

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
 Data File : BF086843.D
 Acq On : 10 May 2016 1:54
 Operator : UM/SJ
 Sample : H2895-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP8-9.5FT

Quant Time: May 10 02:27:20 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	166867	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	713851	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	330416	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	606045	20.00	ng	0.00
75) Chrysene-d12	13.83	240	378334	20.00	ng	-0.01
86) Perylene-d12	15.21	264	346465	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	1191817	120.96	ng	0.00
7) Phenol-d6	6.35	99	1455520	110.53	ng	-0.01
23) Nitrobenzene-d5	7.26	82	1139824	80.18	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	401595	114.81	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	1520153	77.32	ng	0.00
78) Terphenyl-d14	12.79	244	1009910	56.64	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.40	88	327	0.07	ng	# 22
6) Aniline	6.36	93	254	0.02	ng	# 1
8) 2-Chlorophenol	6.48	128	284	0.02	ng	# 1
9) Benzaldehyde	6.35	77	2327	0.31	ng	# 4
10) Phenol	6.36	94	11630	0.74	ng	# 1
11) bis(2-Chloroethyl)ether	6.46	93	1892	0.16	ng	# 1
15) Benzyl Alcohol	6.84	79	15751	1.73	ng	# 42
16) 2,2'-oxybis(1-Chloropropan	6.74	45	335	0.01	ng	# 64
18) Hexachloroethane	6.97	117	210	0.04	ng	# 6
19) n-Nitroso-di-n-propylamine	7.26	70	162317	17.64	ng	# 74
24) Nitrobenzene	7.26	77	3387	0.23	ng	# 37
25) Isophorone	7.26	82	1109426	42.06	ng	# 68
31) Naphthalene	8.00	128	3410	0.10	ng	# 96
33) 4-Chloroaniline	8.00	127	273	0.02	ng	# 31
37) 2-Methylnaphthalene	8.69	142	1057	0.05	ng	# 96
45) 1,1'-Biphenyl	9.16	154	235	0.01	ng	# 43
47) 2-Nitroaniline	9.45	65	4035	0.54	ng	# 1
48) Acenaphthylene	9.58	152	4897	0.16	ng	# 93
49) Dimethylphthalate	9.46	163	338674	13.43	ng	# 99
50) 2,6-Dinitrotoluene	9.46	165	3387	0.64	ng	# 18
51) Acenaphthene	9.76	154	5269	0.28	ng	# 98
54) Dibenzofuran	9.93	168	3732	0.15	ng	# 73
55) 4-Nitrophenol	9.93	139	1567	4.96	ng	# 14
56) 2,4-Dinitrotoluene	9.72	165	43133	6.57	ng	# 16
57) Fluorene	10.27	166	7384	0.36	ng	# 92
59) Diethylphthalate	10.16	149	1190	0.05	ng	# 70
62) Azobenzene	10.37	77	1367	0.05	ng	# 29
64) 4,6-Dinitro-2-methylphenol	10.51	198	862	0.23	ng	# 1
65) n-Nitrosodiphenylamine	10.38	169	1110	0.06	ng	# 65
66) 4-Bromophenyl-phenylether	10.51	248	21874	3.56	ng	# 1
70) Phenanthrene	11.23	178	69762	2.16	ng	# 98
71) Anthracene	11.28	178	30118	0.91	ng	# 98
72) Carbazole	11.45	167	6740	0.24	ng	# 96
73) Di-n-butylphthalate	11.77	149	3031	0.09	ng	# 70

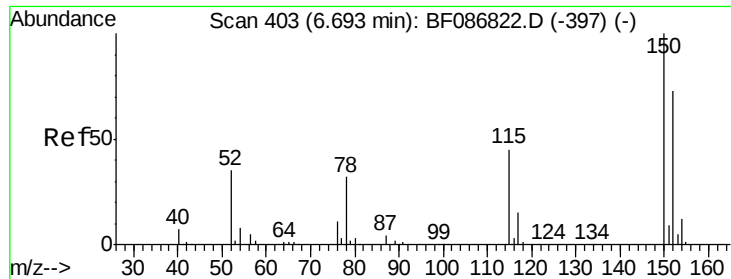
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050916\
 Data File : BF086843.D
 Acq On : 10 May 2016 1:54
 Operator : UM/SJ
 Sample : H2895-09
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Fluoranthene	12.41	202	103271	3.10	ng	95
77) Pyrene	12.64	202	83513	2.88	ng	99
79) Butylbenzylphthalate	13.27	149	2075	0.17	ng #	82
80) Benzo(a)anthracene	13.81	228	39225	1.85	ng	93
81) 3,3'-Dichlorobenzidine	13.87	252	286	0.02	ng #	53
82) Chrysene	13.85	228	28351	1.31	ng	96
83) Bis(2-ethylhexyl)phthalate	13.83	149	1544	0.10	ng #	50
84) Di-n-octyl phthalate	14.45	149	459	0.02	ng #	75
85) Indeno(1,2,3-cd)pyrene	16.49	276	13556	0.75	ng	90
87) Benzo(b)fluoranthene	14.83	252	39631	1.76	ng	98
88) Benzo(k)fluoranthene	14.83	252	39631	2.15	ng	97
89) Benzo(a)pyrene	15.15	252	21524	1.11	ng #	93
90) Dibenzo(a,h)anthracene	16.50	278	4180	0.26	ng #	76
91) Benzo(g,h,i)perylene	16.88	276	12567	0.76	ng #	92

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. 0.00 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

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ClientSampleId :

TP8-9.5FT

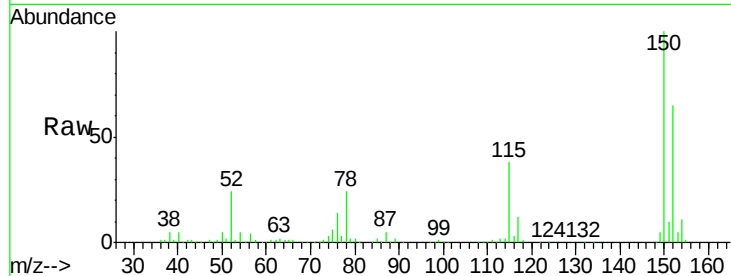
Tgt Ion:152 Resp: 166867

Ion Ratio Lower Upper

152 100

150 153.5 125.8 188.6

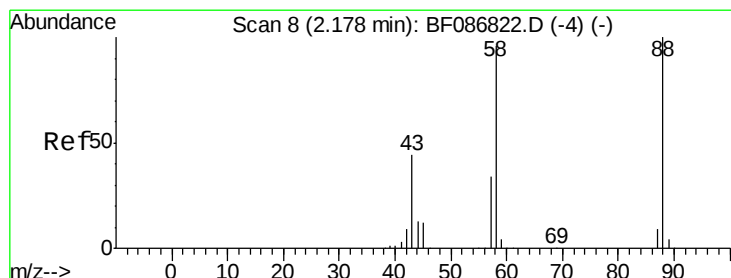
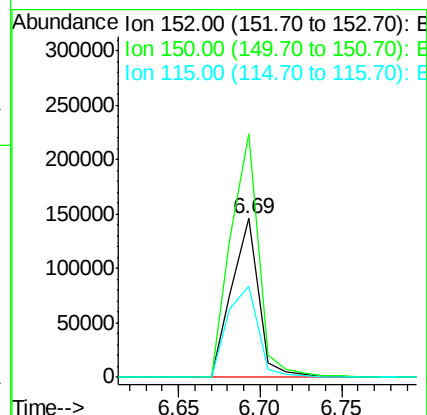
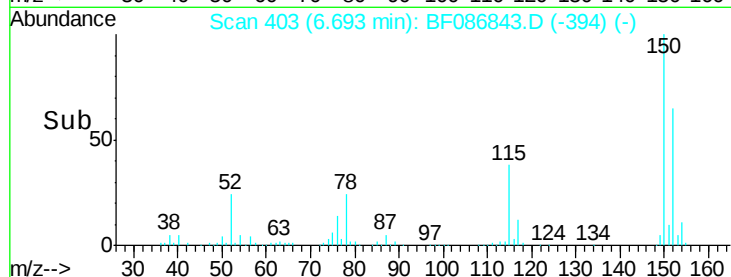
115 57.6 51.5 77.3



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: 0.07 ng

RT: 2.40 min Scan# 27

Delta R.T. 0.22 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

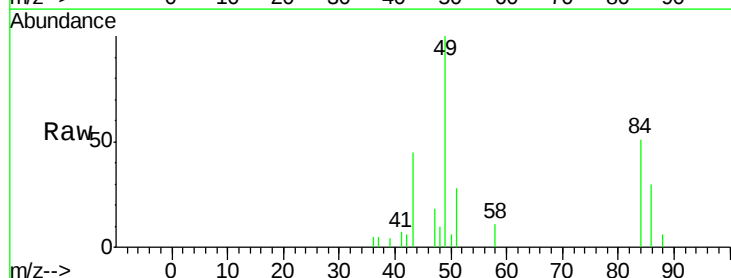
Tgt Ion: 88 Resp: 327

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

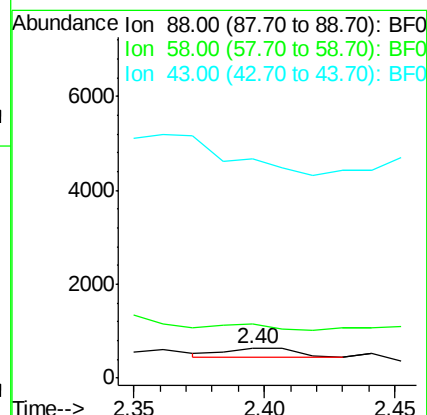
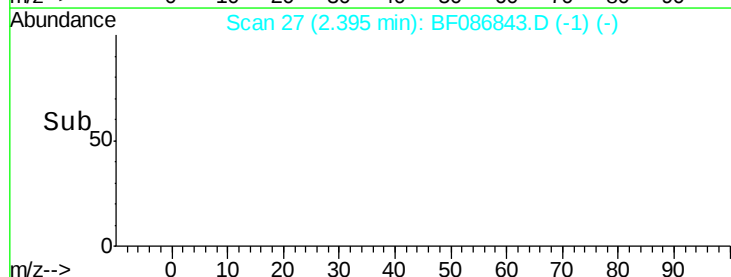
43 0.0 21.8 32.6#

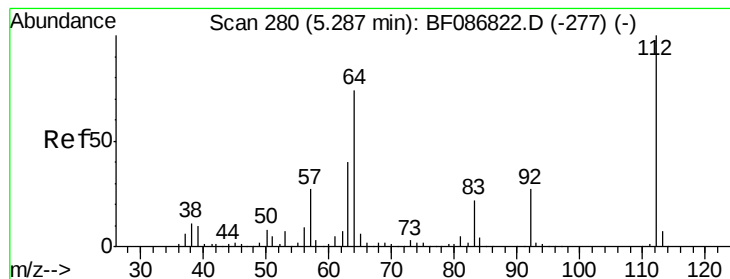


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 120.96 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

Instrument :

BNA_F

ClientSampleId :

TP8-9.5FT

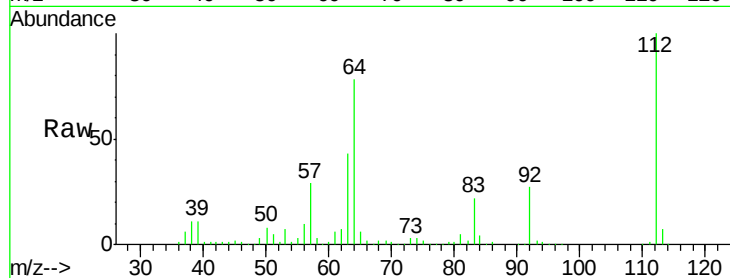
Tgt Ion: 112 Resp: 1191817

Ion Ratio Lower Upper

112 100

64 78.4 52.1 78.1#

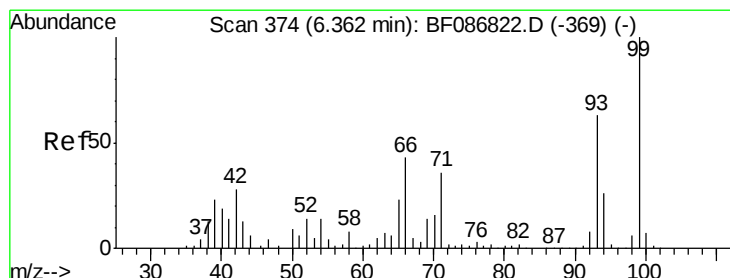
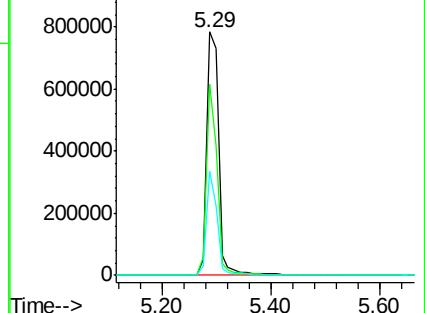
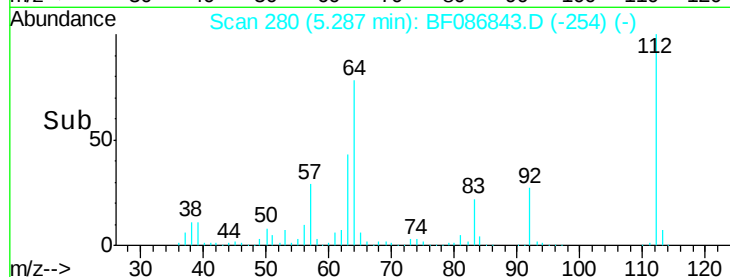
63 42.6 25.7 38.5#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 0.02 ng

RT: 6.36 min Scan# 374

Delta R.T. 0.00 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

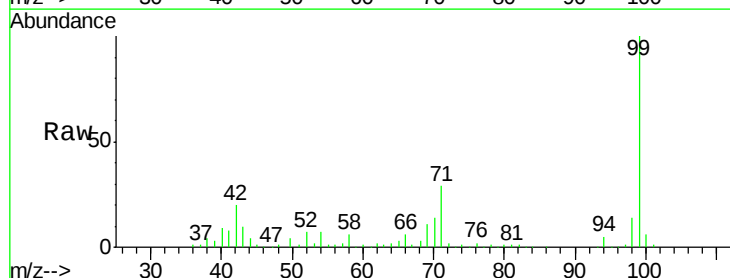
Tgt Ion: 93 Resp: 254

Ion Ratio Lower Upper

93 100

66 4055.4 39.0 58.6#

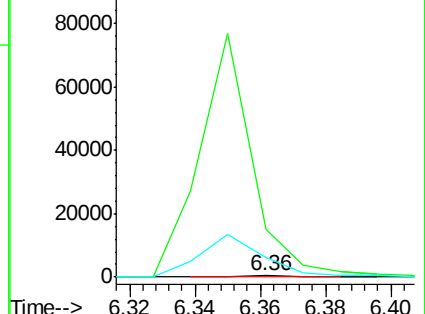
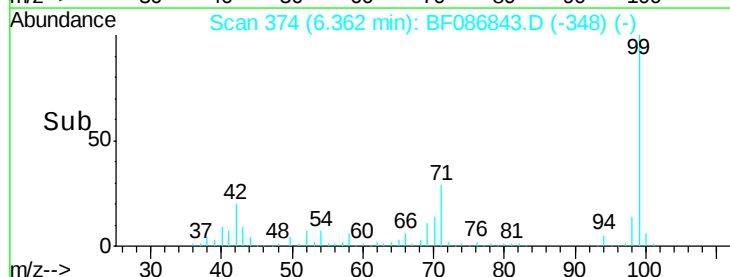
65 1725.9 20.6 31.0#

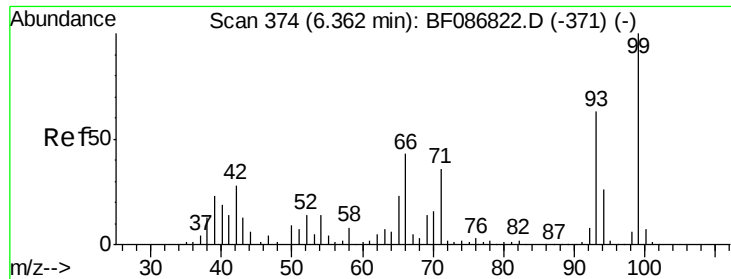


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 110.53 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

Instrument :

BNA_F

ClientSampleId :

TP8-9.5FT

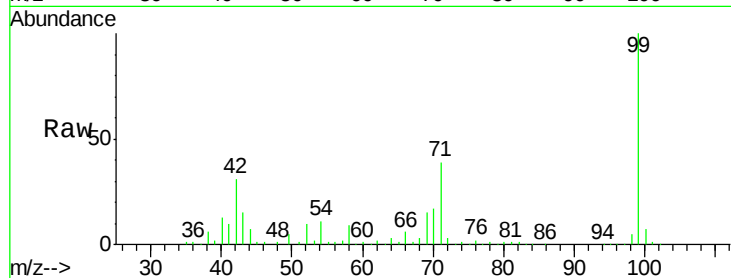
Tgt Ion: 99 Resp: 145520

Ion Ratio Lower Upper

99 100

42 30.6 13.6 20.4#

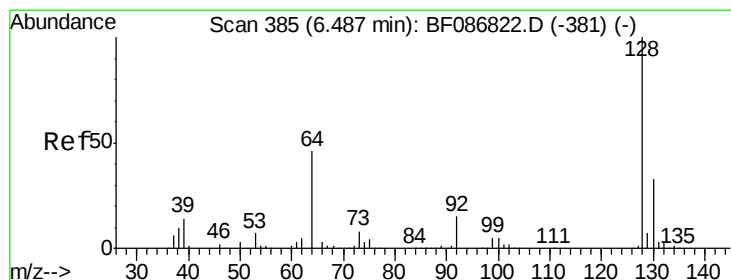
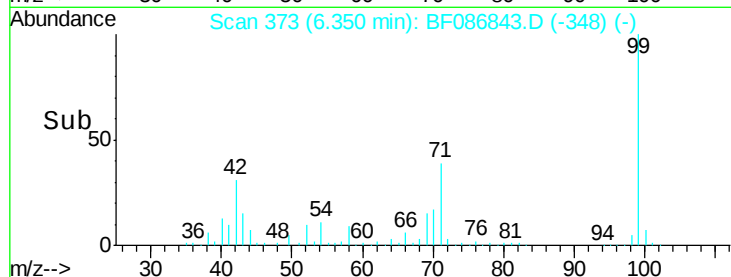
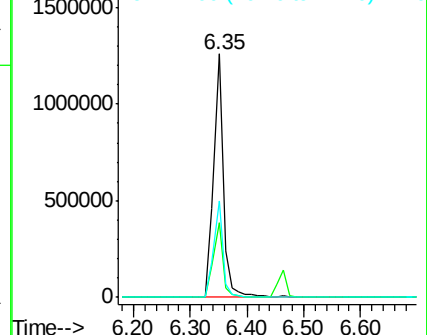
71 39.4 24.6 36.8#



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: BF086843.D

Acq: 10 May 2016 1:54

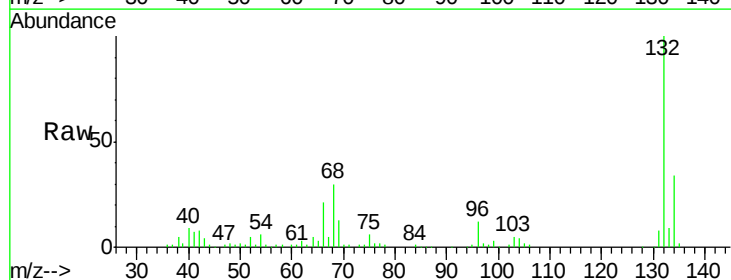
Tgt Ion: 128 Resp: 284

Ion Ratio Lower Upper

128 100

130 101.2 12.5 52.5#

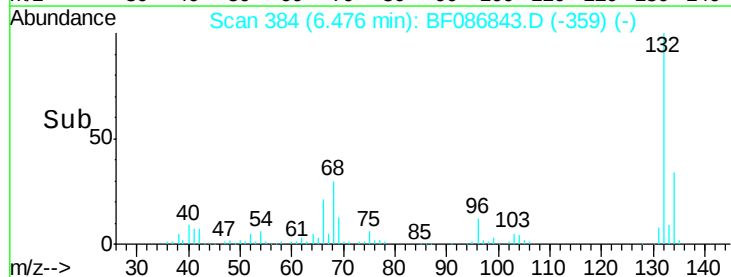
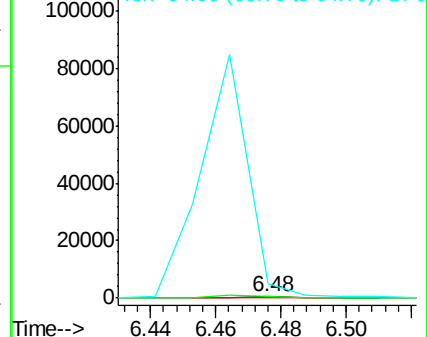
64 1259.2 27.3 67.3#

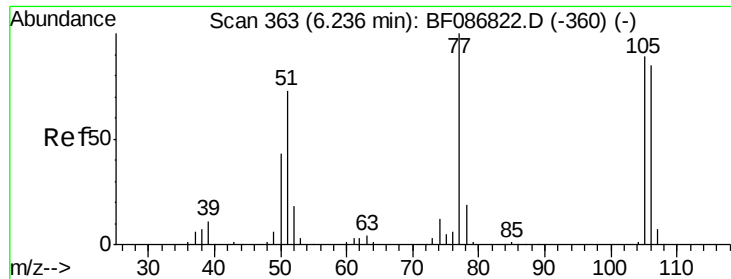


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 0.31 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.11 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

Instrument :

BNA_F

ClientSampleId :

TP8-9.5FT

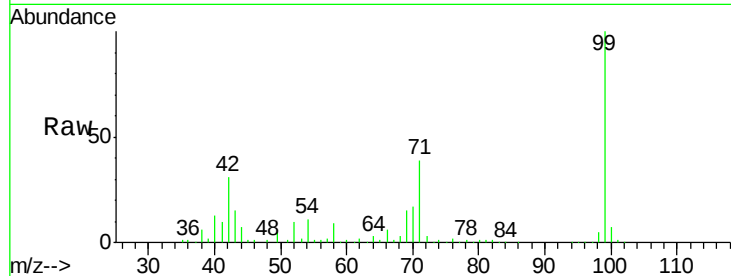
Tgt Ion: 77 Resp: 2327

Ion Ratio Lower Upper

77 100

105 0.0 72.7 112.7#

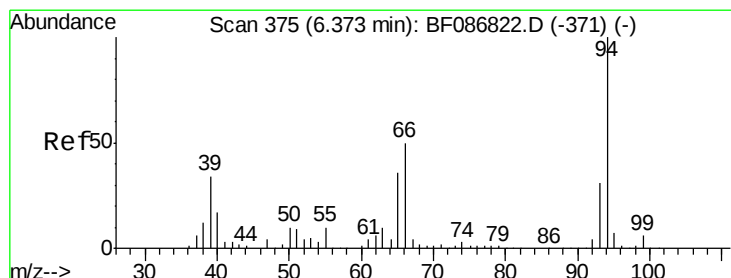
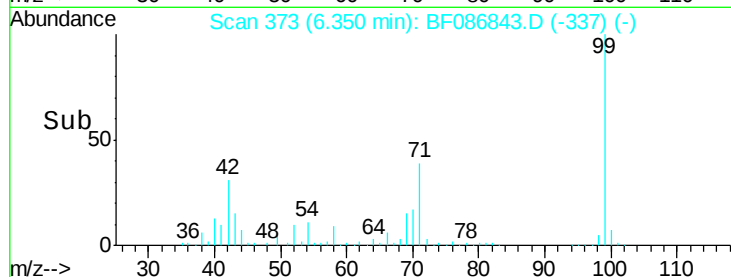
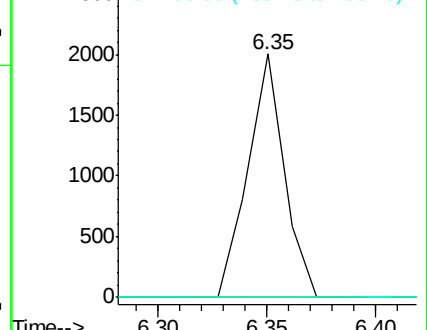
106 0.0 70.8 110.8#



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: 0.74 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

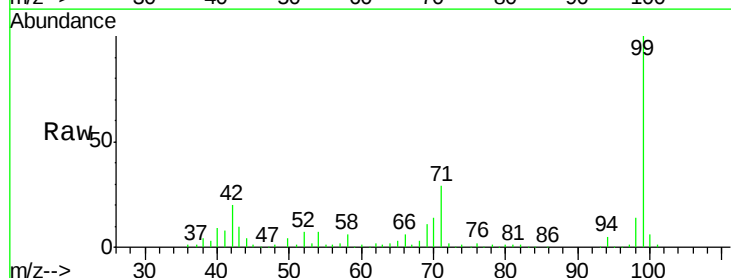
Tgt Ion: 94 Resp: 11630

Ion Ratio Lower Upper

94 100

65 52.2 7.2 47.2#

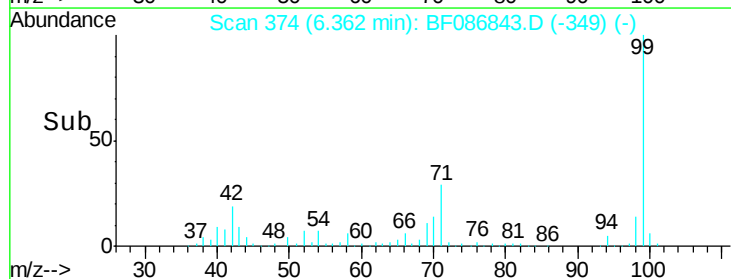
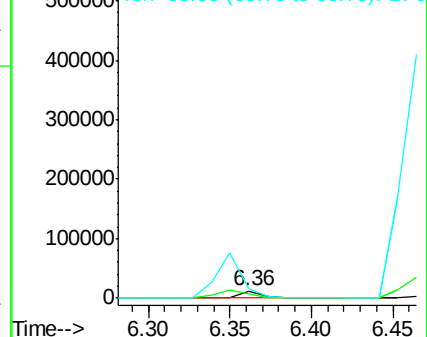
66 122.8 14.9 54.9#

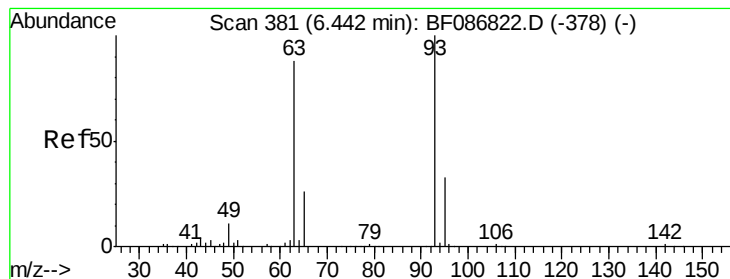


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 0.16 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.02 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

Instrument :

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TP8-9.5FT

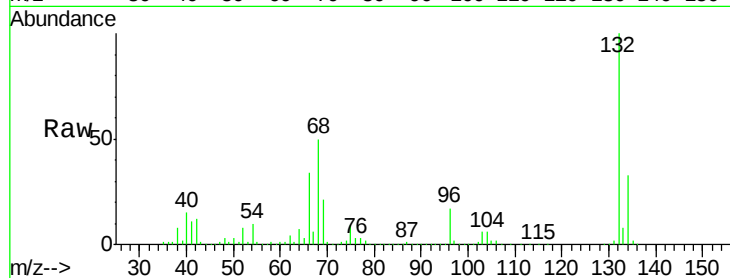
Tgt Ion: 93 Resp: 1892

Ion Ratio Lower Upper

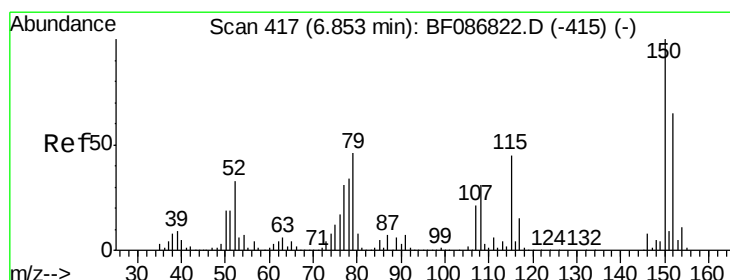
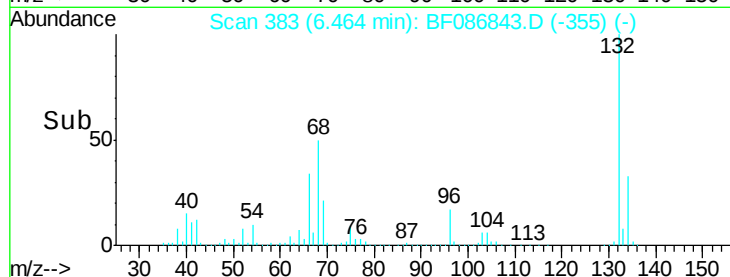
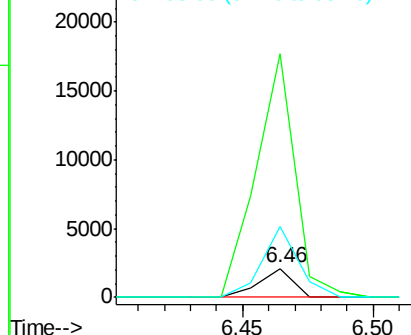
93 100

63 847.9 58.0 98.0#

95 247.0 11.9 51.9#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0



#15

Benzyl Alcohol

Concen: 1.73 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

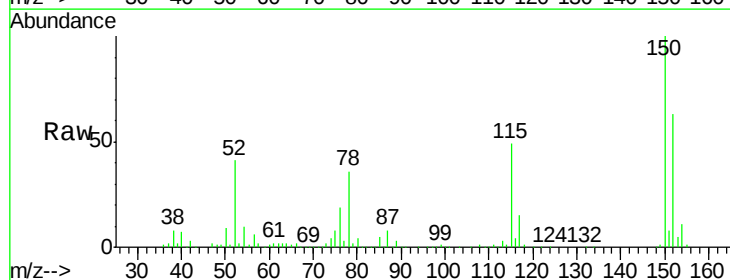
Tgt Ion: 79 Resp: 15751

Ion Ratio Lower Upper

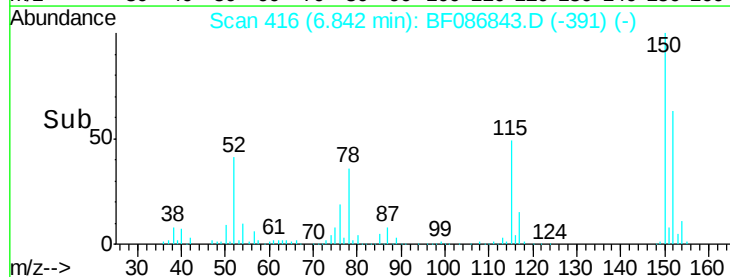
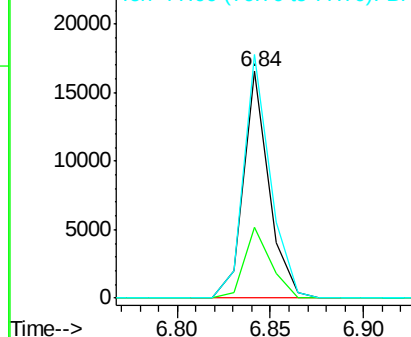
79 100

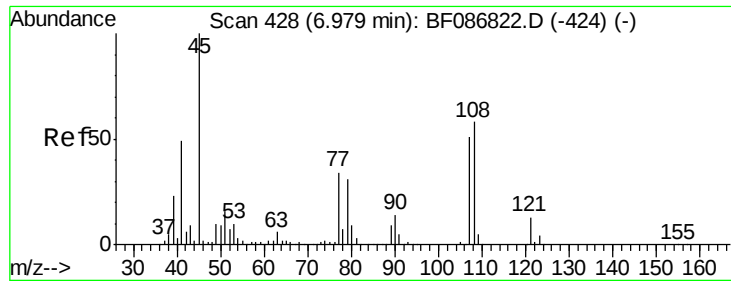
108 31.0 68.4 102.6#

77 107.5 50.6 76.0#



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

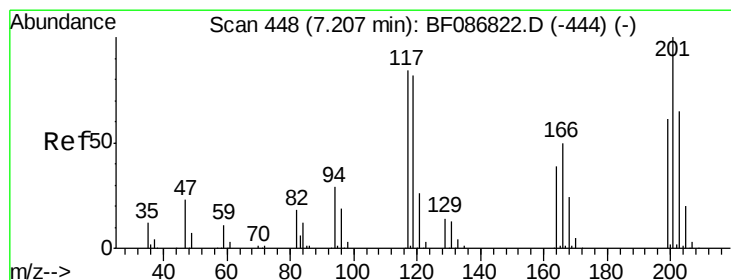
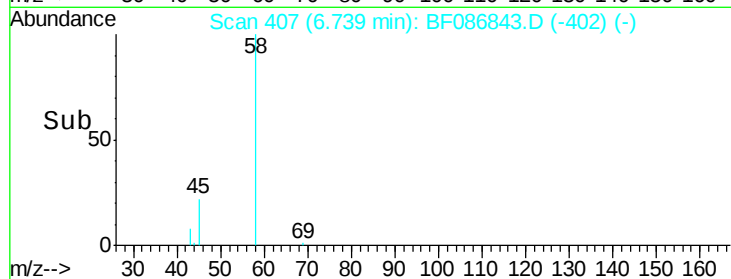
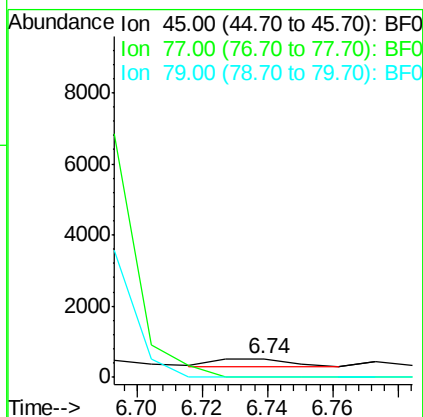
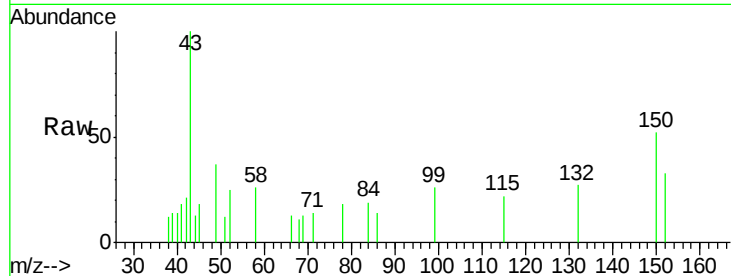




#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.01 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.24 min
Lab File: BF086843.D
Acq: 10 May 2016 1:54

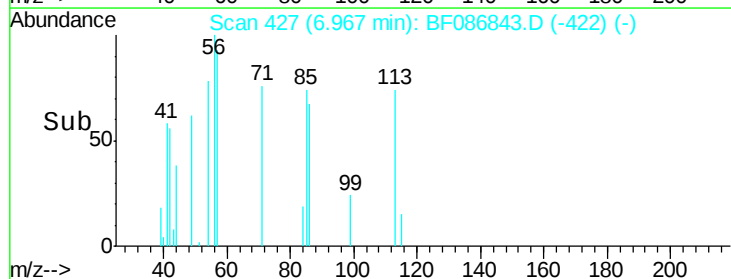
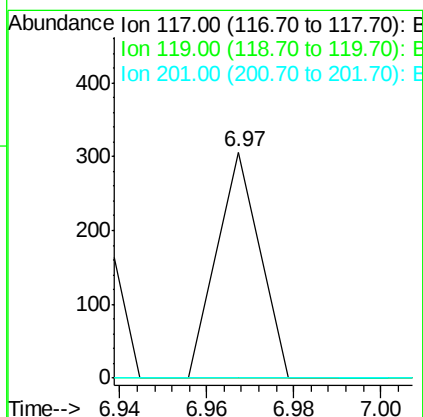
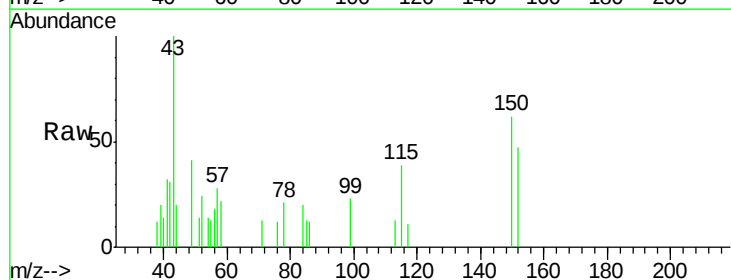
Instrument :
BNA_F
ClientSampleId :
TP8-9.5FT

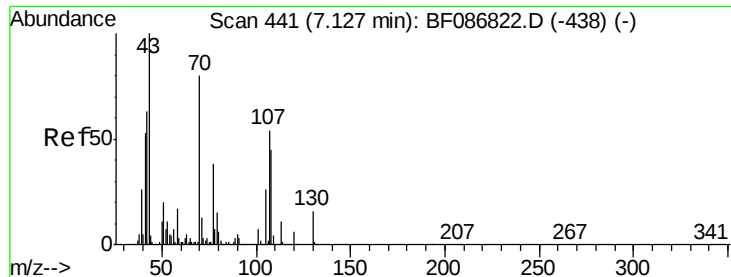
Tgt Ion: 45 Resp: 335
Ion Ratio Lower Upper
45 100
77 0.0 0.0 36.4
79 0.0 0.0 33.4



#18
Hexachloroethane
Concen: 0.04 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.24 min
Lab File: BF086843.D
Acq: 10 May 2016 1:54

Tgt Ion: 117 Resp: 210
Ion Ratio Lower Upper
117 100
119 0.0 76.5 114.7#
201 0.0 63.0 94.6#

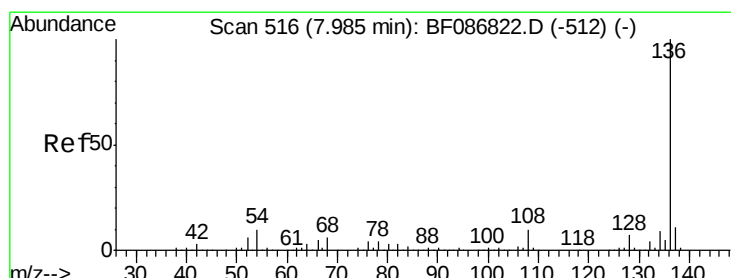
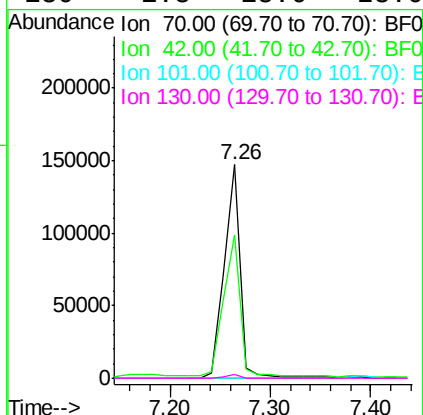
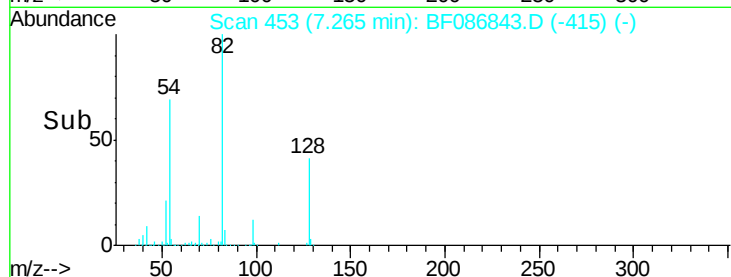
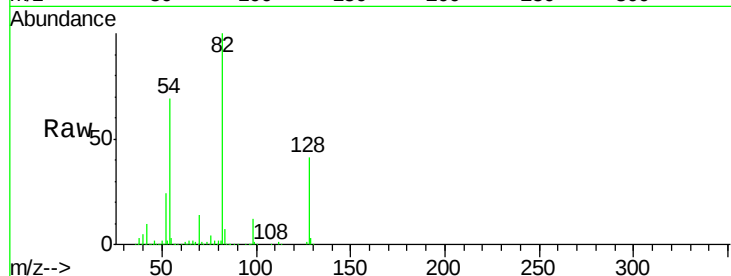




#19
n-Nitroso-di-n-propylamine
Concen: 17.64 ng
RT: 7.26 min Scan# 453
Delta R.T. 0.14 min
Lab File: BF086843.D
Acq: 10 May 2016 1:54

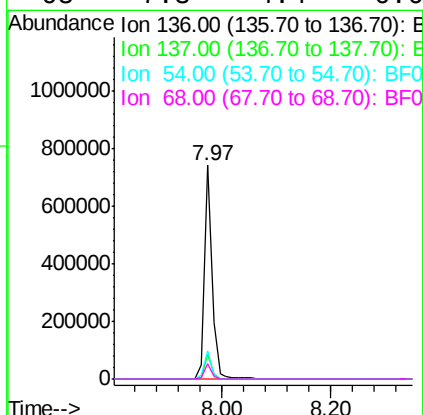
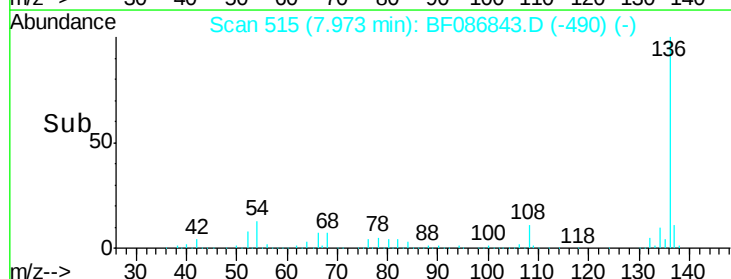
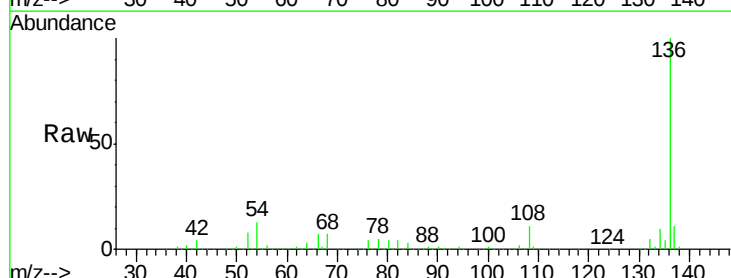
Instrument :
BNA_F
ClientSampleId :
TP8-9.5FT

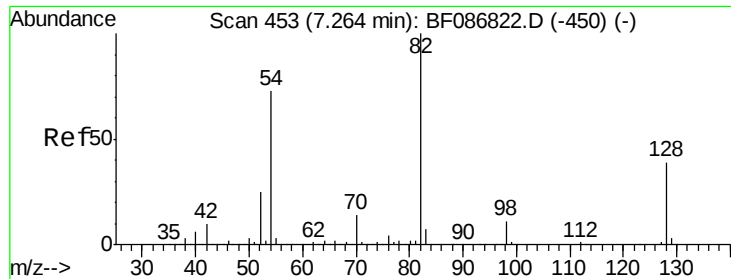
Tgt Ion: 70 Resp: 162317
Ion Ratio Lower Upper
70 100
42 67.3 43.1 64.7#
101 0.0 8.1 12.1#
130 1.8 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.01 min
Lab File: BF086843.D
Acq: 10 May 2016 1:54

Tgt Ion: 136 Resp: 713851
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 13.4 5.0 7.4#
68 7.3 4.4 6.6#

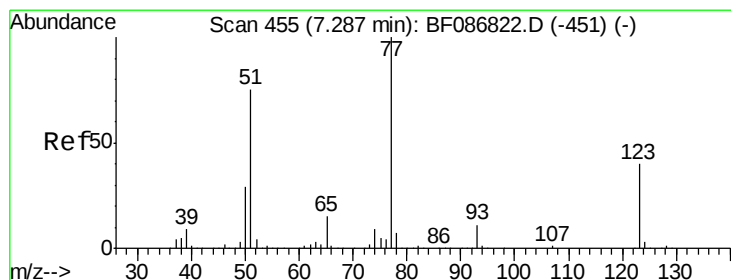
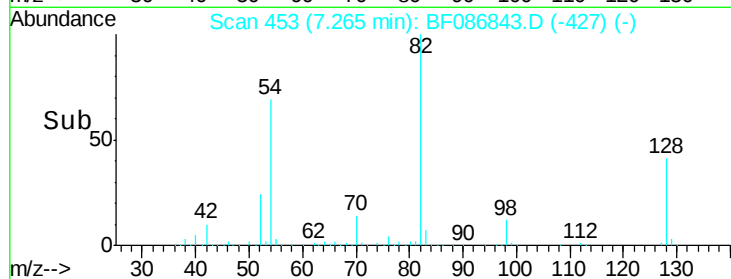
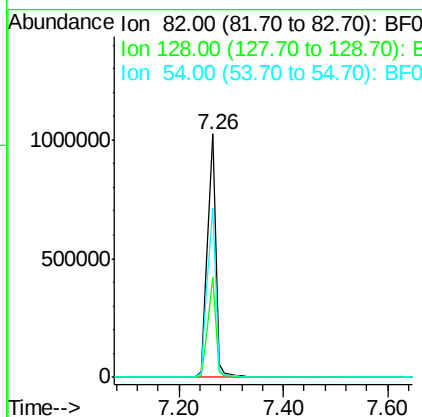
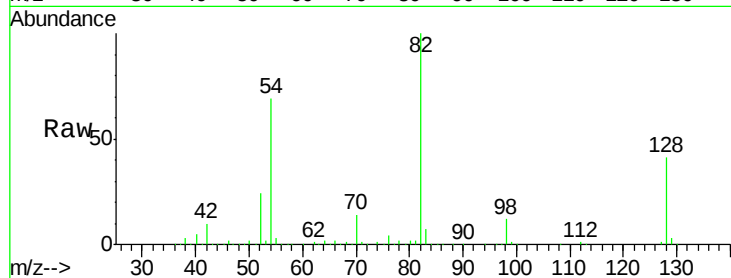




#23
 Nitrobenzene-d5
 Concen: 80.18 ng
 RT: 7.26 min Scan# 453
 Delta R.T. 0.00 min
 Lab File: BF086843.D
 Acq: 10 May 2016 1:54

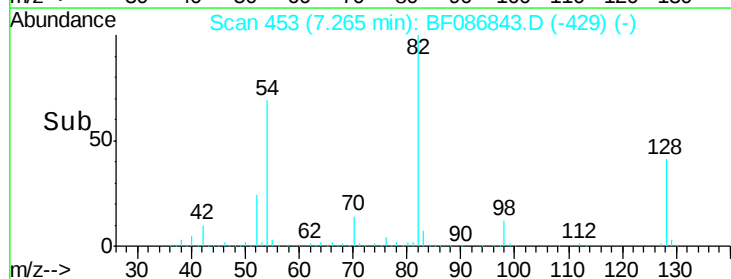
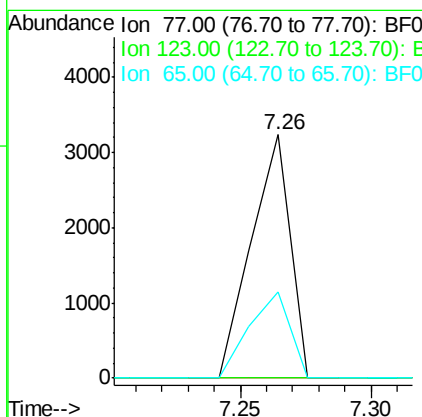
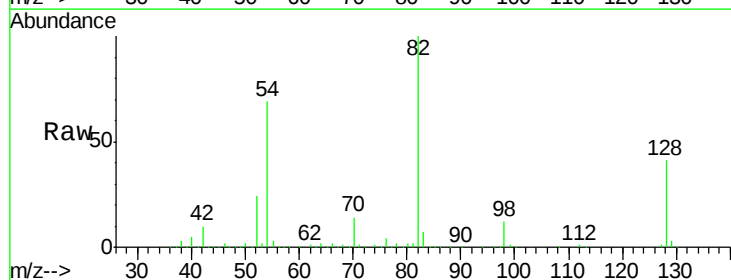
Instrument :
 BNA_F
 ClientSampleId :
 TP8-9.5FT

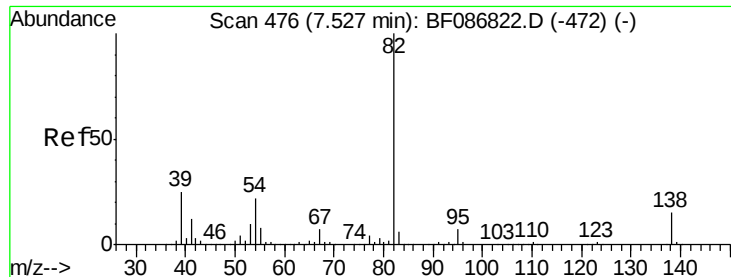
Tgt Ion: 82 Resp: 1139824
 Ion Ratio Lower Upper
 82 100
 128 41.2 40.6 61.0
 54 69.4 38.1 57.1#



#24
 Nitrobenzene
 Concen: 0.23 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.02 min
 Lab File: BF086843.D
 Acq: 10 May 2016 1:54

Tgt Ion: 77 Resp: 3387
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.4#
 65 35.6 10.8 16.2#





#25

Isophorone

Concen: 42.06 ng

RT: 7.26 min Scan# 453

Delta R.T. -0.26 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

Instrument :

BNA_F

ClientSampleId :

TP8-9.5FT

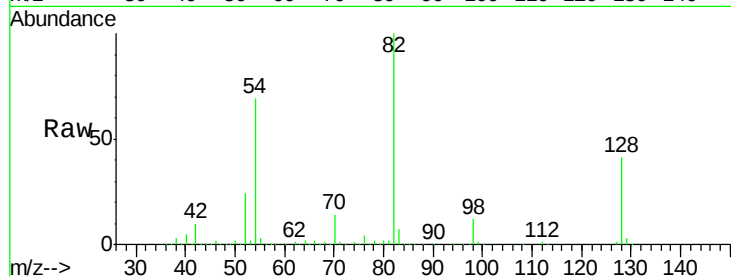
Tgt Ion: 82 Resp: 1109426

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

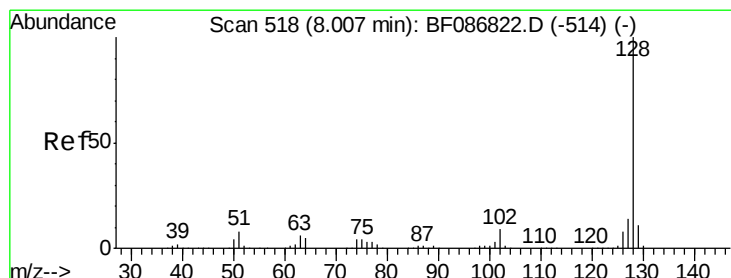
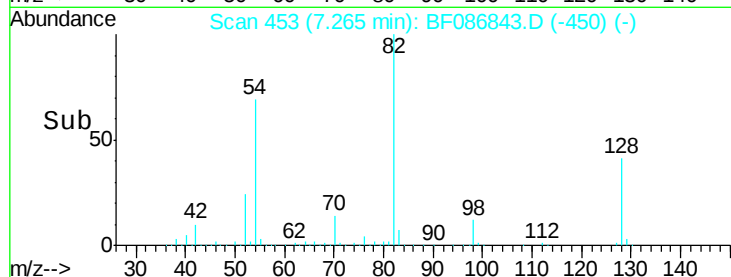
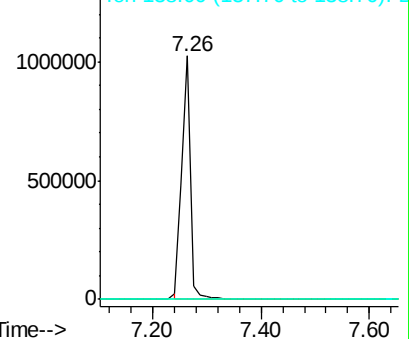
138 0.0 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#31

Naphthalene

Concen: 0.10 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.01 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

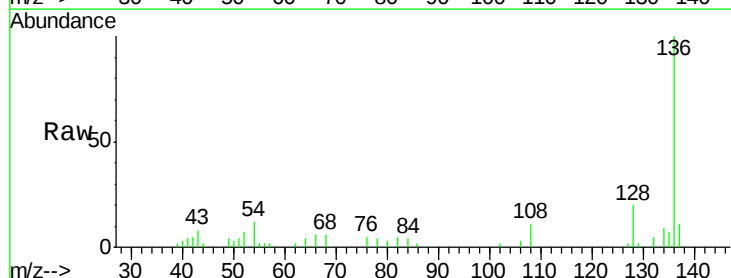
Tgt Ion: 128 Resp: 3410

Ion Ratio Lower Upper

128 100

129 10.0 8.6 13.0

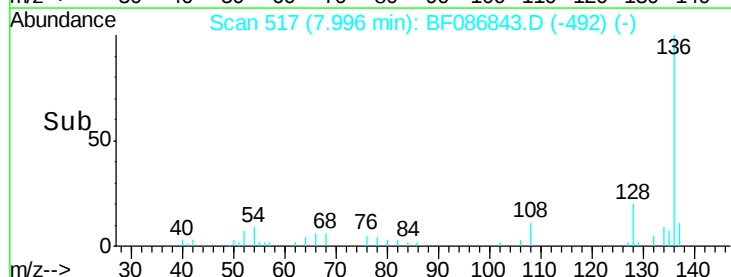
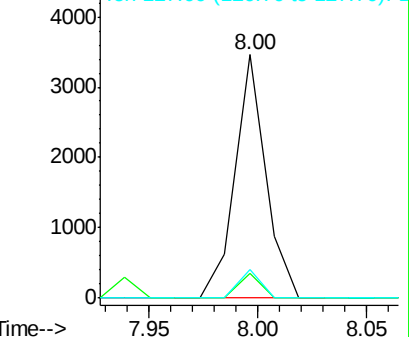
127 11.5 10.8 16.2

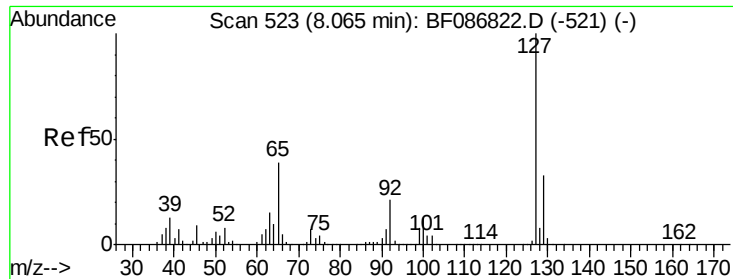


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

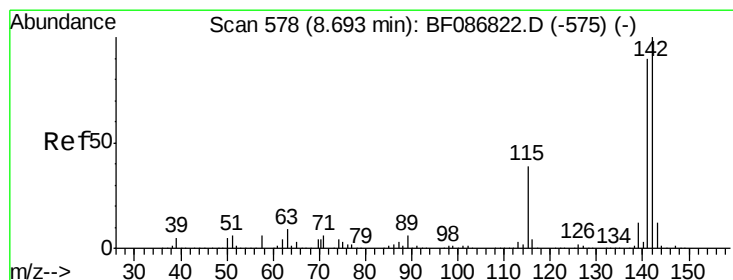
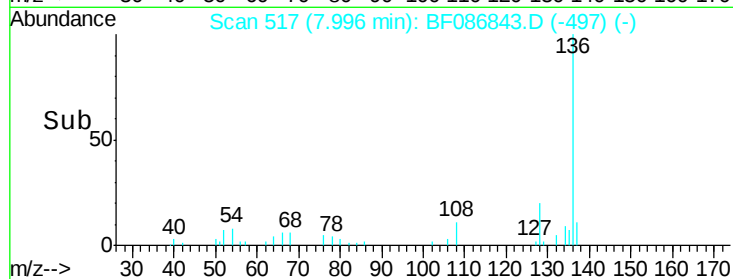
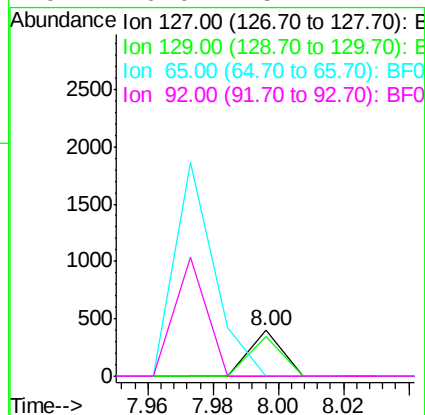
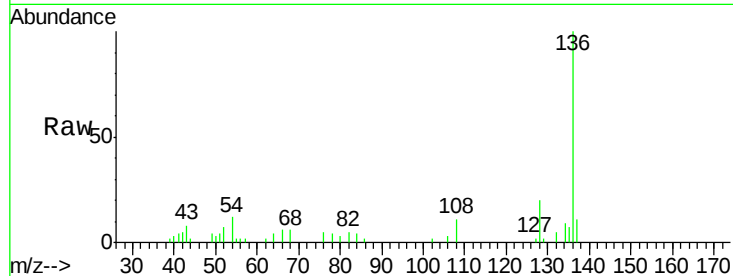




#33
 4-Chloroaniline
 Concen: 0.02 ng
 RT: 8.00 min Scan# 517
 Delta R.T. -0.07 min
 Lab File: BF086843.D
 Acq: 10 May 2016 1:54

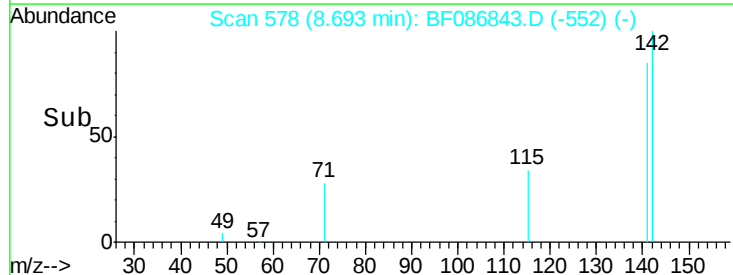
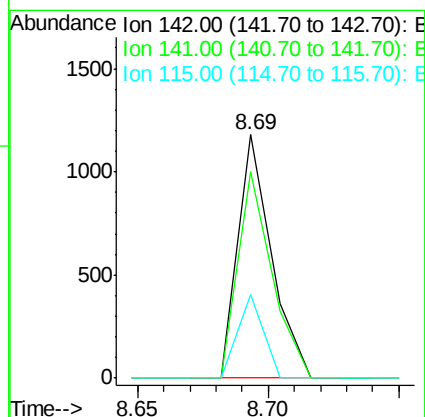
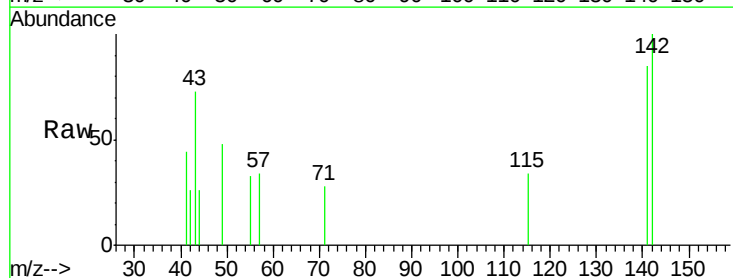
Instrument :
 BNA_F
 ClientSampleId :
 TP8-9.5FT

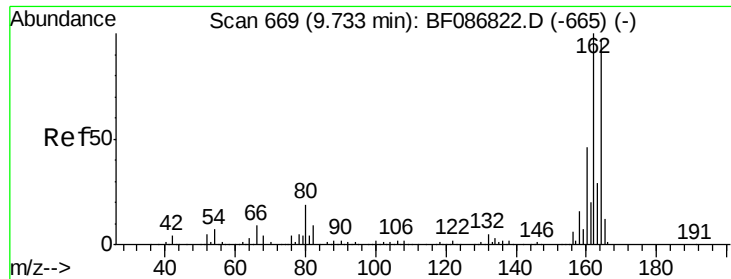
Tgt Ion:	127	Resp:	273
Ion	Ratio	Lower	Upper
127	100		
129	87.2	26.2	39.4#
65	0.0	23.0	34.4#
92	0.0	15.1	22.7#



#37
 2-Methylnaphthalene
 Concen: 0.05 ng
 RT: 8.69 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: BF086843.D
 Acq: 10 May 2016 1:54

Tgt Ion:	142	Resp:	1057
Ion	Ratio	Lower	Upper
142	100		
141	84.9	71.0	106.6
115	34.5	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: BF086843.D

Acq: 10 May 2016 1:54

Instrument :

BNA_F

ClientSampleId :

TP8-9.5FT

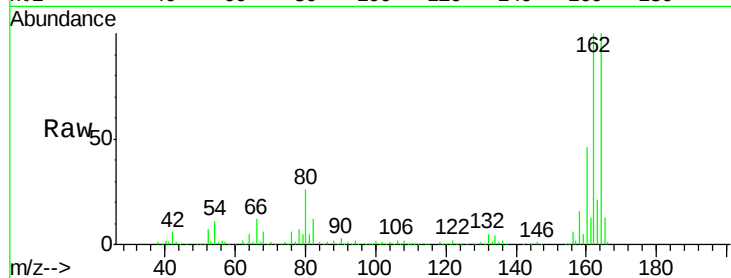
Tgt Ion:164 Resp: 330416

Ion Ratio Lower Upper

164 100

162 100.3 82.8 124.2

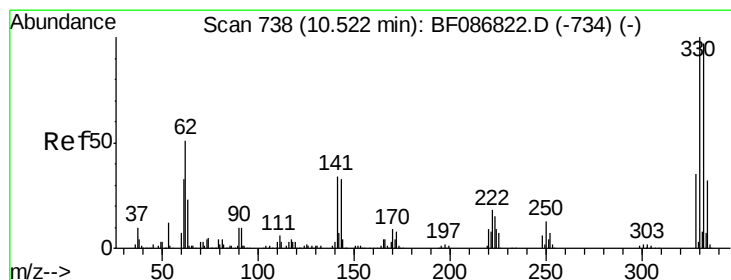
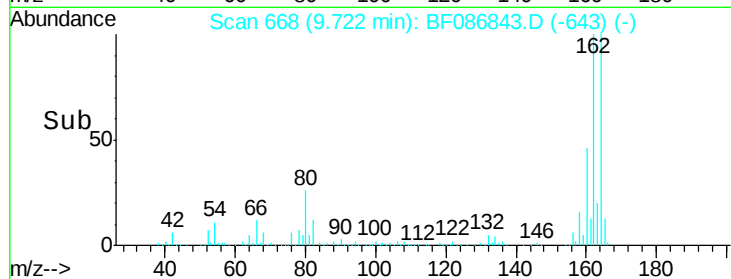
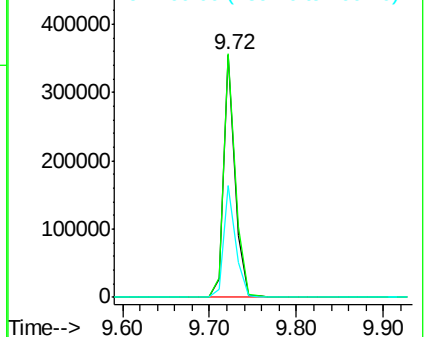
160 46.0 36.9 55.3



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: 114.81 ng

RT: 10.52 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

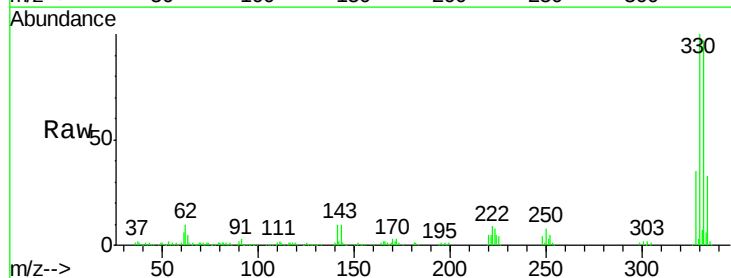
Tgt Ion:330 Resp: 401595

Ion Ratio Lower Upper

330 100

332 96.8 79.0 118.4

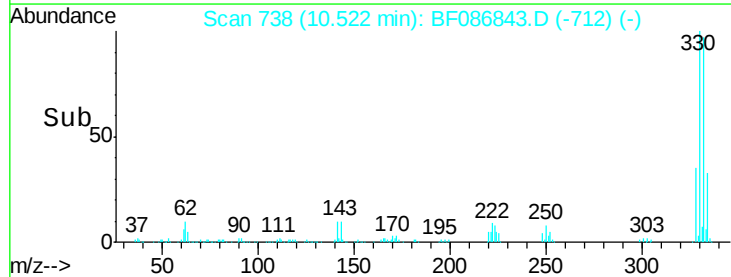
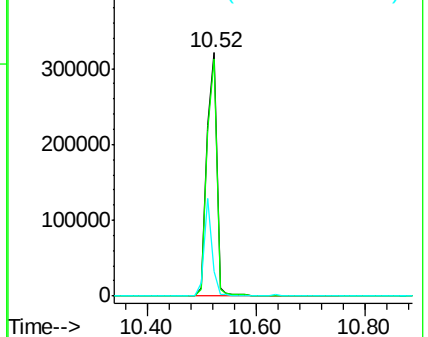
141 32.2 31.2 46.8

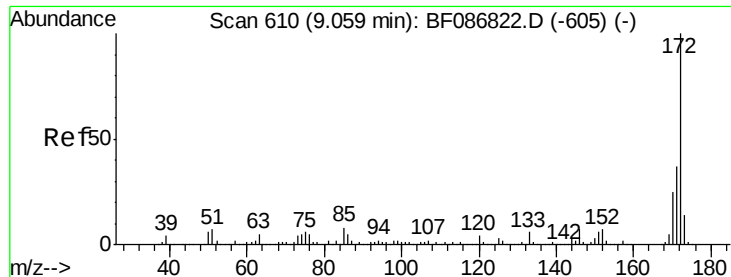


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

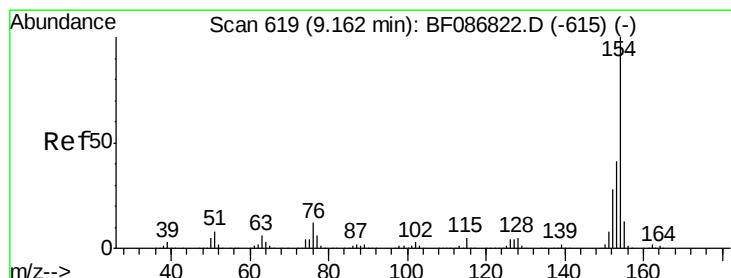
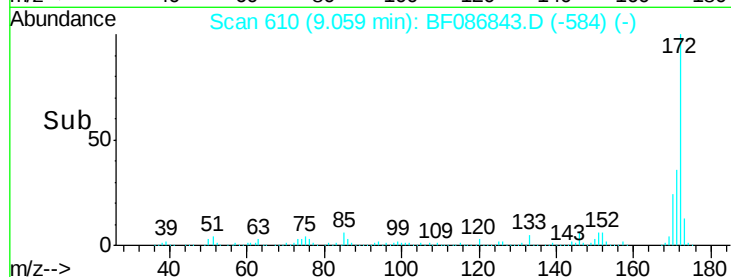
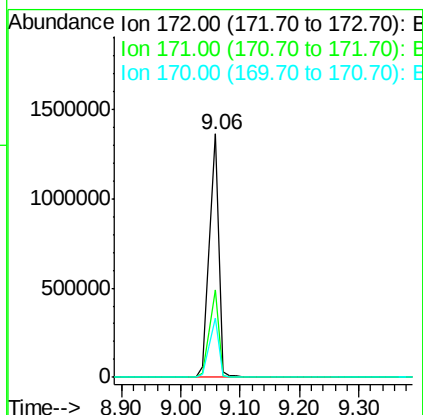
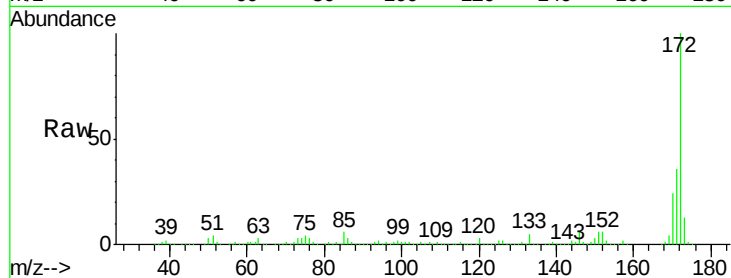




#44
 2-Fluorobiphenyl
 Concen: 77.32 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: BF086843.D
 Acq: 10 May 2016 1:54

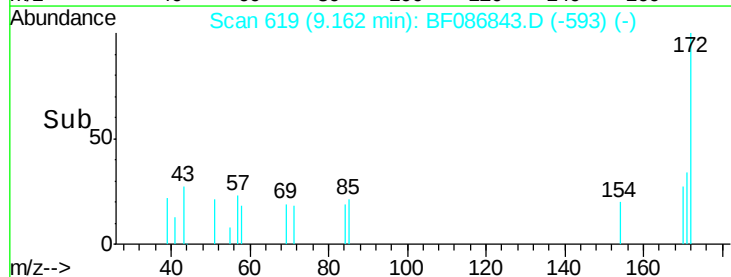
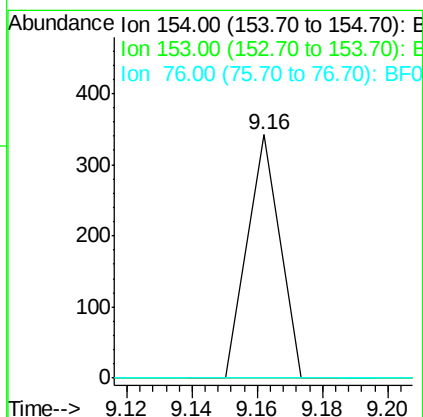
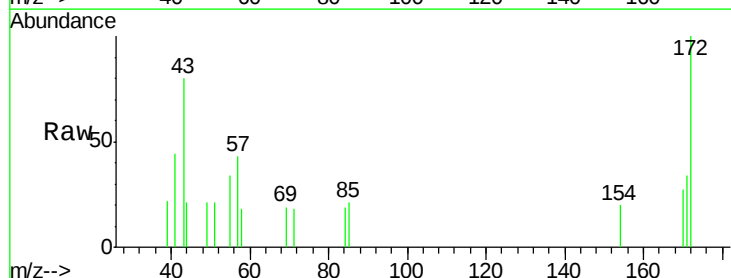
Instrument :
 BNA_F
 ClientSampleId :
 TP8-9.5FT

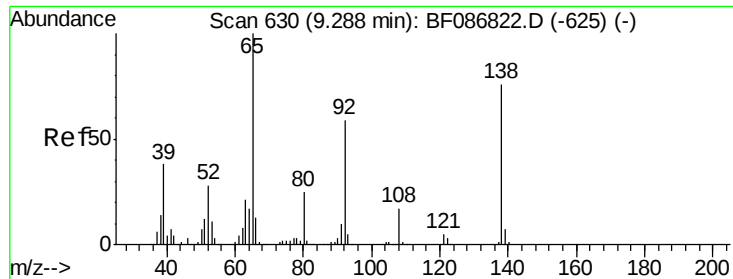
Tgt Ion:172 Resp: 1520153
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.0 43.6
 170 24.3 19.8 29.8



#45
 1,1'-Biphenyl
 Concen: 0.01 ng
 RT: 9.16 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: BF086843.D
 Acq: 10 May 2016 1:54

Tgt Ion:154 Resp: 235
 Ion Ratio Lower Upper
 154 100
 153 0.0 20.3 60.3#
 76 0.0 0.0 30.2

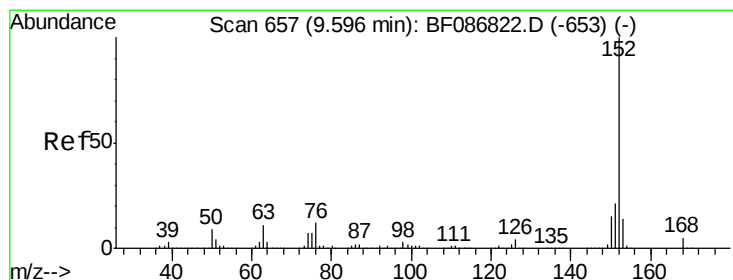
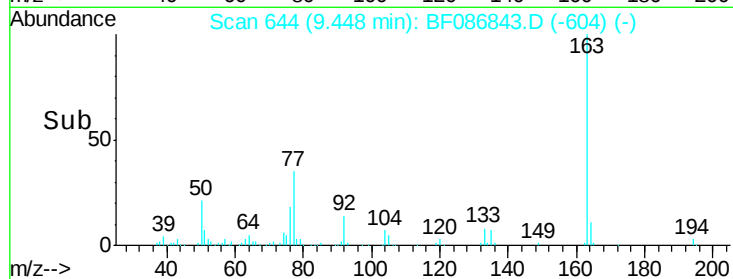
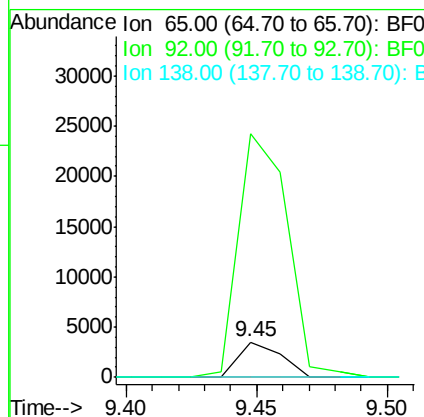
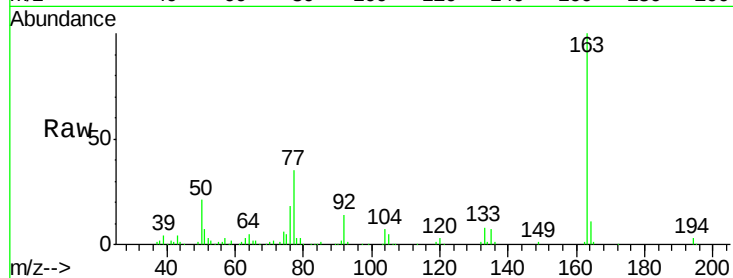




#47
 2-Nitroaniline
 Concen: 0.54 ng
 RT: 9.45 min Scan# 644
 Delta R.T. 0.16 min
 Lab File: BF086843.D
 Acq: 10 May 2016 1:54

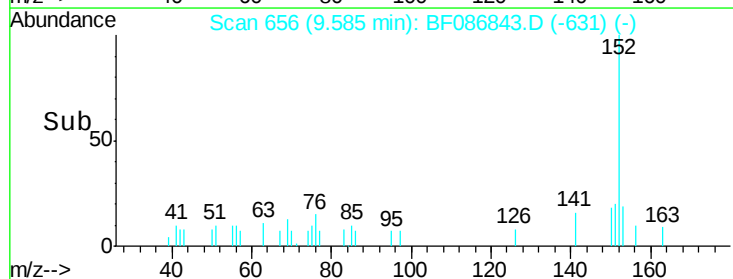
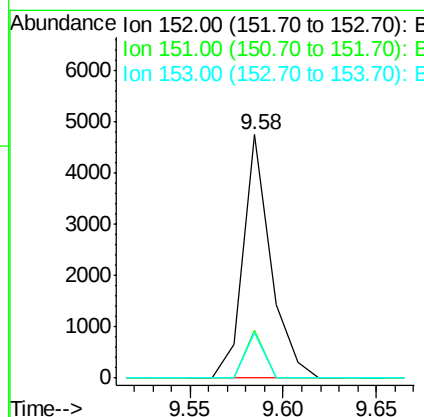
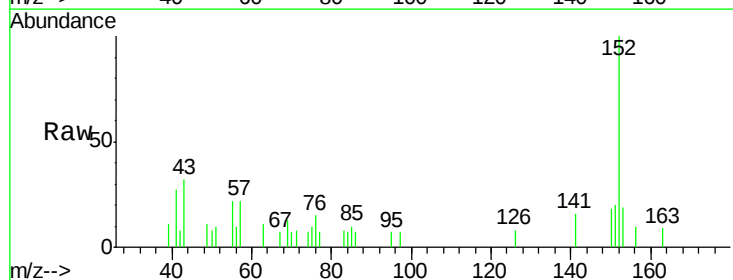
Instrument :
 BNA_F
 ClientSampleId :
 TP8-9.5FT

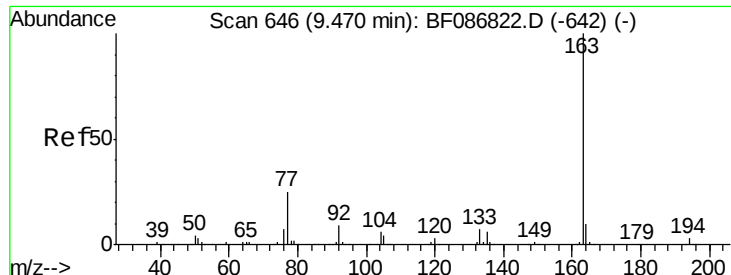
Tgt Ion: 65 Resp: 4035
 Ion Ratio Lower Upper
 65 100
 92 691.0 57.4 86.2#
 138 0.0 90.1 135.1#



#48
 Acenaphthylene
 Concen: 0.16 ng
 RT: 9.58 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: BF086843.D
 Acq: 10 May 2016 1:54

Tgt Ion: 152 Resp: 4897
 Ion Ratio Lower Upper
 152 100
 151 19.5 16.8 25.2
 153 18.5 10.9 16.3#





#49

Dimethylphthalate

Concen: 13.43 ng

RT: 9.46 min Scan# 645

Delta R.T. -0.01 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

Instrument :

BNA_F

ClientSampleId :

TP8-9.5FT

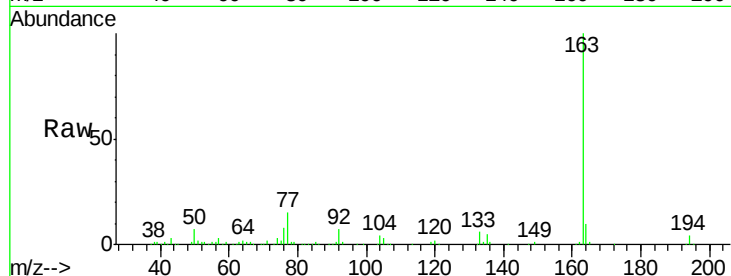
Tgt Ion:163 Resp: 338674

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

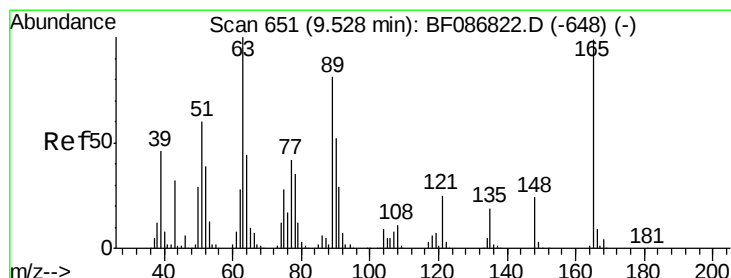
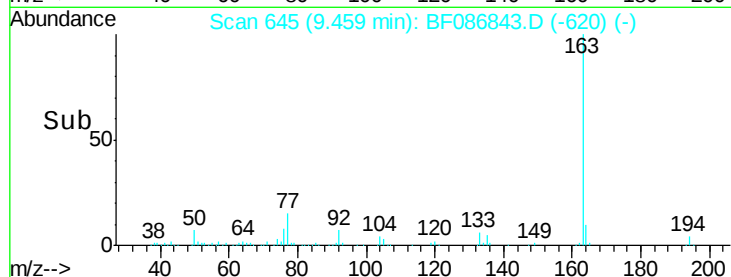
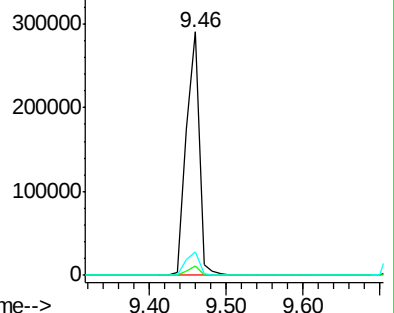
164 9.8 8.2 12.4



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: 0.64 ng

RT: 9.46 min Scan# 645

Delta R.T. -0.07 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

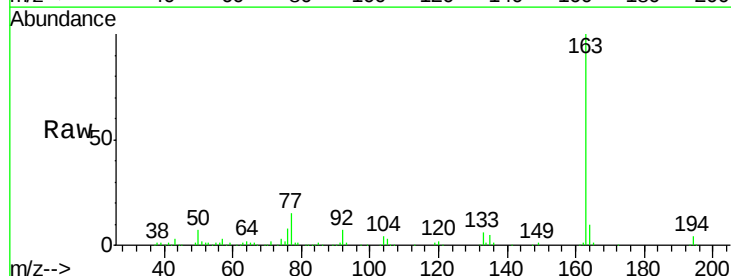
Tgt Ion:165 Resp: 3387

Ion Ratio Lower Upper

165 100

63 142.5 51.8 77.8#

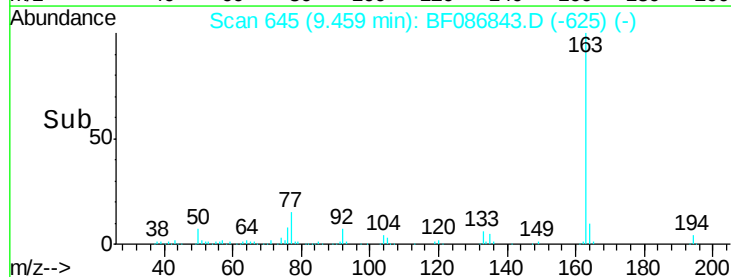
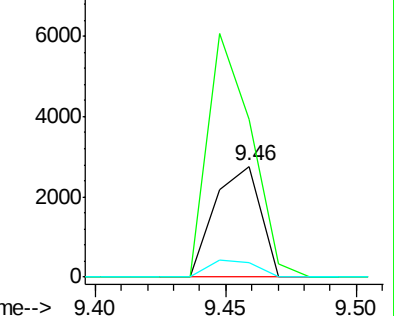
89 13.2 50.7 76.1#

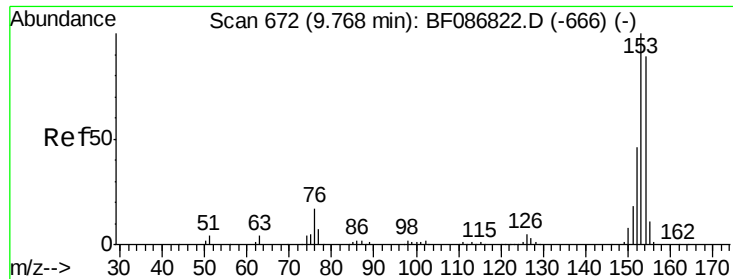


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.28 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

Instrument :

BNA_F

ClientSampleId :

TP8-9.5FT

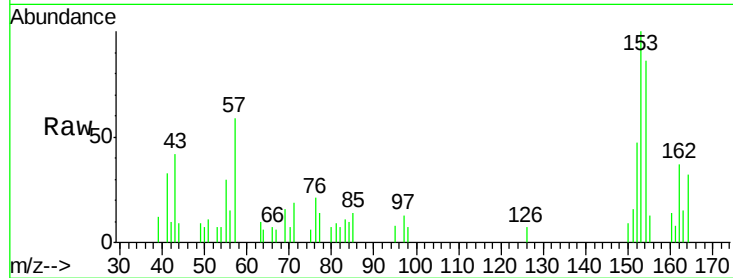
Tgt Ion:154 Resp: 5269

Ion Ratio Lower Upper

154 100

153 116.0 89.8 134.6

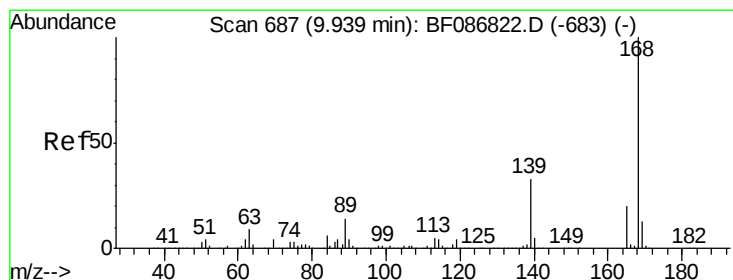
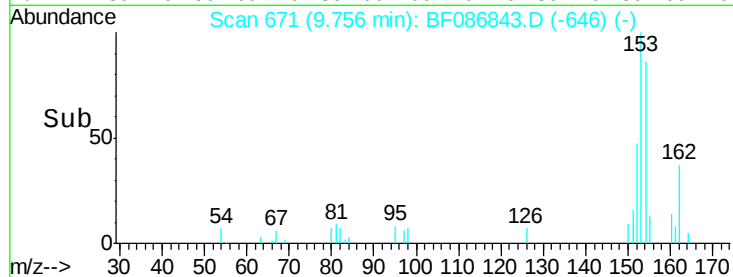
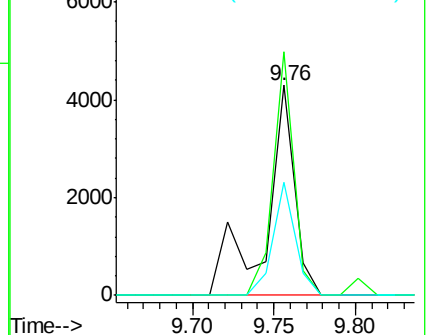
152 54.1 43.4 65.0



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: 0.15 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

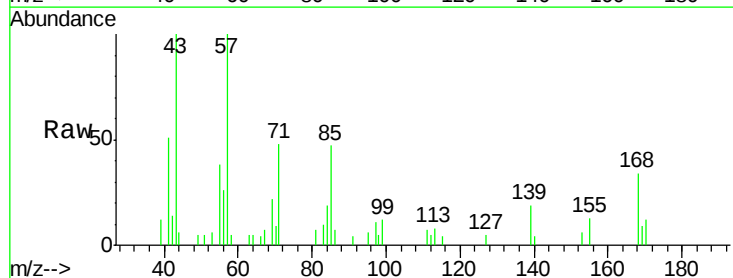
Tgt Ion:168 Resp: 3732

Ion Ratio Lower Upper

168 100

139 55.1 31.4 47.0#

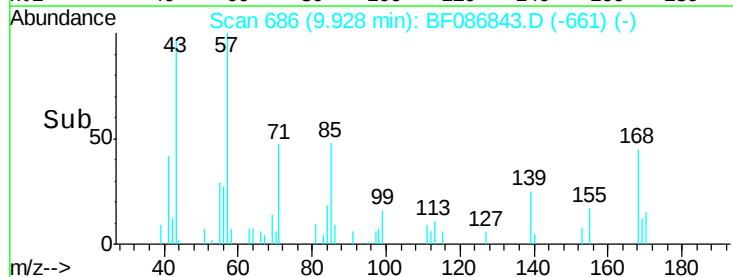
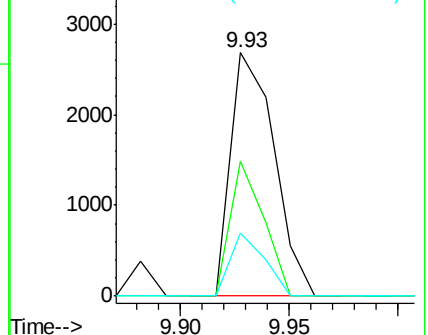
169 26.1 10.7 16.1#

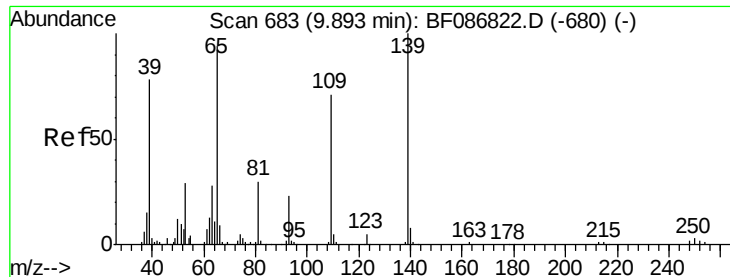


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 4.96 ng

RT: 9.93 min Scan# 686

Delta R.T. 0.03 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

Instrument :

BNA_F

ClientSampleId :

TP8-9.5FT

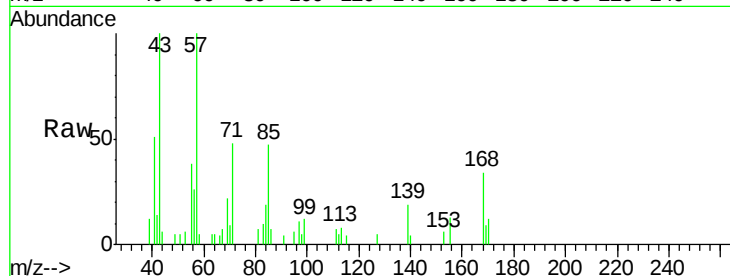
Tgt Ion:139 Resp: 1567

Ion Ratio Lower Upper

139 100

109 0.0 36.9 76.9#

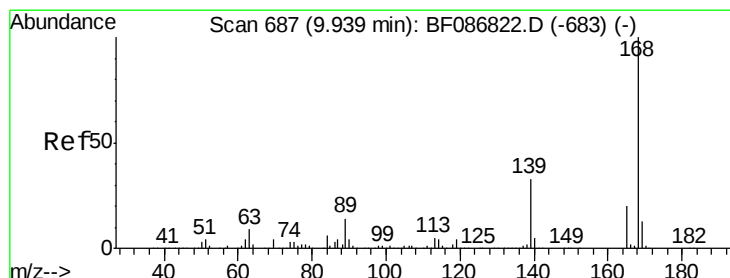
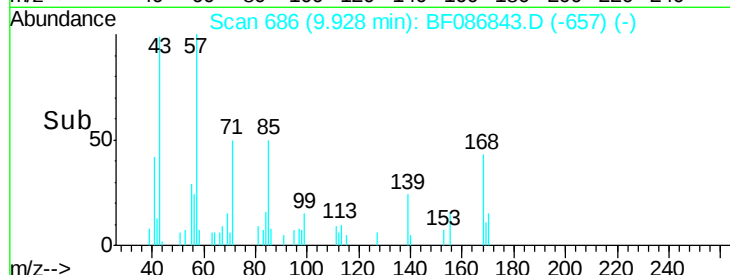
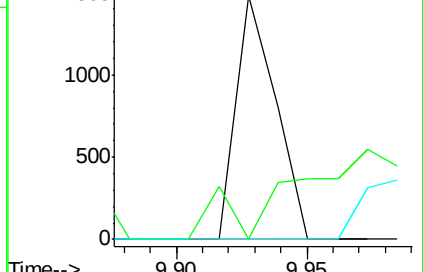
65 0.0 64.0 104.0#



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: 6.57 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.22 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

Tgt Ion:165 Resp: 43133

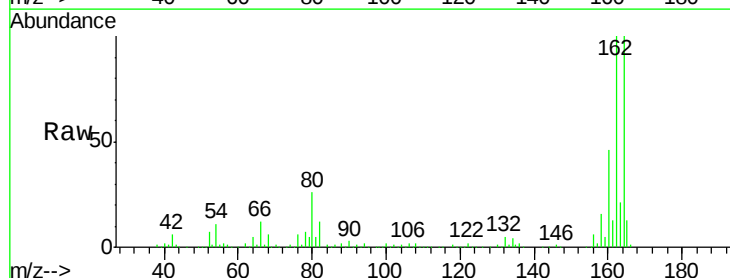
Ion Ratio Lower Upper

165 100

63 1.9 44.3 66.5#

89 1.7 70.0 105.0#

182 0.0 1.8 2.6#

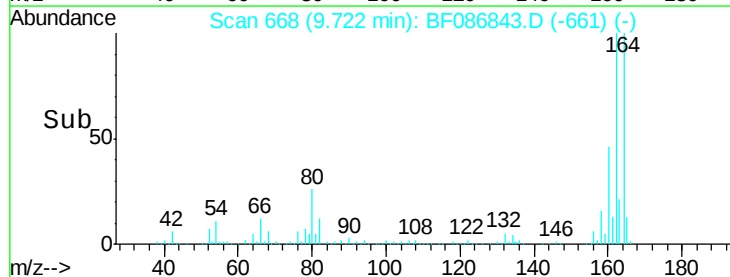
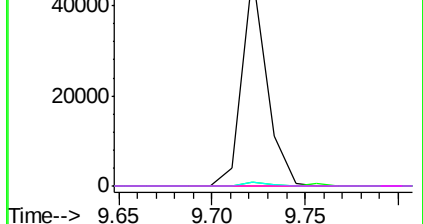


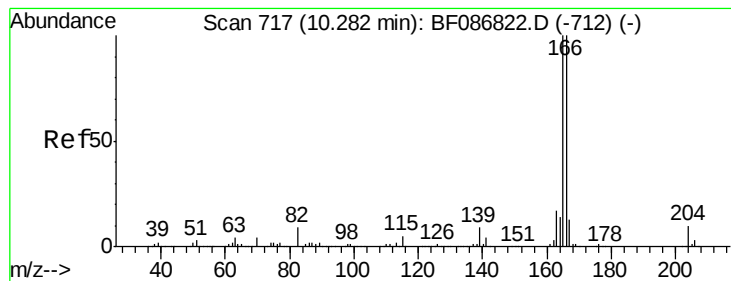
Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.36 ng

RT: 10.27 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

Instrument :

BNA_F

ClientSampleId :

TP8-9.5FT

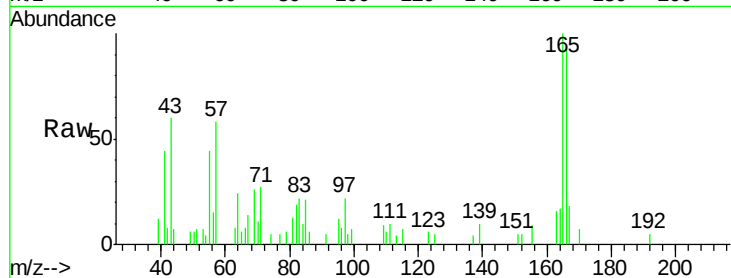
Tgt Ion:166 Resp: 7384

Ion Ratio Lower Upper

166 100

165 106.2 79.0 118.6

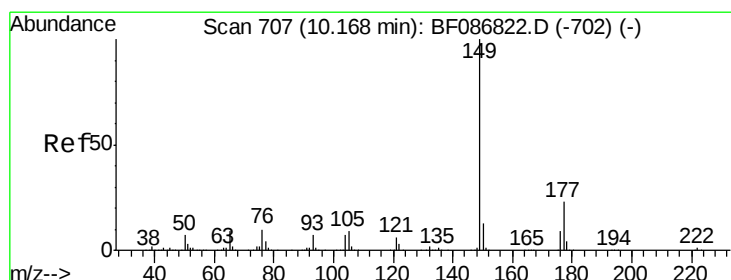
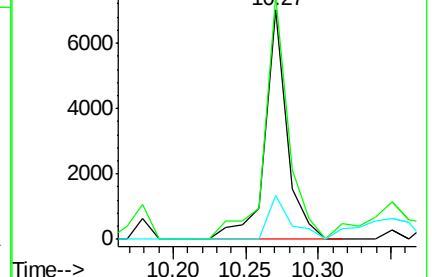
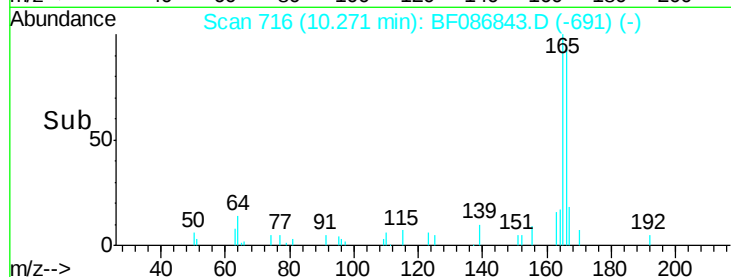
167 19.0 10.6 15.8#



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: 0.05 ng

RT: 10.16 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

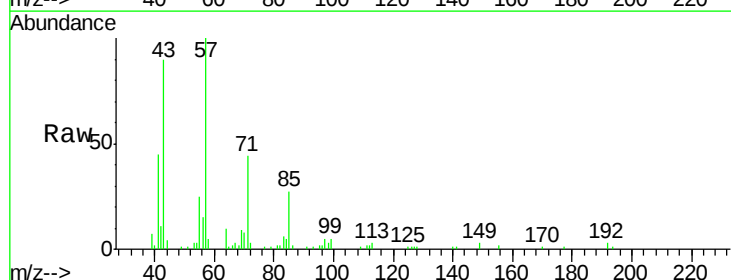
Tgt Ion:149 Resp: 1190

Ion Ratio Lower Upper

149 100

177 34.1 16.6 24.8#

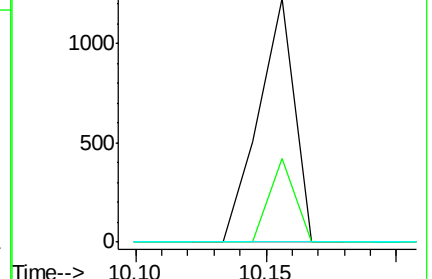
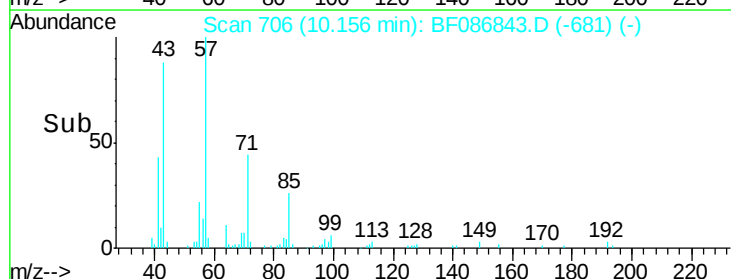
150 0.0 10.0 15.0#

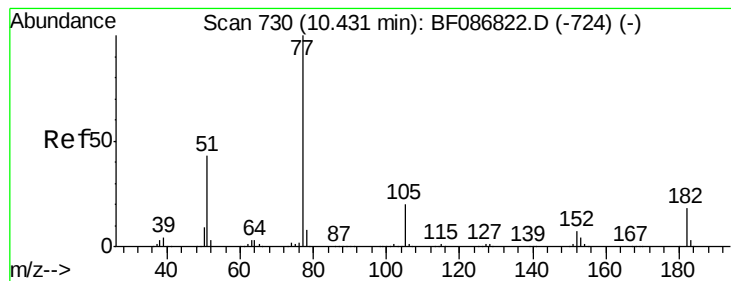


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.05 ng

RT: 10.37 min Scan# 725

Delta R.T. -0.06 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

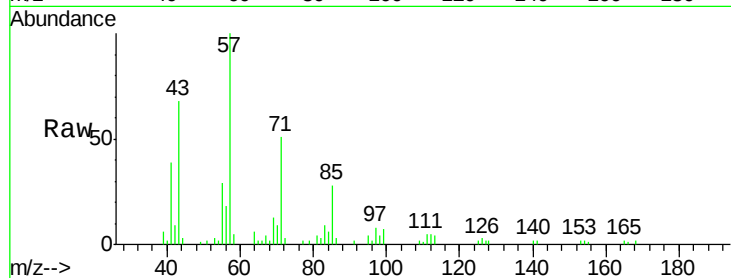
Instrument :

BNA_F

ClientSampleId :

TP8-9.5FT

Tgt Ion:	77	Resp:	1367
Ion	Ratio	Lower	Upper
77	100		
182	0.0	0.0	38.8
105	0.0	3.2	43.2#
51	86.4	8.8	48.8#

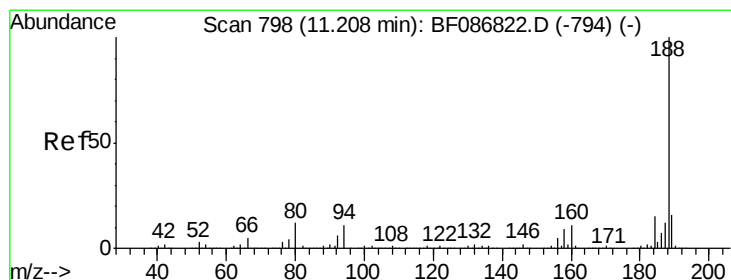
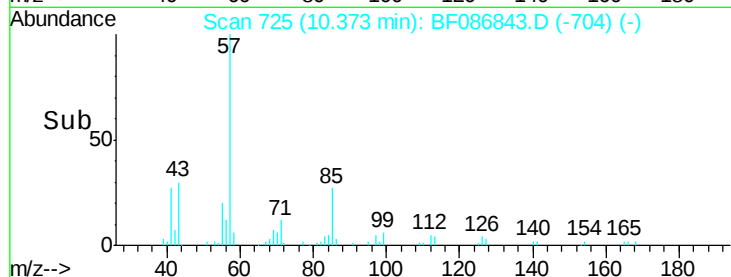
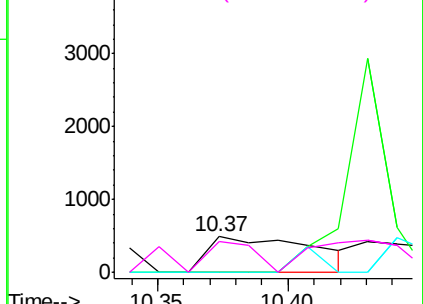


Abundance Ion 77.00 (76.70 to 77.70): BF0

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

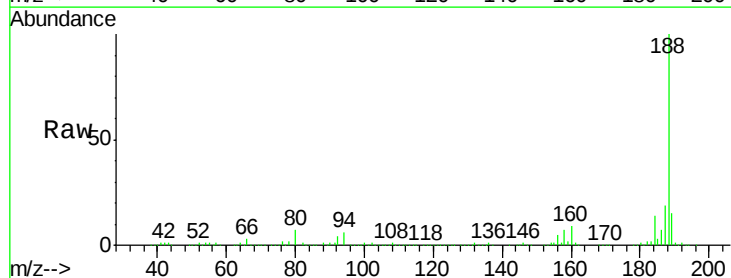
RT: 11.21 min Scan# 798

Delta R.T. 0.00 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

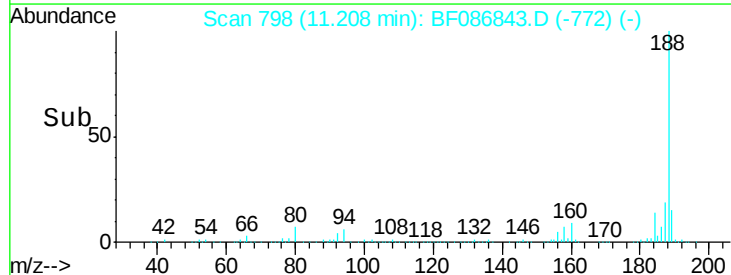
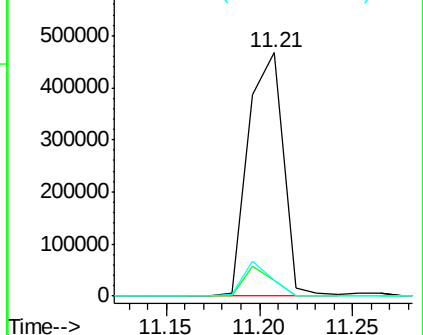
Tgt Ion:	188	Resp:	606045
Ion	Ratio	Lower	Upper
188	100		
94	6.4	6.8	10.2#
80	6.6	7.1	10.7#

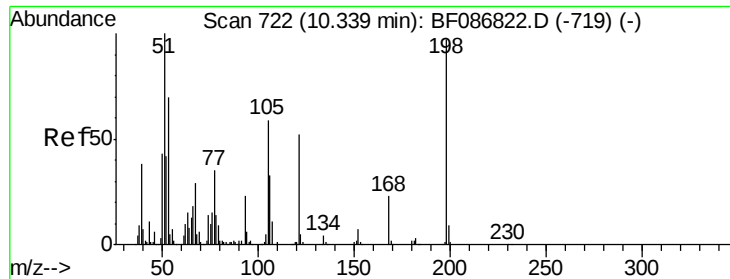


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

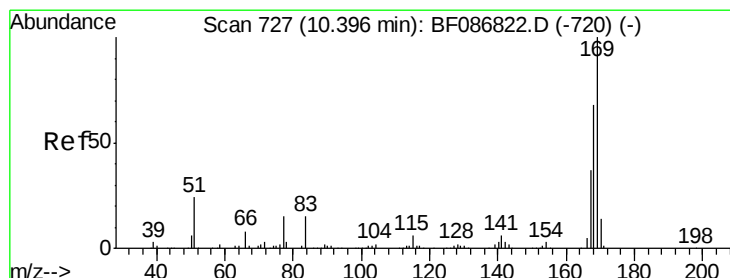
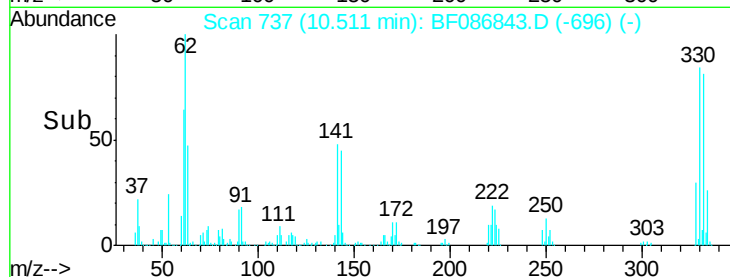
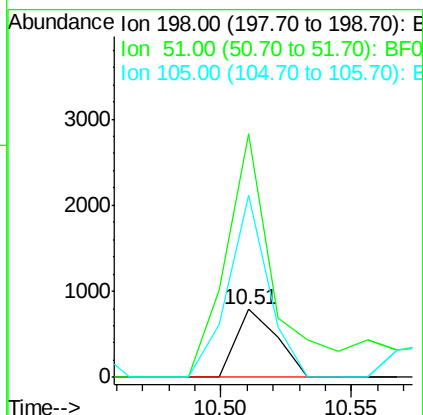
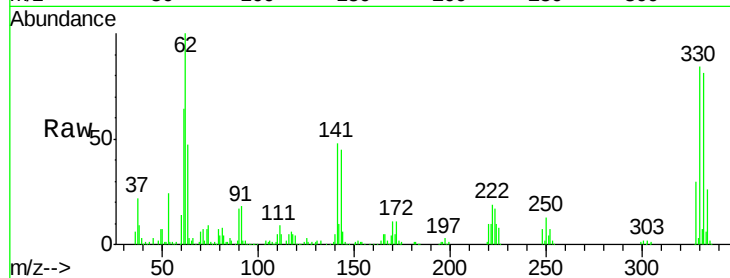




#64
 4,6-Dinitro-2-methylphenol
 Concen: 0.23 ng
 RT: 10.51 min Scan# 737
 Delta R.T. 0.17 min
 Lab File: BF086843.D
 Acq: 10 May 2016 1:54

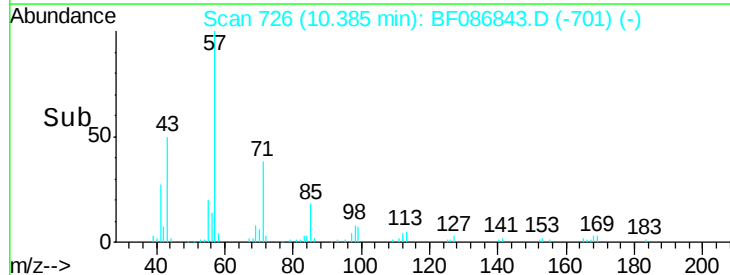
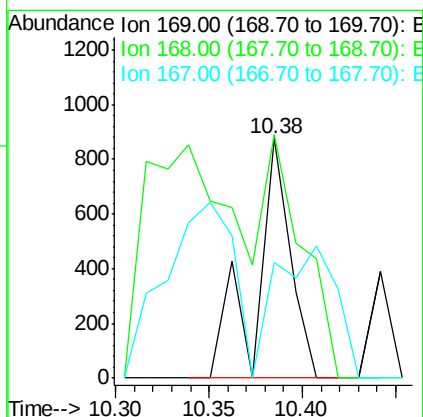
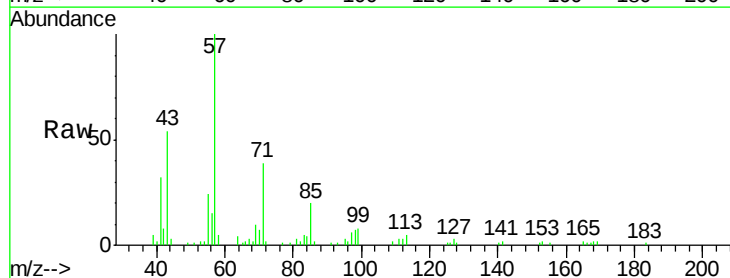
Instrument :
 BNA_F
 ClientSampleId :
 TP8-9.5FT

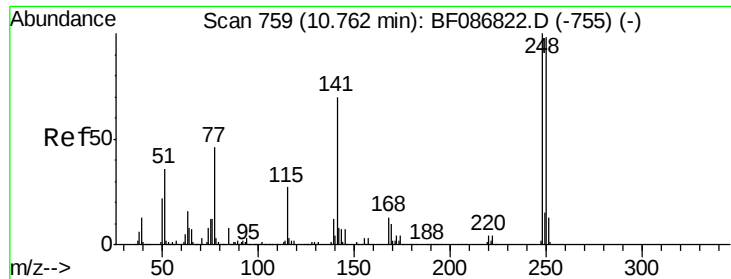
Tgt Ion:198 Resp: 862
 Ion Ratio Lower Upper
 198 100
 51 357.1 20.5 60.5#
 105 267.2 24.5 64.5#



#65
 n-Nitrosodiphenylamine
 Concen: 0.06 ng
 RT: 10.38 min Scan# 726
 Delta R.T. -0.01 min
 Lab File: BF086843.D
 Acq: 10 May 2016 1:54

Tgt Ion:169 Resp: 1110
 Ion Ratio Lower Upper
 169 100
 168 101.8 53.8 80.6#
 167 48.2 29.5 44.3#

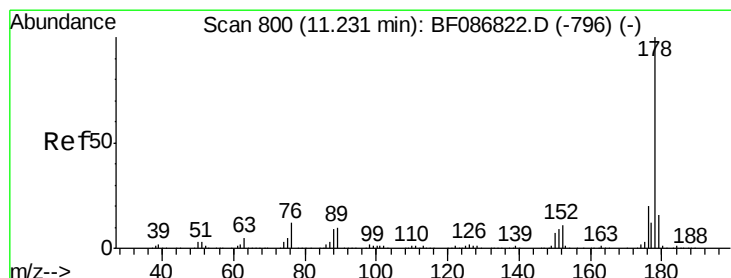
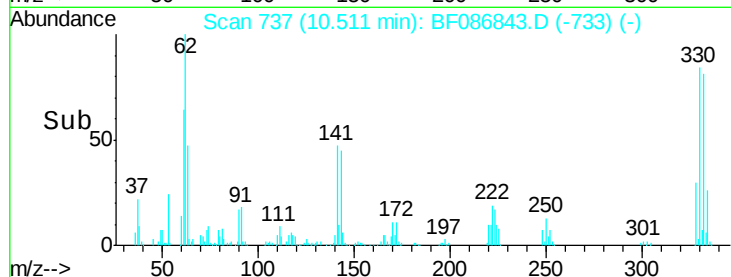
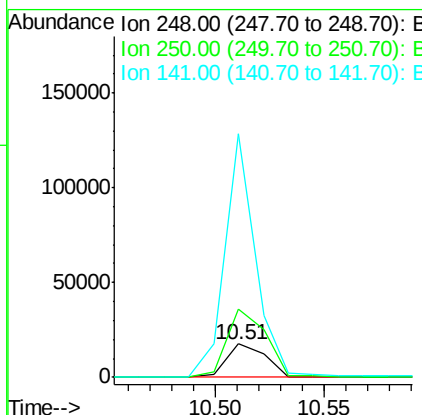
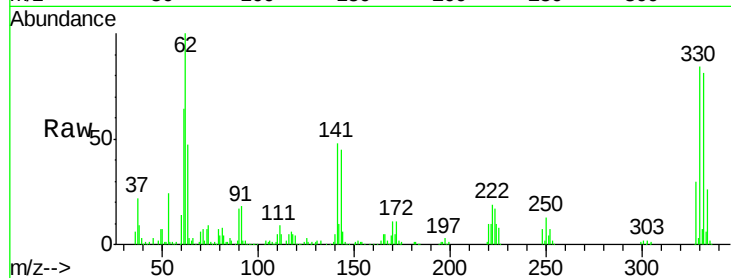




#66
 4-Bromophenyl-phenylether
 Concen: 3.56 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.25 min
 Lab File: BF086843.D
 Acq: 10 May 2016 1:54

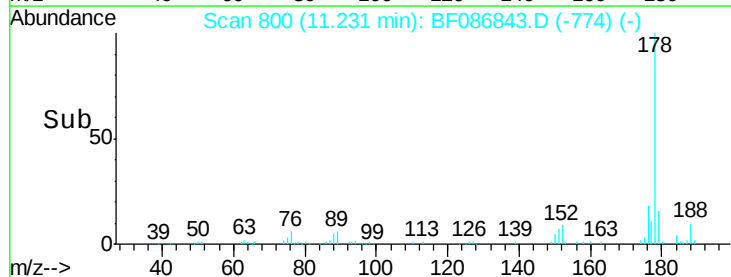
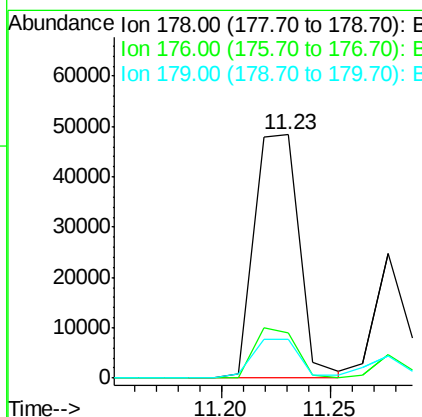
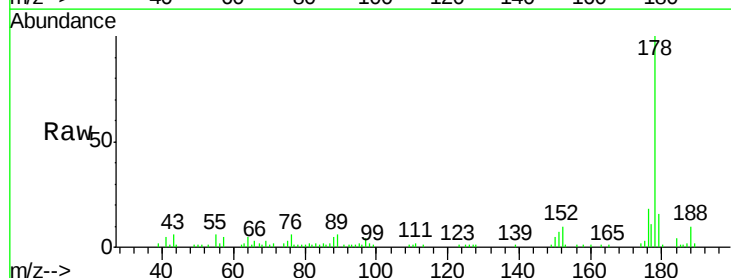
Instrument :
 BNA_F
 ClientSampleId :
 TP8-9.5FT

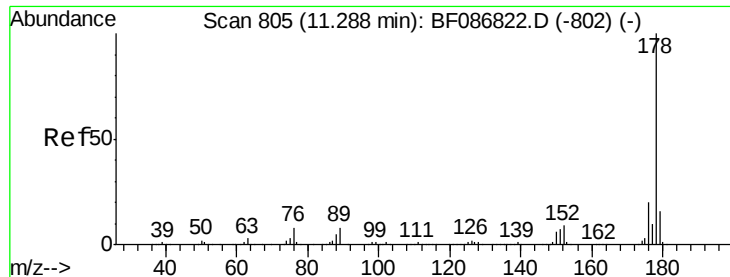
Tgt Ion:248 Resp: 21874
 Ion Ratio Lower Upper
 248 100
 250 203.5 78.6 117.8#
 141 726.4 76.0 114.0#



#70
 Phenanthrene
 Concen: 2.16 ng
 RT: 11.23 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF086843.D
 Acq: 10 May 2016 1:54

Tgt Ion:178 Resp: 69762
 Ion Ratio Lower Upper
 178 100
 176 18.3 16.0 24.0
 179 15.7 12.6 18.8

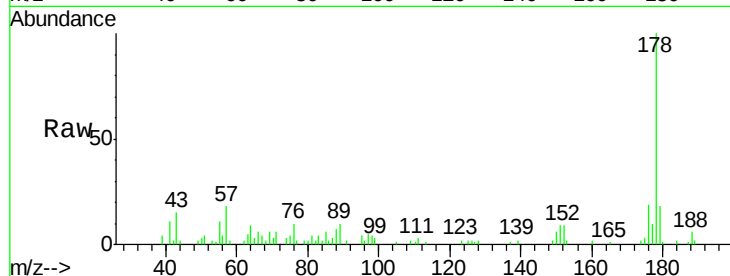




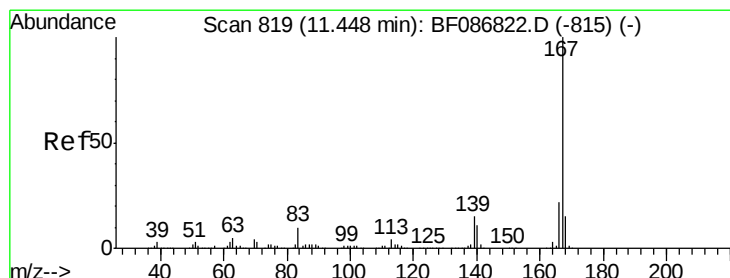
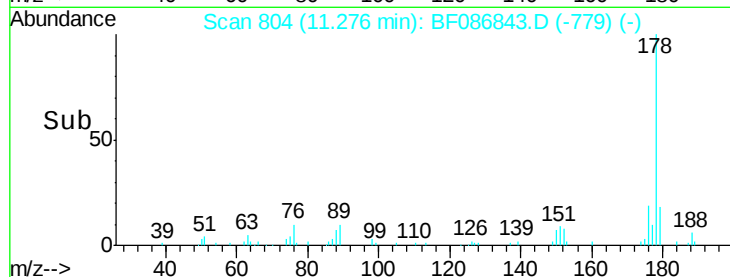
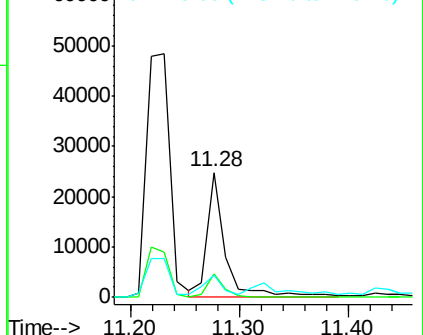
#71
 Anthracene
 Concen: 0.91 ng
 RT: 11.28 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF086843.D
 Acq: 10 May 2016 1:54

Instrument :
 BNA_F
 ClientSampleId :
 TP8-9.5FT

Tgt Ion:178 Resp: 30118
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.6 23.4
 179 17.7 12.7 19.1

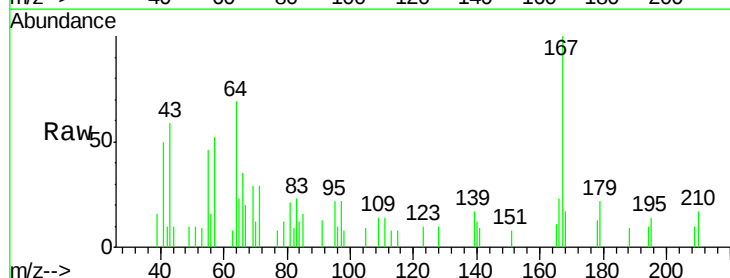


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

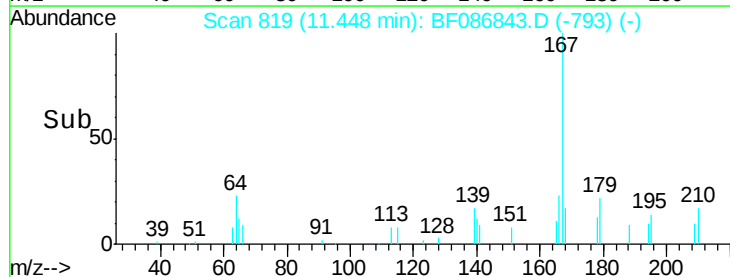
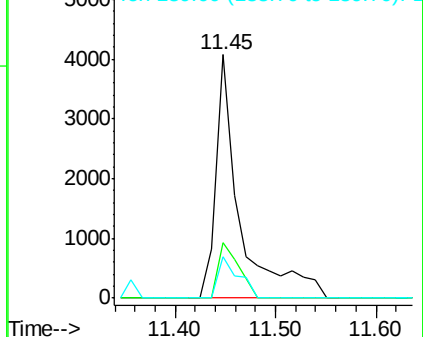


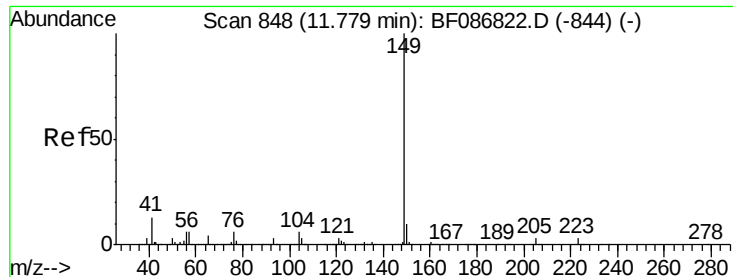
#72
 Carbazole
 Concen: 0.24 ng
 RT: 11.45 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BF086843.D
 Acq: 10 May 2016 1:54

Tgt Ion:167 Resp: 6740
 Ion Ratio Lower Upper
 167 100
 166 22.9 17.7 26.5
 139 17.0 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: 0.09 ng

RT: 11.77 min Scan# 847

Delta R.T. -0.01 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

Instrument :

BNA_F

ClientSampleId :

TP8-9.5FT

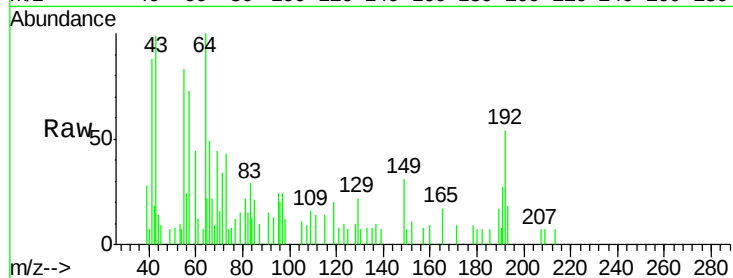
Tgt Ion:149 Resp: 3031

Ion Ratio Lower Upper

149 100

150 23.2 7.6 11.4#

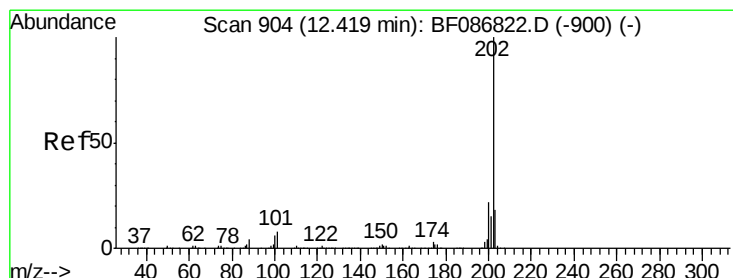
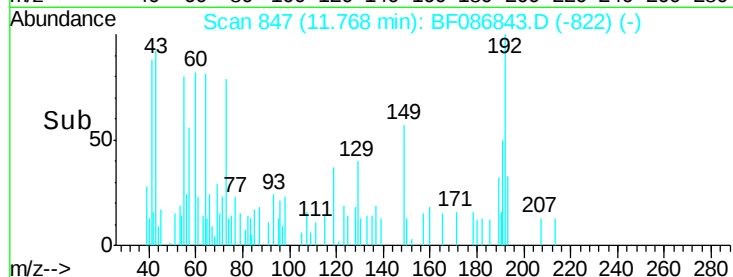
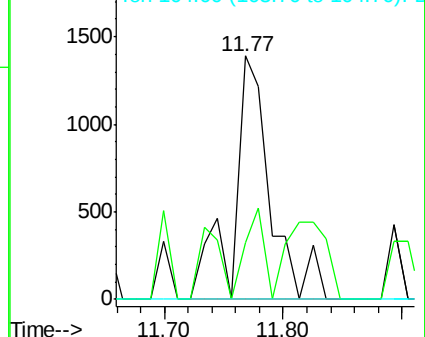
104 0.0 3.8 5.6#



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: 3.10 ng

RT: 12.41 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

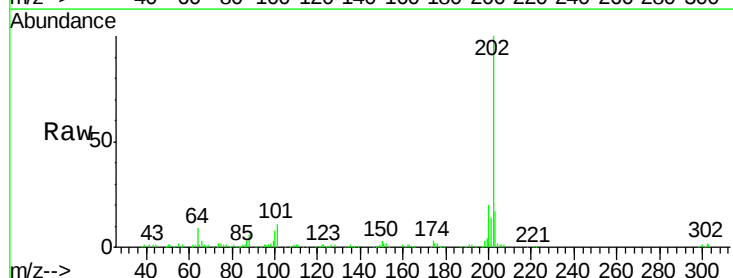
Tgt Ion:202 Resp: 103271

Ion Ratio Lower Upper

202 100

101 11.3 0.0 35.4

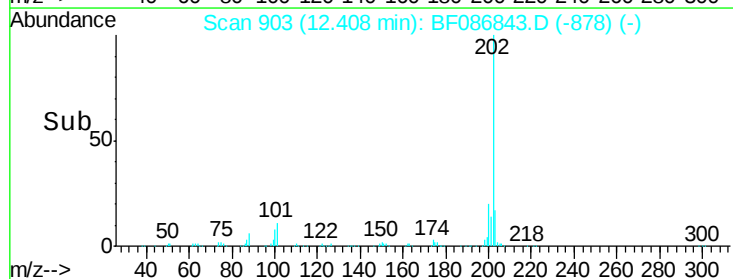
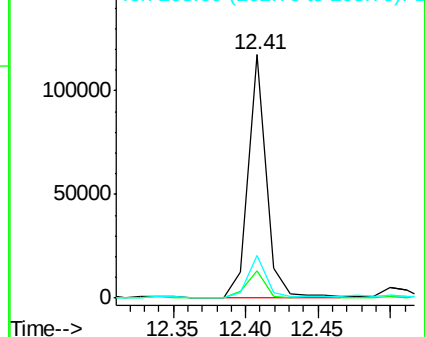
203 17.3 0.0 38.1

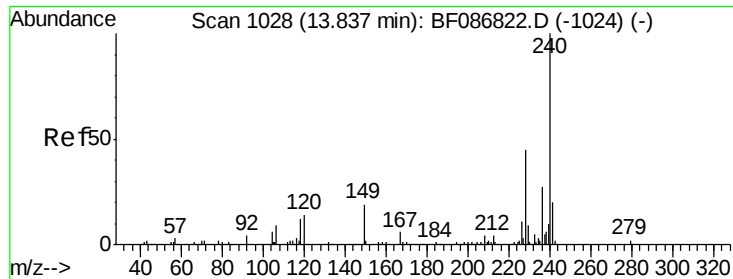


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.83 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

Instrument :

BNA_F

ClientSampleId :

TP8-9.5FT

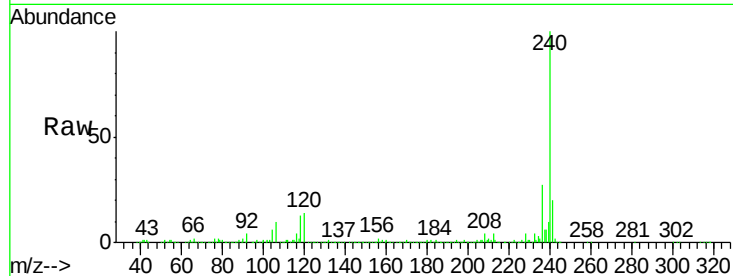
Tgt Ion:240 Resp: 378334

Ion Ratio Lower Upper

240 100

120 14.3 11.2 16.8

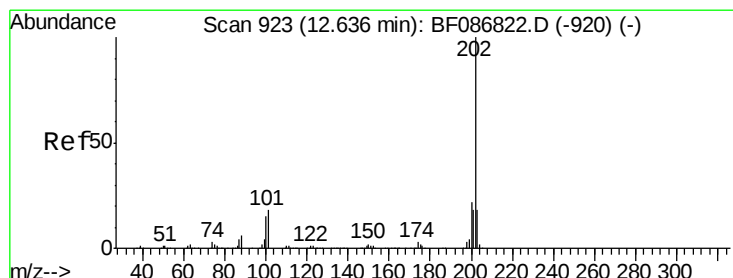
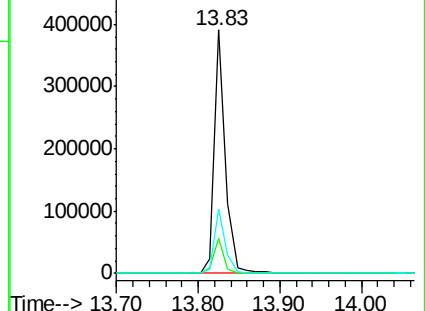
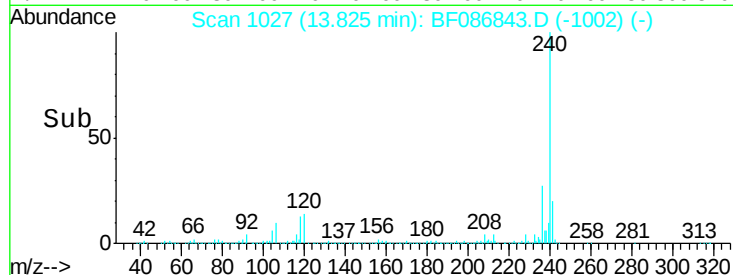
236 26.6 21.2 31.8



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: 2.88 ng

RT: 12.64 min Scan# 923

Delta R.T. 0.00 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

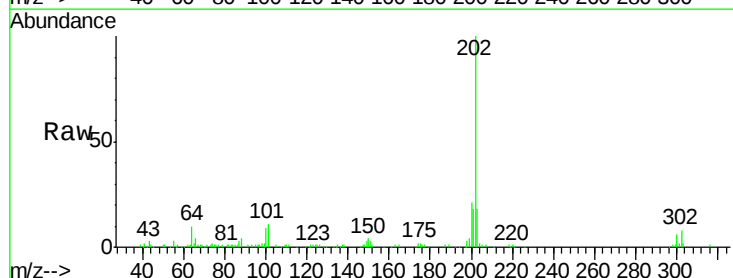
Tgt Ion:202 Resp: 83513

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

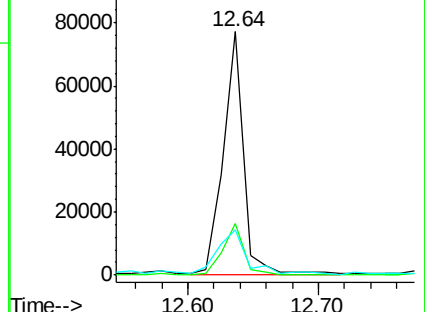
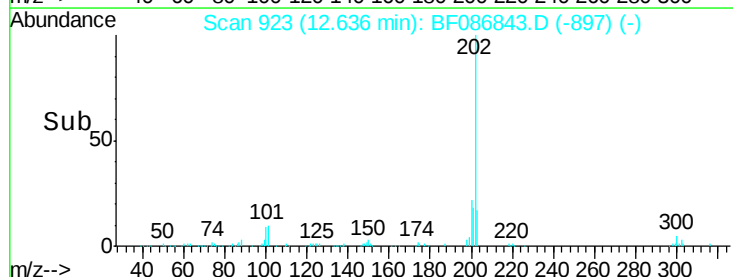
203 18.3 14.2 21.4

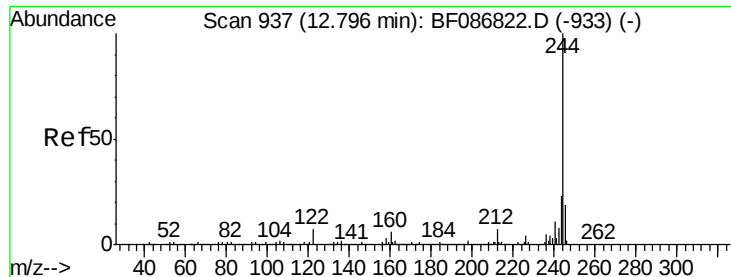


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.64 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

Instrument :

BNA_F

ClientSampleId :

TP8-9.5FT

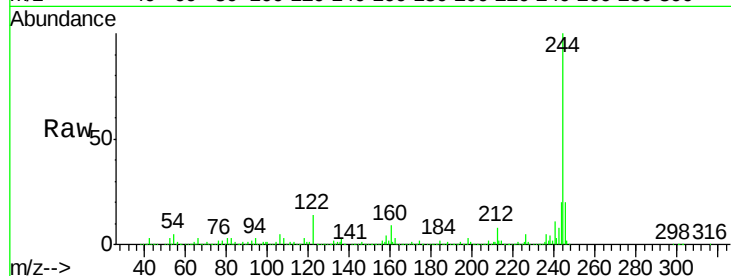
Tgt Ion:244 Resp: 1009910

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

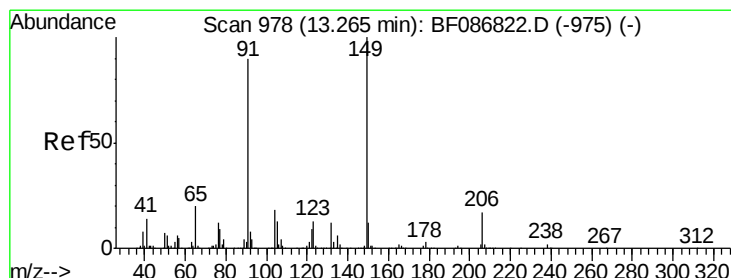
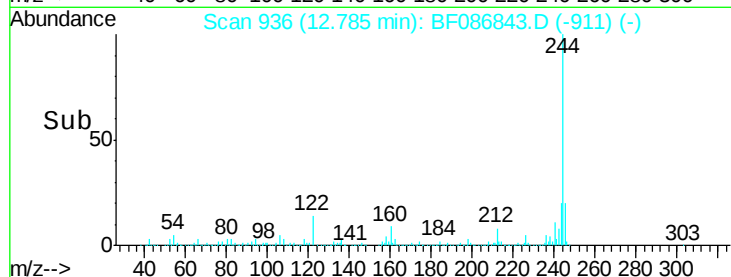
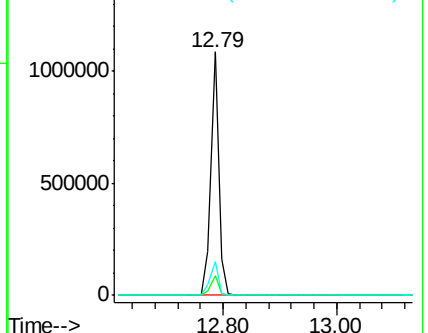
122 13.7 12.0 18.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.17 ng

RT: 13.27 min Scan# 978

Delta R.T. 0.00 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

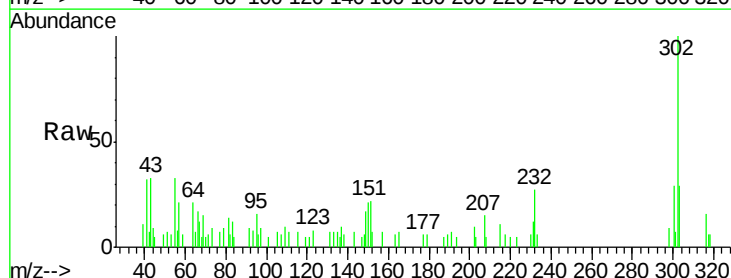
Tgt Ion:149 Resp: 2075

Ion Ratio Lower Upper

149 100

91 52.7 48.0 72.0

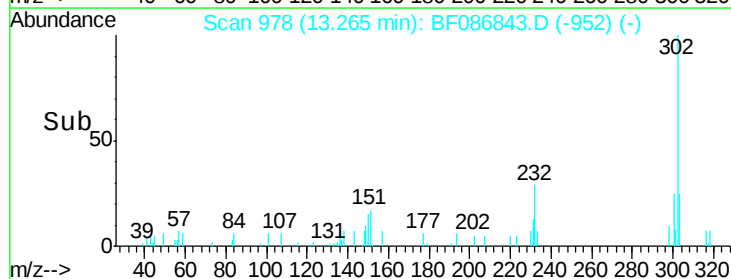
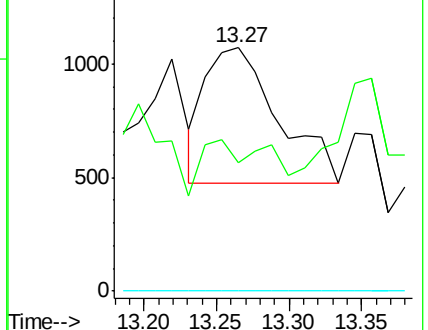
206 0.0 15.8 23.6#

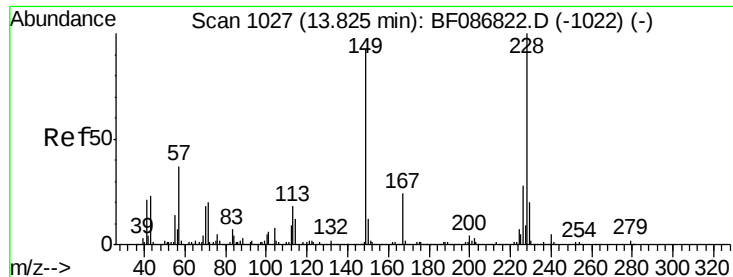


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 1.85 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

Instrument :

BNA_F

ClientSampleId :

TP8-9.5FT

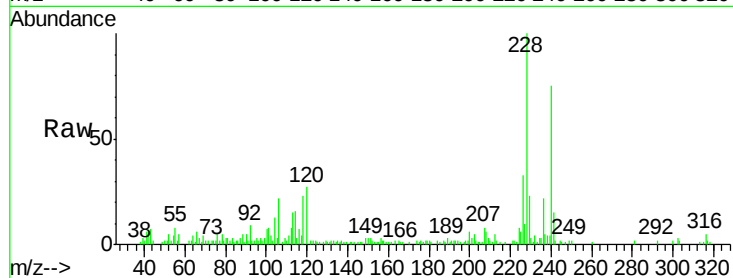
Tgt Ion:228 Resp: 39225

Ion Ratio Lower Upper

228 100

226 32.8 22.5 33.7

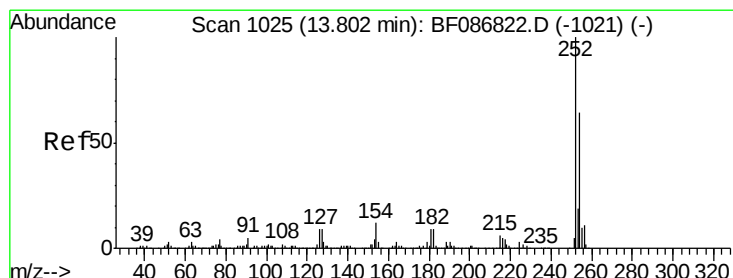
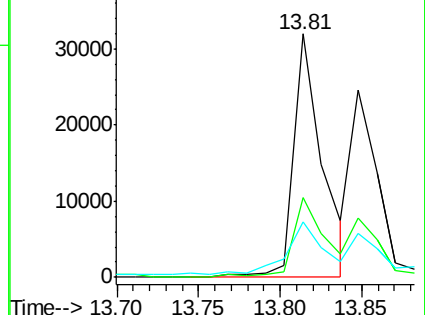
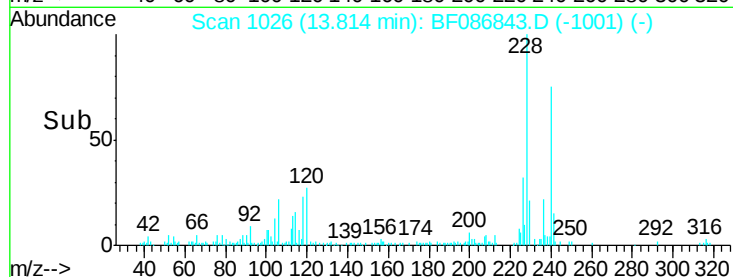
229 22.8 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 0.02 ng

RT: 13.87 min Scan# 1031

Delta R.T. 0.07 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

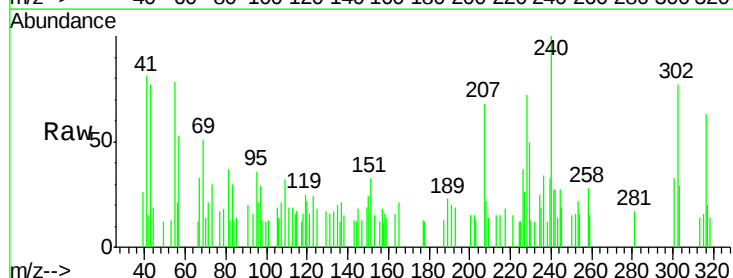
Tgt Ion:252 Resp: 286

Ion Ratio Lower Upper

252 100

254 102.2 50.7 76.1#

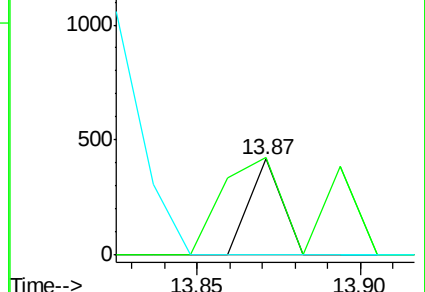
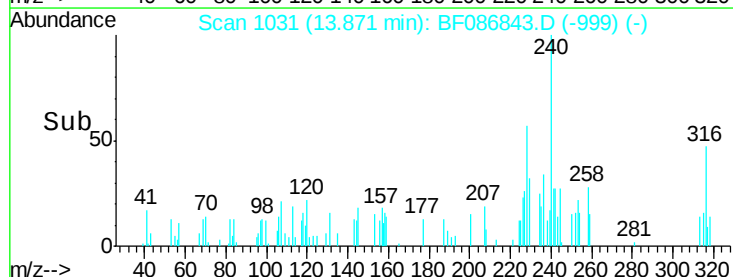
126 0.0 12.7 19.1#

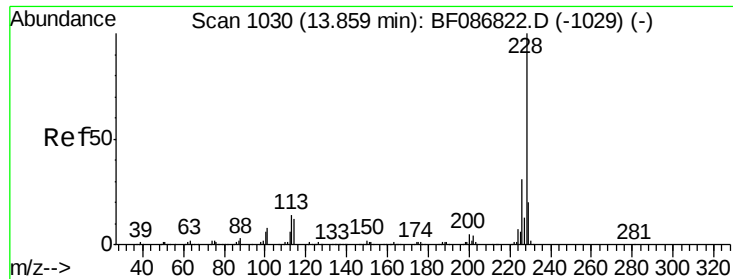


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 1.31 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

Instrument :

BNA_F

ClientSampleId :

TP8-9.5FT

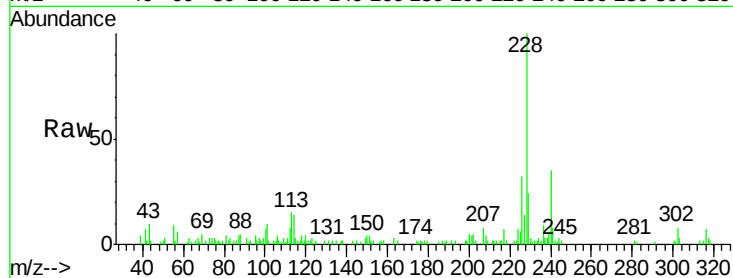
Tgt Ion:228 Resp: 28351

Ion Ratio Lower Upper

228 100

226 31.6 24.4 36.6

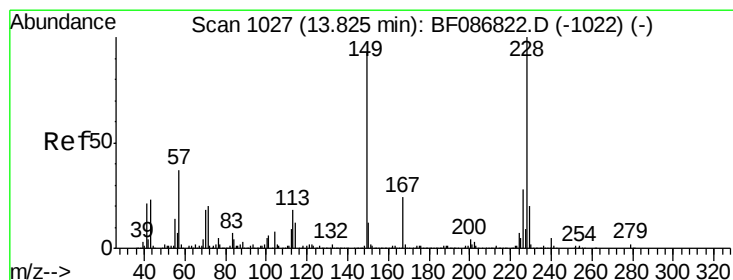
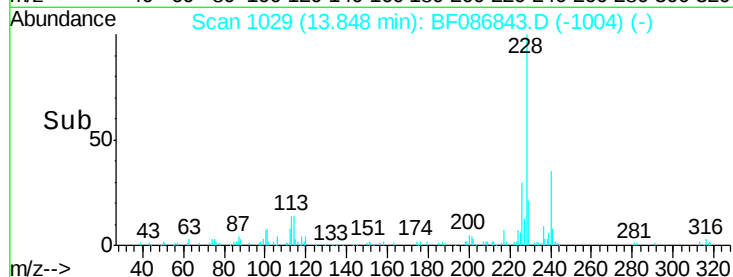
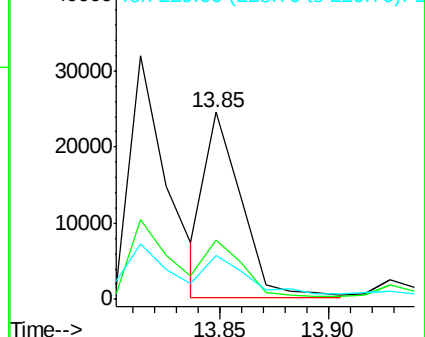
229 23.5 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.10 ng

RT: 13.83 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

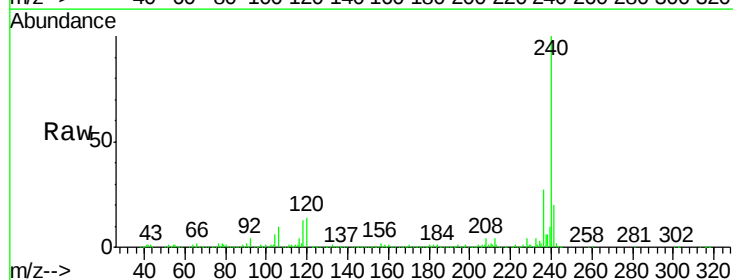
Tgt Ion:149 Resp: 1544

Ion Ratio Lower Upper

149 100

167 55.5 21.8 32.6#

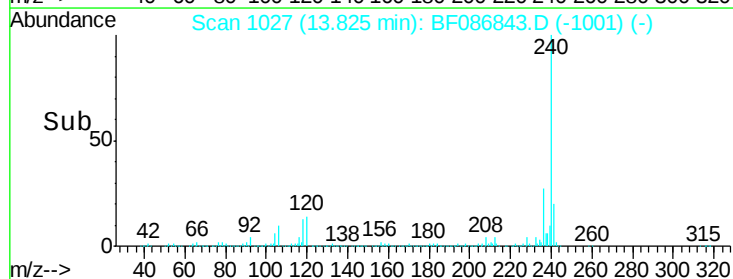
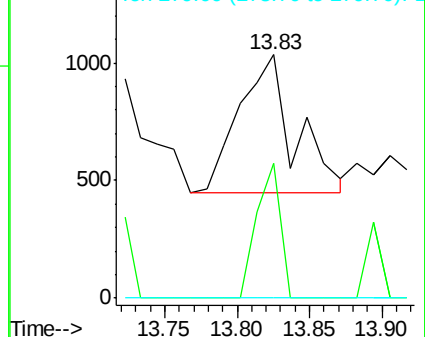
279 0.0 2.6 4.0#

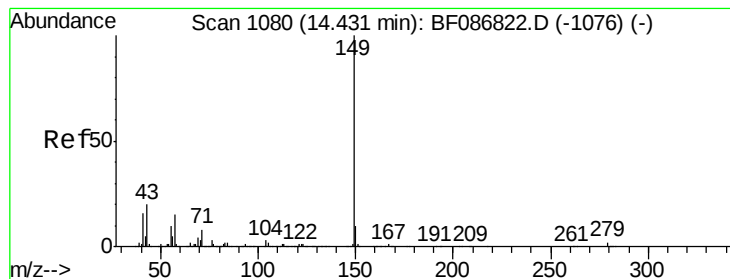


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.02 ng

RT: 14.45 min Scan# 1082

Delta R.T. 0.02 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

Instrument :

BNA_F

ClientSampleId :

TP8-9.5FT

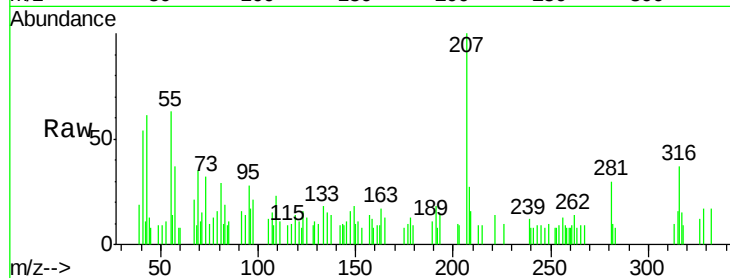
Tgt Ion:149 Resp: 459

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

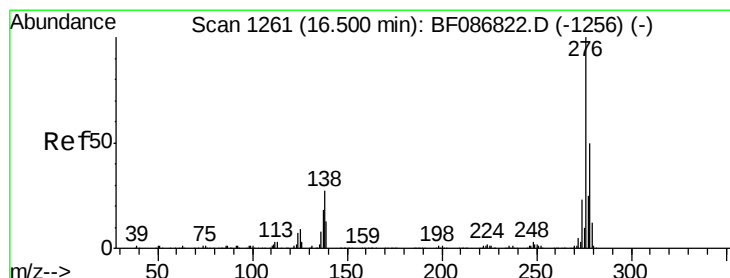
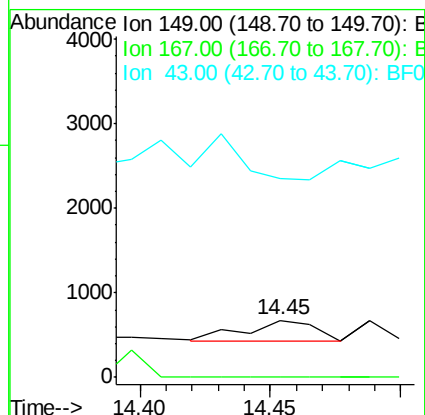
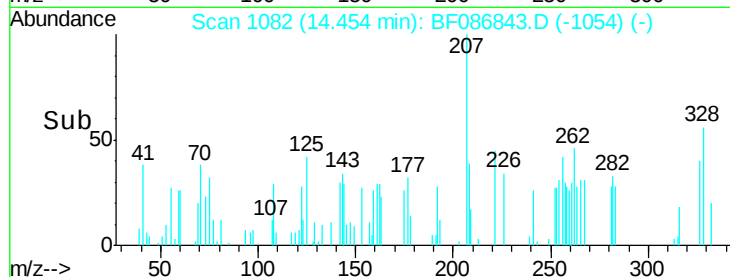
43 0.0 8.2 12.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BFO



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.75 ng

RT: 16.49 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

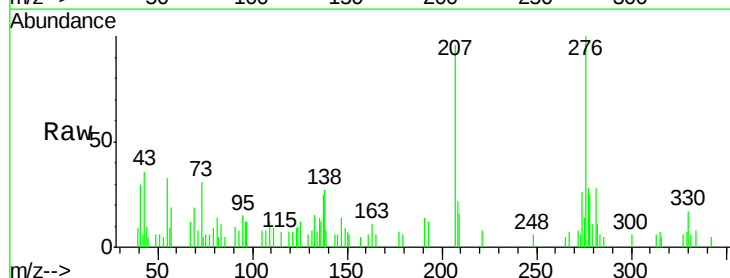
Tgt Ion:276 Resp: 13556

Ion Ratio Lower Upper

276 100

138 37.1 25.6 38.4

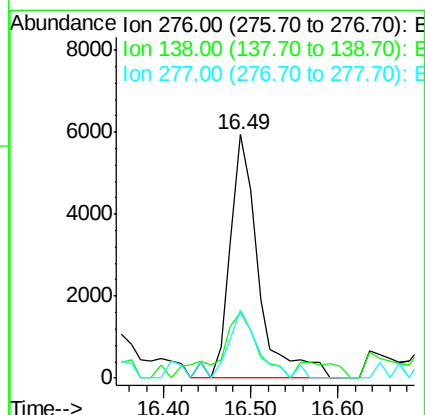
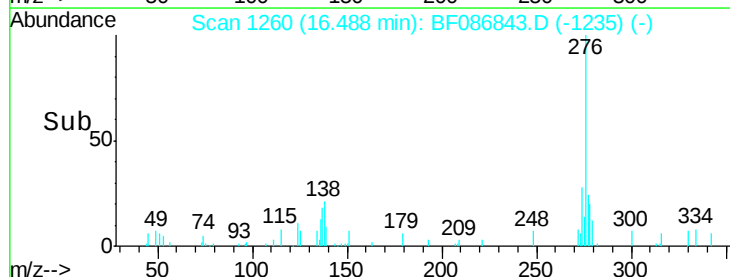
277 30.7 20.5 30.7

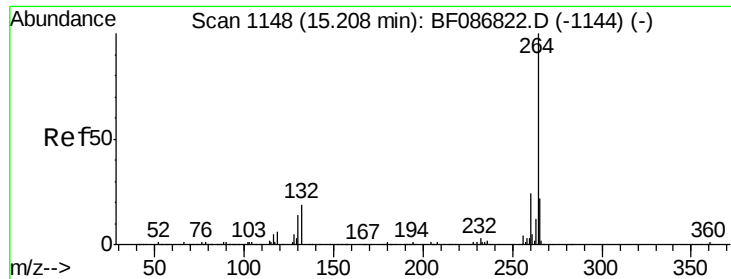


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.21 min Scan# 1148

Delta R.T. 0.00 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

Instrument :

BNA_F

ClientSampleId :

TP8-9.5FT

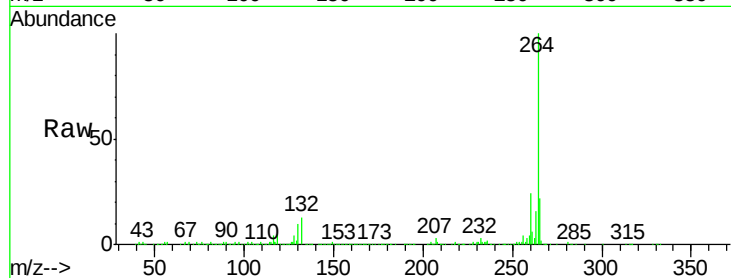
Tgt Ion:264 Resp: 346465

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

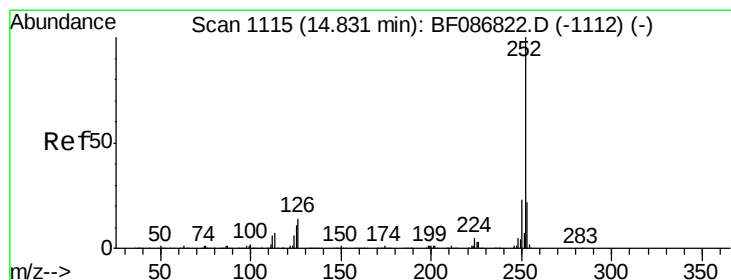
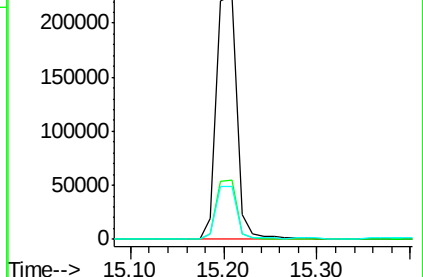
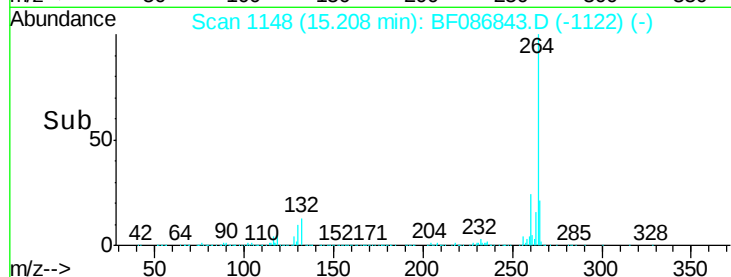
265 21.5 17.3 25.9



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



#87

Benzo(b)fluoranthene

Concen: 1.76 ng

RT: 14.83 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BF086843.D

Acq: 10 May 2016 1:54

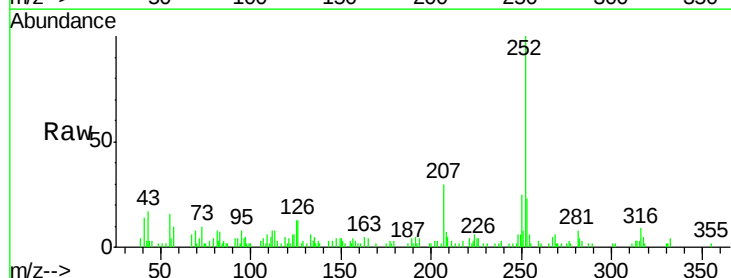
Tgt Ion:252 Resp: 39631

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

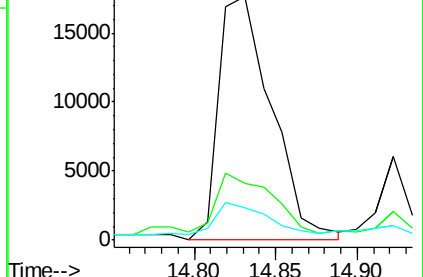
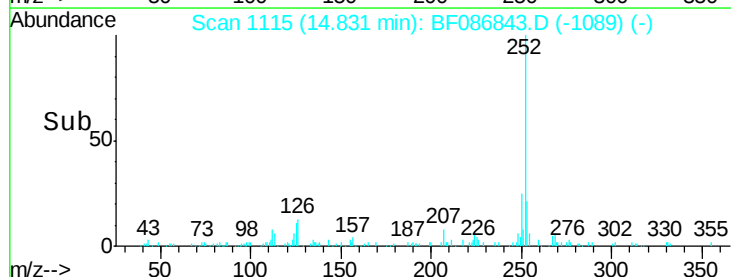
125 13.1 11.4 17.0

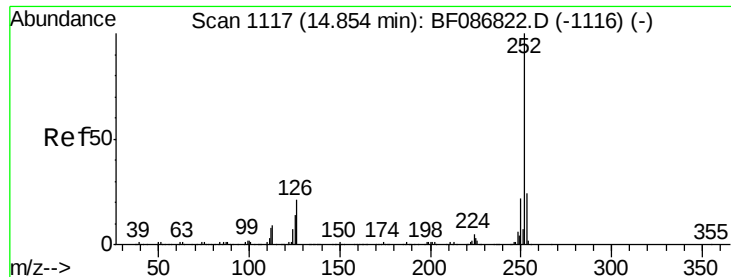


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

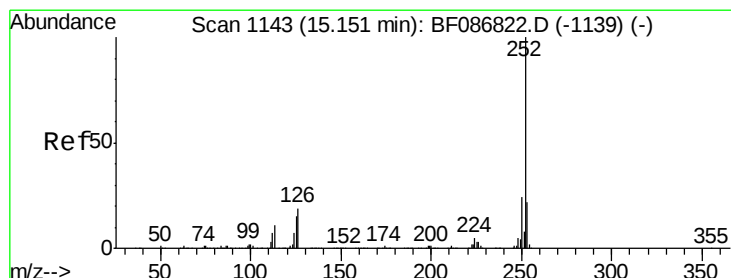
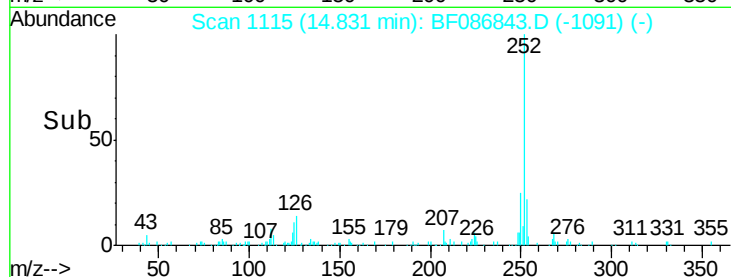
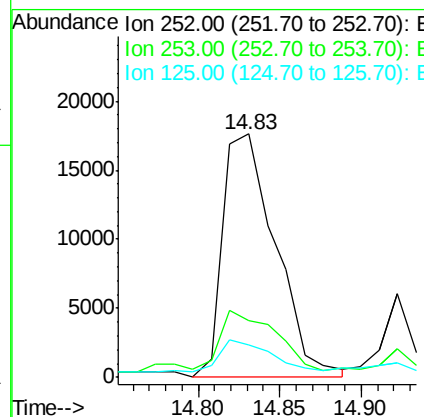
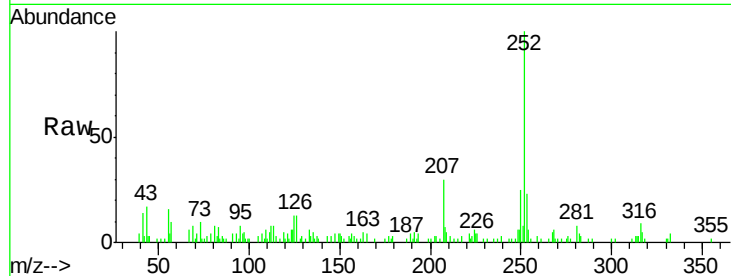




#88
Benzo(k)fluoranthene
Concen: 2.15 ng
RT: 14.83 min Scan# 1115
Delta R.T. -0.02 min
Lab File: BF086843.D
Acq: 10 May 2016 1:54

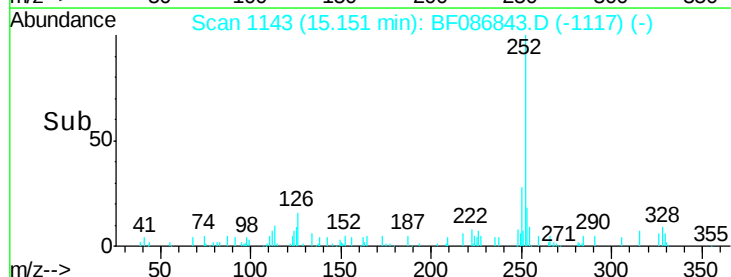
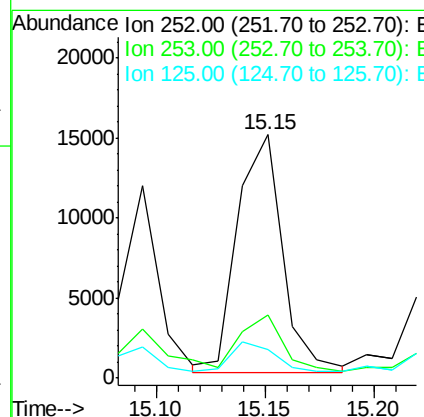
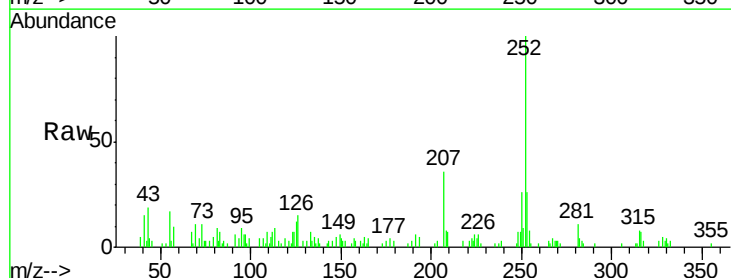
Instrument :
BNA_F
ClientSampleId :
TP8-9.5FT

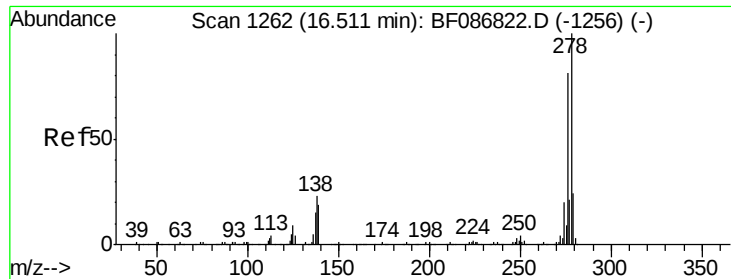
Tgt Ion: 252 Resp: 39631
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 13.1 9.1 13.7



#89
Benzo(a)pyrene
Concen: 1.11 ng
RT: 15.15 min Scan# 1143
Delta R.T. 0.00 min
Lab File: BF086843.D
Acq: 10 May 2016 1:54

Tgt Ion: 252 Resp: 21524
Ion Ratio Lower Upper
252 100
253 26.1 17.2 25.8#
125 11.6 9.0 13.6

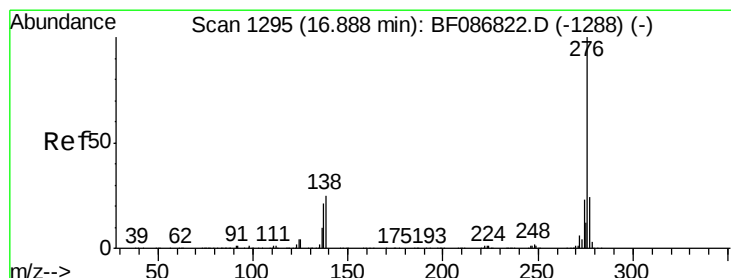
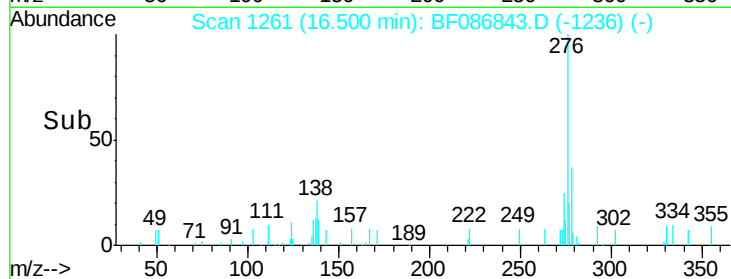
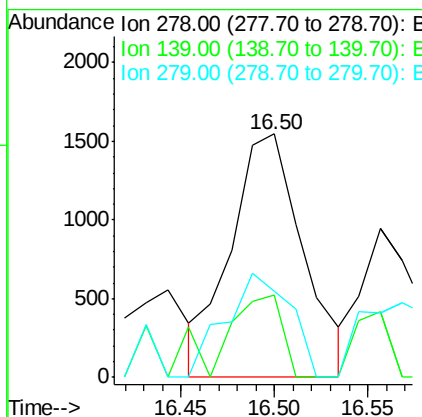
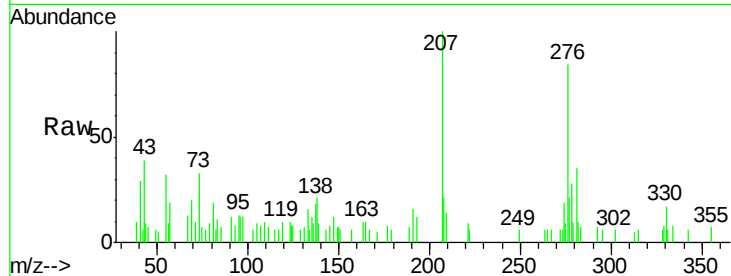




#90
 Dibenzo(a,h)anthracene
 Concen: 0.26 ng
 RT: 16.50 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: BF086843.D
 Acq: 10 May 2016 1:54

Instrument :
 BNA_F
 ClientSampleId :
 TP8-9.5FT

Tgt Ion: 278 Resp: 4180
 Ion Ratio Lower Upper
 278 100
 139 33.7 16.6 24.8#
 279 35.2 19.6 29.4#



#91
 Benzo(g,h,i)perylene
 Concen: 0.76 ng
 RT: 16.88 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: BF086843.D
 Acq: 10 May 2016 1:54

Tgt Ion: 276 Resp: 12567
 Ion Ratio Lower Upper
 276 100
 277 25.8 19.6 29.4
 138 22.4 23.6 35.4#

