

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072516\
 Data File : BF089292.D
 Acq On : 25 Jul 2016 22:43
 Operator : UM/SJ
 Sample : H4207-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NW-2

Quant Time: Jul 26 00:59:30 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 16:56:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	51942	20.00	ng	0.00
21) Naphthalene-d8	7.87	136	152275	20.00	ng	0.02
38) Acenaphthene-d10	9.63	164	75603	20.00	ng	0.03
63) Phenanthrene-d10	11.11	188	112179	20.00	ng	0.03
75) Chrysene-d12	13.68	240	96927	20.00	ng	-0.01
86) Perylene-d12	15.02	264	82861	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.14	112	371073	108.65	ng	0.00
7) Phenol-d6	6.23	99	471152	106.98	ng	0.00
23) Nitrobenzene-d5	7.15	82	307162	107.18	ng	0.01
41) 2,4,6-Tribromophenol	10.43	330	62020	91.12	ng	0.05
44) 2-Fluorobiphenyl	8.96	172	326491	59.50	ng	0.02
78) Terphenyl-d14	12.66	244	279482	62.54	ng	0.01

Target Compounds

						Qvalue
9) Benzaldehyde	6.09	77	45854	17.14	ng	# 1
10) Phenol	6.24	94	11790	2.32	ng	# 1
15) Benzyl Alcohol	6.76	79	15369	4.77	ng	# 44
18) Hexachloroethane	7.16	117	587362	370.74	ng	# 33
19) n-Nitroso-di-n-propylamine	7.02	70	64184	22.28	ng	# 76
22) Acetophenone	6.99	105	650822	160.05	ng	# 59
24) Nitrobenzene	7.13	77	108744	35.98	ng	# 56
25) Isophorone	7.40	82	133293	25.24	ng	# 1
26) 2-Nitrophenol	7.56	139	39114	27.75	ng	# 1
27) 2,4-Dimethylphenol	7.53	122	17423	7.34	ng	# 34
28) bis(2-Chloroethoxy)methane	7.67	93	50638	15.33	ng	# 1
29) 2,4-Dichlorophenol	7.74	162	20710	9.68	ng	# 1
30) 1,2,4-Trichlorobenzene	7.77	180	12164	5.13	ng	# 74
31) Naphthalene	7.90	128	424000	51.59	ng	# 78
32) Benzoic acid	7.68	122	16042	8.78	ng	# 1
33) 4-Chloroaniline	8.02	127	15429	4.46	ng	# 1
35) Caprolactam	8.35	113	173683	261.28	ng	# 24
36) 4-Chloro-3-methylphenol	8.41	107	19221	7.45	ng	# 38
37) 2-Methylnaphthalene	8.60	142	466453	89.00	ng	# 93
42) 2,4,6-Trichlorophenol	8.89	196	12607	8.02	ng	# 11
43) 2,4,5-Trichlorophenol	8.89	196	12607	7.99	ng	# 1
45) 1,1'-Biphenyl	9.06	154	161031	23.65	ng	# 95
47) 2-Nitroaniline	9.20	65	25311	14.26	ng	# 1
48) Acenaphthylene	9.51	152	64259	7.90	ng	# 1
49) Dimethylphthalate	9.37	163	116242	20.04	ng	# 67
50) 2,6-Dinitrotoluene	9.43	165	18493	14.12	ng	# 1
51) Acenaphthene	9.67	154	128616	26.73	ng	# 87
52) 3-Nitroaniline	9.62	138	15609	10.03	ng	# 60
53) 2,4-Dinitrophenol	9.71	184	3621	13.38	ng	# 1
54) Dibenzofuran	9.85	168	143348	22.05	ng	# 1
55) 4-Nitrophenol	9.76	139	68480	72.76	ng	# 52
56) 2,4-Dinitrotoluene	9.85	165	66844	39.62	ng	# 64
57) Fluorene	10.18	166	257157	46.59	ng	# 81
59) Diethylphthalate	10.09	149	15190	2.64	ng	# 1

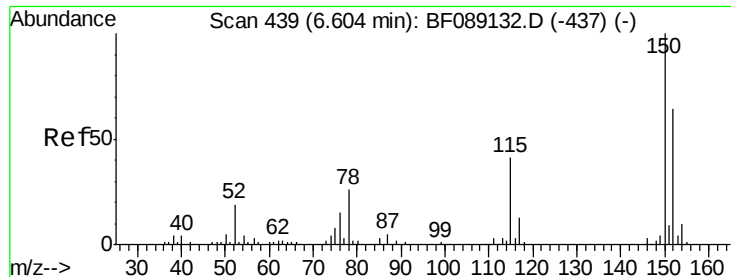
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072516\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) Azobenzene	10.34	77	36969	5.91	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.28	198	2841	4.35	ng	# 1
65) n-Nitrosodiphenylamine	10.31	169	398966	106.42	ng	# 49
68) Atrazine	10.84	200	7045	6.01	ng	# 1
69) Pentachlorophenol	10.90	266	1145	2.08	ng	# 24
70) Phenanthrene	11.13	178	738239	119.97	ng	# 94
71) Anthracene	11.22	178	109898	17.18	ng	# 1
72) Carbazole	11.45	167	16247	2.89	ng	# 1
74) Fluoranthene	12.51	202	22142	3.42	ng	79

(#) = 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. 0.00 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

Instrument :

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ClientSampleId :

NW-2

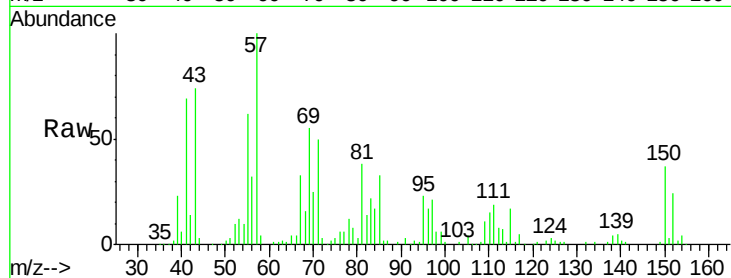
Tgt Ion:152 Resp: 51942

Ion Ratio Lower Upper

152 100

150 154.7 125.1 187.7

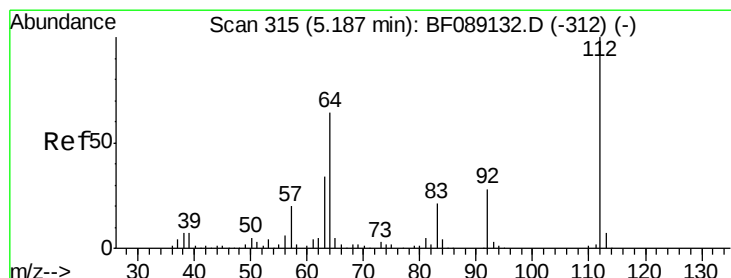
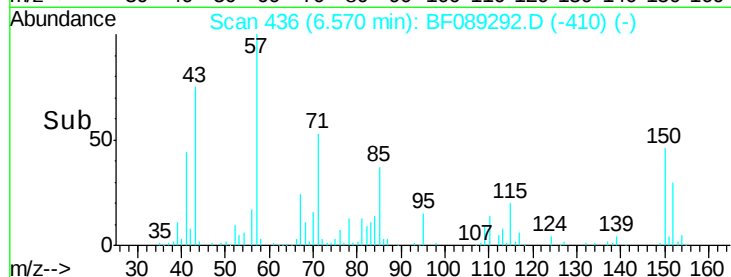
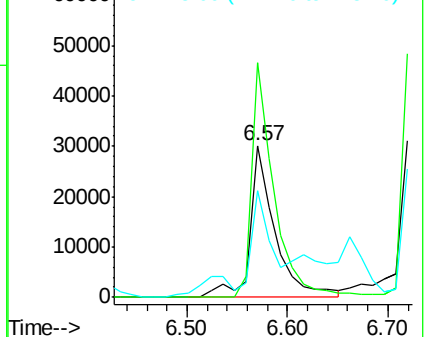
115 70.3 51.1 76.7



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: 108.65 ng

RT: 5.14 min Scan# 311

Delta R.T. 0.00 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

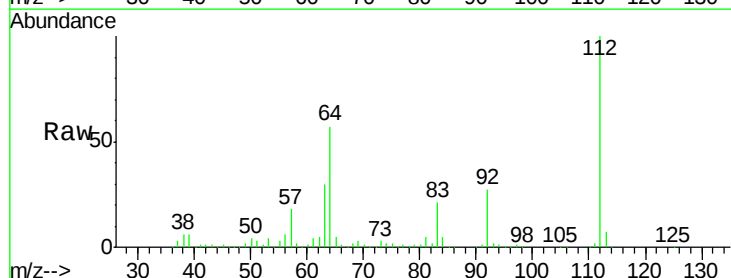
Tgt Ion:112 Resp: 371073

Ion Ratio Lower Upper

112 100

64 57.3 51.0 76.4

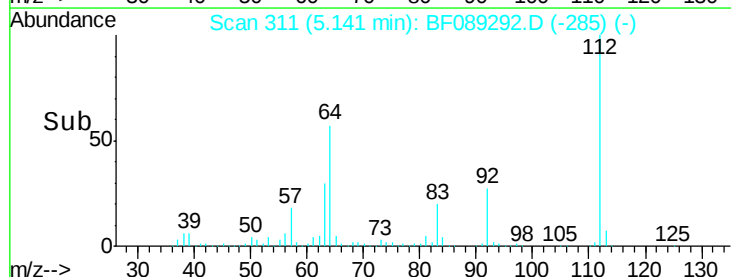
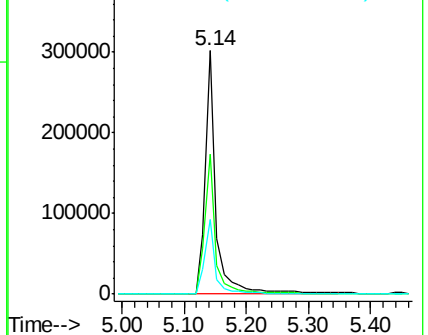
63 30.5 27.3 40.9

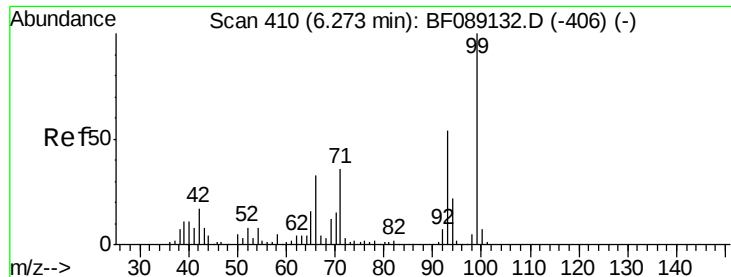


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.98 ng

RT: 6.23 min Scan# 406

Delta R.T. 0.00 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleId :

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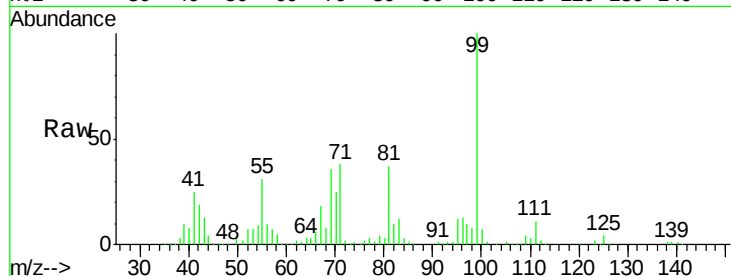
Tgt Ion: 99 Resp: 471152

Ion Ratio Lower Upper

99 100

42 18.6 13.5 20.3

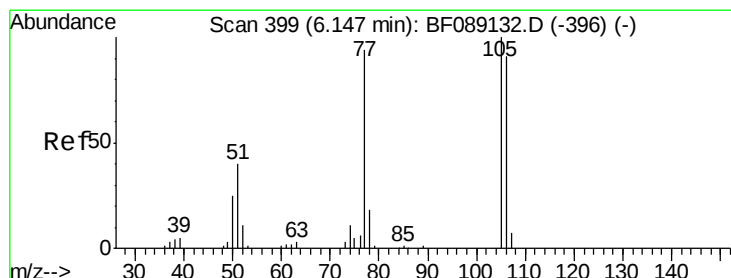
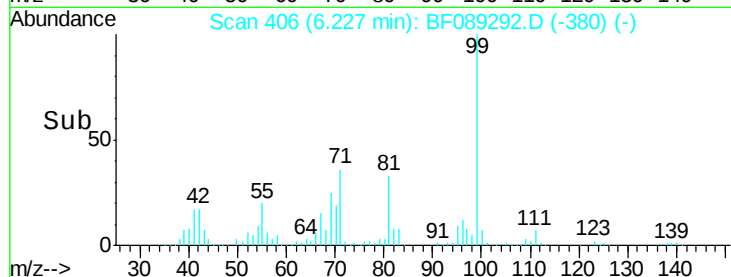
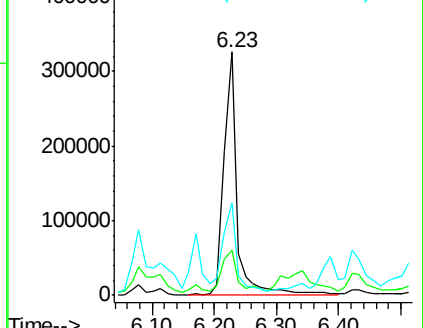
71 38.2 28.9 43.3



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



#9

Benzaldehyde

Concen: 17.14 ng

RT: 6.09 min Scan# 394

Delta R.T. -0.02 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

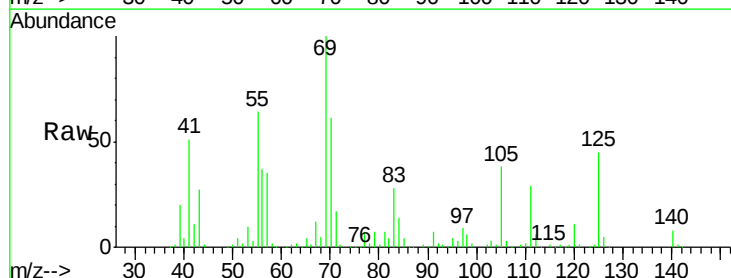
Tgt Ion: 77 Resp: 45854

Ion Ratio Lower Upper

77 100

105 527.9 86.2 126.2#

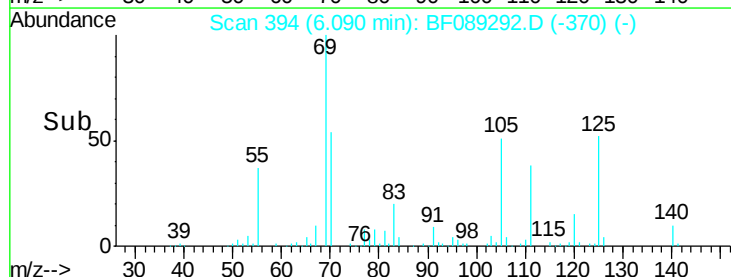
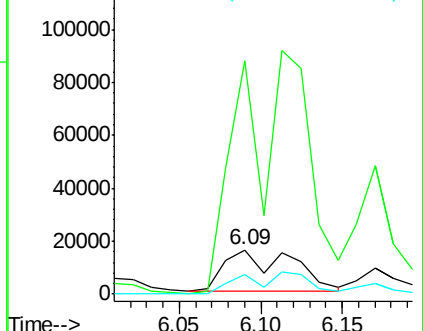
106 45.2 76.3 116.3#

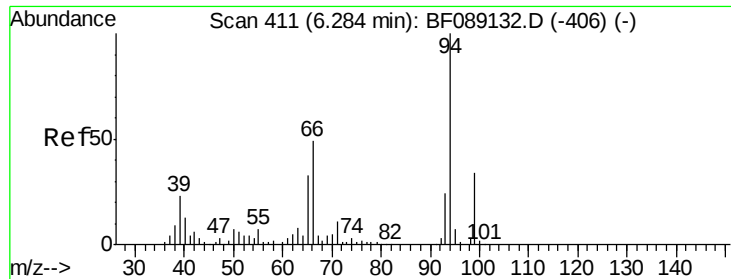


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.32 ng

RT: 6.24 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

Instrument :

BNA_F

ClientSampled :

NW-2

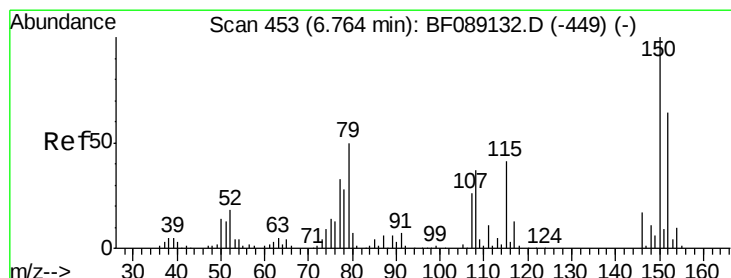
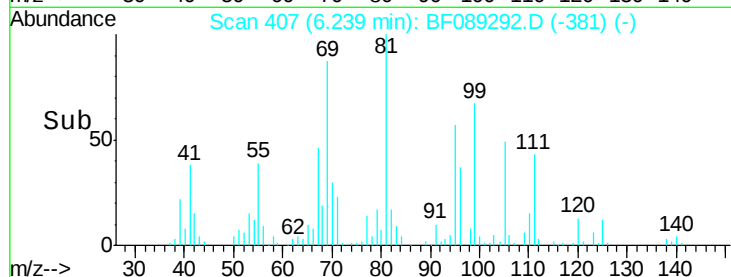
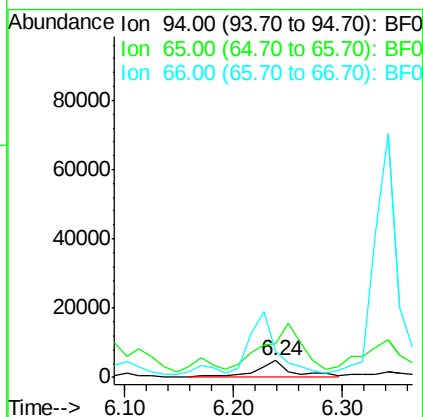
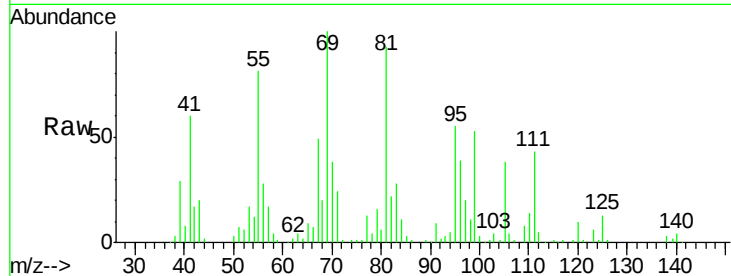
Tgt Ion: 94 Resp: 11790

Ion Ratio Lower Upper

94 100

65 203.8 13.3 53.3#

66 152.2 29.3 69.3#



#15

Benzyl Alcohol

Concen: 4.77 ng

RT: 6.76 min Scan# 453

Delta R.T. 0.03 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

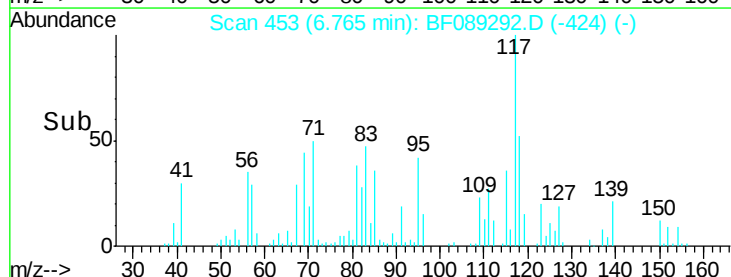
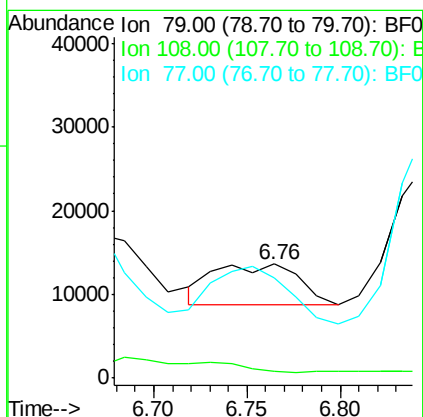
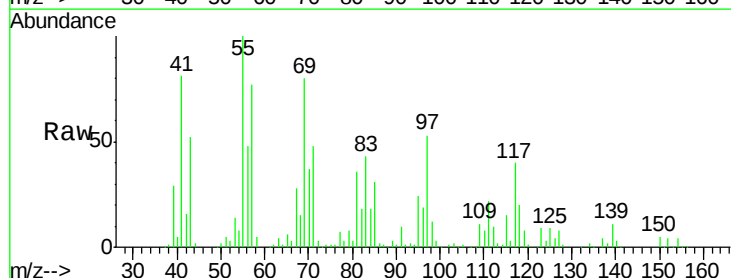
Tgt Ion: 79 Resp: 15369

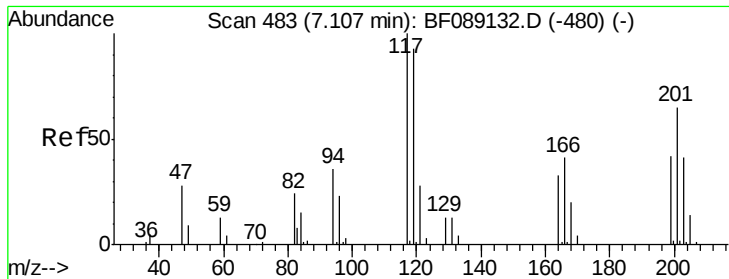
Ion Ratio Lower Upper

79 100

108 6.1 58.2 87.4#

77 88.3 52.2 78.4#

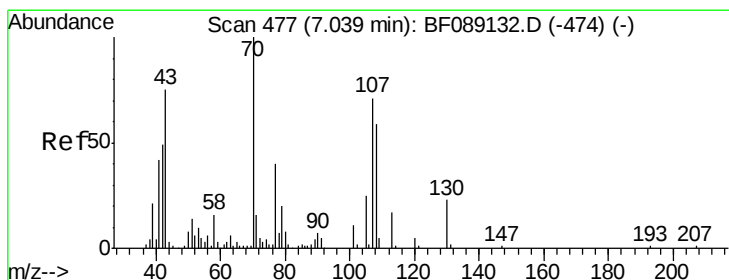
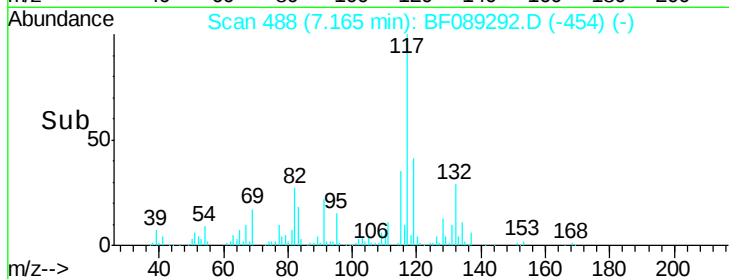
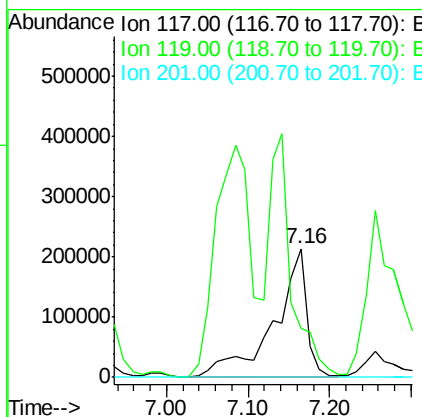
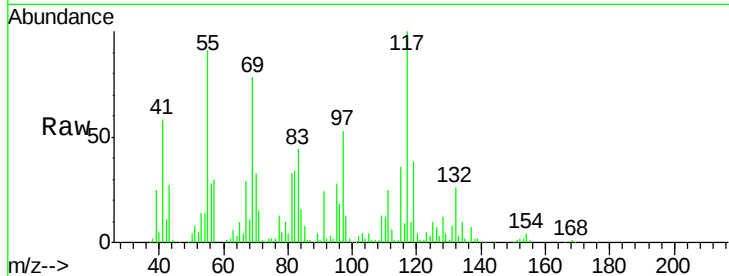




#18
Hexachloroethane
Concen: 370.74 ng
RT: 7.16 min Scan# 488
Delta R.T. 0.09 min
Lab File: BF089292.D
Acq: 25 Jul 2016 22:43

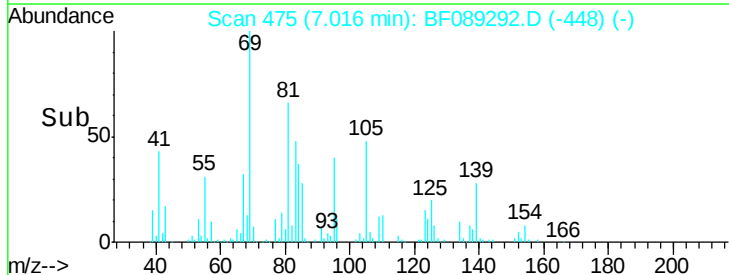
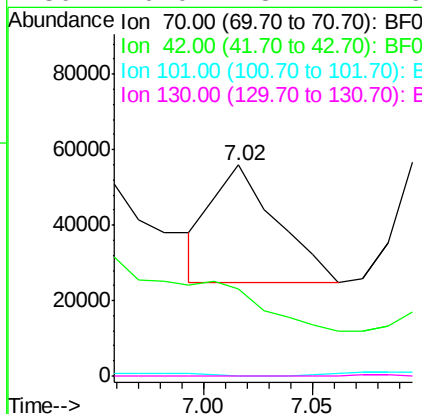
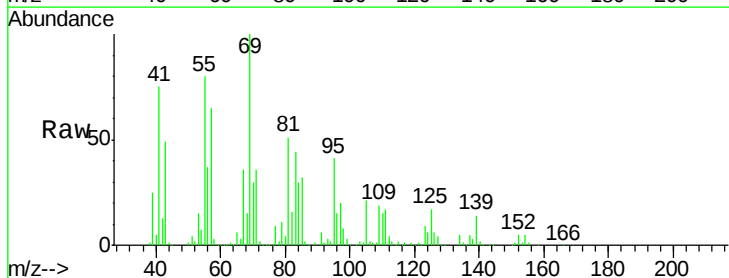
Instrument :
BNA_F
ClientSampleId :
NW-2

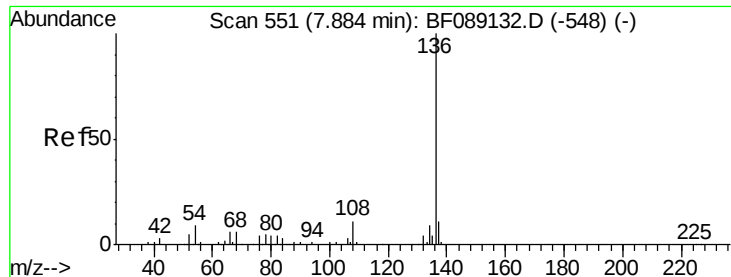
Tgt Ion: 117 Resp: 587362
Ion Ratio Lower Upper
117 100
119 38.1 74.5 111.7#
201 0.0 51.8 77.6#



#19
n-Nitroso-di-n-propylamine
Concen: 22.28 ng
RT: 7.02 min Scan# 475
Delta R.T. 0.01 min
Lab File: BF089292.D
Acq: 25 Jul 2016 22:43

Tgt Ion: 70 Resp: 64184
Ion Ratio Lower Upper
70 100
42 41.2 39.2 58.8
101 0.0 8.5 12.7#
130 0.0 18.4 27.6#

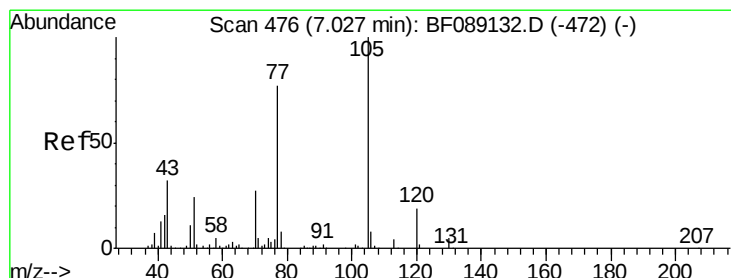
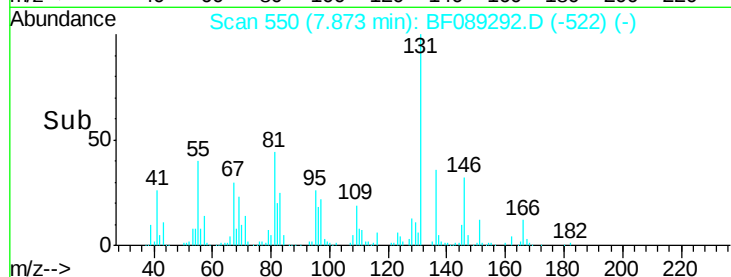
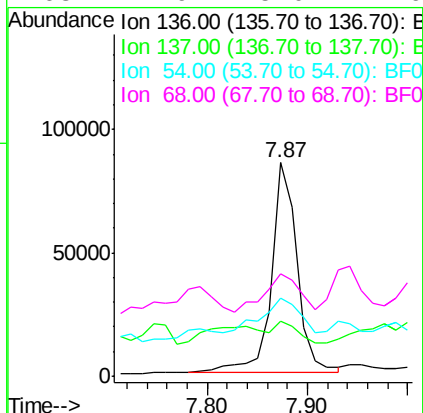
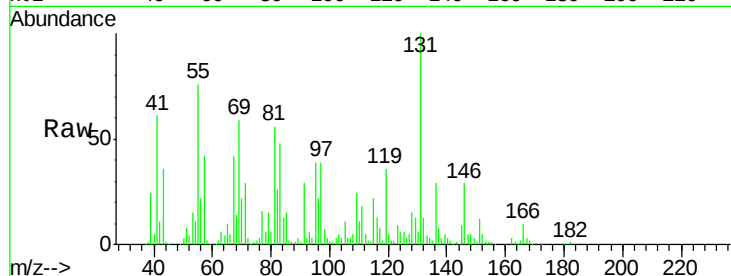




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.87 min Scan# 550
Delta R.T. 0.02 min
Lab File: BF089292.D
Acq: 25 Jul 2016 22:43

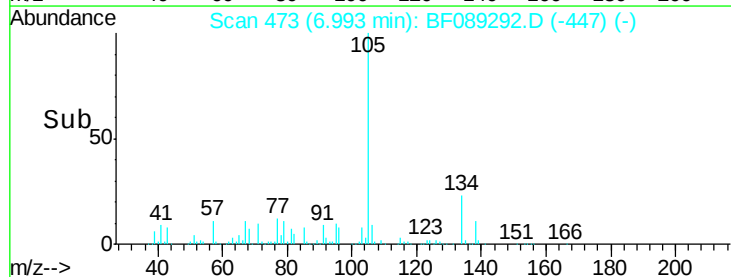
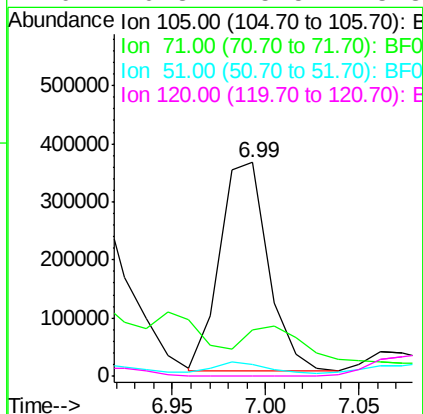
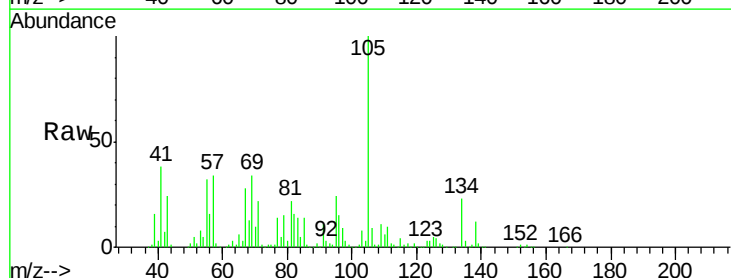
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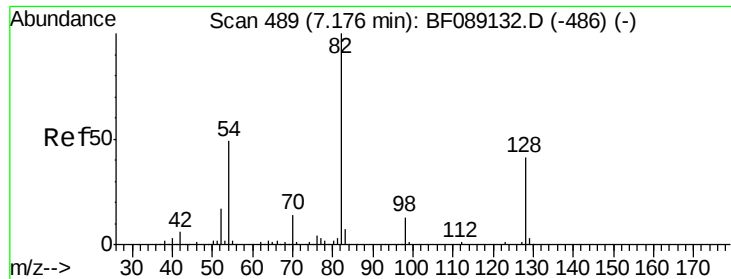
Tgt Ion:	136	Resp:	152275
Ion	Ratio	Lower	Upper
136	100		
137	26.0	8.8	13.2#
54	36.7	7.0	10.4#
68	47.9	5.0	7.6#



#22
Acetophenone
Concen: 160.05 ng
RT: 6.99 min Scan# 473
Delta R.T. 0.00 min
Lab File: BF089292.D
Acq: 25 Jul 2016 22:43

Tgt Ion:	105	Resp:	650822
Ion	Ratio	Lower	Upper
105	100		
71	21.8	3.8	5.6#
51	5.2	19.6	29.4#
120	0.3	15.5	23.3#

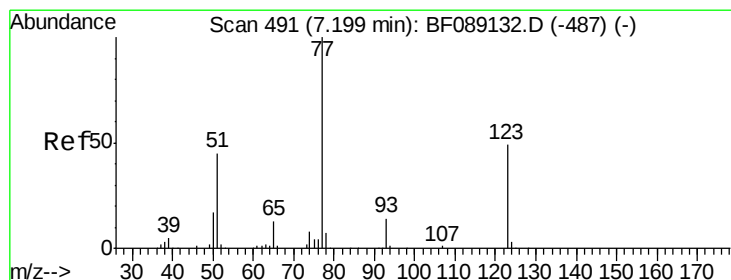
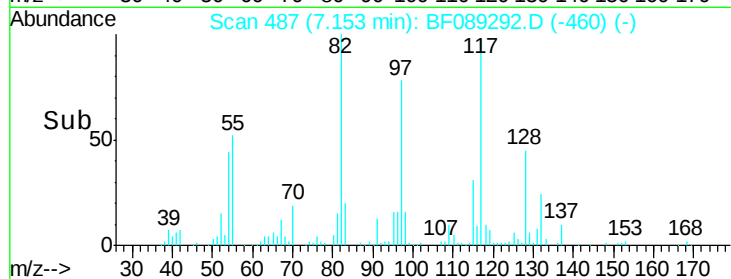
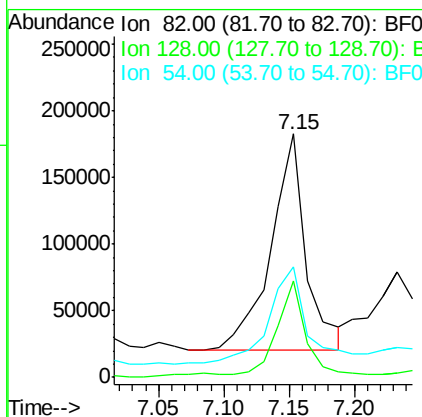
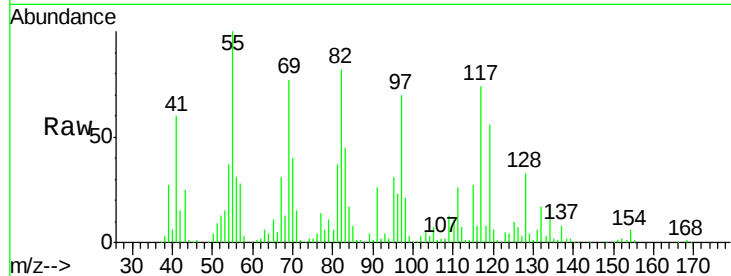




#23
Nitrobenzene-d5
Concen: 107.18 ng
RT: 7.15 min Scan# 487
Delta R.T. 0.01 min
Lab File: BF089292.D
Acq: 25 Jul 2016 22:43

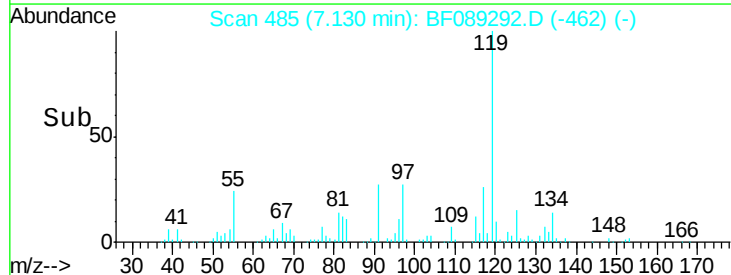
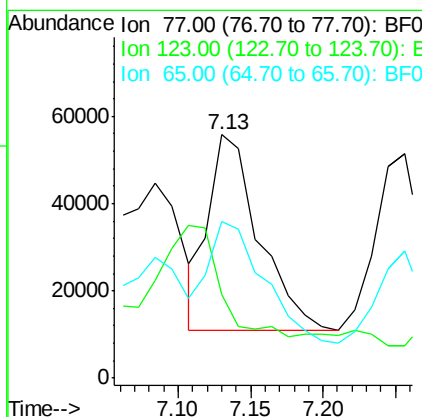
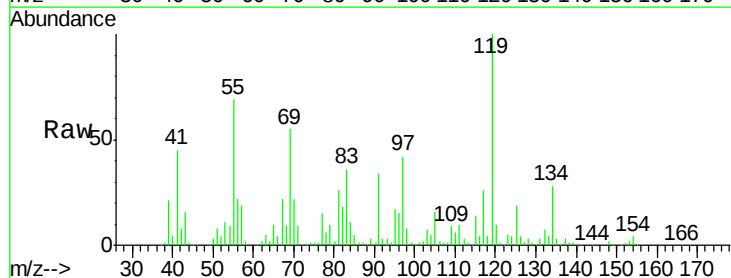
Instrument :
BNA_F
ClientSampled :
NW-2

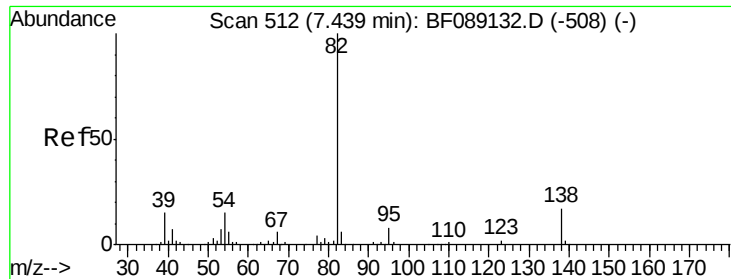
Tgt Ion: 82 Resp: 307162
Ion Ratio Lower Upper
82 100
128 39.8 33.0 49.6
54 45.4 39.0 58.4



#24
Nitrobenzene
Concen: 35.98 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.03 min
Lab File: BF089292.D
Acq: 25 Jul 2016 22:43

Tgt Ion: 77 Resp: 108744
Ion Ratio Lower Upper
77 100
123 34.3 38.9 58.3#
65 64.1 10.6 15.8#





#25

Isophorone

Concen: 25.24 ng

RT: 7.40 min Scan# 509

Delta R.T. 0.00 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleId :

NW-2

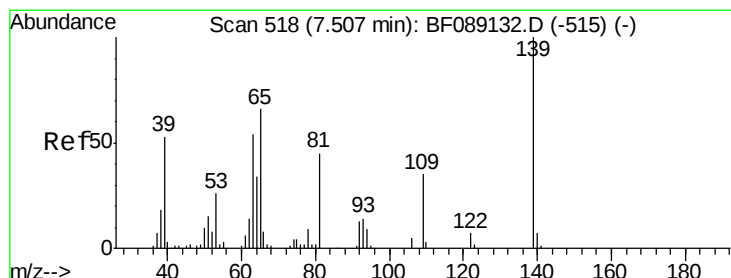
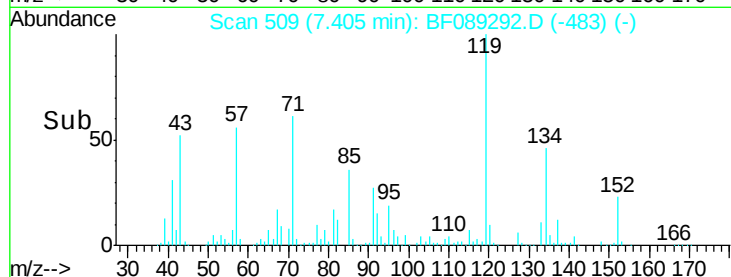
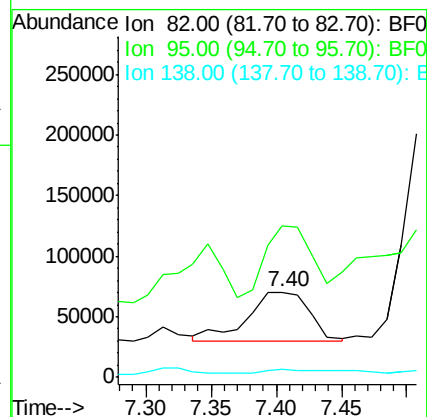
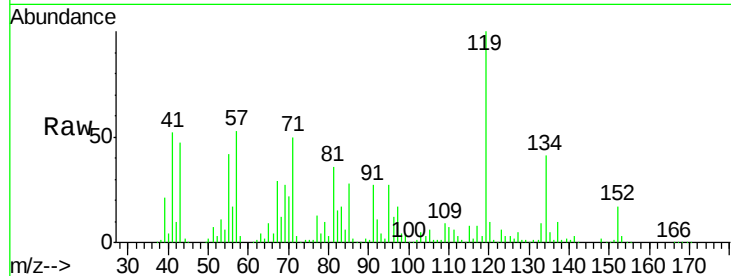
Tgt Ion: 82 Resp: 133293

Ion Ratio Lower Upper

82 100

95 178.0 6.1 9.1#

138 9.0 13.6 20.4#



#26

2-Nitrophenol

Concen: 27.75 ng

RT: 7.56 min Scan# 523

Delta R.T. 0.09 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

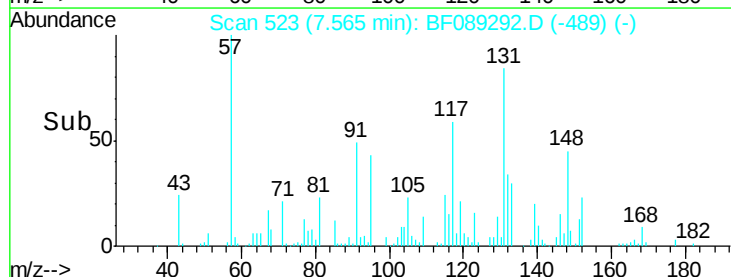
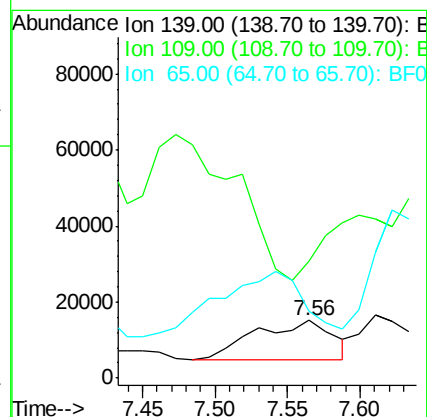
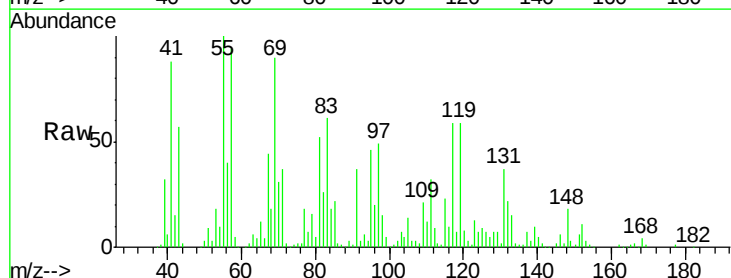
Tgt Ion: 139 Resp: 39114

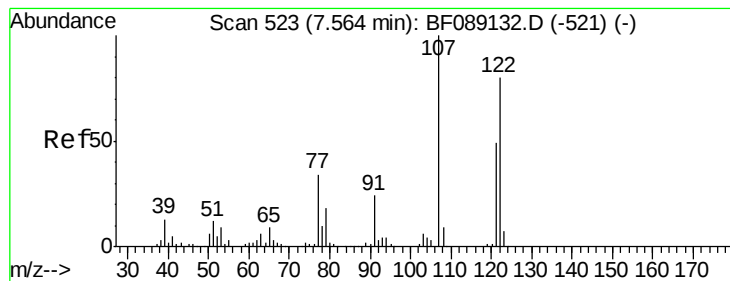
Ion Ratio Lower Upper

139 100

109 202.8 28.1 42.1#

65 116.2 52.7 79.1#





#27

2,4-Dimethylphenol

Concen: 7.34 ng

RT: 7.53 min Scan# 520

Delta R.T. 0.00 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleId :

NW-2

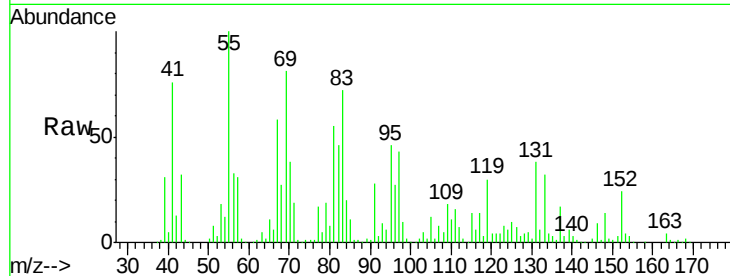
Tgt Ion: 122 Resp: 17423

Ion Ratio Lower Upper

122 100

107 210.1 99.7 149.5#

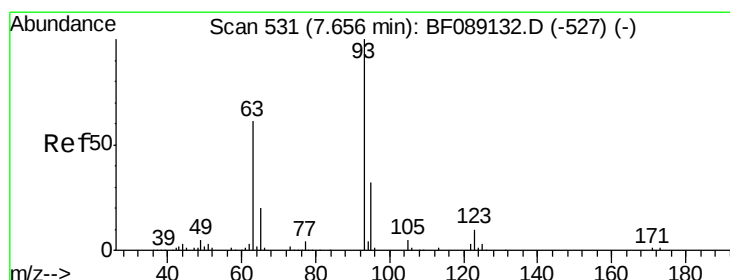
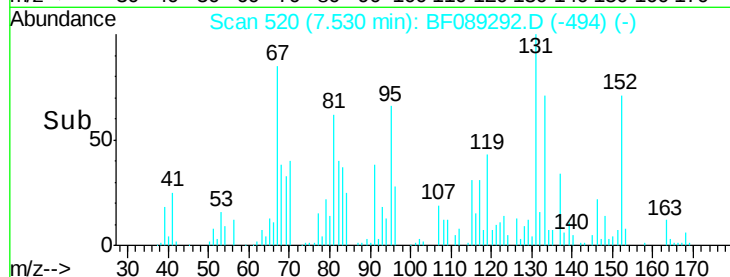
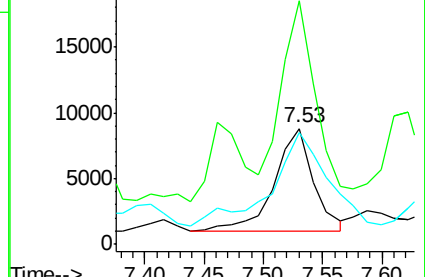
121 96.5 48.5 72.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 15.33 ng

RT: 7.67 min Scan# 532

Delta R.T. 0.05 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

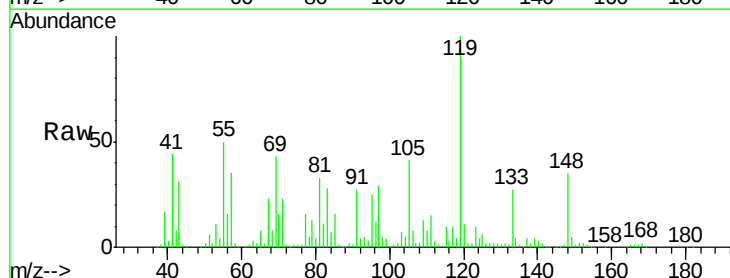
Tgt Ion: 93 Resp: 50638

Ion Ratio Lower Upper

93 100

95 518.4 25.4 38.0#

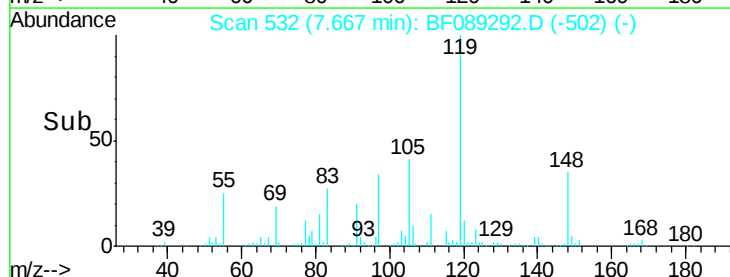
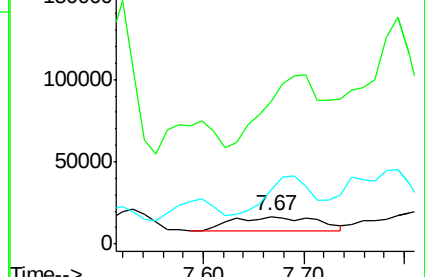
123 194.8 8.3 12.5#

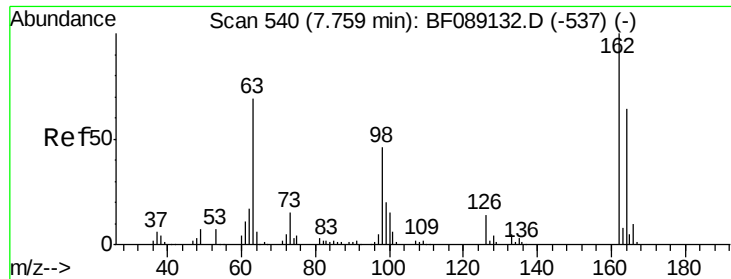


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 9.68 ng

RT: 7.74 min Scan# 538

Delta R.T. 0.01 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleId :

NW-2

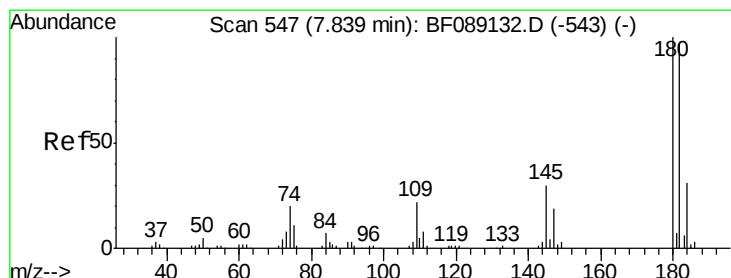
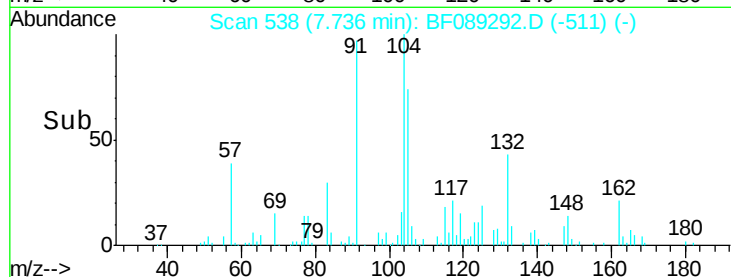
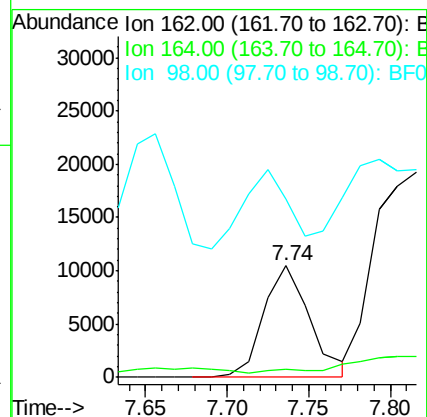
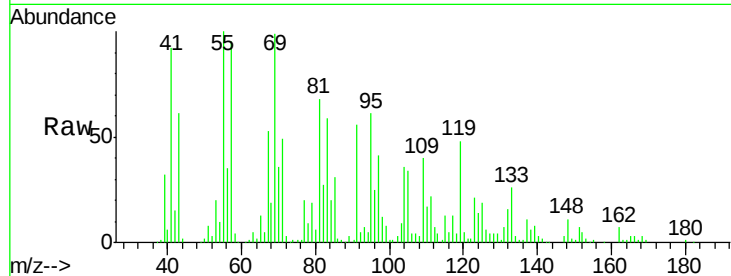
Tgt Ion:162 Resp: 20710

Ion Ratio Lower Upper

162 100

164 7.1 44.0 84.0#

98 160.4 26.0 66.0#



#30

1,2,4-Trichlorobenzene

Concen: 5.13 ng

RT: 7.77 min Scan# 541

Delta R.T. -0.03 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

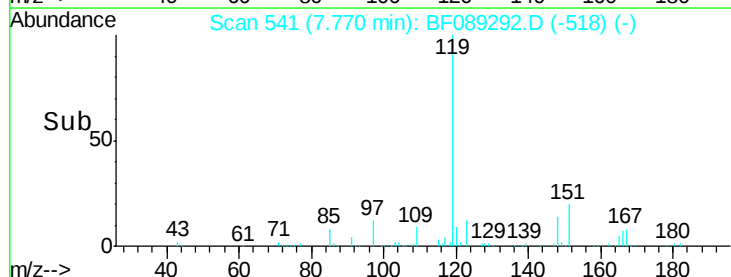
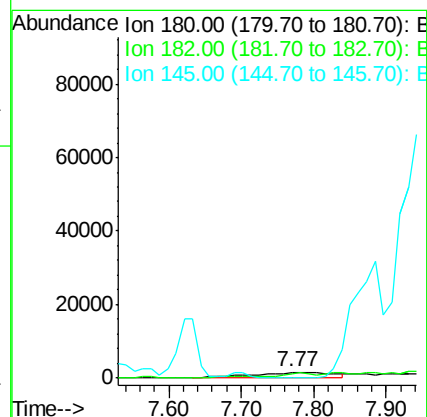
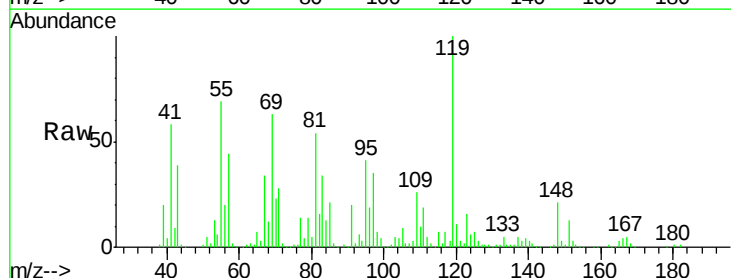
Tgt Ion:180 Resp: 12164

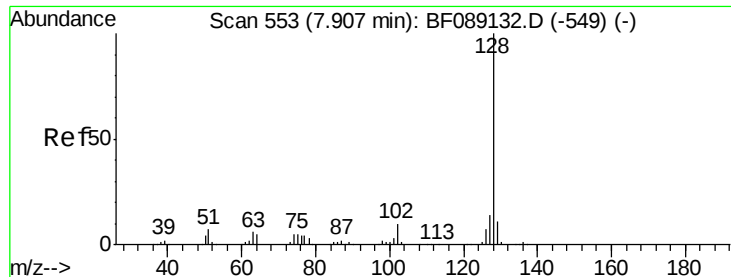
Ion Ratio Lower Upper

180 100

182 80.6 77.6 116.4

145 0.0 24.0 36.0#

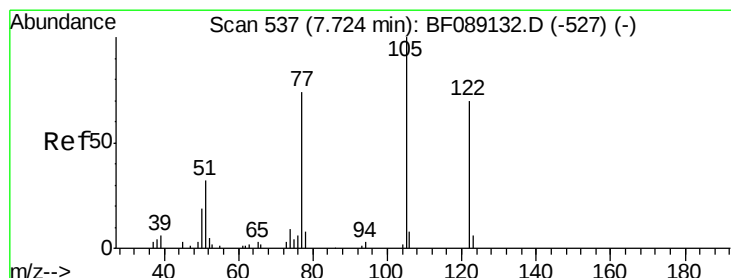
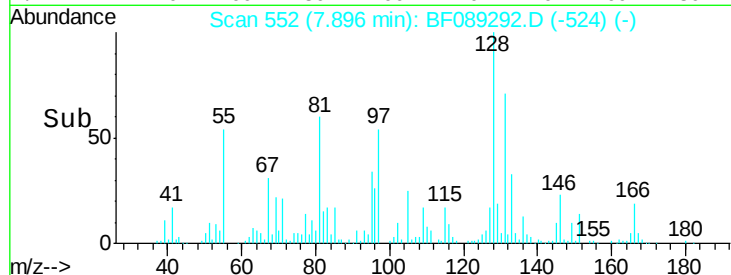
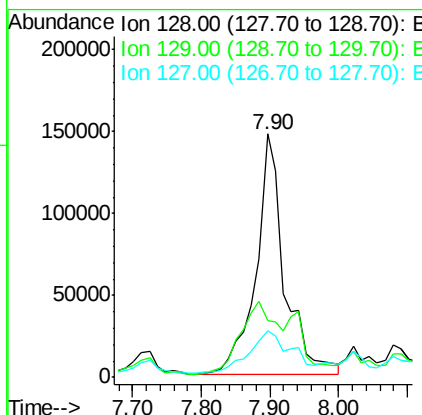
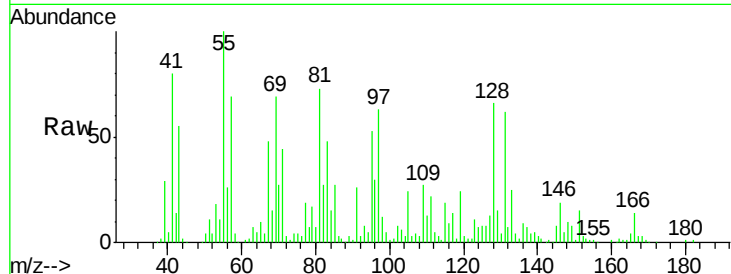




#31
Naphthalene
Concen: 51.59 ng
RT: 7.90 min Scan# 552
Delta R.T. 0.02 min
Lab File: BF089292.D
Acq: 25 Jul 2016 22:43

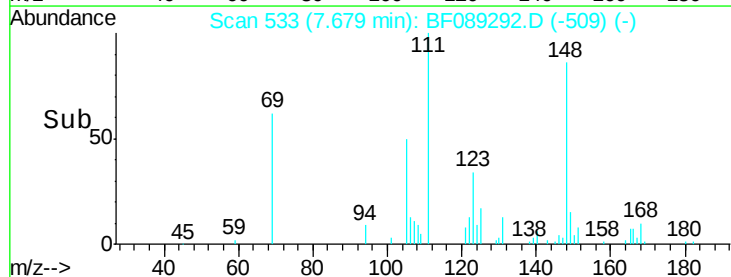
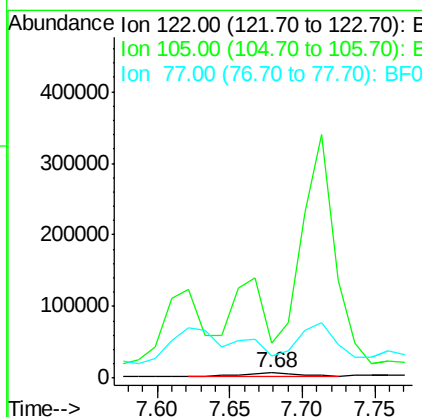
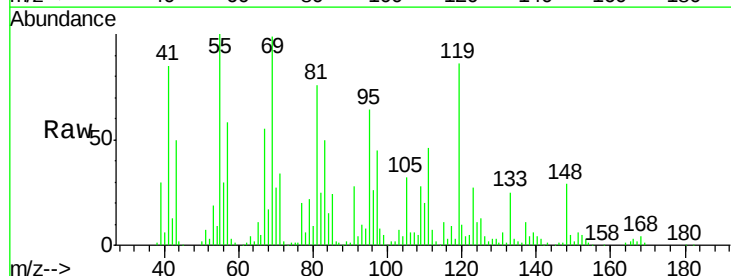
Instrument :
BNA_F
ClientSampled :
NW-2

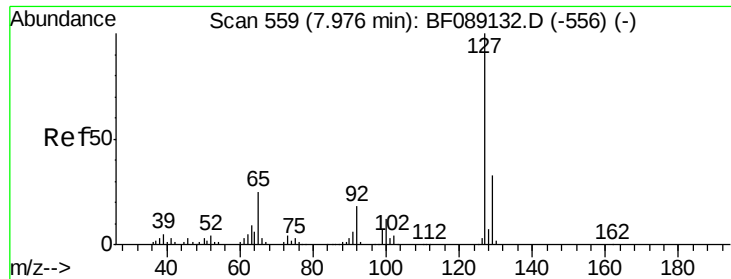
Tgt Ion:128 Resp: 424000
Ion Ratio Lower Upper
128 100
129 23.1 8.9 13.3#
127 19.2 10.8 16.2#



#32
Benzoic acid
Concen: 8.78 ng
RT: 7.68 min Scan# 533
Delta R.T. -0.02 min
Lab File: BF089292.D
Acq: 25 Jul 2016 22:43

Tgt Ion:122 Resp: 16042
Ion Ratio Lower Upper
122 100
105 664.6 119.0 159.0#
77 425.9 84.7 124.7#

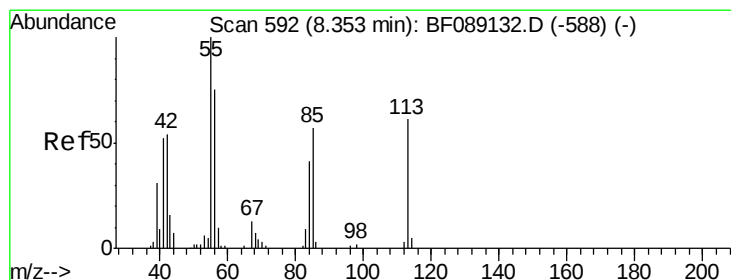
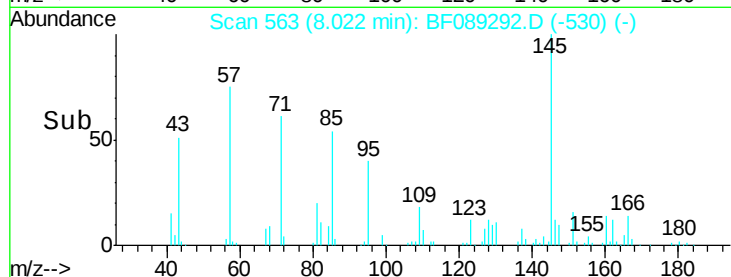
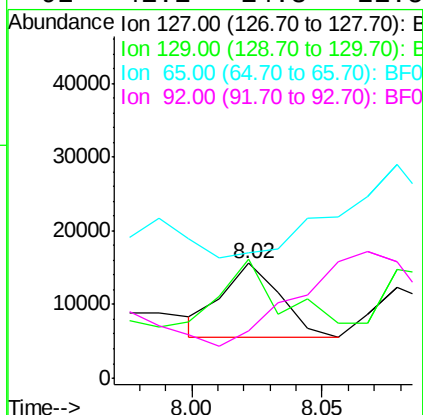
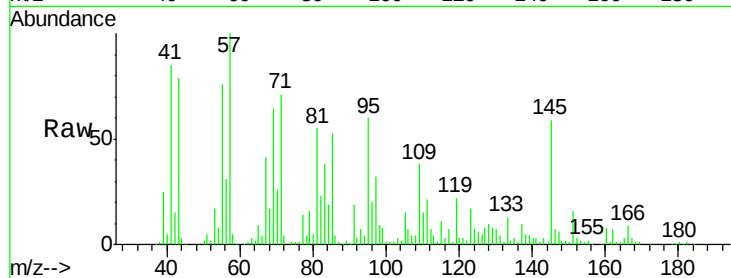




#33
4-Chloroaniline
Concen: 4.46 ng
RT: 8.02 min Scan# 563
Delta R.T. 0.08 min
Lab File: BF089292.D
Acq: 25 Jul 2016 22:43

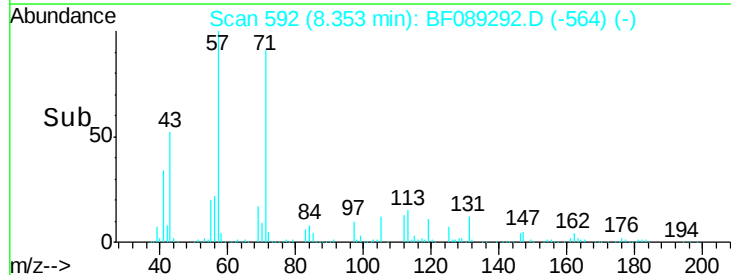
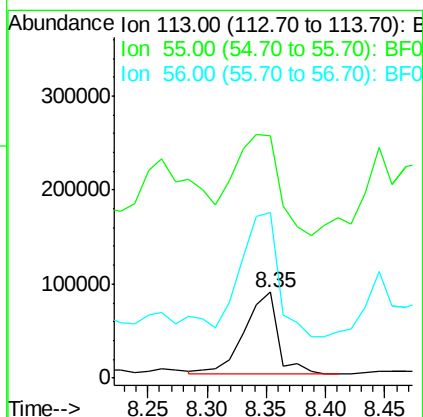
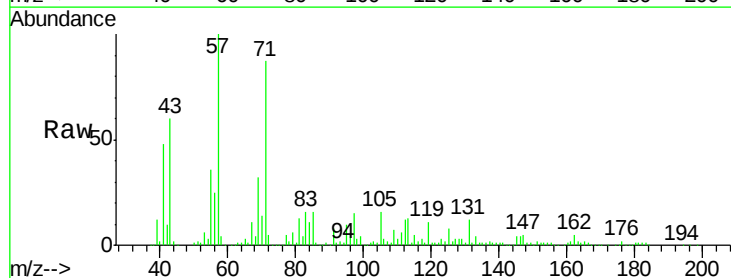
Instrument :
BNA_F
ClientSampleId :
NW-2

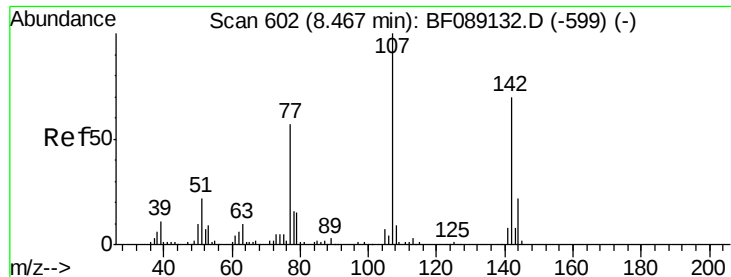
Tgt Ion:127 Resp: 15429
Ion Ratio Lower Upper
127 100
129 103.9 25.9 38.9#
65 109.9 19.7 29.5#
92 41.1 14.3 21.5#



#35
Caprolactam
Concen: 261.28 ng
RT: 8.35 min Scan# 592
Delta R.T. 0.02 min
Lab File: BF089292.D
Acq: 25 Jul 2016 22:43

Tgt Ion:113 Resp: 173683
Ion Ratio Lower Upper
113 100
55 282.9 145.3 185.3#
56 193.4 104.3 144.3#

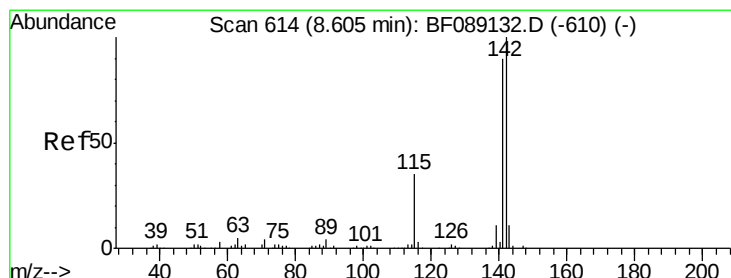
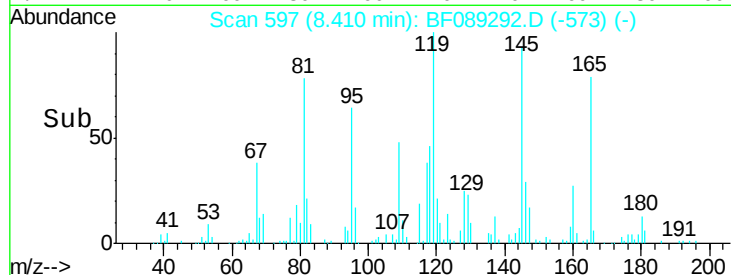
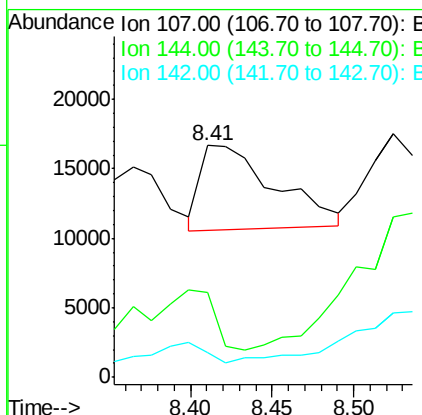
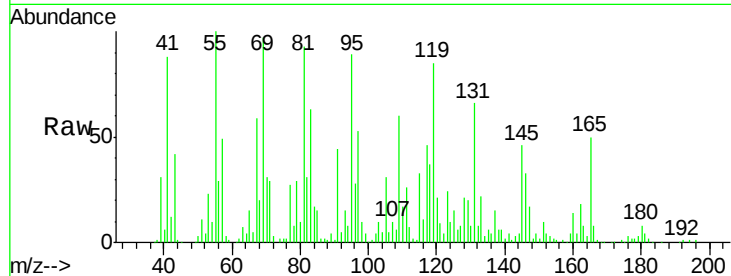




#36
 4-Chloro-3-methylphenol
 Concen: 7.45 ng
 RT: 8.41 min Scan# 597
 Delta R.T. -0.02 min
 Lab File: BF089292.D
 Acq: 25 Jul 2016 22:43

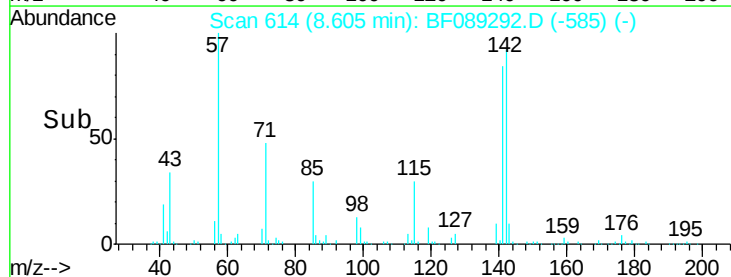
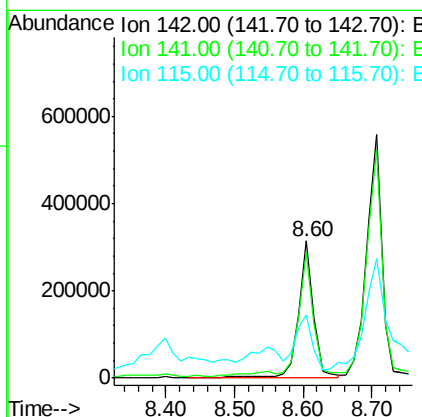
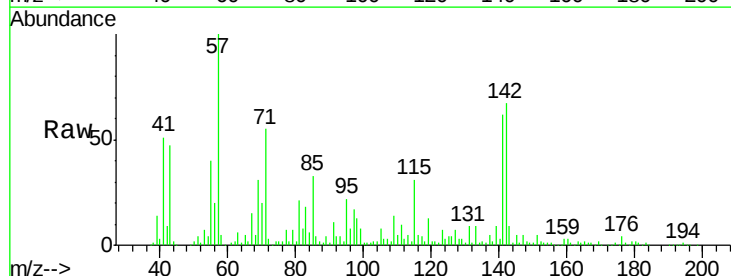
Instrument :
 BNA_F
 ClientSampleId :
 NW-2

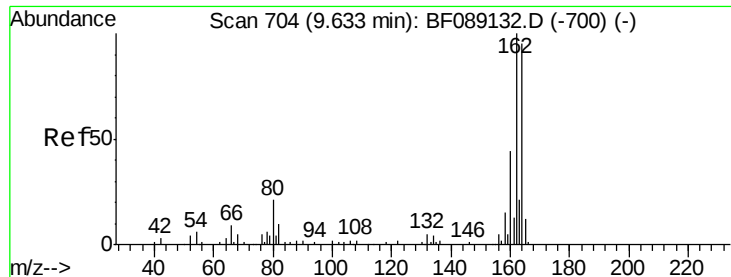
Tgt Ion:107 Resp: 19221
 Ion Ratio Lower Upper
 107 100
 144 36.6 17.8 26.6#
 142 10.4 56.1 84.1#



#37
 2-Methylnaphthalene
 Concen: 89.00 ng
 RT: 8.60 min Scan# 614
 Delta R.T. 0.03 min
 Lab File: BF089292.D
 Acq: 25 Jul 2016 22:43

Tgt Ion:142 Resp: 466453
 Ion Ratio Lower Upper
 142 100
 141 92.1 71.6 107.4
 115 45.6 27.6 41.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.63 min Scan# 704

Delta R.T. 0.03 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleId :

NW-2

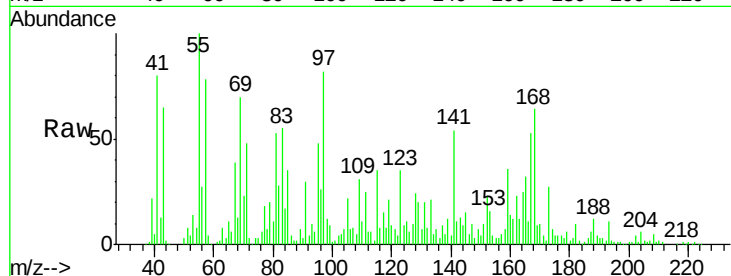
Tgt Ion:164 Resp: 75603

Ion Ratio Lower Upper

164 100

162 92.2 84.1 126.1

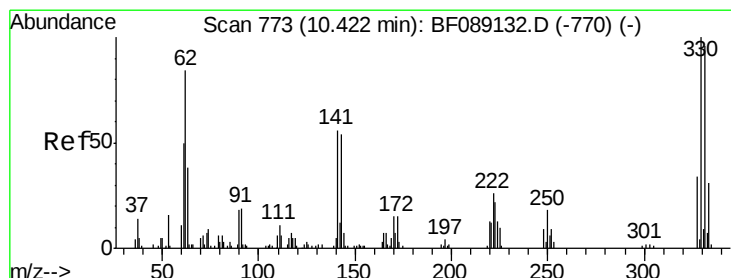
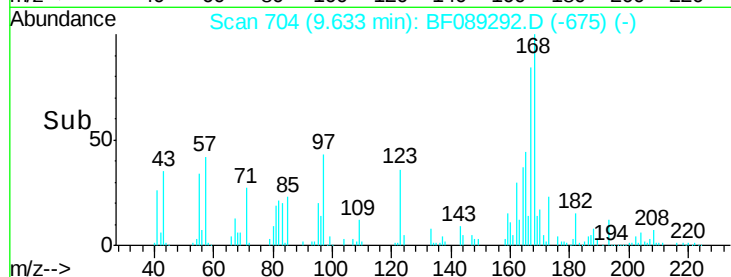
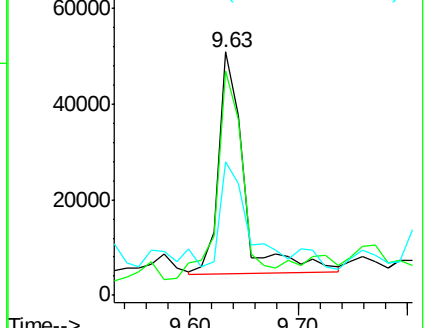
160 55.0 37.1 55.7



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: 91.12 ng

RT: 10.43 min Scan# 774

Delta R.T. 0.05 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

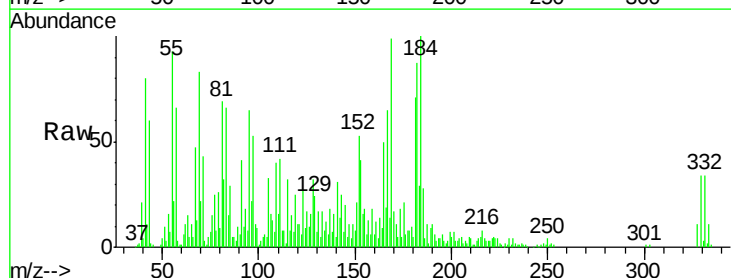
Tgt Ion:330 Resp: 62020

Ion Ratio Lower Upper

330 100

332 99.0 77.2 115.8

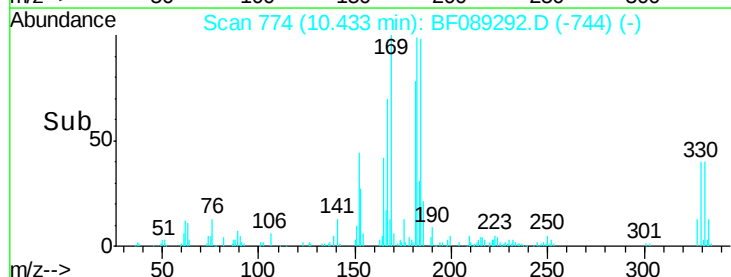
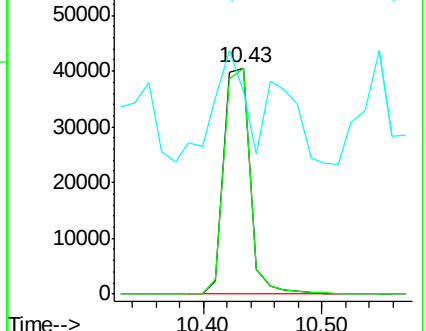
141 56.9 42.2 63.2

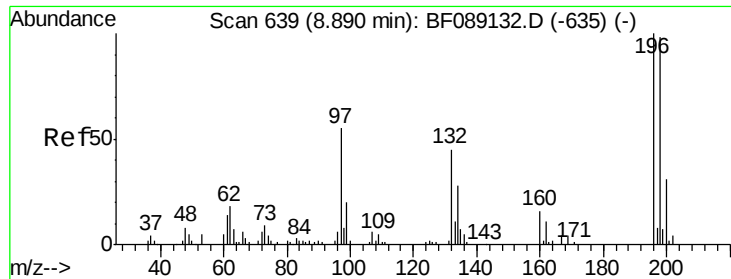


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

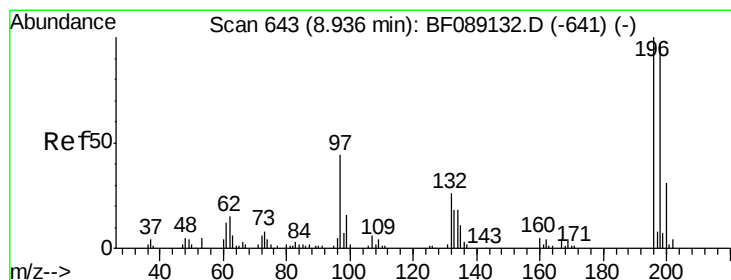
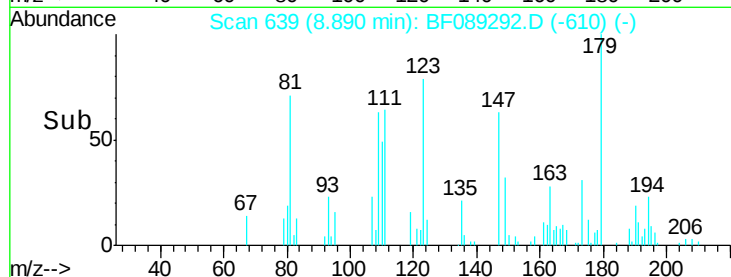
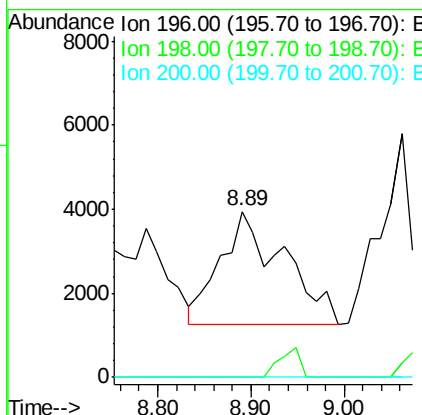
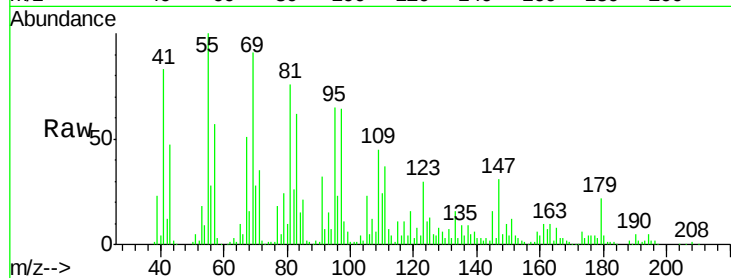




#42
 2,4,6-Trichlorophenol
 Concen: 8.02 ng
 RT: 8.89 min Scan# 639
 Delta R.T. 0.03 min
 Lab File: BF089292.D
 Acq: 25 Jul 2016 22:43

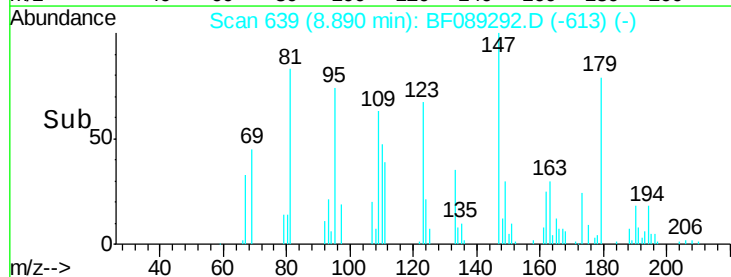
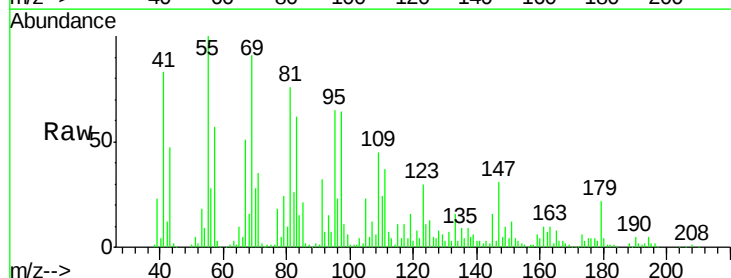
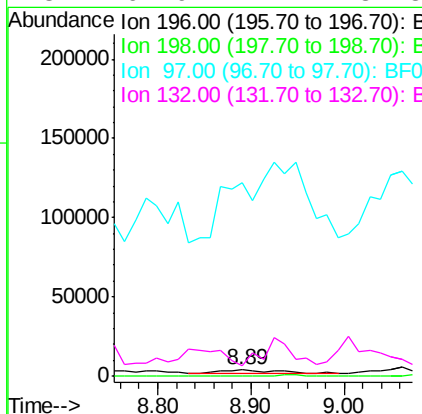
Instrument :
 BNA_F
 ClientSampleId :
 NW-2

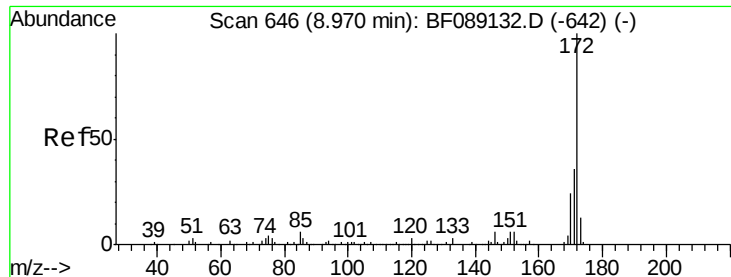
Tgt Ion:196 Resp: 12607
 Ion Ratio Lower Upper
 196 100
 198 0.0 78.3 117.5#
 200 0.0 25.0 37.4#



#43
 2,4,5-Trichlorophenol
 Concen: 7.99 ng
 RT: 8.89 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: BF089292.D
 Acq: 25 Jul 2016 22:43

Tgt Ion:196 Resp: 12607
 Ion Ratio Lower Upper
 196 100
 198 0.0 77.6 116.4#
 97 3091.1 36.5 54.7#
 132 164.9 21.2 31.8#





#44

2-Fluorobiphenyl

Concen: 59.50 ng

RT: 8.96 min Scan# 645

Delta R.T. 0.02 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

Instrument :

BNA_F

ClientSampleId :

NW-2

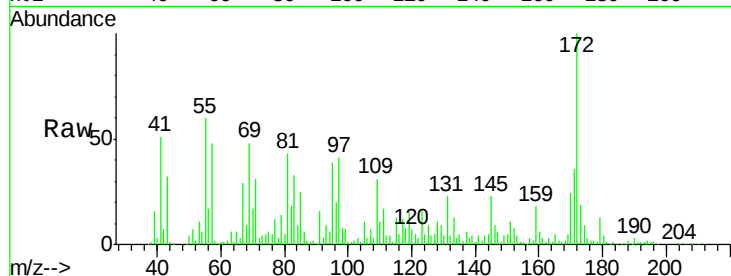
Tgt Ion:172 Resp: 326491

Ion Ratio Lower Upper

172 100

171 36.2 29.2 43.8

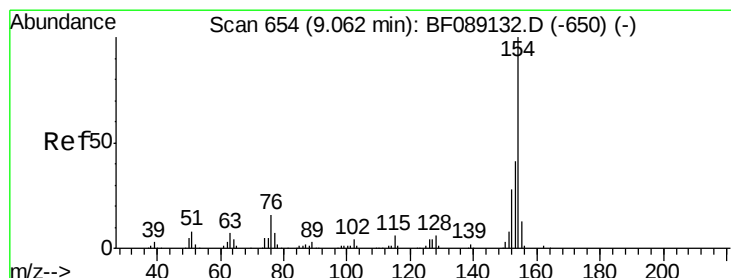
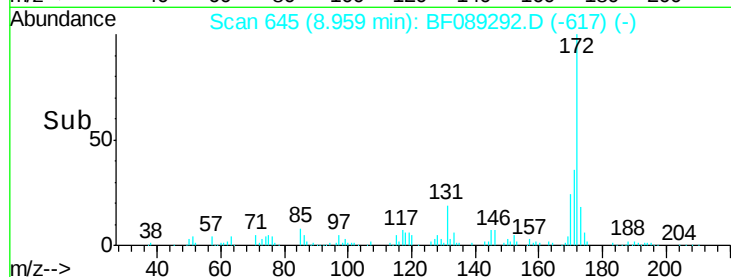
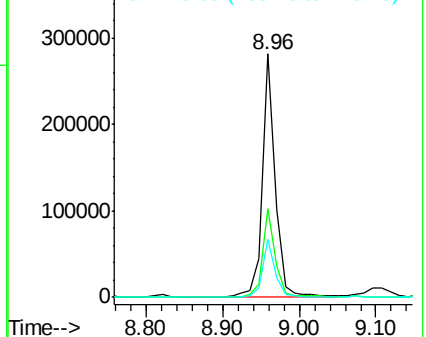
170 23.6 19.1 28.7



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: 23.65 ng

RT: 9.06 min Scan# 654

Delta R.T. 0.03 min

Lab File: BF089292.D

Acq: 25 Jul 2016 22:43

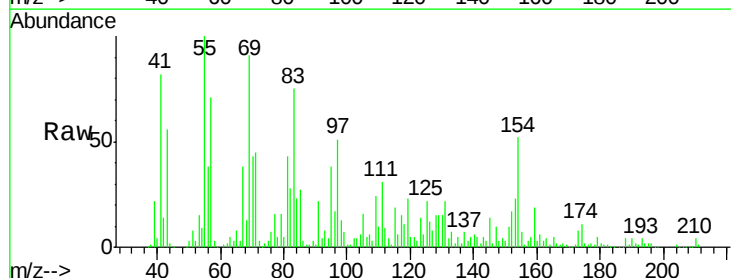
Tgt Ion:154 Resp: 161031

Ion Ratio Lower Upper

154 100

153 44.9 21.1 61.1

76 14.2 0.0 35.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0

