

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021416\
 Data File : BF085071.D
 Acq On : 13 Feb 2016 7:20
 Operator : SJ/IZ
 Sample : H1409-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)

Quant Time: Feb 15 00:56:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 13 00:11:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.90	152	115578	20.00	ng	0.01
21) Naphthalene-d8	7.80	136	455495	20.00	ng	0.01
38) Acenaphthene-d10	10.58	164	260750	20.00	ng	0.00
63) Phenanthrene-d10	12.99	188	477364	20.00	ng	0.00
75) Chrysene-d12	17.18	240	309345	20.00	ng	0.00
86) Perylene-d12	18.80	264	247788	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.14	112	1111757	168.20	ng	-0.02
7) Phenol-d6	5.44	99	1386504	157.39	ng	0.00
23) Nitrobenzene-d5	6.73	82	974575	126.35	ng	0.01
41) 2,4,6-Tribromophenol	11.88	330	415839	154.40	ng	0.00
44) 2-Fluorobiphenyl	9.53	172	1614587	88.51	ng	0.00
78) Terphenyl-d14	15.63	244	1319922	87.82	ng	0.01

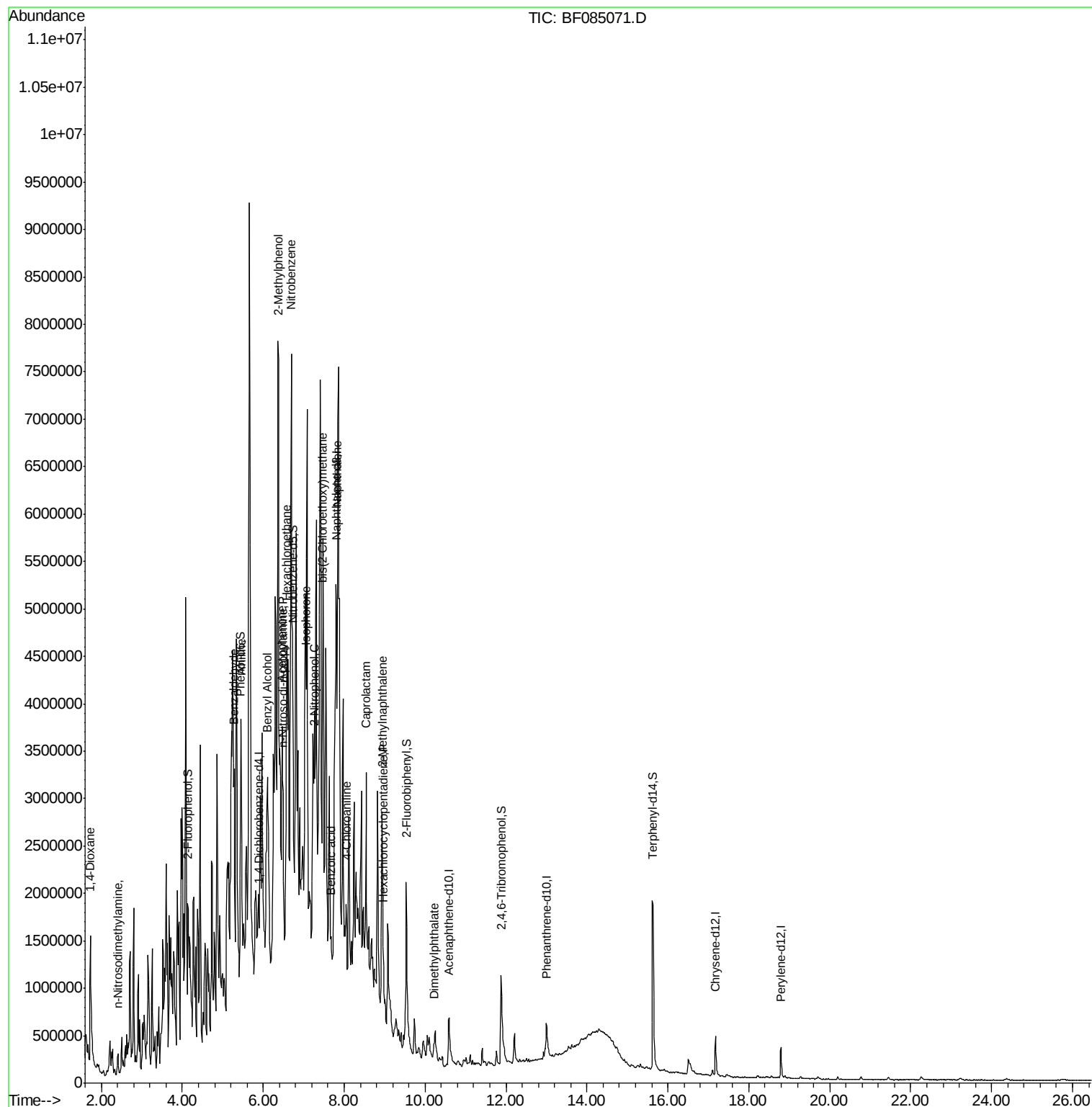
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.72	88	79702	29.27	ng	# 15
4) n-Nitrosodimethylamine	2.41	42	16490	5.04	ng	# 1
6) Aniline	5.45	93	16560	2.44	ng	# 1
9) Benzaldehyde	5.28	77	175629	37.01	ng	# 1
11) bis(2-Chloroethyl)ether	5.54	93	3848	Below Cal		# 1
15) Benzyl Alcohol	6.10	79	40246	7.48	ng	# 54
17) 2-Methylphenol	6.38	107	22134	3.76	ng	# 1
18) Hexachloroethane	6.58	117	284269	85.80	ng	# 1
19) n-Nitroso-di-n-propylamine	6.49	70	37463	6.75	ng	# 88
22) Acetophenone	6.47	105	1307526	112.00	ng	# 61
24) Nitrobenzene	6.70	77	506571	60.11	ng	# 23
25) Isophorone	7.06	82	40969	2.96	ng	# 1
26) 2-Nitrophenol	7.26	139	9051	2.24	ng	# 1
28) bis(2-Chloroethoxy)methane	7.47	93	33972	3.96	ng	# 1
31) Naphthalene	7.84	128	2025053	91.70	ng	# 86
32) Benzoic acid	7.67	122	4647	7.07	ng	# 1
33) 4-Chloroaniline	8.06	127	18402	2.20	ng	# 1
35) Caprolactam	8.55	113	53321	33.39	ng	# 1
37) 2-Methylnaphthalene	8.94	142	1642860	116.61	ng	# 97
40) Hexachlorocyclopentadiene	8.96	237	272	8.51	ng	# 26
49) Dimethylphthalate	10.22	163	286640	14.66	ng	# 97

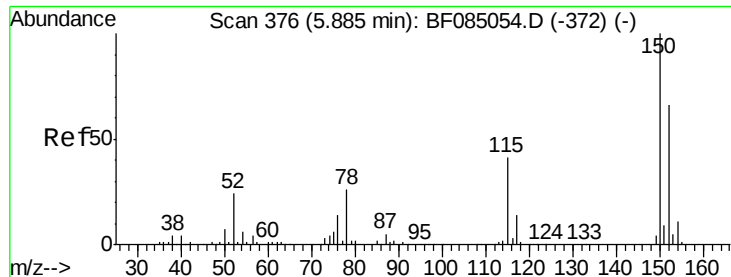
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.90 min Scan# 377

Delta R.T. 0.01 min

Lab File: BF085071.D

Acq: 13 Feb 2016 7:20

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)

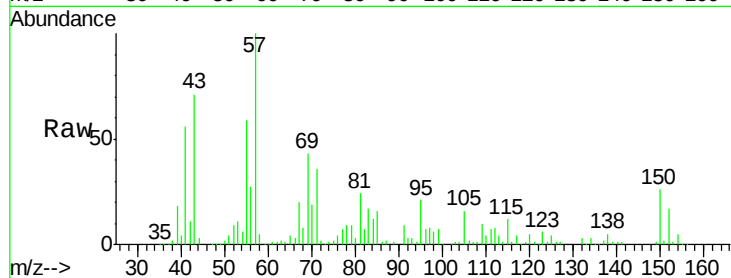
Tgt Ion: 152 Resp: 115578

Ion Ratio Lower Upper

152 100

150 151.2 127.4 191.2

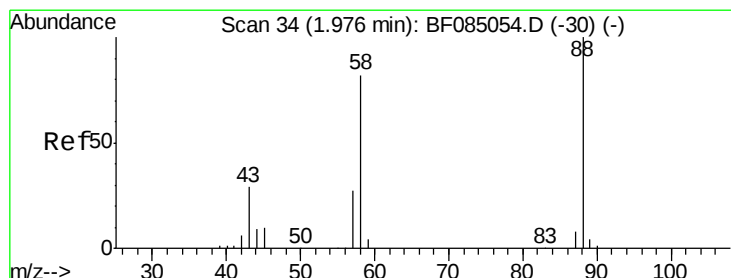
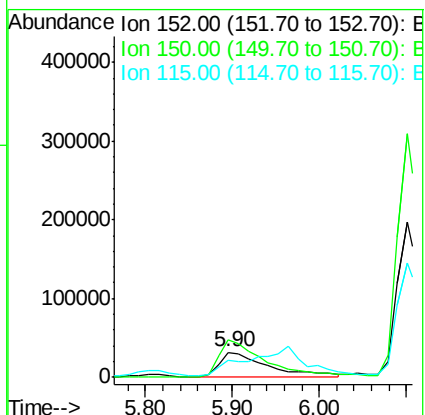
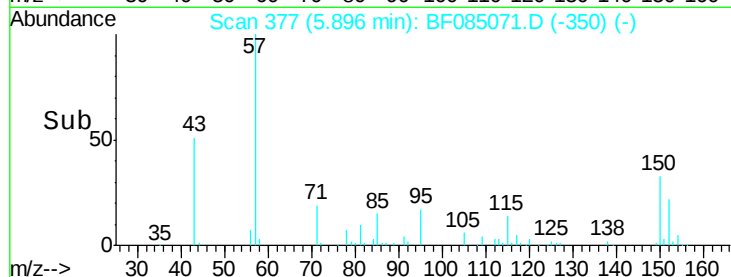
115 68.3 50.5 75.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 29.27 ng

RT: 1.72 min Scan# 12

Delta R.T. -0.25 min

Lab File: BF085071.D

Acq: 13 Feb 2016 7:20

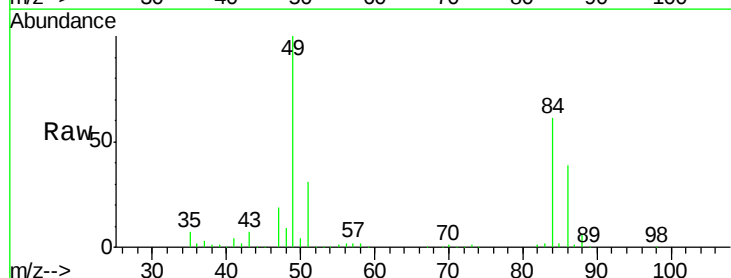
Tgt Ion: 88 Resp: 79702

Ion Ratio Lower Upper

88 100

58 0.0 70.9 106.3#

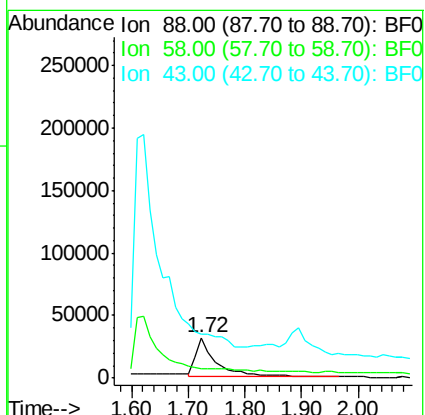
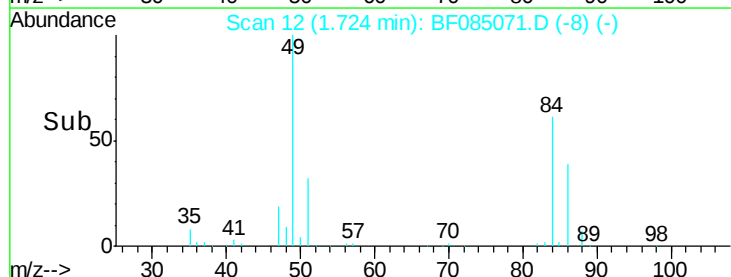
43 0.0 25.9 38.9#

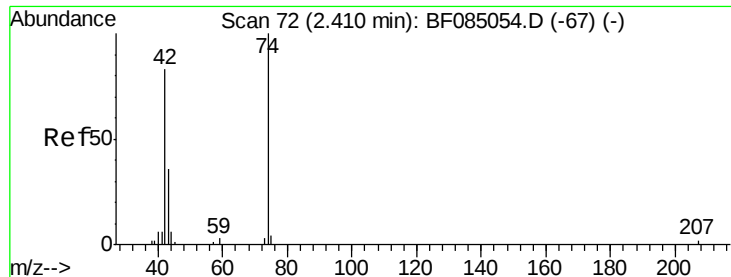


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 5.04 ng

RT: 2.41 min Scan# 72

Delta R.T. -0.00 min

Lab File: BF085071.D

Acq: 13 Feb 2016 7:20

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)

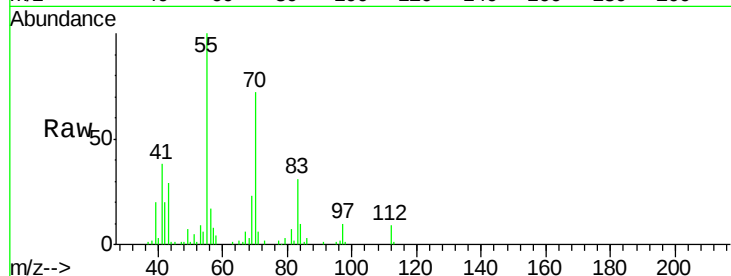
Tgt Ion: 42 Resp: 16490

Ion Ratio Lower Upper

42 100

74 0.0 96.2 144.4#

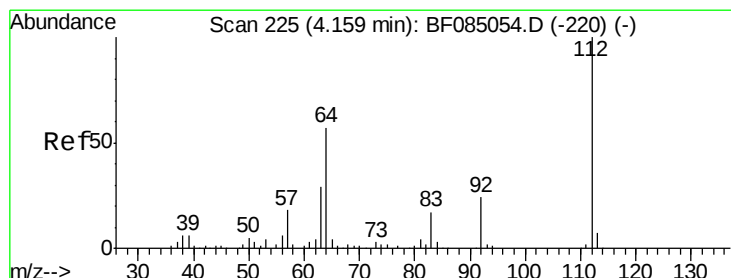
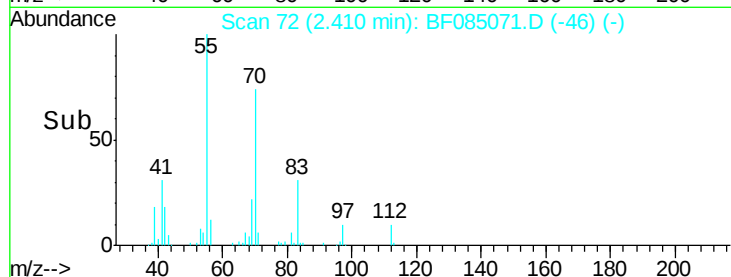
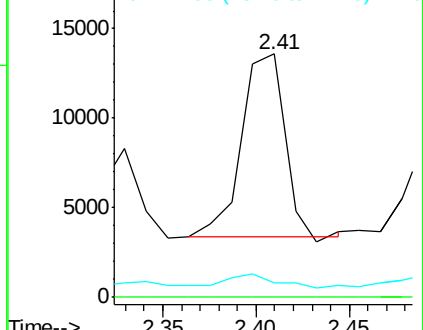
44 5.8 7.0 10.4#



Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0



#5

2-Fluorophenol

Concen: 168.20 ng

RT: 4.14 min Scan# 223

Delta R.T. -0.02 min

Lab File: BF085071.D

Acq: 13 Feb 2016 7:20

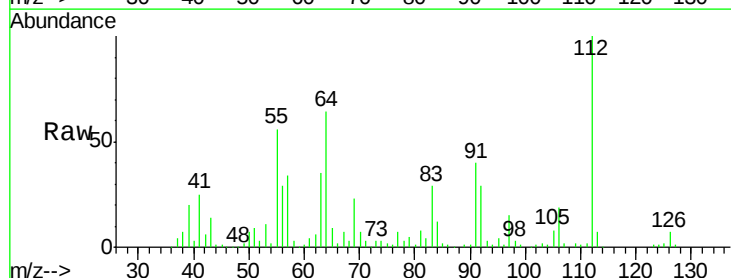
Tgt Ion: 112 Resp: 1111757

Ion Ratio Lower Upper

112 100

64 64.1 45.4 68.2

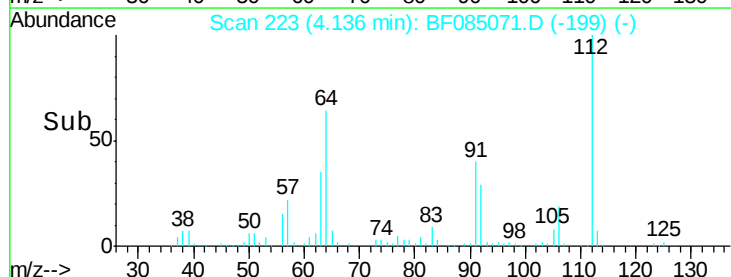
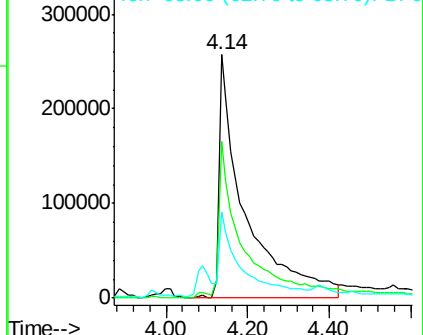
63 35.3 23.2 34.8#

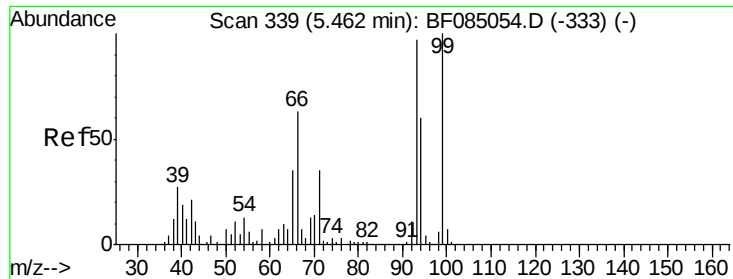


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 2.44 ng

RT: 5.45 min Scan# 338

Delta R.T. -0.01 min

Lab File: BF085071.D

Acq: 13 Feb 2016 7:20

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)

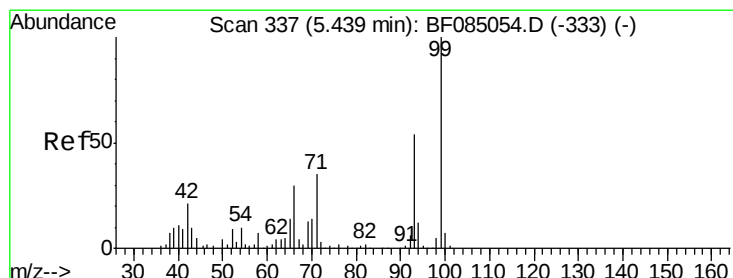
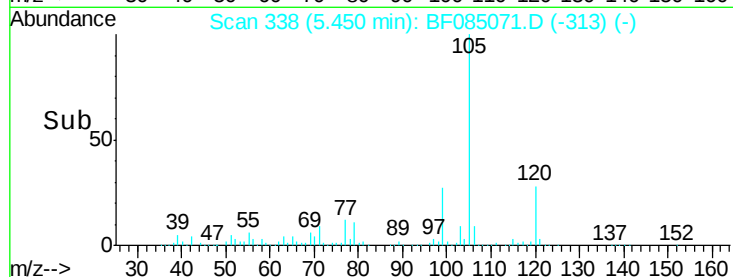
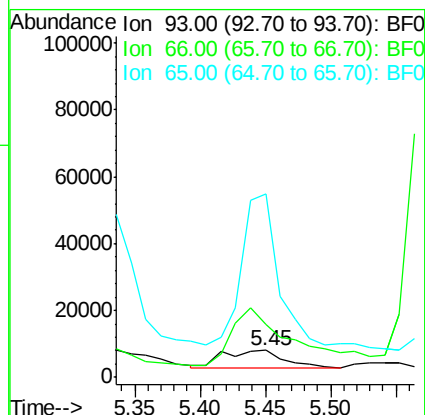
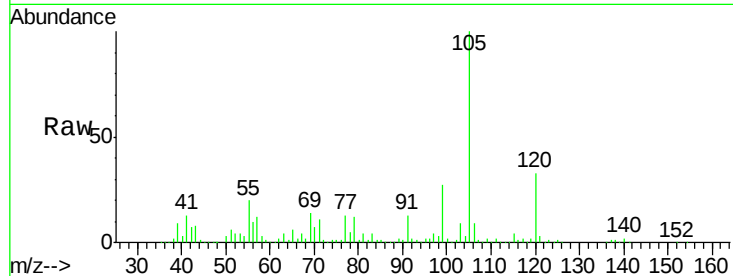
Tgt Ion: 93 Resp: 16560

Ion Ratio Lower Upper

93 100

66 199.7 51.8 77.8#

65 684.4 28.5 42.7#



#7

Phenol-d6

Concen: 157.39 ng

RT: 5.44 min Scan# 337

Delta R.T. -0.00 min

Lab File: BF085071.D

Acq: 13 Feb 2016 7:20

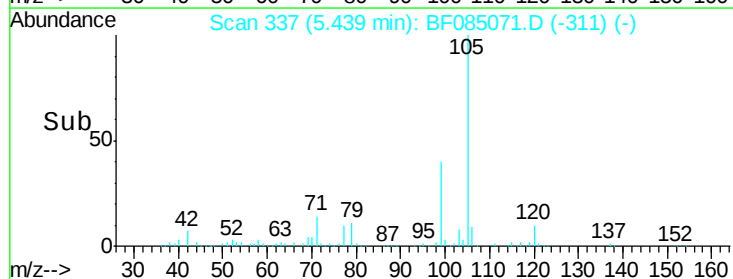
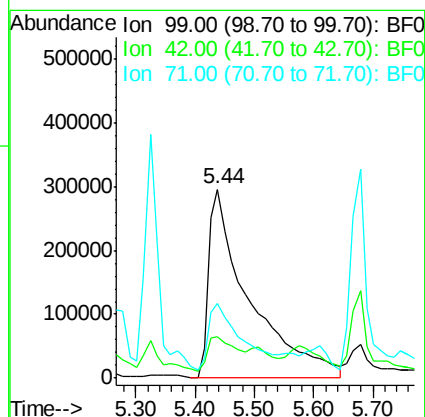
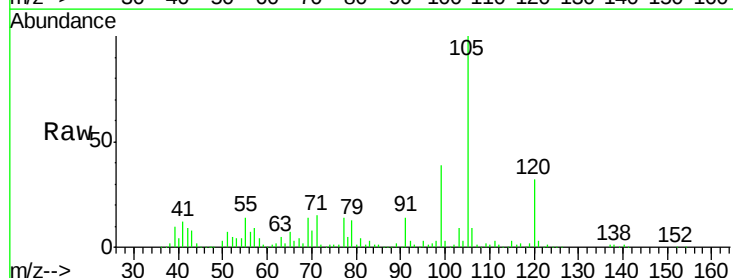
Tgt Ion: 99 Resp: 1386504

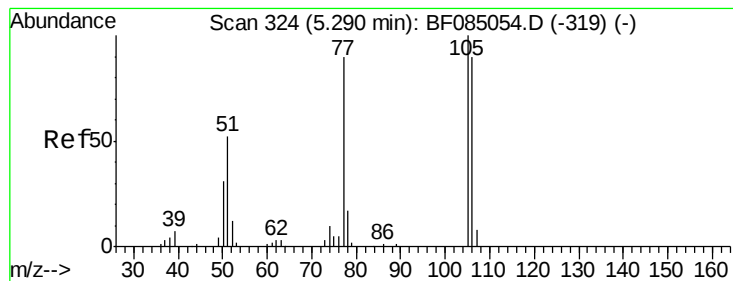
Ion Ratio Lower Upper

99 100

42 22.2 17.0 25.4

71 39.3 28.3 42.5





#9

Benzaldehyde

Concen: 37.01 ng

RT: 5.28 min Scan# 323

Delta R.T. -0.01 min

Lab File: BF085071.D

Acq: 13 Feb 2016 7:20

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)

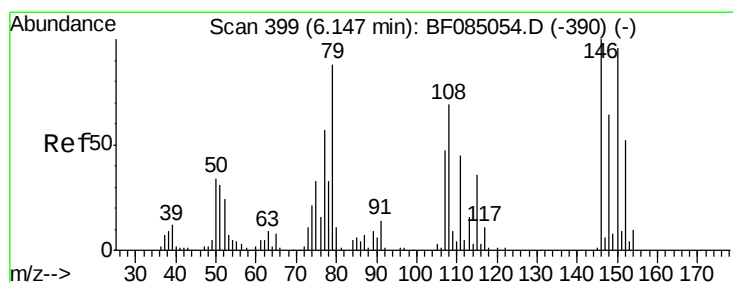
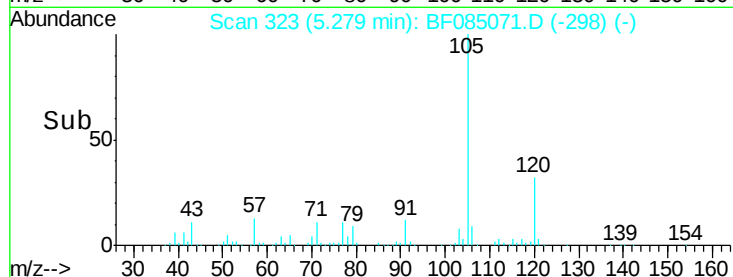
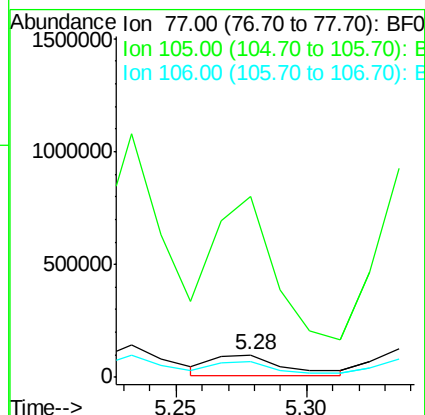
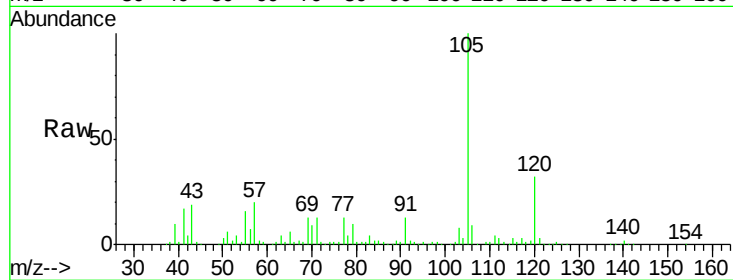
Tgt Ion: 77 Resp: 175629

Ion Ratio Lower Upper

77 100

105 795.3 90.9 130.9#

106 71.9 79.7 119.7#



#15

Benzyl Alcohol

Concen: 7.48 ng

RT: 6.10 min Scan# 395

Delta R.T. -0.05 min

Lab File: BF085071.D

Acq: 13 Feb 2016 7:20

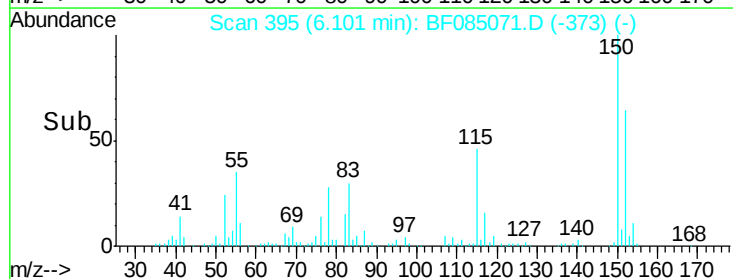
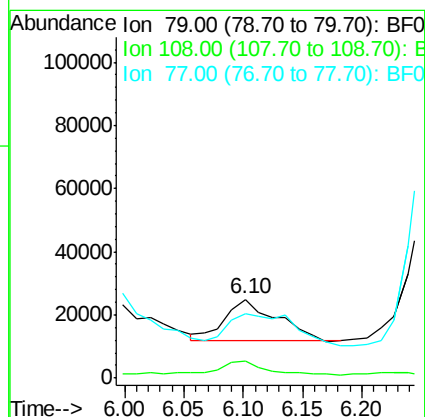
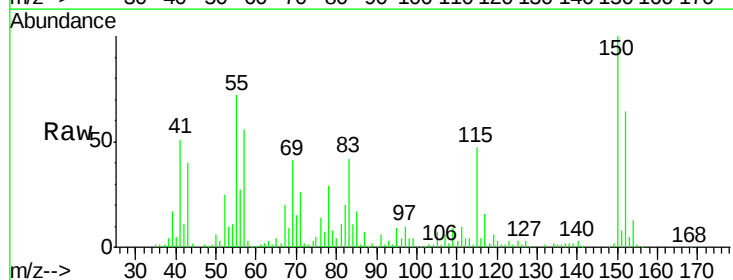
Tgt Ion: 79 Resp: 40246

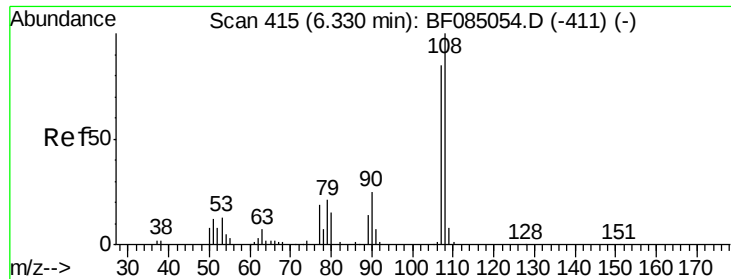
Ion Ratio Lower Upper

79 100

108 21.8 63.4 95.0#

77 82.4 51.8 77.6#

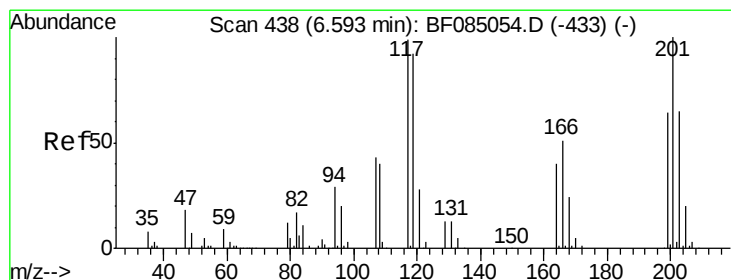
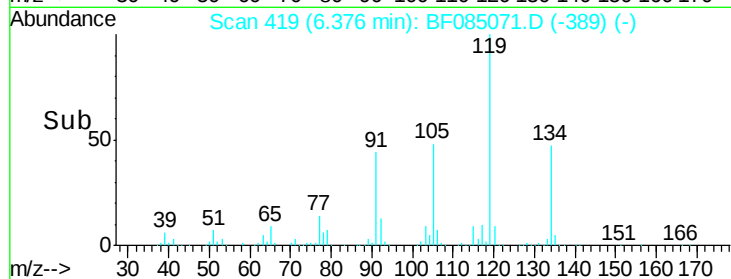
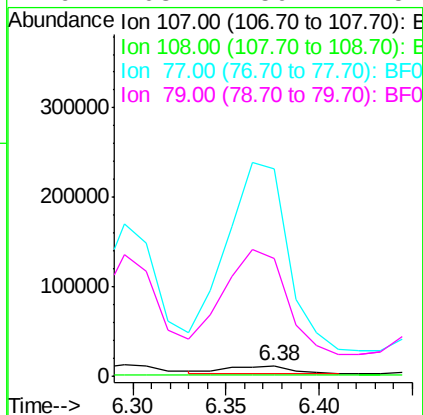
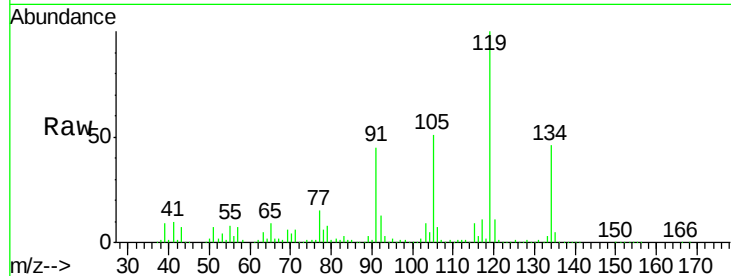




#17
2-Methylphenol
Concen: 3.76 ng
RT: 6.38 min Scan# 419
Delta R.T. 0.05 min
Lab File: BF085071.D
Acq: 13 Feb 2016 7:20

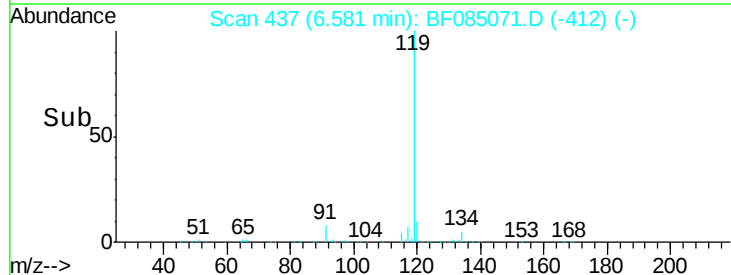
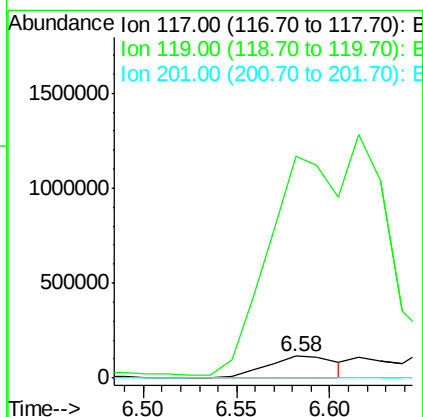
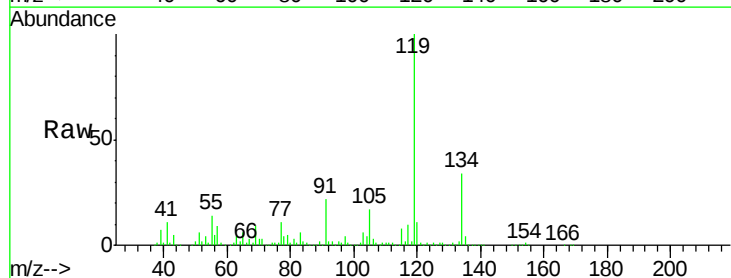
Instrument :
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SUP-B004(16-18)

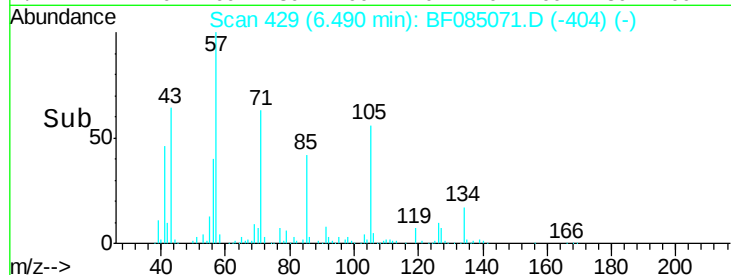
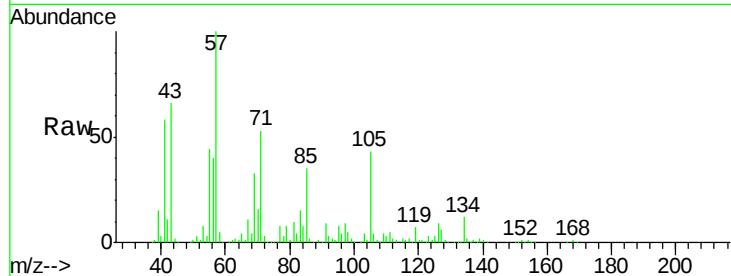
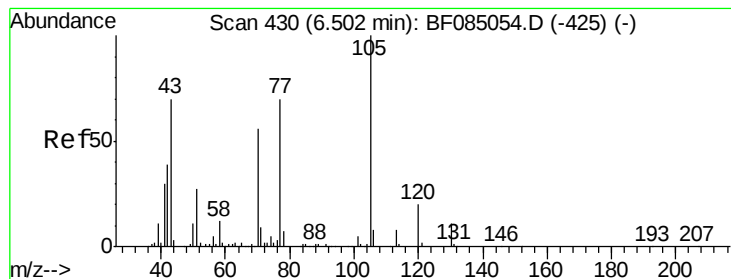
Tgt Ion:107 Resp: 22134
Ion Ratio Lower Upper
107 100
108 13.4 97.0 145.4#
77 1952.3 50.5 75.7#
79 1108.7 50.1 75.1#



#18
Hexachloroethane
Concen: 85.80 ng
RT: 6.58 min Scan# 437
Delta R.T. -0.01 min
Lab File: BF085071.D
Acq: 13 Feb 2016 7:20

Tgt Ion:117 Resp: 284269
Ion Ratio Lower Upper
117 100
119 1025.3 74.5 111.7#
201 0.0 80.9 121.3#





#19

n-Nitroso-di-n-propylamine

Concen: 6.75 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF085071.D

Acq: 13 Feb 2016 7:20

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)

Tgt Ion: 70 Resp: 37463

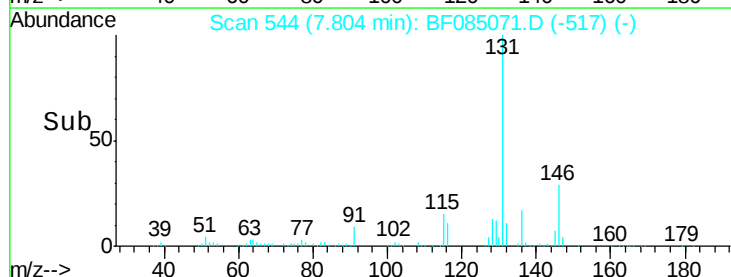
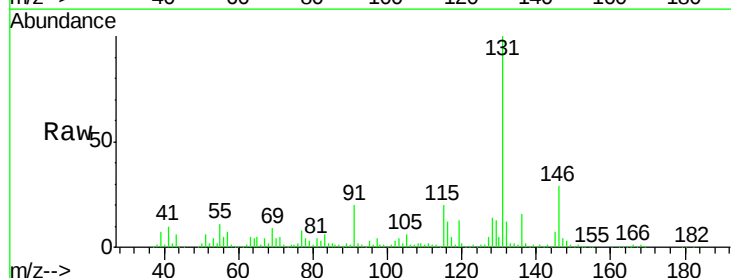
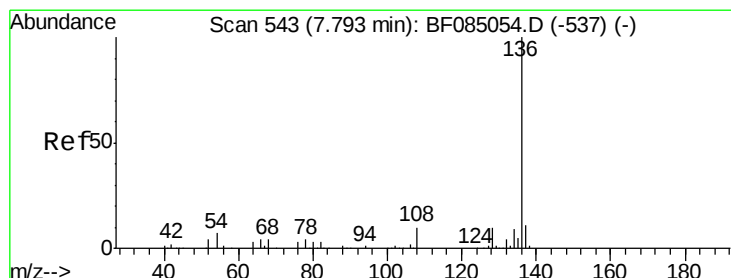
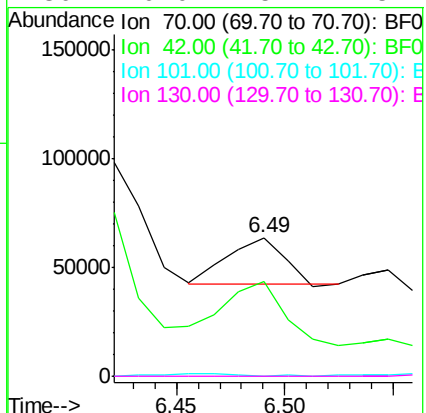
Ion Ratio Lower Upper

70 100

42 68.8 55.8 83.6

101 0.0 7.7 11.5#

130 0.0 15.4 23.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.80 min Scan# 544

Delta R.T. 0.01 min

Lab File: BF085071.D

Acq: 13 Feb 2016 7:20

Tgt Ion: 136 Resp: 455495

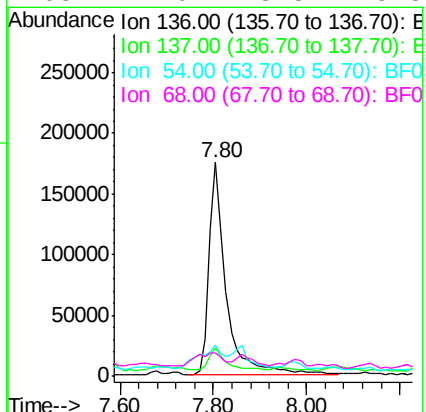
Ion Ratio Lower Upper

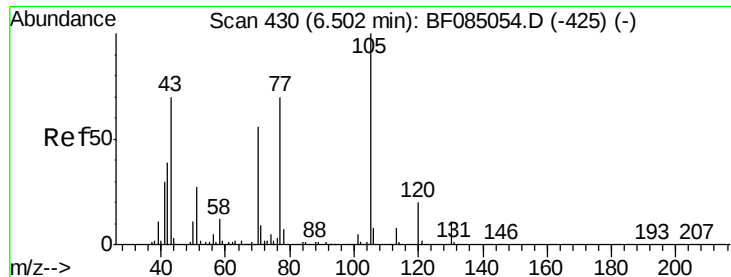
136 100

137 13.1 8.9 13.3

54 14.3 6.1 9.1#

68 11.0 3.5 5.3#





#22

Acetophenone

Concen: 112.00 ng

RT: 6.47 min Scan# 427

Delta R.T. -0.03 min

Lab File: BF085071.D

Acq: 13 Feb 2016 7:20

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)

Tgt Ion:105 Resp: 1307526

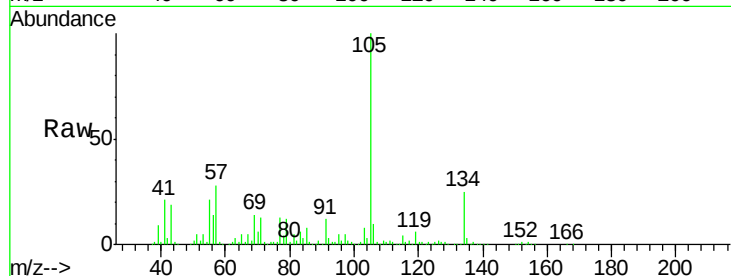
Ion Ratio Lower Upper

105 100

71 13.2 7.5 11.3#

51 4.7 23.1 34.7#

120 0.8 15.9 23.9#



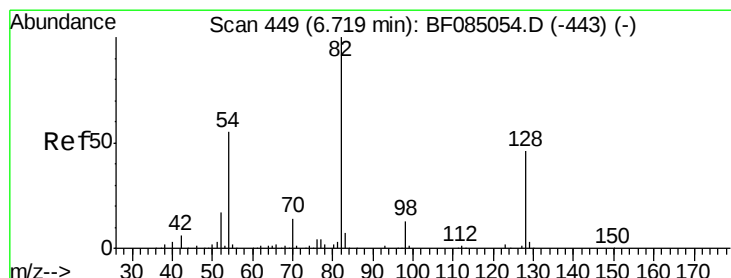
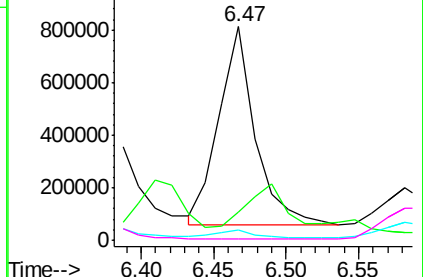
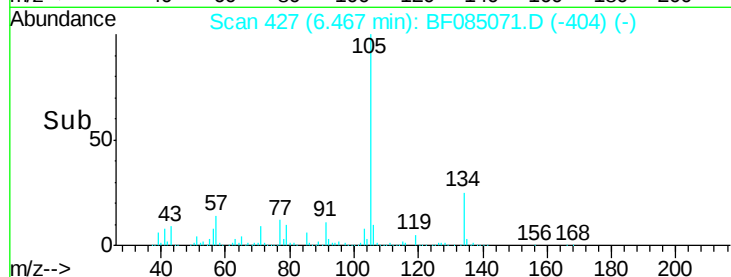
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



#23

Nitrobenzene-d5

Concen: 126.35 ng

RT: 6.73 min Scan# 450

Delta R.T. 0.01 min

Lab File: BF085071.D

Acq: 13 Feb 2016 7:20

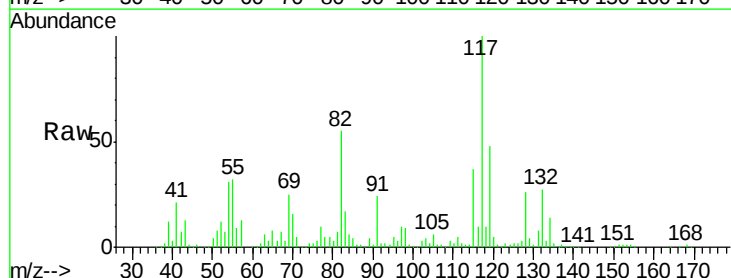
Tgt Ion: 82 Resp: 974575

Ion Ratio Lower Upper

82 100

128 47.5 36.8 55.2

54 55.8 44.4 66.6

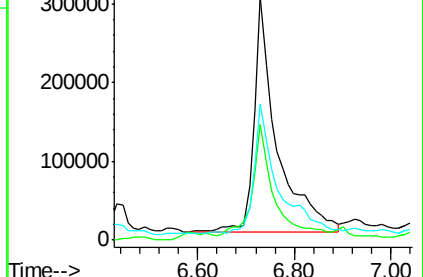
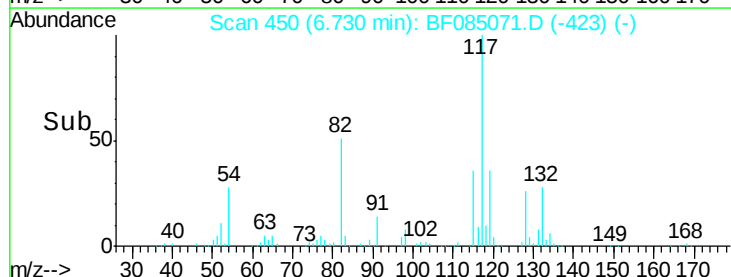


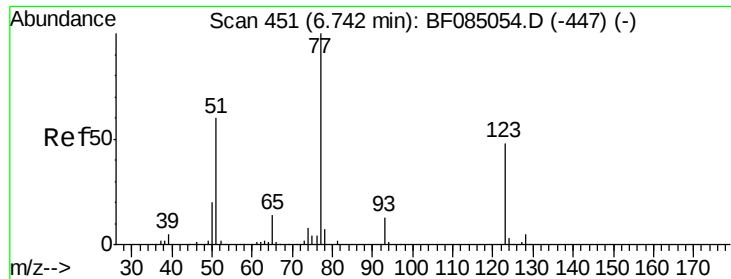
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->

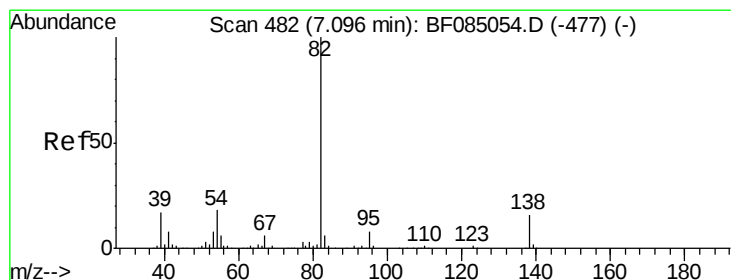
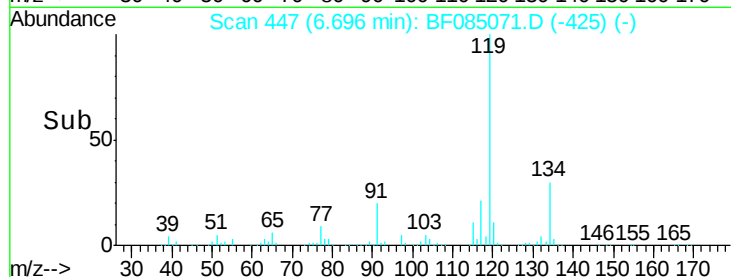
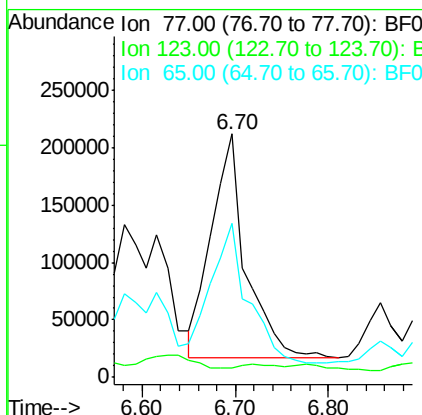
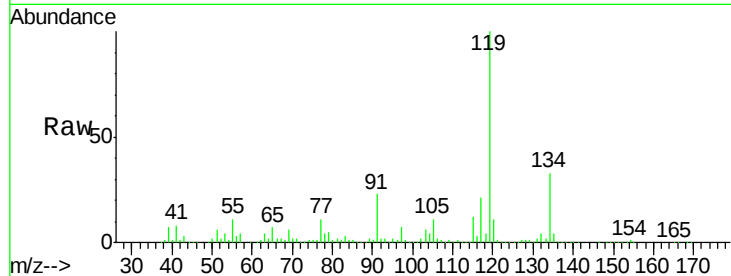




#24
 Nitrobenzene
 Concen: 60.11 ng
 RT: 6.70 min Scan# 447
 Delta R.T. -0.05 min
 Lab File: BF085071.D
 Acq: 13 Feb 2016 7:20

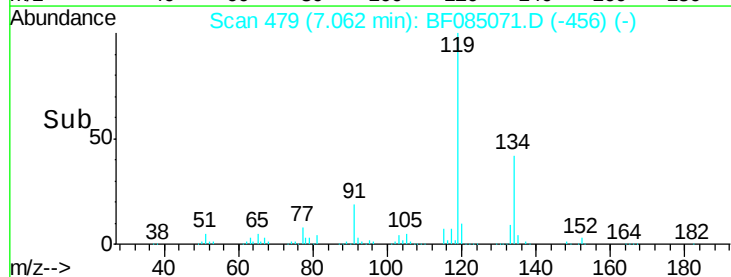
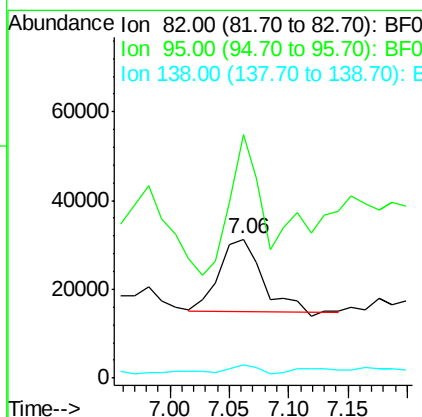
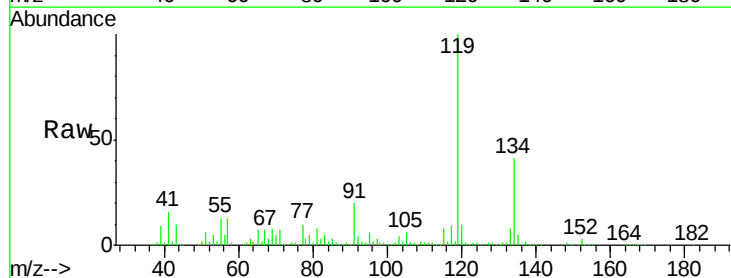
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)

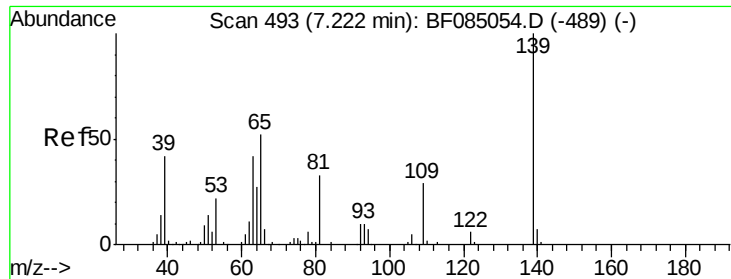
Tgt Ion: 77 Resp: 506571
 Ion Ratio Lower Upper
 77 100
 123 3.7 36.5 54.7#
 65 63.1 10.9 16.3#



#25
 Isophorone
 Concen: 2.96 ng
 RT: 7.06 min Scan# 479
 Delta R.T. -0.03 min
 Lab File: BF085071.D
 Acq: 13 Feb 2016 7:20

Tgt Ion: 82 Resp: 40969
 Ion Ratio Lower Upper
 82 100
 95 174.8 6.1 9.1#
 138 9.7 13.1 19.7#

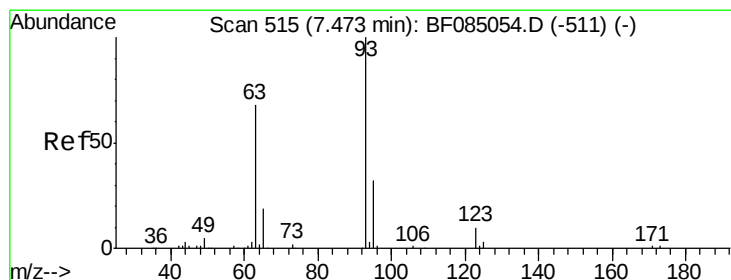
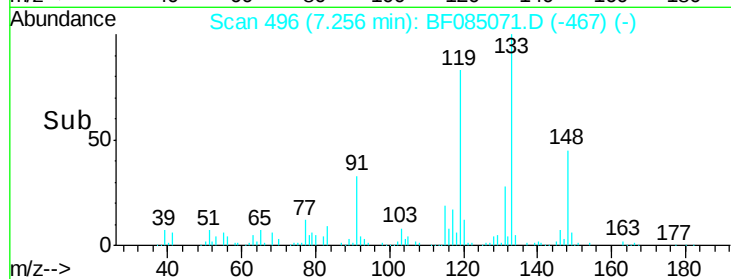
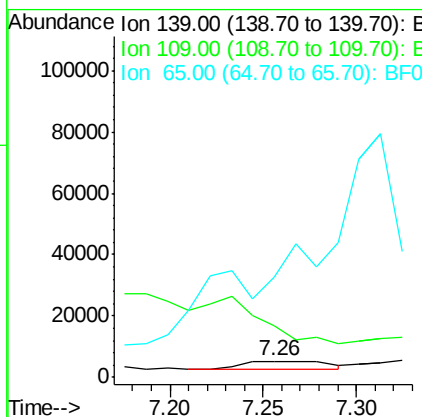
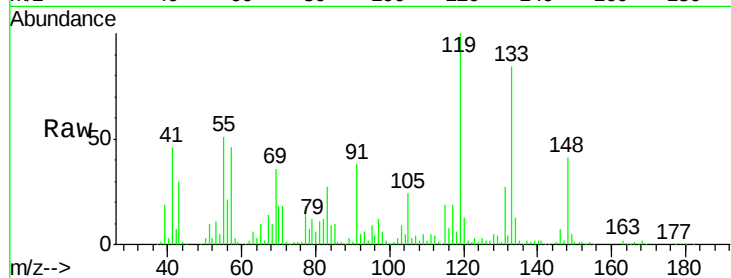




#26
 2-Nitrophenol
 Concen: 2.24 ng
 RT: 7.26 min Scan# 496
 Delta R.T. 0.03 min
 Lab File: BF085071.D
 Acq: 13 Feb 2016 7:20

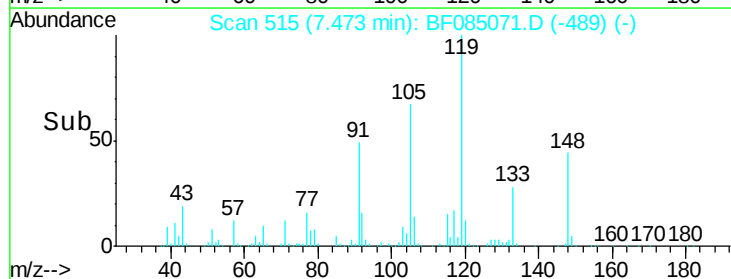
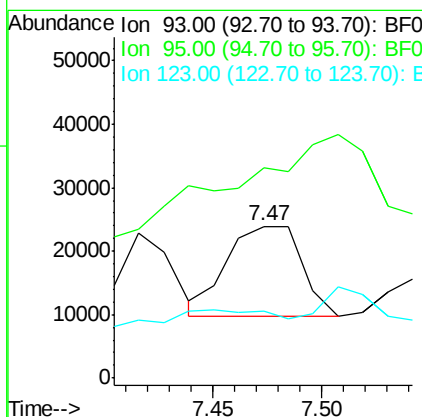
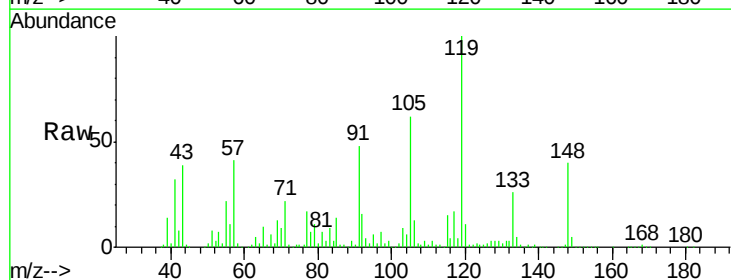
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)

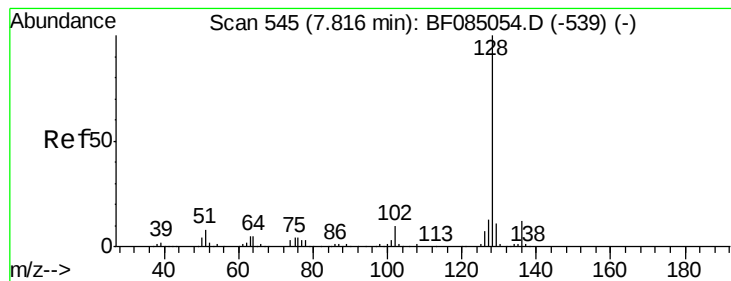
Tgt Ion: 139 Resp: 9051
 Ion Ratio Lower Upper
 139 100
 109 320.6 23.4 35.2#
 65 623.9 42.3 63.5#



#28
 bis(2-Chloroethoxy)methane
 Concen: 3.96 ng
 RT: 7.47 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: BF085071.D
 Acq: 13 Feb 2016 7:20

Tgt Ion: 93 Resp: 33972
 Ion Ratio Lower Upper
 93 100
 95 138.2 25.6 38.4#
 123 44.2 8.7 13.1#





#31

Naphthalene

Concen: 91.70 ng

RT: 7.84 min Scan# 547

Delta R.T. 0.02 min

Lab File: BF085071.D

Acq: 13 Feb 2016 7:20

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)

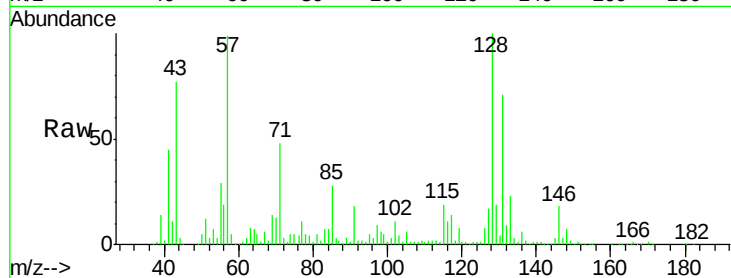
Tgt Ion:128 Resp: 2025053

Ion Ratio Lower Upper

128 100

129 18.8 9.2 13.8#

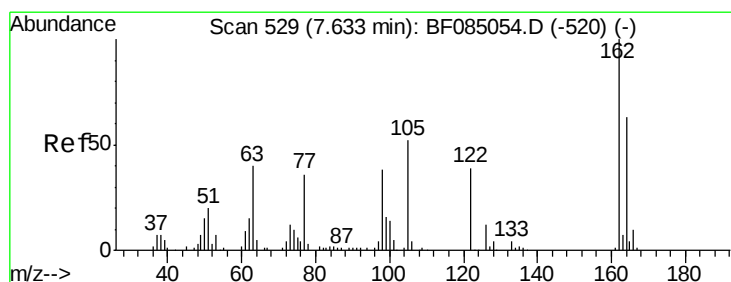
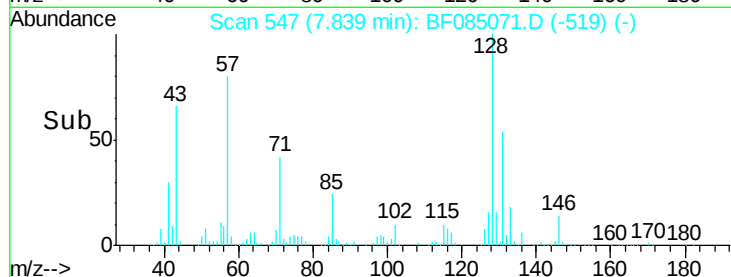
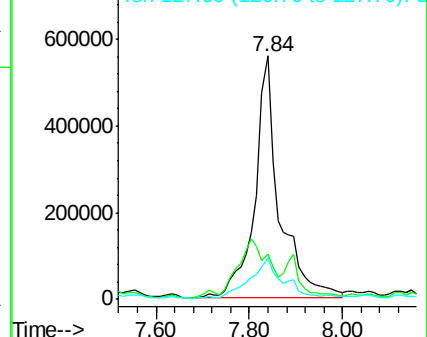
127 16.8 10.3 15.5#



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: 7.07 ng

RT: 7.67 min Scan# 532

Delta R.T. 0.03 min

Lab File: BF085071.D

Acq: 13 Feb 2016 7:20

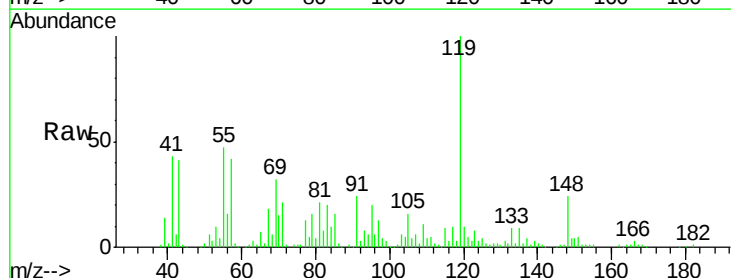
Tgt Ion:122 Resp: 4647

Ion Ratio Lower Upper

122 100

105 650.2 101.3 141.3#

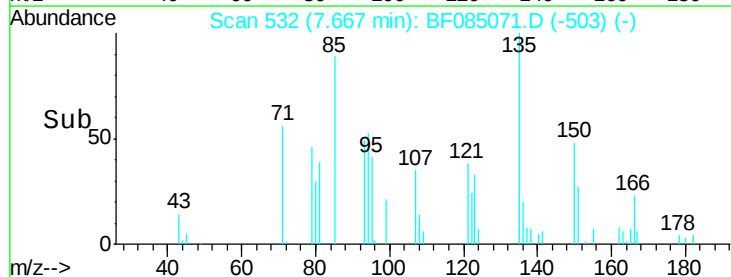
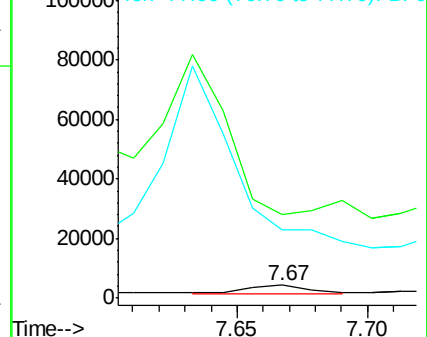
77 528.9 70.0 110.0#

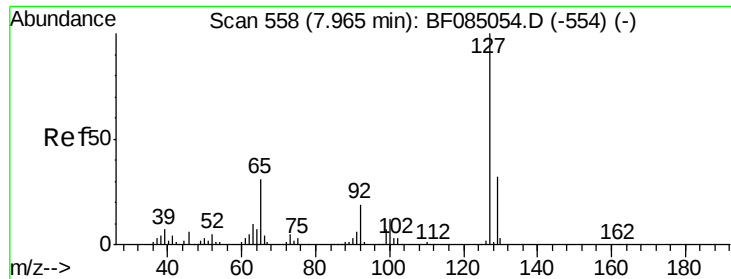


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

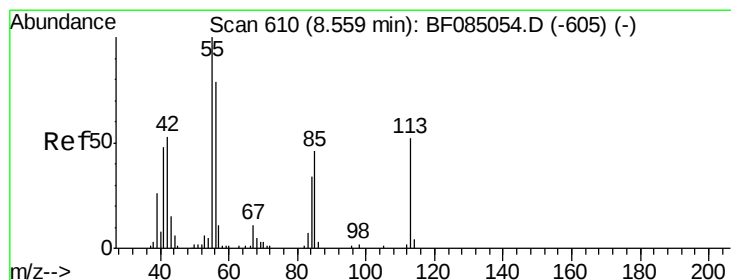
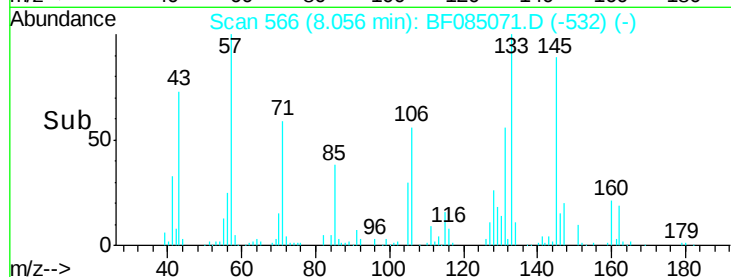
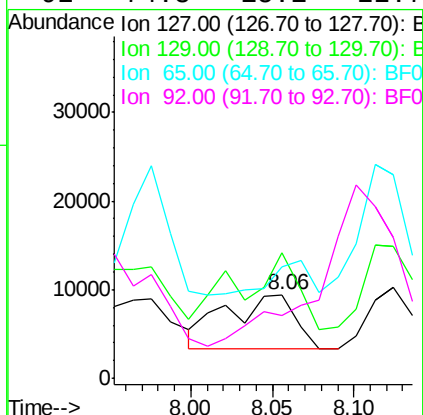
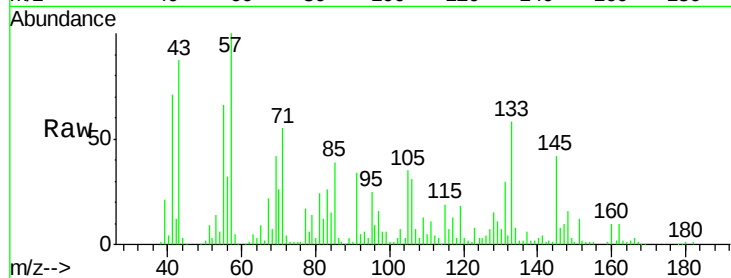




#33
4-Chloroaniline
Concen: 2.20 ng
RT: 8.06 min Scan# 566
Delta R.T. 0.09 min
Lab File: BF085071.D
Acq: 13 Feb 2016 7:20

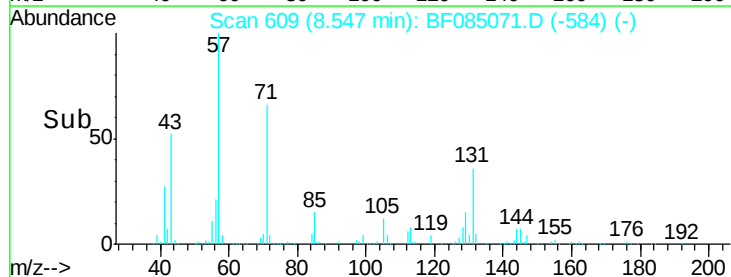
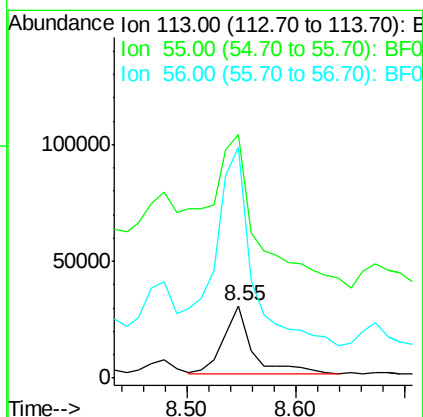
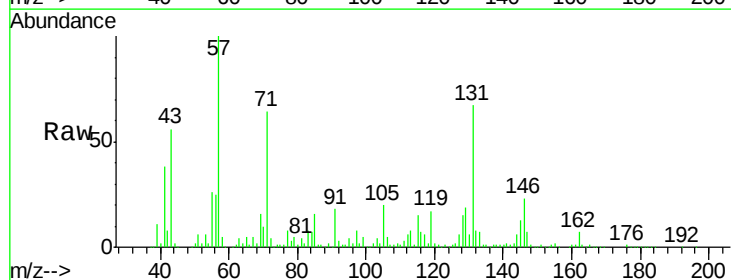
Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)

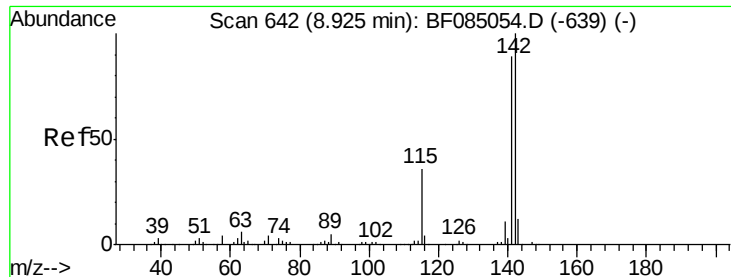
Tgt Ion:127 Resp: 18402
Ion Ratio Lower Upper
127 100
129 150.5 26.6 39.8#
65 133.4 24.7 37.1#
92 74.8 15.1 22.7#



#35
Caprolactam
Concen: 33.39 ng
RT: 8.55 min Scan# 609
Delta R.T. -0.01 min
Lab File: BF085071.D
Acq: 13 Feb 2016 7:20

Tgt Ion:113 Resp: 53321
Ion Ratio Lower Upper
113 100
55 337.3 173.1 213.1#
56 319.2 132.9 172.9#

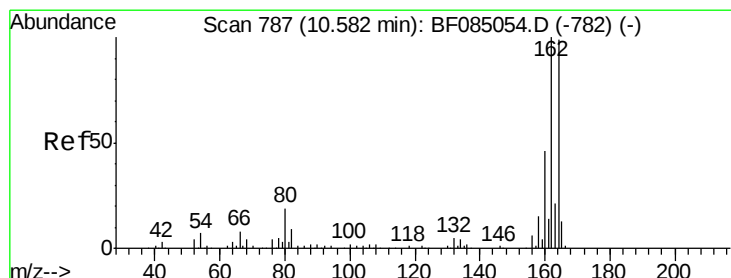
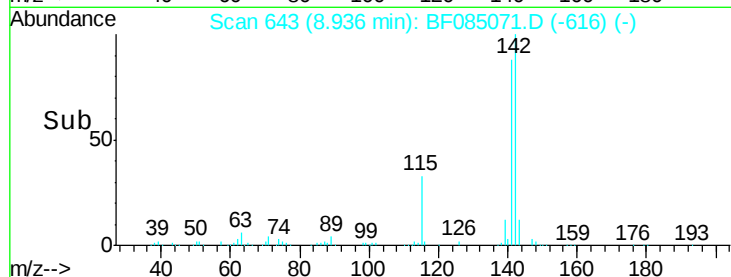
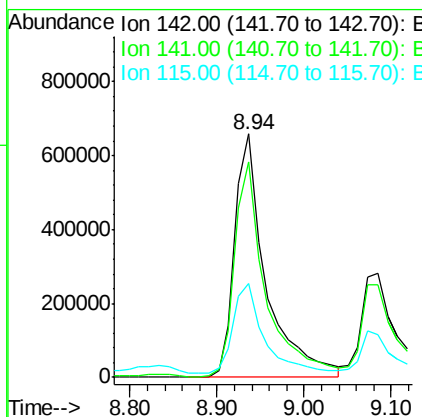
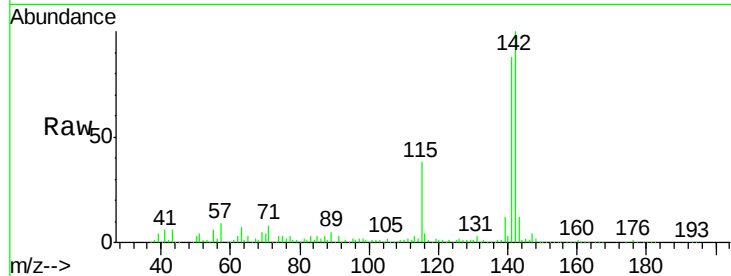




#37
2-Methylnaphthalene
Concen: 116.61 ng
RT: 8.94 min Scan# 643
Delta R.T. 0.01 min
Lab File: BF085071.D
Acq: 13 Feb 2016 7:20

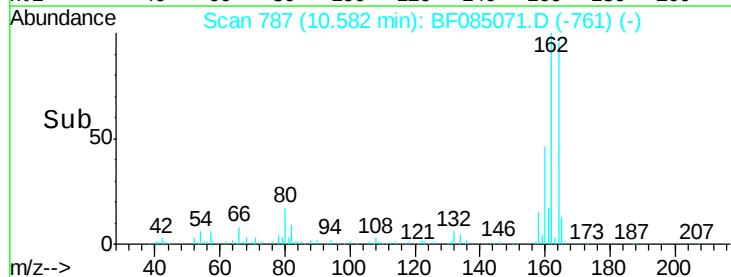
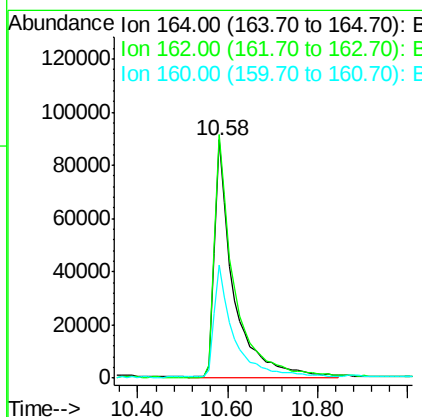
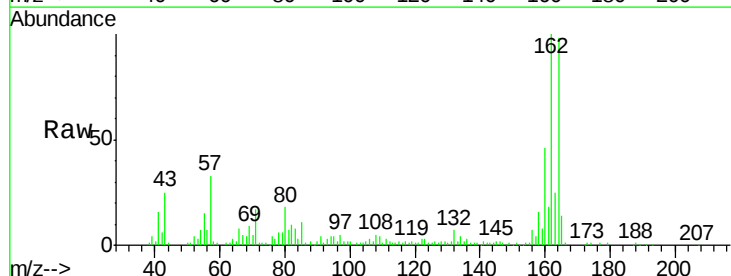
Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)

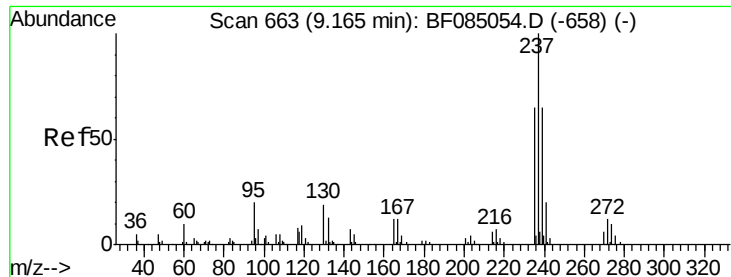
Tgt Ion:142 Resp: 1642860
Ion Ratio Lower Upper
142 100
141 88.2 69.6 104.4
115 38.4 27.9 41.9



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.58 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF085071.D
Acq: 13 Feb 2016 7:20

Tgt Ion:164 Resp: 260750
Ion Ratio Lower Upper
164 100
162 102.3 81.1 121.7
160 47.2 37.4 56.0

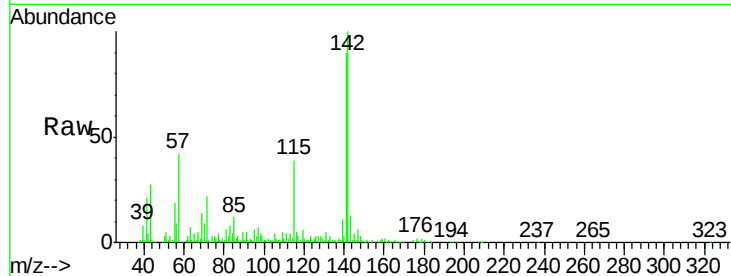




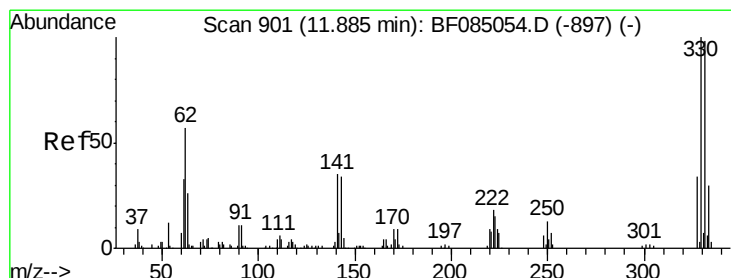
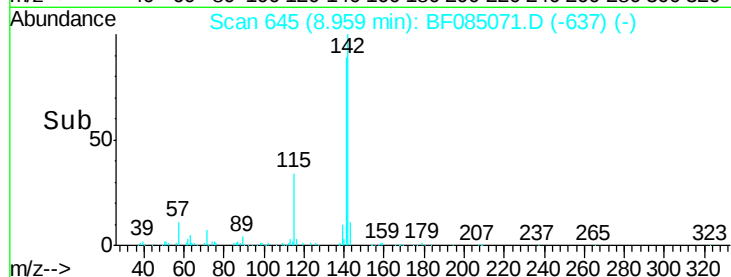
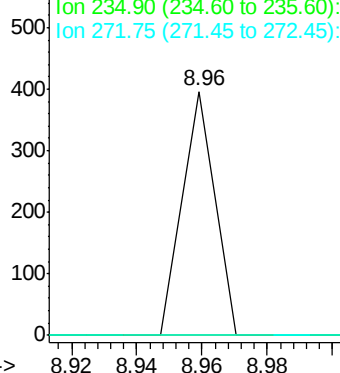
#40
Hexachlorocyclopentadiene
Concen: 8.51 ng
RT: 8.96 min Scan# 645
Delta R.T. -0.21 min
Lab File: BF085071.D
Acq: 13 Feb 2016 7:20

Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)

Tgt Ion: 237 Resp: 272
Ion Ratio Lower Upper
237 100
235 0.0 44.8 84.8#
272 0.0 0.0 31.8

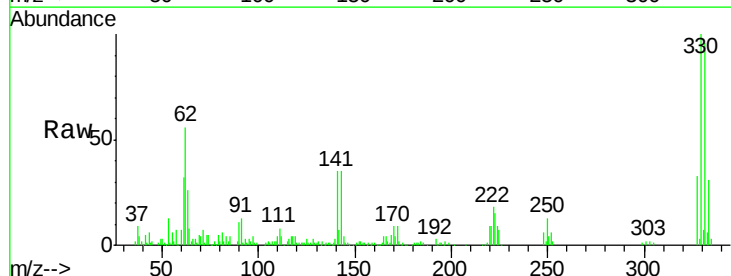


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

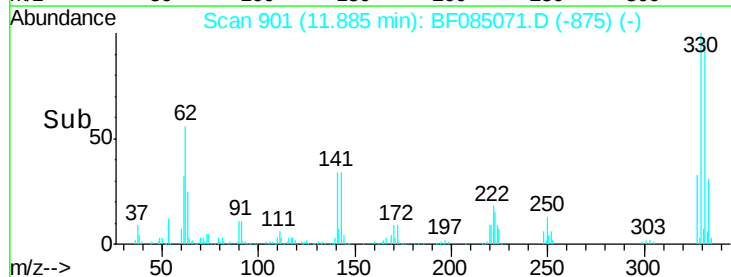
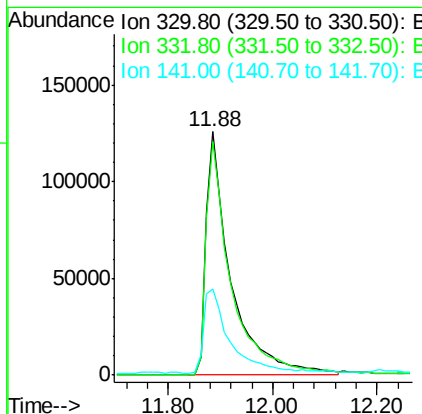


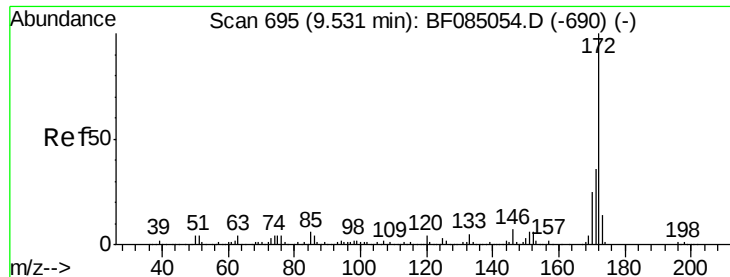
#41
2,4,6-Tribromophenol
Concen: 154.40 ng
RT: 11.88 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF085071.D
Acq: 13 Feb 2016 7:20

Tgt Ion: 330 Resp: 415839
Ion Ratio Lower Upper
330 100
332 96.6 78.5 117.7
141 36.2 28.6 42.8



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

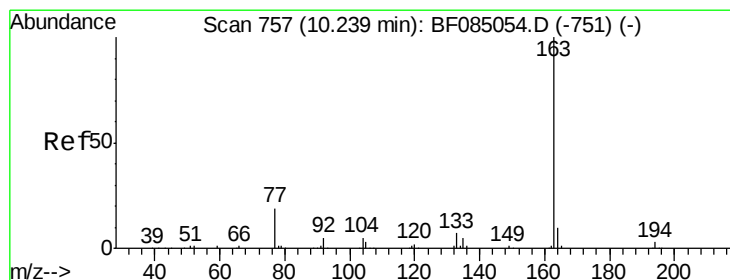
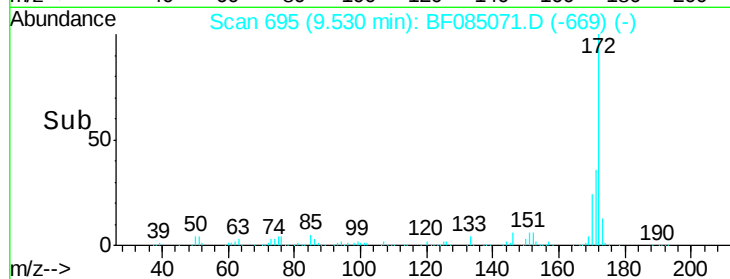
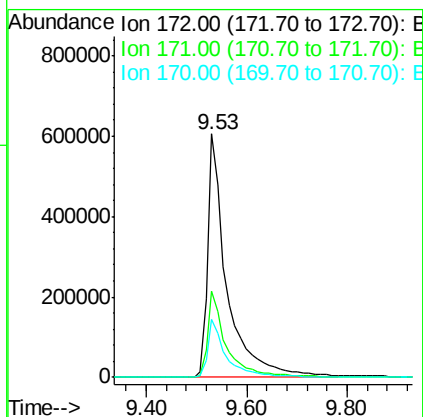
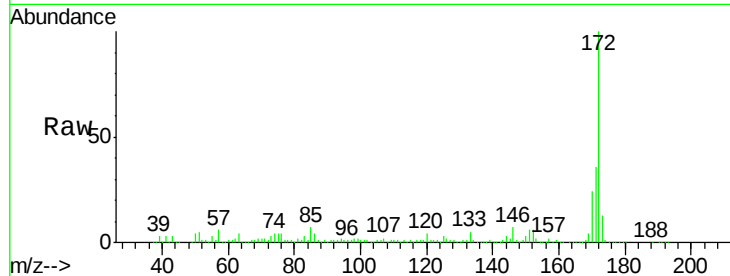




#44
2-Fluorobiphenyl
Concen: 88.51 ng
RT: 9.53 min Scan# 695
Delta R.T. -0.00 min
Lab File: BF085071.D
Acq: 13 Feb 2016 7:20

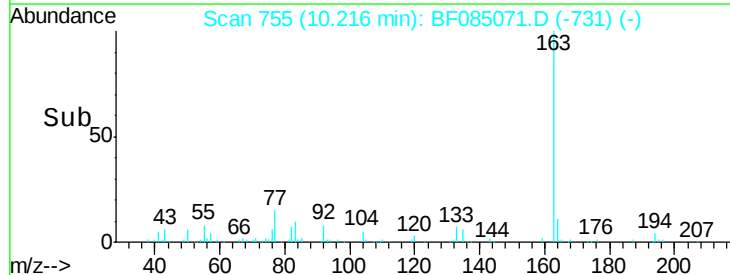
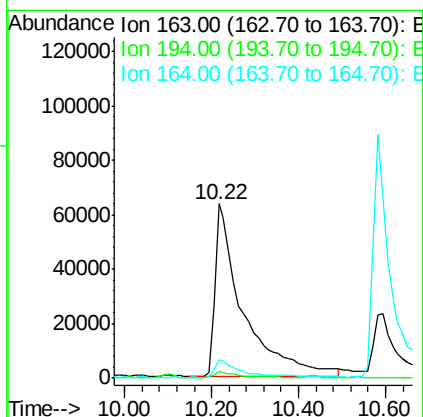
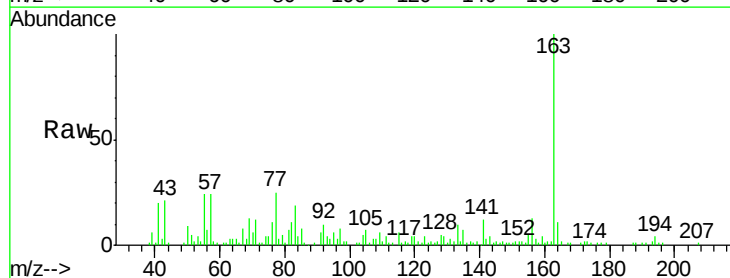
Instrument :
BNA_F
ClientSampleId :
SUP-B004(16-18)

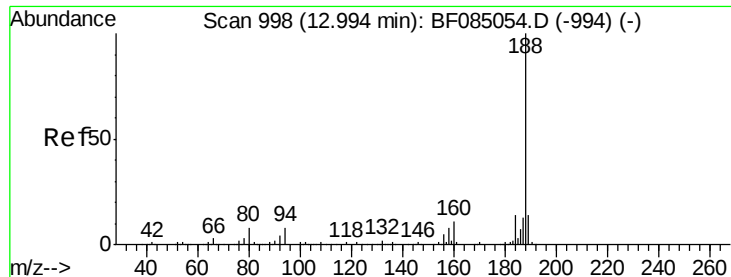
Tgt Ion:172 Resp: 1614587
Ion Ratio Lower Upper
172 100
171 35.6 29.1 43.7
170 23.7 19.6 29.4



#49
Dimethylphthalate
Concen: 14.66 ng
RT: 10.22 min Scan# 755
Delta R.T. -0.02 min
Lab File: BF085071.D
Acq: 13 Feb 2016 7:20

Tgt Ion:163 Resp: 286640
Ion Ratio Lower Upper
163 100
194 3.9 2.5 3.7#
164 10.7 7.8 11.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.99 min Scan# 998

Delta R.T. -0.00 min

Lab File: BF085071.D

Acq: 13 Feb 2016 7:20

Instrument :

BNA_F

ClientSampleId :

SUP-B004(16-18)

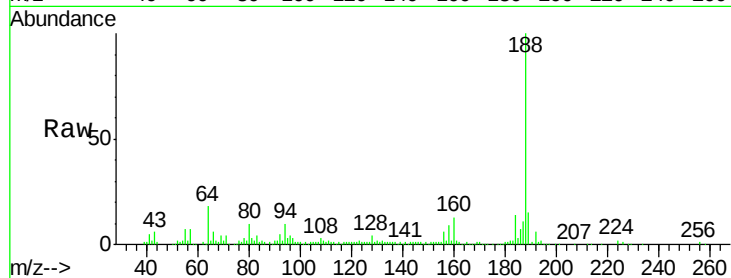
Tgt Ion:188 Resp: 477364

Ion Ratio Lower Upper

188 100

94 9.6 6.2 9.2#

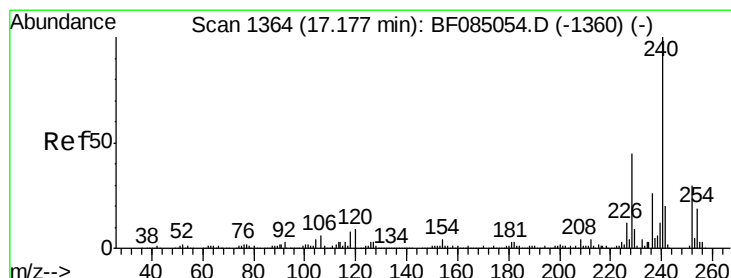
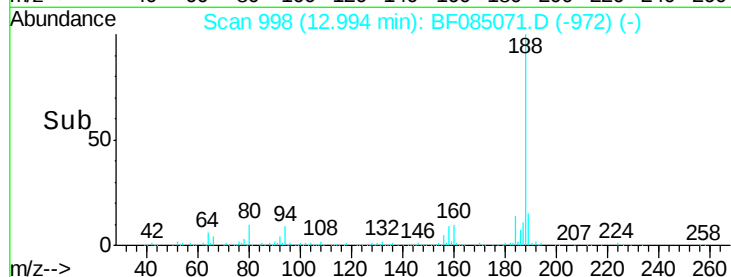
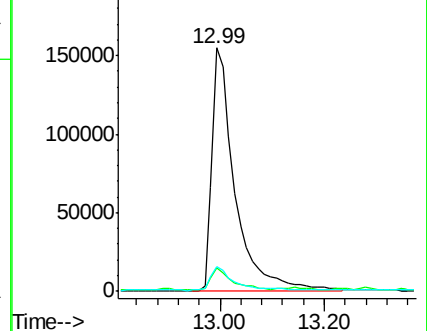
80 10.2 6.6 9.8#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.18 min Scan# 1364

Delta R.T. -0.00 min

Lab File: BF085071.D

Acq: 13 Feb 2016 7:20

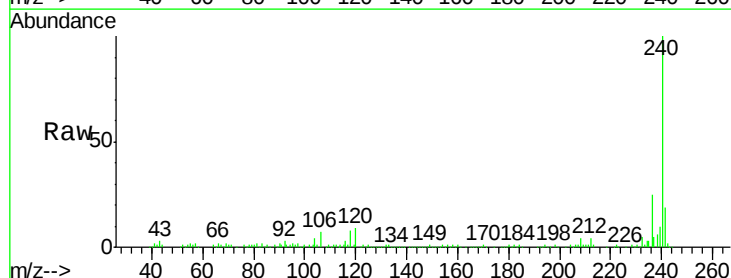
Tgt Ion:240 Resp: 309345

Ion Ratio Lower Upper

240 100

120 9.2 7.0 10.6

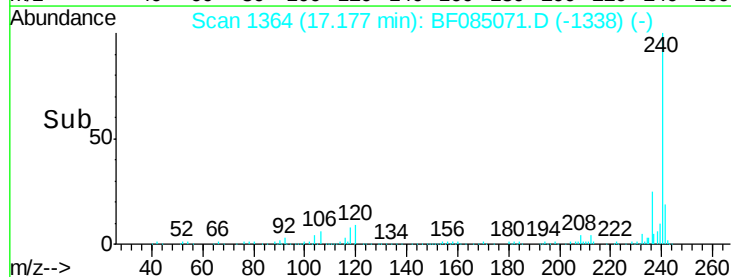
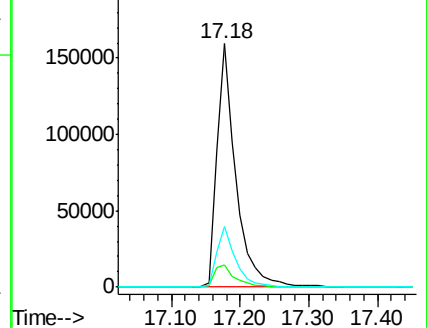
236 25.0 20.5 30.7

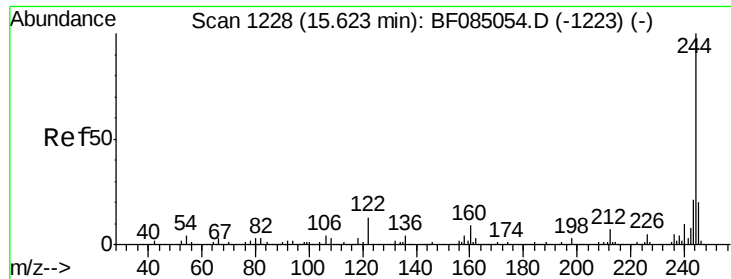


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

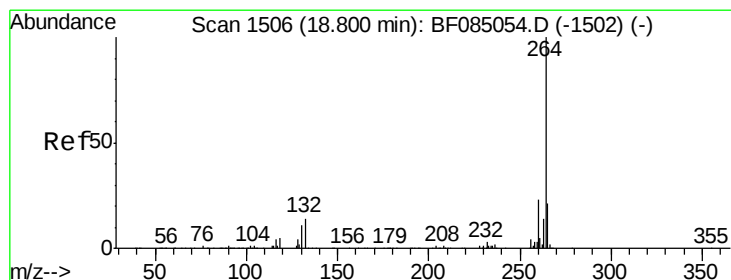
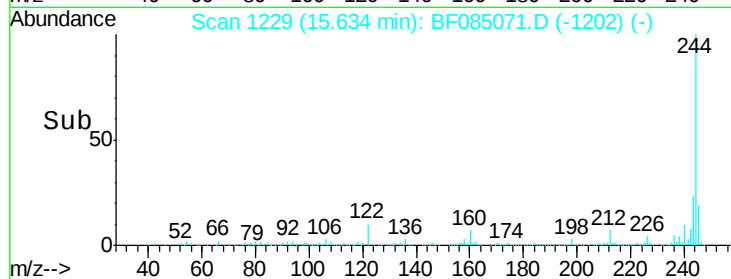
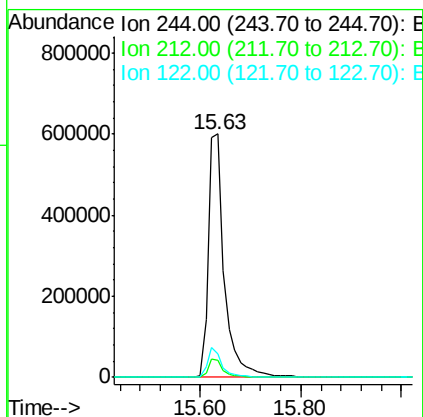
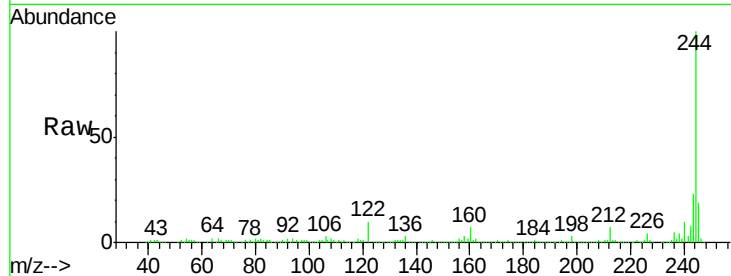




#78
 Terphenyl-d14
 Concen: 87.82 ng
 RT: 15.63 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: BF085071.D
 Acq: 13 Feb 2016 7:20

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B004(16-18)

Tgt Ion:244 Resp: 1319922
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.6 10.1 15.1#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.80 min Scan# 1506
 Delta R.T. -0.00 min
 Lab File: BF085071.D
 Acq: 13 Feb 2016 7:20

Tgt Ion:264 Resp: 247788
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.5 27.7
 265 22.2 16.7 25.1

