

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101615\
 Data File : BF082308.D
 Acq On : 15 Oct 2015 14:42
 Operator : UM/IZ
 Sample : G4015-14
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LF-9

Quant Time: Oct 16 01:10:01 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 16 01:04:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	75590	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	285432	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	133031	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	205549	20.00	ng	0.01
75) Chrysene-d12	14.10	240	119026	20.00	ng	0.01
86) Perylene-d12	15.68	264	150245	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	187066	49.95	ng	0.00
7) Phenol-d6	6.48	99	397662	81.59	ng	0.01
23) Nitrobenzene-d5	7.39	82	277911	65.39	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	27013	21.65	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	663361	82.69	ng	0.00
78) Terphenyl-d14	12.97	244	408567	90.96	ng	0.00

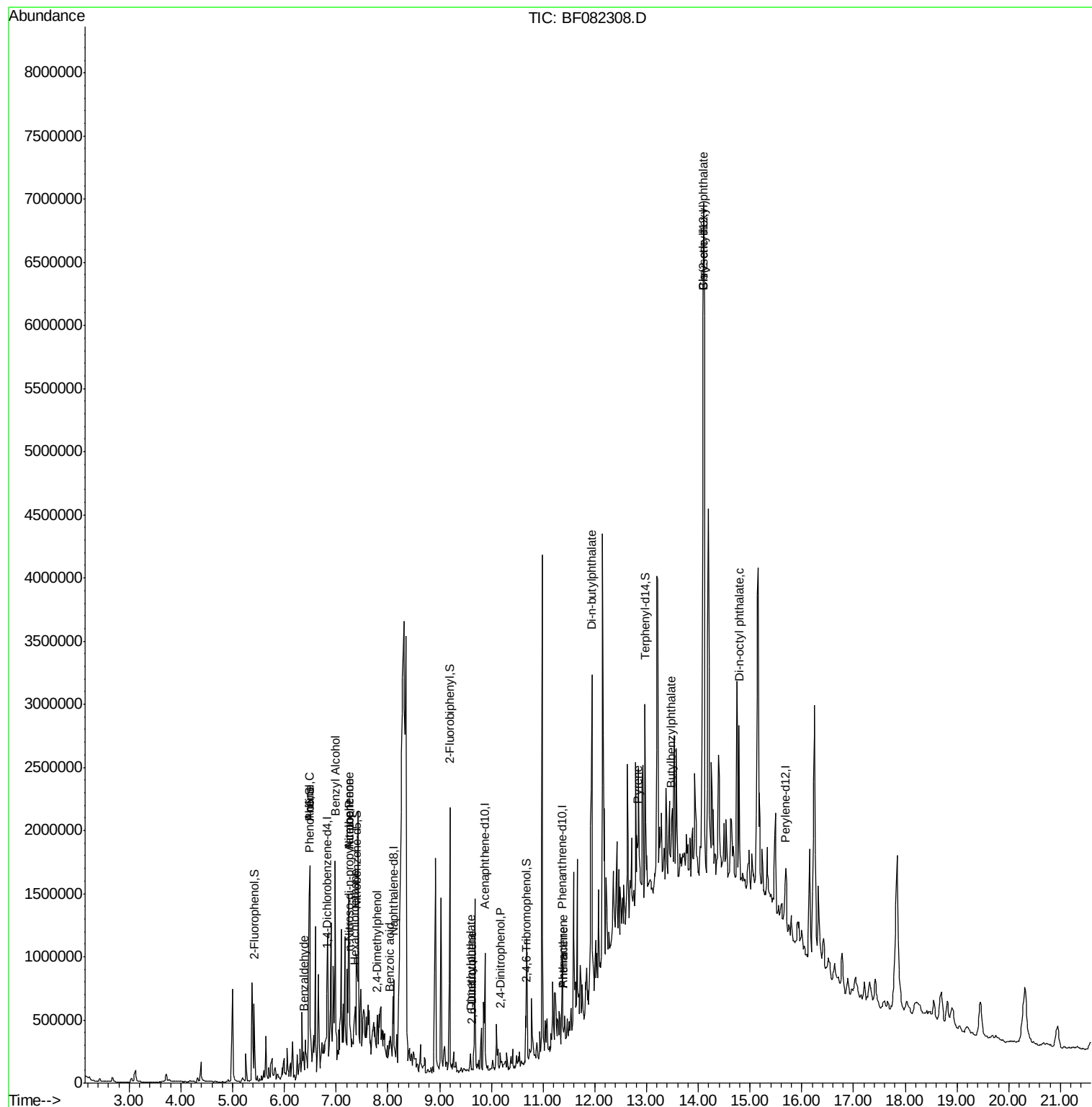
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.49	93	14259	2.27	ng	# 1
9) Benzaldehyde	6.38	77	54100	21.74	ng	# 69
10) Phenol	6.49	94	624616	111.15	ng	92
15) Benzyl Alcohol	6.98	79	34700	10.31	ng	92
18) Hexachloroethane	7.36	117	3892	2.04	ng	# 1
19) n-Nitroso-di-n-propylamine	7.26	70	22764	6.65	ng	# 63
22) Acetophenone	7.25	105	367004	65.00	ng	# 87
24) Nitrobenzene	7.25	77	270214	58.73	ng	# 45
27) 2,4-Dimethylphenol	7.78	122	7532	2.04	ng	94
32) Benzoic acid	8.05	122	40351	16.24	ng	93
49) Dimethylphthalate	9.60	163	75826	8.09	ng	# 98
50) 2,6-Dinitrotoluene	9.62	165	5576	2.82	ng	# 52
53) 2,4-Dinitrophenol	10.17	184	17058	20.60	ng	# 27
70) Phenanthrene	11.39	178	22816	2.26	ng	# 95
71) Anthracene	11.39	178	22816	2.20	ng	# 95
73) Di-n-butylphthalate	11.94	149	1696254	145.18	ng	100
77) Pyrene	12.82	202	18971	2.69	ng	# 82
79) Butylbenzylphthalate	13.48	149	73056	22.66	ng	92
83) Bis(2-ethylhexyl)phthalate	14.10	149	4257966	925.84	ng	# 96
84) Di-n-octyl phthalate	14.79	149	877150	111.06	ng	# 78

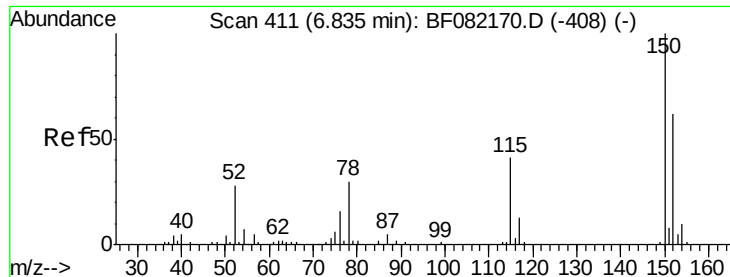
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF082308.D

Acq: 15 Oct 2015 14:42

Instrument :

BNA_F

ClientSampleId :

LF-9

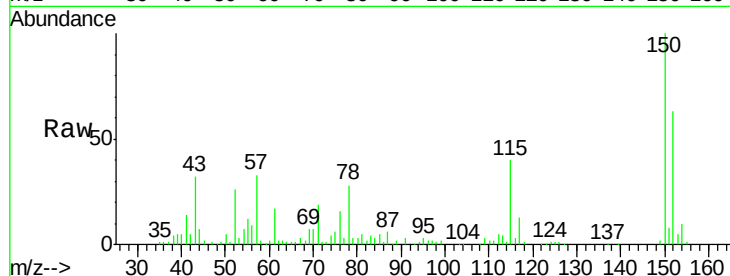
Tot Ion:152 Resp: 75590

Ion Ratio Lower Upper

152 100

150 157.8 129.0 193.4

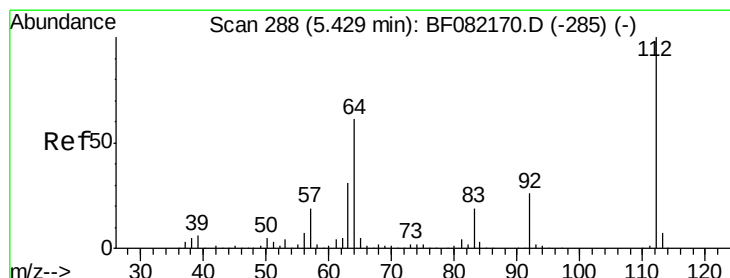
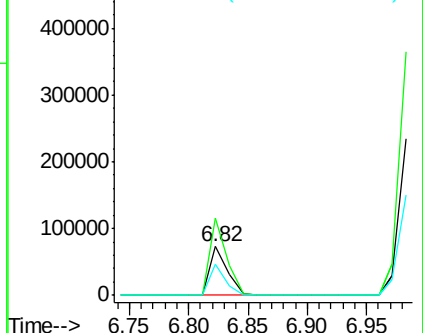
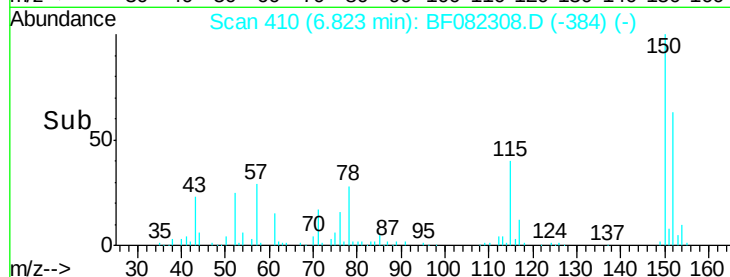
115 63.0 52.1 78.1



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



#5

2-Fluorophenol

Concen: 49.95 ng

RT: 5.42 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF082308.D

Acq: 15 Oct 2015 14:42

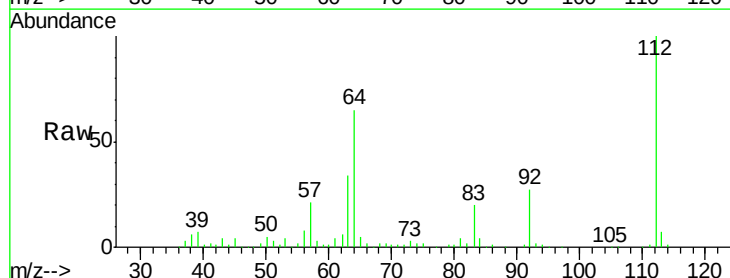
Tgt Ion:112 Resp: 187066

Ion Ratio Lower Upper

112 100

64 64.8 48.6 73.0

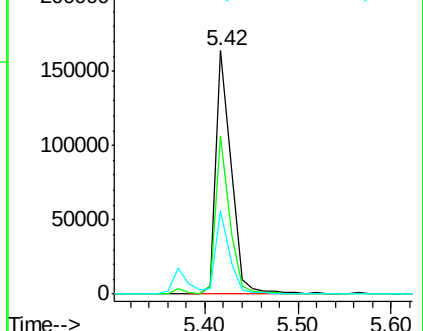
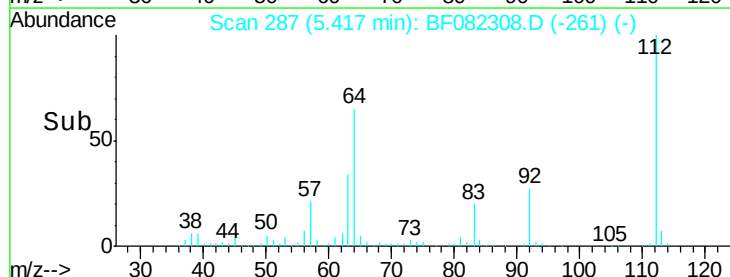
63 34.5 25.1 37.7

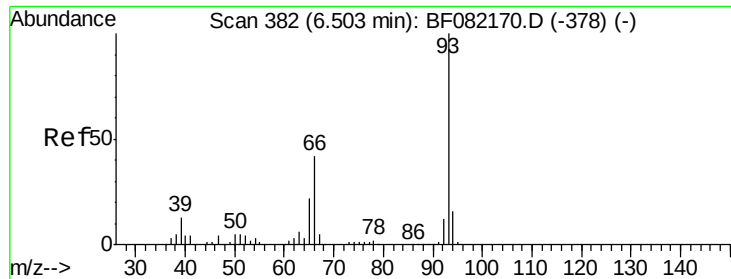


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 2.27 ng

RT: 6.49 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF082308.D

Acq: 15 Oct 2015 14:42

Instrument :

BNA_F

ClientSampled :

LF-9

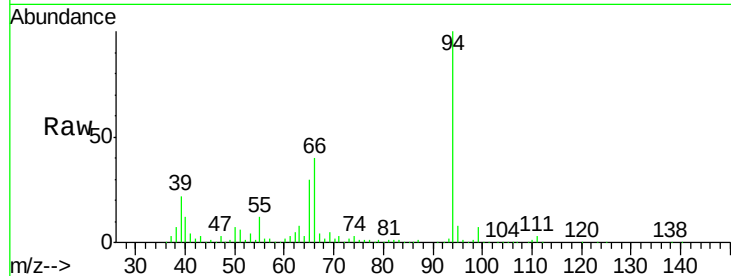
Tot Ion: 93 Resp: 14259

Ion Ratio Lower Upper

93 100

66 1904.7 34.2 51.2#

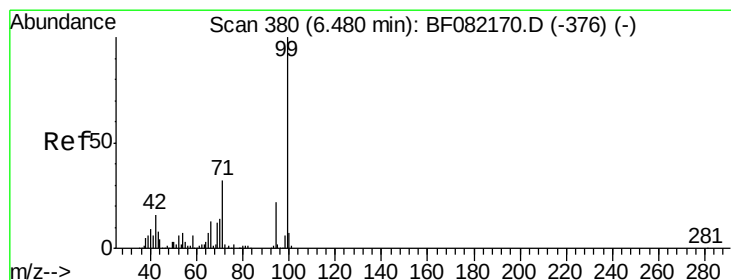
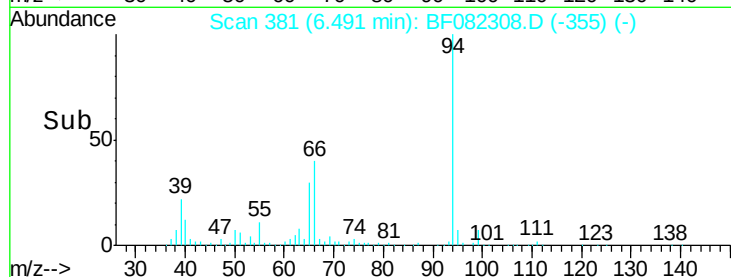
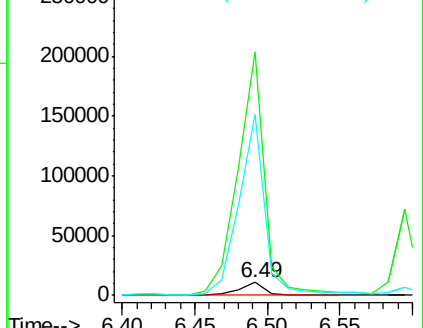
65 1416.2 17.9 26.9#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 81.59 ng

RT: 6.48 min Scan# 380

Delta R.T. 0.01 min

Lab File: BF082308.D

Acq: 15 Oct 2015 14:42

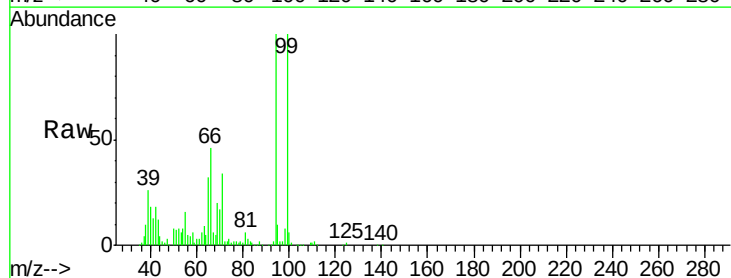
Tgt Ion: 99 Resp: 397662

Ion Ratio Lower Upper

99 100

42 18.5 13.2 19.8

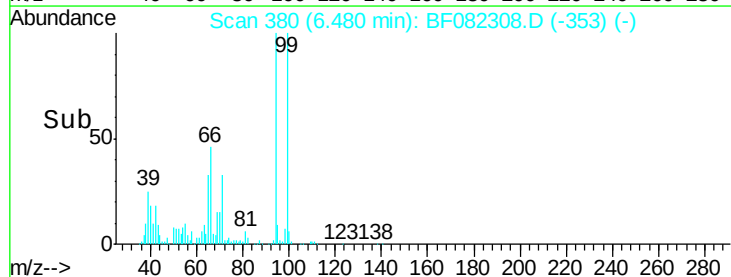
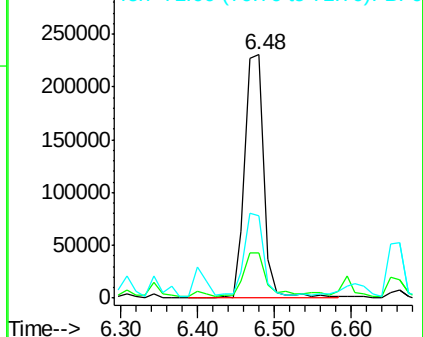
71 33.7 25.6 38.4

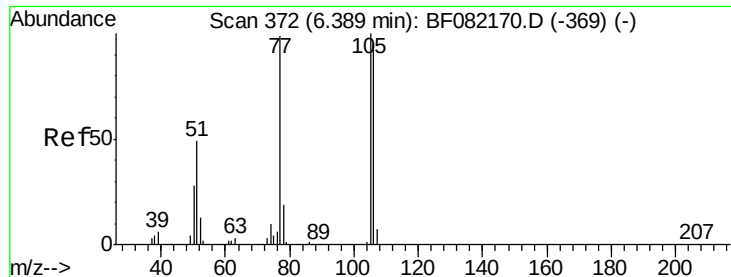


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 21.74 ng

RT: 6.38 min Scan# 371

Delta R.T. 0.00 min

Lab File: BF082308.D

Acq: 15 Oct 2015 14:42

Instrument :

BNA_F

ClientSampleId :

LF-9

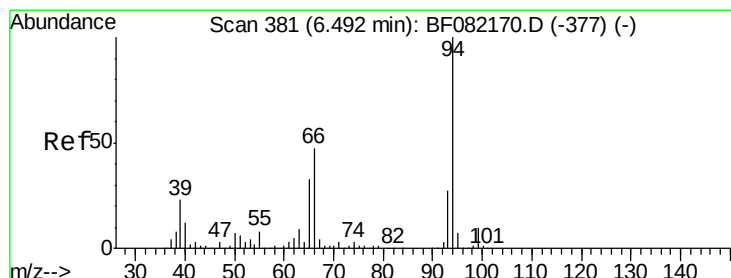
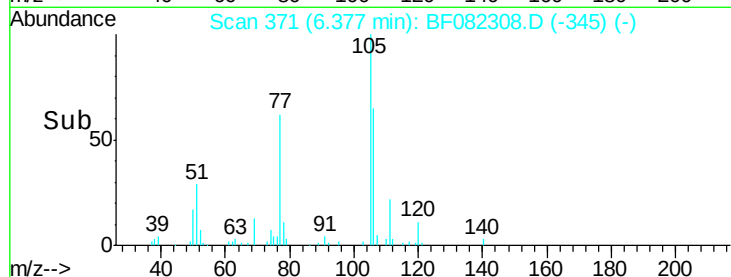
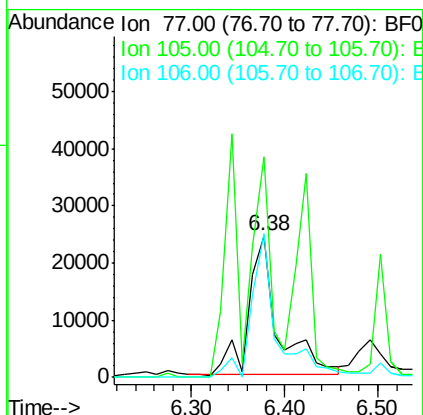
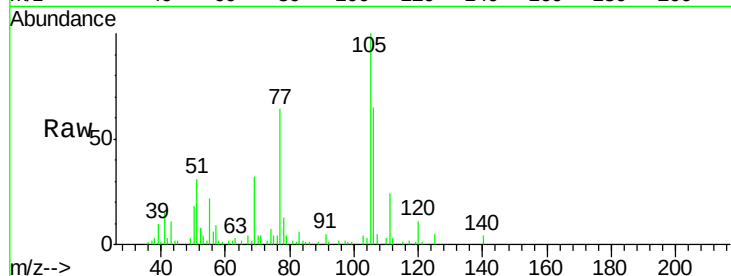
Tot Ion: 77 Resp: 54100

Ion Ratio Lower Upper

77 100

105 155.2 80.6 120.6#

106 101.1 75.5 115.5



#10

Phenol

Concen: 111.15 ng

RT: 6.49 min Scan# 381

Delta R.T. 0.01 min

Lab File: BF082308.D

Acq: 15 Oct 2015 14:42

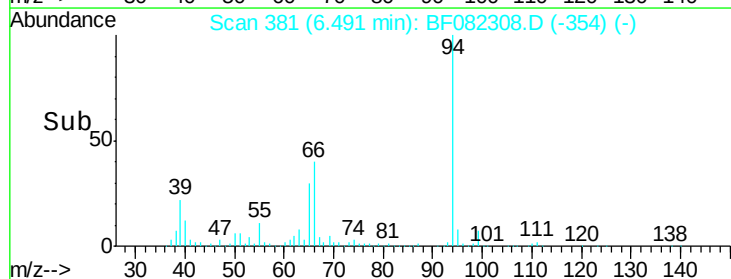
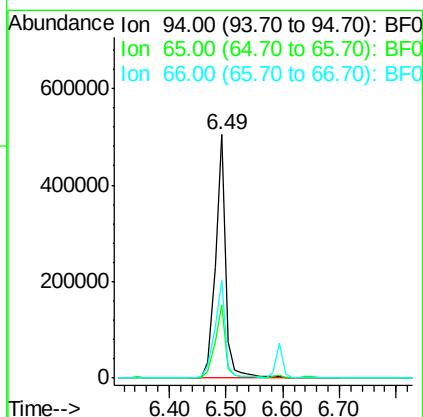
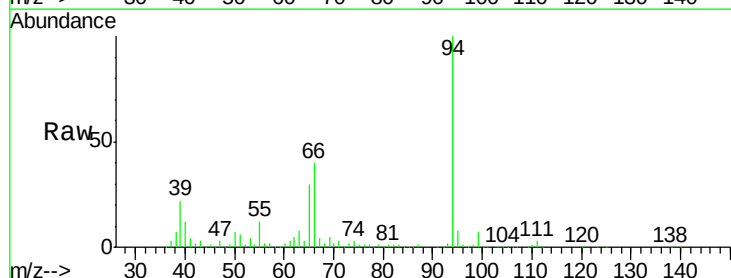
Tgt Ion: 94 Resp: 624616

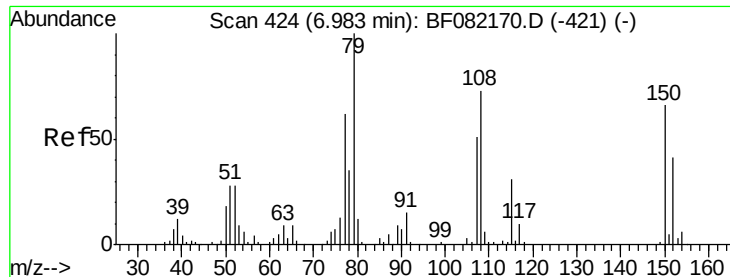
Ion Ratio Lower Upper

94 100

65 30.0 12.6 52.6

66 40.4 27.3 67.3





#15

Benzyl Alcohol

Concen: 10.31 ng

RT: 6.98 min Scan# 424

Delta R.T. 0.01 min

Lab File: BF082308.D

Acq: 15 Oct 2015 14:42

Instrument :

BNA_F

ClientSampleId :

LF-9

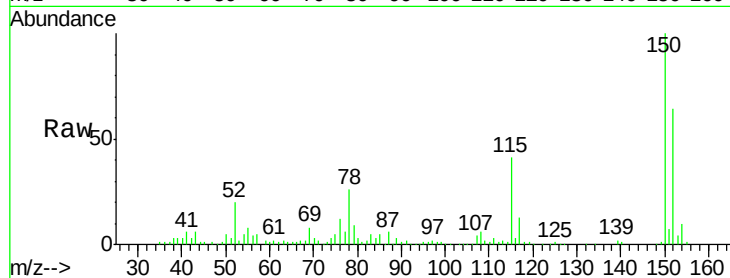
Tot Ion: 79 Resp: 34700

Ion Ratio Lower Upper

79 100

108 67.0 58.4 87.6

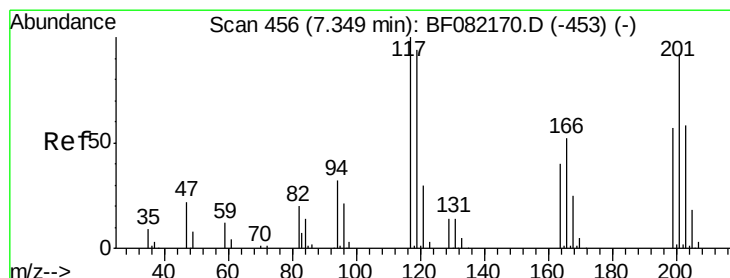
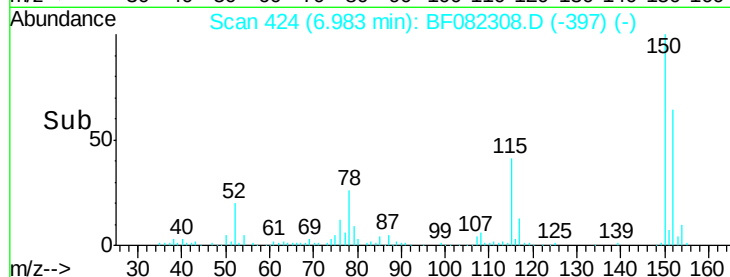
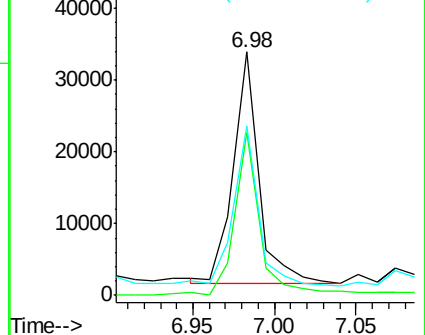
77 69.6 49.8 74.6



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



#18

Hexachloroethane

Concen: 2.04 ng

RT: 7.36 min Scan# 457

Delta R.T. 0.02 min

Lab File: BF082308.D

Acq: 15 Oct 2015 14:42

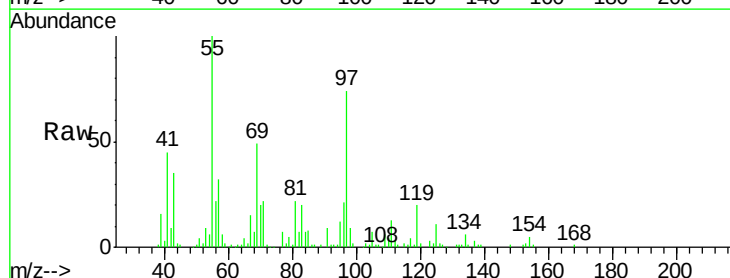
Tgt Ion: 117 Resp: 3892

Ion Ratio Lower Upper

117 100

119 490.1 75.4 113.2#

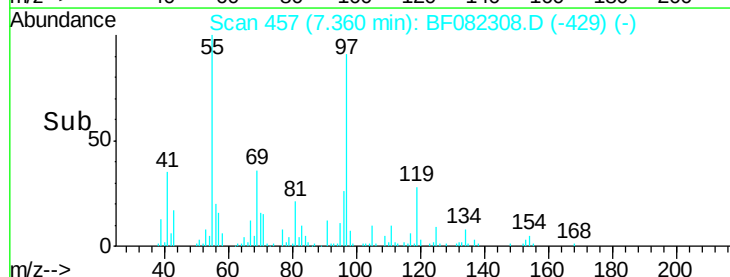
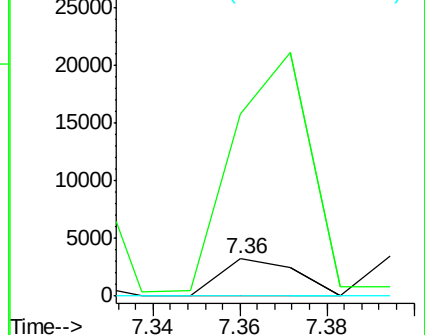
201 0.0 73.4 110.0#

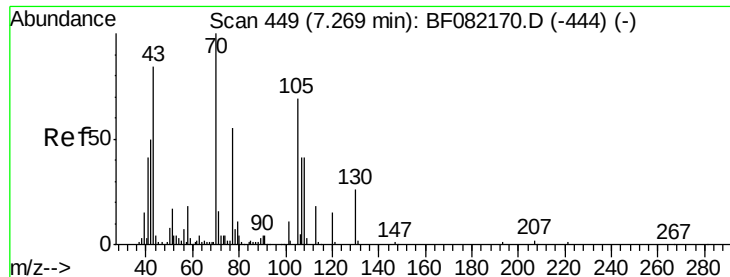


Abundance Ion 117.00 (116.70 to 117.70): BF0

Ion 119.00 (118.70 to 119.70): BF0

Ion 201.00 (200.70 to 201.70): BF0

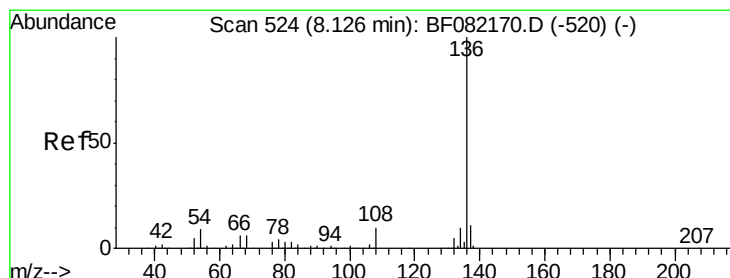
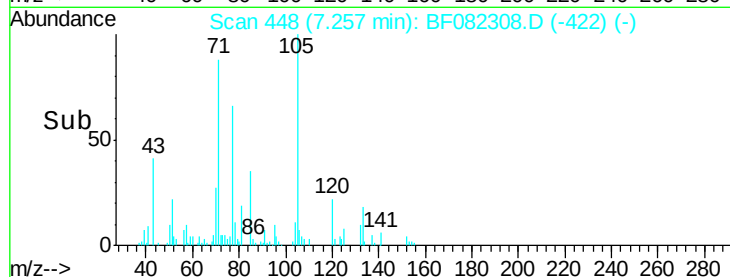
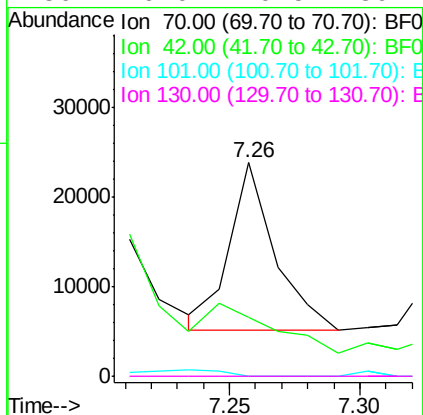
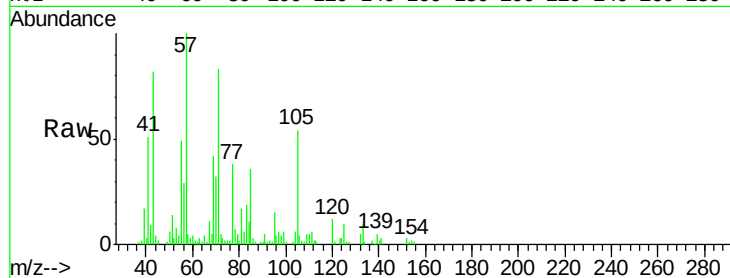




#19
n-Nitroso-di-n-propylamine
Concen: 6.65 ng
RT: 7.26 min Scan# 448
Delta R.T. 0.00 min
Lab File: BF082308.D
Acq: 15 Oct 2015 14:42

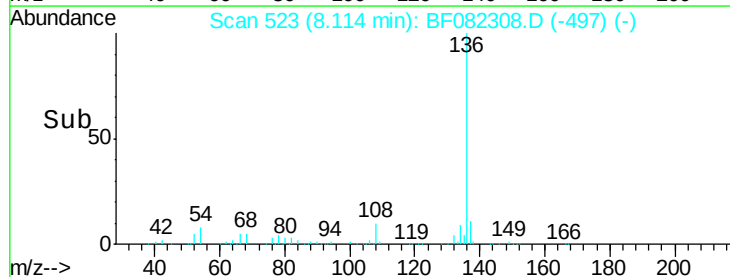
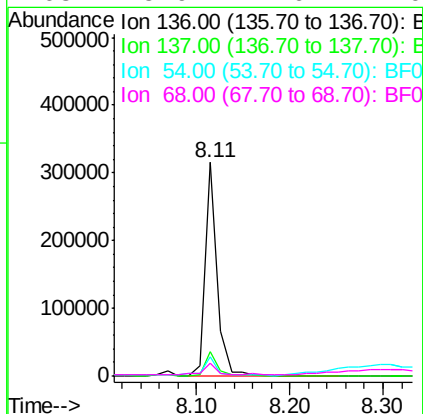
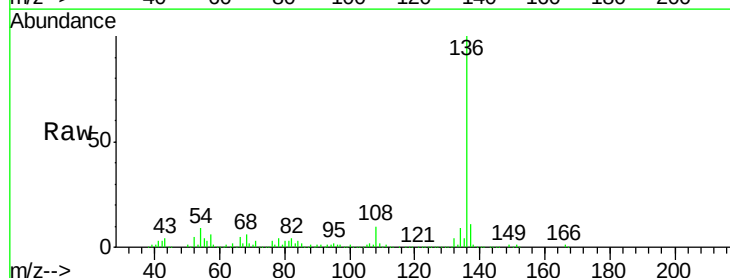
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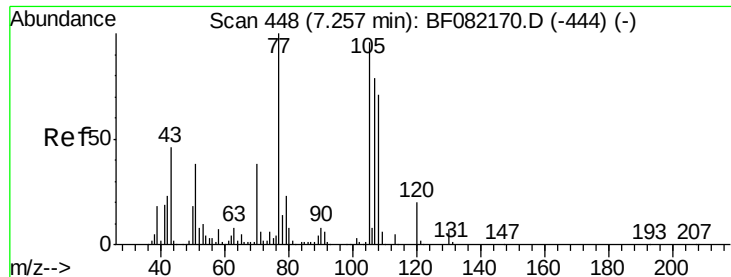
Tot Ion:	70	Resp:	22764
Ion	Ratio	Lower	Upper
70	100		
42	27.5	39.8	59.8#
101	0.0	8.6	13.0#
130	0.0	20.5	30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 523
Delta R.T. 0.00 min
Lab File: BF082308.D
Acq: 15 Oct 2015 14:42

Tgt Ion:	136	Resp:	285432
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	8.9	7.5	11.3
68	5.9	4.6	7.0

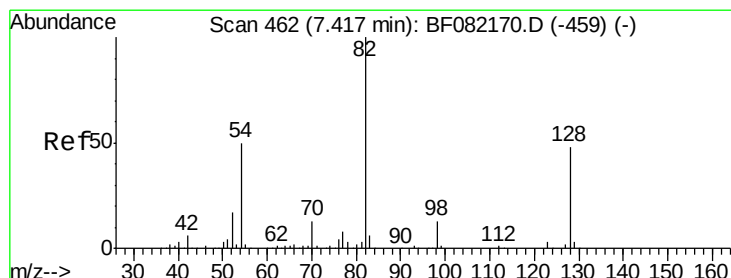
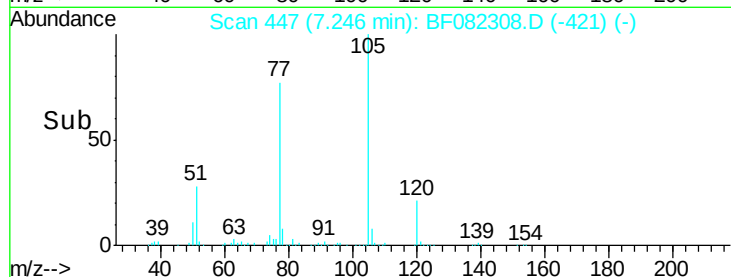
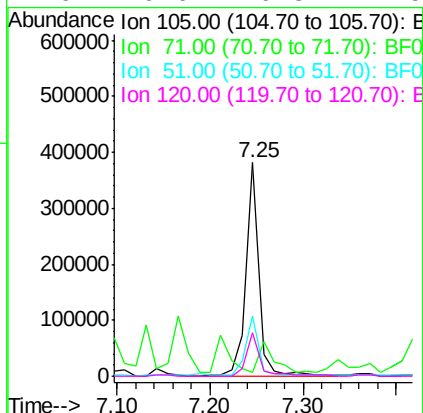
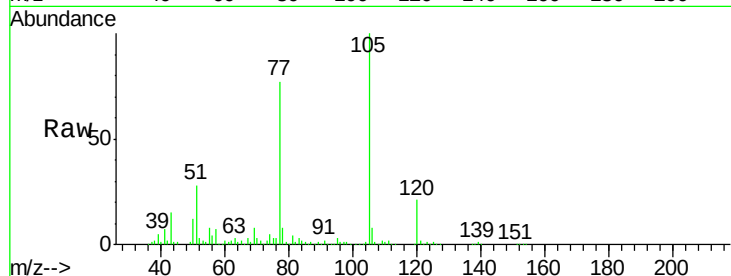




#22
Acetophenone
Concen: 65.00 ng
RT: 7.25 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF082308.D
Acq: 15 Oct 2015 14:42

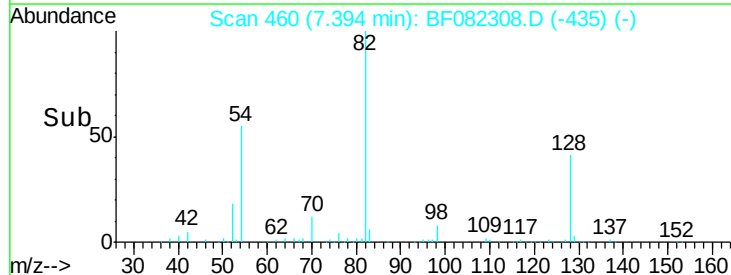
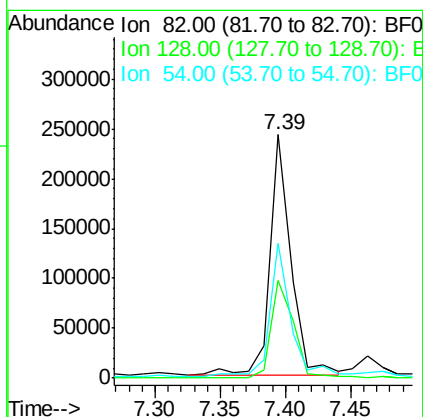
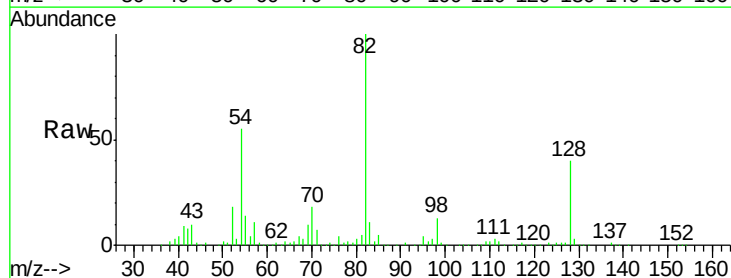
Instrument :
BNA_F
ClientSampleId :
LF-9

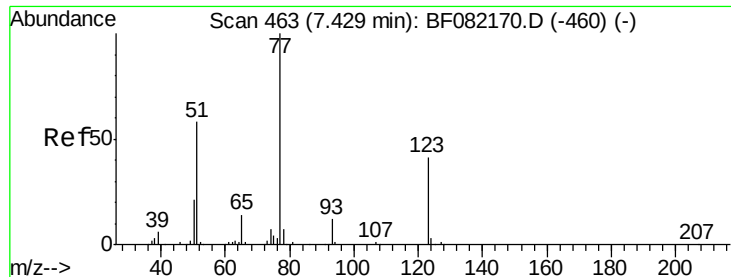
Tot Ion:105 Resp: 367004
Ion Ratio Lower Upper
105 100
71 2.0 5.4 8.0#
51 27.9 31.8 47.6#
120 20.6 16.3 24.5



#23
Nitrobenzene-d5
Concen: 65.39 ng
RT: 7.39 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF082308.D
Acq: 15 Oct 2015 14:42

Tgt Ion: 82 Resp: 277911
Ion Ratio Lower Upper
82 100
128 40.0 38.7 58.1
54 55.4 40.1 60.1

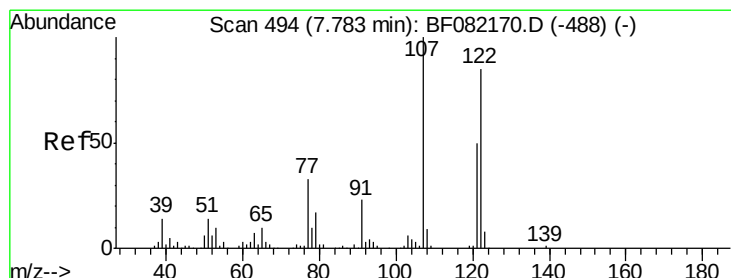
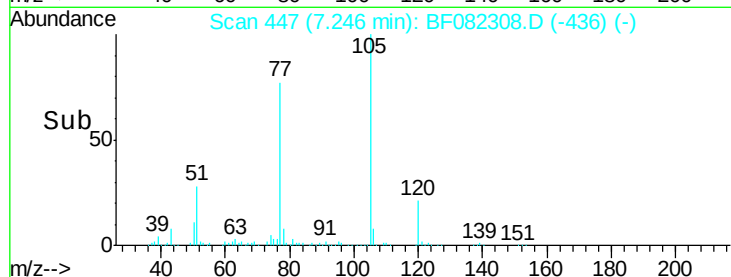
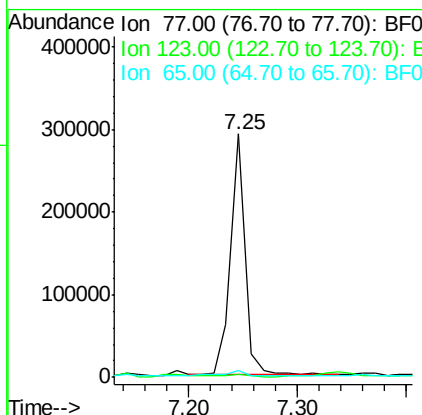
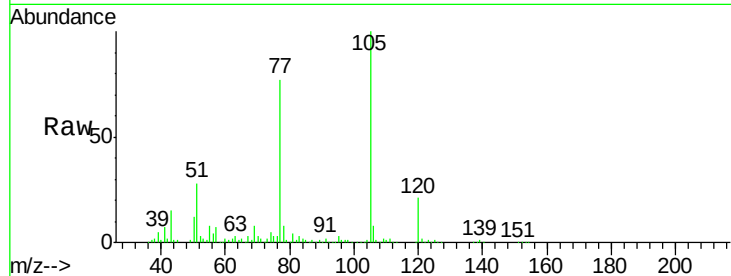




#24
 Nitrobenzene
 Concen: 58.73 ng
 RT: 7.25 min Scan# 447
 Delta R.T. -0.17 min
 Lab File: BF082308.D
 Acq: 15 Oct 2015 14:42

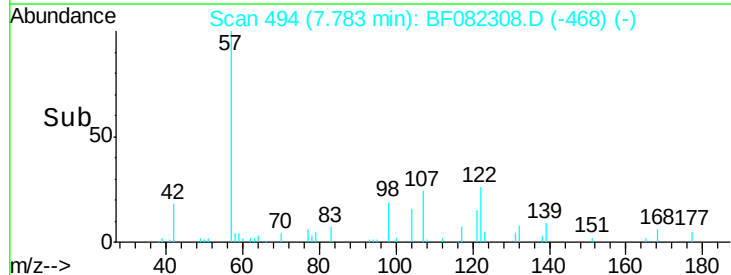
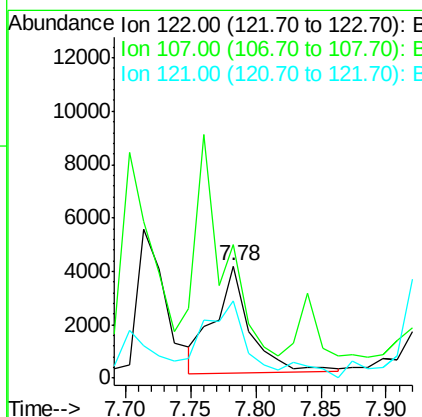
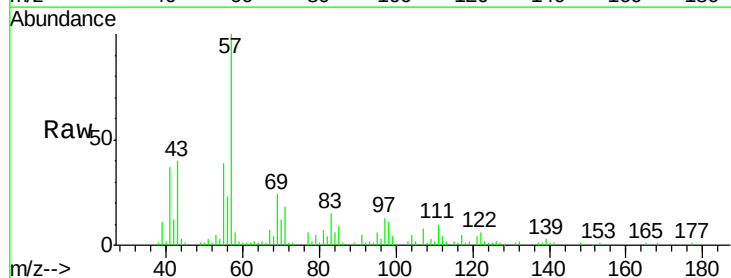
Instrument :
 BNA_F
 ClientSampleId :
 LF-9

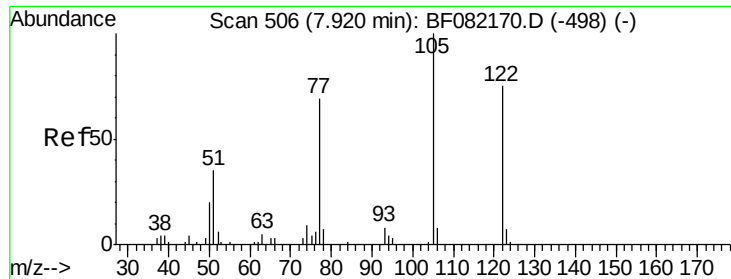
Tot Ion	Ratio	Lower	Upper
77	100		
123	1.0	33.0	49.4#
65	3.0	11.2	16.8#



#27
 2,4-Dimethylphenol
 Concen: 2.04 ng
 RT: 7.78 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: BF082308.D
 Acq: 15 Oct 2015 14:42

Tgt Ion	Ratio	Lower	Upper
122	100		
107	119.3	94.0	141.0
121	68.8	46.8	70.2

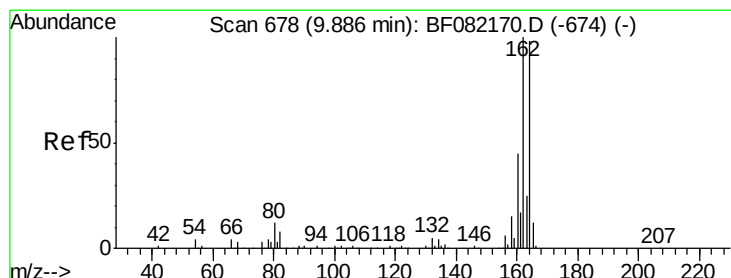
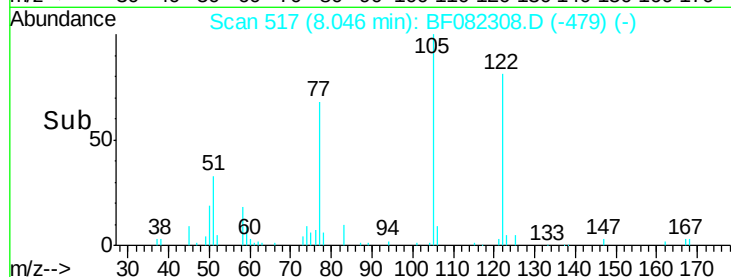
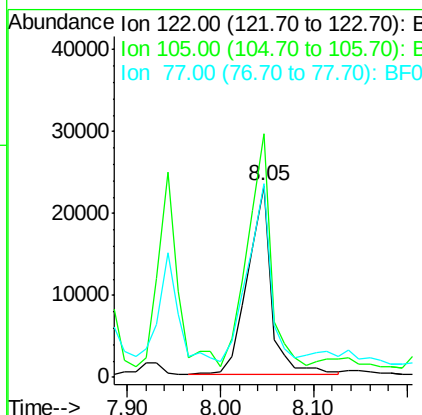
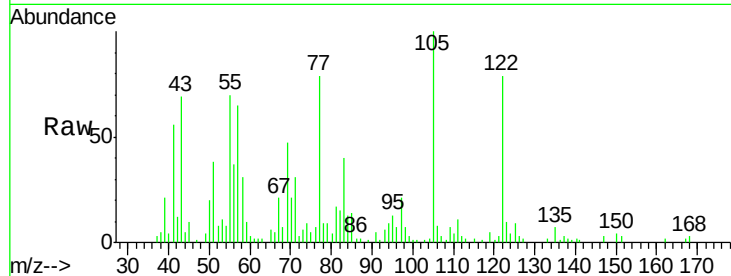




#32
Benzoic acid
Concen: 16.24 ng
RT: 8.05 min Scan# 517
Delta R.T. 0.14 min
Lab File: BF082308.D
Acq: 15 Oct 2015 14:42

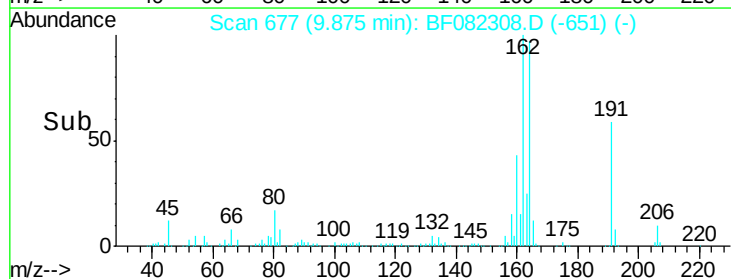
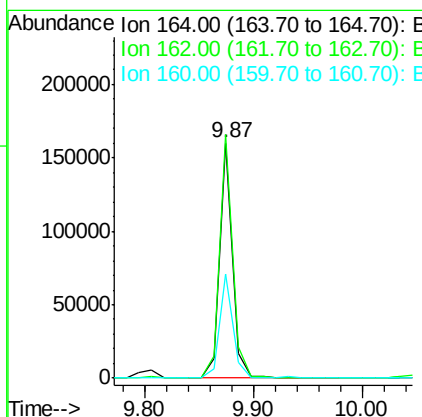
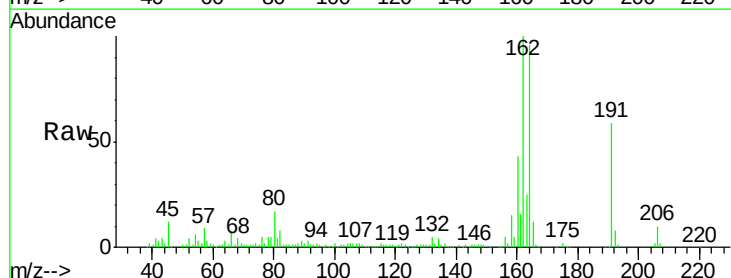
Instrument :
BNA_F
ClientSampleId :
LF-9

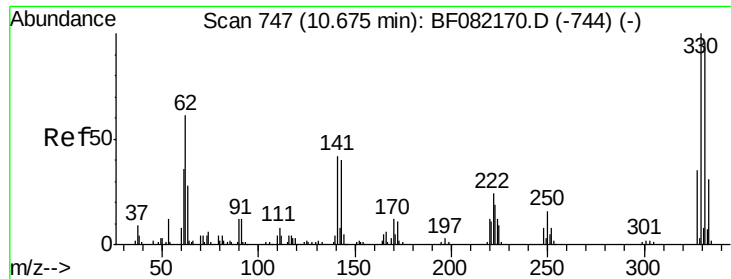
Tot Ion:122 Resp: 40351
Ion Ratio Lower Upper
122 100
105 127.4 104.4 144.4
77 101.1 69.0 109.0



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF082308.D
Acq: 15 Oct 2015 14:42

Tgt Ion:164 Resp: 133031
Ion Ratio Lower Upper
164 100
162 103.7 81.6 122.4
160 44.3 36.4 54.6

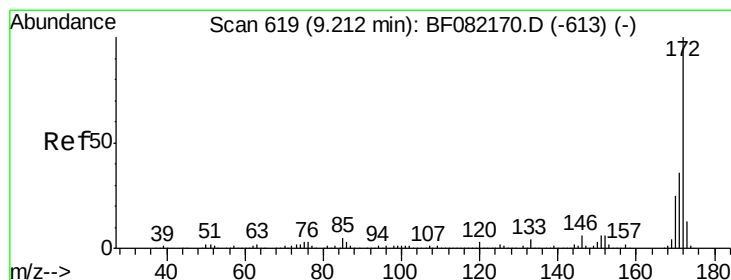
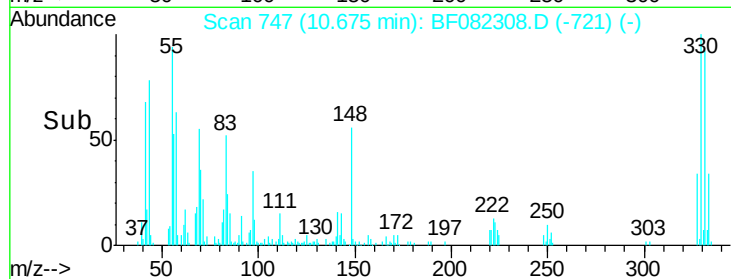
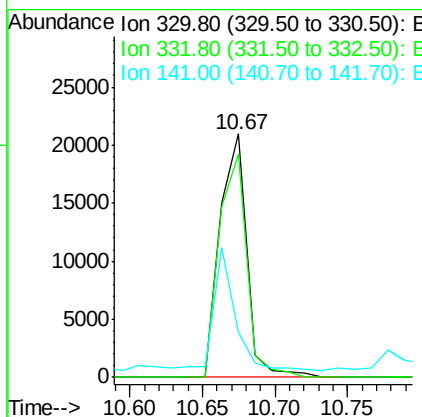
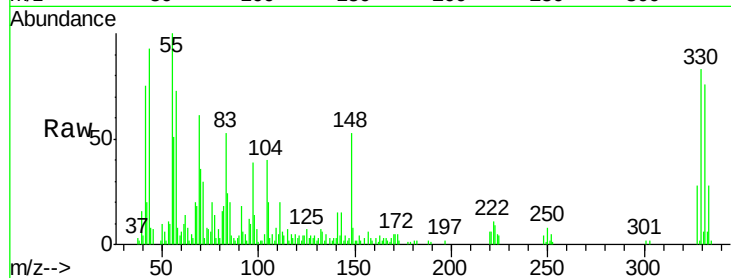




#41
 2,4,6-Tribromophenol
 Concen: 21.65 ng
 RT: 10.67 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF082308.D
 Acq: 15 Oct 2015 14:42

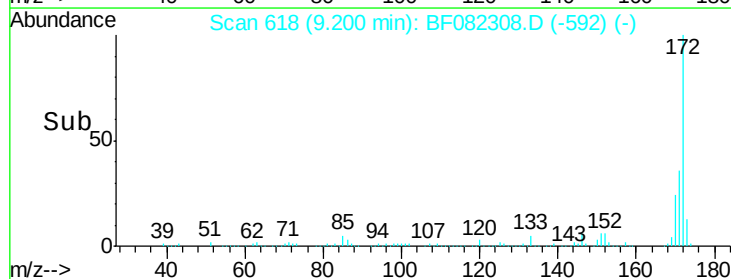
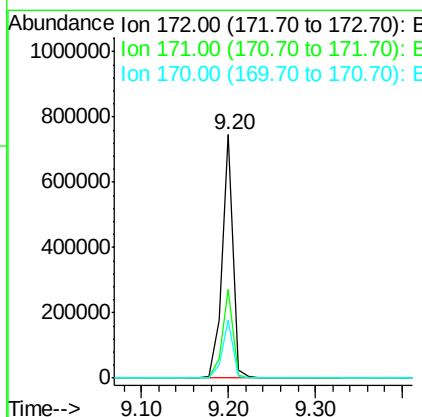
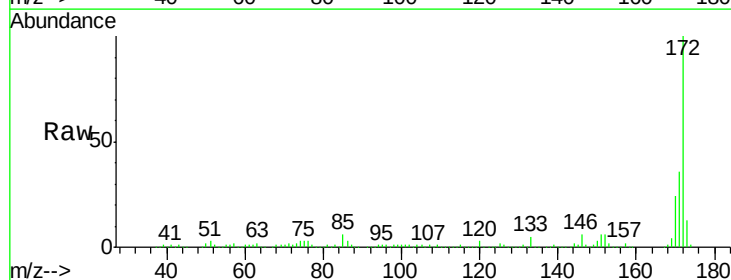
Instrument :
 BNA_F
 ClientSampleId :
 LF-9

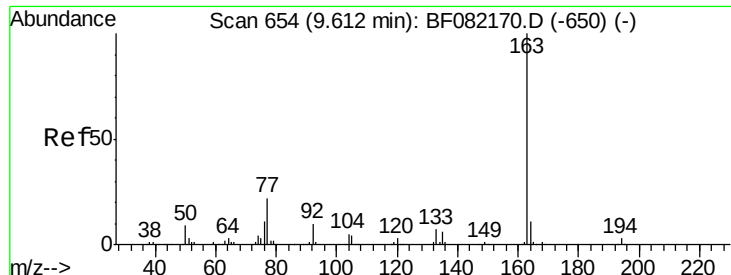
Tot Ion:330 Resp: 27013
 Ion Ratio Lower Upper
 330 100
 332 93.8 77.1 115.7
 141 39.3 29.8 44.8



#44
 2-Fluorobiphenyl
 Concen: 82.69 ng
 RT: 9.20 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF082308.D
 Acq: 15 Oct 2015 14:42

Tgt Ion:172 Resp: 663361
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.6 42.8
 170 24.0 19.7 29.5





#49

Dimethylphthalate

Concen: 8.09 ng

RT: 9.60 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF082308.D

Acq: 15 Oct 2015 14:42

Instrument :

BNA_F

ClientSampleId :

LF-9

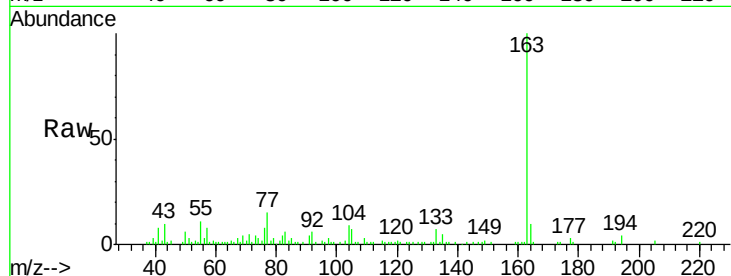
Tot Ion:163 Resp: 75826

Ion Ratio Lower Upper

163 100

194 4.2 2.6 4.0#

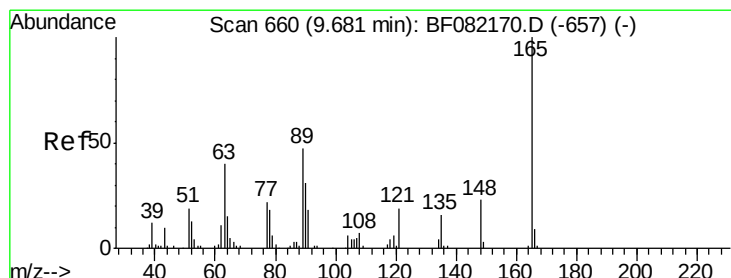
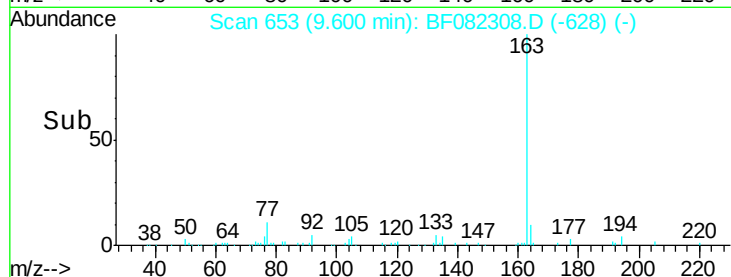
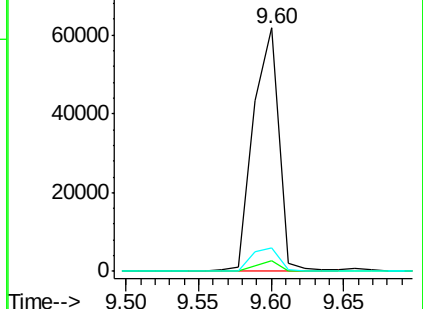
164 9.7 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 2.82 ng

RT: 9.62 min Scan# 655

Delta R.T. -0.05 min

Lab File: BF082308.D

Acq: 15 Oct 2015 14:42

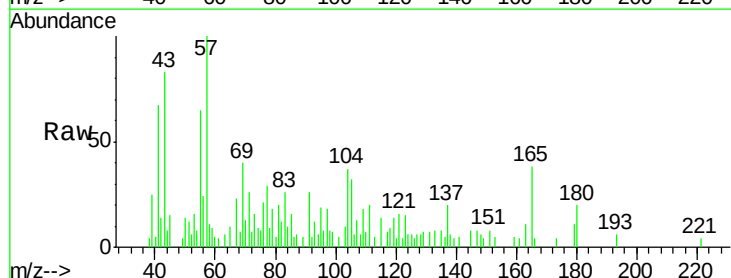
Tgt Ion:165 Resp: 5576

Ion Ratio Lower Upper

165 100

63 14.9 36.7 55.1#

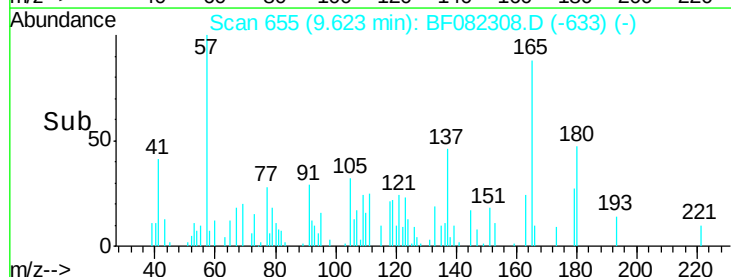
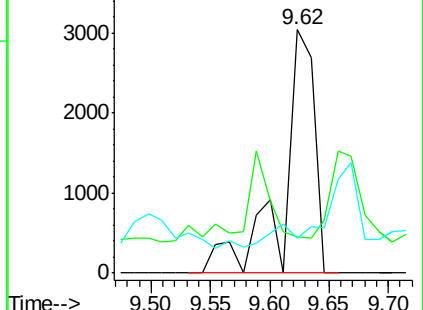
89 14.2 37.8 56.6#

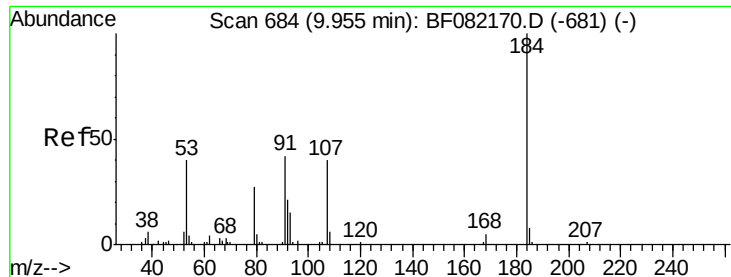


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

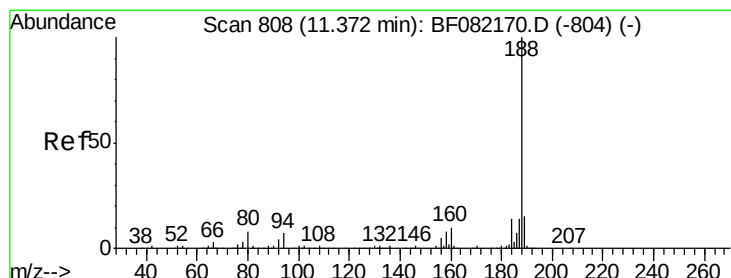
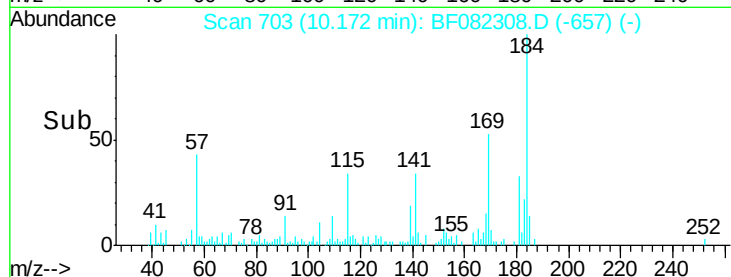
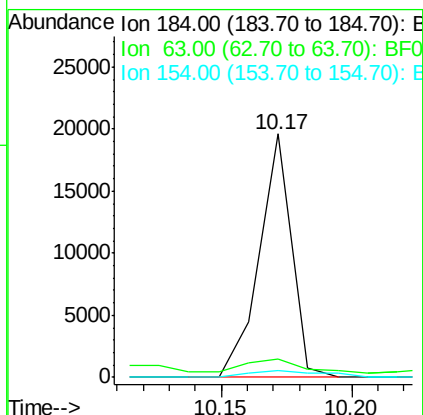
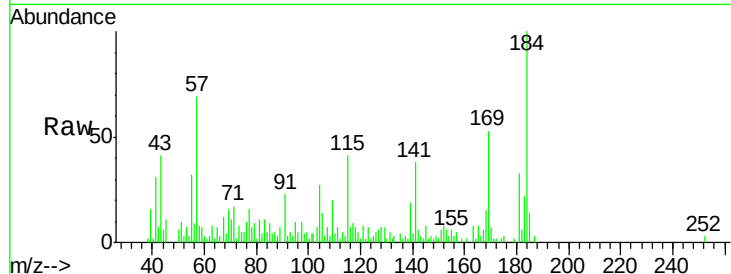




#53
2,4-Dinitrophenol
Concen: 20.60 ng
RT: 10.17 min Scan# 703
Delta R.T. 0.23 min
Lab File: BF082308.D
Acq: 15 Oct 2015 14:42

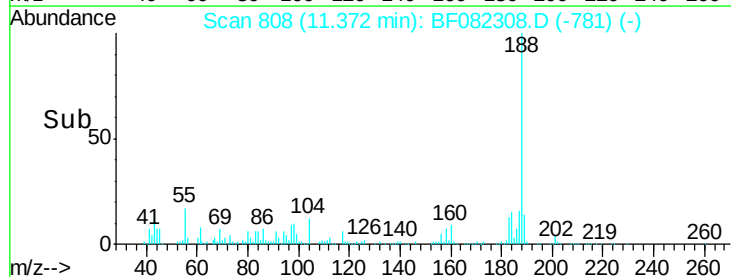
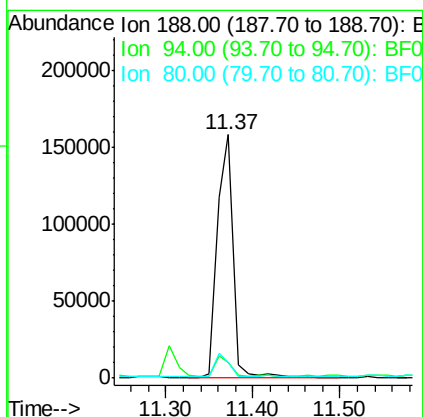
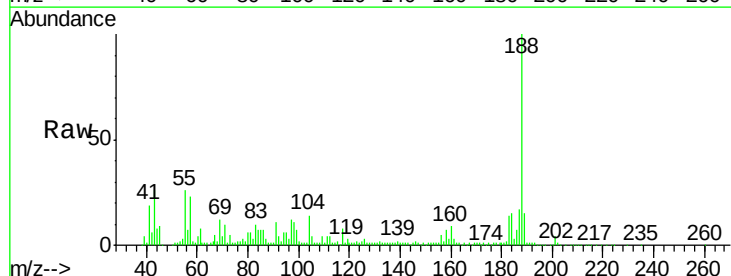
Instrument :
BNA_F
ClientSampled :
LF-9

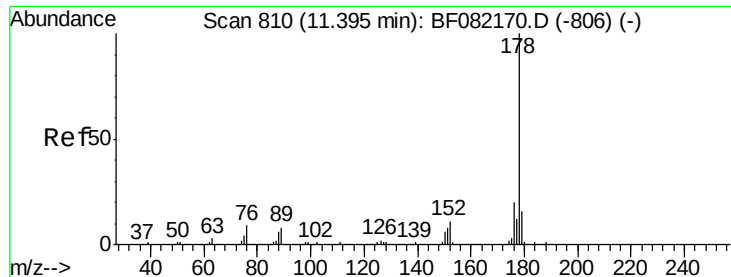
Tot Ion:184 Resp: 17058
Ion Ratio Lower Upper
184 100
63 7.8 45.1 67.7#
154 2.6 51.2 76.8#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 808
Delta R.T. 0.01 min
Lab File: BF082308.D
Acq: 15 Oct 2015 14:42

Tgt Ion:188 Resp: 205549
Ion Ratio Lower Upper
188 100
94 6.4 5.8 8.6
80 6.4 6.4 9.6

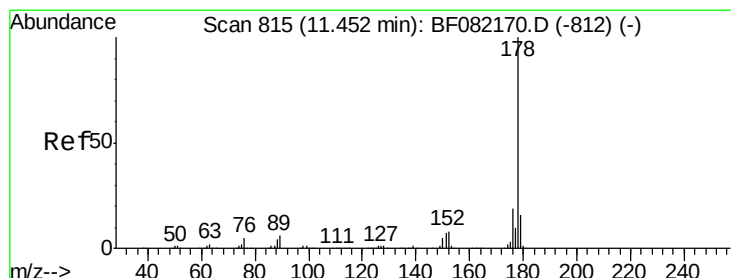
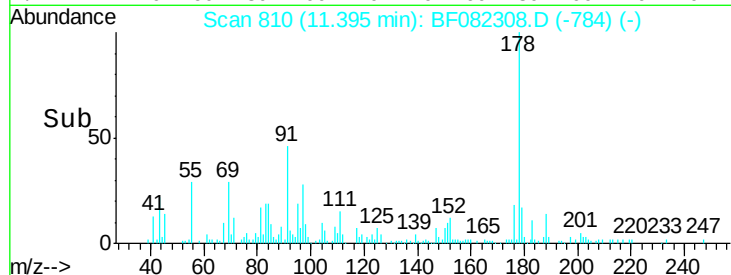
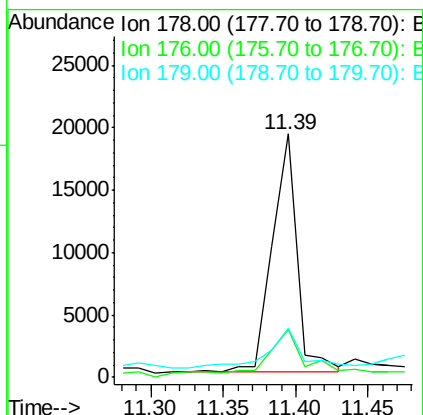
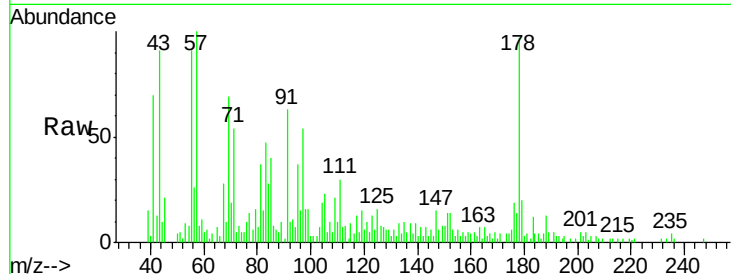




#70
Phenanthrene
Concen: 2.26 ng
RT: 11.39 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF082308.D
Acq: 15 Oct 2015 14:42

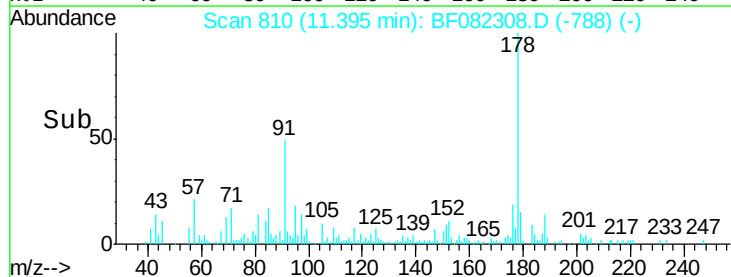
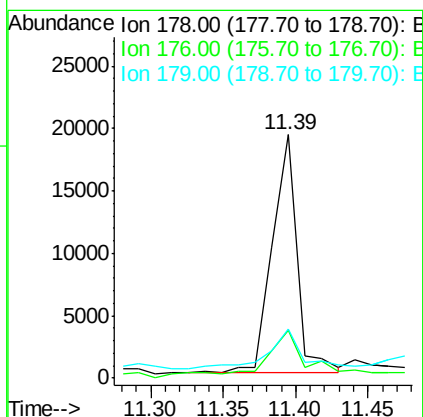
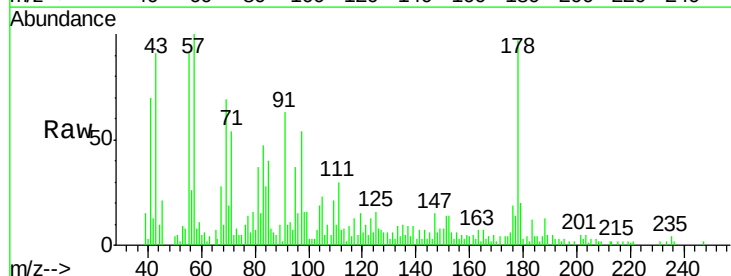
Instrument :
BNA_F
ClientSampleId :
LF-9

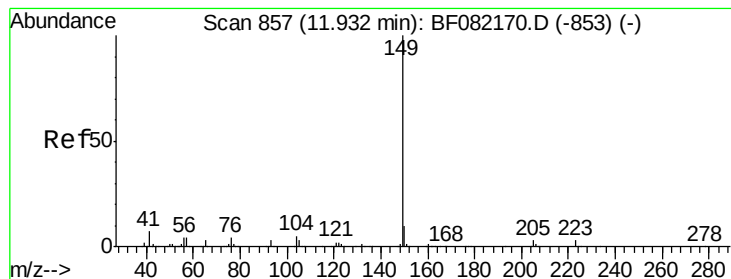
Tot Ion:178 Resp: 22816
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 20.3 12.6 19.0#



#71
Anthracene
Concen: 2.20 ng
RT: 11.39 min Scan# 810
Delta R.T. -0.05 min
Lab File: BF082308.D
Acq: 15 Oct 2015 14:42

Tgt Ion:178 Resp: 22816
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 20.3 12.5 18.7#





#73

Di-n-butylphthalate

Concen: 145.18 ng

RT: 11.94 min Scan# 858

Delta R.T. 0.01 min

Lab File: BF082308.D

Acq: 15 Oct 2015 14:42

Instrument :

BNA_F

ClientSampleId :

LF-9

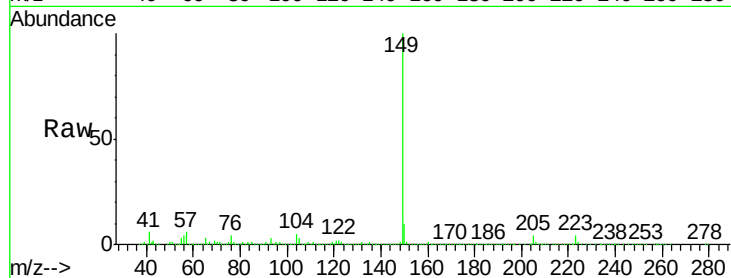
Tot Ion:149 Resp: 1696254

Ion Ratio Lower Upper

149 100

150 9.8 7.8 11.6

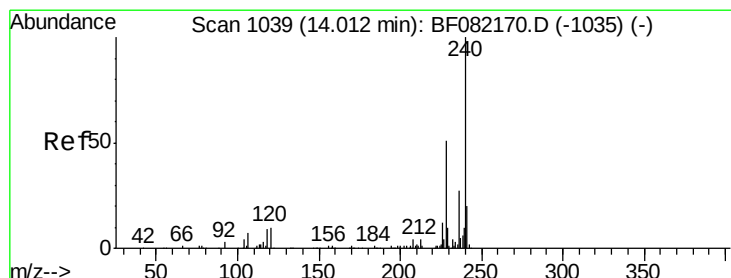
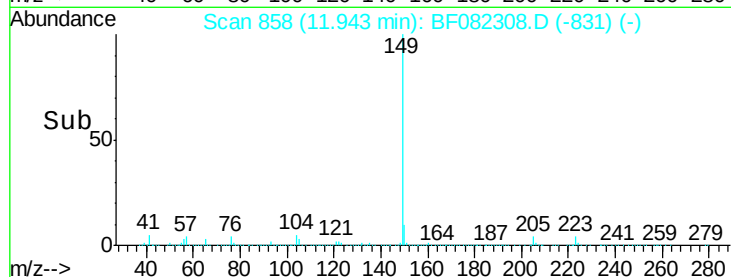
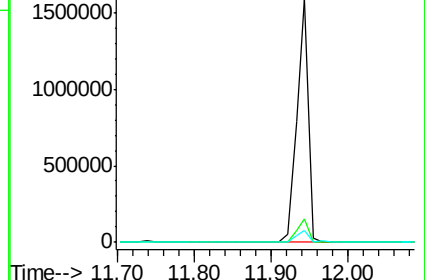
104 4.7 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.10 min Scan# 1047

Delta R.T. 0.01 min

Lab File: BF082308.D

Acq: 15 Oct 2015 14:42

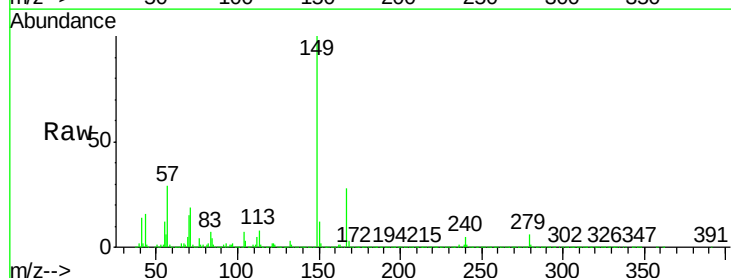
Tgt Ion:240 Resp: 119026

Ion Ratio Lower Upper

240 100

120 7.9 8.1 12.1#

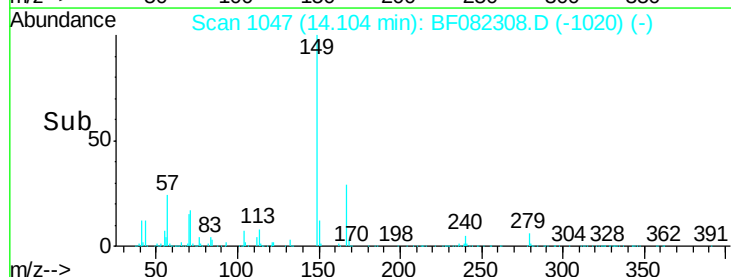
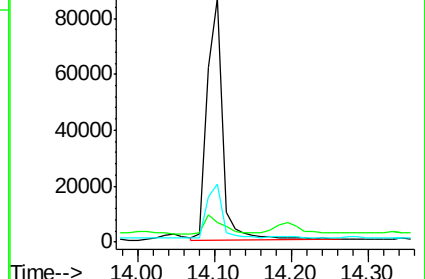
236 24.0 21.3 31.9

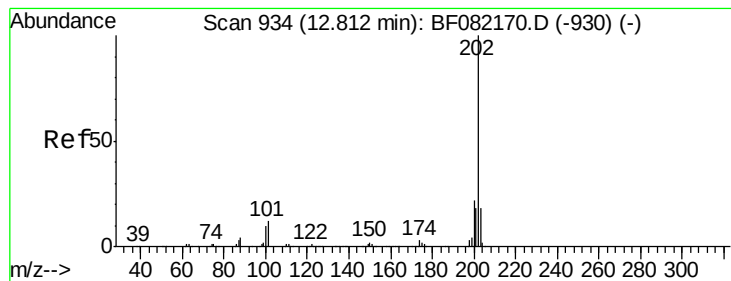


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.69 ng

RT: 12.82 min Scan# 935

Delta R.T. 0.01 min

Lab File: BF082308.D

Acq: 15 Oct 2015 14:42

Instrument :

BNA_F

ClientSampleId :

LF-9

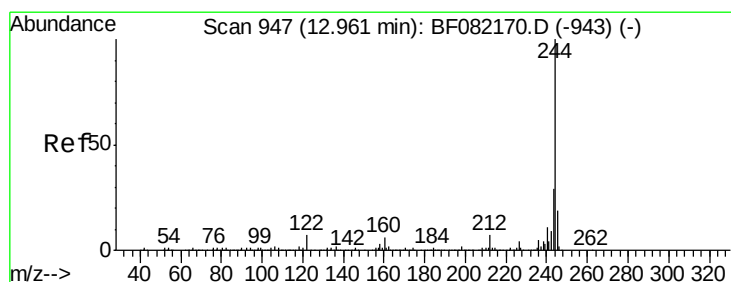
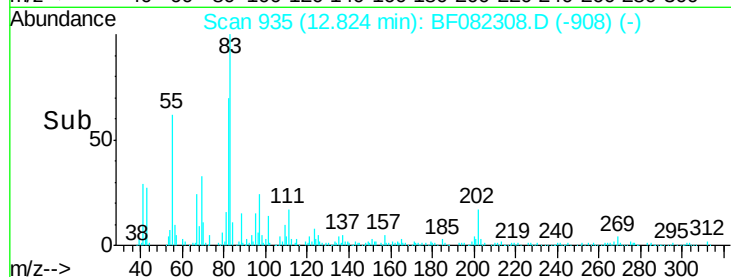
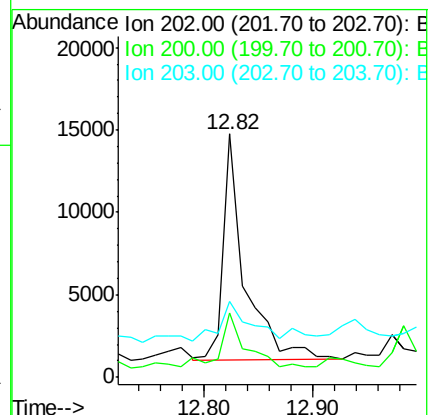
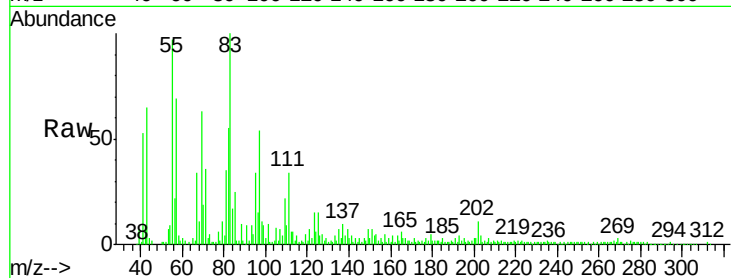
Tot Ion:202 Resp: 18971

Ion Ratio Lower Upper

202 100

200 26.7 17.9 26.9

203 31.3 14.5 21.7#



#78

Terphenyl-d14

Concen: 90.96 ng

RT: 12.97 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF082308.D

Acq: 15 Oct 2015 14:42

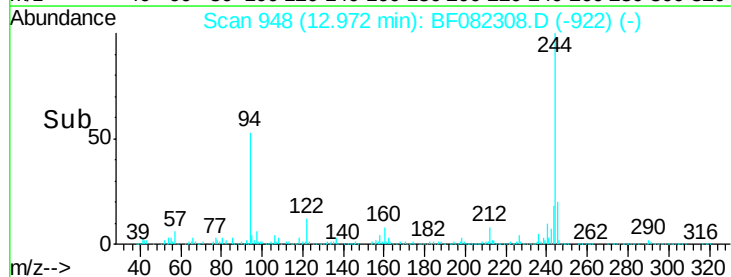
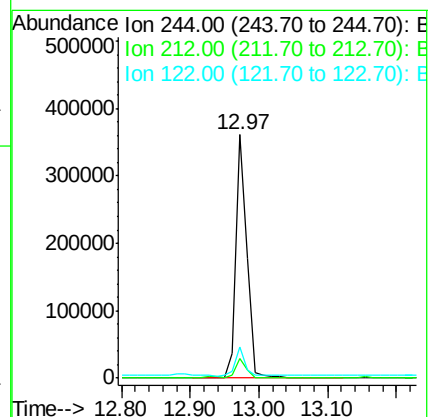
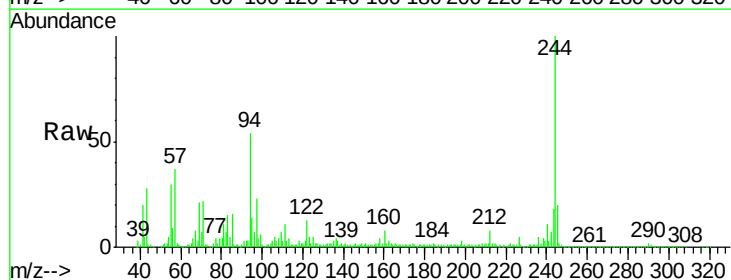
Tgt Ion:244 Resp: 408567

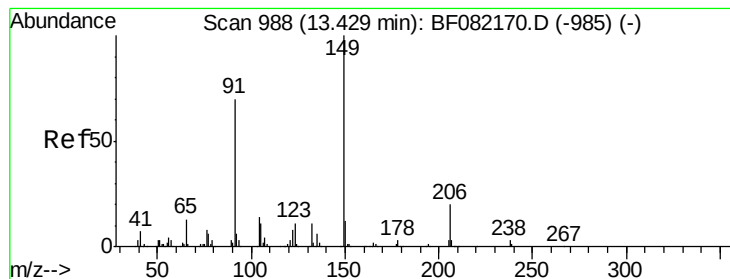
Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.6

122 13.0 5.9 8.9#





#79

Butylbenzylphthalate

Concen: 22.66 ng

RT: 13.48 min Scan# 992

Delta R.T. 0.01 min

Lab File: BF082308.D

Acq: 15 Oct 2015 14:42

Instrument :

BNA_F

ClientSampleId :

LF-9

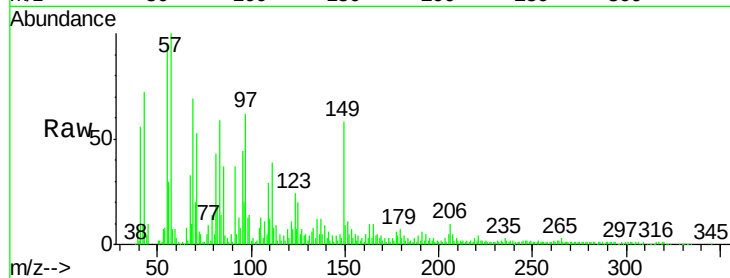
Tot Ion:149 Resp: 73056

Ion Ratio Lower Upper

149 100

91 63.0 55.7 83.5

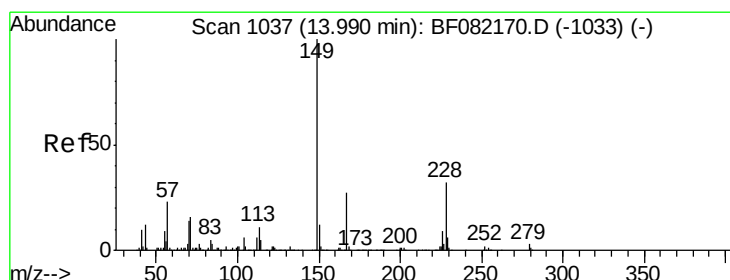
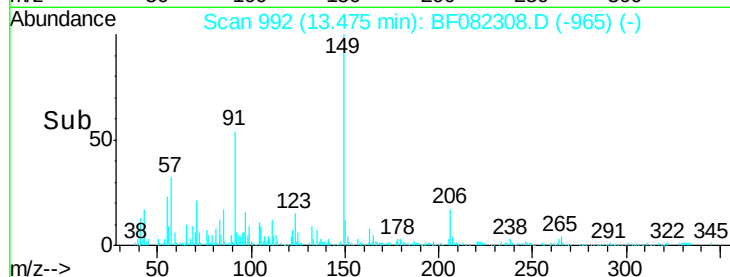
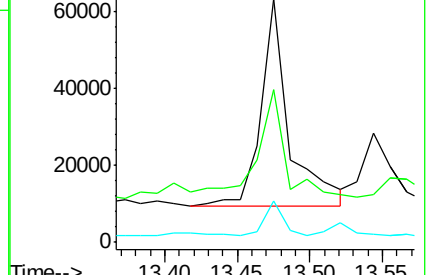
206 17.0 15.6 23.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 925.84 ng

RT: 14.10 min Scan# 1047

Delta R.T. 0.03 min

Lab File: BF082308.D

Acq: 15 Oct 2015 14:42

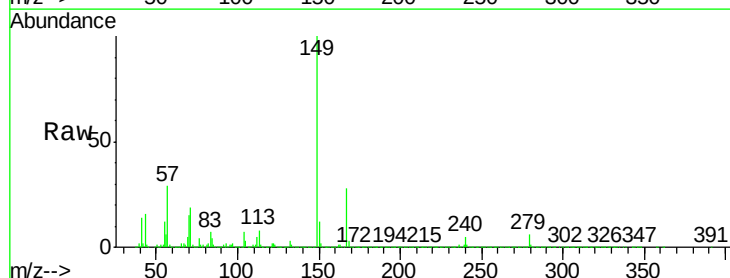
Tgt Ion:149 Resp: 4257966

Ion Ratio Lower Upper

149 100

167 28.5 21.3 31.9

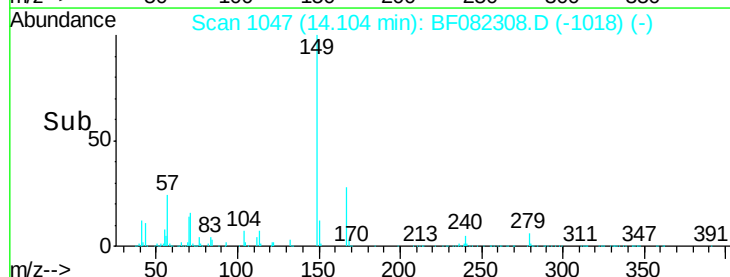
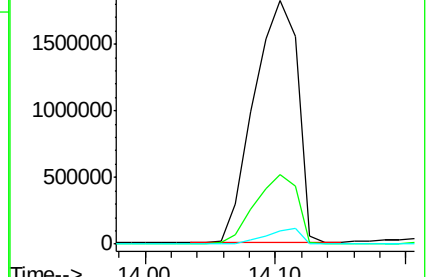
279 5.7 2.6 4.0#

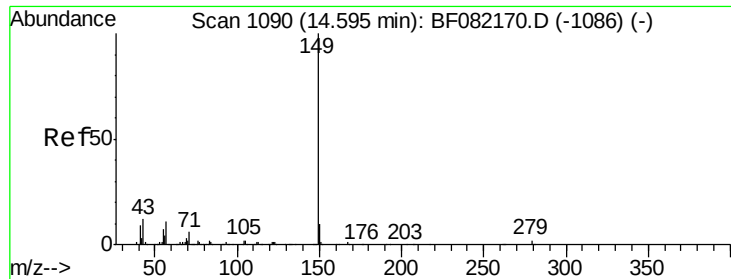


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

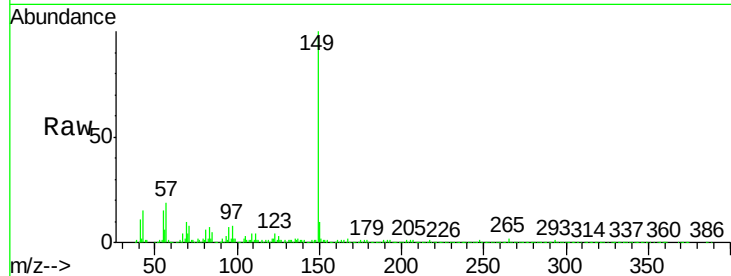




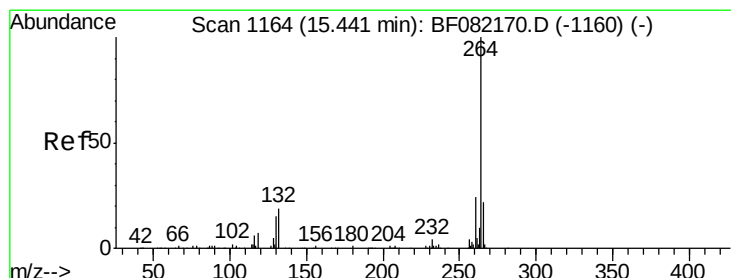
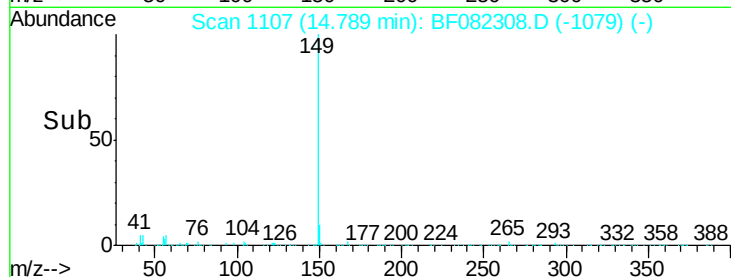
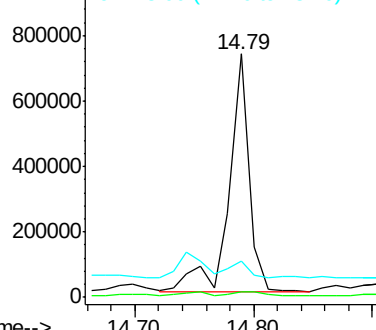
#84
Di-n-octyl phthalate
Concen: 111.06 ng
RT: 14.79 min Scan# 1107
Delta R.T. 0.02 min
Lab File: BF082308.D
Acq: 15 Oct 2015 14:42

Instrument :
BNA_F
ClientSampled :
LF-9

Tot Ion	Ratio	Lower	Upper
149	100		
167	2.5	1.3	1.9#
43	0.0	7.4	11.2#

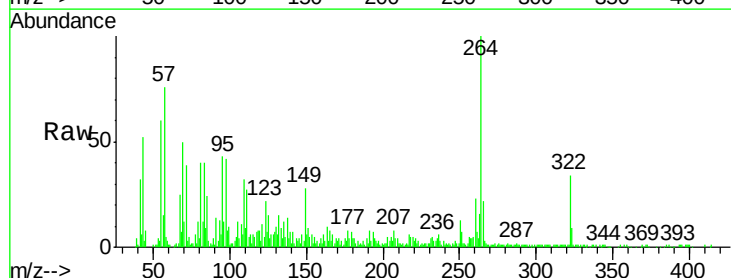


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.68 min Scan# 1185
Delta R.T. 0.02 min
Lab File: BF082308.D
Acq: 15 Oct 2015 14:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.6
265	22.4	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

