

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087037.D
 Acq On : 14 May 2016 23:34
 Operator : UM/SJ
 Sample : PB90490BS
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90490BS

Manual Integrations
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 5/16/2016 6:58:44 PM

Quant Time: May 16 05:39:54 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 16 05:03:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	134957	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	550368	20.00	ng	-0.01
38) Acenaphthene-d10	9.64	164	261736	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	502673	20.00	ng	0.00
75) Chrysene-d12	13.76	240	328579	20.00	ng	0.00
86) Perylene-d12	15.11	264	305961	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	946554	118.78	ng	0.01
7) Phenol-d6	6.28	99	1244457	116.85	ng	0.00
23) Nitrobenzene-d5	7.19	82	868475	79.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	371262	133.99	ng	0.00
44) 2-Fluorobiphenyl	8.98	172	1415177	90.87	ng	0.00
78) Terphenyl-d14	12.71	244	1243194	80.28	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.14	88	129650	33.14	ng	# 64
3) Pyridine	2.78	79	363809	38.04	ng	# 65
4) n-Nitrosodimethylamine	2.73	42	294623	42.48	ng	# 47
6) Aniline	6.28	93	259838	20.17	ng	# 36
8) 2-Chlorophenol	6.40	128	391377	40.70	ng	# 80
9) Benzaldehyde	6.17	77	22823	3.70	ng	97
10) Phenol	6.30	94	560525	44.28	ng	79
11) bis(2-Chloroethyl)ether	6.36	93	418593	42.41	ng	96
12) 1,3-Dichlorobenzene	6.55	146	400766	38.51	ng	# 93
13) 1,4-Dichlorobenzene	6.63	146	415419	39.15	ng	# 94
14) 1,2-Dichlorobenzene	6.78	146	361344m	39.07	ng	
15) Benzyl Alcohol	6.78	79	362489	49.29	ng	# 88
16) 2,2'-oxybis(1-Chloropropan	6.90	45	792526	36.93	ng	55
17) 2-Methylphenol	6.90	107	328250	42.90	ng	# 80
18) Hexachloroethane	7.12	117	158681	39.74	ng	98
19) n-Nitroso-di-n-propylamine	7.05	70	327134	43.95	ng	# 81
20) 3+4-Methylphenols	7.06	107	439919	44.02	ng	# 61
22) Acetophenone	7.04	105	581395	44.72	ng	97
24) Nitrobenzene	7.21	77	485260	43.04	ng	93
25) Isophorone	7.45	82	842227	41.41	ng	97
26) 2-Nitrophenol	7.53	139	198769	40.11	ng	94
27) 2,4-Dimethylphenol	7.59	122	358531	42.47	ng	94
28) bis(2-Chloroethoxy)methane	7.67	93	511319	46.61	ng	98
29) 2,4-Dichlorophenol	7.78	162	321281	43.24	ng	92
30) 1,2,4-Trichlorobenzene	7.85	180	351758	42.34	ng	99
31) Naphthalene	7.92	128	1098015	39.83	ng	99
32) Benzoic acid	7.74	122	178627	36.02	ng	# 82
33) 4-Chloroaniline	7.99	127	147881	13.81	ng	# 94
34) Hexachlorobutadiene	8.04	225	205706	42.67	ng	99
35) Caprolactam	8.36	113	105406m	41.69	ng	
36) 4-Chloro-3-methylphenol	8.49	107	353809	39.26	ng	87
37) 2-Methylnaphthalene	8.62	142	778647	48.32	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.78	216	299572	39.37	ng	97
40) Hexachlorocyclopentadiene	8.76	237	262781	72.75	ng	95

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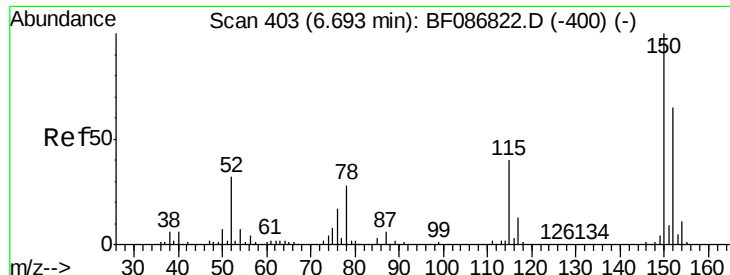
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.90	196	211159	41.50	ng	95
43) 2,4,5-Trichlorophenol	8.96	196	198199	37.66	ng	95
45) 1,1'-Biphenyl	9.08	154	933790	44.85	ng	99
46) 2-Chloronaphthalene	9.10	162	656941	40.28	ng	# 92
47) 2-Nitroaniline	9.21	65	273794	45.93	ng	# 75
48) Acenaphthylene	9.51	152	1029123	42.90	ng	99
49) Dimethylphthalate	9.39	163	859643	43.05	ng	100
50) 2,6-Dinitrotoluene	9.45	165	167232	39.79	ng	# 68
51) Acenaphthene	9.68	154	618339	41.43	ng	98
52) 3-Nitroaniline	9.62	138	99678	22.53	ng	84
53) 2,4-Dinitrophenol	9.74	184	102631	50.89	ng	89
54) Dibenzofuran	9.85	168	909780	47.49	ng	91
55) 4-Nitrophenol	9.82	139	167746m	58.18	ng	
56) 2,4-Dinitrotoluene	9.86	165	237556	45.68	ng	# 84
57) Fluorene	10.19	166	661304	40.48	ng	100
58) 2,3,4,6-Tetrachlorophenol	9.99	232	188684	47.62	ng	95
59) Diethylphthalate	10.09	149	859790	44.18	ng	97
60) 4-Chlorophenyl-phenylether	10.19	204	344406	49.73	ng	94
61) 4-Nitroaniline	10.24	138	175444	41.29	ng	# 68
62) Azobenzene	10.35	77	1048220	49.93	ng	87
64) 4,6-Dinitro-2-methylphenol	10.26	198	91936	29.44	ng	# 17
65) n-Nitrosodiphenylamine	10.32	169	701418	45.42	ng	99
66) 4-Bromophenyl-phenylether	10.68	248	210704	41.34	ng	# 74
67) Hexachlorobenzene	10.74	284	254398	42.71	ng	# 87
68) Atrazine	10.86	200	233395	45.24	ng	94
69) Pentachlorophenol	10.95	266	203680	73.99	ng	96
70) Phenanthrene	11.15	178	1171963	43.69	ng	99
71) Anthracene	11.20	178	1089270	39.70	ng	100
72) Carbazole	11.37	167	1086795	46.08	ng	100
73) Di-n-butylphthalate	11.70	149	1264177	43.89	ng	# 99
74) Fluoranthene	12.33	202	1094447	39.67	ng	98
76) Benzidine	12.47	184	231830	27.68	ng	96
77) Pyrene	12.56	202	1184638	47.09	ng	100
79) Butylbenzylphthalate	13.19	149	498992	46.90	ng	# 72
80) Benzo(a)anthracene	13.75	228	852422	46.21	ng	98
81) 3,3'-Dichlorobenzidine	13.71	252	161890	13.81	ng	# 98
82) Chrysene	13.78	228	886615	47.25	ng	99
83) Bis(2-ethylhexyl)phthalate	13.75	149	611147	47.75	ng	# 94
84) Di-n-octyl phthalate	14.35	149	1064988	50.23	ng	# 84
85) Indeno(1,2,3-cd)pyrene	16.37	276	778688	49.88	ng	95
87) Benzo(b)fluoranthene	14.74	252	730886m	36.76	ng	
88) Benzo(k)fluoranthene	14.77	252	751035m	46.13	ng	
89) Benzo(a)pyrene	15.06	252	741718	43.25	ng	98
90) Dibenzo(a,h)anthracene	16.37	278	646395	44.72	ng	98
91) Benzo(g,h,i)perylene	16.73	276	665416	45.31	ng	# 91

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



#1

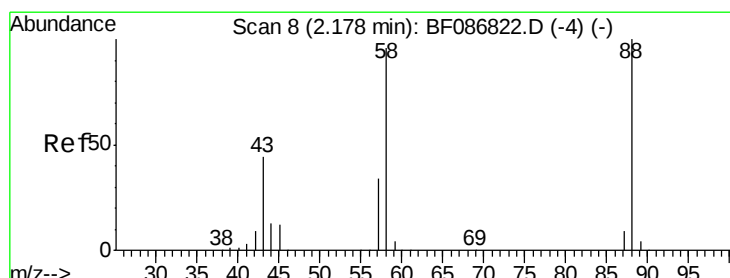
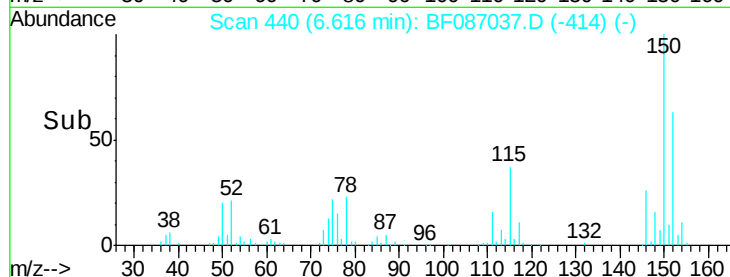
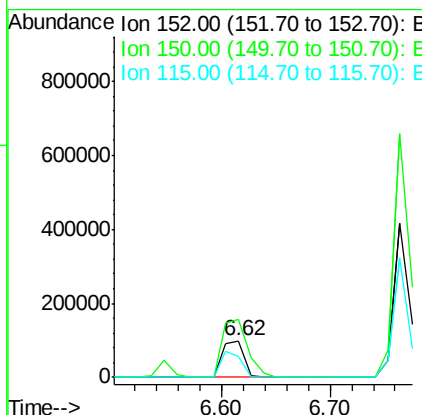
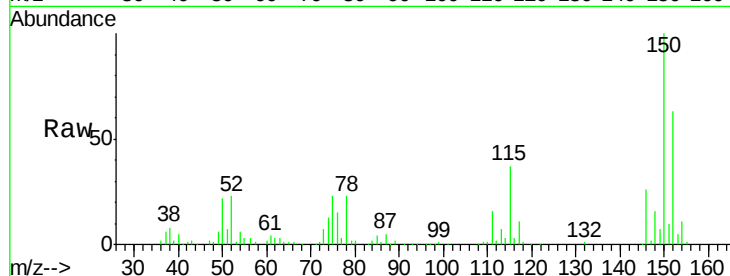
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 440
Delta R.T. 0.00 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Instrument :
BNA_F
ClientSampleId :
PB90490BS

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	134957		
150	158.7	125.8	188.6	
115	58.1	51.5	77.3	

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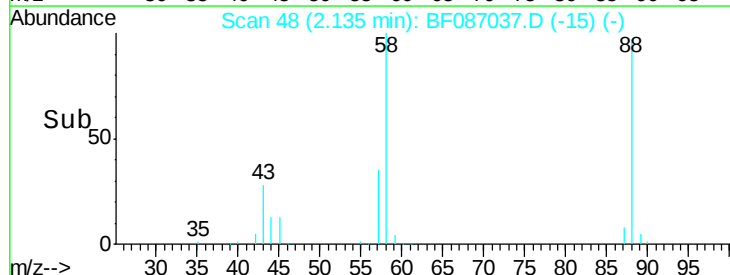
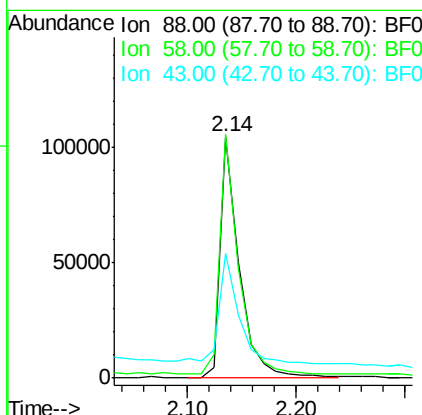
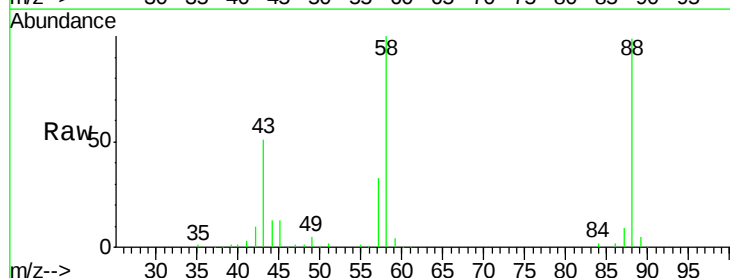
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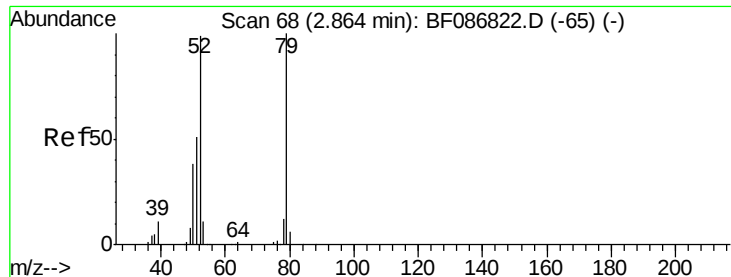


#2

1,4-Dioxane
Concen: 33.14 ng
RT: 2.14 min Scan# 48
Delta R.T. 0.08 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	129650		
58	97.4	59.6	89.4#	
43	59.4	21.8	32.6#	





#3

Pyridine

Concen: 38.04 ng

RT: 2.78 min Scan# 104

Delta R.T. 0.08 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Instrument :

BNA_F

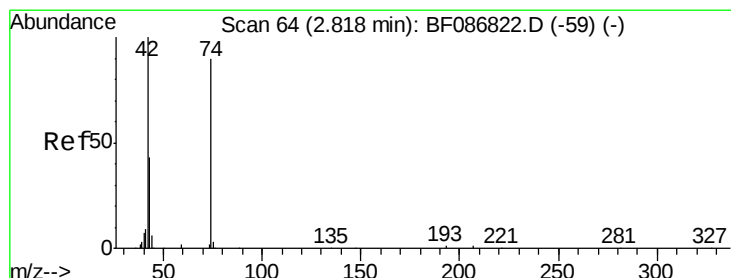
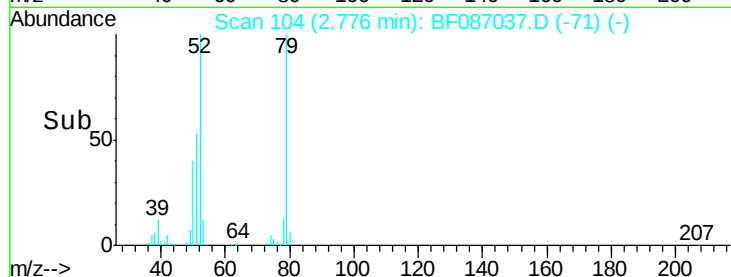
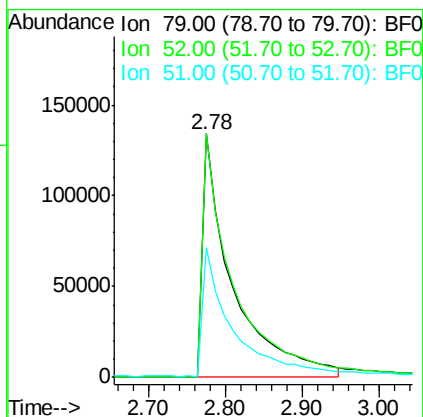
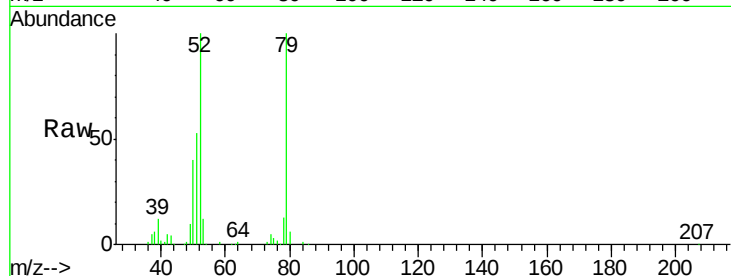
ClientSampleId :

PB90490BS

Tgt Ion	Ratio	Lower	Upper
79	100		
52	100.0	55.9	83.9#
51	53.5	28.1	42.1#

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 42.48 ng

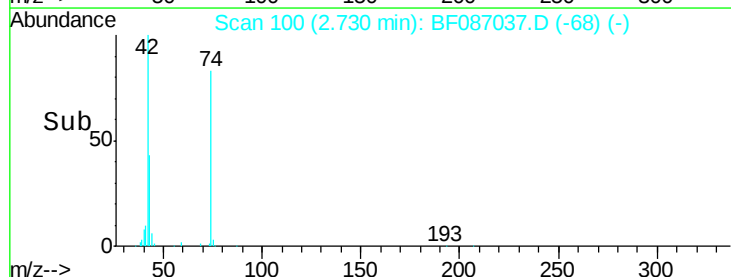
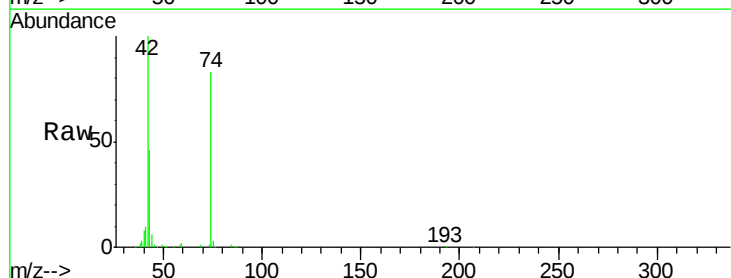
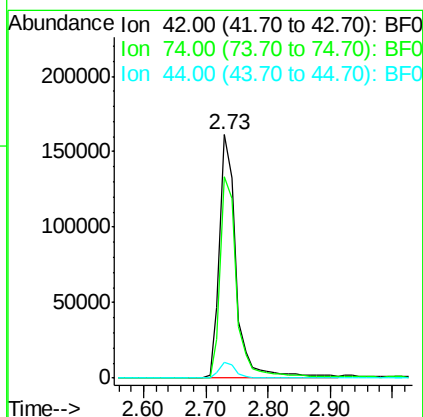
RT: 2.73 min Scan# 100

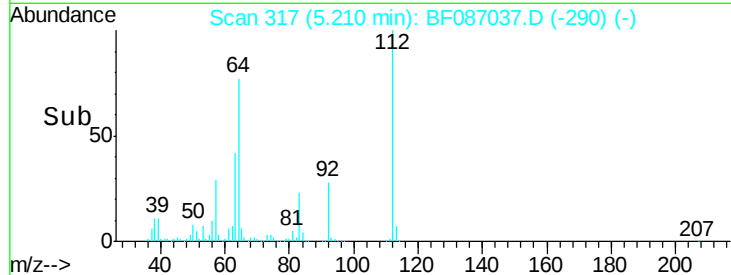
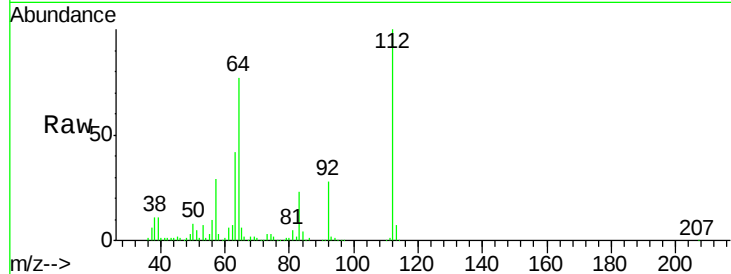
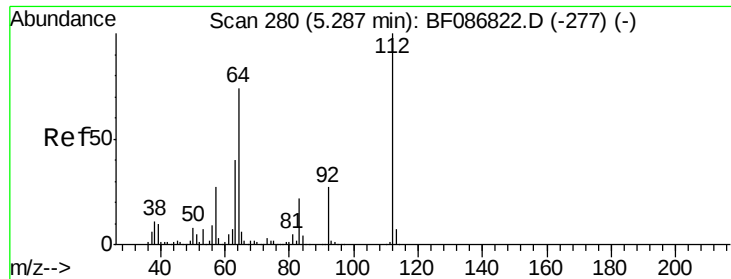
Delta R.T. 0.07 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Lower	Upper
42	100		
74	82.7	123.4	185.0#
44	6.5	5.8	8.6





#5

2-Fluorophenol

Concen: 118.78 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.01 min

Lab File: BF087037.D

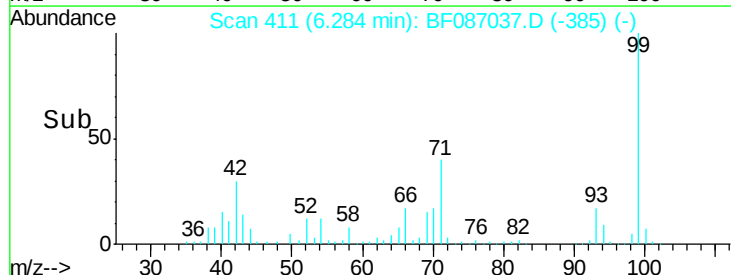
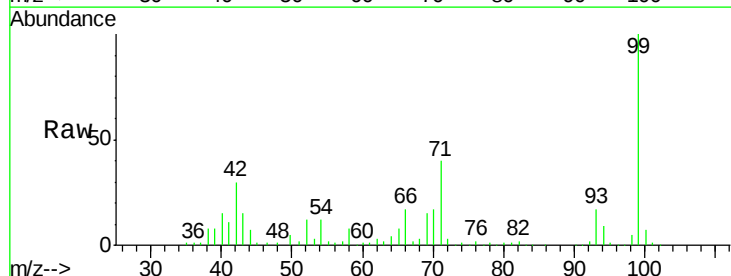
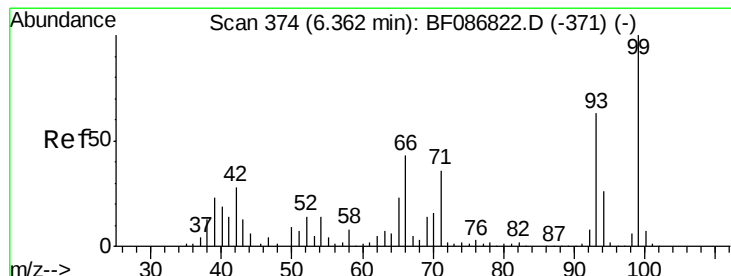
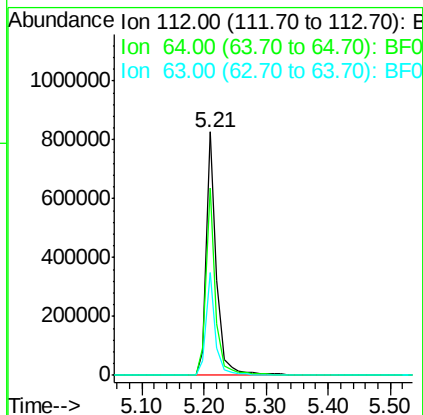
Acq: 14 May 2016 23:34

Tgt Ion:	112	Resp:	946554
Ion Ratio	Lower	Upper	
112	100		
64	77.1	52.1	78.1
63	42.5	25.7	38.5#

Instrument :
BNA_F
ClientSampled :
PB90490BS

Manual Integrations
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#6

Aniline

Concen: 20.17 ng

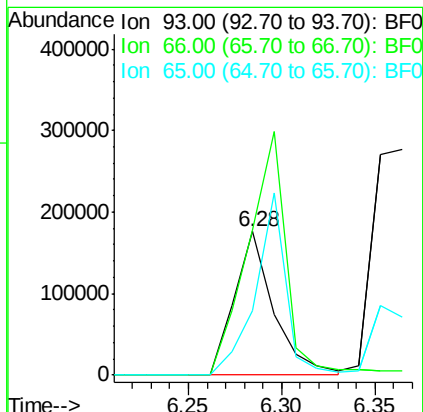
RT: 6.28 min Scan# 411

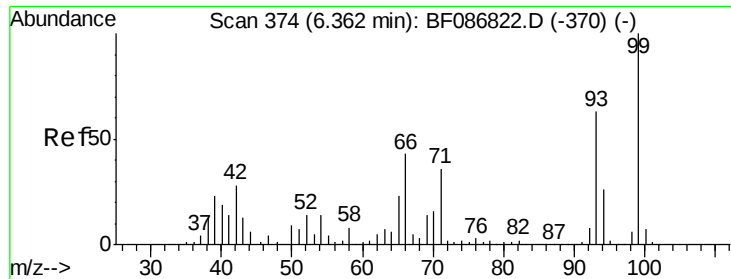
Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Tgt Ion:	93	Resp:	259838
Ion Ratio	Lower	Upper	
93	100		
66	101.4	39.0	58.6#
65	45.2	20.6	31.0#





#7

Phenol-d6

Concen: 116.85 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Instrument :

BNA_F

ClientSampleId :

PB90490BS

Tgt Ion: 99 Resp: 1244457

Ion Ratio Lower Upper

99 100

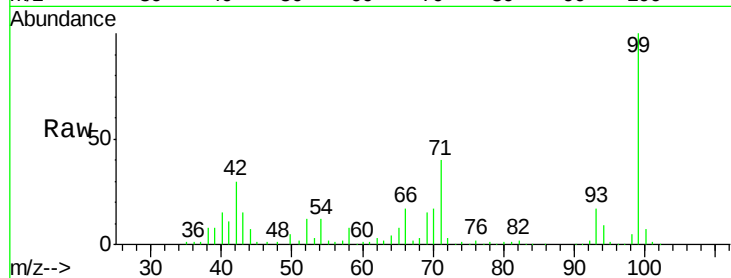
42 30.2 13.6 20.4#

71 39.8 24.6 36.8#

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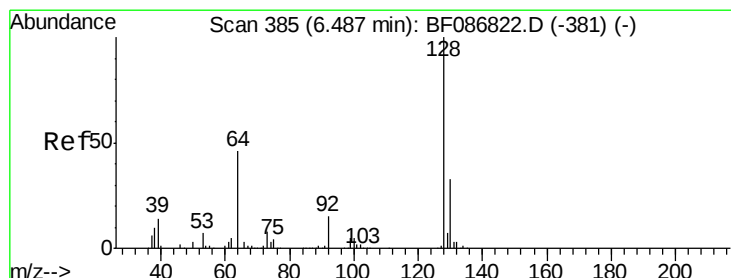
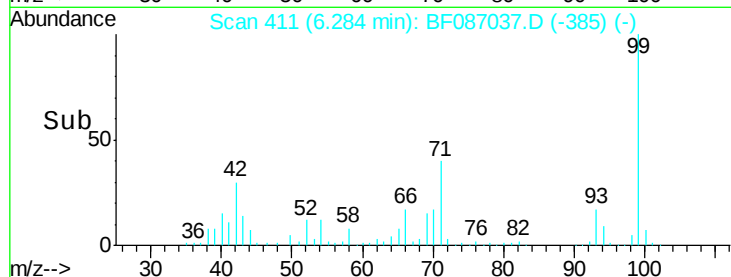
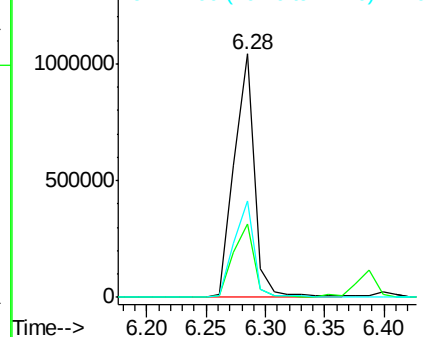
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 40.70 ng

RT: 6.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

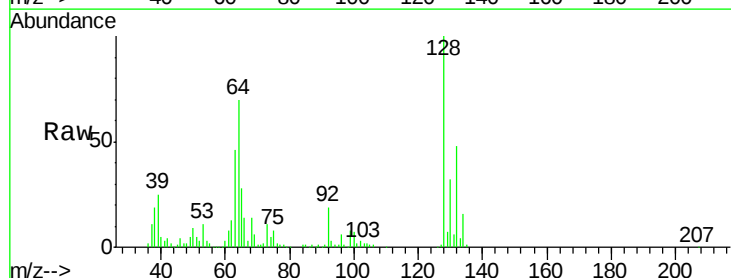
Tgt Ion: 128 Resp: 391377

Ion Ratio Lower Upper

128 100

130 32.4 12.5 52.5

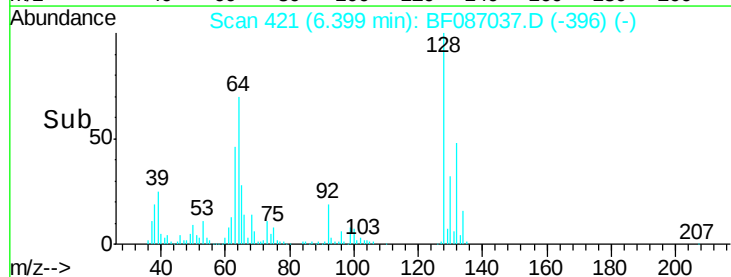
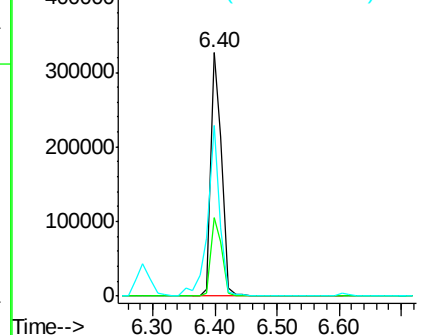
64 69.9 27.3 67.3#

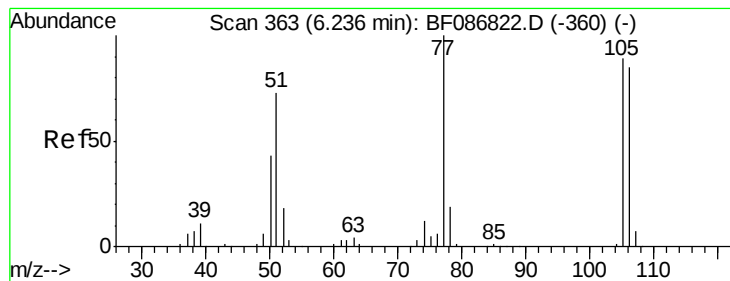


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 3.70 ng

RT: 6.17 min Scan# 401

Delta R.T. 0.01 min

Lab File: BF087037.D

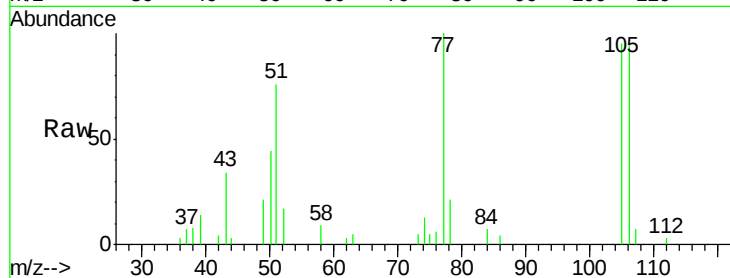
Acq: 14 May 2016 23:34

Instrument :

BNA_F

ClientSampled :

PB90490BS



Tgt Ion: 77 Resp: 22823

Ion Ratio Lower Upper

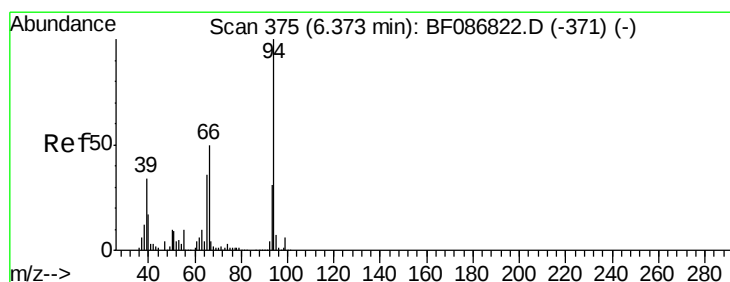
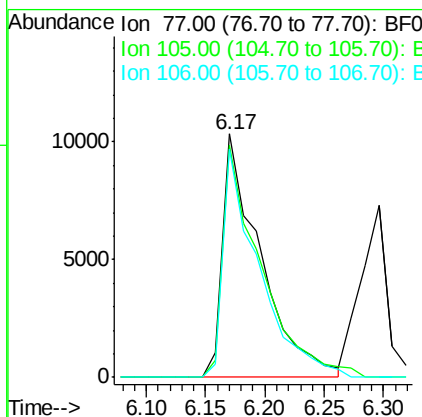
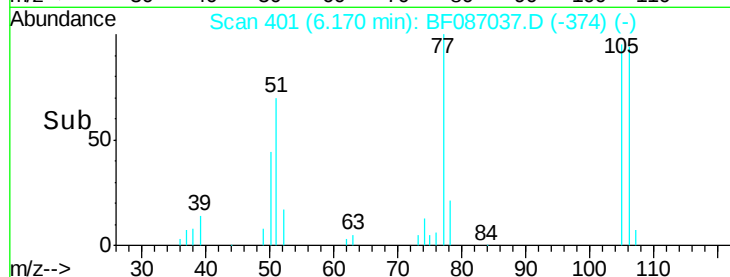
77 100

105 95.1 72.7 112.7

106 93.5 70.8 110.8

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#10

Phenol

Concen: 44.28 ng

RT: 6.30 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

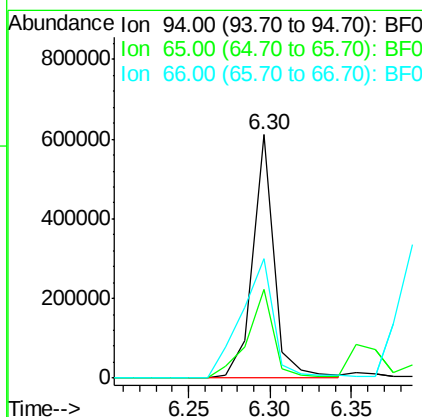
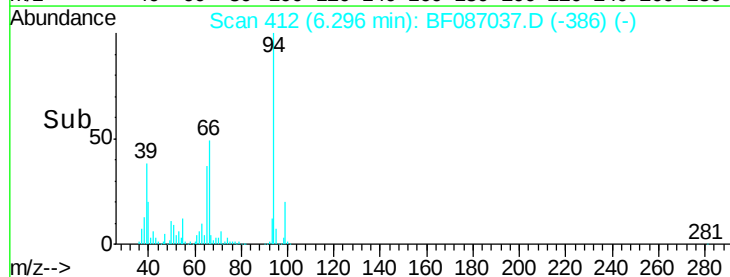
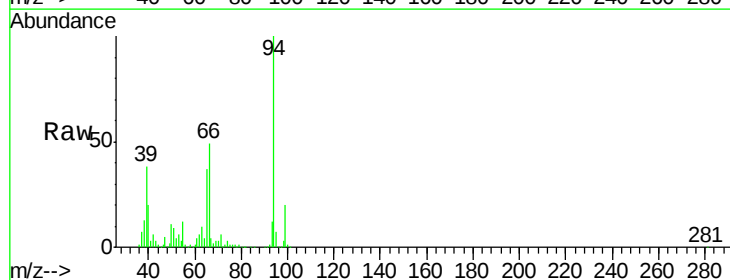
Tgt Ion: 94 Resp: 560525

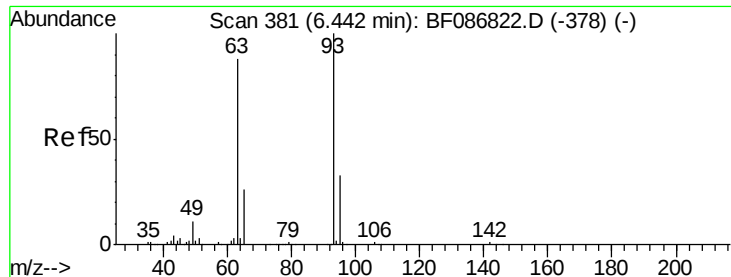
Ion Ratio Lower Upper

94 100

65 36.7 7.2 47.2

66 48.8 14.9 54.9





#11

bis(2-Chloroethyl)ether

Concen: 42.41 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Instrument :

BNA_F

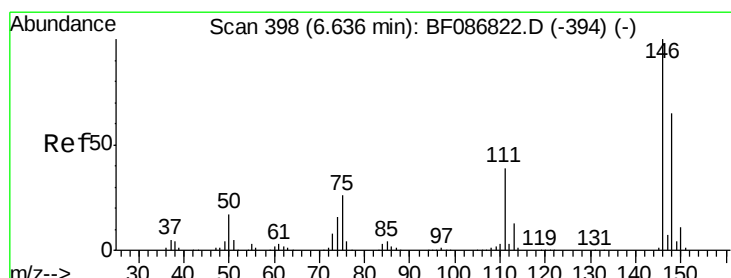
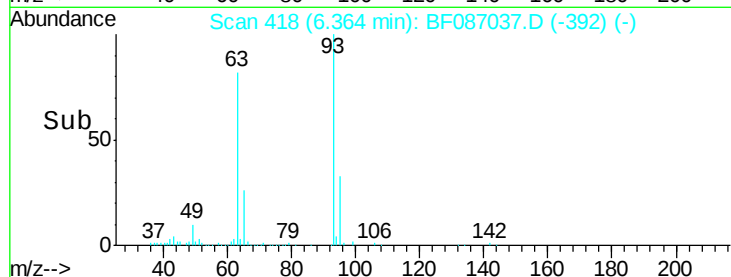
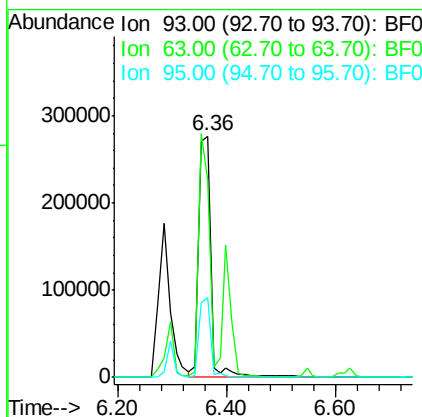
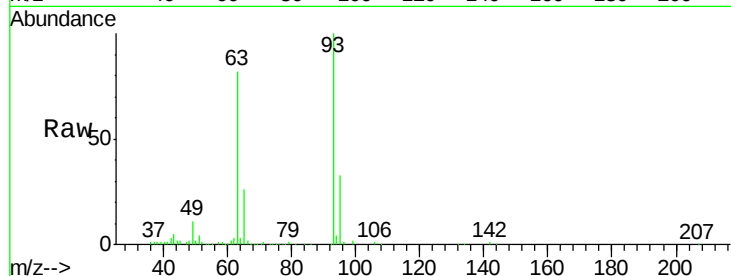
ClientSampleId :

PB90490BS

Tgt Ion:	93	Resp:	418593
Ion	Ratio	Lower	Upper
93	100		
63	81.7	58.0	98.0
95	32.8	11.9	51.9

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#12

1,3-Dichlorobenzene

Concen: 38.51 ng

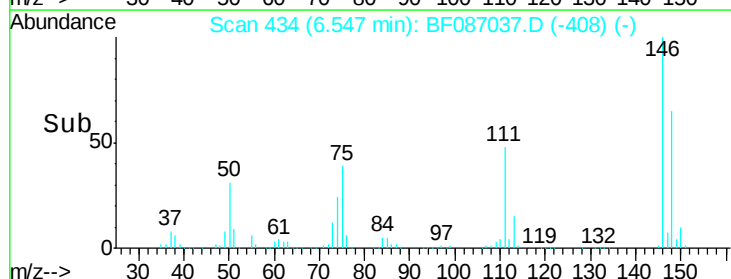
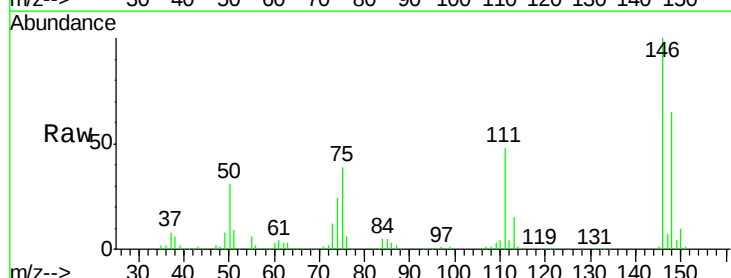
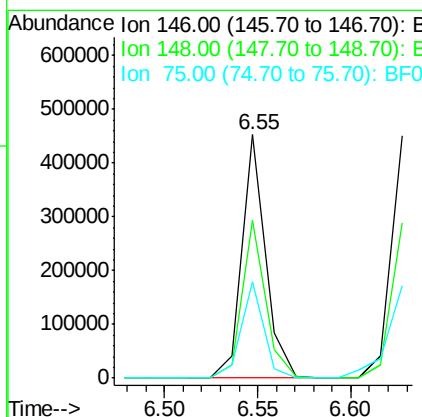
RT: 6.55 min Scan# 434

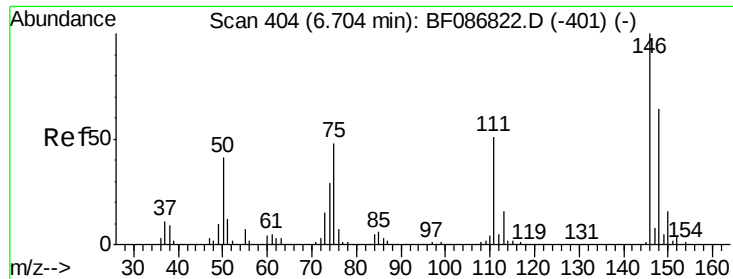
Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Tgt Ion:	146	Resp:	400766
Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.4	78.6
75	39.4	22.8	34.2#





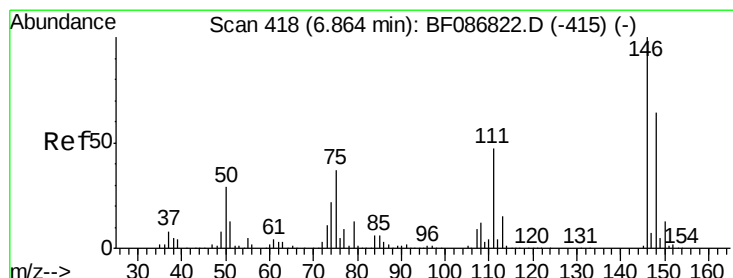
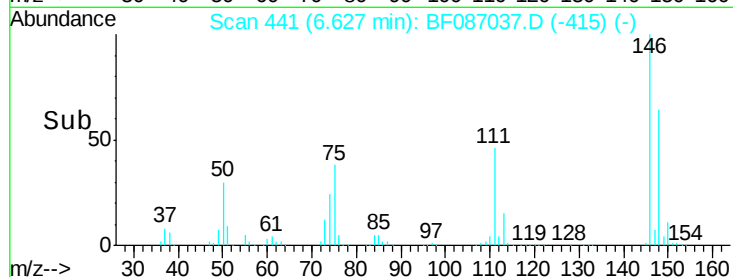
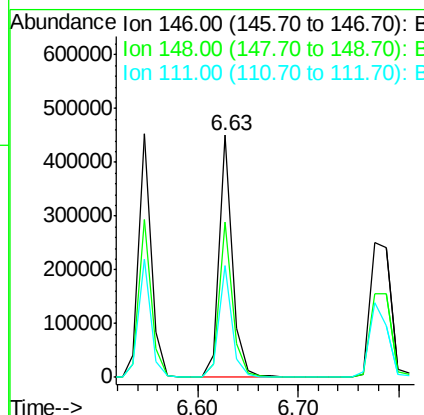
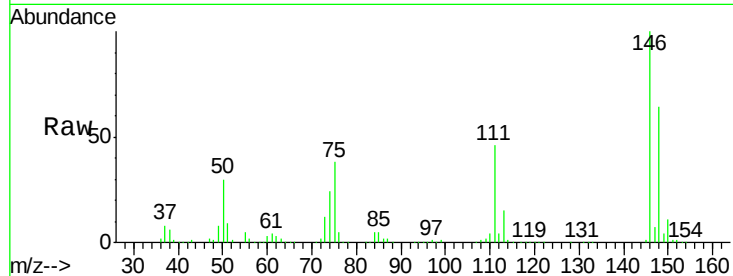
#13
 1,4-Dichlorobenzene
 Concen: 39.15 ng
 RT: 6.63 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Instrument :
 BNA_F
 ClientSampled :
 PB90490BS

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	415419		
148	64.4	52.2	78.4	
111	46.3	30.7	46.1#	

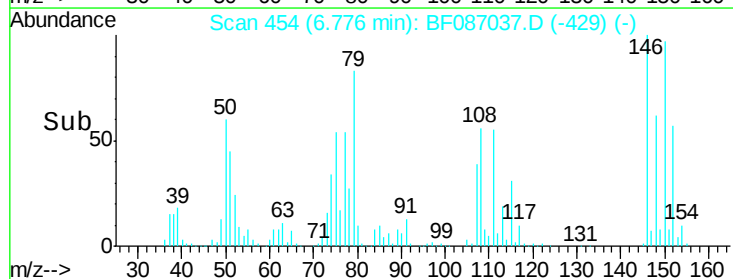
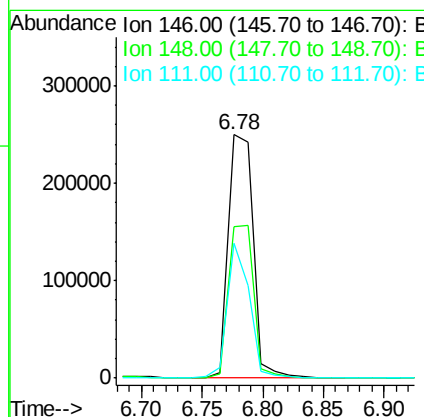
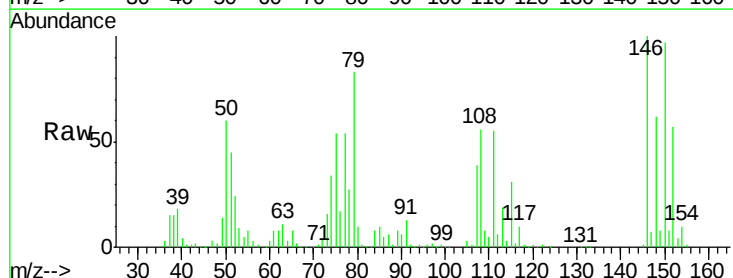
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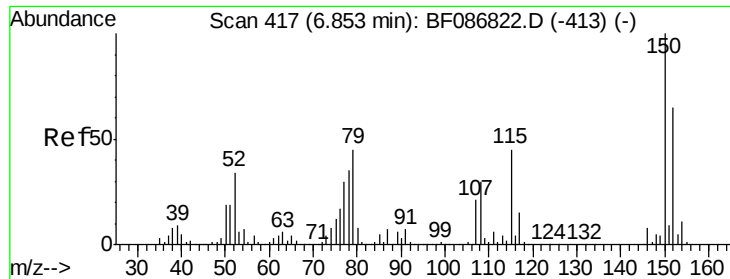
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#14
 1,2-Dichlorobenzene
 Concen: 39.07 ng m
 RT: 6.78 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	361344		
148	62.4	51.0	76.6	
111	55.5	36.2	54.4#	





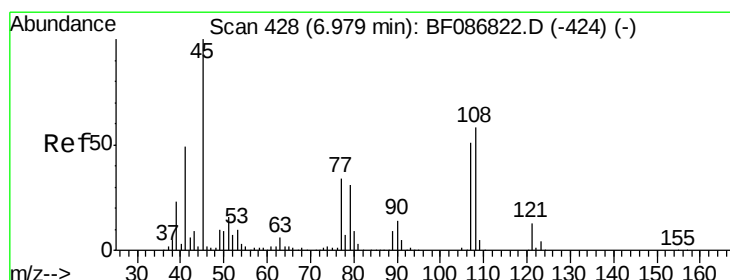
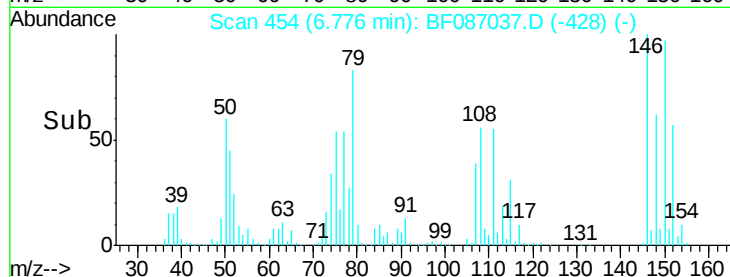
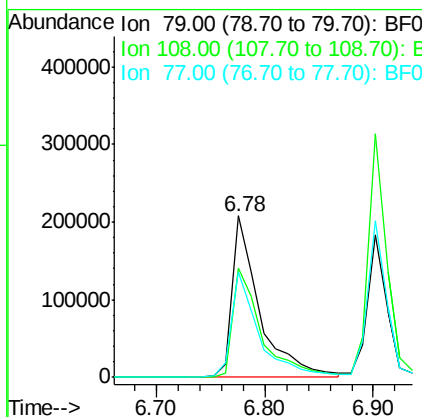
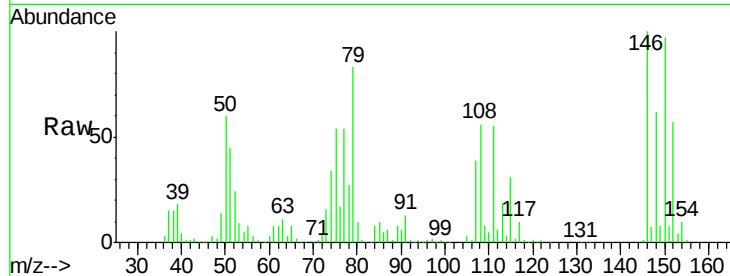
#15
Benzyl Alcohol
Concen: 49.29 ng
RT: 6.78 min Scan# 454
Delta R.T. 0.00 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Instrument :
BNA_F
ClientSampleId :
PB90490BS

Tgt Ion: 79 Resp: 362489
Ion Ratio Lower Upper
79 100
108 67.7 68.4 102.6#
77 65.1 50.6 76.0

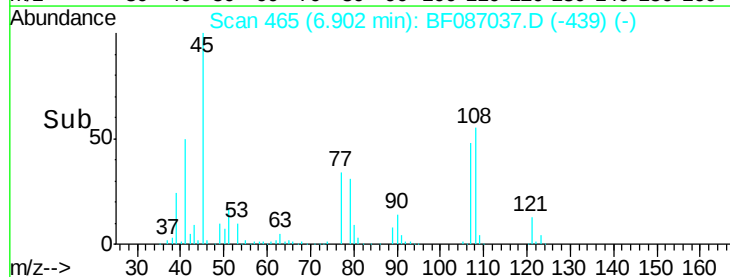
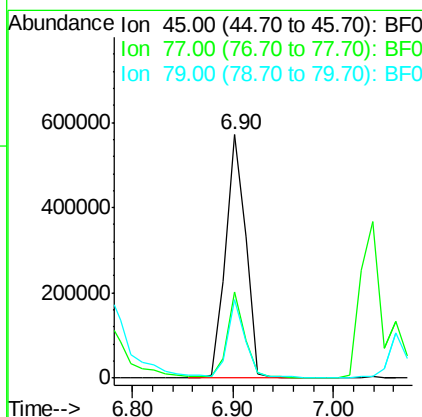
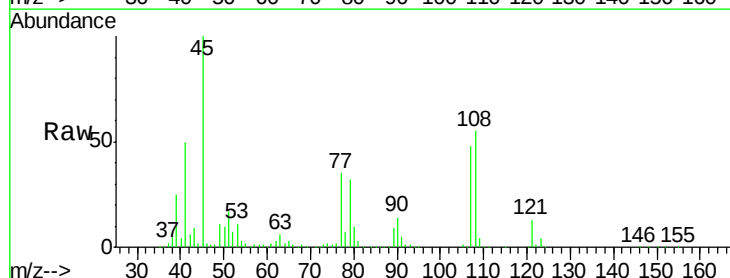
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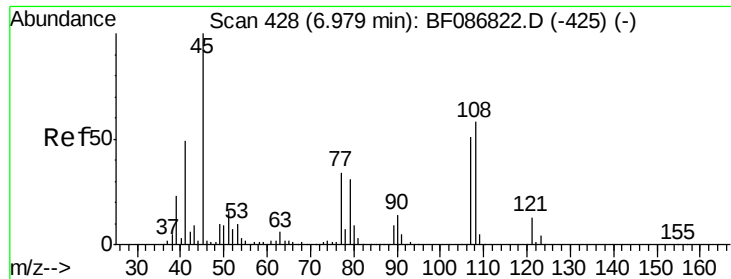
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.93 ng
RT: 6.90 min Scan# 465
Delta R.T. 0.00 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Tgt Ion: 45 Resp: 792526
Ion Ratio Lower Upper
45 100
77 35.3 0.0 36.4
79 32.0 0.0 33.4





#17

2-Methylphenol

Concen: 42.90 ng

RT: 6.90 min Scan# 465

Delta R.T. 0.00 min

Lab File: BF087037.D

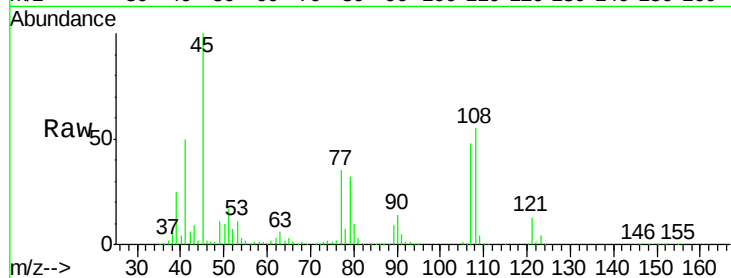
Acq: 14 May 2016 23:34

Instrument :

BNA_F

ClientSampleId :

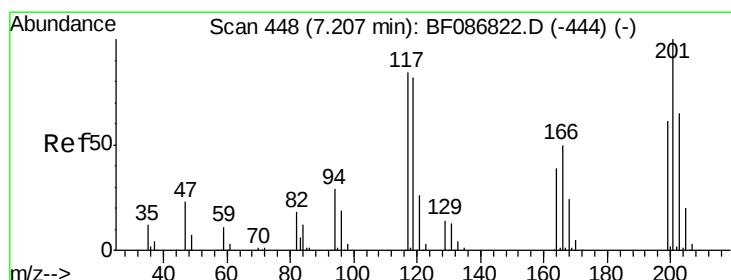
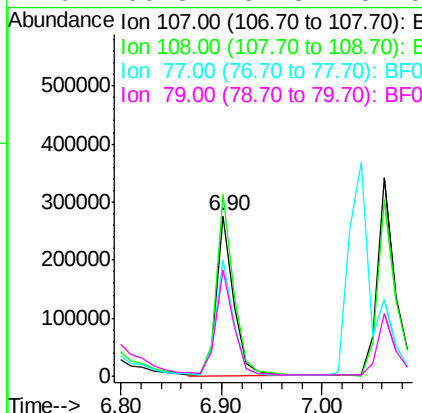
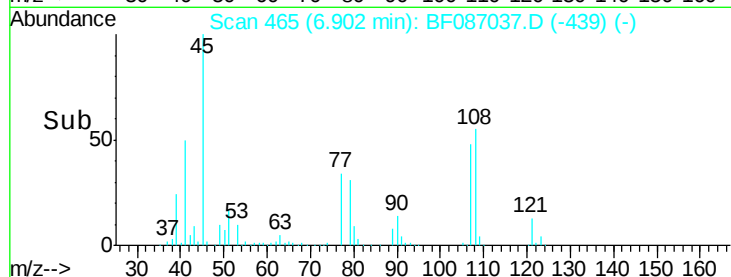
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Tgt Ion:	107	Resp:	328250
Ion Ratio	Lower	Upper	
107	100		
108	113.6	93.7	140.5
77	73.0	33.4	50.0#
79	66.3	34.3	51.5#

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#18

Hexachloroethane

Concen: 39.74 ng

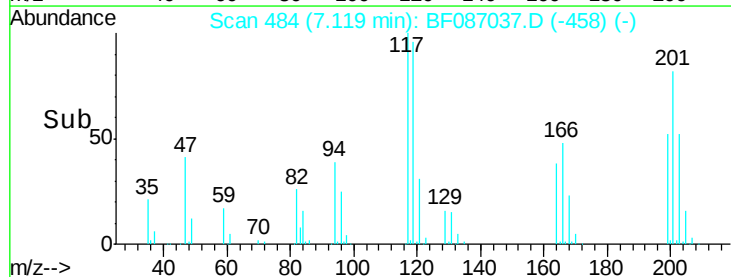
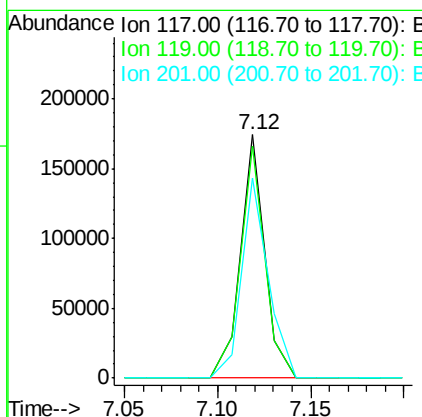
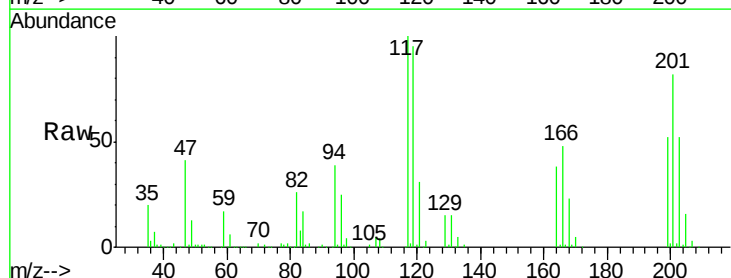
RT: 7.12 min Scan# 484

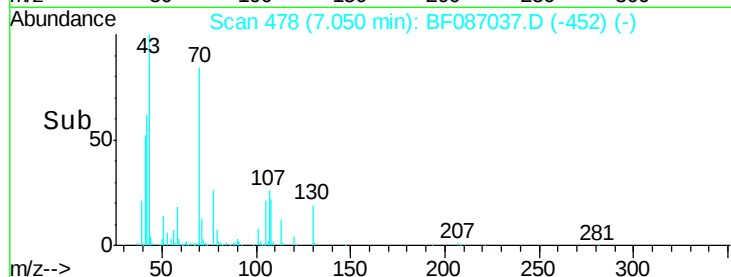
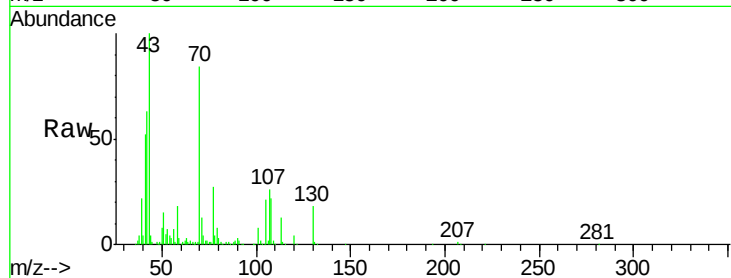
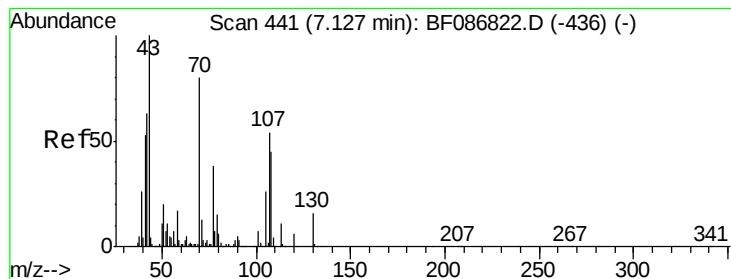
Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Tgt Ion:	117	Resp:	158681
Ion Ratio	Lower	Upper	
117	100		
119	95.5	76.5	114.7
201	82.2	63.0	94.6





#19

n-Nitroso-di-n-propylamine

Concen: 43.95 ng

RT: 7.05 min Scan# 478

Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Instrument :

BNA_F

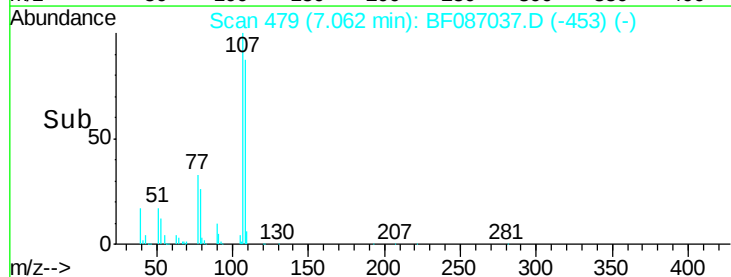
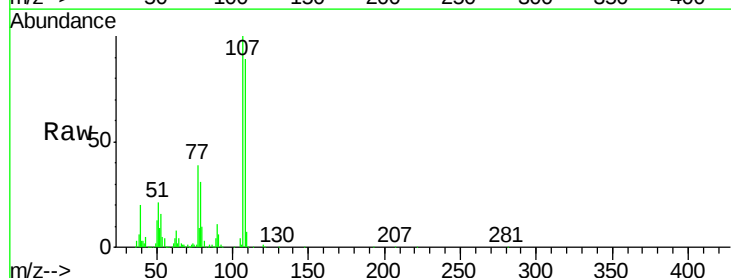
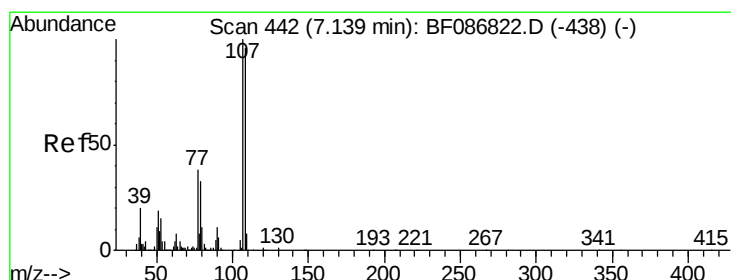
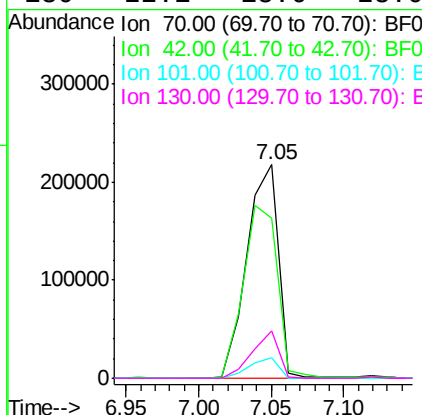
ClientSampleId :

PB90490BS

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Tgt Ion	Ratio	Lower	Upper
70	100		
42	74.9	43.1	64.7#
101	9.5	8.1	12.1
130	22.1	18.6	28.0



#20

3+4-Methylphenols

Concen: 44.02 ng

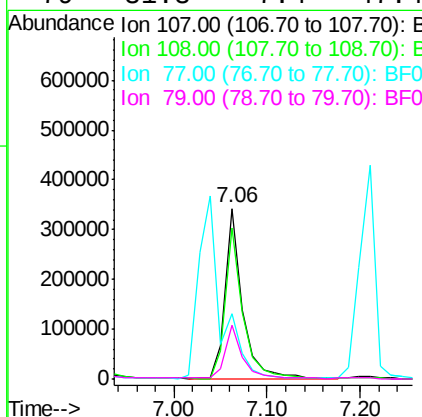
RT: 7.06 min Scan# 479

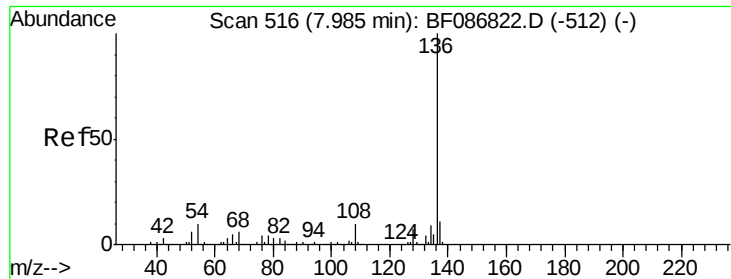
Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.9	68.5	108.5
77	38.7	101.6	141.6#
79	31.3	7.4	47.4





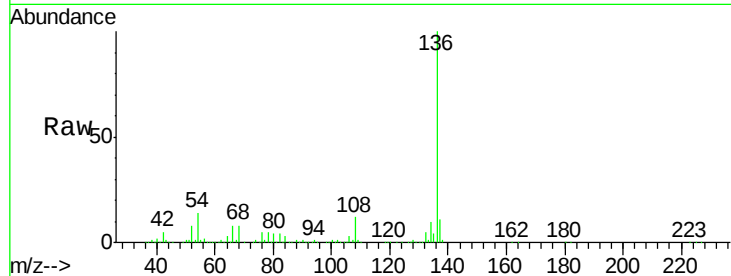
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Instrument :
BNA_F
ClientSampleId :
PB90490BS

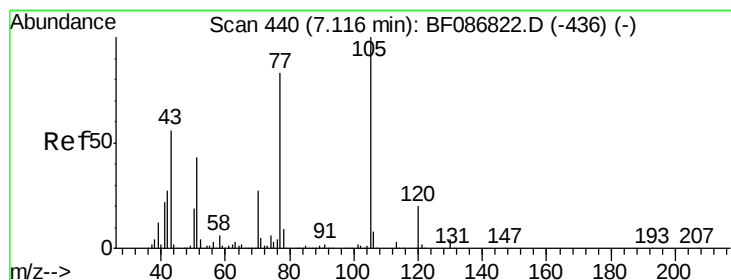
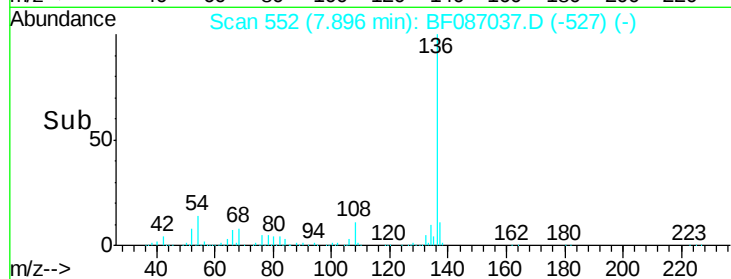
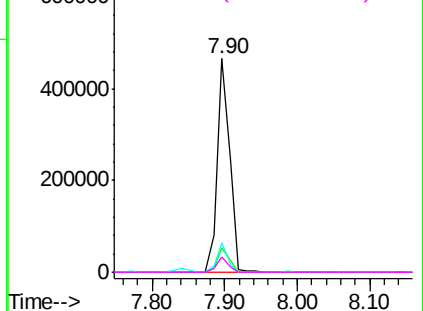
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	550368		
137	11.2	8.8	13.2	
54	14.0	5.0	7.4#	
68	7.5	4.4	6.6#	

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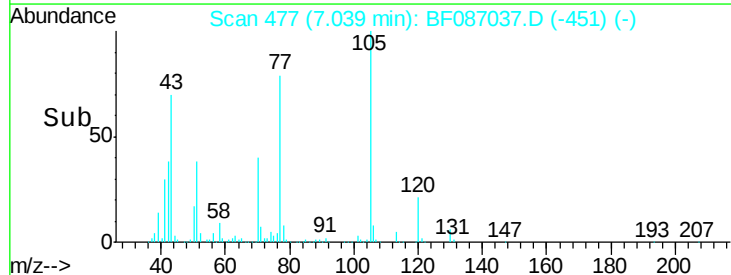
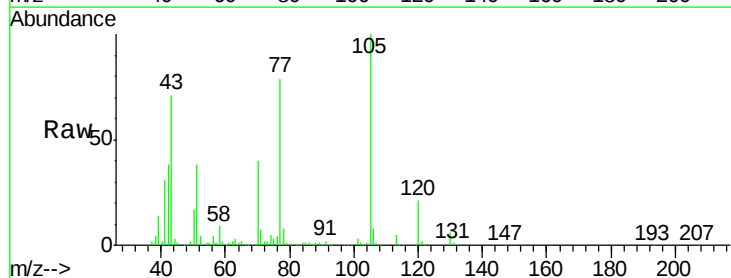
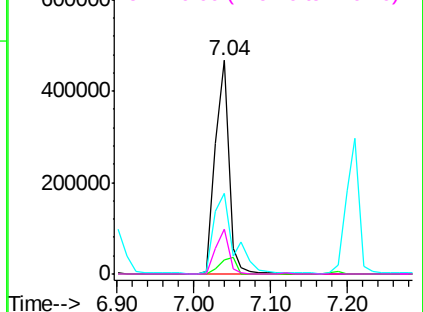
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

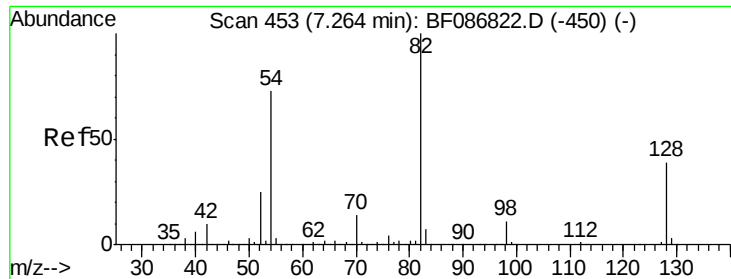


#22
Acetophenone
Concen: 44.72 ng
RT: 7.04 min Scan# 477
Delta R.T. 0.00 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	581395		
71	6.7	4.8	7.2	
51	37.8	32.6	49.0	
120	21.0	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





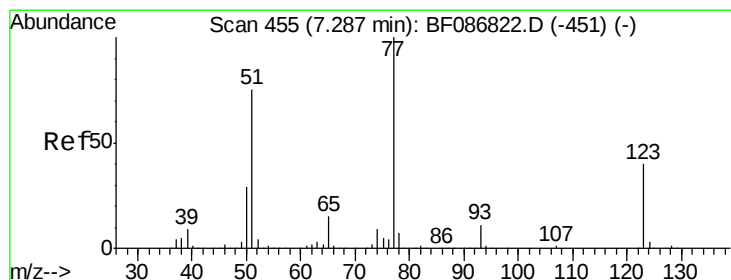
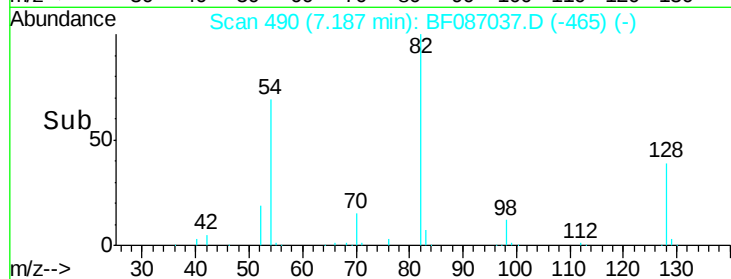
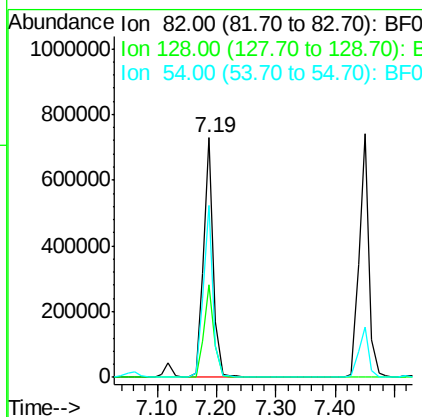
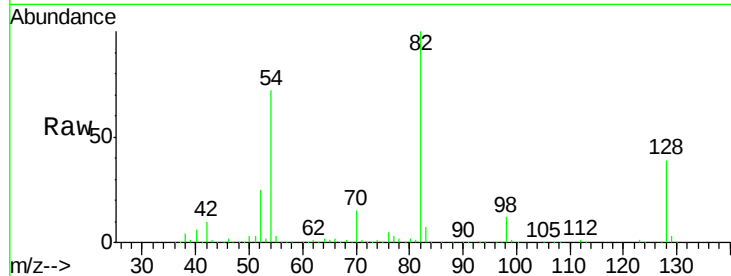
#23
 Nitrobenzene-d5
 Concen: 79.24 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.01 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Instrument :
 BNA_F
 ClientSampleID :
 PB90490BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	38.7	40.6	61.0#
54	71.6	38.1	57.1#

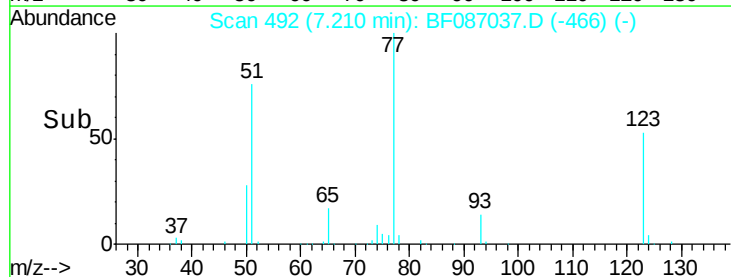
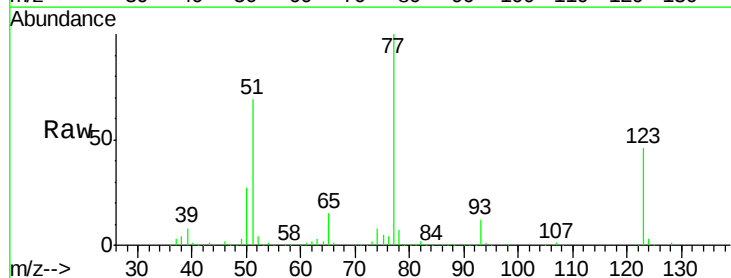
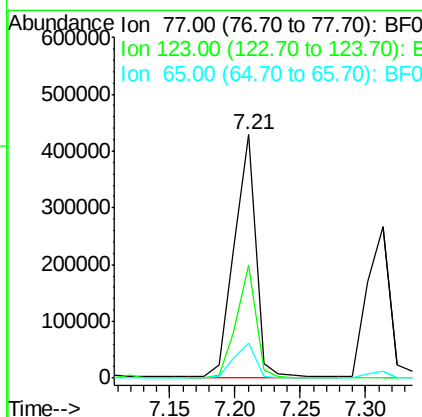
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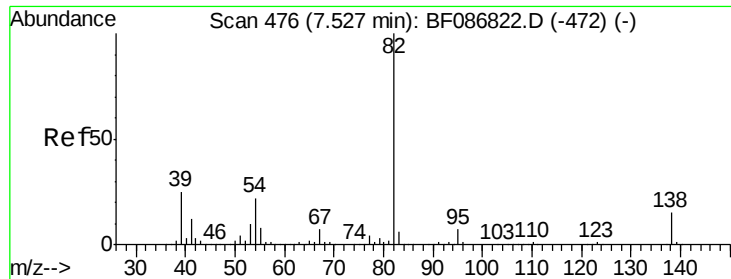
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#24
 Nitrobenzene
 Concen: 43.04 ng
 RT: 7.21 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
77	100		
123	46.3	33.0	49.4
65	14.5	10.8	16.2





#25

Isophorone

Concen: 41.41 ng

RT: 7.45 min Scan# 513

Delta R.T. 0.00 min

Lab File: BF087037.D

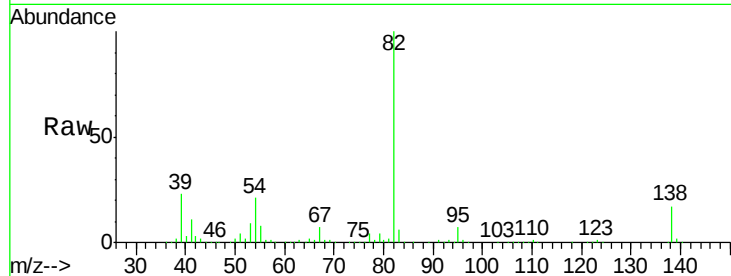
Acq: 14 May 2016 23:34

Instrument :

BNA_F

ClientSampleId :

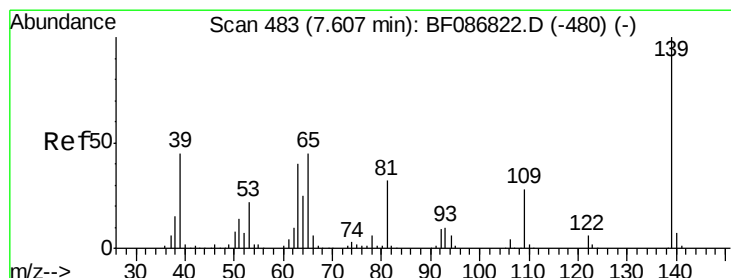
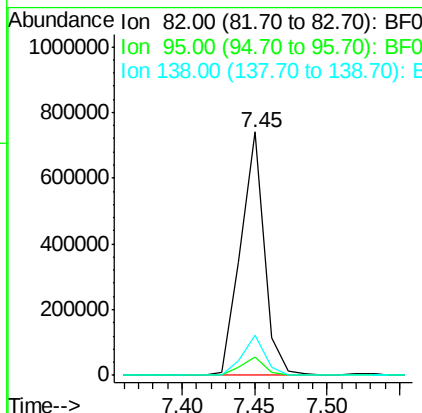
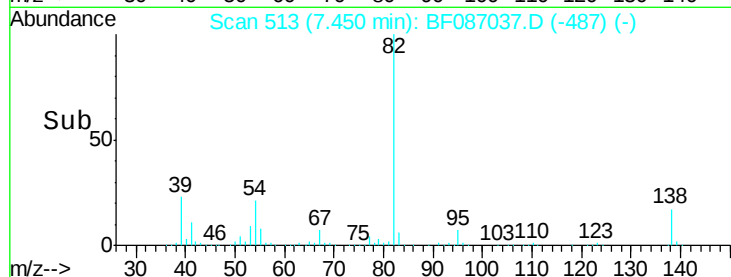
PB90490BS



Tgt Ion:	82	Resp:	842227
Ion Ratio	Lower	Upper	
82	100		
95	7.5	5.1	7.7
138	16.6	12.4	18.6

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#26

2-Nitrophenol

Concen: 40.11 ng

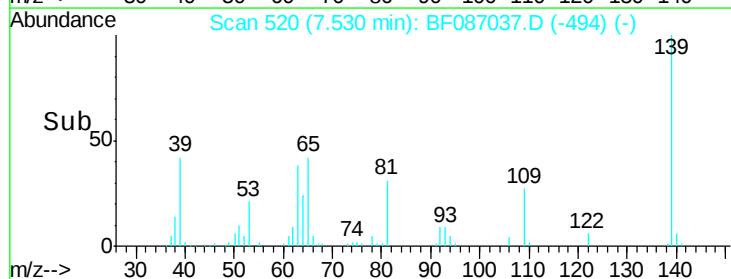
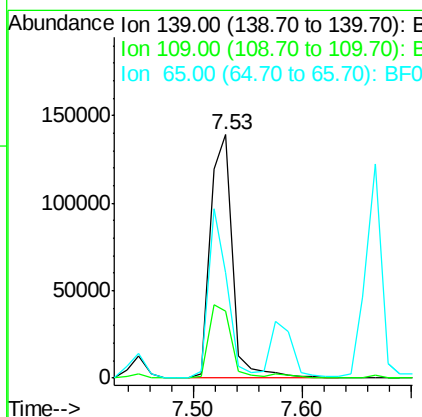
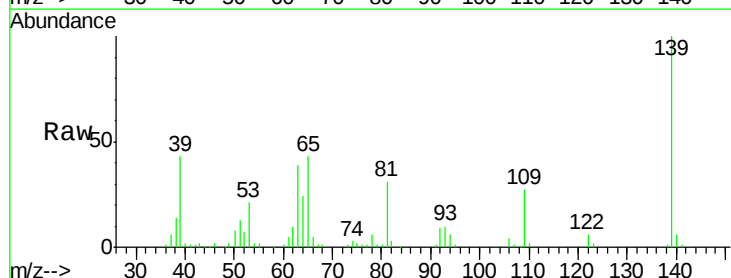
RT: 7.53 min Scan# 520

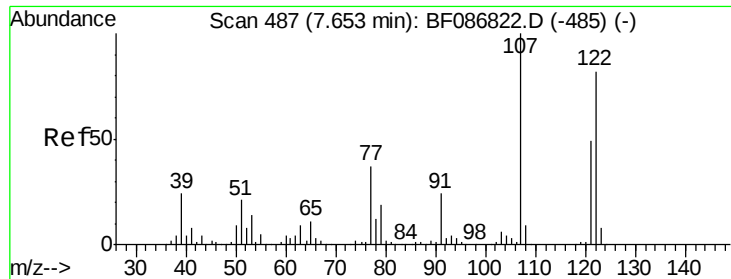
Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Tgt Ion:	139	Resp:	198769
Ion Ratio	Lower	Upper	
139	100		
109	27.4	19.5	29.3
65	43.2	37.5	56.3





#27

2,4-Dimethylphenol

Concen: 42.47 ng

RT: 7.59 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Instrument :

BNA_F

ClientSampleId :

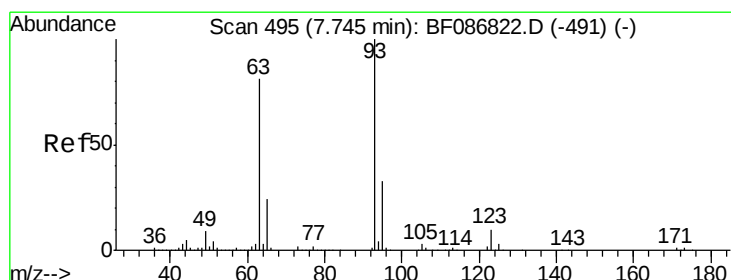
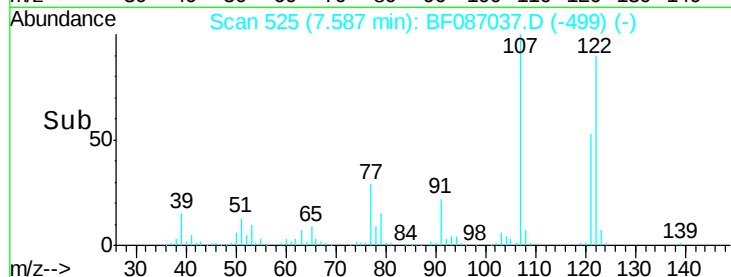
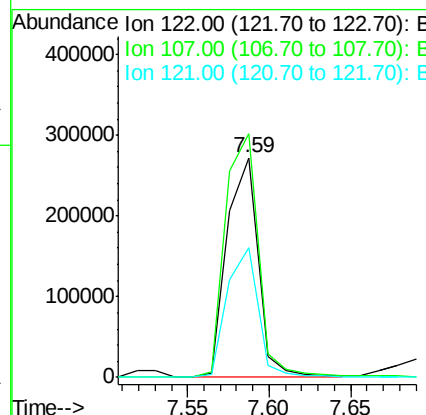
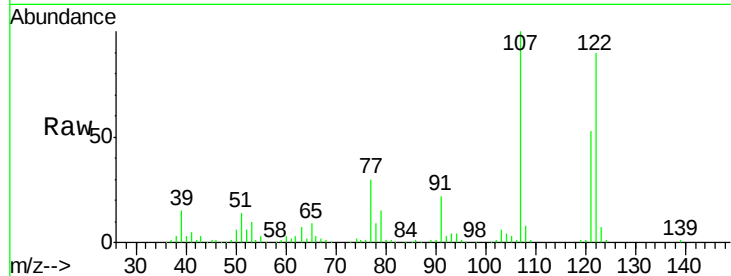
PB90490BS

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Tgt Ion:	122	Resp:	358531
Ion Ratio	Lower	Upper	
122	100		
107	110.9	82.0	123.0
121	58.8	46.1	69.1



#28

bis(2-Chloroethoxy)methane

Concen: 46.61 ng

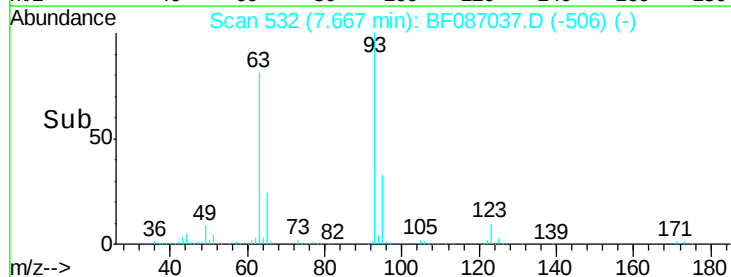
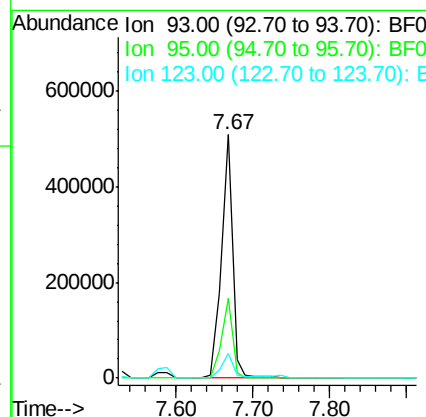
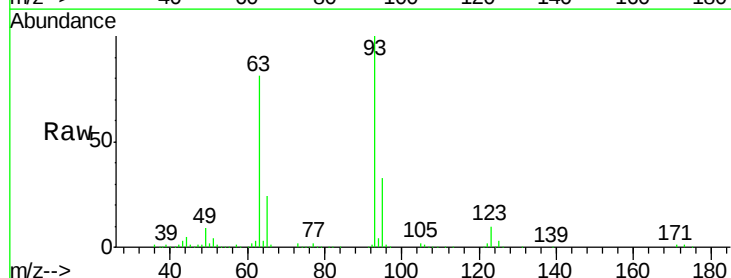
RT: 7.67 min Scan# 532

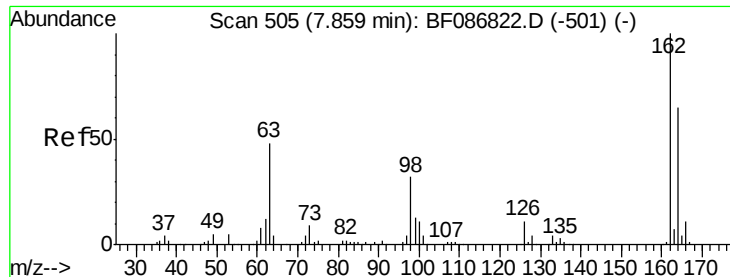
Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Tgt Ion:	93	Resp:	511319
Ion Ratio	Lower	Upper	
93	100		
95	32.8	26.0	39.0
123	10.2	9.5	14.3





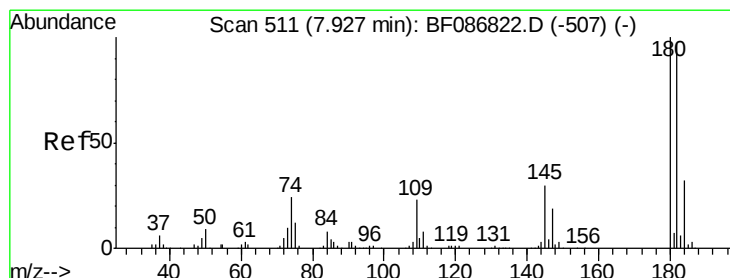
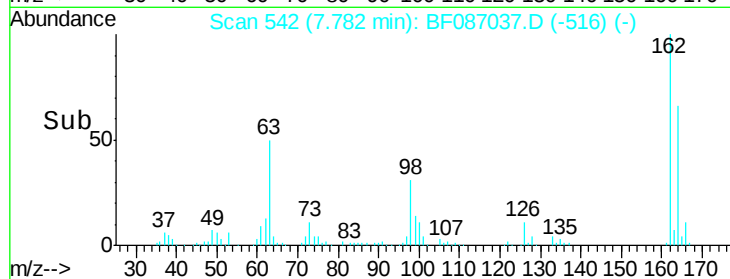
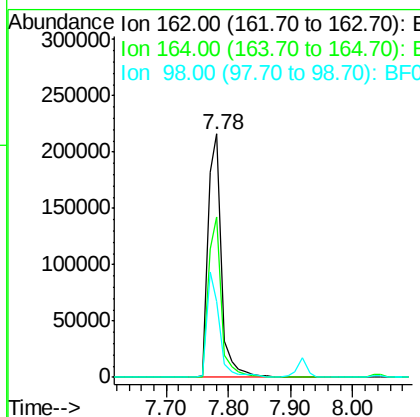
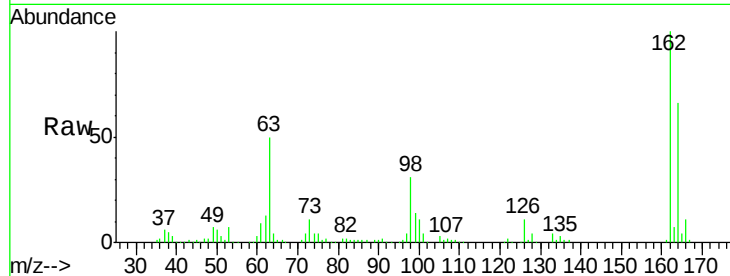
#29
 2,4-Dichlorophenol
 Concen: 43.24 ng
 RT: 7.78 min Scan# 542
 Delta R.T. 0.00 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Instrument :
 BNA_F
 ClientSampleId :
 PB90490BS

Tgt Ion:	162	Resp:	321281
Ion Ratio	Lower	Upper	
162	100		
164	65.9	42.2	82.2
98	31.2	19.0	59.0

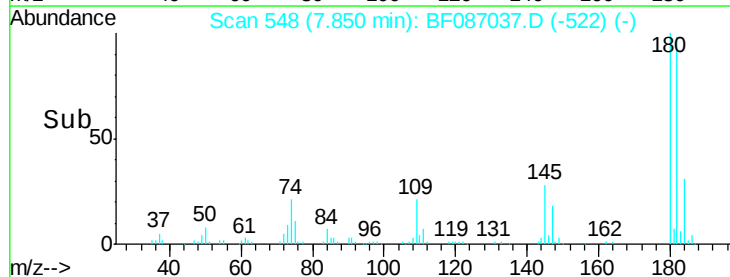
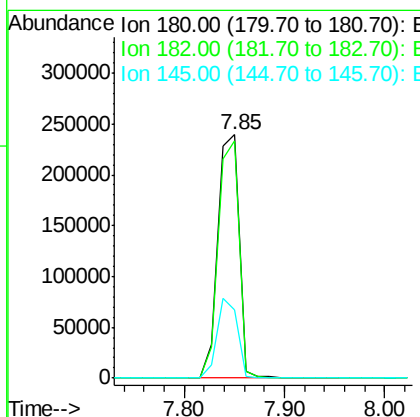
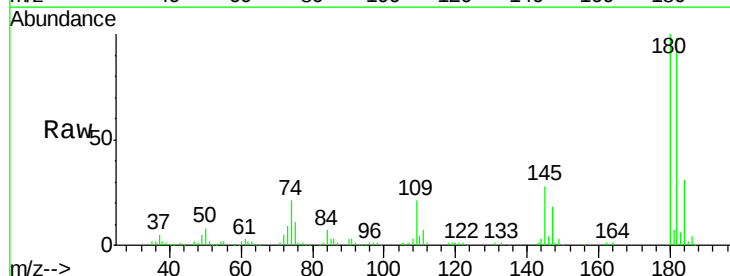
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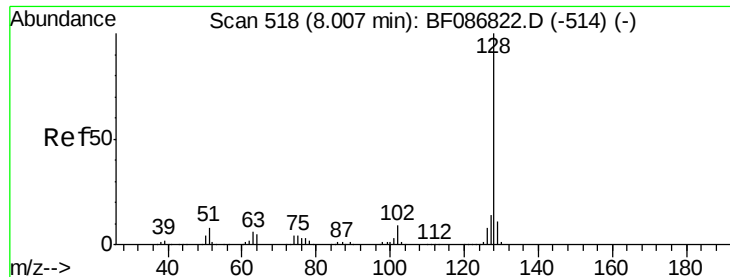
sohil
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#30
 1,2,4-Trichlorobenzene
 Concen: 42.34 ng
 RT: 7.85 min Scan# 548
 Delta R.T. 0.00 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Tgt Ion:	180	Resp:	351758
Ion Ratio	Lower	Upper	
180	100		
182	97.6	78.0	117.0
145	28.3	24.2	36.2





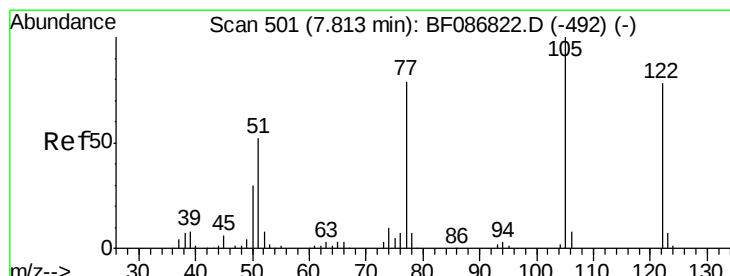
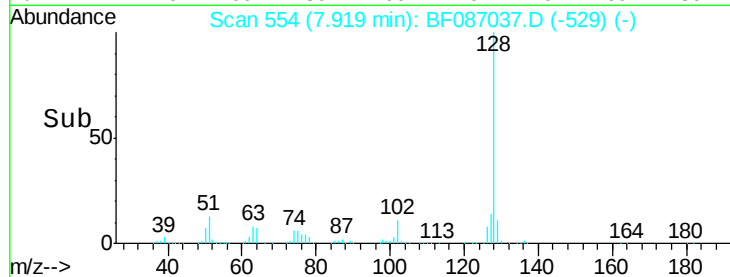
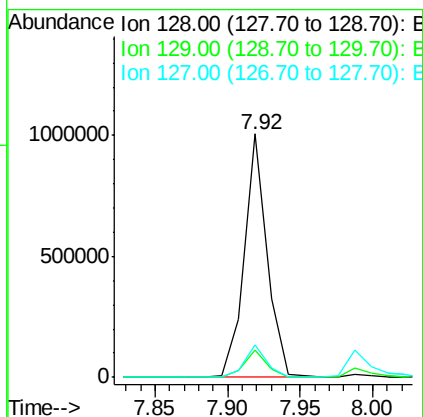
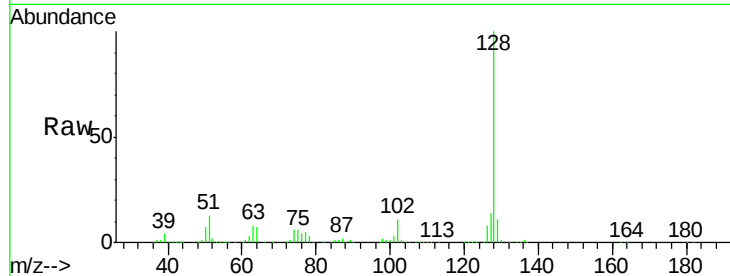
#31
Naphthalene
Concen: 39.83 ng
RT: 7.92 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Instrument :
BNA_F
ClientSampled :
PB90490BS

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	1098015		
129	11.4		8.6	13.0
127	13.5		10.8	16.2

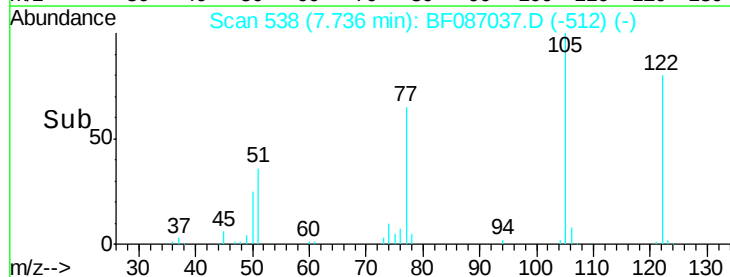
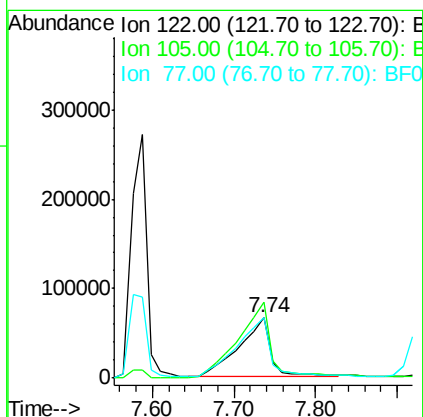
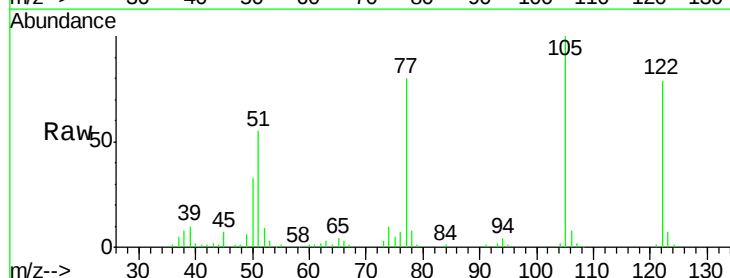
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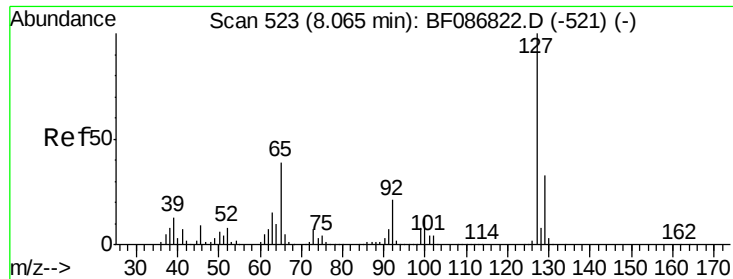
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#32
Benzoic acid
Concen: 36.02 ng
RT: 7.74 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	178627		
105	126.4		92.6	132.6
77	101.6		60.0	100.0#





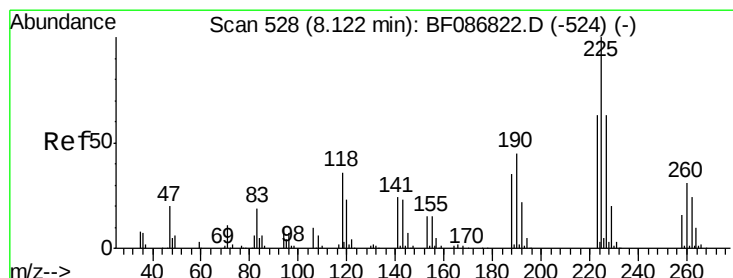
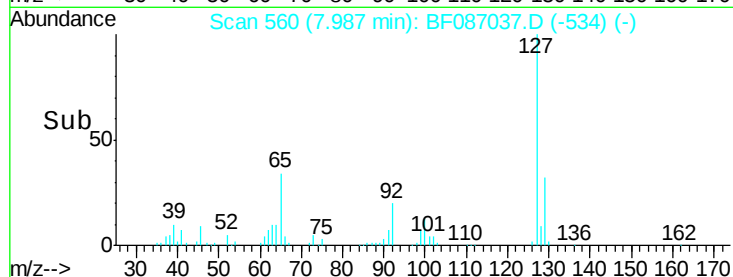
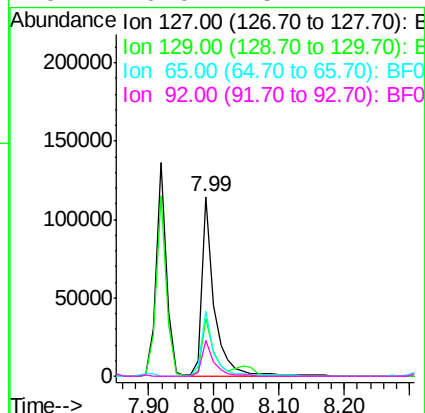
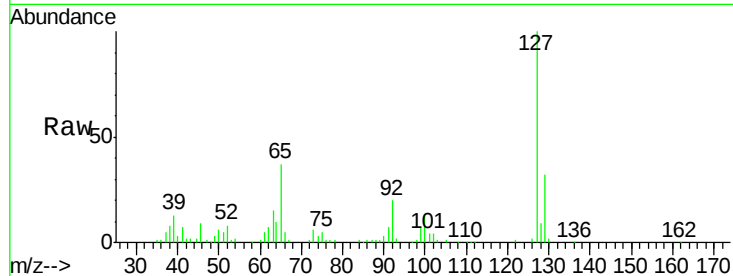
#33
4-Chloroaniline
Concen: 13.81 ng
RT: 7.99 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Instrument :
BNA_F
ClientSampleId :
PB90490BS

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	147881		
129	32.2	26.2	39.4	
65	36.6	23.0	34.4	
92	20.0	15.1	22.7	

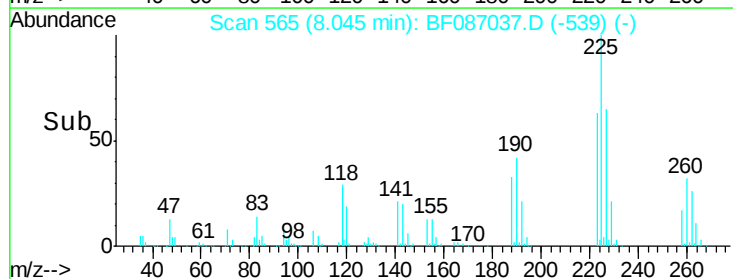
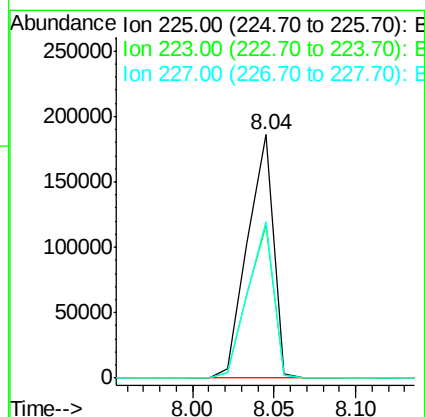
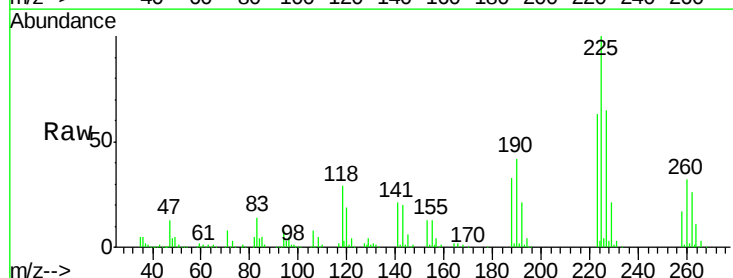
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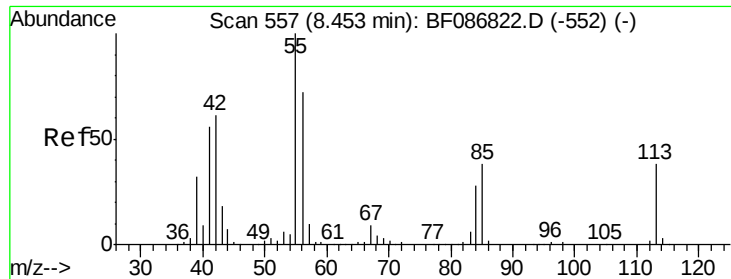
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#34
Hexachlorobutadiene
Concen: 42.67 ng
RT: 8.04 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	205706		
223	62.9	51.5	77.3	
227	64.5	52.2	78.2	





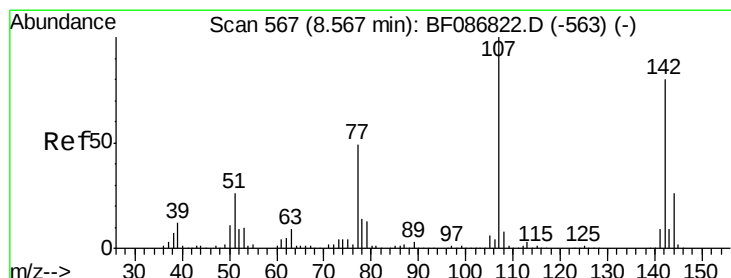
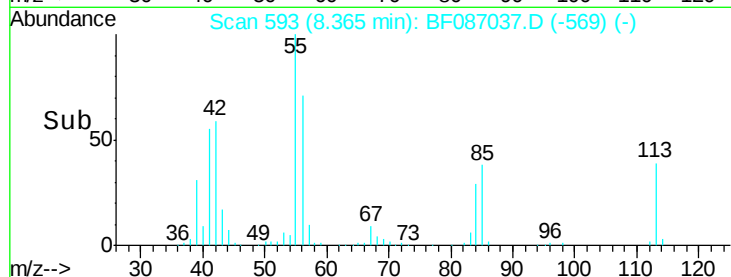
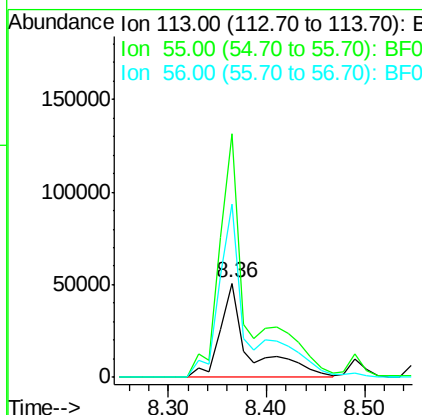
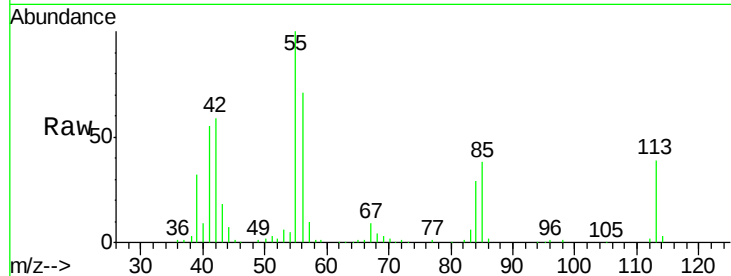
#35
 Caprolactam
 Concen: 41.69 ng m
 RT: 8.36 min Scan# 593
 Delta R.T. -0.02 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Instrument :
 BNA_F
 ClientSampleId :
 PB90490BS

Tgt Ion	Ratio	Resp	Lower	Upper
113	100			
55	259.1	162.0	202.0#	
56	183.9	115.3	155.3#	

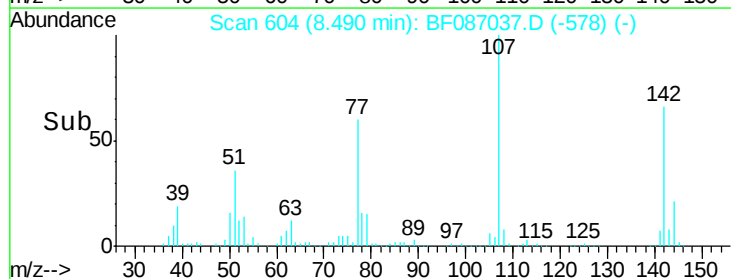
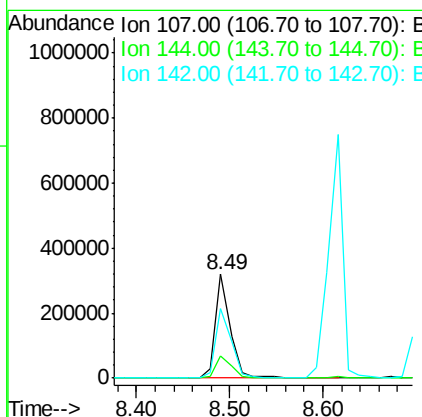
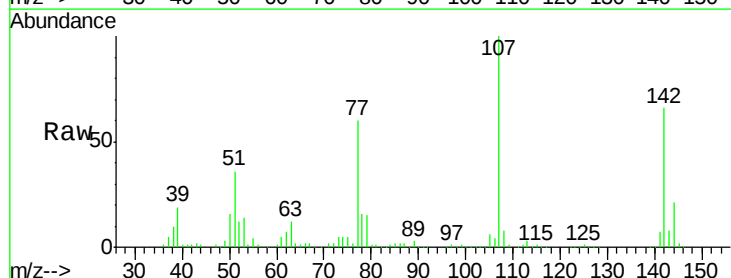
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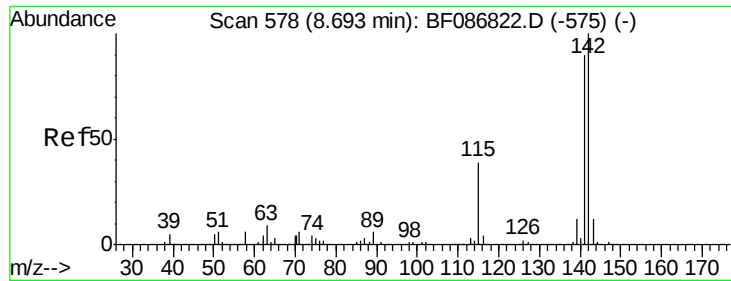
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#36
 4-Chloro-3-methylphenol
 Concen: 39.26 ng
 RT: 8.49 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
144	21.0	20.7	31.1	
142	66.3	63.2	94.8	





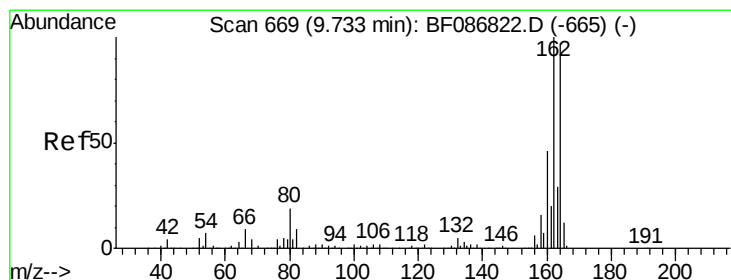
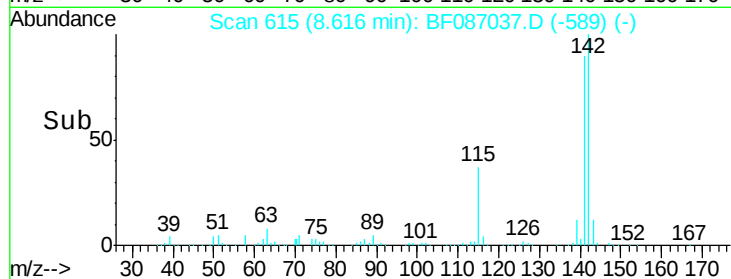
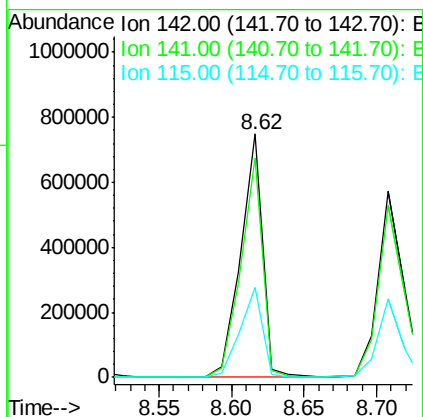
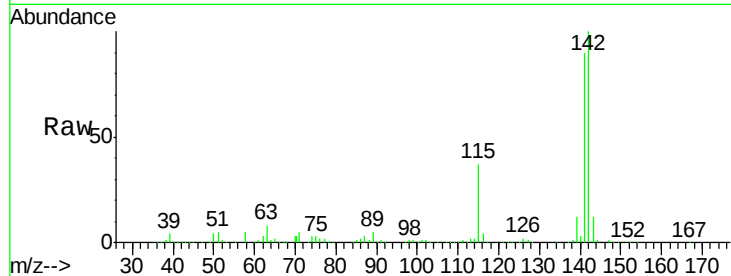
#37
 2-Methylnaphthalene
 Concen: 48.32 ng
 RT: 8.62 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Instrument :
 BNA_F
 ClientSampleId :
 PB90490BS

Tgt Ion:	142	Resp:	778647
Ion Ratio	Lower	Upper	
142	100		
141	90.1	71.0	106.6
115	36.7	26.6	39.8

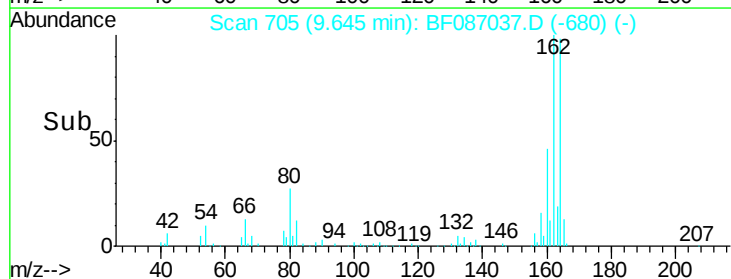
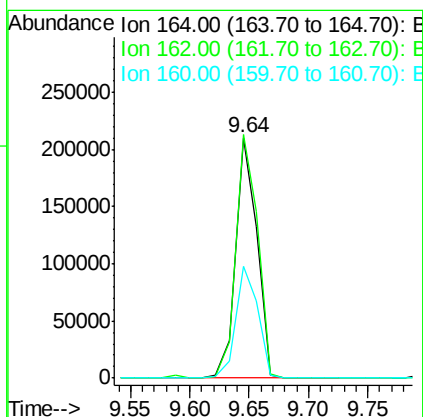
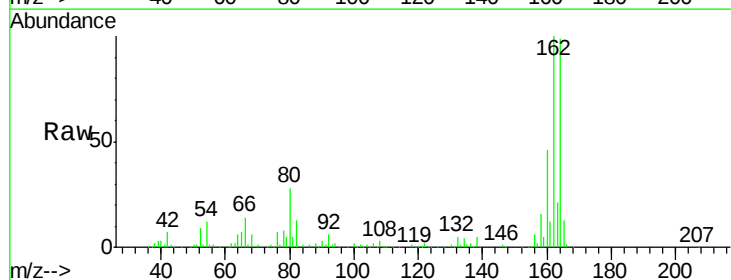
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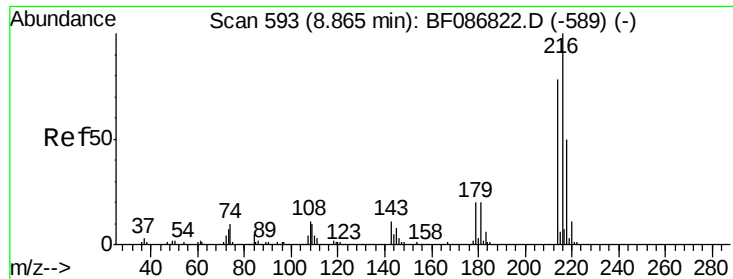
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.64 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Tgt Ion:	164	Resp:	261736
Ion Ratio	Lower	Upper	
164	100		
162	101.3	82.8	124.2
160	46.4	36.9	55.3





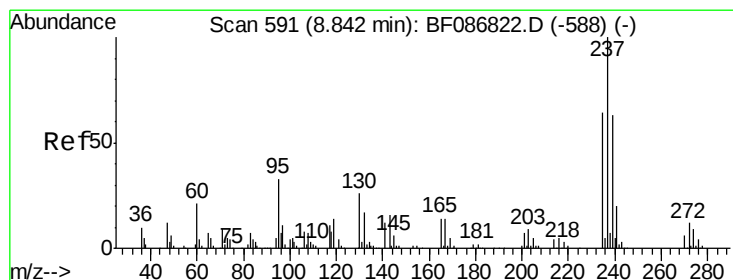
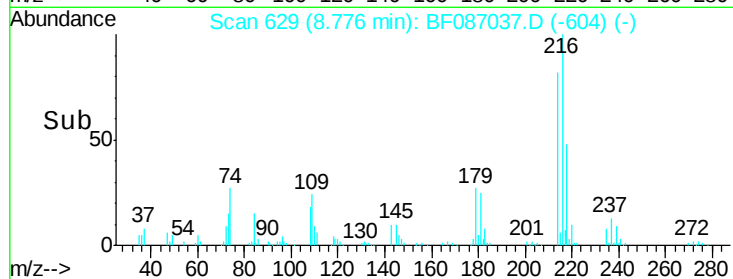
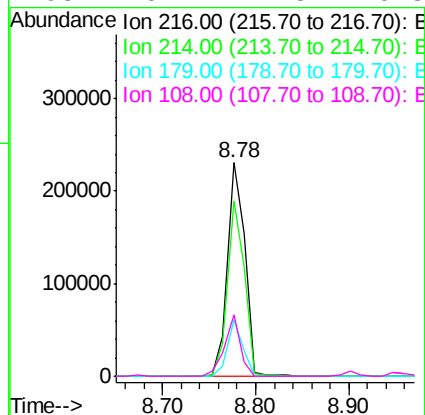
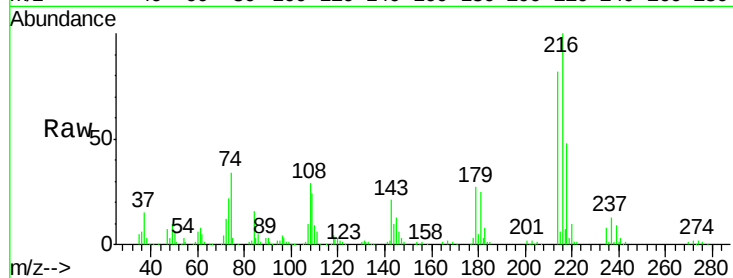
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 39.37 ng
 RT: 8.78 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Instrument :
 BNA_F
 ClientSampleId :
 PB90490BS

Manual Integrations
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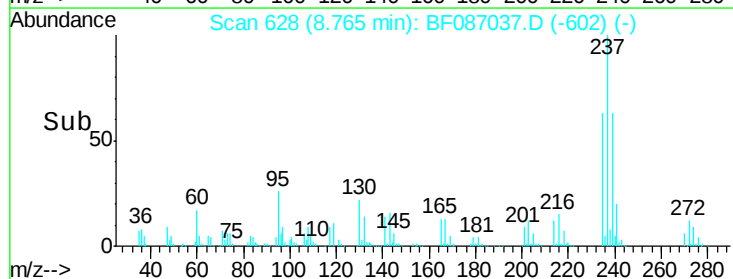
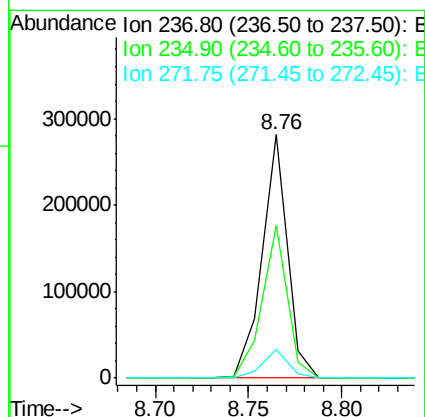
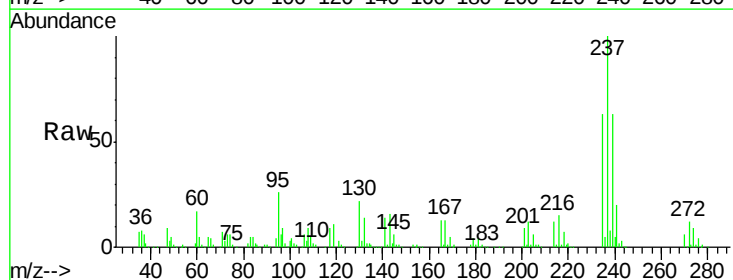
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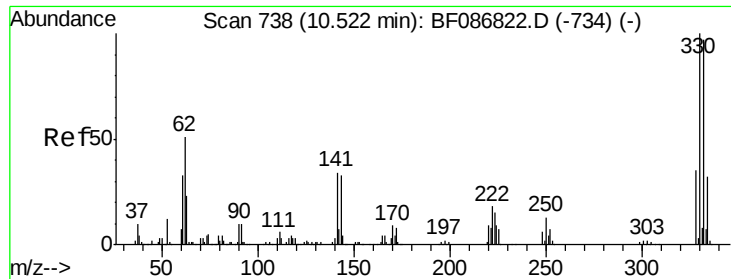
Tgt Ion	Ratio	Resp	Lower	Upper
216	100	299572		
214	80.0	62.6	93.8	
179	23.4	18.2	27.4	
108	26.2	17.5	26.3	



#40
 Hexachlorocyclopentadiene
 Concen: 72.75 ng
 RT: 8.76 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	262781		
235	62.7	47.2	87.2	
272	11.8	0.0	31.1	





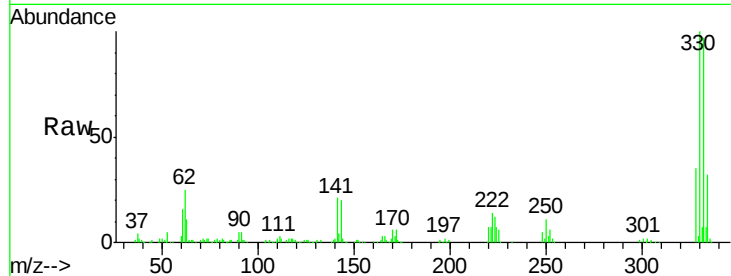
#41
 2,4,6-Tribromophenol
 Concen: 133.99 ng
 RT: 10.44 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Instrument :
 BNA_F
 ClientSampleId :
 PB90490BS

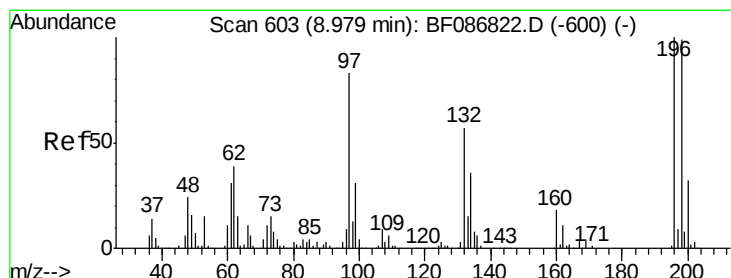
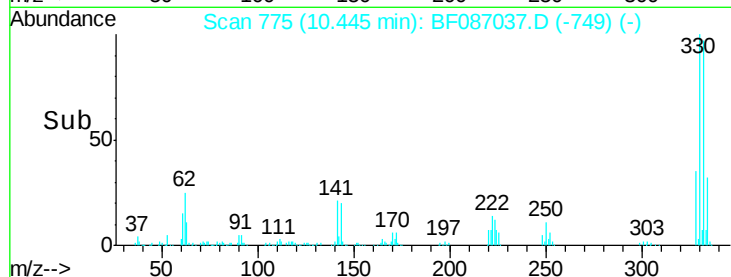
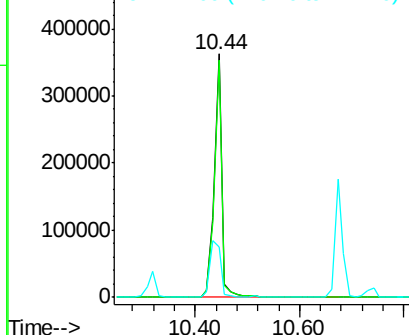
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	371262		
332	96.5	79.0	118.4	
141	33.4	31.2	46.8	

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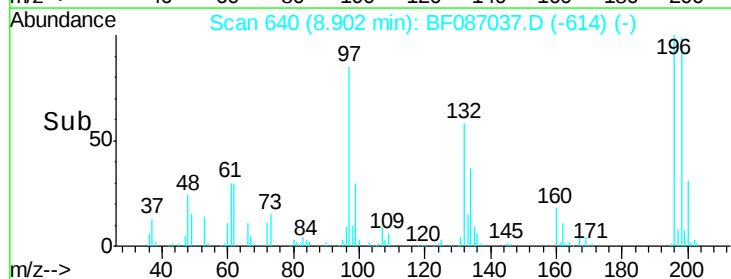
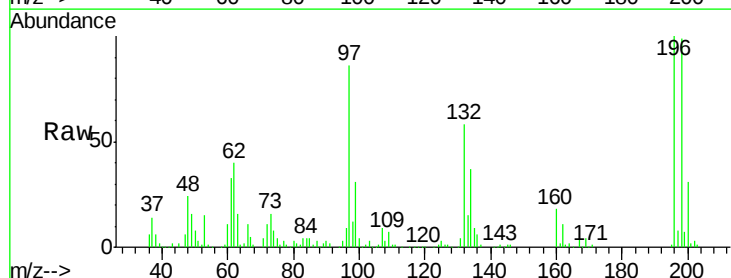
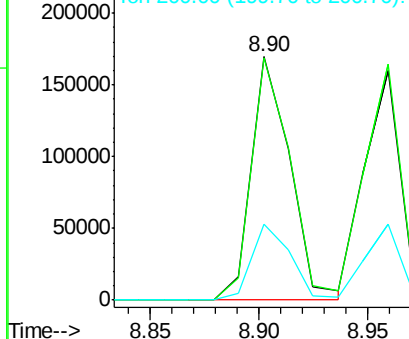
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#42
 2,4,6-Trichlorophenol
 Concen: 41.50 ng
 RT: 8.90 min Scan# 640
 Delta R.T. 0.00 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	211159		
198	99.3	74.7	112.1	
200	31.2	23.8	35.6	

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





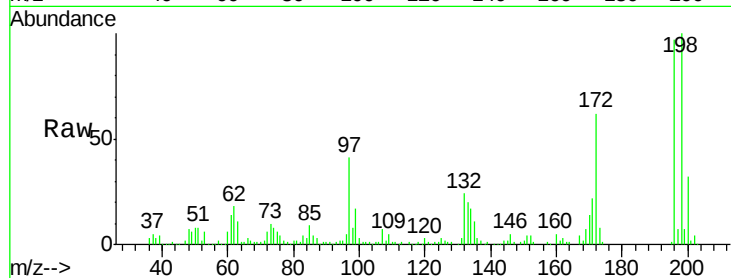
#43
 2,4,5-Trichlorophenol
 Concen: 37.66 ng
 RT: 8.96 min Scan# 645
 Delta R.T. 0.01 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Instrument :
 BNA_F
 ClientSampleId :
 PB90490BS

Tgt Ion	Resp	Lower	Upper
196	100		
198	102.9	77.5	116.3
97	41.9	34.8	52.2
132	25.2	23.0	34.4

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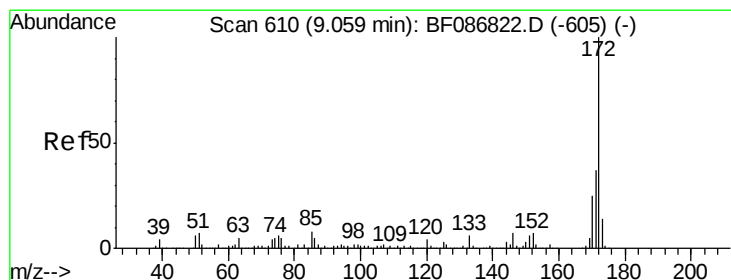
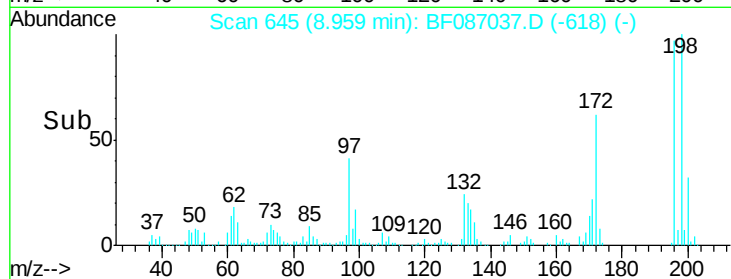
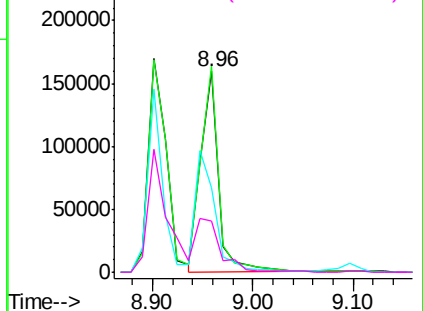
Abundance

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: 90.87 ng
 RT: 8.98 min Scan# 647
 Delta R.T. 0.00 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

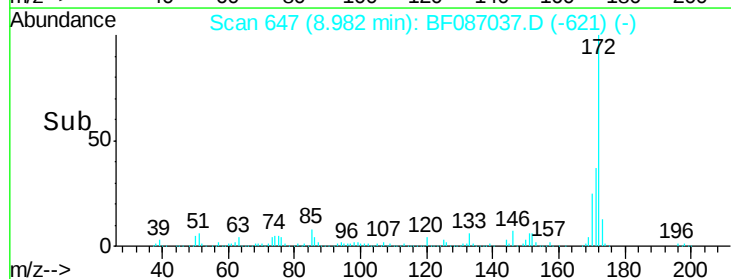
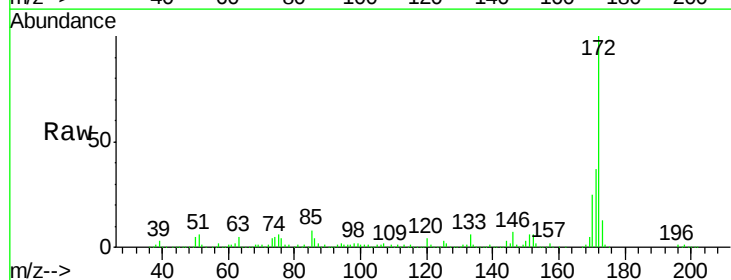
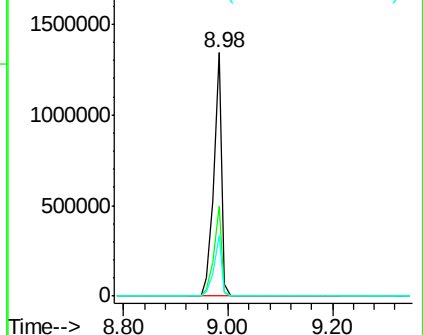
Tgt Ion	Resp	Lower	Upper
172	100		
171	36.9	29.0	43.6
170	24.9	19.8	29.8

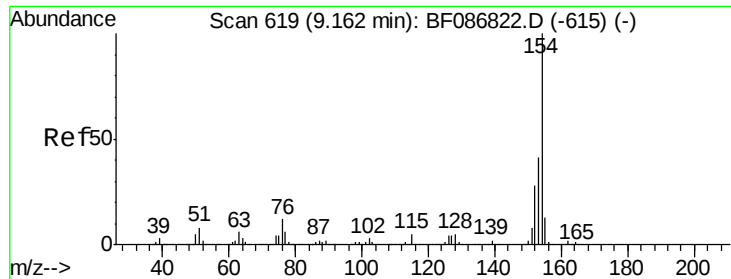
Abundance

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





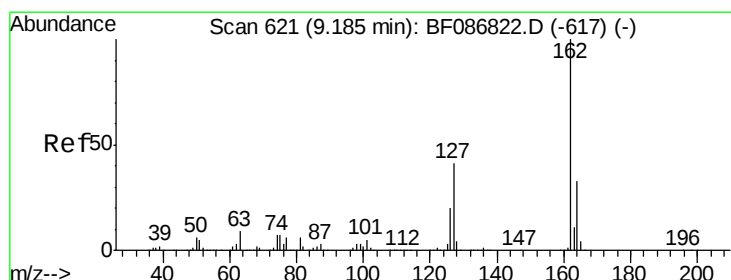
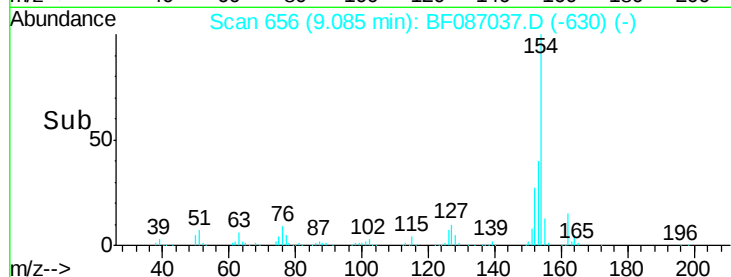
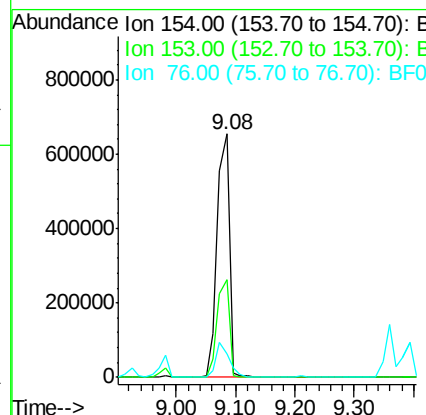
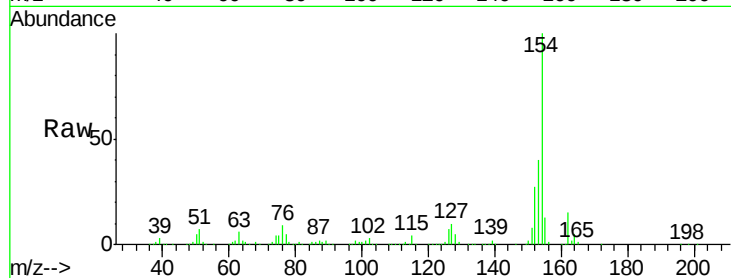
#45
 1,1'-Biphenyl
 Concen: 44.85 ng
 RT: 9.08 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Instrument :
 BNA_F
 ClientSampleId :
 PB90490BS

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	933790		
153	40.2	20.3	60.3	
76	9.5	0.0	30.2	

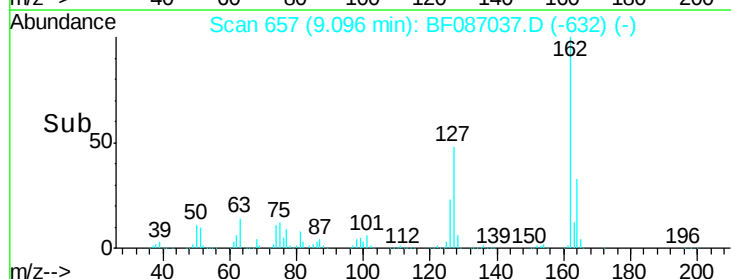
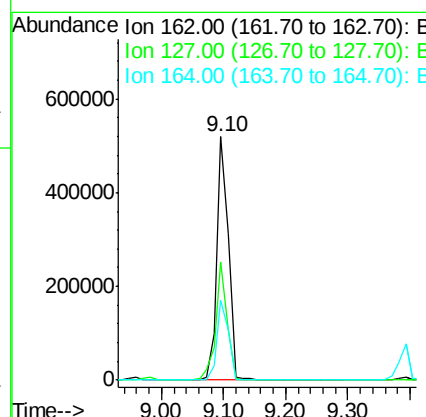
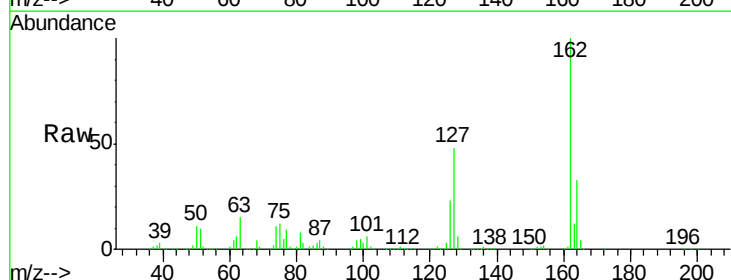
Manual Integrations
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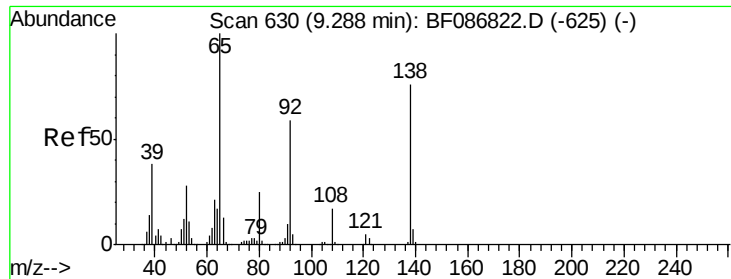
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#46
 2-Chloronaphthalene
 Concen: 40.28 ng
 RT: 9.10 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	656941		
127	48.3	31.8	47.6#	
164	32.6	27.0	40.6	





#47

2-Nitroaniline

Concen: 45.93 ng

RT: 9.21 min Scan# 667

Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Instrument :

BNA_F

ClientSampleId :

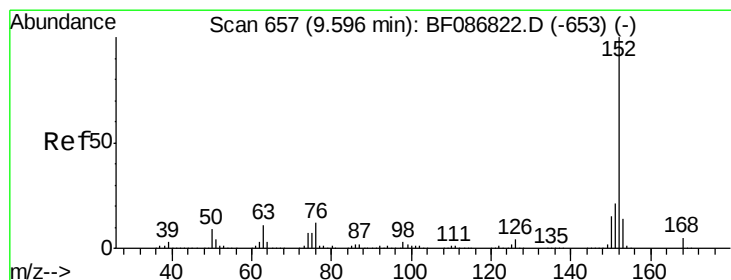
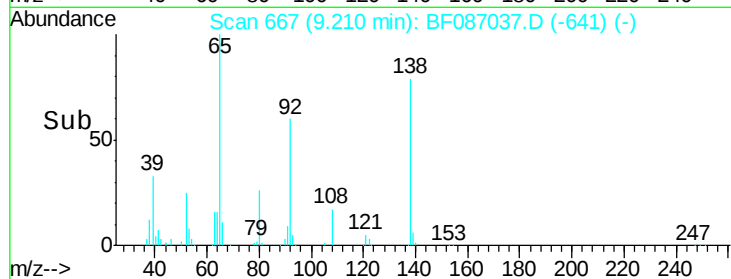
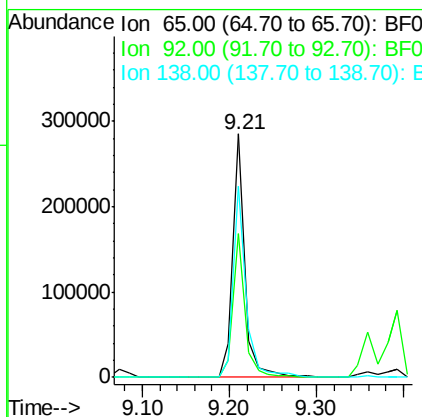
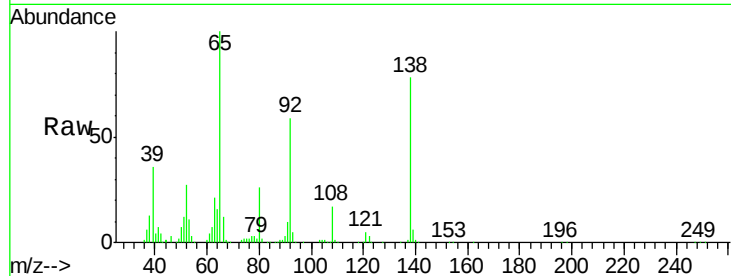
PB90490BS

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Tgt Ion	Ratio	Lower	Upper
65	100		
92	59.0	57.4	86.2
138	78.5	90.1	135.1#



#48

Acenaphthylene

Concen: 42.90 ng

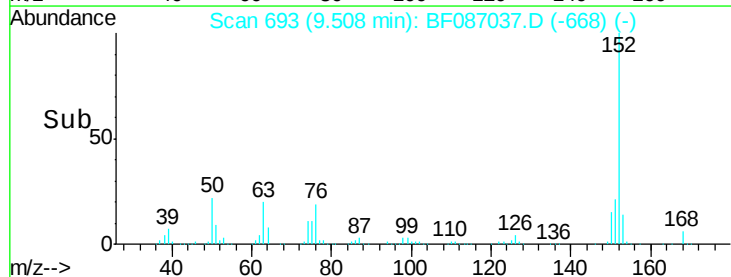
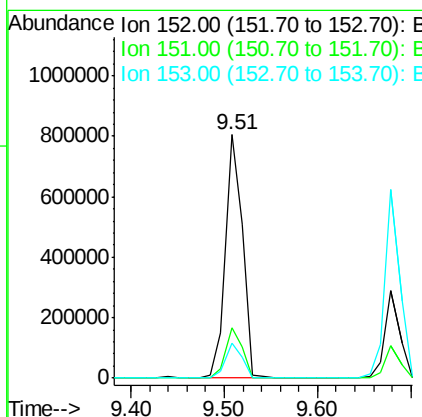
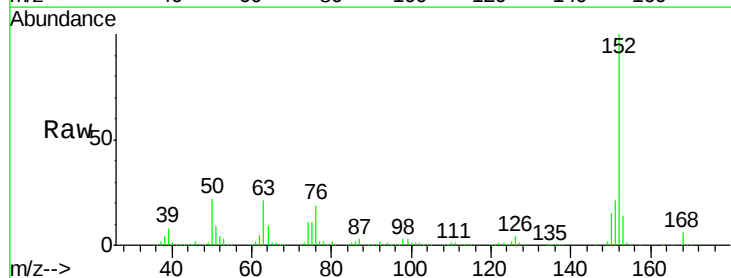
RT: 9.51 min Scan# 693

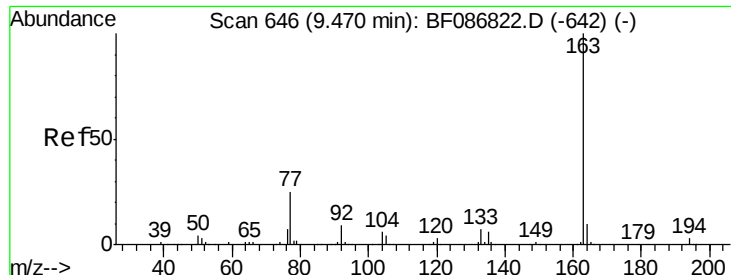
Delta R.T. -0.01 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

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





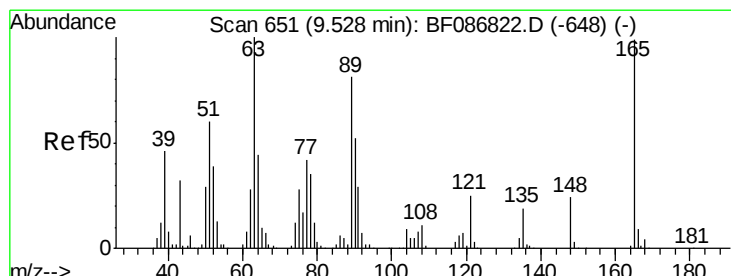
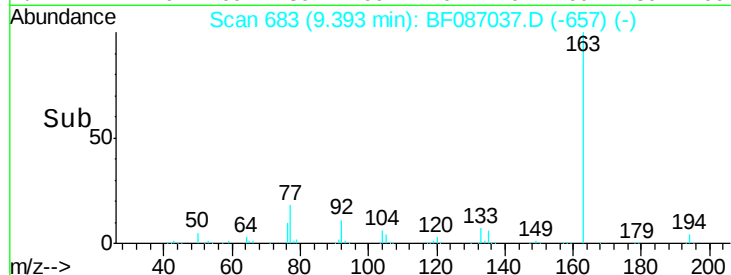
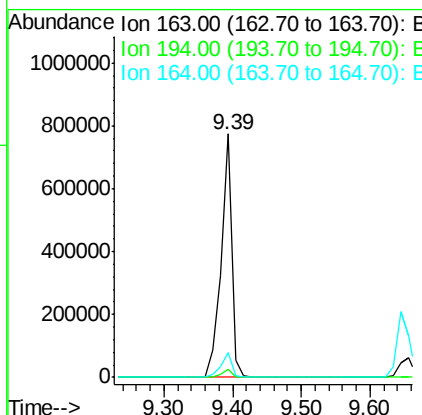
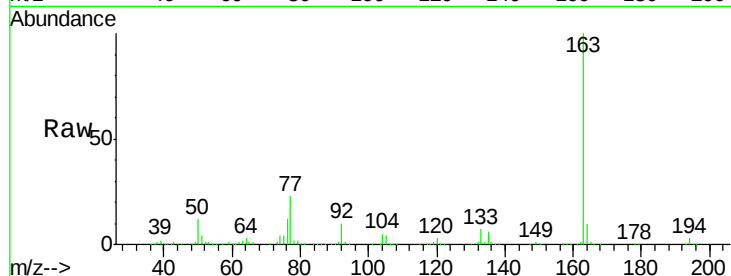
#49
Dimethylphthalate
Concen: 43.05 ng
RT: 9.39 min Scan# 683
Delta R.T. 0.00 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Instrument :
BNA_F
ClientSampleId :
PB90490BS

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	859643		
194	3.2	2.6	4.0	
164	10.1	8.2	12.4	

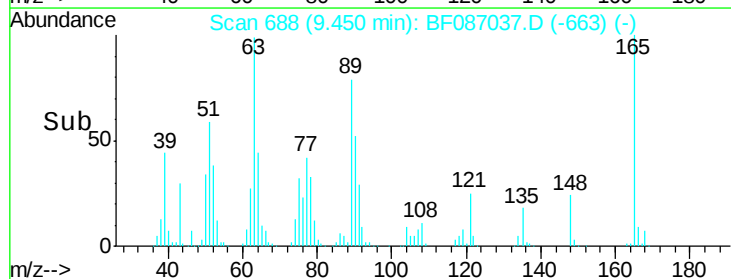
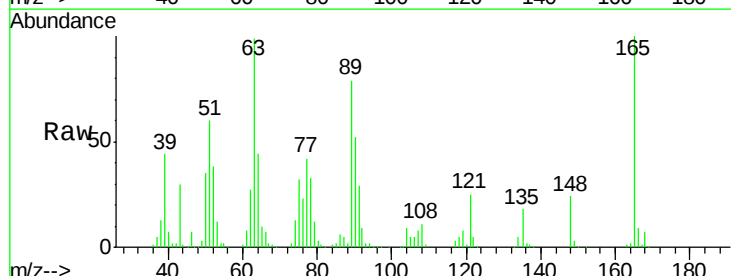
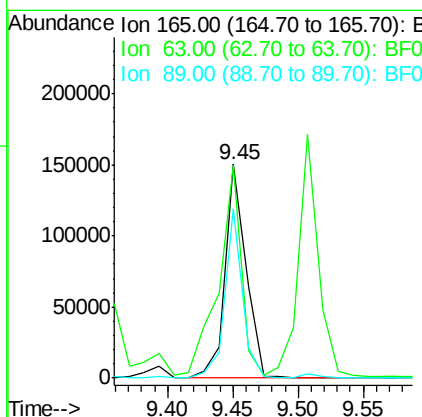
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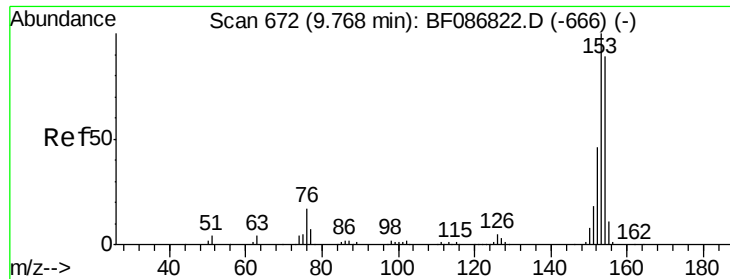
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#50
2,6-Dinitrotoluene
Concen: 39.79 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	167232		
63	99.4	51.8	77.8#	
89	79.3	50.7	76.1#	





#51

Acenaphthene

Concen: 41.43 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Instrument :

BNA_F

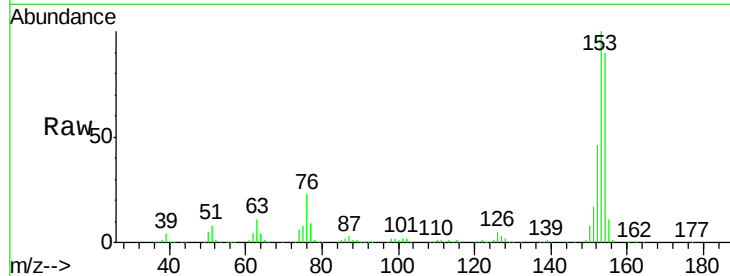
ClientSampleId :

PB90490BS

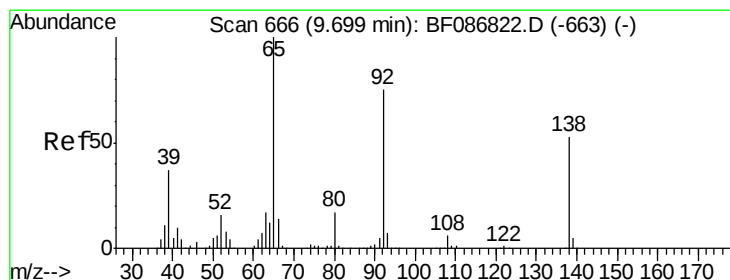
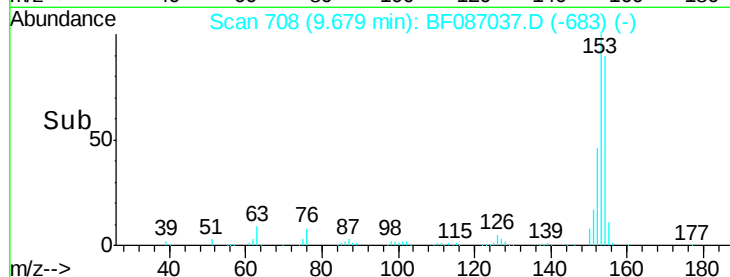
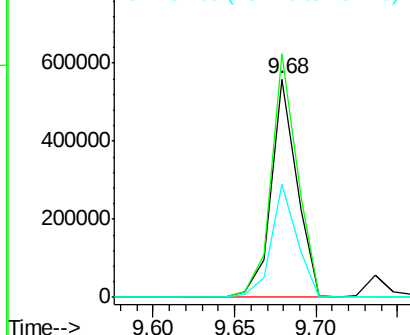
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Tgt Ion:	154	Resp:	618339
Ion Ratio	Lower	Upper	
154	100		
153	111.6	89.8	134.6
152	51.6	43.4	65.0



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



#52

3-Nitroaniline

Concen: 22.53 ng

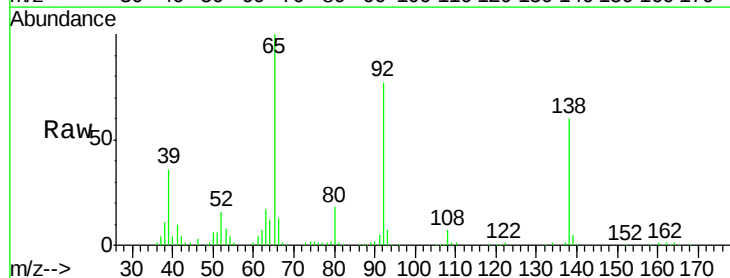
RT: 9.62 min Scan# 703

Delta R.T. -0.01 min

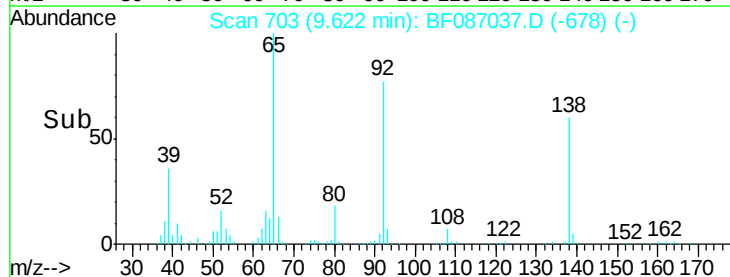
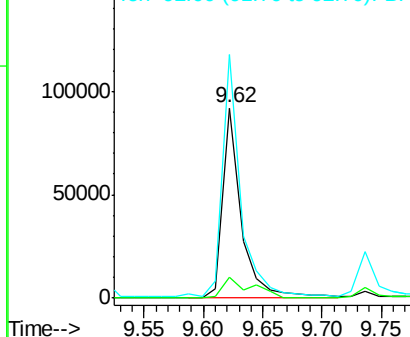
Lab File: BF087037.D

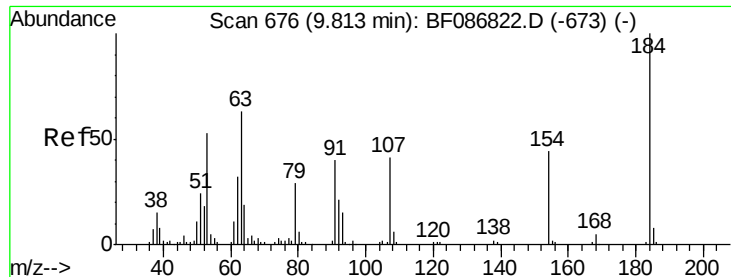
Acq: 14 May 2016 23:34

Tgt Ion:	138	Resp:	99678
Ion Ratio	Lower	Upper	
138	100		
108	11.3	7.8	11.6
92	128.2	87.8	131.8



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





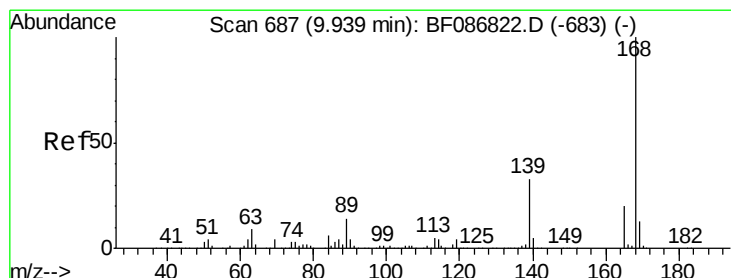
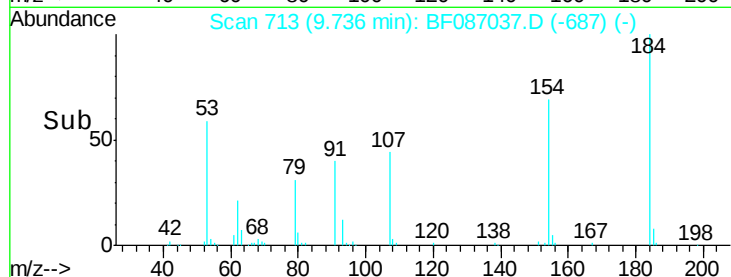
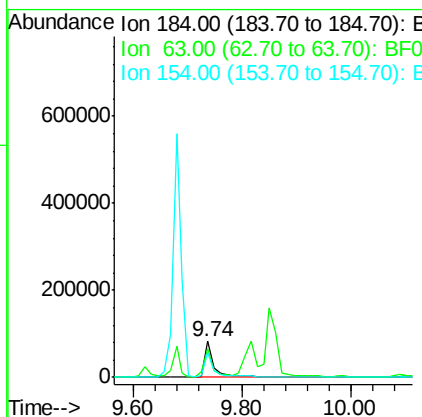
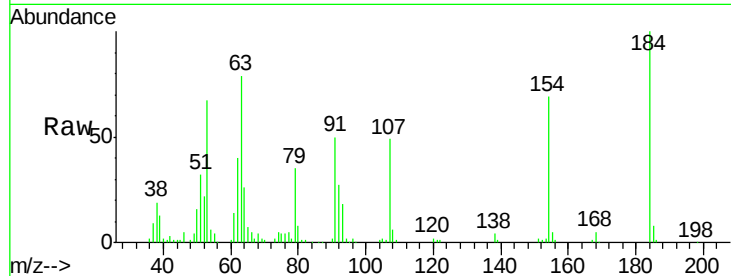
#53
2,4-Dinitrophenol
Concen: 50.89 ng
RT: 9.74 min Scan# 713
Delta R.T. 0.00 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Instrument :
BNA_F
ClientSampleId :
PB90490BS

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	102631		
63	79.0	55.8	83.8	
154	68.8	62.4	93.6	

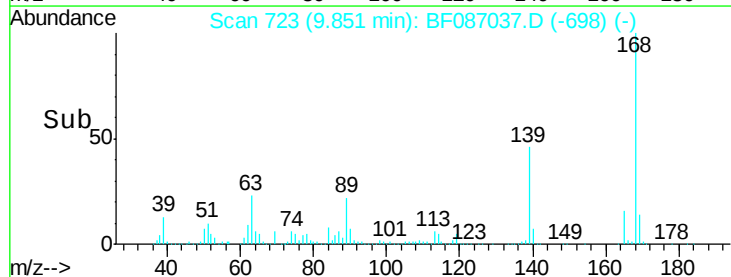
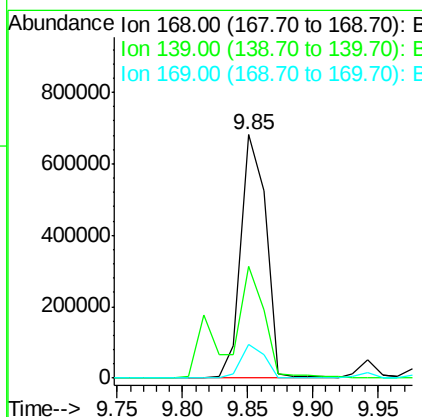
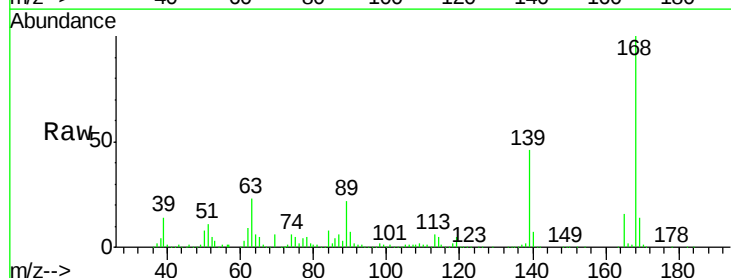
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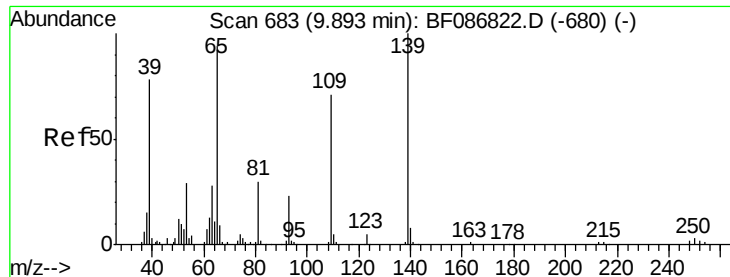
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#54
Dibenzofuran
Concen: 47.49 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	909780		
139	46.0	31.4	47.0	
169	13.8	10.7	16.1	





#55

4-Nitrophenol

Concen: 58.18 ng m

RT: 9.82 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Instrument :

BNA_F

ClientSampleId :

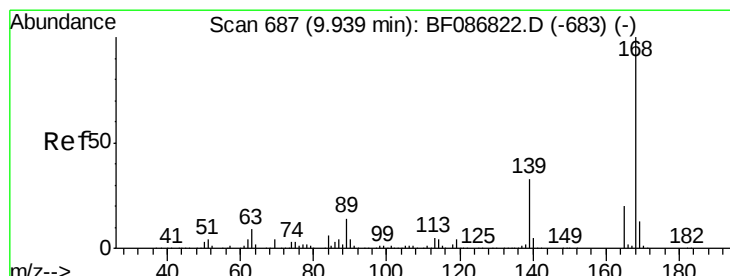
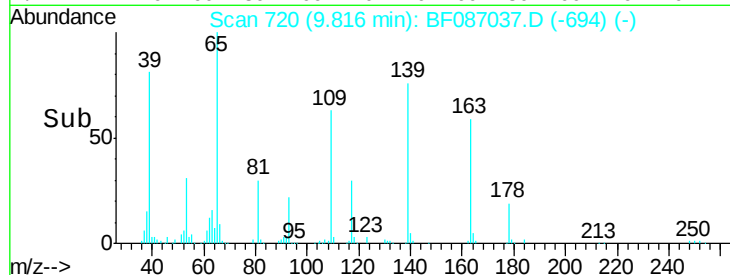
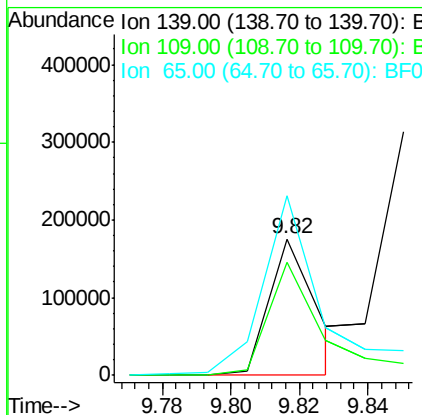
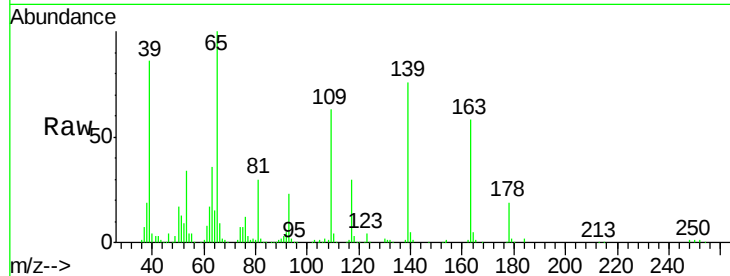
PB90490BS

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Tgt Ion:	139	Resp:	167746
Ion Ratio	Lower	Upper	
139	100		
109	82.6	36.9	76.9#
65	132.1	64.0	104.0#



#56

2,4-Dinitrotoluene

Concen: 45.68 ng

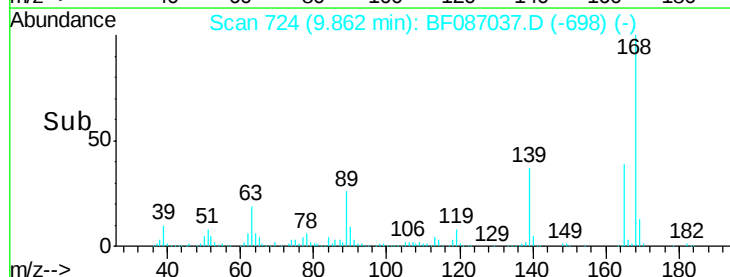
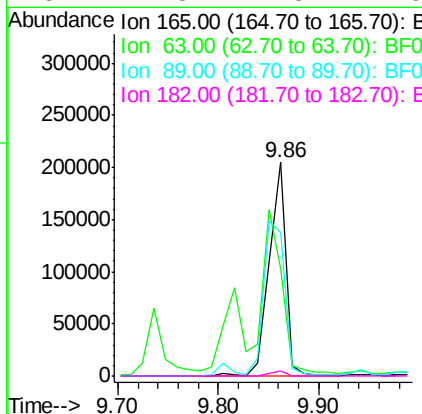
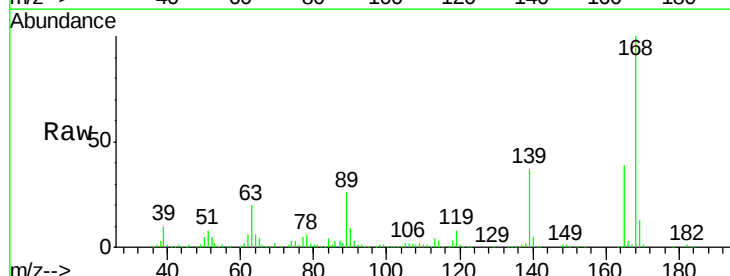
RT: 9.86 min Scan# 724

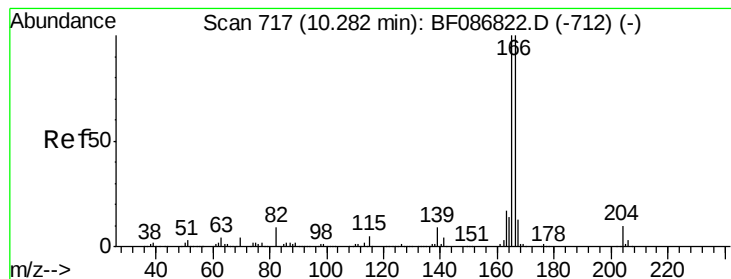
Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Tgt Ion:	165	Resp:	237556
Ion Ratio	Lower	Upper	
165	100		
63	50.1	44.3	66.5
89	67.1	70.0	105.0#
182	2.3	1.8	2.6





#57

Fluorene

Concen: 40.48 ng

RT: 10.19 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Instrument :

BNA_F

ClientSampleId :

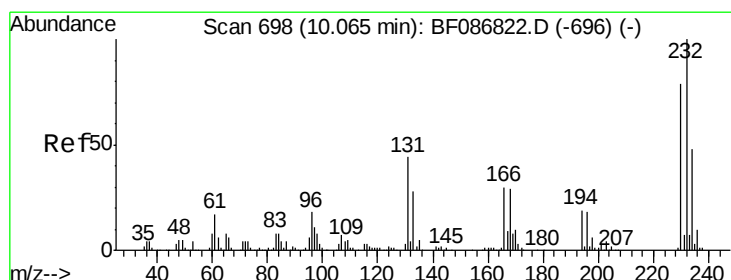
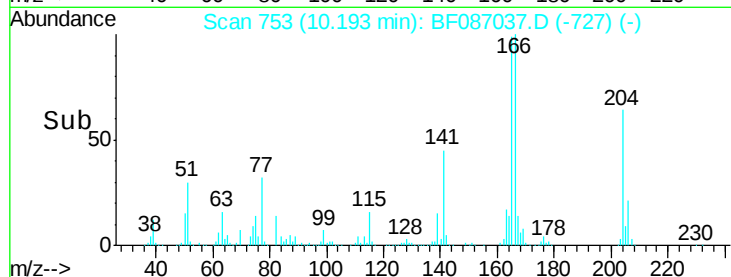
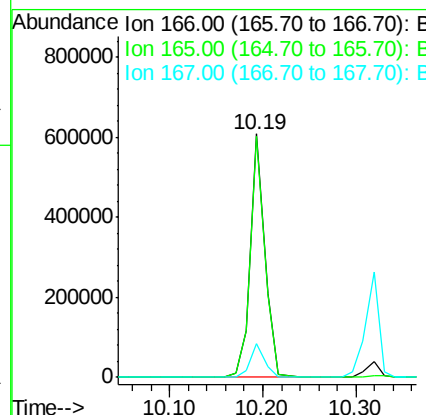
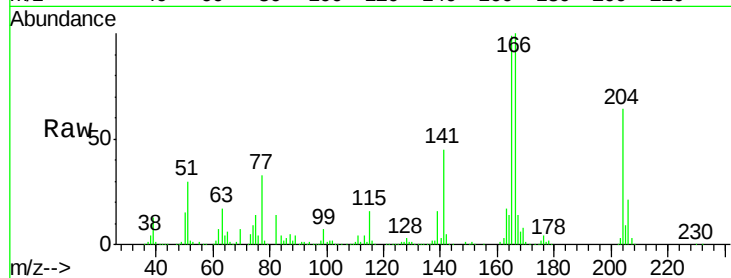
PB90490BS

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Tgt Ion	Ratio	Resp	Lower	Upper
166	100	661304		
165	99.0	79.0	118.6	
167	13.7	10.6	15.8	



#58

2,3,4,6-Tetrachlorophenol

Concen: 47.62 ng

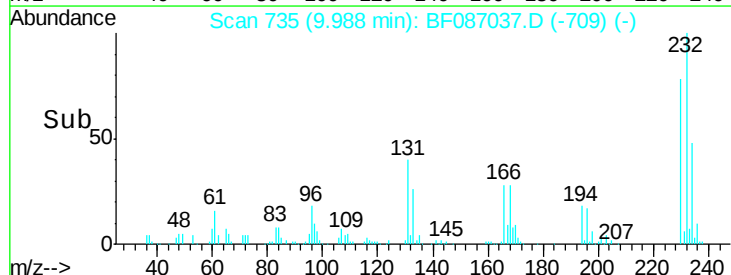
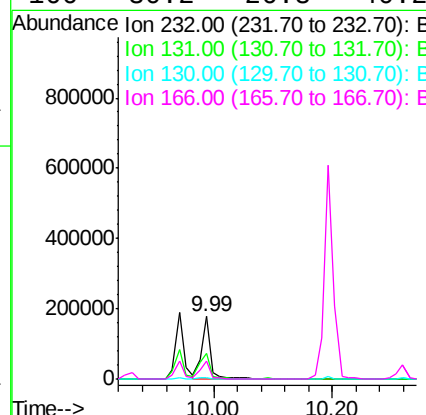
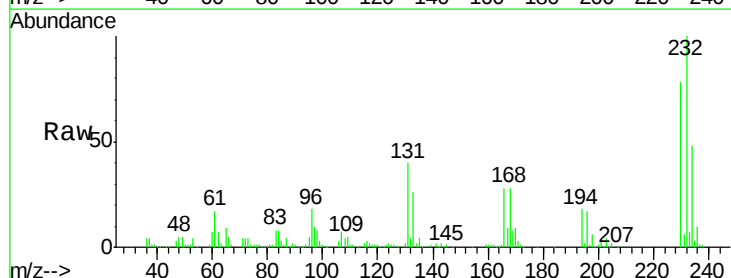
RT: 9.99 min Scan# 735

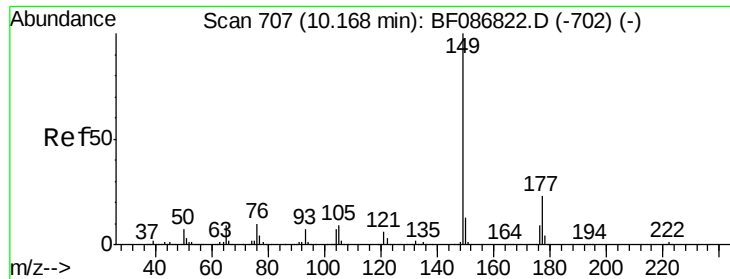
Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	188684		
131	49.0	41.9	62.9	
130	2.5	2.2	3.4	
166	30.2	26.8	40.2	





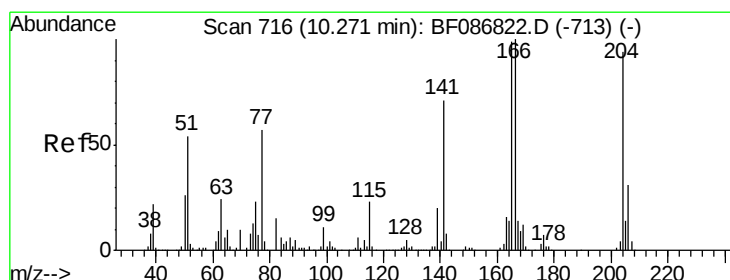
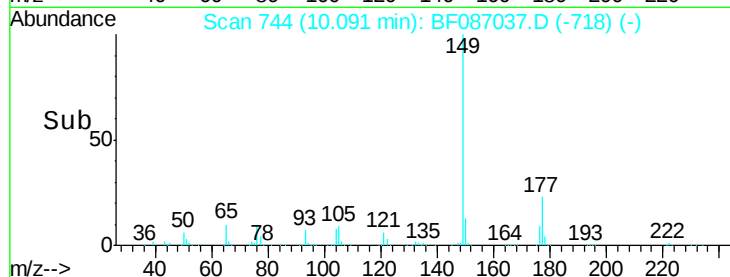
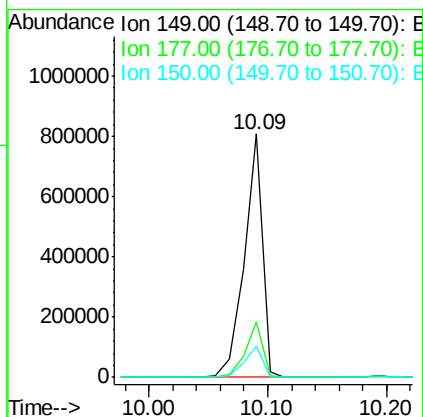
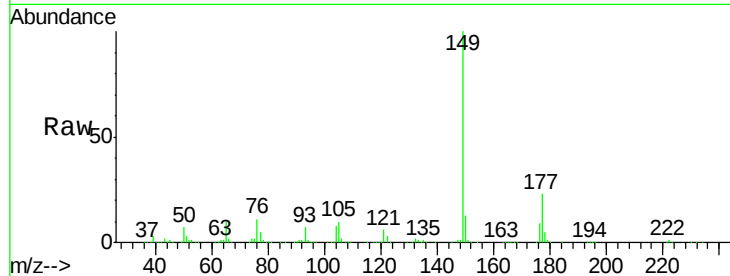
#59
Diethylphthalate
Concen: 44.18 ng
RT: 10.09 min Scan# 744
Delta R.T. 0.00 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Instrument :
BNA_F
ClientSampled :
PB90490BS

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	859790		
177	22.8	16.6	24.8	
150	12.6	10.0	15.0	

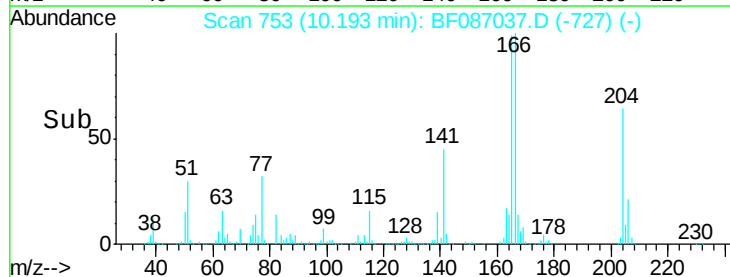
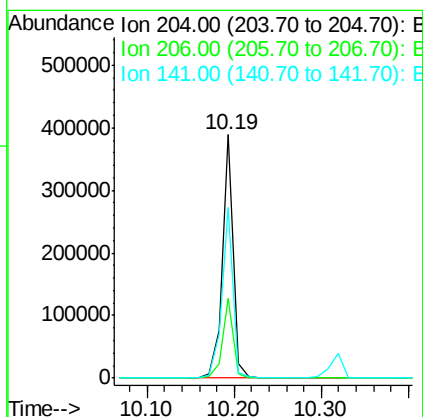
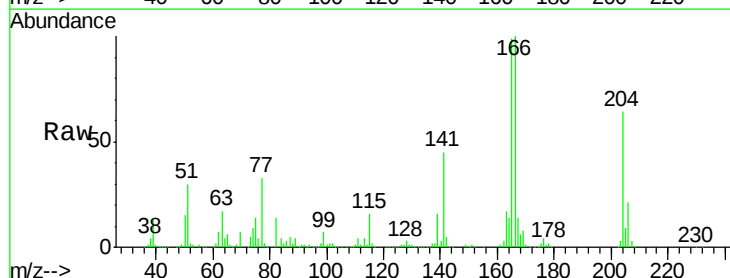
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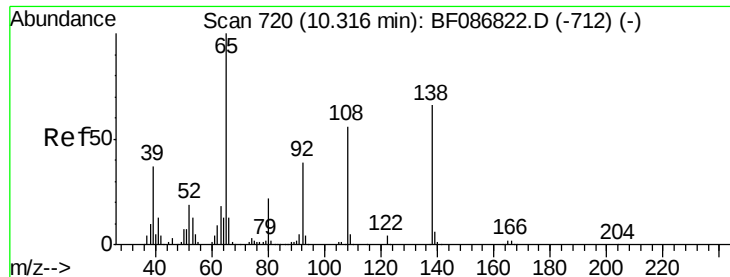
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#60
4-Chlorophenyl-phenylether
Concen: 49.73 ng
RT: 10.19 min Scan# 753
Delta R.T. 0.00 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	344406		
206	32.9	25.4	38.0	
141	70.3	61.6	92.4	





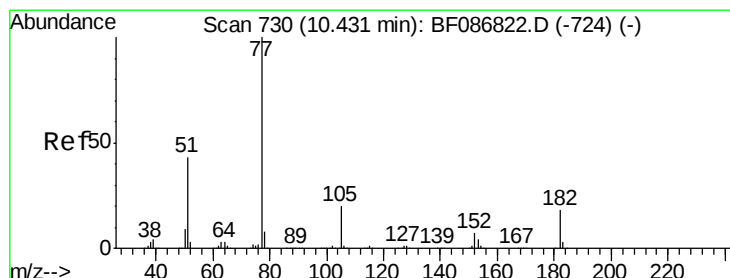
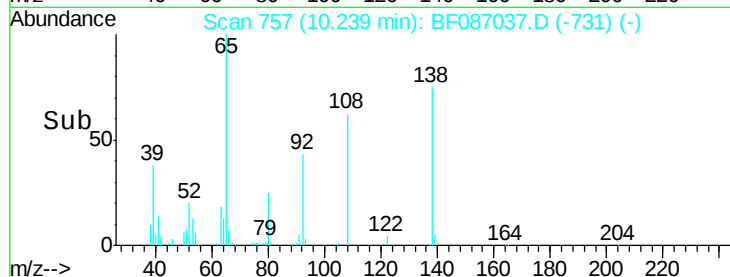
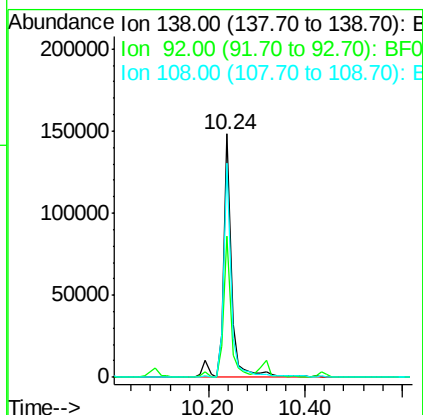
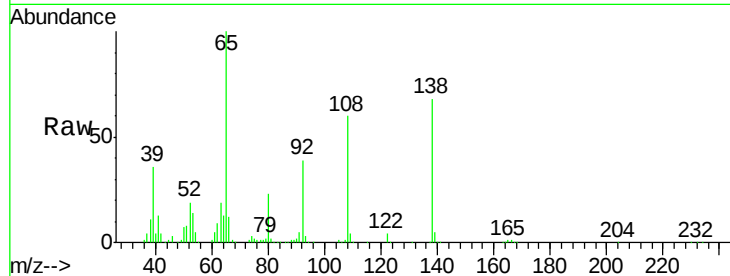
#61
4-Nitroaniline
Concen: 41.29 ng
RT: 10.24 min Scan# 757
Delta R.T. 0.00 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Instrument :
BNA_F
ClientSampleId :
PB90490BS

Tgt Ion	Ratio	Lower	Upper
138	100		
92	57.9	24.7	64.7
108	88.1	37.4	77.4#

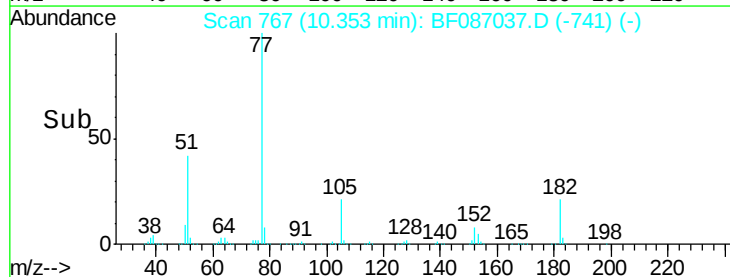
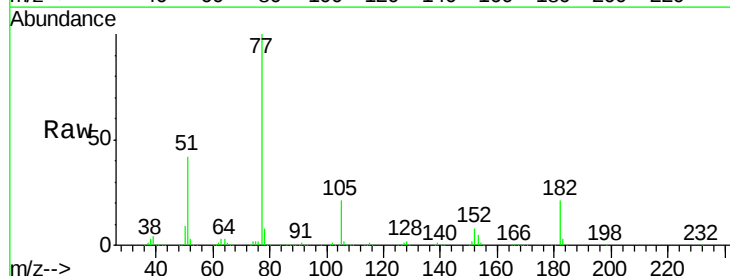
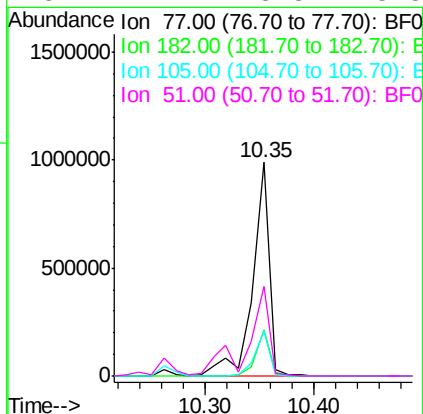
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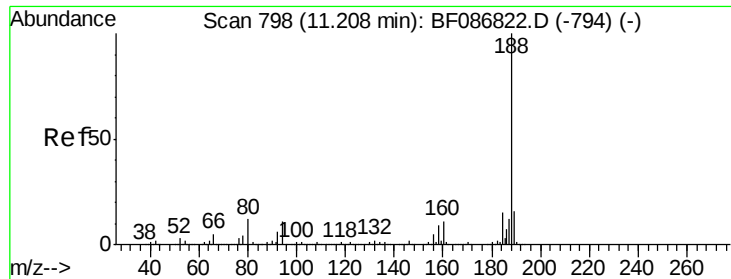
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#62
Azobenzene
Concen: 49.93 ng
RT: 10.35 min Scan# 767
Delta R.T. 0.00 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Lower	Upper
77	100		
182	21.3	0.0	38.8
105	21.0	3.2	43.2
51	42.2	8.8	48.8





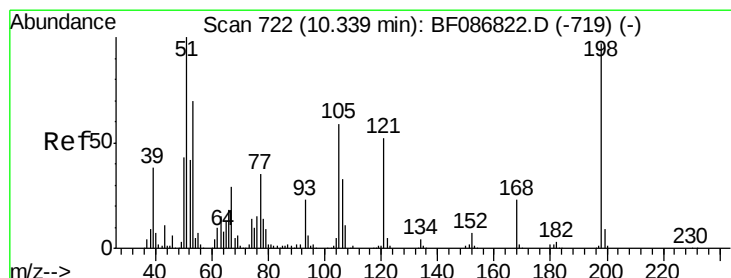
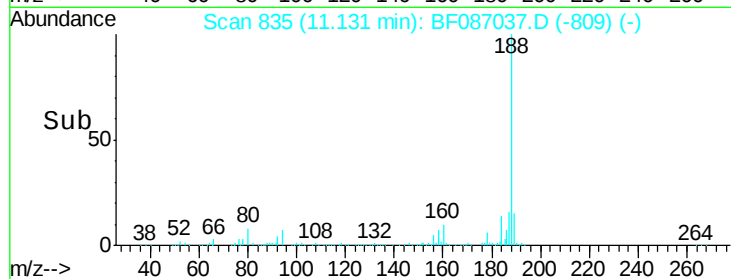
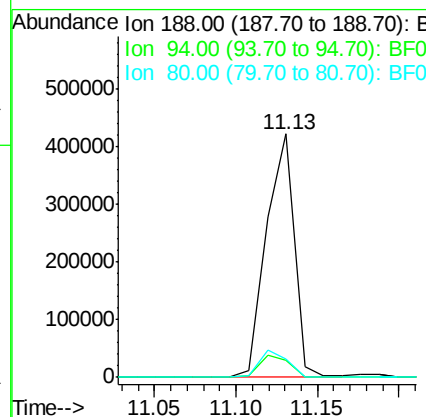
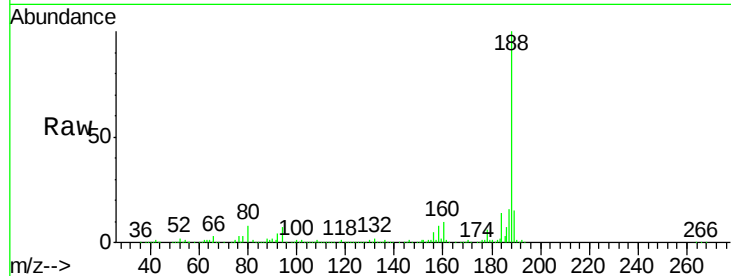
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. 0.00 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Instrument :
BNA_F
ClientSampleId :
PB90490BS

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	502673		
94	7.2	6.8	10.2	
80	7.7	7.1	10.7	

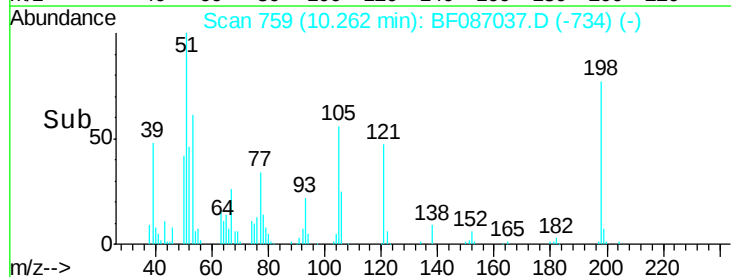
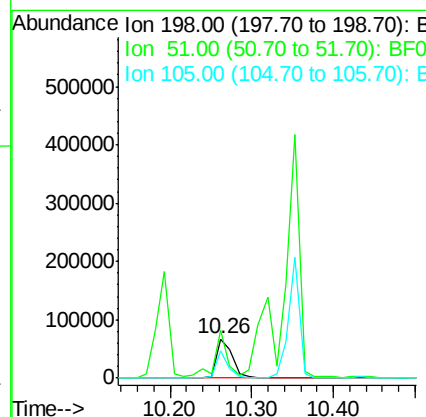
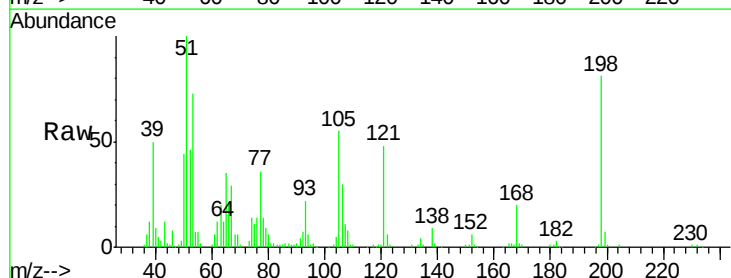
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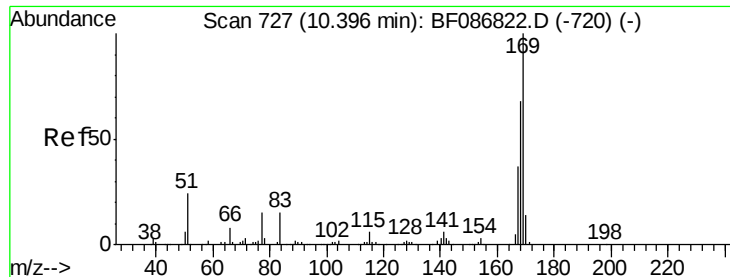
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#64
4,6-Dinitro-2-methylphenol
Concen: 29.44 ng
RT: 10.26 min Scan# 759
Delta R.T. -0.01 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	91936		
51	123.8	20.5	60.5#	
105	68.4	24.5	64.5#	





#65

n-Nitrosodiphenylamine

Concen: 45.42 ng

RT: 10.32 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Instrument :

BNA_F

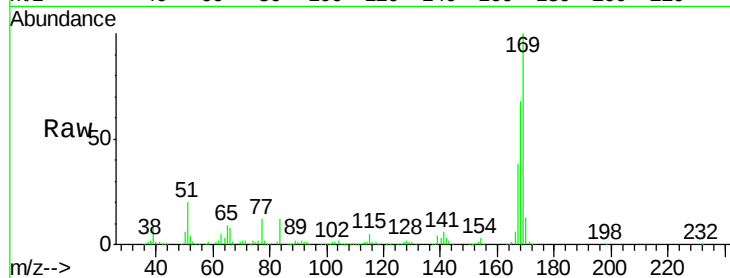
ClientSampleId :

PB90490BS

Tgt Ion:	169	Resp:	701418
Ion Ratio	Lower	Upper	
169	100		
168	67.8	53.8	80.6
167	37.5	29.5	44.3

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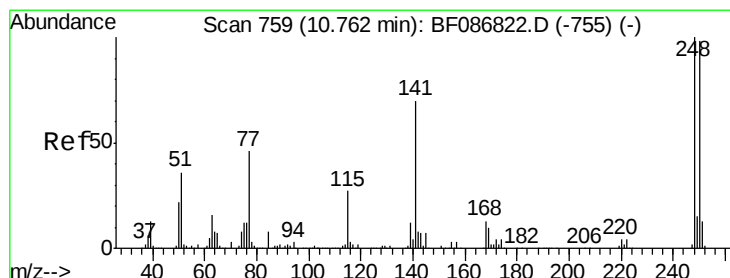
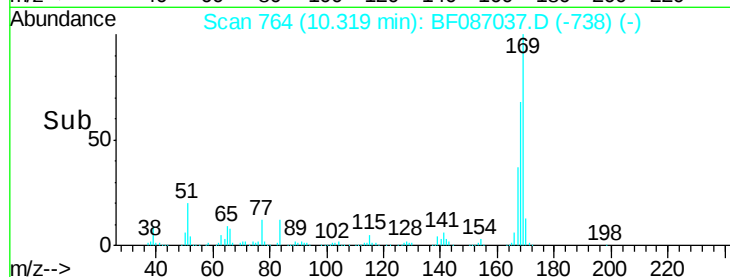
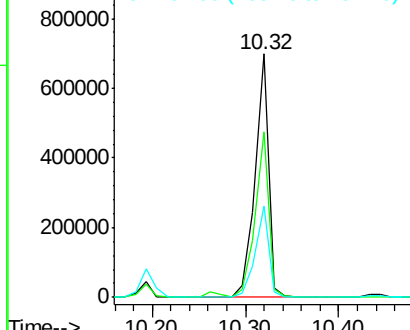
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Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 41.34 ng

RT: 10.68 min Scan# 796

Delta R.T. 0.00 min

Lab File: BF087037.D

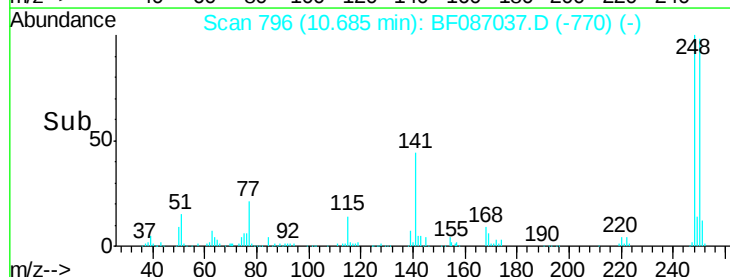
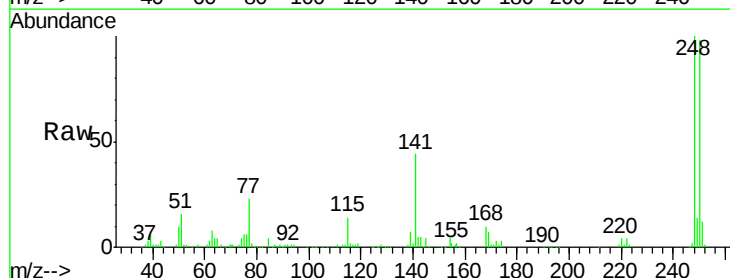
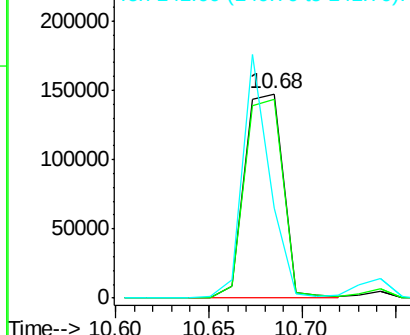
Acq: 14 May 2016 23:34

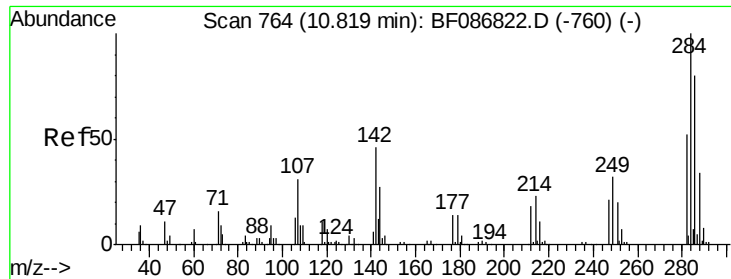
Tgt Ion:	248	Resp:	210704
Ion Ratio	Lower	Upper	
248	100		
250	97.6	78.6	117.8
141	43.8	76.0	114.0#

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: 42.71 ng

RT: 10.74 min Scan# 801

Delta R.T. 0.00 min

Lab File: BF087037.D

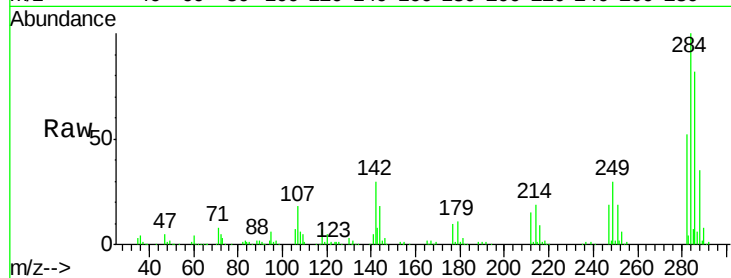
Acq: 14 May 2016 23:34

Instrument :

BNA_F

ClientSampleId :

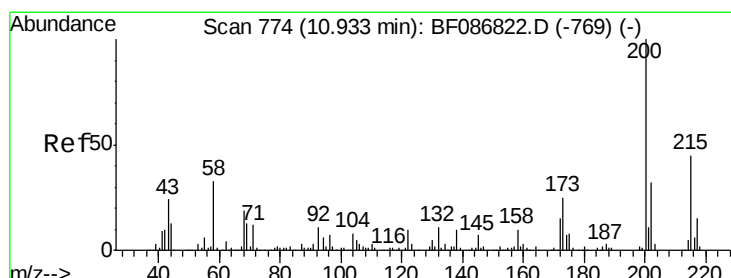
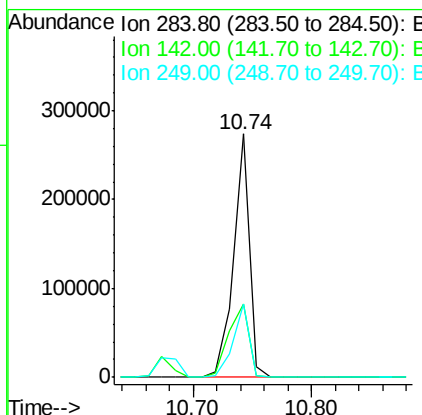
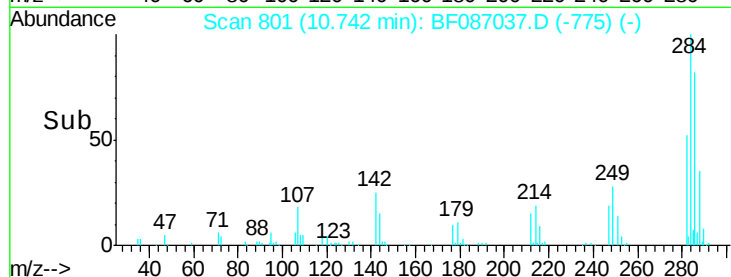
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Tgt Ion:	284	Resp:	254398
Ion Ratio	Lower	Upper	
284	100		
142	30.3	16.7	25.1#
249	30.1	21.3	31.9

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#68

Atrazine

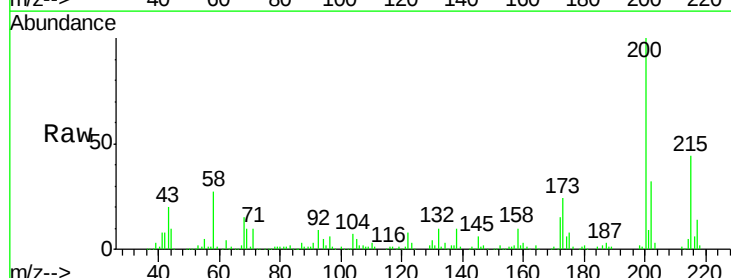
Concen: 45.24 ng

RT: 10.86 min Scan# 811

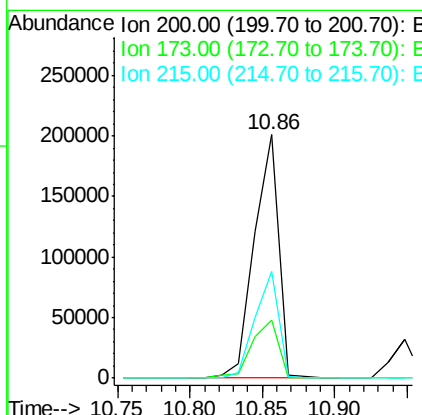
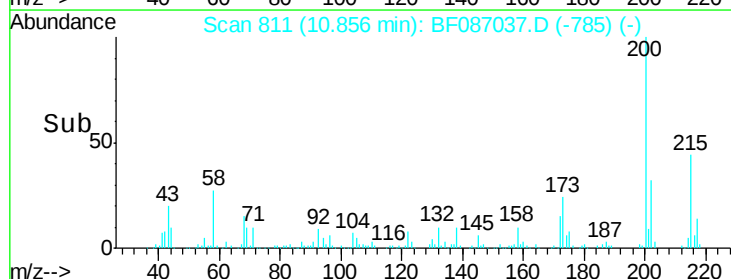
Delta R.T. 0.00 min

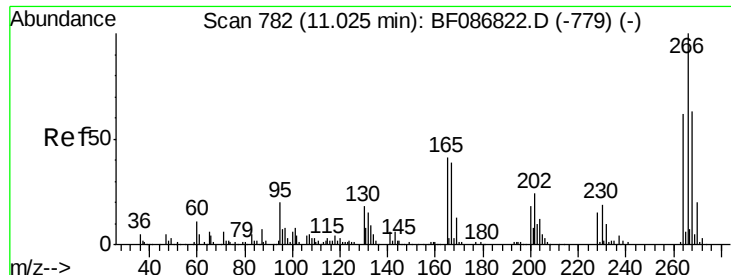
Lab File: BF087037.D

Acq: 14 May 2016 23:34



Tgt Ion:	200	Resp:	233395
Ion Ratio	Lower	Upper	
200	100		
173	24.0	8.5	48.5
215	43.9	27.2	67.2





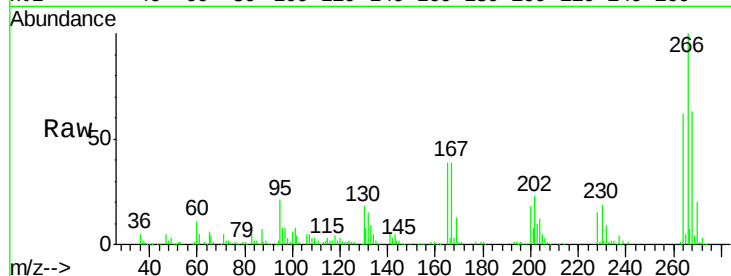
#69
 Pentachlorophenol
 Concen: 73.99 ng
 RT: 10.95 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Instrument :
 BNA_F
 ClientSampleId :
 PB90490BS

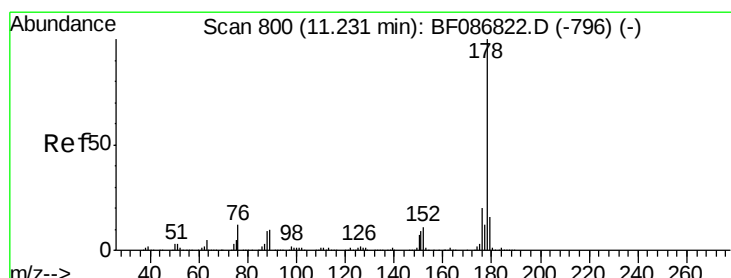
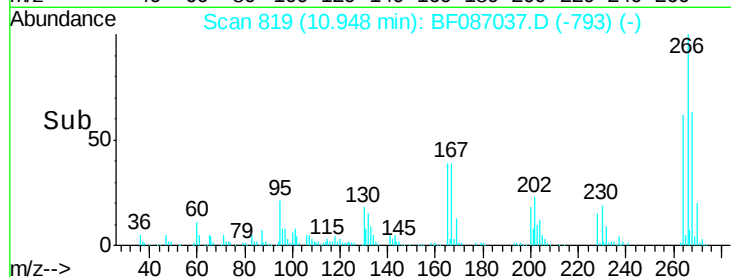
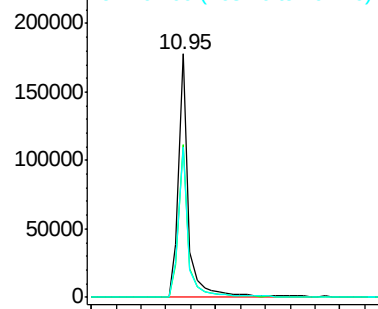
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	203680		
268	62.7	51.5	77.3	
264	61.7	52.9	79.3	

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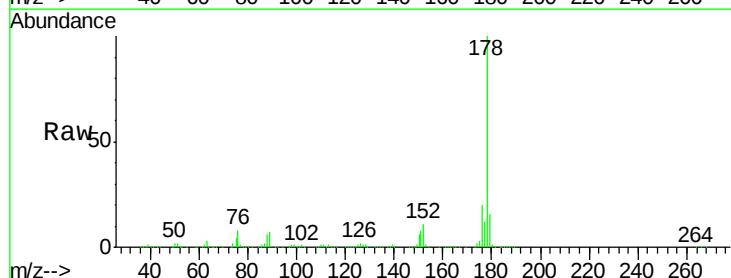


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

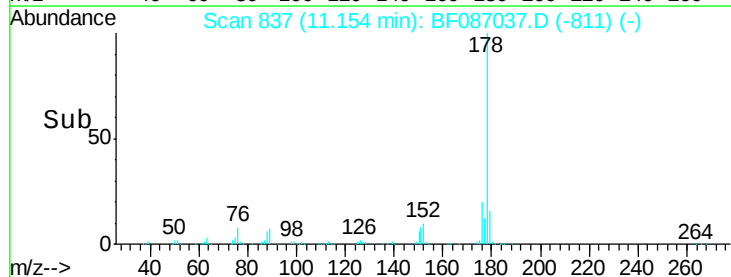
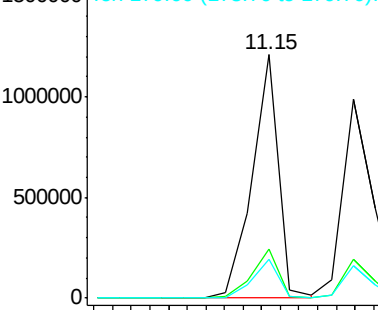


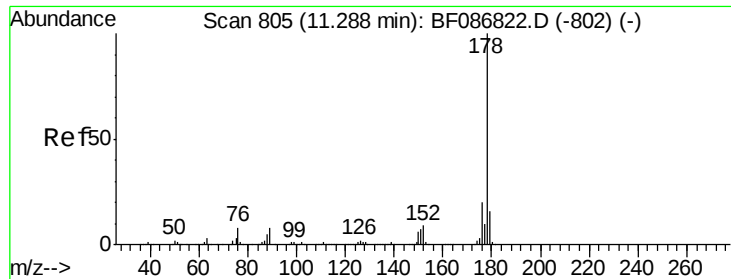
#70
 Phenanthrene
 Concen: 43.69 ng
 RT: 11.15 min Scan# 837
 Delta R.T. 0.00 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1171963		
176	20.4	16.0	24.0	
179	16.0	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





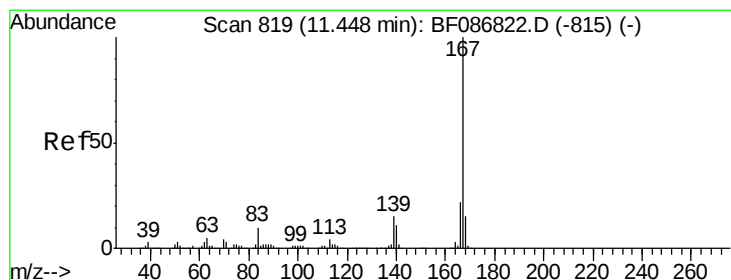
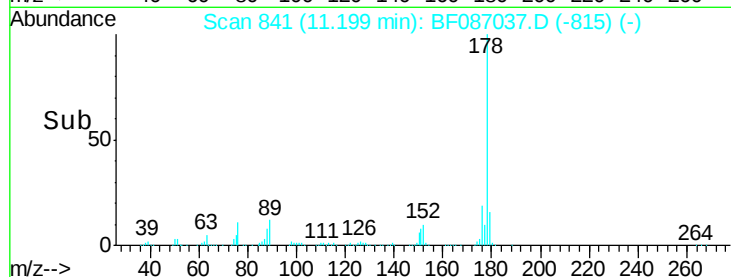
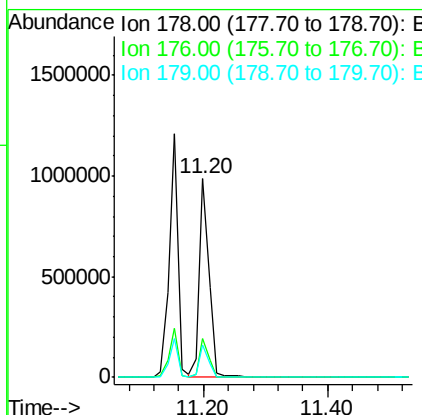
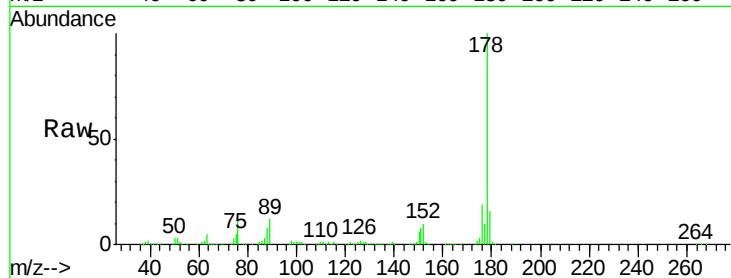
#71
 Anthracene
 Concen: 39.70 ng
 RT: 11.20 min Scan# 841
 Delta R.T. 0.00 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Instrument :
 BNA_F
 ClientSampleId :
 PB90490BS

Tgt Ion:178 Resp: 1089270
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.6 23.4
 179 16.0 12.7 19.1

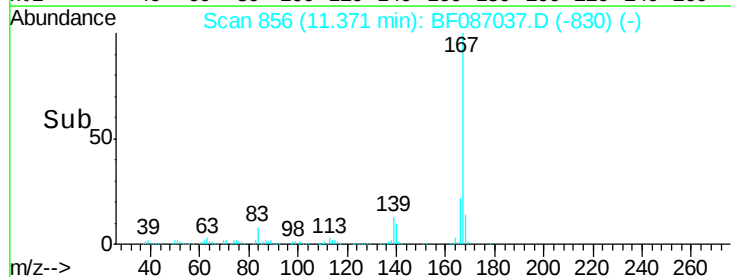
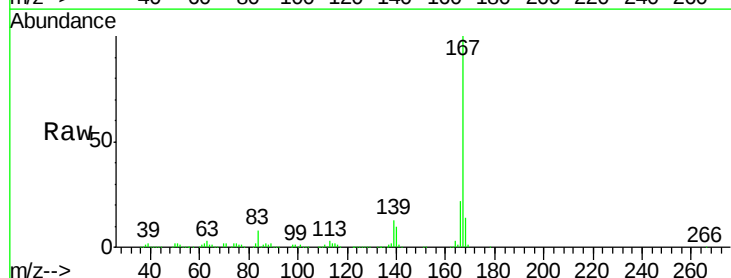
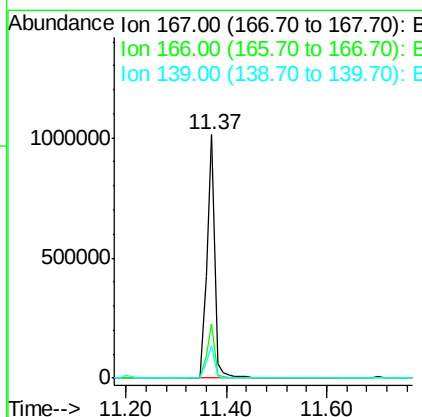
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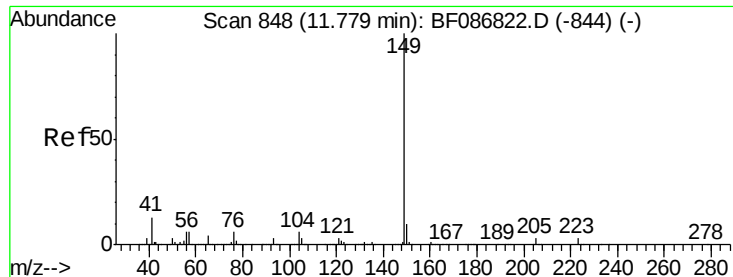
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#72
 Carbazole
 Concen: 46.08 ng
 RT: 11.37 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Tgt Ion:167 Resp: 1086795
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.7 26.5
 139 13.5 10.8 16.2





#73

Di-n-butylphthalate

Concen: 43.89 ng

RT: 11.70 min Scan# 885

Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Instrument :

BNA_F

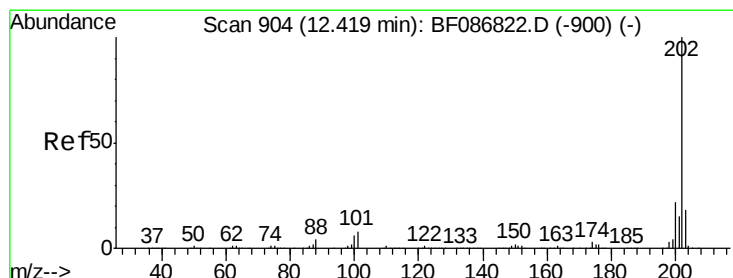
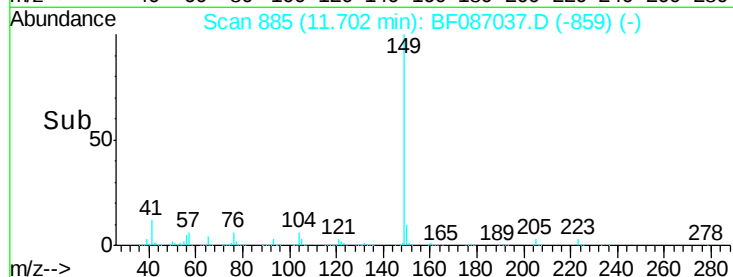
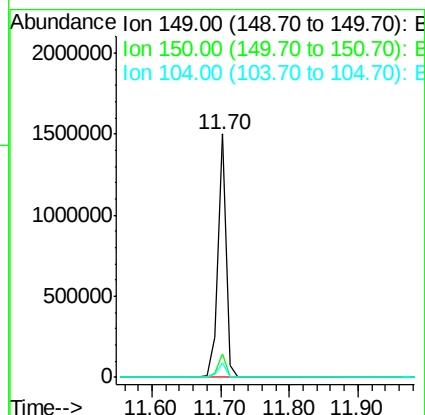
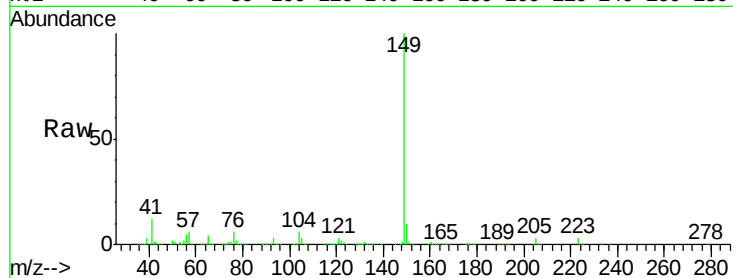
ClientSampleId :

PB90490BS

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Tgt Ion:	149	Resp:	1264177
Ion Ratio	Lower	Upper	
149	100		
150	9.5	7.6	11.4
104	5.9	3.8	5.6#



#74

Fluoranthene

Concen: 39.67 ng

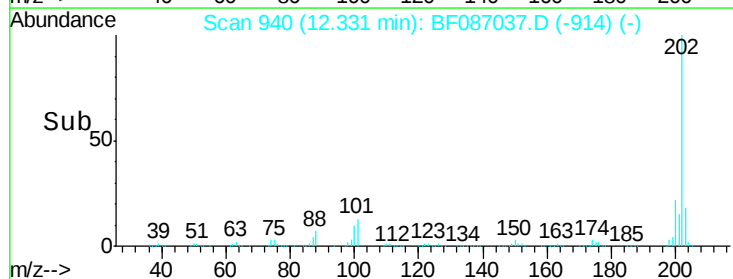
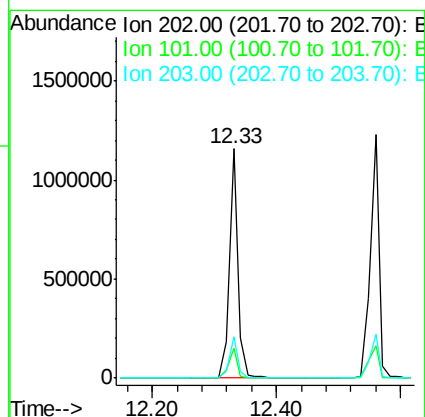
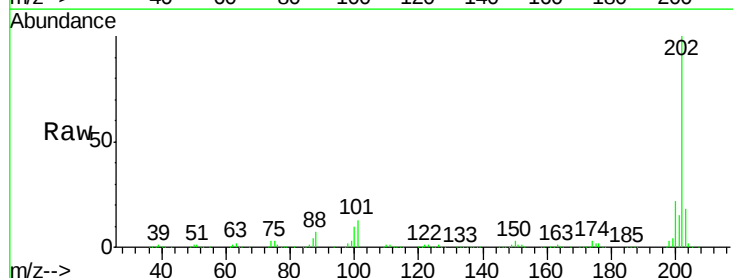
RT: 12.33 min Scan# 940

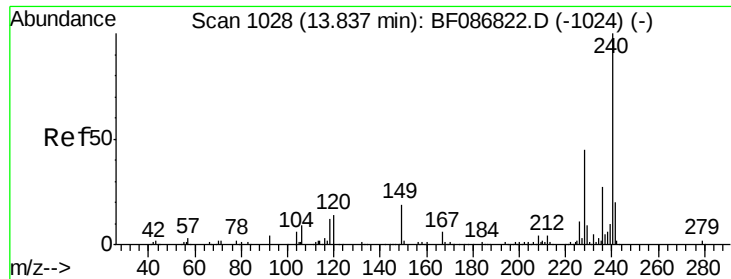
Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Tgt Ion:	202	Resp:	1094447
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	35.4
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Instrument :

BNA_F

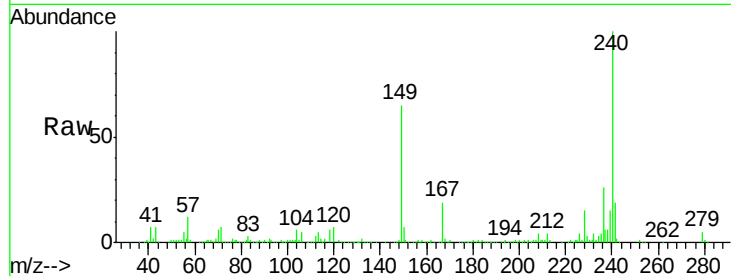
ClientSampleId :

PB90490BS

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	328579		
120	7.2	11.2	16.8	
236	25.8	21.2	31.8	

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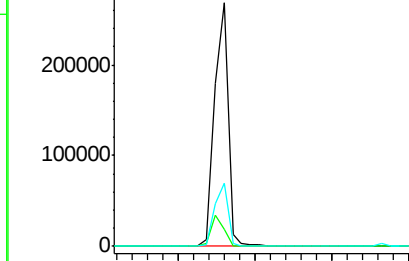
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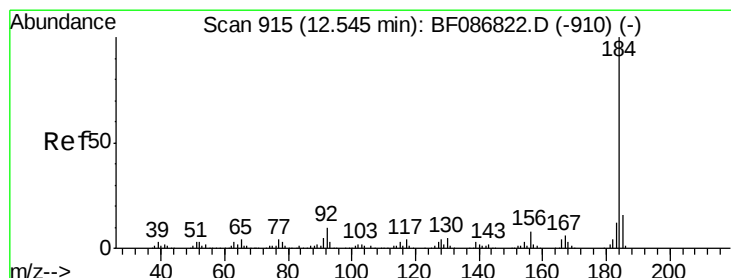
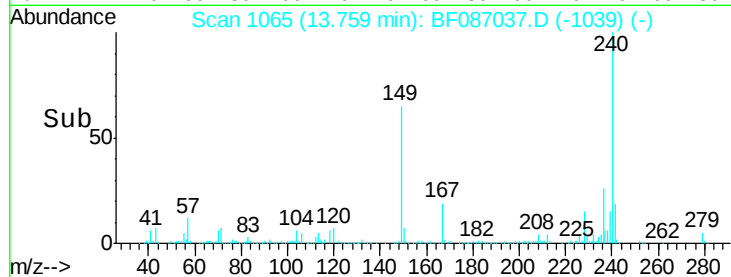
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#76

Benzidine

Concen: 27.68 ng

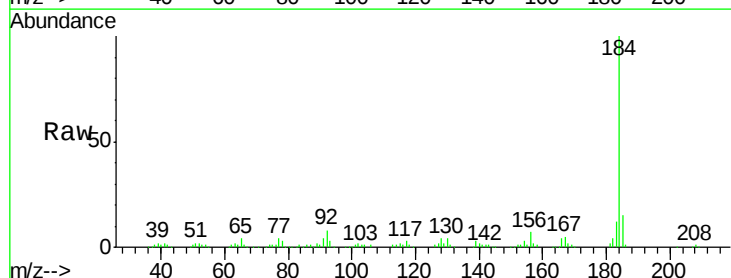
RT: 12.47 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

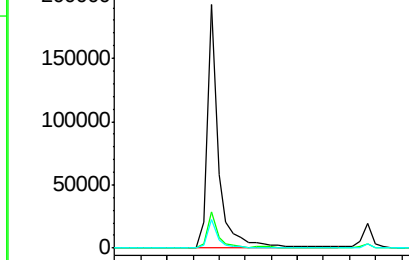
Tgt Ion	Ratio	Resp	Lower	Upper
184	100	231830		
185	14.7	13.6	20.4	
183	11.6	9.8	14.6	



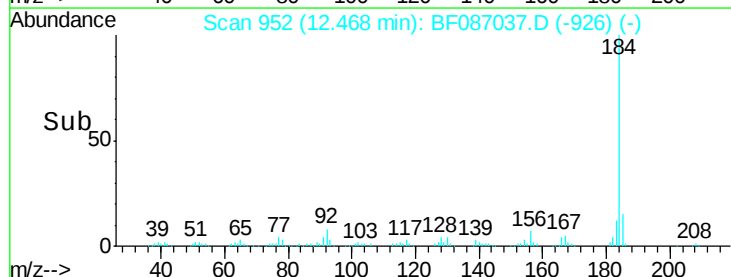
Abundance Ion 184.00 (183.70 to 184.70): E

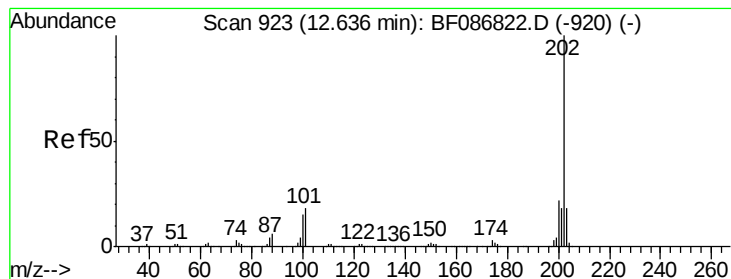
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->





#77

Pyrene

Concen: 47.09 ng

RT: 12.56 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Instrument :

BNA_F

ClientSampleId :

PB90490BS

Tgt Ion: 202 Resp: 1184638

Ion Ratio Lower Upper

202 100

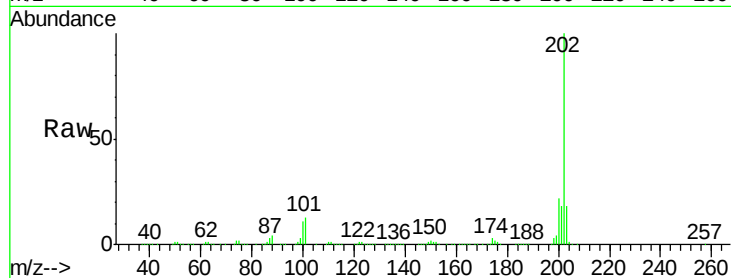
200 22.1 17.7 26.5

203 17.8 14.2 21.4

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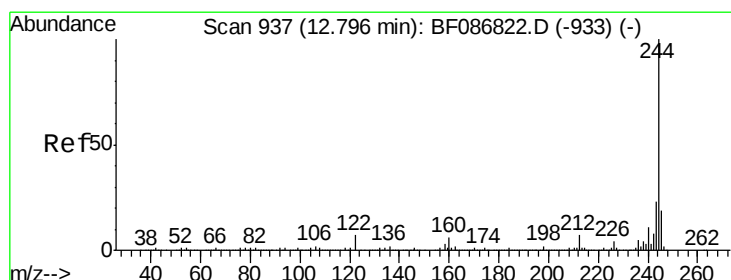
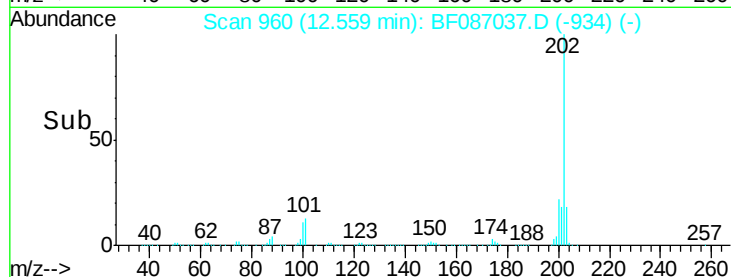
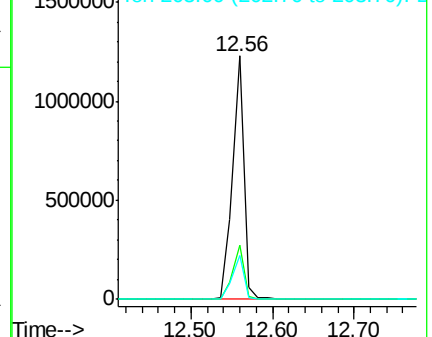
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 80.28 ng

RT: 12.71 min Scan# 973

Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

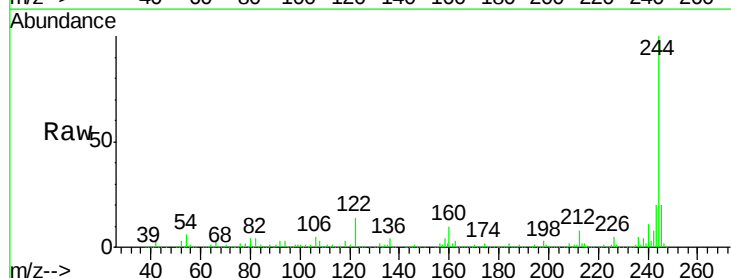
Tgt Ion: 244 Resp: 1243194

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

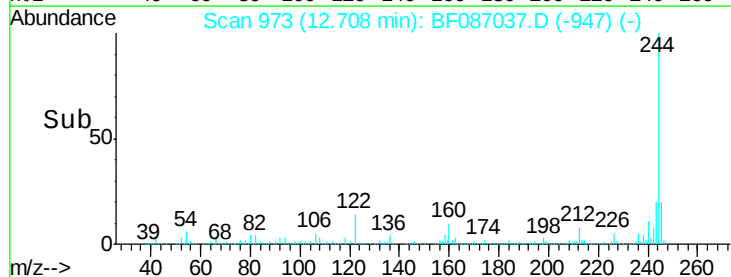
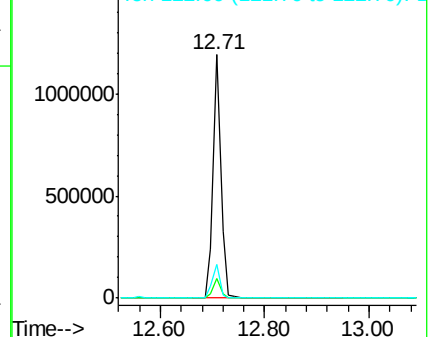
122 14.1 12.0 18.0

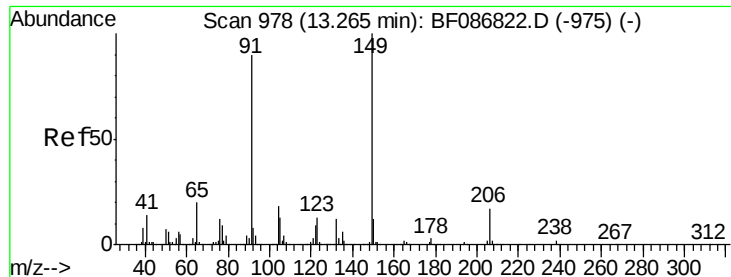


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





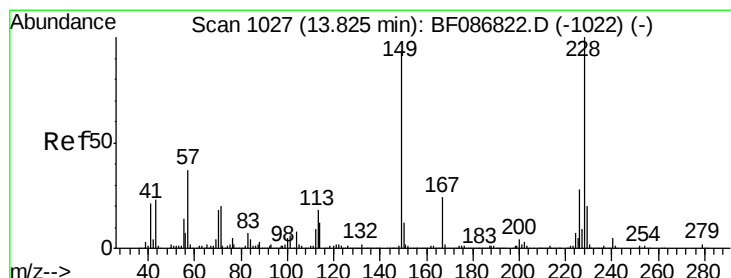
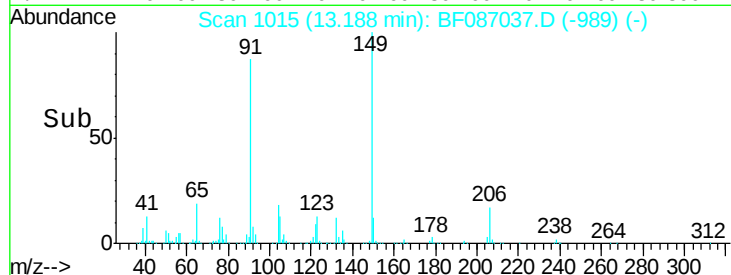
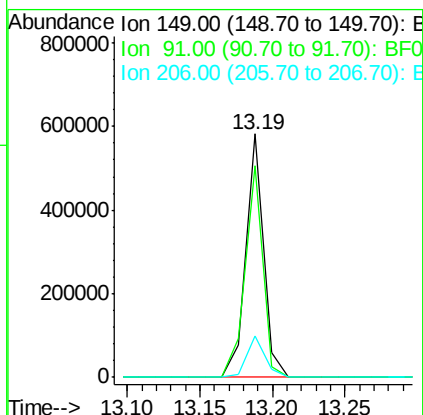
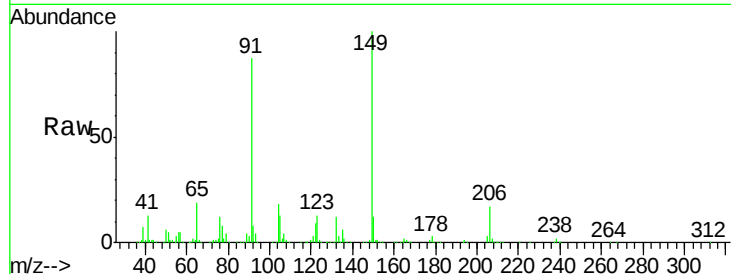
#79
Butylbenzylphthalate
Concen: 46.90 ng
RT: 13.19 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Instrument :
BNA_F
ClientSampleId :
PB90490BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	86.7	48.0	72.0#
206	16.9	15.8	23.6

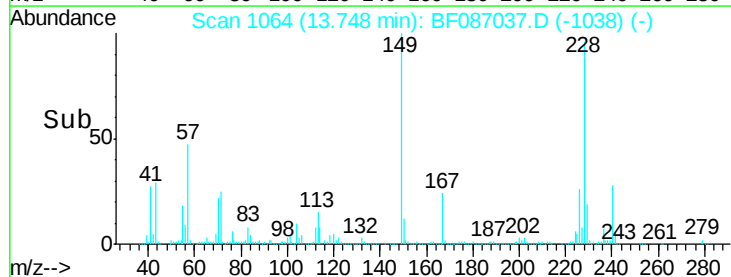
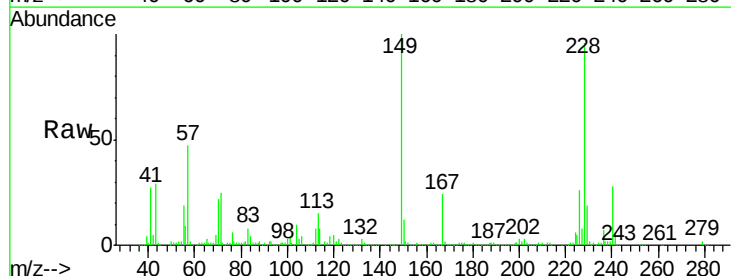
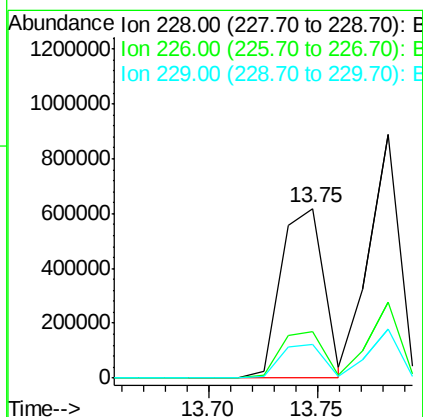
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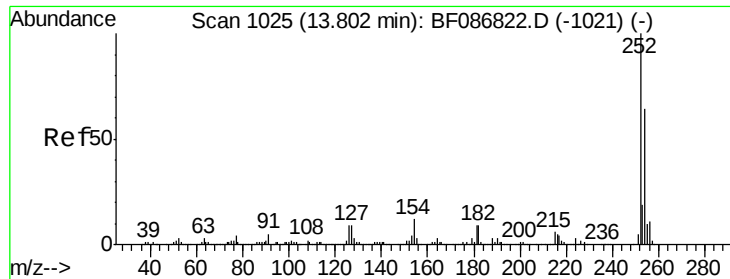
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#80
Benzo(a)anthracene
Concen: 46.21 ng
RT: 13.75 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.5	22.5	33.7
229	19.5	16.6	25.0





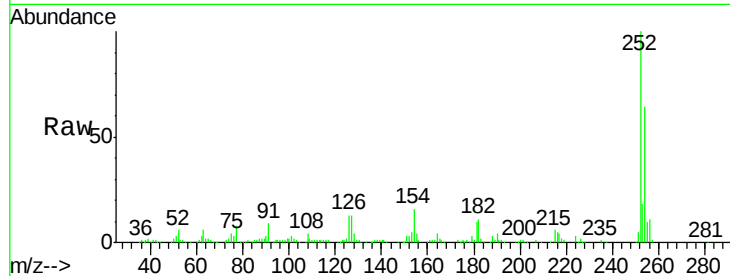
#81
 3,3'-Dichlorobenzidine
 Concen: 13.81 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Instrument :
 BNA_F
 ClientSampleId :
 PB90490BS

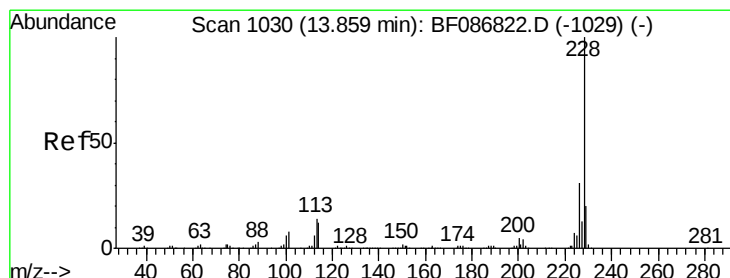
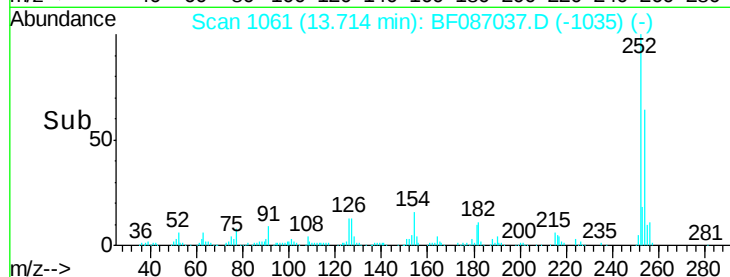
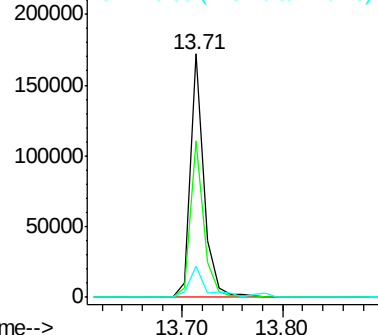
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	161890		
254	64.3	50.7	76.1	
126	12.6	12.7	19.1	

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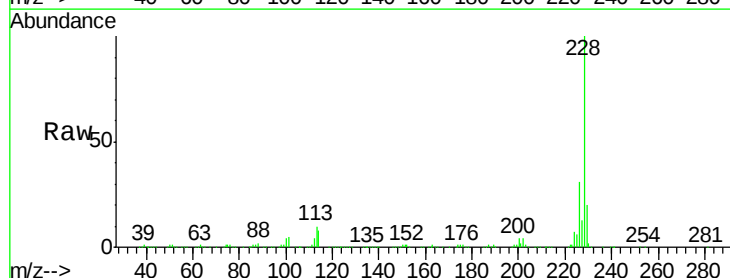


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

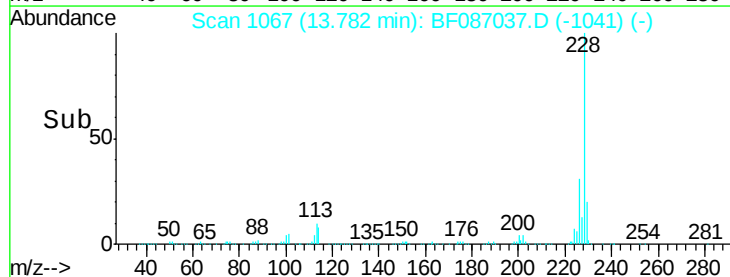
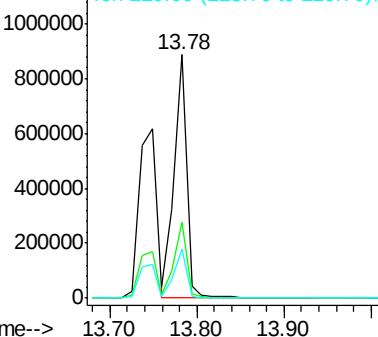


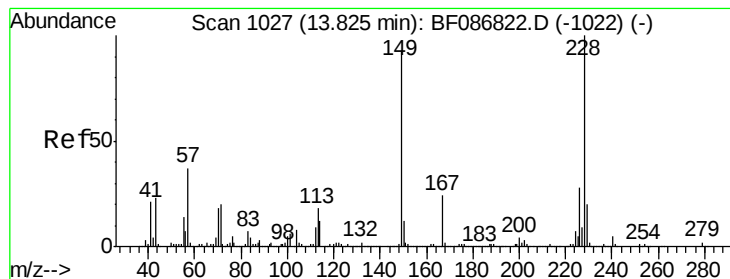
#82
 Chrysene
 Concen: 47.25 ng
 RT: 13.78 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	886615		
226	31.4	24.4	36.6	
229	20.0	15.8	23.8	



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 47.75 ng

RT: 13.75 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF087037.D

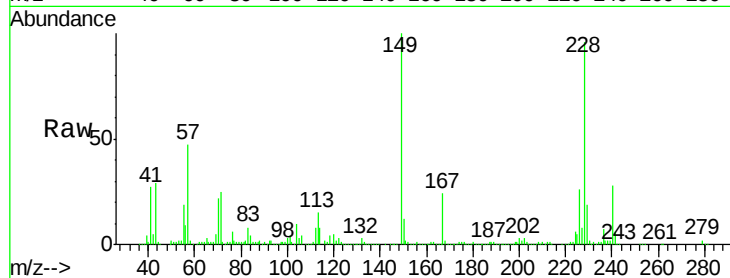
Acq: 14 May 2016 23:34

Instrument :

BNA_F

ClientSampleId :

PB90490BS



Tgt Ion:149 Resp: 611147

Ion Ratio Lower Upper

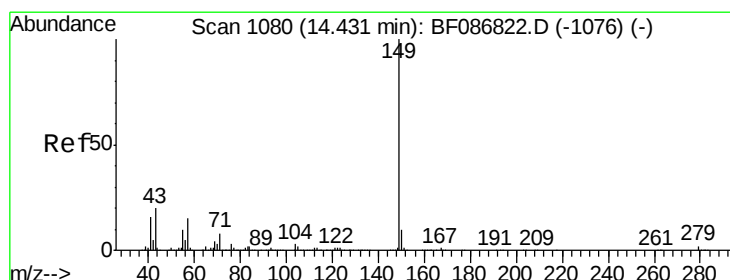
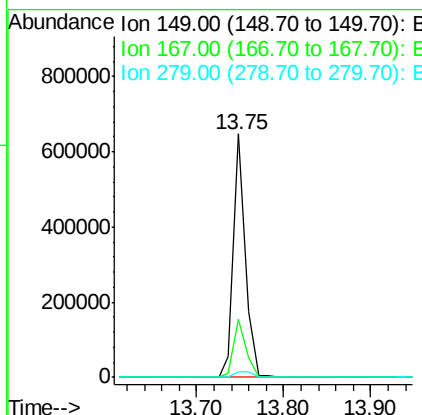
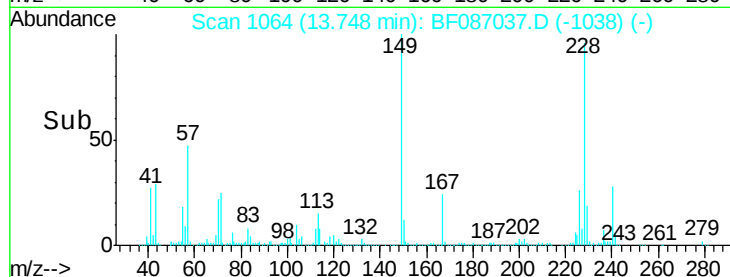
149 100

167 24.0 21.8 32.6

279 2.3 2.6 4.0#

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#84

Di-n-octyl phthalate

Concen: 50.23 ng

RT: 14.35 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

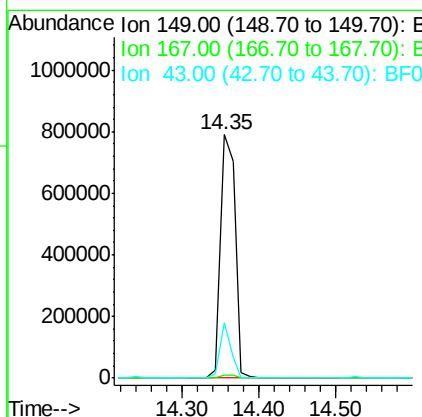
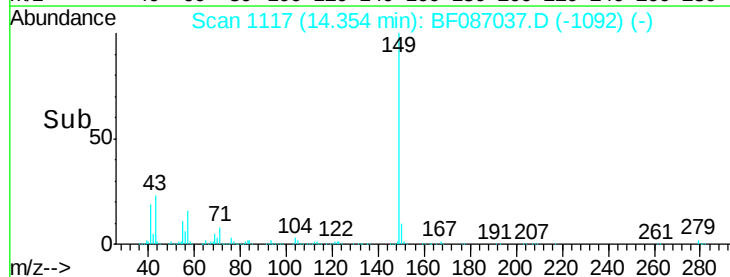
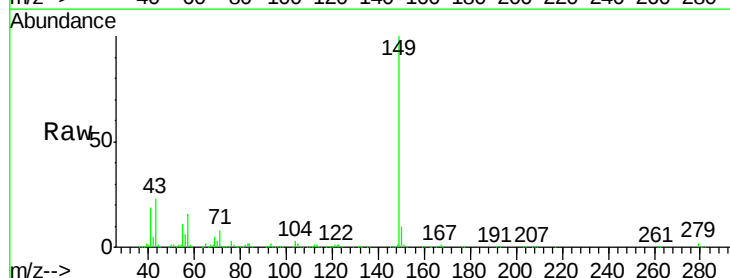
Tgt Ion:149 Resp: 1064988

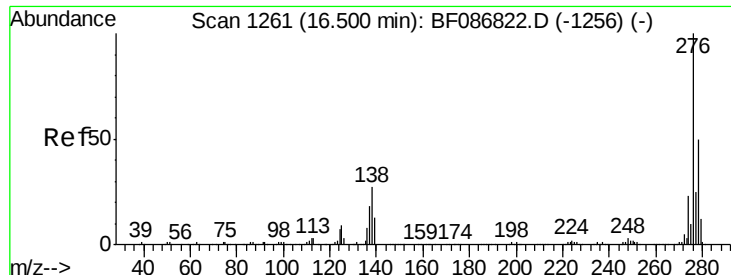
Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 17.0 8.2 12.4#





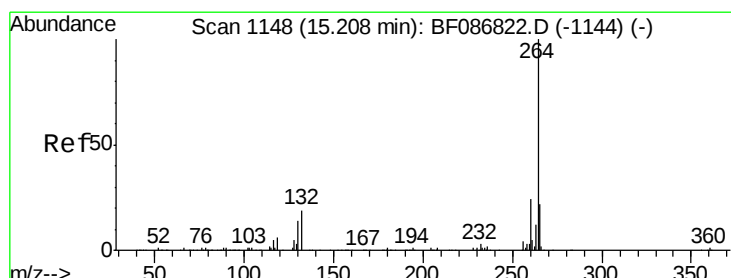
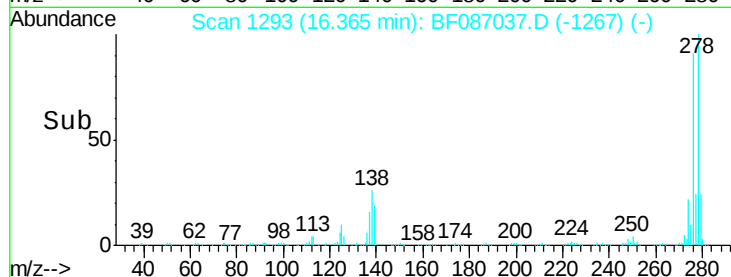
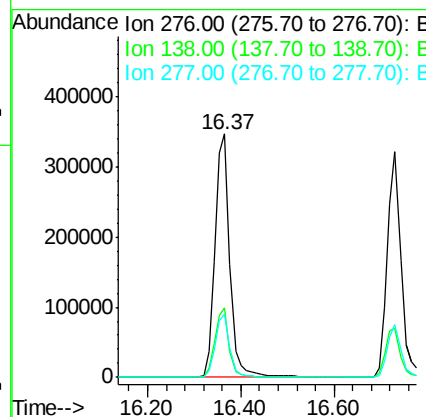
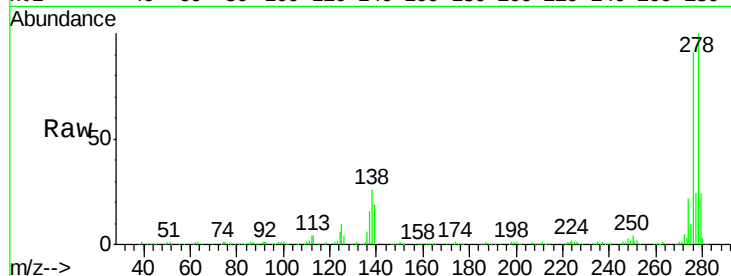
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 49.88 ng
 RT: 16.37 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Instrument :
 BNA_F
 ClientSampleId :
 PB90490BS

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	778688		
138	27.4	25.6	38.4	
277	25.4	20.5	30.7	

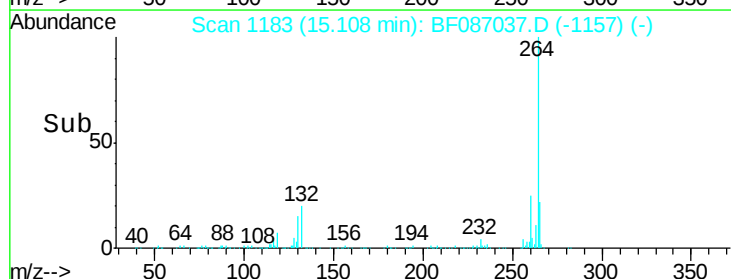
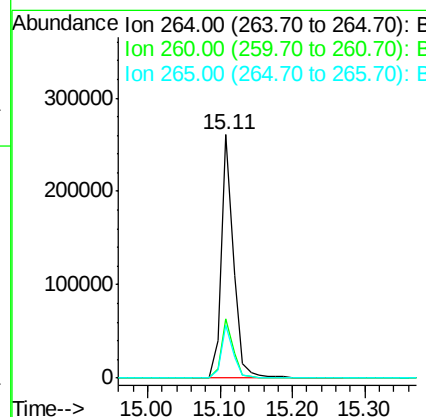
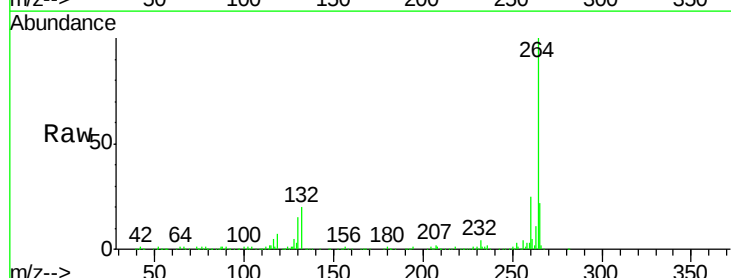
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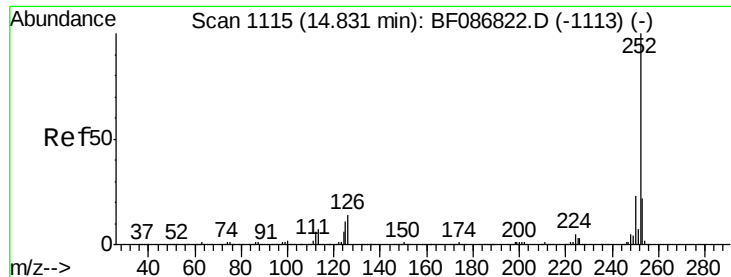
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.11 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF087037.D
 Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	305961		
260	24.6	19.5	29.3	
265	21.7	17.3	25.9	





#87

Benzo(b)fluoranthene

Concen: 36.76 ng m

RT: 14.74 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BF087037.D

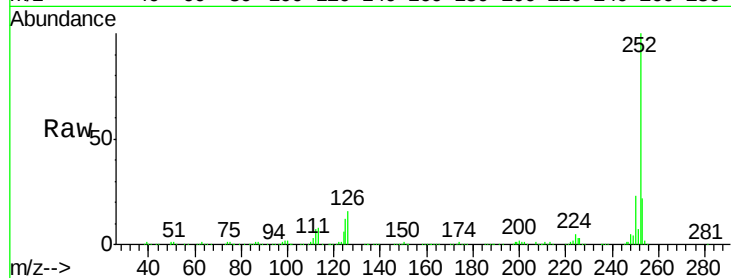
Acq: 14 May 2016 23:34

Instrument :

BNA_F

ClientSampleId :

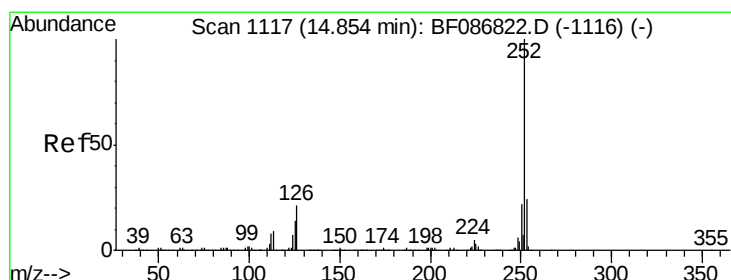
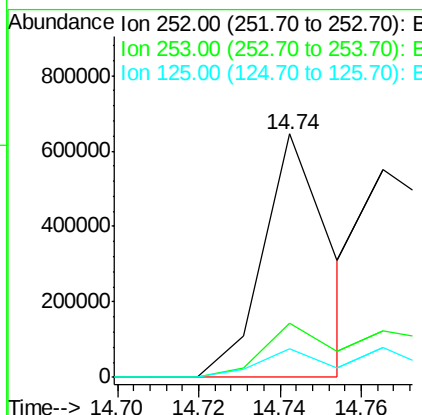
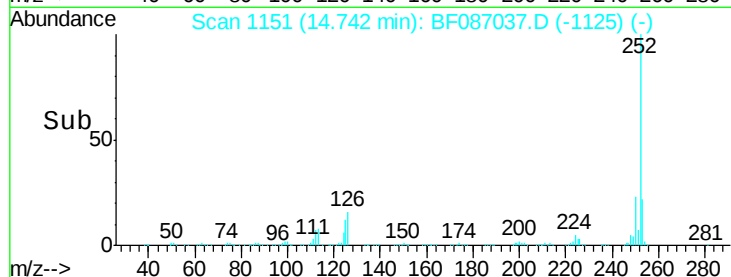
PB90490BS



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	12.0	11.4	17.0

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 46.13 ng m

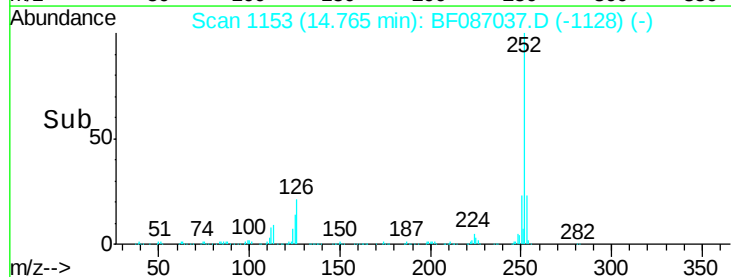
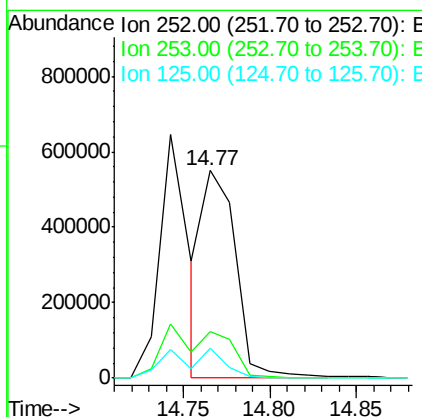
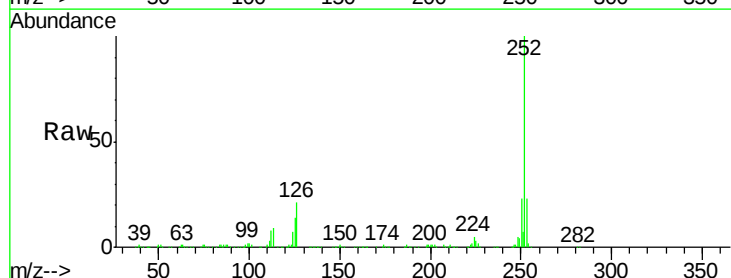
RT: 14.77 min Scan# 1153

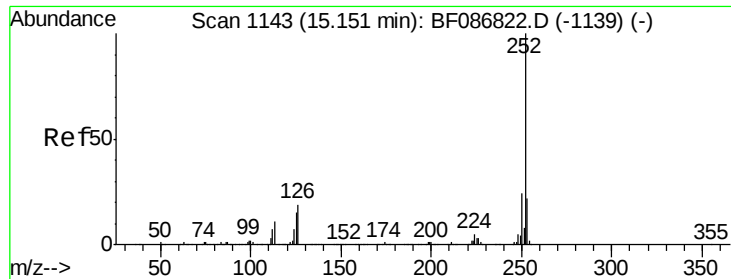
Delta R.T. -0.01 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	14.4	9.1	13.7#





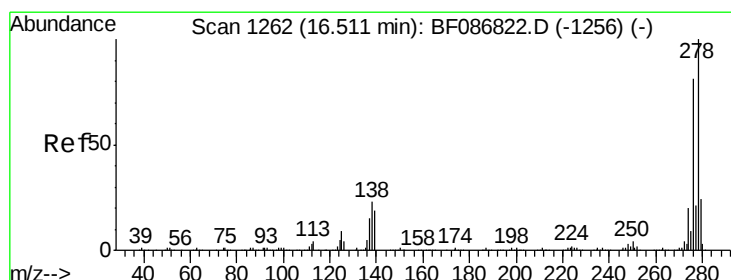
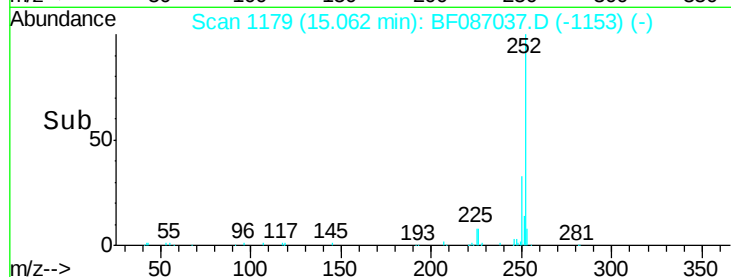
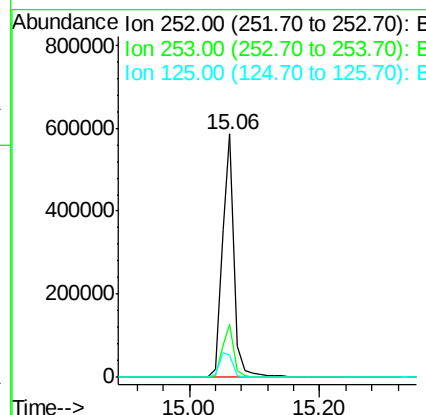
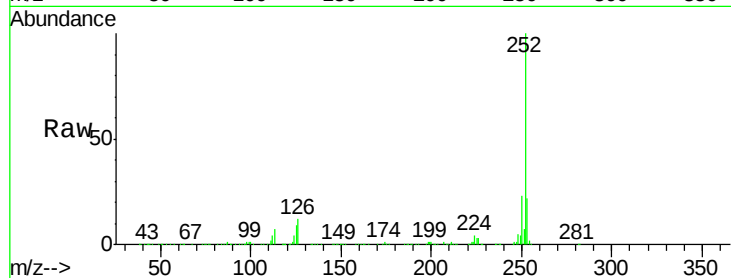
#89
Benzo(a)pyrene
Concen: 43.25 ng
RT: 15.06 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Instrument :
BNA_F
ClientSampleId :
PB90490BS

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	21.8	17.2	25.8
125	9.1	9.0	13.6

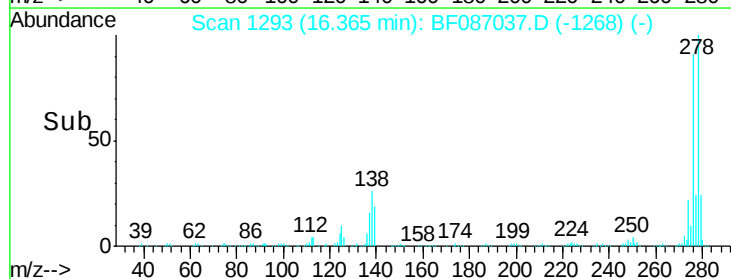
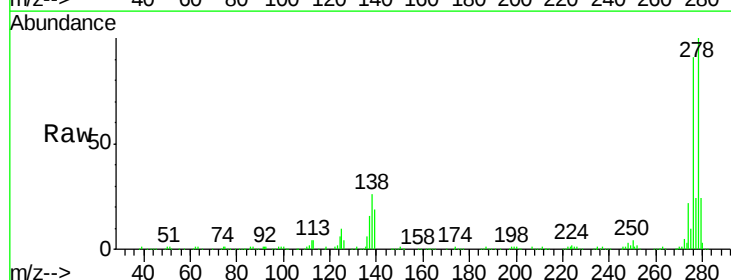
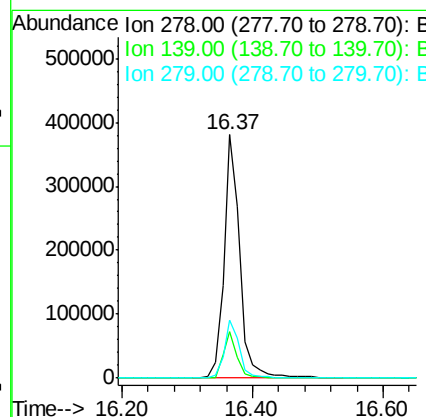
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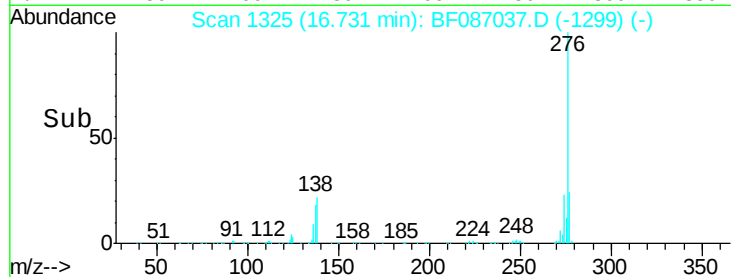
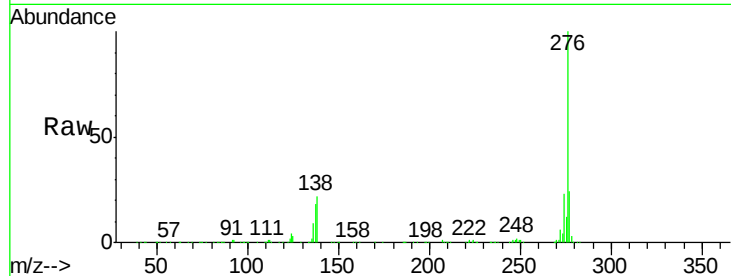
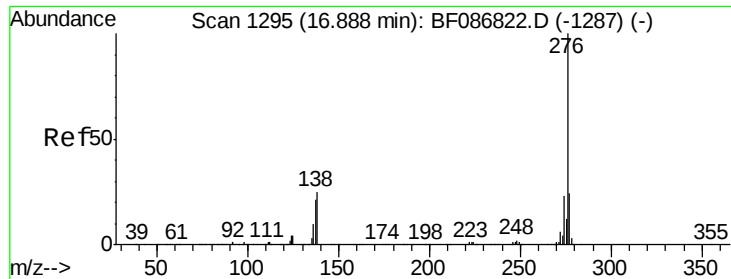
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#90
Dibenzo(a,h)anthracene
Concen: 44.72 ng
RT: 16.37 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF087037.D
Acq: 14 May 2016 23:34

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	19.4	16.6	24.8
279	23.8	19.6	29.4





#91

Benzo(g,h,i)perylene

Concen: 45.31 ng

RT: 16.73 min Scan# 1325

Delta R.T. 0.00 min

Lab File: BF087037.D

Acq: 14 May 2016 23:34

Instrument :

BNA_F

ClientSampleId :

PB90490BS

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		665416		
277	23.5	19.6		29.4	
138	21.7	23.6		35.4	

Manual Integrations
APPROVED

sohil
5/16/2016 6:58:44 PM

