

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
 Data File : BF086835.D
 Acq On : 9 May 2016 22:05
 Operator : UM/SJ
 Sample : H2895-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP1-6-9FT

Quant Time: May 10 02:06:37 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	155656	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	656375	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	326295	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	649900	20.00	ng	0.00
75) Chrysene-d12	13.82	240	503336	20.00	ng	-0.01
86) Perylene-d12	15.21	264	383349	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	1391158	151.36	ng	0.01
7) Phenol-d6	6.35	99	1670625	136.00	ng	-0.01
23) Nitrobenzene-d5	7.26	82	1262879	96.61	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	530595	153.60	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	1579366	81.35	ng	0.00
78) Terphenyl-d14	12.78	244	1311552	55.29	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.24	88	274	0.06	ng	# 22
4) n-Nitrosodimethylamine	2.81	42	285	0.04	ng	# 1
6) Aniline	6.36	93	623	0.04	ng	# 1
8) 2-Chlorophenol	6.48	128	231	0.02	ng	# 1
9) Benzaldehyde	6.35	77	2729	0.38	ng	# 4
10) Phenol	6.36	94	16558	1.13	ng	# 1
11) bis(2-Chloroethyl)ether	6.46	93	2003	0.18	ng	# 1
15) Benzyl Alcohol	6.84	79	17806	2.10	ng	# 44
16) 2,2'-oxybis(1-Chloropropan	6.98	45	475	0.02	ng	# 64
17) 2-Methylphenol	7.18	107	677	0.08	ng	# 10
19) n-Nitroso-di-n-propylamine	7.26	70	180068	20.98	ng	# 74
20) 3+4-Methylphenols	7.18	107	677	0.06	ng	# 3
24) Nitrobenzene	7.26	77	3845	0.29	ng	# 36
25) Isophorone	7.26	82	1226045	50.55	ng	# 68
27) 2,4-Dimethylphenol	7.79	122	665	0.07	ng	# 7
31) Naphthalene	8.00	128	4463	0.14	ng	# 96
32) Benzoic acid	7.79	122	665	0.11	ng	# 82
33) 4-Chloroaniline	8.00	127	423	0.03	ng	# 28
37) 2-Methylnaphthalene	8.69	142	830	0.04	ng	# 89
45) 1,1'-Biphenyl	9.16	154	313	0.01	ng	# 43
47) 2-Nitroaniline	9.45	65	3316	0.45	ng	# 1
48) Acenaphthylene	9.58	152	1442	0.05	ng	# 72
49) Dimethylphthalate	9.46	163	246009	9.88	ng	# 99
50) 2,6-Dinitrotoluene	9.46	165	2491	0.48	ng	# 14
51) Acenaphthene	9.76	154	791	0.04	ng	# 79
54) Dibenzofuran	9.94	168	1398	0.06	ng	# 85
55) 4-Nitrophenol	9.94	139	318	4.64	ng	# 64
56) 2,4-Dinitrotoluene	9.72	165	42912	6.62	ng	# 16
57) Fluorene	10.27	166	1206	0.06	ng	# 76
59) Diethylphthalate	10.16	149	2552	0.11	ng	# 93
62) Azobenzene	10.40	77	1502	0.06	ng	# 6
64) 4,6-Dinitro-2-methylphenol	10.51	198	1239	0.31	ng	# 1
65) n-Nitrosodiphenylamine	10.38	169	795	0.04	ng	# 77
66) 4-Bromophenyl-phenylether	10.52	248	30760	4.67	ng	# 1

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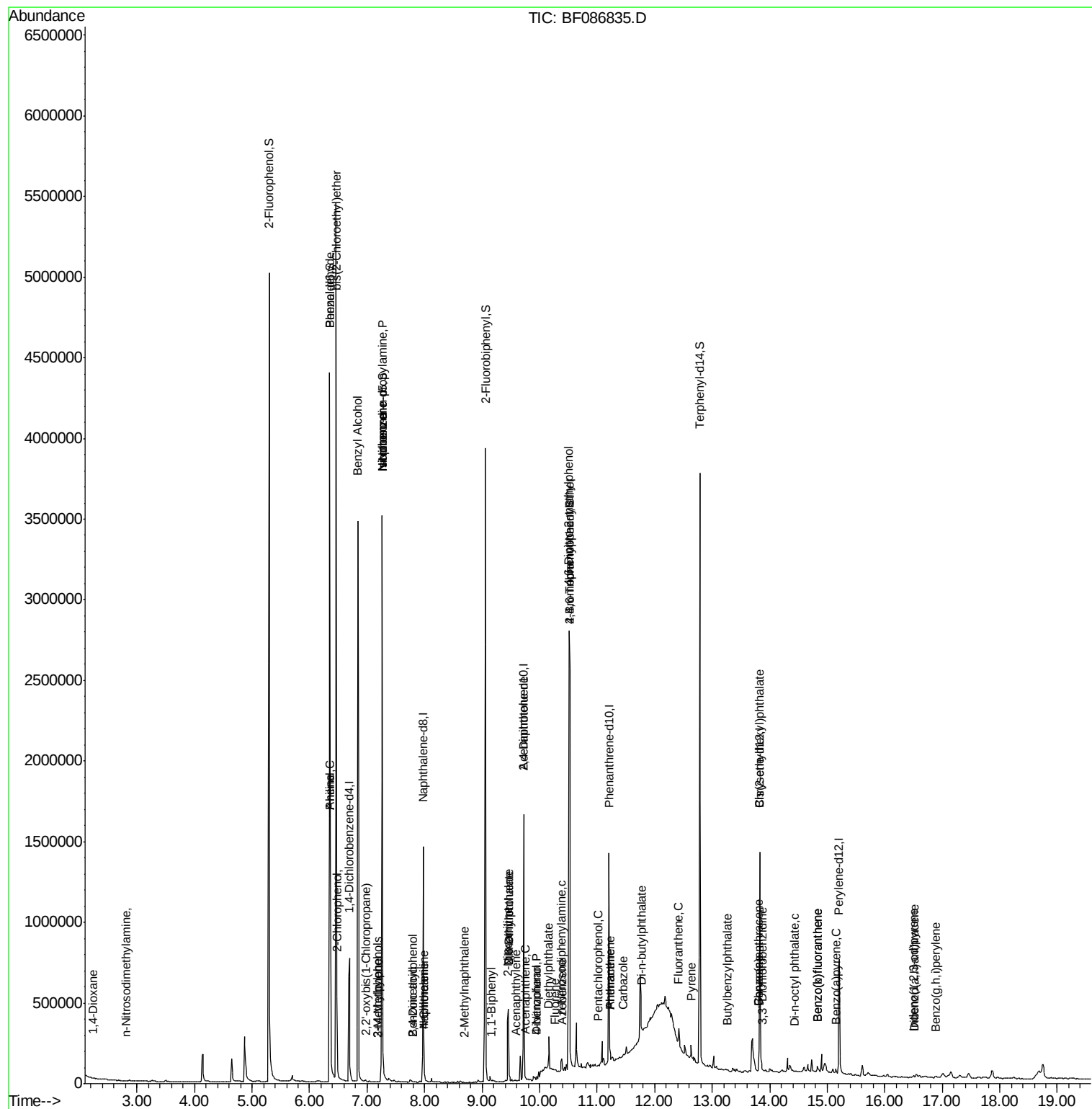
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Pentachlorophenol	11.02	266	246	0.07	ng	# 65
70) Phenanthrene	11.23	178	17910	0.52	ng	99
71) Anthracene	11.23	178	17910	0.50	ng	99
72) Carbazole	11.46	167	2018	0.07	ng	# 66
73) Di-n-butylphthalate	11.78	149	5536	0.15	ng	# 86
74) Fluoranthene	12.42	202	35132	0.98	ng	98
77) Pyrene	12.64	202	36511	0.95	ng	98
79) Butylbenzylphthalate	13.26	149	552	0.03	ng	# 9
80) Benzo(a)anthracene	13.81	228	19955	0.71	ng	# 92
81) 3,3'-Dichlorobenzidine	13.87	252	217	0.01	ng	# 27
82) Chrysene	13.81	228	19955	0.69	ng	# 94
83) Bis(2-ethylhexyl)phthalate	13.82	149	2833	0.14	ng	# 68
84) Di-n-octyl phthalate	14.43	149	568	0.02	ng	# 52
85) Indeno(1,2,3-cd)pyrene	16.50	276	7821	0.33	ng	# 89
87) Benzo(b)fluoranthene	14.83	252	25852	1.04	ng	98
88) Benzo(k)fluoranthene	14.83	252	25852	1.27	ng	# 95
89) Benzo(a)pyrene	15.15	252	14094	0.66	ng	# 95
90) Dibenzo(a,h)anthracene	16.51	278	1955	0.11	ng	# 56
91) Benzo(g,h,i)perylene	16.89	276	8861	0.48	ng	92

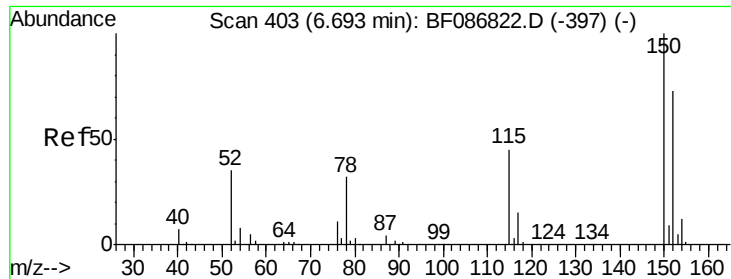
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.00 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

Instrument :

BNA_F

ClientSampleId :

TP1-6-9FT

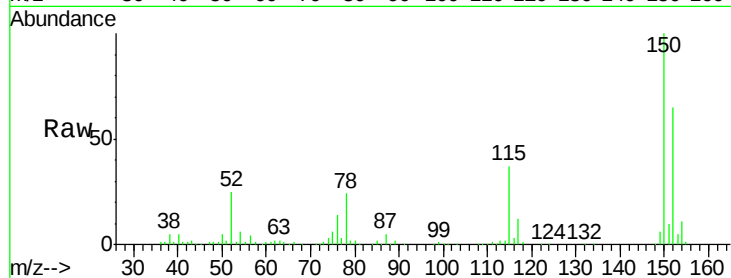
Tgt Ion:152 Resp: 155656

Ion Ratio Lower Upper

152 100

150 153.9 125.8 188.6

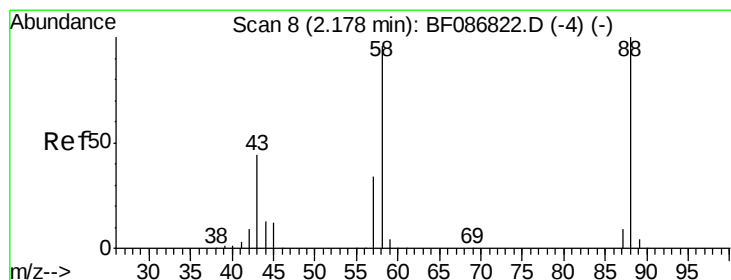
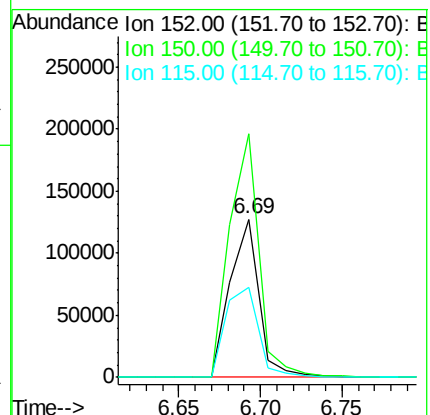
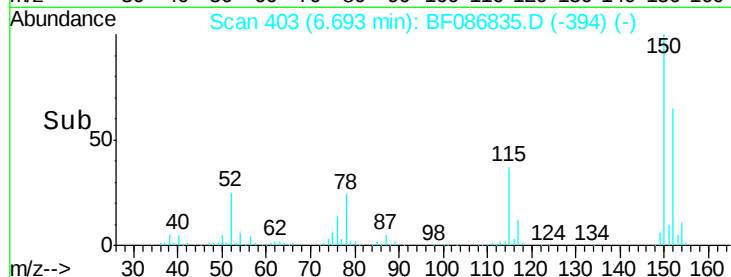
115 56.9 51.5 77.3



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: 0.06 ng

RT: 2.24 min Scan# 13

Delta R.T. 0.06 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

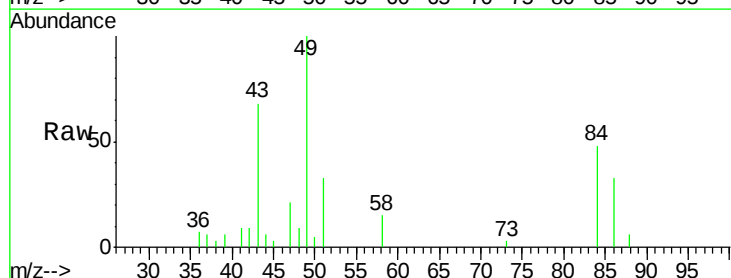
Tgt Ion: 88 Resp: 274

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

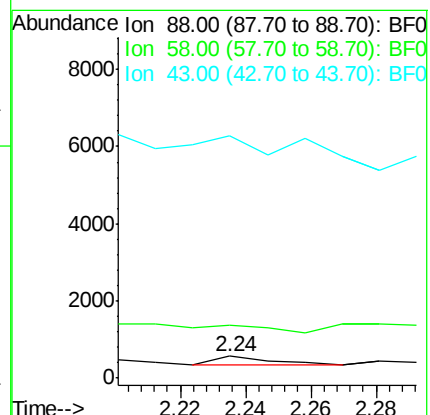
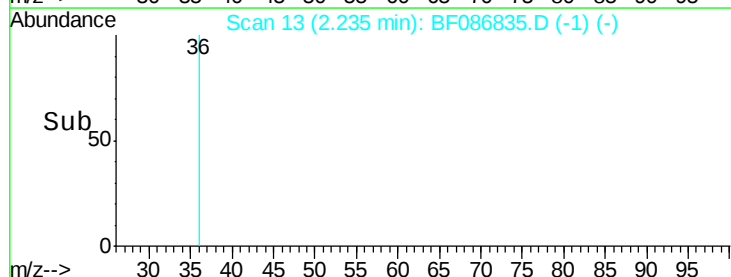
43 0.0 21.8 32.6#

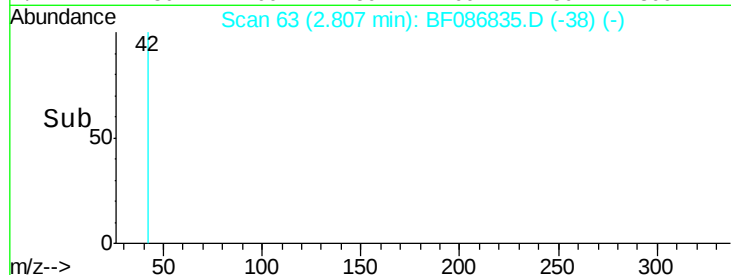
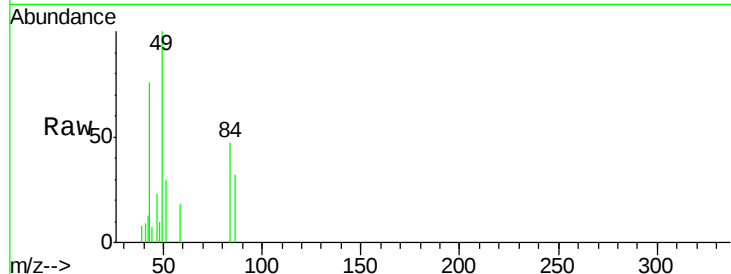
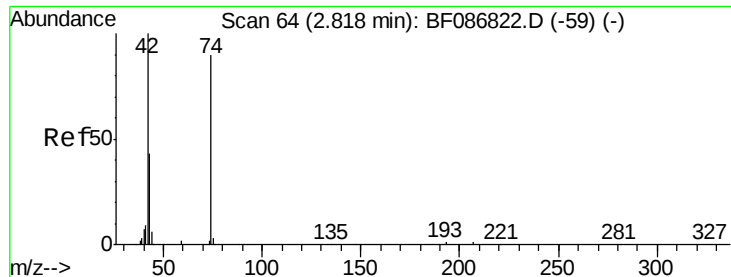


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 0.04 ng

RT: 2.81 min Scan# 63

Delta R.T. -0.01 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

Instrument :

BNA_F

ClientSampleId :

TP1-6-9FT

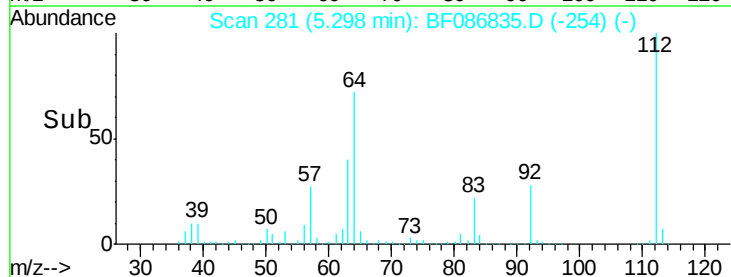
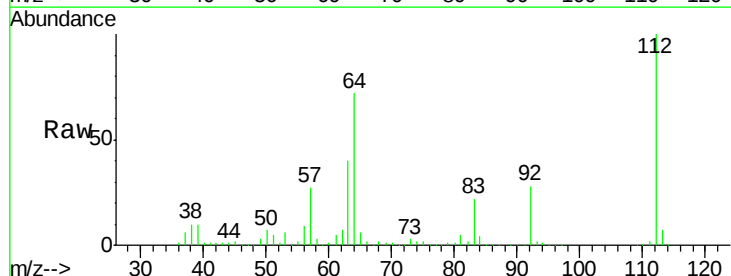
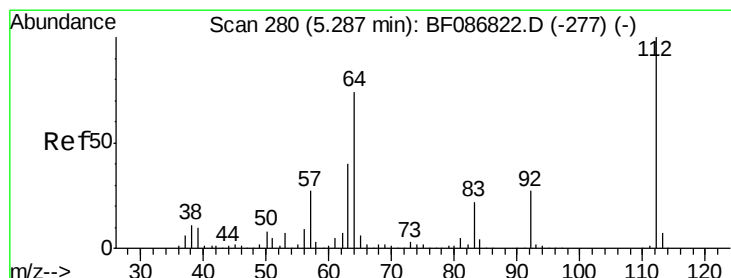
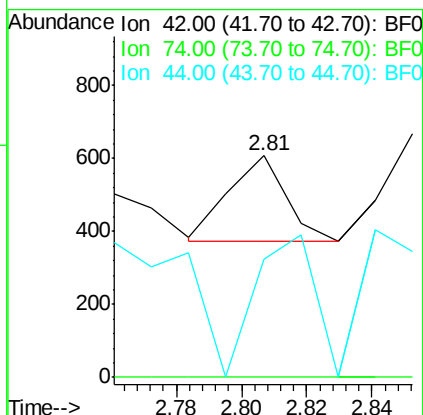
Tgt Ion: 42 Resp: 285

Ion Ratio Lower Upper

42 100

74 0.0 123.4 185.0#

44 53.5 5.8 8.6#



#5

2-Fluorophenol

Concen: 151.36 ng

RT: 5.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

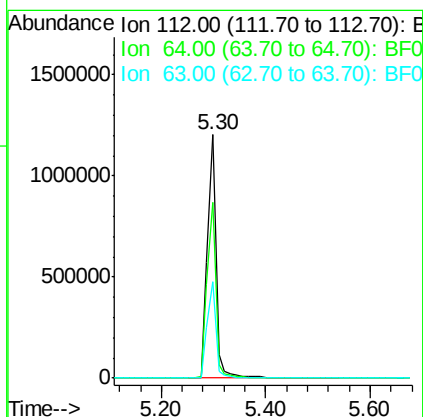
Tgt Ion: 112 Resp: 1391158

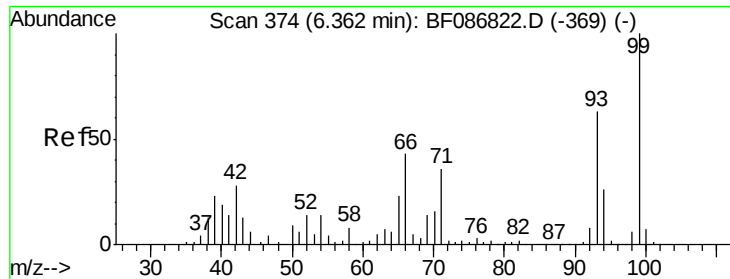
Ion Ratio Lower Upper

112 100

64 72.3 52.1 78.1

63 39.7 25.7 38.5#





#6

Aniline

Concen: 0.04 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.00 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

Instrument :

BNA_F

ClientSampleId :

TP1-6-9FT

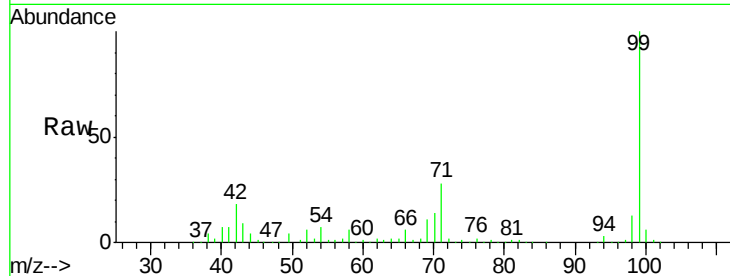
Tgt Ion: 93 Resp: 623

Ion Ratio Lower Upper

93 100

66 5871.1 39.0 58.6#

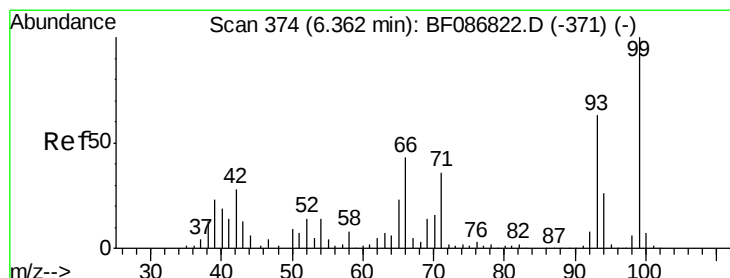
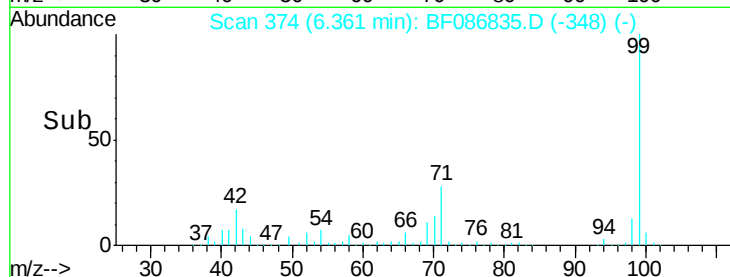
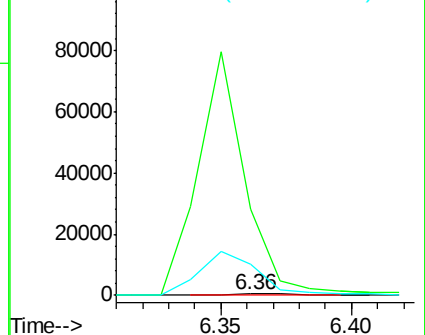
65 2089.4 20.6 31.0#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 136.00 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

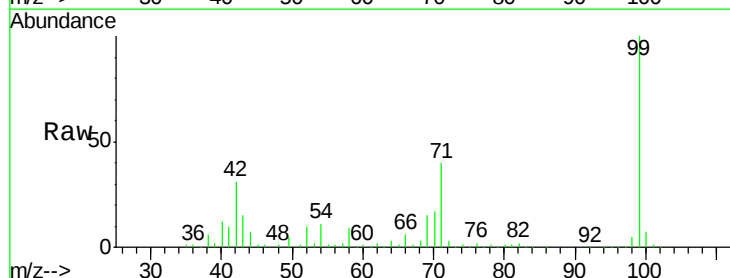
Tgt Ion: 99 Resp: 1670625

Ion Ratio Lower Upper

99 100

42 30.6 13.6 20.4#

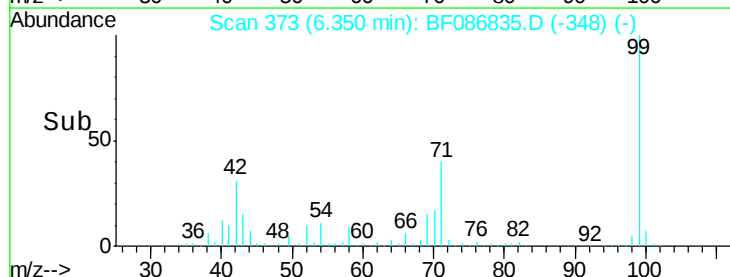
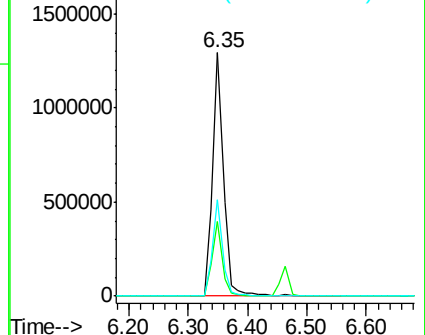
71 39.7 24.6 36.8#

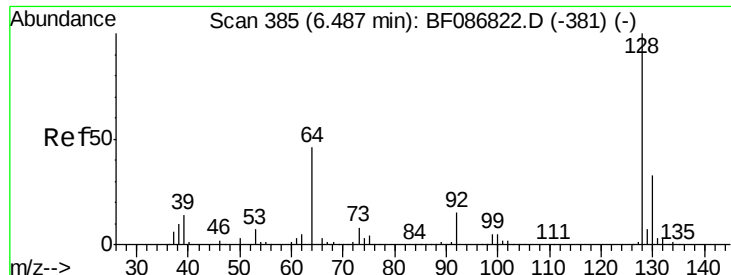


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#8

2-Chlorophenol

Concen: 0.02 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

Instrument :

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TP1-6-9FT

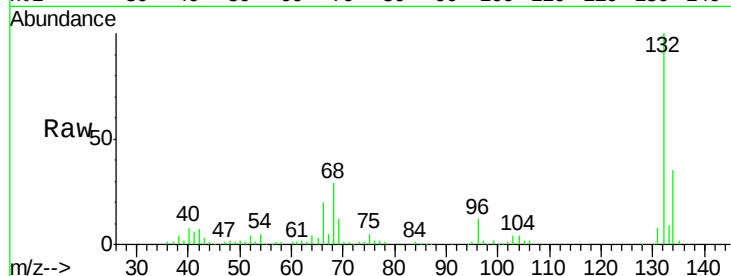
Tgt Ion:128 Resp: 231

Ion Ratio Lower Upper

128 100

130 138.9 12.5 52.5#

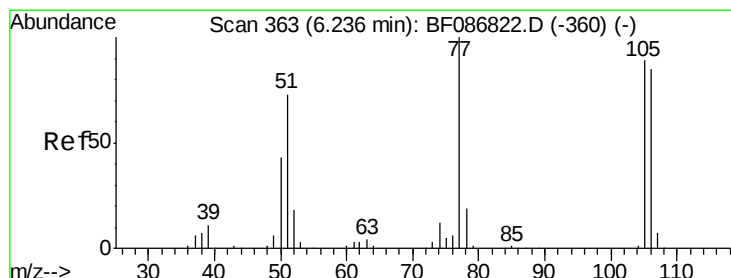
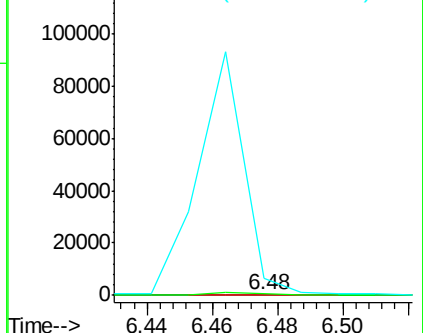
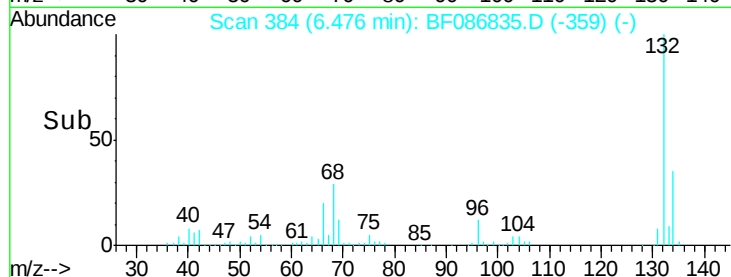
64 2008.3 27.3 67.3#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: 0.38 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.11 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

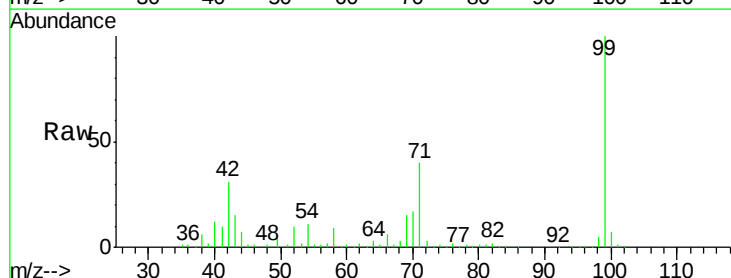
Tgt Ion: 77 Resp: 2729

Ion Ratio Lower Upper

77 100

105 0.0 72.7 112.7#

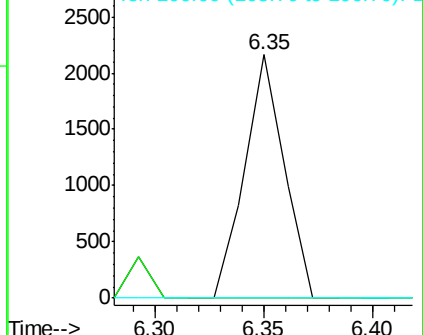
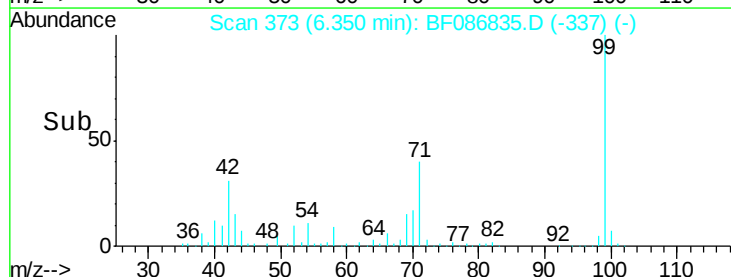
106 0.0 70.8 110.8#

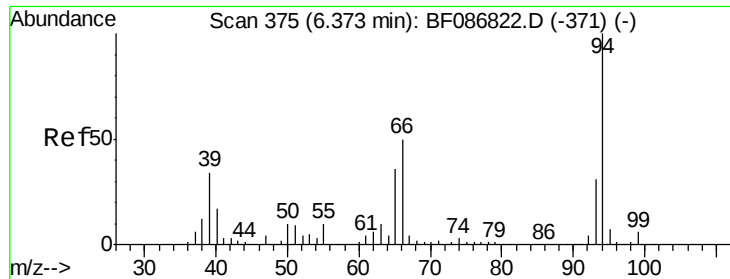


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 1.13 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF086835.D

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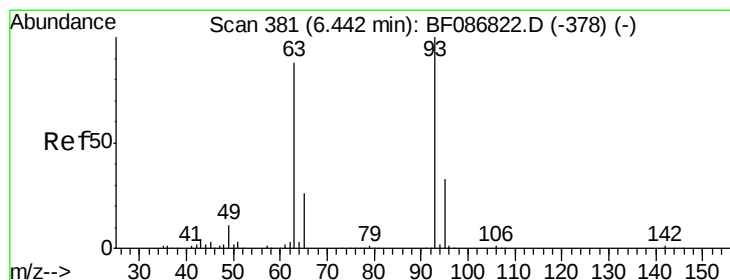
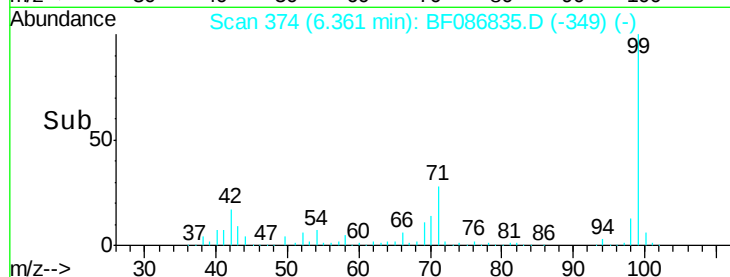
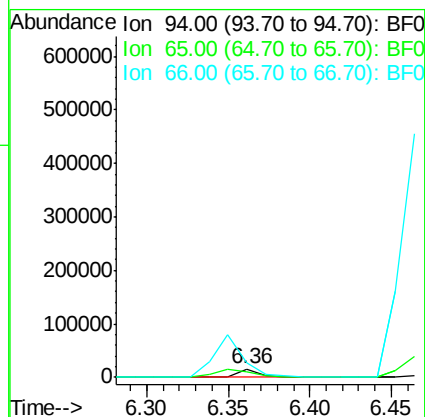
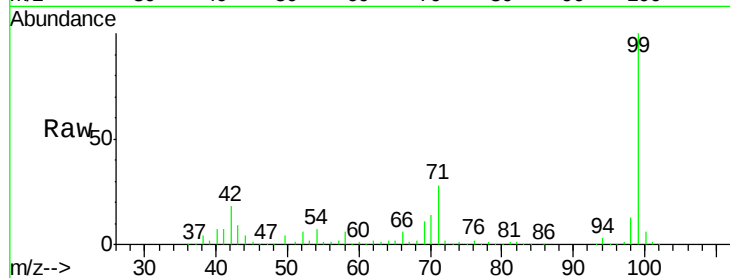
Tgt Ion: 94 Resp: 16558

Ion Ratio Lower Upper

94 100

65 61.8 7.2 47.2#

66 173.6 14.9 54.9#



#11

bis(2-Chloroethyl)ether

Concen: 0.18 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.02 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

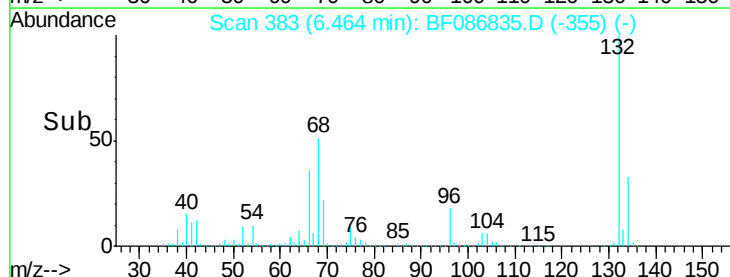
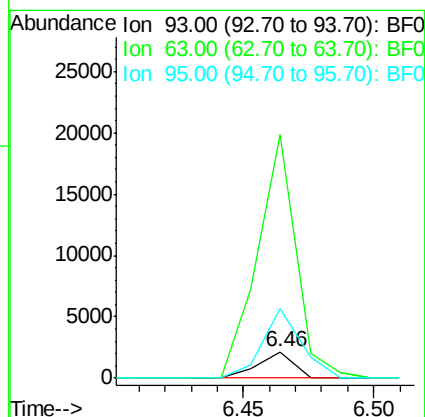
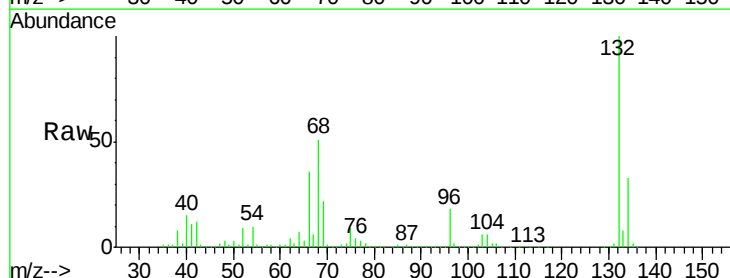
Tgt Ion: 93 Resp: 2003

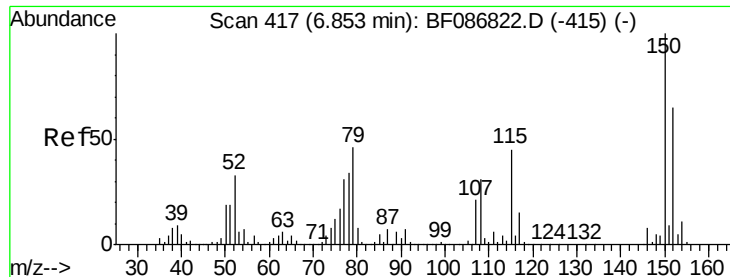
Ion Ratio Lower Upper

93 100

63 919.7 58.0 98.0#

95 263.8 11.9 51.9#

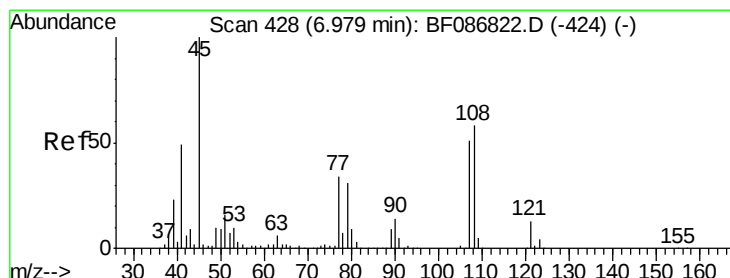
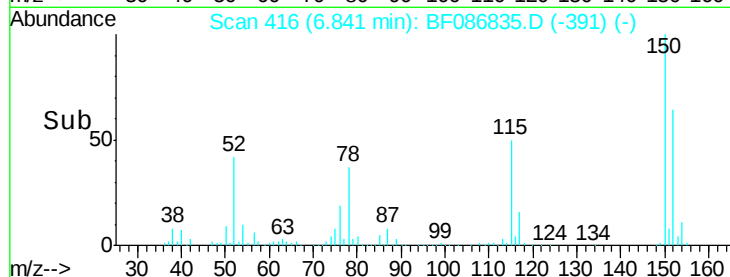
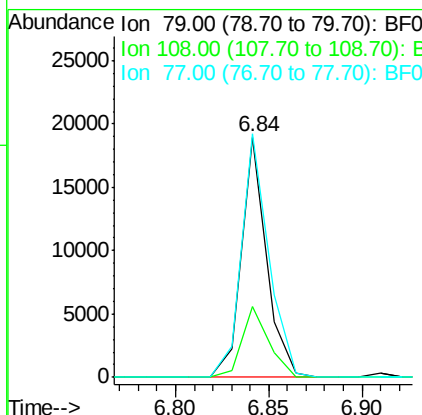
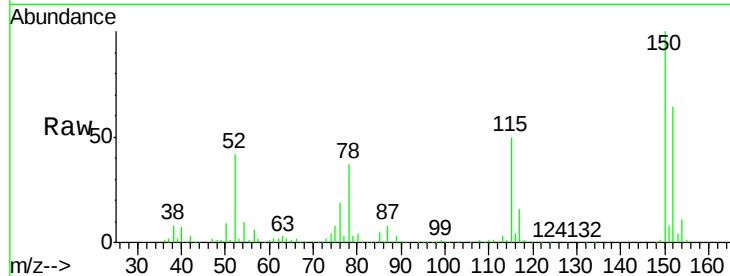




#15
Benzyl Alcohol
Concen: 2.10 ng
RT: 6.84 min Scan# 416
Delta R.T. -0.01 min
Lab File: BF086835.D
Acq: 9 May 2016 22:05

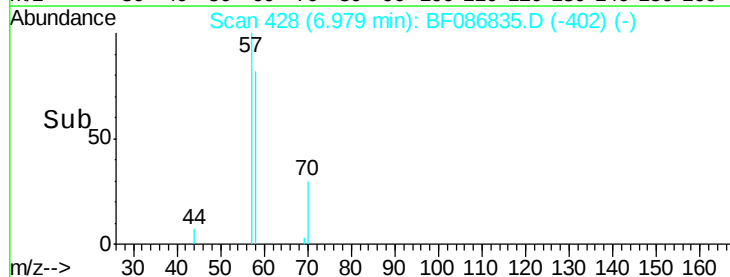
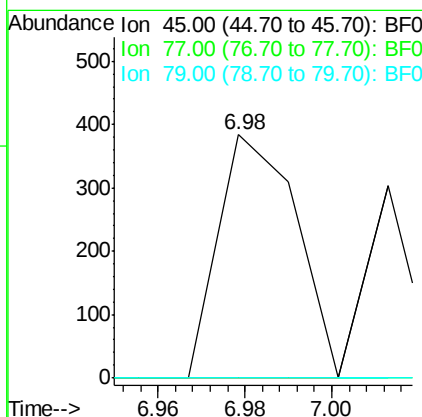
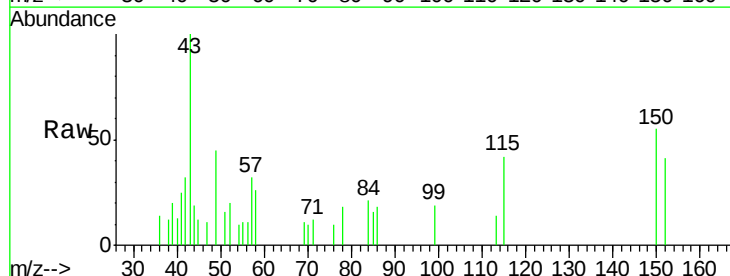
Instrument :
BNA_F
ClientSampleId :
TP1-6-9FT

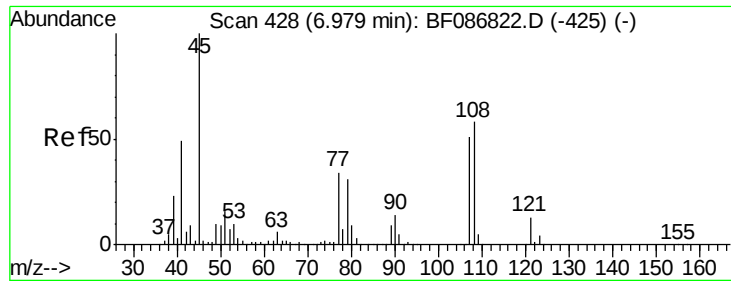
Tgt Ion: 79 Resp: 17806
Ion Ratio Lower Upper
79 100
108 29.5 68.4 102.6#
77 101.4 50.6 76.0#



#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.02 ng
RT: 6.98 min Scan# 428
Delta R.T. -0.00 min
Lab File: BF086835.D
Acq: 9 May 2016 22:05

Tgt Ion: 45 Resp: 475
Ion Ratio Lower Upper
45 100
77 0.0 0.0 36.4
79 0.0 0.0 33.4

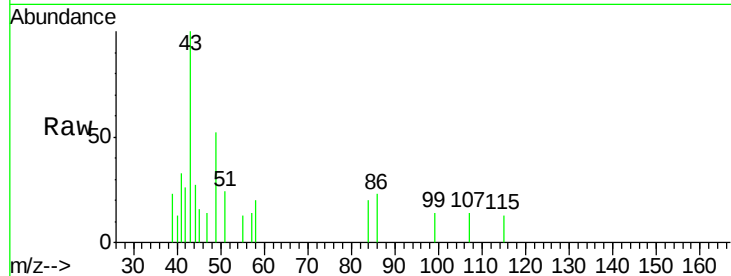




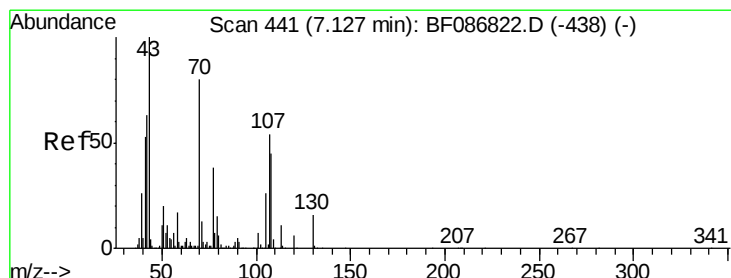
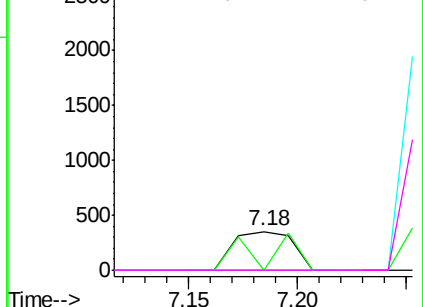
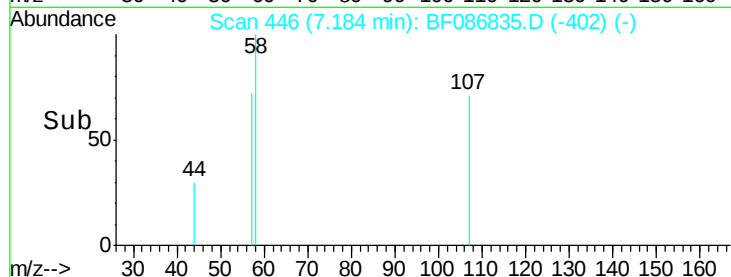
#17
2-Methylphenol
Concen: 0.08 ng
RT: 7.18 min Scan# 446
Delta R.T. 0.21 min
Lab File: BF086835.D
Acq: 9 May 2016 22:05

Instrument :
BNA_F
ClientSampleId :
TP1-6-9FT

Tgt Ion: 107 Resp: 677
Ion Ratio Lower Upper
107 100
108 0.0 93.7 140.5#
77 0.0 33.4 50.0#
79 0.0 34.3 51.5#

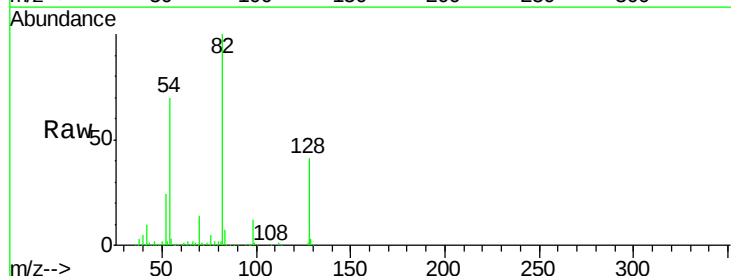


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

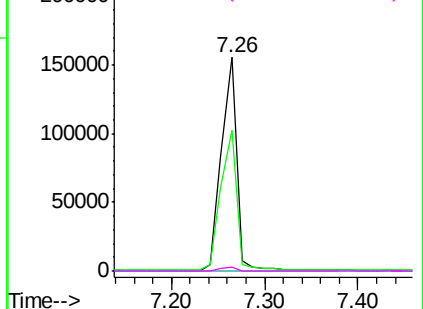
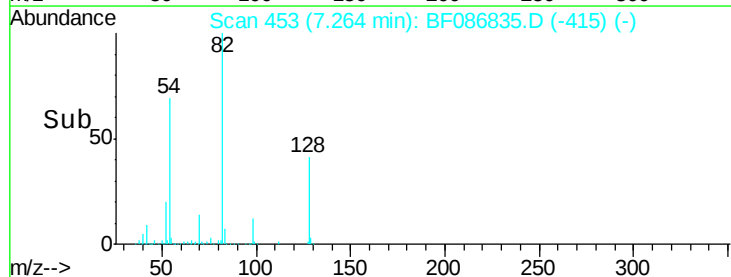


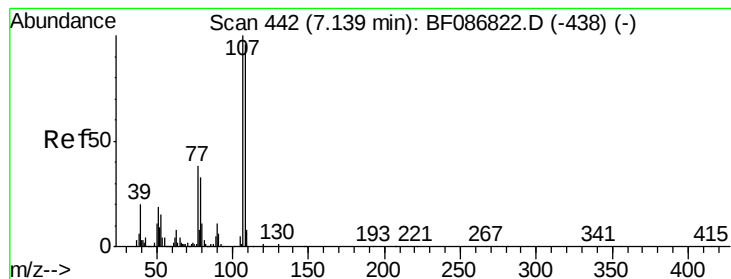
#19
n-Nitroso-di-n-propylamine
Concen: 20.98 ng
RT: 7.26 min Scan# 453
Delta R.T. 0.14 min
Lab File: BF086835.D
Acq: 9 May 2016 22:05

Tgt Ion: 70 Resp: 180068
Ion Ratio Lower Upper
70 100
42 66.2 43.1 64.7#
101 0.0 8.1 12.1#
130 1.8 18.6 28.0#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 0.06 ng

RT: 7.18 min Scan# 446

Delta R.T. 0.05 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

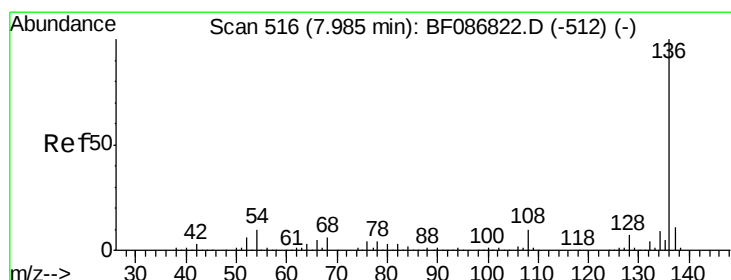
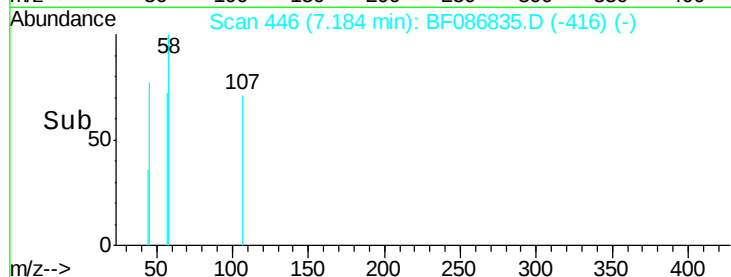
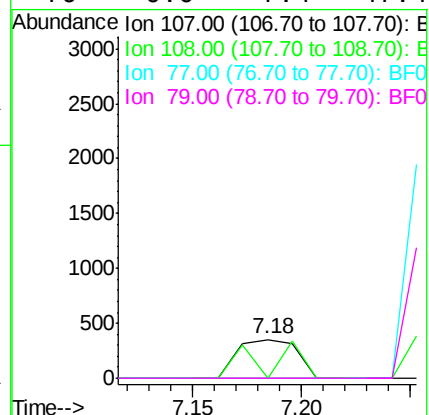
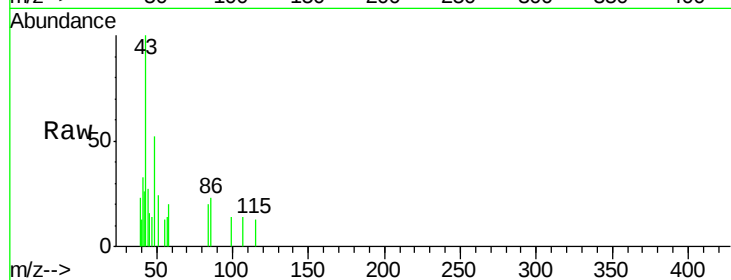
Instrument :

BNA_F

ClientSampleId :

TP1-6-9FT

Tgt Ion:	107	Resp:	677
Ion	Ratio	Lower	Upper
107	100		
108	0.0	68.5	108.5#
77	0.0	101.6	141.6#
79	0.0	7.4	47.4#



#21

Naphthalene-d8

Concen: 20.00 ng

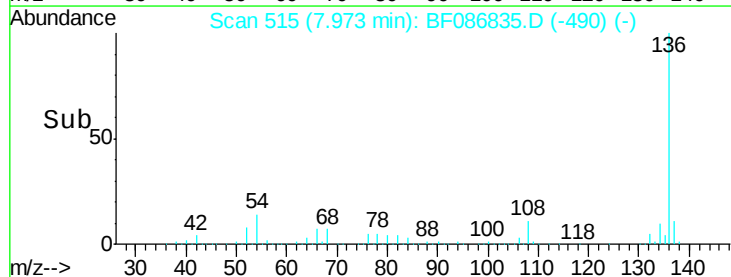
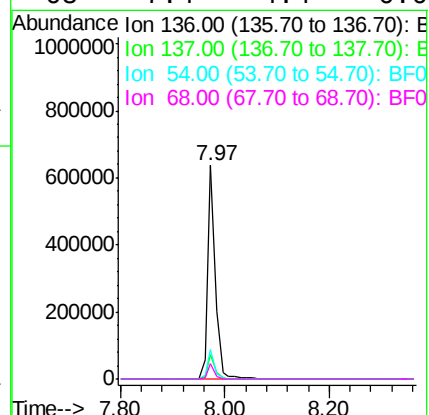
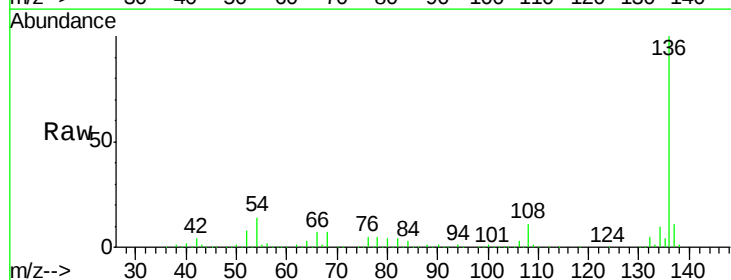
RT: 7.97 min Scan# 515

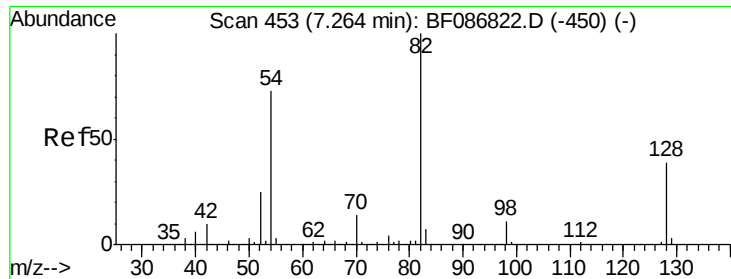
Delta R.T. -0.01 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

Tgt Ion:	136	Resp:	656375
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	13.8	5.0	7.4#
68	7.4	4.4	6.6#

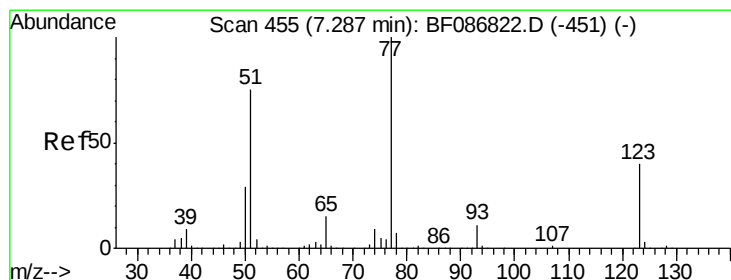
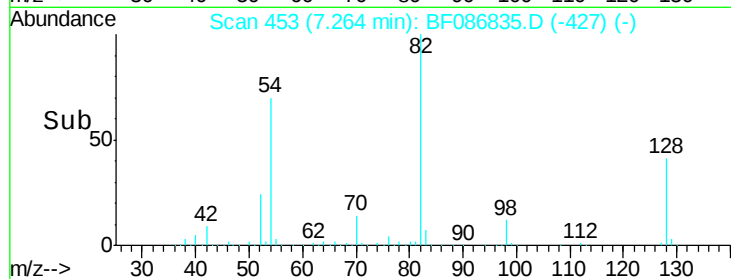
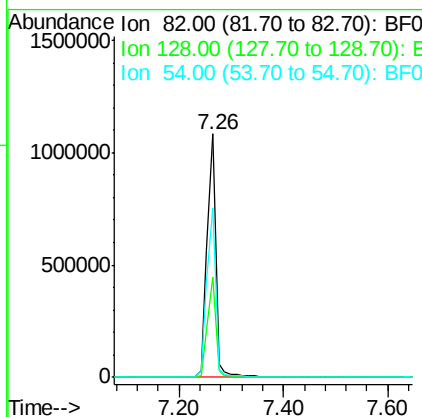
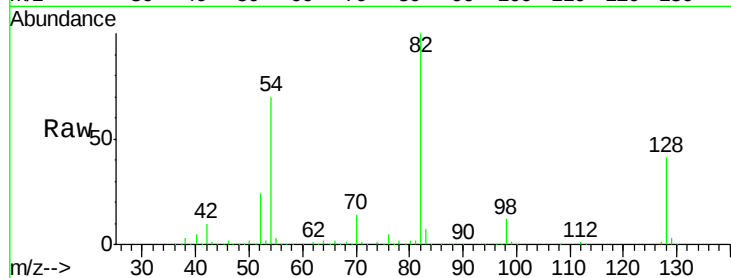




#23
 Nitrobenzene-d5
 Concen: 96.61 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: BF086835.D
 Acq: 9 May 2016 22:05

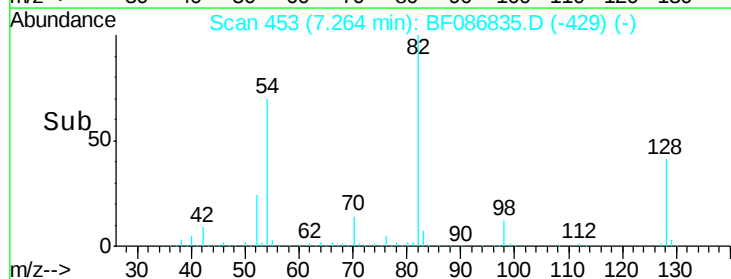
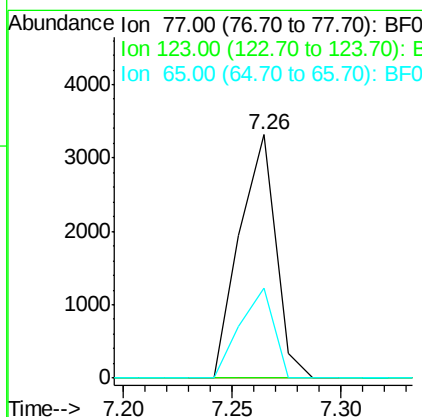
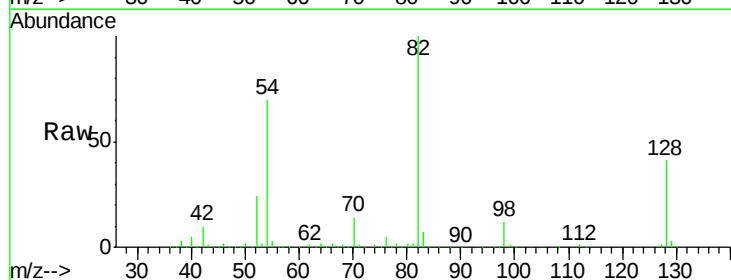
Instrument :
 BNA_F
 ClientSampled :
 TP1-6-9FT

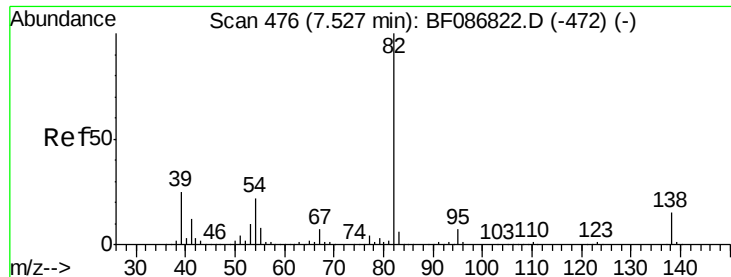
Tgt Ion: 82 Resp: 1262879
 Ion Ratio Lower Upper
 82 100
 128 41.2 40.6 61.0
 54 69.5 38.1 57.1#



#24
 Nitrobenzene
 Concen: 0.29 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.02 min
 Lab File: BF086835.D
 Acq: 9 May 2016 22:05

Tgt Ion: 77 Resp: 3845
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.4#
 65 37.1 10.8 16.2#





#25

Isophorone

Concen: 50.55 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.26 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

Instrument :

BNA_F

ClientSampleId :

TP1-6-9FT

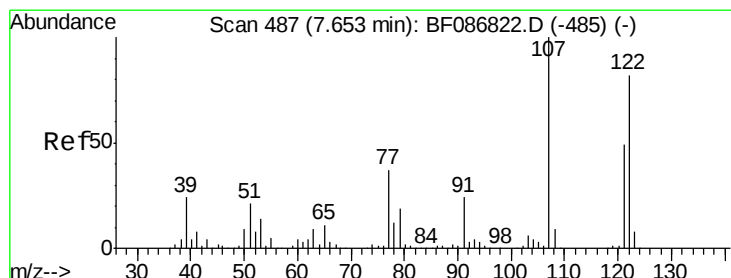
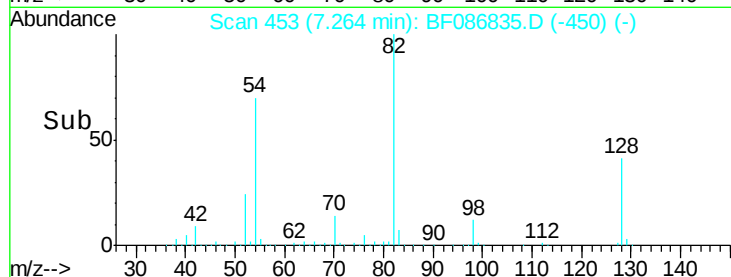
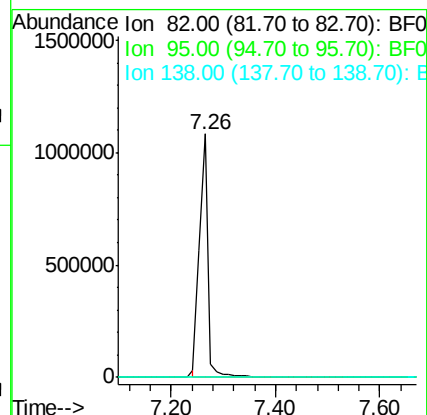
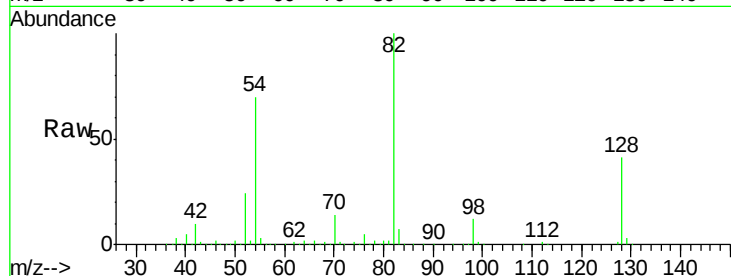
Tgt Ion: 82 Resp: 1226045

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



#27

2,4-Dimethylphenol

Concen: 0.07 ng

RT: 7.79 min Scan# 499

Delta R.T. 0.14 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

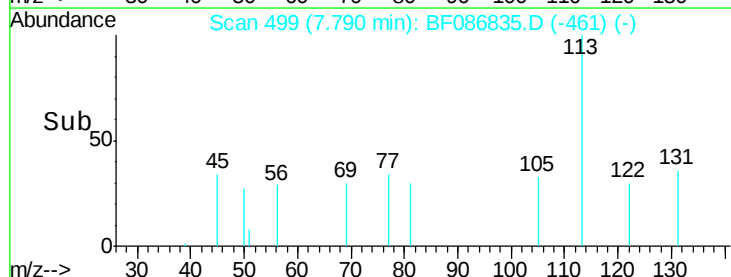
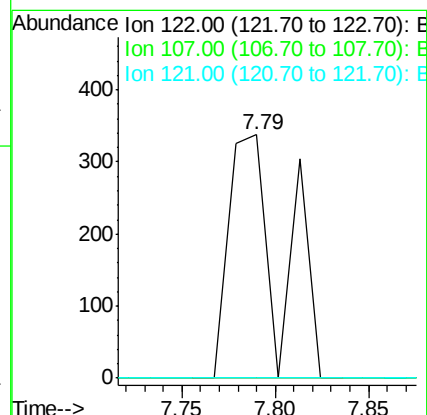
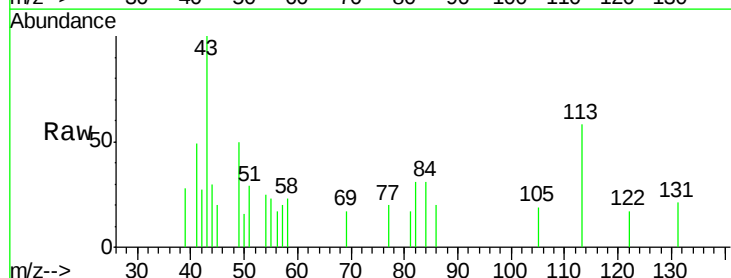
Tgt Ion: 122 Resp: 665

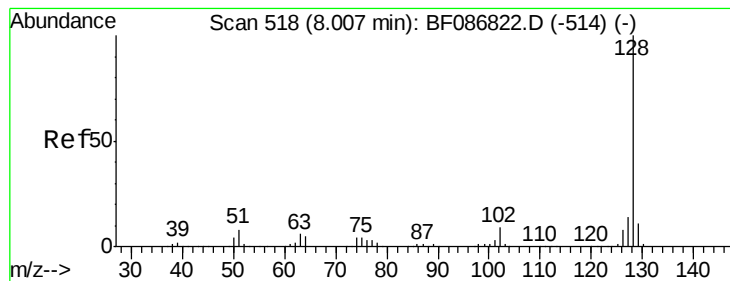
Ion Ratio Lower Upper

122 100

107 0.0 82.0 123.0#

121 0.0 46.1 69.1#





#31

Naphthalene

Concen: 0.14 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.01 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

Instrument :

BNA_F

ClientSampleId :

TP1-6-9FT

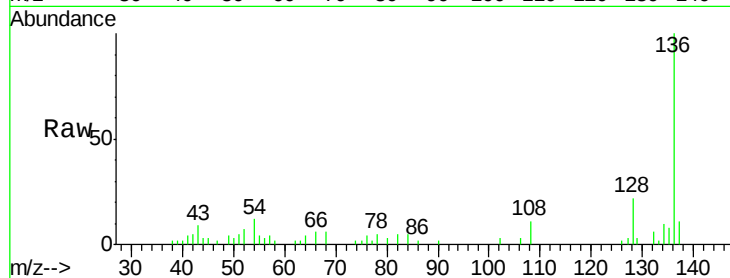
Tgt Ion:128 Resp: 4463

Ion Ratio Lower Upper

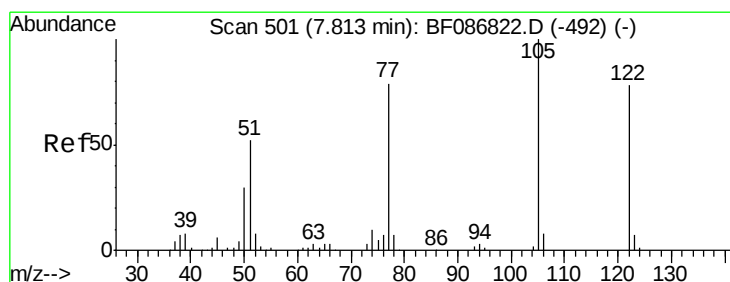
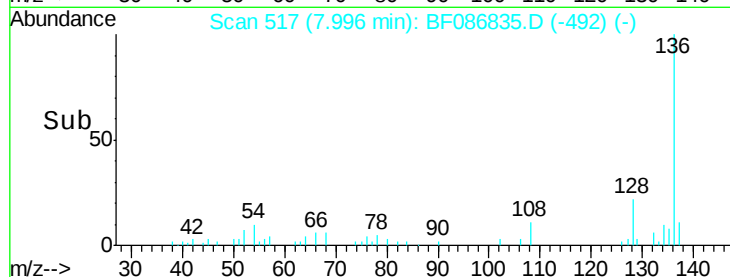
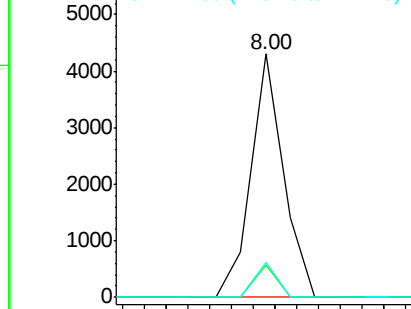
128 100

129 13.3 8.6 13.0#

127 14.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 0.11 ng

RT: 7.79 min Scan# 499

Delta R.T. -0.02 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

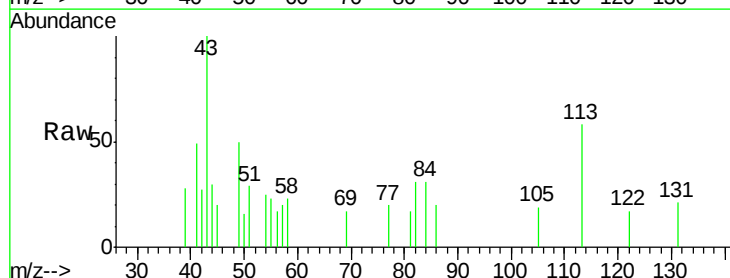
Tgt Ion:122 Resp: 665

Ion Ratio Lower Upper

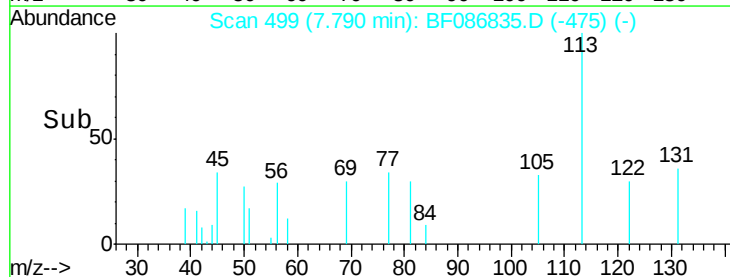
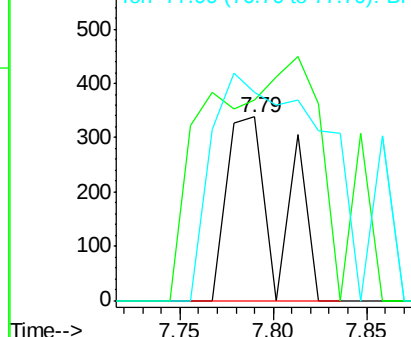
122 100

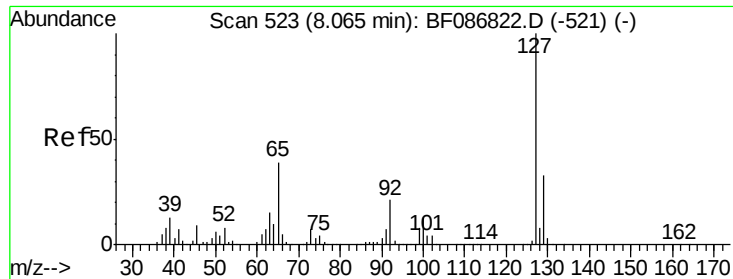
105 109.5 92.6 132.6

77 113.6 60.0 100.0#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

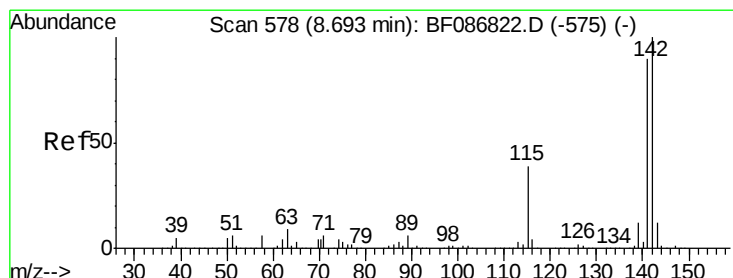
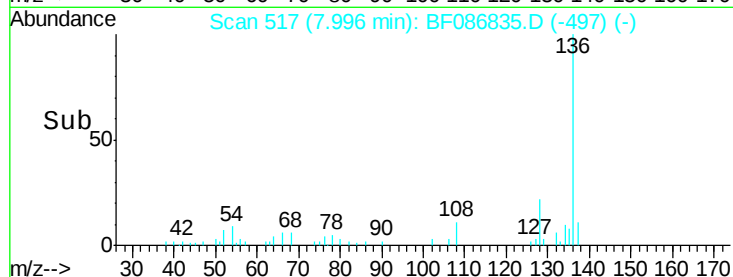
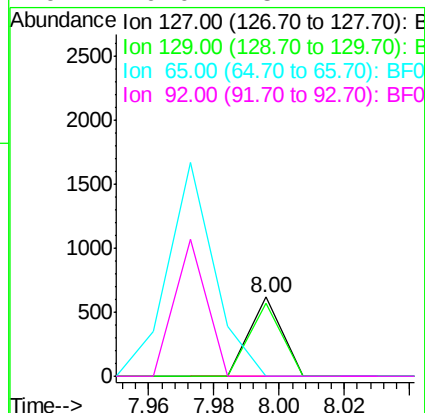
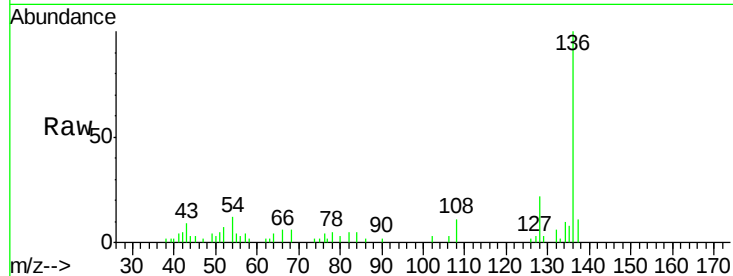




#33
4-Chloroaniline
Concen: 0.03 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.07 min
Lab File: BF086835.D
Acq: 9 May 2016 22:05

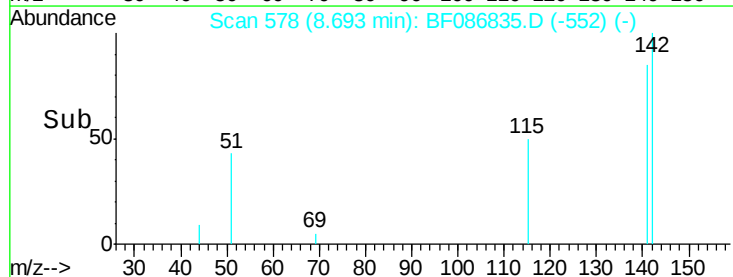
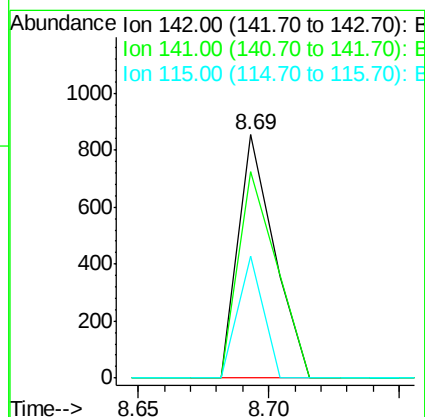
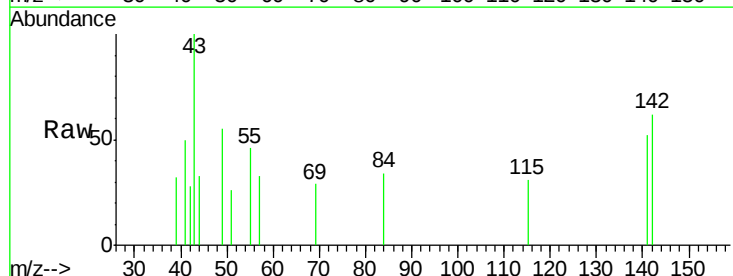
Instrument :
BNA_F
ClientSampleId :
TP1-6-9FT

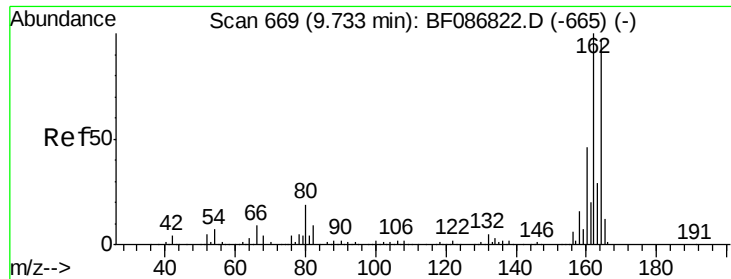
Tgt Ion:	127	Resp:	423
Ion	Ratio	Lower	Upper
127	100		
129	92.7	26.2	39.4#
65	0.0	23.0	34.4#
92	0.0	15.1	22.7#



#37
2-Methylnaphthalene
Concen: 0.04 ng
RT: 8.69 min Scan# 578
Delta R.T. -0.00 min
Lab File: BF086835.D
Acq: 9 May 2016 22:05

Tgt Ion:	142	Resp:	830
Ion	Ratio	Lower	Upper
142	100		
141	85.0	71.0	106.6
115	50.3	26.6	39.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

Instrument :

BNA_F

ClientSampleId :

TP1-6-9FT

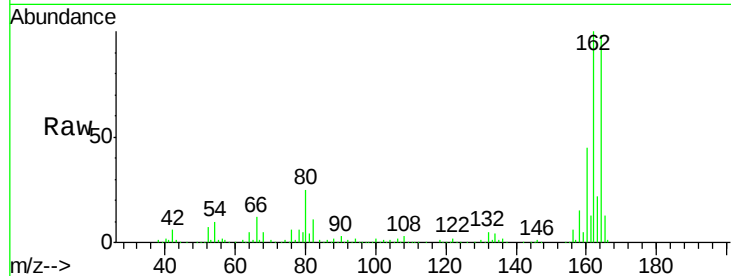
Tgt Ion:164 Resp: 326295

Ion Ratio Lower Upper

164 100

162 101.9 82.8 124.2

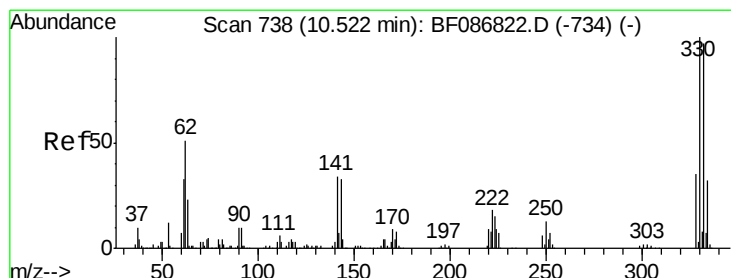
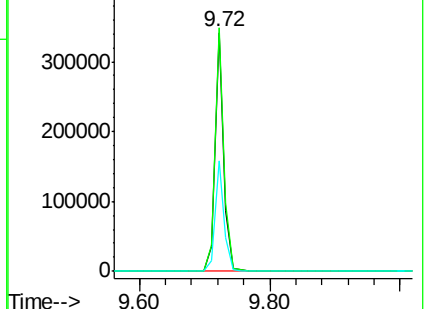
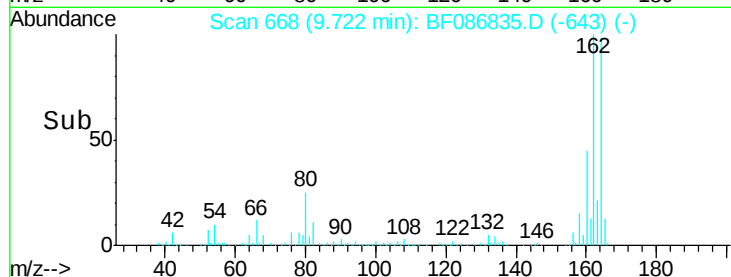
160 46.1 36.9 55.3



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: 153.60 ng

RT: 10.52 min Scan# 738

Delta R.T. -0.00 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

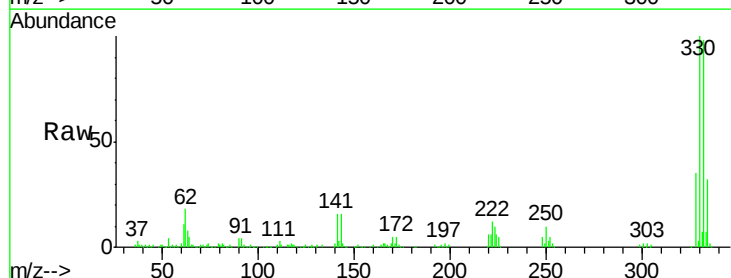
Tgt Ion:330 Resp: 530595

Ion Ratio Lower Upper

330 100

332 97.0 79.0 118.4

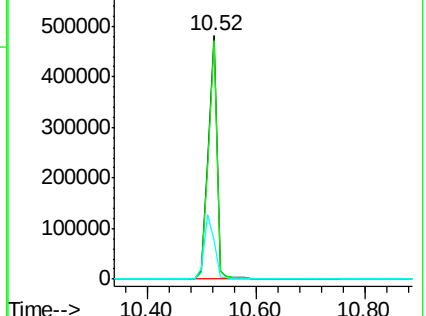
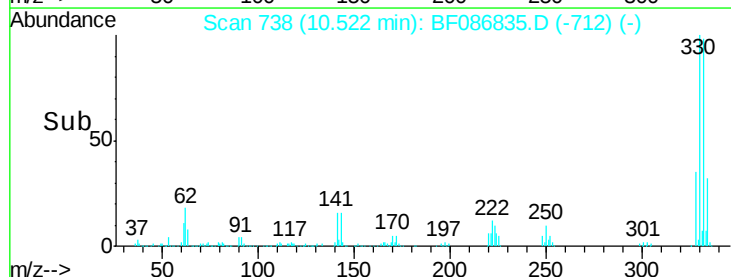
141 30.8 31.2 46.8#

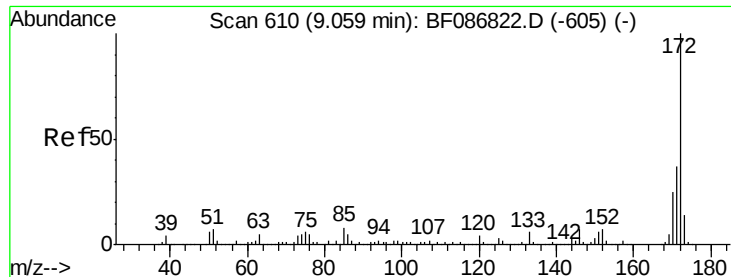


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

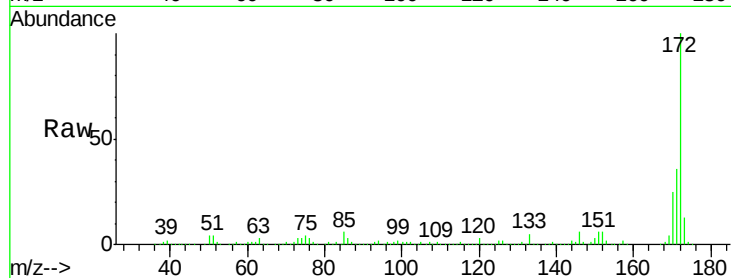




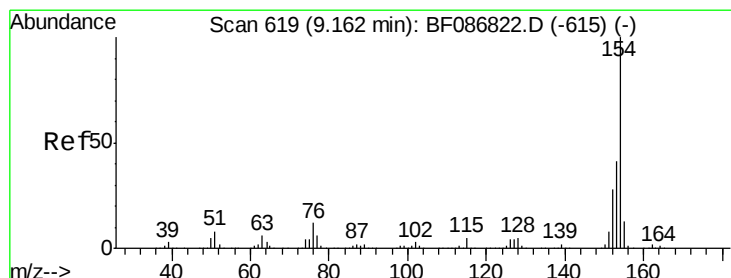
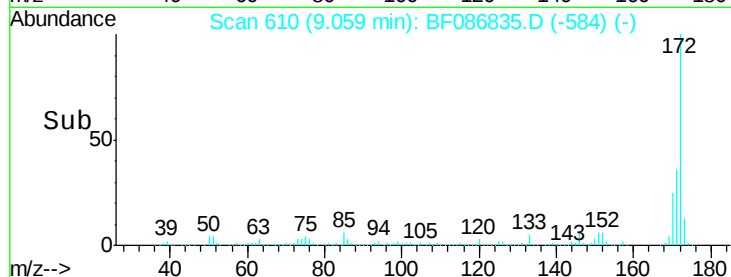
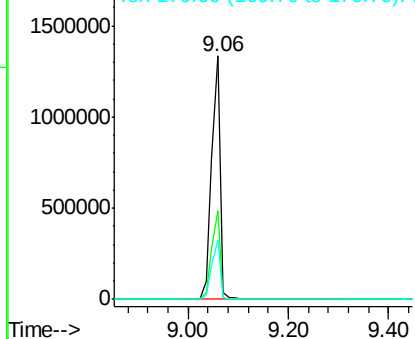
#44
 2-Fluorobiphenyl
 Concen: 81.35 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: BF086835.D
 Acq: 9 May 2016 22:05

Instrument :
 BNA_F
 ClientSampleId :
 TP1-6-9FT

Tgt Ion:172 Resp: 1579366
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.6 19.8 29.8

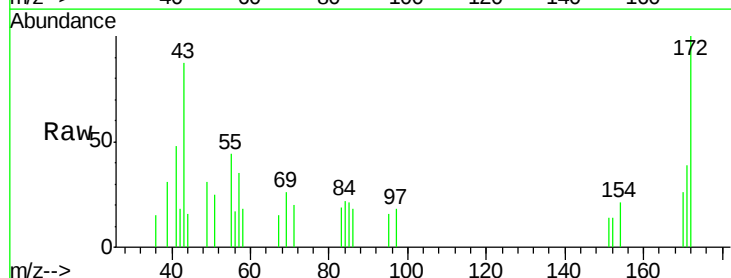


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

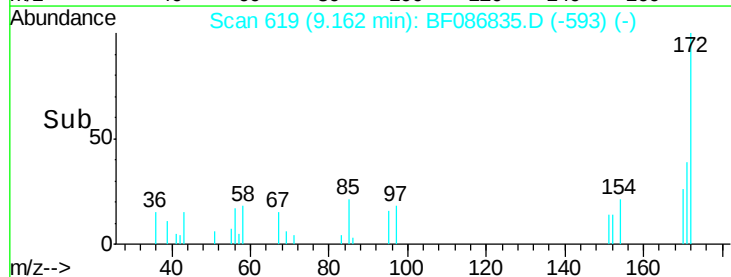
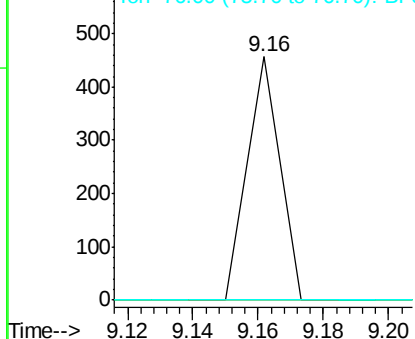


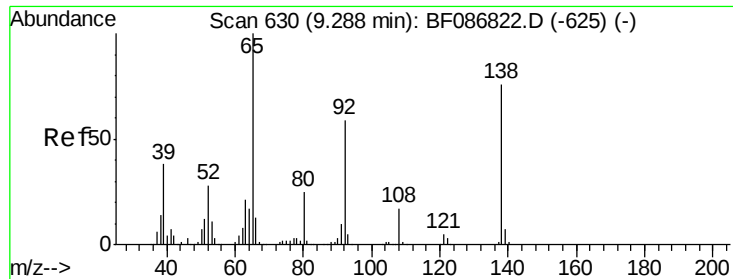
#45
 1,1'-Biphenyl
 Concen: 0.01 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: BF086835.D
 Acq: 9 May 2016 22:05

Tgt Ion:154 Resp: 313
 Ion Ratio Lower Upper
 154 100
 153 0.0 20.3 60.3#
 76 0.0 0.0 30.2



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

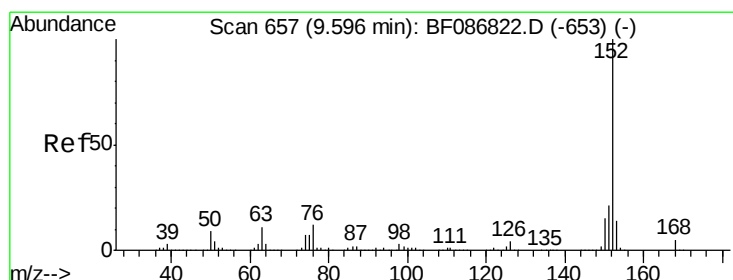
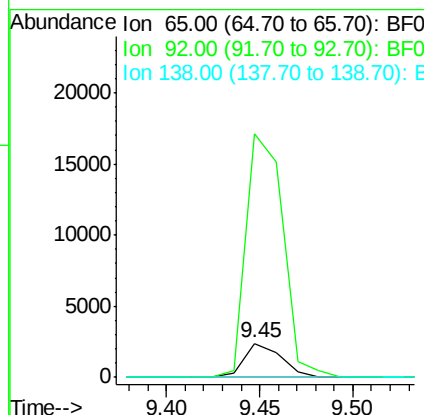
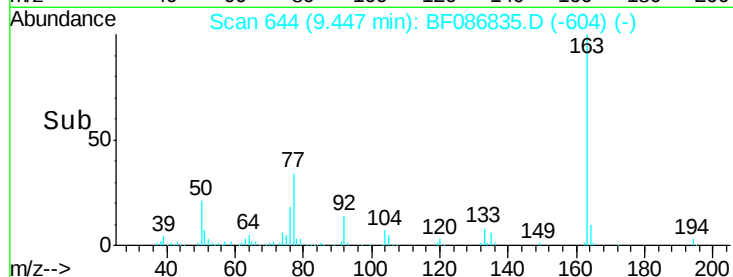
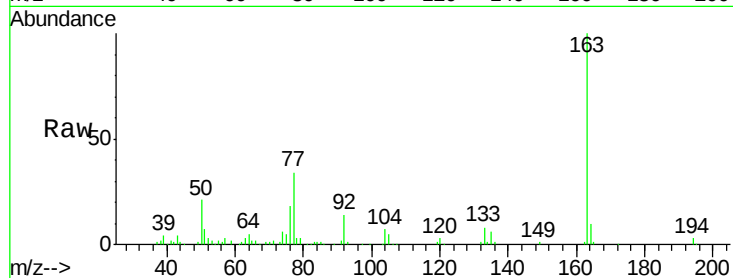




#47
 2-Nitroaniline
 Concen: 0.45 ng
 RT: 9.45 min Scan# 644
 Delta R.T. 0.16 min
 Lab File: BF086835.D
 Acq: 9 May 2016 22:05

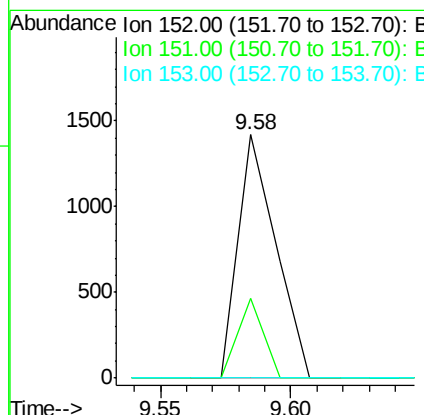
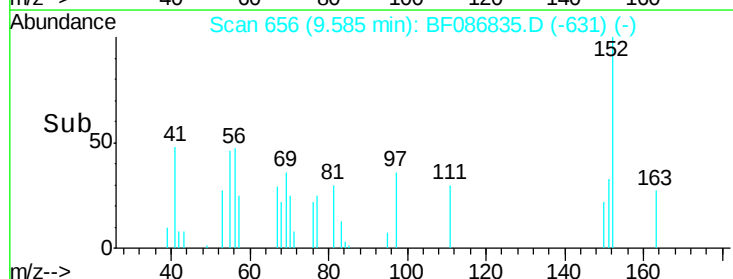
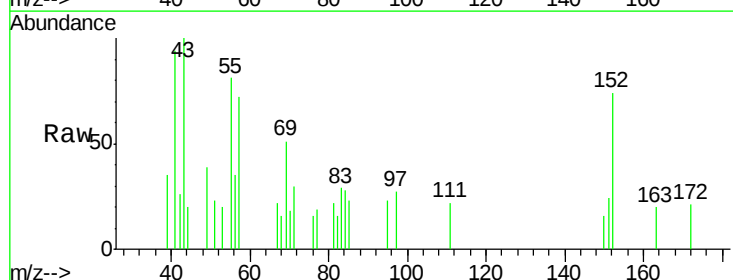
Instrument :
 BNA_F
 ClientSampleId :
 TP1-6-9FT

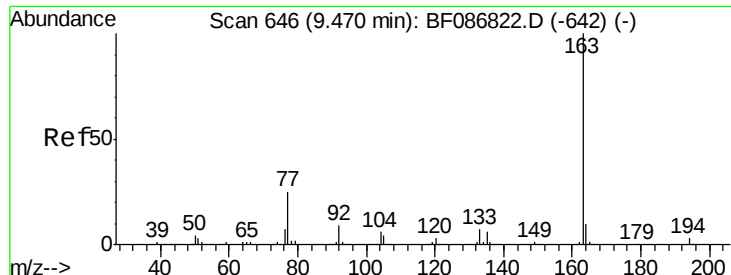
Tgt Ion: 65 Resp: 3316
 Ion Ratio Lower Upper
 65 100
 92 712.1 57.4 86.2#
 138 0.0 90.1 135.1#



#48
 Acenaphthylene
 Concen: 0.05 ng
 RT: 9.58 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: BF086835.D
 Acq: 9 May 2016 22:05

Tgt Ion: 152 Resp: 1442
 Ion Ratio Lower Upper
 152 100
 151 32.7 16.8 25.2#
 153 0.0 10.9 16.3#





#49

Dimethylphthalate

Concen: 9.88 ng

RT: 9.46 min Scan# 645

Delta R.T. -0.01 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

Instrument :

BNA_F

ClientSampleId :

TP1-6-9FT

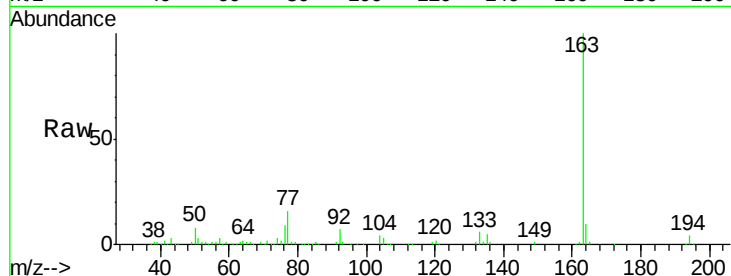
Tgt Ion:163 Resp: 246009

Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

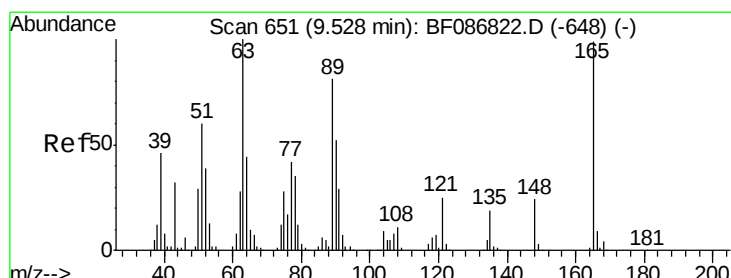
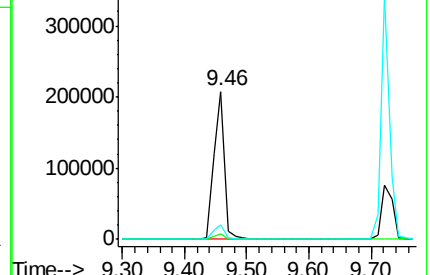
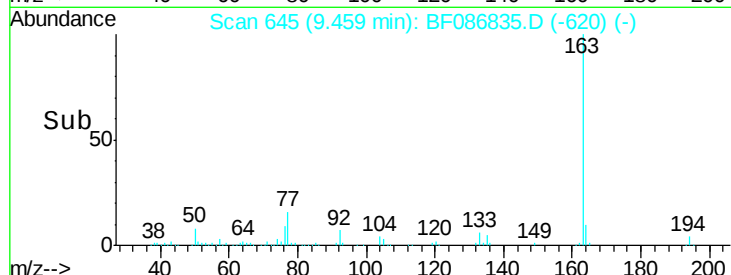
164 9.8 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 0.48 ng

RT: 9.46 min Scan# 645

Delta R.T. -0.07 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

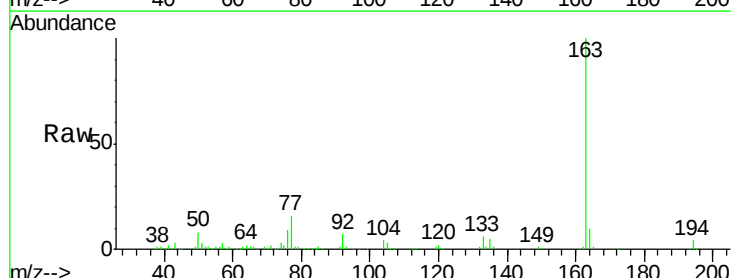
Tgt Ion:165 Resp: 2491

Ion Ratio Lower Upper

165 100

63 136.2 51.8 77.8#

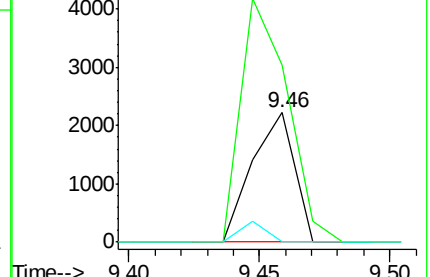
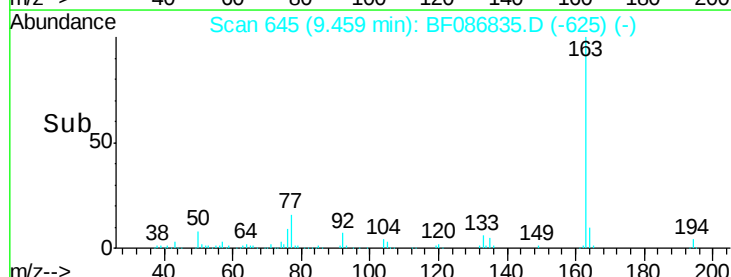
89 0.0 50.7 76.1#

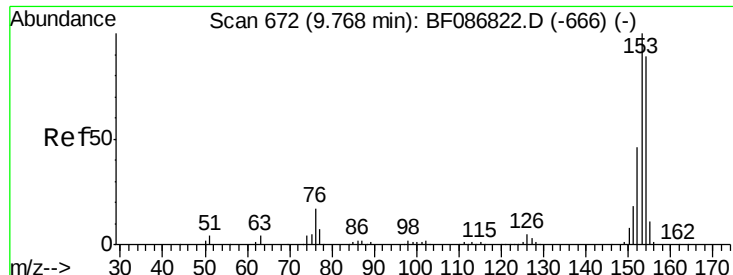


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.04 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

Instrument :

BNA_F

ClientSampleId :

TP1-6-9FT

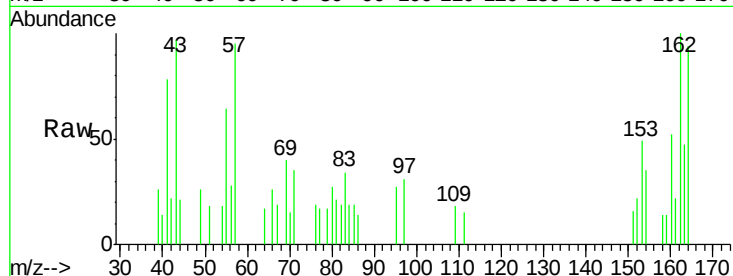
Tgt Ion:154 Resp: 791

Ion Ratio Lower Upper

154 100

153 139.1 89.8 134.6#

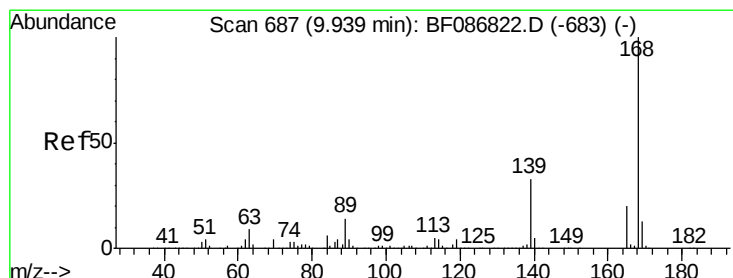
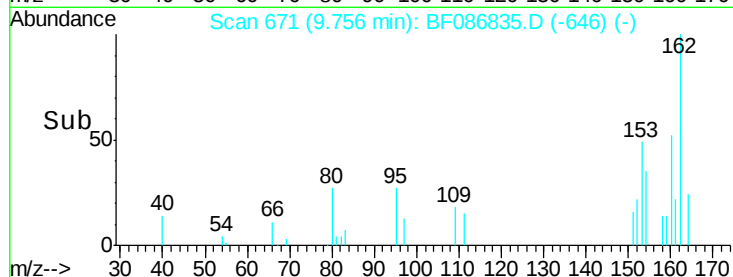
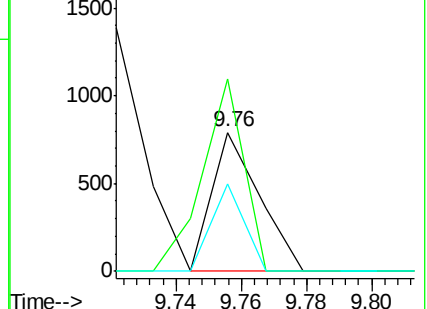
152 63.2 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 0.06 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.00 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

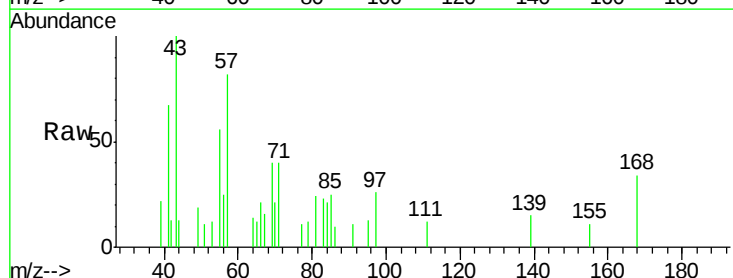
Tgt Ion:168 Resp: 1398

Ion Ratio Lower Upper

168 100

139 44.4 31.4 47.0

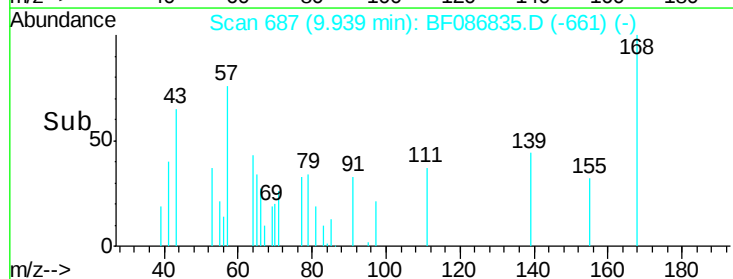
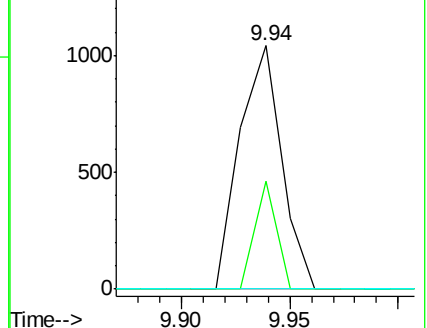
169 0.0 10.7 16.1#

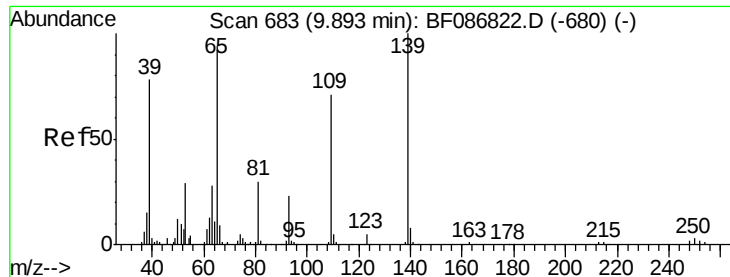


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 4.64 ng

RT: 9.94 min Scan# 687

Delta R.T. 0.05 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

Instrument :

BNA_F

ClientSampleId :

TP1-6-9FT

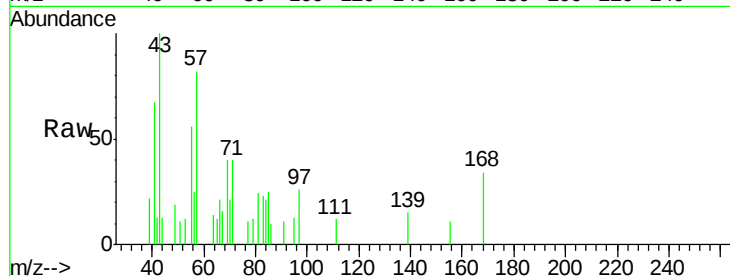
Tgt Ion:139 Resp: 318

Ion Ratio Lower Upper

139 100

109 0.0 36.9 76.9#

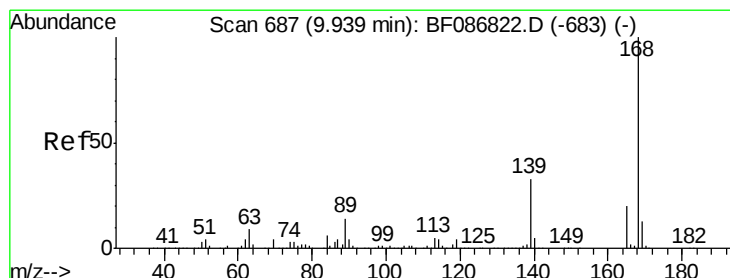
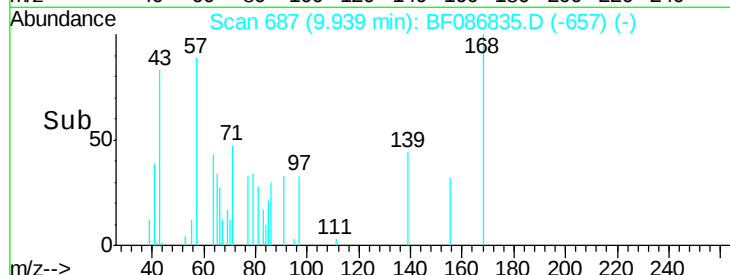
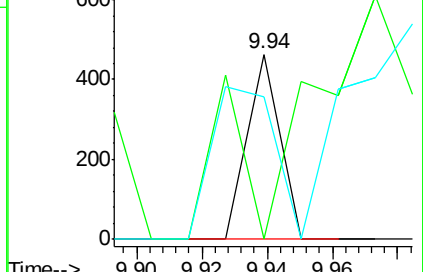
65 77.3 64.0 104.0



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: 6.62 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.22 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

Tgt Ion:165 Resp: 42912

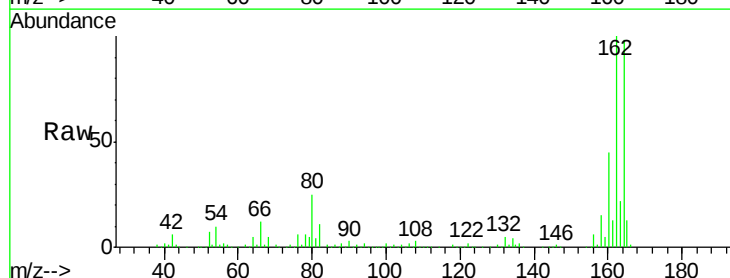
Ion Ratio Lower Upper

165 100

63 2.0 44.3 66.5#

89 1.6 70.0 105.0#

182 0.0 1.8 2.6#

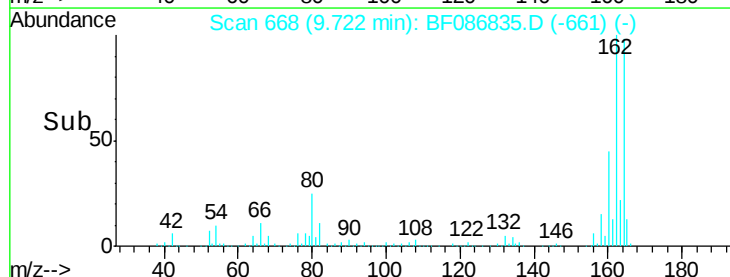
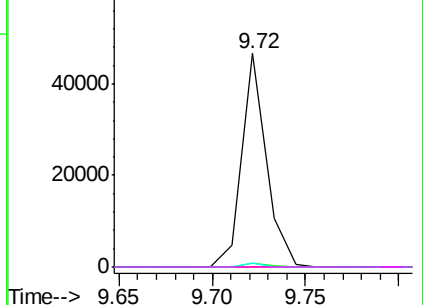


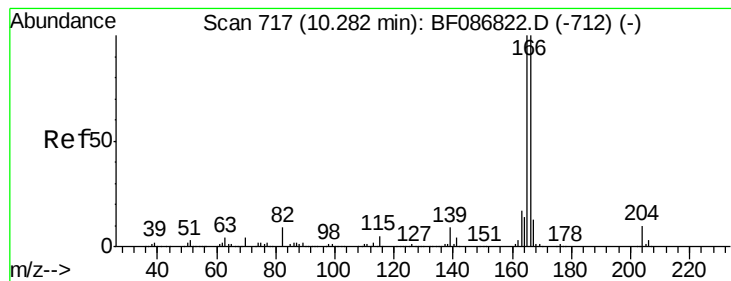
Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.06 ng

RT: 10.27 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

Instrument :

BNA_F

ClientSampleId :

TP1-6-9FT

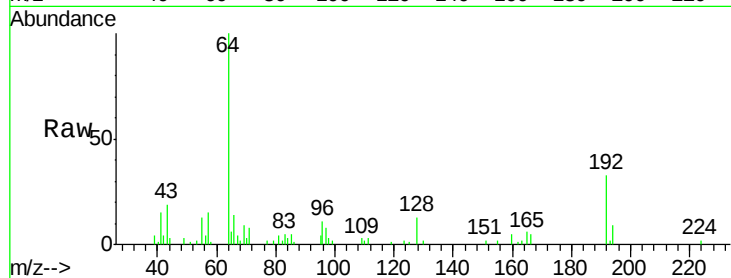
Tgt Ion:166 Resp: 1206

Ion Ratio Lower Upper

166 100

165 121.1 79.0 118.6#

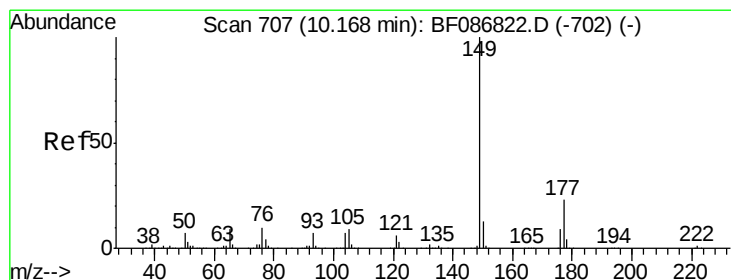
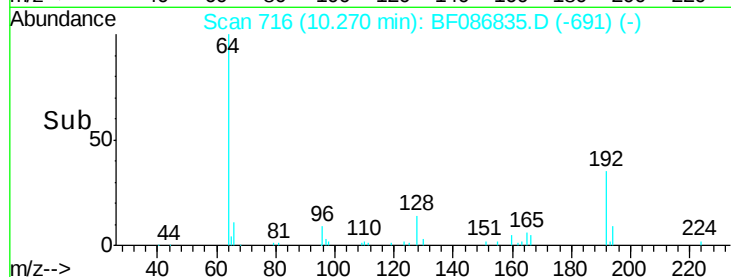
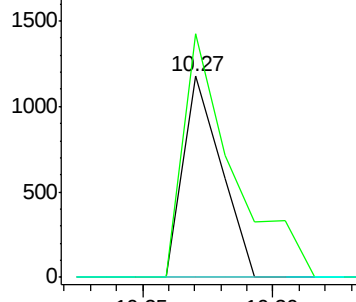
167 0.0 10.6 15.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 0.11 ng

RT: 10.16 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

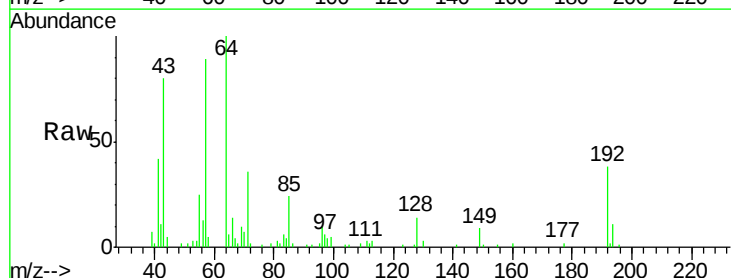
Tgt Ion:149 Resp: 2552

Ion Ratio Lower Upper

149 100

177 25.2 16.6 24.8#

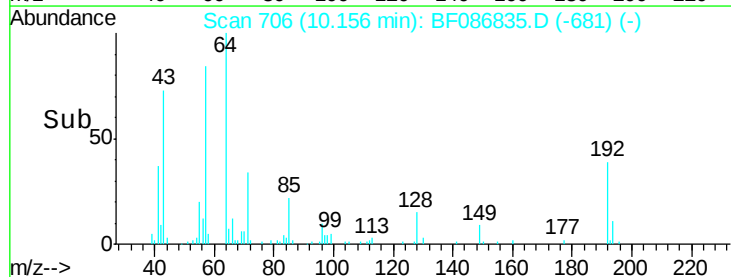
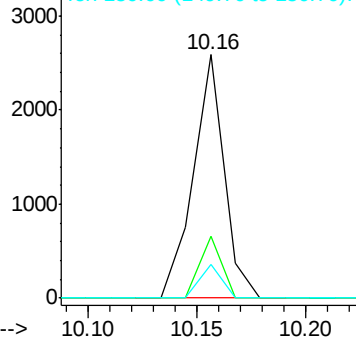
150 14.0 10.0 15.0

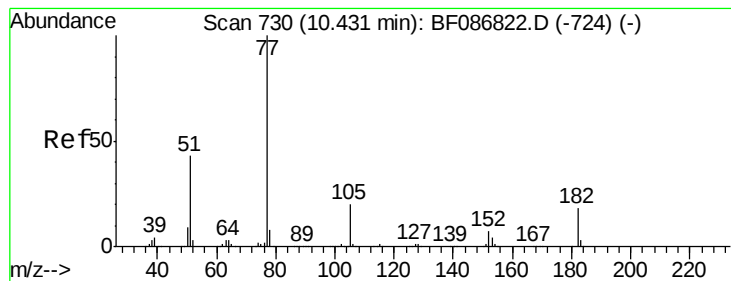


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.06 ng

RT: 10.40 min Scan# 727

Delta R.T. -0.03 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

Instrument :

BNA_F

ClientSampleId :

TP1-6-9FT

Tgt Ion: 77 Resp: 1502

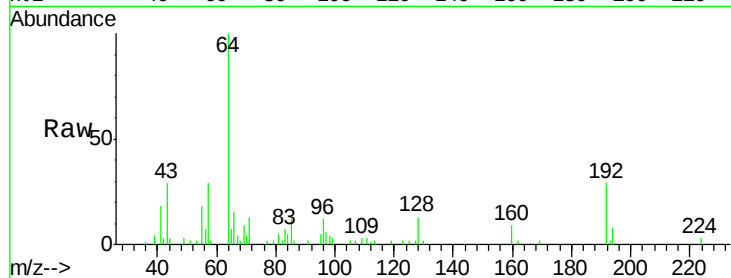
Ion Ratio Lower Upper

77 100

182 0.0 0.0 38.8

105 75.4 3.2 43.2#

51 91.1 8.8 48.8#



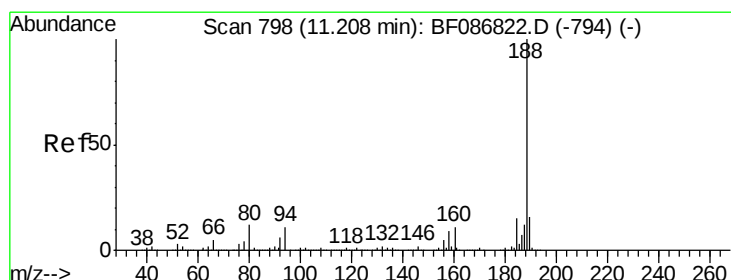
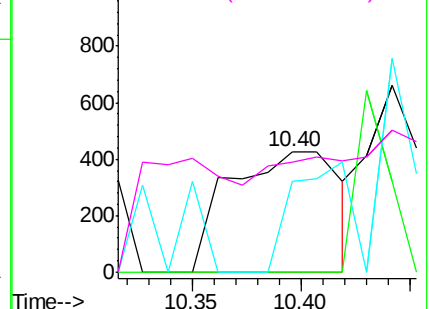
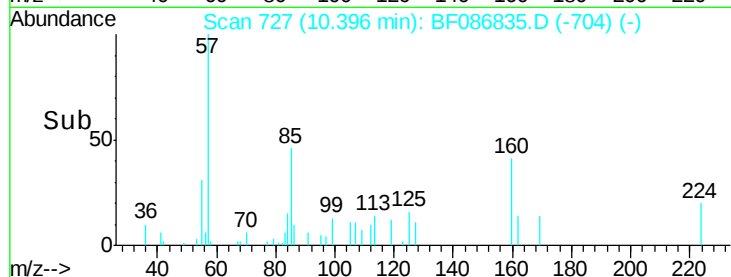
Abundance

Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 798

Delta R.T. -0.00 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

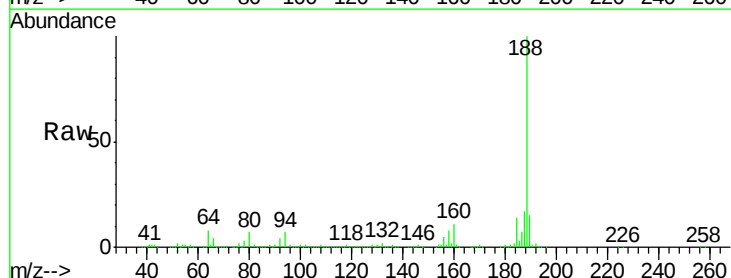
Tgt Ion: 188 Resp: 649900

Ion Ratio Lower Upper

188 100

94 7.1 6.8 10.2

80 7.3 7.1 10.7

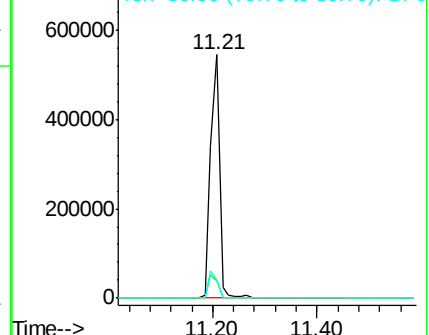
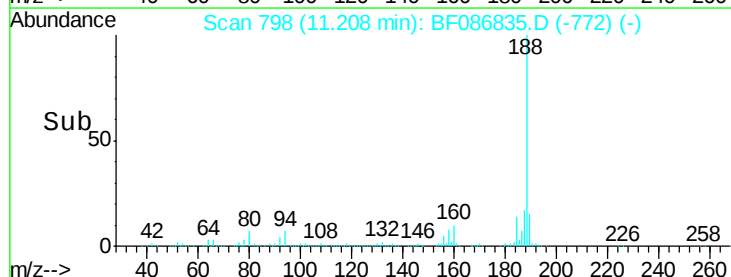


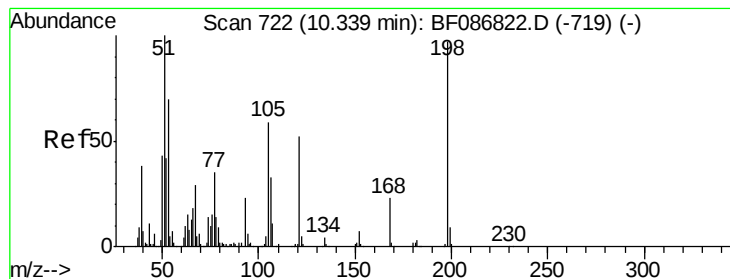
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 0.31 ng

RT: 10.51 min Scan# 737

Delta R.T. 0.17 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

Instrument :

BNA_F

ClientSampleId :

TP1-6-9FT

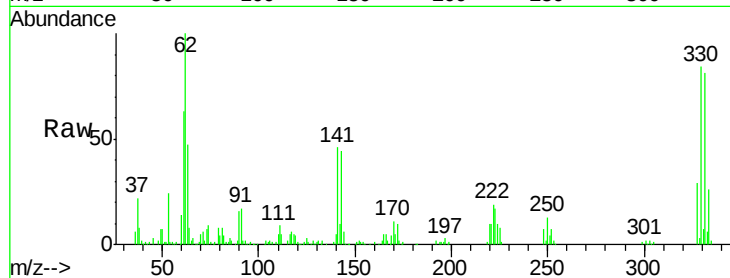
Tgt Ion:198 Resp: 1239

Ion Ratio Lower Upper

198 100

51 311.9 20.5 60.5#

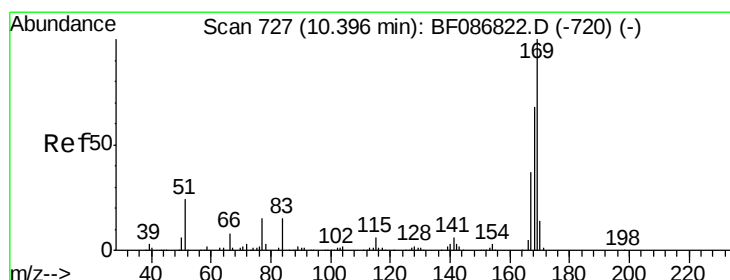
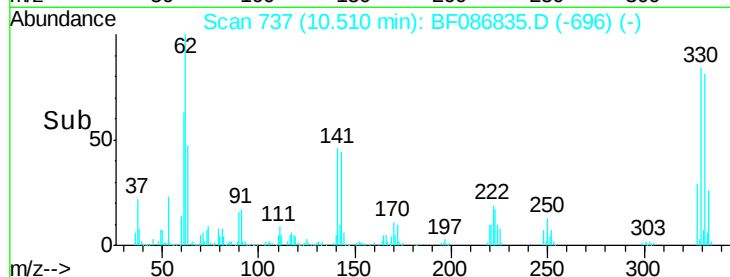
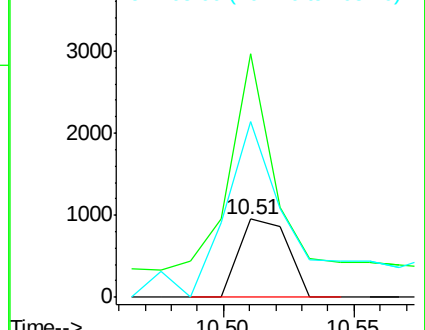
105 225.3 24.5 64.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 0.04 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

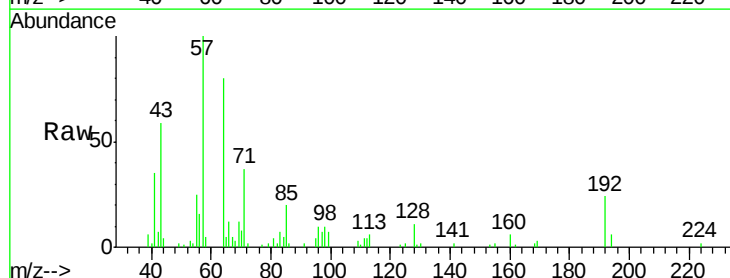
Tgt Ion:169 Resp: 795

Ion Ratio Lower Upper

169 100

168 66.3 53.8 80.6

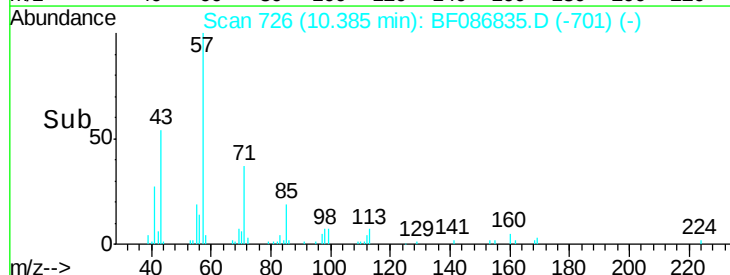
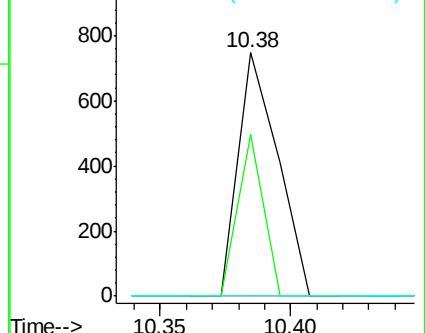
167 0.0 29.5 44.3#

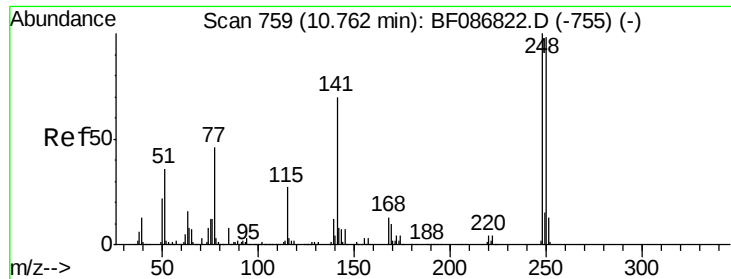


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

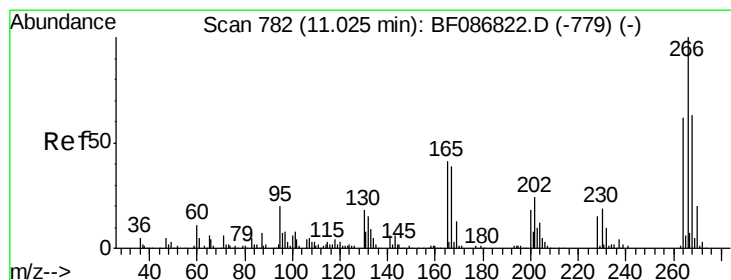
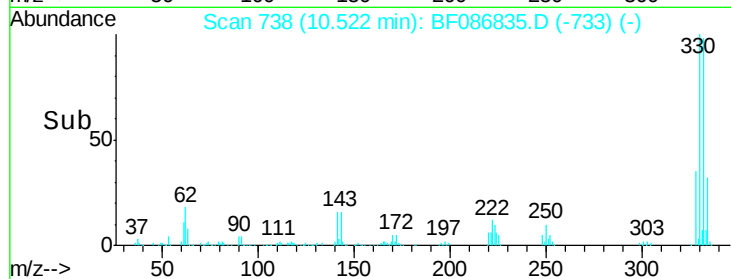
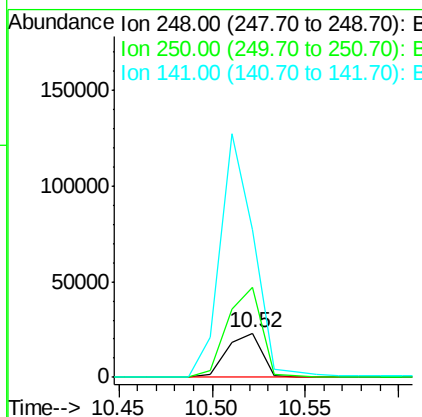
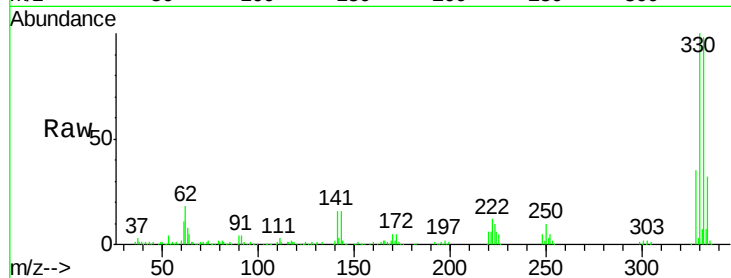




#66
4-Bromophenyl-phenylether
Concen: 4.67 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.24 min
Lab File: BF086835.D
Acq: 9 May 2016 22:05

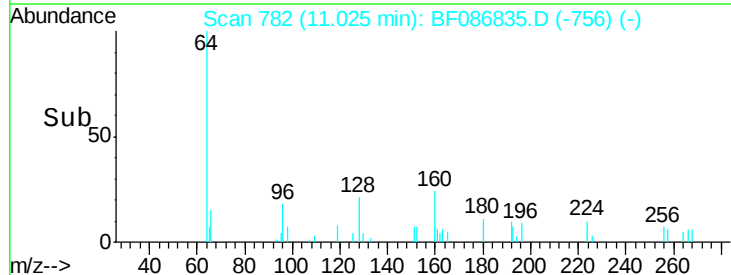
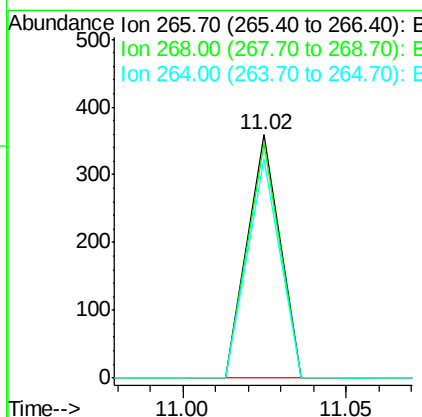
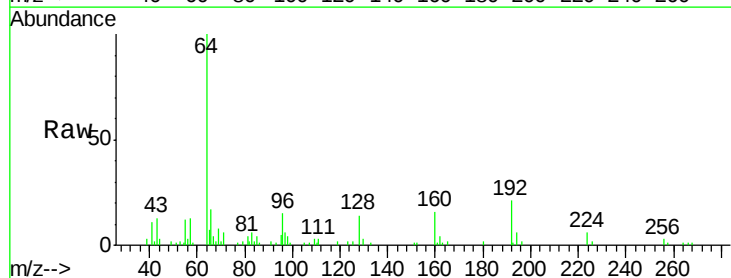
Instrument :
BNA_F
ClientSampleId :
TP1-6-9FT

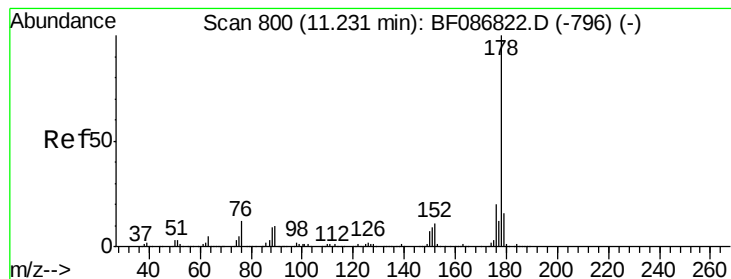
Tgt Ion:248 Resp: 30760
Ion Ratio Lower Upper
248 100
250 201.3 78.6 117.8#
141 333.3 76.0 114.0#



#69
Pentachlorophenol
Concen: 0.07 ng
RT: 11.02 min Scan# 782
Delta R.T. -0.00 min
Lab File: BF086835.D
Acq: 9 May 2016 22:05

Tgt Ion:266 Resp: 246
Ion Ratio Lower Upper
266 100
268 96.7 51.5 77.3#
264 90.0 52.9 79.3#





#70

Phenanthrene

Concen: 0.52 ng

RT: 11.23 min Scan# 800

Delta R.T. -0.00 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

Instrument :

BNA_F

ClientSampleId :

TP1-6-9FT

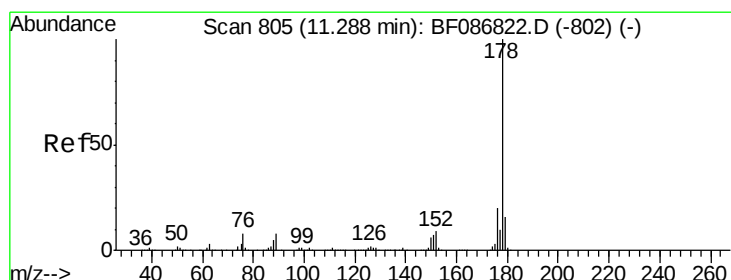
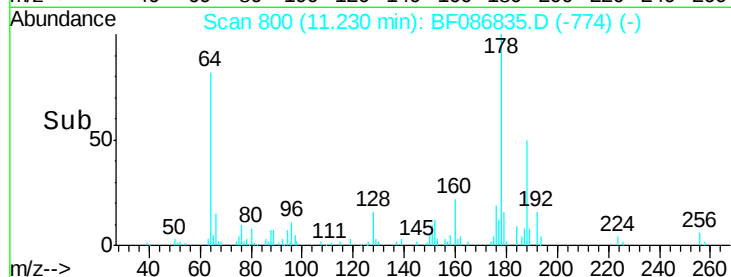
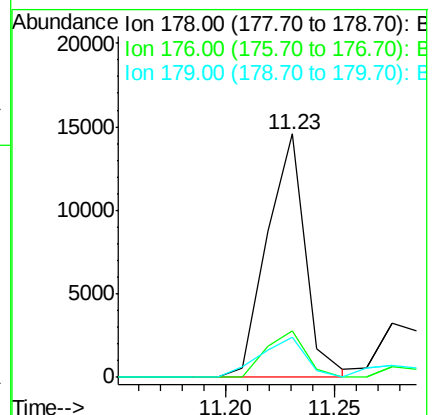
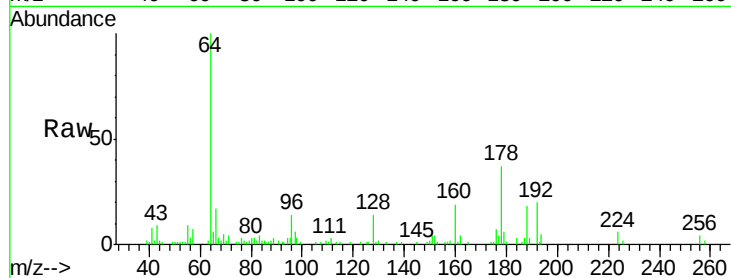
Tgt Ion:178 Resp: 17910

Ion Ratio Lower Upper

178 100

176 19.3 16.0 24.0

179 16.3 12.6 18.8



#71

Anthracene

Concen: 0.50 ng

RT: 11.23 min Scan# 800

Delta R.T. -0.06 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

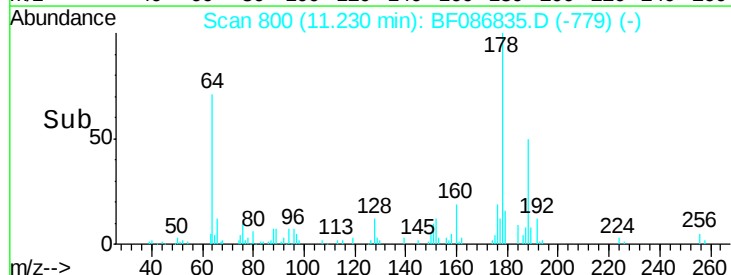
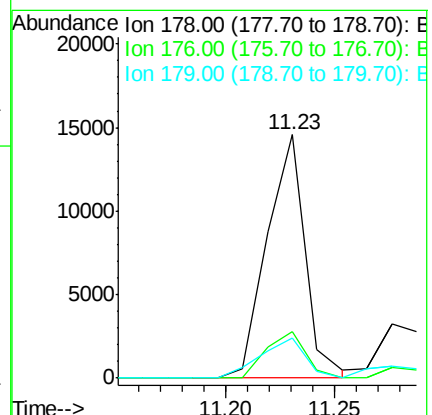
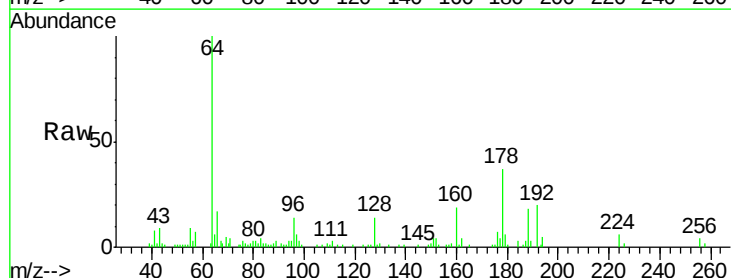
Tgt Ion:178 Resp: 17910

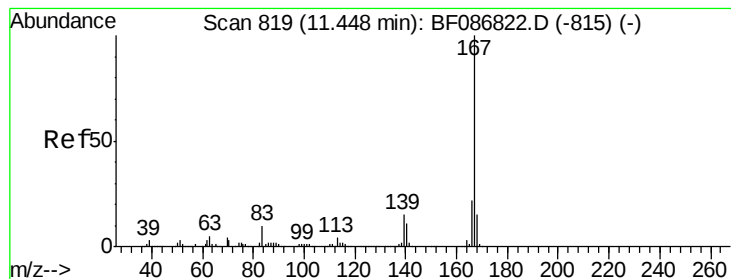
Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

179 16.3 12.7 19.1





#72

Carbazole

Concen: 0.07 ng

RT: 11.46 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

Instrument :

BNA_F

ClientSampleId :

TP1-6-9FT

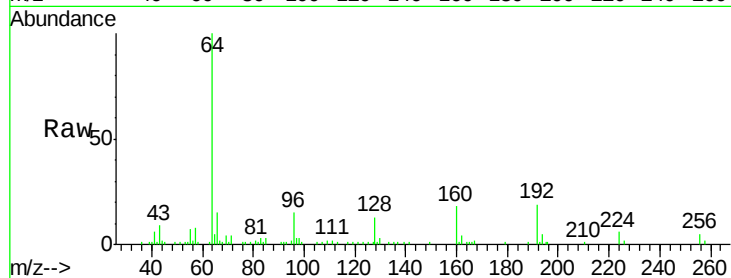
Tgt Ion:167 Resp: 2018

Ion Ratio Lower Upper

167 100

166 37.6 17.7 26.5#

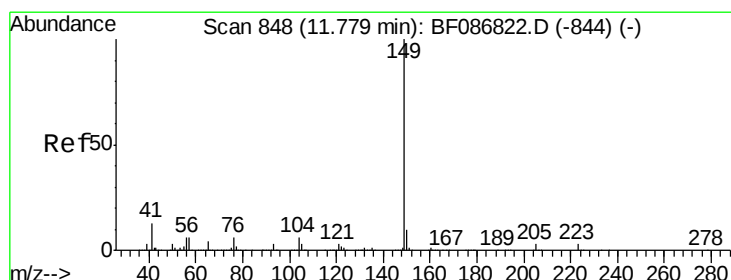
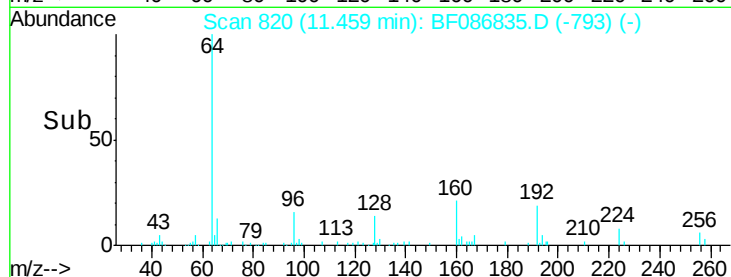
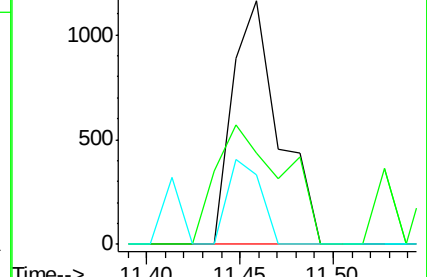
139 28.3 10.8 16.2#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 0.15 ng

RT: 11.78 min Scan# 848

Delta R.T. -0.00 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

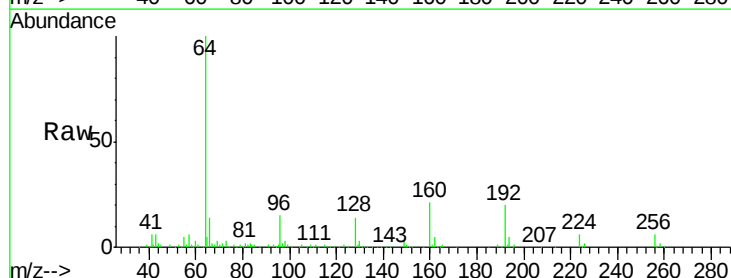
Tgt Ion:149 Resp: 5536

Ion Ratio Lower Upper

149 100

150 14.9 7.6 11.4#

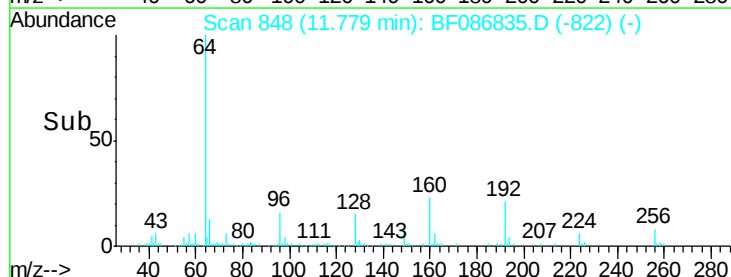
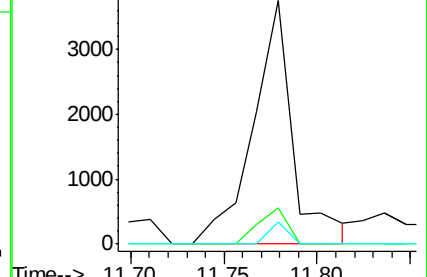
104 9.0 3.8 5.6#

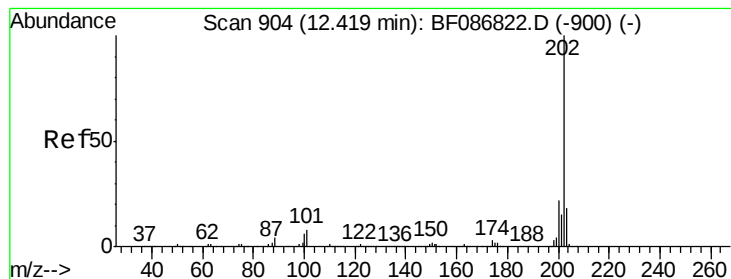


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 0.98 ng

RT: 12.42 min Scan# 904

Delta R.T. -0.00 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

Instrument :

BNA_F

ClientSampleId :

TP1-6-9FT

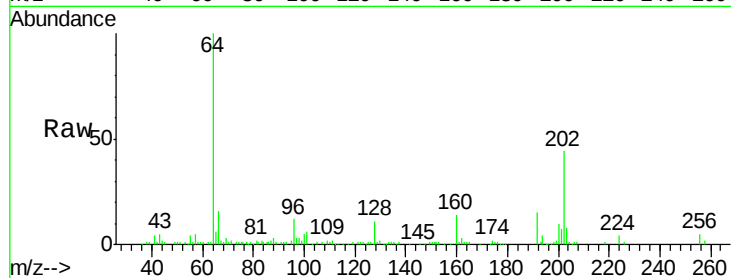
Tgt Ion:202 Resp: 35132

Ion Ratio Lower Upper

202 100

101 13.9 0.0 35.4

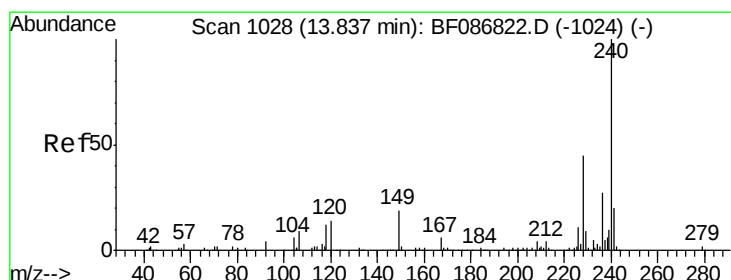
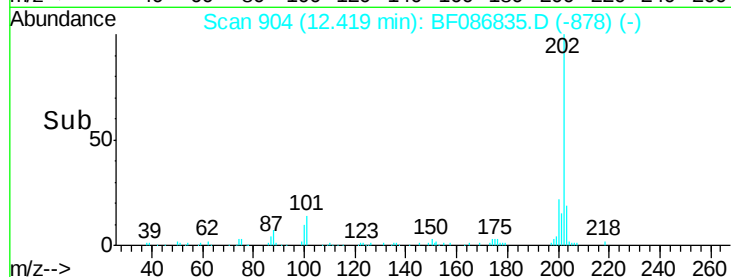
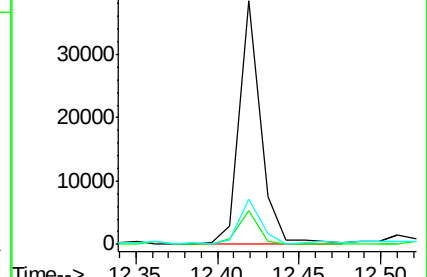
203 18.6 0.0 38.1



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: 13.82 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF086835.D

Acq: 9 May 2016 22:05

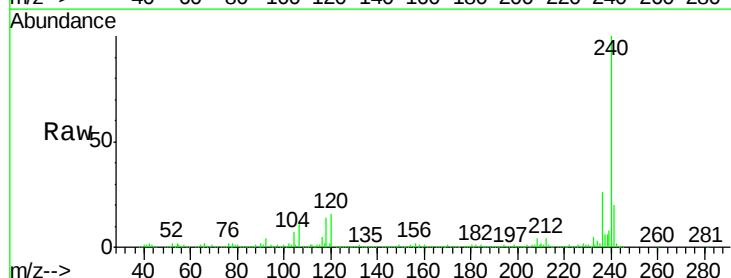
Tgt Ion:240 Resp: 503336

Ion Ratio Lower Upper

240 100

120 15.8 11.2 16.8

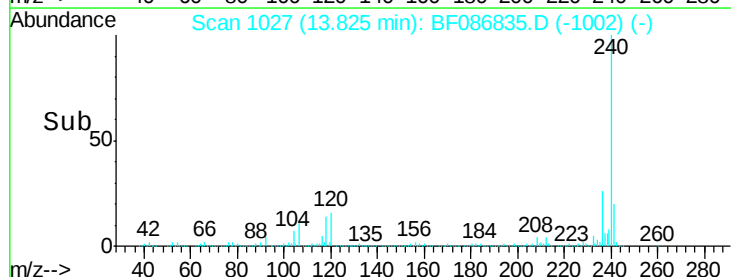
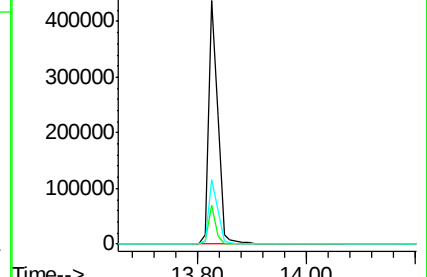
236 26.4 21.2 31.8

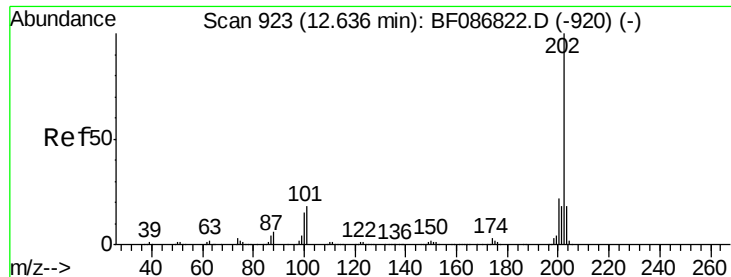


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

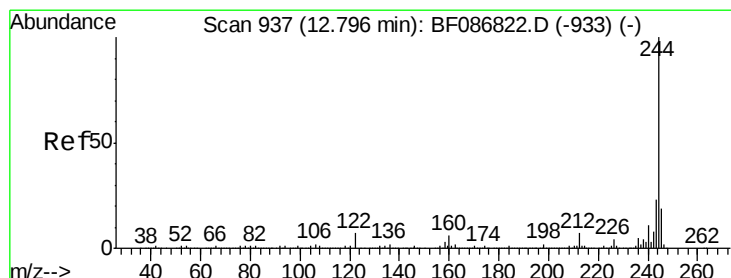
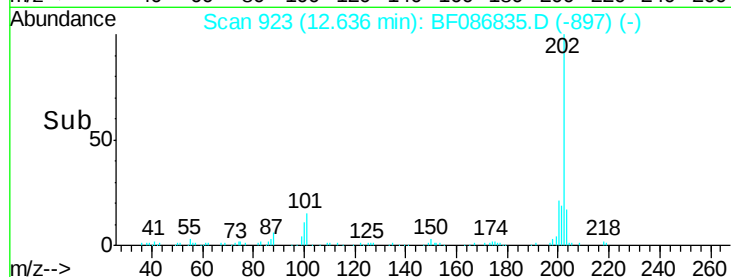
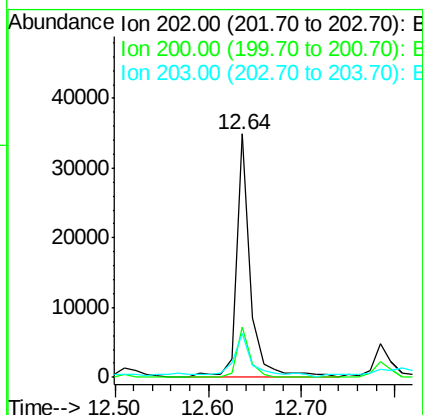
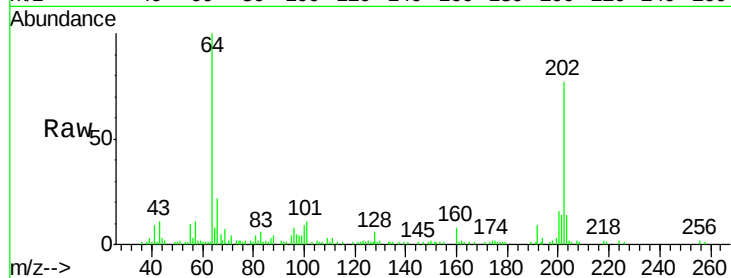




#77
 Pyrene
 Concen: 0.95 ng
 RT: 12.64 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: BF086835.D
 Acq: 9 May 2016 22:05

Instrument :
 BNA_F
 ClientSampleId :
 TP1-6-9FT

Tgt Ion: 202 Resp: 36511
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.7 26.5
 203 18.1 14.2 21.4



#78
 Terphenyl-d14
 Concen: 55.29 ng
 RT: 12.78 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: BF086835.D
 Acq: 9 May 2016 22:05

Tgt Ion: 244 Resp: 1311552
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.2 9.2
 122 15.4 12.0 18.0

