

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031516\
 Data File : BF085462.D
 Acq On : 15 Mar 2016 19:01
 Operator : UM/SJ
 Sample : PB88908BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 16 04:44:00 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	143025	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	619887	20.00	ng	-0.01
38) Acenaphthene-d10	9.96	164	284240	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	540234	20.00	ng	0.00
75) Chrysene-d12	14.07	240	372818	20.00	ng	-0.01
86) Perylene-d12	15.52	264	262047	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1047625	125.91	ng	0.01
7) Phenol-d6	6.54	99	1158090	107.30	ng	-0.01
23) Nitrobenzene-d5	7.48	82	892126	85.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	331133	126.48	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	1401103	85.52	ng	-0.01
78) Terphenyl-d14	13.03	244	1459783	88.58	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.57	93	795	0.05	ng	# 80
8) 2-Chlorophenol	6.70	128	553	0.06	ng	# 35
9) Benzaldehyde	6.68	77	21725	3.61	ng	# 80
10) Phenol	6.55	94	521	0.04	ng	# 1
11) bis(2-Chloroethyl)ether	6.68	93	1272	0.14	ng	# 1
15) Benzyl Alcohol	7.06	79	12620	1.64	ng	# 48
19) n-Nitroso-di-n-propylamine	7.48	70	117403	18.16	ng	# 76
24) Nitrobenzene	7.48	77	2627	0.22	ng	# 37
27) 2,4-Dimethylphenol	7.90	122	207	0.02	ng	# 6
31) Naphthalene	8.22	128	425	0.01	ng	# 67
32) Benzoic acid	7.90	122	207	0.04	ng	# 77
33) 4-Chloroaniline	8.26	127	702	0.05	ng	# 45
45) 1,1'-Biphenyl	9.37	154	331	0.01	ng	# 42
47) 2-Nitroaniline	9.27	65	1938	0.37	ng	# 1
48) Acenaphthylene	9.81	152	293	0.01	ng	# 58
50) 2,6-Dinitrotoluene	9.96	165	36150	7.89	ng	# 26
51) Acenaphthene	9.96	154	1158	0.07	ng	# 4
54) Dibenzofuran	10.15	168	719	0.03	ng	# 42
56) 2,4-Dinitrotoluene	9.96	165	36150	6.29	ng	# 22
57) Fluorene	10.49	166	585	0.03	ng	# 89
59) Diethylphthalate	10.37	149	492	0.02	ng	# 57
62) Azobenzene	10.65	77	265	0.01	ng	# 50
64) 4,6-Dinitro-2-methylphenol	10.74	198	855	0.26	ng	# 1
65) n-Nitrosodiphenylamine	10.74	169	10792	0.65	ng	# 43
66) 4-Bromophenyl-phenylether	10.74	248	22752	4.16	ng	# 1
69) Pentachlorophenol	11.24	266	214	0.07	ng	# 19
70) Phenanthrene	11.45	178	1431	0.05	ng	# 58
71) Anthracene	11.51	178	778	0.03	ng	# 59
72) Carbazole	11.67	167	708	0.03	ng	# 58
73) Di-n-butylphthalate	11.99	149	10803	0.36	ng	# 97
74) Fluoranthene	12.64	202	623	0.02	ng	# 63
76) Benzo(a)anthracene	12.77	184	11702	1.01	ng	# 97
77) Perylene	12.87	202	631	0.02	ng	# 55
80) Benzo(a)anthracene	14.07	228	1702	0.08	ng	# 62

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 15 18:57:05 2016
Response via : Initial Calibration

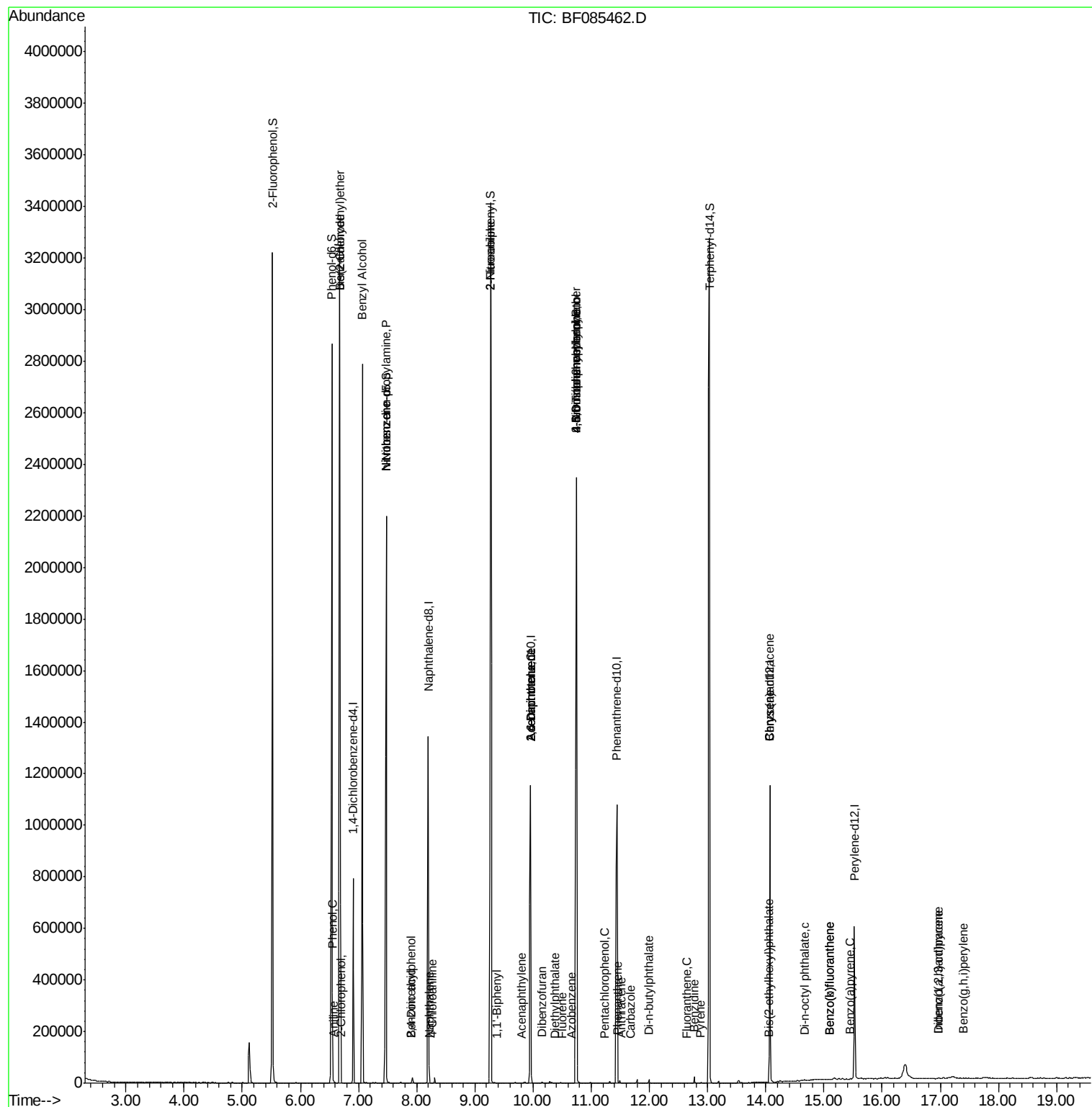
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Chrysene	14.07	228	1702	0.09	nq	# 58
83) Bis(2-ethylhexyl)phthalate	14.05	149	541	0.04	nq	# 53
84) Di-n-octyl phthalate	14.67	149	301	0.01	nq	# 76
85) Indeno(1,2,3-cd)pyrene	16.96	276	1333	0.07	nq	# 45
87) Benzo(b)fluoranthene	15.10	252	1412	0.08	nq	# 58
88) Benzo(k)fluoranthene	15.10	252	1412	0.11	nq	# 59
89) Benzo(a)pyrene	15.45	252	785	0.05	nq	# 60
90) Dibenzo(a,h)anthracene	16.97	278	1128	0.08	nq	# 53
91) Benzo(g,h,i)perylene	17.40	276	1210	0.08	nq	# 49

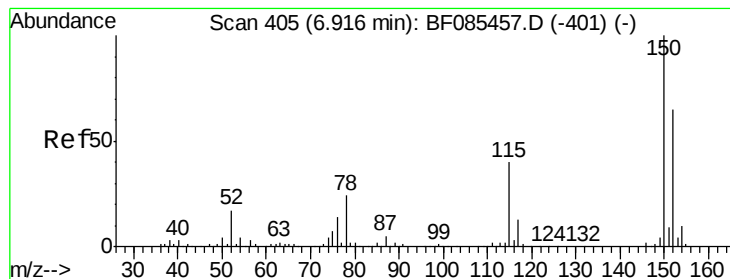
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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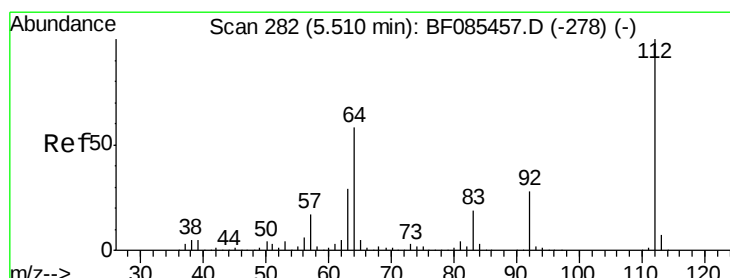
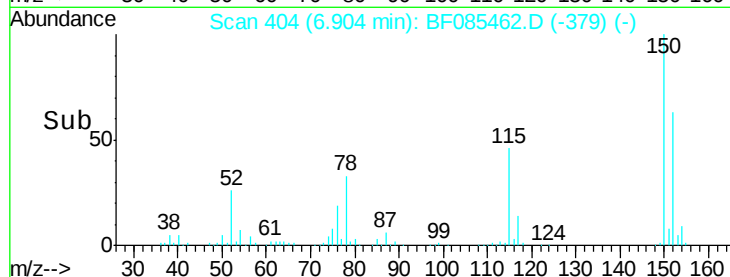
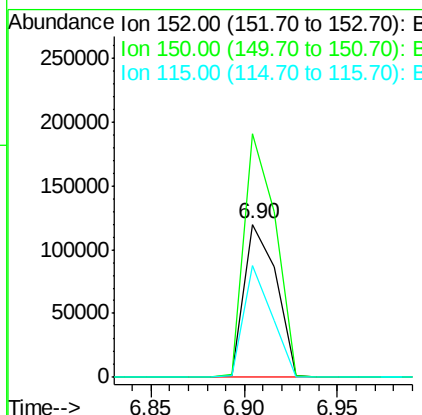
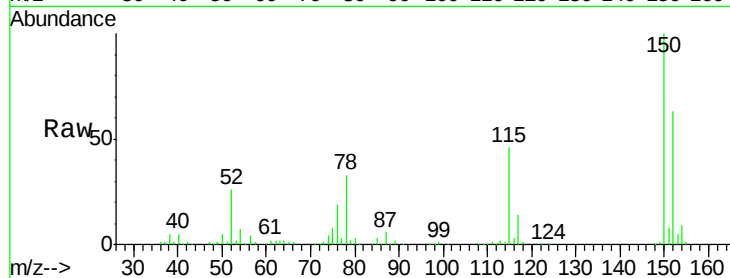




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.90 min Scan# 404
 Delta R.T. -0.01 min
 Lab File: BF085462.D
 Acq: 15 Mar 2016 19:01

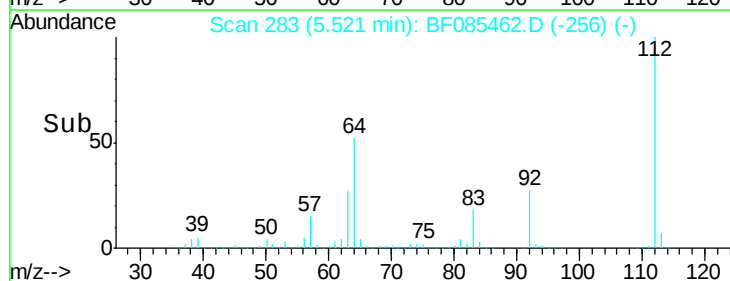
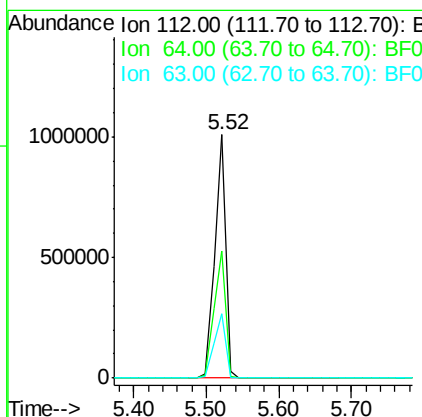
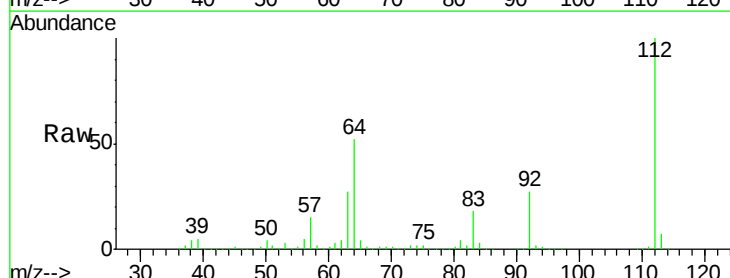
Instrument :
 BNA_F
 ClientSampleId :

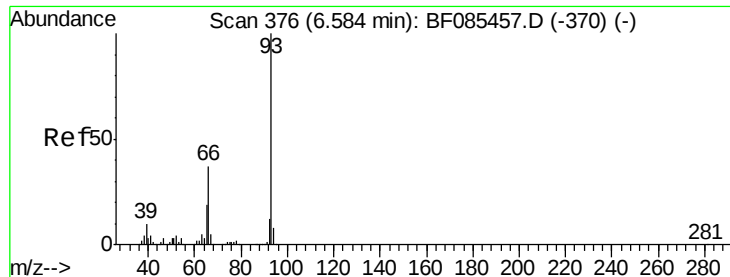
Tot Ion:152 Resp: 143025
 Ion Ratio Lower Upper
 152 100
 150 159.3 124.6 186.8
 115 72.8 46.6 70.0#



#5
 2-Fluorophenol
 Concen: 125.91 ng
 RT: 5.52 min Scan# 283
 Delta R.T. 0.01 min
 Lab File: BF085462.D
 Acq: 15 Mar 2016 19:01

Tgt Ion:112 Resp: 1047625
 Ion Ratio Lower Upper
 112 100
 64 52.4 49.0 73.4
 63 26.7 24.8 37.2





#6

Aniline

Concen: 0.05 ng

RT: 6.57 min Scan# 375

Delta R.T. -0.01 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

Instrument :

BNA_F

ClientSampleId :

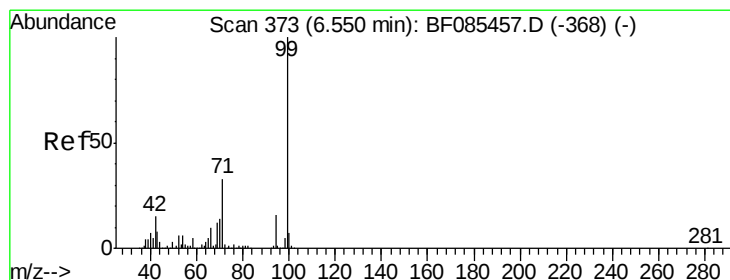
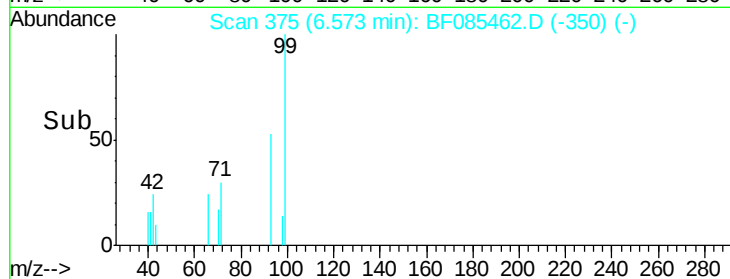
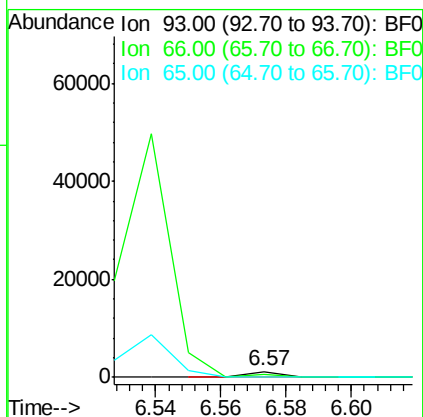
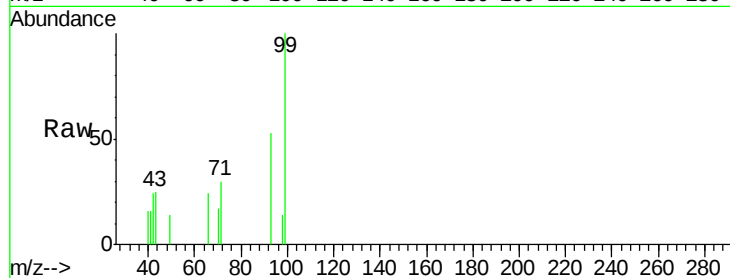
Tot Ion: 93 Resp: 795

Ion Ratio Lower Upper

93 100

66 44.6 31.6 47.4

65 0.0 15.8 23.8#



#7

Phenol-d6

Concen: 107.30 ng

RT: 6.54 min Scan# 372

Delta R.T. -0.01 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

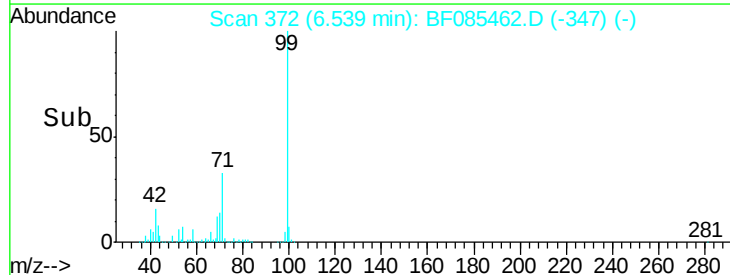
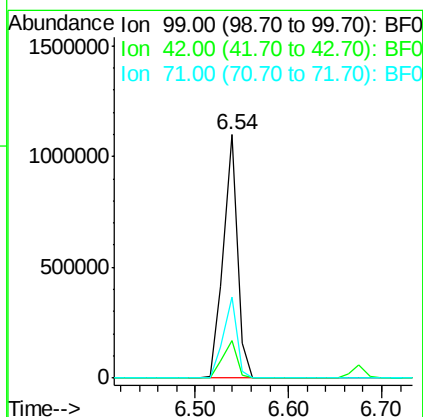
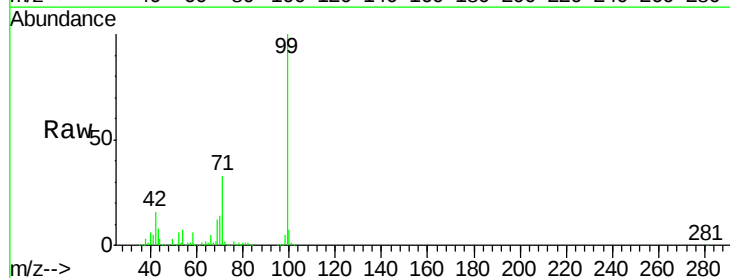
Tgt Ion: 99 Resp: 1158090

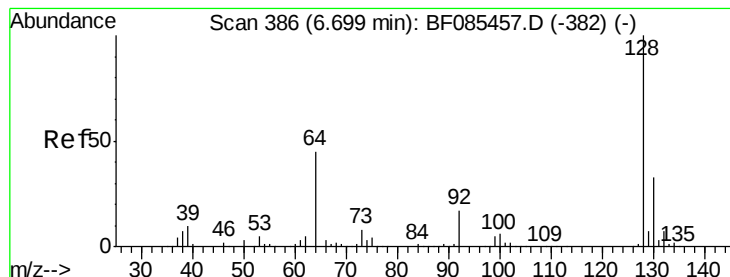
Ion Ratio Lower Upper

99 100

42 15.5 13.6 20.4

71 33.0 26.7 40.1

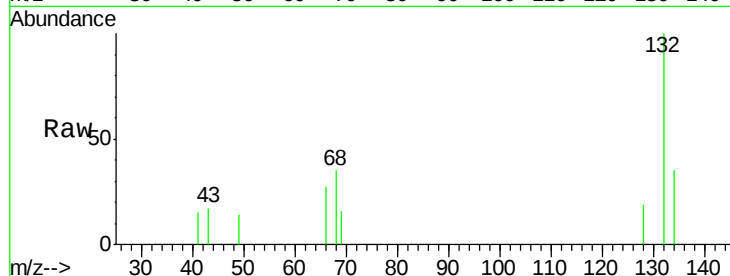




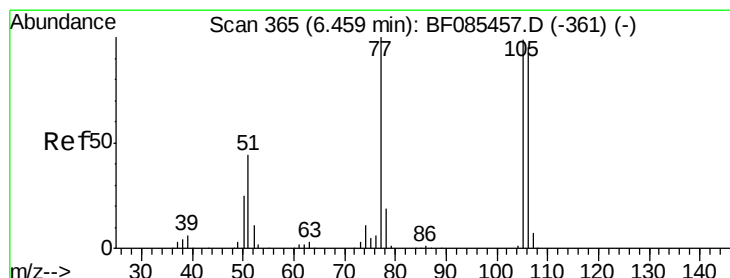
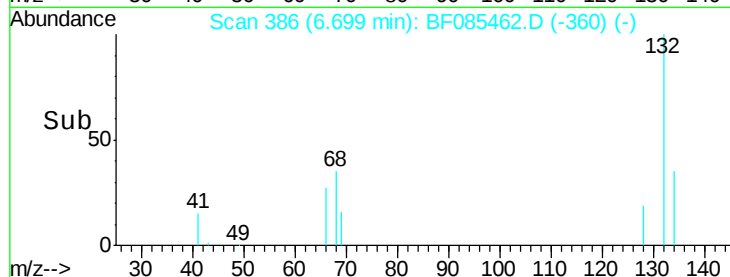
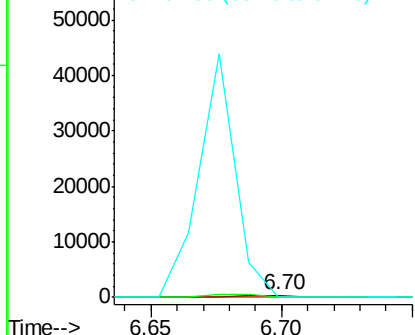
#8
2-Chlorophenol
Concen: 0.06 ng
RT: 6.70 min Scan# 386
Delta R.T. 0.00 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 553
Ion Ratio Lower Upper
128 100
130 0.0 13.3 53.3#
64 0.0 25.7 65.7#

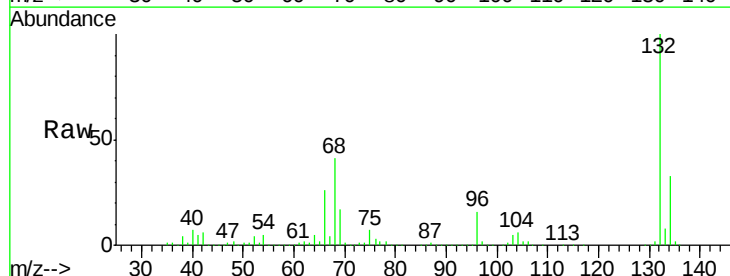


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0

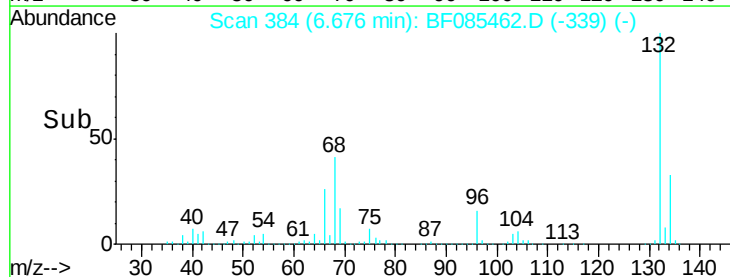
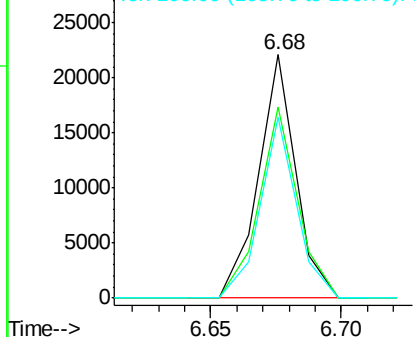


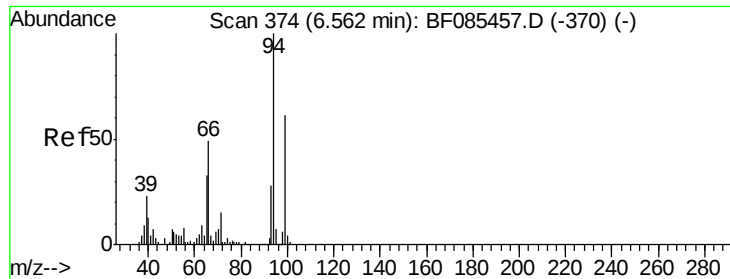
#9
Benzaldehyde
Concen: 3.61 ng
RT: 6.68 min Scan# 384
Delta R.T. 0.22 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

Tgt Ion: 77 Resp: 21725
Ion Ratio Lower Upper
77 100
105 78.6 78.2 118.2
106 74.4 72.9 112.9



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: 0.04 ng

RT: 6.55 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

Instrument :

BNA_F

ClientSampleId :

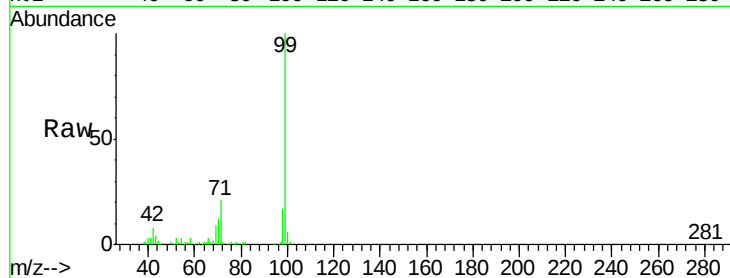
Tot Ion: 94 Resp: 521

Ion Ratio Lower Upper

94 100

65 169.6 9.1 49.1#

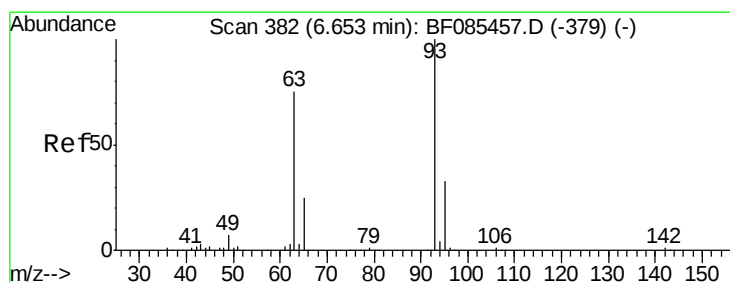
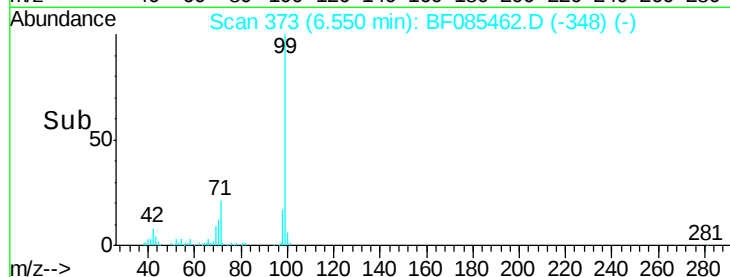
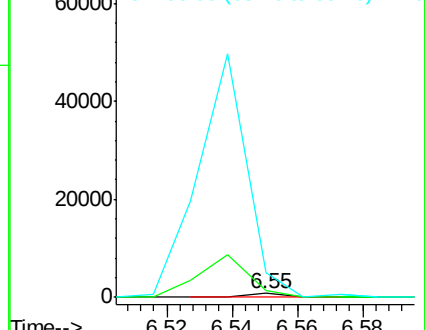
66 659.3 19.3 59.3#



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: 0.14 ng

RT: 6.68 min Scan# 384

Delta R.T. 0.02 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

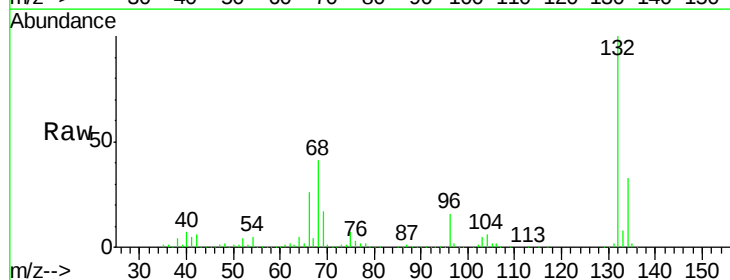
Tgt Ion: 93 Resp: 1272

Ion Ratio Lower Upper

93 100

63 662.3 50.9 90.9#

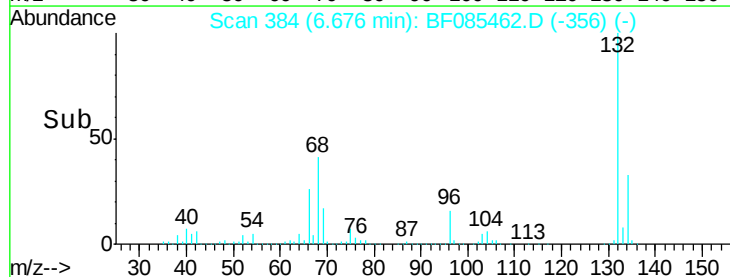
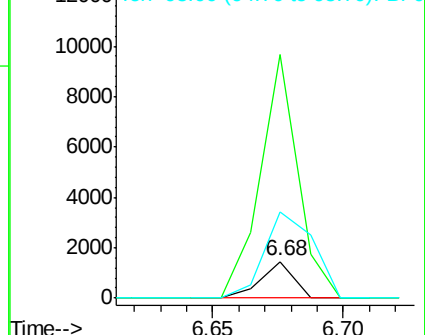
95 235.5 13.7 53.7#

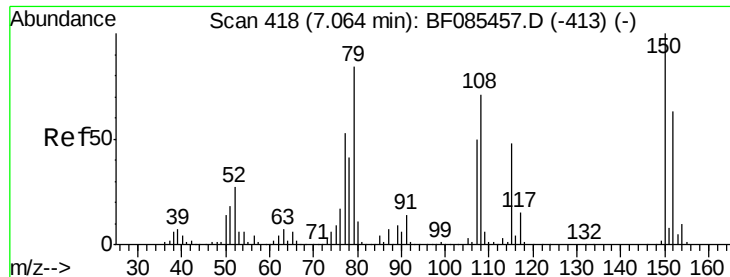


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#15

Benzyl Alcohol

Concen: 1.64 ng

RT: 7.06 min Scan# 418

Delta R.T. 0.00 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

Instrument :

BNA_F

ClientSampleId :

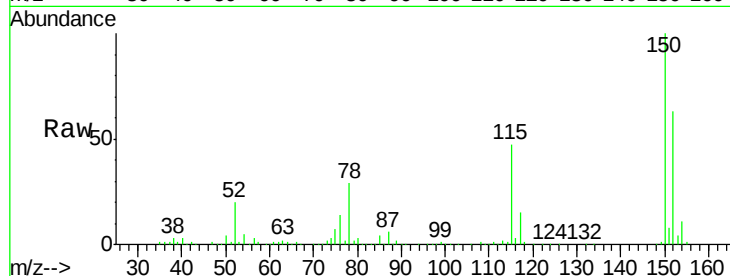
Tot Ion: 79 Resp: 12620

Ion Ratio Lower Upper

79 100

108 31.9 62.9 94.3#

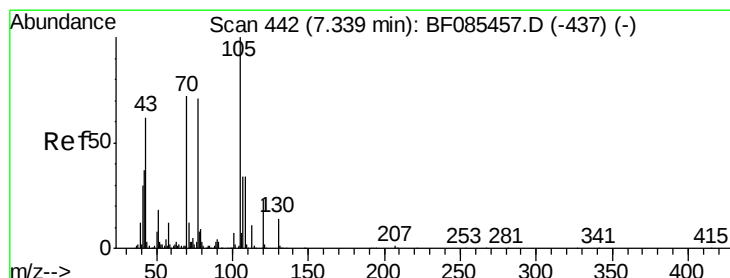
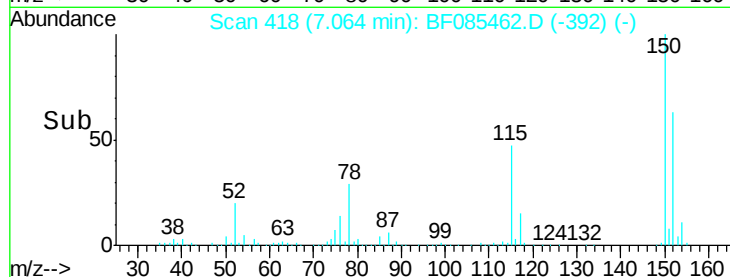
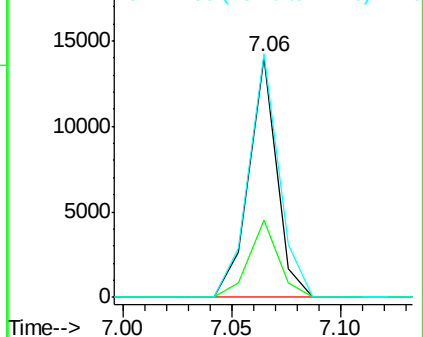
77 101.3 49.5 74.3#



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



#19

n-Nitroso-di-n-propylamine

Concen: 18.16 ng

RT: 7.48 min Scan# 454

Delta R.T. 0.14 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

Tgt Ion: 70 Resp: 117403

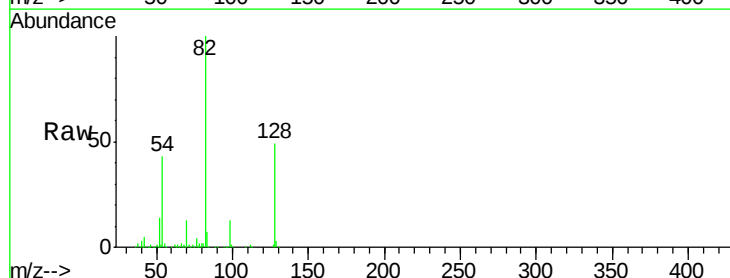
Ion Ratio Lower Upper

70 100

42 39.4 37.7 56.5

101 0.0 8.2 12.4#

130 2.5 20.5 30.7#

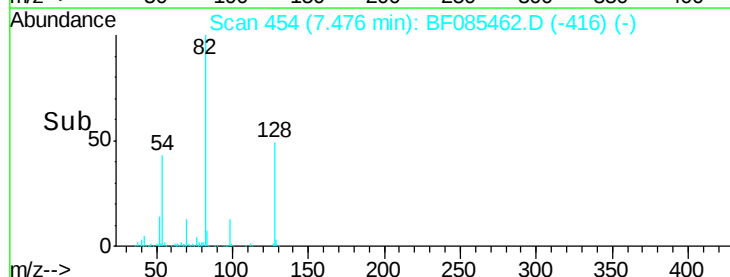
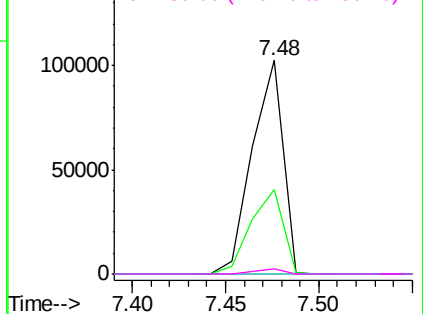


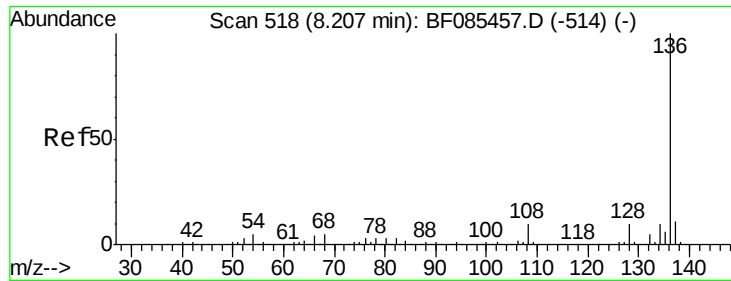
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

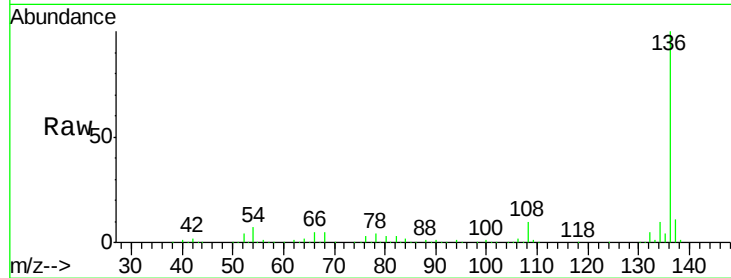




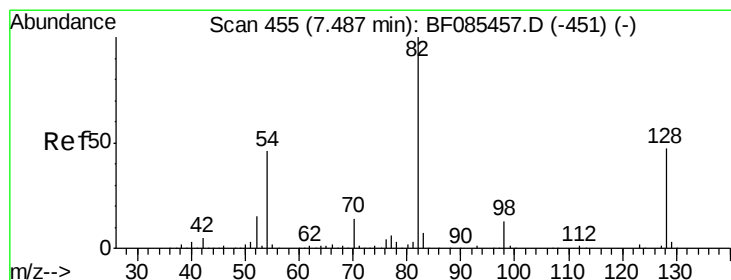
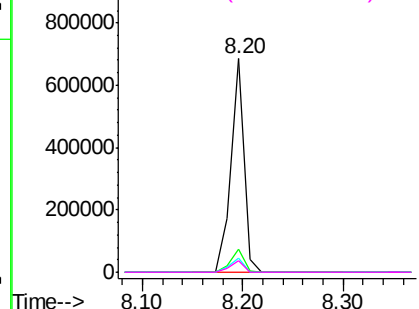
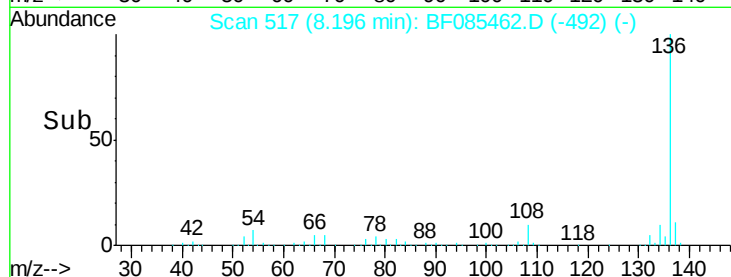
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 619887
Ion Ratio	Lower Upper
136 100	
137 11.1	9.3 13.9
54 6.5	7.4 11.2#
68 5.5	6.0 9.0#

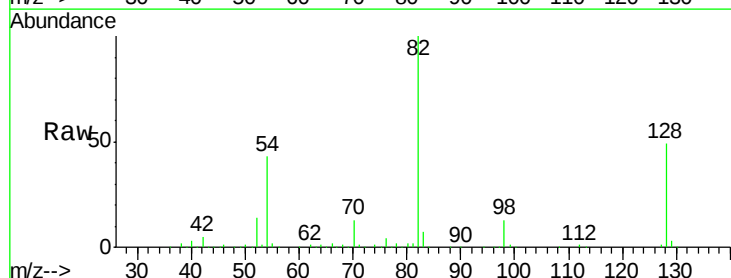


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

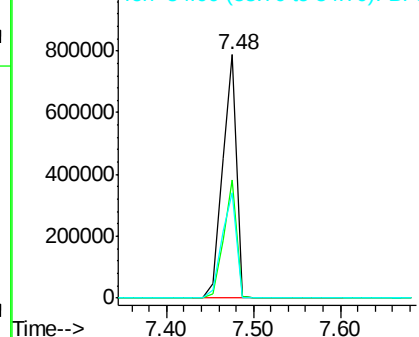
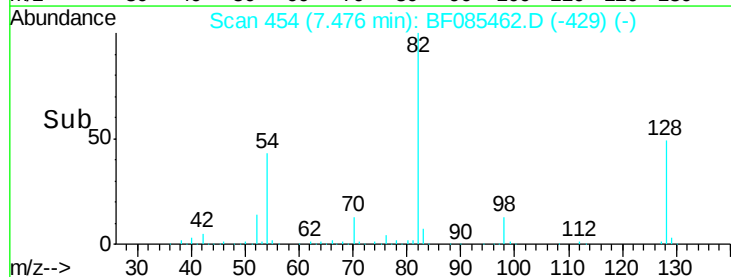


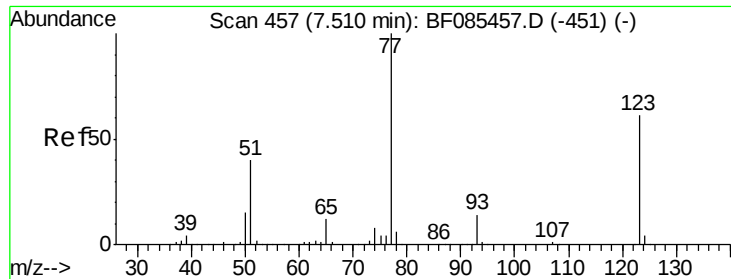
#23
Nitrobenzene-d5
Concen: 85.09 ng
RT: 7.48 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

Tgt Ion: 82	Resp: 892126
Ion Ratio	Lower Upper
82 100	
128 48.7	34.5 51.7
54 43.3	39.3 58.9



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

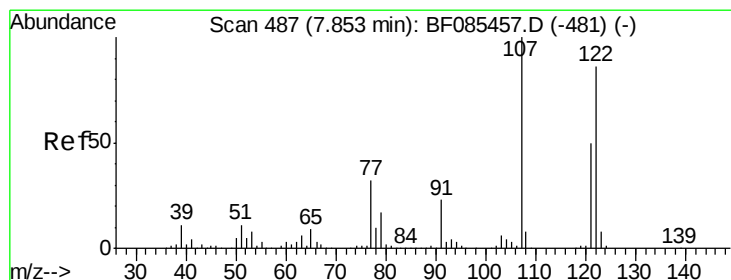
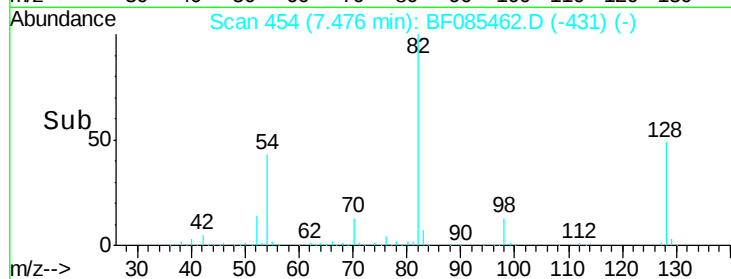
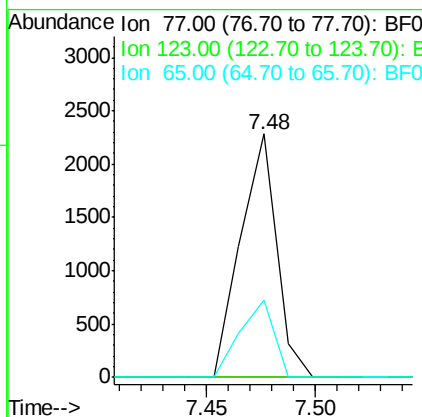
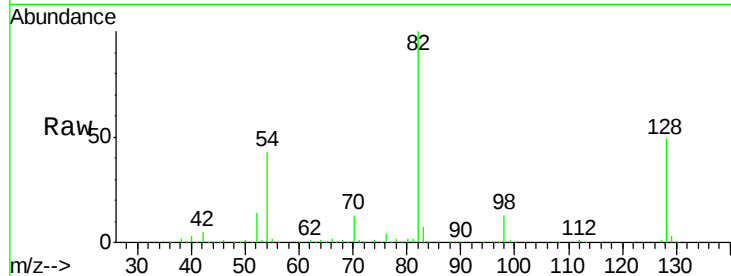




#24
 Nitrobenzene
 Concen: 0.22 ng
 RT: 7.48 min Scan# 454
 Delta R.T. -0.03 min
 Lab File: BF085462.D
 Acq: 15 Mar 2016 19:01

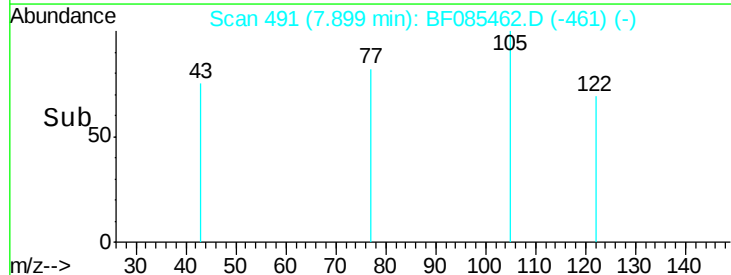
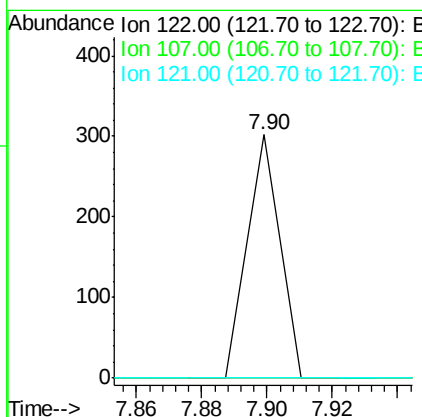
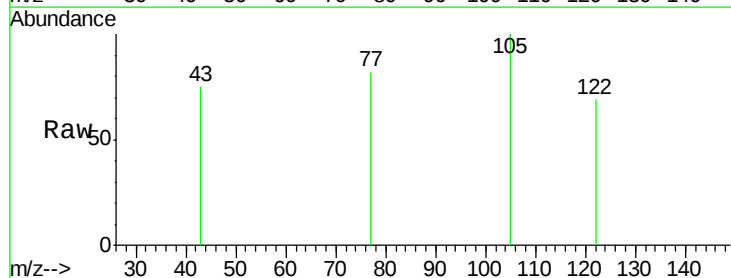
Instrument :
 BNA_F
 ClientSampleId :

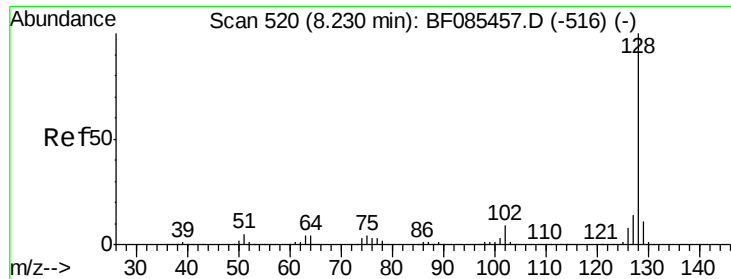
Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	35.4	53.2#
65	32.0	10.6	16.0#



#27
 2,4-Dimethylphenol
 Concen: 0.02 ng
 RT: 7.90 min Scan# 491
 Delta R.T. 0.05 min
 Lab File: BF085462.D
 Acq: 15 Mar 2016 19:01

Tgt Ion	Ratio	Lower	Upper
122	100		
107	0.0	84.8	127.2#
121	0.0	47.0	70.6#

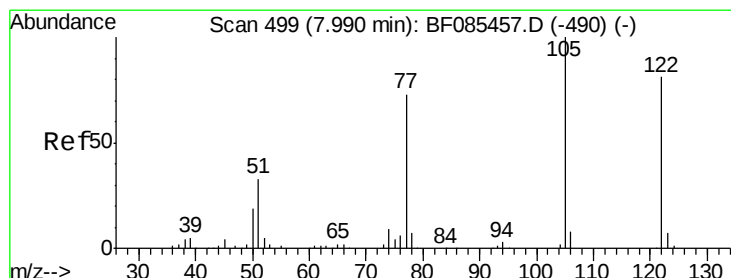
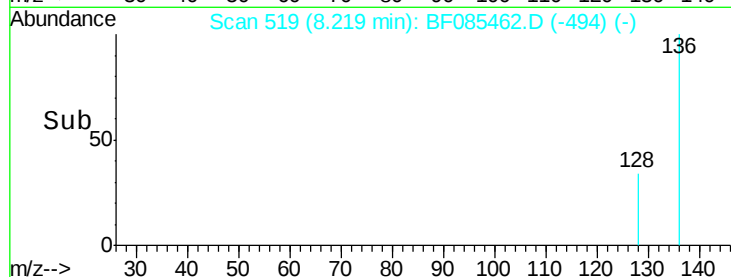
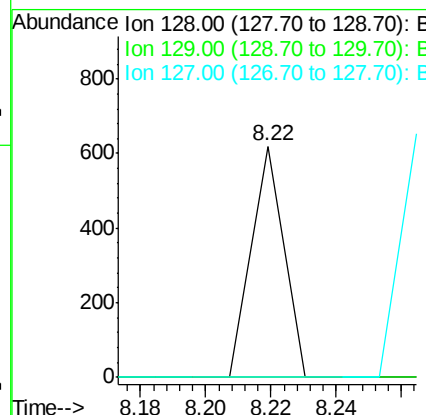
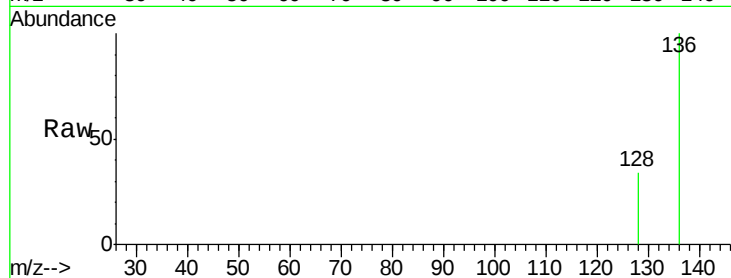




#31
Naphthalene
Concen: 0.01 ng
RT: 8.22 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

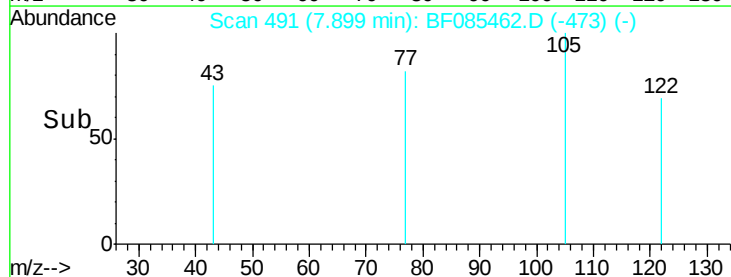
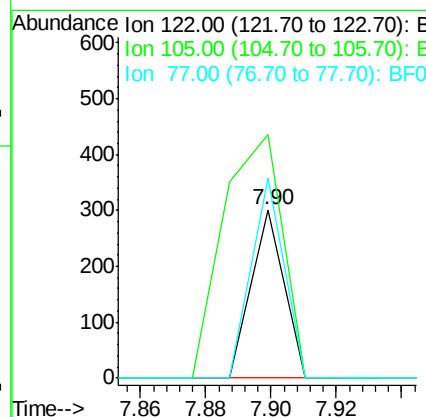
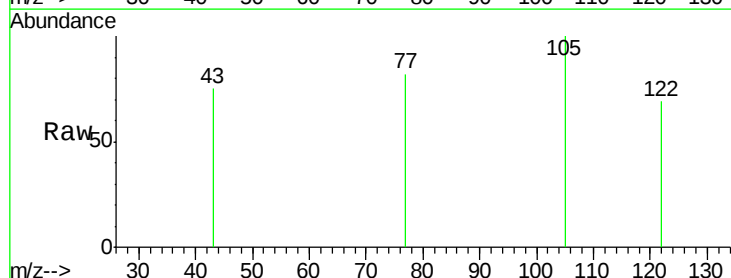
Instrument :
BNA_F
ClientSampleId :

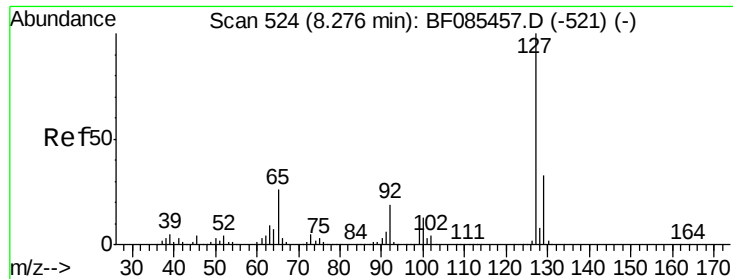
Tot Ion:128 Resp: 425
Ion Ratio Lower Upper
128 100
129 0.0 9.7 14.5#
127 0.0 11.2 16.8#



#32
Benzoic acid
Concen: 0.04 ng
RT: 7.90 min Scan# 491
Delta R.T. -0.09 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

Tgt Ion:122 Resp: 207
Ion Ratio Lower Upper
122 100
105 144.4 101.3 141.3#
77 118.9 74.7 114.7#

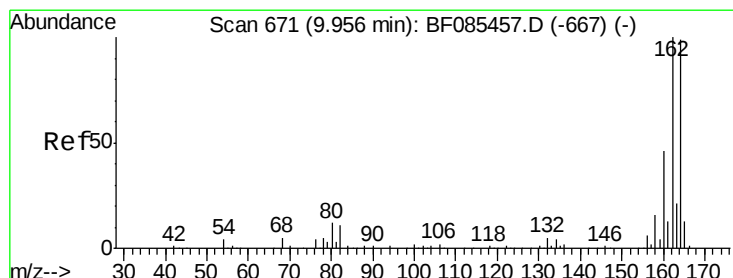
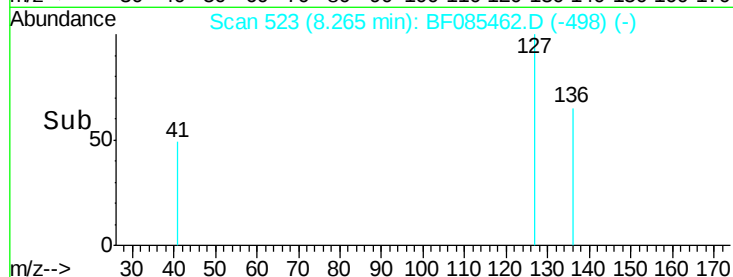
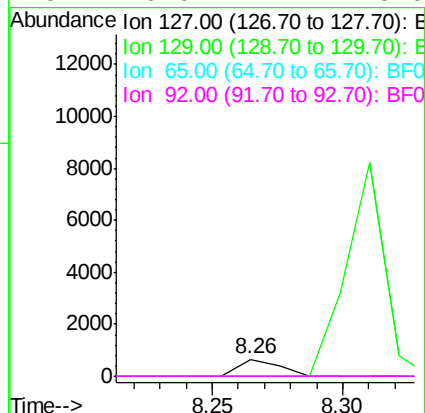
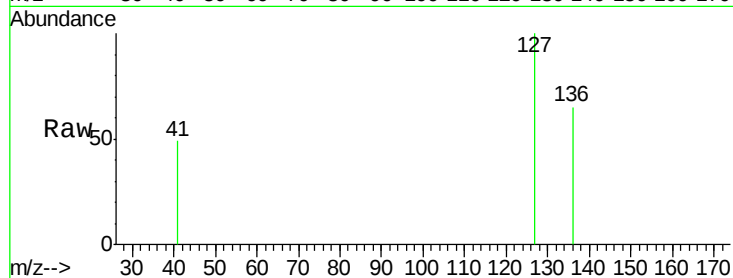




#33
4-Chloroaniline
Concen: 0.05 ng
RT: 8.26 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

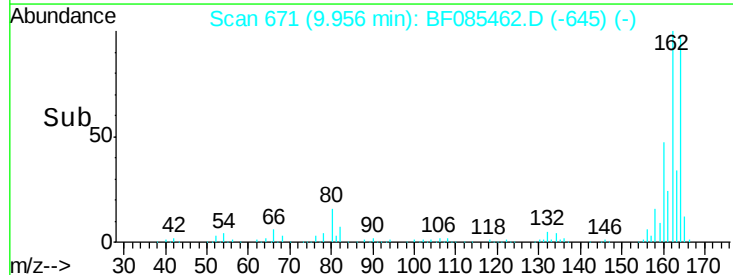
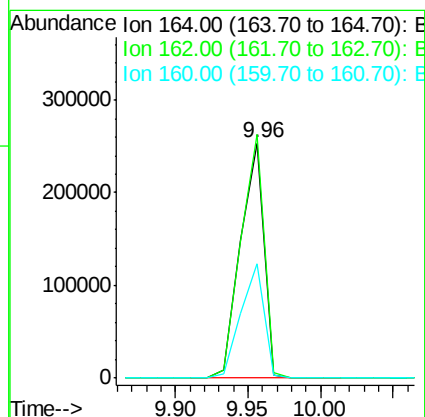
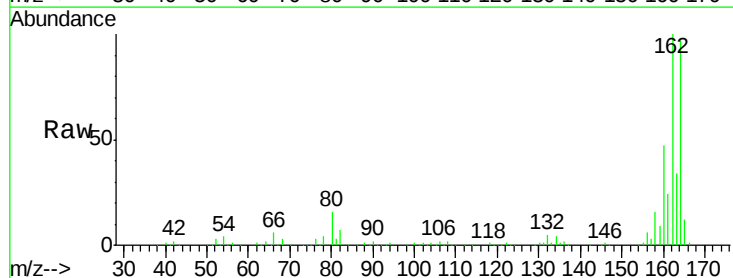
Instrument :
BNA_F
ClientSampleId :

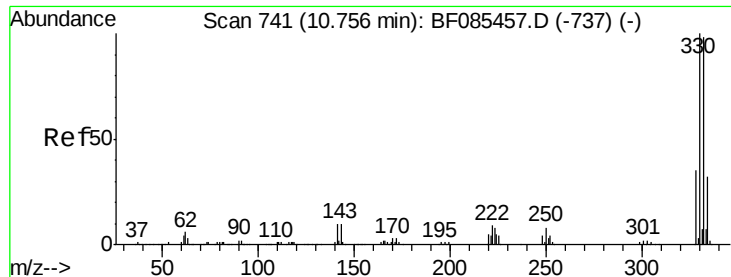
Tot Ion:127 Resp: 702
Ion Ratio Lower Upper
127 100
129 0.0 26.1 39.1#
65 0.0 27.0 40.6#
92 0.0 17.4 26.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.96 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

Tgt Ion:164 Resp: 284240
Ion Ratio Lower Upper
164 100
162 103.5 83.3 124.9
160 48.5 37.9 56.9

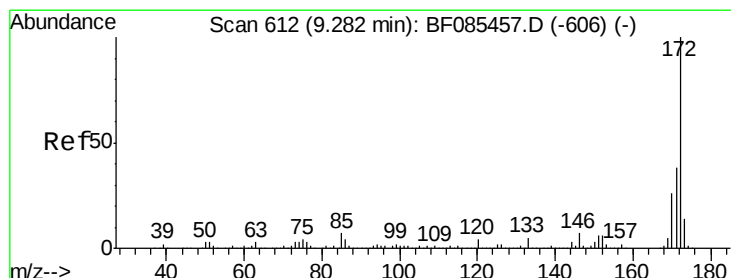
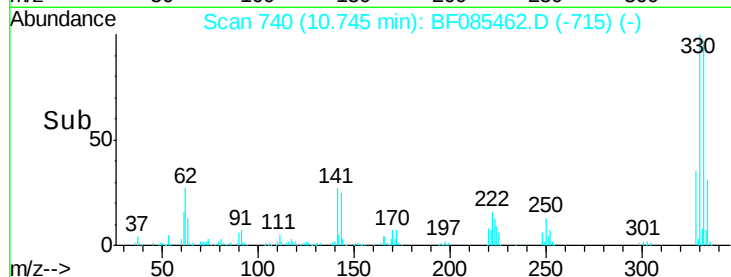
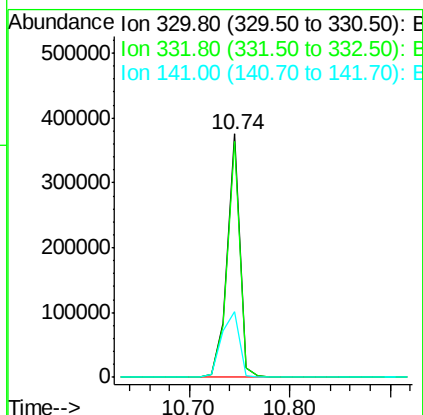
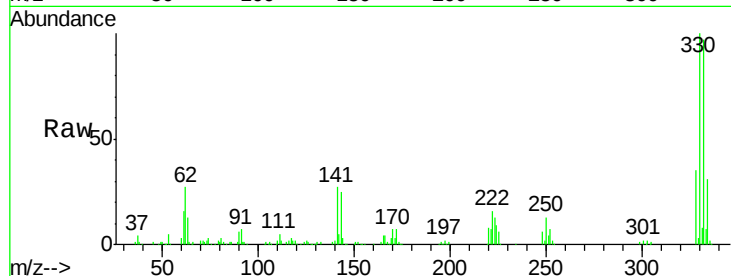




#41
 2,4,6-Tribromophenol
 Concen: 126.48 ng
 RT: 10.74 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF085462.D
 Acq: 15 Mar 2016 19:01

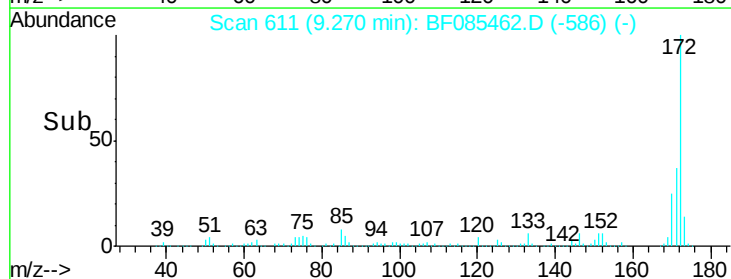
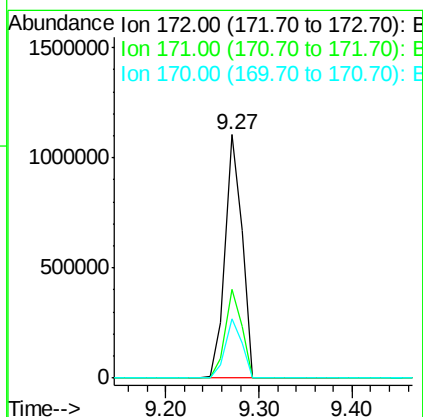
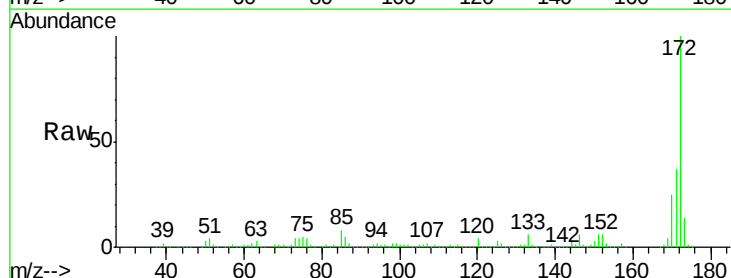
Instrument :
 BNA_F
 ClientSampleId :

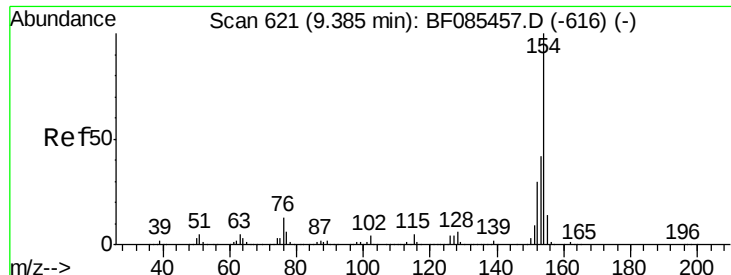
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.1	115.7
141	37.8	35.0	52.6



#44
 2-Fluorobiphenyl
 Concen: 85.52 ng
 RT: 9.27 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF085462.D
 Acq: 15 Mar 2016 19:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.3	43.9
170	24.5	20.0	30.0





#45

1,1'-Biphenyl

Concen: 0.01 ng

RT: 9.37 min Scan# 620

Delta R.T. -0.01 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

Instrument :

BNA_F

ClientSampleId :

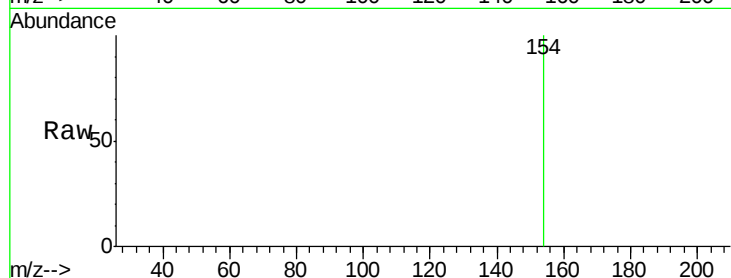
Tot Ion:154 Resp: 331

Ion Ratio Lower Upper

154 100

153 0.0 21.4 61.4#

76 0.0 0.0 37.5

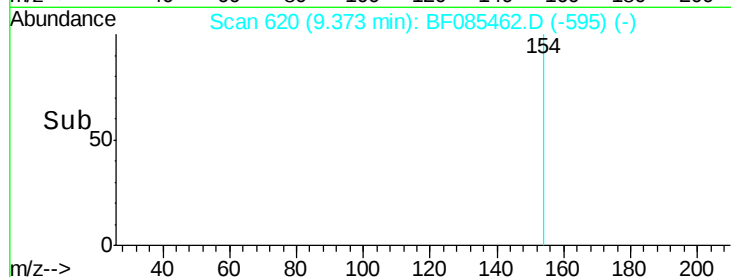


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

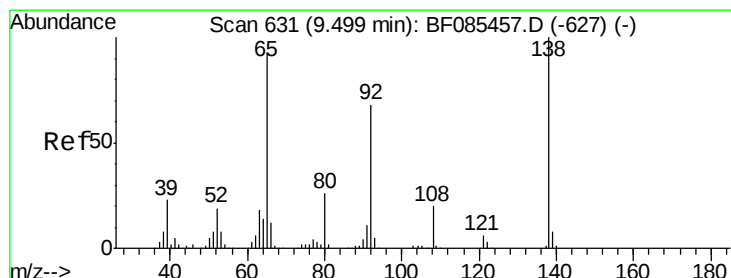
Ion 76.00 (75.70 to 76.70): E

Time-->



9.37

Time-->



#47

2-Nitroaniline

Concen: 0.37 ng

RT: 9.27 min Scan# 611

Delta R.T. -0.23 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

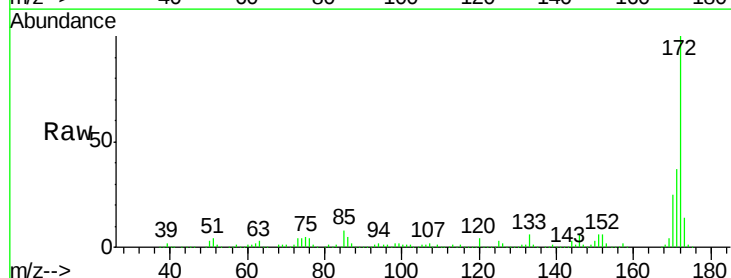
Tgt Ion: 65 Resp: 1938

Ion Ratio Lower Upper

65 100

92 247.6 55.4 83.2#

138 39.9 75.7 113.5#

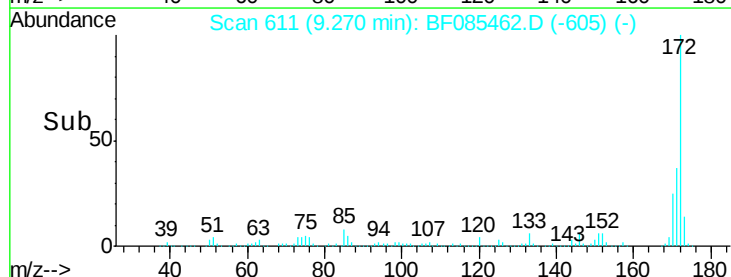


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

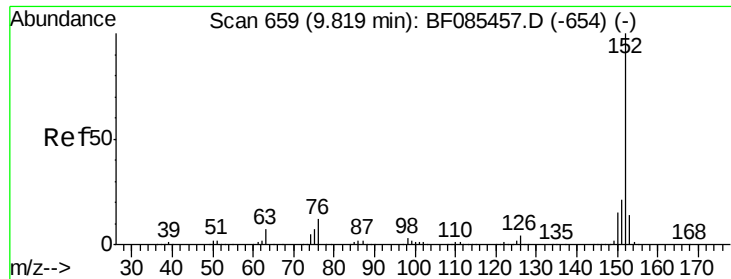
Ion 138.00 (137.70 to 138.70): E

Time-->



9.27

Time-->



#48

Acenaphthylene

Concen: 0.01 ng

RT: 9.81 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

Instrument :

BNA_F

ClientSampled :

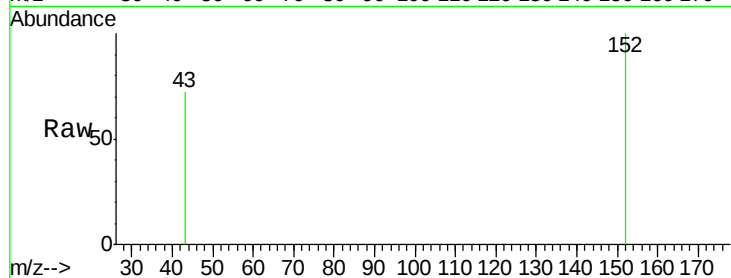
Tot Ion:152 Resp: 293

Ion Ratio Lower Upper

152 100

151 0.0 17.5 26.3#

153 0.0 11.3 16.9#



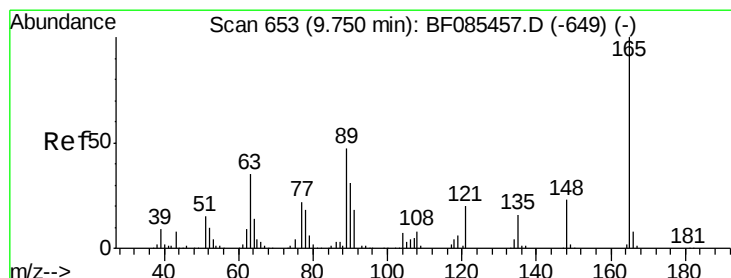
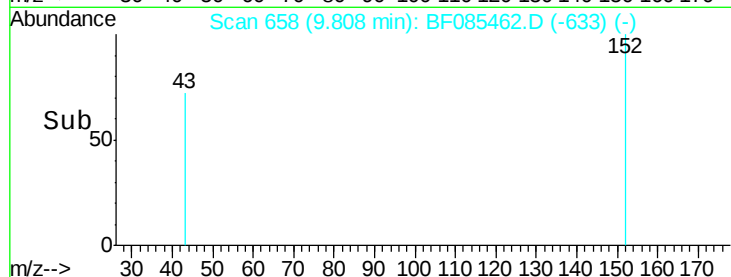
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

9.81

Time-->



#50

2,6-Dinitrotoluene

Concen: 7.89 ng

RT: 9.96 min Scan# 671

Delta R.T. 0.21 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

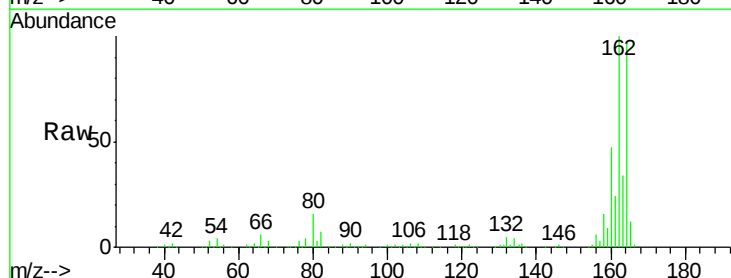
Tgt Ion:165 Resp: 36150

Ion Ratio Lower Upper

165 100

63 1.1 41.8 62.8#

89 1.7 46.7 70.1#



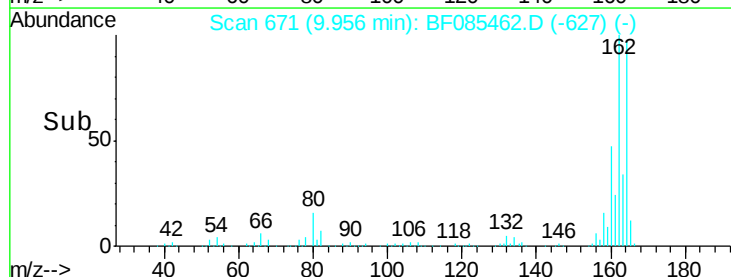
Abundance Ion 165.00 (164.70 to 165.70): E

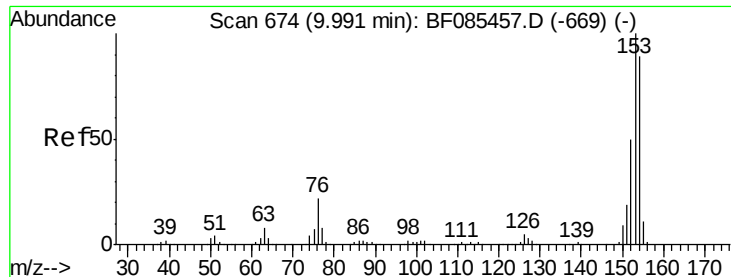
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

9.96

Time-->





#51

Acenaphthene

Concen: 0.07 ng

RT: 9.96 min Scan# 671

Delta R.T. -0.03 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

Instrument :

BNA_F

ClientSampled :

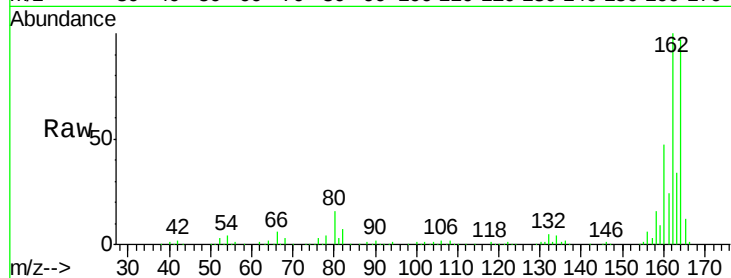
Tot Ion:154 Resp: 1158

Ion Ratio Lower Upper

154 100

153 0.0 89.8 134.8#

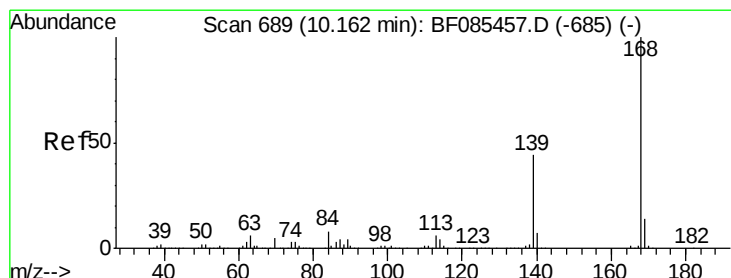
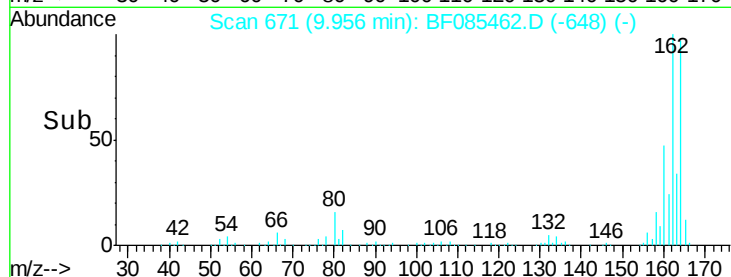
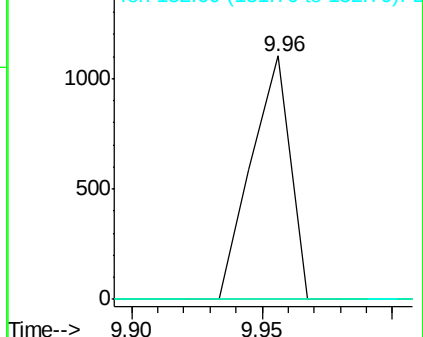
152 0.0 44.6 66.8#



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: 0.03 ng

RT: 10.15 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

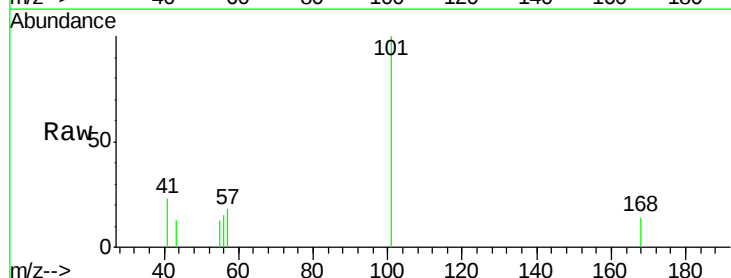
Tgt Ion:168 Resp: 719

Ion Ratio Lower Upper

168 100

139 0.0 33.6 50.4#

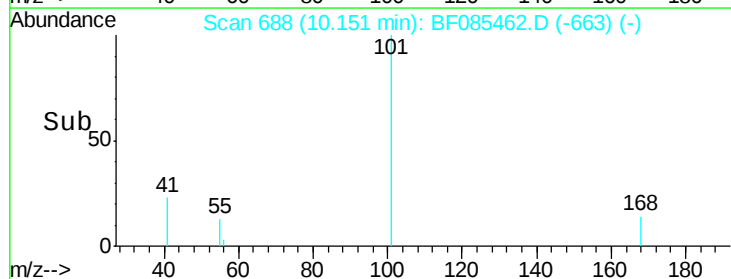
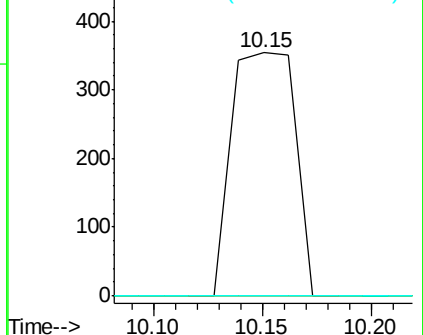
169 0.0 11.2 16.8#

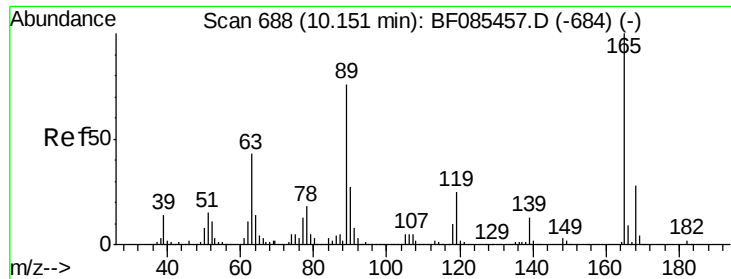


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

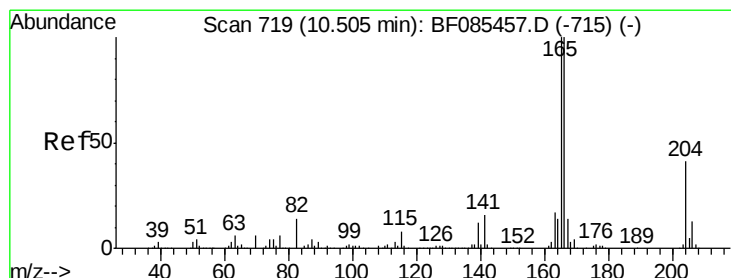
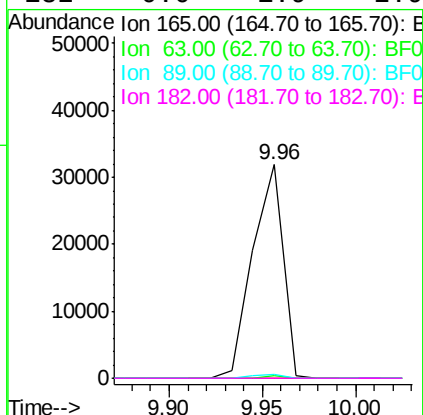
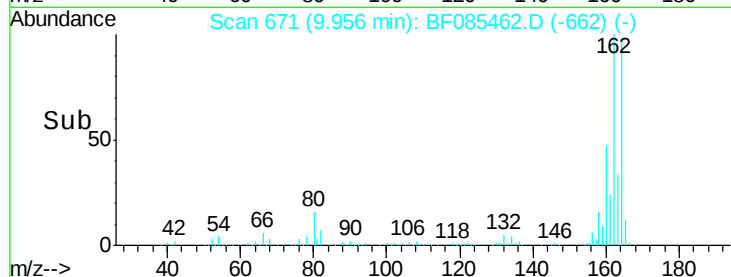
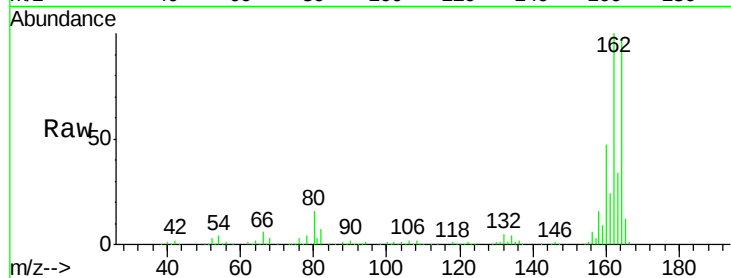




#56
2,4-Dinitrotoluene
Concen: 6.29 ng
RT: 9.96 min Scan# 671
Delta R.T. -0.19 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

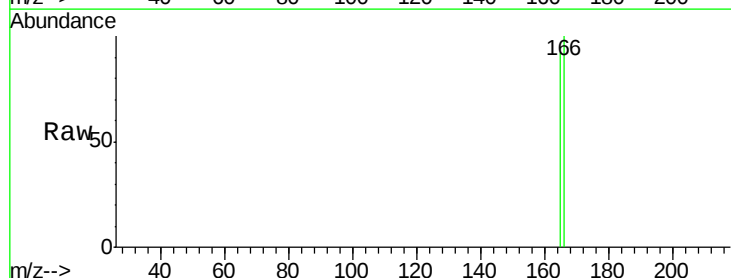
Instrument :
BNA_F
ClientSampleId :

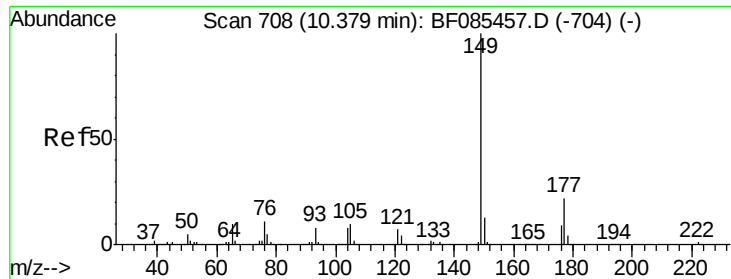
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	35.4	53.0#
89	1.7	61.9	92.9#
182	0.0	1.9	2.9#



#57
Fluorene
Concen: 0.03 ng
RT: 10.49 min Scan# 718
Delta R.T. -0.01 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	91.9	79.4	119.0
167	0.0	11.0	16.6#

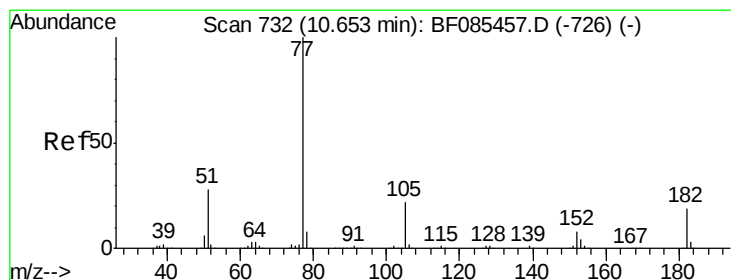
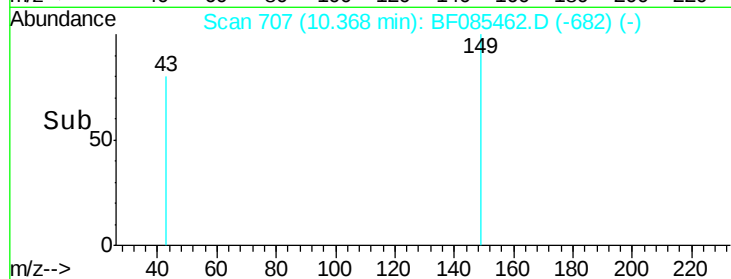
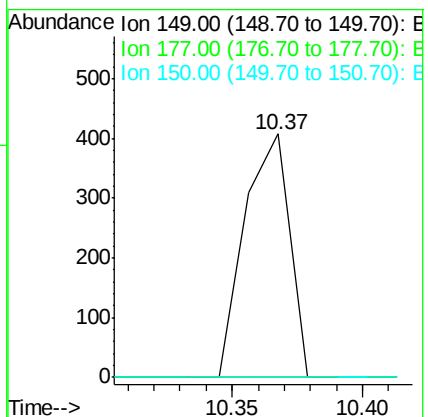
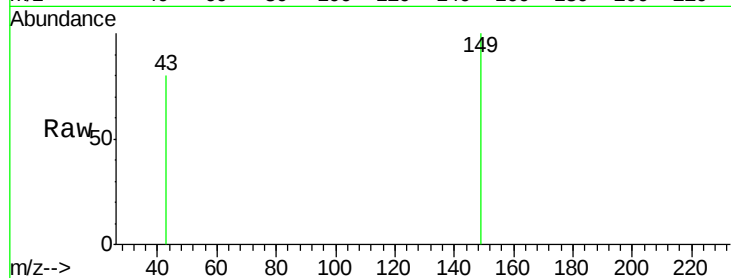




#59
Diethylphthalate
Concen: 0.02 ng
RT: 10.37 min Scan# 707
Delta R.T. -0.01 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

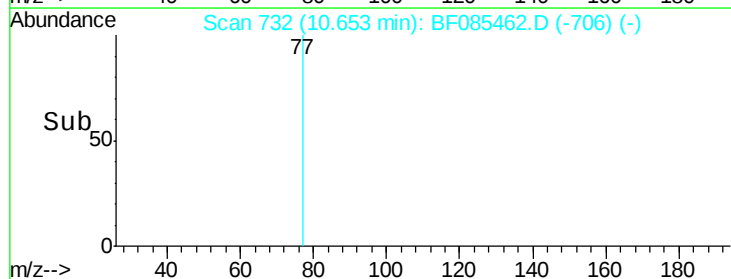
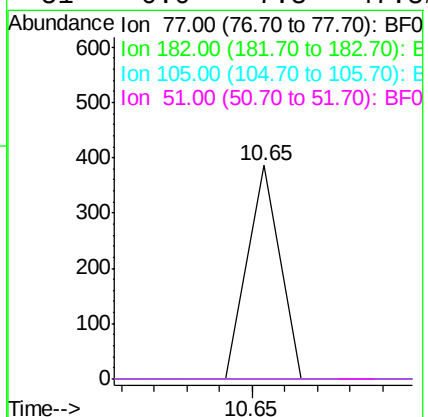
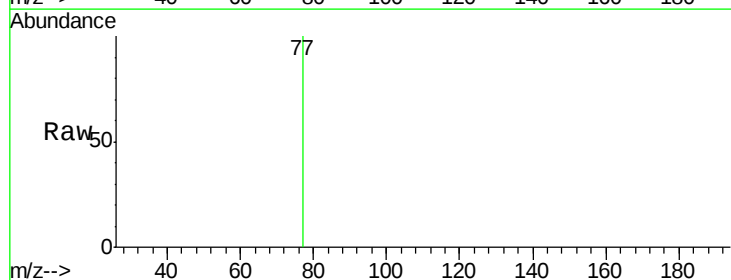
Instrument :
BNA_F
ClientSampled :

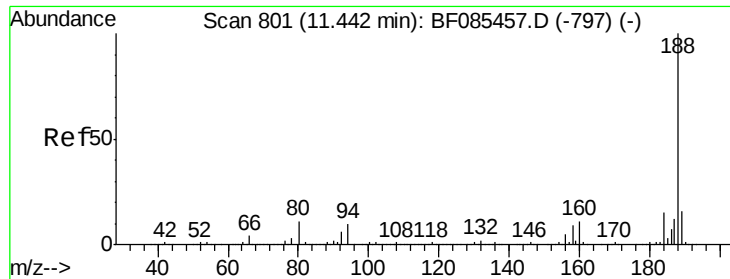
Tot Ion:149 Resp: 492
Ion Ratio Lower Upper
149 100
177 0.0 19.2 28.8#
150 0.0 9.9 14.9#



#62
Azobenzene
Concen: 0.01 ng
RT: 10.65 min Scan# 732
Delta R.T. 0.00 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

Tgt Ion: 77 Resp: 265
Ion Ratio Lower Upper
77 100
182 0.0 2.1 42.1#
105 0.0 3.8 43.8#
51 0.0 7.8 47.8#

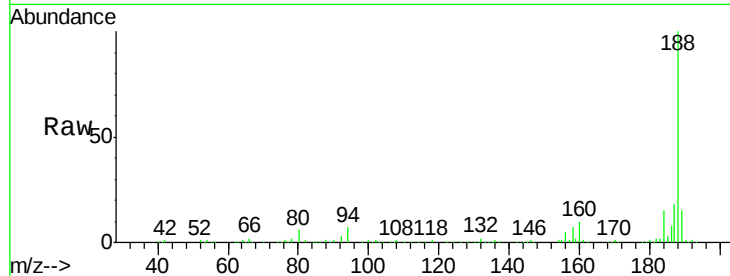




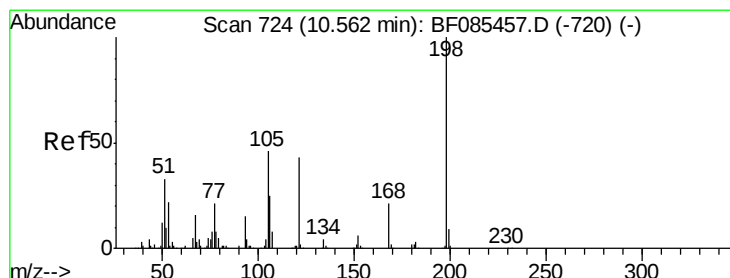
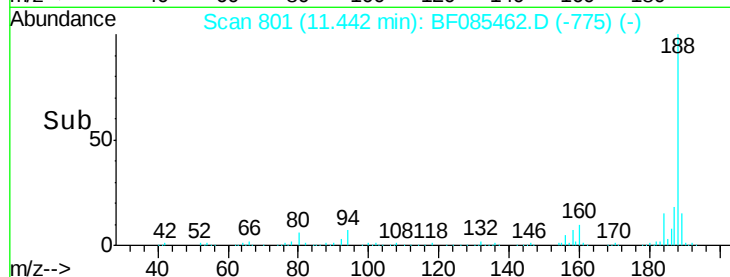
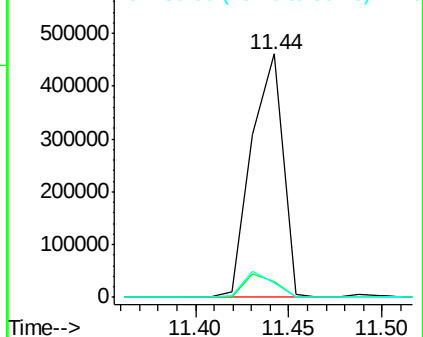
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: BF085462.D
 Acq: 15 Mar 2016 19:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 540234
 Ion Ratio Lower Upper
 188 100
 94 6.7 7.0 10.6#
 80 6.1 7.4 11.0#

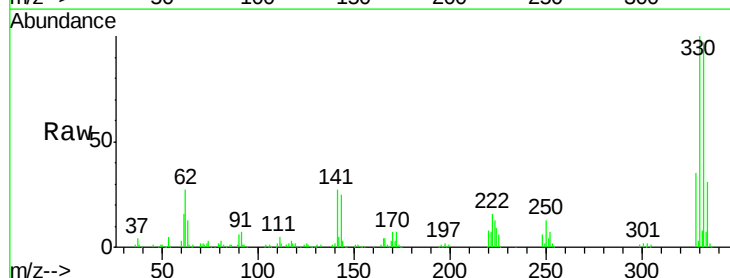


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

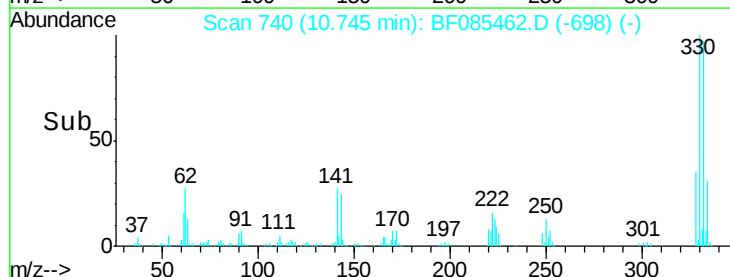
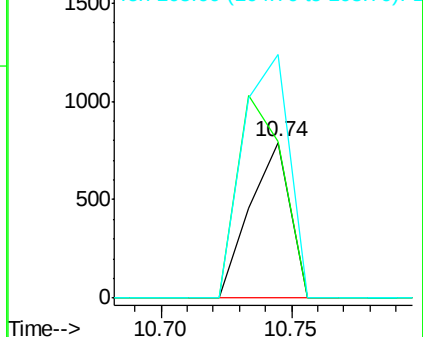


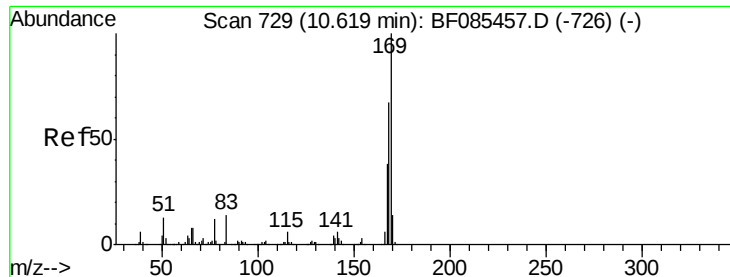
#64
 4,6-Dinitro-2-methylphenol
 Concen: 0.26 ng
 RT: 10.74 min Scan# 740
 Delta R.T. 0.18 min
 Lab File: BF085462.D
 Acq: 15 Mar 2016 19:01

Tgt Ion:198 Resp: 855
 Ion Ratio Lower Upper
 198 100
 51 100.4 9.5 49.5#
 105 156.6 20.5 60.5#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

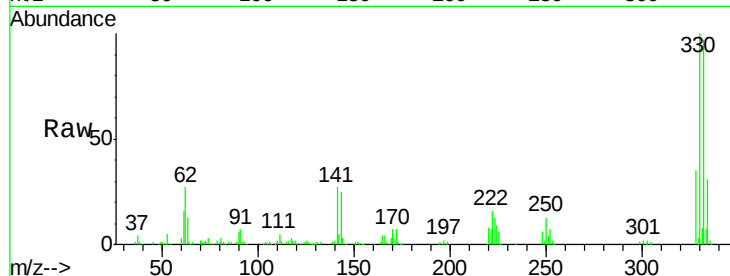




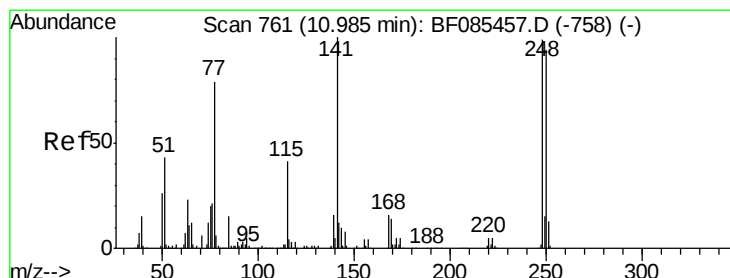
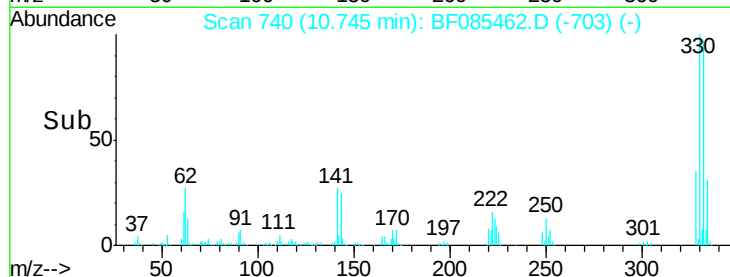
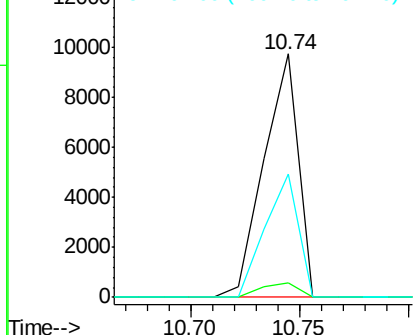
#65
n-Nitrosodiphenylamine
Concen: 0.65 ng
RT: 10.74 min Scan# 740
Delta R.T. 0.13 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:169 Resp: 10792
Ion Ratio Lower Upper
169 100
168 6.1 54.8 82.2#
167 50.4 30.3 45.5#

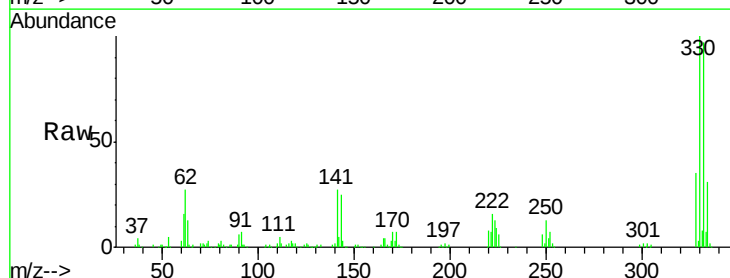


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

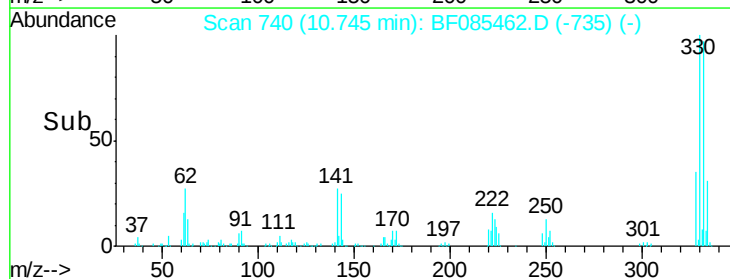
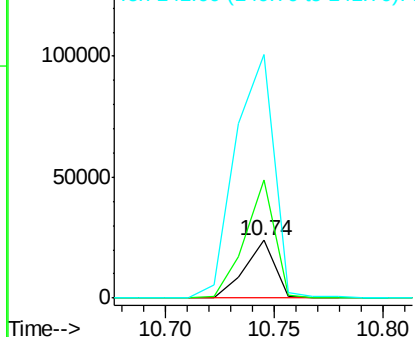


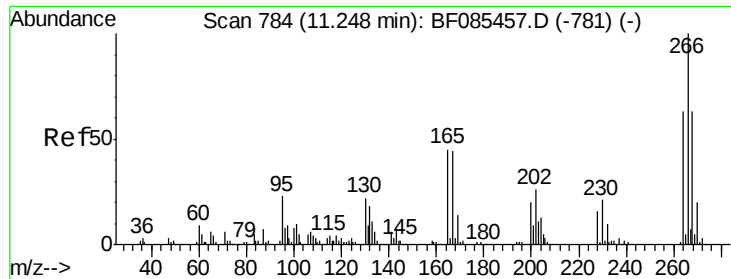
#66
4-Bromophenyl-phenylether
Concen: 4.16 ng
RT: 10.74 min Scan# 740
Delta R.T. -0.24 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

Tgt Ion:248 Resp: 22752
Ion Ratio Lower Upper
248 100
250 205.4 77.1 115.7#
141 422.6 66.2 99.2#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

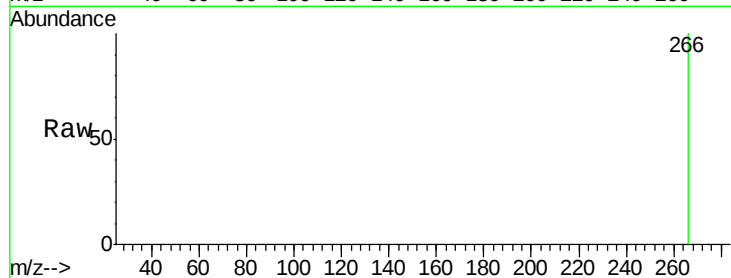




#69
 Pentachlorophenol
 Concen: 0.07 ng
 RT: 11.24 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF085462.D
 Acq: 15 Mar 2016 19:01

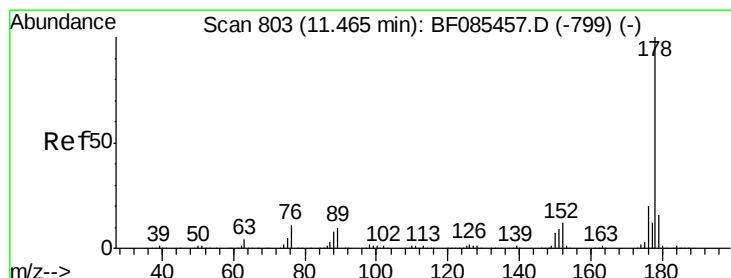
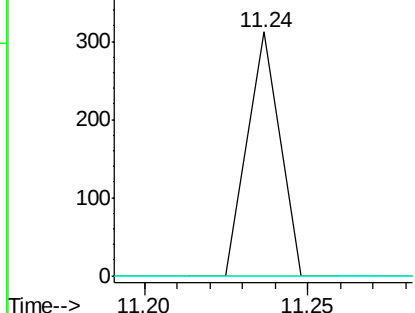
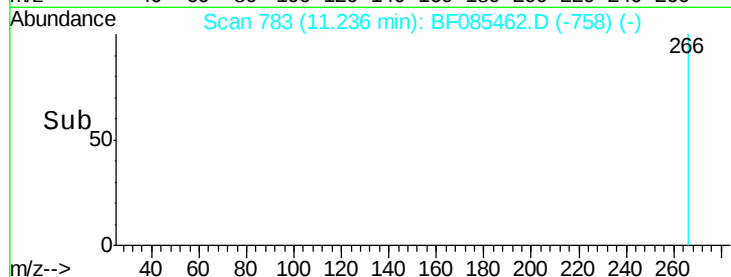
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 214
 Ion Ratio Lower Upper
 266 100
 268 0.0 50.0 75.0#
 264 0.0 51.4 77.2#



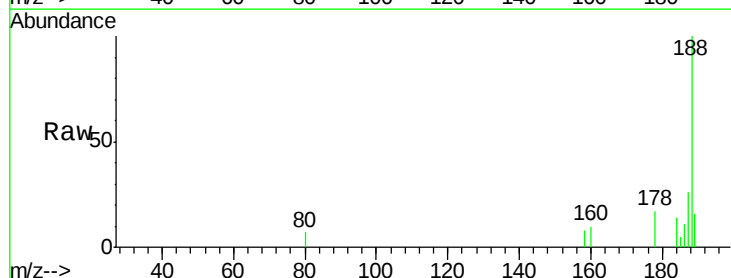
Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

11.24



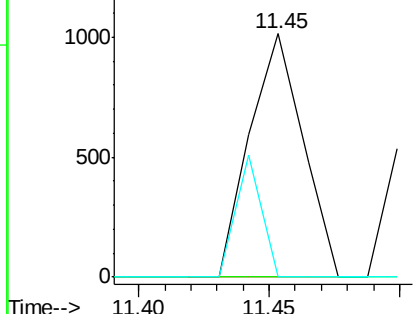
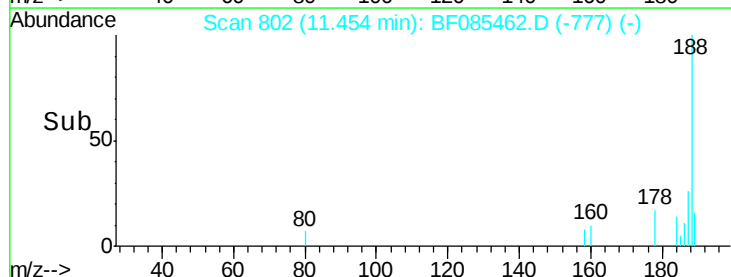
#70
 Phenanthrene
 Concen: 0.05 ng
 RT: 11.45 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF085462.D
 Acq: 15 Mar 2016 19:01

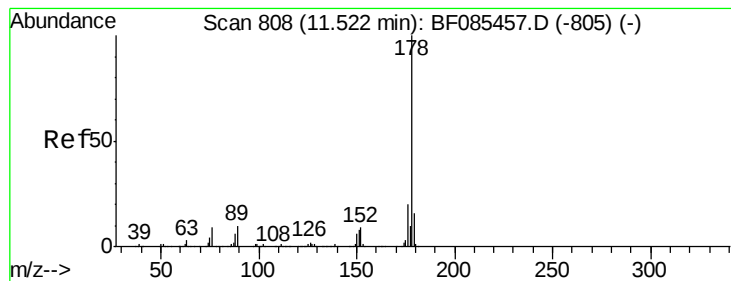
Tgt Ion:178 Resp: 1431
 Ion Ratio Lower Upper
 178 100
 176 0.0 16.8 25.2#
 179 0.0 13.1 19.7#



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

11.45





#71

Anthracene

Concen: 0.03 ng

RT: 11.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

Instrument :

BNA_F

ClientSampleId :

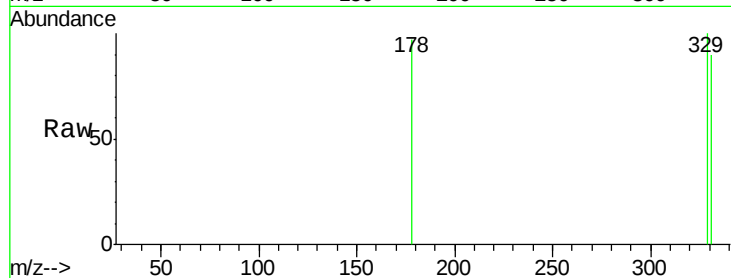
Tot Ion:178 Resp: 778

Ion Ratio Lower Upper

178 100

176 0.0 15.9 23.9#

179 0.0 12.5 18.7#

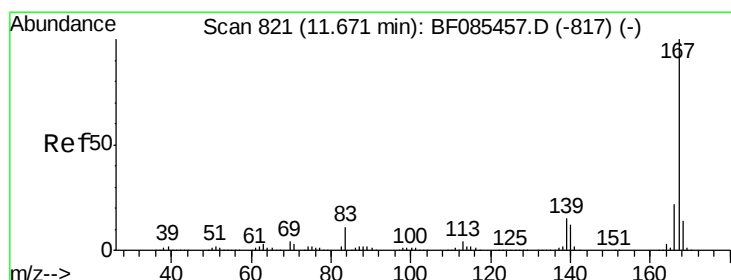
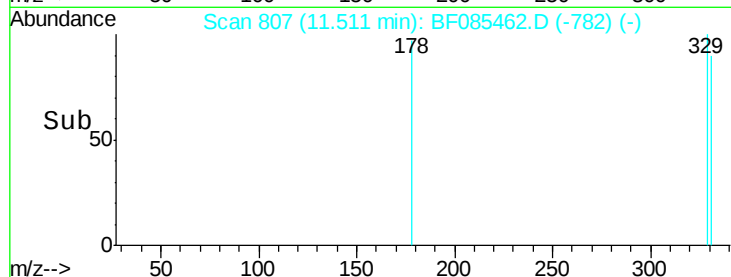
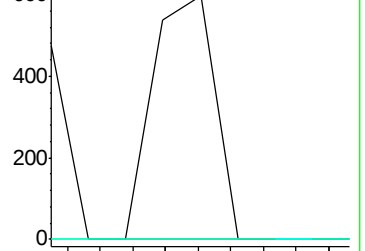


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

11.51



#72

Carbazole

Concen: 0.03 ng

RT: 11.67 min Scan# 821

Delta R.T. 0.00 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

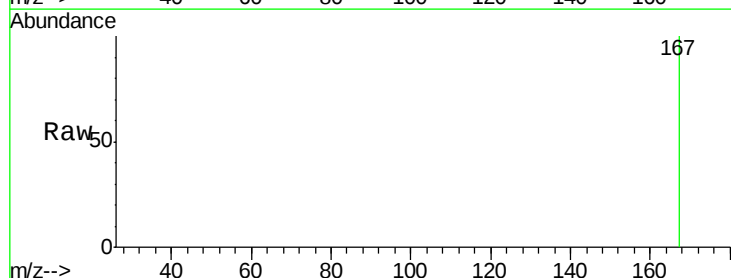
Tgt Ion:167 Resp: 708

Ion Ratio Lower Upper

167 100

166 0.0 18.2 27.2#

139 0.0 11.4 17.0#

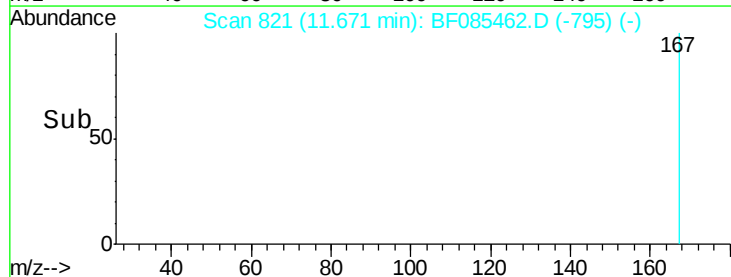
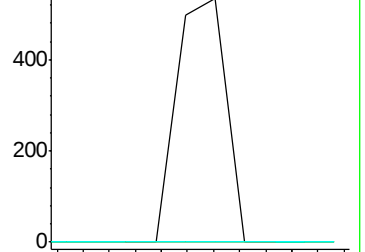


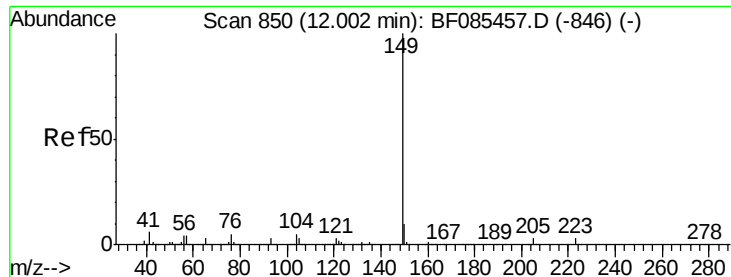
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

11.67

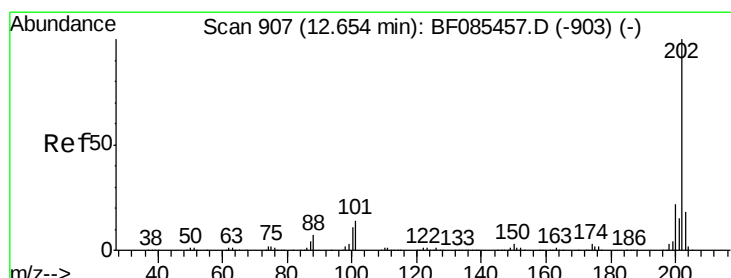
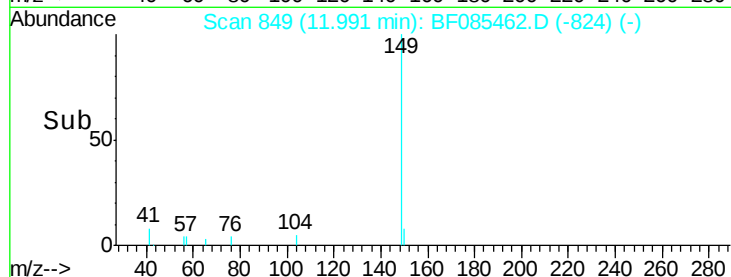
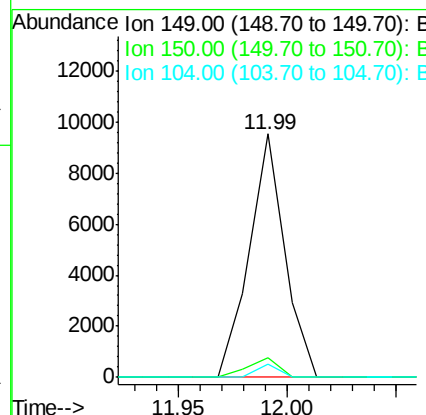
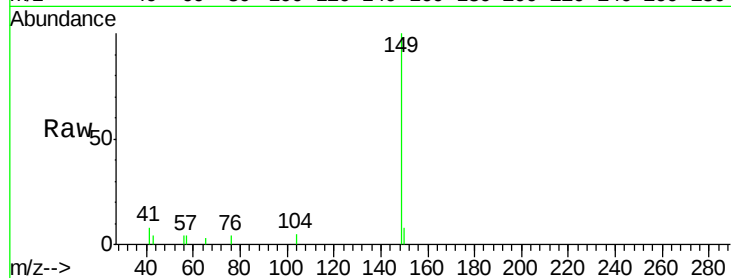




#73
Di-n-butylphthalate
Concen: 0.36 ng
RT: 11.99 min Scan# 849
Delta R.T. -0.01 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

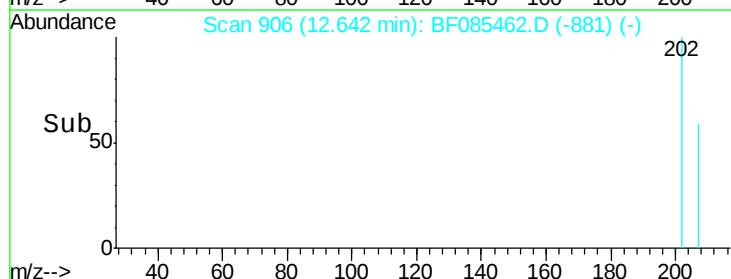
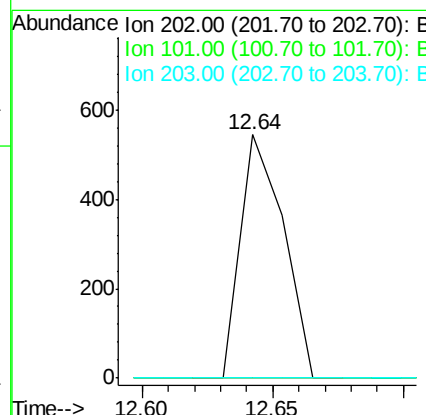
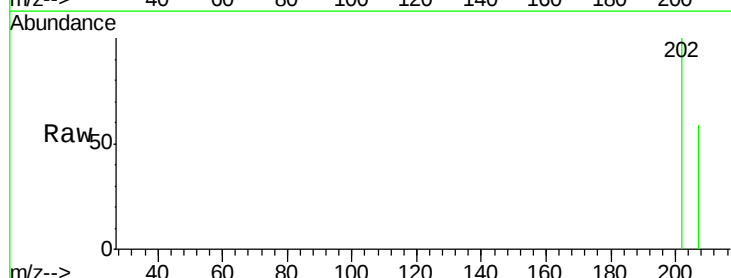
Instrument :
BNA_F
ClientSampleId :

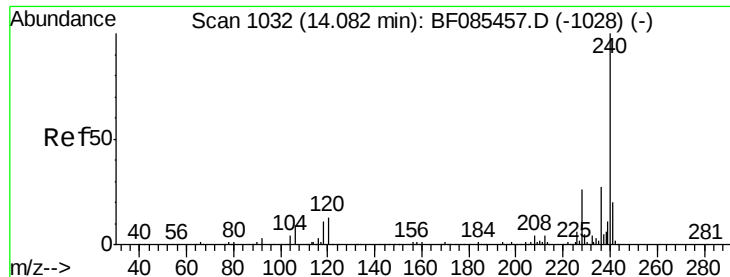
Tot Ion:149 Resp: 10803
Ion Ratio Lower Upper
149 100
150 8.1 7.8 11.6
104 5.5 4.7 7.1



#74
Fluoranthene
Concen: 0.02 ng
RT: 12.64 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

Tgt Ion:202 Resp: 623
Ion Ratio Lower Upper
202 100
101 0.0 0.0 31.8
203 0.0 0.0 38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

Instrument :

BNA_F

ClientSampled :

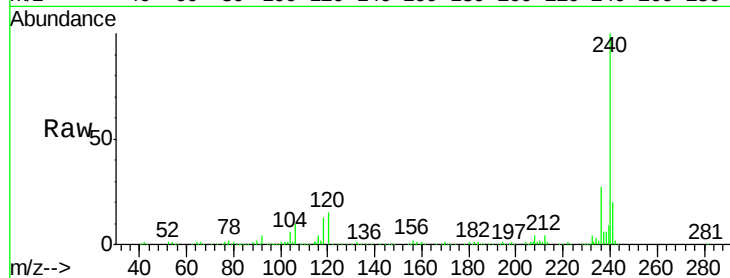
Tot Ion:240 Resp: 372818

Ion Ratio Lower Upper

240 100

120 15.1 5.3 7.9#

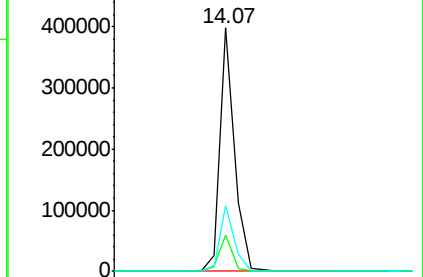
236 27.0 20.7 31.1



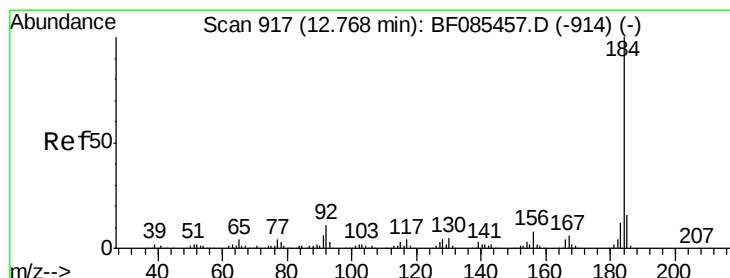
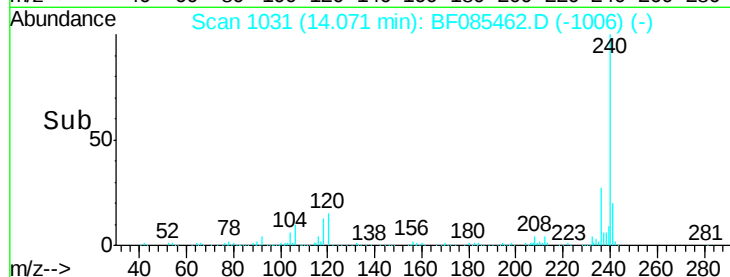
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#76

Benzidine

Concen: 1.01 ng

RT: 12.77 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

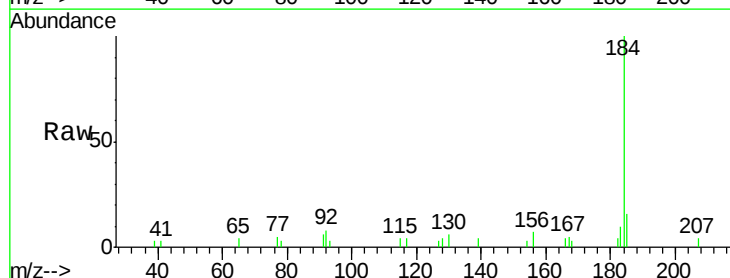
Tgt Ion:184 Resp: 11702

Ion Ratio Lower Upper

184 100

185 16.2 12.4 18.6

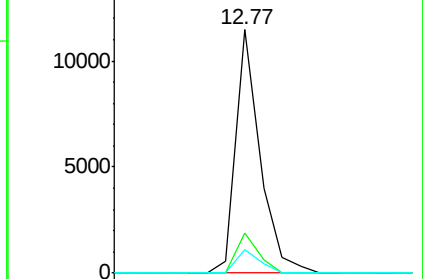
183 9.9 9.4 14.2



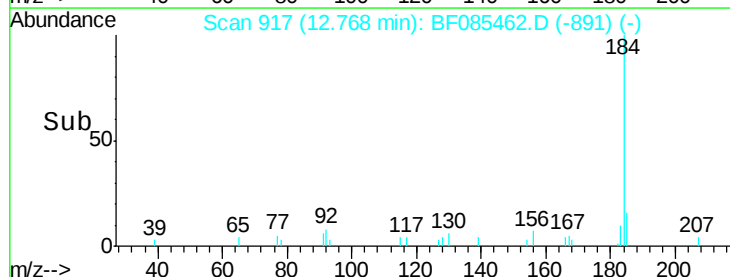
Abundance Ion 184.00 (183.70 to 184.70): E

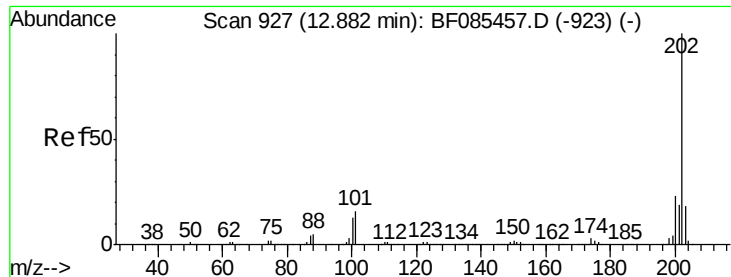
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->

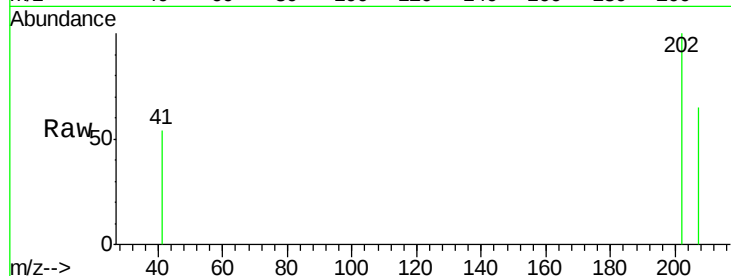




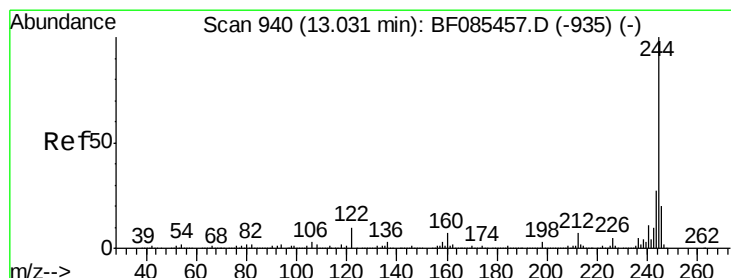
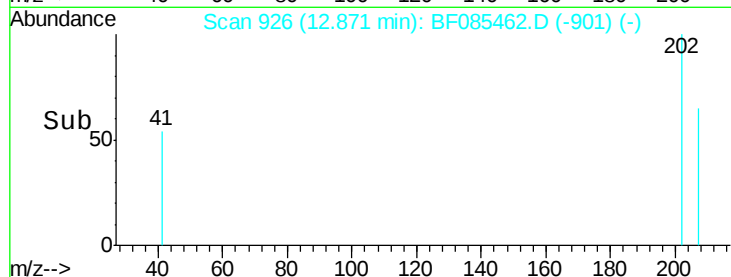
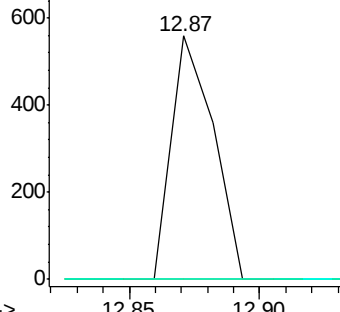
#77
 Pvrene
 Concen: 0.02 ng
 RT: 12.87 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BF085462.D
 Acq: 15 Mar 2016 19:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 631
 Ion Ratio Lower Upper
 202 100
 200 0.0 18.2 27.4#
 203 0.0 14.7 22.1#

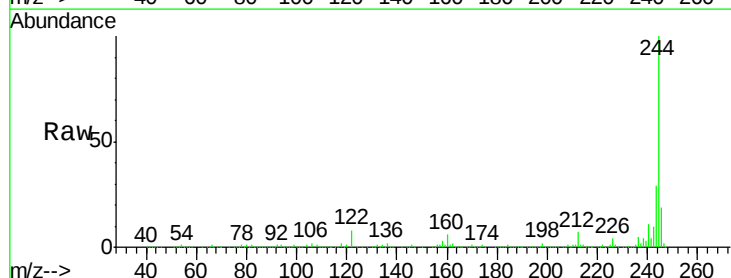


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

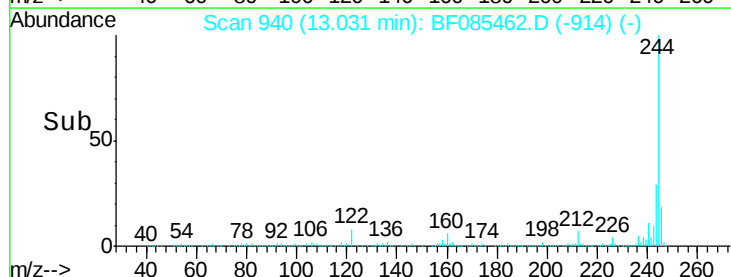
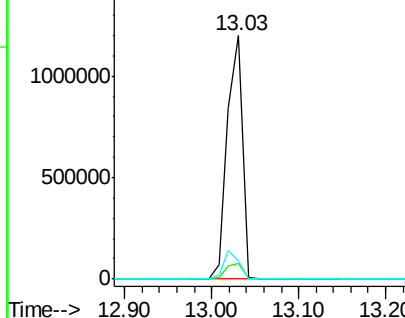


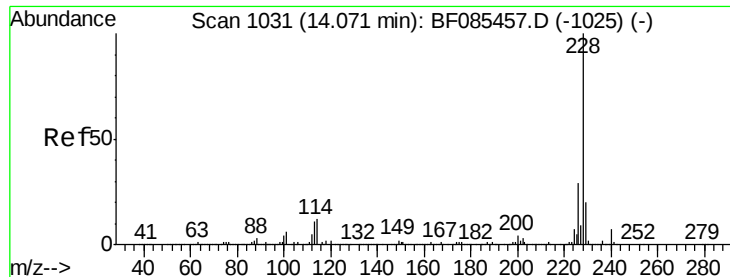
#78
 Terphenyl-d14
 Concen: 88.58 ng
 RT: 13.03 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: BF085462.D
 Acq: 15 Mar 2016 19:01

Tgt Ion:244 Resp: 1459783
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.4 9.6
 122 7.5 11.4 17.2#



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





#80

Benzo(a)anthracene

Concen: 0.08 ng

RT: 14.07 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

Instrument :

BNA_F

ClientSampleId :

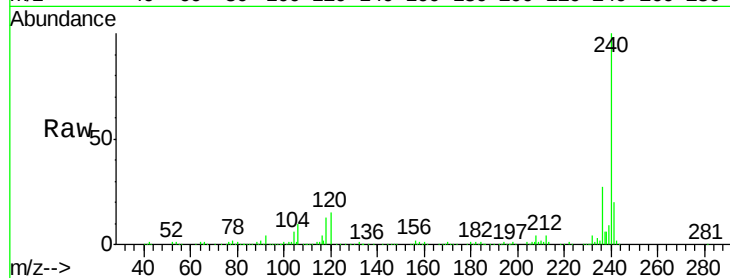
Tot Ion:228 Resp: 1702

Ion Ratio Lower Upper

228 100

226 0.0 22.8 34.2#

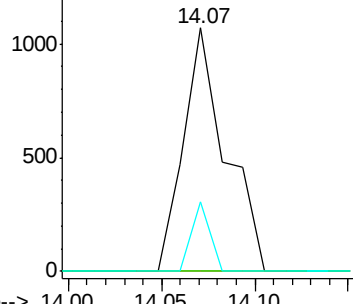
229 28.5 16.6 24.8#



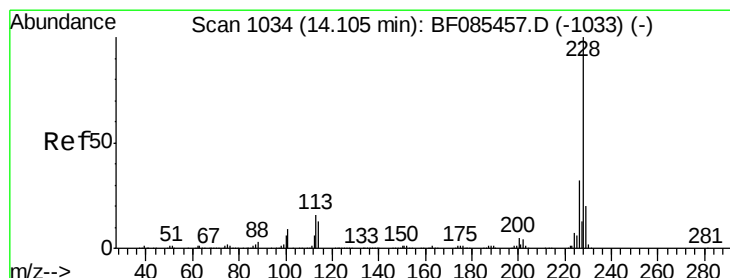
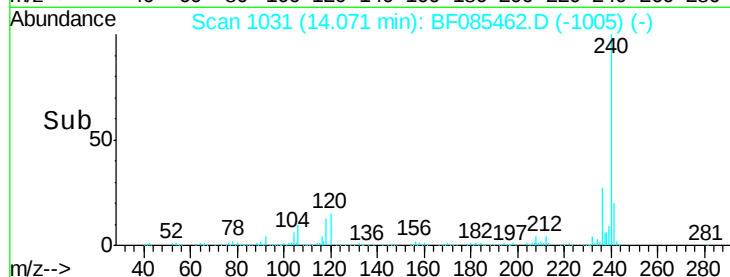
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 14.00 14.05 14.10



#82

Chrysene

Concen: 0.09 ng

RT: 14.07 min Scan# 1031

Delta R.T. -0.03 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

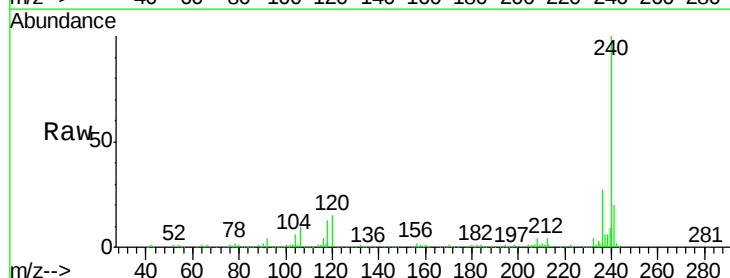
Tgt Ion:228 Resp: 1702

Ion Ratio Lower Upper

228 100

226 0.0 25.2 37.8#

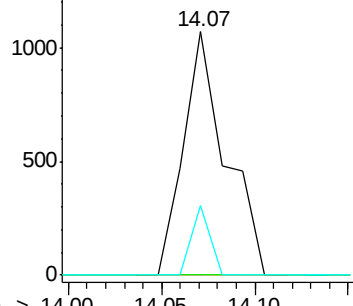
229 28.5 16.0 24.0#



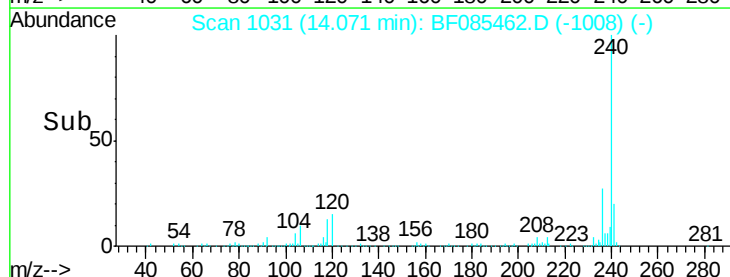
Abundance Ion 228.00 (227.70 to 228.70): E

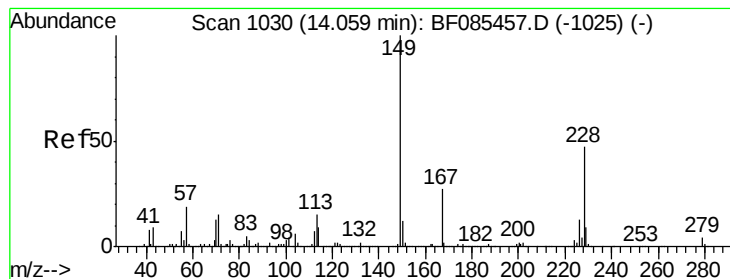
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 14.00 14.05 14.10





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.04 ng

RT: 14.05 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

Instrument :

BNA_F

ClientSampleId :

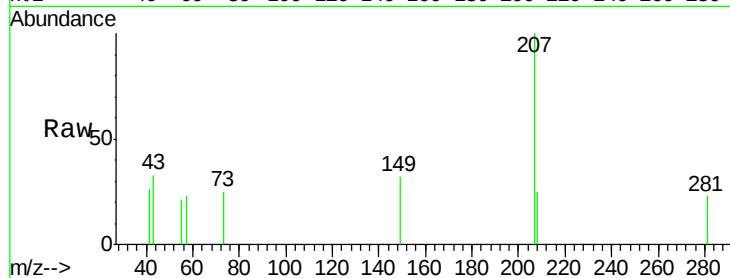
Tot Ion:149 Resp: 541

Ion Ratio Lower Upper

149 100

167 0.0 20.3 30.5#

279 0.0 1.9 2.9#



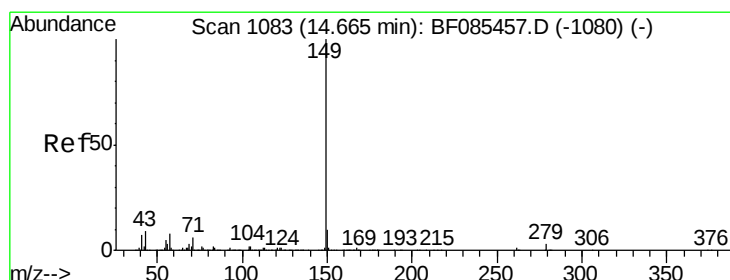
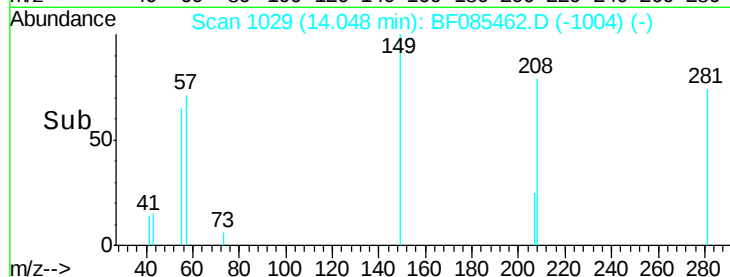
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

14.05

Time--> 14.00 14.05 14.10



#84

Di-n-octyl phthalate

Concen: 0.01 ng

RT: 14.67 min Scan# 1083

Delta R.T. 0.00 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

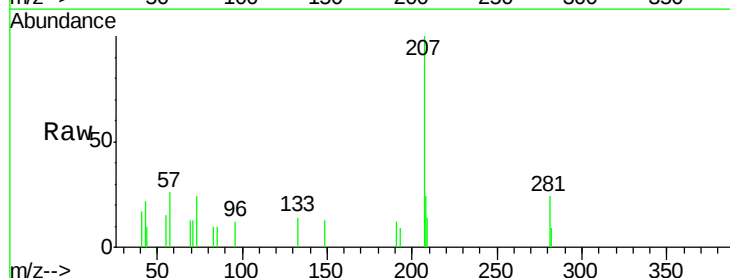
Tgt Ion:149 Resp: 301

Ion Ratio Lower Upper

149 100

167 0.0 1.1 1.7#

43 0.0 7.8 11.8#



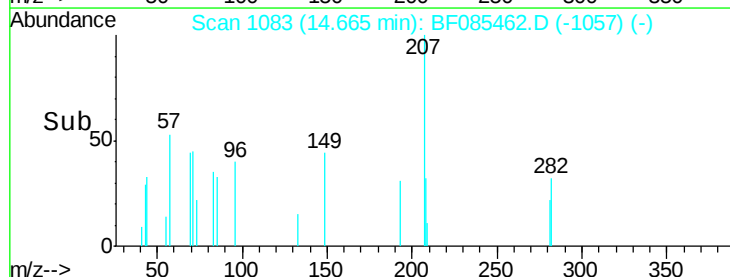
Abundance Ion 149.00 (148.70 to 149.70): E

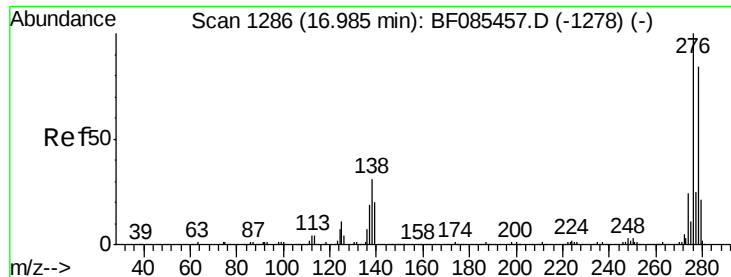
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

14.67

Time--> 14.65 14.70

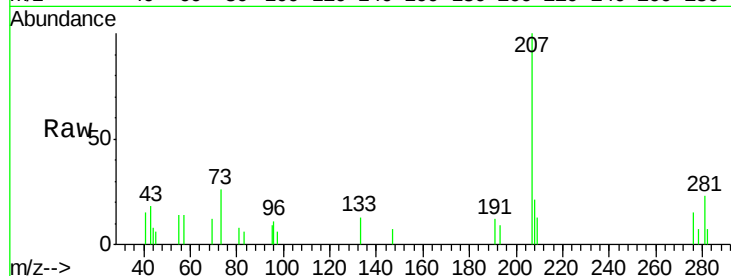




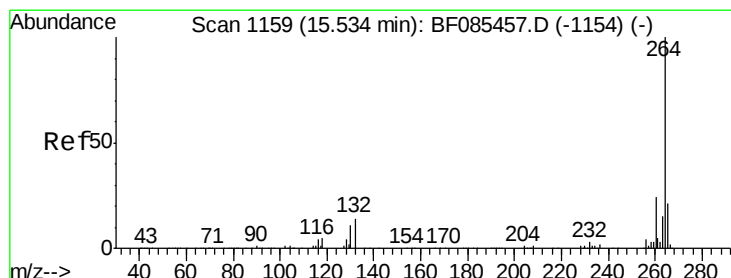
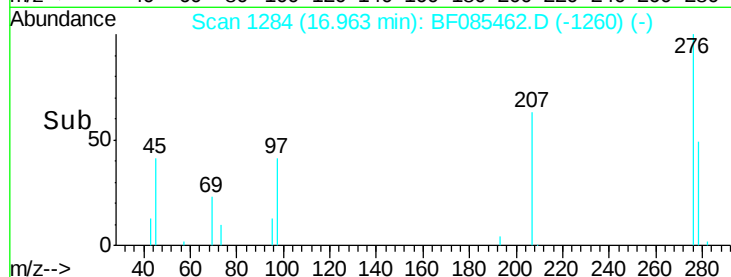
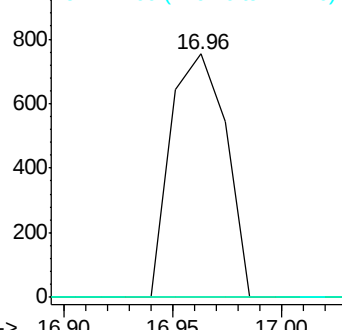
#85
Indeno(1,2,3-cd)pyrene
Concen: 0.07 ng
RT: 16.96 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 1333
Ion Ratio Lower Upper
276 100
138 0.0 26.4 39.6#
277 0.0 20.2 30.2#

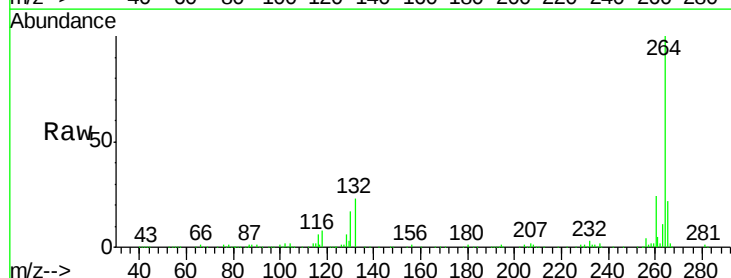


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

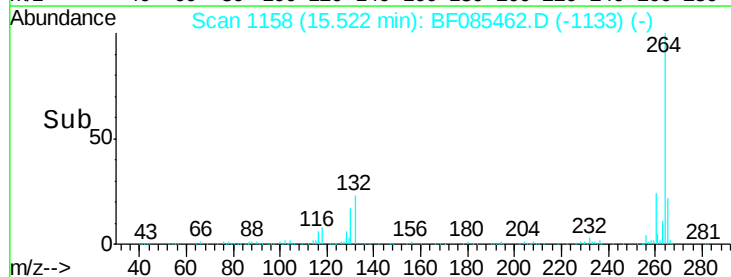
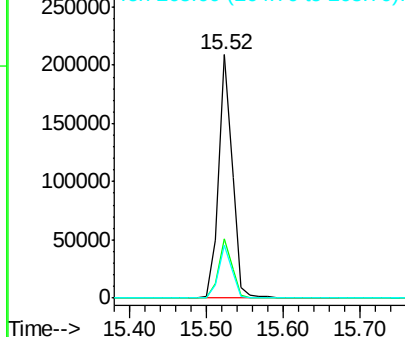


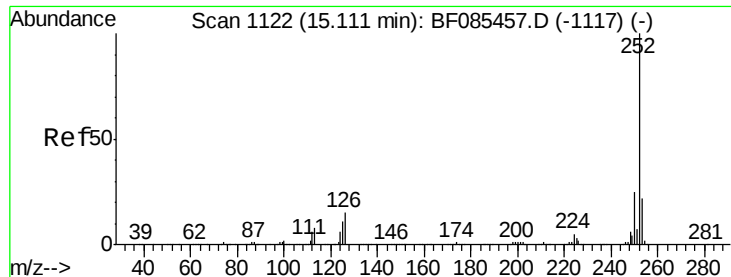
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

Tgt Ion:264 Resp: 262047
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.8 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

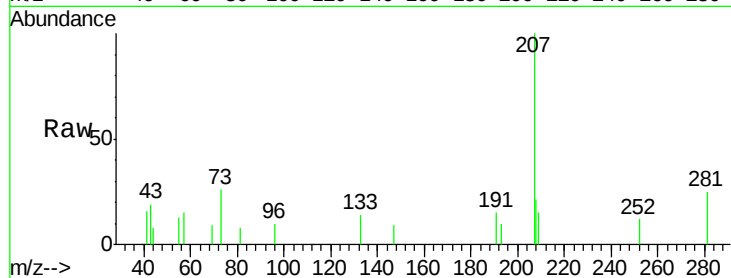




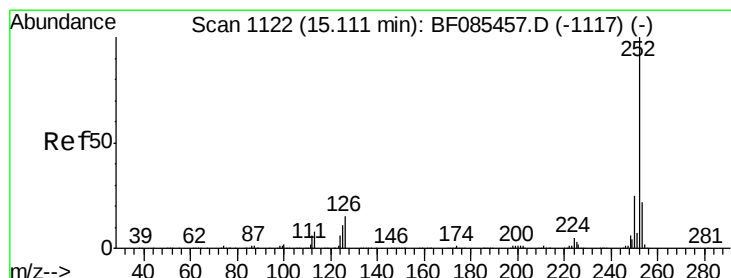
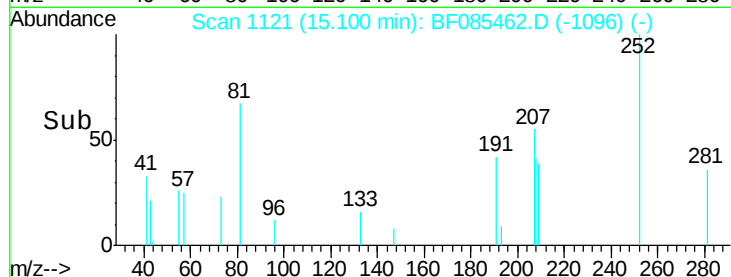
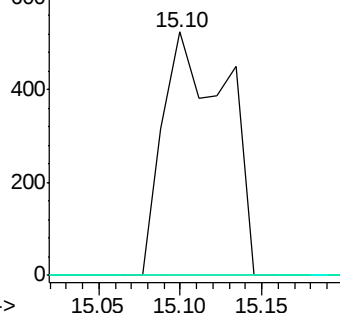
#87
Benzo(b)fluoranthene
Concen: 0.08 ng
RT: 15.10 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 1412
Ion Ratio Lower Upper
252 100
253 0.0 17.8 26.6#
125 0.0 11.3 16.9#

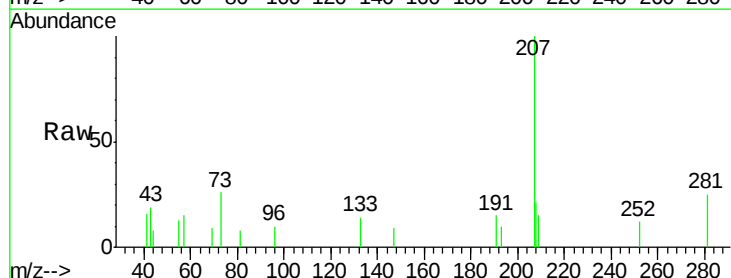


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

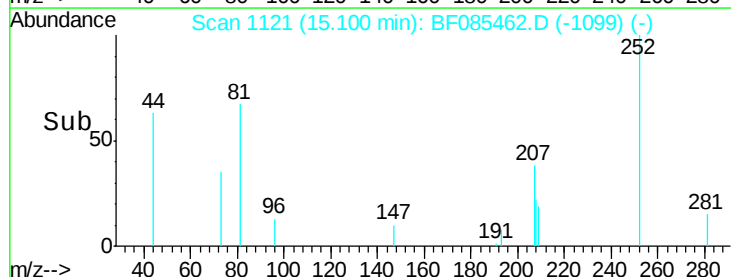
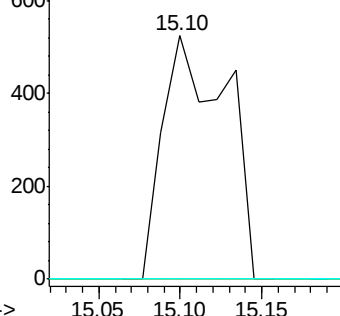


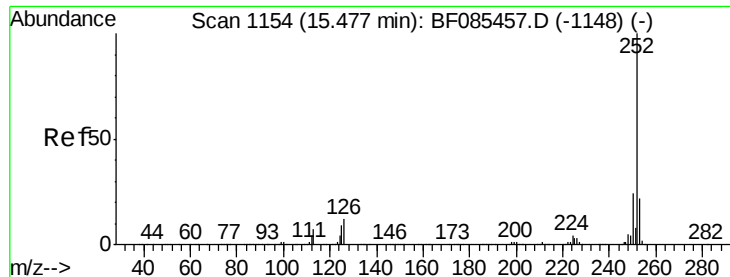
#88
Benzo(k)fluoranthene
Concen: 0.11 ng
RT: 15.10 min Scan# 1121
Delta R.T. -0.05 min
Lab File: BF085462.D
Acq: 15 Mar 2016 19:01

Tgt Ion:252 Resp: 1412
Ion Ratio Lower Upper
252 100
253 0.0 17.8 26.6#
125 0.0 10.4 15.6#



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





#89

Benzo(a)pyrene

Concen: 0.05 ng

RT: 15.45 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

Instrument :

BNA_F

ClientSampled :

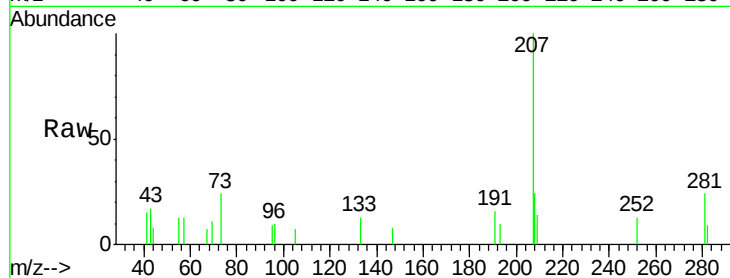
Tot Ion:252 Resp: 785

Ion Ratio Lower Upper

252 100

253 0.0 17.4 26.0#

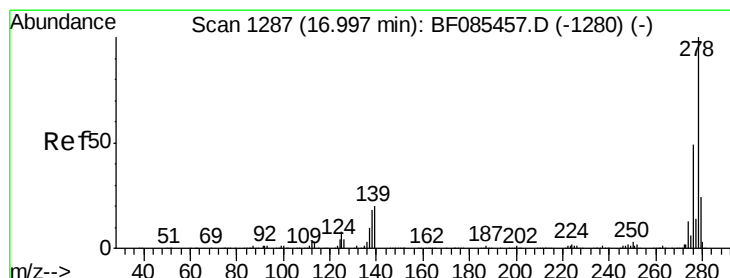
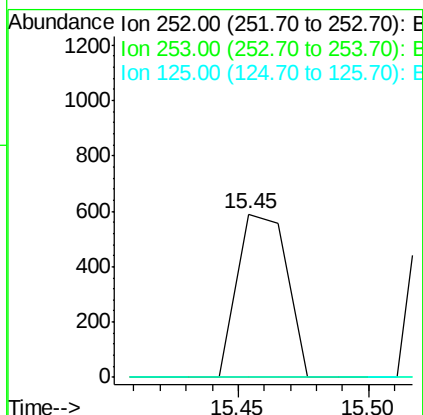
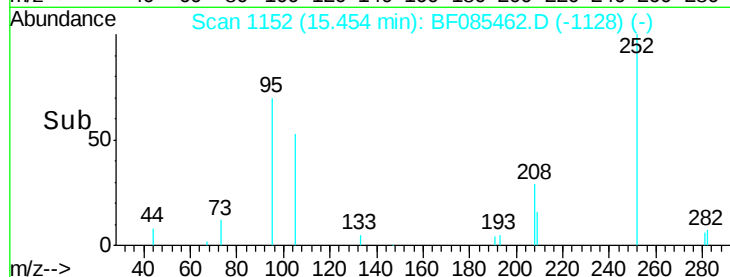
125 0.0 8.2 12.4#



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



#90

Dibenzo(a,h)anthracene

Concen: 0.08 ng

RT: 16.97 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

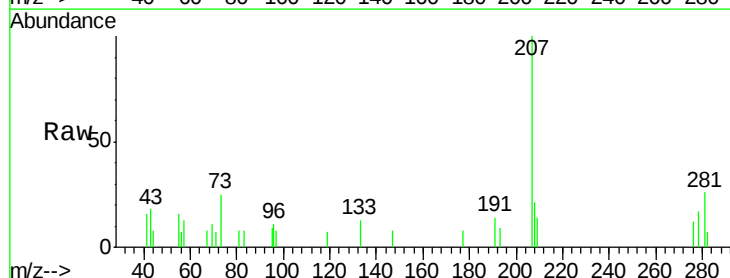
Tgt Ion:278 Resp: 1128

Ion Ratio Lower Upper

278 100

139 0.0 17.3 25.9#

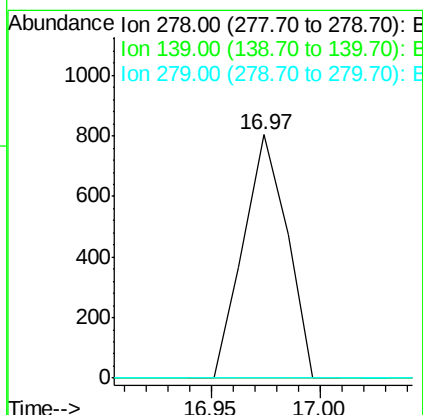
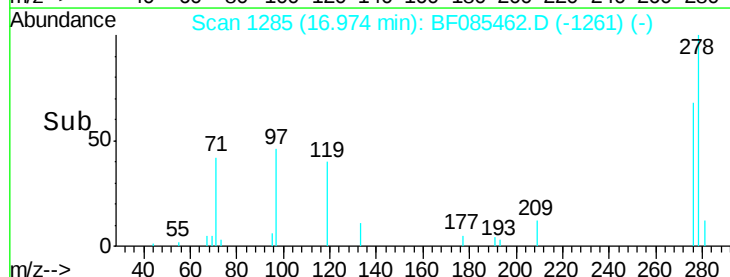
279 0.0 19.2 28.8#

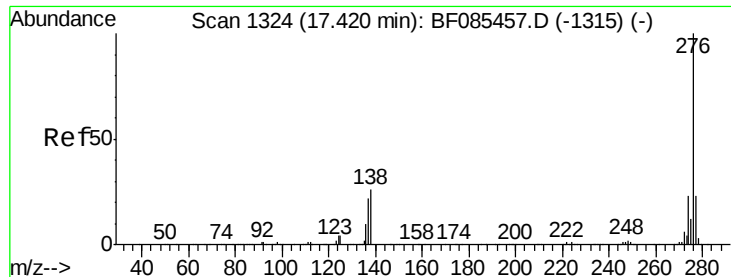


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 0.08 ng

RT: 17.40 min Scan# 1322

Delta R.T. -0.02 min

Lab File: BF085462.D

Acq: 15 Mar 2016 19:01

Instrument :

BNA_F

ClientSampleId :

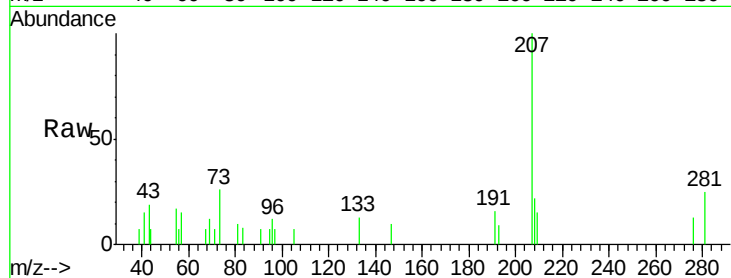
Tot Ion: 276 Resp: 1210

Ion Ratio Lower Upper

276 100

277 0.0 19.0 28.4#

138 0.0 22.5 33.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

