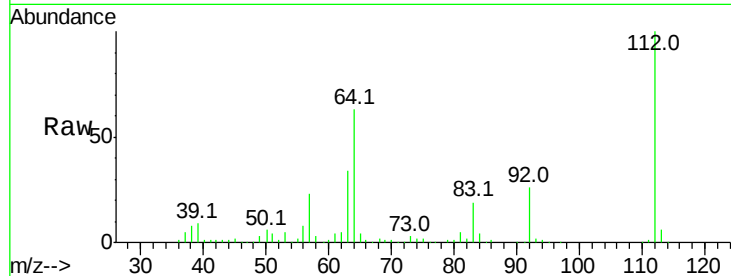
ClientSampleId :

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Tot Ion:	112	Resp:	402254
Ion Ratio	Lower	Upper	
112	100		
64	63.4	52.1	78.1
63	34.1	25.7	38.5

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#6

Aniline

Concen: 24.60 ng

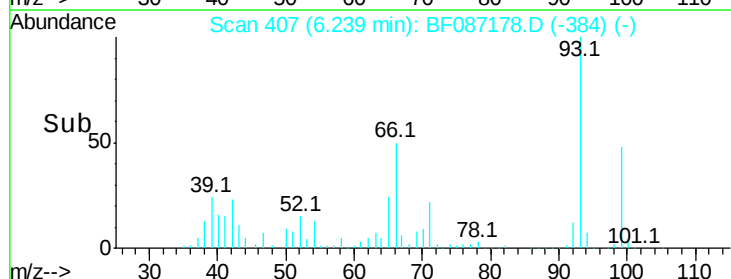
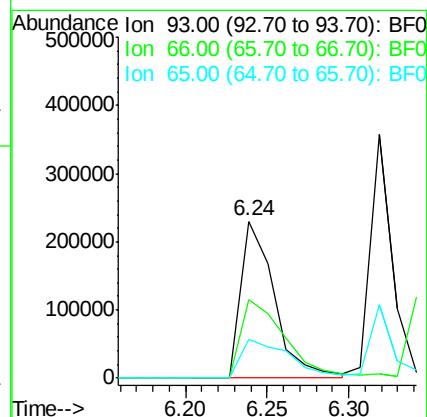
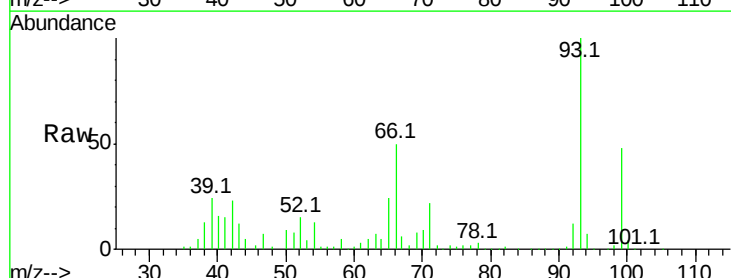
RT: 6.24 min Scan# 407

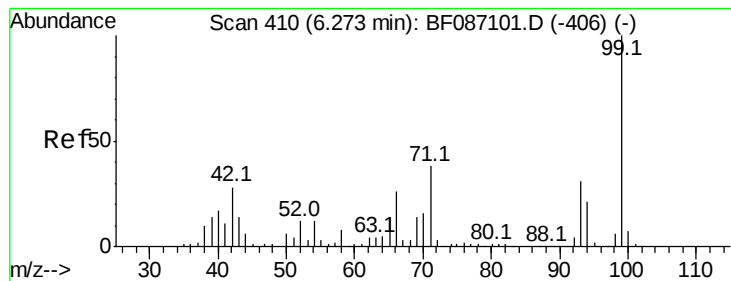
Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tgt Ion:	93	Resp:	326821
Ion Ratio	Lower	Upper	
93	100		
66	49.8	39.0	58.6
65	24.4	20.6	31.0





#7

Phenol-d6

Concen: 33.68 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

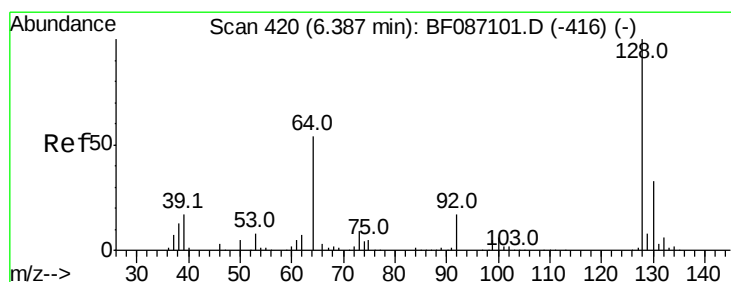
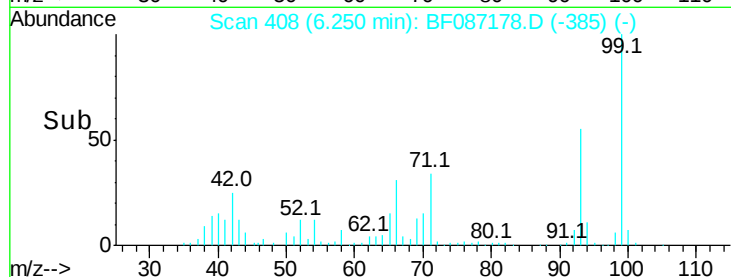
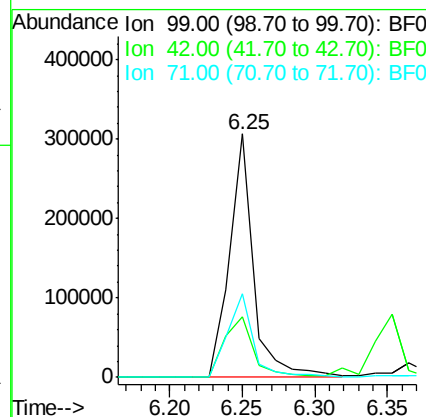
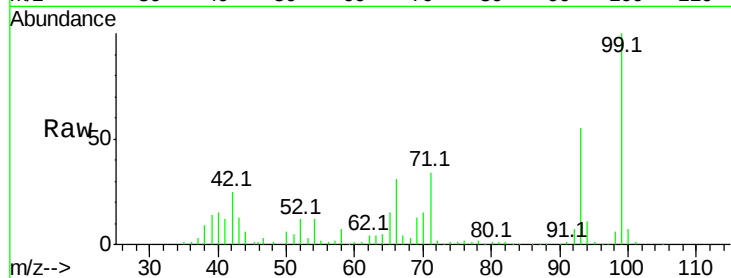
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Tot Ion: 99 Resp: 352294

Ion	Ratio	Lower	Upper
99	100		
42	25.1	13.6	20.4#
71	34.3	24.6	36.8

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#8

2-Chlorophenol

Concen: 30.59 ng

RT: 6.36 min Scan# 418

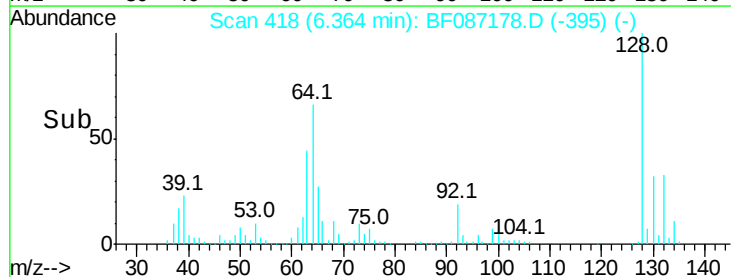
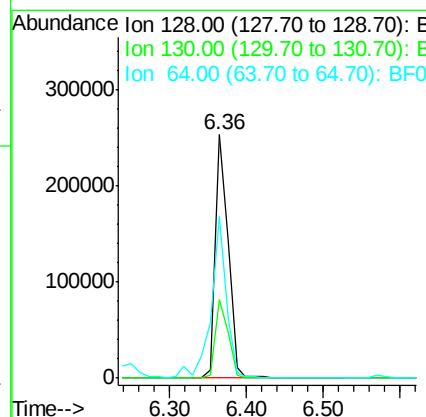
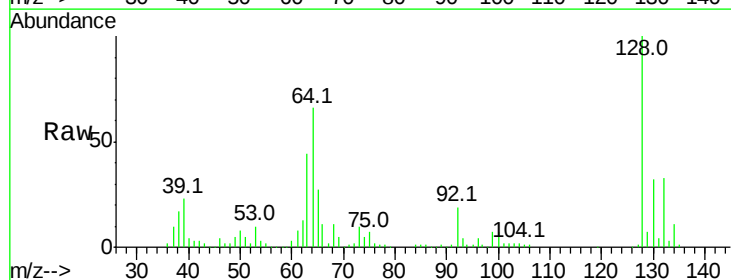
Delta R.T. -0.03 min

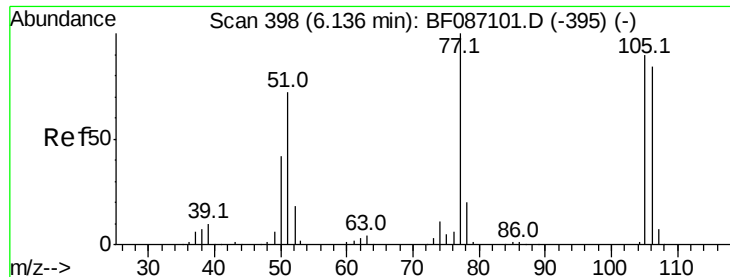
Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tgt Ion: 128 Resp: 290262

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.5	52.5
64	66.4	27.3	67.3





#9

Benzaldehyde

Concen: 2.88 ng

RT: 6.14 min Scan# 398

Delta R.T. -0.01 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

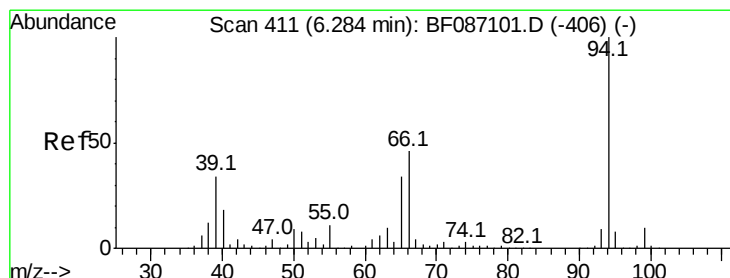
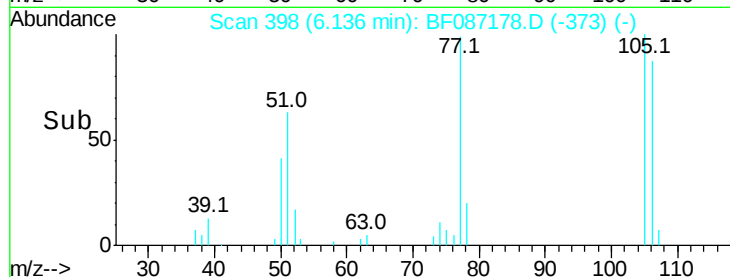
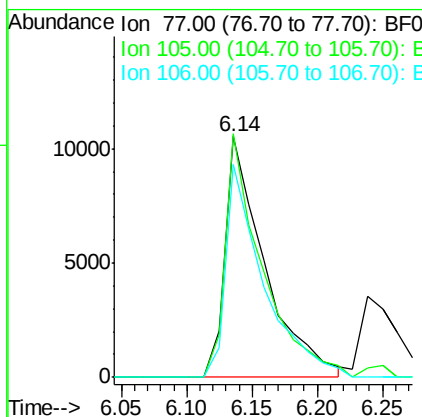
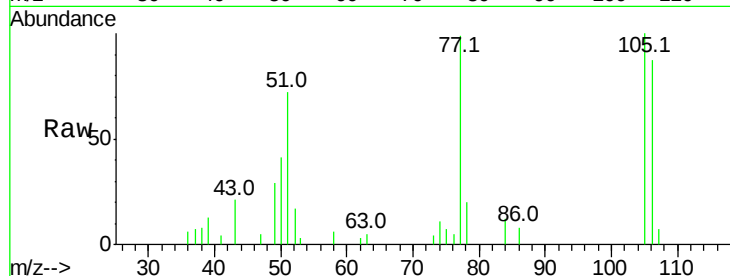
ClientSampleId :

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Tot Ion:	77	Resp:	22207
Ion	Ratio	Lower	Upper
77	100		
105	101.3	72.7	112.7
106	88.4	70.8	110.8

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#10

Phenol

Concen: 11.66 ng

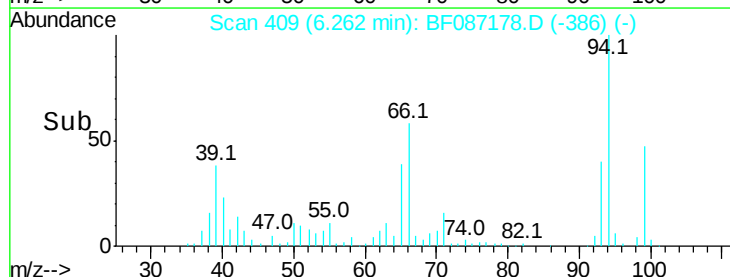
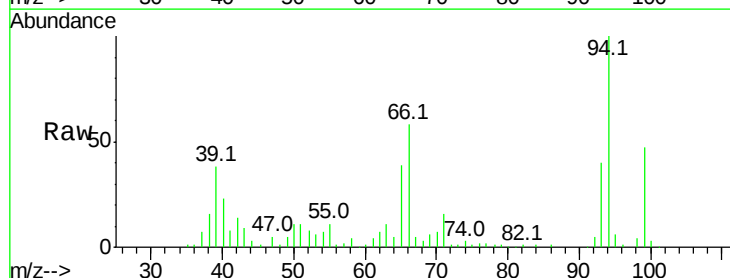
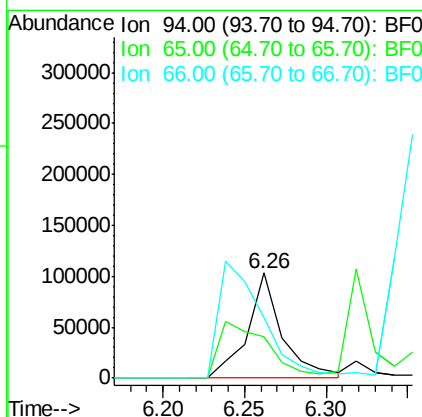
RT: 6.26 min Scan# 409

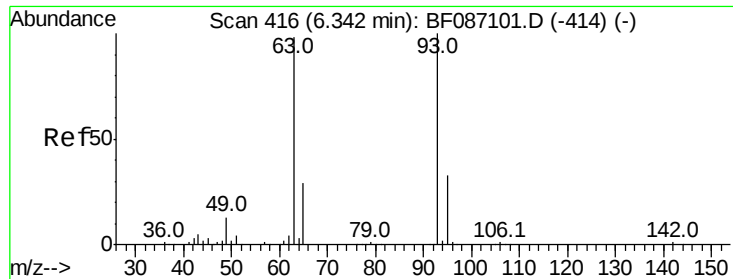
Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tgt Ion:	94	Resp:	153352
Ion	Ratio	Lower	Upper
94	100		
65	38.9	7.2	47.2
66	57.7	14.9	54.9#





#11

bis(2-Chloroethyl)ether

Concen: 32.42 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

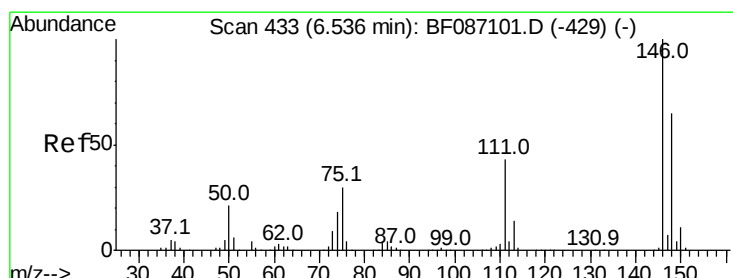
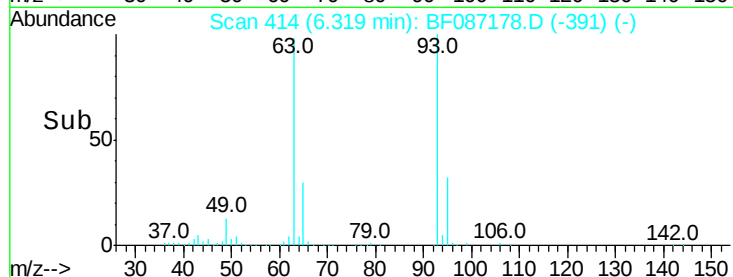
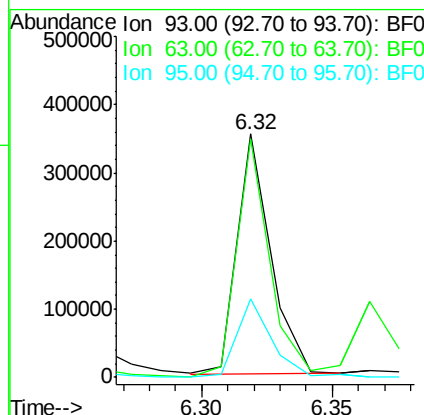
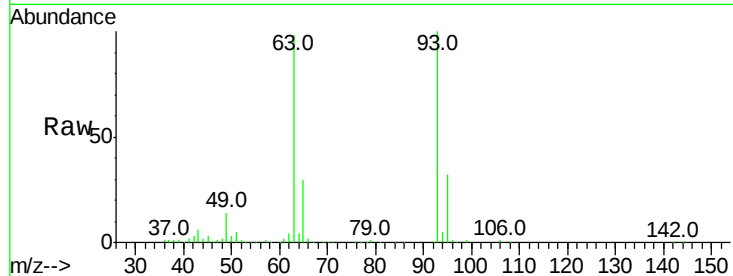
ClientSampleId :

RAV-GT-104MS

Tot Ion	Ratio	Lower	Upper
93	100		
63	98.1	58.0	98.0#
95	32.2	11.9	51.9

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#12

1,3-Dichlorobenzene

Concen: 29.08 ng m

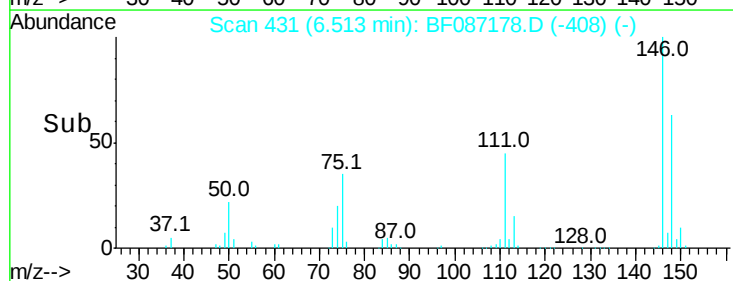
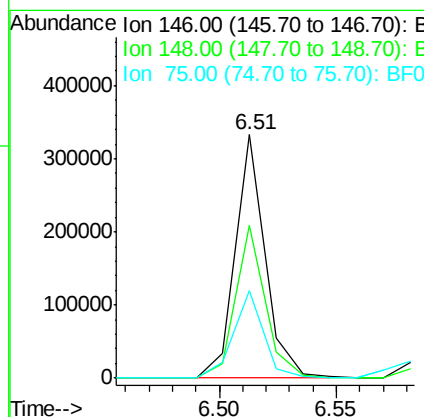
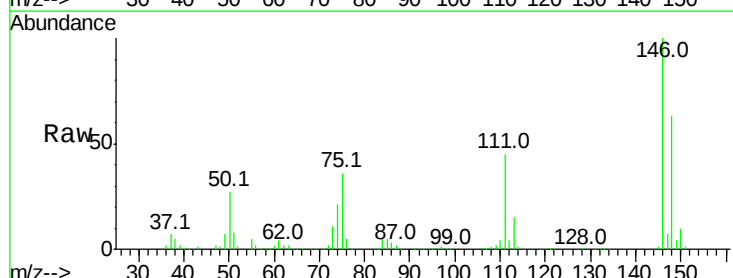
RT: 6.51 min Scan# 431

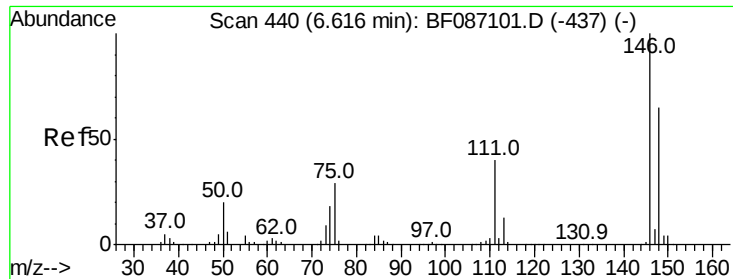
Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.8	52.4	78.6
75	35.7	22.8	34.2#





#13

1,4-Dichlorobenzene

Concen: 29.69 ng/mL

RT: 6.59 min Scan# 438

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

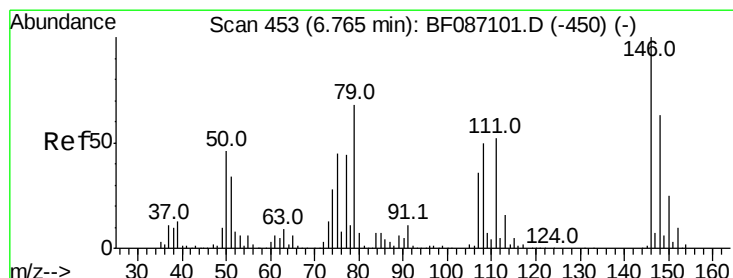
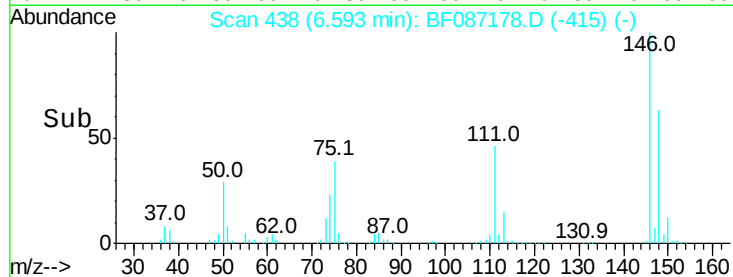
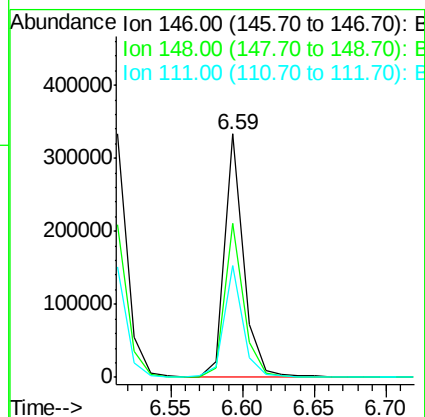
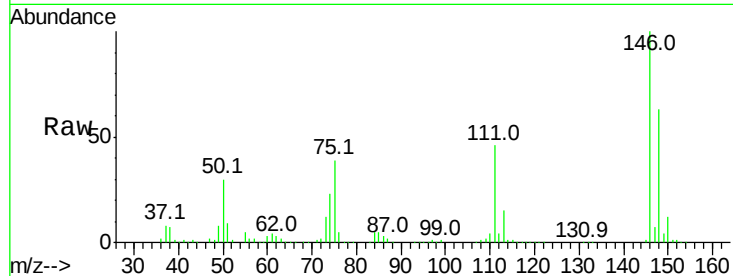
ClientSampleId :

RAV-GT-104MS

Tot Ion:	146	Resp:	306483
Ion Ratio	Lower	Upper	
146	100		
148	63.2	52.2	78.4
111	46.2	30.7	46.1

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#14

1,2-Dichlorobenzene

Concen: 30.48 ng/mL

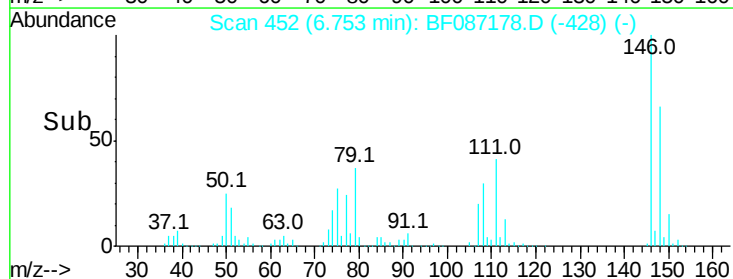
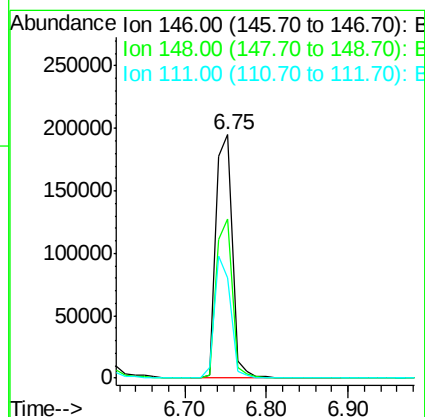
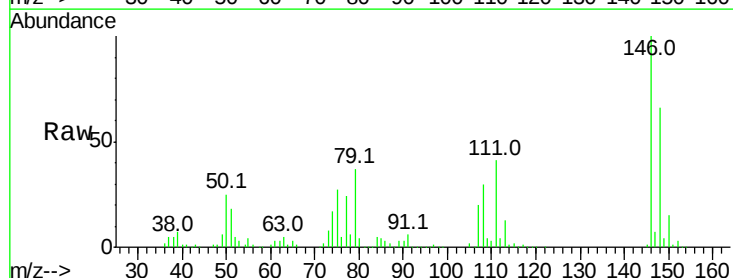
RT: 6.75 min Scan# 452

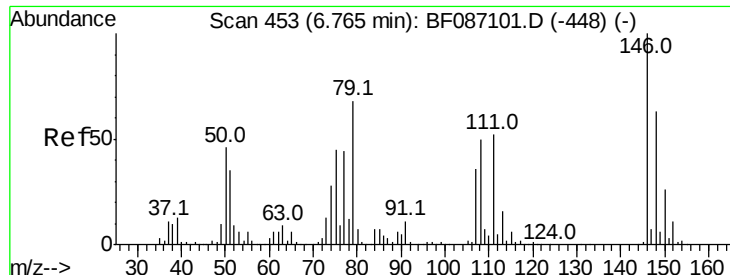
Delta R.T. -0.02 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tgt Ion:	146	Resp:	275387
Ion Ratio	Lower	Upper	
146	100		
148	65.5	51.0	76.6
111	41.0	36.2	54.4





#15

Benzyl Alcohol

Concen: 29.23 ng

RT: 6.74 min Scan# 451

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

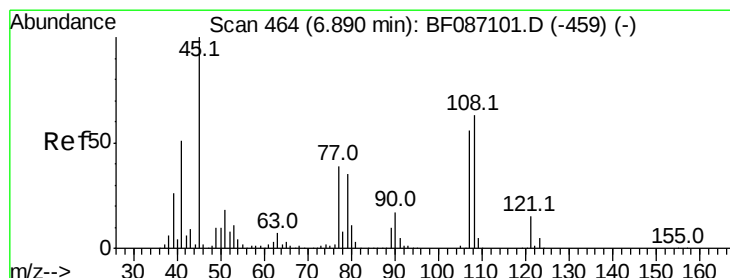
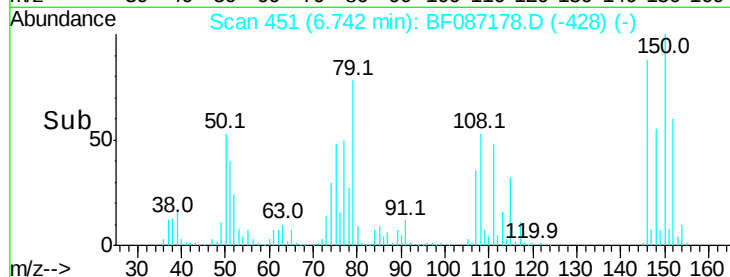
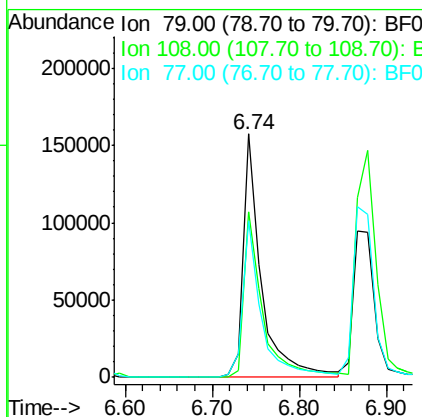
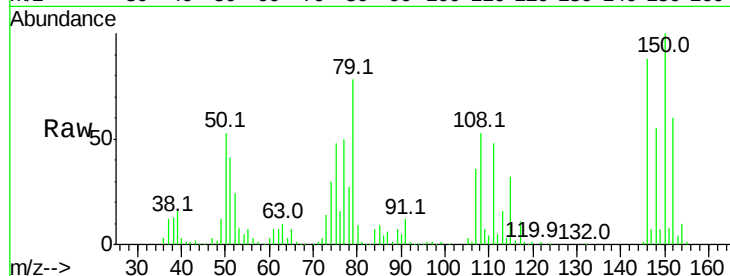
RAV-GT-104MS

Tot Ion: 79 Resp: 227600
Ion Ratio Lower Upper

79	100		
108	68.1	68.4	102.6#
77	64.4	50.6	76.0

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#16

2,2'-oxybis(1-chloropropane)

Concen: 35.60 ng

RT: 6.87 min Scan# 462

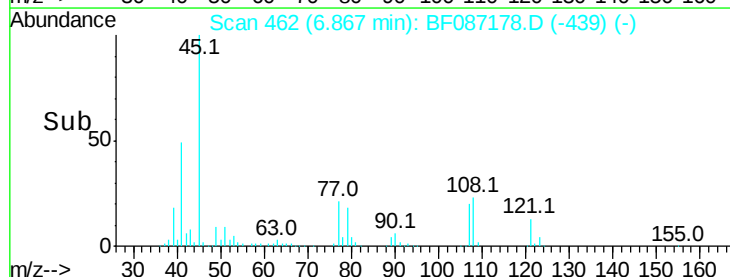
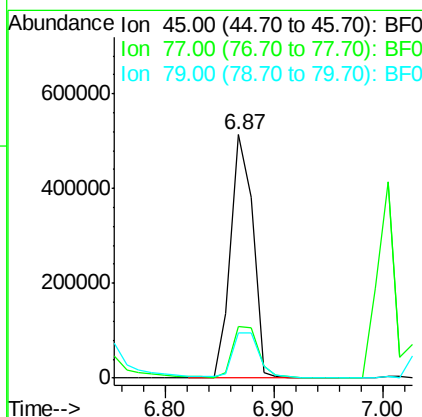
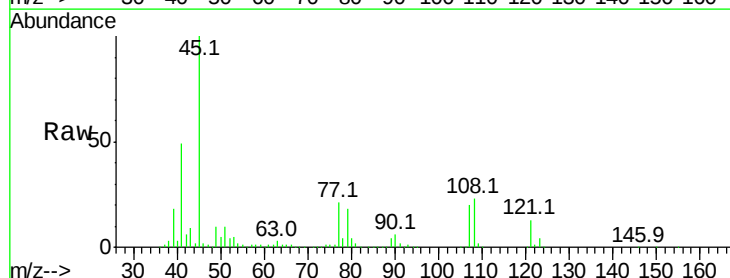
Delta R.T. -0.03 min

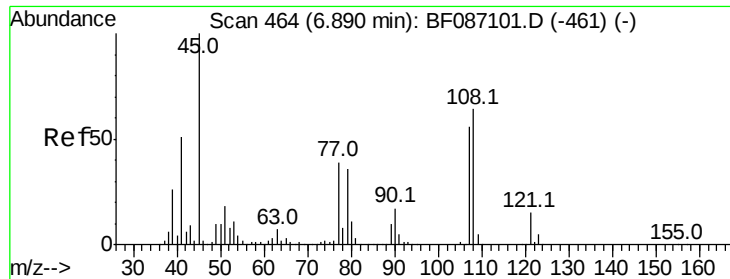
Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tgt Ion: 45 Resp: 722569
Ion Ratio Lower Upper

45	100		
77	21.5	0.0	36.4
79	18.4	0.0	33.4





#17

2-Methylphenol

Concen: 26.73 ng

RT: 6.88 min Scan# 463

Delta R.T. -0.02 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

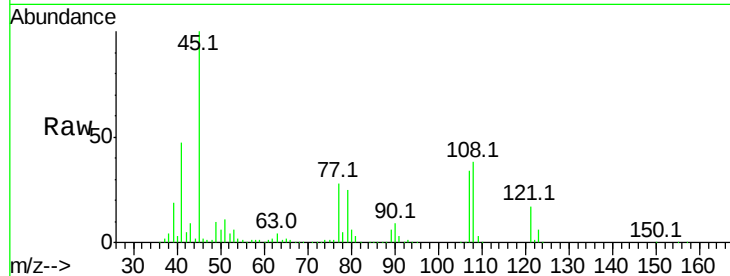
ClientSampleId :

RAV-GT-104MS

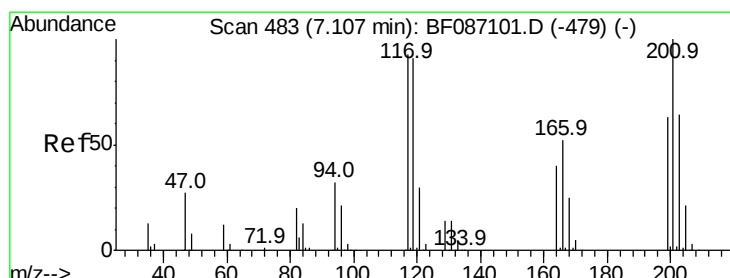
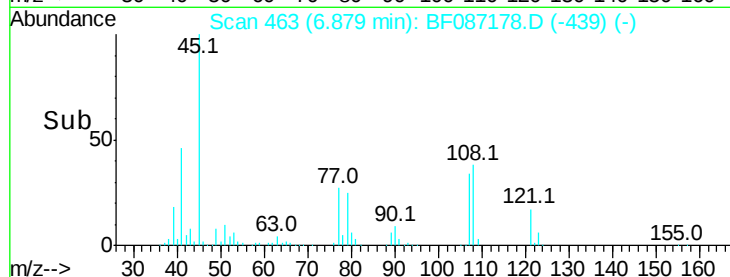
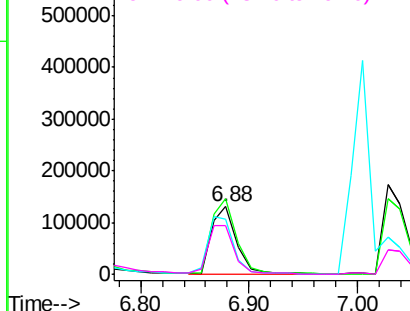
Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100		208305		
108	112.4	93.7	140.5		
77	80.8	33.4	50.0#		
79	72.1	34.3	51.5#		

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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: 27.74 ng

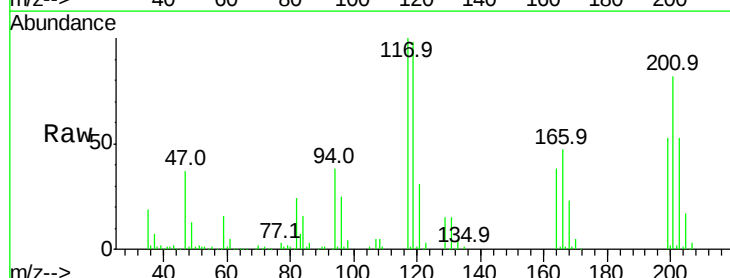
RT: 7.08 min Scan# 481

Delta R.T. -0.03 min

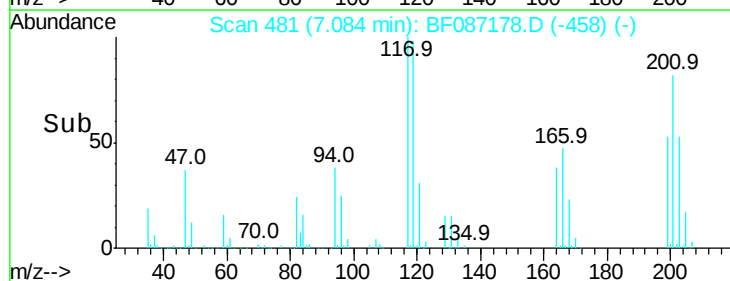
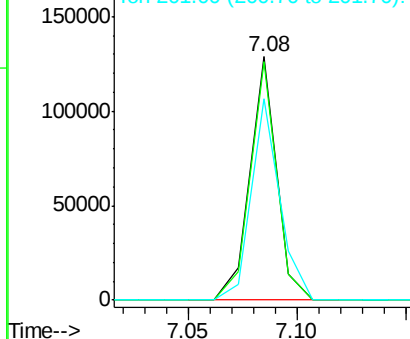
Lab File: BF087178.D

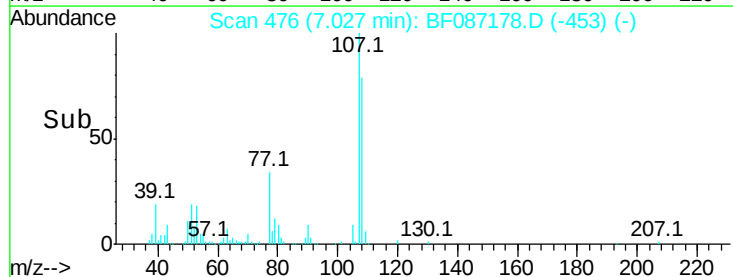
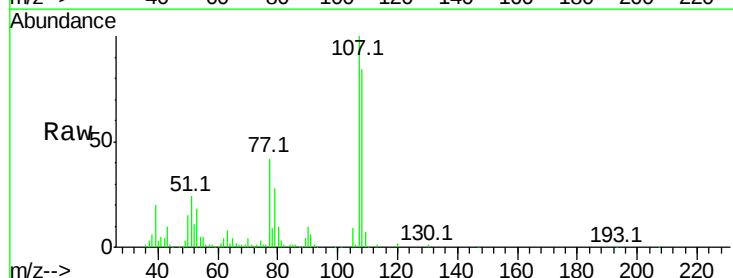
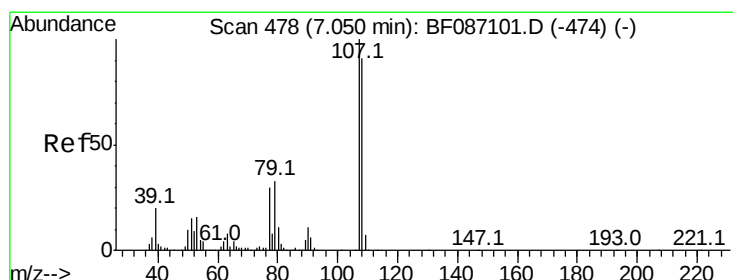
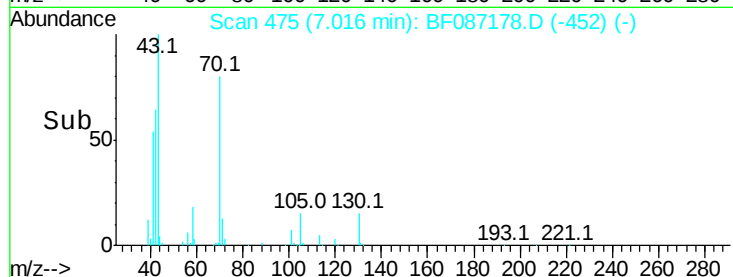
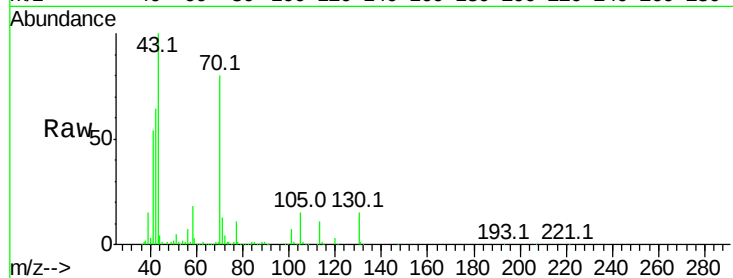
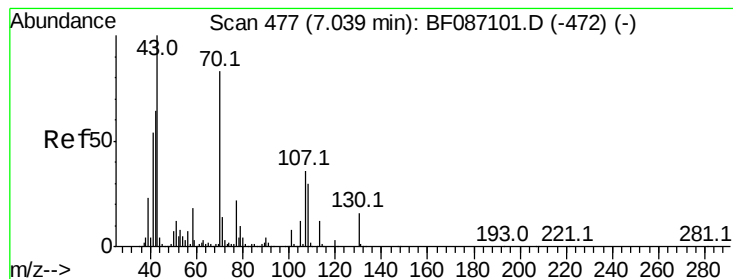
Acq: 19 May 2016 8:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		109473		
119	98.2	76.5	114.7		
201	82.5	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: 44.94 ng

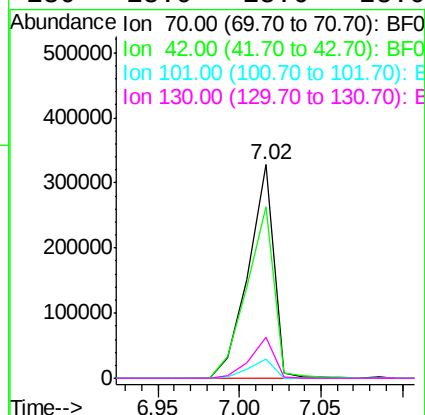
RT: 7.02 min Scan# 475

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	80.2	43.1	64.7#		
101	9.1	8.1	12.1		
130	18.9	18.6	28.0		



Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

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#20

3+4-Methylphenols

Concen: 26.93 ng

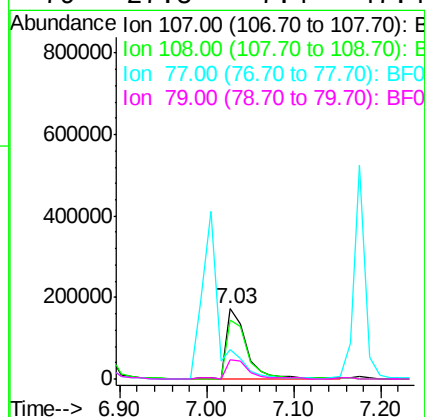
RT: 7.03 min Scan# 476

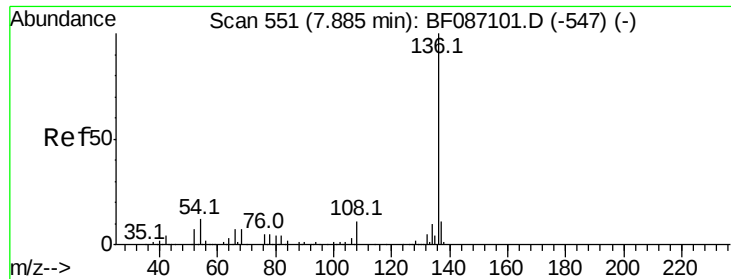
Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	84.4	68.5	108.5		
77	41.8	101.6	141.6#		
79	27.5	7.4	47.4		





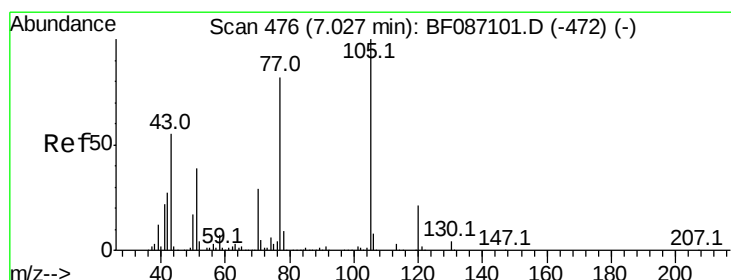
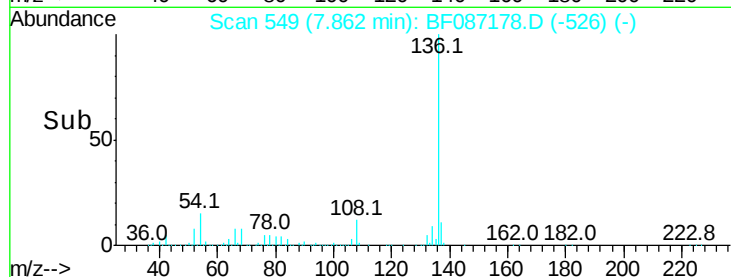
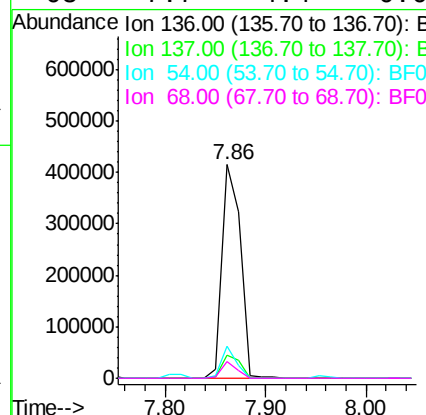
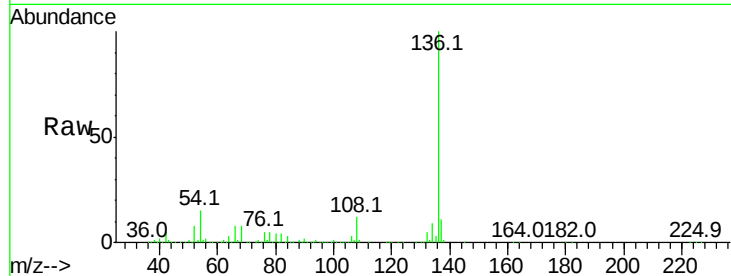
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	526463		
137	11.0	8.8	13.2	
54	14.8	5.0	7.4	
68	7.7	4.4	6.6	

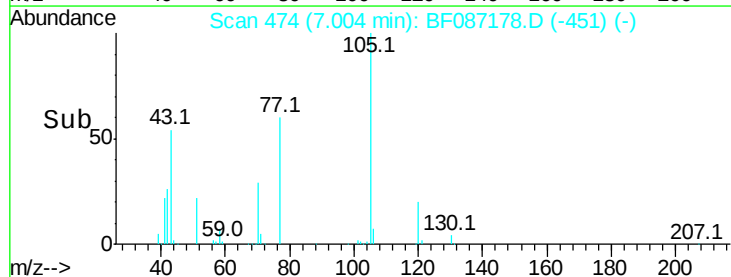
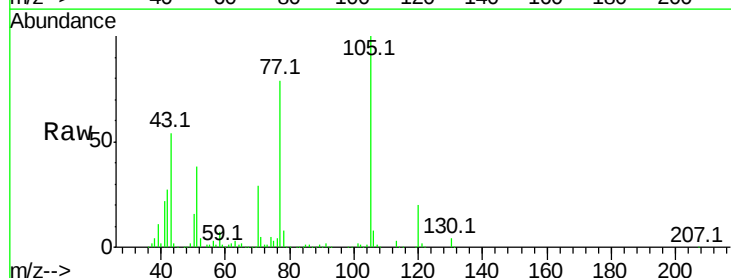
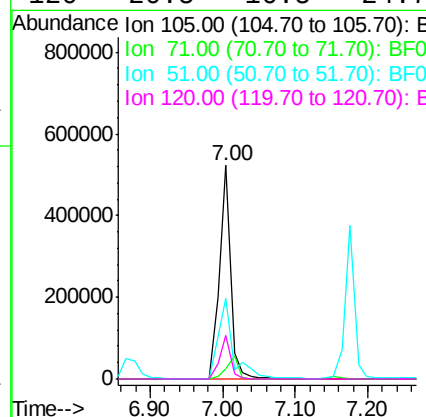
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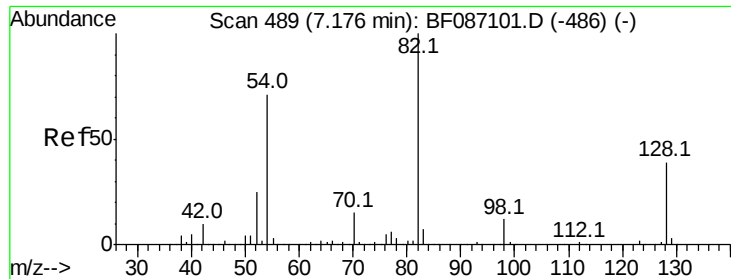
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#22
Acetophenone
Concen: 43.82 ng
RT: 7.00 min Scan# 474
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	564598		
71	5.0	4.8	7.2	
51	37.8	32.6	49.0	
120	20.5	16.5	24.7	





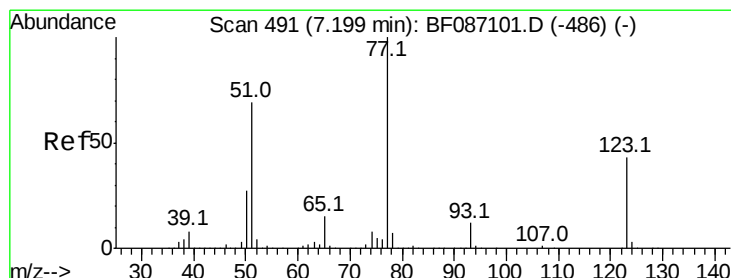
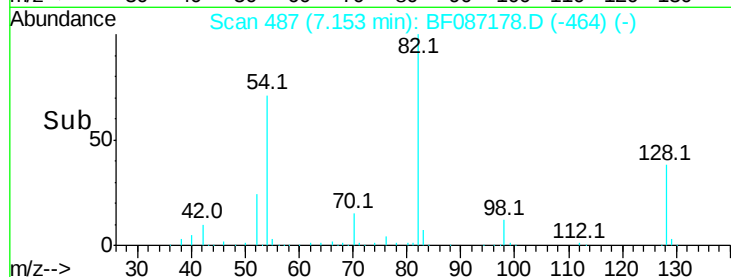
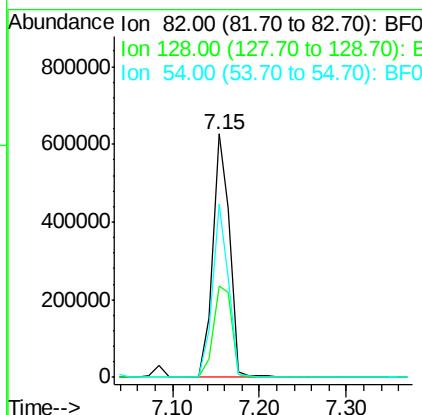
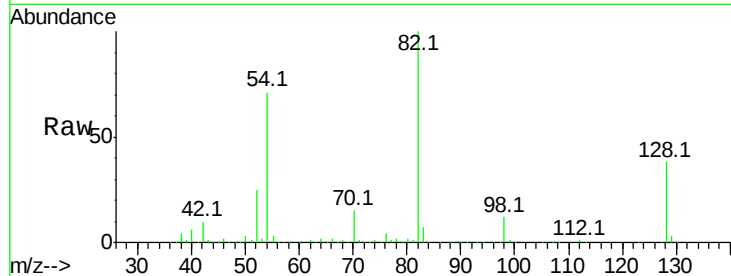
#23
 Nitrobenzene-d5
 Concen: 81.17 ng
 RT: 7.15 min Scan# 487
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	37.6	40.6	61.0#
54	71.3	38.1	57.1#

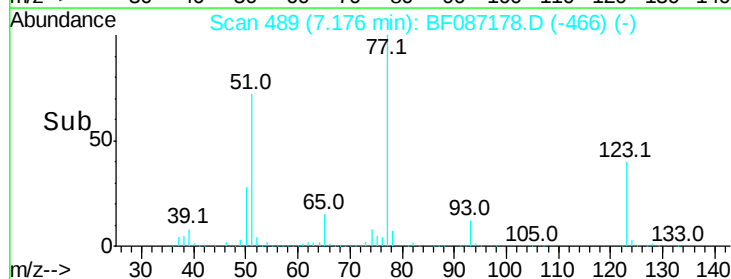
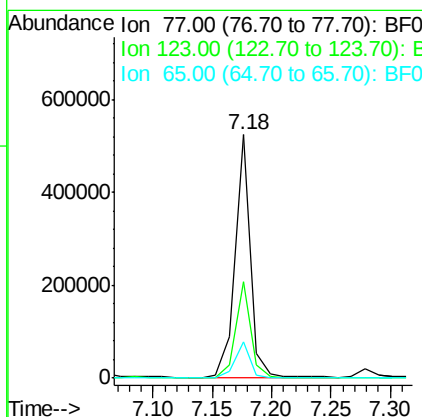
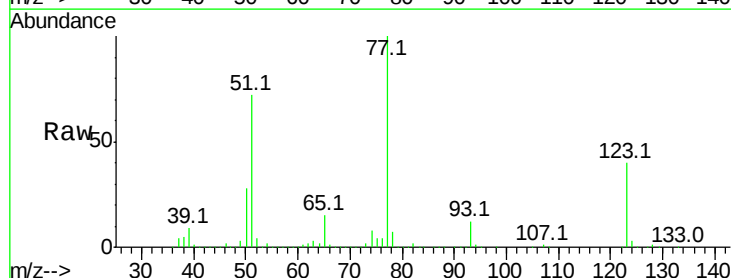
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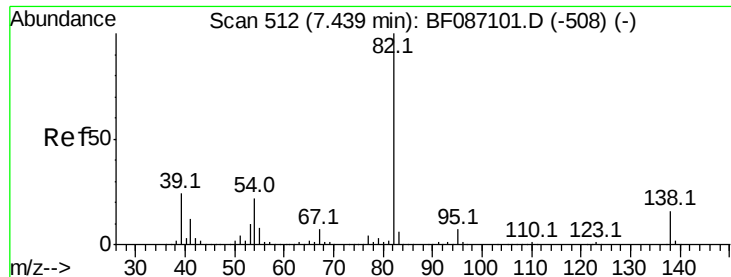
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#24
 Nitrobenzene
 Concen: 40.49 ng
 RT: 7.18 min Scan# 489
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Resp Lower	Upper
77	100		
123	39.6	33.0	49.4
65	14.9	10.8	16.2





#25

Isophorone

Concen: 43.84 ng

RT: 7.42 min Scan# 510

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

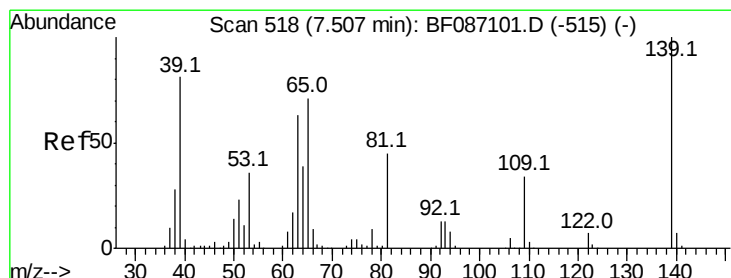
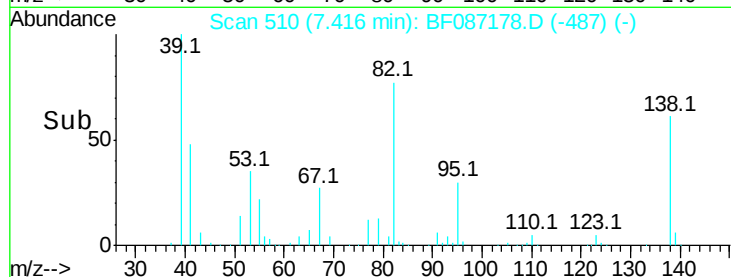
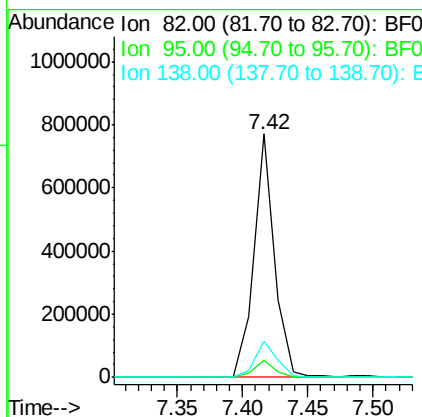
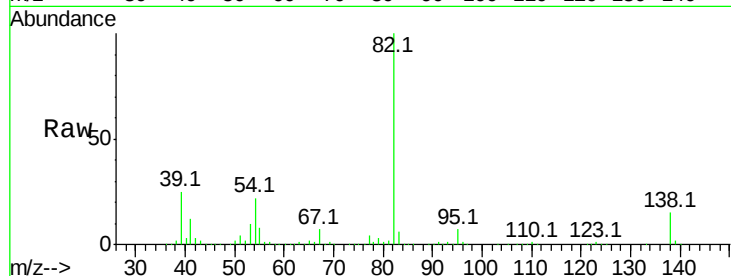
ClientSampleId :

RAV-GT-104MS

Tot Ion:	82	Resp:	847730
Ion Ratio	Lower	Upper	
82	100		
95	7.2	5.1	7.7
138	14.8	12.4	18.6

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#26

2-Nitrophenol

Concen: 41.43 ng

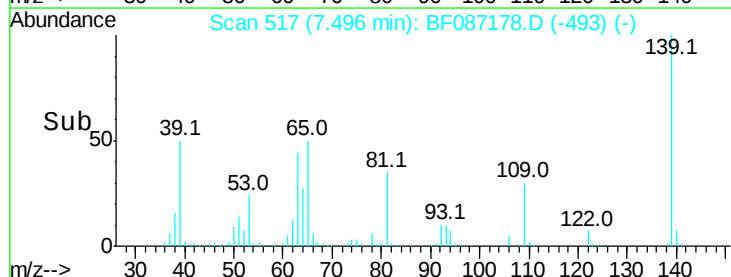
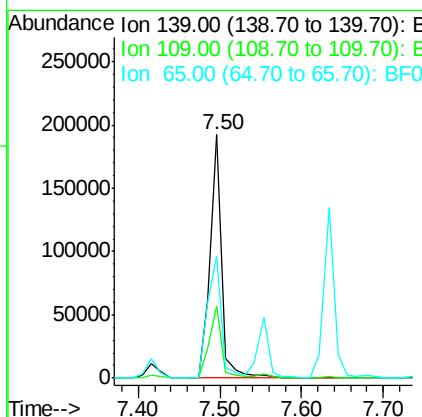
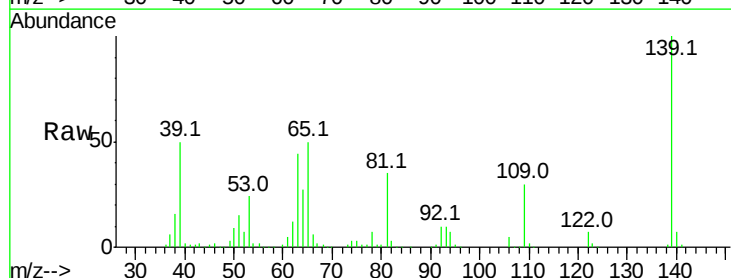
RT: 7.50 min Scan# 517

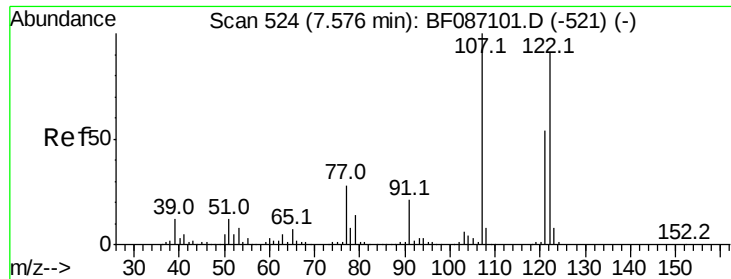
Delta R.T. -0.02 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tgt Ion:	139	Resp:	197936
Ion Ratio	Lower	Upper	
139	100		
109	29.6	19.5	29.3#
65	50.3	37.5	56.3





#27

2,4-Dimethylphenol

Concen: 40.42 ng

RT: 7.55 min Scan# 522

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

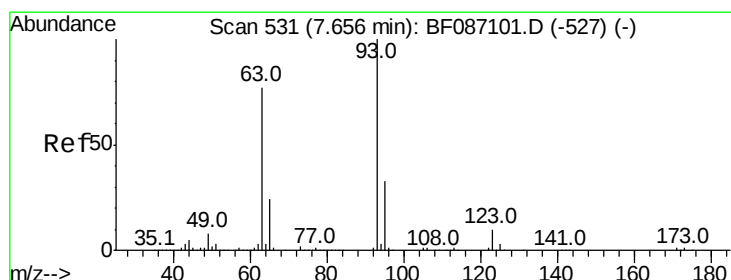
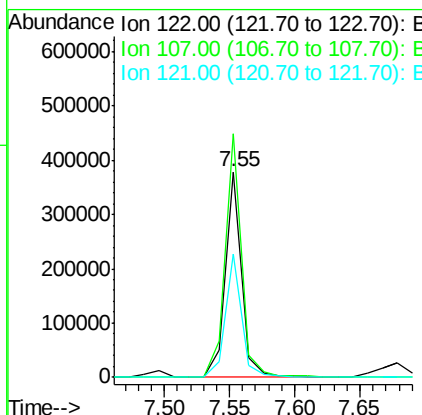
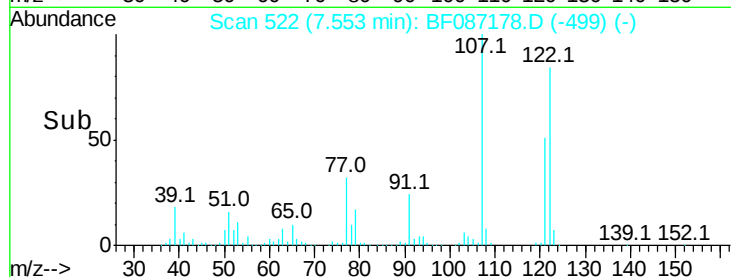
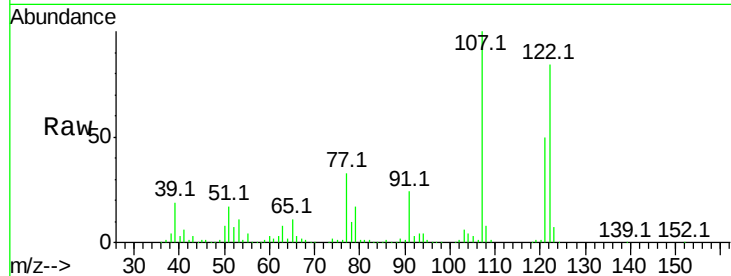
ClientSampleId :

RAV-GT-104MS

Tot Ion:	122	Resp:	329572
Ion Ratio	Lower	Upper	
122	100		
107	118.5	82.0	123.0
121	59.8	46.1	69.1

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#28

bis(2-Chloroethoxy)methane

Concen: 45.84 ng

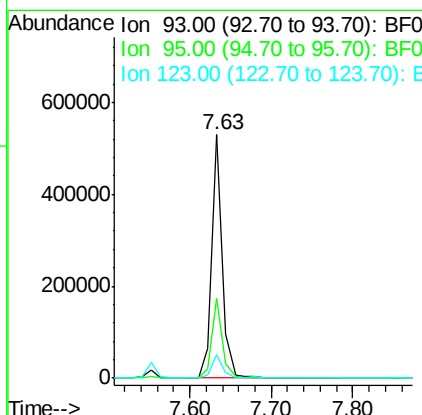
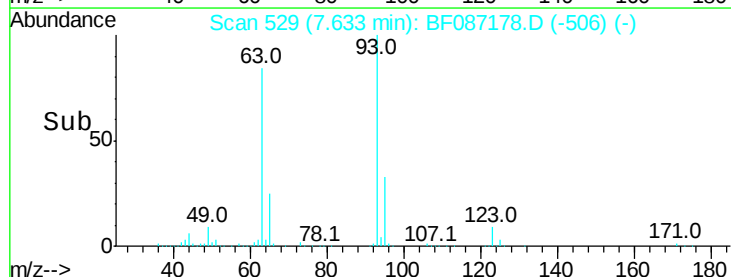
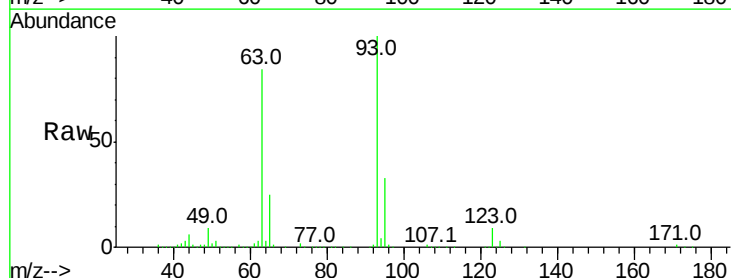
RT: 7.63 min Scan# 529

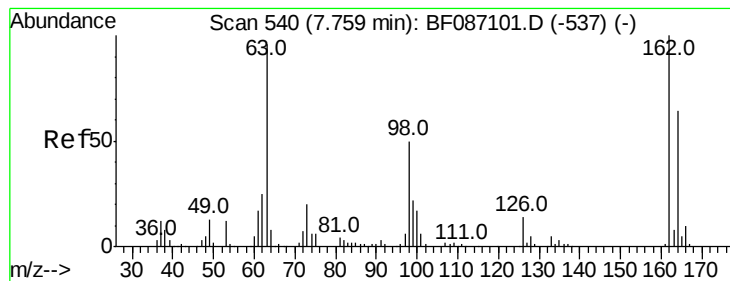
Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tgt Ion:	93	Resp:	486656
Ion Ratio	Lower	Upper	
93	100		
95	32.7	26.0	39.0
123	9.4	9.5	14.3#





#29

2,4-Dichlorophenol

Concen: 43.97 ng

RT: 7.75 min Scan# 539

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

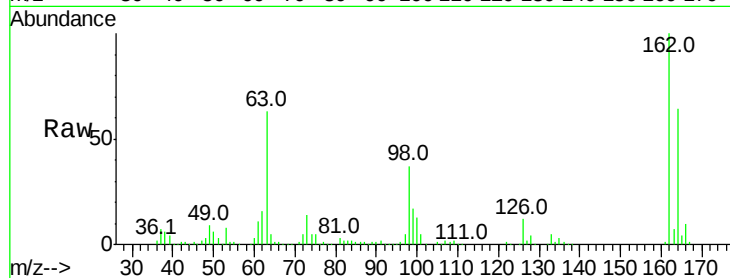
ClientSampleId :

RAV-GT-104MS

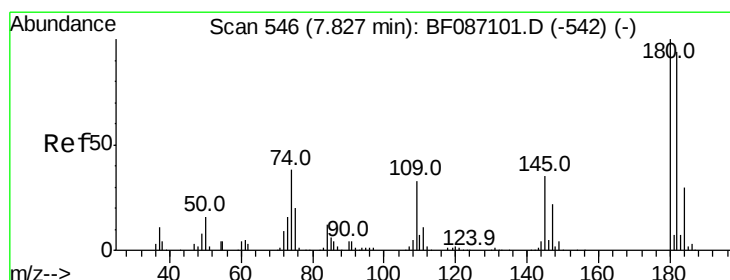
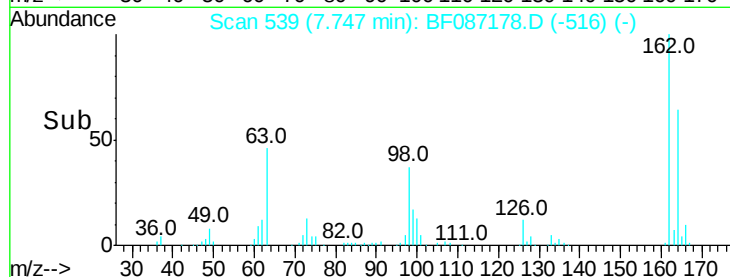
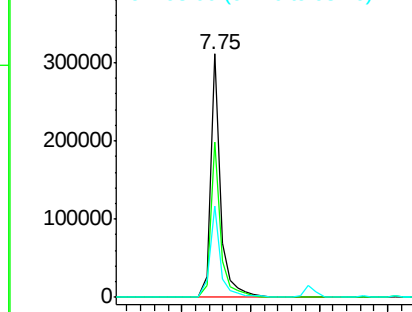
Tot Ion:	162	Resp:	315937
Ion Ratio	Lower	Upper	
162	100		
164	63.9	42.2	82.2
98	37.4	19.0	59.0

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Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 37.62 ng

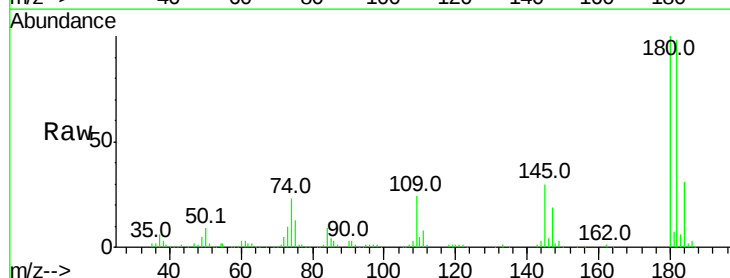
RT: 7.82 min Scan# 545

Delta R.T. -0.02 min

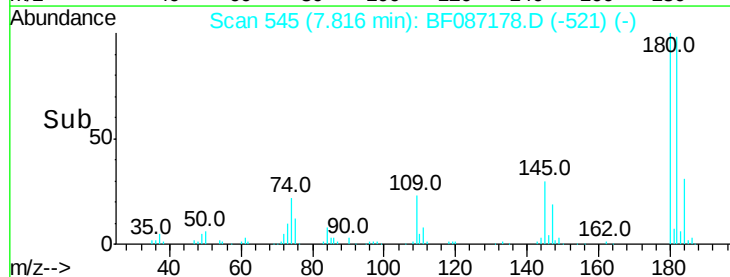
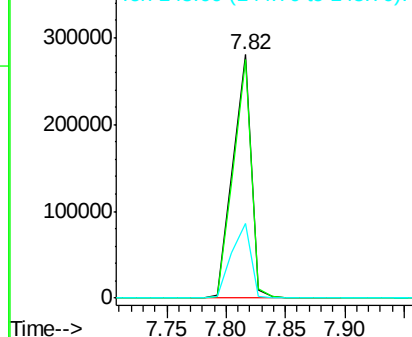
Lab File: BF087178.D

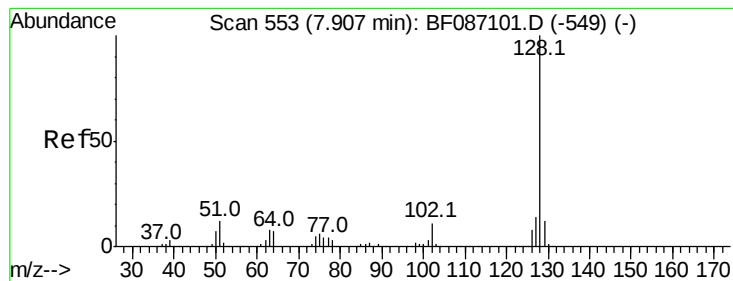
Acq: 19 May 2016 8:41

Tgt Ion:	180	Resp:	299976
Ion Ratio	Lower	Upper	
180	100		
182	98.1	78.0	117.0
145	30.4	24.2	36.2



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 38.83 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

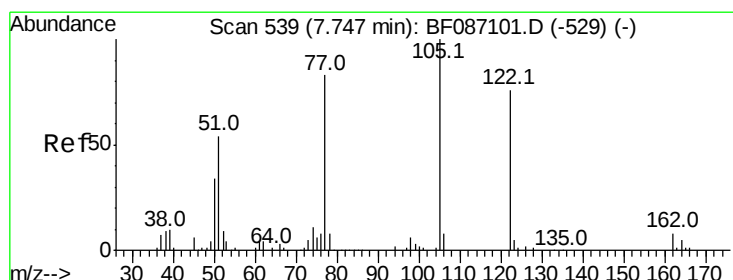
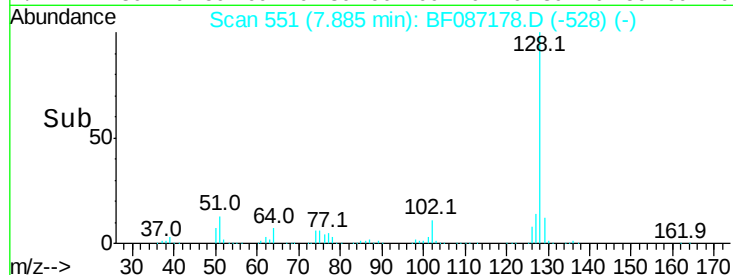
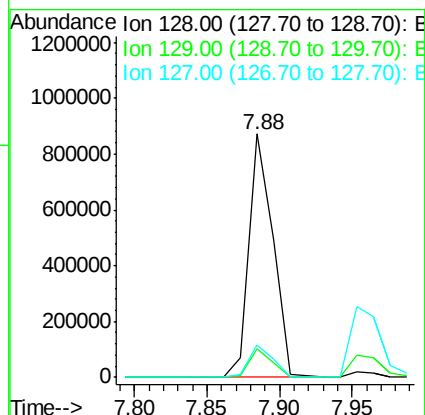
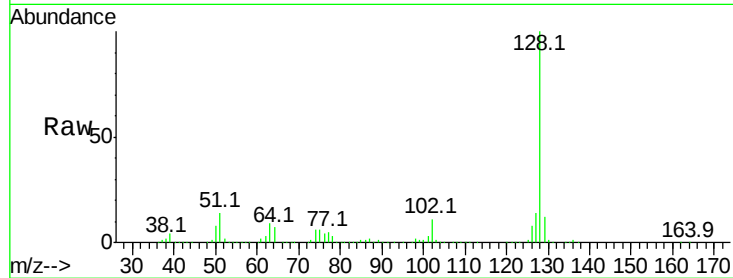
ClientSampleId :

RAV-GT-104MS

Tot Ion:	128	Resp:	998752
Ion Ratio	Lower	Upper	
128	100		
129	11.6	8.6	13.0
127	13.5	10.8	16.2

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#32

Benzoic acid

Concen: 10.23 ng

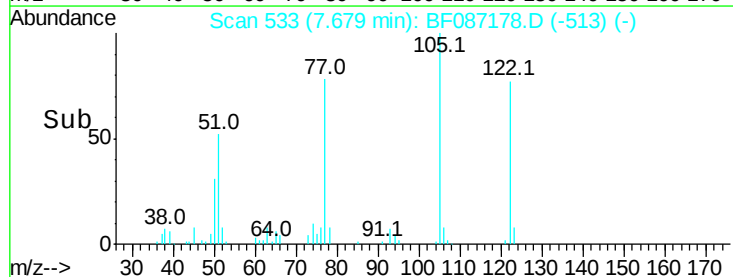
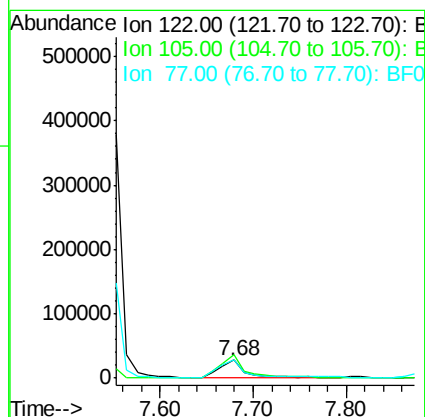
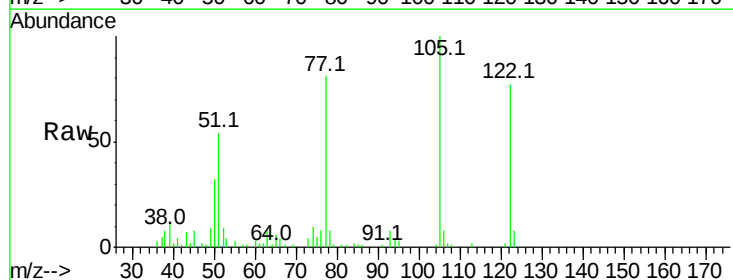
RT: 7.68 min Scan# 533

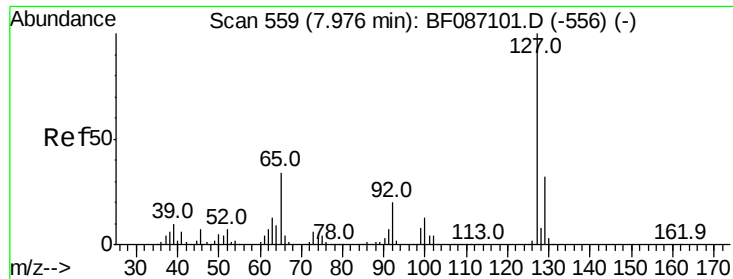
Delta R.T. -0.07 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tgt Ion:	122	Resp:	49716
Ion Ratio	Lower	Upper	
122	100		
105	129.3	92.6	132.6
77	104.5	60.0	100.0#





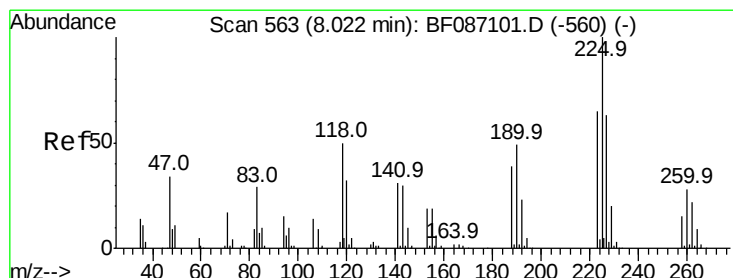
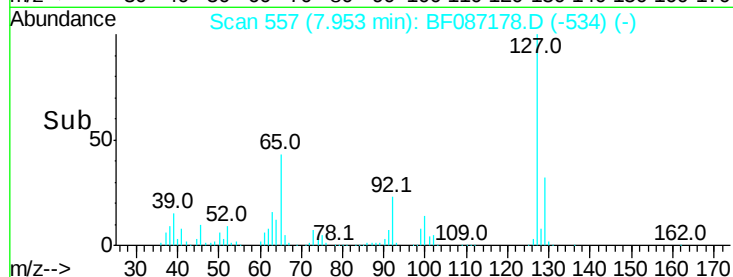
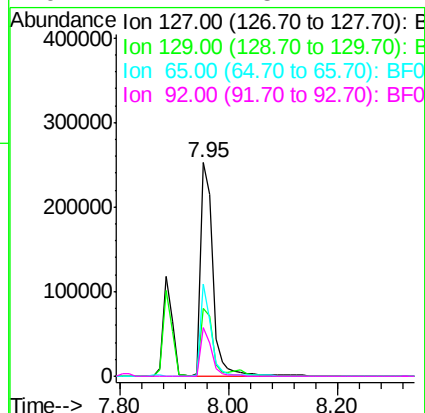
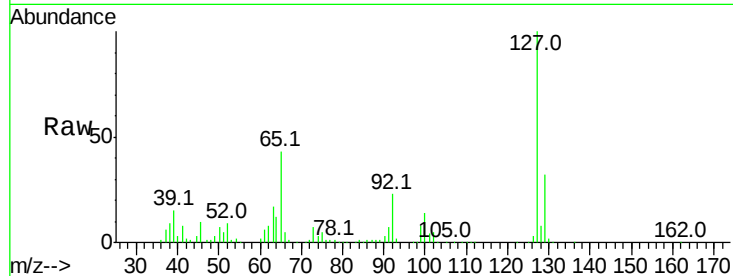
#33
4-Chloroaniline
Concen: 36.25 ng
RT: 7.95 min Scan# 557
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tot Ion	Ratio	Resp Lower	Upper
127	100		
129	31.9	26.2	39.4
65	43.3	23.0	34.4
92	22.7	15.1	22.7

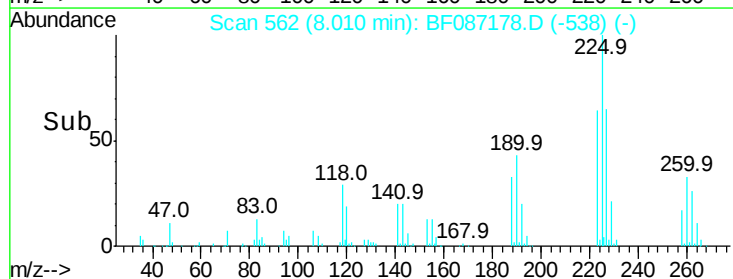
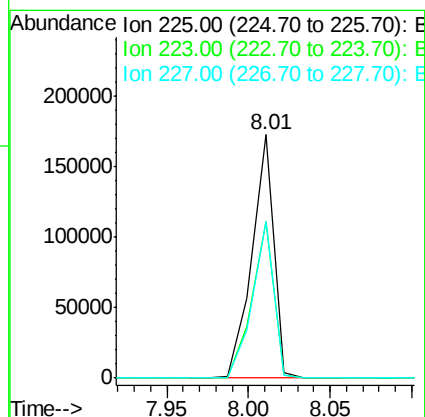
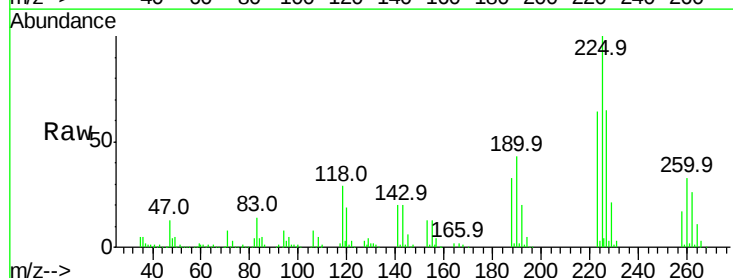
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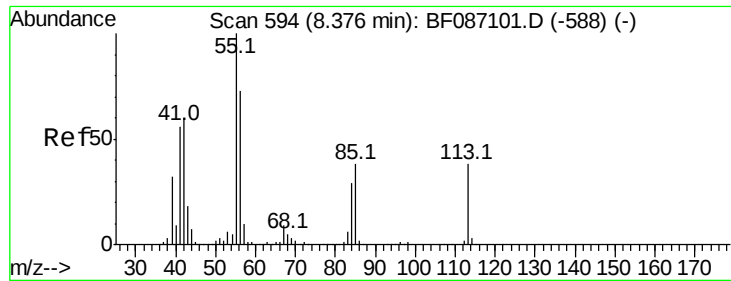
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#34
Hexachlorobutadiene
Concen: 35.50 ng
RT: 8.01 min Scan# 562
Delta R.T. -0.02 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	64.5	51.5	77.3
227	64.5	52.2	78.2





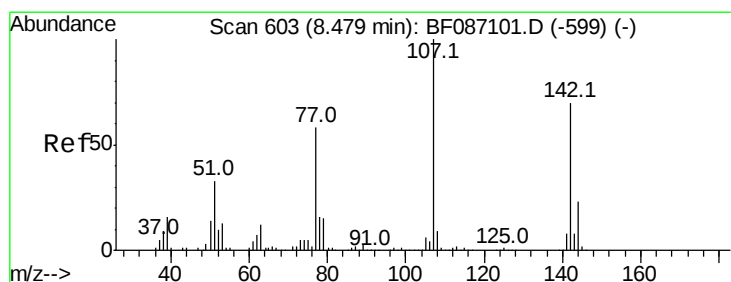
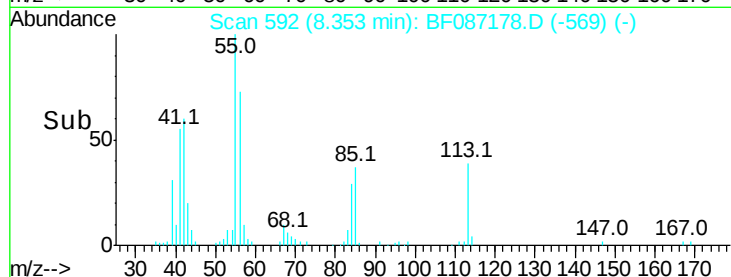
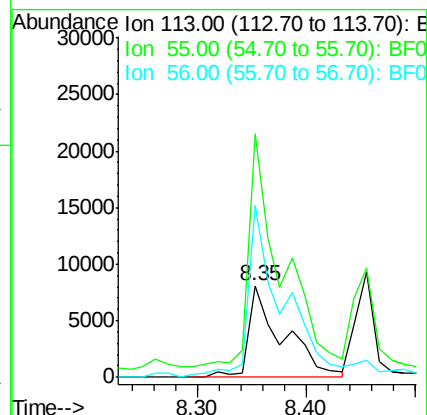
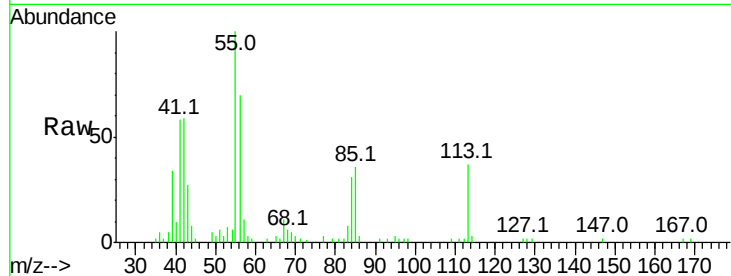
#35
Caprolactam
Concen: 7.37 ng
RT: 8.35 min Scan# 592
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	266.8	162.0	202.0#
56	188.1	115.3	155.3#

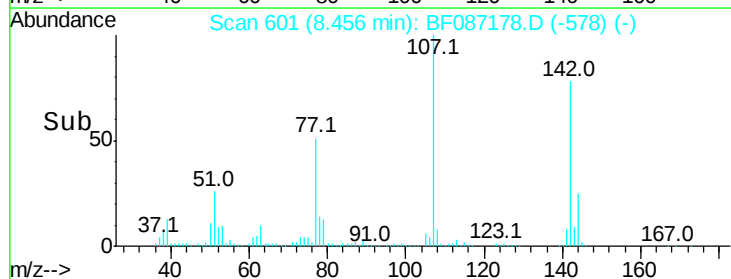
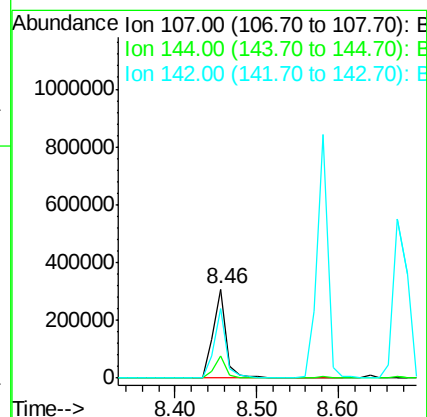
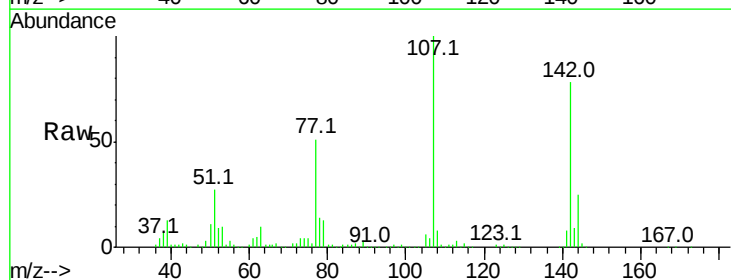
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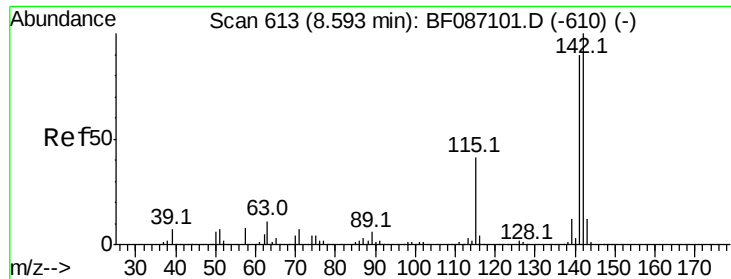
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#36
4-Chloro-3-methylphenol
Concen: 41.33 ng
RT: 8.46 min Scan# 601
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.7	31.1
142	77.8	63.2	94.8





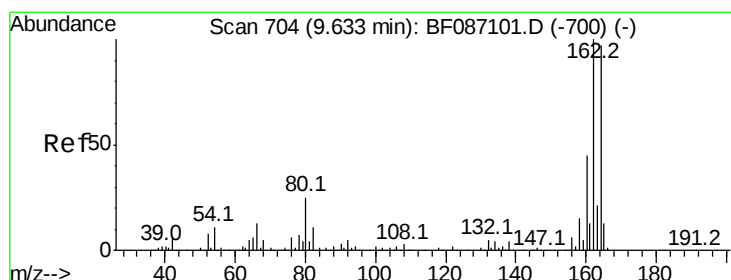
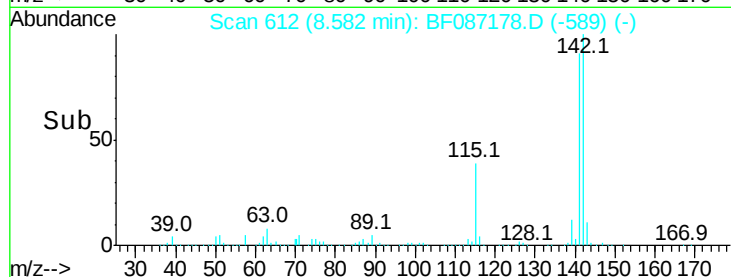
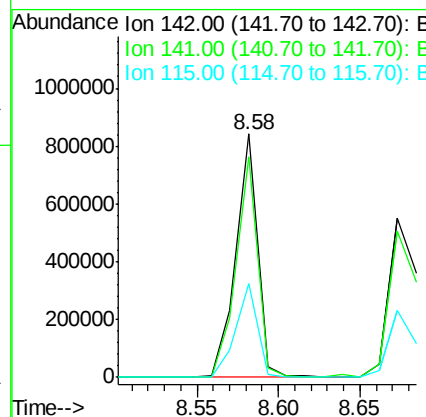
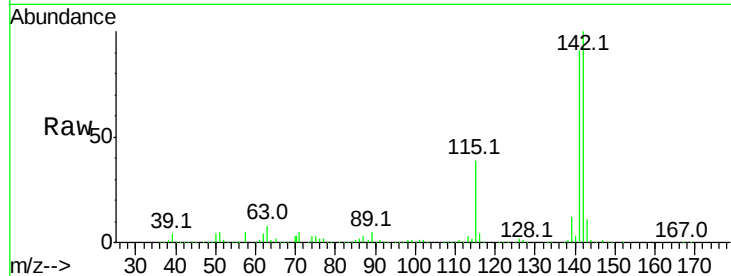
#37
2-Methylnaphthalene
Concen: 46.86 ng
RT: 8.58 min Scan# 612
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tot Ion	Ratio	Resp	Lower	Upper
142	100	771092		
141	90.5	71.0	106.6	
115	38.5	26.6	39.8	

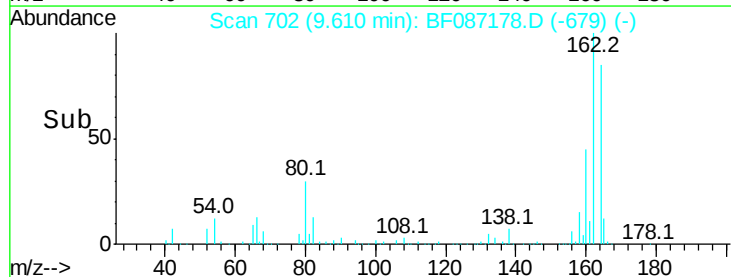
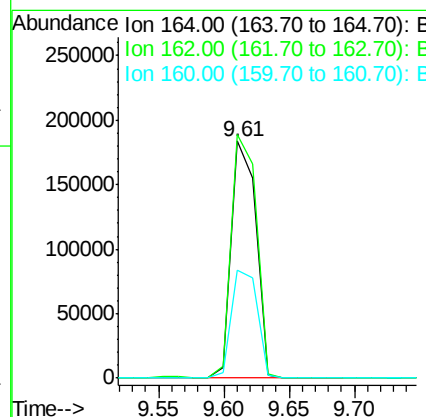
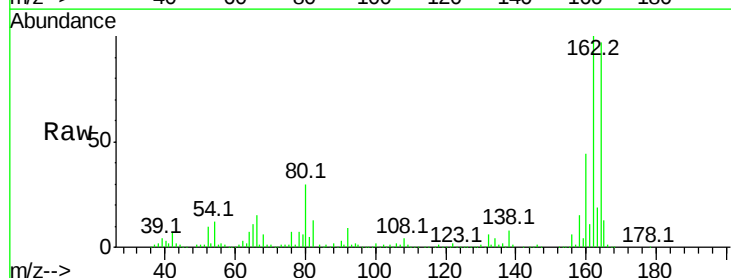
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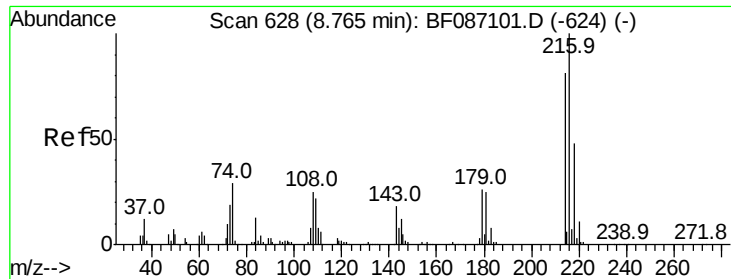
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	241148		
162	102.8	82.8	124.2	
160	45.7	36.9	55.3	





#39

1,2,4,5-Tetrachlorobenzene

Concen: 44.99 ng

RT: 8.75 min Scan# 627

Delta R.T. -0.02 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

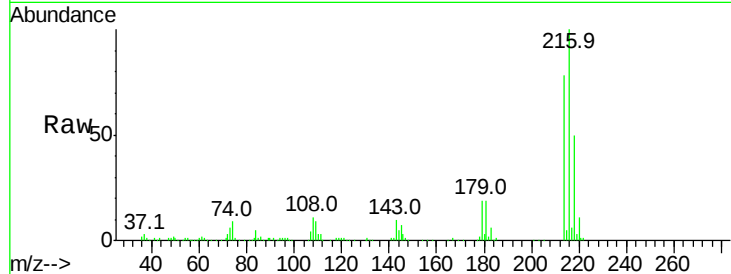
ClientSampleId :

RAV-GT-104MS

Tot Ion	Ratio	Resp Lower	Upper
216	100		
214	78.8	62.6	93.8
179	22.9	18.2	27.4
108	21.4	17.5	26.3

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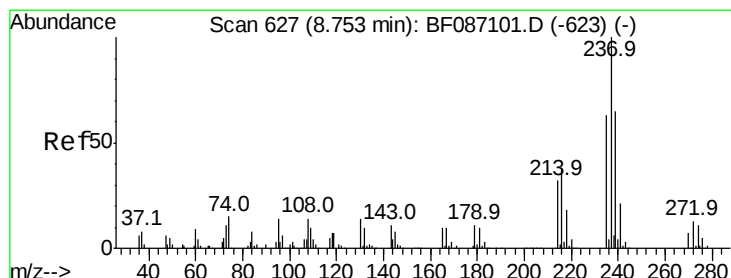
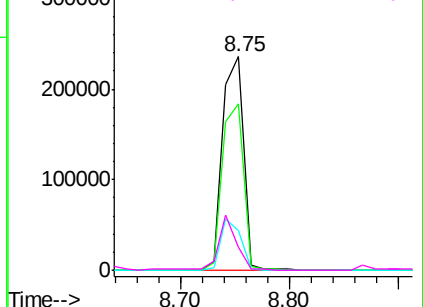
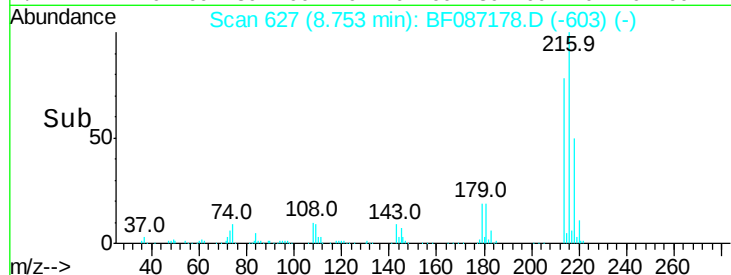


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 40.88 ng

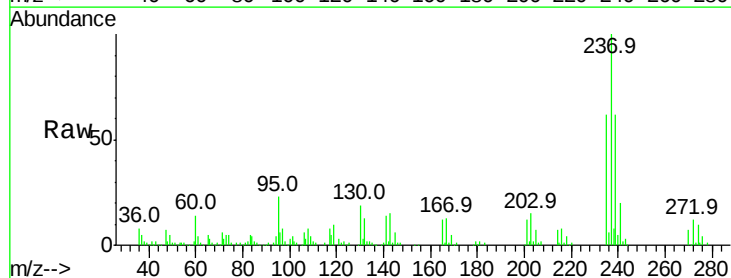
RT: 8.73 min Scan# 625

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

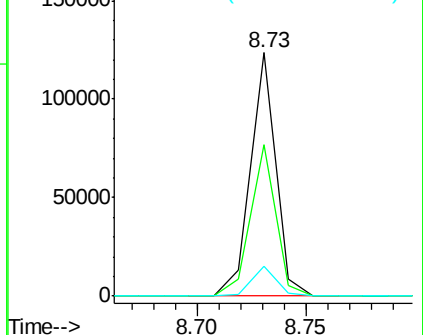
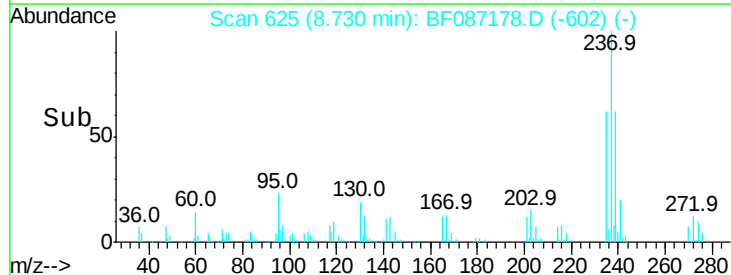
Tgt Ion	Ratio	Resp Lower	Upper
237	100		
235	62.0	47.2	87.2
272	12.3	0.0	31.1

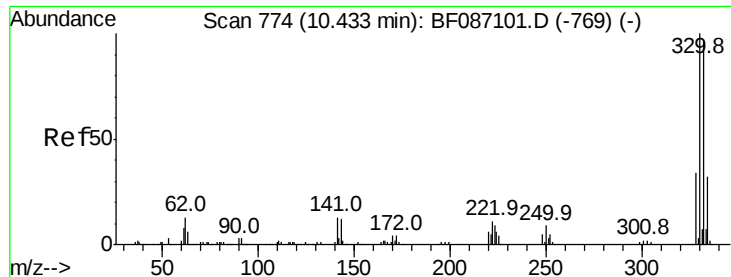


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





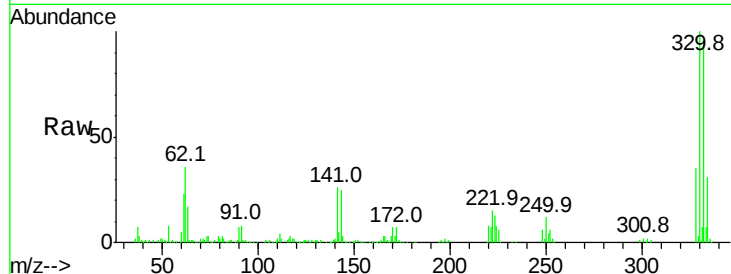
#41
 2,4,6-Tribromophenol
 Concen: 147.01 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

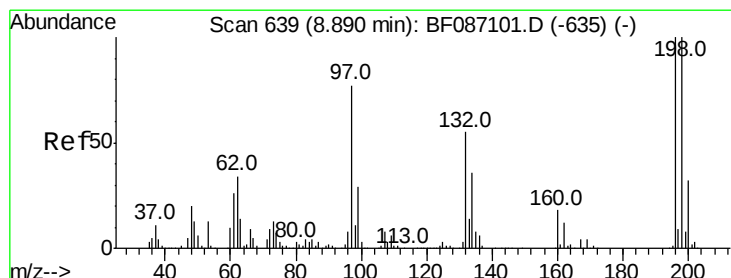
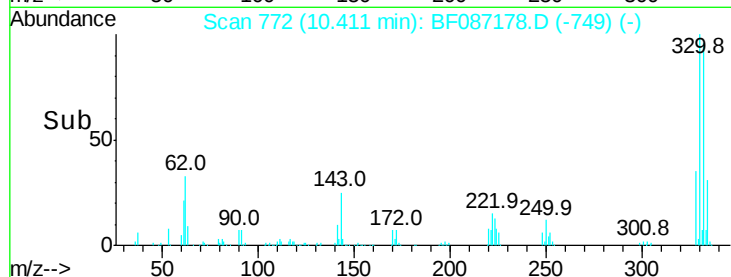
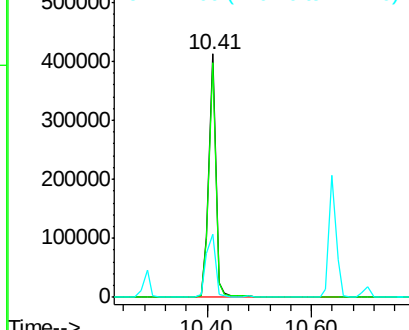
Tot Ion	Ratio	Resp	Lower	Upper
330	100	391744		
332	96.0	79.0	118.4	
141	34.4	31.2	46.8	

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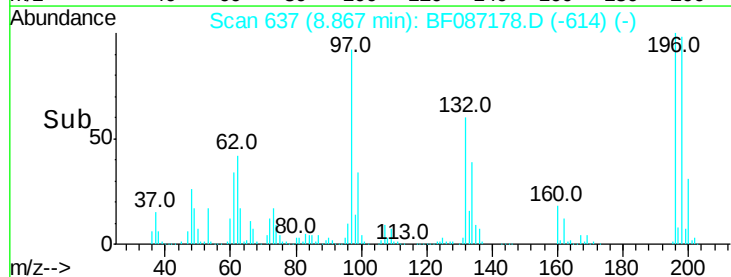
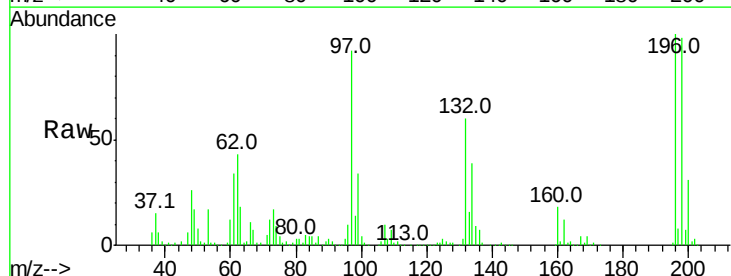
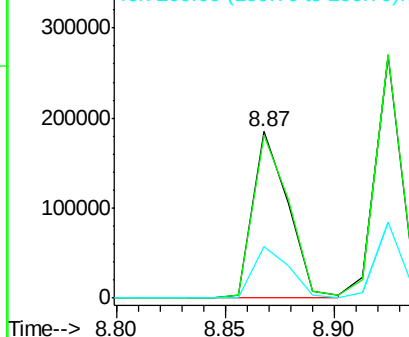
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

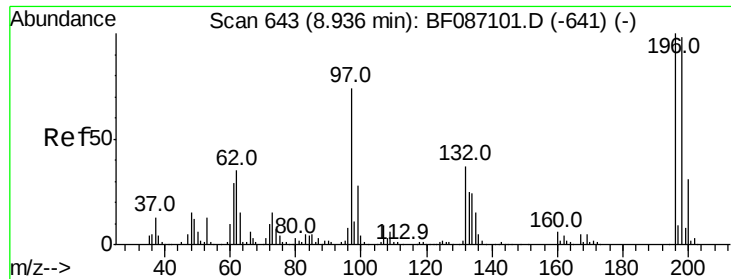


#42
 2,4,6-Trichlorophenol
 Concen: 45.74 ng
 RT: 8.87 min Scan# 637
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	208935		
198	97.8	74.7	112.1	
200	30.8	23.8	35.6	

Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





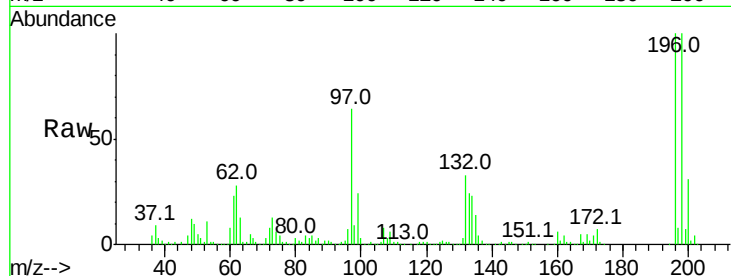
#43
 2,4,5-Trichlorophenol
 Concen: 50.16 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.02 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

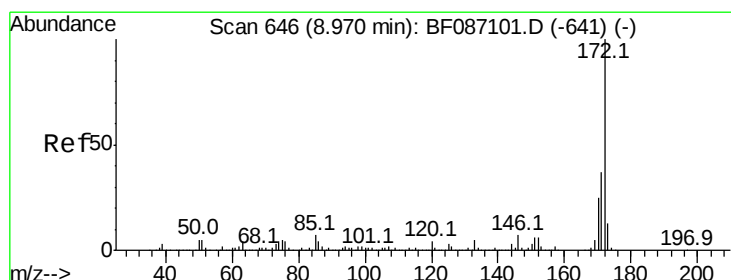
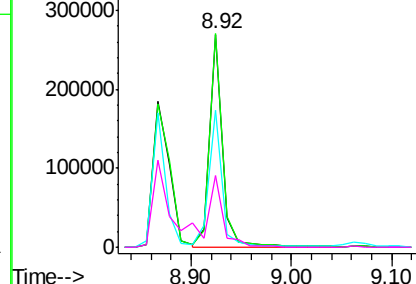
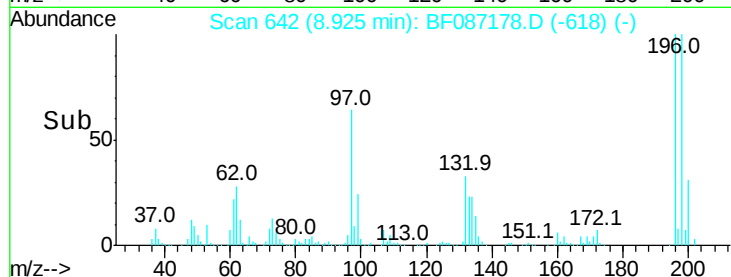
Tot Ion	Ion	Ratio	Resp	Lower	Upper
196	100		237991		
198	100.3	77.5	116.3		
97	64.2	34.8	52.2		
132	33.5	23.0	34.4		

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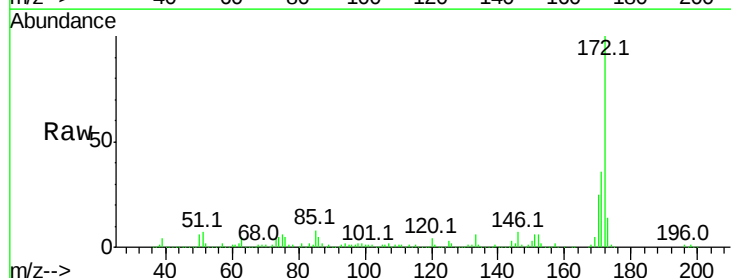


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

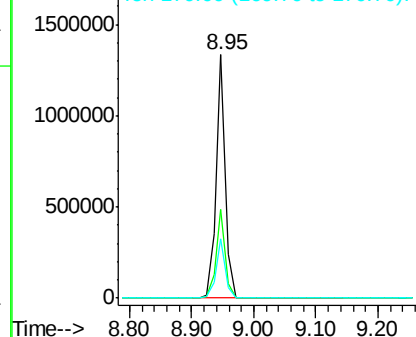
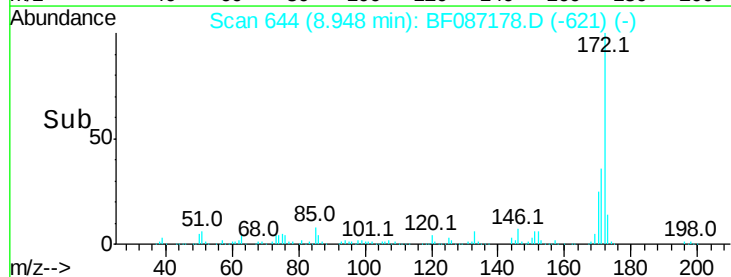


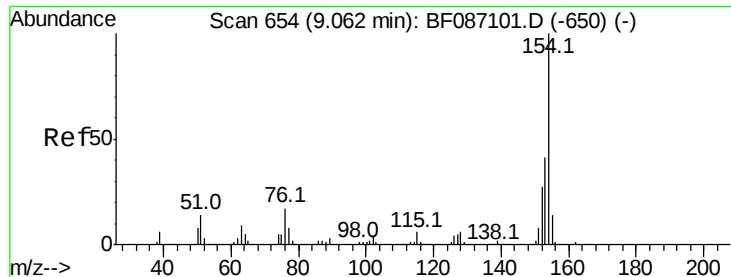
#44
 2-Fluorobiphenyl
 Concen: 92.75 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
172	100		1350442		
171	36.4	29.0	43.6		
170	24.6	19.8	29.8		



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





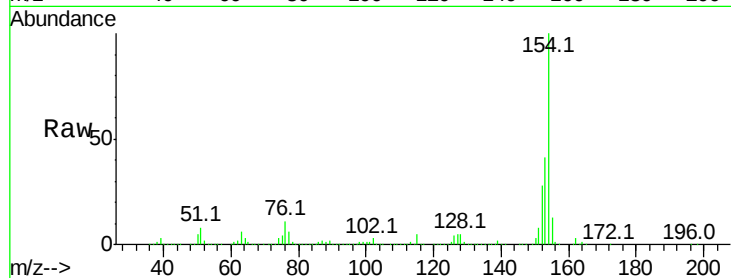
#45
 1,1'-Biphenyl
 Concen: 50.78 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Instrument :
 BNA_F
 ClientSampled :
 RAV-GT-104MS

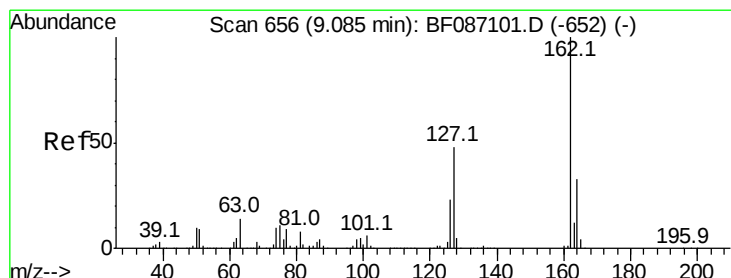
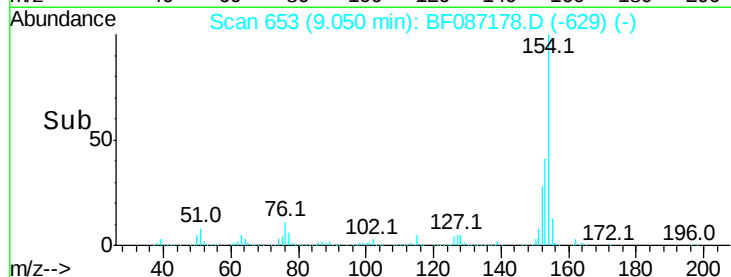
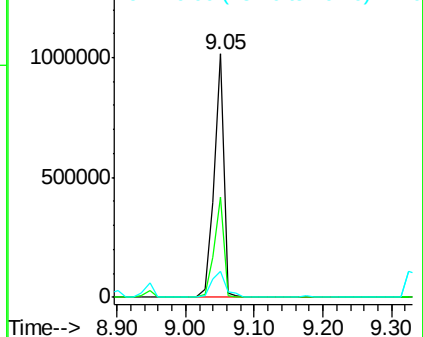
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.3	60.3
76	10.9	0.0	30.2

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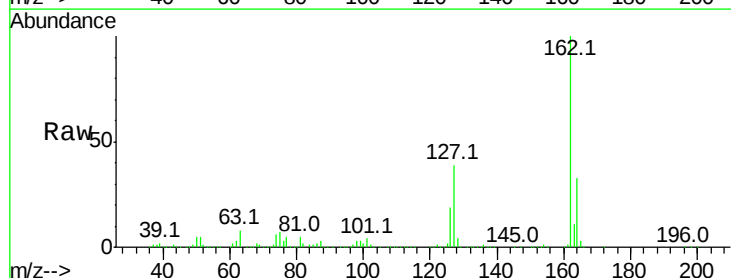


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BFO

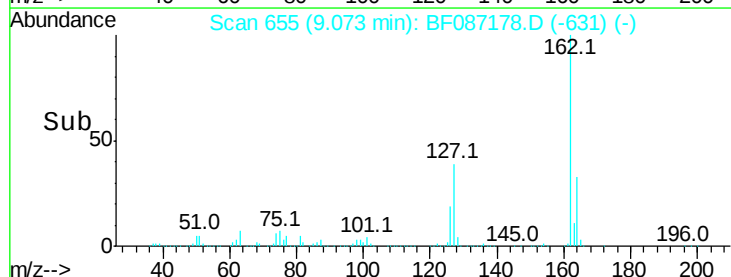
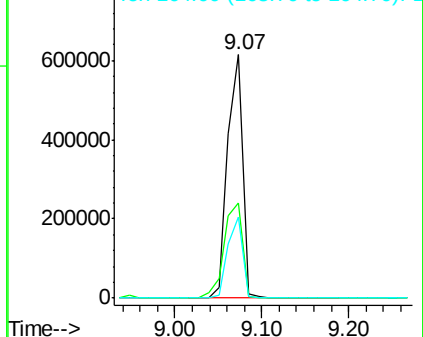


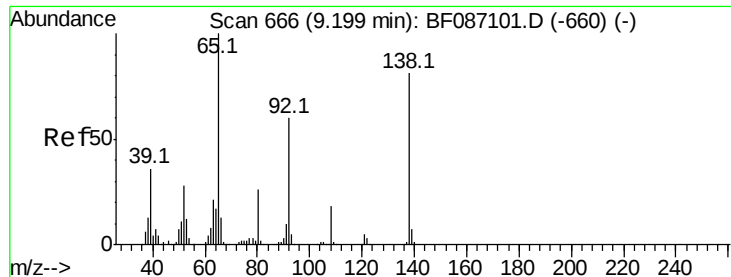
#46
 2-Chloronaphthalene
 Concen: 48.23 ng
 RT: 9.07 min Scan# 655
 Delta R.T. -0.02 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.2	31.8	47.6
164	33.1	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





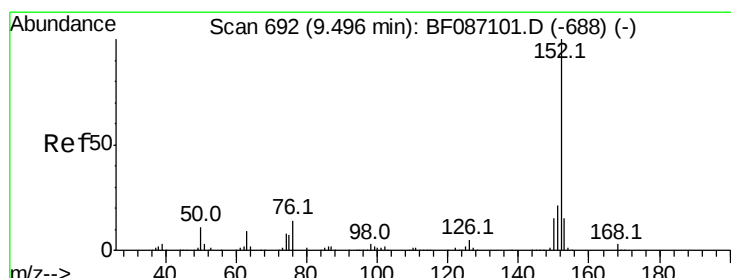
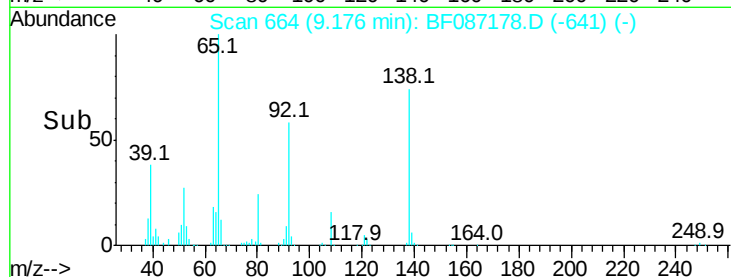
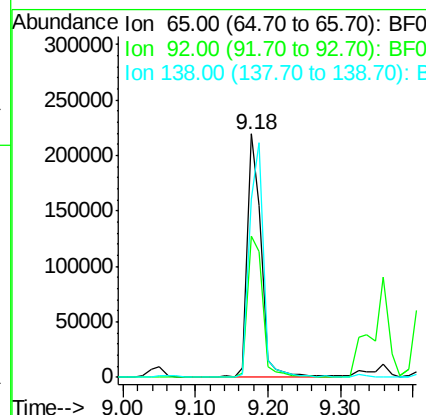
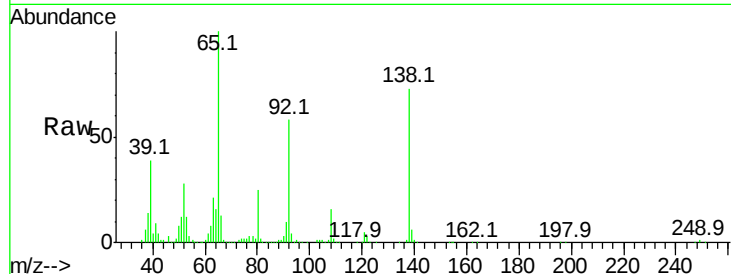
#47
2-Nitroaniline
Concen: 48.90 ng
RT: 9.18 min Scan# 664
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tot Ion	Ratio	Lower	Upper
65	100		
92	57.9	57.4	86.2
138	73.3	90.1	135.1#

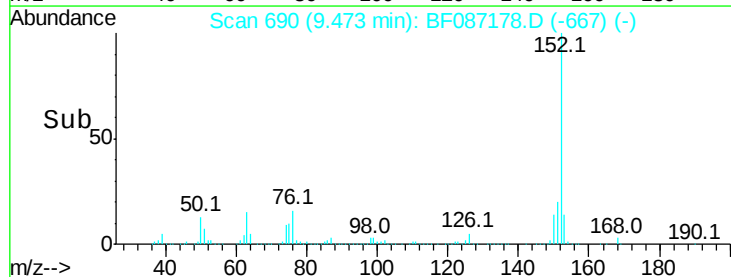
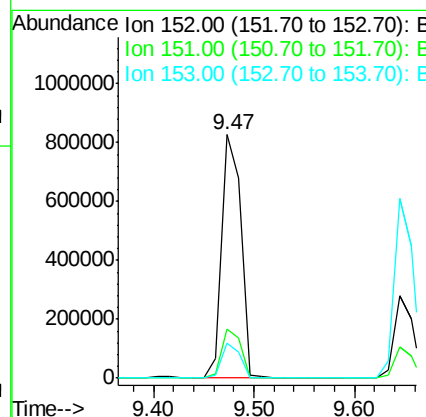
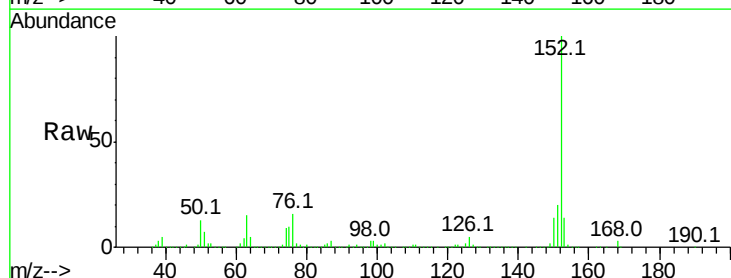
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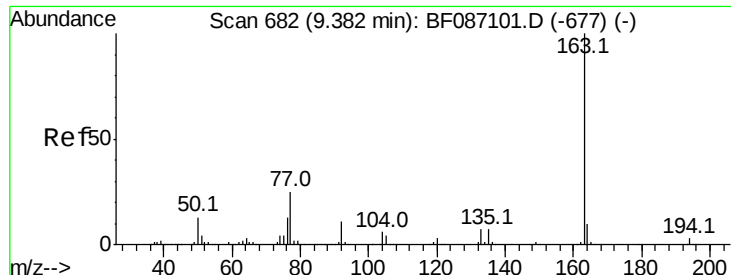
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#48
Acenaphthylene
Concen: 46.84 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.8	25.2
153	14.4	10.9	16.3





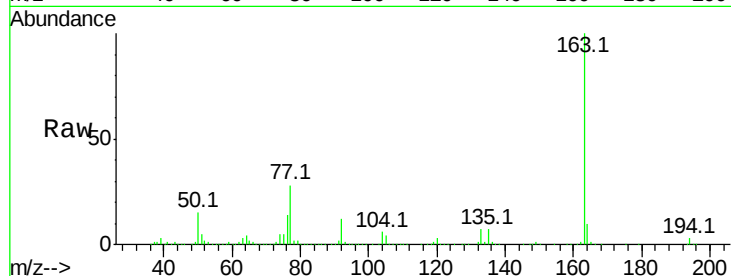
#49
Dimethylphthalate
Concen: 51.95 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

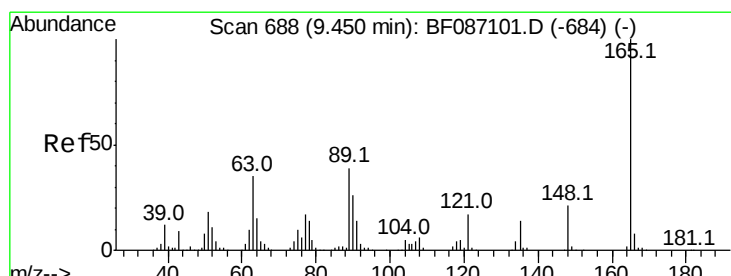
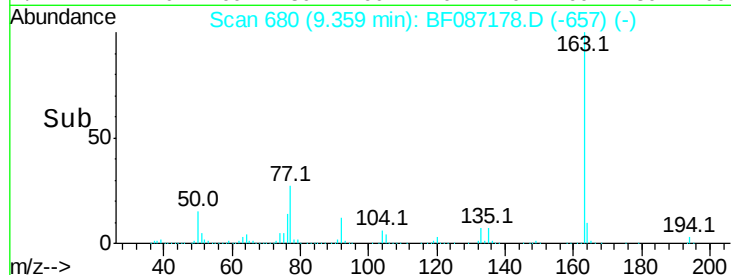
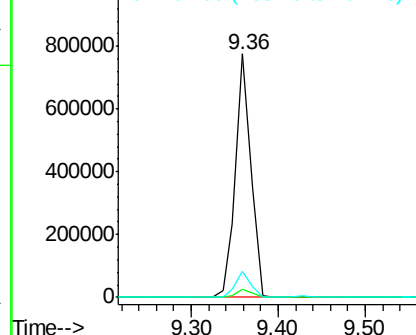
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.2	2.6	4.0	
164	10.5	8.2	12.4	

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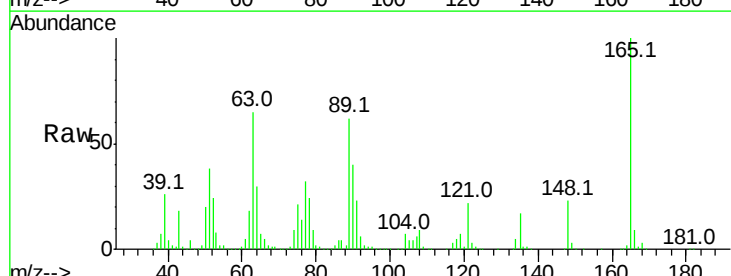


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

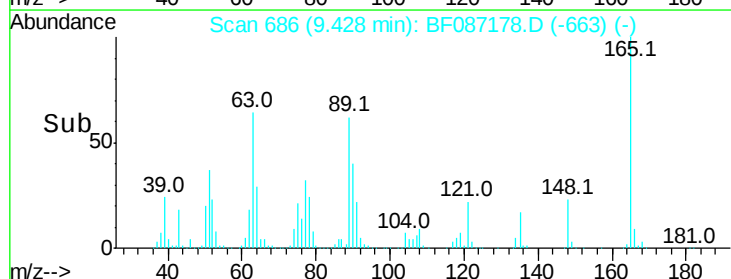
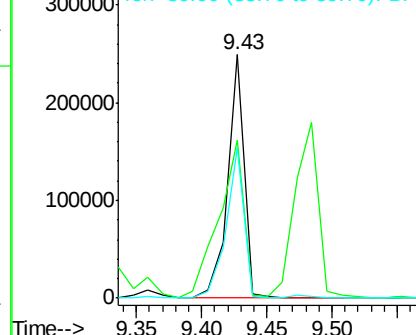


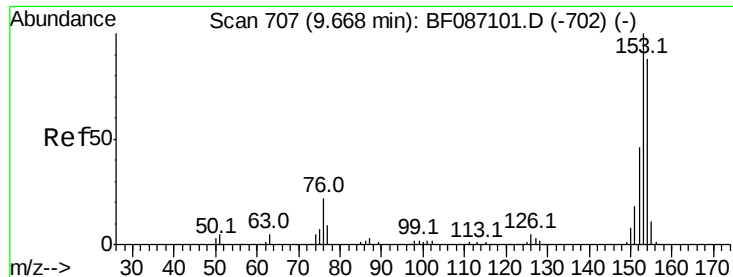
#50
2,6-Dinitrotoluene
Concen: 55.24 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	65.0	51.8	77.8	
89	61.7	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: 46.44 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

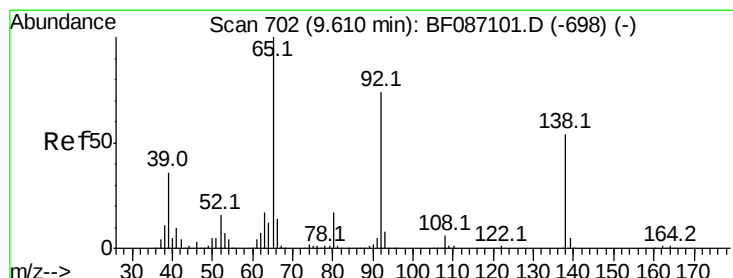
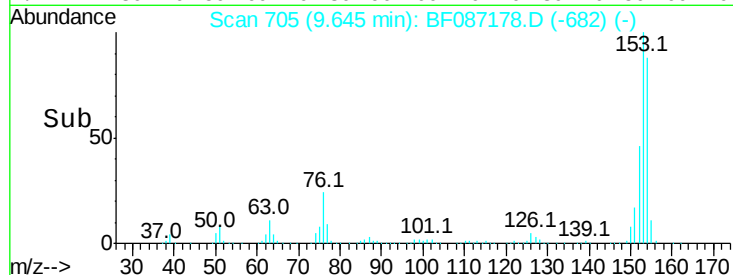
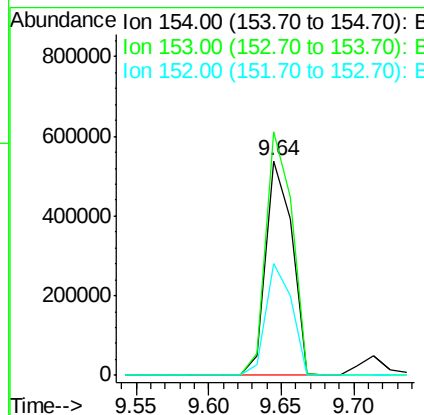
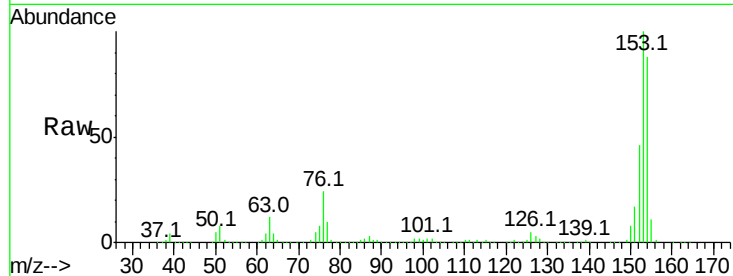
ClientSampleId :

RAV-GT-104MS

Tot Ion:	154	Resp:	680077
Ion Ratio	Lower	Upper	
154	100		
153	113.6	89.8	134.6
152	52.1	43.4	65.0

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#52

3-Nitroaniline

Concen: 39.04 ng

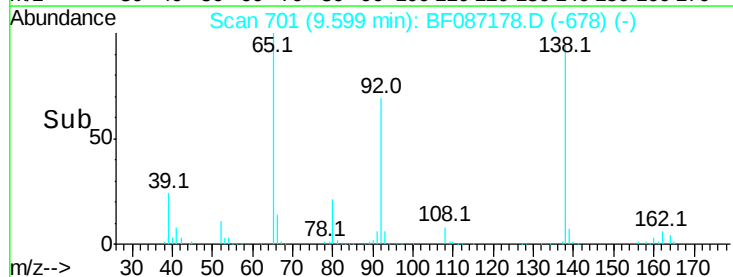
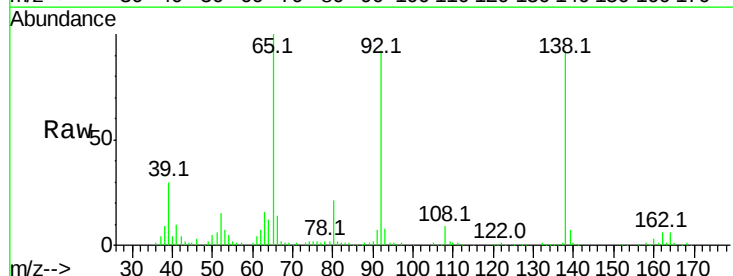
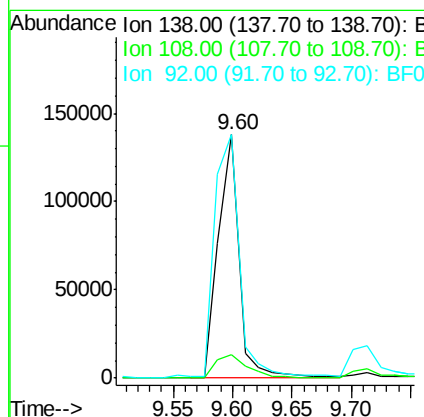
RT: 9.60 min Scan# 701

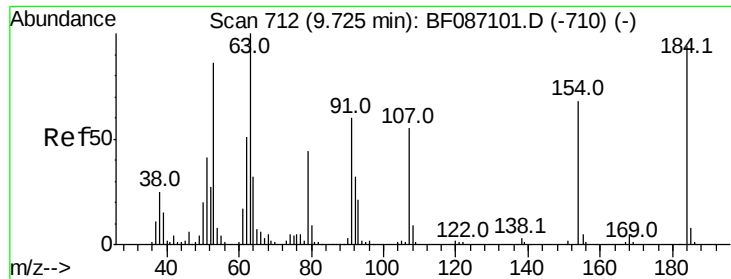
Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tgt Ion:	138	Resp:	168794
Ion Ratio	Lower	Upper	
138	100		
108	9.6	7.8	11.6
92	100.1	87.8	131.8





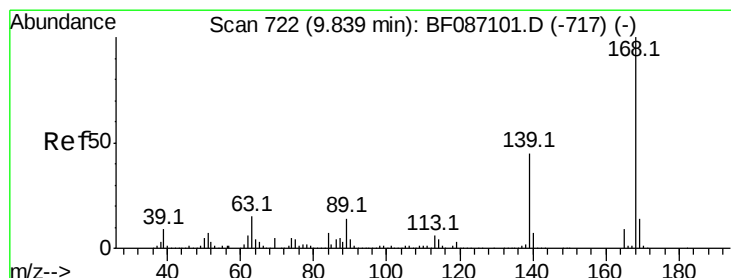
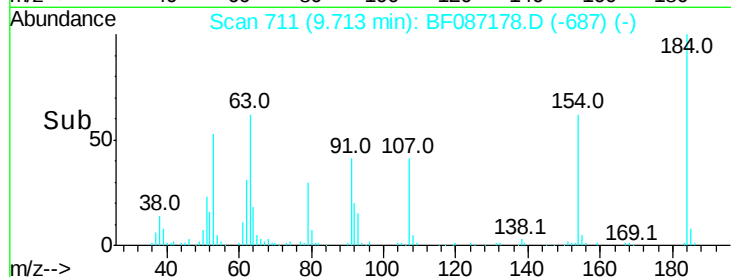
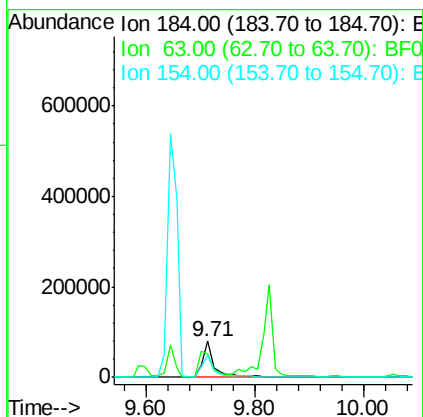
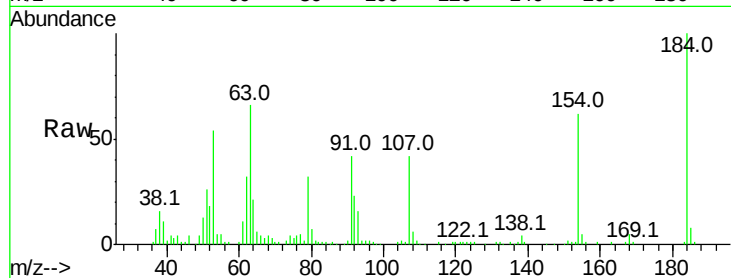
#53
2,4-Dinitrophenol
Concen: 55.33 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.02 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tot Ion	Ratio	Resp Lower	Resp Upper
184	100		
63	66.3	55.8	83.8
154	62.1	62.4	93.6

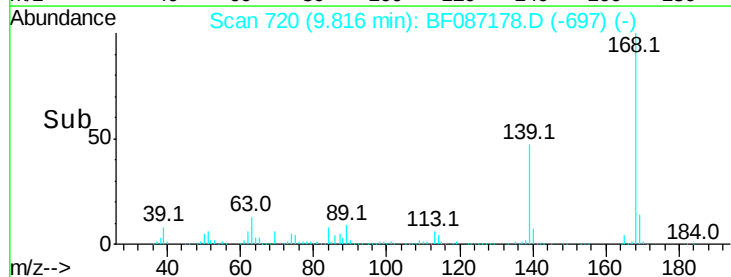
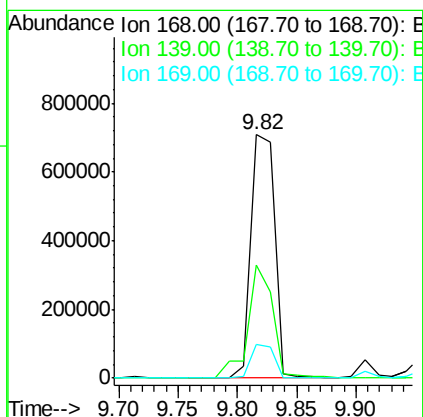
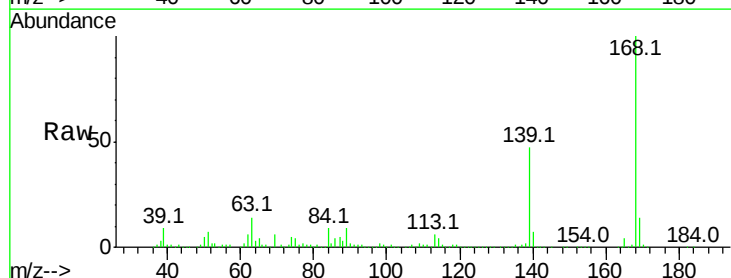
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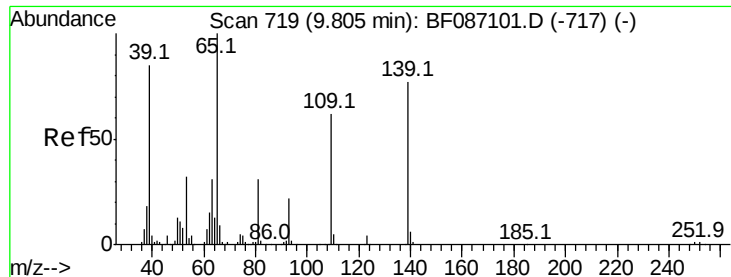
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#54
Dibenzofuran
Concen: 52.59 ng
RT: 9.82 min Scan# 720
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
168	100		
139	46.7	31.4	47.0
169	14.0	10.7	16.1





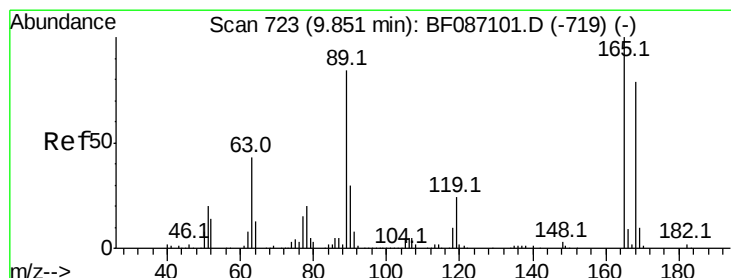
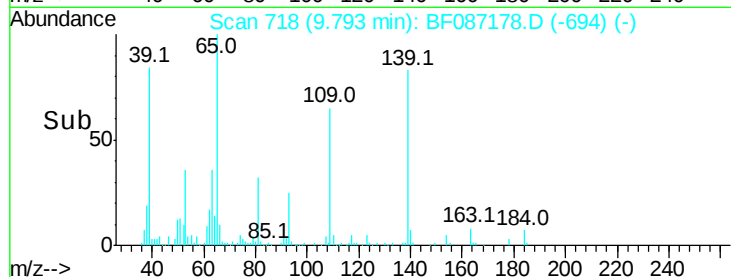
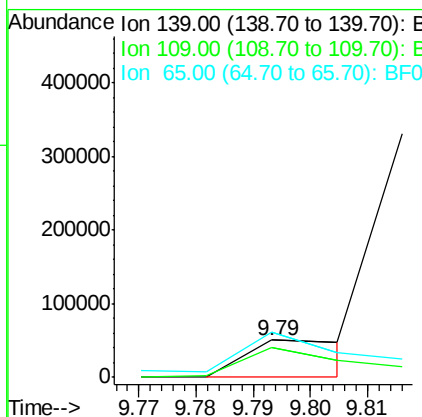
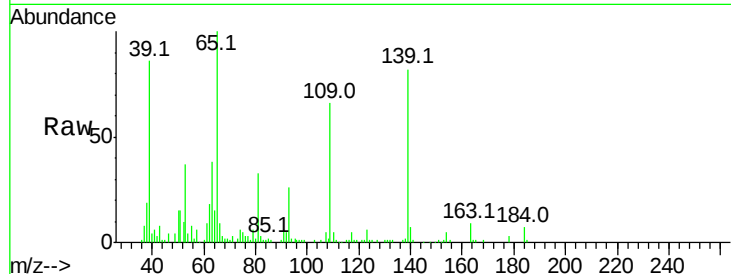
#55
4-Nitrophenol
Concen: 34.90 ng/ml
RT: 9.79 min Scan# 718
Delta R.T. -0.02 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tot Ion	Ratio	Resp	Lower	Upper
139	100	67733		
109	79.7	36.9	76.9#	
65	121.2	64.0	104.0#	

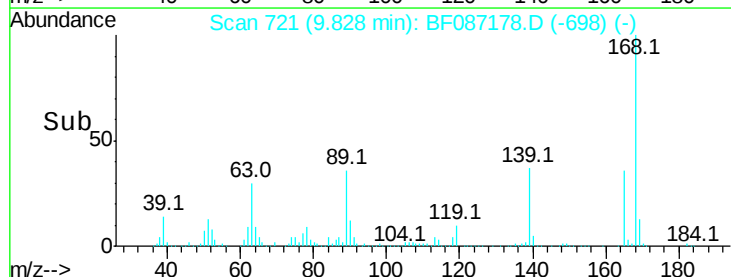
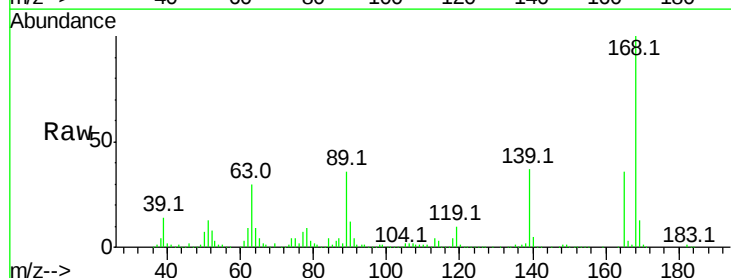
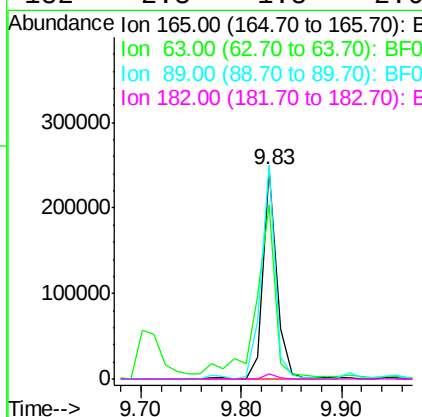
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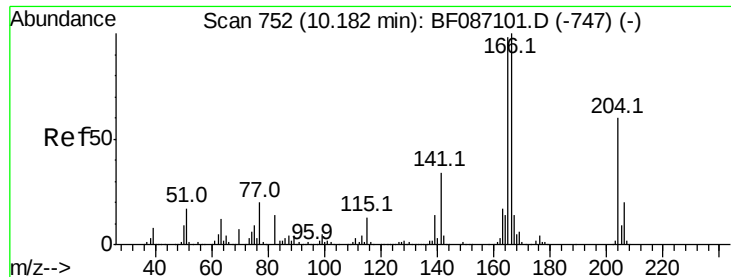
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#56
2,4-Dinitrotoluene
Concen: 45.92 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	234934		
63	83.1	44.3	66.5#	
89	101.9	70.0	105.0	
182	2.3	1.8	2.6	





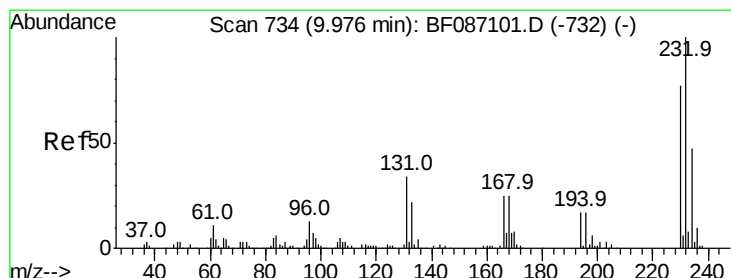
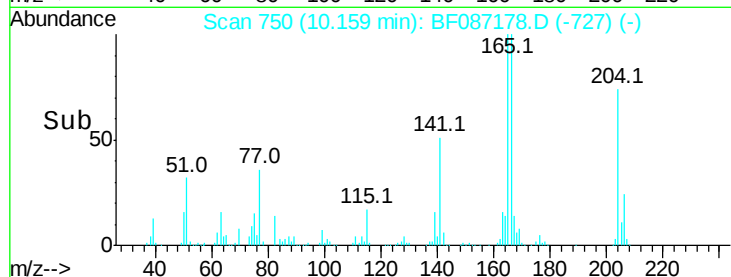
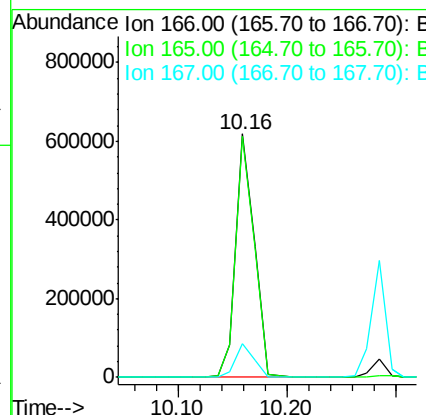
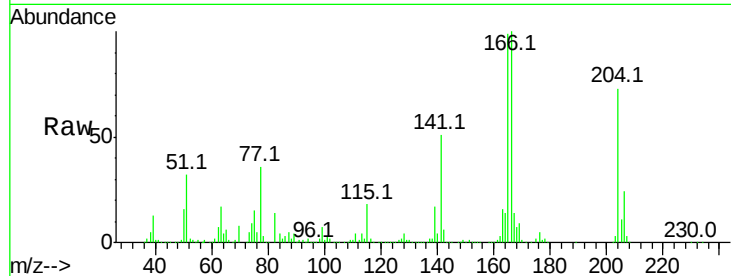
#57
 Fluorene
 Concen: 47.26 ng
 RT: 10.16 min Scan# 750
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Tot Ion	Ratio	Resp	Lower	Upper
166	100	719067		
165	98.9	79.0	118.6	
167	13.8	10.6	15.8	

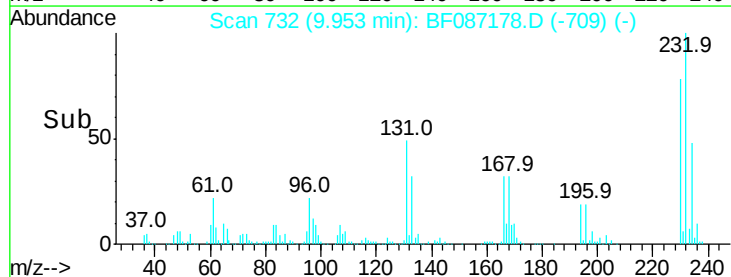
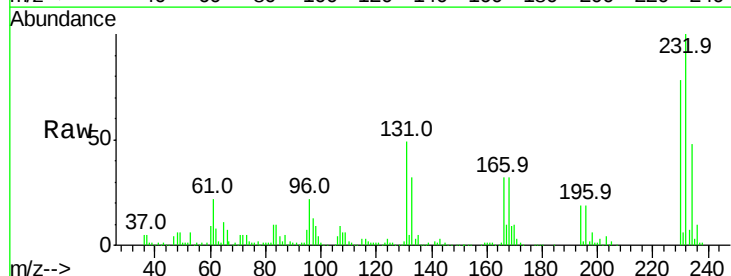
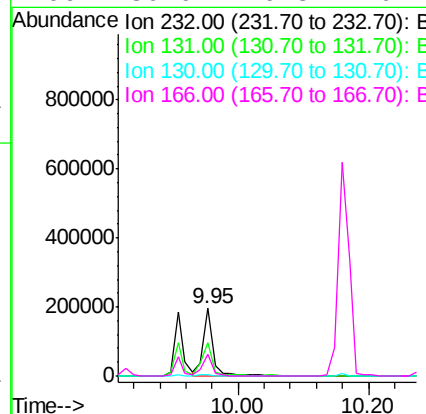
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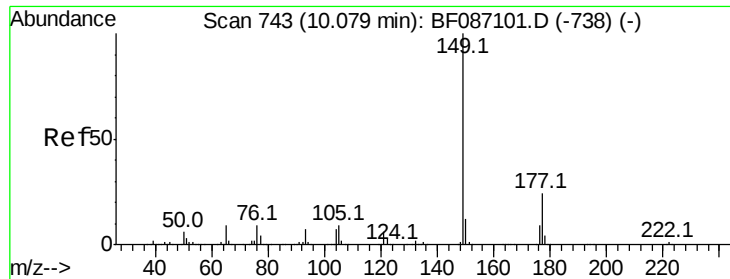
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#58
 2,3,4,6-Tetrachlorophenol
 Concen: 55.20 ng
 RT: 9.95 min Scan# 732
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	204004		
131	51.9	41.9	62.9	
130	2.9	2.2	3.4	
166	30.9	26.8	40.2	





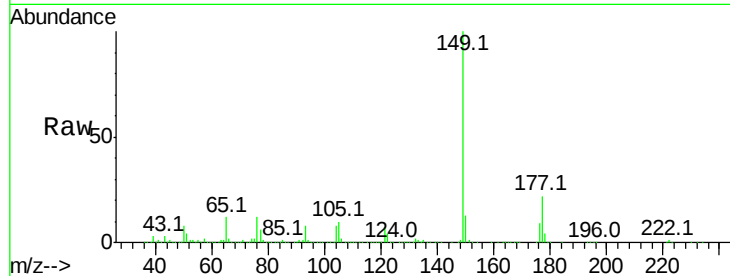
#59
Diethylphthalate
Concen: 55.84 ng
RT: 10.06 min Scan# 741
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

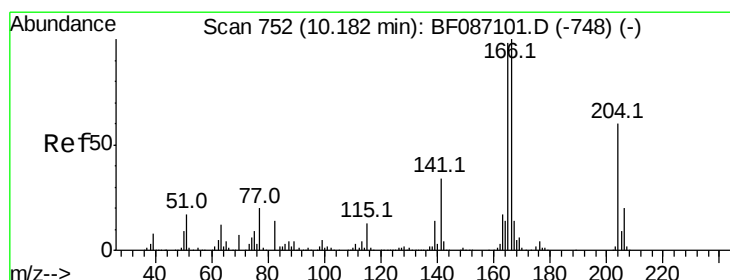
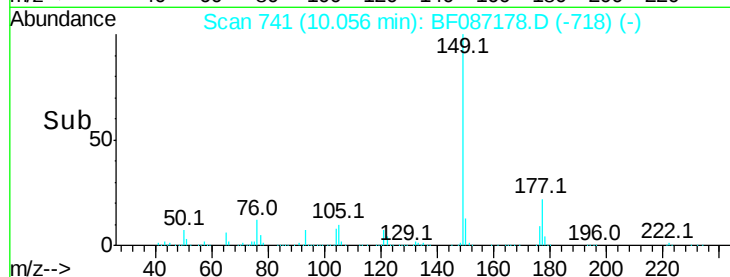
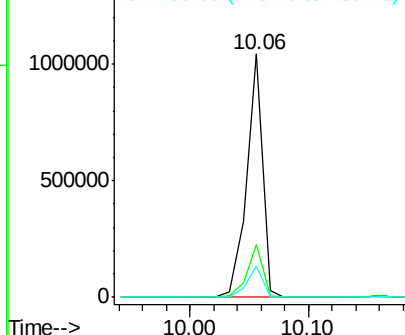
Tot Ion	Ratio	Resp Lower	Upper
149	100		
177	21.7	16.6	24.8
150	12.8	10.0	15.0

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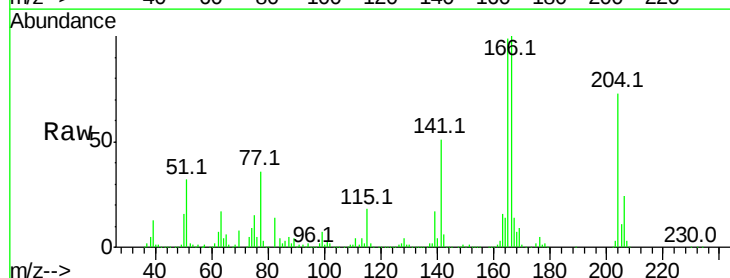


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

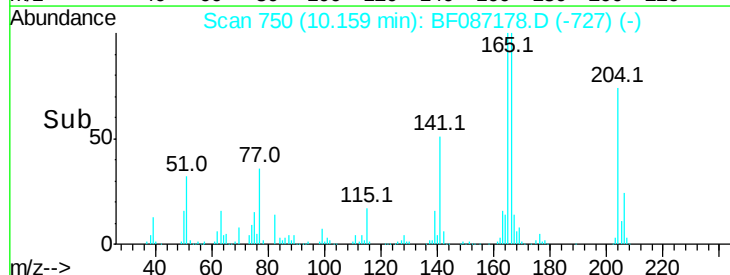
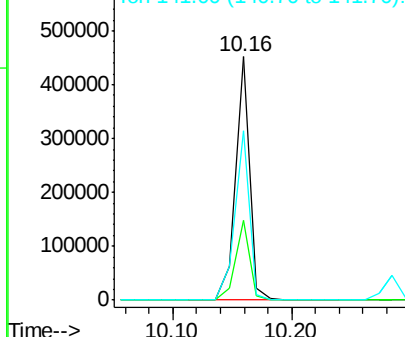


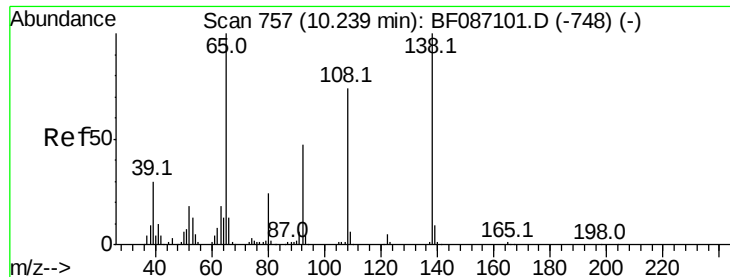
#60
4-Chlorophenyl-phenylether
Concen: 51.58 ng
RT: 10.16 min Scan# 750
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Resp Lower	Upper
204	100		
206	32.9	25.4	38.0
141	69.7	61.6	92.4



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 44.25 ng

RT: 10.20 min Scan# 754

Delta R.T. -0.05 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

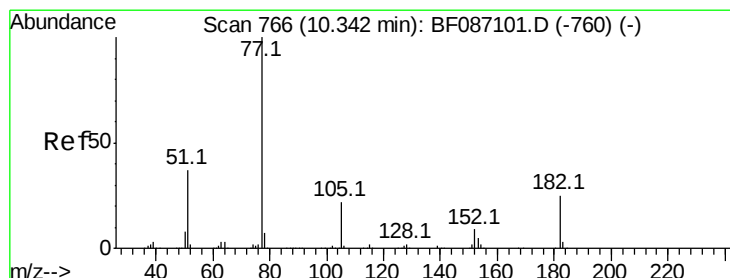
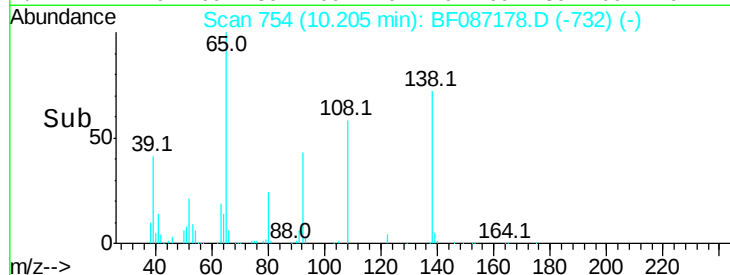
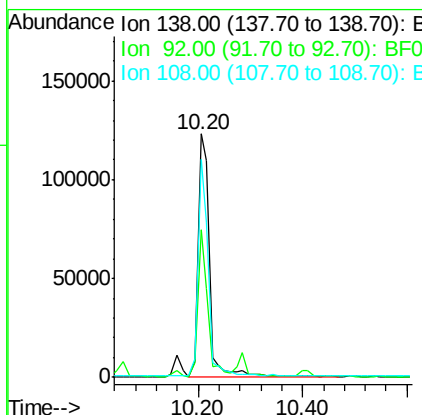
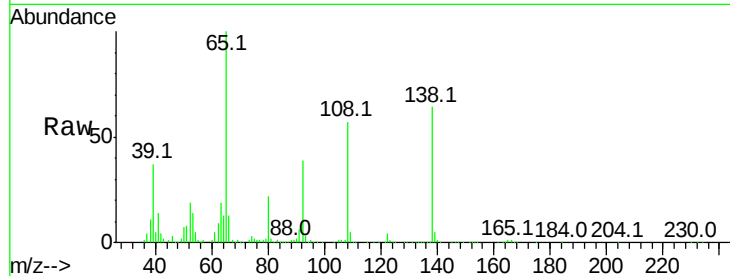
ClientSampleId :

RAV-GT-104MS

Tot Ion:	138	Resp:	188900
Ion Ratio	Lower	Upper	
138	100		
92	60.8	24.7	64.7
108	89.6	37.4	77.4#

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#62

Azobenzene

Concen: 54.74 ng

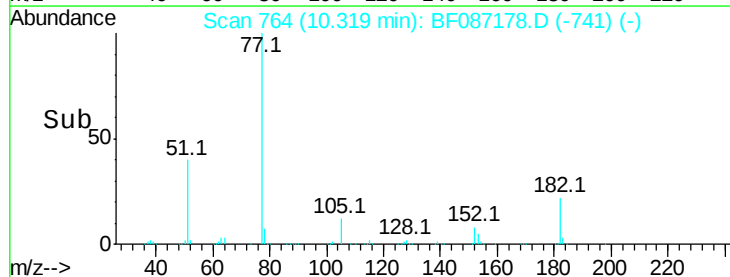
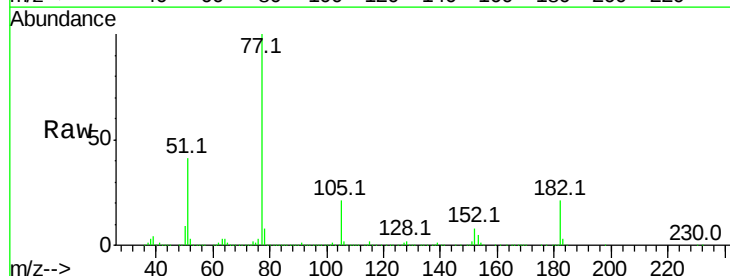
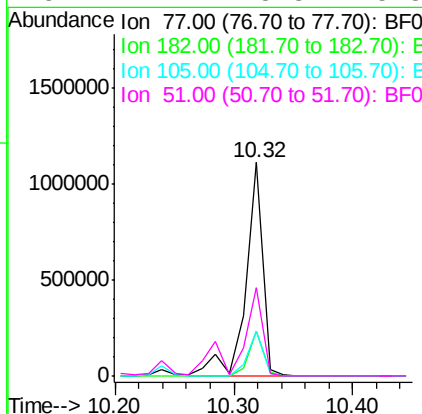
RT: 10.32 min Scan# 764

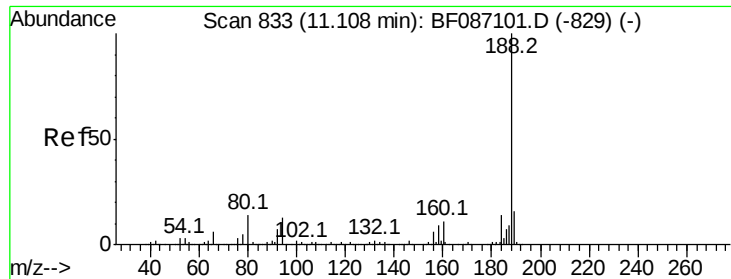
Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tgt Ion:	77	Resp:	1107674
Ion Ratio	Lower	Upper	
77	100		
182	20.9	0.0	38.8
105	21.1	3.2	43.2
51	41.2	8.8	48.8





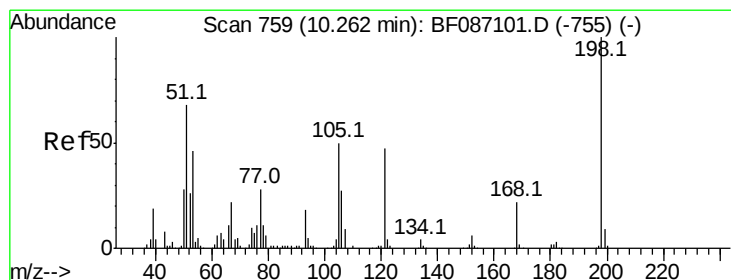
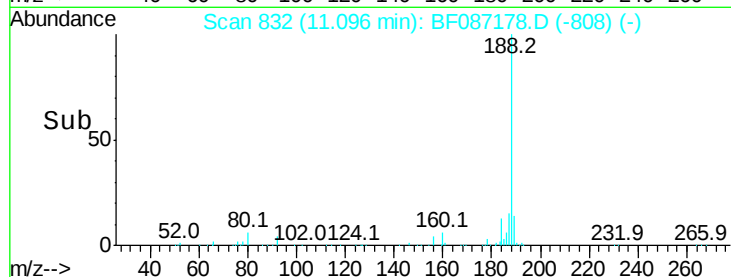
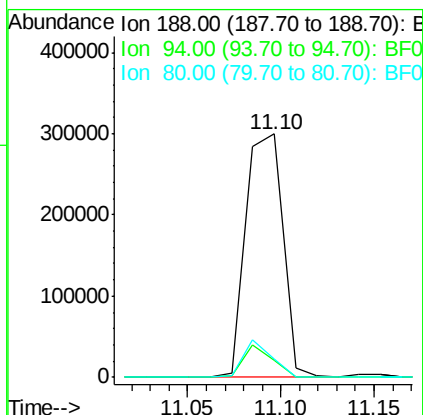
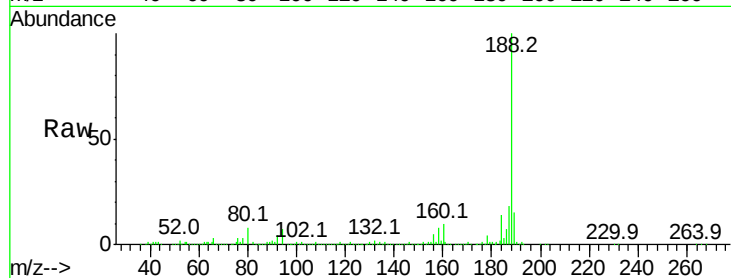
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.02 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.1	6.8	10.2
80	7.5	7.1	10.7

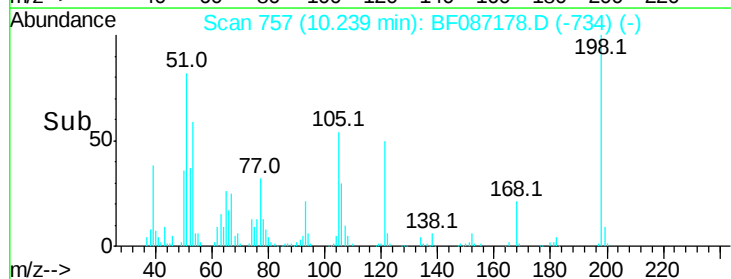
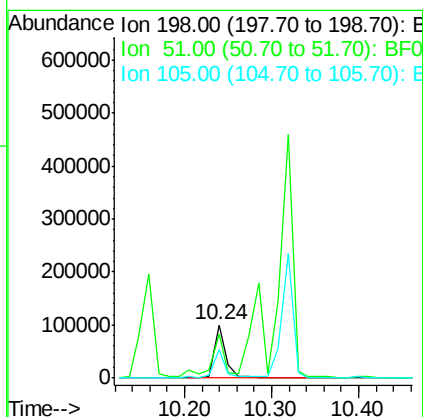
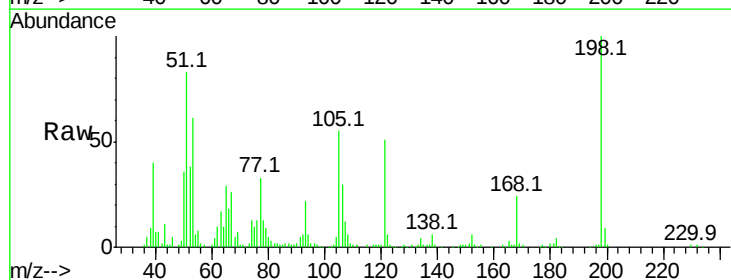
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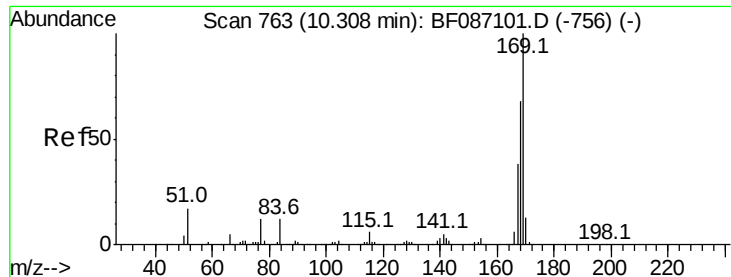
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#64
4,6-Dinitro-2-methylphenol
Concen: 36.24 ng
RT: 10.24 min Scan# 757
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	82.6	20.5	60.5#
105	54.7	24.5	64.5





#65

n-Nitrosodiphenylamine

Concen: 55.90 ng

RT: 10.28 min Scan# 761

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

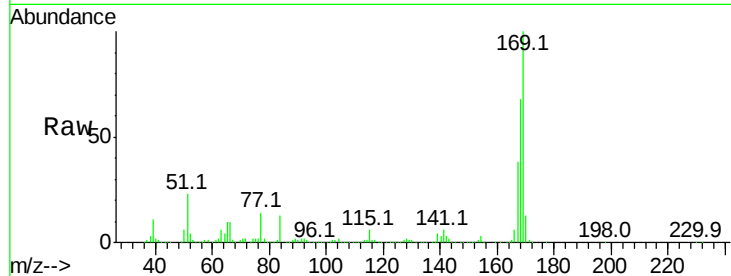
ClientSampled :

RAV-GT-104MS

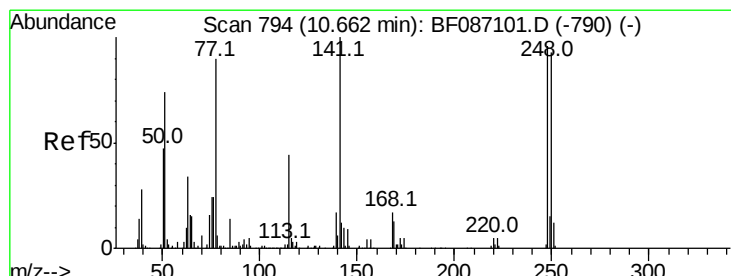
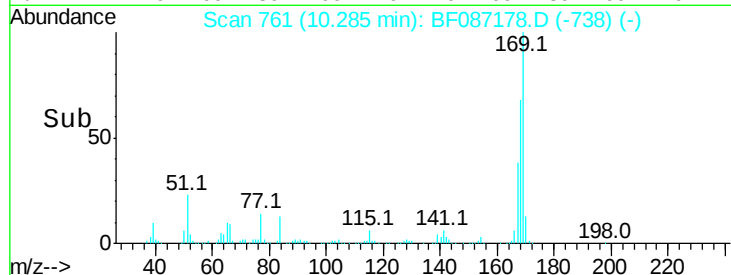
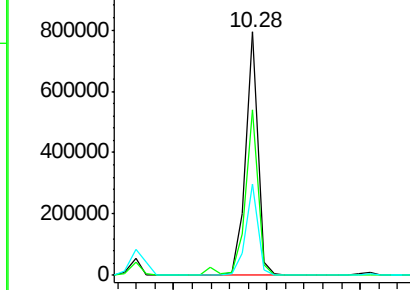
Tot Ion:	169	Resp:	726713
Ion Ratio	Lower	Upper	
169	100		
168	67.8	53.8	80.6
167	37.5	29.5	44.3

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Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 53.58 ng

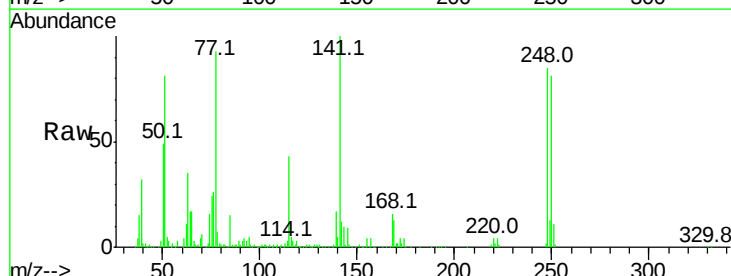
RT: 10.64 min Scan# 792

Delta R.T. -0.03 min

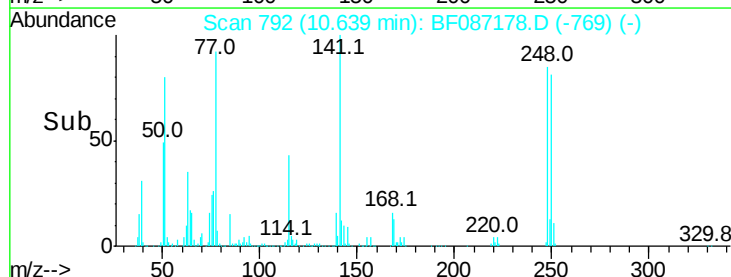
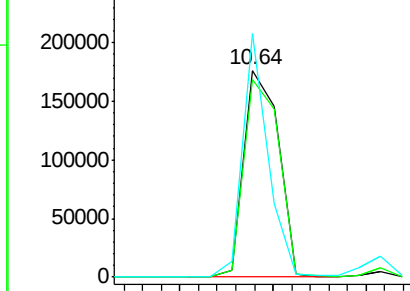
Lab File: BF087178.D

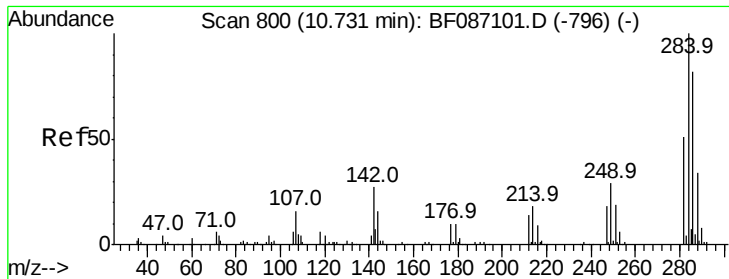
Acq: 19 May 2016 8:41

Tgt Ion:	248	Resp:	227607
Ion Ratio	Lower	Upper	
248	100		
250	95.6	78.6	117.8
141	117.7	76.0	114.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 51.63 ng

RT: 10.71 min Scan# 798

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

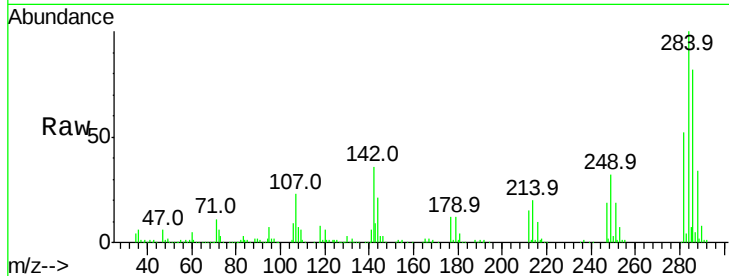
ClientSampleId :

RAV-GT-104MS

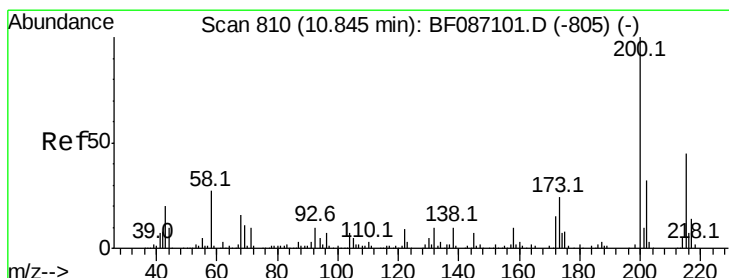
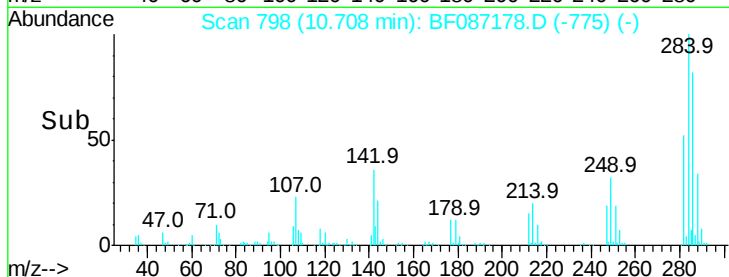
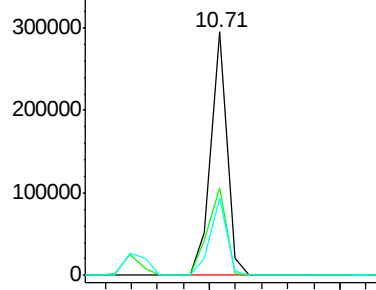
Tot Ion:	284	Resp:	254280
Ion Ratio	Lower	Upper	
284	100		
142	35.9	16.7	25.1#
249	31.7	21.3	31.9

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



#68

Atrazine

Concen: 52.96 ng

RT: 10.82 min Scan# 808

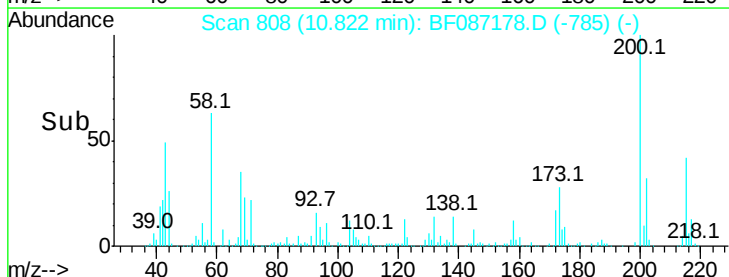
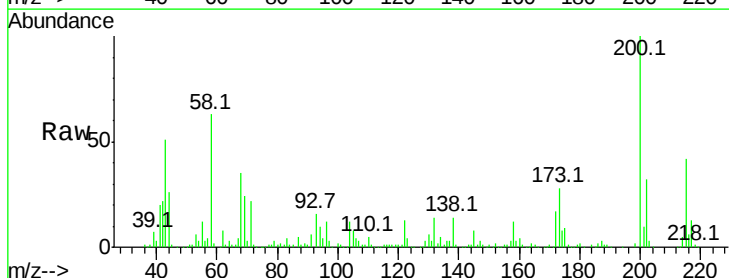
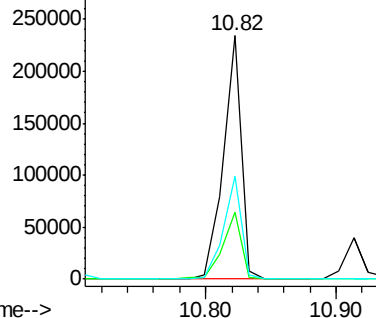
Delta R.T. -0.03 min

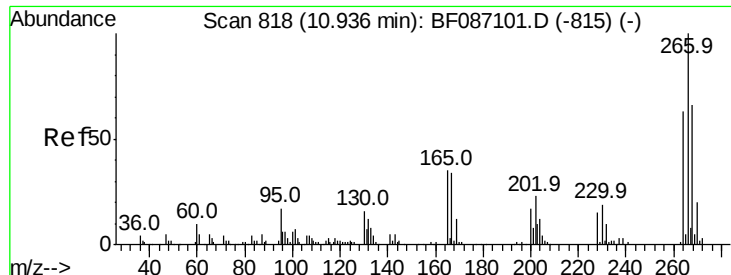
Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tgt Ion:	200	Resp:	224578
Ion Ratio	Lower	Upper	
200	100		
173	27.6	8.5	48.5
215	42.4	27.2	67.2

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





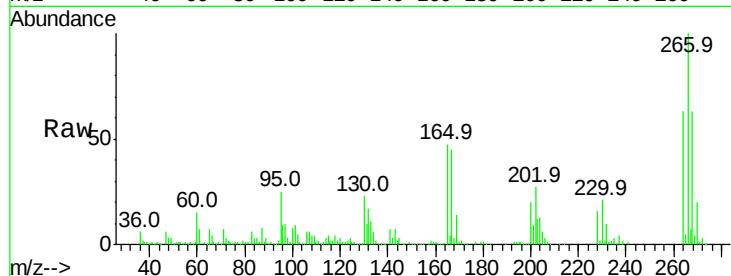
#69
 Pentachlorophenol
 Concen: 119.50 ng
 RT: 10.91 min Scan# 816
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

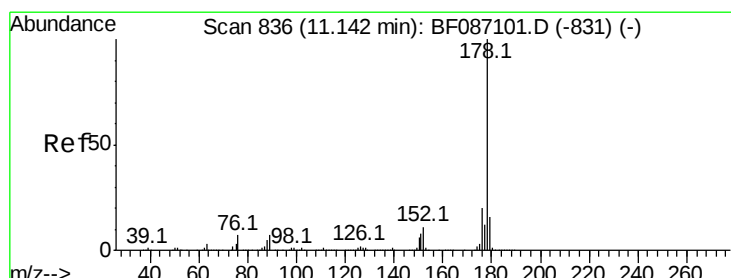
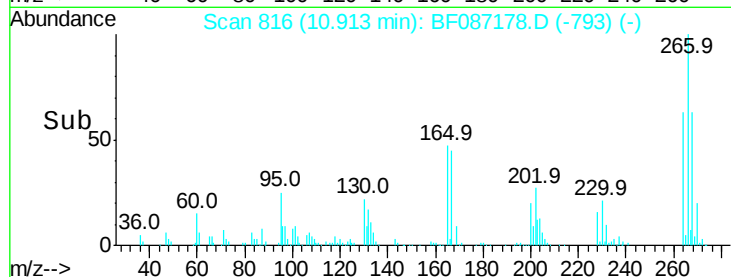
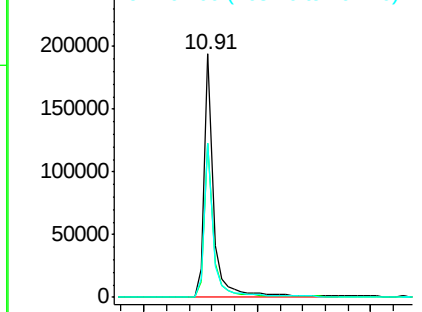
Tot Ion	Ratio	Resp	Lower	Upper
266	100	221091		
268	63.5	51.5	77.3	
264	63.2	52.9	79.3	

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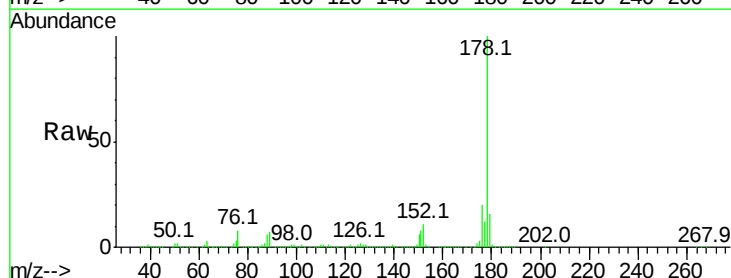


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

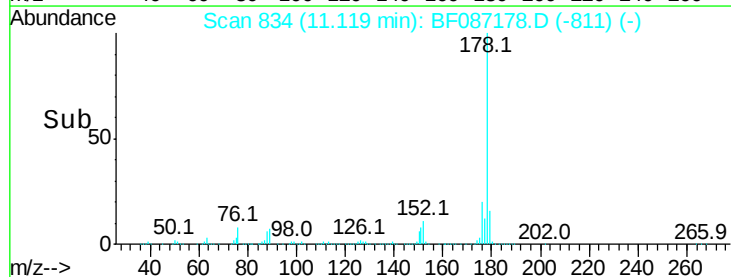
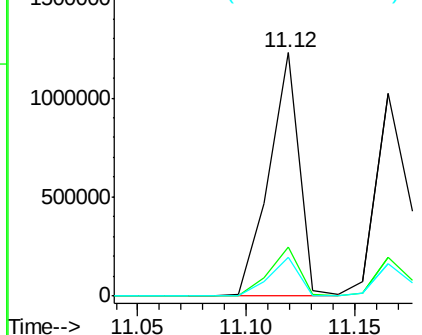


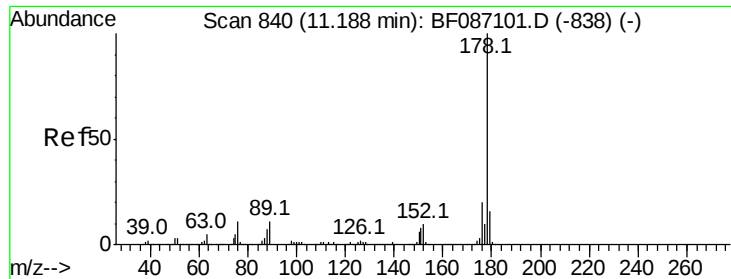
#70
 Phenanthrene
 Concen: 53.40 ng
 RT: 11.12 min Scan# 834
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1196275		
176	20.3	16.0	24.0	
179	15.9	12.6	18.8	



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





#71

Anthracene

Concen: 47.09 ng

RT: 11.16 min Scan# 838

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

Tot Ion:178 Resp: 1067124

Ion Ratio Lower Upper

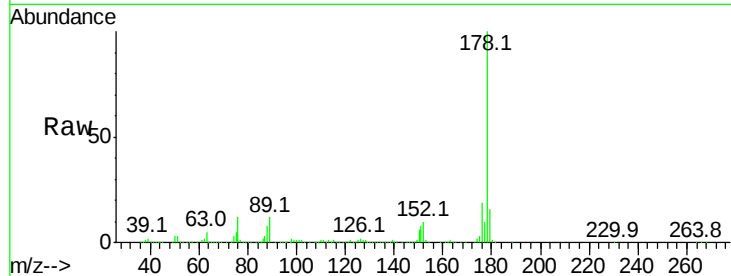
178 100

176 19.3 15.6 23.4

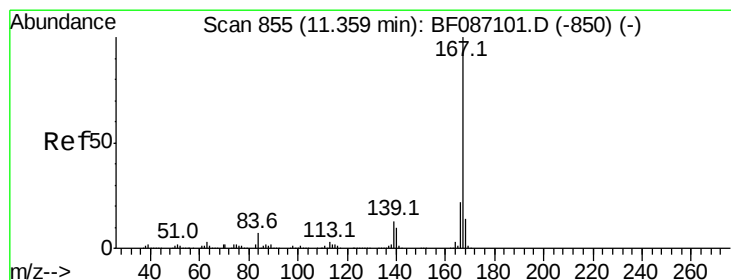
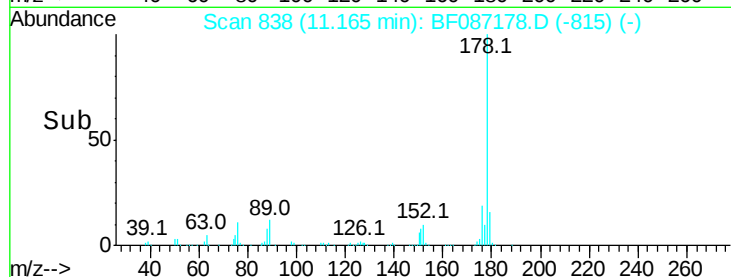
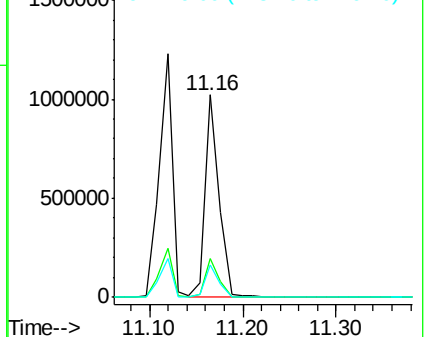
179 16.2 12.7 19.1

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



#72

Carbazole

Concen: 53.43 ng

RT: 11.34 min Scan# 853

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

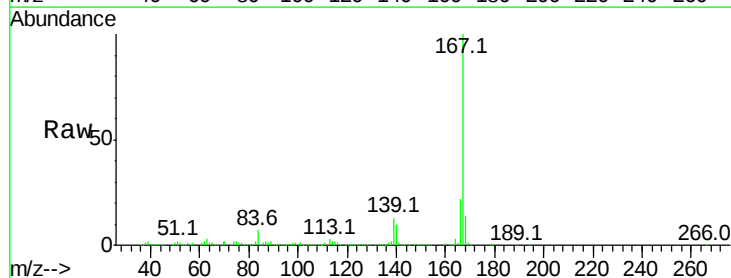
Tgt Ion:167 Resp: 1105963

Ion Ratio Lower Upper

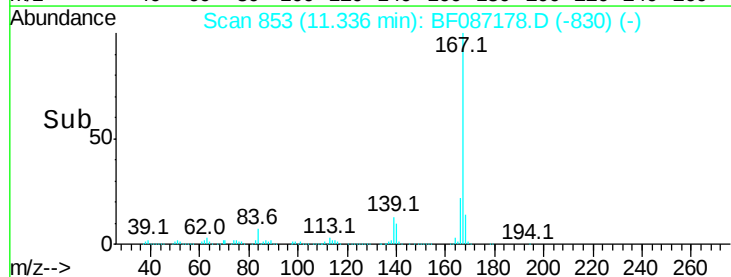
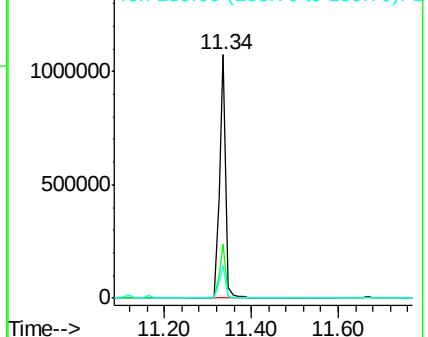
167 100

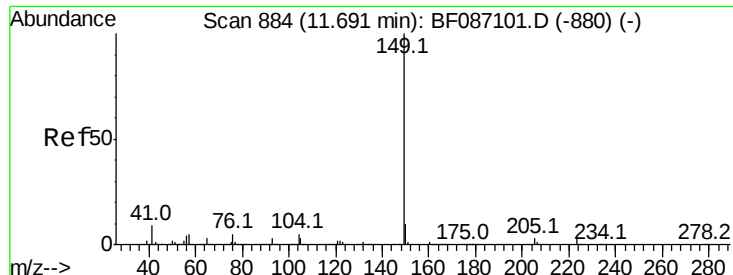
166 22.3 17.7 26.5

139 13.4 10.8 16.2



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 57.78 ng

RT: 11.67 min Scan# 882

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MS

Tot Ion:149 Resp: 1373773

Ion Ratio Lower Upper

149 100

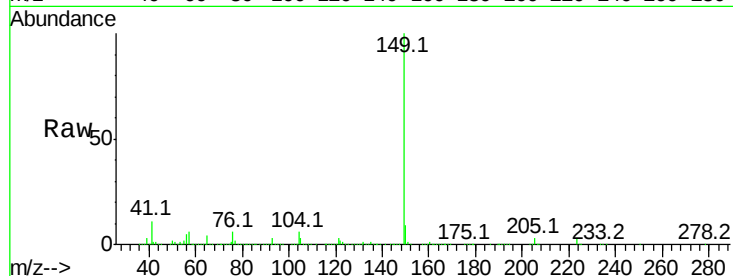
150 9.5 7.6 11.4

104 5.8 3.8 5.6#

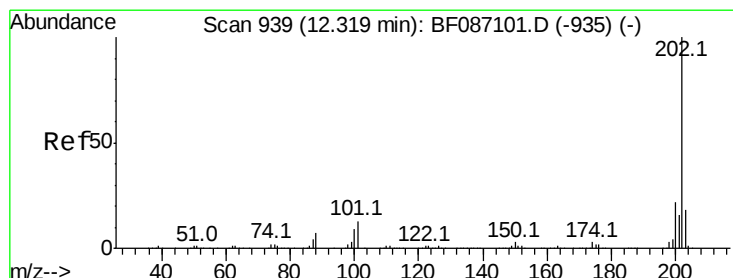
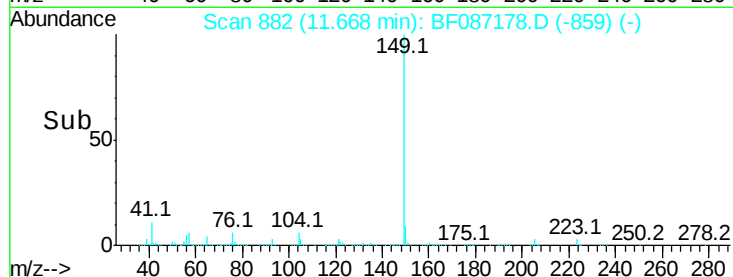
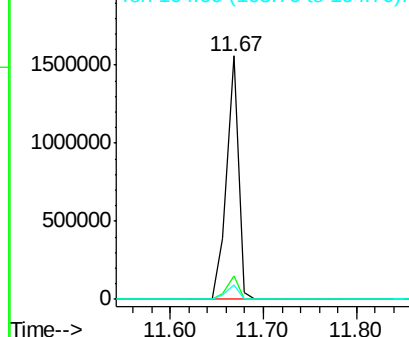
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 46.19 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

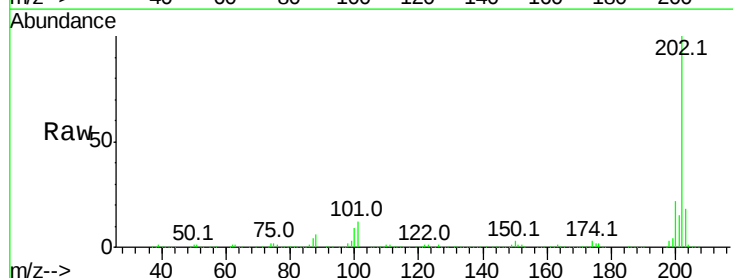
Tgt Ion:202 Resp: 1036907

Ion Ratio Lower Upper

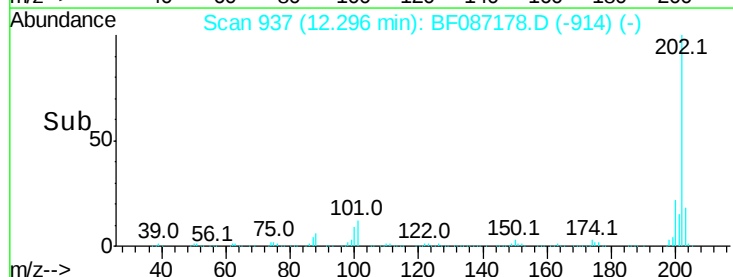
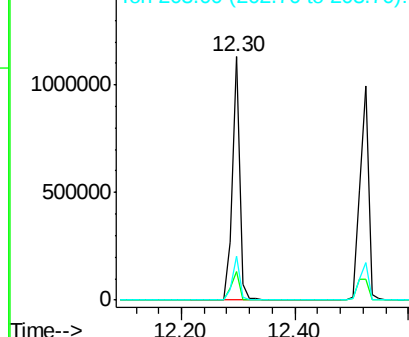
202 100

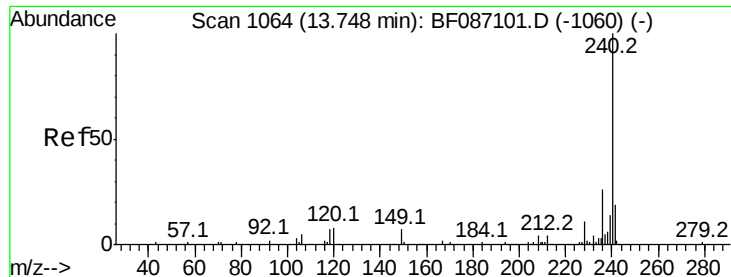
101 11.7 0.0 35.4

203 18.0 0.0 38.1



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.05 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

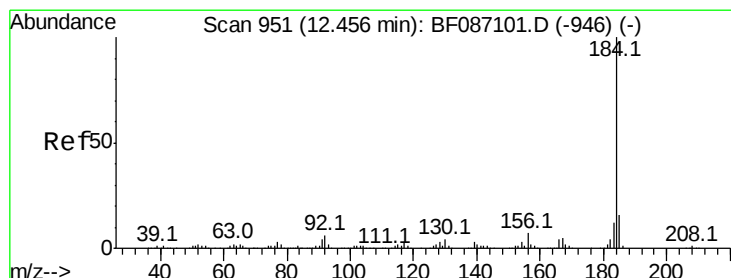
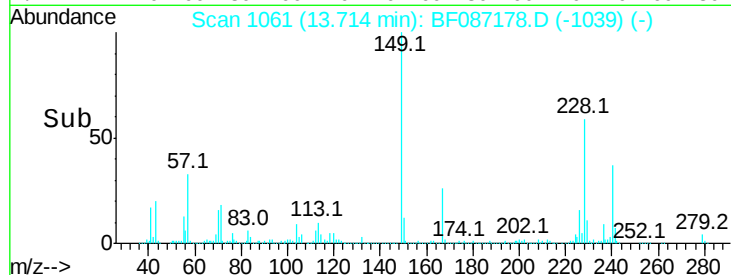
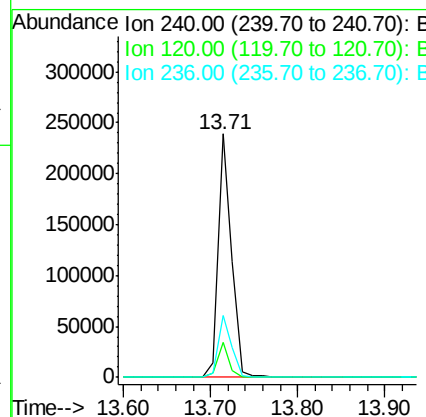
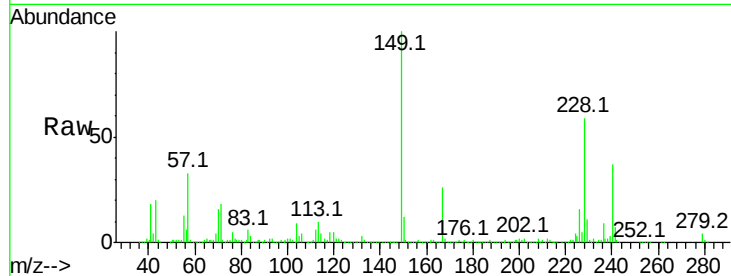
ClientSampleId :

RAV-GT-104MS

Tot Ion:	240	Resp:	258995
Ion Ratio	Lower	Upper	
240	100		
120	14.5	11.2	16.8
236	25.6	21.2	31.8

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#76

Benzidine

Concen: 25.68 ng

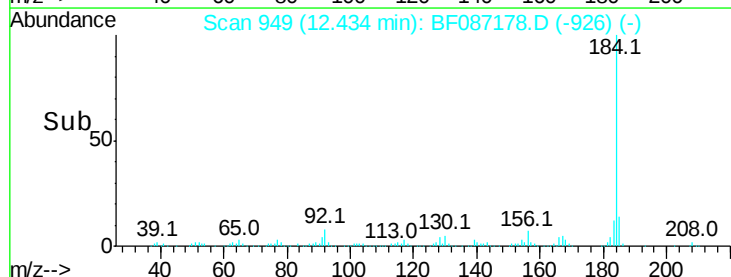
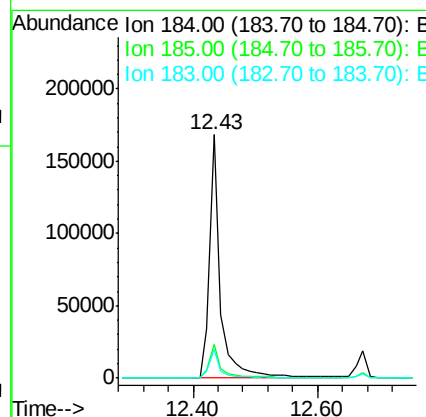
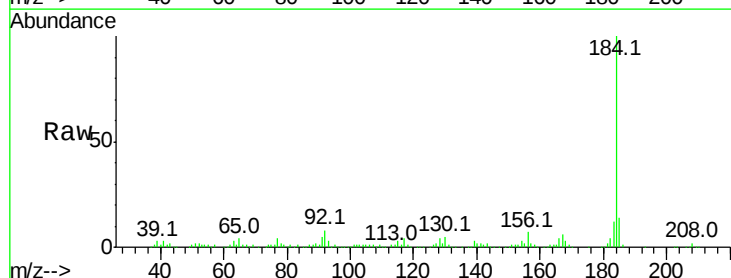
RT: 12.43 min Scan# 949

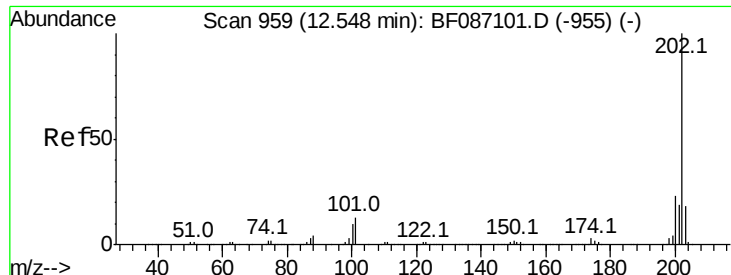
Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tgt Ion:	184	Resp:	209022
Ion Ratio	Lower	Upper	
184	100		
185	14.1	13.6	20.4
183	11.6	9.8	14.6





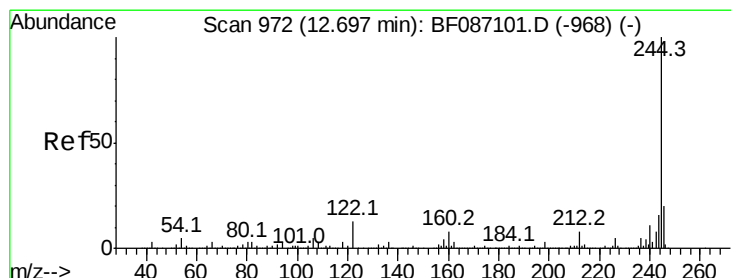
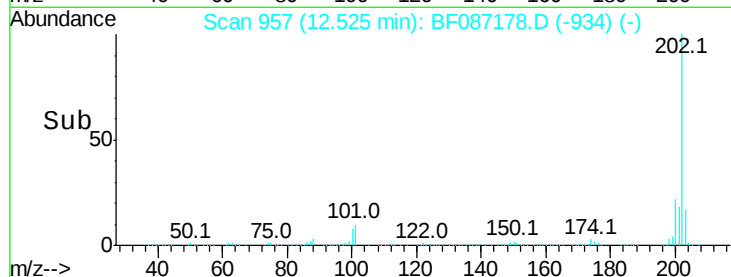
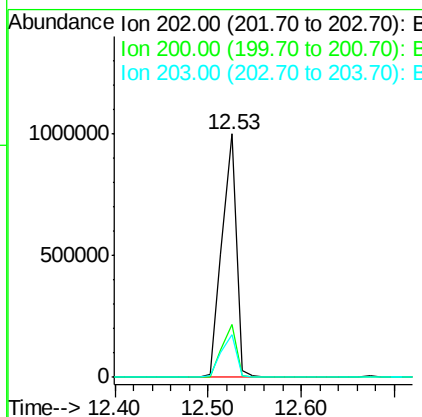
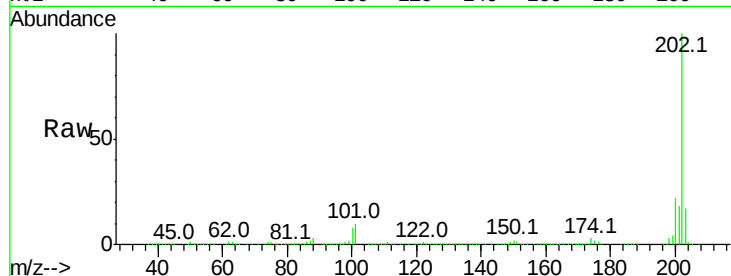
#77
Pvrene
Concen: 57.13 ng
RT: 12.53 min Scan# 957
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.7	26.5
203	17.4	14.2	21.4

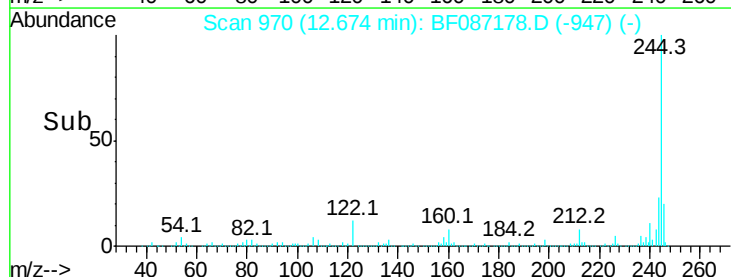
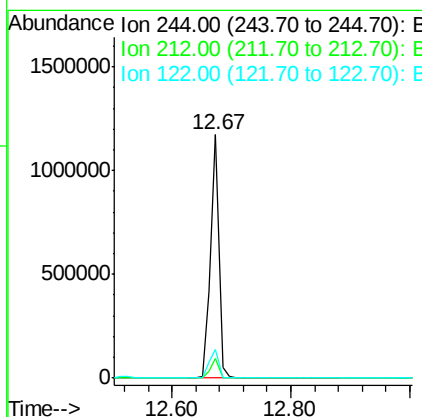
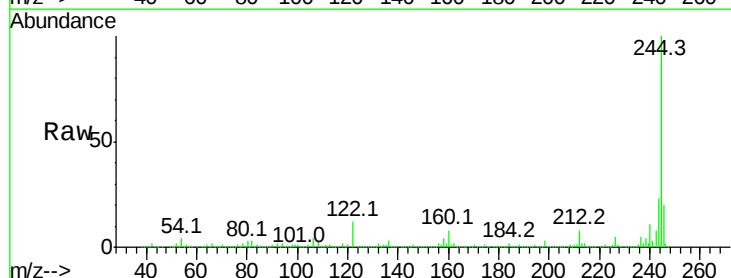
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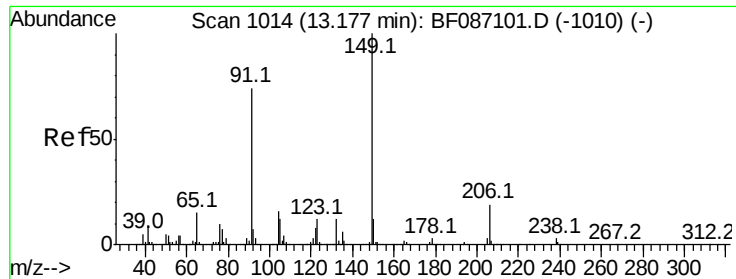
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#78
Terphenyl-d14
Concen: 99.90 ng
RT: 12.67 min Scan# 970
Delta R.T. -0.03 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.2	9.2
122	11.8	12.0	18.0#





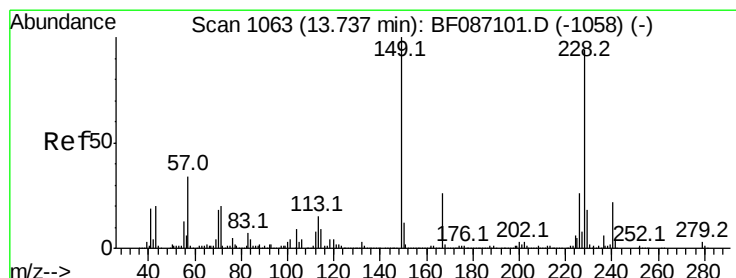
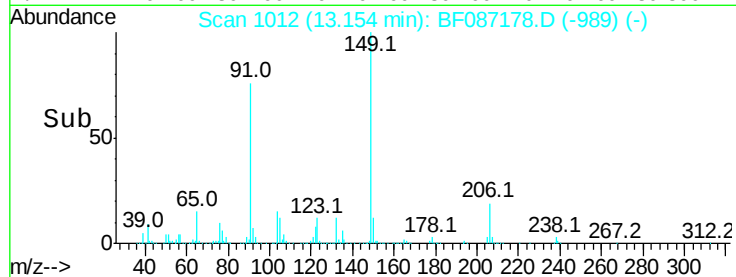
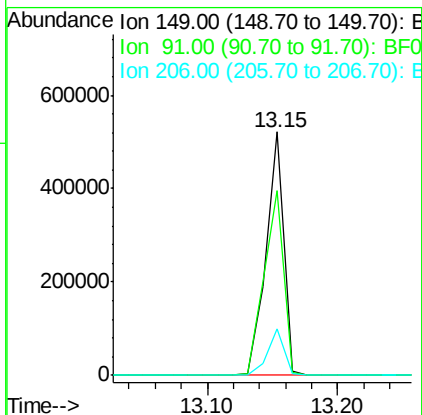
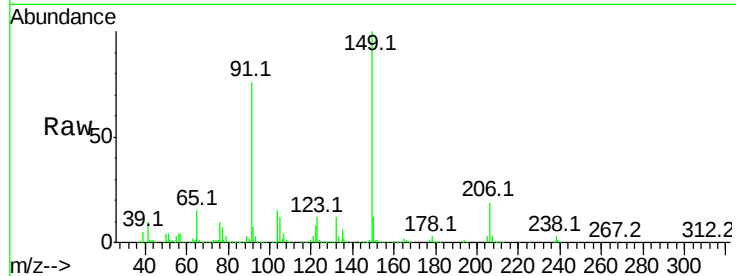
#79
 Butylbenzylphthalate
 Concen: 63.32 ng
 RT: 13.15 min Scan# 1012
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Tot Ion:	149	Resp:	500127
Ion Ratio	Lower	Upper	
149	100		
91	76.0	48.0	72.0#
206	18.9	15.8	23.6

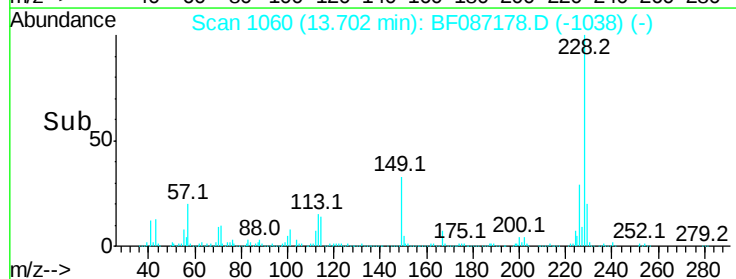
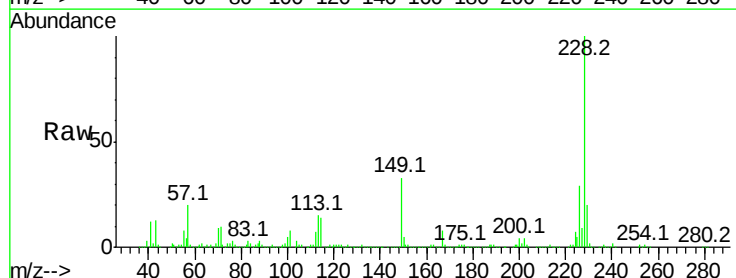
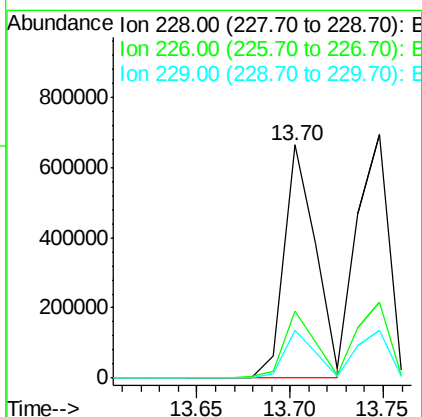
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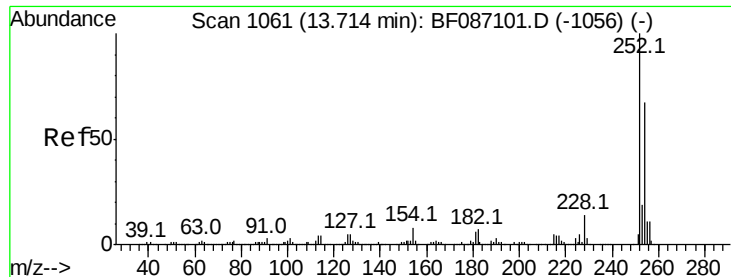
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#80
 Benzo(a)anthracene
 Concen: 52.18 ng
 RT: 13.70 min Scan# 1060
 Delta R.T. -0.05 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion:	228	Resp:	781432
Ion Ratio	Lower	Upper	
228	100		
226	28.5	22.5	33.7
229	20.3	16.6	25.0





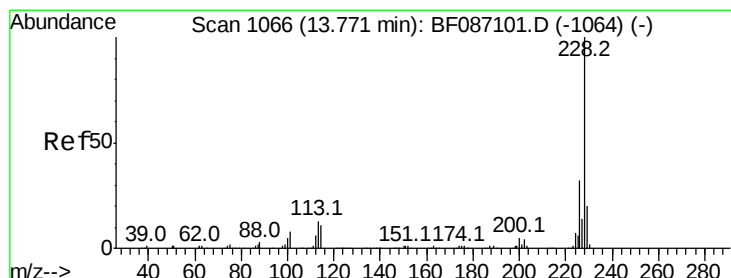
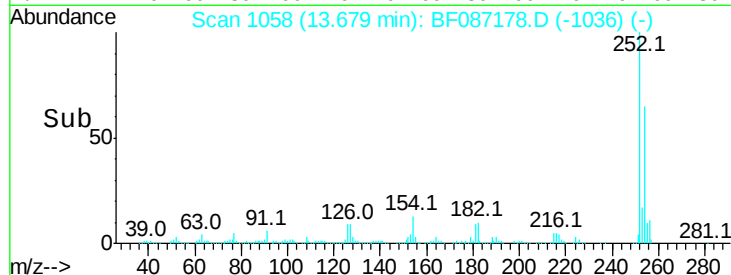
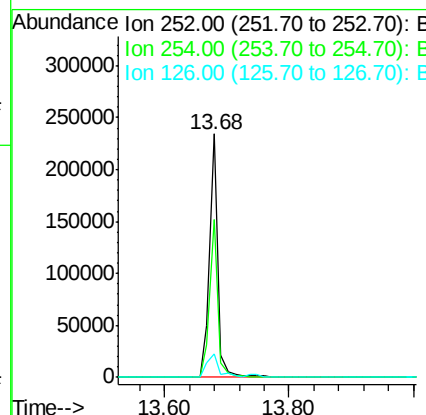
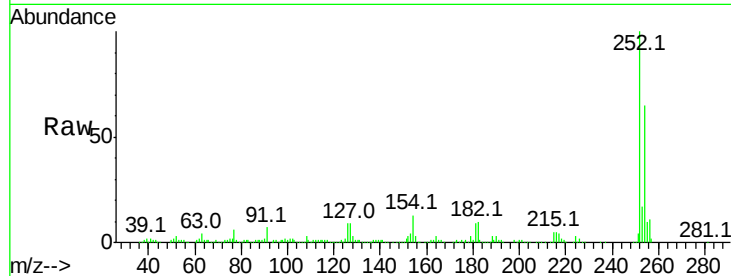
#81
 3,3'-Dichlorobenzidine
 Concen: 23.32 ng
 RT: 13.68 min Scan# 1058
 Delta R.T. -0.05 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	64.7	50.7	76.1
126	9.5	12.7	19.1

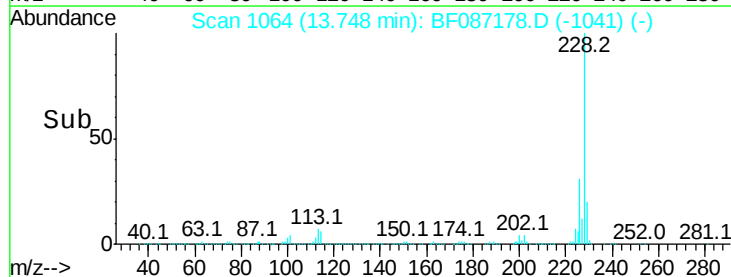
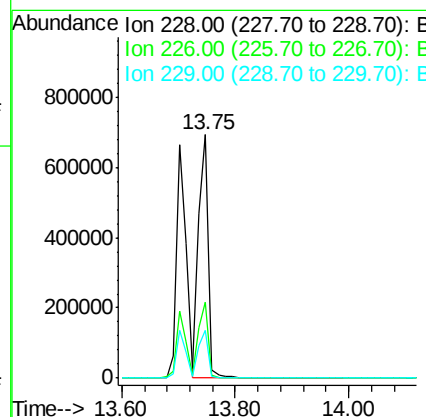
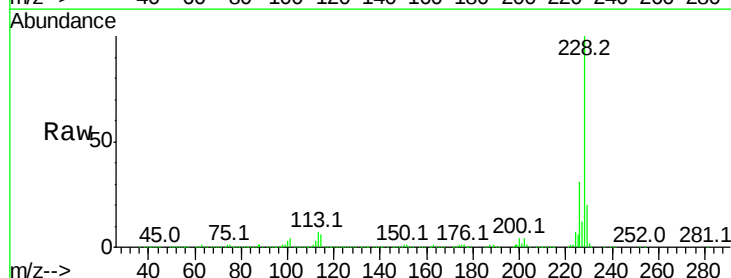
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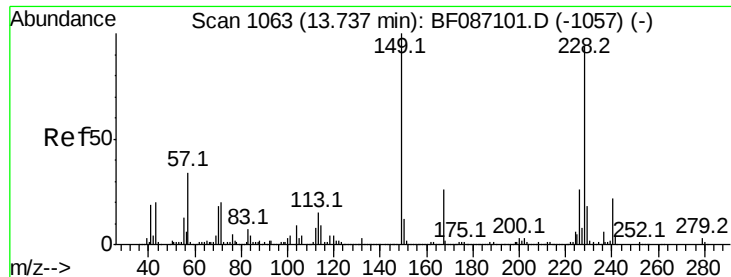
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#82
 Chrysene
 Concen: 57.53 ng
 RT: 13.75 min Scan# 1064
 Delta R.T. -0.03 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.9	24.4	36.6
229	19.6	15.8	23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 64.40 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

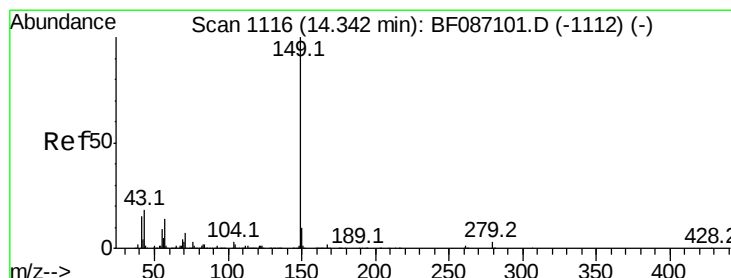
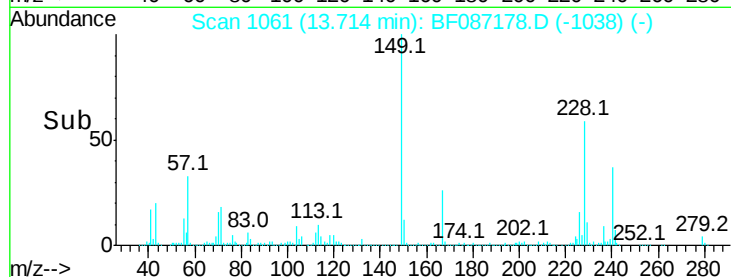
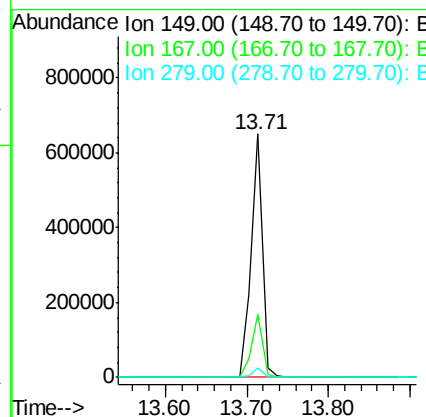
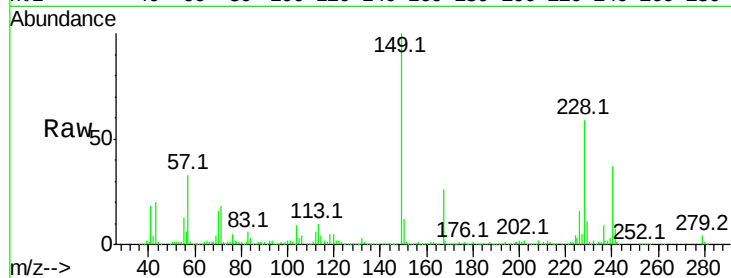
ClientSampleId :

RAV-GT-104MS

Tot Ion:	149	Resp:	619088
Ion Ratio	Lower	Upper	
149	100		
167	25.9	21.8	32.6
279	3.6	2.6	4.0

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#84

Di-n-octyl phthalate

Concen: 62.94 ng

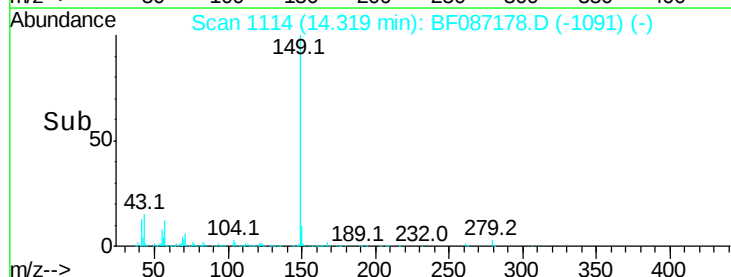
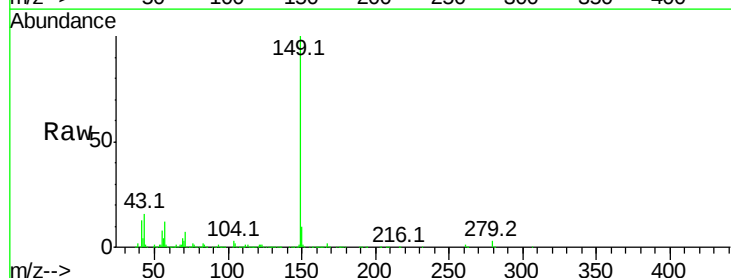
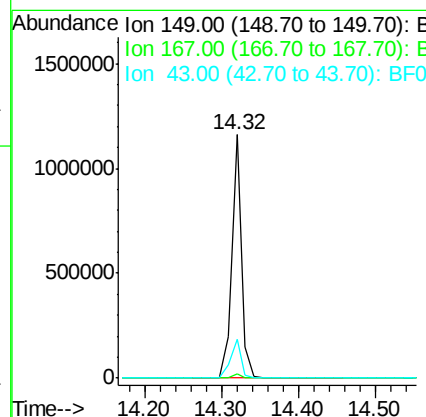
RT: 14.32 min Scan# 1114

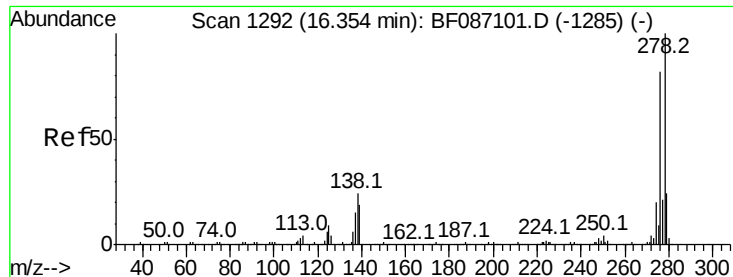
Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tgt Ion:	149	Resp:	1042286
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.2	1.8
43	16.7	8.2	12.4#





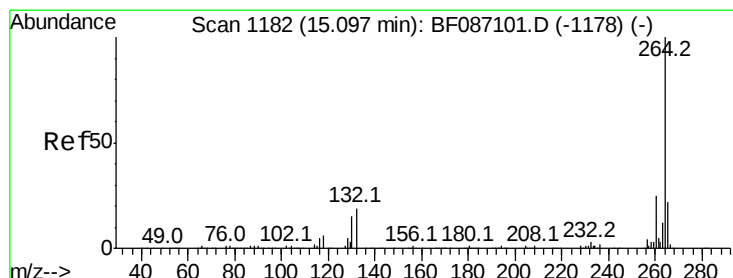
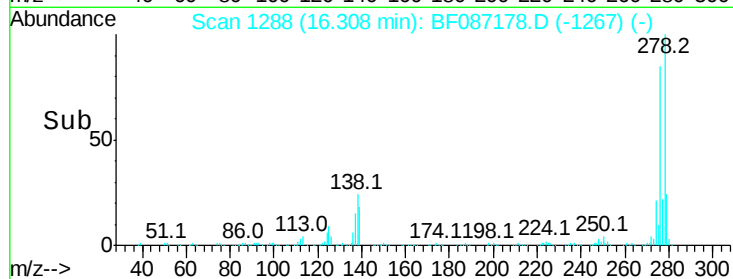
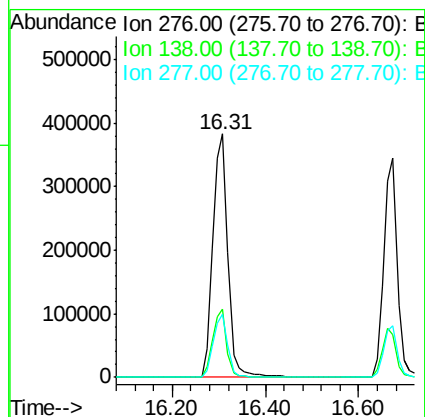
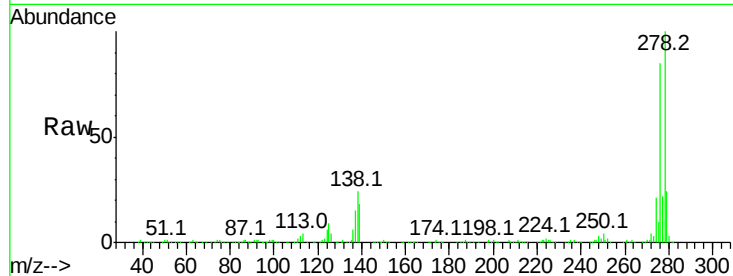
#85
Indeno(1,2,3-cd)pyrene
Concen: 68.24 ng
RT: 16.31 min Scan# 1288
Delta R.T. -0.06 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tot Ion:	276	Resp:	867904
Ion Ratio	Lower	Upper	
276	100		
138	26.6	25.6	38.4
277	25.3	20.5	30.7

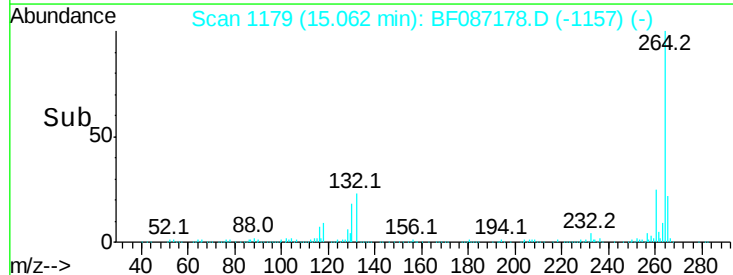
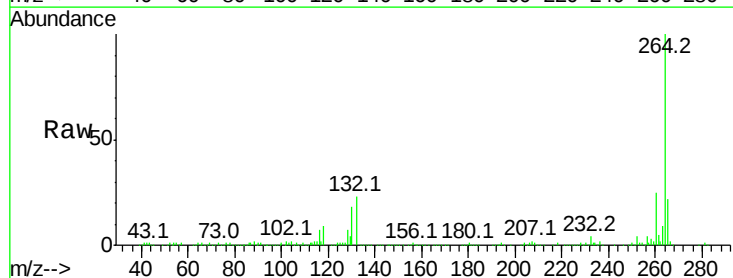
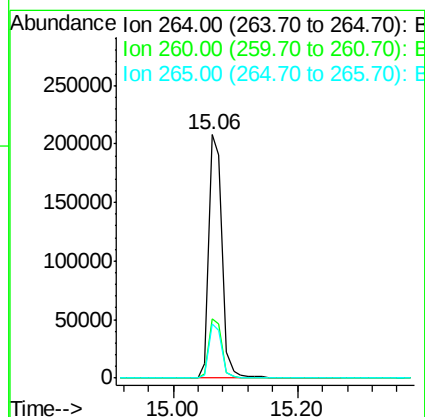
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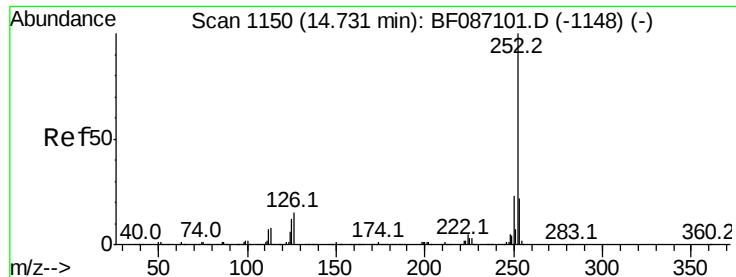
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion:	264	Resp:	309180
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.5	29.3
265	22.3	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 44.18 ng m

RT: 14.71 min Scan# 1148

Delta R.T. -0.03 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Instrument :

BNA_F

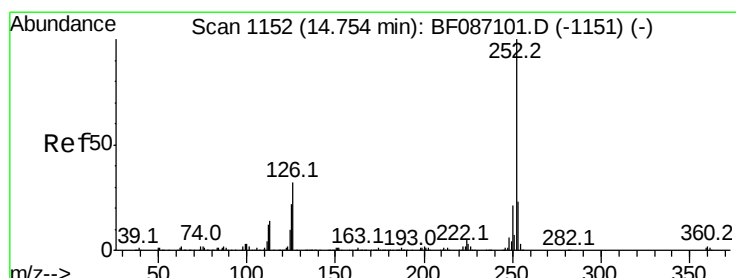
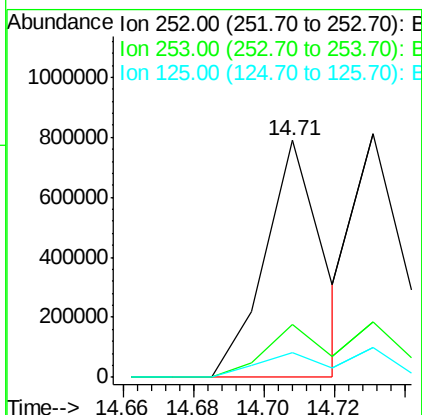
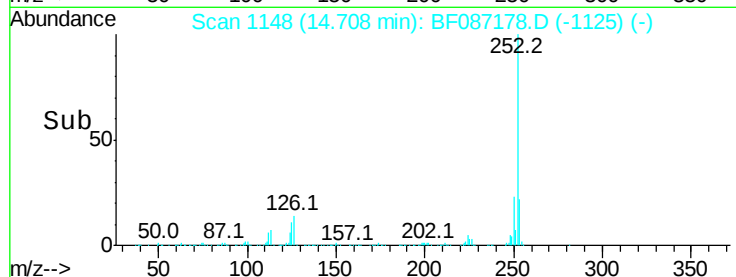
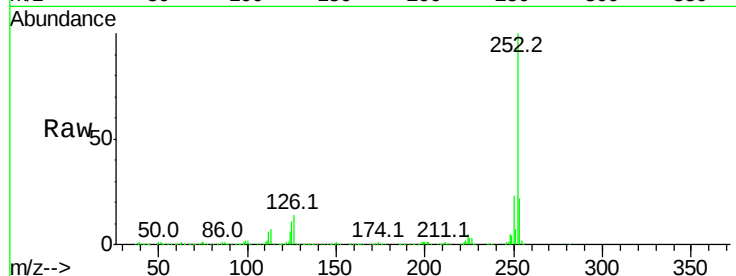
ClientSampleId :

RAV-GT-104MS

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.2	17.8	26.6	
125	10.7	11.4	17.0	

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#88

Benzo(k)fluoranthene

Concen: 51.15 ng m

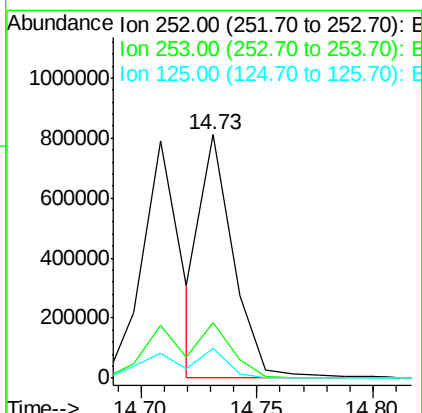
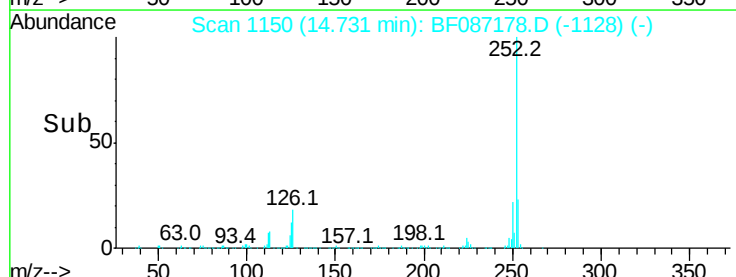
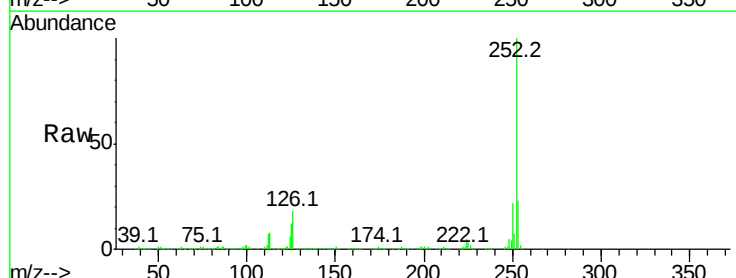
RT: 14.73 min Scan# 1150

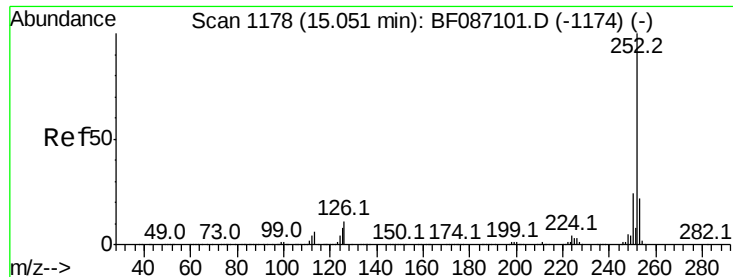
Delta R.T. -0.05 min

Lab File: BF087178.D

Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.5	17.8	26.6	
125	12.3	9.1	13.7	





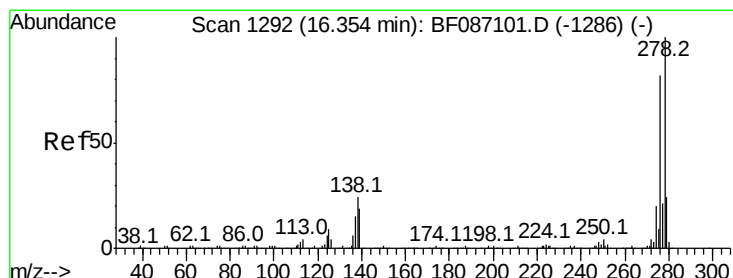
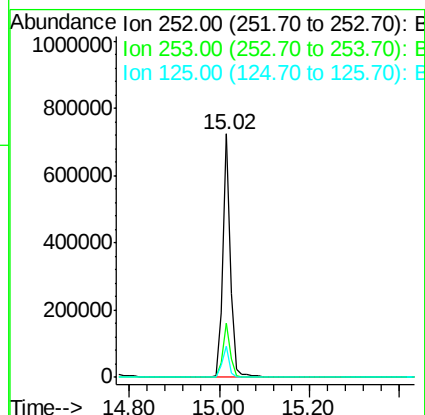
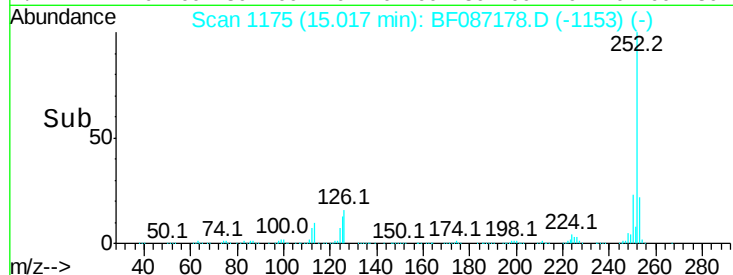
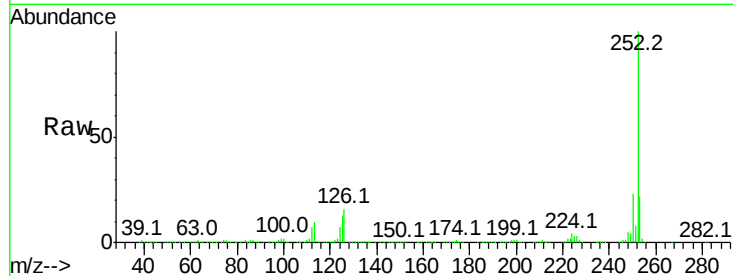
#89
Benzo(a)pyrene
Concen: 49.05 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.05 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	12.6	9.0	13.6

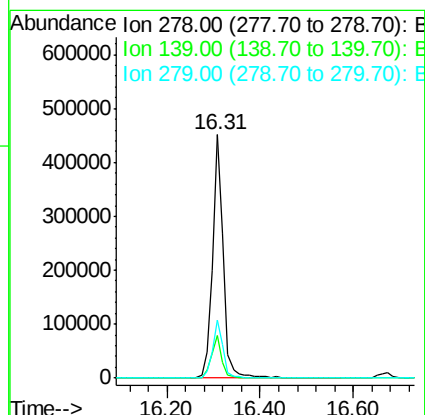
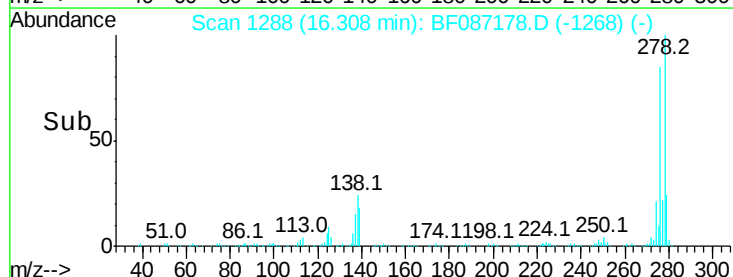
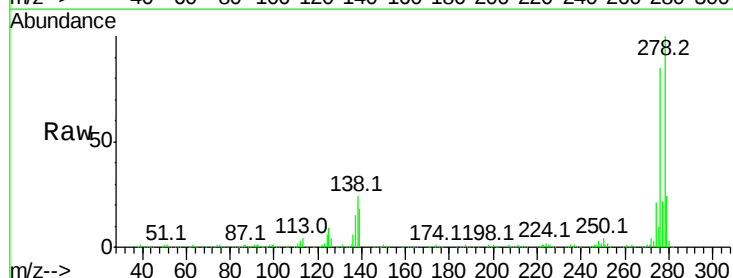
Manual Integrations
APPROVED

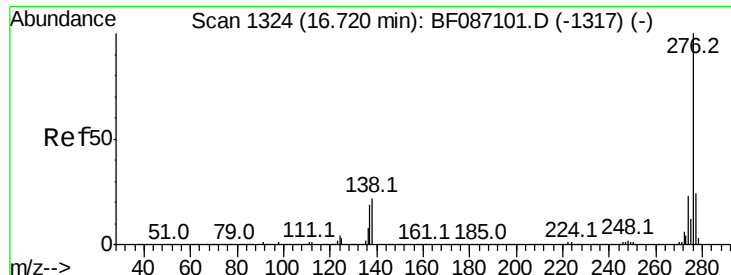
sohil
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#90
Dibenzo(a,h)anthracene
Concen: 51.35 ng
RT: 16.31 min Scan# 1288
Delta R.T. -0.07 min
Lab File: BF087178.D
Acq: 19 May 2016 8:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.6	16.6	24.8
279	23.6	19.6	29.4





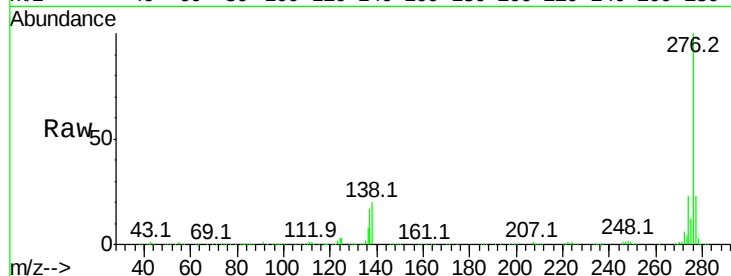
#91
 Benzo(a,h,i)perylene
 Concen: 47.43 ng
 RT: 16.67 min Scan# 1320
 Delta R.T. -0.07 min
 Lab File: BF087178.D
 Acq: 19 May 2016 8:41

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MS

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.3	19.6	29.4
138	19.7	23.6	35.4

Manual Integrations
 APPROVED

sohil
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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

