

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062516\
 Data File : BF088369.D
 Acq On : 25 Jun 2016 11:27
 Operator : UM/SJ
 Sample : H3629-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5B(7-9)

Quant Time: Jun 26 01:55:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	63449	20.00	ng	-0.03
21) Naphthalene-d8	7.86	136	182931	20.00	ng	-0.03
38) Acenaphthene-d10	9.63	164	61986	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	169349	20.00	ng	-0.02
75) Chrysene-d12	13.70	240	172019	20.00	ng	-0.05
86) Perylene-d12	15.05	264	148081	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.15	112	578668	155.91	ng	-0.02
7) Phenol-d6	6.23	99	656765	146.01	ng	-0.03
23) Nitrobenzene-d5	7.14	82	408923	130.53	ng	-0.03
41) 2,4,6-Tribromophenol	10.42	330	121842	186.16	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	445940	114.97	ng	-0.01
78) Terphenyl-d14	12.66	244	592277	78.35	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.24	94	6308	Below Cal	#	1
15) Benzyl Alcohol	6.72	79	12139	3.45	ng	51
18) Hexachloroethane	7.14	117	139471	82.78	ng	10
19) n-Nitroso-di-n-propylamine	6.99	70	23713	8.24	ng	61
24) Nitrobenzene	7.12	77	37067	12.22	ng	48
25) Isophorone	7.38	82	73556	12.68	ng	1
26) 2-Nitrophenol	7.54	139	23679	14.57	ng	1
27) 2,4-Dimethylphenol	7.51	122	27013	9.03	ng	1
28) bis(2-Chloroethoxy)methane	7.66	93	36572	10.16	ng	1
29) 2,4-Dichlorophenol	7.71	162	9064	3.63	ng	1
30) 1,2,4-Trichlorobenzene	7.77	180	14633	5.38	ng	45
31) Naphthalene	7.86	128	74586	8.24	ng	1
32) Benzoic acid	7.66	122	17256	10.47	ng	43
33) 4-Chloroaniline	7.92	127	24486	6.06	ng	1
35) Caprolactam	8.32	113	104959	126.80	ng	1
36) 4-Chloro-3-methylphenol	8.40	107	41359	15.48	ng	35
37) 2-Methylnaphthalene	8.59	142	485293	81.33	ng	92
42) 2,4,6-Trichlorophenol	8.88	196	8629	6.96	ng	11
43) 2,4,5-Trichlorophenol	8.88	196	8629	6.69	ng	1
45) 1,1'-Biphenyl	9.05	154	2980	Below Cal	#	1
47) 2-Nitroaniline	9.19	65	6631	5.60	ng	28
48) Acenaphthylene	9.50	152	44679	7.00	ng	1
49) Dimethylphthalate	9.36	163	43684	9.73	ng	1
50) 2,6-Dinitrotoluene	9.44	165	33975	33.04	ng	75
51) Acenaphthene	9.67	154	72096	18.11	ng	65
52) 3-Nitroaniline	9.59	138	56377	47.51	ng	20
53) 2,4-Dinitrophenol	9.85	184	5647	14.84	ng	1
54) Dibenzofuran	9.84	168	43739	7.98	ng	1
55) 4-Nitrophenol	9.75	139	47389	51.46	ng	13
56) 2,4-Dinitrotoluene	9.84	165	19642	14.86	ng	58
57) Fluorene	10.18	166	136100	35.75	ng	80
58) 2,3,4,6-Tetrachlorophenol	9.94	232	2648	2.61	ng	96
59) Diethylphthalate	10.08	149	13238	2.91	ng	7
61) 4-Nitroaniline	10.04	138	11699	10.39	ng	88

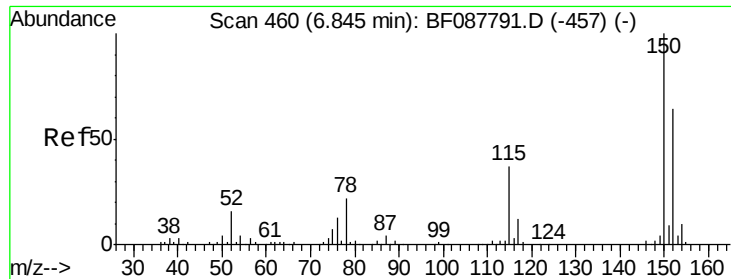
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062516\
 Data File : BF088369.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) Azobenzene	10.34	77	25433	5.66	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.27	198	5062	6.73	ng	# 1
65) n-Nitrosodiphenylamine	10.28	169	348882	62.09	ng	# 53
68) Atrazine	10.78	200	5167	3.04	ng	# 1
70) Phenanthrene	11.12	178	264620	29.78	ng	# 88
71) Anthracene	11.22	178	149801	16.71	ng	# 1
74) Fluoranthene	12.31	202	69784	7.44	ng	# 87
77) Pyrene	12.52	202	122118	9.57	ng	# 95
80) Benzo(a)anthracene	13.69	228	24461	2.50	ng	# 86
83) Bis(2-ethylhexyl)phthalate	13.68	149	22830	3.32	ng	# 91
87) Benzo(b)fluoranthene	14.70	252	24432	2.37	ng	# 86
88) Benzo(k)fluoranthene	14.70	252	24432	3.14	ng	# 91

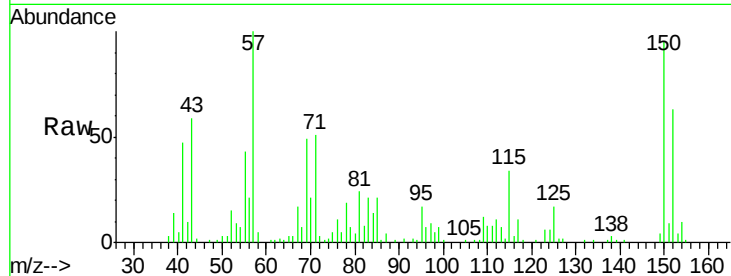
(#) = qualifier out of range (m) = manual integration (+) = signals summed



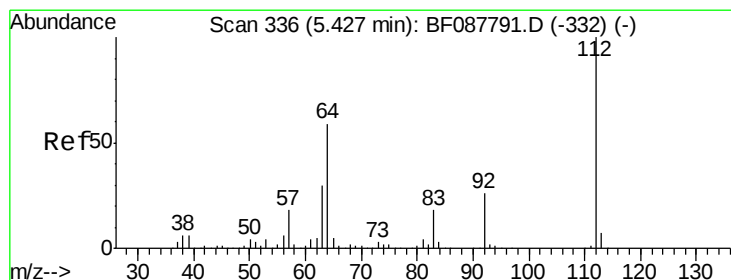
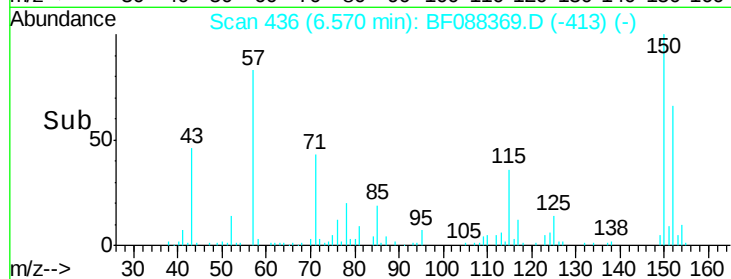
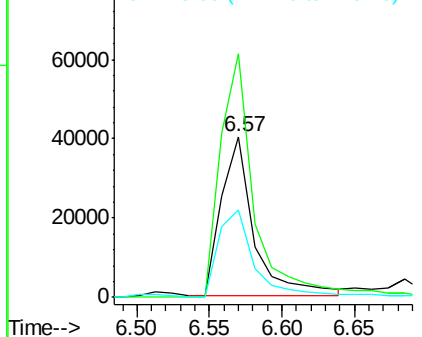
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.57 min Scan# 436
 Delta R.T. -0.03 min
 Lab File: BF088369.D
 Acq: 25 Jun 2016 11:27

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5B(7-9)

Tgt Ion:152 Resp: 63449
 Ion Ratio Lower Upper
 152 100
 150 151.4 123.8 185.6
 115 54.3 39.6 59.4

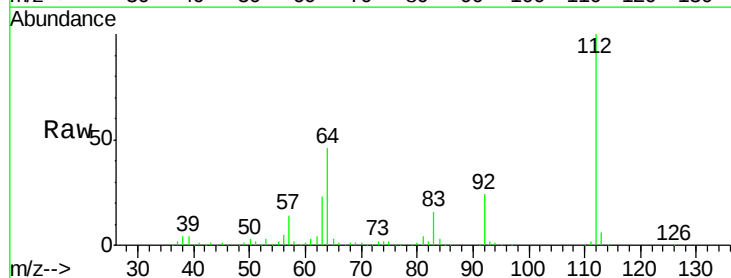


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

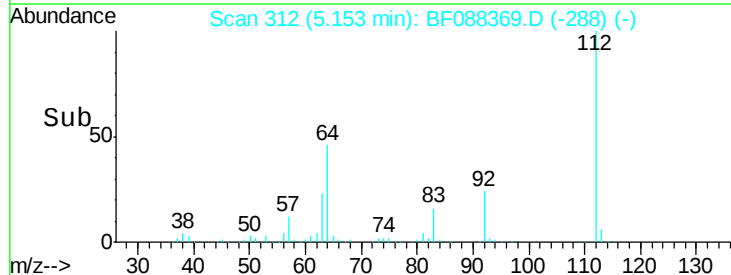
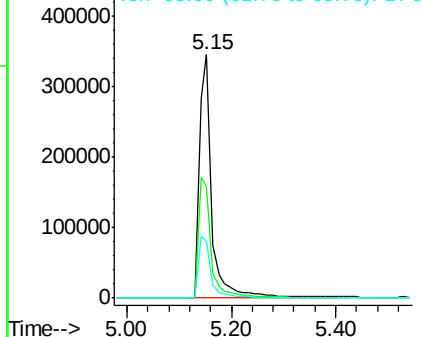


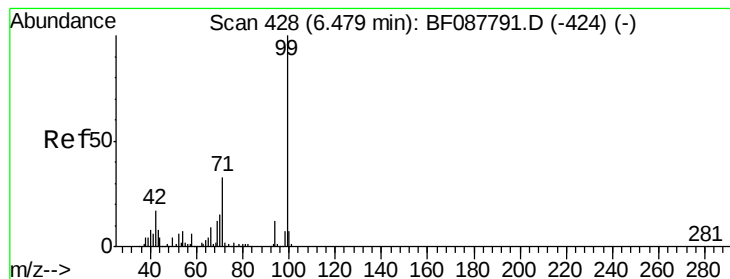
#5
 2-Fluorophenol
 Concen: 155.91 ng
 RT: 5.15 min Scan# 312
 Delta R.T. -0.02 min
 Lab File: BF088369.D
 Acq: 25 Jun 2016 11:27

Tgt Ion:112 Resp: 578668
 Ion Ratio Lower Upper
 112 100
 64 45.9 42.2 63.2
 63 23.3 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 146.01 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.03 min

Lab File: BF088369.D

Acq: 25 Jun 2016 11:27

Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(7-9)

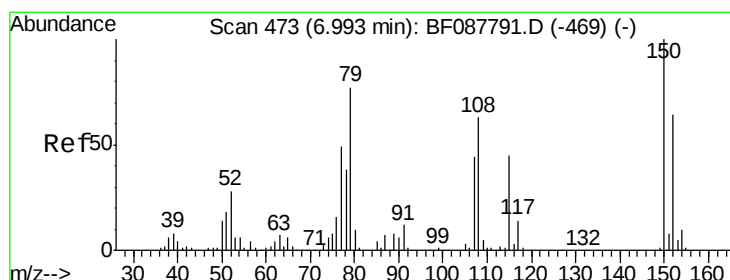
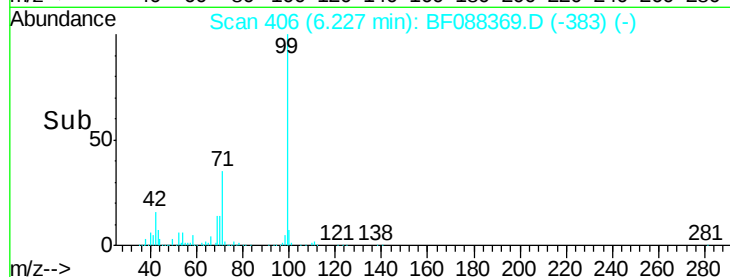
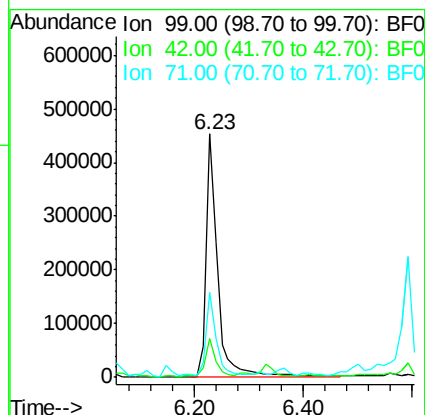
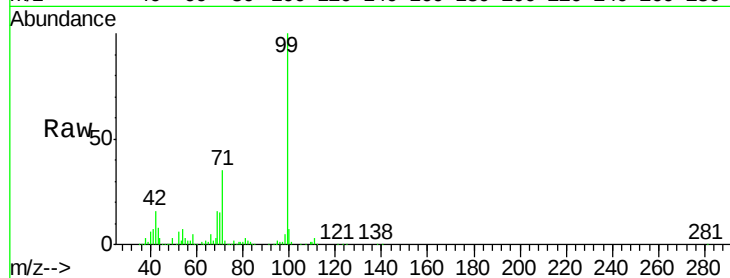
Tgt Ion: 99 Resp: 656765

Ion Ratio Lower Upper

99 100

42 15.9 12.2 18.2

71 34.8 23.4 35.0



#15

Benzyl Alcohol

Concen: 3.45 ng

RT: 6.72 min Scan# 449

Delta R.T. -0.05 min

Lab File: BF088369.D

Acq: 25 Jun 2016 11:27

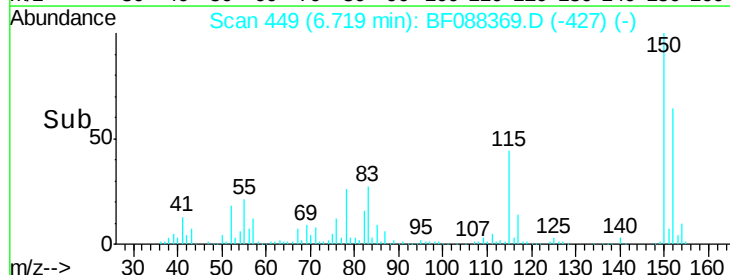
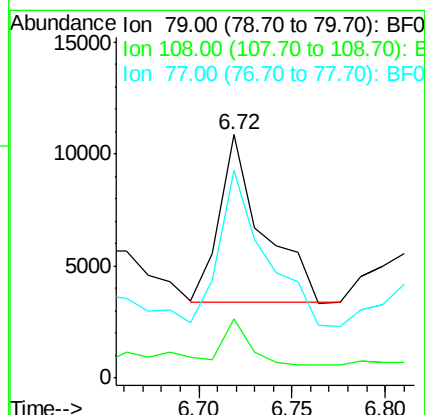
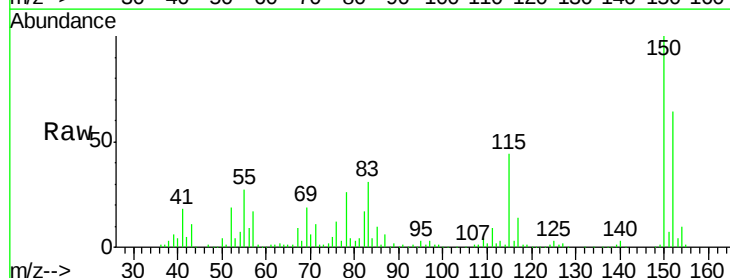
Tgt Ion: 79 Resp: 12139

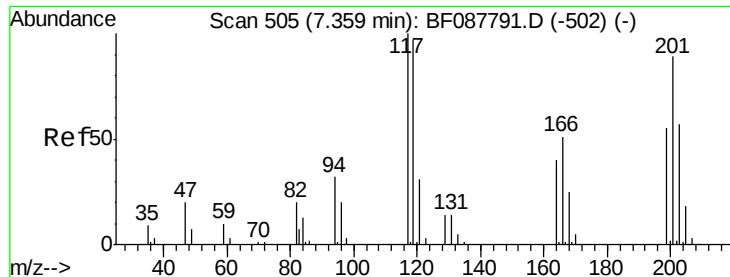
Ion Ratio Lower Upper

79 100

108 24.2 65.0 97.6#

77 85.4 50.3 75.5#

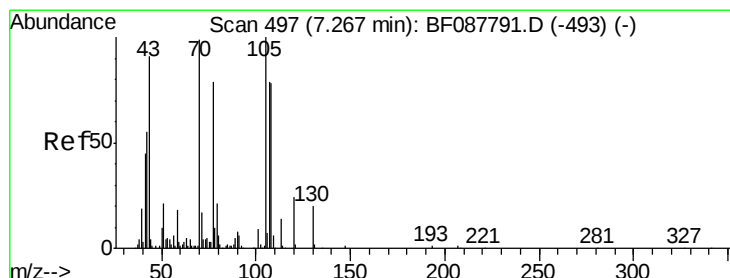
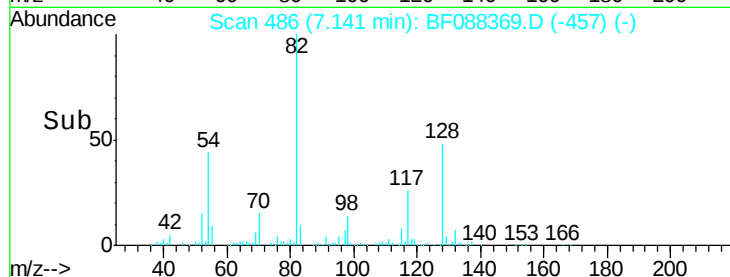
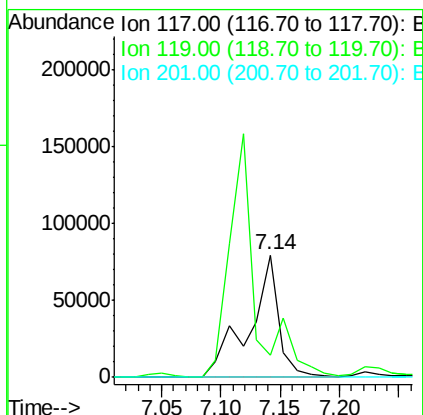
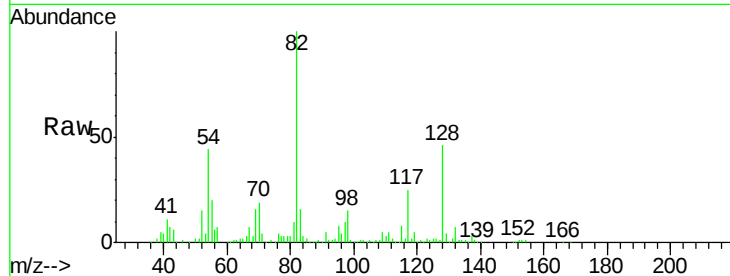




#18
Hexachloroethane
Concen: 82.78 ng
RT: 7.14 min Scan# 486
Delta R.T. 0.03 min
Lab File: BF088369.D
Acq: 25 Jun 2016 11:27

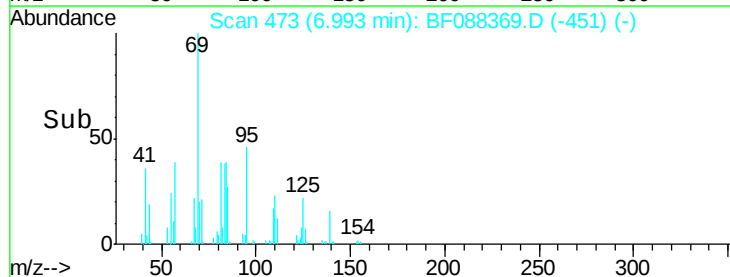
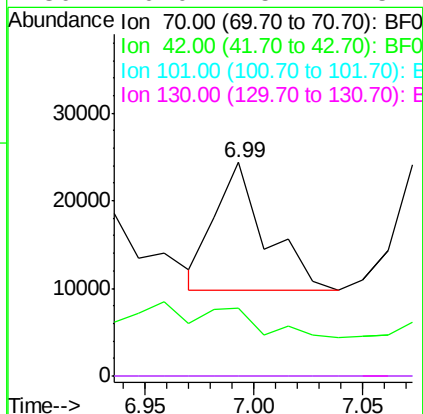
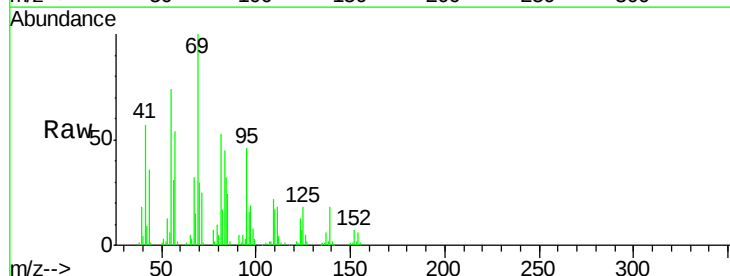
Instrument :
BNA_F
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LOCATION-5B(7-9)

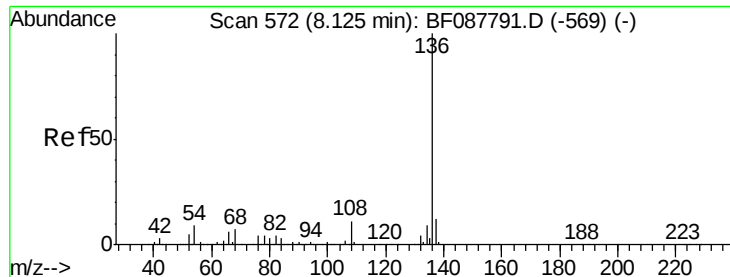
Tgt Ion: 117 Resp: 139471
Ion Ratio Lower Upper
117 100
119 18.1 77.4 116.2#
201 0.0 80.4 120.6#



#19
n-Nitroso-di-n-propylamine
Concen: 8.24 ng
RT: 6.99 min Scan# 473
Delta R.T. -0.05 min
Lab File: BF088369.D
Acq: 25 Jun 2016 11:27

Tgt Ion: 70 Resp: 23713
Ion Ratio Lower Upper
70 100
42 31.5 49.6 74.4#
101 0.0 7.1 10.7#
130 0.0 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.86 min Scan# 549

Delta R.T. -0.03 min

Lab File: BF088369.D

Acq: 25 Jun 2016 11:27

Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(7-9)

Tgt Ion:136 Resp: 182931

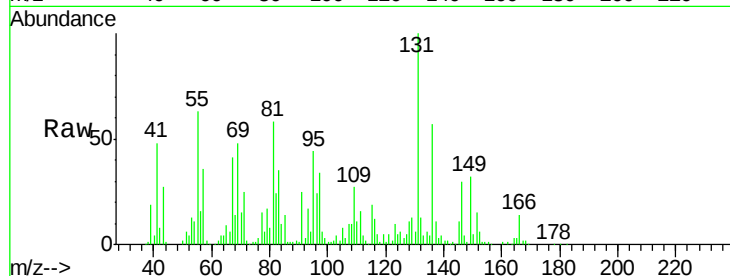
Ion Ratio Lower Upper

136 100

137 19.4 9.1 13.7#

54 18.8 6.6 10.0#

68 24.3 5.1 7.7#

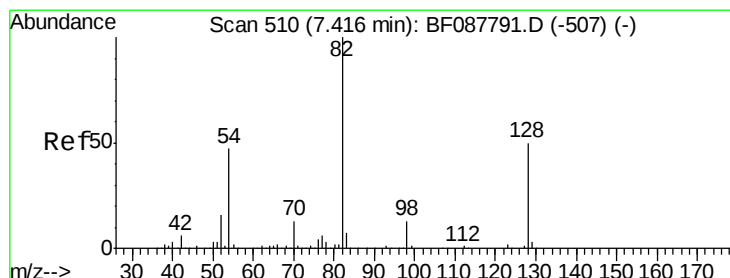
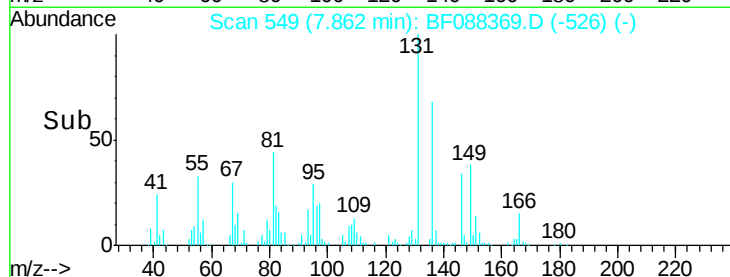
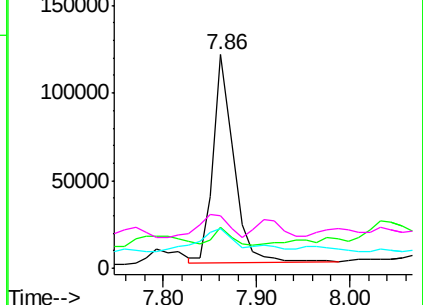


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 130.53 ng

RT: 7.14 min Scan# 486

Delta R.T. -0.03 min

Lab File: BF088369.D

Acq: 25 Jun 2016 11:27

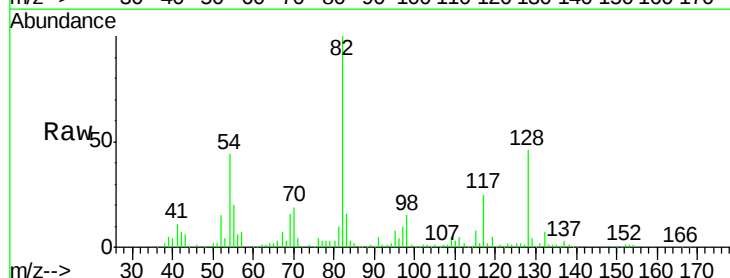
Tgt Ion: 82 Resp: 408923

Ion Ratio Lower Upper

82 100

128 45.6 35.9 53.9

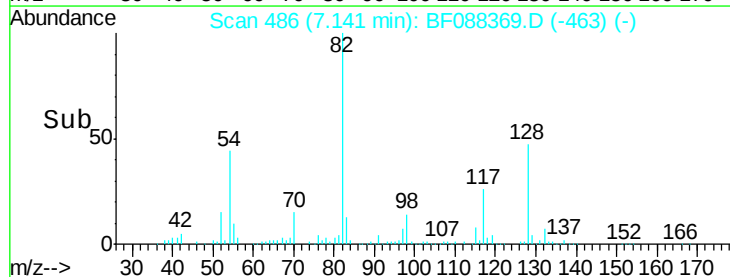
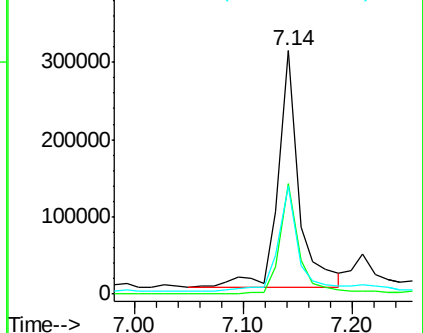
54 44.2 40.9 61.3

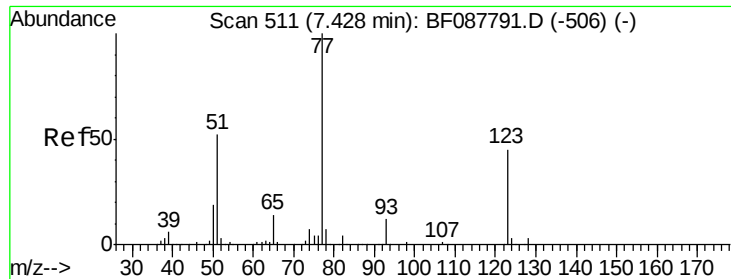


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

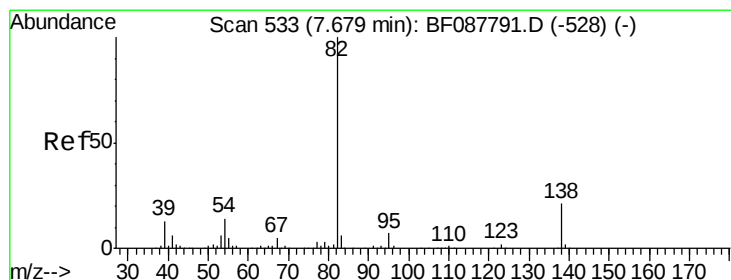
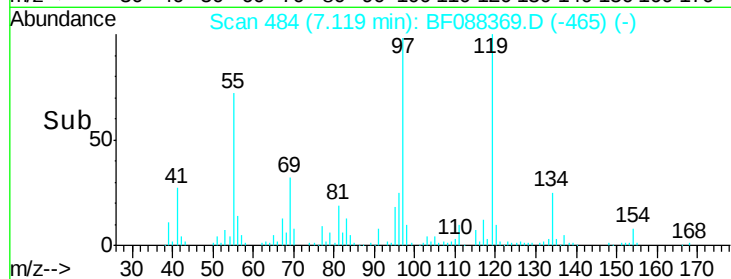
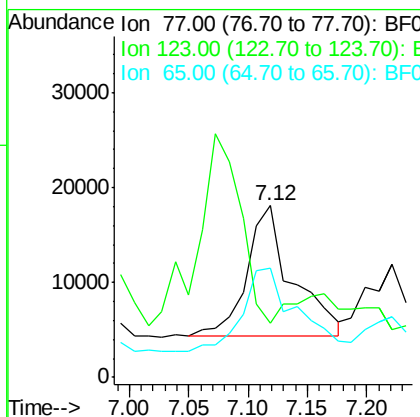
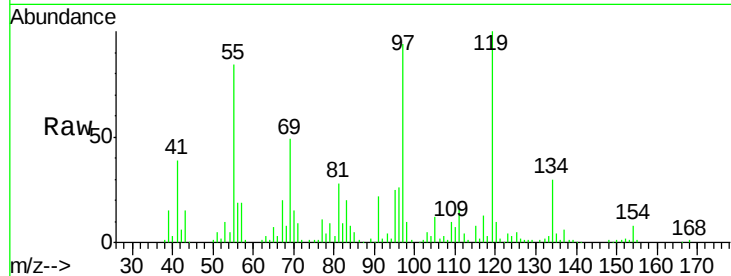




#24
 Nitrobenzene
 Concen: 12.22 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.08 min
 Lab File: BF088369.D
 Acq: 25 Jun 2016 11:27

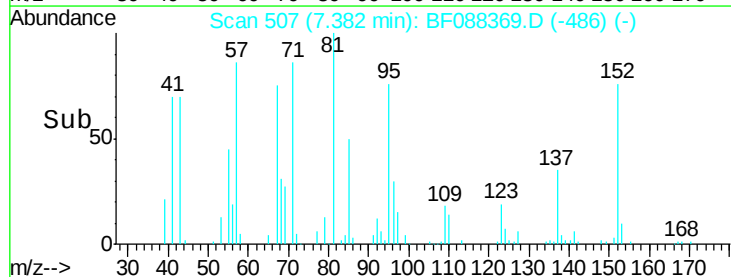
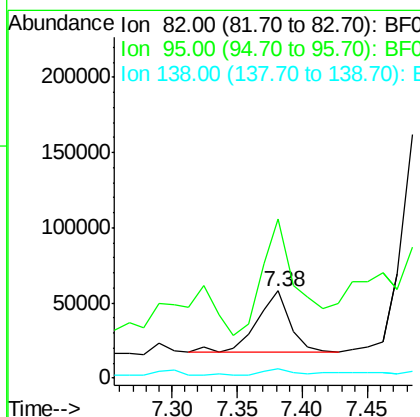
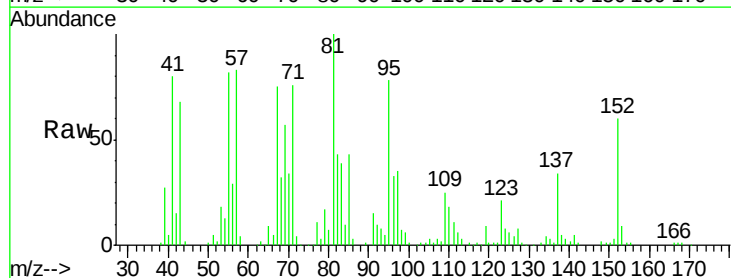
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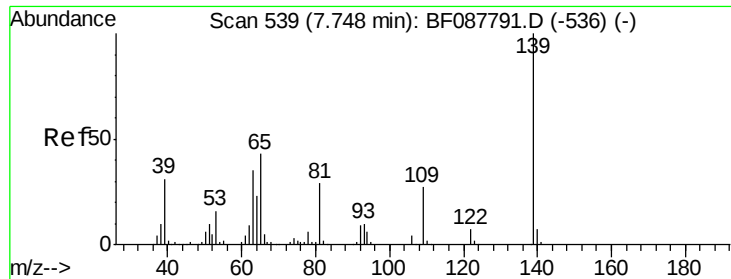
Tgt Ion: 77 Resp: 37067
 Ion Ratio Lower Upper
 77 100
 123 31.2 45.0 67.4#
 65 63.5 10.2 15.2#



#25
 Isophorone
 Concen: 12.68 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.06 min
 Lab File: BF088369.D
 Acq: 25 Jun 2016 11:27

Tgt Ion: 82 Resp: 73556
 Ion Ratio Lower Upper
 82 100
 95 183.1 5.4 8.2#
 138 10.9 14.6 21.8#

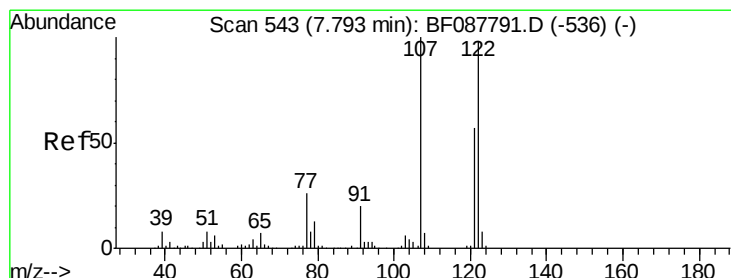
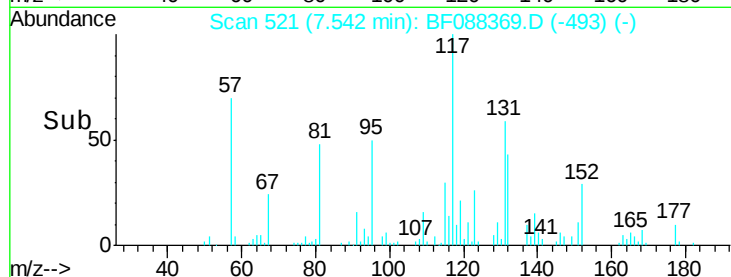
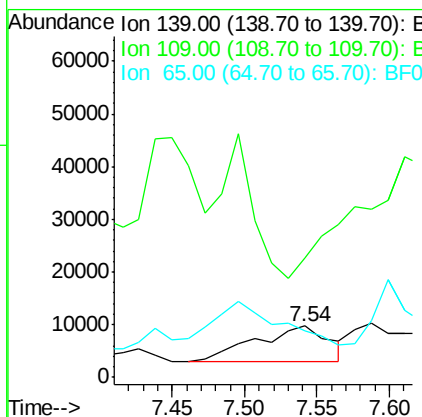
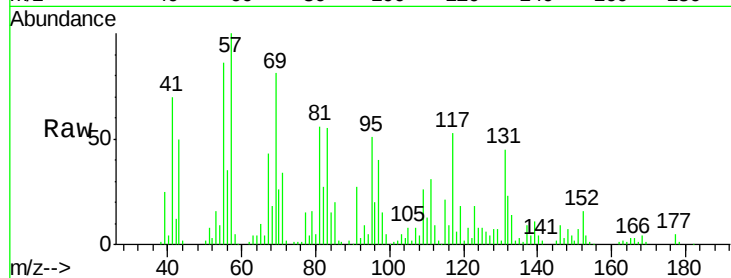




#26
2-Nitrophenol
Concen: 14.57 ng
RT: 7.54 min Scan# 521
Delta R.T. 0.02 min
Lab File: BF088369.D
Acq: 25 Jun 2016 11:27

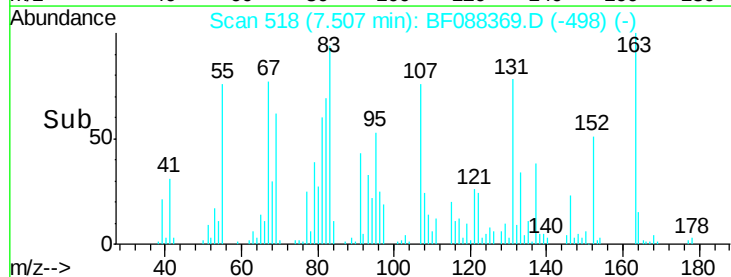
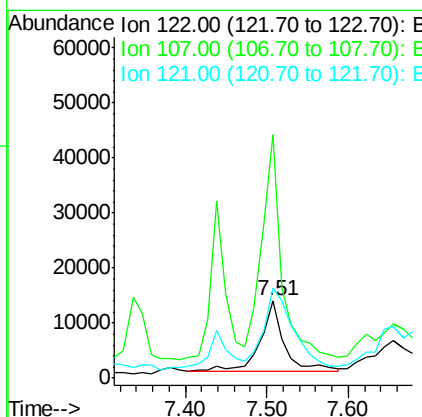
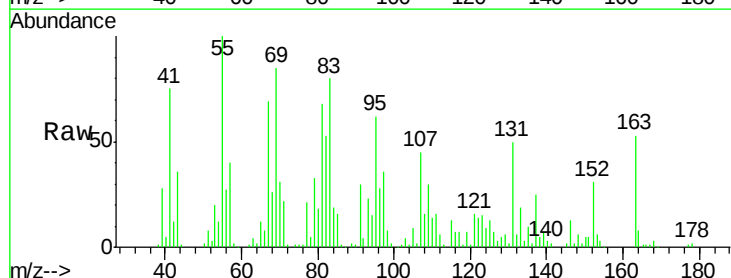
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LOCATION-5B(7-9)

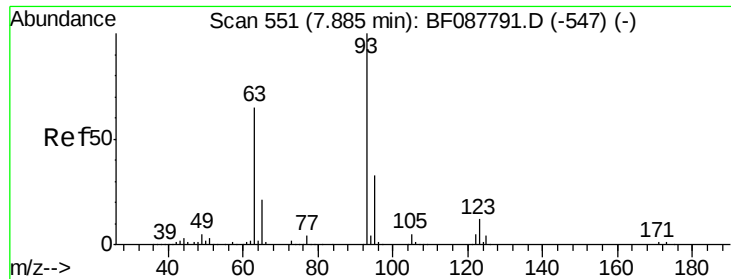
Tgt Ion:139 Resp: 23679
Ion Ratio Lower Upper
139 100
109 234.7 23.0 34.4#
65 90.5 45.8 68.8#



#27
2,4-Dimethylphenol
Concen: 9.03 ng
RT: 7.51 min Scan# 518
Delta R.T. -0.07 min
Lab File: BF088369.D
Acq: 25 Jun 2016 11:27

Tgt Ion:122 Resp: 27013
Ion Ratio Lower Upper
122 100
107 315.1 82.4 123.6#
121 116.7 46.3 69.5#

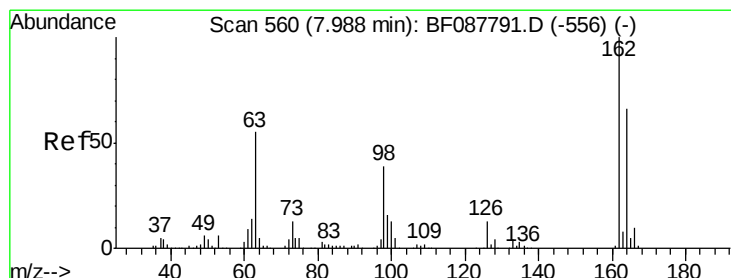
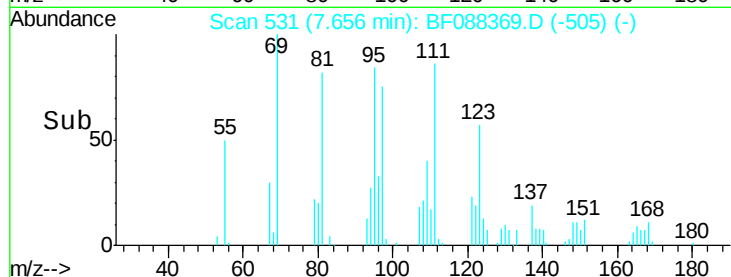
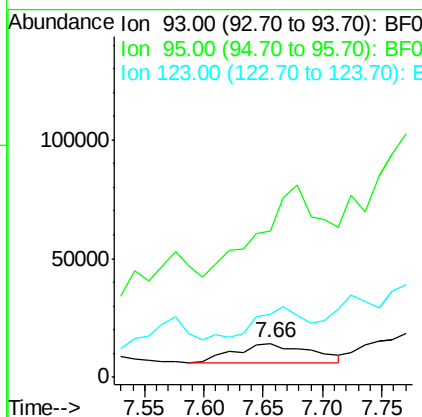
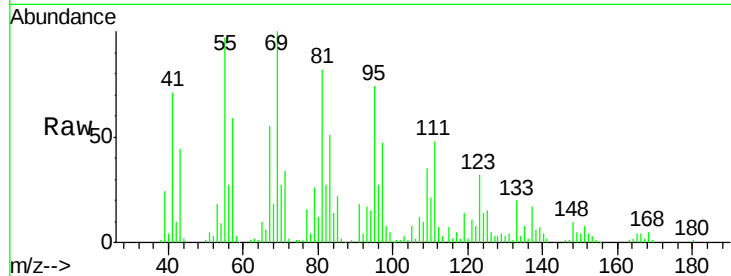




#28
bis(2-Chloroethoxy)methane
Concen: 10.16 ng
RT: 7.66 min Scan# 531
Delta R.T. -0.00 min
Lab File: BF088369.D
Acq: 25 Jun 2016 11:27

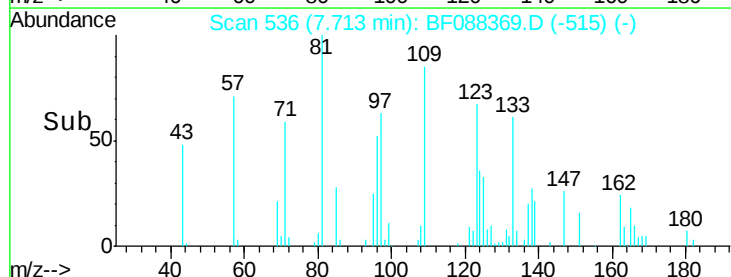
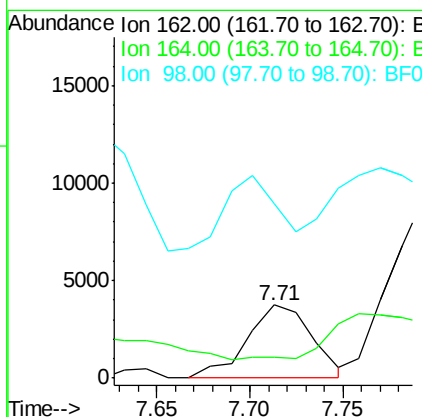
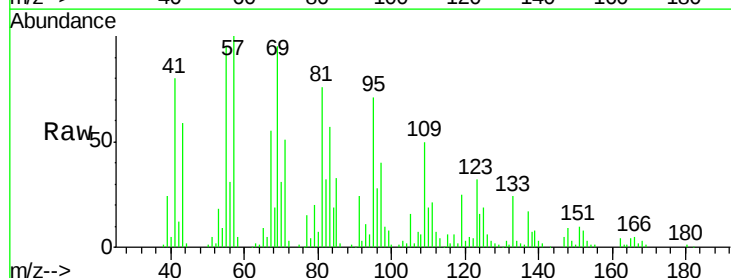
Instrument :
BNA_F
ClientSampleId :
LOCATION-5B(7-9)

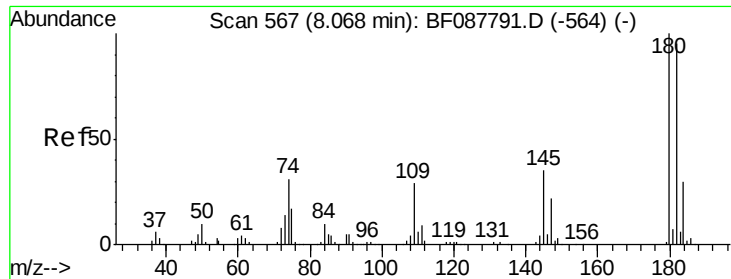
Tgt Ion: 93 Resp: 36572
Ion Ratio Lower Upper
93 100
95 434.9 26.5 39.7#
123 188.0 11.6 17.4#



#29
2,4-Dichlorophenol
Concen: 3.63 ng
RT: 7.71 min Scan# 536
Delta R.T. -0.06 min
Lab File: BF088369.D
Acq: 25 Jun 2016 11:27

Tgt Ion: 162 Resp: 9064
Ion Ratio Lower Upper
162 100
164 28.6 43.8 83.8#
98 238.1 21.3 61.3#

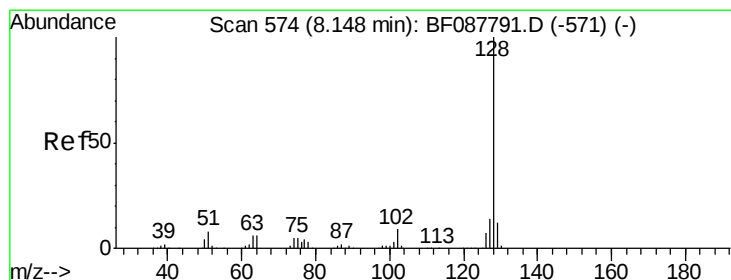
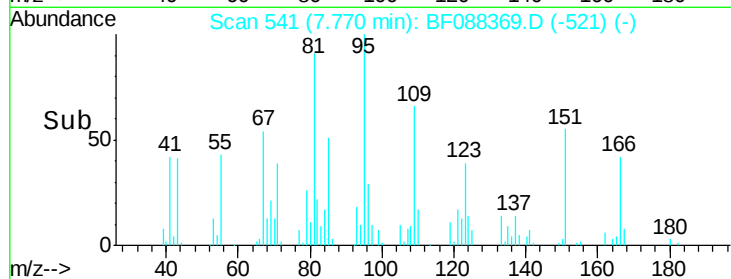
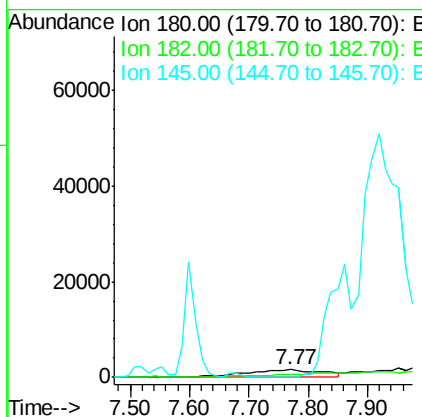
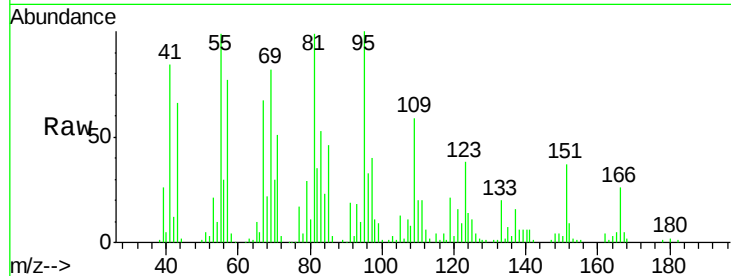




#30
 1,2,4-Trichlorobenzene
 Concen: 5.38 ng
 RT: 7.77 min Scan# 541
 Delta R.T. -0.07 min
 Lab File: BF088369.D
 Acq: 25 Jun 2016 11:27

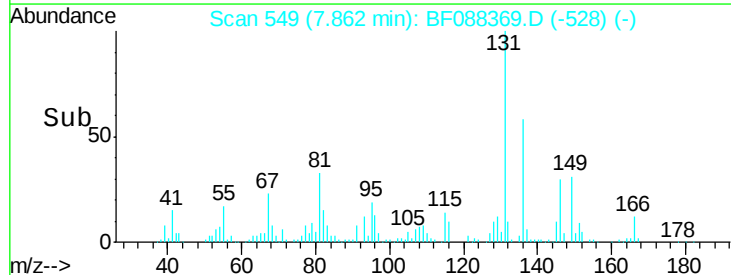
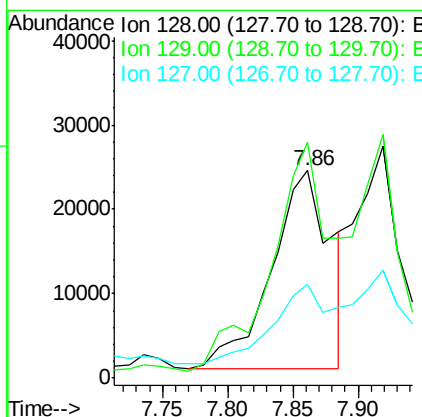
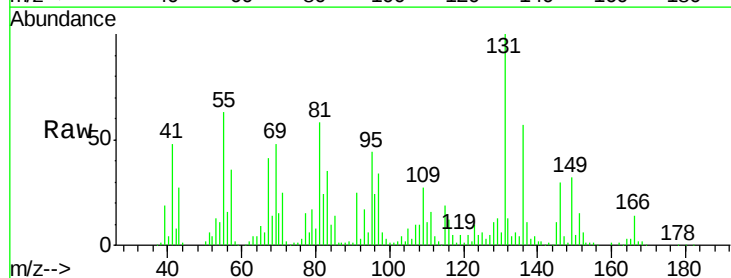
Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5B(7-9)

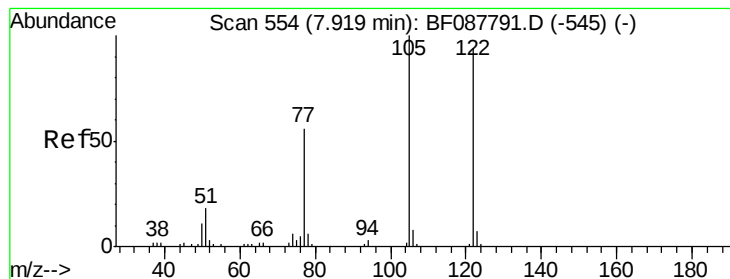
Tgt Ion:180 Resp: 14633
 Ion Ratio Lower Upper
 180 100
 182 42.8 76.0 114.0#
 145 0.0 26.5 39.7#



#31
 Naphthalene
 Concen: 8.24 ng
 RT: 7.86 min Scan# 549
 Delta R.T. -0.06 min
 Lab File: BF088369.D
 Acq: 25 Jun 2016 11:27

Tgt Ion:128 Resp: 74586
 Ion Ratio Lower Upper
 128 100
 129 113.7 9.4 14.2#
 127 45.5 10.9 16.3#





#32

Benzoic acid

Concen: 10.47 ng

RT: 7.66 min Scan# 531

Delta R.T. -0.07 min

Lab File: BF088369.D

Acq: 25 Jun 2016 11:27

Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(7-9)

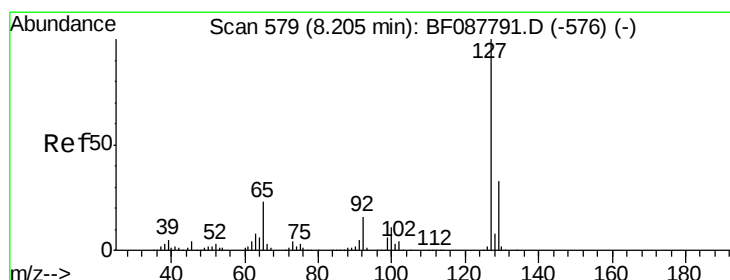
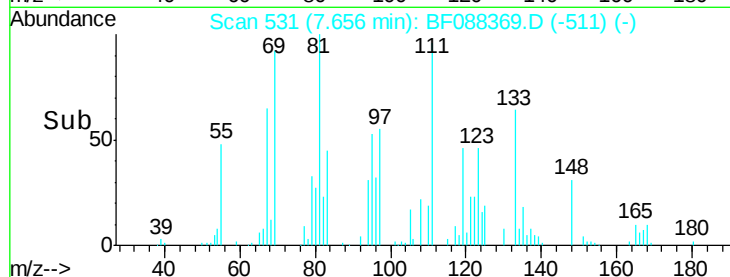
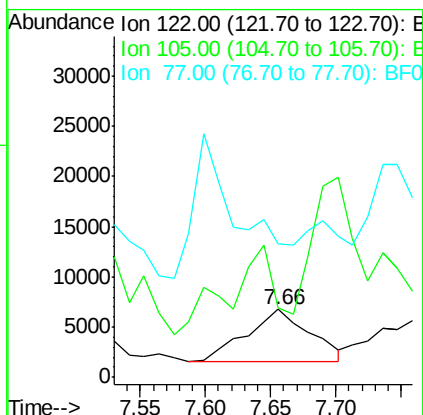
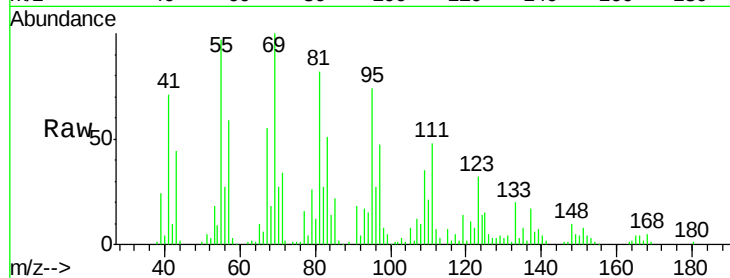
Tgt Ion:122 Resp: 17256

Ion Ratio Lower Upper

122 100

105 102.7 101.6 141.6

77 196.2 70.6 110.6#



#33

4-Chloroaniline

Concen: 6.06 ng

RT: 7.92 min Scan# 554

Delta R.T. -0.06 min

Lab File: BF088369.D

Acq: 25 Jun 2016 11:27

Tgt Ion:127 Resp: 24486

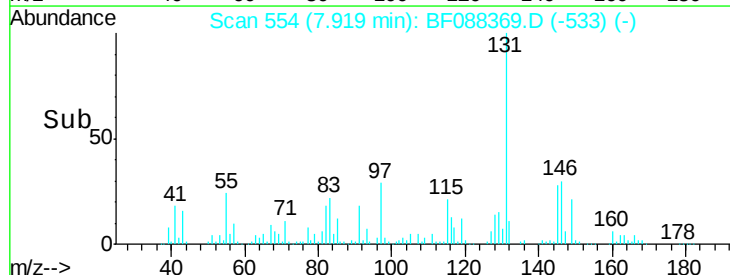
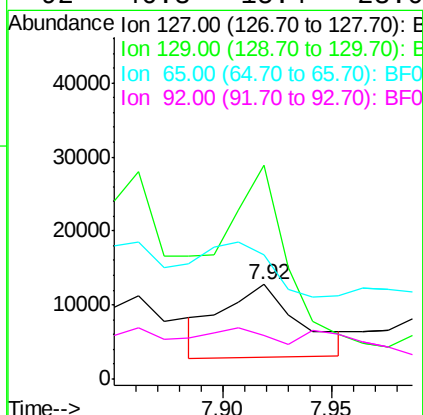
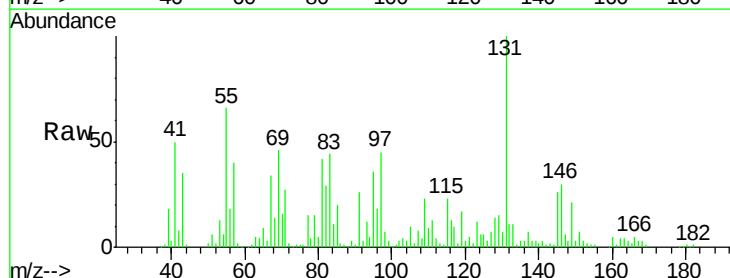
Ion Ratio Lower Upper

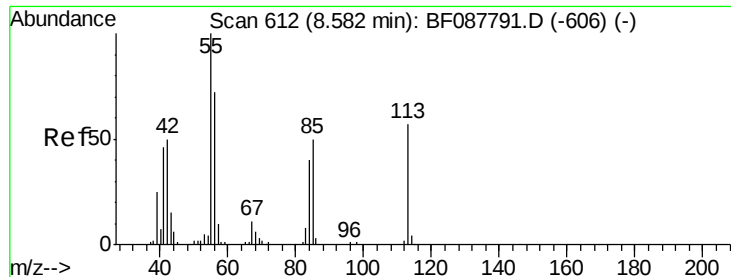
127 100

129 226.4 26.3 39.5#

65 131.7 24.7 37.1#

92 46.3 15.4 23.0#

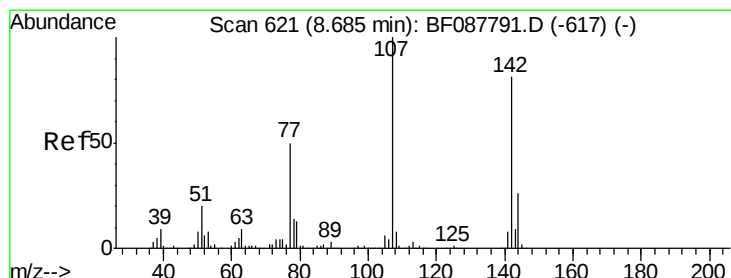
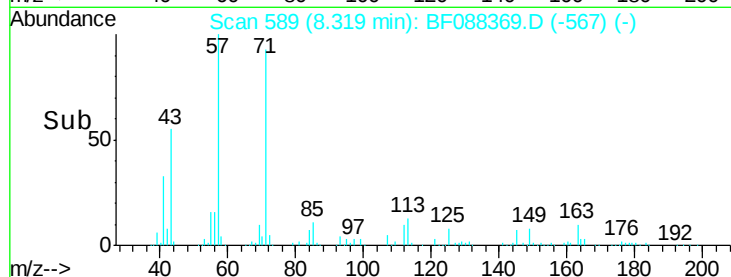
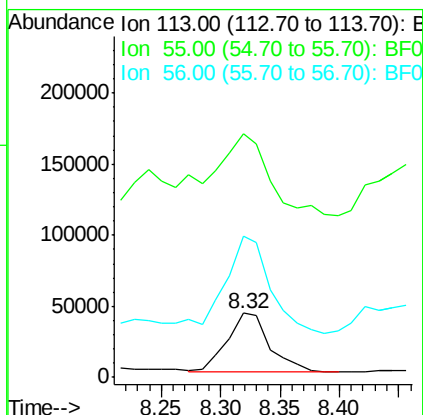
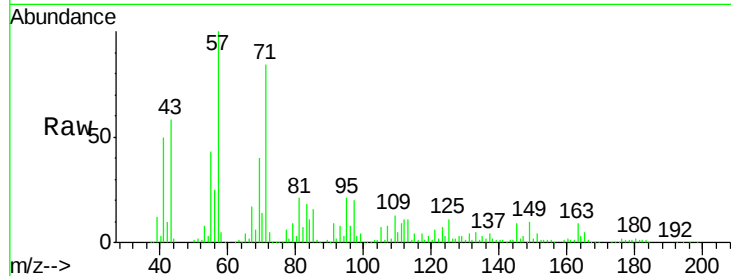




#35
 Caprolactam
 Concen: 126.80 ng
 RT: 8.32 min Scan# 589
 Delta R.T. -0.05 min
 Lab File: BF088369.D
 Acq: 25 Jun 2016 11:27

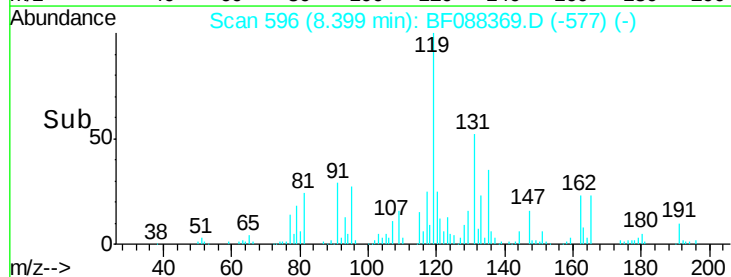
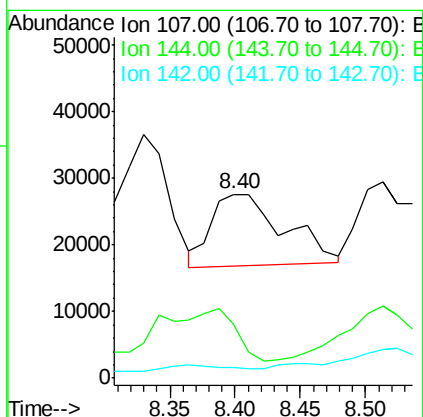
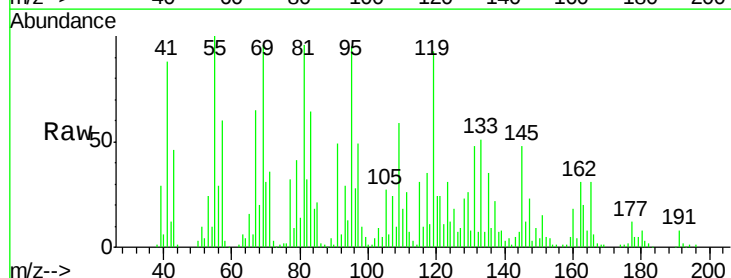
Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5B(7-9)

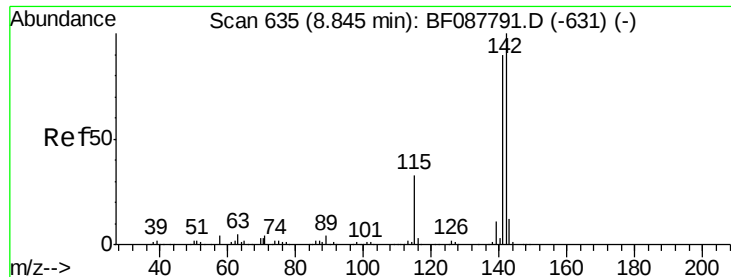
Tgt Ion:113 Resp: 104959
 Ion Ratio Lower Upper
 113 100
 55 379.4 158.6 198.6#
 56 221.1 110.6 150.6#



#36
 4-Chloro-3-methylphenol
 Concen: 15.48 ng
 RT: 8.40 min Scan# 596
 Delta R.T. -0.08 min
 Lab File: BF088369.D
 Acq: 25 Jun 2016 11:27

Tgt Ion:107 Resp: 41359
 Ion Ratio Lower Upper
 107 100
 144 29.2 20.8 31.2
 142 5.6 63.4 95.2#

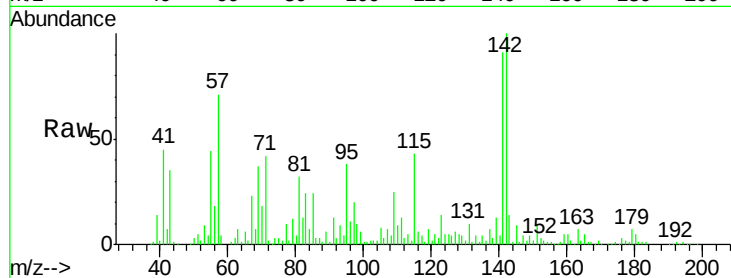




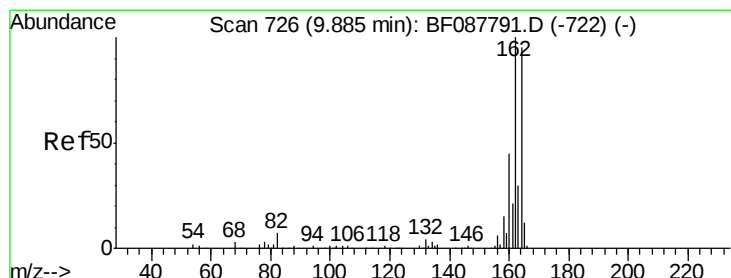
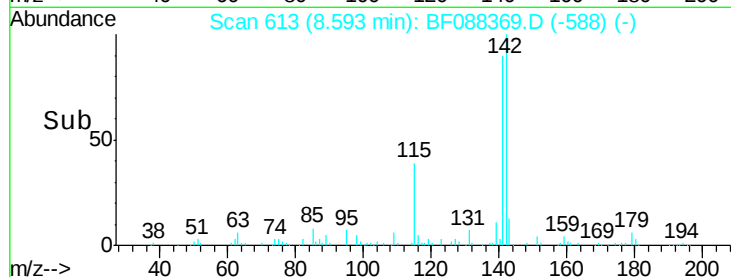
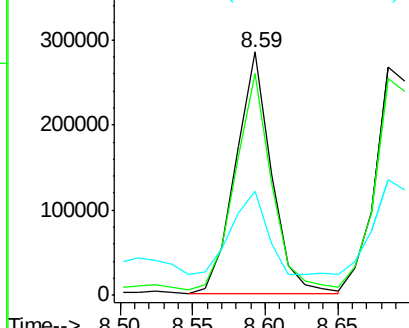
#37
 2-Methylnaphthalene
 Concen: 81.33 ng
 RT: 8.59 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF088369.D
 Acq: 25 Jun 2016 11:27

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5B(7-9)

Tgt Ion:142 Resp: 485293
 Ion Ratio Lower Upper
 142 100
 141 90.9 71.0 106.6
 115 42.9 22.6 33.8#

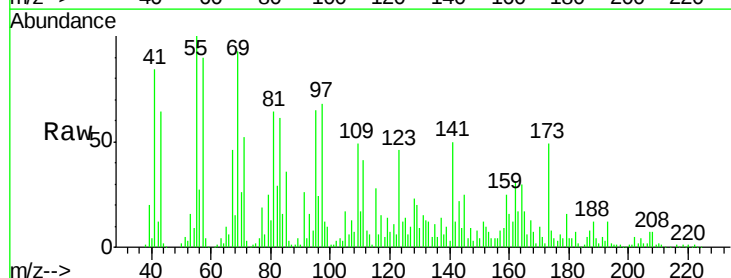


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

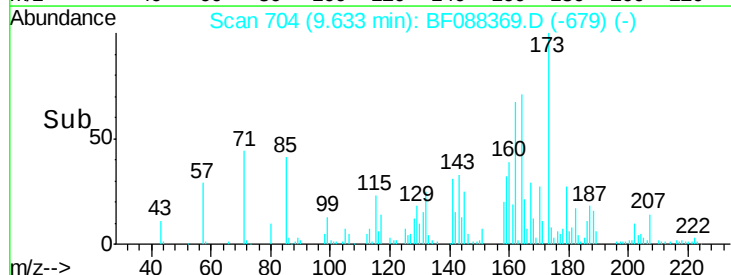
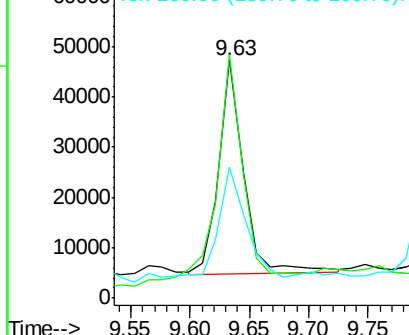


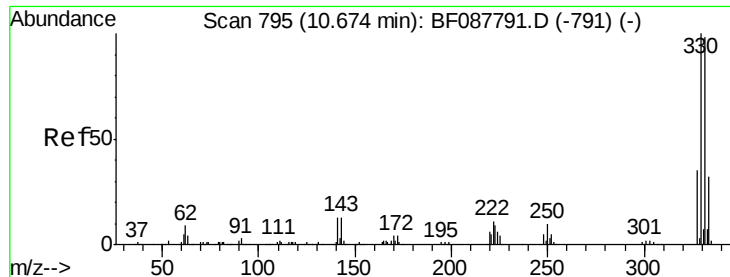
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: BF088369.D
 Acq: 25 Jun 2016 11:27

Tgt Ion:164 Resp: 61986
 Ion Ratio Lower Upper
 164 100
 162 102.3 85.4 128.2
 160 54.9 39.5 59.3



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

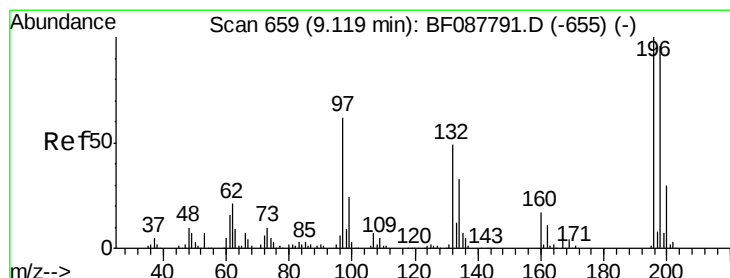
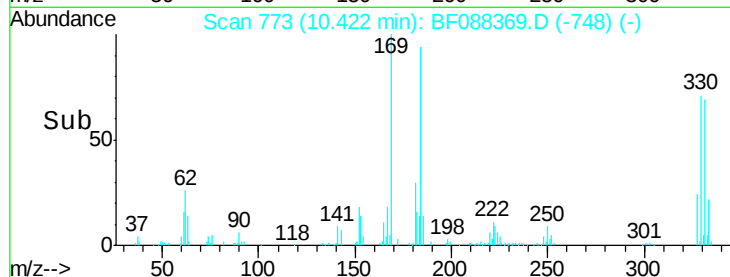
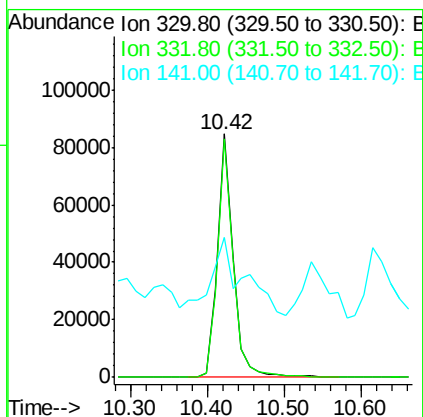
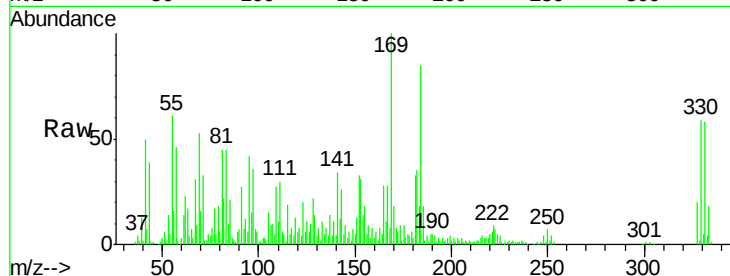




#41
 2,4,6-Tribromophenol
 Concen: 186.16 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF088369.D
 Acq: 25 Jun 2016 11:27

Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5B(7-9)

Tgt Ion:330 Resp: 121842
 Ion Ratio Lower Upper
 330 100
 332 97.5 0.0 0.0#
 141 59.3 0.0 0.0#



#42
 2,4,6-Trichlorophenol
 Concen: 6.96 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF088369.D
 Acq: 25 Jun 2016 11:27

Tgt Ion:196 Resp: 8629
 Ion Ratio Lower Upper
 196 100
 198 0.0 78.0 117.0#
 200 0.0 25.4 38.2#

