

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051816\
 Data File : BF087179.D
 Acq On : 19 May 2016 9:09
 Operator : UM/SJ
 Sample : H3120-05MSD
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MSD

Manual Integrations
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Quant Time: May 19 12:55:24 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	119942	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	480449	20.00	ng	-0.03
38) Acenaphthene-d10	9.61	164	221042	20.00	ng	-0.03
63) Phenanthrene-d10	11.08	188	372031	20.00	ng	-0.03
75) Chrysene-d12	13.71	240	235849	20.00	ng	-0.05
86) Perylene-d12	15.06	264	281942	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	359047	50.32	ng	-0.03
7) Phenol-d6	6.25	99	318080	33.24	ng	-0.03
23) Nitrobenzene-d5	7.15	82	794272	82.39	ng	-0.03
41) 2,4,6-Tribromophenol	10.41	330	369344	151.21	ng	-0.03
44) 2-Fluorobiphenyl	8.95	172	1311990	98.30	ng	-0.03
78) Terphenyl-d14	12.67	244	1070099	102.64	ng	-0.03

Target Compounds						Qvalue
2) 1,4-Dioxane	2.01	88	41617	11.34	ng	# 65
3) Pyridine	2.68	79	93273	10.50	ng	# 57
4) n-Nitrosodimethylamine	2.60	42	80651	12.82	ng	# 46
6) Aniline	6.24	93	325715	26.79	ng	99
8) 2-Chlorophenol	6.36	128	287104	33.07	ng	83
9) Benzaldehyde	6.14	77	36611	5.46	ng	98
10) Phenol	6.26	94	142227	11.82	ng	# 62
11) bis(2-Chloroethyl)ether	6.32	93	311818	34.52	ng	84
12) 1,3-Dichlorobenzene	6.51	146	295843m	32.06	ng	
13) 1,4-Dichlorobenzene	6.59	146	309326	32.76	ng	94
14) 1,2-Dichlorobenzene	6.75	146	286622	34.67	ng	95
15) Benzyl Alcohol	6.74	79	220903	31.00	ng	# 88
16) 2,2'-oxybis(1-Chloropropan	6.87	45	715797	38.54	ng	91
17) 2-Methylphenol	6.88	107	197868	27.75	ng	# 76
18) Hexachloroethane	7.08	117	113336	31.40	ng	97
19) n-Nitroso-di-n-propylamine	7.02	70	346561	47.64	ng	# 78
20) 3+4-Methylphenols	7.03	107	260319	27.68	ng	# 61
22) Acetophenone	7.00	105	560523	47.67	ng	# 96
24) Nitrobenzene	7.18	77	455173	43.24	ng	99
25) Isophorone	7.42	82	834720	47.30	ng	99
26) 2-Nitrophenol	7.50	139	196629	45.09	ng	# 93
27) 2,4-Dimethylphenol	7.55	122	319466	42.93	ng	90
28) bis(2-Chloroethoxy)methane	7.63	93	482003	49.75	ng	# 98
29) 2,4-Dichlorophenol	7.75	162	302904	46.19	ng	98
30) 1,2,4-Trichlorobenzene	7.82	180	307494	42.26	ng	99
31) Naphthalene	7.88	128	966080	41.15	ng	99
32) Benzoic acid	7.68	122	48626	10.96	ng	84
33) 4-Chloroaniline	7.96	127	397335	40.72	ng	98
34) Hexachlorobutadiene	8.01	225	168846	40.89	ng	99
35) Caprolactam	8.35	113	15732	7.21	ng	# 53
36) 4-Chloro-3-methylphenol	8.46	107	334776	42.33	ng	99
37) 2-Methylnaphthalene	8.58	142	762784	50.80	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.75	216	305336	47.29	ng	99
40) Hexachlorocyclopentadiene	8.73	237	104279	45.57	ng	94

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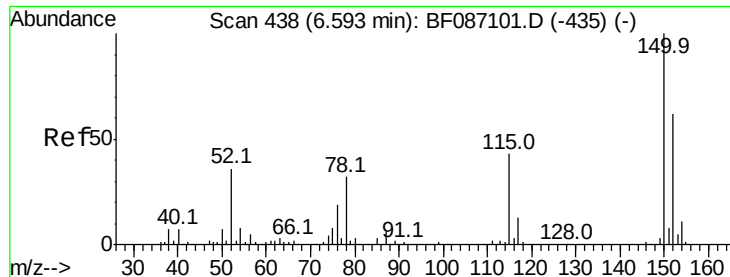
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.87	196	209192	49.96	nq	95
43) 2,4,5-Trichlorophenol	8.92	196	231175	53.15	nq #	91
45) 1,1'-Biphenyl	9.05	154	991515	54.10	nq	99
46) 2-Chloronaphthalene	9.07	162	712759	50.66	nq	99
47) 2-Nitroaniline	9.18	65	277980	51.55	nq #	72
48) Acenaphthylene	9.47	152	1049576	48.85	nq	99
49) Dimethylphthalate	9.36	163	876388	51.97	nq	100
50) 2,6-Dinitrotoluene	9.43	165	220188	60.14	nq	89
51) Acenaphthene	9.64	154	633292	47.18	nq	98
52) 3-Nitroaniline	9.60	138	160207	40.42	nq	91
53) 2,4-Dinitrophenol	9.71	184	125820	61.16	nq	90
54) Dibenzofuran	9.82	168	963032	55.48	nq	91
55) 4-Nitrophenol	9.80	139	60900m	34.46	nq	
56) 2,4-Dinitrotoluene	9.83	165	234982	50.11	nq #	83
57) Fluorene	10.16	166	666314	47.78	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.95	232	192060	56.70	nq	97
59) Diethylphthalate	10.06	149	942572	58.55	nq	97
60) 4-Chlorophenyl-phenylether	10.16	204	363812	55.03	nq	92
61) 4-Nitroaniline	10.20	138	164303	41.98	nq #	67
62) Azobenzene	10.32	77	1081736	58.32	nq	88
64) 4,6-Dinitro-2-methylphenol	10.24	198	99108	40.45	nq #	72
65) n-Nitrosodiphenylamine	10.28	169	712271	60.84	nq	99
66) 4-Bromophenyl-phenylether	10.64	248	208503	54.50	nq #	88
67) Hexachlorobenzene	10.71	284	252841	57.00	nq #	87
68) Atrazine	10.82	200	220291	57.68	nq	94
69) Pentachlorophenol	10.91	266	207400	124.47	nq	98
70) Phenanthrene	11.12	178	1123260	55.67	nq	100
71) Anthracene	11.16	178	1005655	49.28	nq	100
72) Carbazole	11.34	167	1023488	54.90	nq	99
73) Di-n-butylphthalate	11.67	149	1352882	63.18	nq	99
74) Fluoranthene	12.30	202	1001693	49.55	nq	95
76) Benzidine	12.43	184	152697	19.91	nq	96
77) Pyrene	12.52	202	975002	57.22	nq	99
79) Butylbenzylphthalate	13.15	149	478075	66.47	nq	90
80) Benzo(a)anthracene	13.70	228	741334	54.36	nq	100
81) 3,3'-Dichlorobenzidine	13.68	252	205610	23.69	nq #	97
82) Chrysene	13.75	228	767195	58.15	nq	99
83) Bis(2-ethylhexyl)phthalate	13.71	149	596405	68.13	nq	98
84) Di-n-octyl phthalate	14.32	149	1020805	67.69	nq #	84
85) Indeno(1,2,3-cd)pyrene	16.31	276	819837	70.79	nq	95
87) Benzo(b)fluoranthene	14.71	252	911816m	48.75	nq	
88) Benzo(k)fluoranthene	14.73	252	741680m	53.26	nq	
89) Benzo(a)pyrene	15.02	252	809675	51.79	nq	98
90) Dibenzo(a,h)anthracene	16.31	278	699084	53.11	nq	97
91) Benzo(g,h,i)perylene	16.66	276	658796	49.55	nq	95

(#) = 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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BNA_F

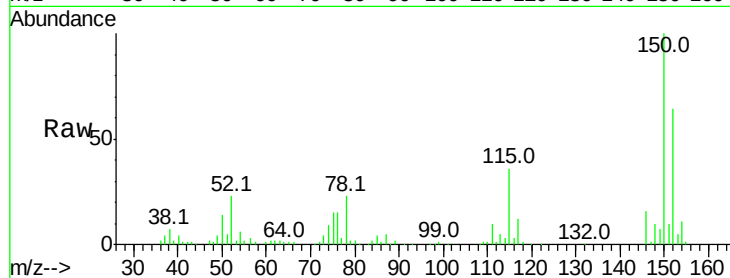
ClientSampleId :

RAV-GT-104MSD

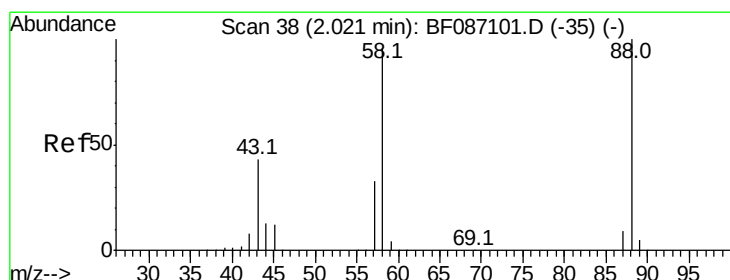
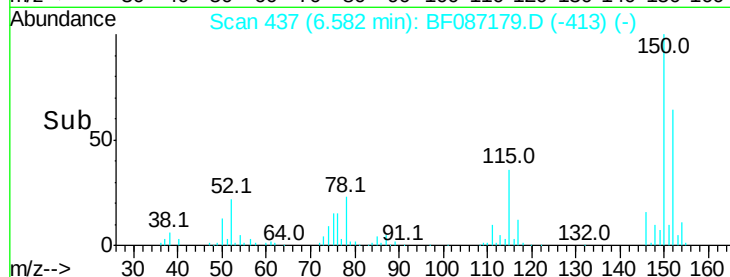
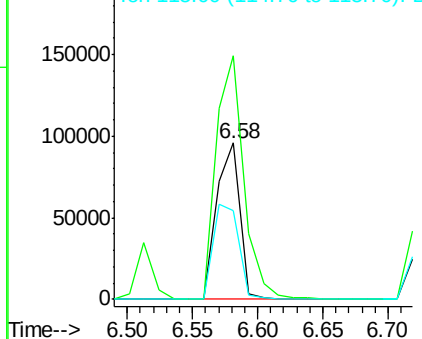
Tot Ion:	152	Resp:	119942
Ion Ratio	Lower	Upper	
152	100		
150	155.6	125.8	188.6
115	56.8	51.5	77.3

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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: 11.34 ng

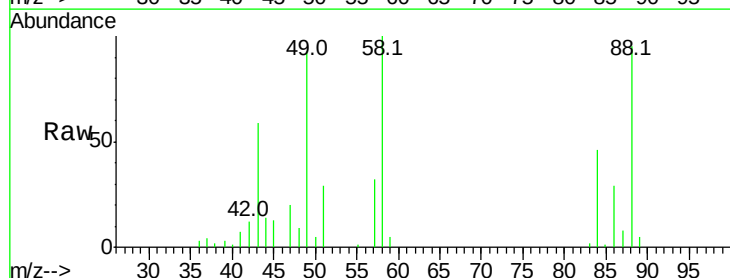
RT: 2.01 min Scan# 37

Delta R.T. -0.05 min

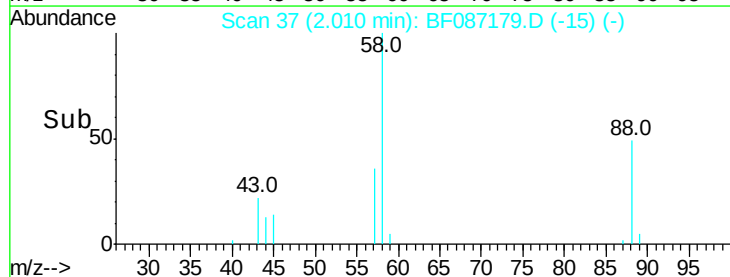
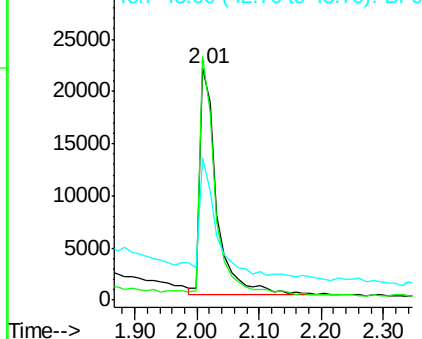
Lab File: BF087179.D

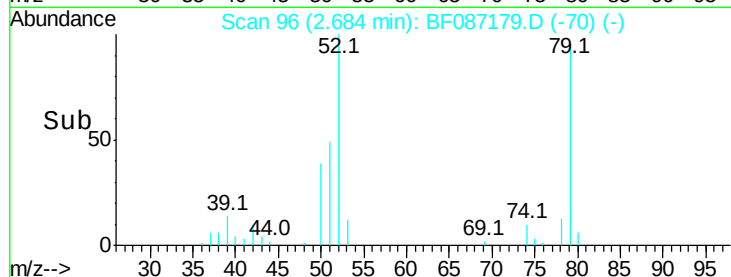
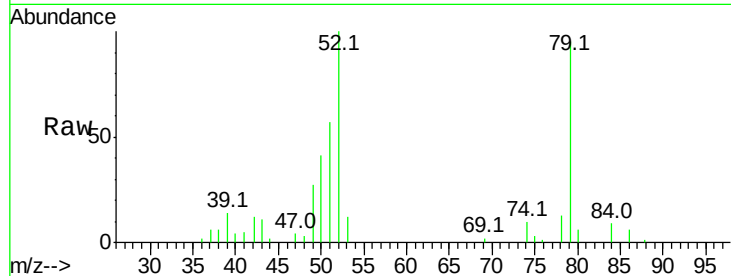
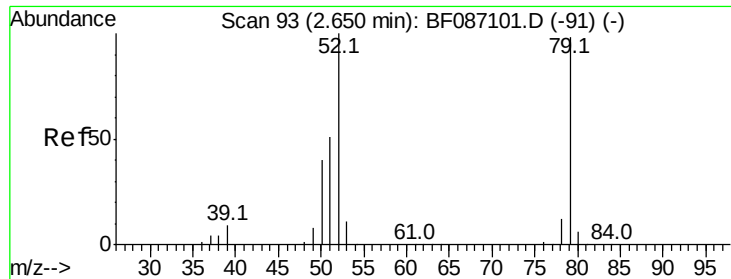
Acq: 19 May 2016 9:09

Tgt Ion:	88	Resp:	41617
Ion Ratio	Lower	Upper	
88	100		
58	94.0	59.6	89.4#
43	61.9	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





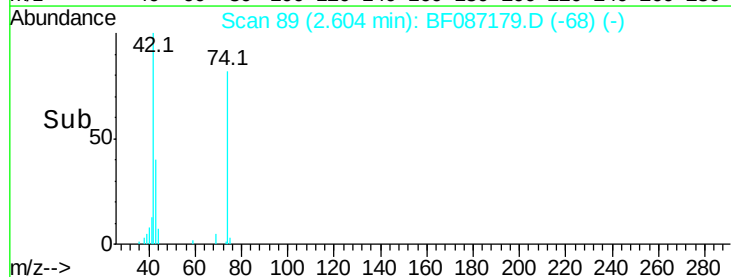
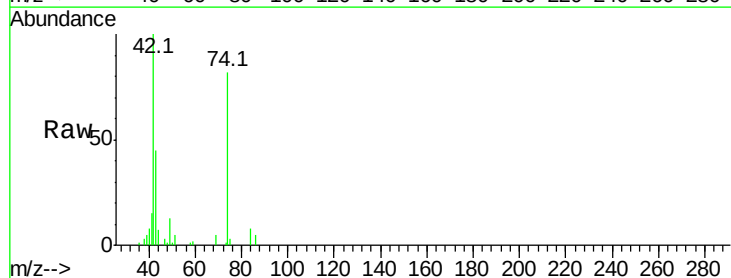
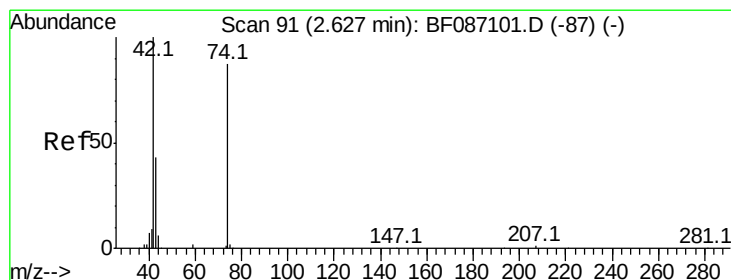
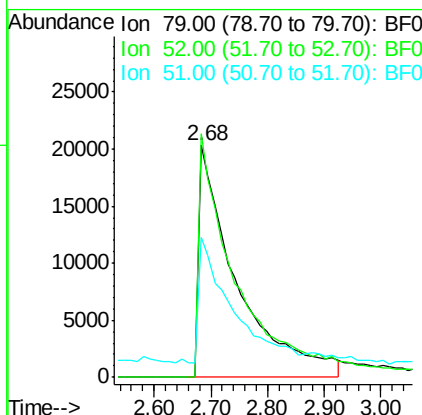
#3
 Pvridine
 Concen: 10.50 ng
 RT: 2.68 min Scan# 96
 Delta R.T. -0.00 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
52	105.0	55.9	83.9#		
51	60.3	28.1	42.1#		

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 RAV-GT-104MSD

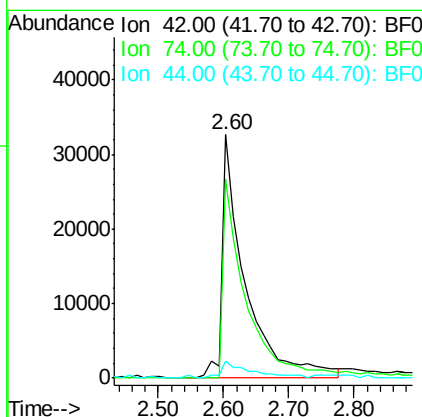
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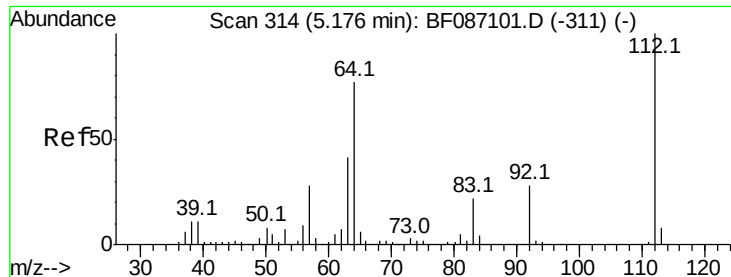
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#4
 n-Nitrosodimethylamine
 Concen: 12.82 ng
 RT: 2.60 min Scan# 89
 Delta R.T. -0.06 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
74	81.7	123.4	185.0#		
44	7.3	5.8	8.6		





#5

2-Fluorophenol

Concen: 50.32 ng

RT: 5.16 min Scan# 313

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

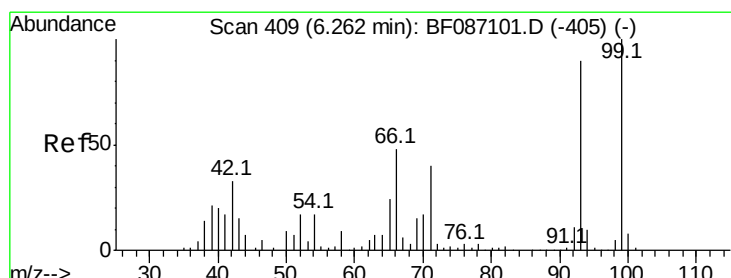
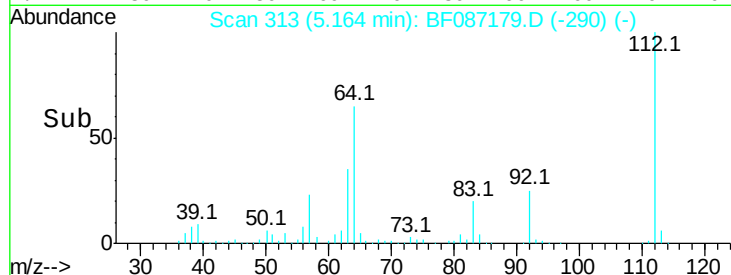
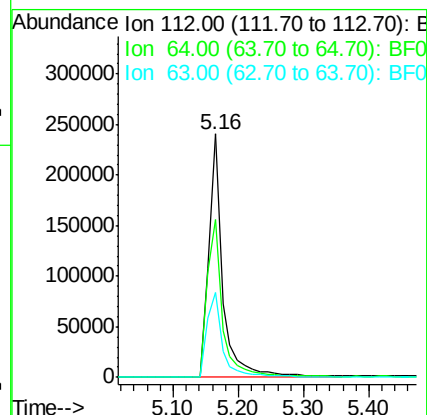
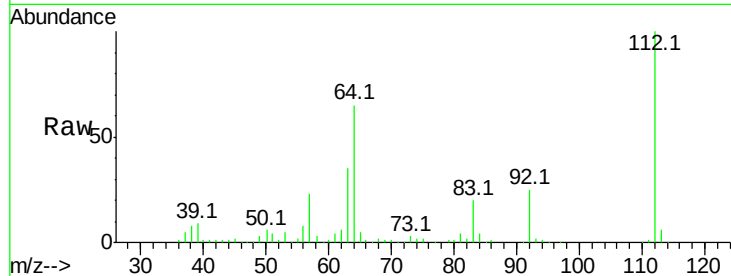
ClientSampleId :

RAV-GT-104MSD

Tot Ion:	112	Resp:	359047
Ion Ratio	Lower	Upper	
112	100		
64	64.6	52.1	78.1
63	34.7	25.7	38.5

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#6

Aniline

Concen: 26.79 ng

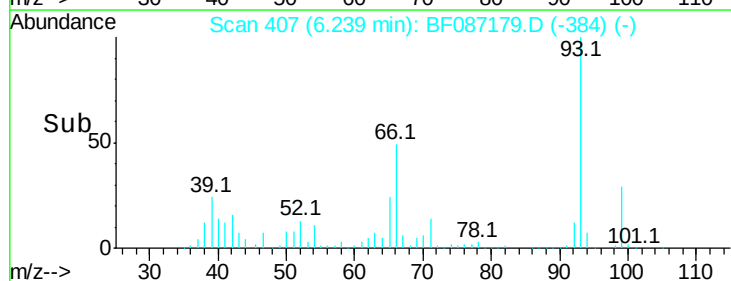
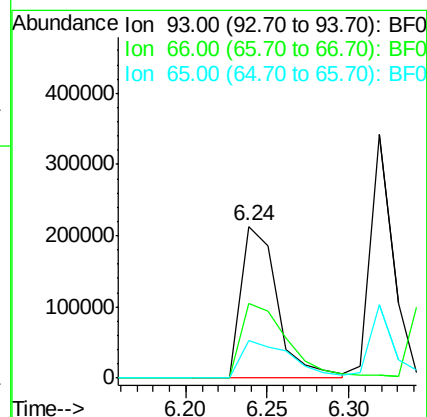
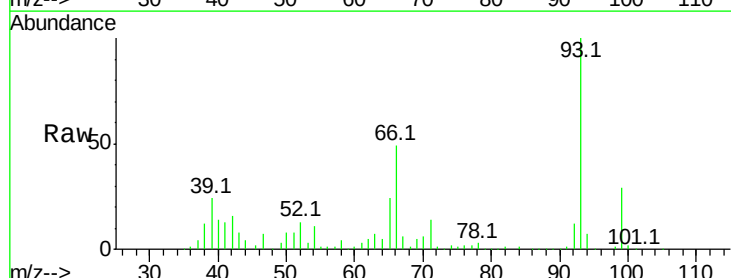
RT: 6.24 min Scan# 407

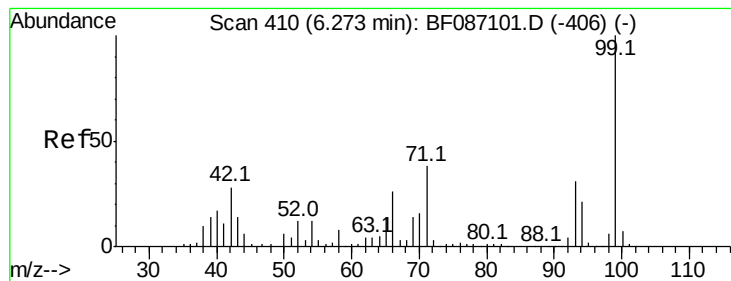
Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Tgt Ion:	93	Resp:	325715
Ion Ratio	Lower	Upper	
93	100		
66	48.9	39.0	58.6
65	24.4	20.6	31.0





#7

Phenol-d6

Concen: 33.24 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MSD

Tot Ion: 99 Resp: 318080

Ion Ratio Lower Upper

99 100

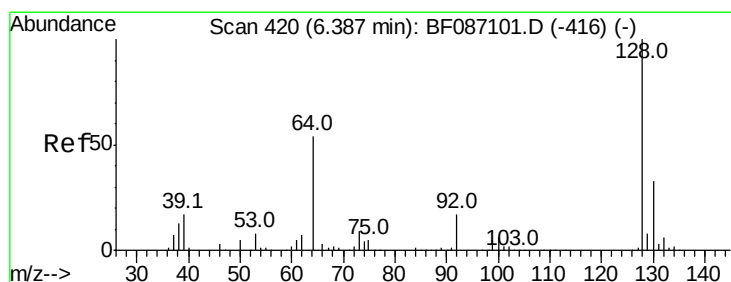
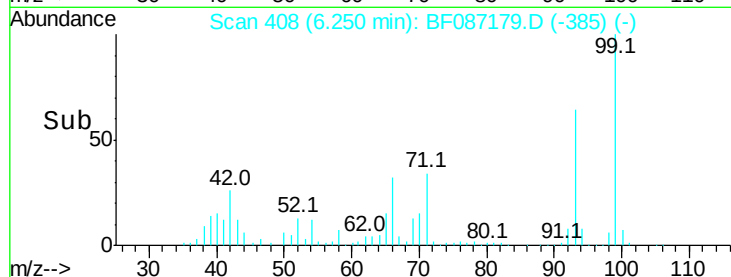
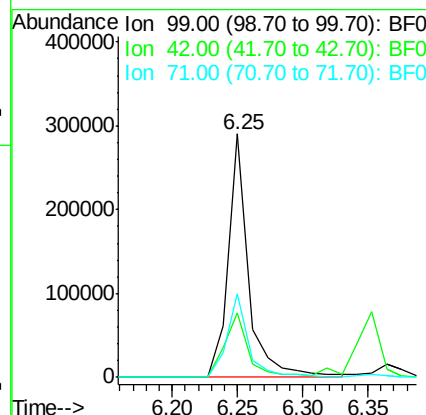
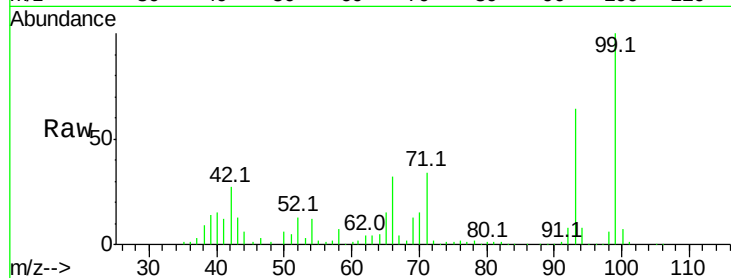
42 26.6 13.6 20.4#

71 34.4 24.6 36.8

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#8

2-Chlorophenol

Concen: 33.07 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

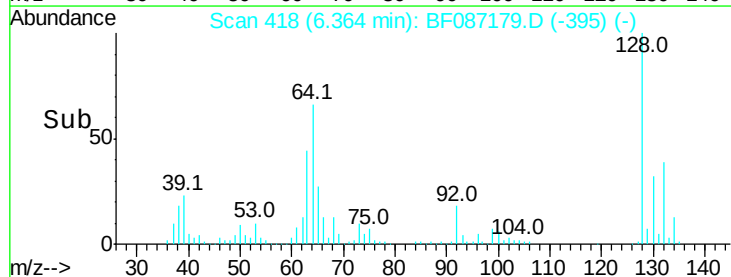
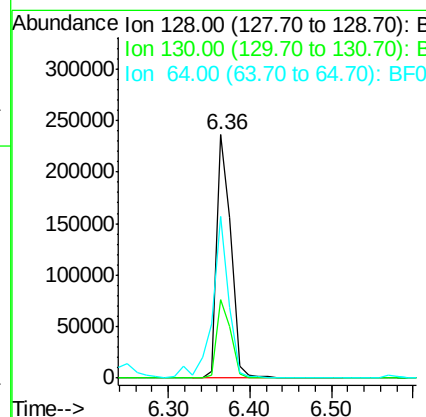
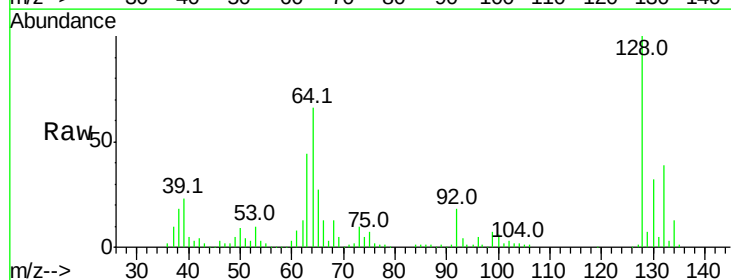
Tgt Ion: 128 Resp: 287104

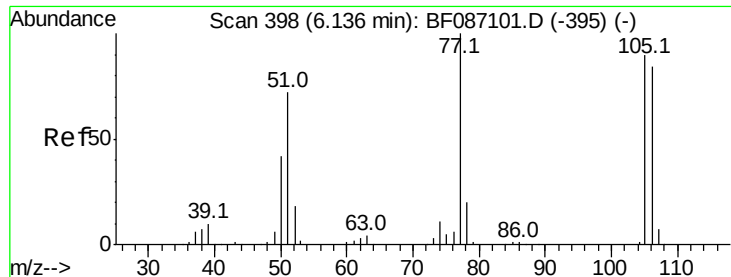
Ion Ratio Lower Upper

128 100

130 32.0 12.5 52.5

64 66.2 27.3 67.3





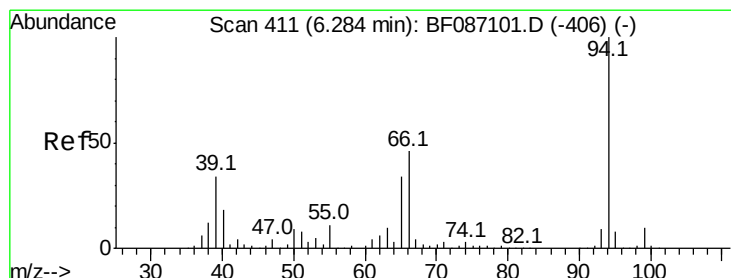
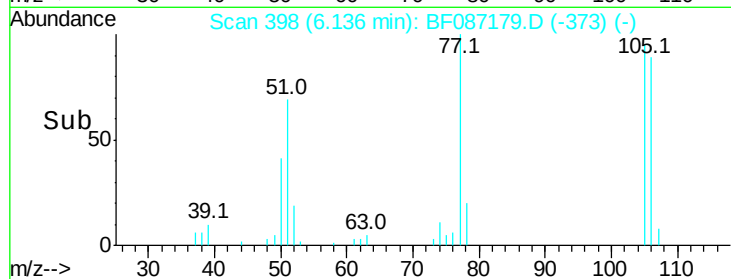
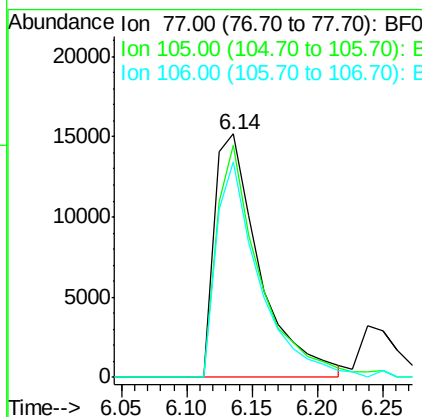
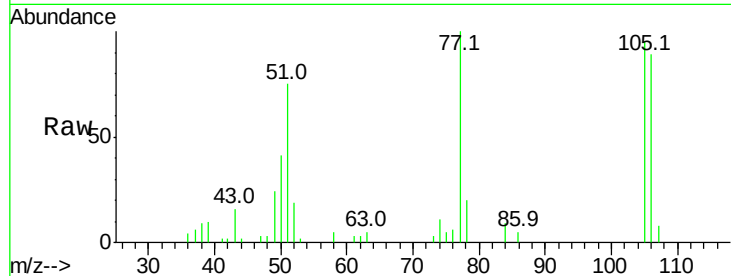
#9
Benzaldehyde
Concen: 5.46 ng
RT: 6.14 min Scan# 398
Delta R.T. -0.01 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	95.1	72.7	112.7
106	88.7	70.8	110.8

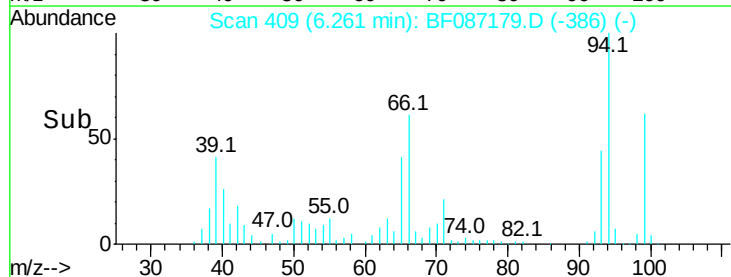
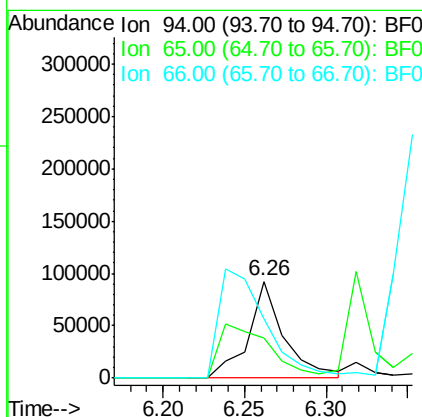
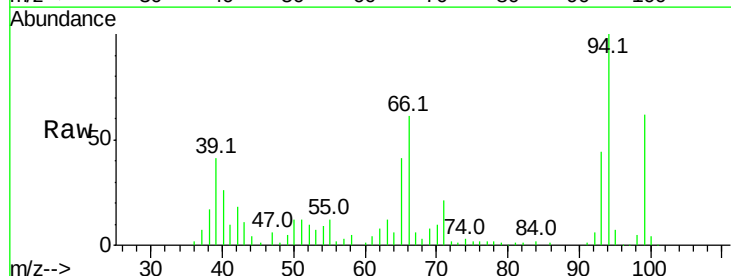
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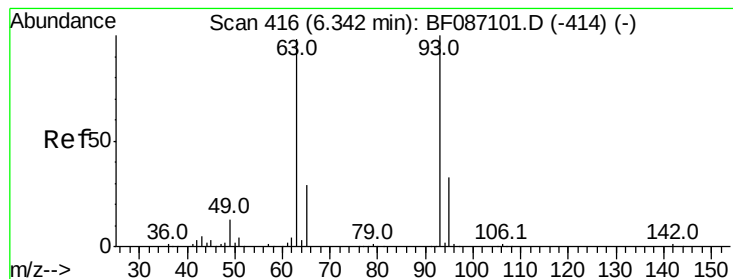
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#10
Phenol
Concen: 11.82 ng
RT: 6.26 min Scan# 409
Delta R.T. -0.03 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Tgt Ion	Ratio	Lower	Upper
94	100		
65	41.3	7.2	47.2
66	61.3	14.9	54.9





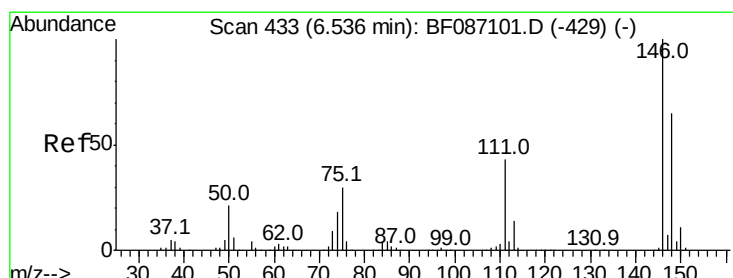
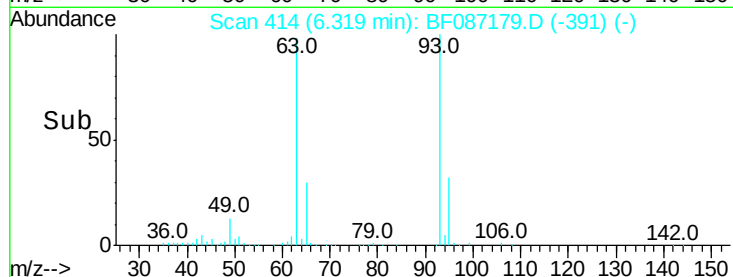
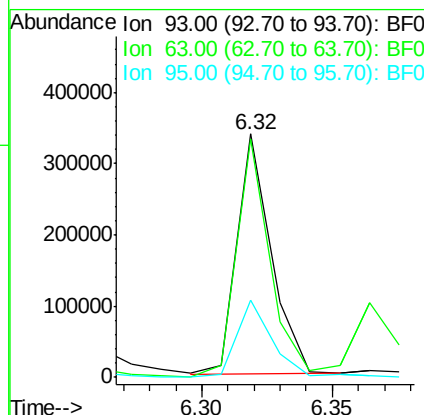
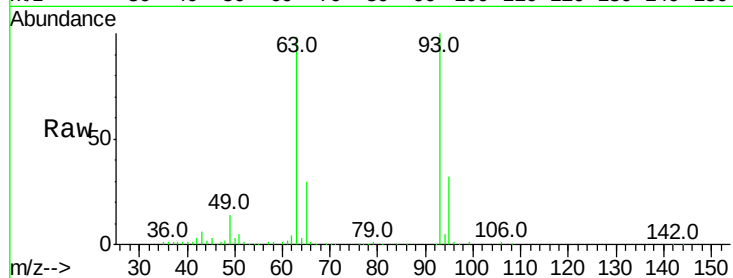
#11
bis(2-Chloroethyl)ether
Concen: 34.52 ng
RT: 6.32 min Scan# 414
Delta R.T. -0.03 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	311818		
63	97.9	58.0	98.0	
95	31.9	11.9	51.9	

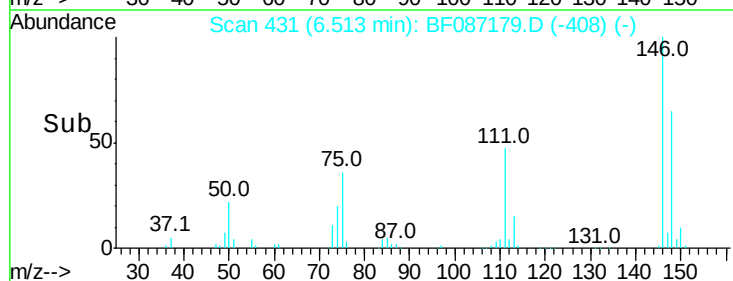
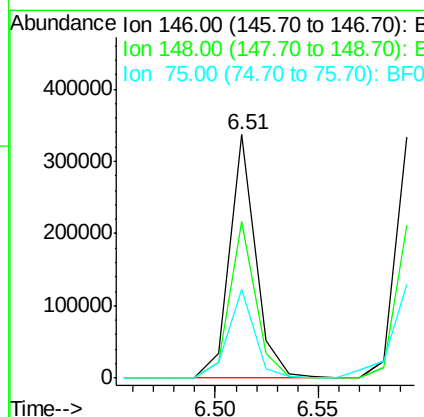
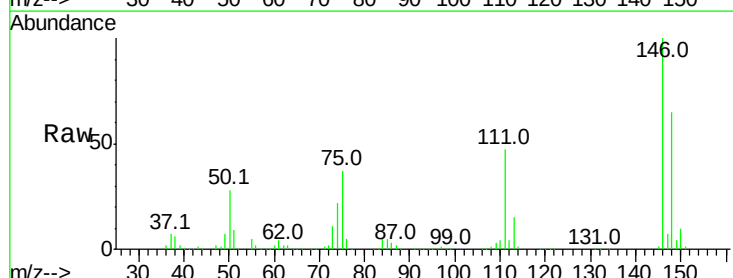
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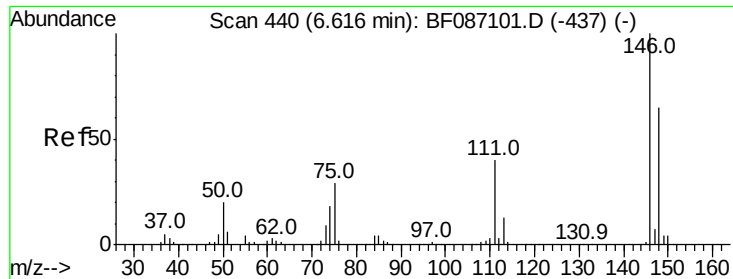
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#12
1,3-Dichlorobenzene
Concen: 32.06 ng m
RT: 6.51 min Scan# 431
Delta R.T. -0.03 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	295843		
148	64.5	52.4	78.6	
75	36.6	22.8	34.2	





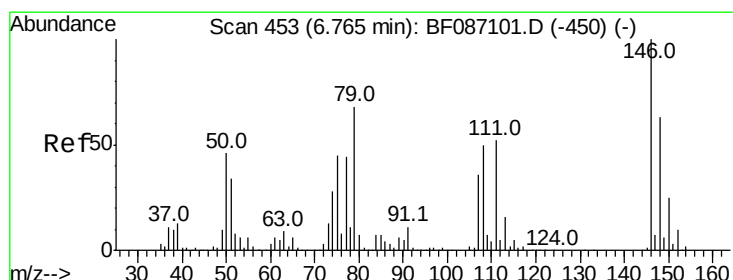
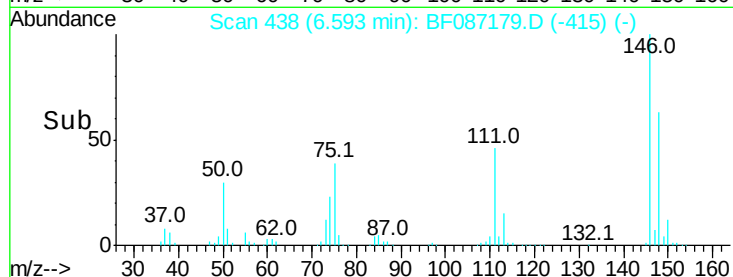
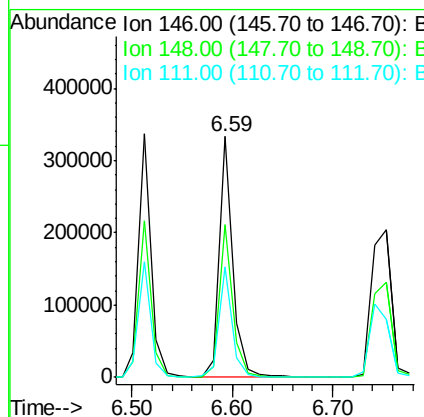
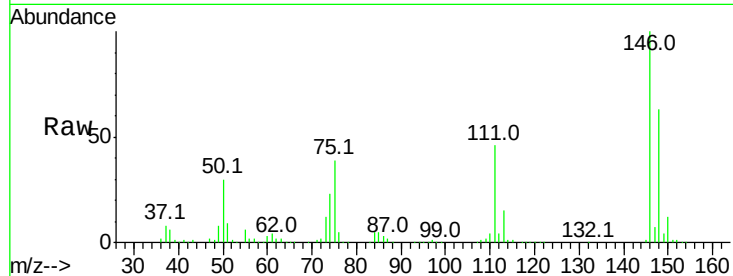
#13
 1,4-Dichlorobenzene
 Concen: 32.76 ng
 RT: 6.59 min Scan# 438
 Delta R.T. -0.03 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.4	52.2	78.4
111	45.8	30.7	46.1

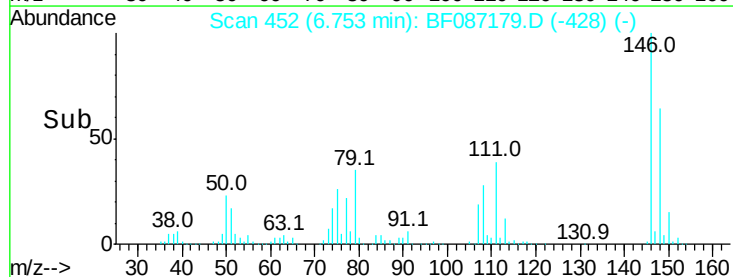
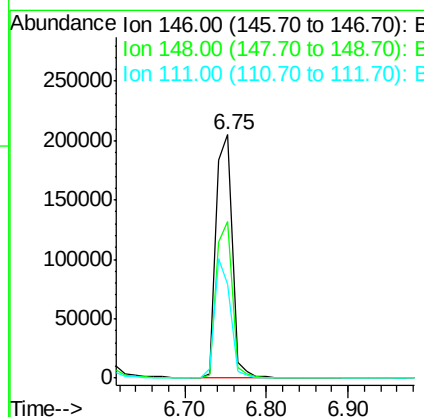
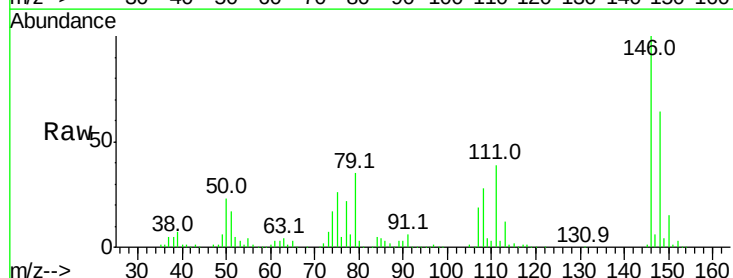
Manual Integrations
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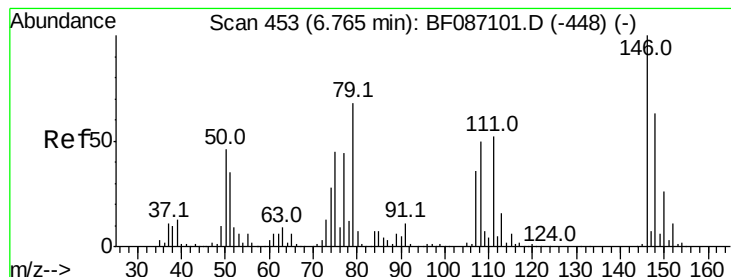
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#14
 1,2-Dichlorobenzene
 Concen: 34.67 ng
 RT: 6.75 min Scan# 452
 Delta R.T. -0.02 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.6
111	38.8	36.2	54.4





#15

Benzyl Alcohol

Concen: 31.00 ng

RT: 6.74 min Scan# 451

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

ClientSampleId :

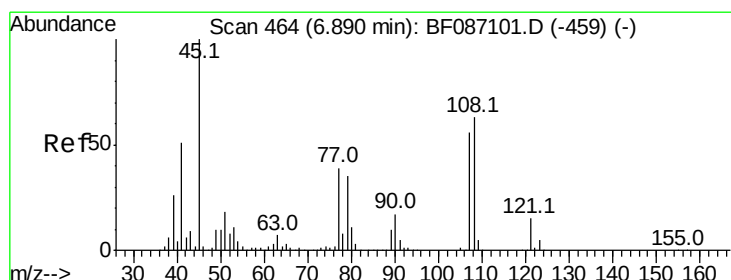
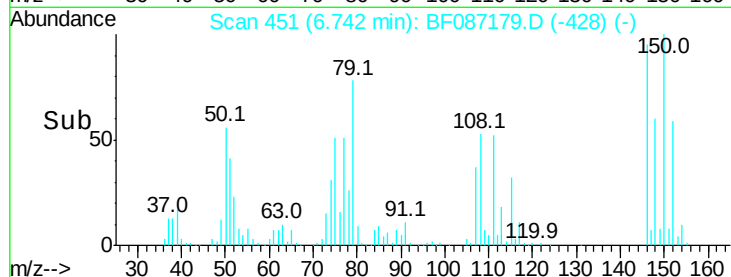
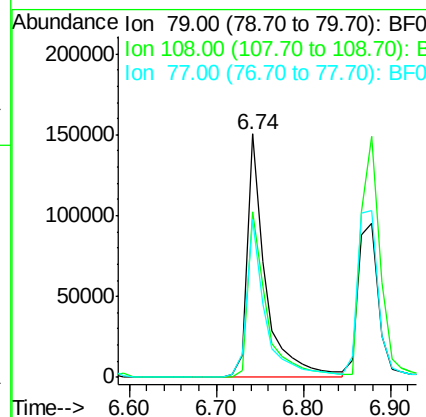
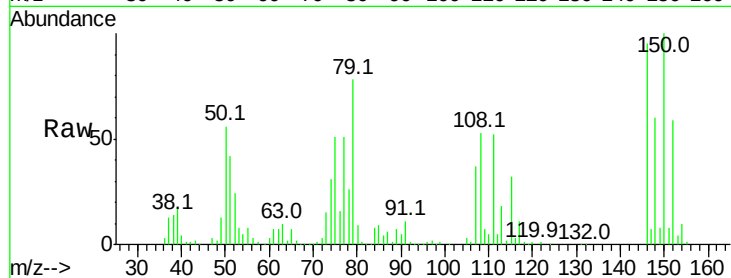
RAV-GT-104MSD

Tot Ion: 79 Resp: 220903
Ion Ratio Lower Upper

79	100		
108	68.2	68.4	102.6#
77	64.9	50.6	76.0

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.54 ng

RT: 6.87 min Scan# 462

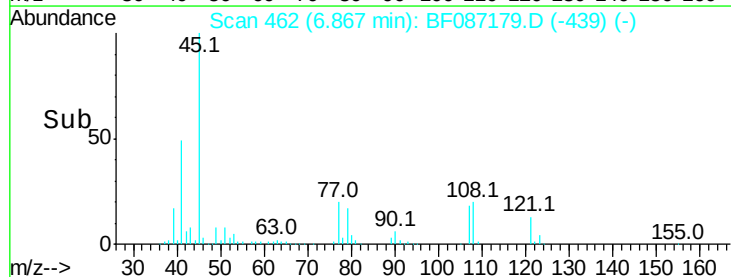
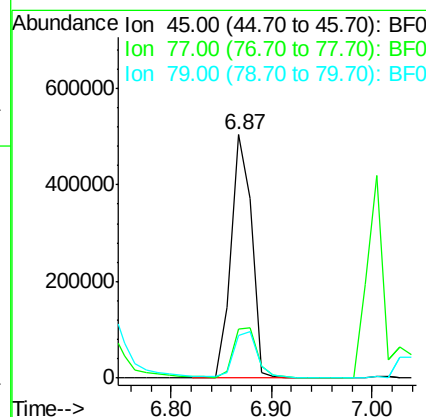
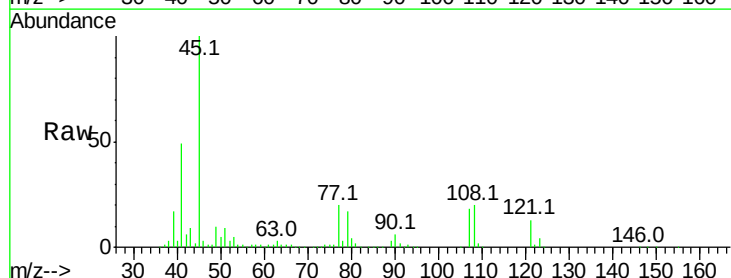
Delta R.T. -0.03 min

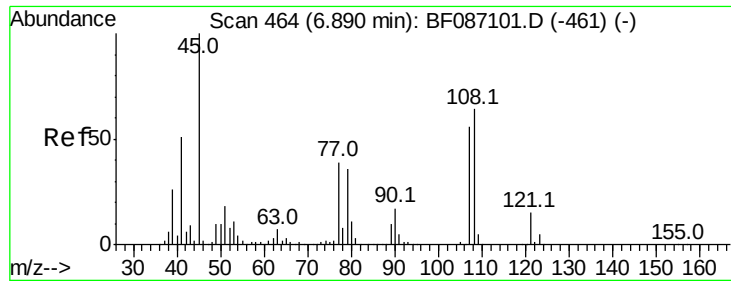
Lab File: BF087179.D

Acq: 19 May 2016 9:09

Tgt Ion: 45 Resp: 715797
Ion Ratio Lower Upper

45	100		
77	20.1	0.0	36.4
79	17.4	0.0	33.4





#17

2-Methylphenol

Concen: 27.75 ng

RT: 6.88 min Scan# 463

Delta R.T. -0.02 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

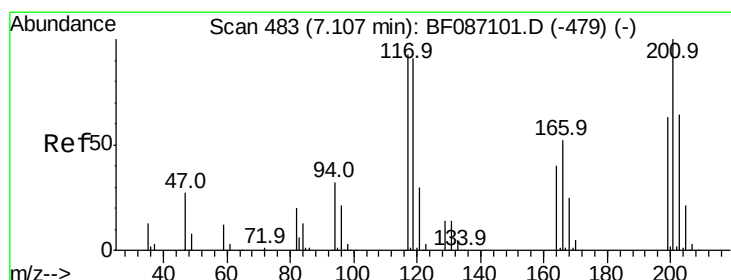
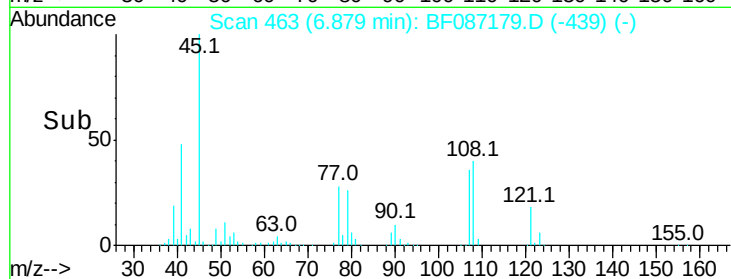
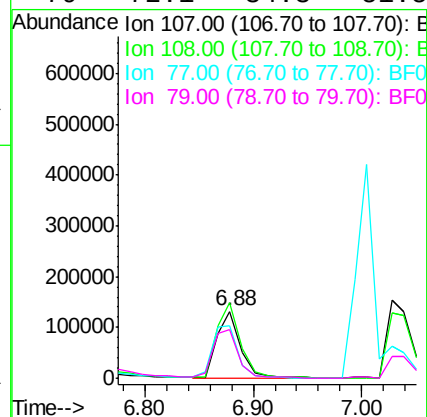
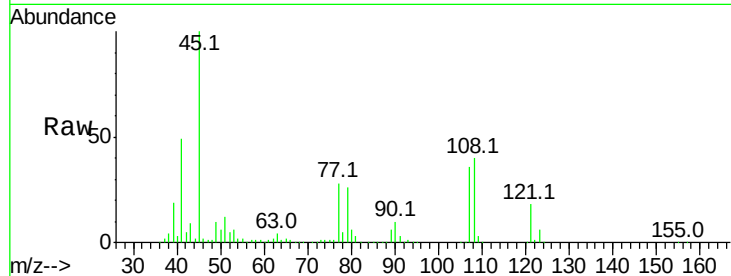
ClientSampleId :

RAV-GT-104MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100		197868		
108	112.8	93.7	140.5		
77	78.1	33.4	50.0#		
79	72.1	34.3	51.5#		

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#18

Hexachloroethane

Concen: 31.40 ng

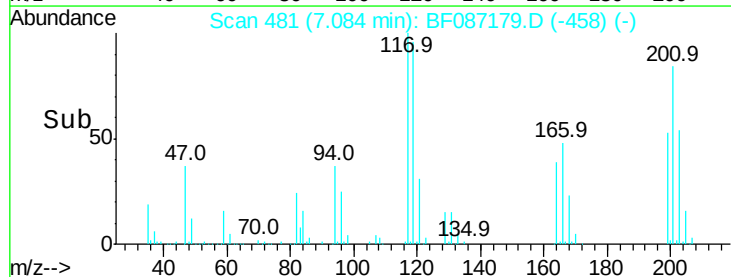
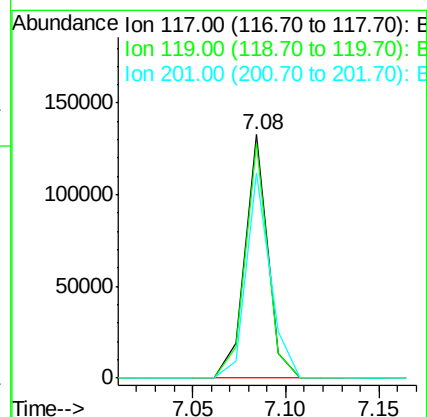
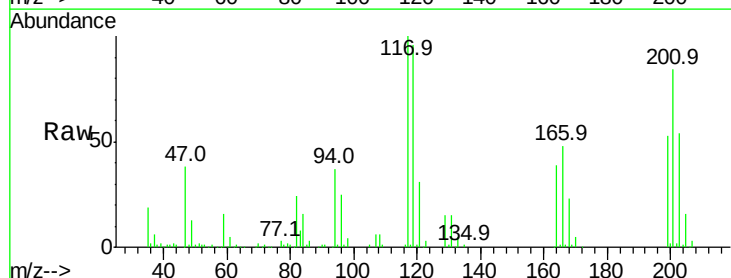
RT: 7.08 min Scan# 481

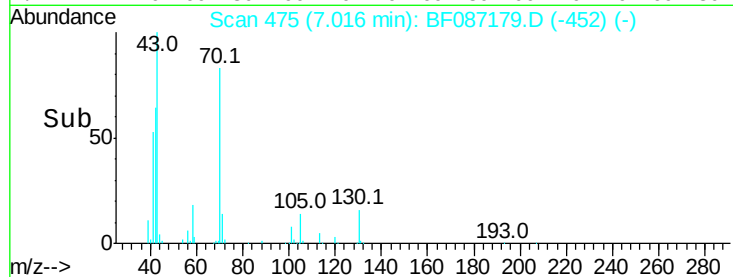
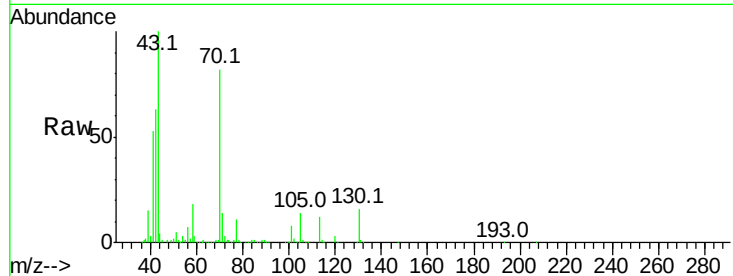
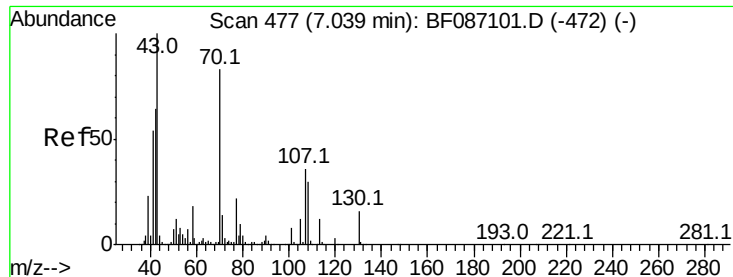
Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		113336		
119	96.3	76.5	114.7		
201	84.3	63.0	94.6		





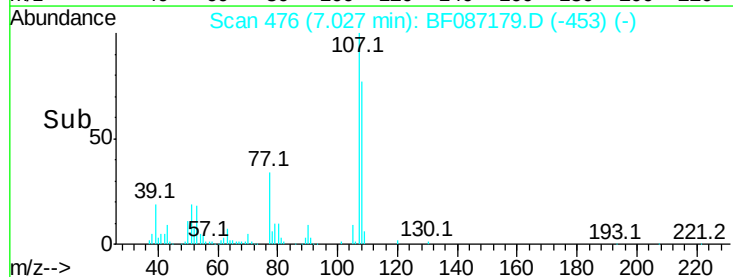
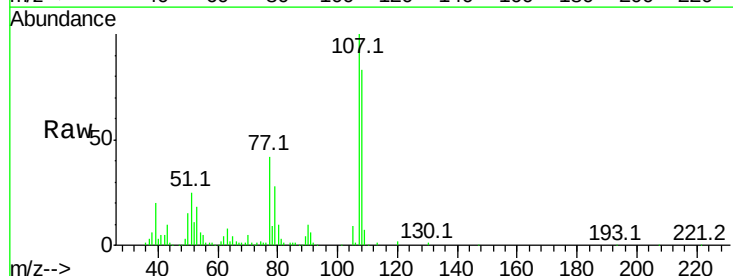
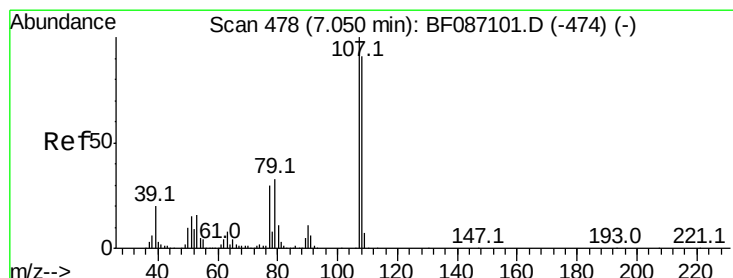
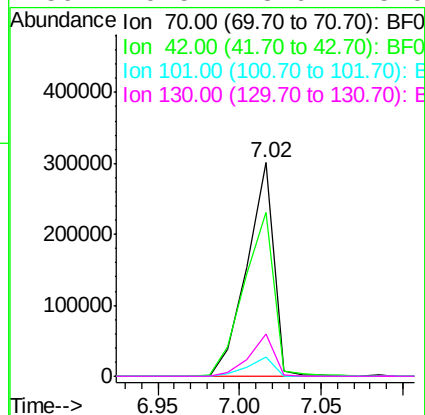
#19
n-Nitroso-di-n-propylamine
Concen: 47.64 ng
RT: 7.02 min Scan# 475
Delta R.T. -0.03 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	76.9	43.1	64.7#
101	9.3	8.1	12.1
130	19.5	18.6	28.0

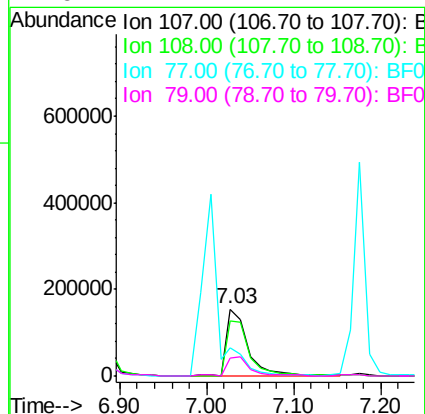
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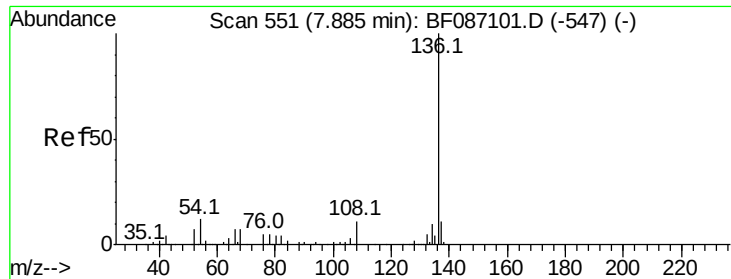
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#20
3+4-Methylphenols
Concen: 27.68 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.03 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Tgt Ion	Ratio	Lower	Upper
107	100		
108	83.0	68.5	108.5
77	41.7	101.6	141.6#
79	27.7	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: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

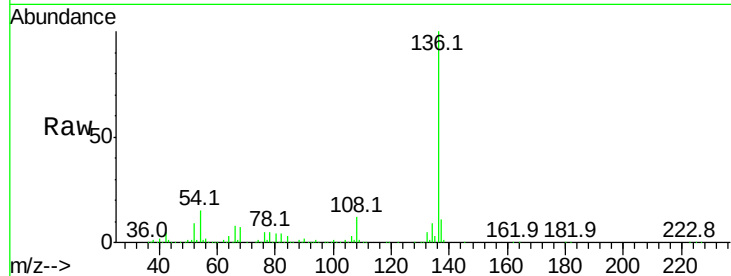
ClientSampleId :

RAV-GT-104MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		480449		
137	11.1	8.8	13.2		
54	15.1	5.0	7.4		
68	7.5	4.4	6.6		

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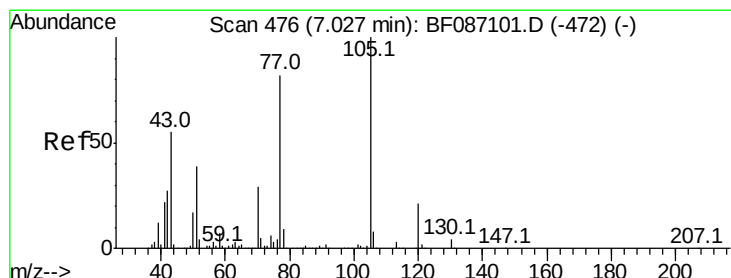
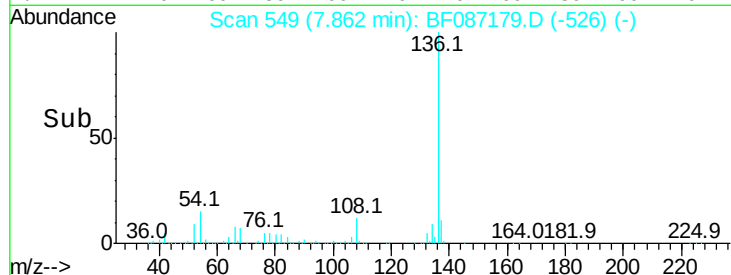
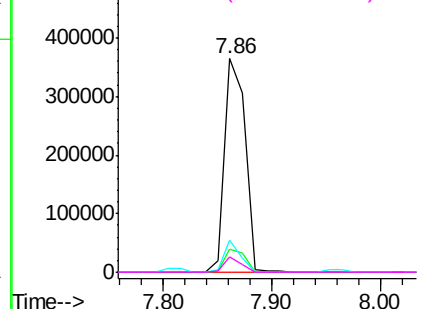


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 47.67 ng

RT: 7.00 min Scan# 474

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

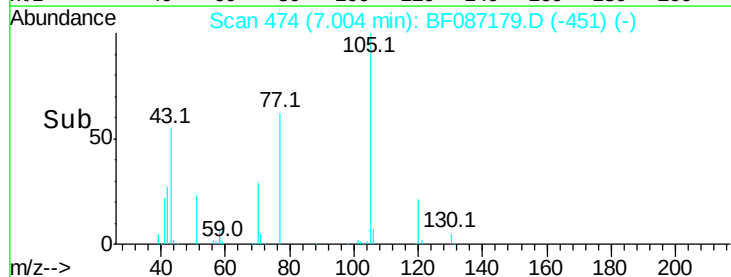
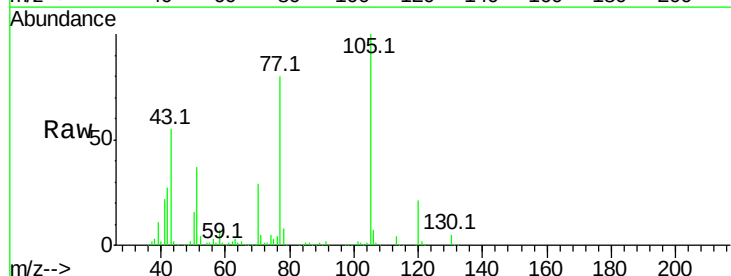
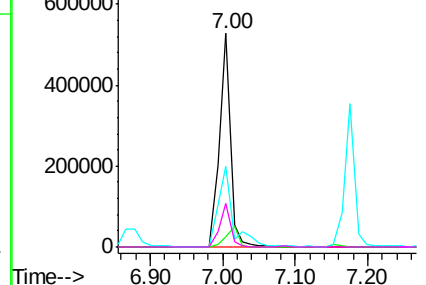
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		560523		
71	4.8	4.8	7.2		
51	37.5	32.6	49.0		
120	20.7	16.5	24.7		

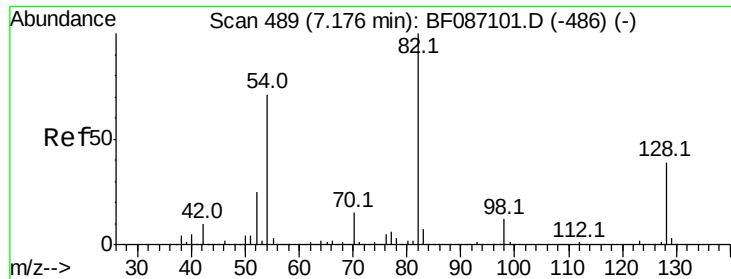
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





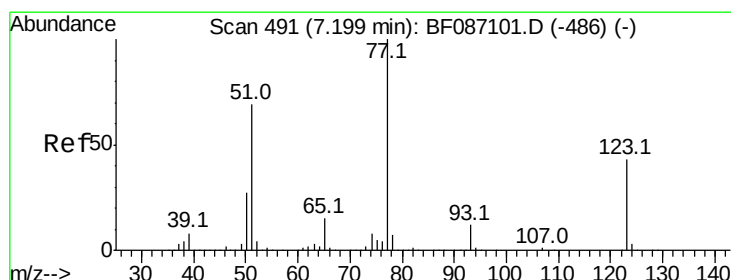
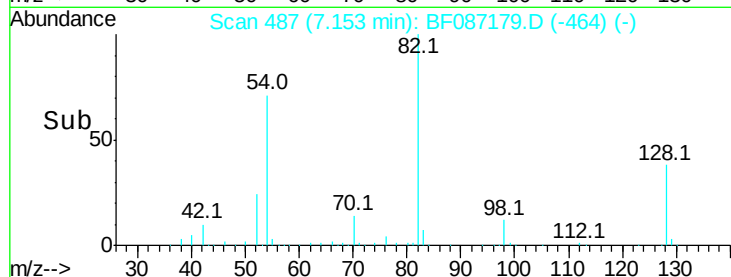
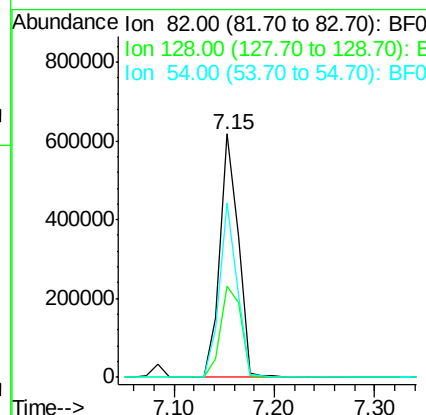
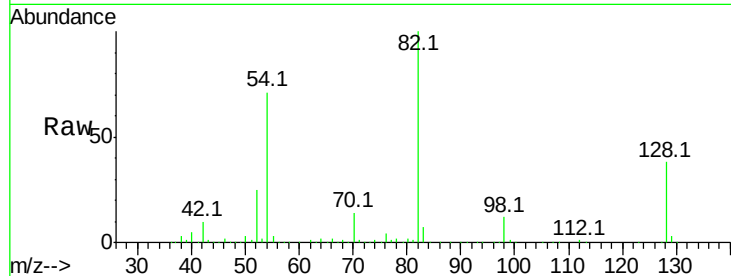
#23
 Nitrobenzene-d5
 Concen: 82.39 ng
 RT: 7.15 min Scan# 487
 Delta R.T. -0.03 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	794272		
128	37.6	40.6	61.0#	
54	71.5	38.1	57.1#	

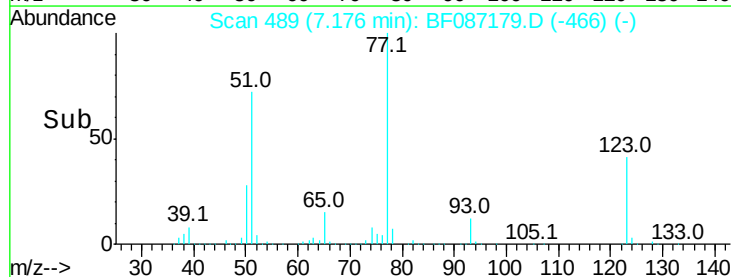
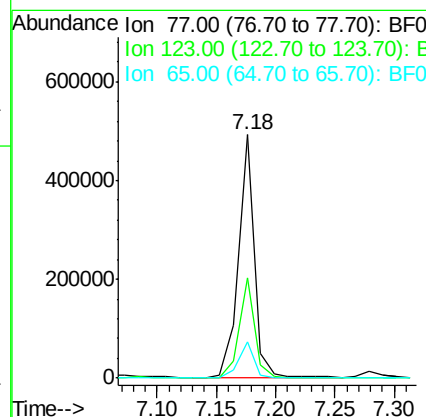
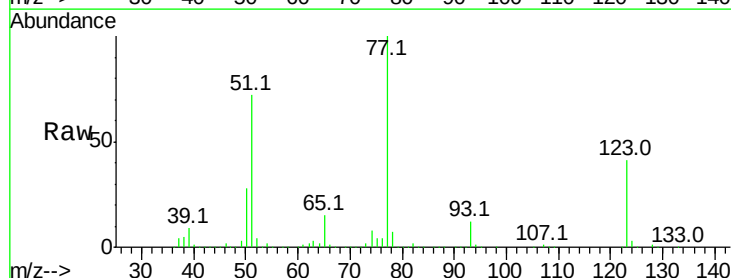
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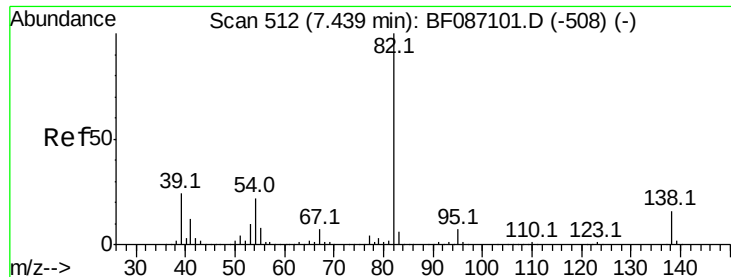
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#24
 Nitrobenzene
 Concen: 43.24 ng
 RT: 7.18 min Scan# 489
 Delta R.T. -0.03 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	455173		
123	41.0	33.0	49.4	
65	15.0	10.8	16.2	





#25

Isophorone

Concen: 47.30 ng

RT: 7.42 min Scan# 510

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

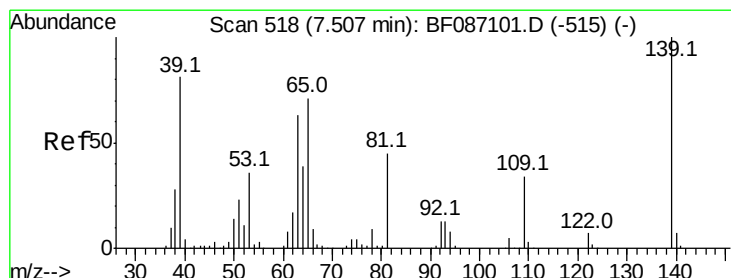
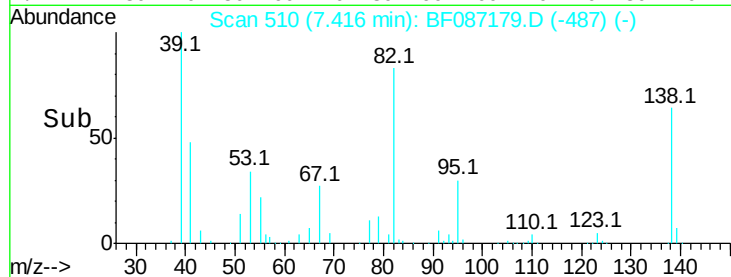
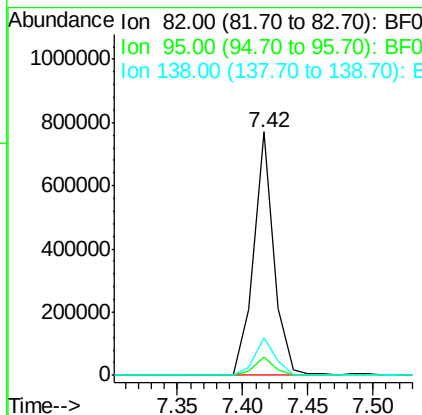
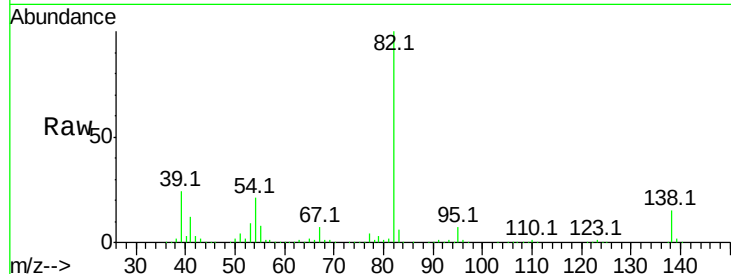
ClientSampleId :

RAV-GT-104MSD

Tot Ion:	82	Resp:	834720
Ion Ratio	Lower	Upper	
82	100		
95	7.3	5.1	7.7
138	15.3	12.4	18.6

Manual Integrations
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#26

2-Nitrophenol

Concen: 45.09 ng

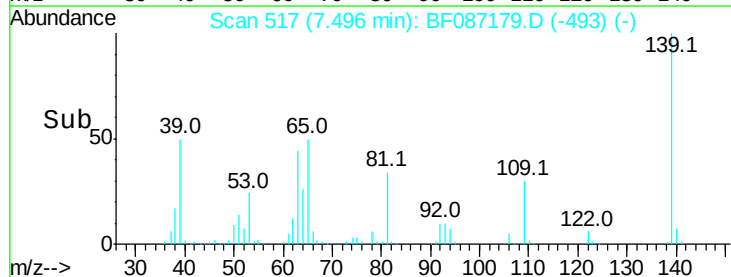
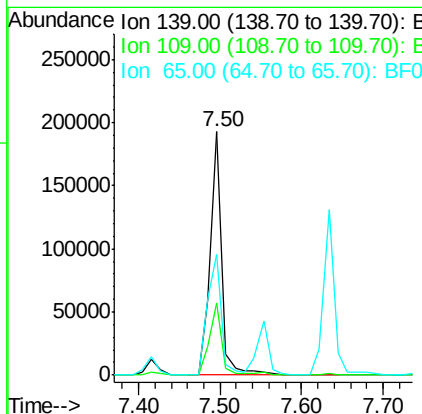
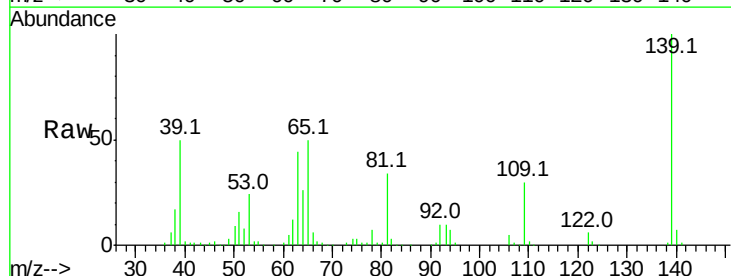
RT: 7.50 min Scan# 517

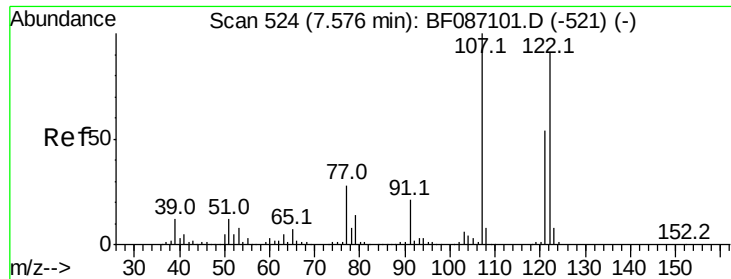
Delta R.T. -0.02 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Tgt Ion:	139	Resp:	196629
Ion Ratio	Lower	Upper	
139	100		
109	29.8	19.5	29.3#
65	49.8	37.5	56.3





#27

2,4-Dimethylphenol

Concen: 42.93 ng

RT: 7.55 min Scan# 522

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

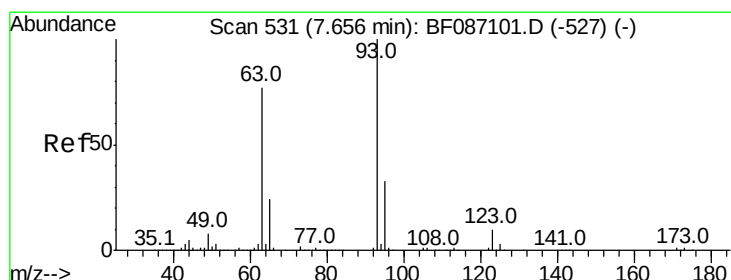
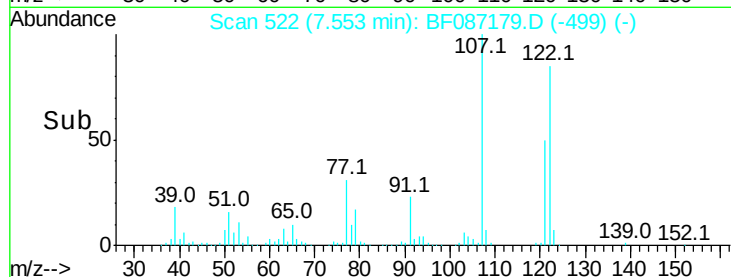
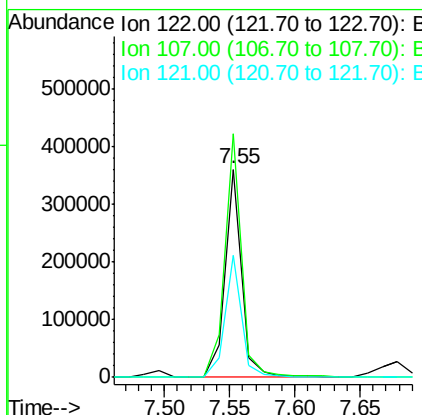
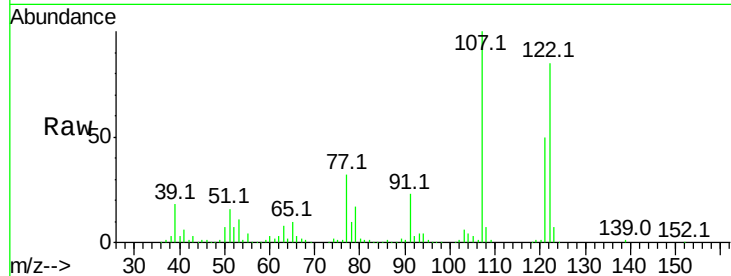
ClientSampleId :

RAV-GT-104MSD

Tot Ion:	122	Resp:	319466
Ion Ratio	Lower	Upper	
122	100		
107	117.2	82.0	123.0
121	58.8	46.1	69.1

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#28

bis(2-Chloroethoxy)methane

Concen: 49.75 ng

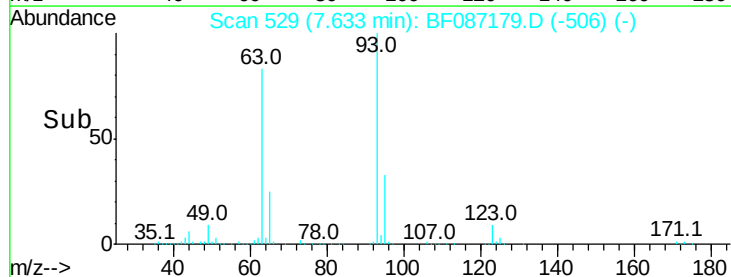
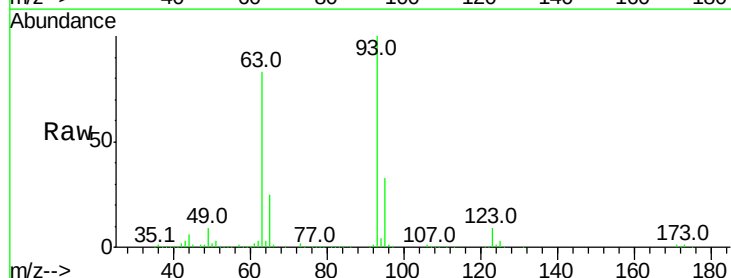
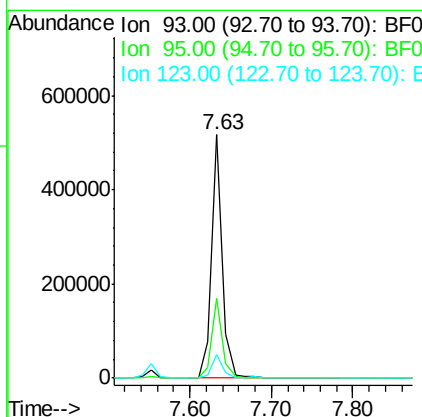
RT: 7.63 min Scan# 529

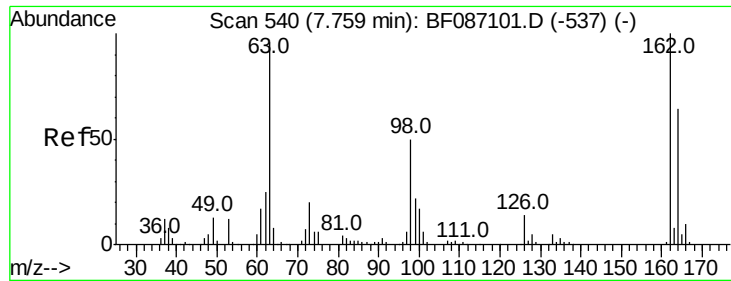
Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Tgt Ion:	93	Resp:	482003
Ion Ratio	Lower	Upper	
93	100		
95	32.7	26.0	39.0
123	9.5	9.5	14.3#





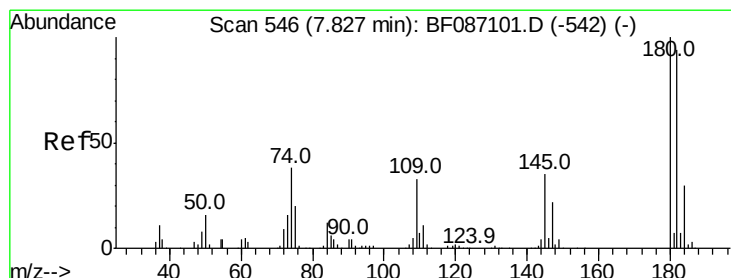
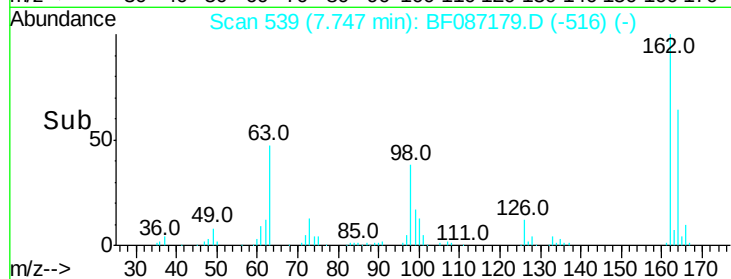
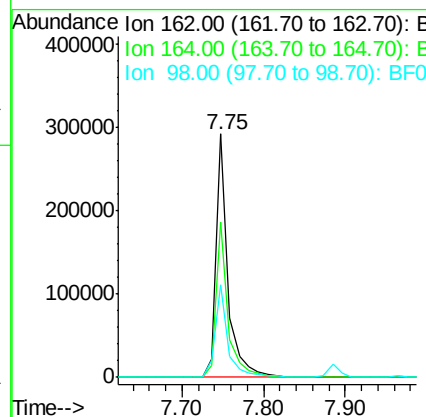
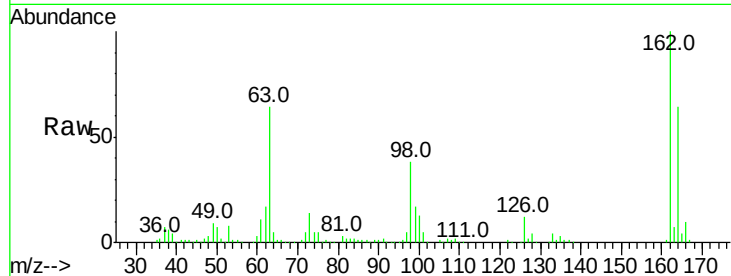
#29
 2,4-Dichlorophenol
 Concen: 46.19 ng
 RT: 7.75 min Scan# 539
 Delta R.T. -0.03 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MSD

Tot Ion:	162	Resp:	302904
Ion Ratio	Lower	Upper	
162	100		
164	63.8	42.2	82.2
98	37.9	19.0	59.0

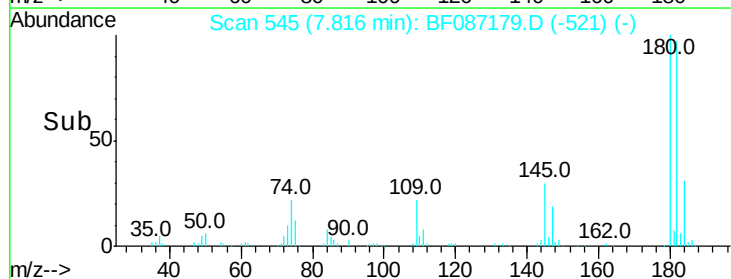
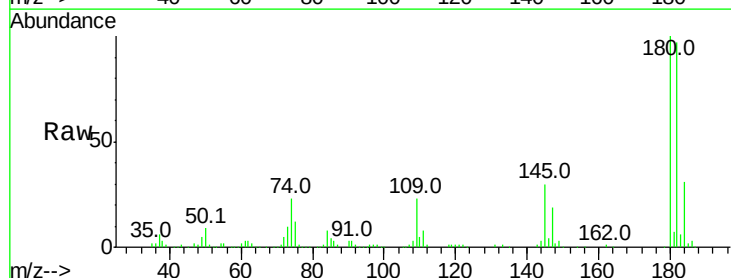
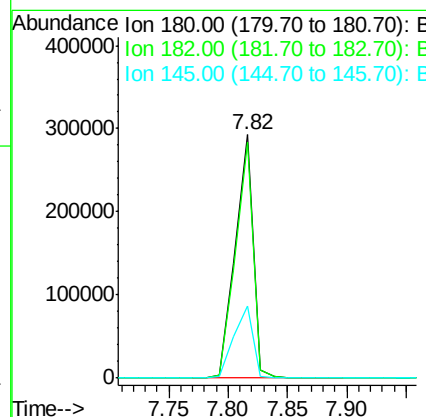
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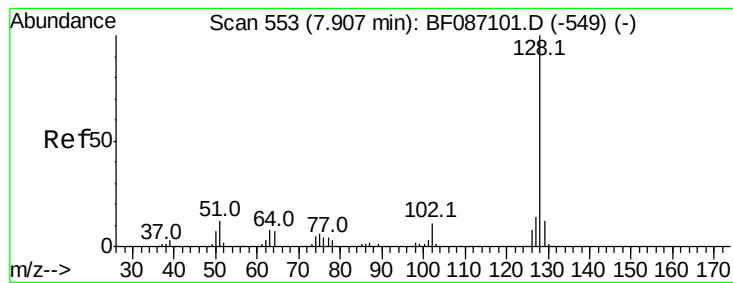
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#30
 1,2,4-Trichlorobenzene
 Concen: 42.26 ng
 RT: 7.82 min Scan# 545
 Delta R.T. -0.02 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Tgt Ion:	180	Resp:	307494
Ion Ratio	Lower	Upper	
180	100		
182	96.9	78.0	117.0
145	29.8	24.2	36.2





#31

Naphthalene

Concen: 41.15 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

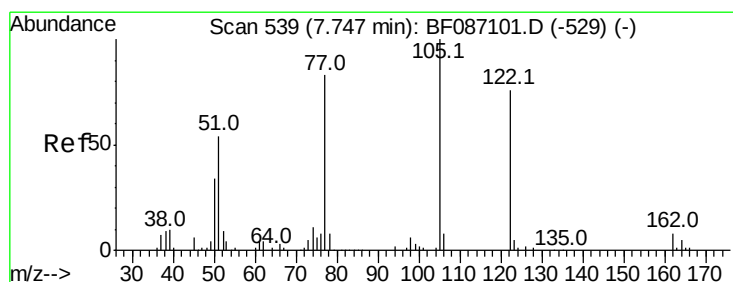
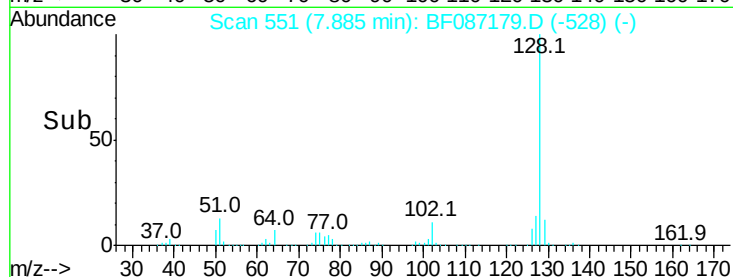
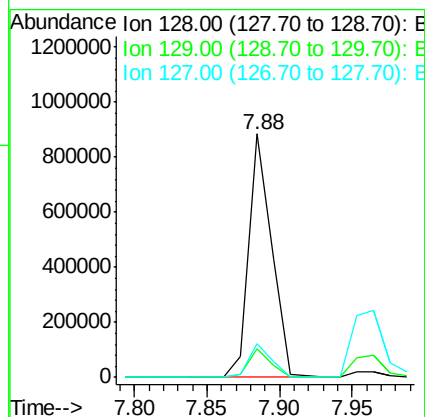
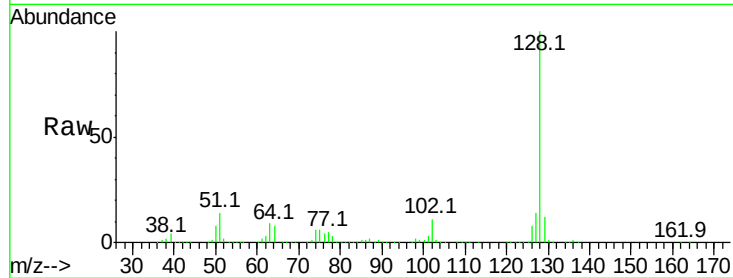
ClientSampleId :

RAV-GT-104MSD

Tot Ion:	128	Resp:	966080
Ion Ratio	Lower	Upper	
128	100		
129	11.6	8.6	13.0
127	13.8	10.8	16.2

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#32

Benzoic acid

Concen: 10.96 ng

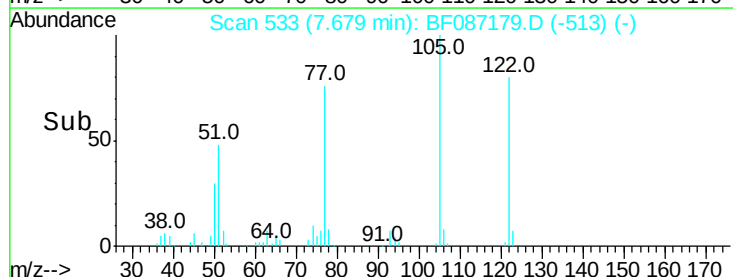
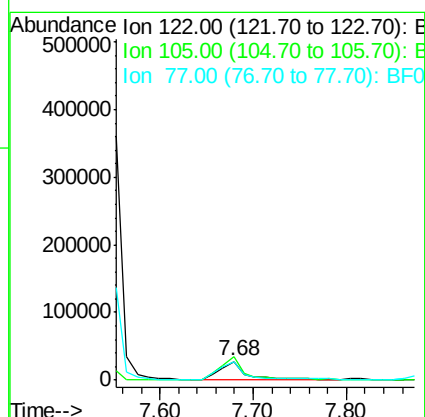
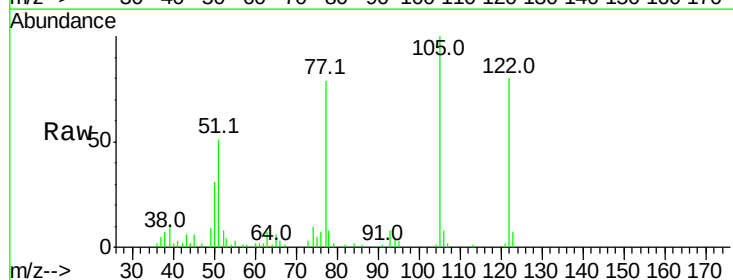
RT: 7.68 min Scan# 533

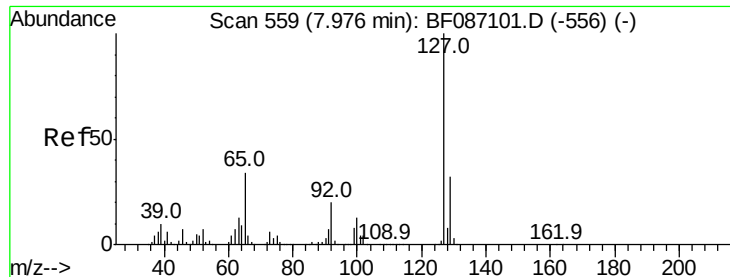
Delta R.T. -0.07 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Tgt Ion:	122	Resp:	48626
Ion Ratio	Lower	Upper	
122	100		
105	125.1	92.6	132.6
77	98.7	60.0	100.0





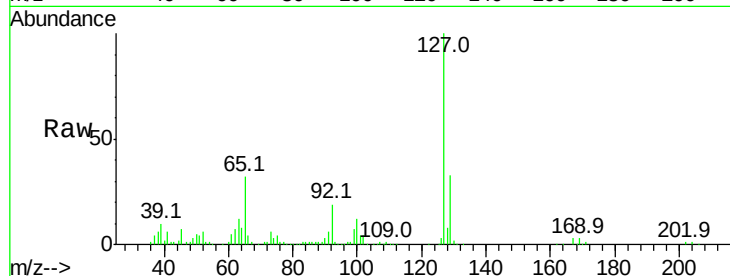
#33
4-Chloroaniline
Concen: 40.72 ng
RT: 7.96 min Scan# 558
Delta R.T. -0.02 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MSD

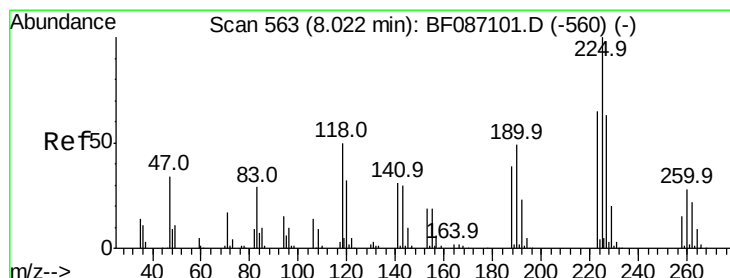
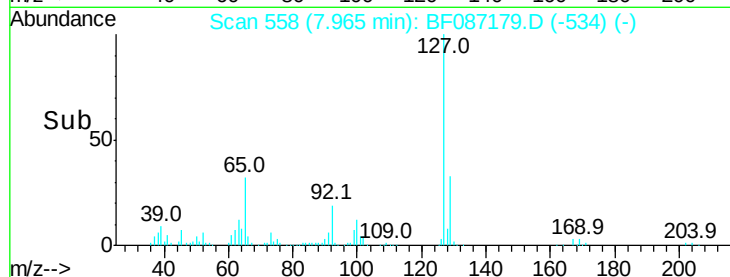
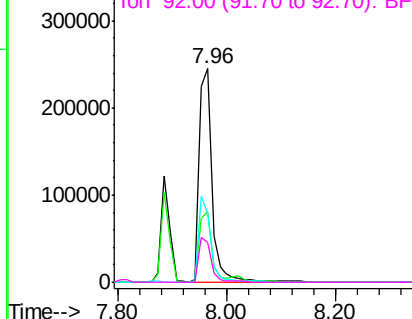
Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.8	26.2	39.4		
65	32.1	23.0	34.4		
92	18.6	15.1	22.7		

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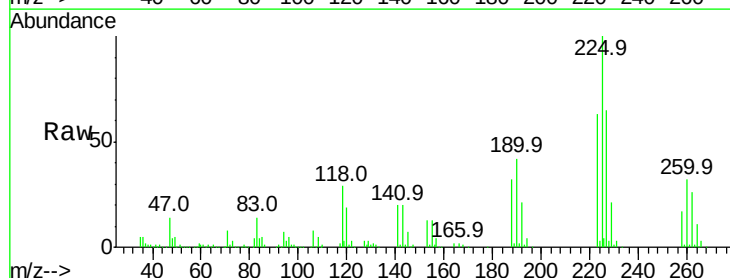


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

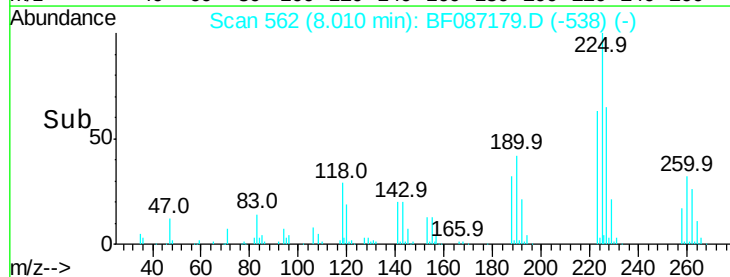
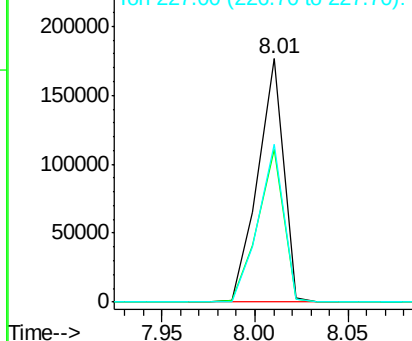


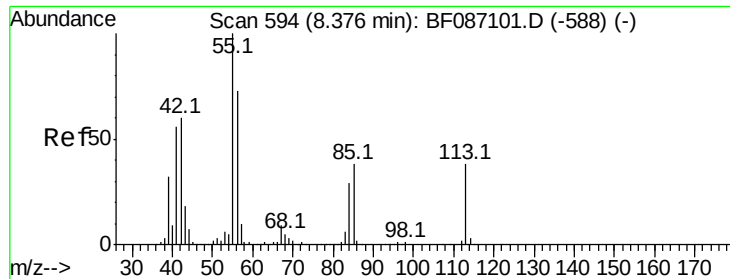
#34
Hexachlorobutadiene
Concen: 40.89 ng
RT: 8.01 min Scan# 562
Delta R.T. -0.02 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.9	51.5	77.3		
227	65.0	52.2	78.2		



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 7.21 ng

RT: 8.35 min Scan# 592

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MSD

Tot Ion:113 Resp: 15732

Ion Ratio Lower Upper

113 100

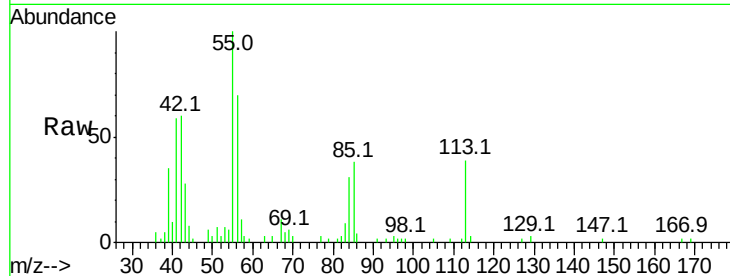
55 258.6 162.0 202.0#

56 181.0 115.3 155.3#

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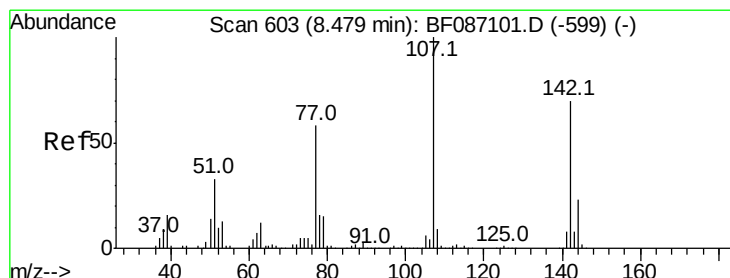
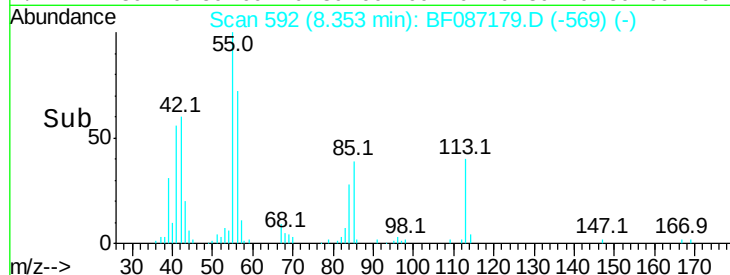
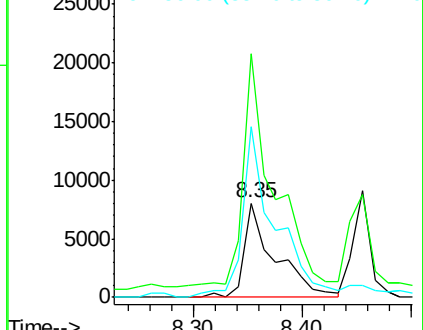
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 42.33 ng

RT: 8.46 min Scan# 601

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

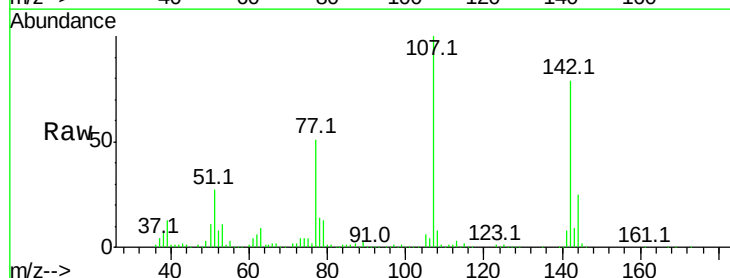
Tgt Ion:107 Resp: 334776

Ion Ratio Lower Upper

107 100

144 25.3 20.7 31.1

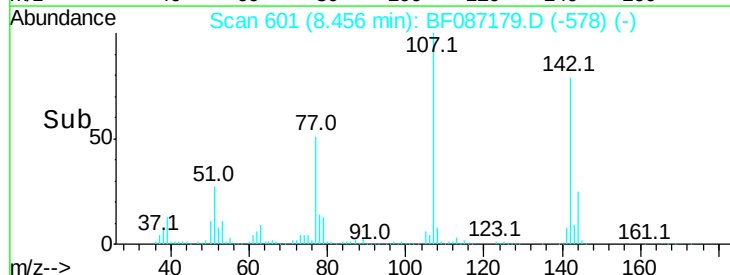
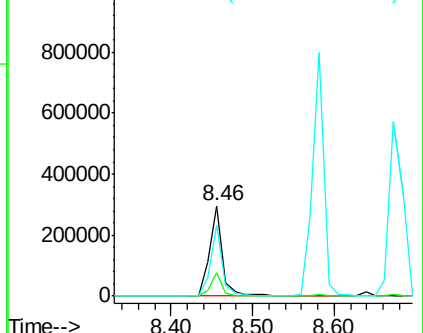
142 78.5 63.2 94.8

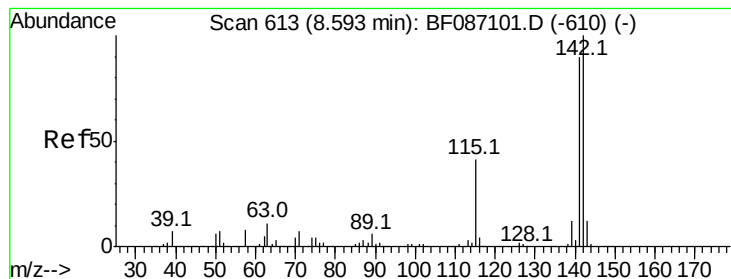


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 50.80 ng

RT: 8.58 min Scan# 612

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

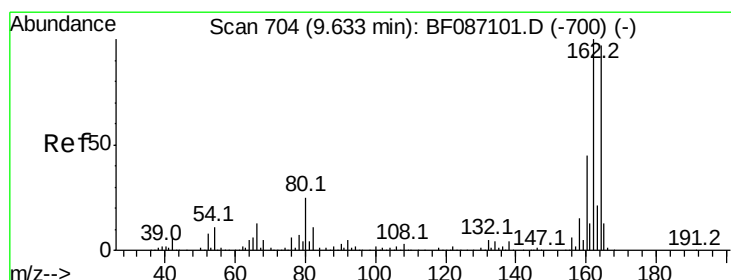
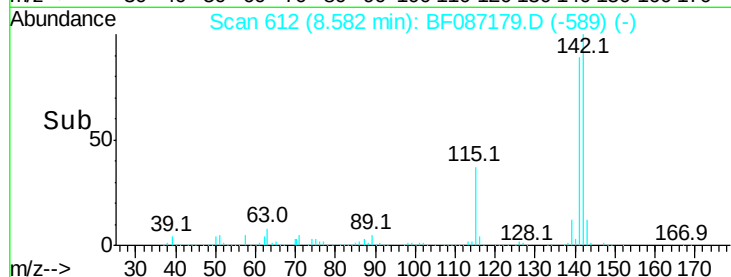
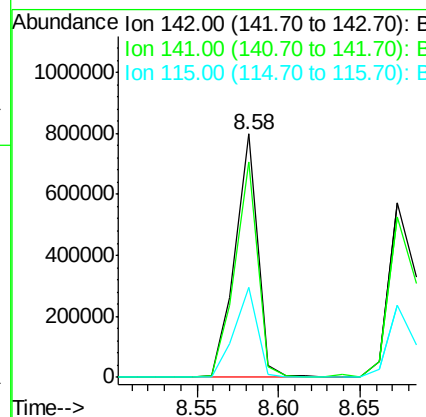
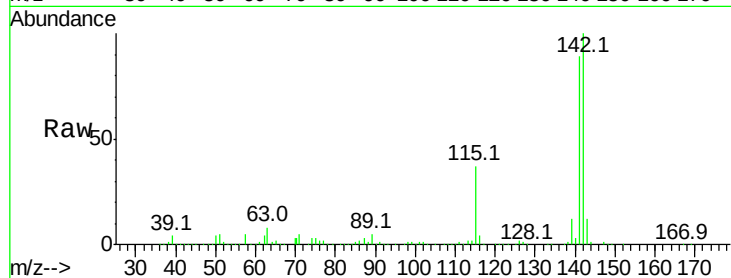
ClientSampleId :

RAV-GT-104MSD

Tot Ion:	142	Resp:	762784
Ion Ratio	Lower	Upper	
142	100		
141	88.7	71.0	106.6
115	37.2	26.6	39.8

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#38

Acenaphthene-d10

Concen: 20.00 ng

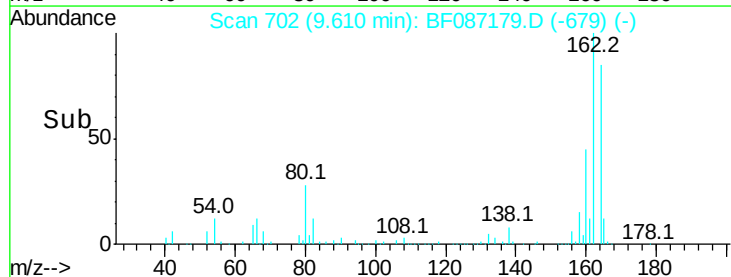
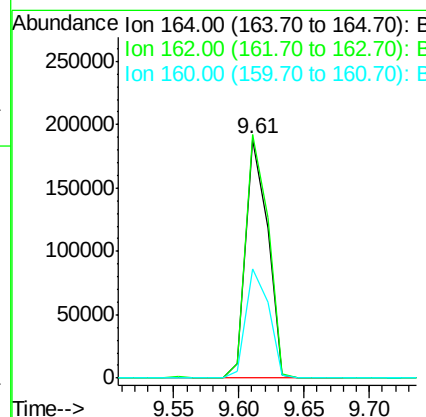
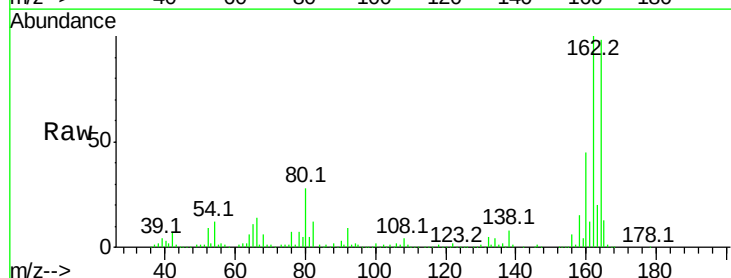
RT: 9.61 min Scan# 702

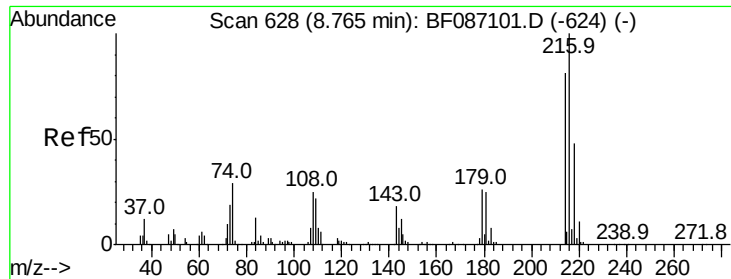
Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Tgt Ion:	164	Resp:	221042
Ion Ratio	Lower	Upper	
164	100		
162	101.9	82.8	124.2
160	45.7	36.9	55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 47.29 ng

RT: 8.75 min Scan# 627

Delta R.T. -0.02 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

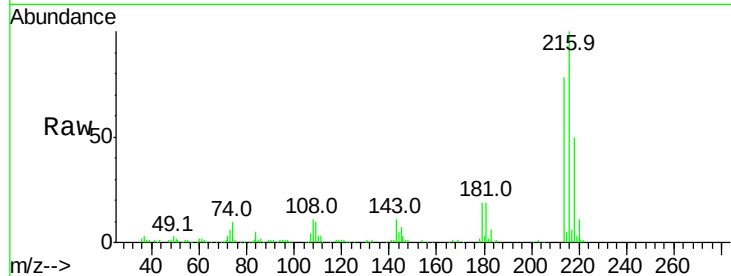
ClientSampleId :

RAV-GT-104MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	305336		
214	79.6	62.6	93.8	
179	23.2	18.2	27.4	
108	22.1	17.5	26.3	

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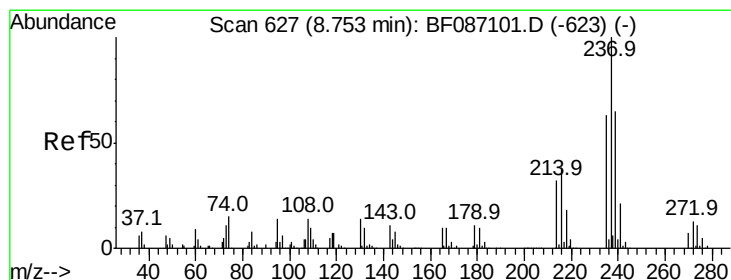
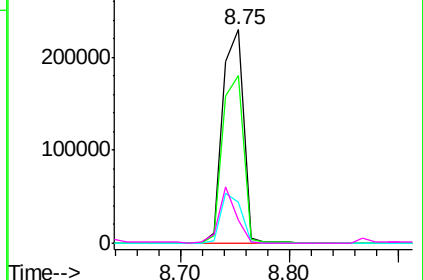
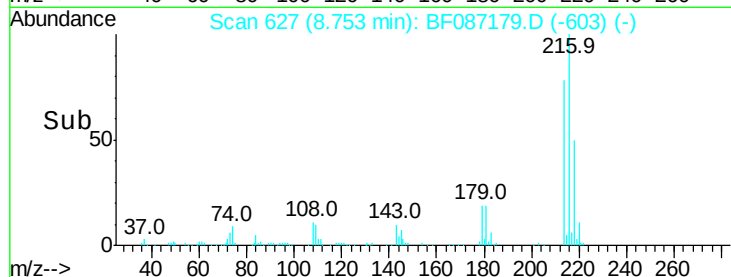


Abundance Ion 216.00 (215.70 to 216.70): E

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: 45.57 ng

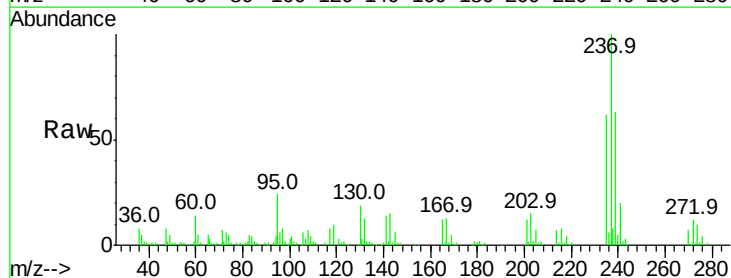
RT: 8.73 min Scan# 625

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

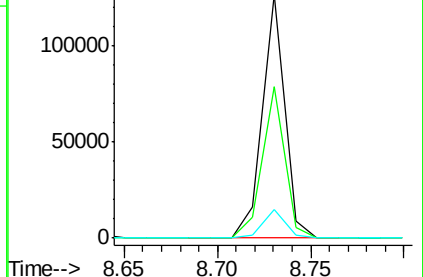
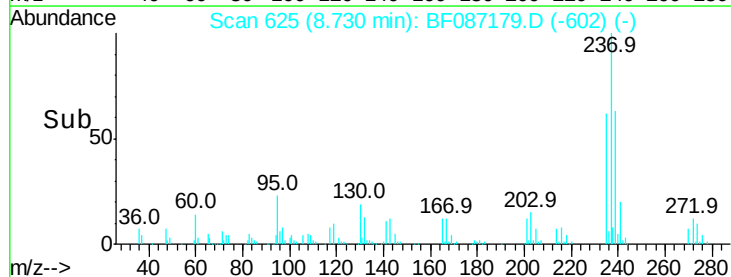
Tgt Ion	Ratio	Resp	Lower	Upper
237	100	104279		
235	62.1	47.2	87.2	
272	11.9	0.0	31.1	

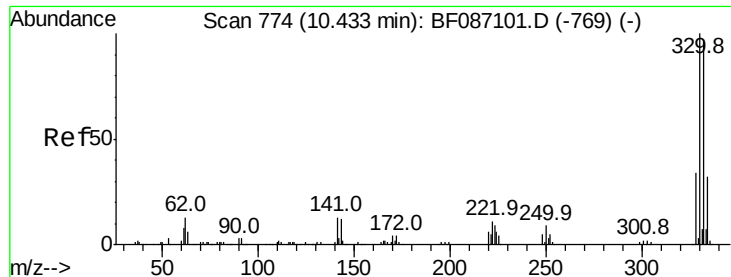


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





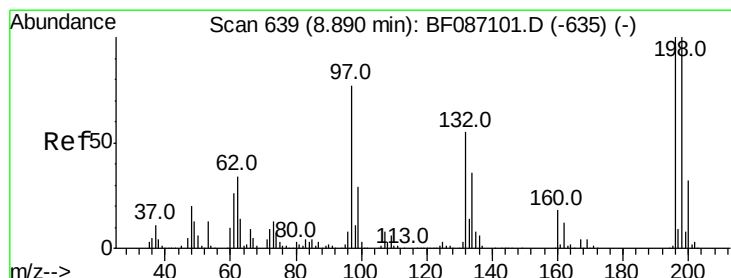
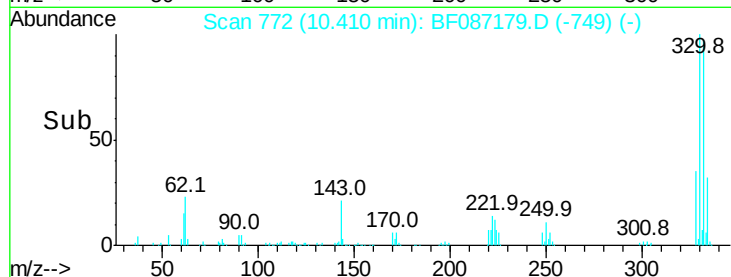
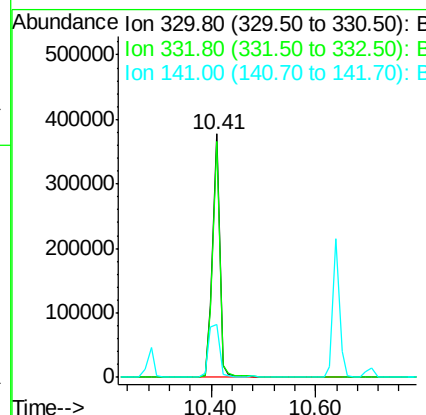
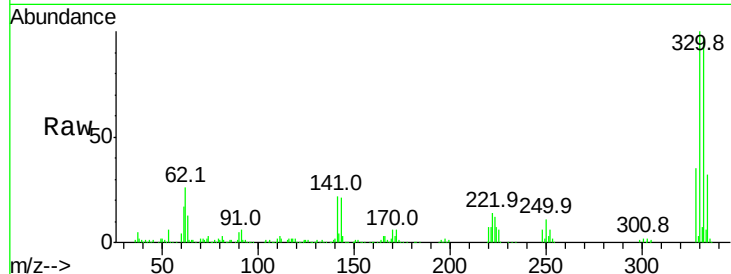
#41
 2,4,6-Tribromophenol
 Concen: 151.21 ng
 RT: 10.41 min Scan# 772
 Delta R.T. -0.03 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	369344		
332	96.5	79.0	118.4	
141	32.3	31.2	46.8	

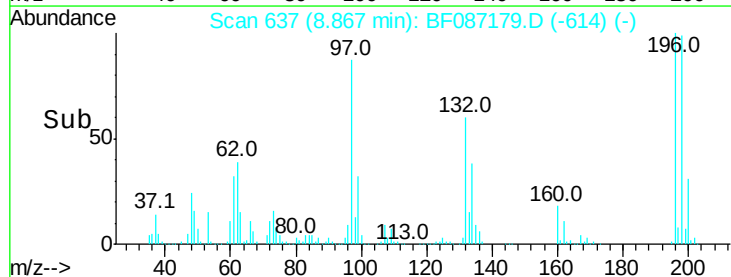
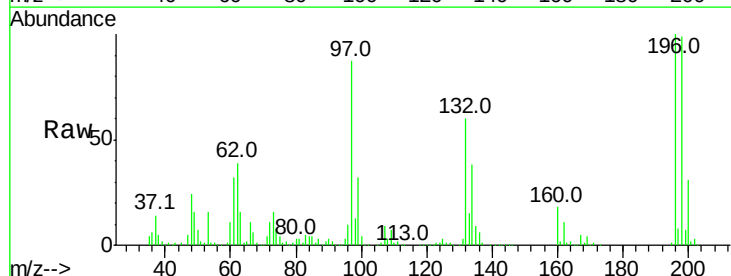
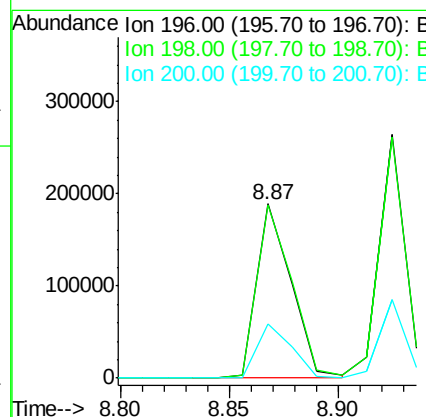
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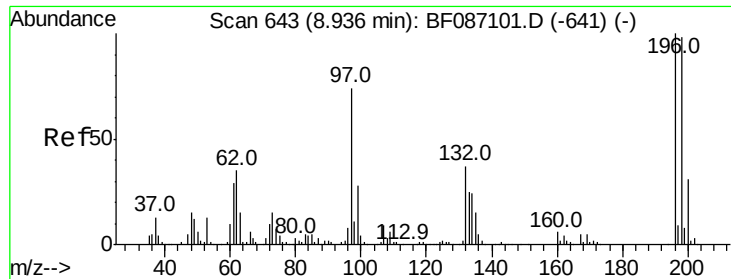
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#42
 2,4,6-Trichlorophenol
 Concen: 49.96 ng
 RT: 8.87 min Scan# 637
 Delta R.T. -0.03 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	209192		
198	99.3	74.7	112.1	
200	30.9	23.8	35.6	





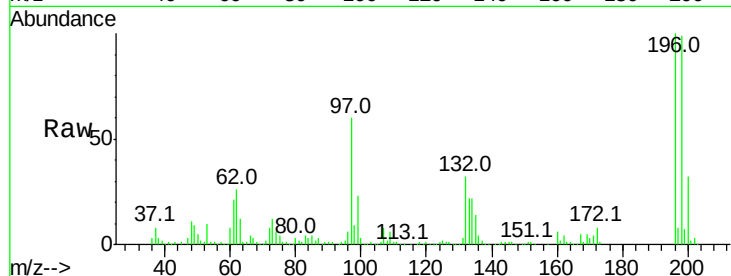
#43
 2,4,5-Trichlorophenol
 Concen: 53.15 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.02 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	231175		
198	99.0	77.5	116.3	
97	59.6	34.8	52.2	
132	32.3	23.0	34.4	

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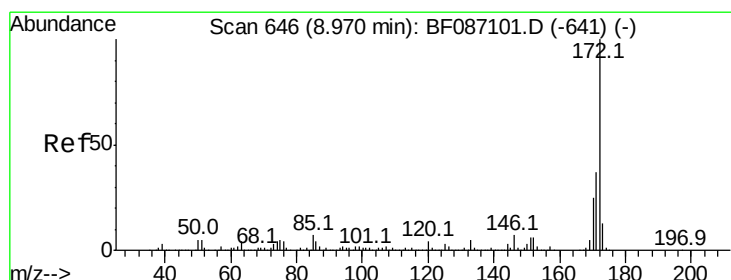
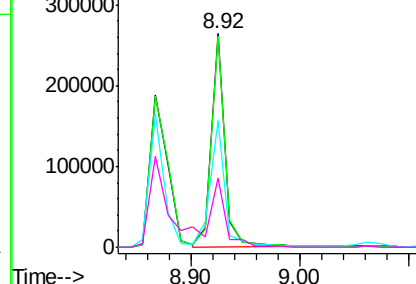
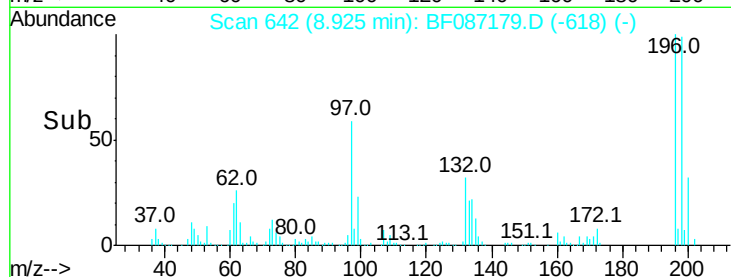
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

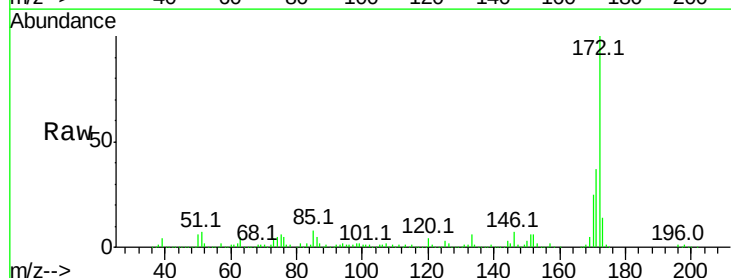
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 98.30 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.03 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1311990		
171	36.6	29.0	43.6	
170	24.6	19.8	29.8	

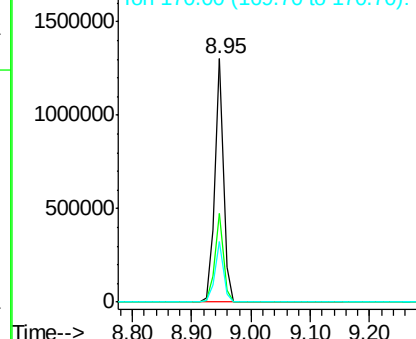
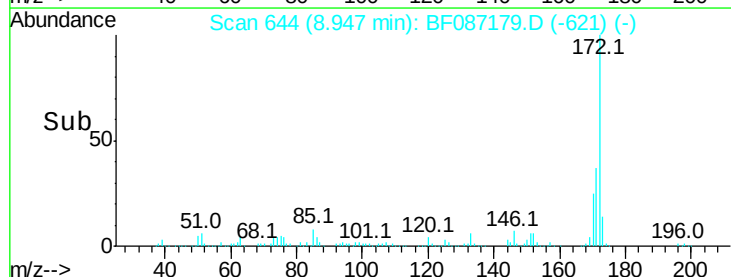


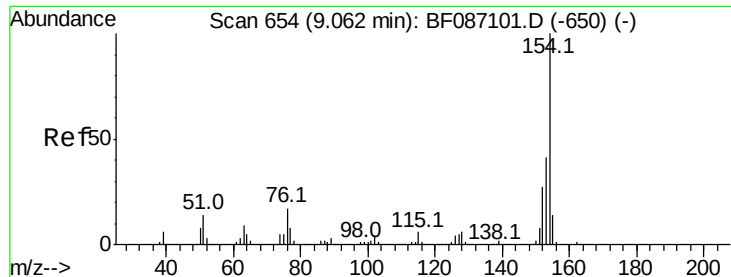
Abundance

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: 54.10 ng

RT: 9.05 min Scan# 653

Delta R.T. -0.02 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

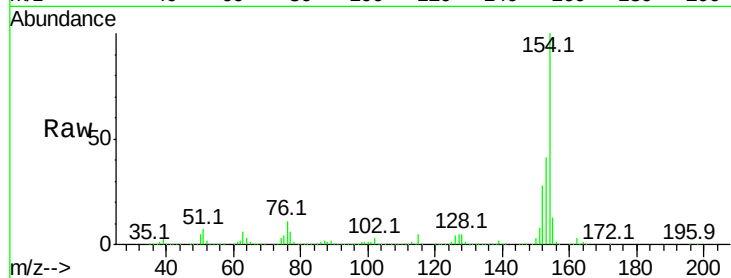
ClientSampleId :

RAV-GT-104MSD

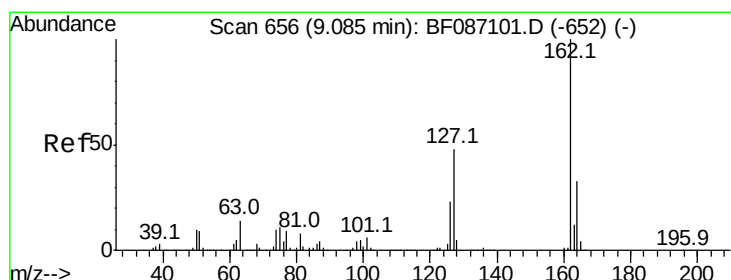
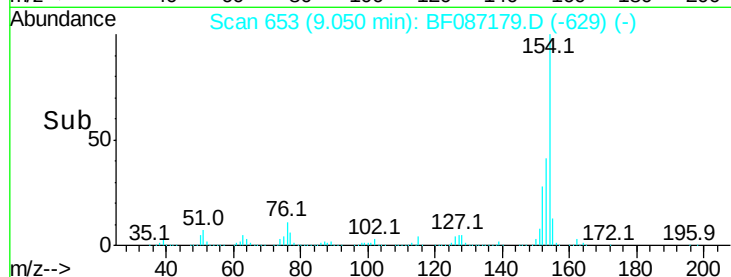
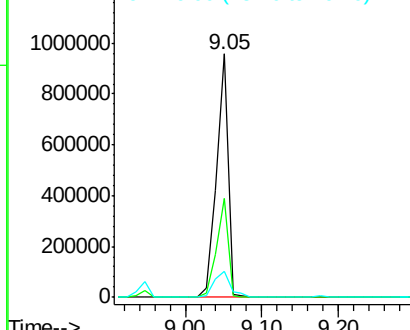
Tot Ion:	154	Resp:	991515
Ion Ratio	Lower	Upper	
154	100		
153	40.9	20.3	60.3
76	10.6	0.0	30.2

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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: 50.66 ng

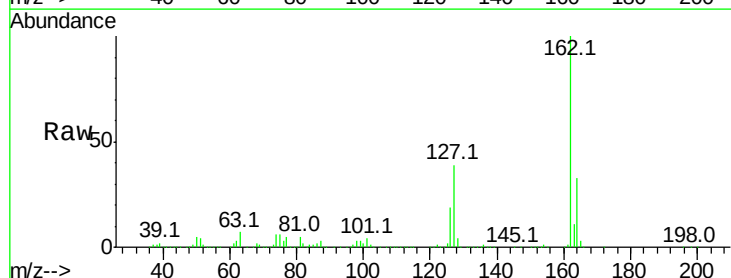
RT: 9.07 min Scan# 655

Delta R.T. -0.02 min

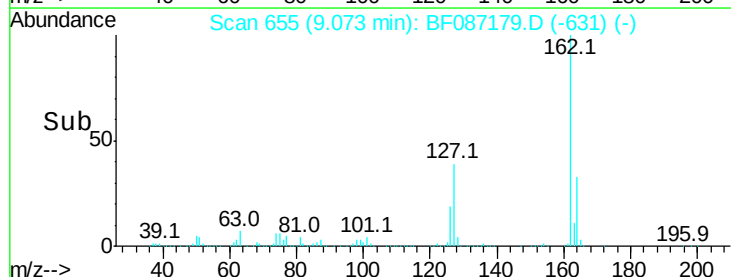
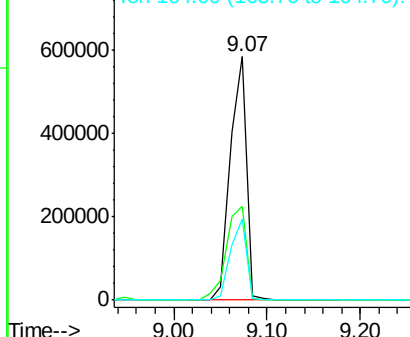
Lab File: BF087179.D

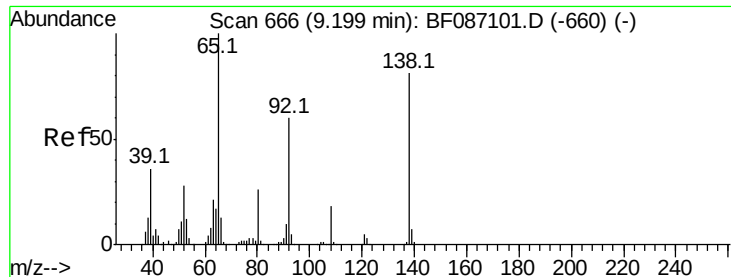
Acq: 19 May 2016 9:09

Tgt Ion:	162	Resp:	712759
Ion Ratio	Lower	Upper	
162	100		
127	38.7	31.8	47.6
164	33.3	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





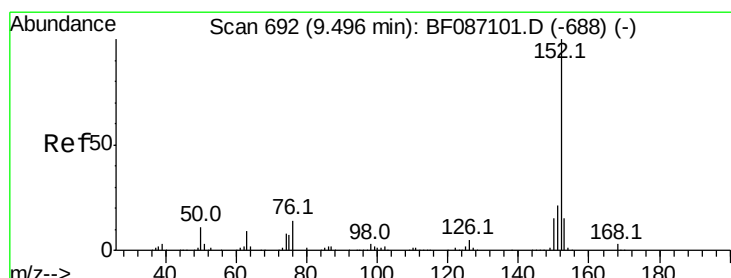
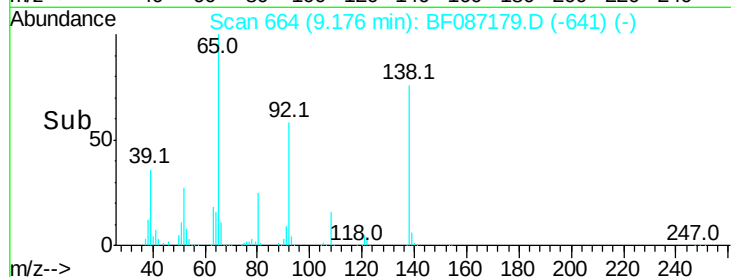
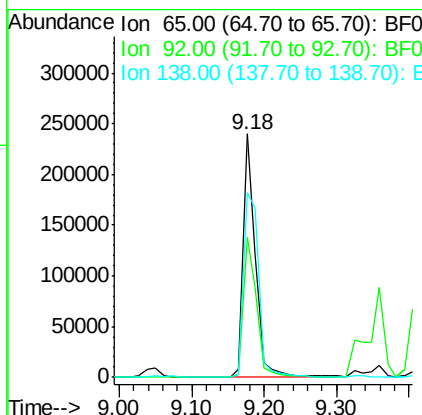
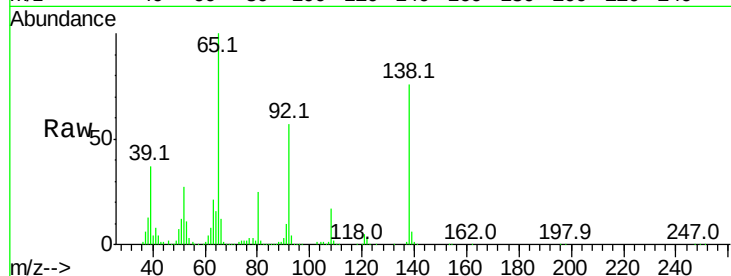
#47
2-Nitroaniline
Concen: 51.55 ng
RT: 9.18 min Scan# 664
Delta R.T. -0.03 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MSD

Tot Ion	Ratio	Lower	Upper
65	100		
92	57.3	57.4	86.2#
138	75.7	90.1	135.1#

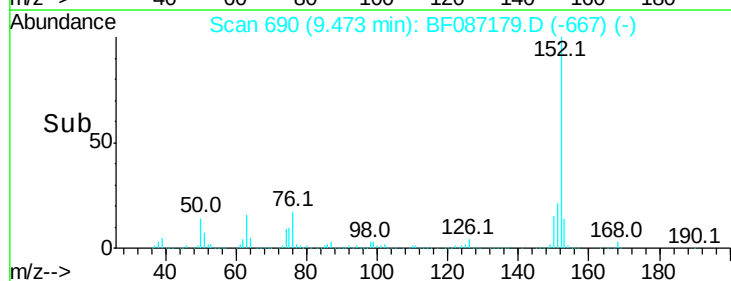
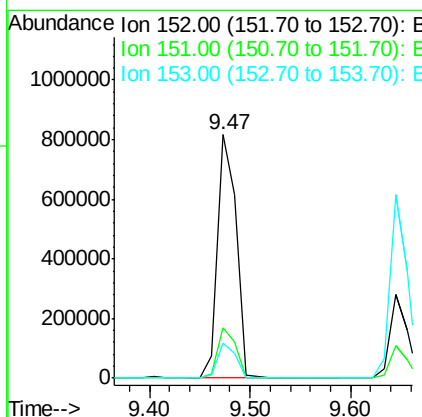
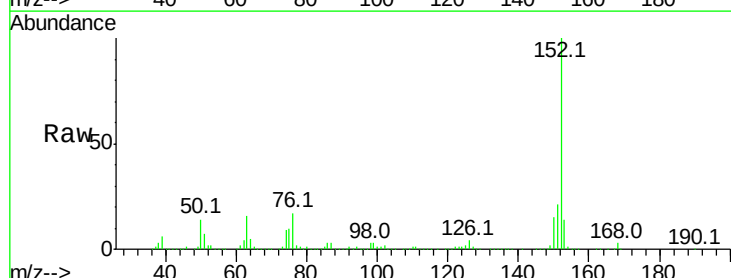
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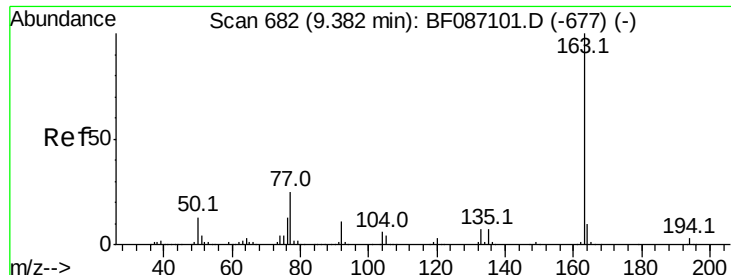
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#48
Acenaphthylene
Concen: 48.85 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.03 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.8	25.2
153	14.4	10.9	16.3





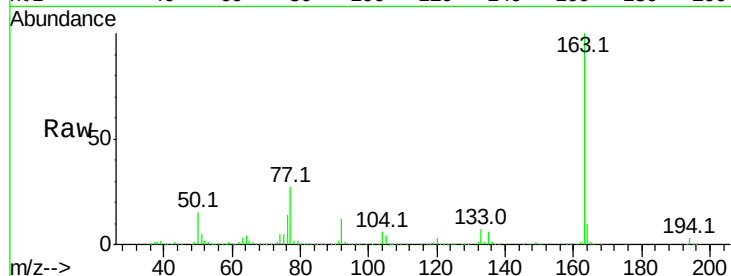
#49
Dimethylphthalate
Concen: 51.97 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.03 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100	876388		
194	3.2		2.6	4.0
164	10.4		8.2	12.4

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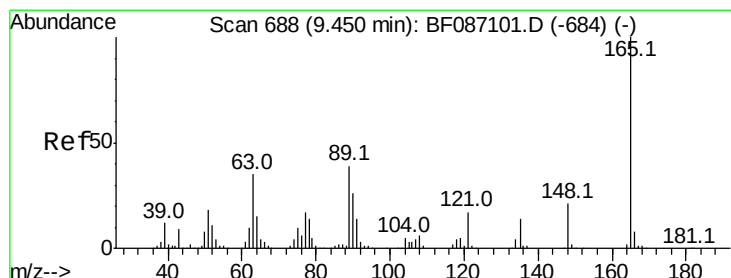
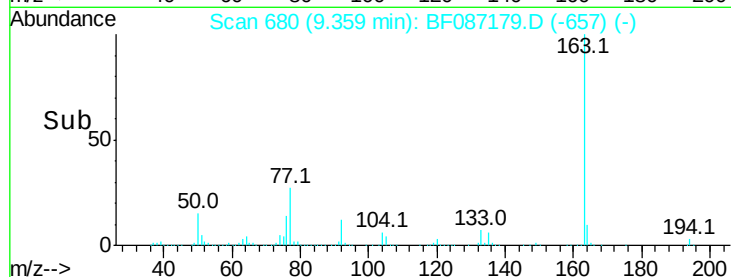
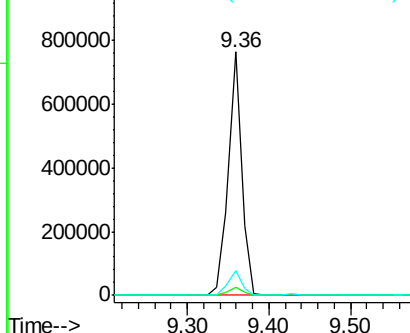


Abundance

Ion 163.00 (162.70 to 163.70): E

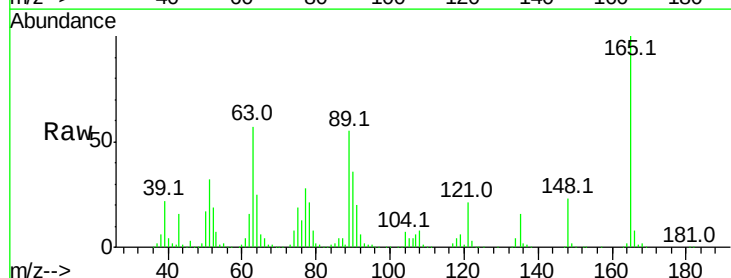
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50
2,6-Dinitrotoluene
Concen: 60.14 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	220188		
63	56.6		51.8	77.8
89	54.6		50.7	76.1

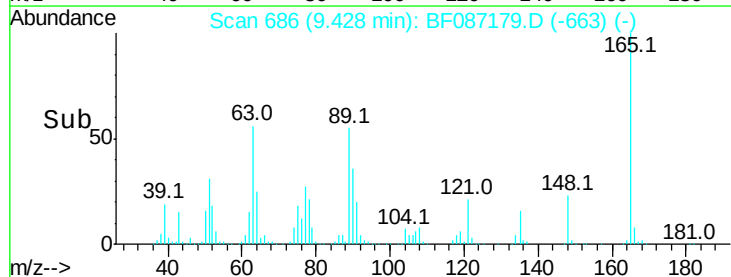
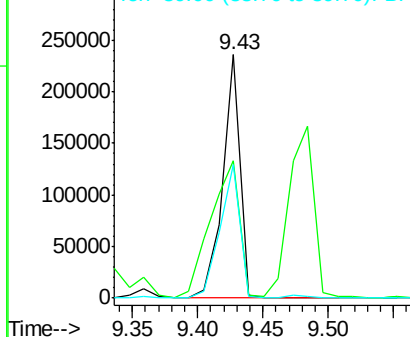


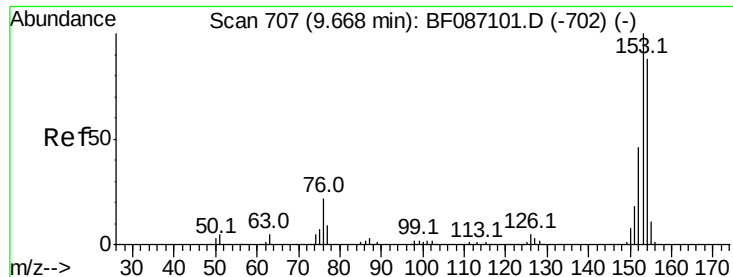
Abundance

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: 47.18 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

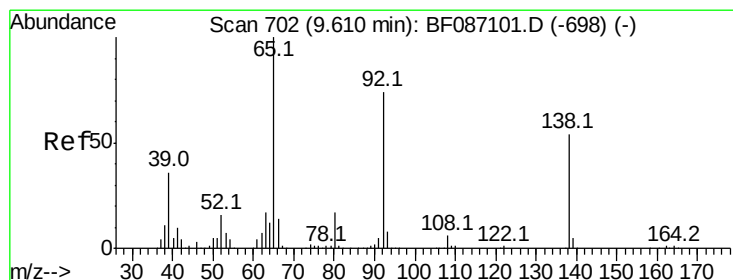
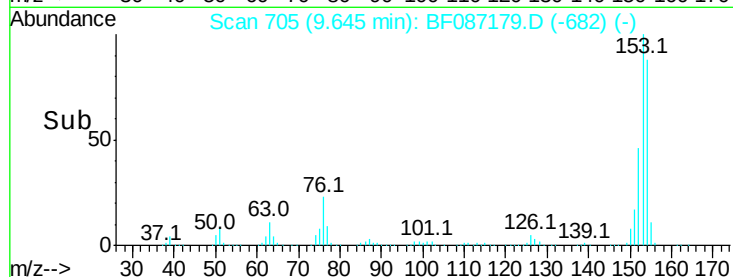
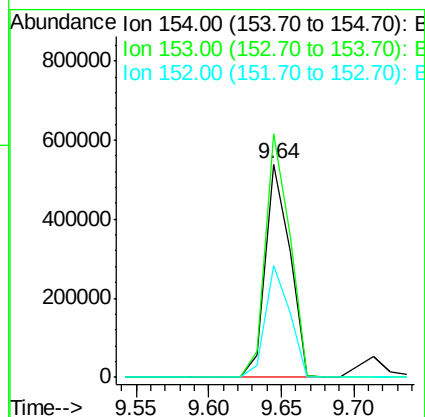
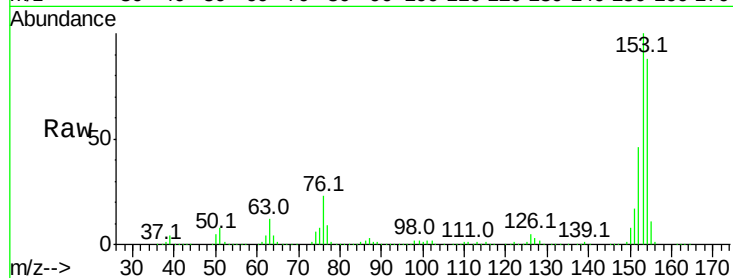
ClientSampleId :

RAV-GT-104MSD

Tot Ion:	154	Resp:	633292
Ion Ratio	Lower	Upper	
154	100		
153	114.2	89.8	134.6
152	52.2	43.4	65.0

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#52

3-Nitroaniline

Concen: 40.42 ng

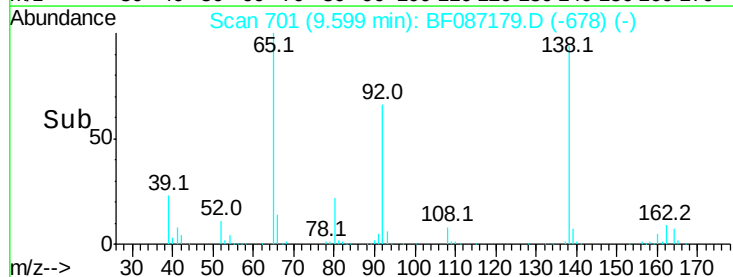
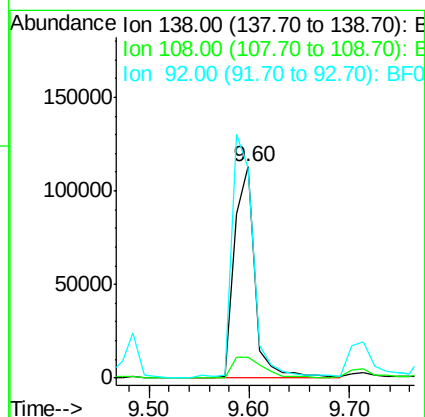
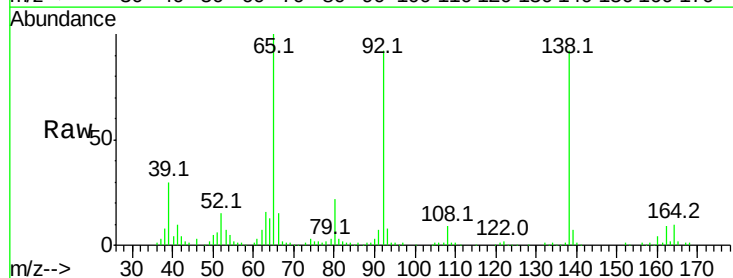
RT: 9.60 min Scan# 701

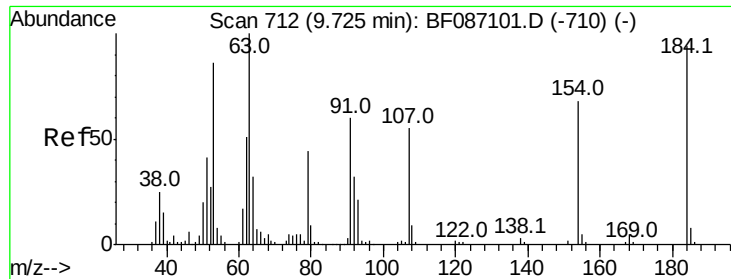
Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Tgt Ion:	138	Resp:	160207
Ion Ratio	Lower	Upper	
138	100		
108	9.8	7.8	11.6
92	99.5	87.8	131.8





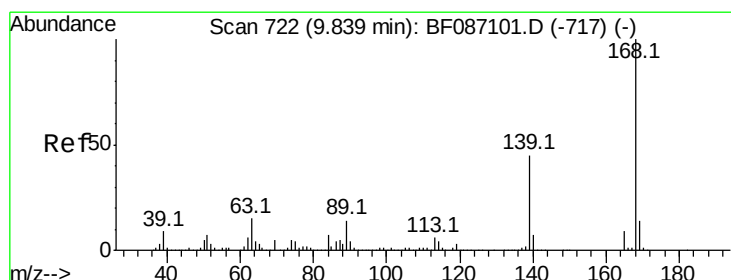
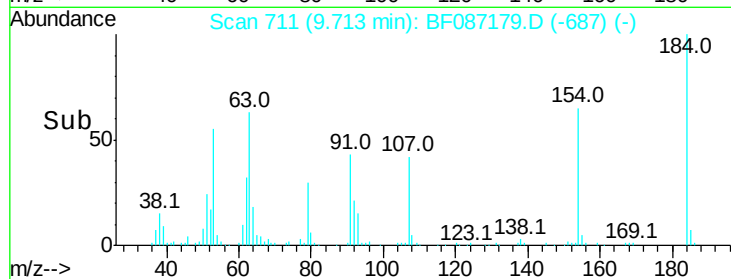
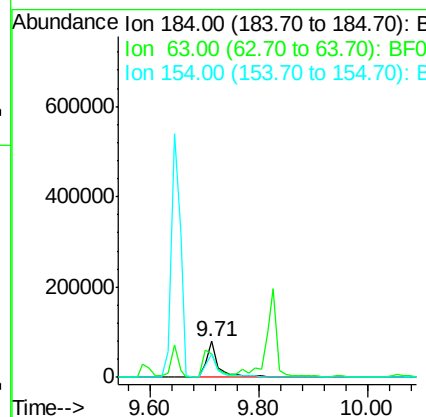
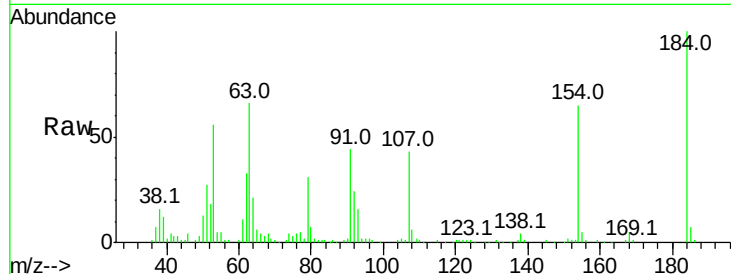
#53
 2,4-Dinitrophenol
 Concen: 61.16 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.02 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	125820		
63	66.0		55.8	83.8
154	65.0		62.4	93.6

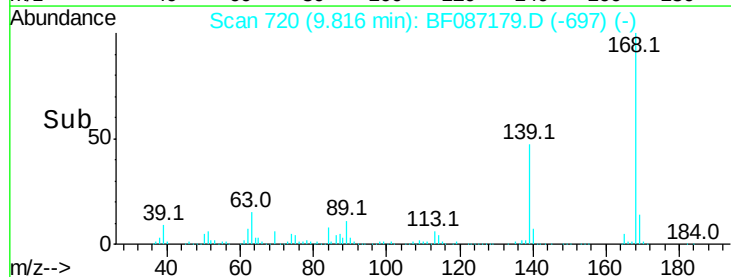
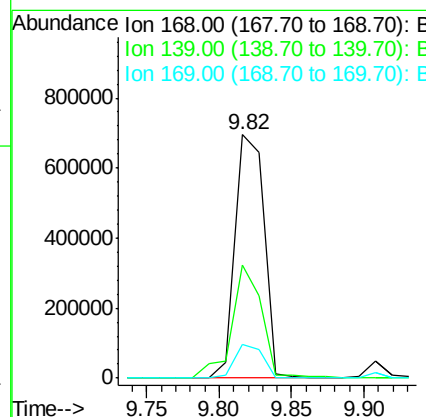
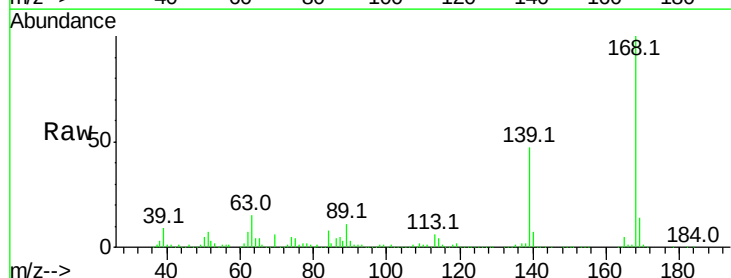
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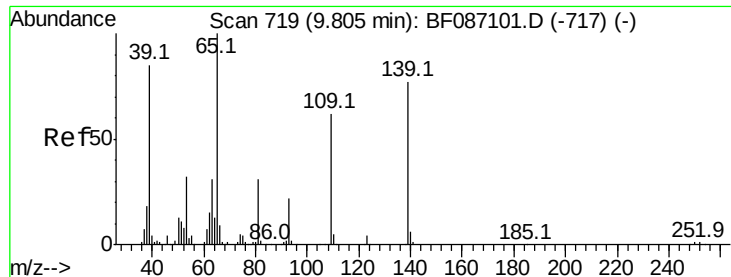
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#54
 Dibenzofuran
 Concen: 55.48 ng
 RT: 9.82 min Scan# 720
 Delta R.T. -0.03 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	963032		
139	46.7		31.4	47.0
169	13.9		10.7	16.1





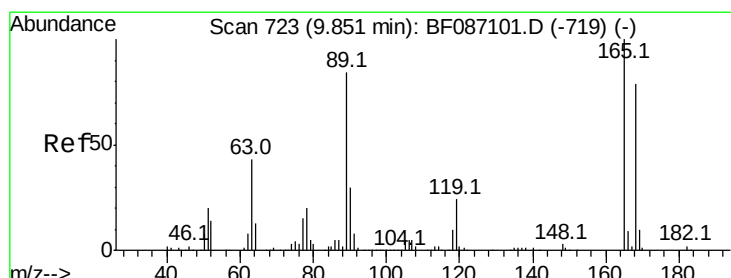
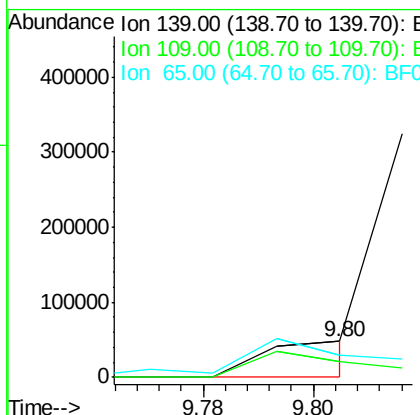
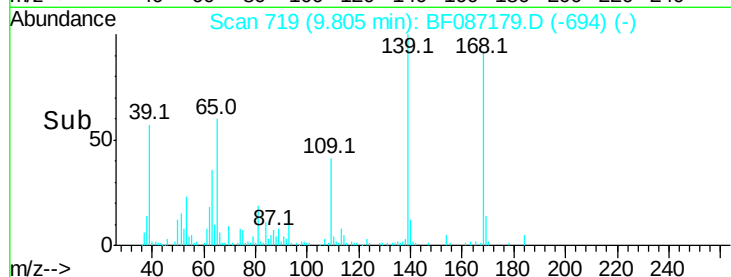
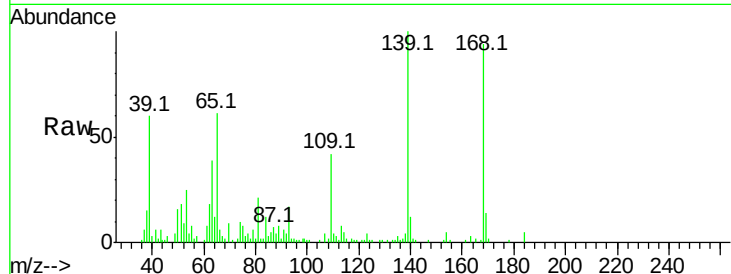
#55
4-Nitrophenol
Concen: 34.46 ng/mL
RT: 9.80 min Scan# 719
Delta R.T. -0.01 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	42.4	36.9	76.9	
65	61.1	64.0	104.0	

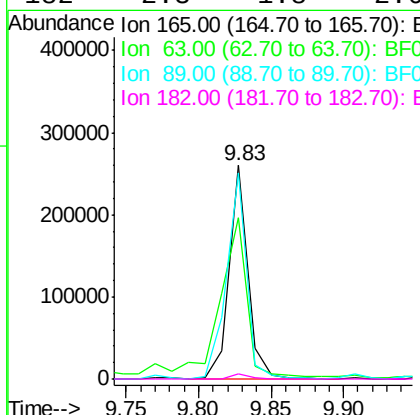
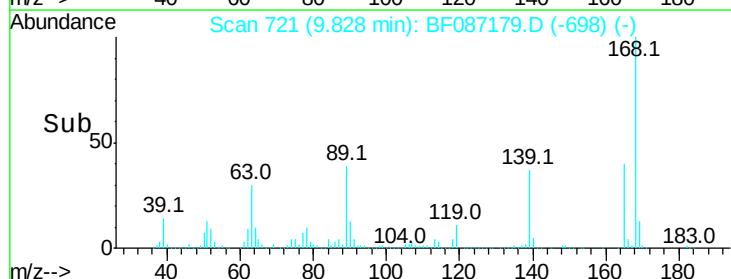
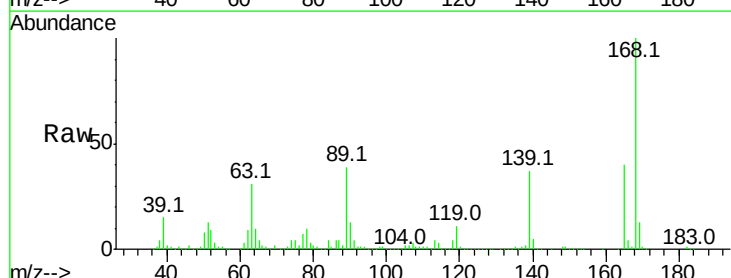
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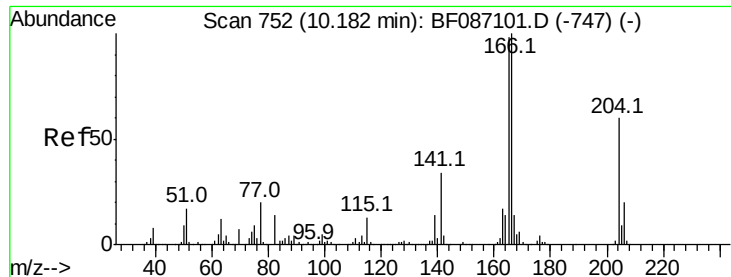
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#56
2,4-Dinitrotoluene
Concen: 50.11 ng/mL
RT: 9.83 min Scan# 721
Delta R.T. -0.03 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	75.6	44.3	66.5	
89	96.6	70.0	105.0	
182	2.3	1.8	2.6	





#57

Fluorene

Concen: 47.78 ng

RT: 10.16 min Scan# 750

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

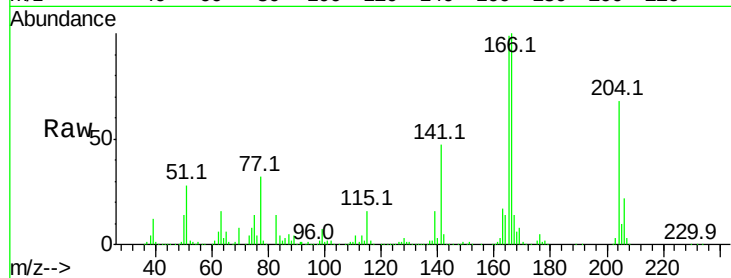
ClientSampleId :

RAV-GT-104MSD

Tot Ion:	166	Resp:	666314
Ion Ratio	Lower	Upper	
166	100		
165	99.1	79.0	118.6
167	14.1	10.6	15.8

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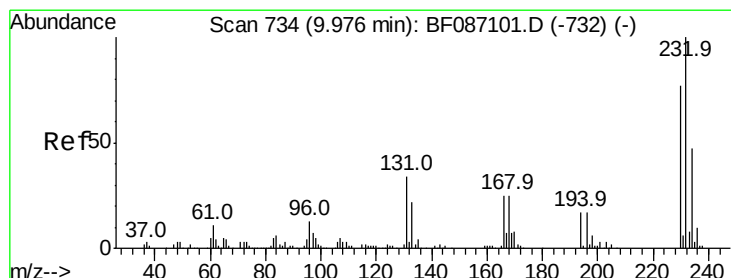
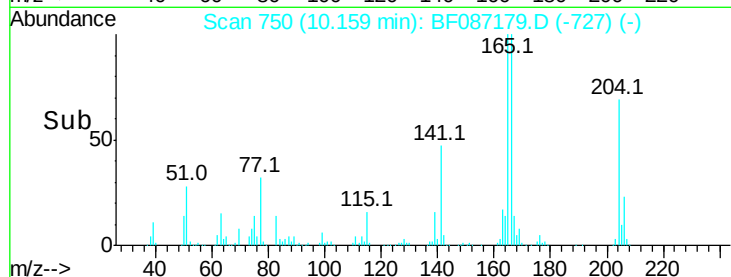
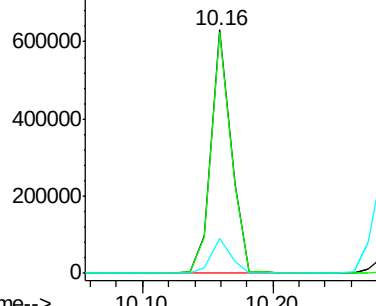


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 56.70 ng

RT: 9.95 min Scan# 732

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Tgt Ion:	232	Resp:	192060
Ion Ratio	Lower	Upper	
232	100		
131	50.9	41.9	62.9
130	3.1	2.2	3.4
166	30.6	26.8	40.2

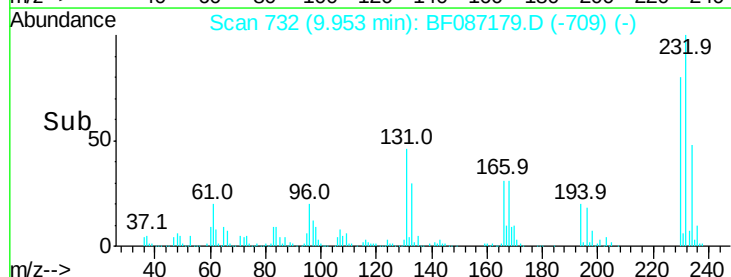
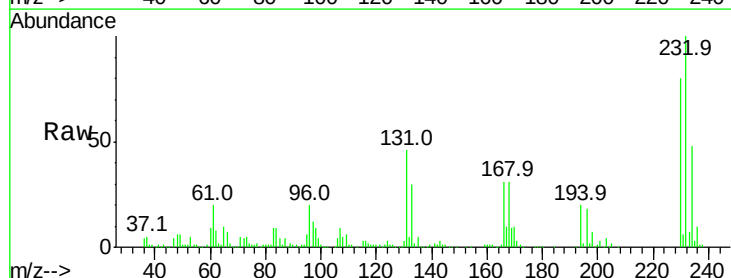
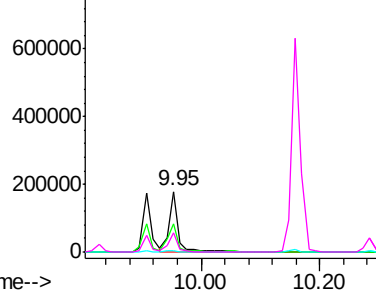
Abundance

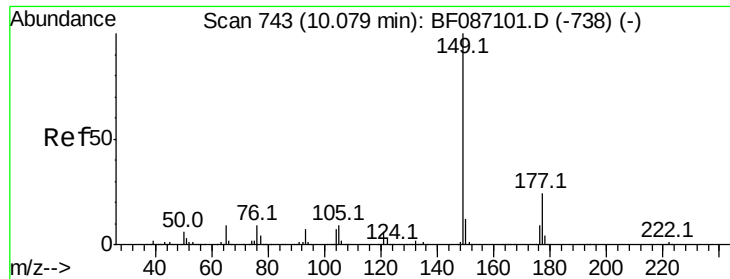
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





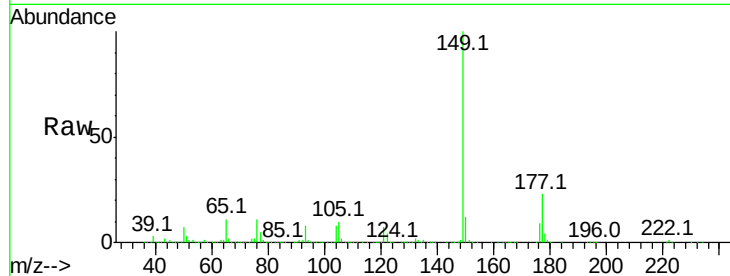
#59
Diethylphthalate
Concen: 58.55 ng
RT: 10.06 min Scan# 741
Delta R.T. -0.03 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MSD

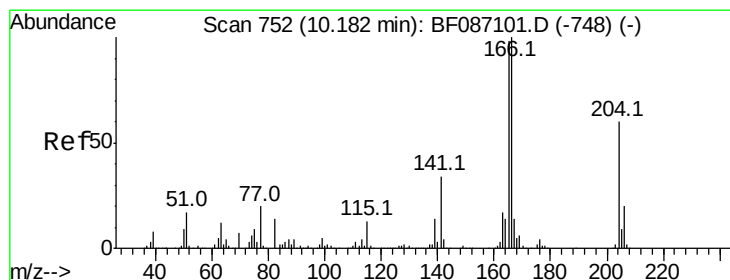
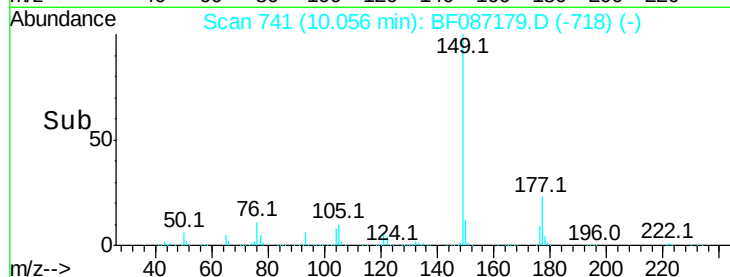
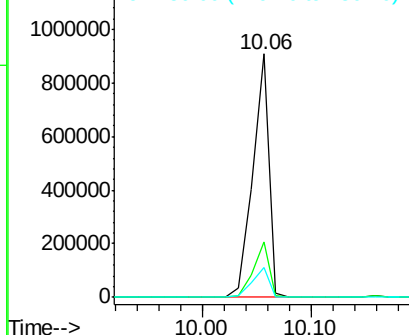
Tot Ion	Ratio	Resp	Lower	Upper
149	100	942572		
177	23.0	16.6	24.8	
150	12.5	10.0	15.0	

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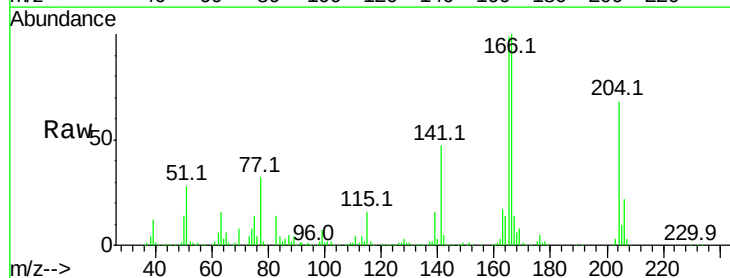


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

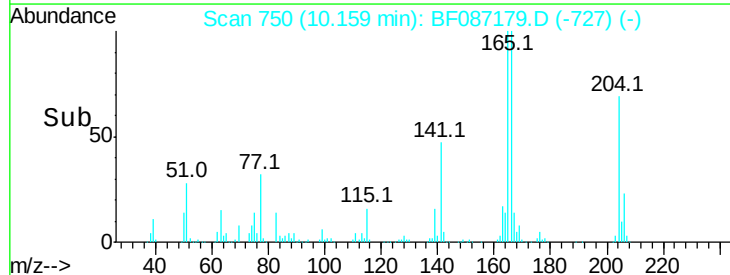
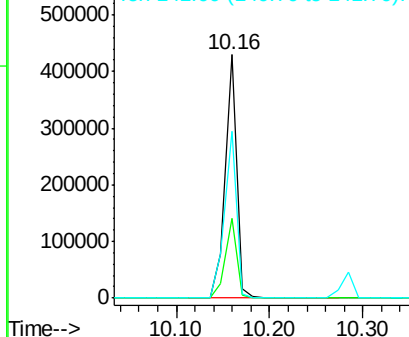


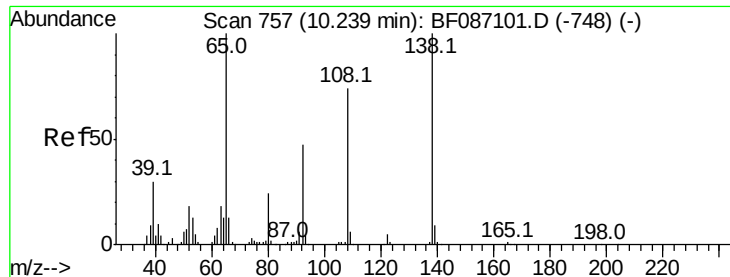
#60
4-Chlorophenyl-phenylether
Concen: 55.03 ng
RT: 10.16 min Scan# 750
Delta R.T. -0.03 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	363812		
206	33.0	25.4	38.0	
141	68.4	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





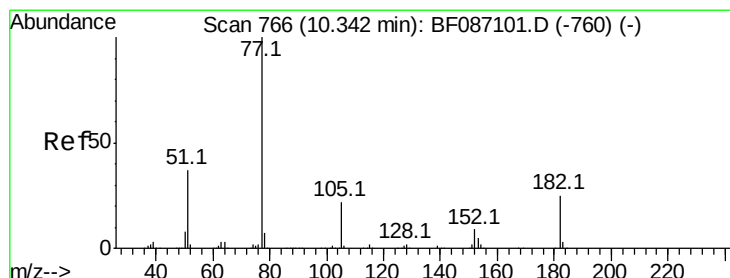
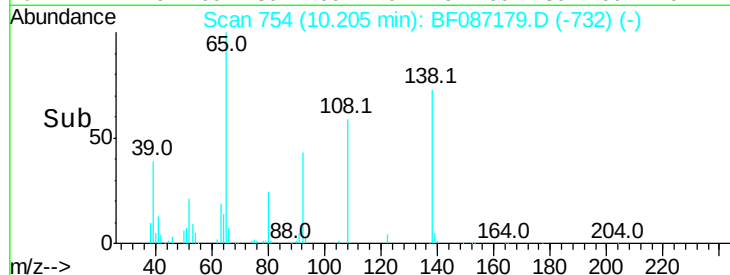
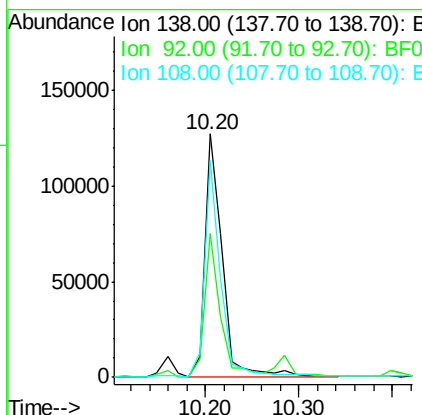
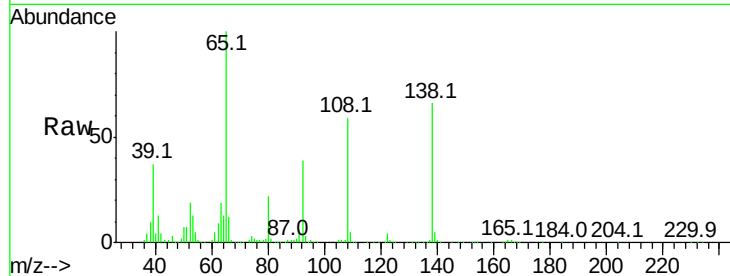
#61
4-Nitroaniline
Concen: 41.98 ng
RT: 10.20 min Scan# 754
Delta R.T. -0.05 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	58.9	24.7	64.7
108	88.8	37.4	77.4

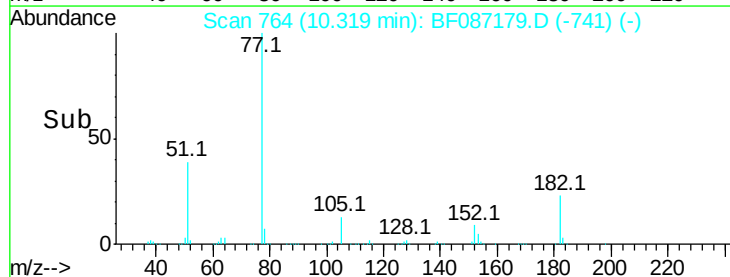
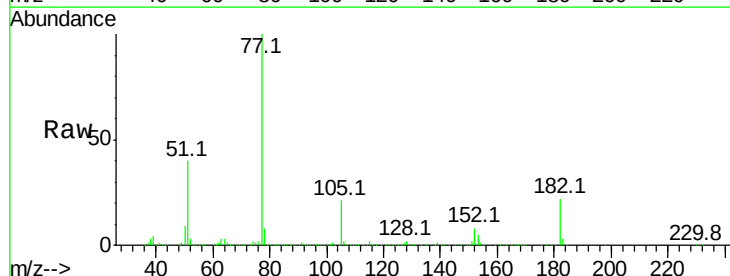
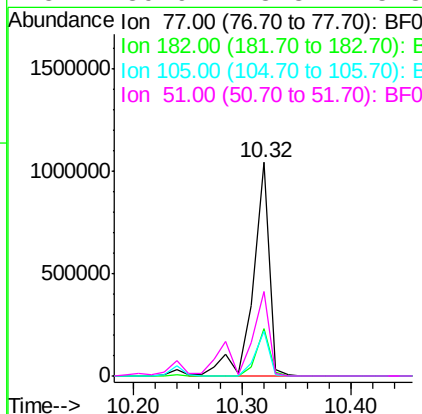
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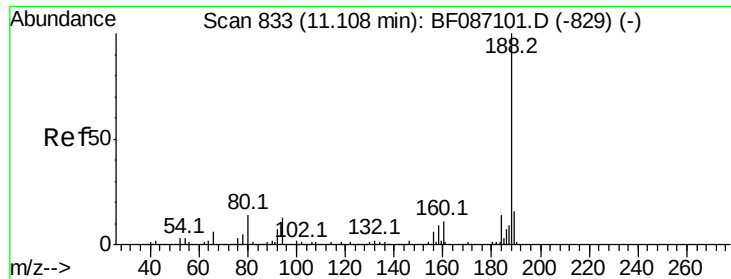
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#62
Azobenzene
Concen: 58.32 ng
RT: 10.32 min Scan# 764
Delta R.T. -0.03 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Tgt Ion	Ratio	Lower	Upper
77	100		
182	22.0	0.0	38.8
105	21.3	3.2	43.2
51	39.9	8.8	48.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.08 min Scan# 831

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

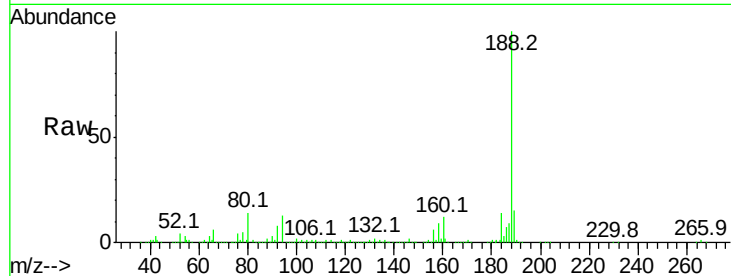
ClientSampleId :

RAV-GT-104MSD

Tot Ion:188	Resp:	372031
Ion Ratio	Lower	Upper
188 100		
94 13.3	6.8	10.2#
80 14.5	7.1	10.7#

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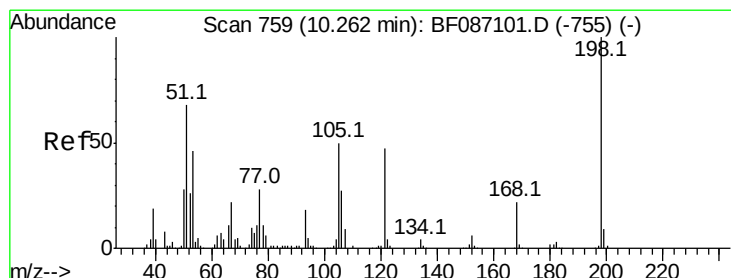
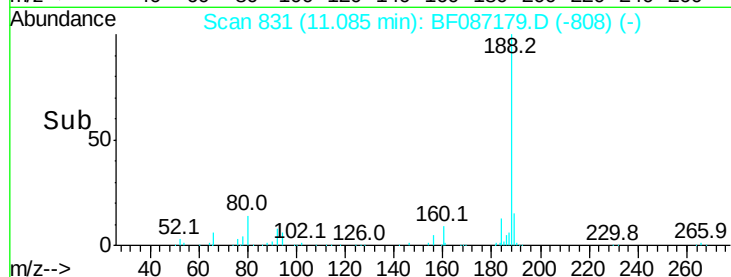
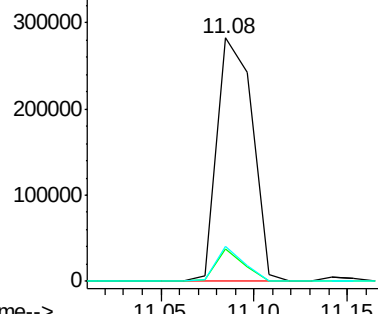
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 40.45 ng

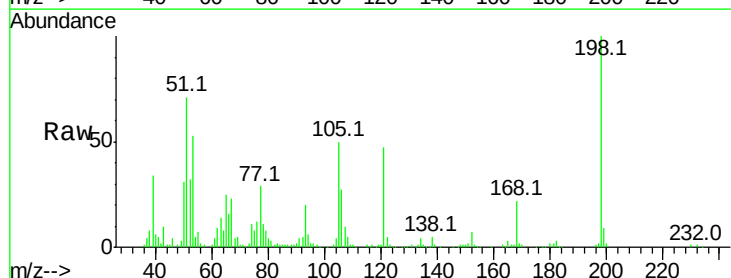
RT: 10.24 min Scan# 757

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

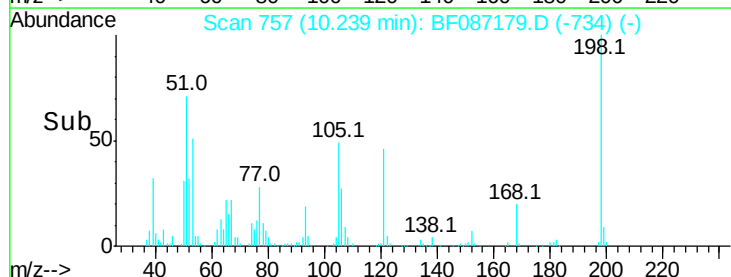
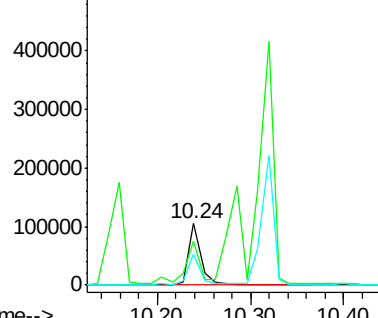
Tgt Ion:198	Resp:	99108
Ion Ratio	Lower	Upper
198 100		
51 71.4	20.5	60.5#
105 49.8	24.5	64.5

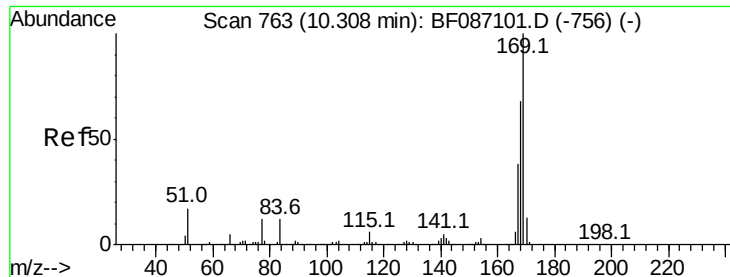


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 60.84 ng

RT: 10.28 min Scan# 761

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

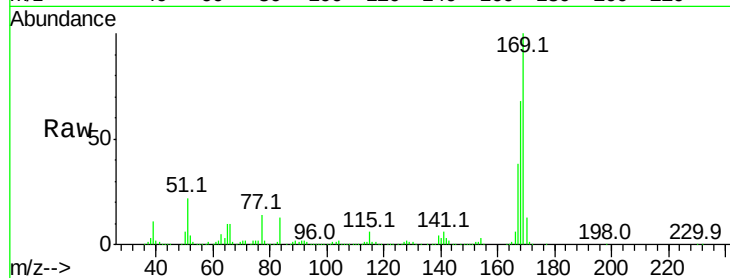
ClientSampleId :

RAV-GT-104MSD

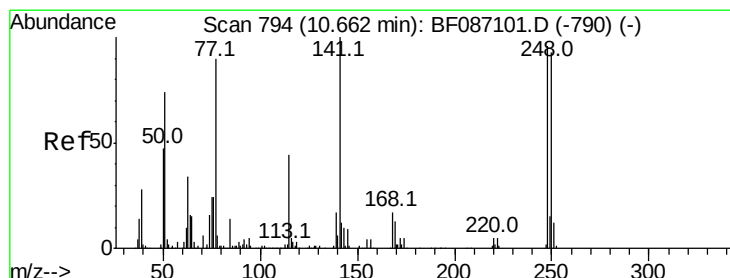
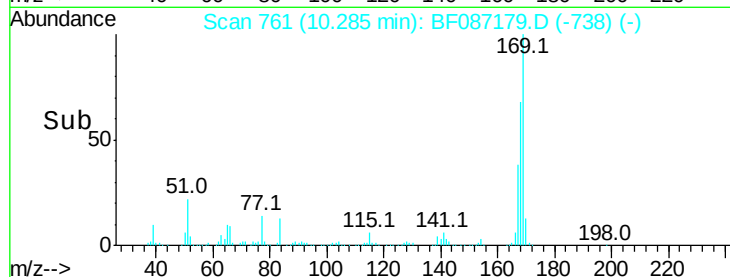
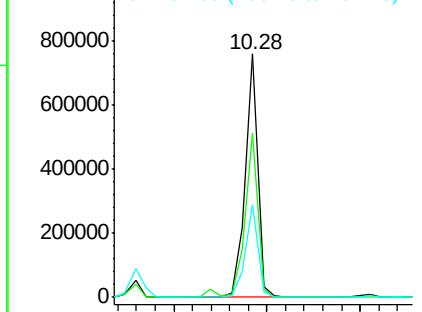
Tot Ion:	169	Resp:	712271
Ion Ratio	Lower	Upper	
169	100		
168	67.7	53.8	80.6
167	37.9	29.5	44.3

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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: 54.50 ng

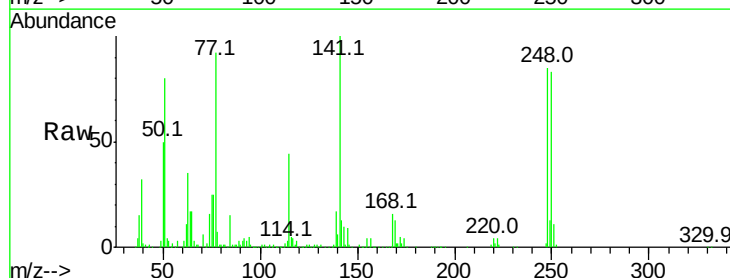
RT: 10.64 min Scan# 792

Delta R.T. -0.03 min

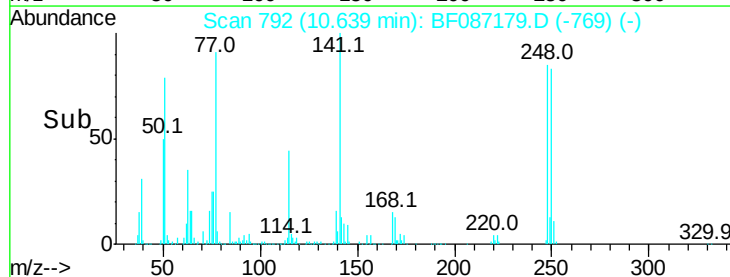
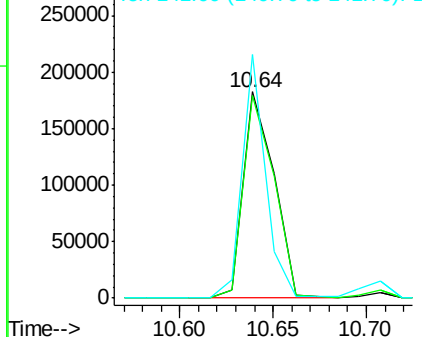
Lab File: BF087179.D

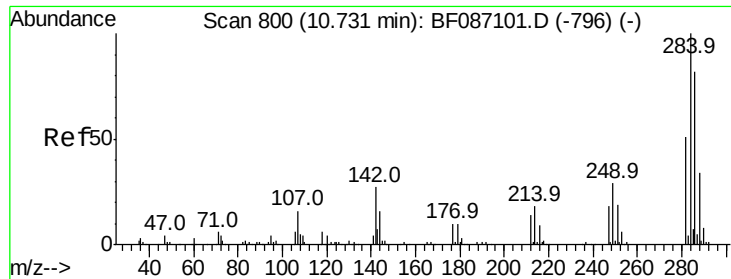
Acq: 19 May 2016 9:09

Tgt Ion:	248	Resp:	208503
Ion Ratio	Lower	Upper	
248	100		
250	98.1	78.6	117.8
141	118.2	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: 57.00 ng

RT: 10.71 min Scan# 798

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

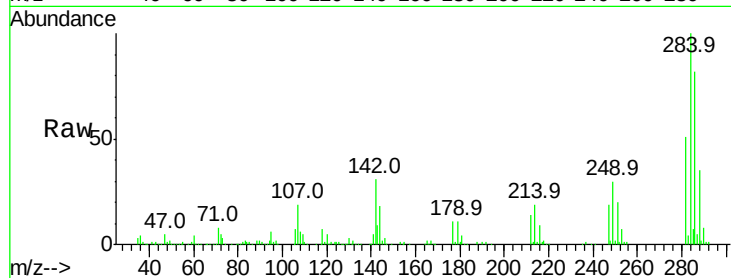
ClientSampleId :

RAV-GT-104MSD

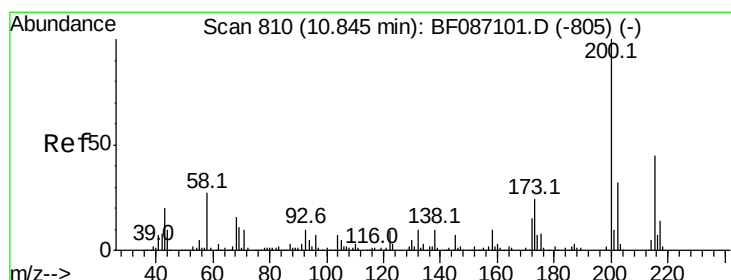
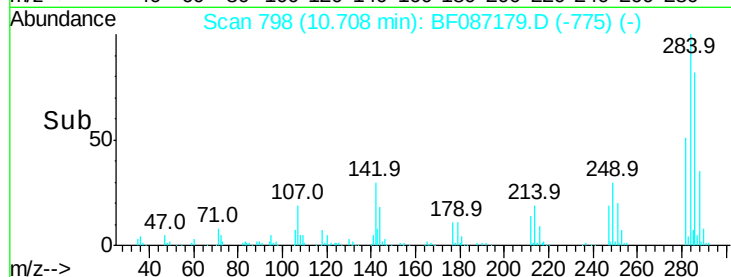
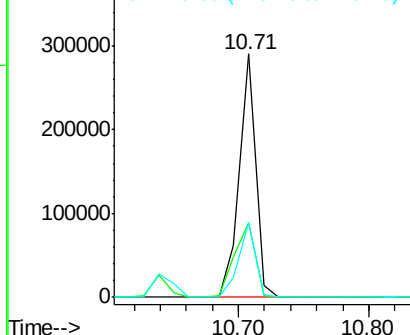
Tot Ion:	284	Resp:	252841
Ion Ratio	Lower	Upper	
284	100		
142	30.5	16.7	25.1#
249	30.5	21.3	31.9

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



#68

Atrazine

Concen: 57.68 ng

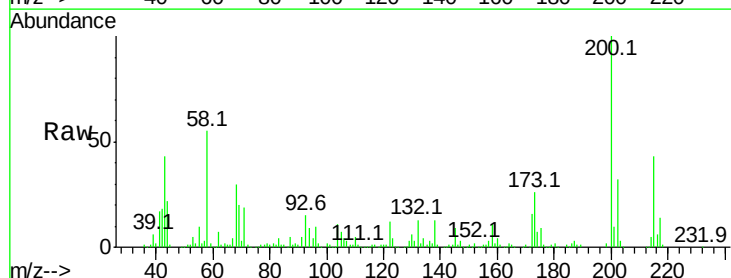
RT: 10.82 min Scan# 808

Delta R.T. -0.03 min

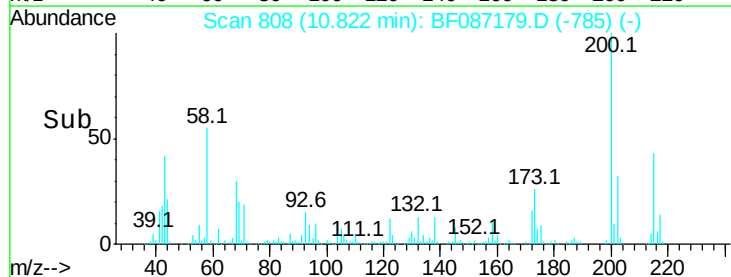
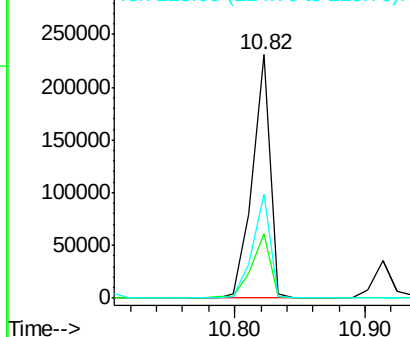
Lab File: BF087179.D

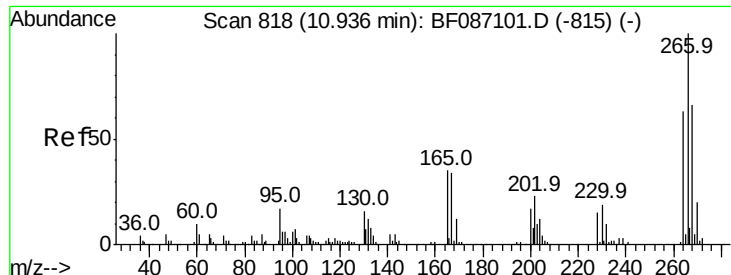
Acq: 19 May 2016 9:09

Tgt Ion:	200	Resp:	220291
Ion Ratio	Lower	Upper	
200	100		
173	26.5	8.5	48.5
215	42.6	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





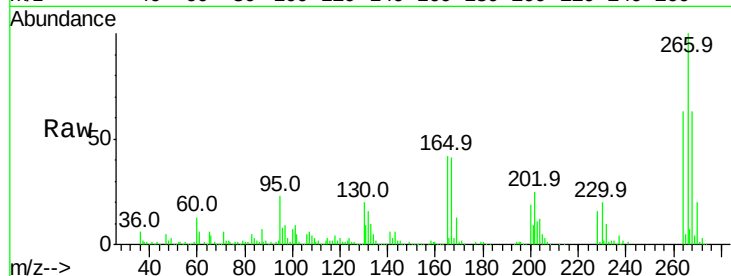
#69
 Pentachlorophenol
 Concen: 124.47 ng
 RT: 10.91 min Scan# 816
 Delta R.T. -0.03 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MSD

Tot Ion	Ratio	Resp	Lower	Upper
266	100	207400		
268	63.3	51.5	77.3	
264	63.4	52.9	79.3	

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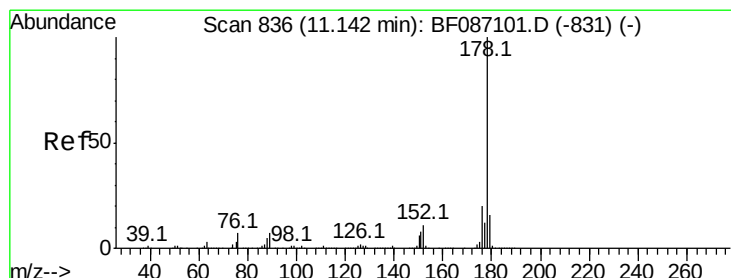
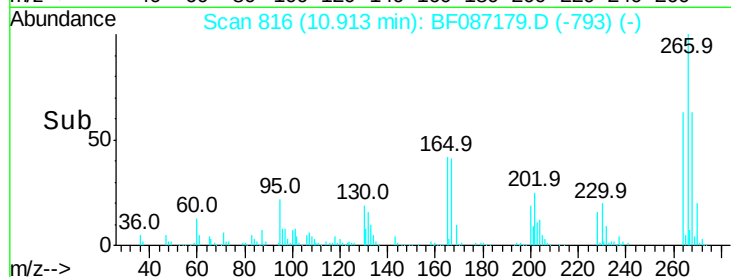
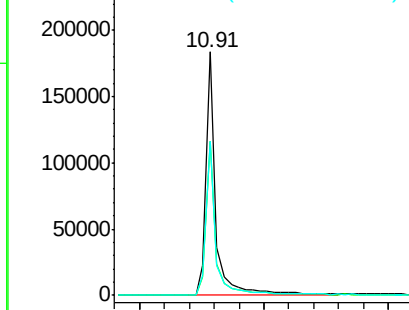


Abundance

Ion 265.70 (265.40 to 266.40): E

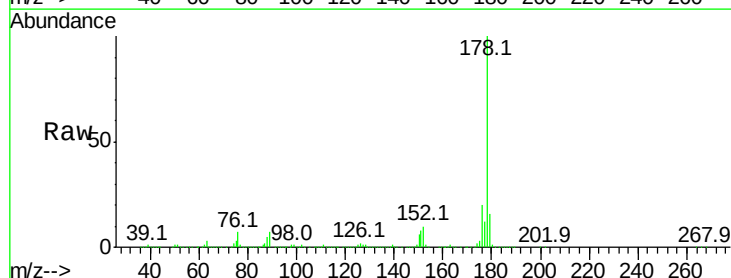
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70
 Phenanthrene
 Concen: 55.67 ng
 RT: 11.12 min Scan# 834
 Delta R.T. -0.03 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1123260		
176	20.0	16.0	24.0	
179	15.6	12.6	18.8	

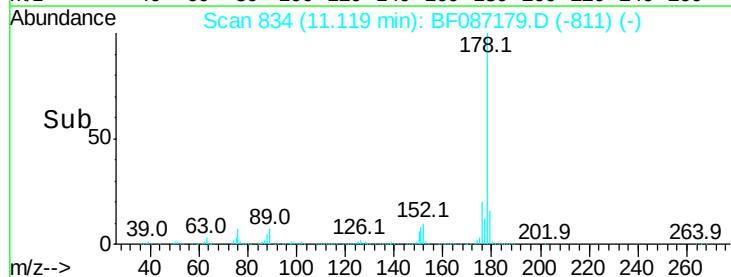
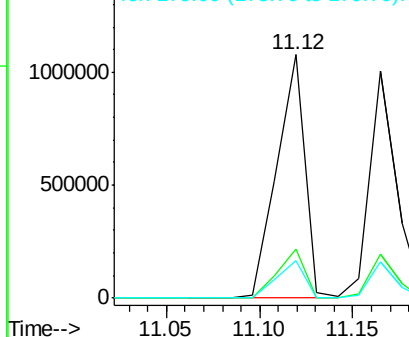


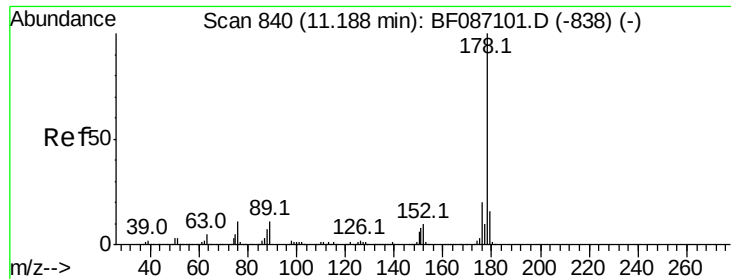
Abundance

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: 49.28 ng

RT: 11.16 min Scan# 838

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MSD

Tot Ion:178 Resp: 1005655

Ion Ratio Lower Upper

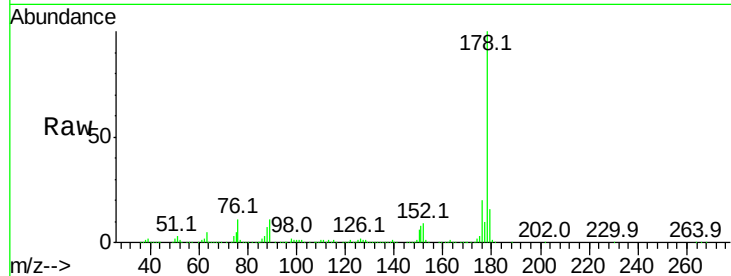
178 100

176 19.6 15.6 23.4

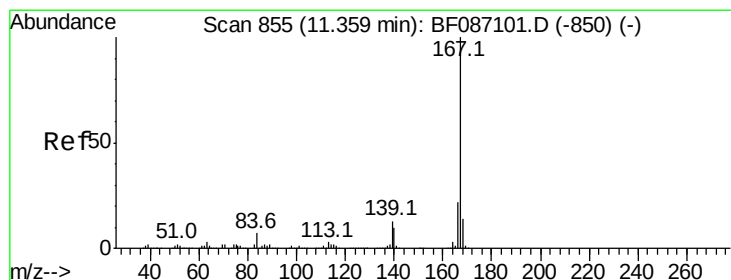
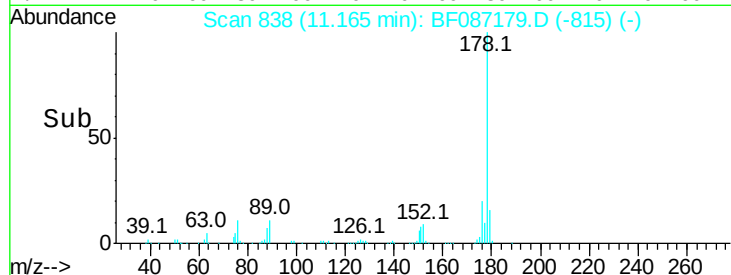
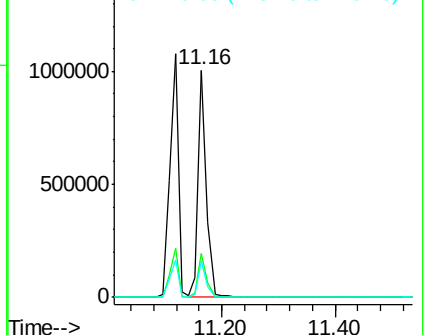
179 16.0 12.7 19.1

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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: 54.90 ng

RT: 11.34 min Scan# 853

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

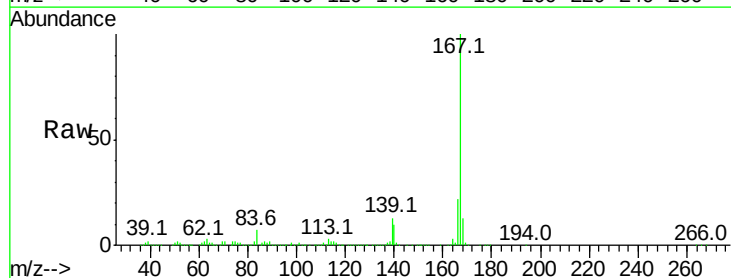
Tgt Ion:167 Resp: 1023488

Ion Ratio Lower Upper

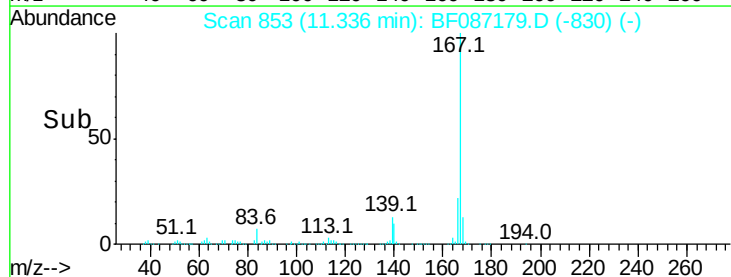
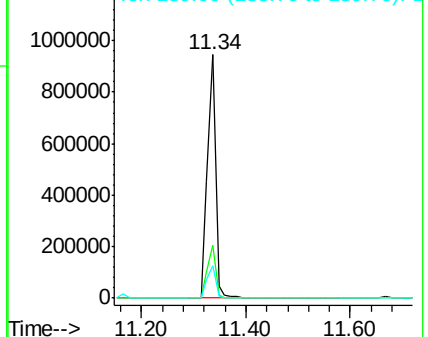
167 100

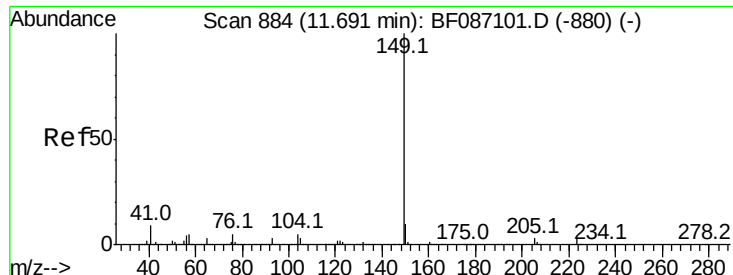
166 21.6 17.7 26.5

139 13.3 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: 63.18 ng

RT: 11.67 min Scan# 882

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT-104MSD

Tot Ion:149 Resp: 1352882

Ion Ratio Lower Upper

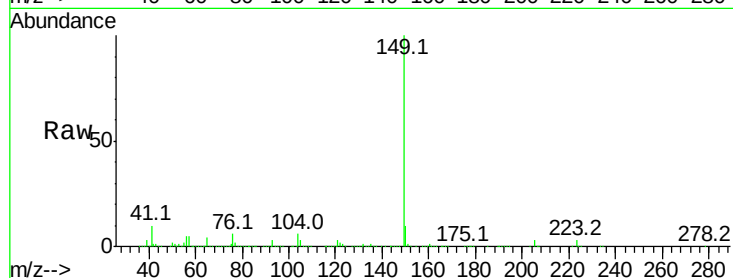
149 100

150 9.5 7.6 11.4

104 5.6 3.8 5.6

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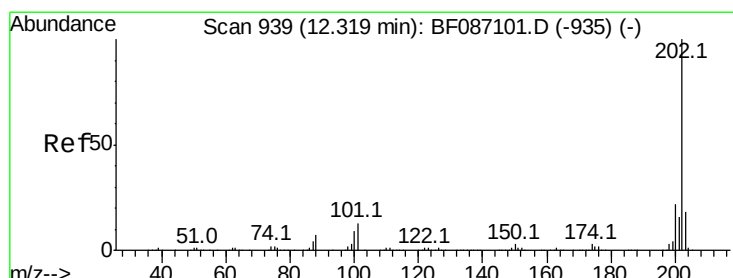
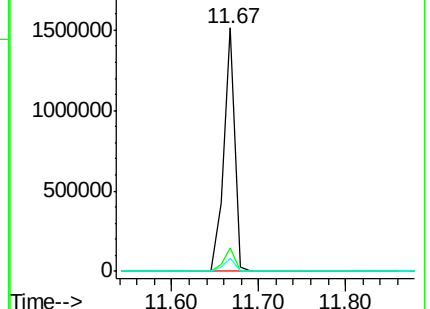
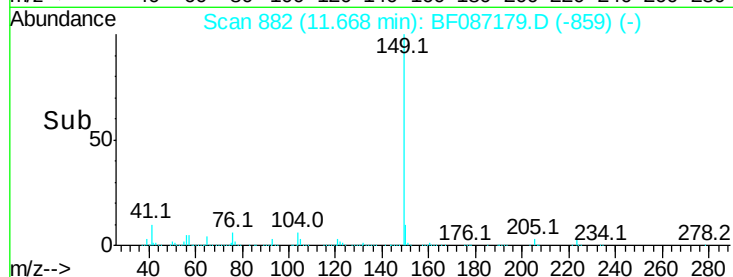
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 49.55 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

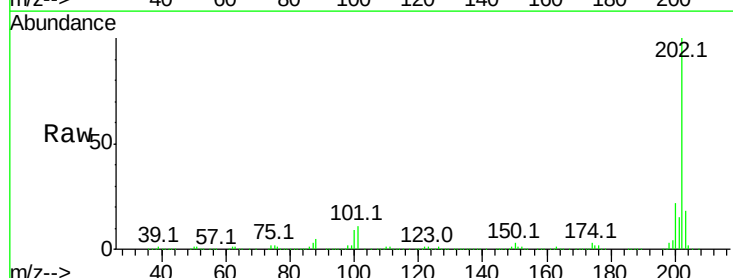
Tgt Ion:202 Resp: 1001693

Ion Ratio Lower Upper

202 100

101 11.2 0.0 35.4

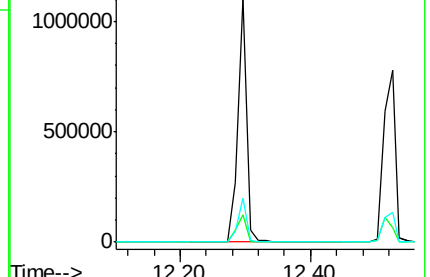
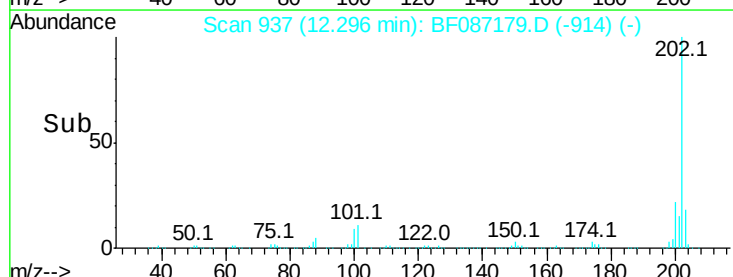
203 18.0 0.0 38.1

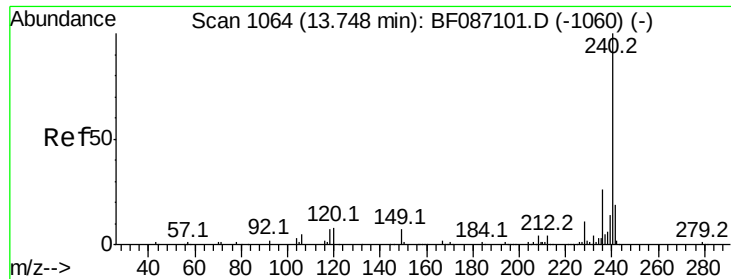


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





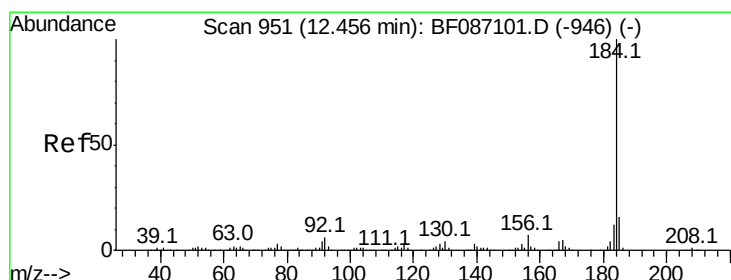
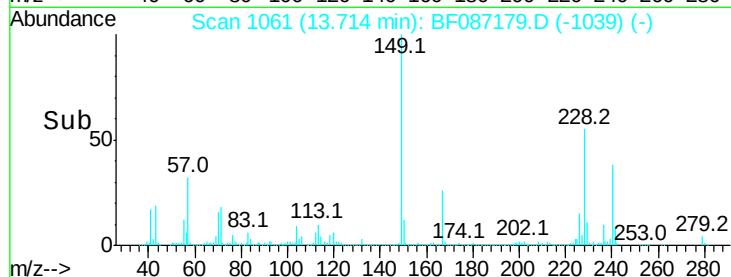
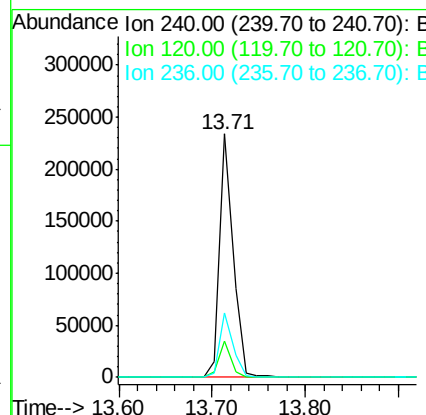
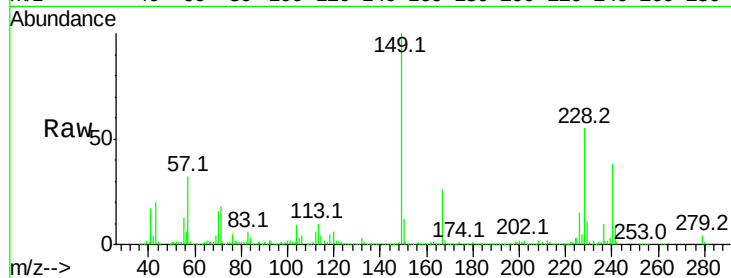
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.71 min Scan# 1061
Delta R.T. -0.05 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MSD

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	14.7	11.2	16.8	
236	26.2	21.2	31.8	

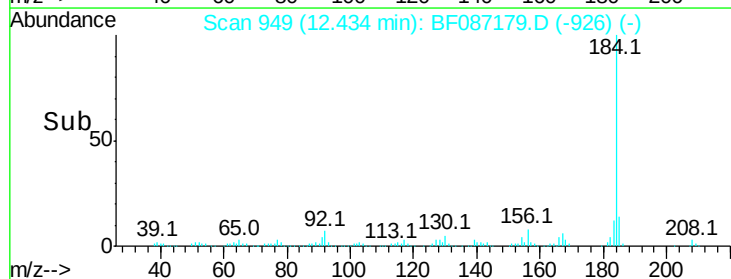
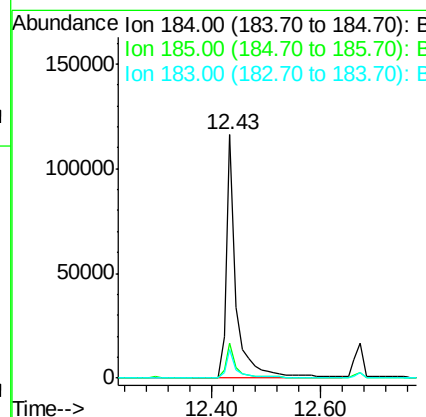
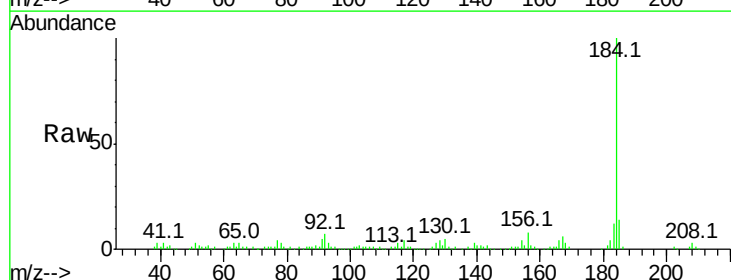
Manual Integrations
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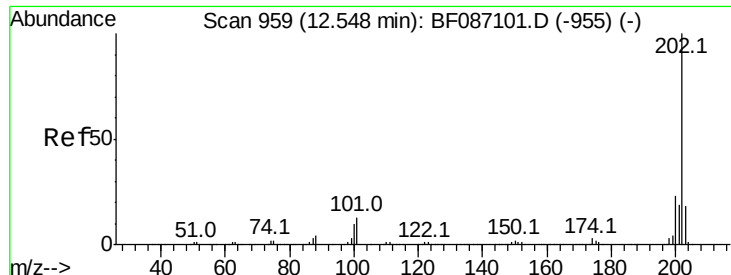
sohil
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#76
Benzidine
Concen: 19.91 ng
RT: 12.43 min Scan# 949
Delta R.T. -0.03 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Tgt Ion	Ratio	Resp	Lower	Upper
184	100			
185	14.2	13.6	20.4	
183	11.7	9.8	14.6	





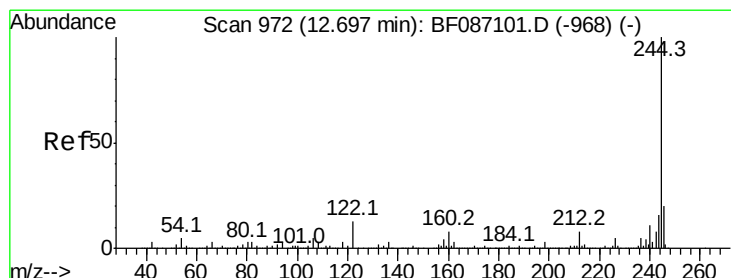
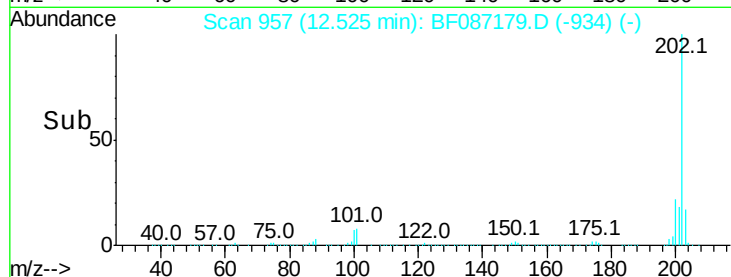
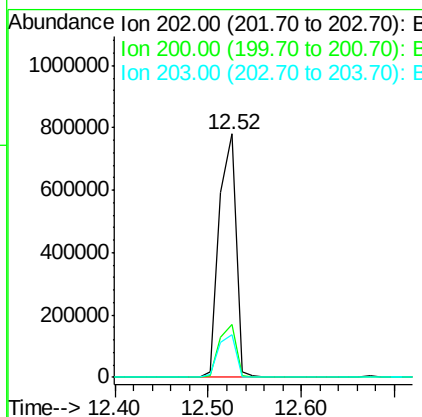
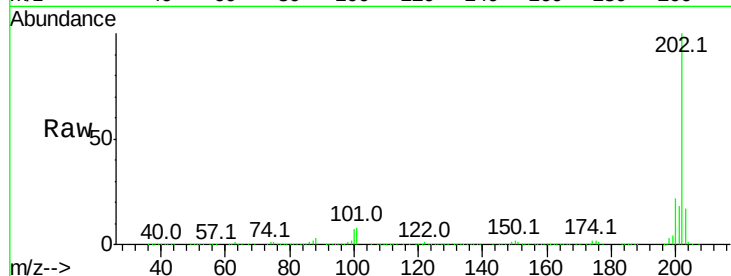
#77
Pvrene
Concen: 57.22 ng
RT: 12.52 min Scan# 957
Delta R.T. -0.03 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	975002		
200	21.8		17.7	26.5
203	17.5		14.2	21.4

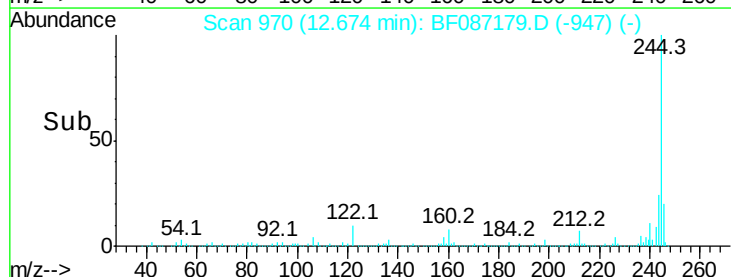
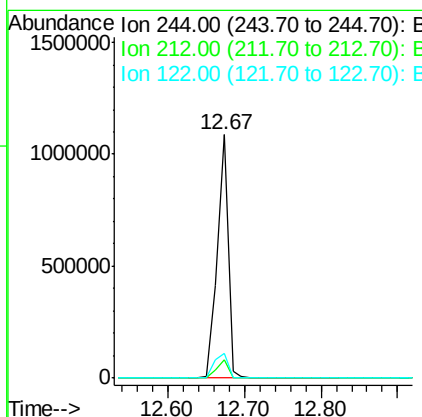
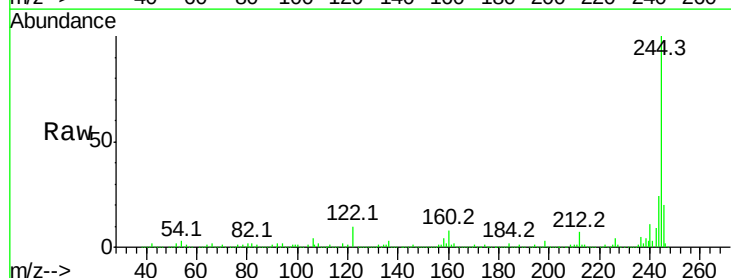
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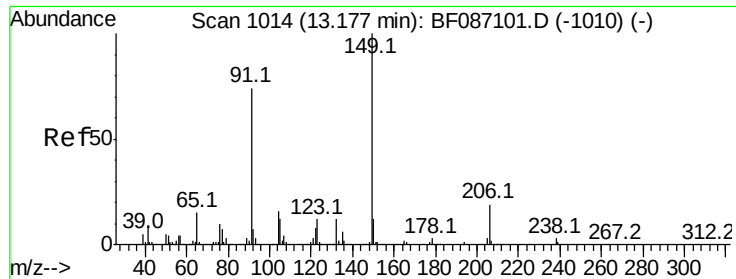
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#78
Terphenyl-d14
Concen: 102.64 ng
RT: 12.67 min Scan# 970
Delta R.T. -0.03 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1070099		
212	7.5		6.2	9.2
122	10.1		12.0	18.0#





#79

Butylbenzylphthalate

Concen: 66.47 ng

RT: 13.15 min Scan# 1012

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

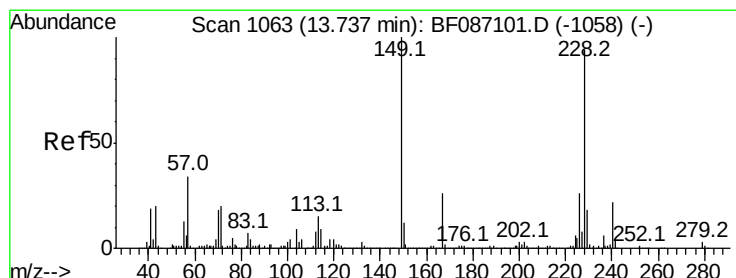
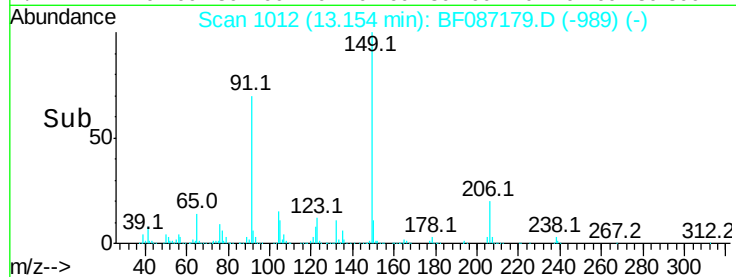
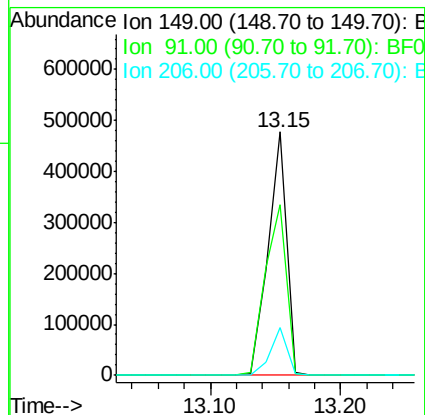
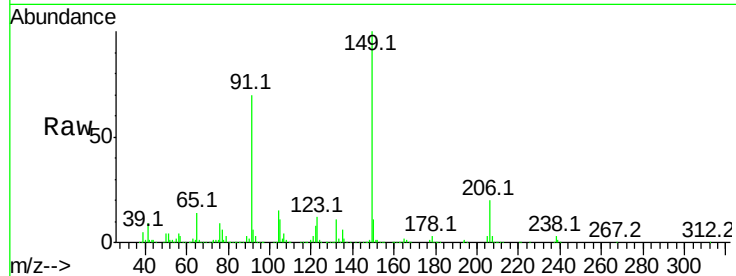
ClientSampleId :

RAV-GT-104MSD

Tot Ion:	149	Resp:	478075
Ion Ratio	Lower	Upper	
149	100		
91	70.4	48.0	72.0
206	19.6	15.8	23.6

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 54.36 ng

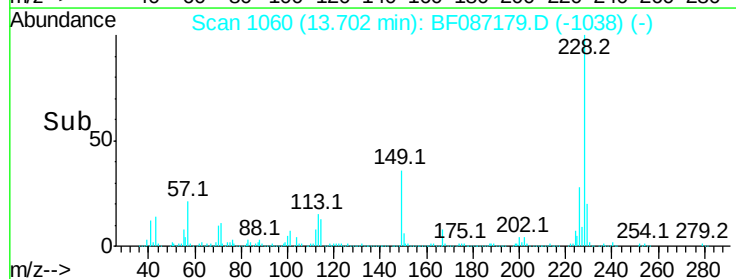
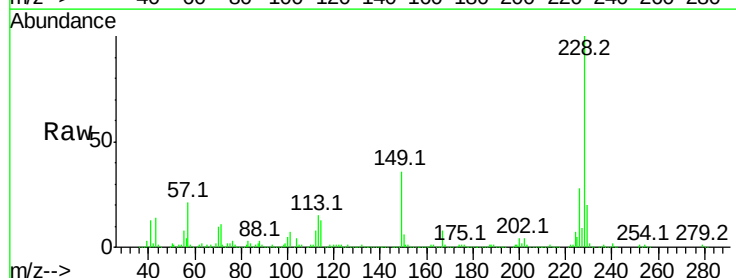
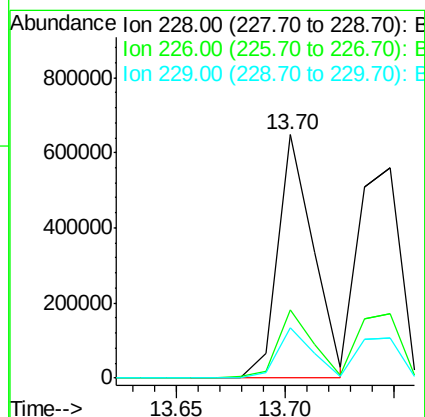
RT: 13.70 min Scan# 1060

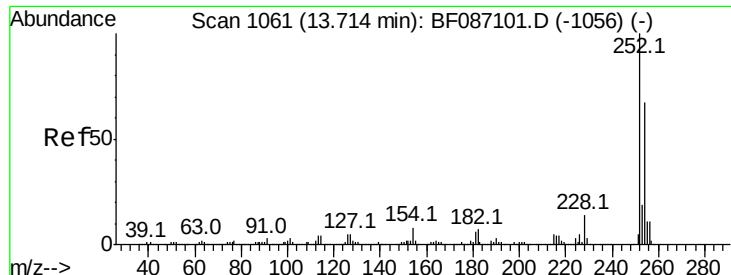
Delta R.T. -0.05 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Tgt Ion:	228	Resp:	741334
Ion Ratio	Lower	Upper	
228	100		
226	28.2	22.5	33.7
229	20.5	16.6	25.0





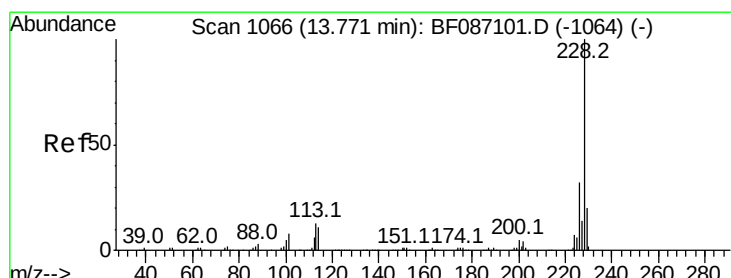
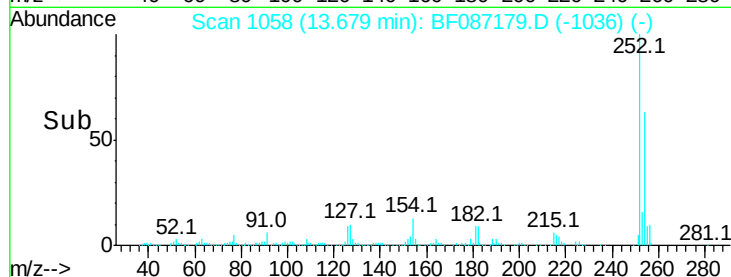
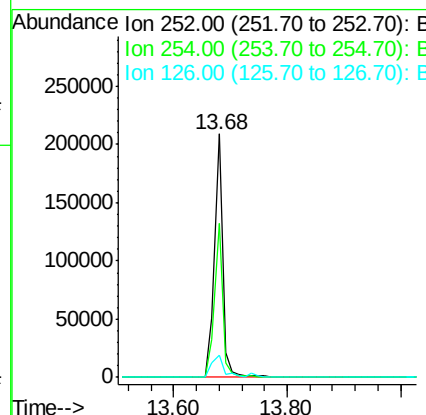
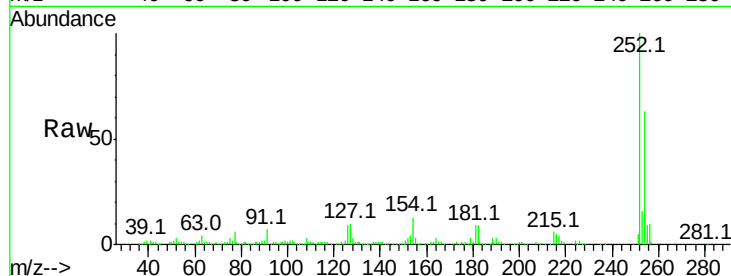
#81
 3,3'-Dichlorobenzidine
 Concen: 23.69 ng
 RT: 13.68 min Scan# 1058
 Delta R.T. -0.05 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	63.4	50.7	76.1
126	9.2	12.7	19.1

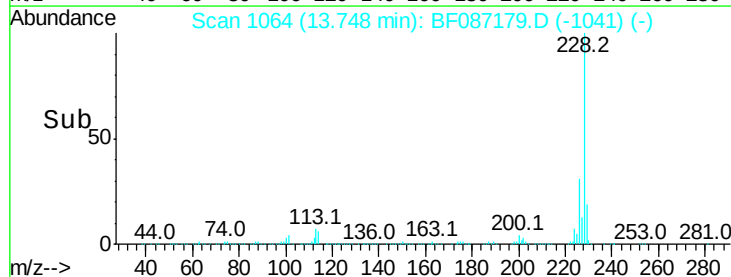
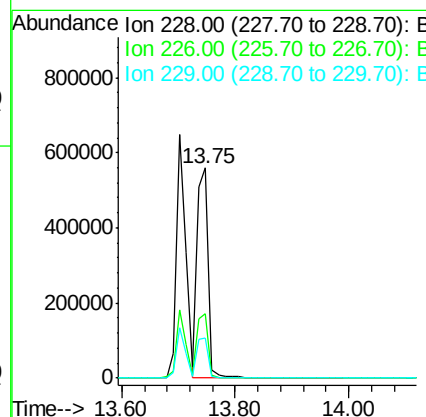
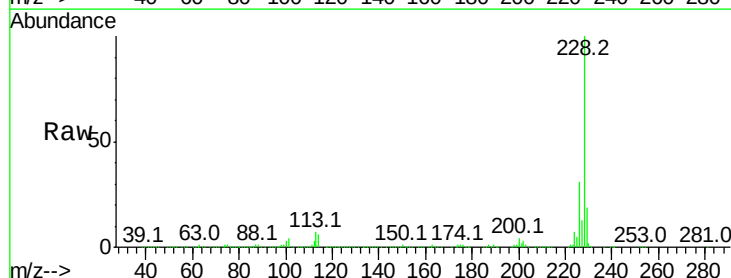
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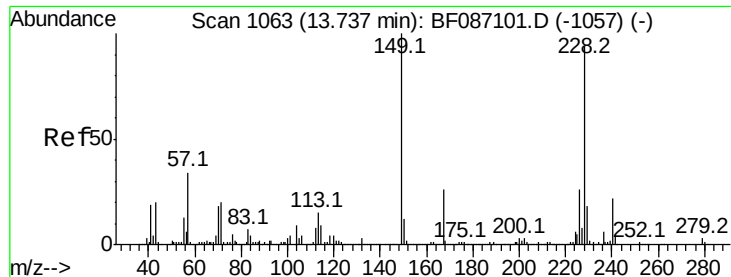
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#82
 Chrysene
 Concen: 58.15 ng
 RT: 13.75 min Scan# 1064
 Delta R.T. -0.03 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.6	24.4	36.6
229	19.1	15.8	23.8





#83

Bis(2-ethylhexyl)phthalate

Concen: 68.13 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

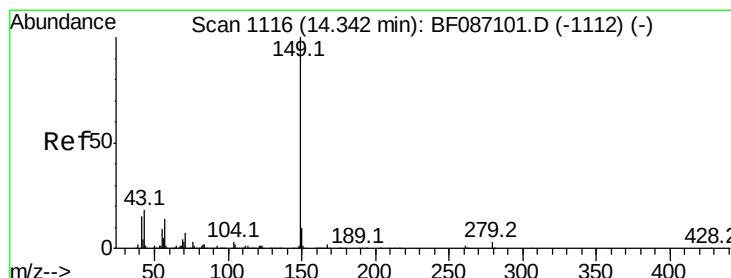
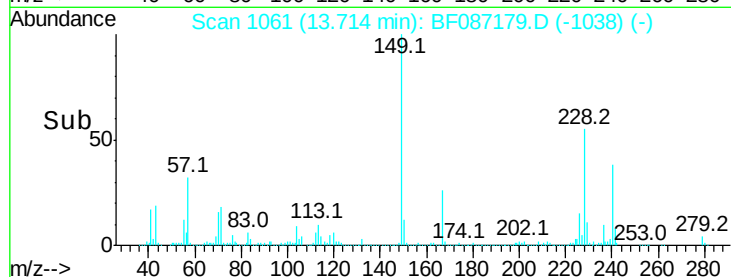
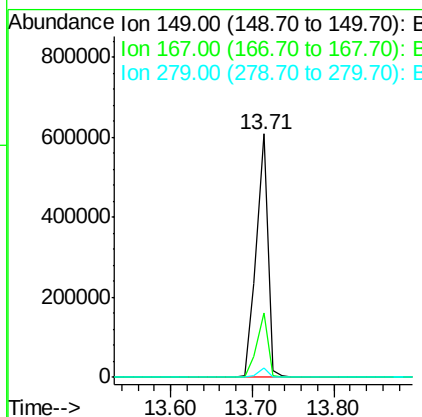
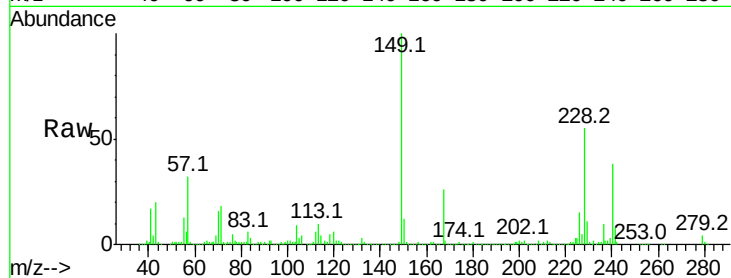
ClientSampleId :

RAV-GT-104MSD

Tot Ion:	149	Resp:	596405
Ion Ratio	Lower	Upper	
149	100		
167	26.2	21.8	32.6
279	3.6	2.6	4.0

Manual Integrations
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#84

Di-n-octyl phthalate

Concen: 67.69 ng

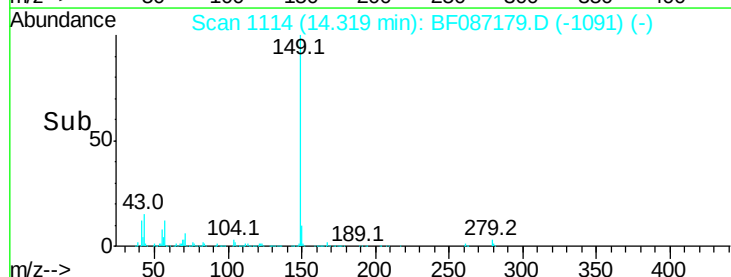
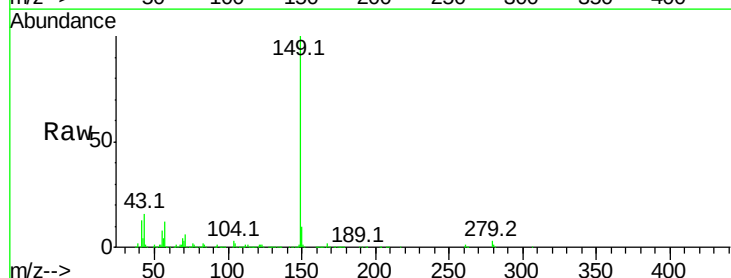
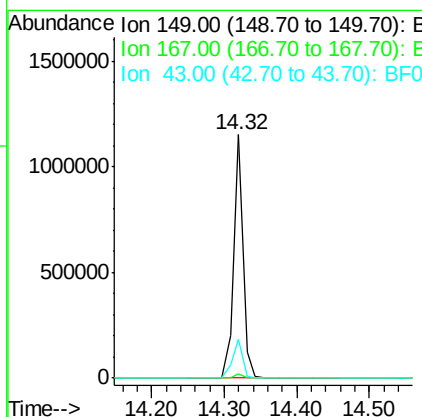
RT: 14.32 min Scan# 1114

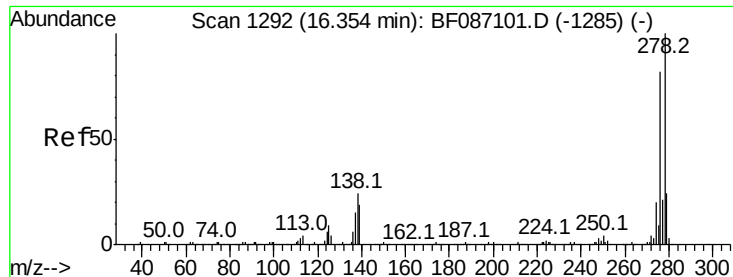
Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Tgt Ion:	149	Resp:	1020805
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.2	1.8
43	17.1	8.2	12.4#





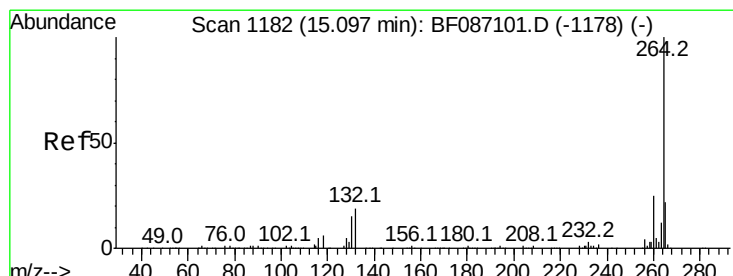
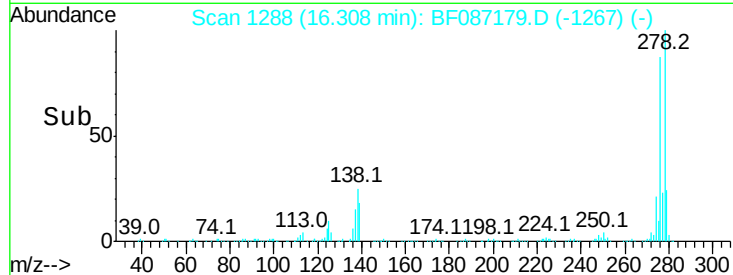
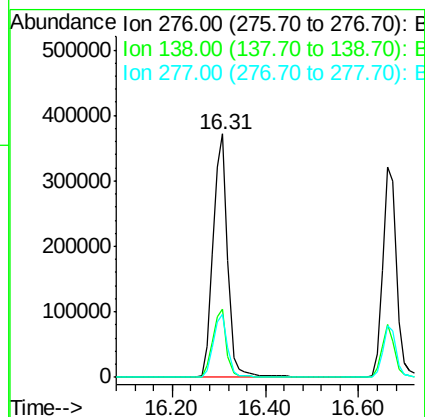
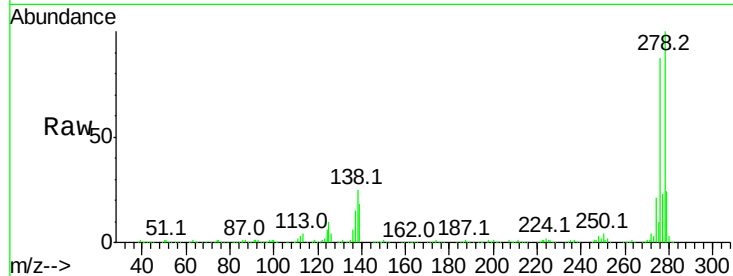
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 70.79 ng
 RT: 16.31 min Scan# 1288
 Delta R.T. -0.06 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MSD

Tot Ion:	276	Resp:	819837
Ion Ratio	Lower	Upper	
276	100		
138	27.1	25.6	38.4
277	25.6	20.5	30.7

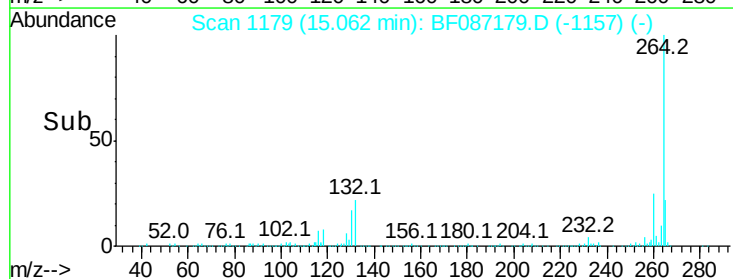
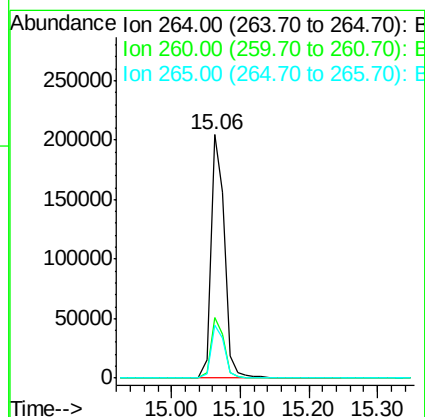
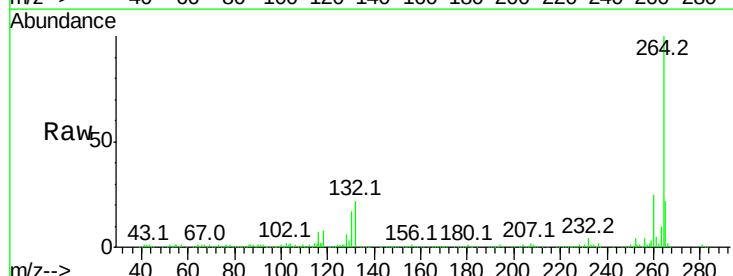
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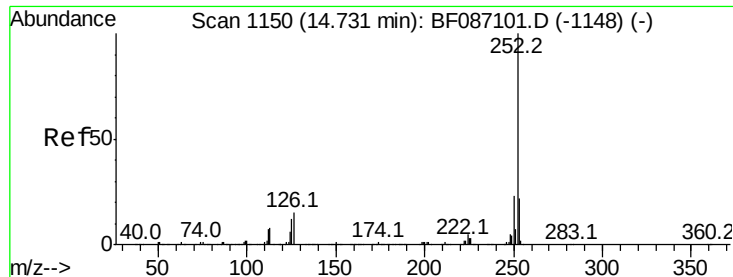
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.06 min Scan# 1179
 Delta R.T. -0.05 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Tgt Ion:	264	Resp:	281942
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.5	29.3
265	21.6	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 48.75 ng m

RT: 14.71 min Scan# 1148

Delta R.T. -0.03 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Instrument :

BNA_F

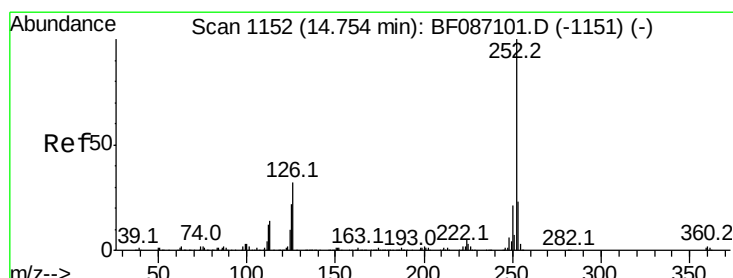
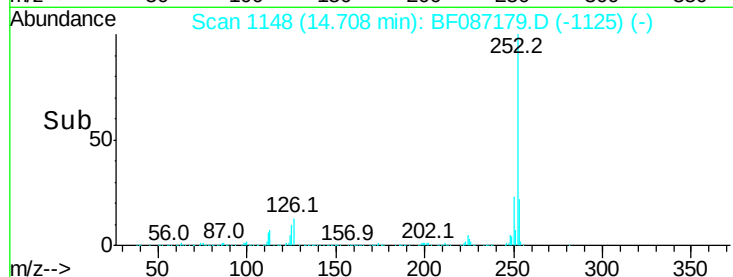
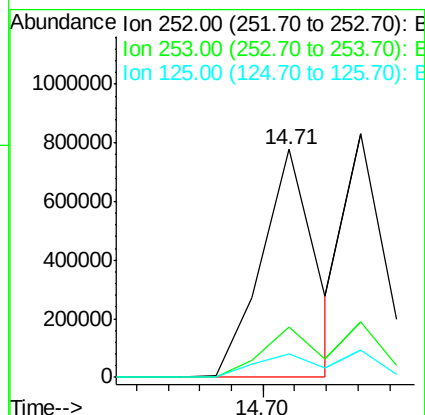
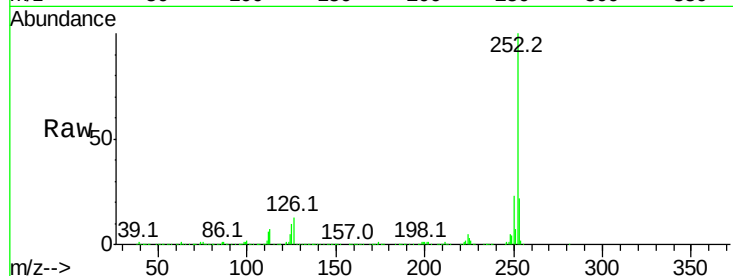
ClientSampleId :

RAV-GT-104MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	911816		
253	22.1	17.8	26.6	
125	10.3	11.4	17.0	

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#88

Benzo(k)fluoranthene

Concen: 53.26 ng m

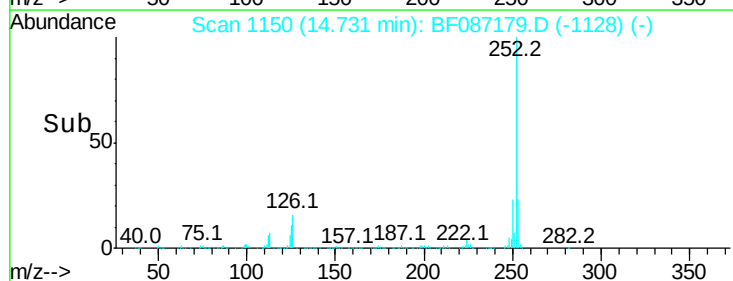
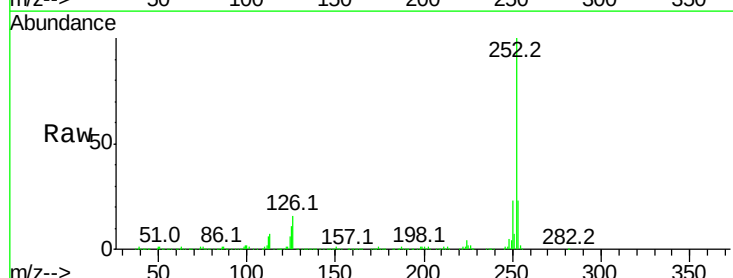
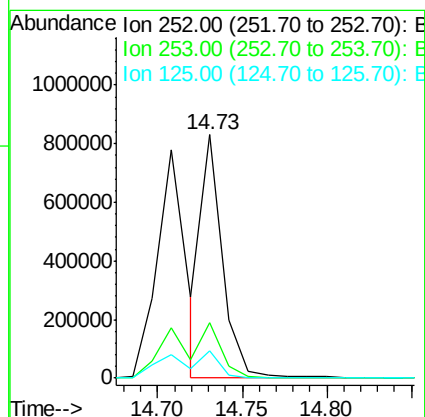
RT: 14.73 min Scan# 1150

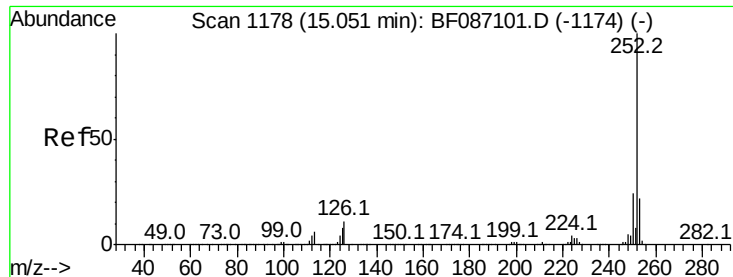
Delta R.T. -0.05 min

Lab File: BF087179.D

Acq: 19 May 2016 9:09

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	741680		
253	22.7	17.8	26.6	
125	11.3	9.1	13.7	





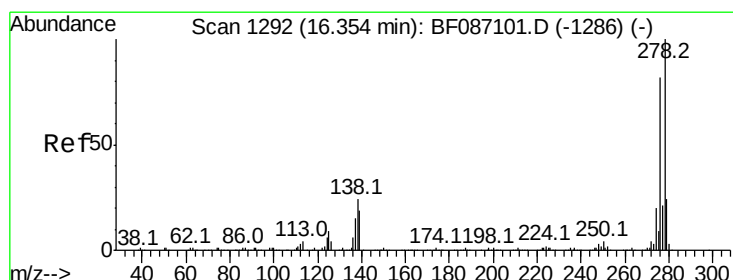
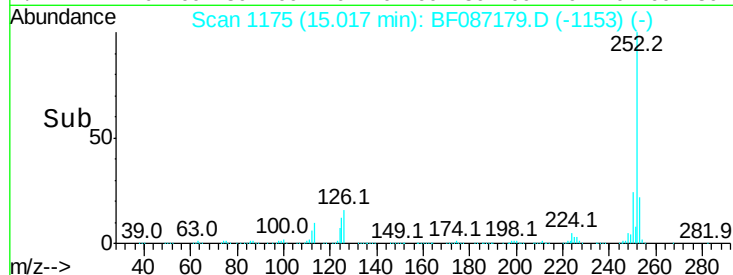
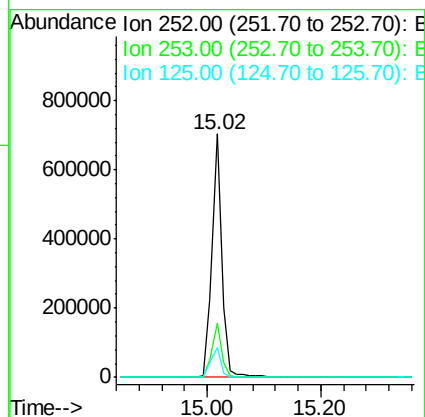
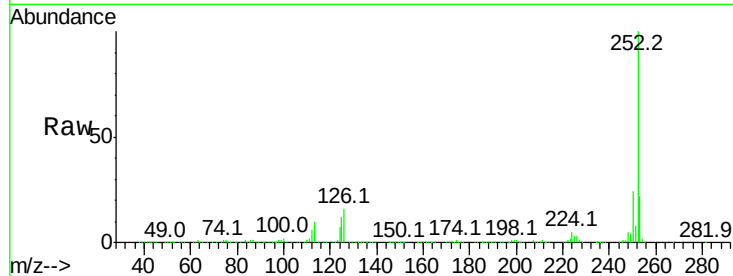
#89
Benzo(a)pyrene
Concen: 51.79 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.05 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT-104MSD

Tot Ion:	252	Resp:	809675
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.2	25.8
125	12.2	9.0	13.6

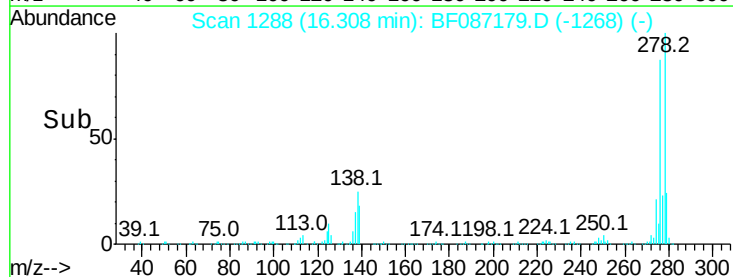
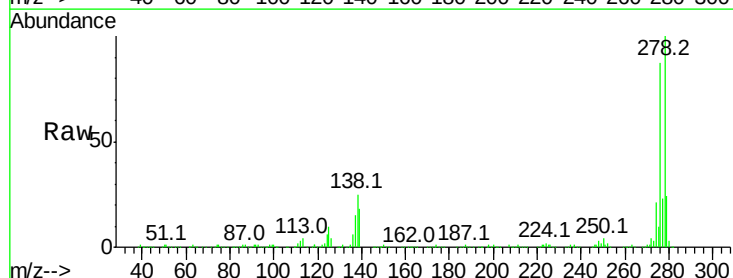
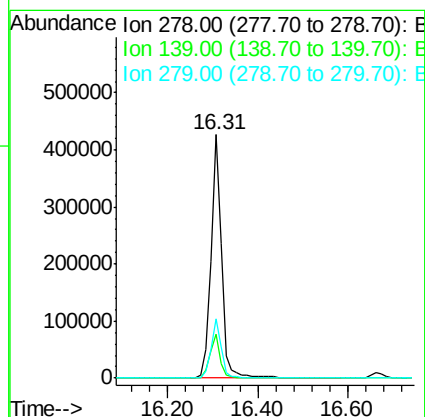
Manual Integrations
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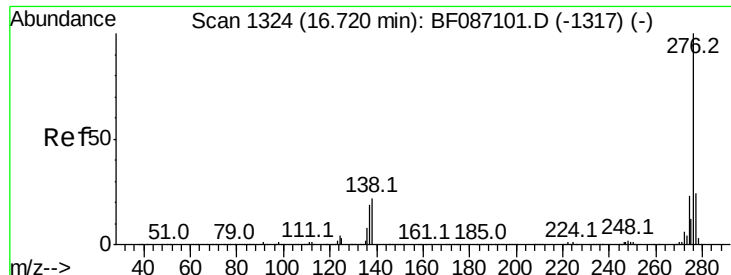
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#90
Dibenzo(a,h)anthracene
Concen: 53.11 ng
RT: 16.31 min Scan# 1288
Delta R.T. -0.07 min
Lab File: BF087179.D
Acq: 19 May 2016 9:09

Tgt Ion:	278	Resp:	699084
Ion Ratio	Lower	Upper	
278	100		
139	17.9	16.6	24.8
279	24.4	19.6	29.4





#91
 Benzo(a,h,i)perylene
 Concen: 49.55 ng
 RT: 16.66 min Scan# 1319
 Delta R.T. -0.08 min
 Lab File: BF087179.D
 Acq: 19 May 2016 9:09

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT-104MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.4	19.6	29.4
138	25.1	23.6	35.4

Manual Integrations
 APPROVED

sohil
 5/19/2016 7:07:46 PM

