

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062716\
 Data File : BF088477.D
 Acq On : 28 Jun 2016 5:06
 Operator : UM/SJ
 Sample : H3629-04DL 2X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

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

Quant Time: Jun 28 07:15:50 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 28 05:25:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	64914	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	222652	20.00	ng	0.00
38) Acenaphthene-d10	9.60	164	88029	20.00	ng	0.01
63) Phenanthrene-d10	11.07	188	150301	20.00	ng	0.01
75) Chrysene-d12	13.69	240	148616	20.00	ng	0.00
86) Perylene-d12	15.04	264	151638	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.12	112	272074	71.65	ng	-0.01
7) Phenol-d6	6.22	99	346822	75.37	ng	-0.01
23) Nitrobenzene-d5	7.12	82	182322	47.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.39	330	34324	36.93	ng	0.01
44) 2-Fluorobiphenyl	8.92	172	314498	54.11	ng	0.00
78) Terphenyl-d14	12.64	244	250135	38.30	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.69	88	40797	22.11	ng	# 87
10) Phenol	6.24	94	1891	Below Cal		# 1
18) Hexachloroethane	7.12	117	73546	42.67	ng	# 9
19) n-Nitroso-di-n-propylamine	6.97	70	11781	4.00	ng	# 61
25) Isophorone	7.35	82	40348	5.71	ng	# 1
26) 2-Nitrophenol	7.47	139	8709	4.40	ng	# 1
27) 2,4-Dimethylphenol	7.47	122	11919	3.27	ng	# 1
28) bis(2-Chloroethoxy)methane	7.62	93	19869	4.54	ng	# 1
29) 2,4-Dichlorophenol	7.77	162	23572	7.75	ng	# 48
31) Naphthalene	7.88	128	39395	3.58	ng	# 1
32) Benzoic acid	7.75	122	9801	4.89	ng	# 61
33) 4-Chloroaniline	7.88	127	10493	2.13	ng	# 1
35) Caprolactam	8.28	113	68891	68.38	ng	# 6
36) 4-Chloro-3-methylphenol	8.48	107	24052	7.39	ng	# 40
37) 2-Methylnaphthalene	8.56	142	309104	42.56	ng	# 94
42) 2,4,6-Trichlorophenol	8.84	196	3992	2.27	ng	# 11
43) 2,4,5-Trichlorophenol	8.84	196	3992	2.18	ng	# 1
45) 1,1'-Biphenyl	9.02	154	4383	Below Cal		# 2
47) 2-Nitroaniline	9.14	65	5800	3.45	ng	# 29
48) Acenaphthylene	9.46	152	29177	3.22	ng	# 1
49) Dimethylphthalate	9.32	163	31613	4.96	ng	# 75
50) 2,6-Dinitrotoluene	9.37	165	20998	14.38	ng	# 78
51) Acenaphthene	9.63	154	45332	8.02	ng	# 73
52) 3-Nitroaniline	9.54	138	26966	16.00	ng	# 17
53) 2,4-Dinitrophenol	9.71	184	669	4.13	ng	# 1
54) Dibenzofuran	9.80	168	23015	2.96	ng	# 1
55) 4-Nitrophenol	9.80	139	33206	25.39	ng	# 42
56) 2,4-Dinitrotoluene	9.80	165	20403	10.87	ng	# 58
57) Fluorene	10.15	166	68550	9.19	ng	# 88
61) 4-Nitroaniline	10.00	138	9100	5.69	ng	# 90
64) 4,6-Dinitro-2-methylphenol	10.24	198	2983	5.20	ng	# 1
65) n-Nitrosodiphenylamine	10.25	169	226079	45.33	ng	# 53
70) Phenanthrene	11.10	178	121659	15.43	ng	# 92
71) Anthracene	11.19	178	96587	12.14	ng	# 1

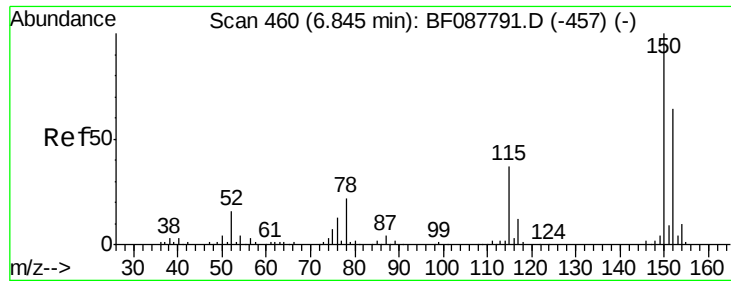
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062716\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Fluoranthene	12.29	202	24142	2.90	ng	88
77) Pyrene	12.50	202	39444	3.58	ng #	94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.55 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(7-9)DL

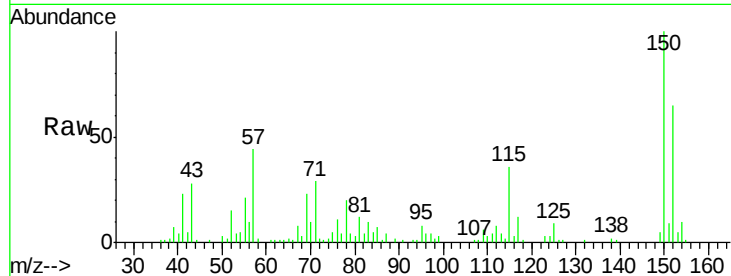
Tgt Ion:152 Resp: 64914

Ion Ratio Lower Upper

152 100

150 154.3 123.8 185.6

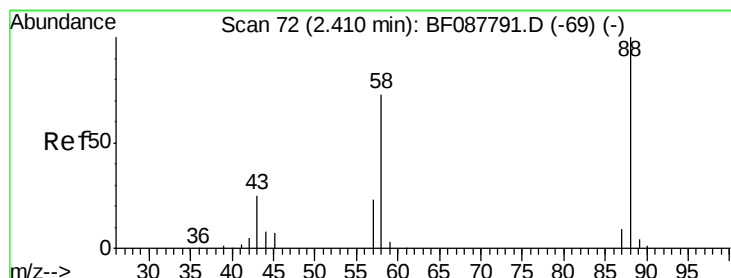
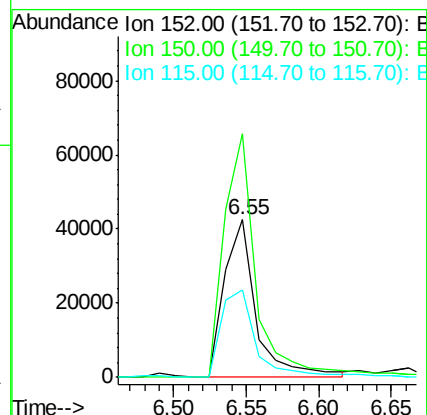
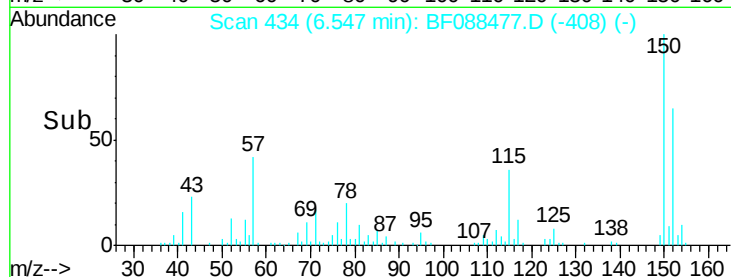
115 55.8 39.6 59.4



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



#2

1,4-Dioxane

Concen: 22.11 ng

RT: 1.69 min Scan# 9

Delta R.T. -0.25 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

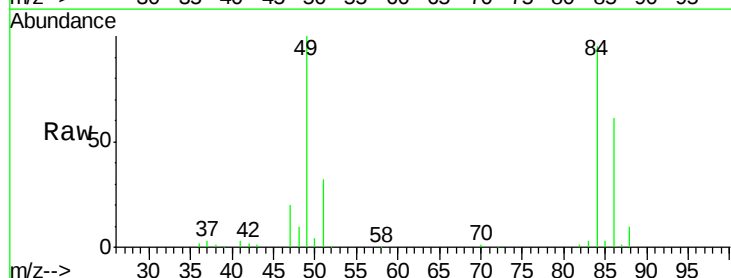
Tgt Ion: 88 Resp: 40797

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

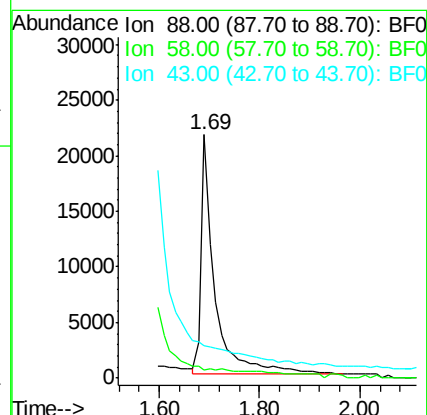
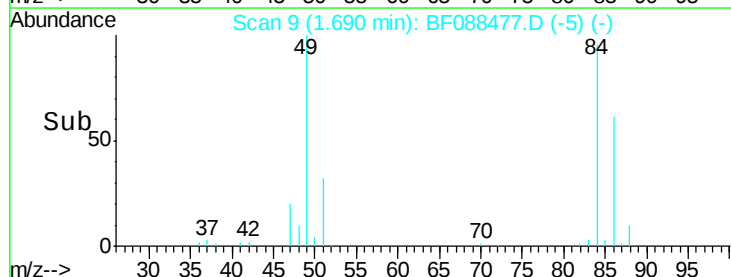
43 0.0 3.4 5.2#

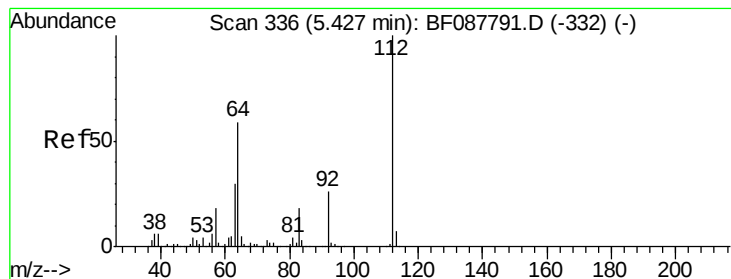


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 71.65 ng

RT: 5.12 min Scan# 309

Delta R.T. -0.01 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(7-9)DL

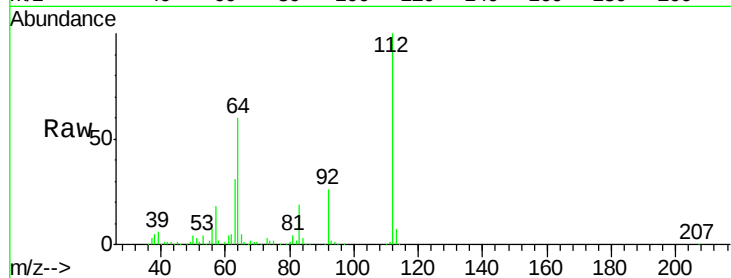
Tgt Ion: 112 Resp: 272074

Ion Ratio Lower Upper

112 100

64 60.0 42.2 63.2

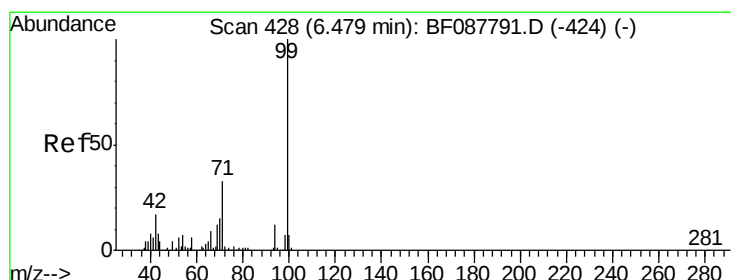
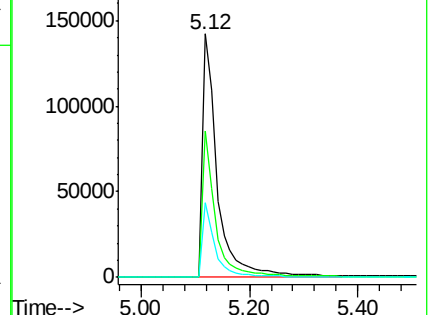
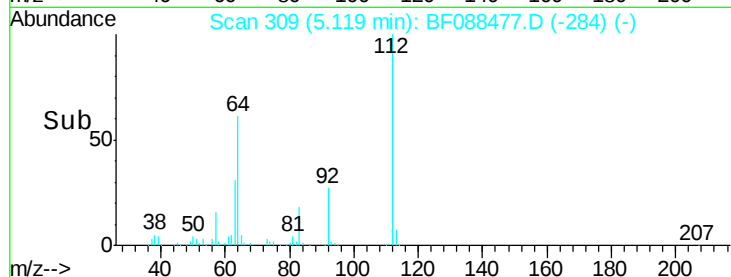
63 30.8 21.8 32.8



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 75.37 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

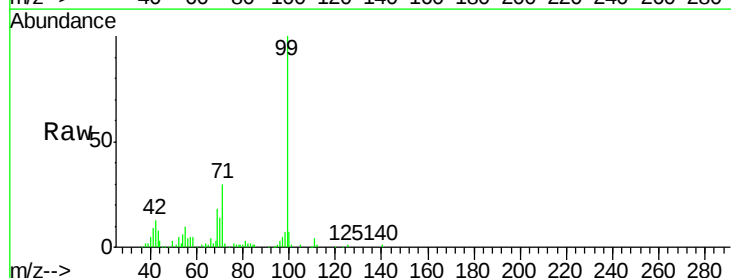
Tgt Ion: 99 Resp: 346822

Ion Ratio Lower Upper

99 100

42 13.3 12.2 18.2

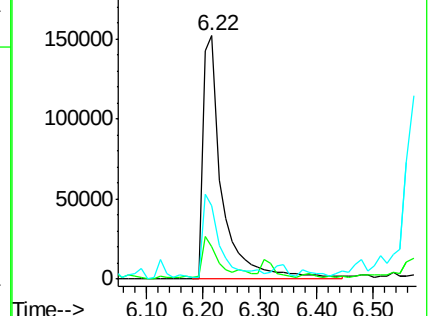
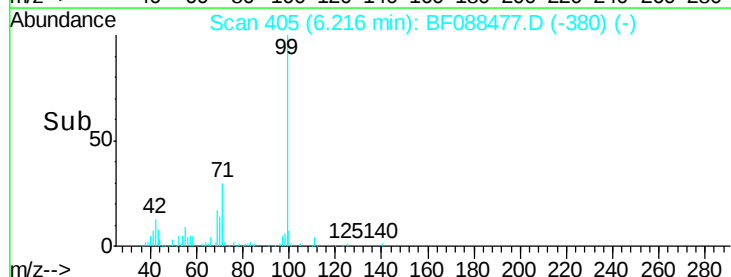
71 30.1 23.4 35.0

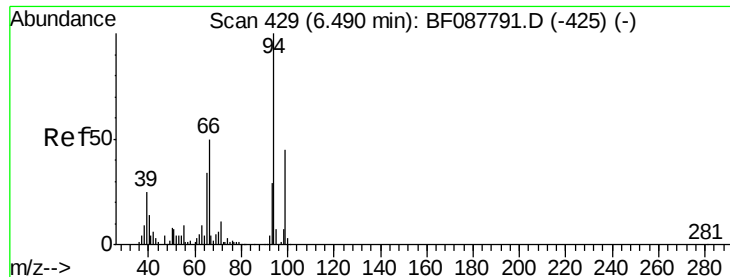


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#10

Phenol

Concen: Below Cal

RT: 6.24 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(7-9)DL

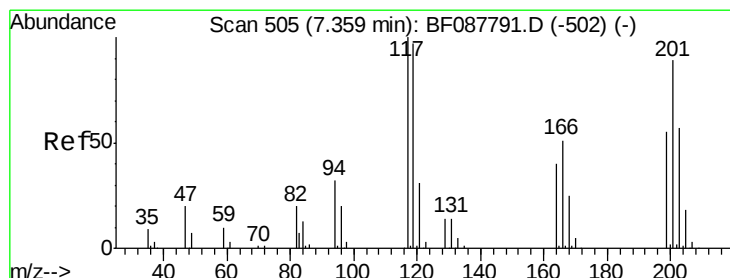
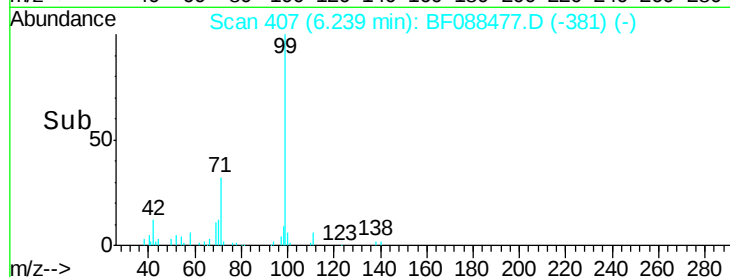
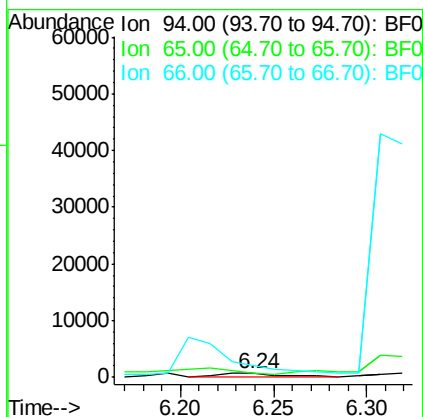
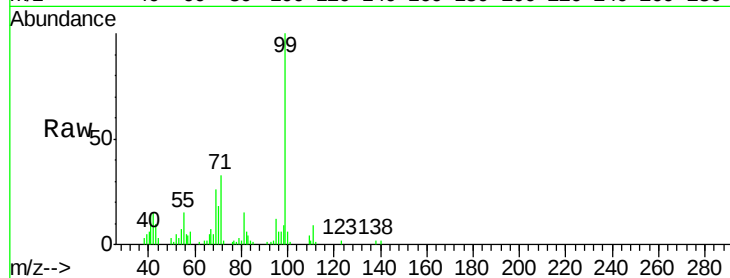
Tgt Ion: 94 Resp: 1891

Ion Ratio Lower Upper

94 100

65 115.5 5.9 45.9#

66 279.0 14.0 54.0#



#18

Hexachloroethane

Concen: 42.67 ng

RT: 7.12 min Scan# 484

Delta R.T. 0.07 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

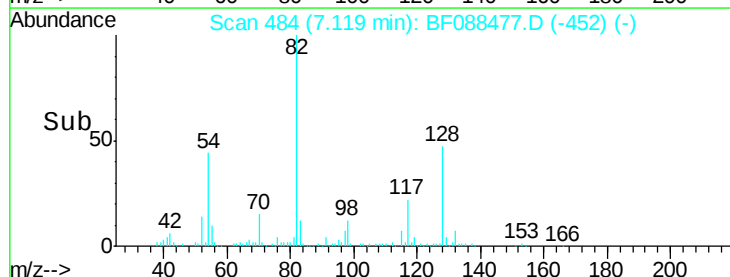
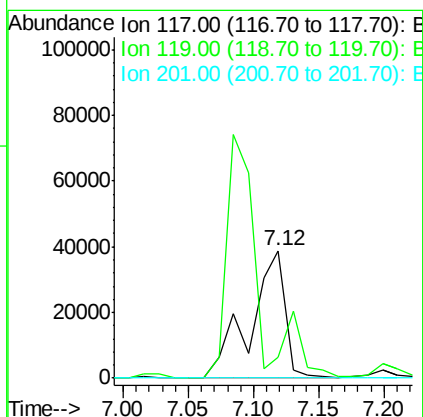
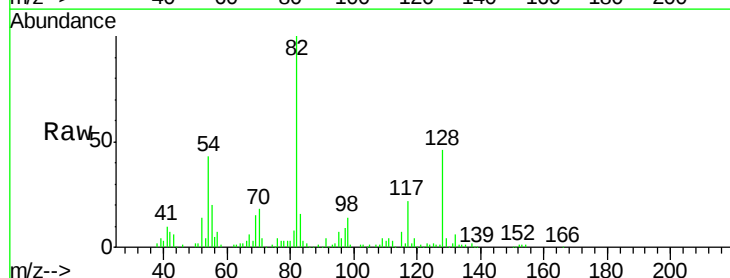
Tgt Ion: 117 Resp: 73546

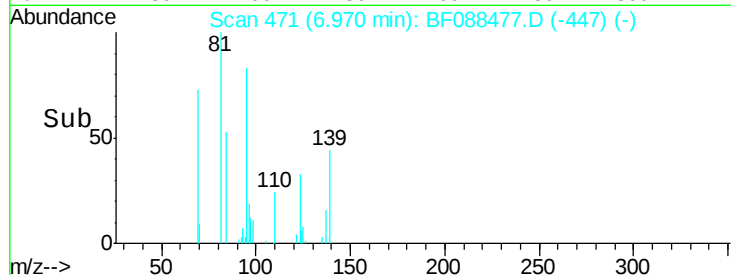
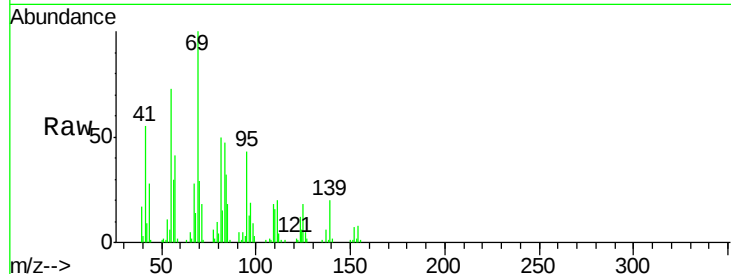
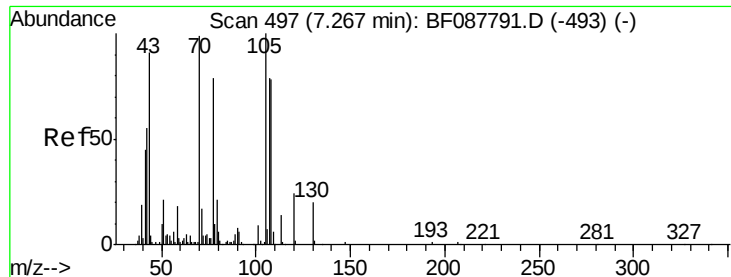
Ion Ratio Lower Upper

117 100

119 16.5 77.4 116.2#

201 0.0 80.4 120.6#

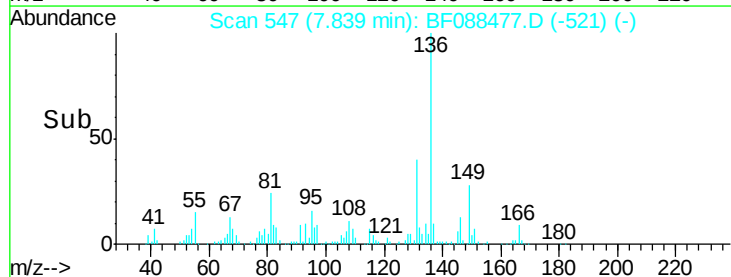
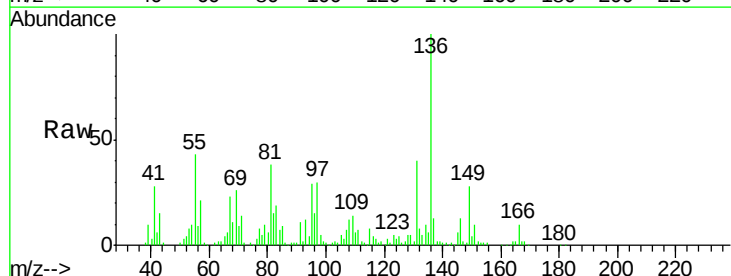
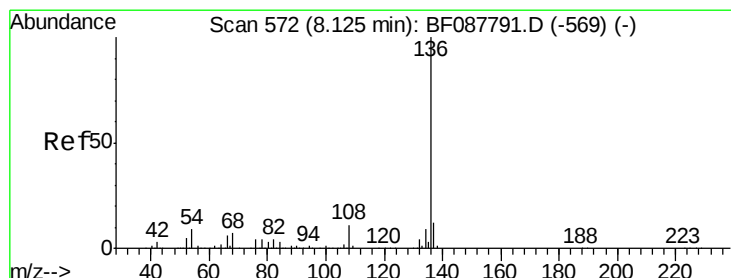
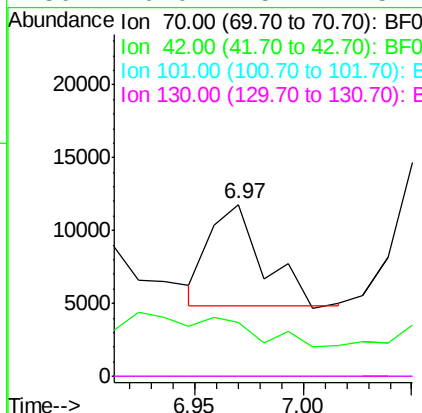




#19
n-Nitroso-di-n-propylamine
Concen: 4.00 ng
RT: 6.97 min Scan# 471
Delta R.T. -0.02 min
Lab File: BF088477.D
Acq: 28 Jun 2016 5:06

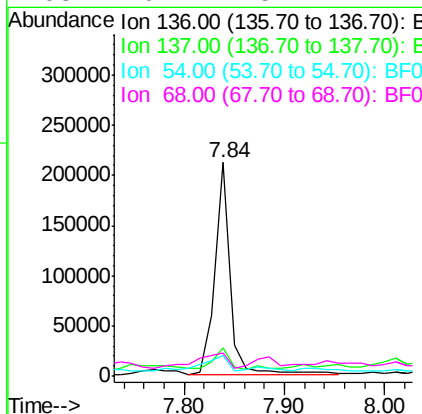
Instrument :
BNA_F
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LOCATION-5B(7-9)DL

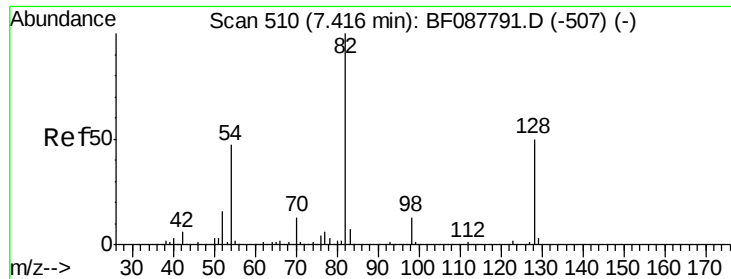
Tgt Ion:	70	Resp:	11781
Ion	Ratio	Lower	Upper
70	100		
42	31.4	49.6	74.4#
101	0.0	7.1	10.7#
130	0.0	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.84 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF088477.D
Acq: 28 Jun 2016 5:06

Tgt Ion:	136	Resp:	222652
Ion	Ratio	Lower	Upper
136	100		
137	13.5	9.1	13.7
54	9.6	6.6	10.0
68	10.7	5.1	7.7#

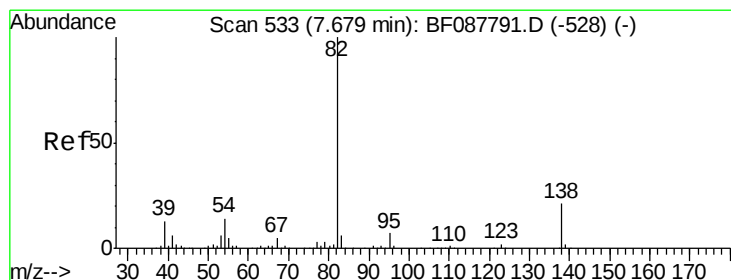
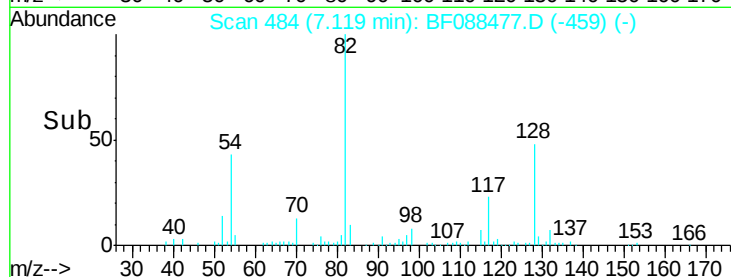
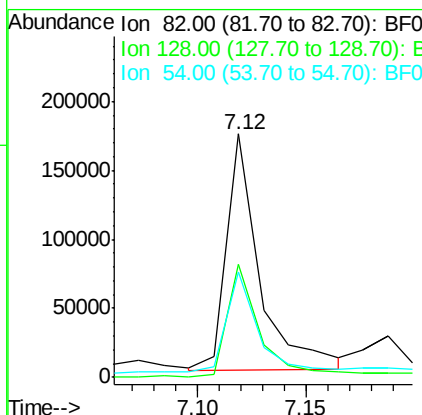
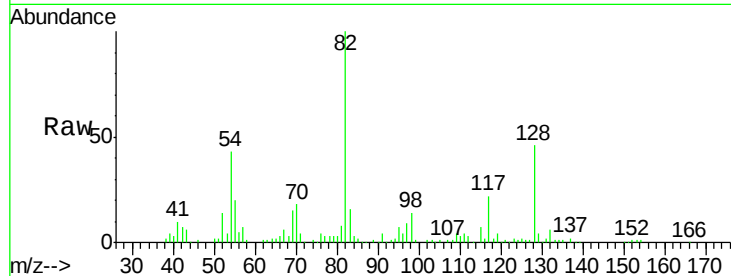




#23
 Nitrobenzene-d5
 Concen: 47.82 ng
 RT: 7.12 min Scan# 484
 Delta R.T. -0.01 min
 Lab File: BF088477.D
 Acq: 28 Jun 2016 5:06

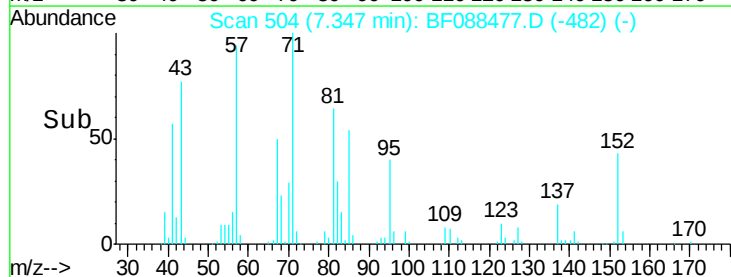
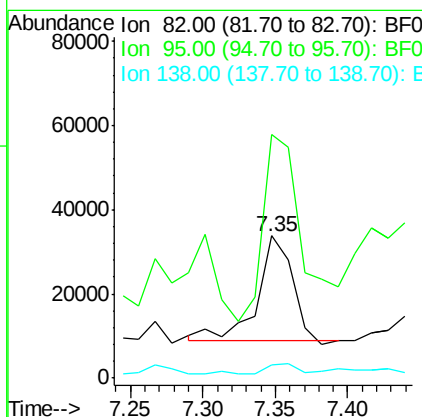
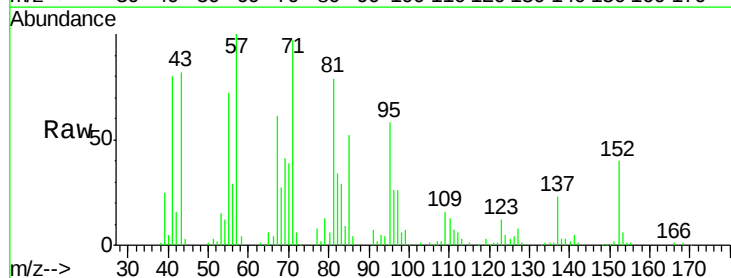
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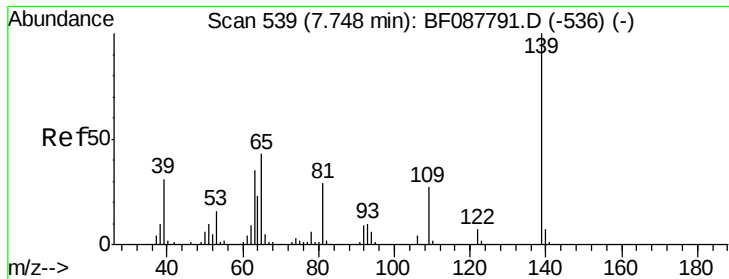
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.3	35.9	53.9
54	43.5	40.9	61.3



#25
 Isophorone
 Concen: 5.71 ng
 RT: 7.35 min Scan# 504
 Delta R.T. -0.05 min
 Lab File: BF088477.D
 Acq: 28 Jun 2016 5:06

Tgt Ion	Ratio	Lower	Upper
82	100		
95	171.0	5.4	8.2#
138	9.3	14.6	21.8#

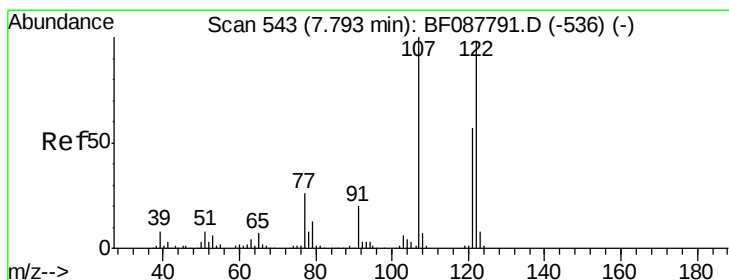
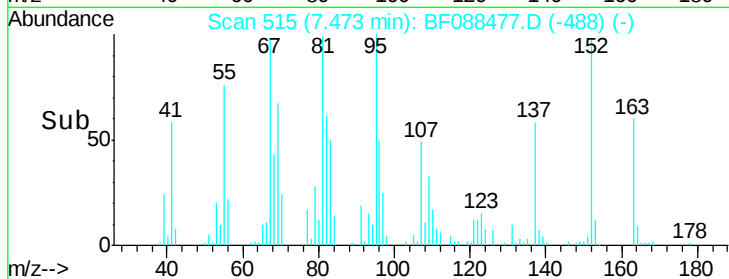
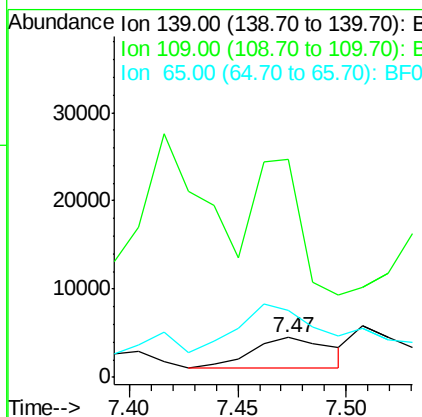
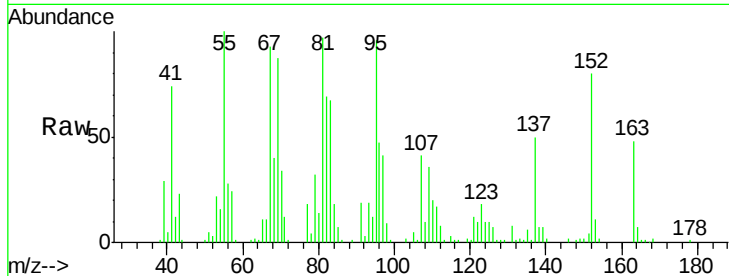




#26
2-Nitrophenol
Concen: 4.40 ng
RT: 7.47 min Scan# 515
Delta R.T. 0.01 min
Lab File: BF088477.D
Acq: 28 Jun 2016 5:06

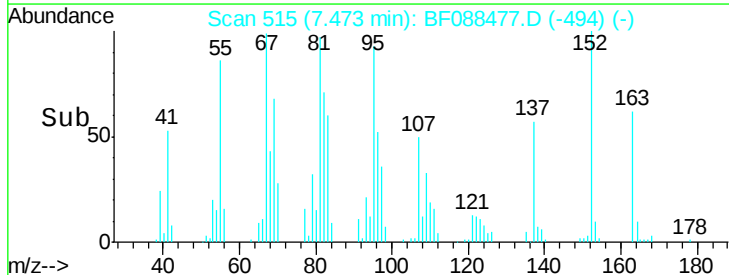
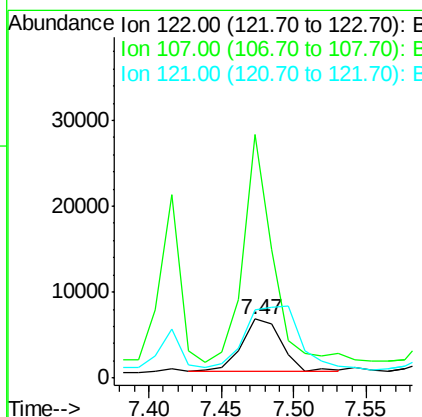
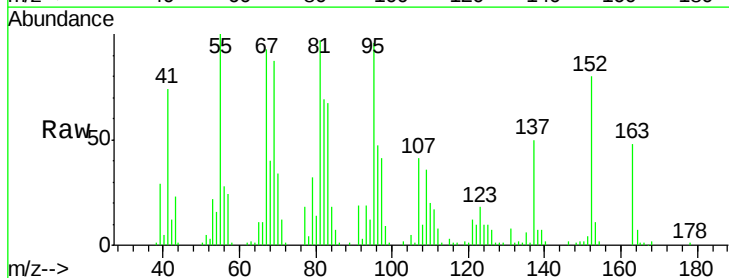
Instrument :
BNA_F
ClientSampleId :
LOCATION-5B(7-9)DL

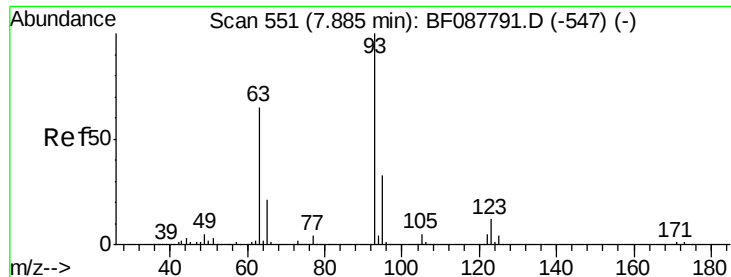
Tgt Ion:139 Resp: 8709
Ion Ratio Lower Upper
139 100
109 552.6 23.0 34.4#
65 168.5 45.8 68.8#



#27
2,4-Dimethylphenol
Concen: 3.27 ng
RT: 7.47 min Scan# 515
Delta R.T. -0.06 min
Lab File: BF088477.D
Acq: 28 Jun 2016 5:06

Tgt Ion:122 Resp: 11919
Ion Ratio Lower Upper
122 100
107 413.8 82.4 123.6#
121 115.8 46.3 69.5#

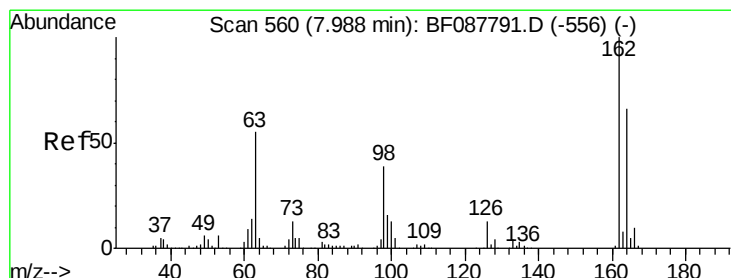
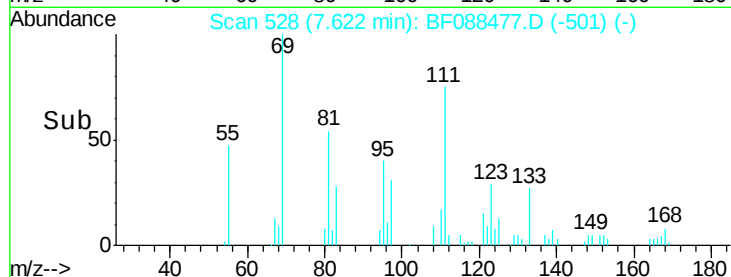
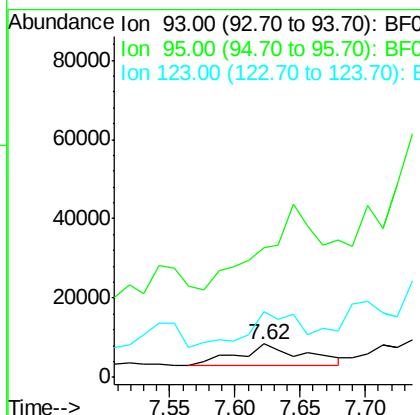
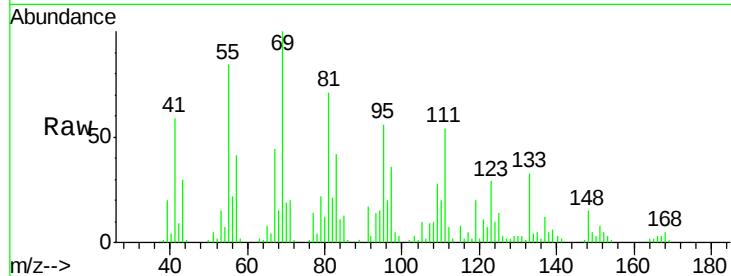




#28
bis(2-Chloroethoxy)methane
Concen: 4.54 ng
RT: 7.62 min Scan# 528
Delta R.T. 0.01 min
Lab File: BF088477.D
Acq: 28 Jun 2016 5:06

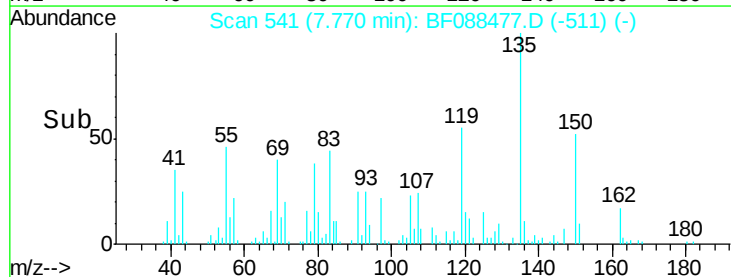
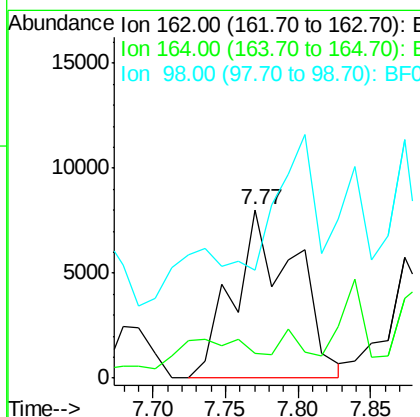
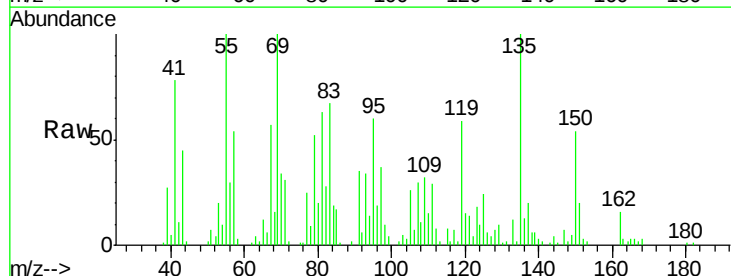
Instrument :
BNA_F
ClientSampleId :
LOCATION-5B(7-9)DL

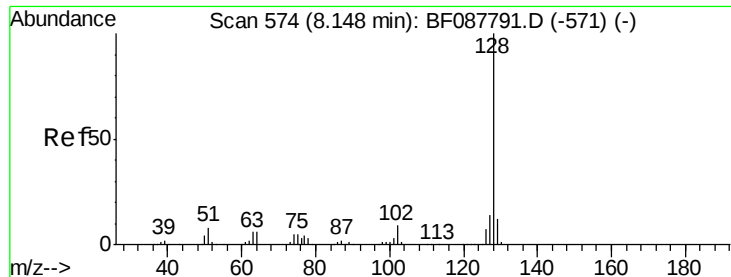
Tgt Ion: 93 Resp: 19869
Ion Ratio Lower Upper
93 100
95 388.9 26.5 39.7#
123 197.6 11.6 17.4#



#29
2,4-Dichlorophenol
Concen: 7.75 ng
RT: 7.77 min Scan# 541
Delta R.T. 0.05 min
Lab File: BF088477.D
Acq: 28 Jun 2016 5:06

Tgt Ion: 162 Resp: 23572
Ion Ratio Lower Upper
162 100
164 15.0 43.8 83.8#
98 64.5 21.3 61.3#

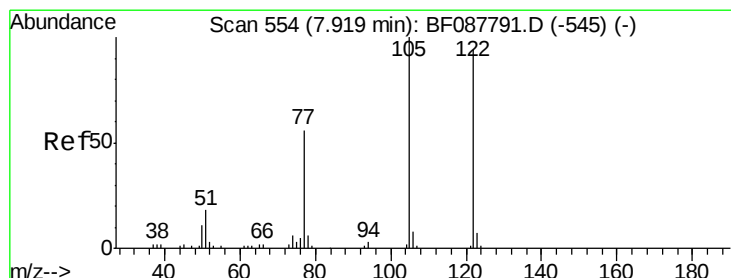
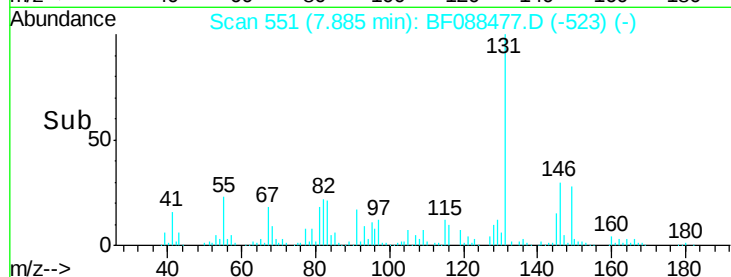
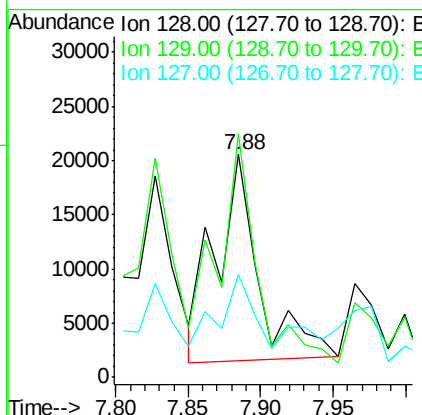
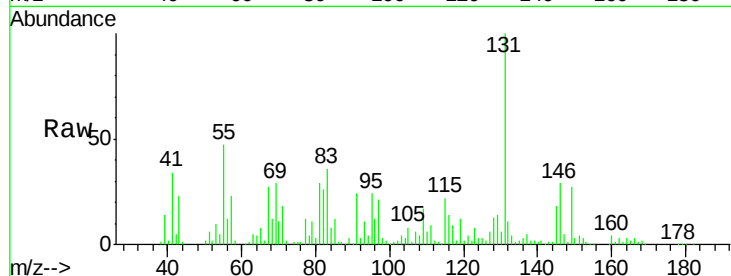




#31
Naphthalene
Concen: 3.58 ng
RT: 7.88 min Scan# 551
Delta R.T. 0.02 min
Lab File: BF088477.D
Acq: 28 Jun 2016 5:06

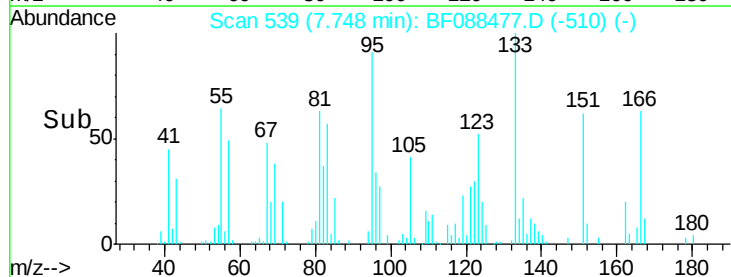
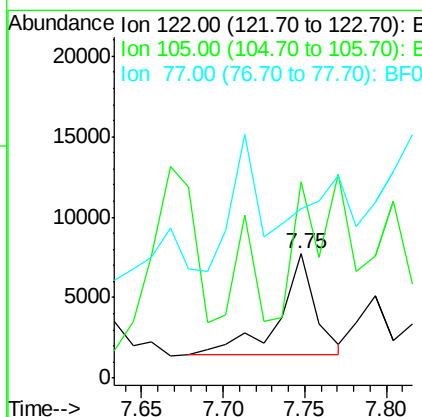
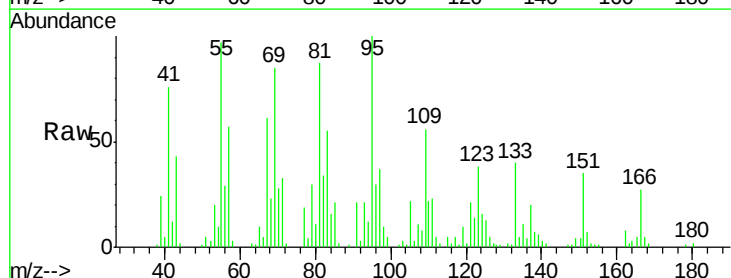
Instrument :
BNA_F
ClientSampleId :
LOCATION-5B(7-9)DL

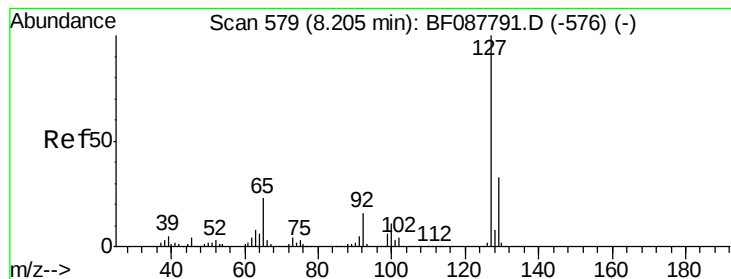
Tgt Ion:128 Resp: 39395
Ion Ratio Lower Upper
128 100
129 109.2 9.4 14.2#
127 46.0 10.9 16.3#



#32
Benzoic acid
Concen: 4.89 ng
RT: 7.75 min Scan# 539
Delta R.T. 0.03 min
Lab File: BF088477.D
Acq: 28 Jun 2016 5:06

Tgt Ion:122 Resp: 9801
Ion Ratio Lower Upper
122 100
105 157.6 101.6 141.6#
77 135.7 70.6 110.6#





#33

4-Chloroaniline

Concen: 2.13 ng

RT: 7.88 min Scan# 551

Delta R.T. -0.05 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

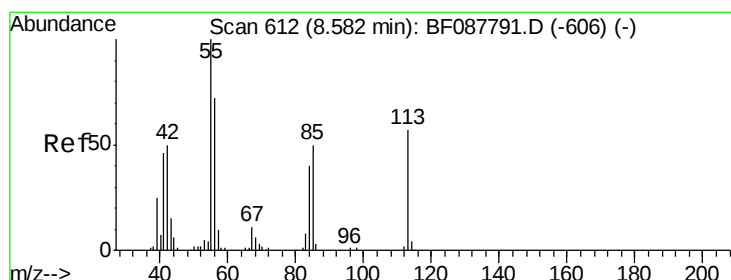
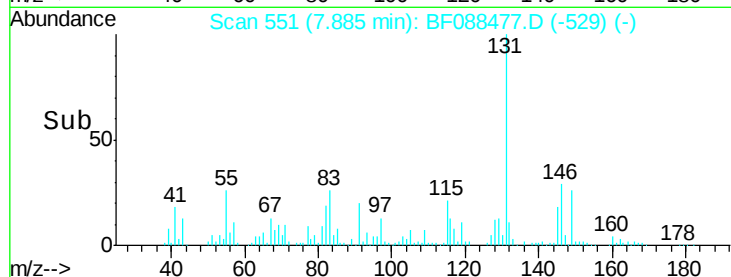
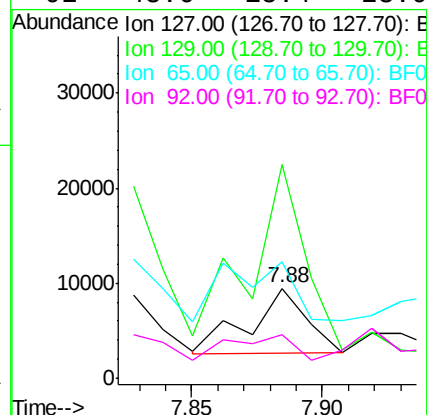
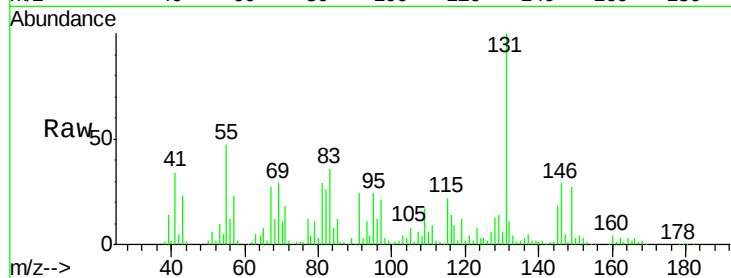
Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(7-9)DL

Tgt Ion:	127	Resp:	10493
Ion	Ratio	Lower	Upper
127	100		
129	237.5	26.3	39.5#
65	129.6	24.7	37.1#
92	48.6	15.4	23.0#



#35

Caprolactam

Concen: 68.38 ng

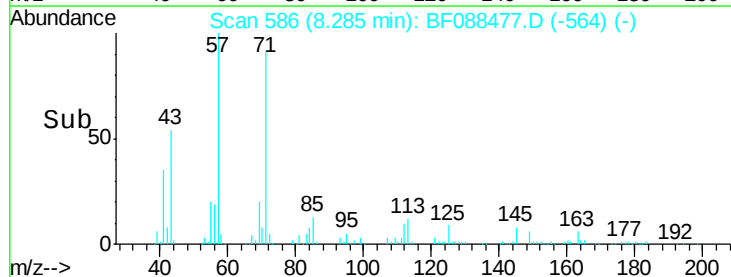
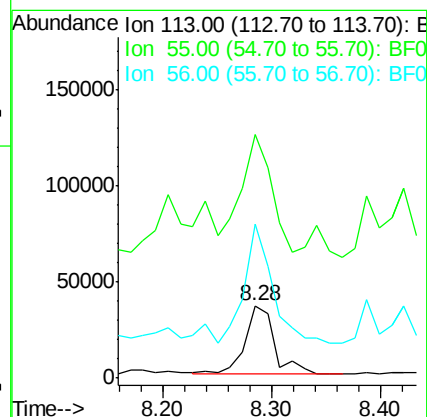
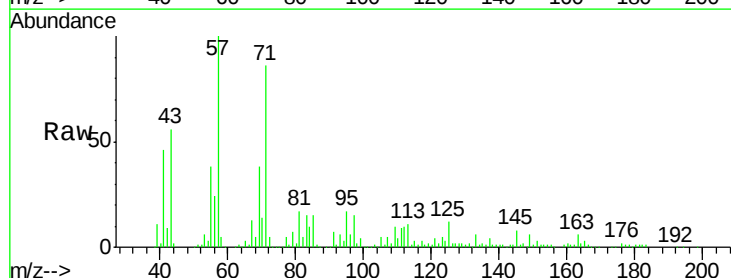
RT: 8.28 min Scan# 586

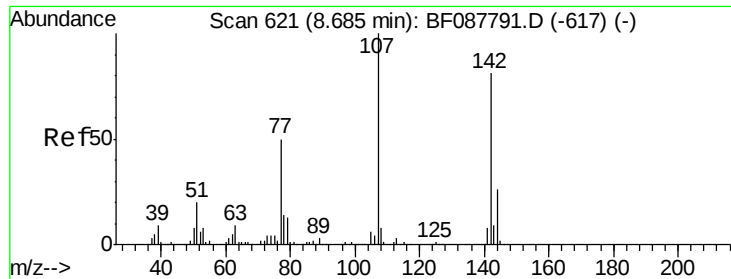
Delta R.T. -0.05 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

Tgt Ion:	113	Resp:	68891
Ion	Ratio	Lower	Upper
113	100		
55	336.1	158.6	198.6#
56	212.0	110.6	150.6#





#36

4-Chloro-3-methylphenol

Concen: 7.39 ng

RT: 8.48 min Scan# 603

Delta R.T. 0.05 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(7-9)DL

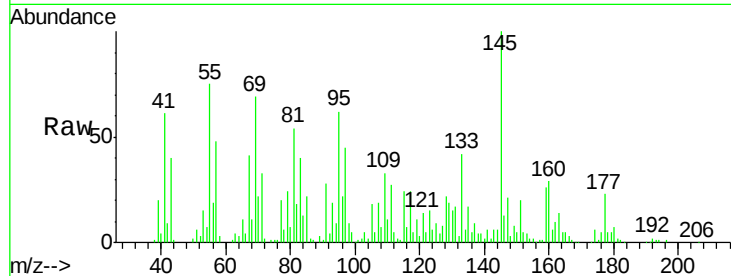
Tgt Ion:107 Resp: 24052

Ion Ratio Lower Upper

107 100

144 32.2 20.8 31.2#

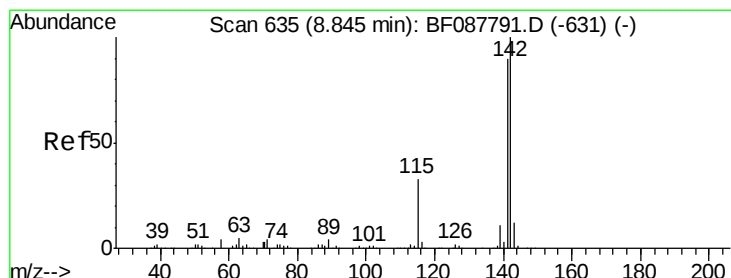
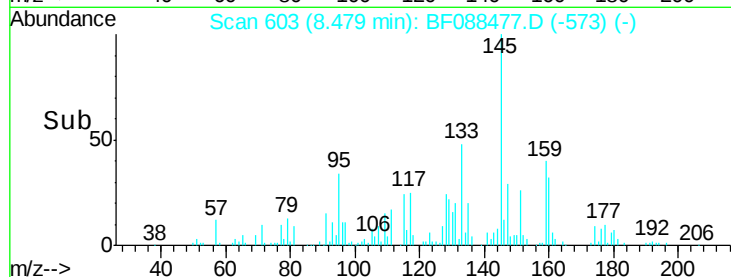
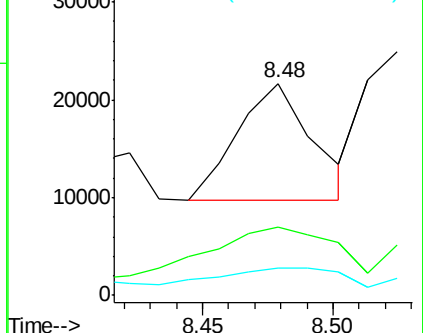
142 12.7 63.4 95.2#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#37

2-Methylnaphthalene

Concen: 42.56 ng

RT: 8.56 min Scan# 610

Delta R.T. 0.01 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

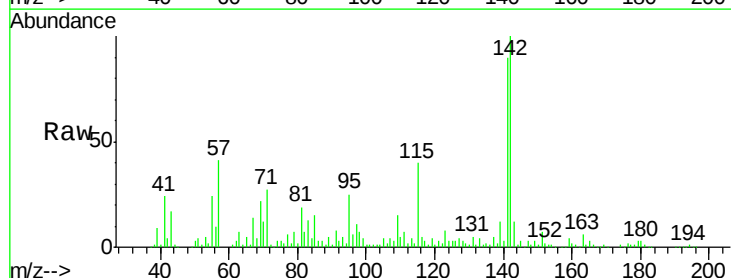
Tgt Ion:142 Resp: 309104

Ion Ratio Lower Upper

142 100

141 90.1 71.0 106.6

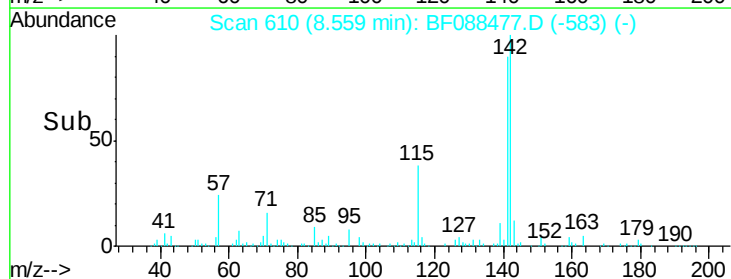
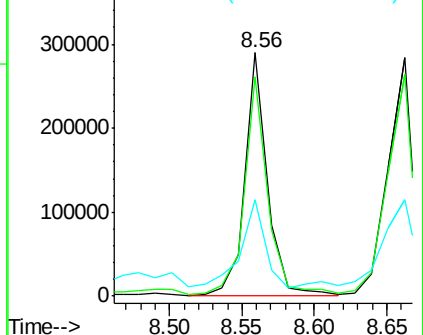
115 39.7 22.6 33.8#

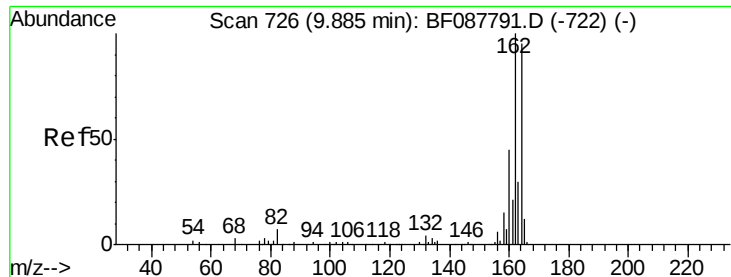


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.60 min Scan# 701

Delta R.T. 0.01 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(7-9)DL

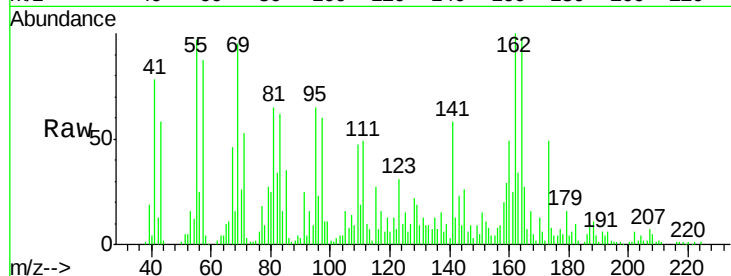
Tgt Ion:164 Resp: 88029

Ion Ratio Lower Upper

164 100

162 102.5 85.4 128.2

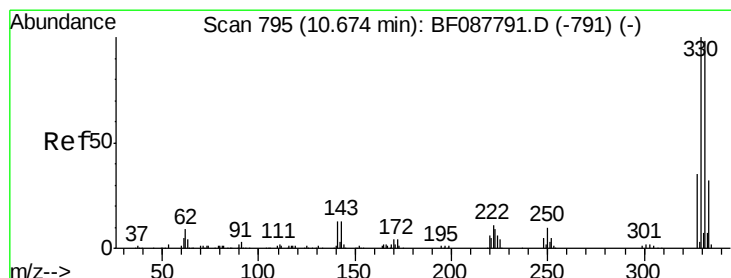
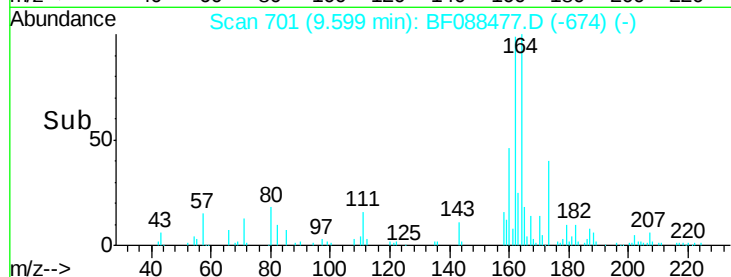
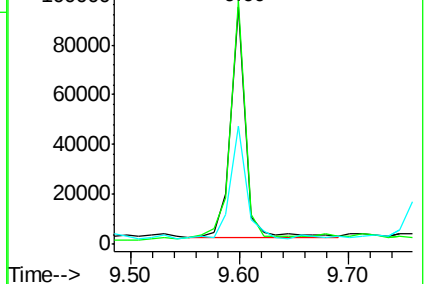
160 50.0 39.5 59.3



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: 36.93 ng

RT: 10.39 min Scan# 770

Delta R.T. 0.01 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

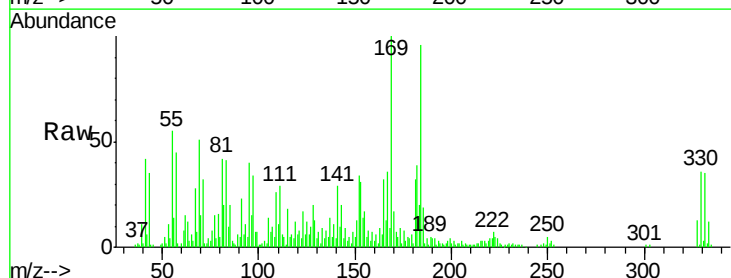
Tgt Ion:330 Resp: 34324

Ion Ratio Lower Upper

330 100

332 97.1 0.0 0.0#

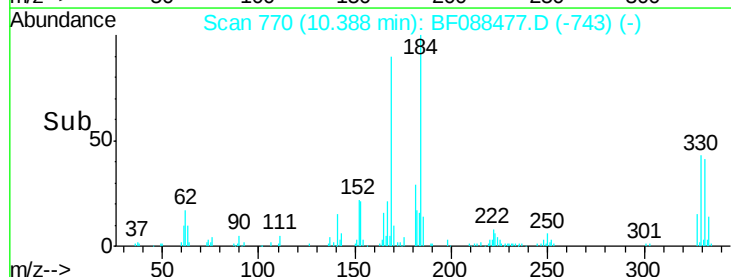
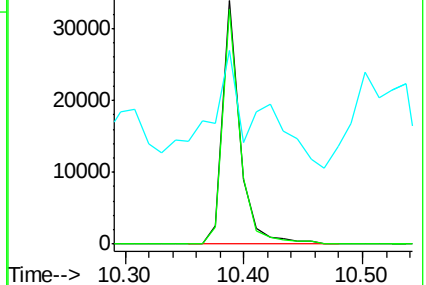
141 67.0 0.0 0.0#

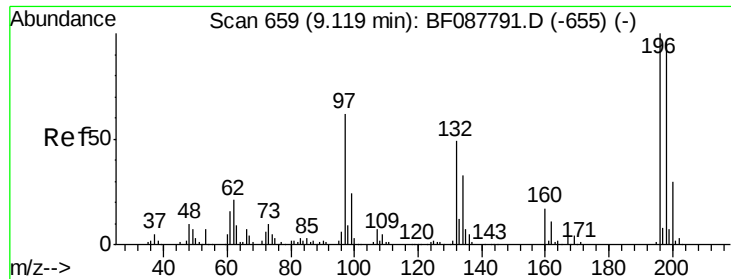


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

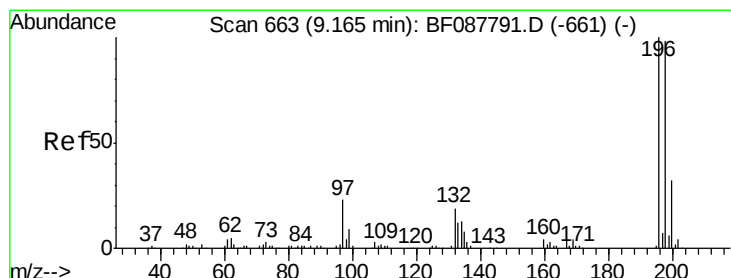
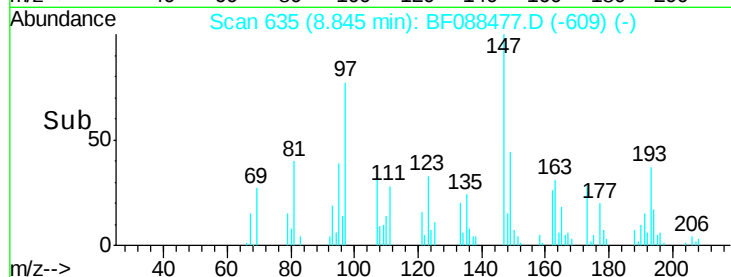
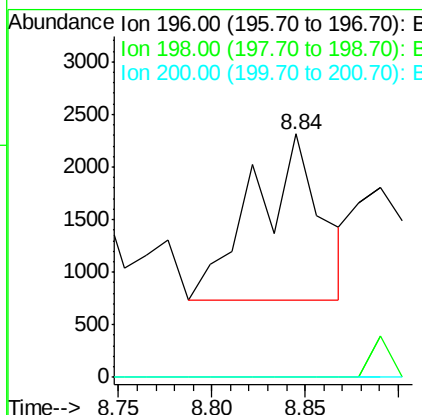
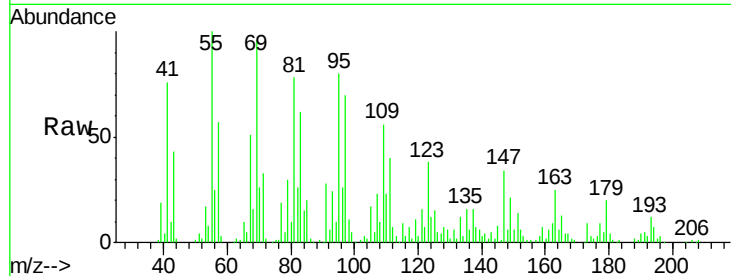




#42
 2,4,6-Trichlorophenol
 Concen: 2.27 ng
 RT: 8.84 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: BF088477.D
 Acq: 28 Jun 2016 5:06

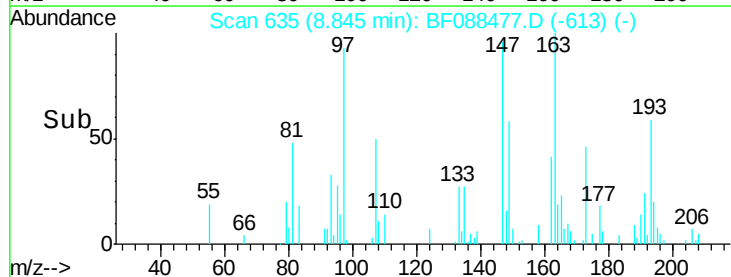
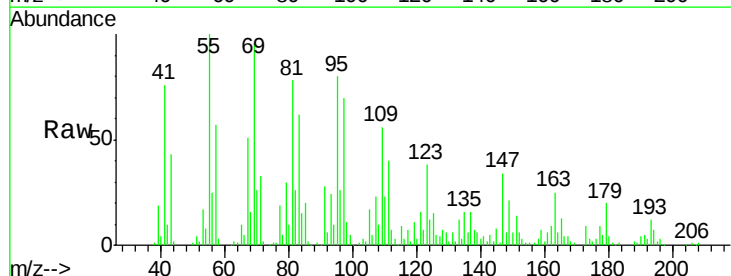
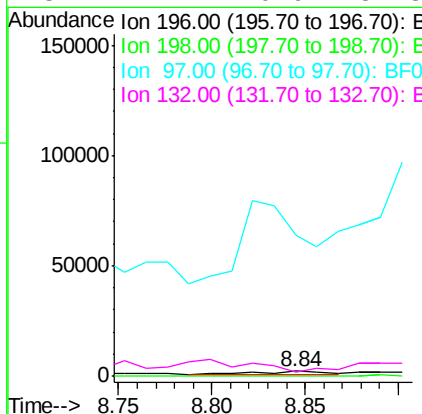
Instrument :
 BNA_F
 ClientSampleId :
 LOCATION-5B(7-9)DL

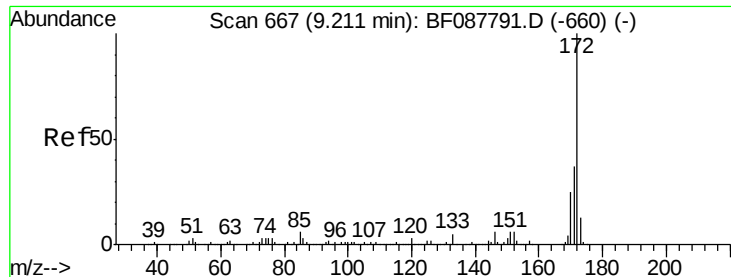
Tgt Ion:196 Resp: 3992
 Ion Ratio Lower Upper
 196 100
 198 0.0 78.0 117.0#
 200 0.0 25.4 38.2#



#43
 2,4,5-Trichlorophenol
 Concen: 2.18 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.05 min
 Lab File: BF088477.D
 Acq: 28 Jun 2016 5:06

Tgt Ion:196 Resp: 3992
 Ion Ratio Lower Upper
 196 100
 198 0.0 77.5 116.3#
 97 2763.9 32.0 48.0#
 132 74.1 20.9 31.3#

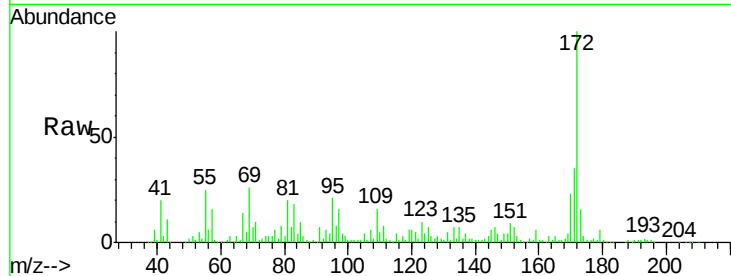




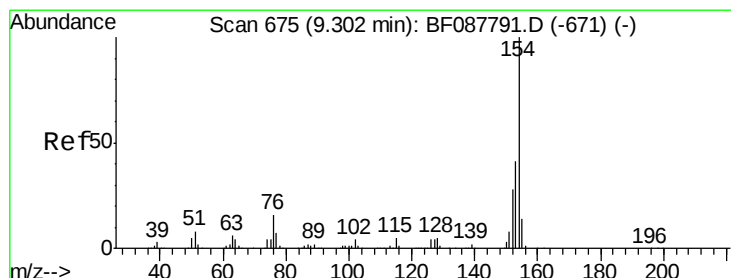
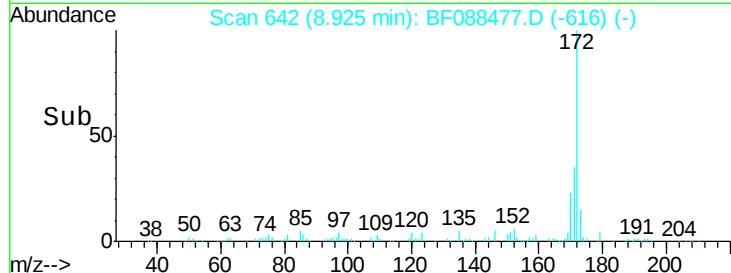
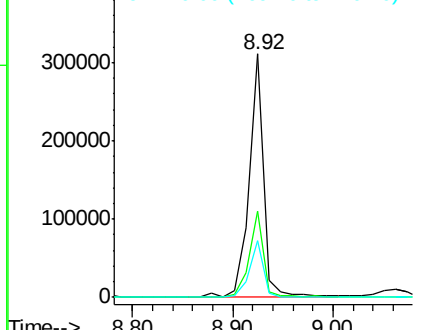
#44
 2-Fluorobiphenyl
 Concen: 54.11 ng
 RT: 8.92 min Scan# 642
 Delta R.T. 0.00 min
 Lab File: BF088477.D
 Acq: 28 Jun 2016 5:06

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

Tgt Ion:172 Resp: 314498
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 43.0
 170 23.4 19.2 28.8

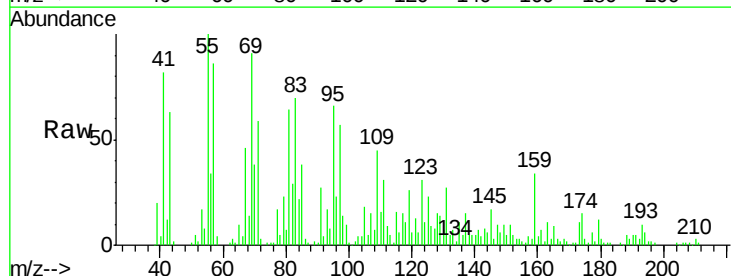


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

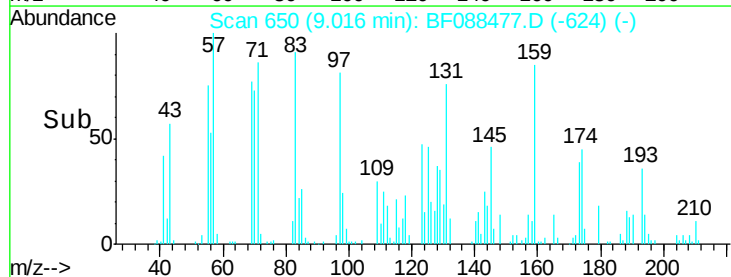
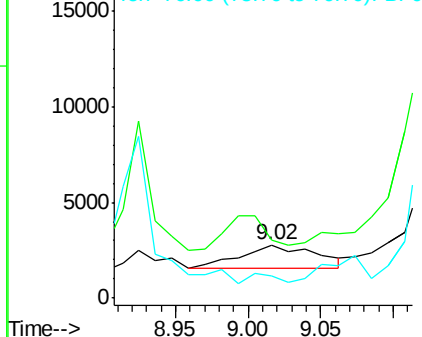


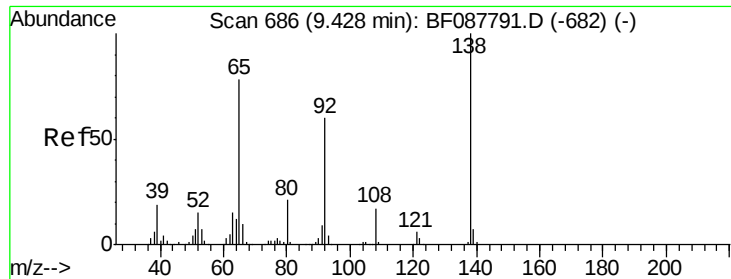
#45
 1,1'-Biphenyl
 Concen: Below Cal
 RT: 9.02 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: BF088477.D
 Acq: 28 Jun 2016 5:06

Tgt Ion:154 Resp: 4383
 Ion Ratio Lower Upper
 154 100
 153 109.5 20.6 60.6#
 76 42.2 0.0 35.1#



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





#47

2-Nitroaniline

Concen: 3.45 ng

RT: 9.14 min Scan# 661

Delta R.T. -0.01 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(7-9)DL

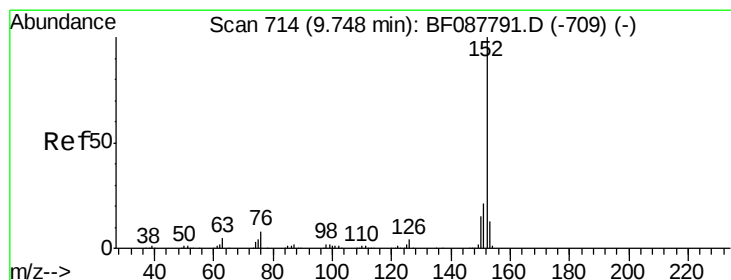
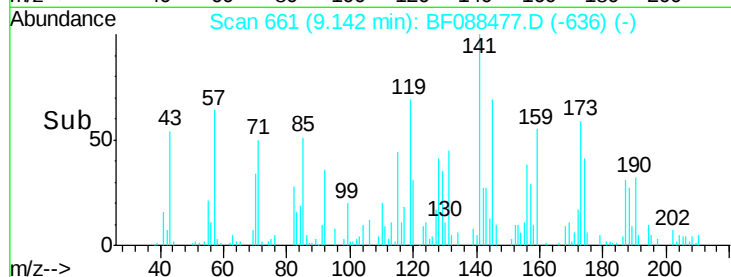
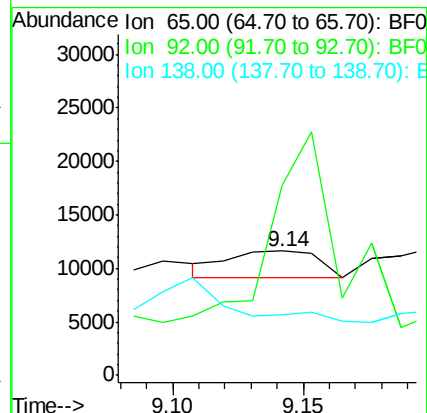
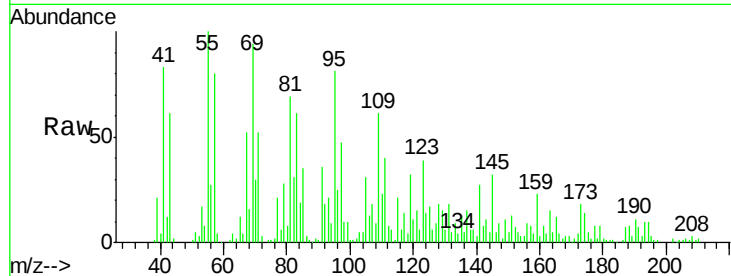
Tgt Ion: 65 Resp: 5800

Ion Ratio Lower Upper

65 100

92 152.0 54.6 82.0#

138 49.2 77.0 115.4#



#48

Acenaphthylene

Concen: 3.22 ng

RT: 9.46 min Scan# 689

Delta R.T. 0.01 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

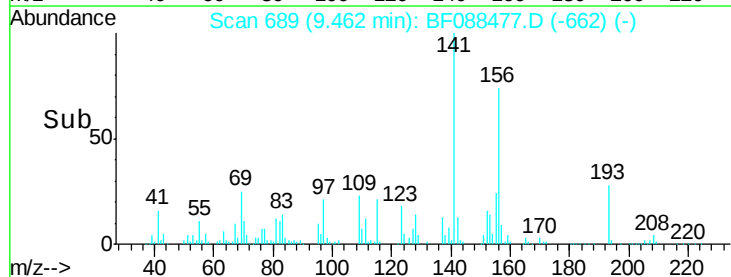
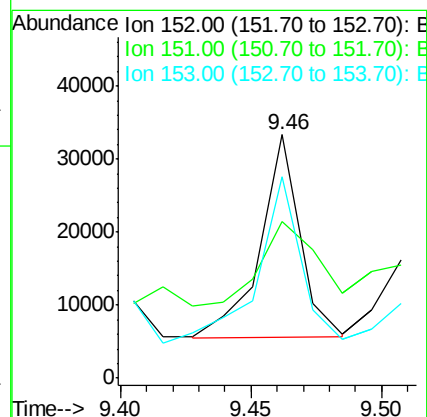
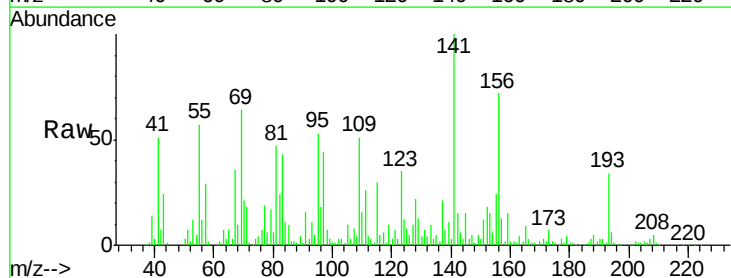
Tgt Ion: 152 Resp: 29177

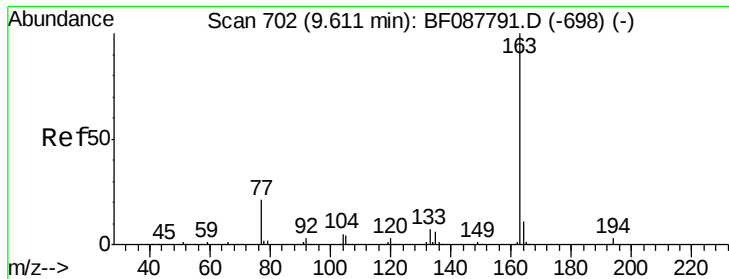
Ion Ratio Lower Upper

152 100

151 64.4 16.2 24.4#

153 82.6 11.0 16.6#

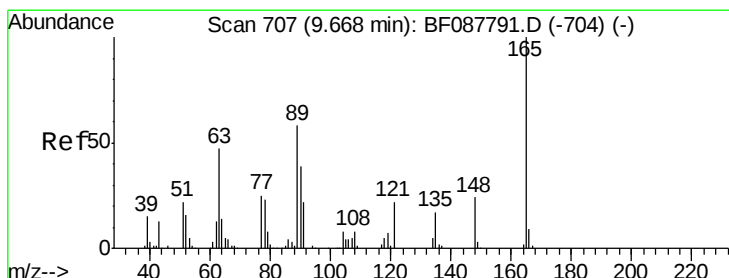
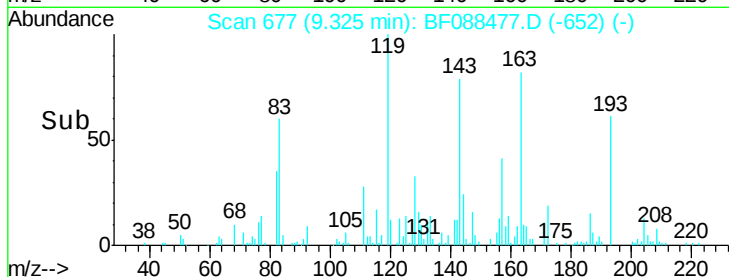
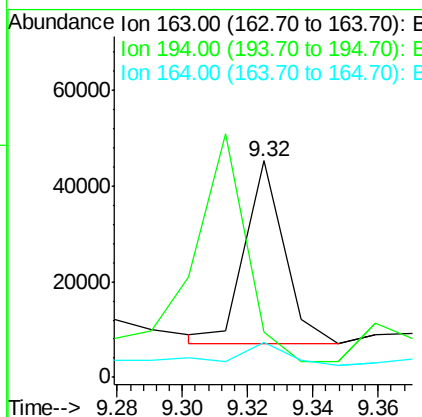
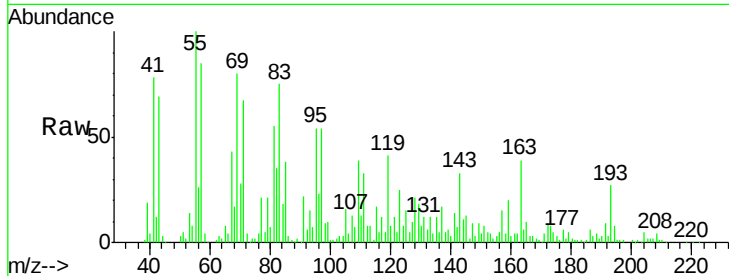




#49
Dimethylphthalate
Concen: 4.96 ng
RT: 9.32 min Scan# 677
Delta R.T. -0.01 min
Lab File: BF088477.D
Acq: 28 Jun 2016 5:06

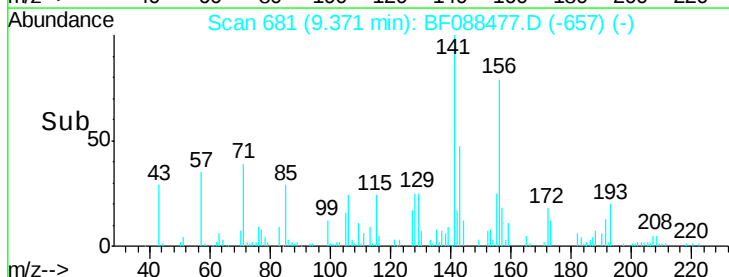
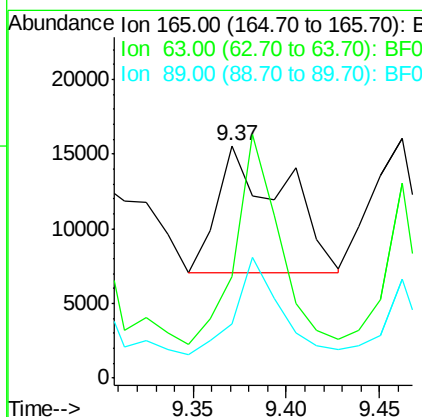
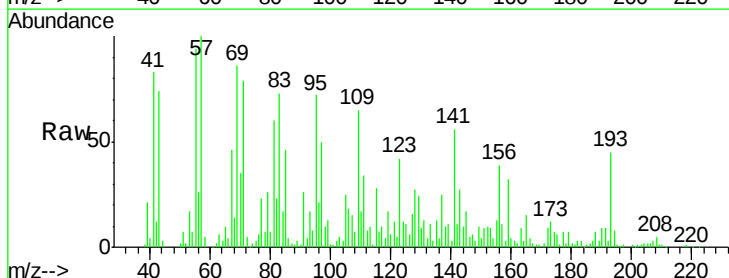
Instrument :
BNA_F
ClientSampleId :
LOCATION-5B(7-9)DL

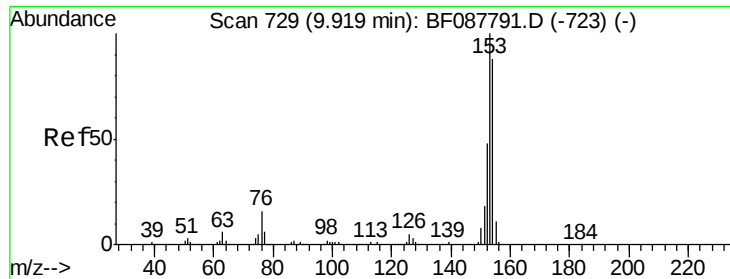
Tgt Ion:163 Resp: 31613
Ion Ratio Lower Upper
163 100
194 20.7 2.8 4.2#
164 16.3 8.3 12.5#



#50
2,6-Dinitrotoluene
Concen: 14.38 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.02 min
Lab File: BF088477.D
Acq: 28 Jun 2016 5:06

Tgt Ion:165 Resp: 20998
Ion Ratio Lower Upper
165 100
63 43.8 28.1 42.1#
89 23.3 32.2 48.2#





#51

Acenaphthene

Concen: 8.02 ng

RT: 9.63 min Scan# 704

Delta R.T. 0.01 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(7-9)DL

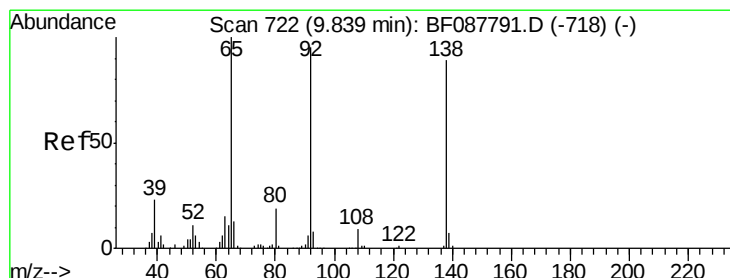
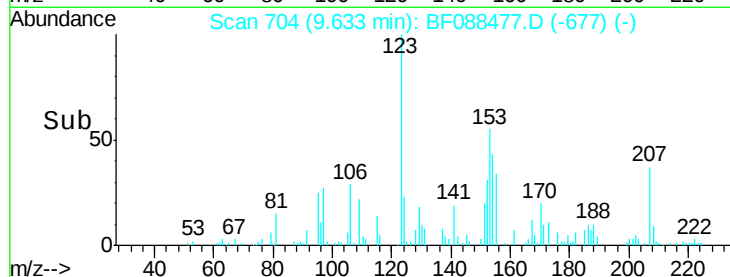
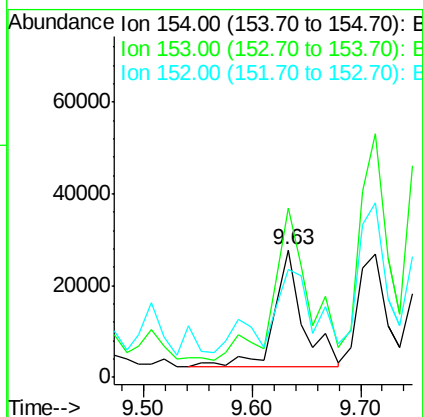
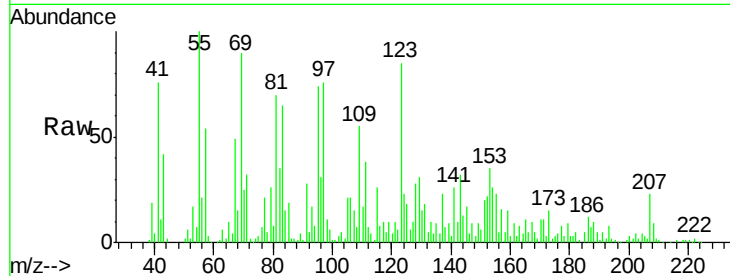
Tgt Ion:154 Resp: 45332

Ion Ratio Lower Upper

154 100

153 132.5 89.5 134.3

152 84.9 42.7 64.1#



#52

3-Nitroaniline

Concen: 16.00 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.02 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

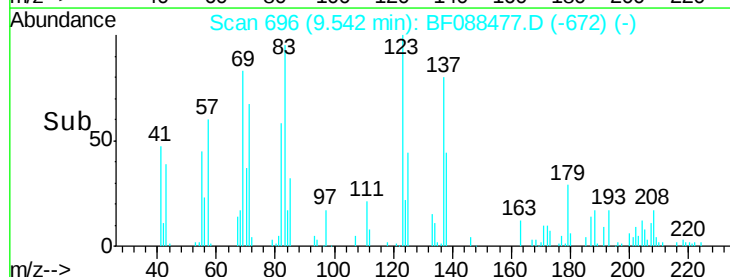
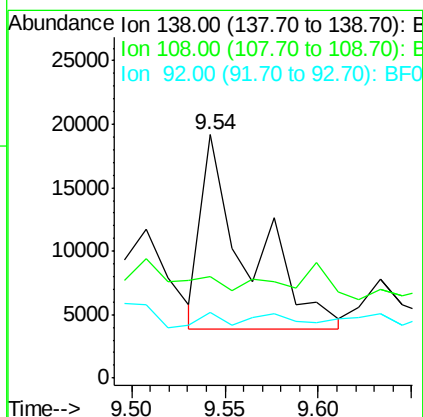
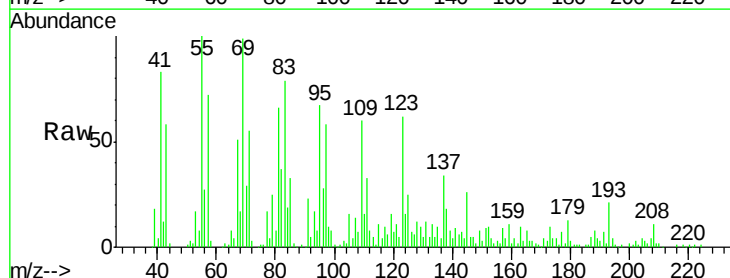
Tgt Ion:138 Resp: 26966

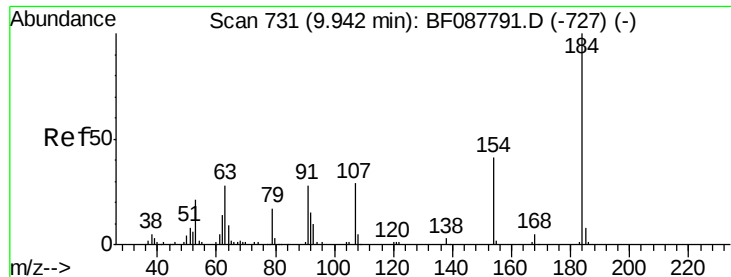
Ion Ratio Lower Upper

138 100

108 41.5 8.5 12.7#

92 27.1 95.7 143.5#

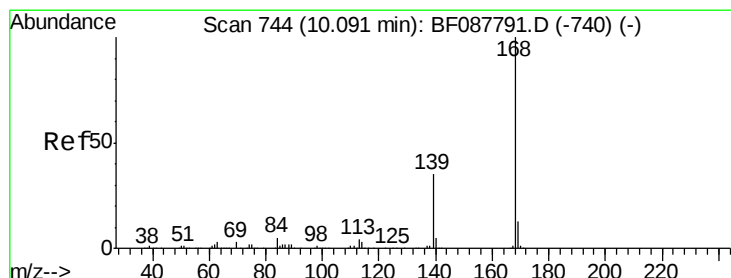
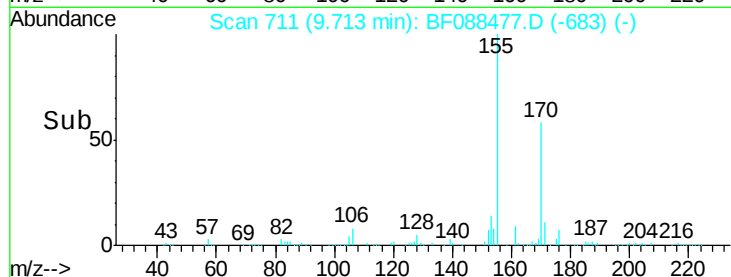
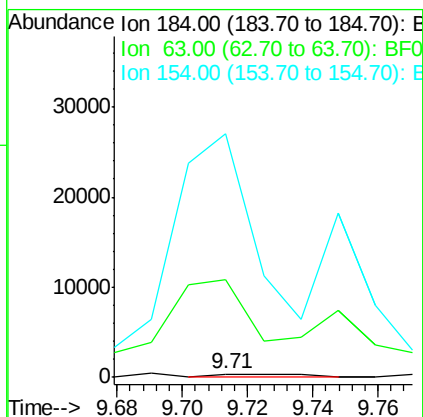
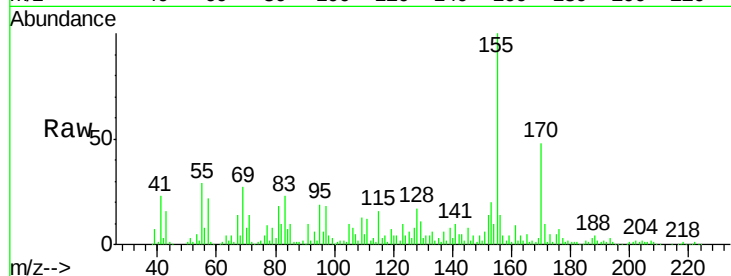




#53
2,4-Dinitrophenol
Concen: 4.13 ng
RT: 9.71 min Scan# 711
Delta R.T. 0.02 min
Lab File: BF088477.D
Acq: 28 Jun 2016 5:06

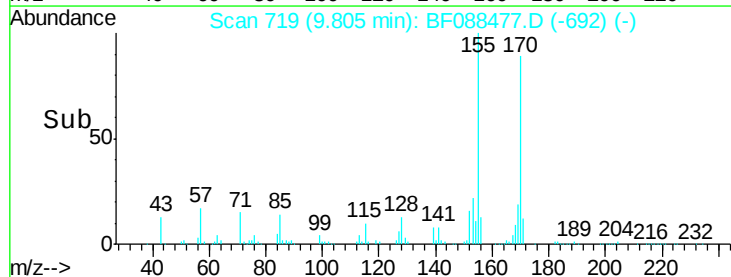
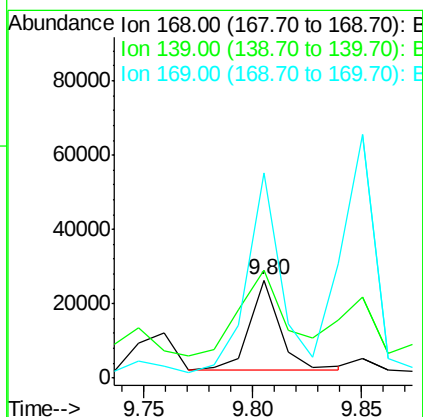
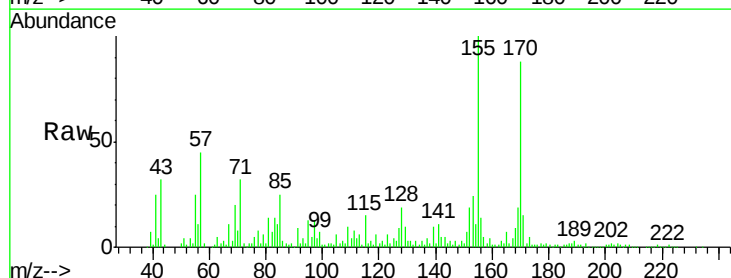
Instrument :
BNA_F
ClientSampleId :
LOCATION-5B(7-9)DL

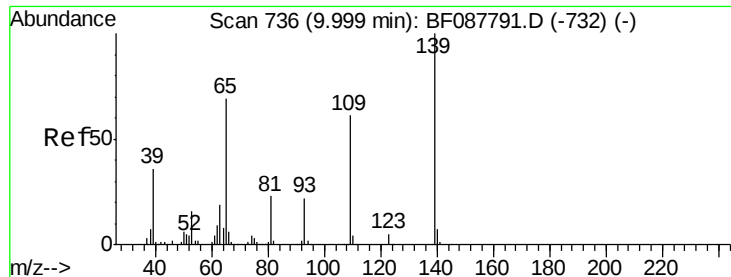
Tgt Ion:184 Resp: 669
Ion Ratio Lower Upper
184 100
63 3091.7 57.6 86.4#
154 7741.0 53.5 80.3#



#54
Dibenzofuran
Concen: 2.96 ng
RT: 9.80 min Scan# 719
Delta R.T. 0.01 min
Lab File: BF088477.D
Acq: 28 Jun 2016 5:06

Tgt Ion:168 Resp: 23015
Ion Ratio Lower Upper
168 100
139 110.3 26.4 39.6#
169 209.9 10.4 15.6#





#55

4-Nitrophenol

Concen: 25.39 ng

RT: 9.80 min Scan# 719

Delta R.T. 0.02 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(7-9)DL

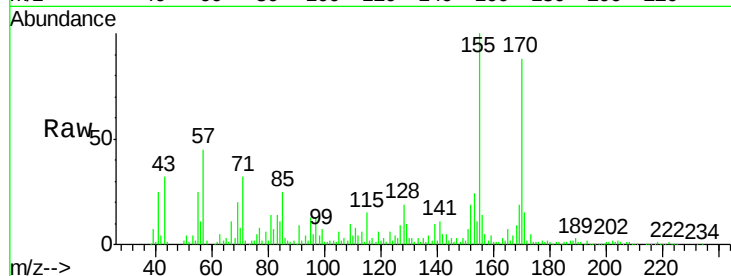
Tgt Ion:139 Resp: 33206

Ion Ratio Lower Upper

139 100

109 103.4 48.9 88.9#

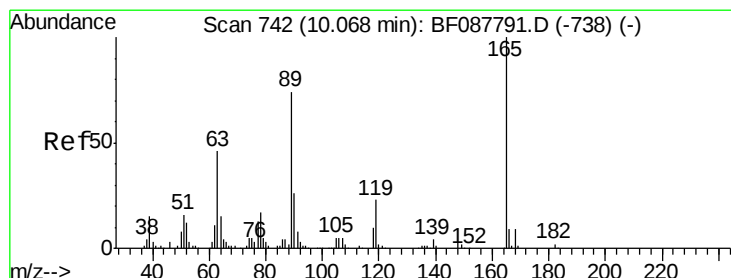
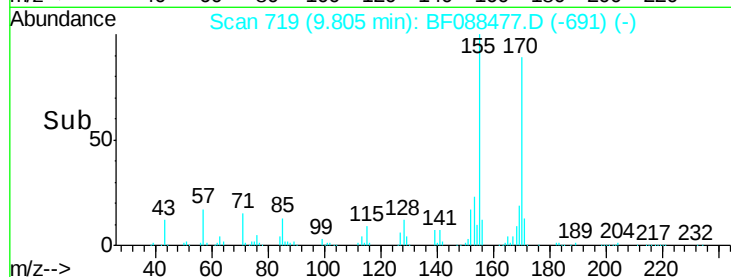
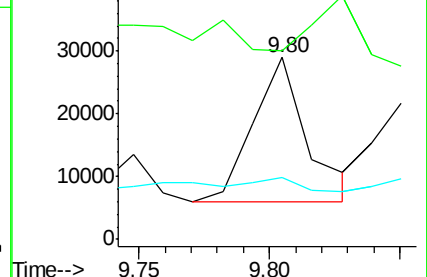
65 34.1 84.9 124.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 10.87 ng

RT: 9.80 min Scan# 719

Delta R.T. 0.00 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

Tgt Ion:165 Resp: 20403

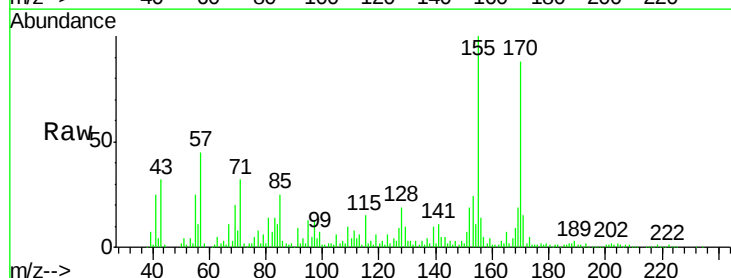
Ion Ratio Lower Upper

165 100

63 66.2 22.0 33.0#

89 33.3 41.1 61.7#

182 13.6 2.0 3.0#

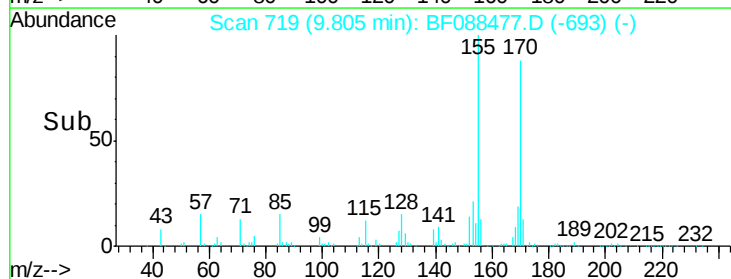
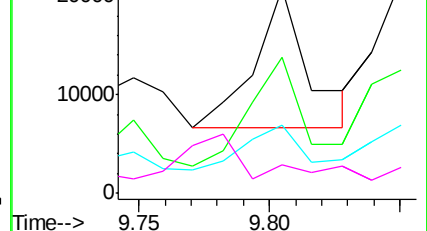


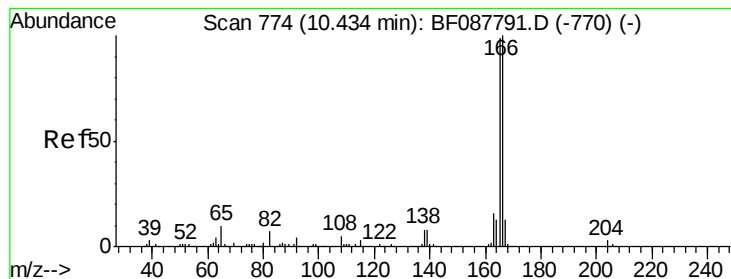
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 9.19 ng

RT: 10.15 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(7-9)DL

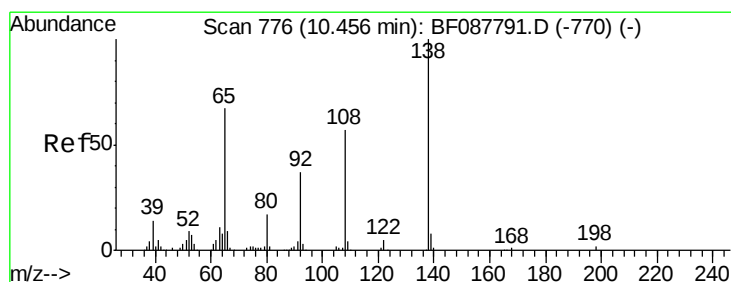
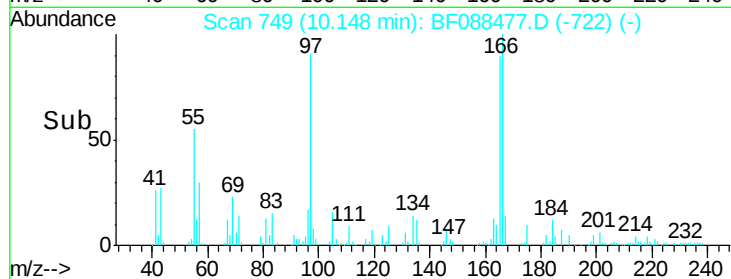
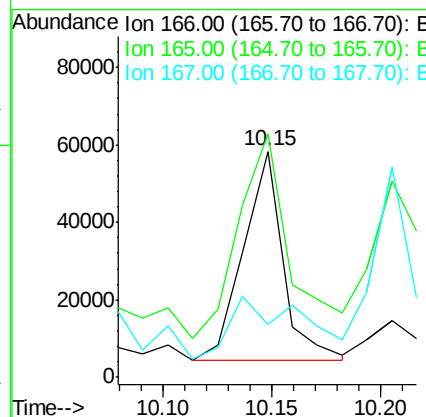
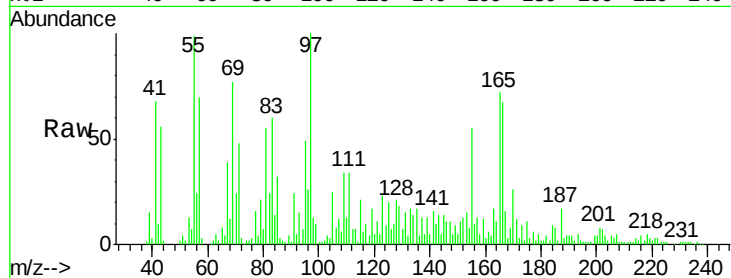
Tgt Ion:166 Resp: 68550

Ion Ratio Lower Upper

166 100

165 107.8 77.8 116.8

167 23.6 11.2 16.8#



#61

4-Nitroaniline

Concen: 5.69 ng

RT: 10.00 min Scan# 736

Delta R.T. -0.19 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

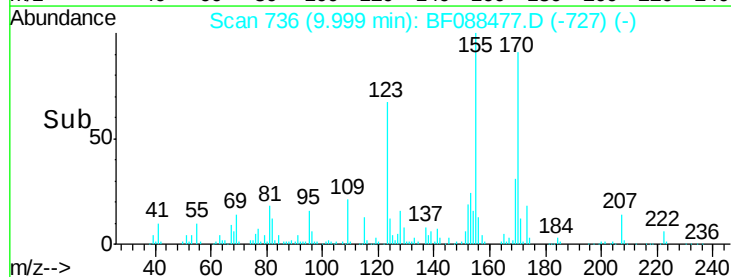
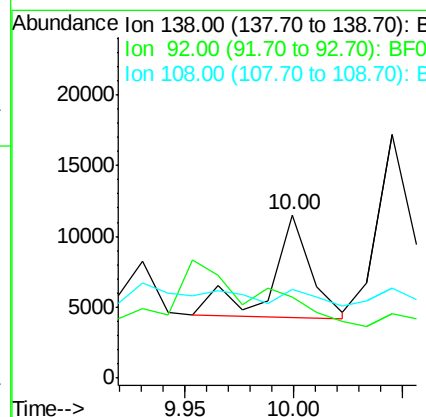
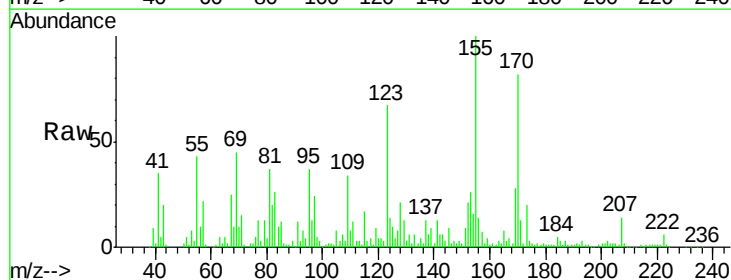
Tgt Ion:138 Resp: 9100

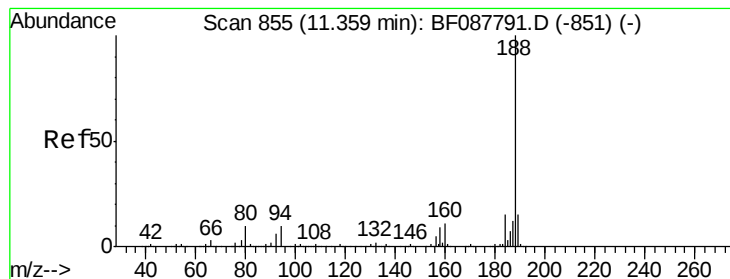
Ion Ratio Lower Upper

138 100

92 49.5 27.3 67.3

108 54.6 46.7 86.7





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.07 min Scan# 830

Delta R.T. 0.01 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(7-9)DL

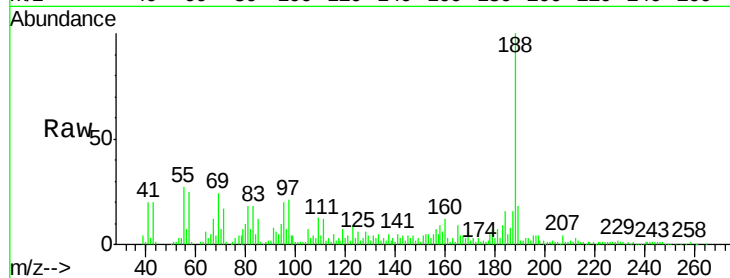
Tgt Ion:188 Resp: 150301

Ion Ratio Lower Upper

188 100

94 10.1 9.0 13.6

80 10.2 10.0 15.0



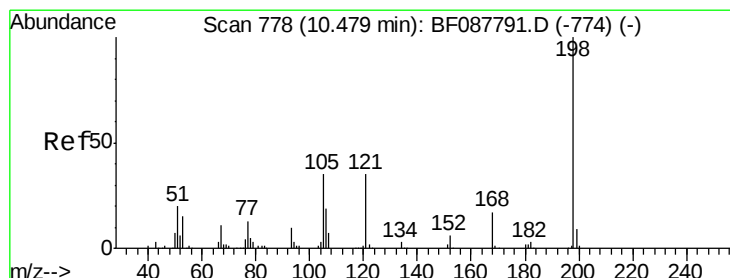
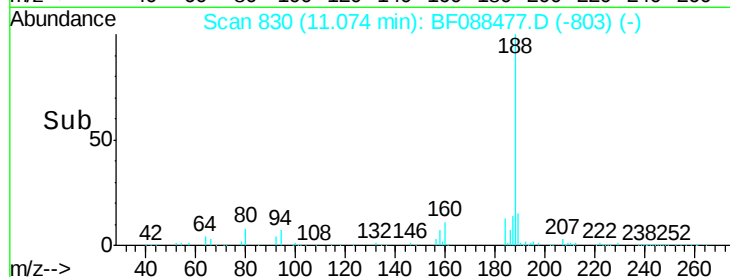
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

11.07

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 5.20 ng

RT: 10.24 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

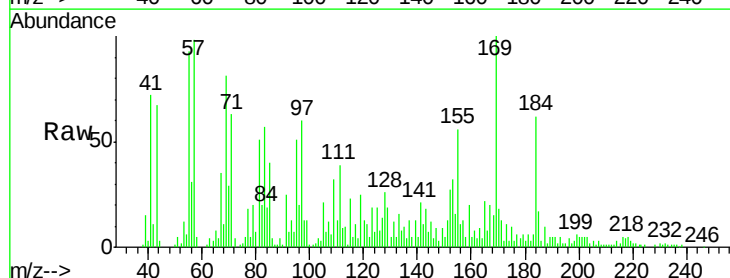
Tgt Ion:198 Resp: 2983

Ion Ratio Lower Upper

198 100

51 151.2 39.6 79.6#

105 690.0 36.6 76.6#



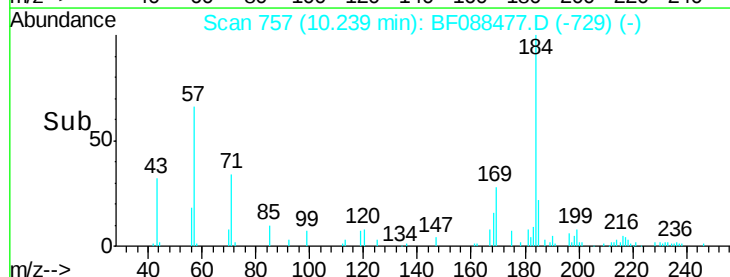
Abundance Ion 198.00 (197.70 to 198.70): E

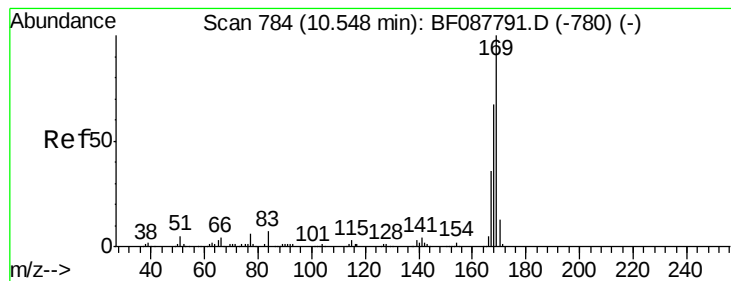
Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

10.24

Time-->

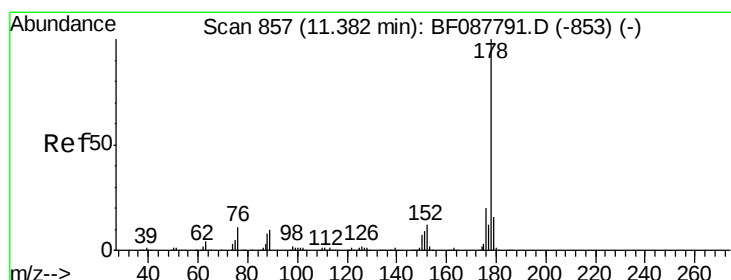
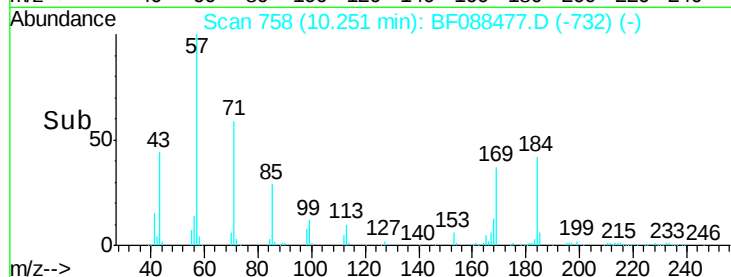
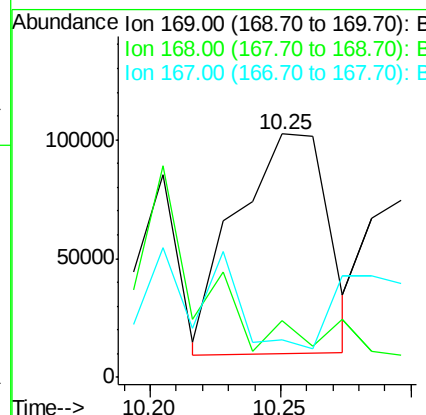
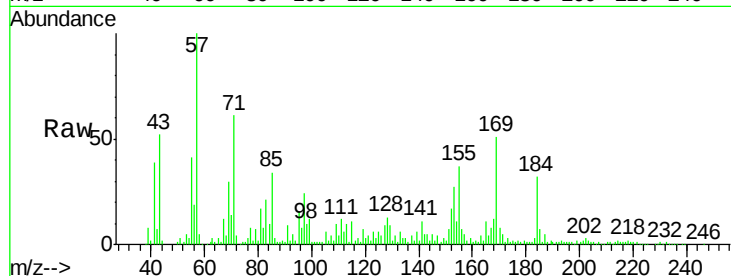




#65
n-Nitrosodiphenylamine
Concen: 45.33 ng
RT: 10.25 min Scan# 758
Delta R.T. 0.00 min
Lab File: BF088477.D
Acq: 28 Jun 2016 5:06

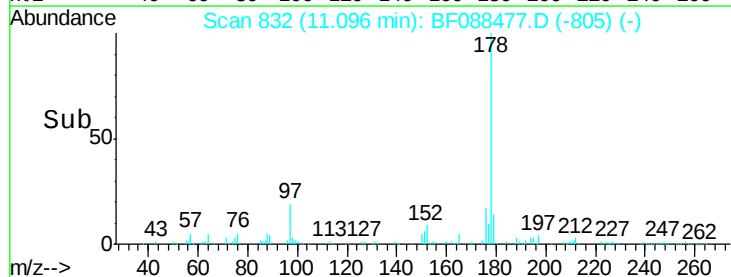
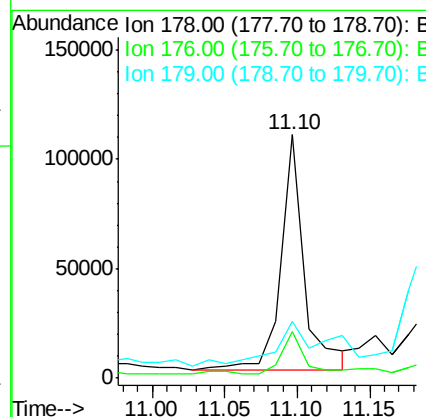
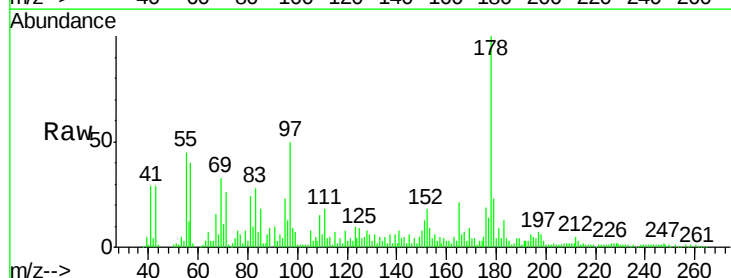
Instrument :
BNA_F
ClientSampleId :
LOCATION-5B(7-9)DL

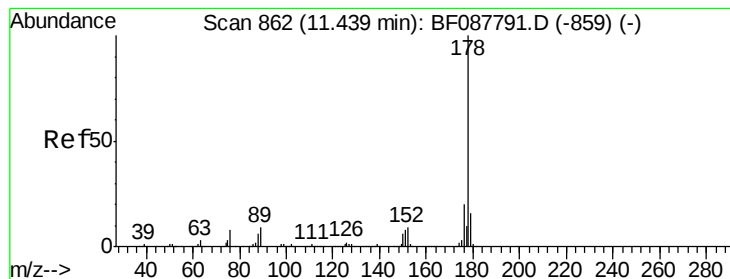
Tgt Ion:169 Resp: 226079
Ion Ratio Lower Upper
169 100
168 23.5 53.4 80.0#
167 15.6 29.4 44.0#



#70
Phenanthrene
Concen: 15.43 ng
RT: 11.10 min Scan# 832
Delta R.T. 0.01 min
Lab File: BF088477.D
Acq: 28 Jun 2016 5:06

Tgt Ion:178 Resp: 121659
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 23.0 13.0 19.4#





#71

Anthracene

Concen: 12.14 ng

RT: 11.19 min Scan# 840

Delta R.T. 0.05 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(7-9)DL

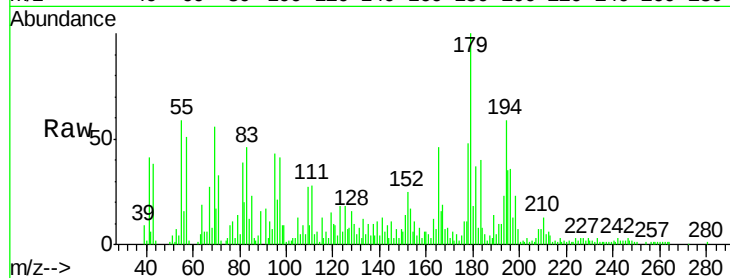
Tgt Ion:178 Resp: 96587

Ion Ratio Lower Upper

178 100

176 23.1 15.6 23.4

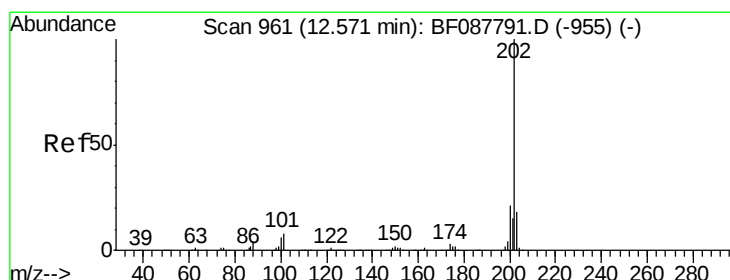
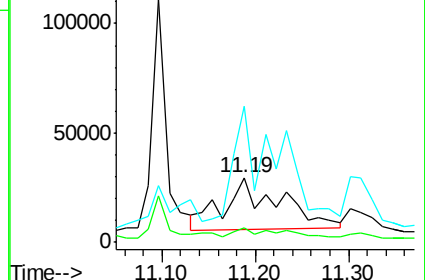
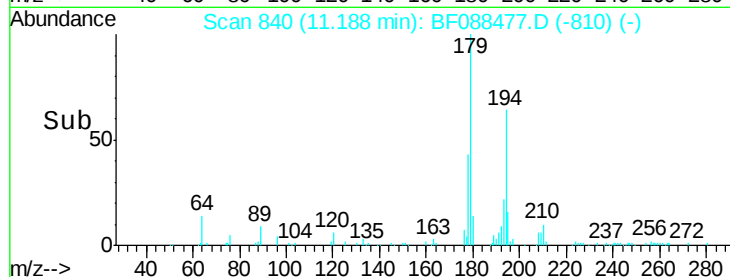
179 209.9 12.8 19.2#



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



#74

Fluoranthene

Concen: 2.90 ng

RT: 12.29 min Scan# 936

Delta R.T. 0.02 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

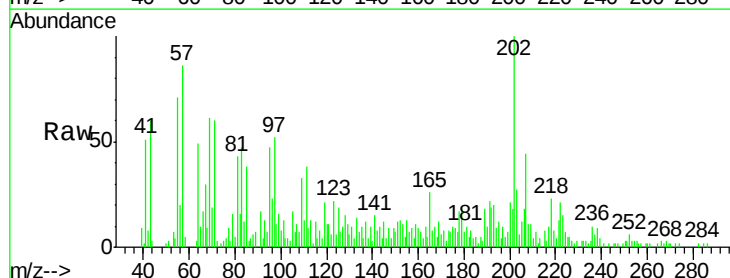
Tgt Ion:202 Resp: 24142

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.1

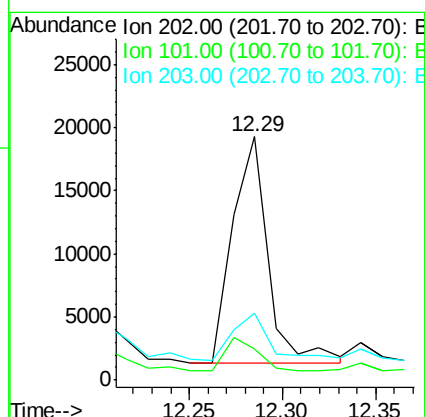
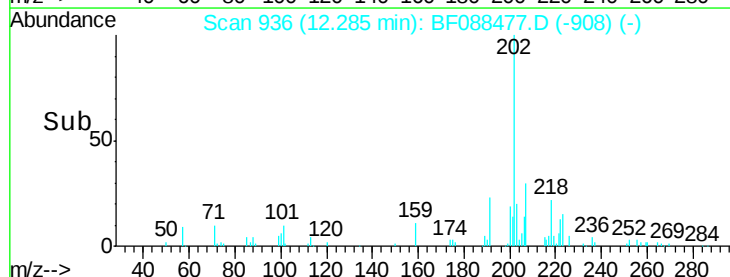
203 27.5 0.0 38.1

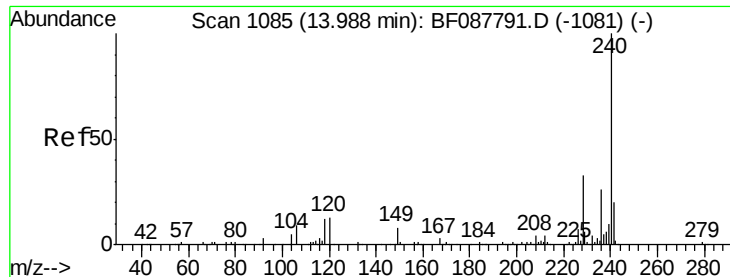


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

Instrument :

BNA_F

ClientSampleId :

LOCATION-5B(7-9)DL

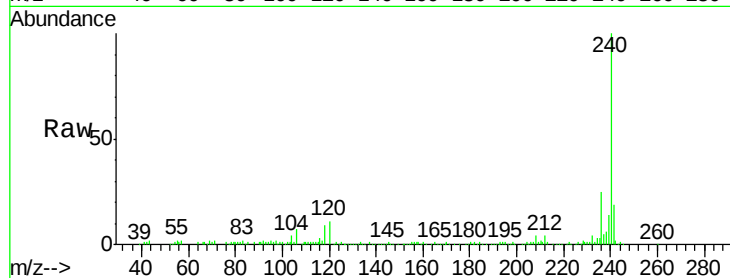
Tgt Ion:240 Resp: 148616

Ion Ratio Lower Upper

240 100

120 10.6 6.8 10.2#

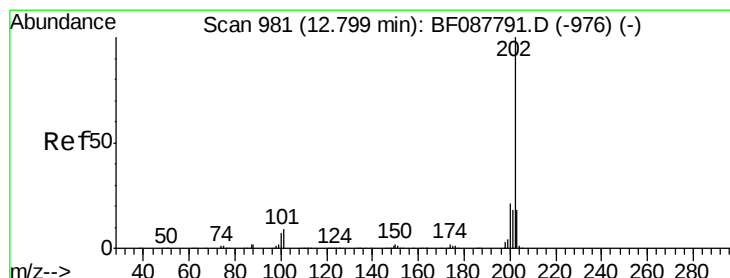
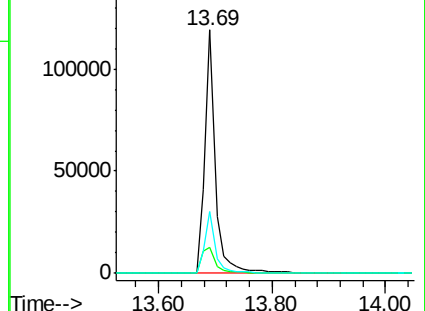
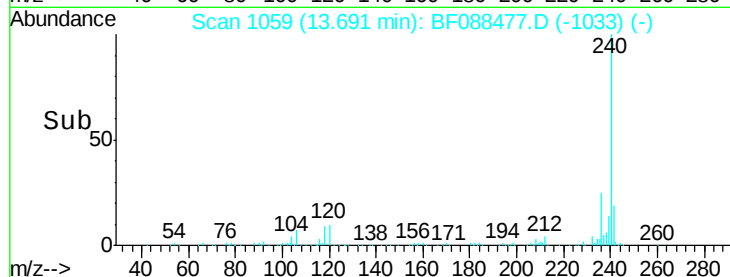
236 25.2 20.2 30.2



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



#77

Pyrene

Concen: 3.58 ng

RT: 12.50 min Scan# 955

Delta R.T. 0.01 min

Lab File: BF088477.D

Acq: 28 Jun 2016 5:06

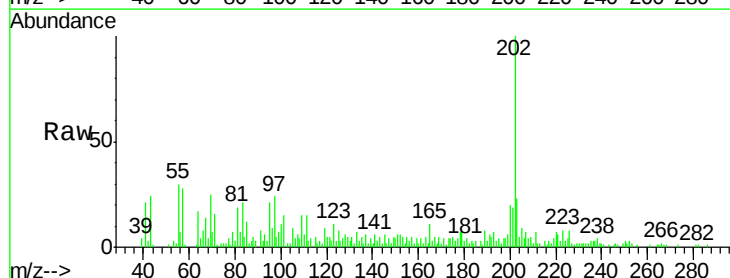
Tgt Ion:202 Resp: 39444

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

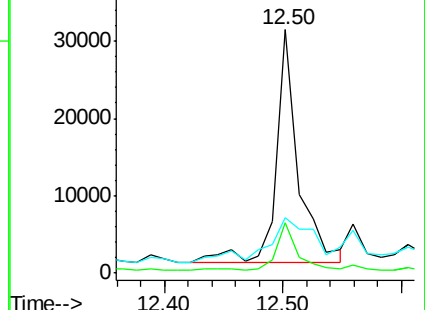
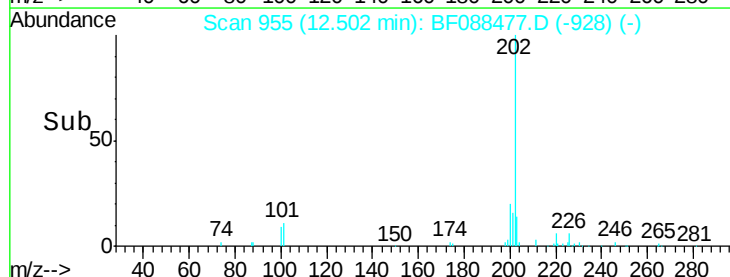
203 22.7 14.5 21.7#

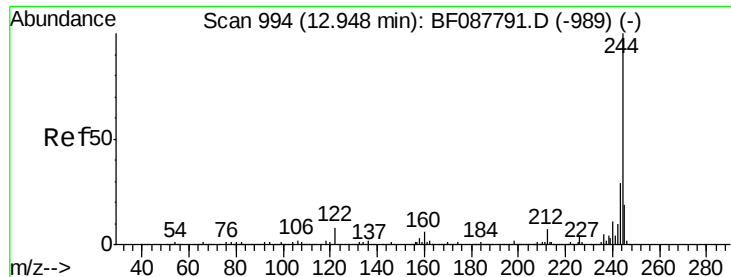


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

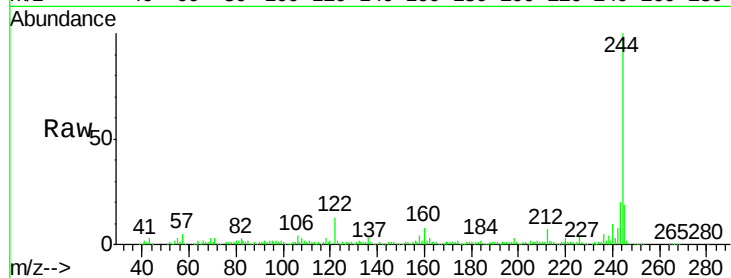




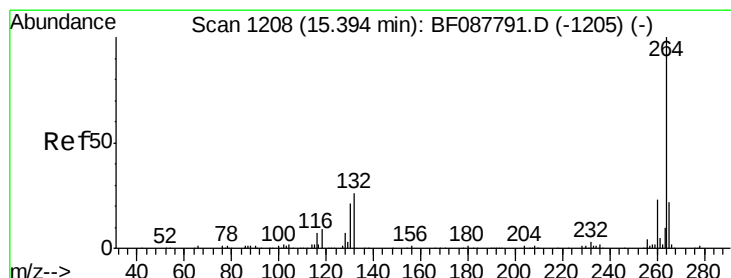
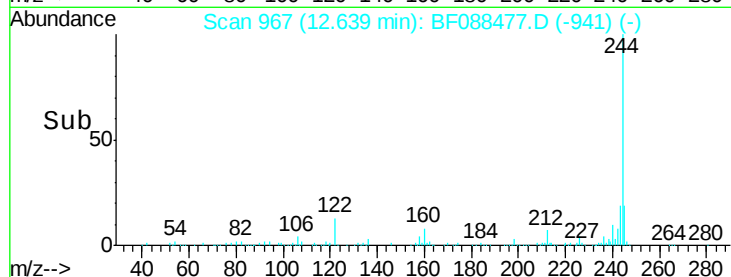
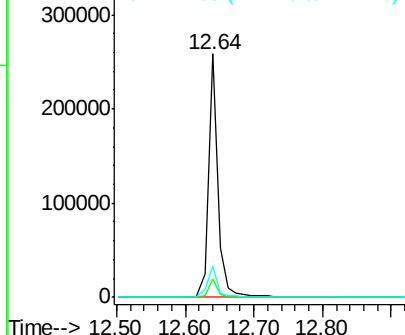
#78
 Terphenyl-d14
 Concen: 38.30 ng
 RT: 12.64 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: BF088477.D
 Acq: 28 Jun 2016 5:06

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

Tgt Ion:244 Resp: 250135
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 12.9 11.2 16.8

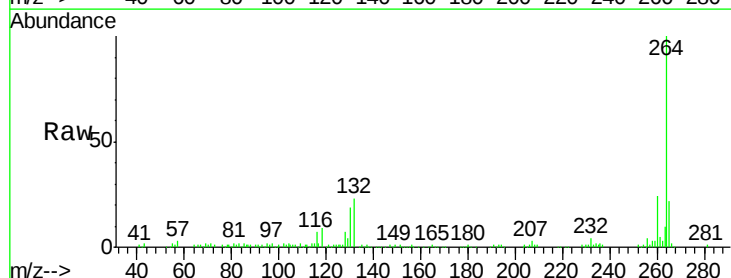


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.04 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: BF088477.D
 Acq: 28 Jun 2016 5:06

Tgt Ion:264 Resp: 151638
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 21.7 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

