

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080415\
 Data File : BF080856.D
 Acq On : 5 Aug 2015 00:26
 Operator : TP/UM
 Sample : G3150-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-22-17

Quant Time: Aug 05 03:02:36 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 05 01:46:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	65176	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	245824	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	105728	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	193188	20.00	ng	0.00
75) Chrysene-d12	13.96	240	119874	20.00	ng	0.00
86) Perylene-d12	15.37	264	82976	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	512755	119.07	ng	0.01
7) Phenol-d6	6.45	99	625245	111.07	ng	0.00
23) Nitrobenzene-d5	7.39	82	450501	86.37	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	96993	95.13	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	448174	57.08	ng	0.00
78) Terphenyl-d14	12.92	244	264210	39.89	ng	0.00

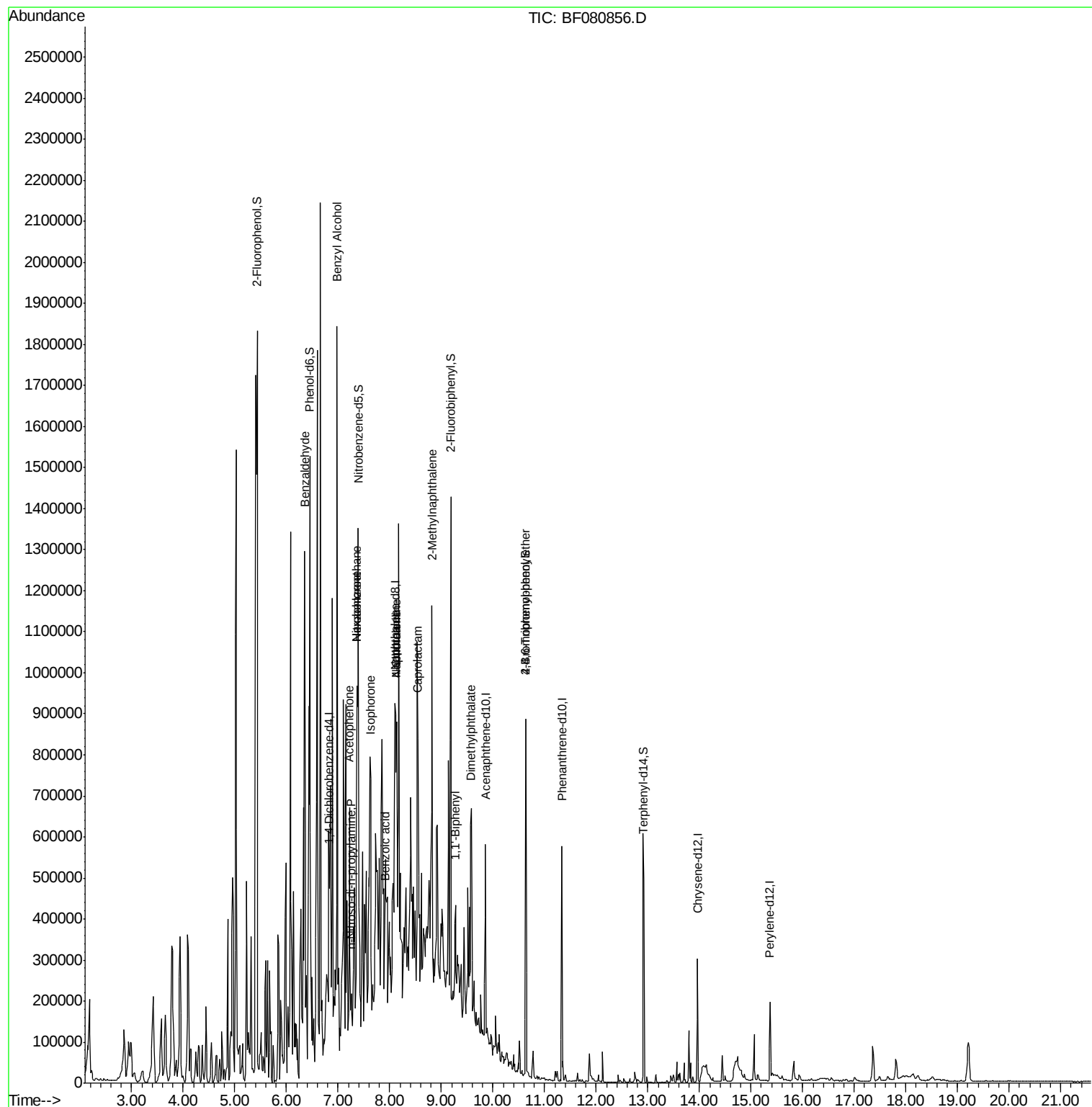
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.35	77	50923	12.97	ng	# 1
15) Benzyl Alcohol	6.98	79	10554	2.87	ng	# 49
18) Hexachloroethane	7.37	117	34157	17.32	ng	# 1
19) n-Nitroso-di-n-propylamine	7.25	70	7417	2.04	ng	# 63
22) Acetophenone	7.22	105	51938	8.65	ng	# 49
24) Nitrobenzene	7.37	77	17836	3.30	ng	# 21
25) Isophorone	7.63	82	19815	2.14	ng	# 1
31) Naphthalene	8.13	128	292750	21.86	ng	98
32) Benzoic acid	7.90	122	3811	3.94	ng	# 18
33) 4-Chloroaniline	8.13	127	49252	9.40	ng	# 39
35) Caprolactam	8.54	113	21747	22.33	ng	# 49
37) 2-Methylnaphthalene	8.82	142	259045	32.28	ng	100
45) 1,1'-Biphenyl	9.28	154	25271	2.59	ng	94
49) Dimethylphthalate	9.57	163	129794	16.83	ng	99
60) 4-Chlorophenyl-phenylether	10.22	204	301	Below Cal	#	59
66) 4-Bromophenyl-phenylether	10.64	248	6110	2.86	ng	# 1

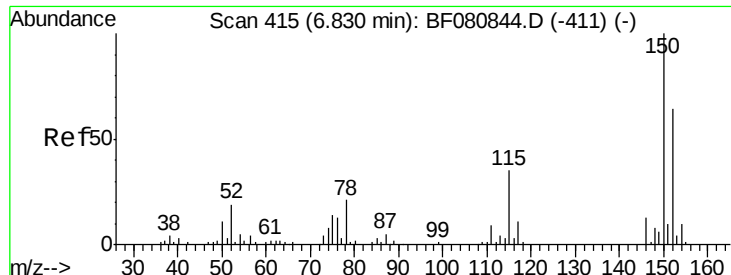
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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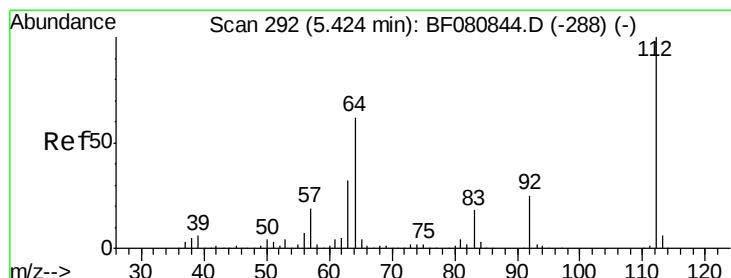
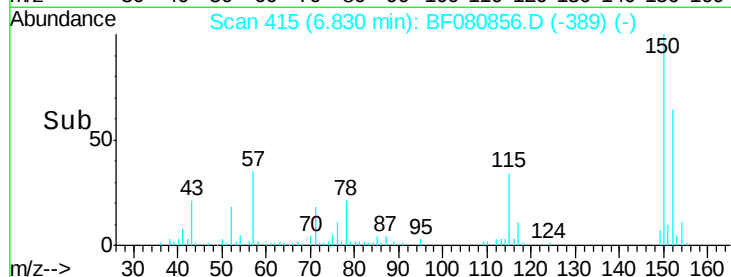
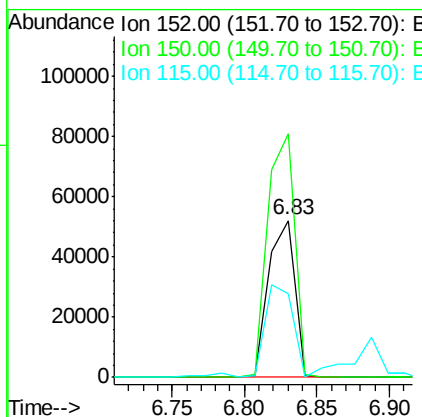
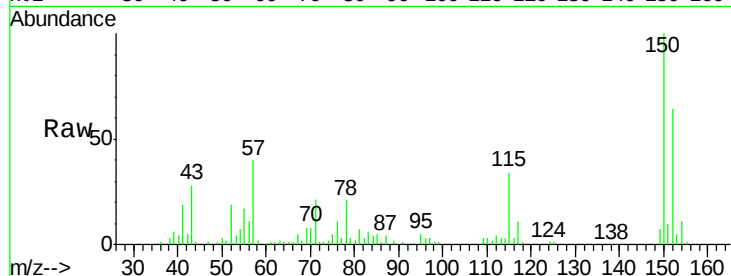


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.00 min
Lab File: BF080856.D
Acq: 5 Aug 2015 00:26

Instrument :
BNA_F
ClientSampleId :
TU021-SB-22-17

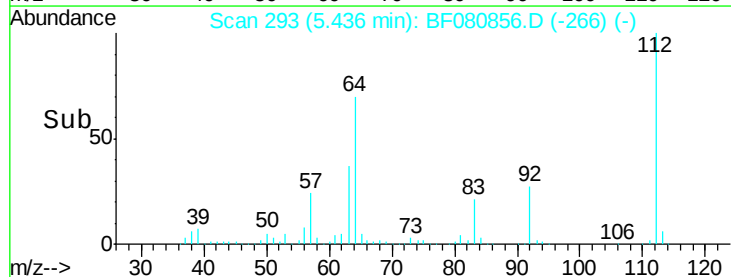
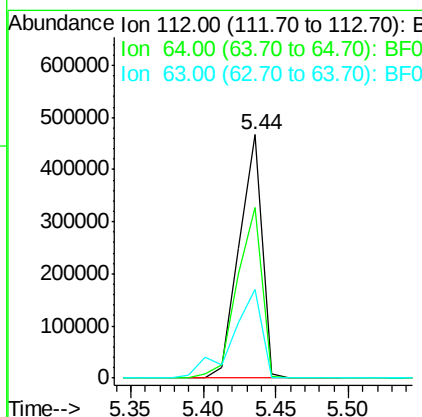
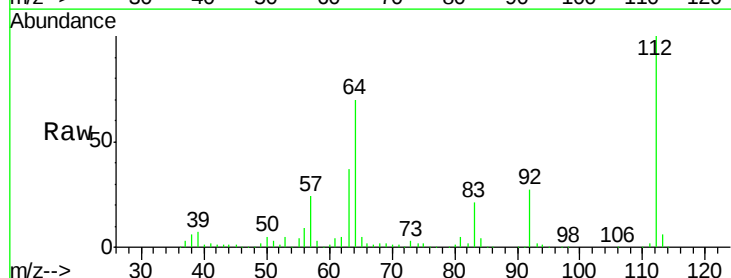
Tot Ion:152 Resp: 65176
Ion Ratio Lower Upper
152 100
150 155.5 124.6 187.0
115 53.6 44.2 66.4

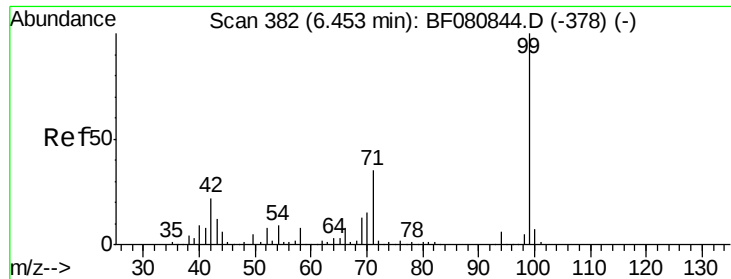


#5

2-Fluorophenol
Concen: 119.07 ng
RT: 5.44 min Scan# 293
Delta R.T. 0.01 min
Lab File: BF080856.D
Acq: 5 Aug 2015 00:26

Tgt Ion:112 Resp: 512755
Ion Ratio Lower Upper
112 100
64 70.3 49.5 74.3
63 36.6 25.3 37.9





#7

Phenol-d6

Concen: 111.07 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF080856.D

Acq: 5 Aug 2015 00:26

Instrument :

BNA_F

ClientSampleId :

TU021-SB-22-17

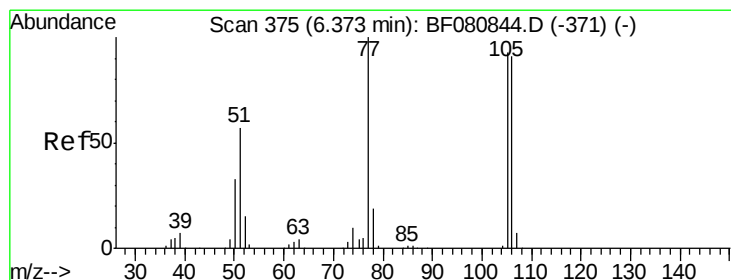
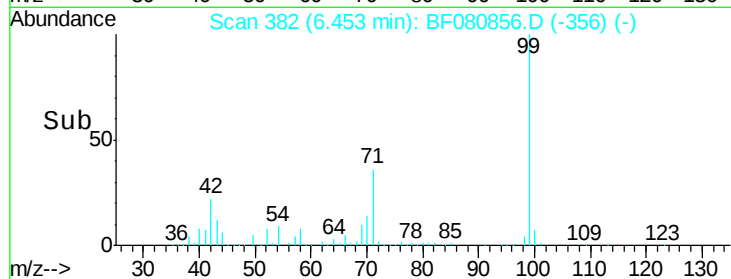
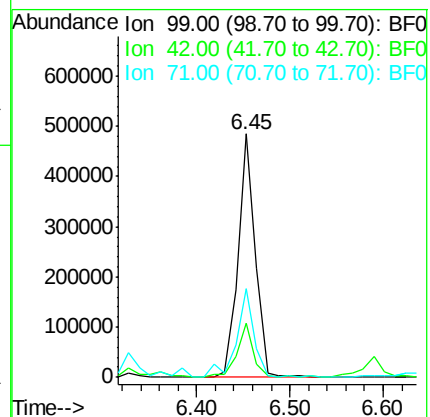
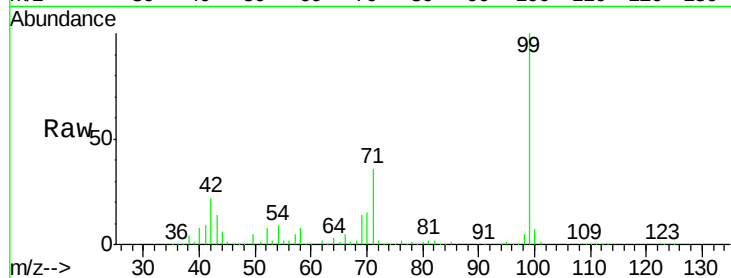
Tot Ion: 99 Resp: 625245

Ion Ratio Lower Upper

99 100

42 22.3 17.9 26.9

71 36.2 28.2 42.4



#9

Benzaldehyde

Concen: 12.97 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF080856.D

Acq: 5 Aug 2015 00:26

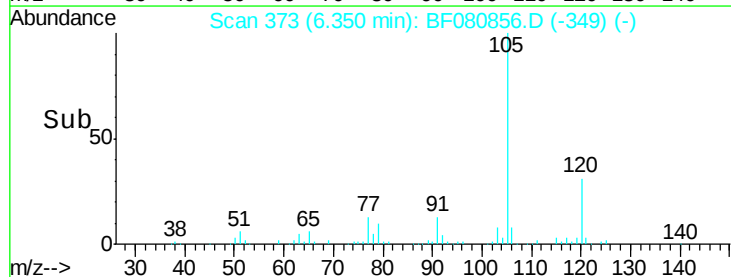
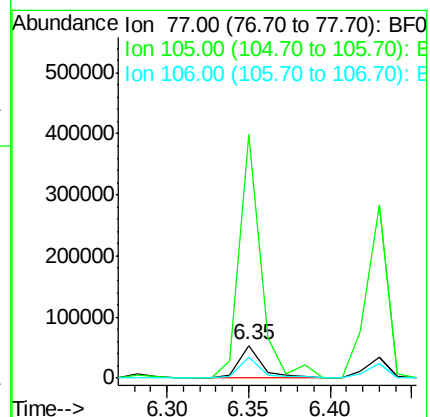
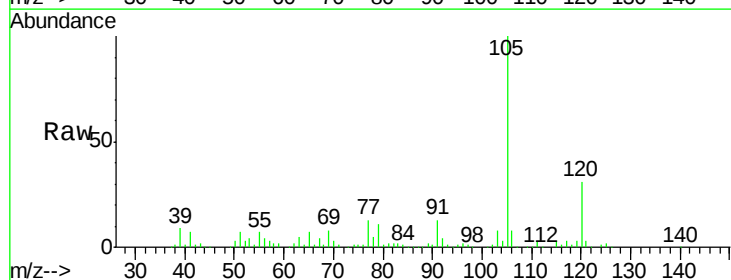
Tgt Ion: 77 Resp: 50923

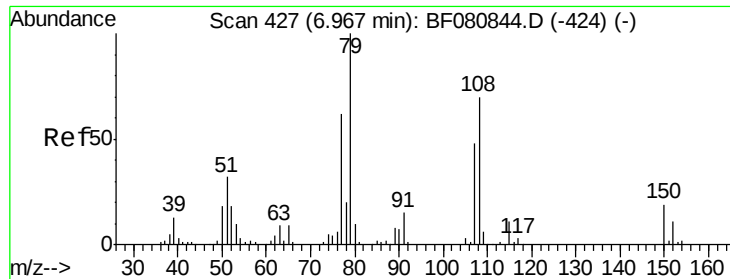
Ion Ratio Lower Upper

77 100

105 745.1 73.5 113.5#

106 62.4 70.8 110.8#





#15

Benzyl Alcohol

Concen: 2.87 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.01 min

Lab File: BF080856.D

Acq: 5 Aug 2015 00:26

Instrument :

BNA_F

ClientSampleId :

TU021-SB-22-17

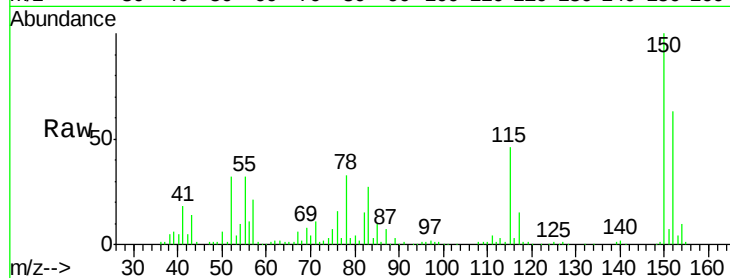
Tot Ion: 79 Resp: 10554

Ion Ratio Lower Upper

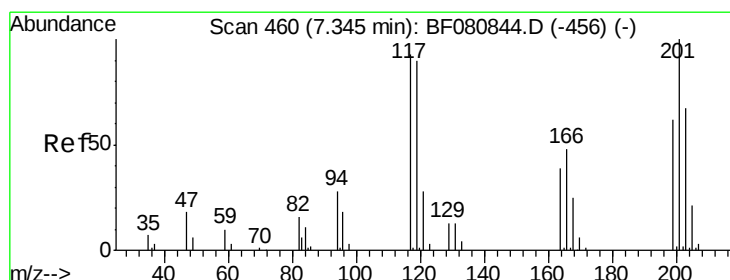
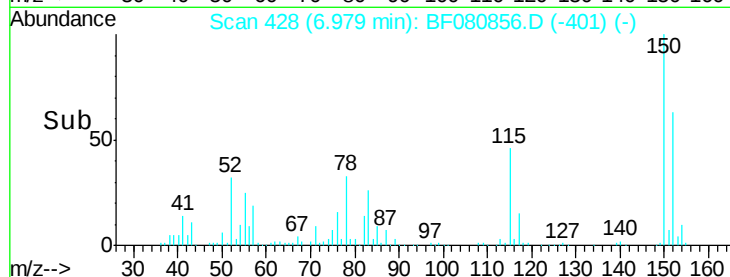
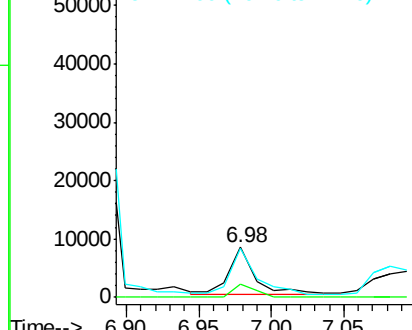
79 100

108 25.9 55.9 83.9#

77 97.9 49.4 74.2#



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



#18

Hexachloroethane

Concen: 17.32 ng

RT: 7.37 min Scan# 462

Delta R.T. 0.02 min

Lab File: BF080856.D

Acq: 5 Aug 2015 00:26

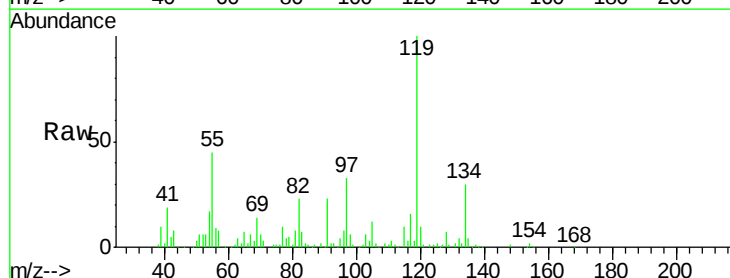
Tgt Ion: 117 Resp: 34157

Ion Ratio Lower Upper

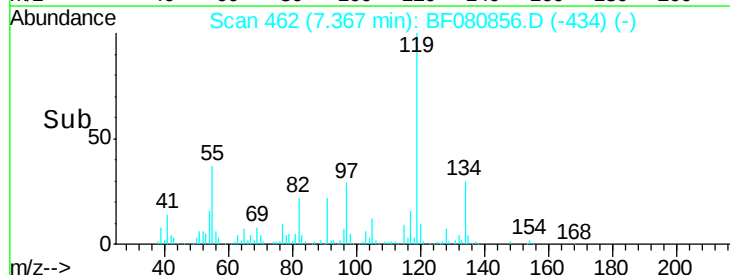
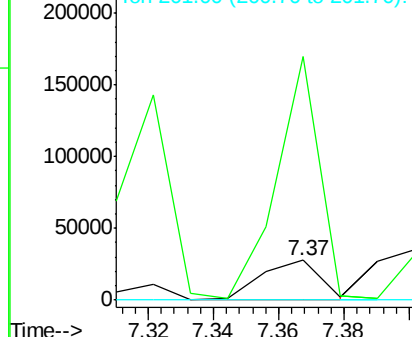
117 100

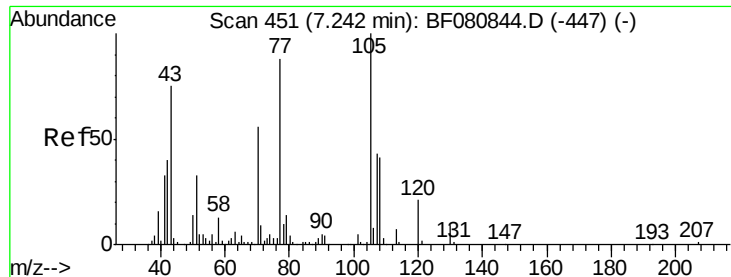
119 613.1 77.4 116.0#

201 0.0 85.8 128.6#



Abundance Ion 117.00 (116.70 to 117.70): B
Ion 119.00 (118.70 to 119.70): B
Ion 201.00 (200.70 to 201.70): B

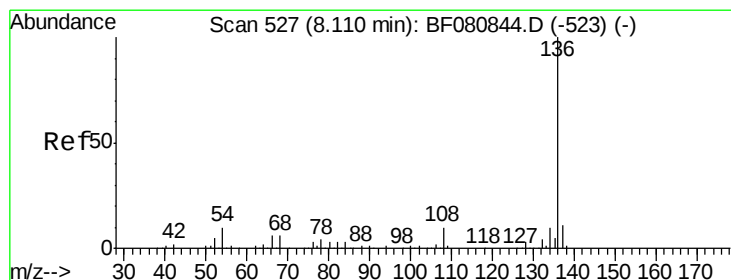
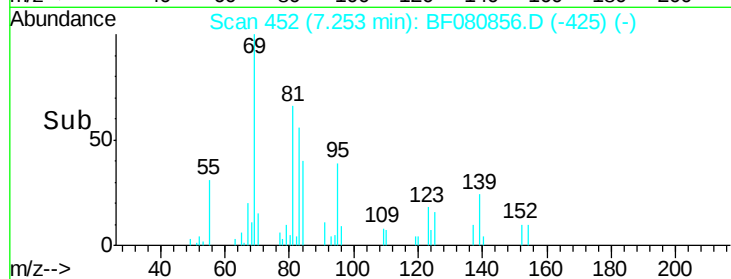
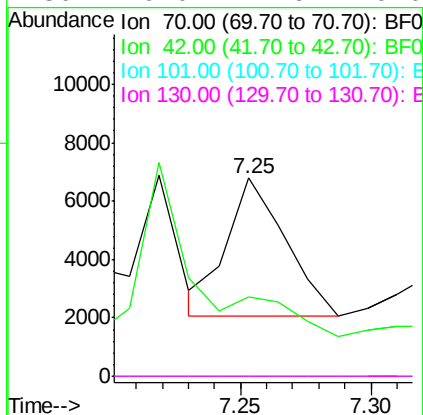
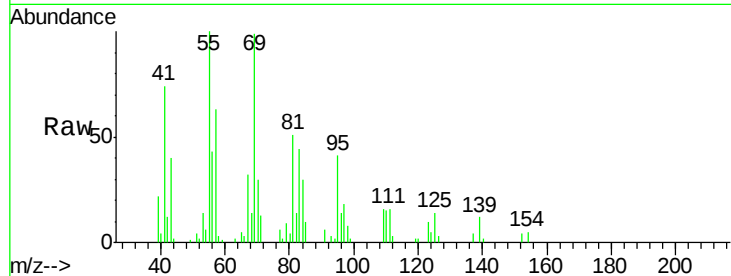




#19
n-Nitroso-di-n-propylamine
Concen: 2.04 ng
RT: 7.25 min Scan# 452
Delta R.T. 0.01 min
Lab File: BF080856.D
Acq: 5 Aug 2015 00:26

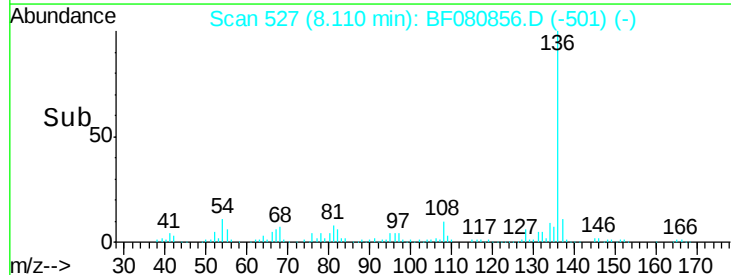
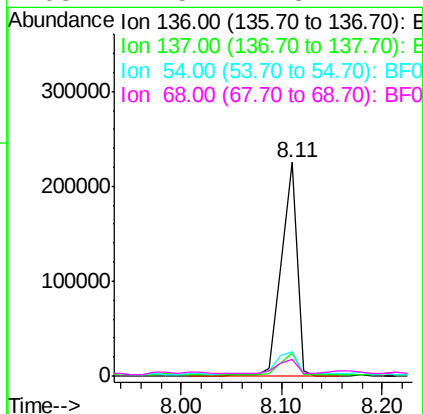
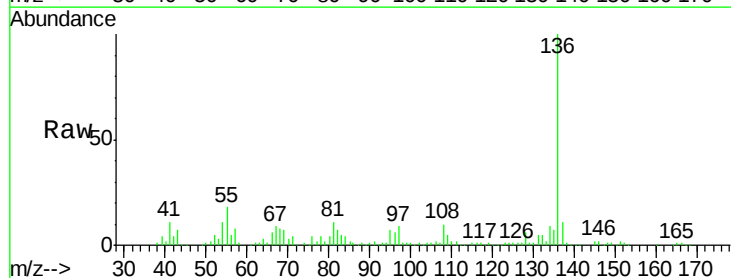
Instrument :
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TU021-SB-22-17

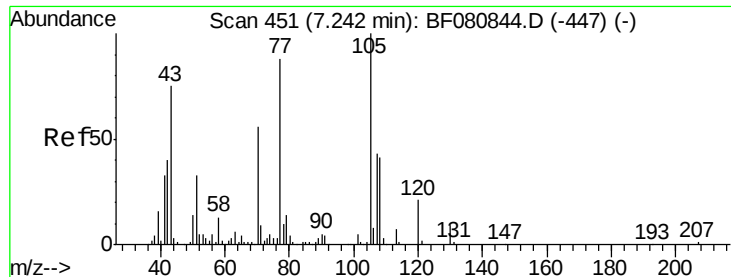
Tot Ion: 70 Resp: 7417
Ion Ratio Lower Upper
70 100
42 40.0 57.8 86.8#
101 0.0 6.7 10.1#
130 0.0 12.6 19.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF080856.D
Acq: 5 Aug 2015 00:26

Tgt Ion: 136 Resp: 245824
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 11.4 8.3 12.5
68 7.5 4.8 7.2#





#22

Acetophenone

Concen: 8.65 ng

RT: 7.22 min Scan# 449

Delta R.T. -0.02 min

Lab File: BF080856.D

Acq: 5 Aug 2015 00:26

Instrument :

BNA_F

ClientSampleId :

TU021-SB-22-17

Tot Ion:105 Resp: 51938

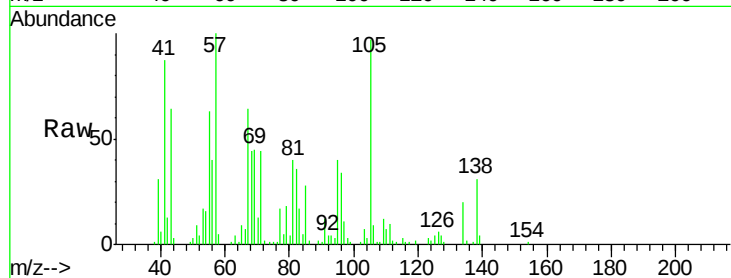
Ion Ratio Lower Upper

105 100

71 45.1 7.4 11.2#

51 9.2 26.5 39.7#

120 0.0 17.0 25.4#



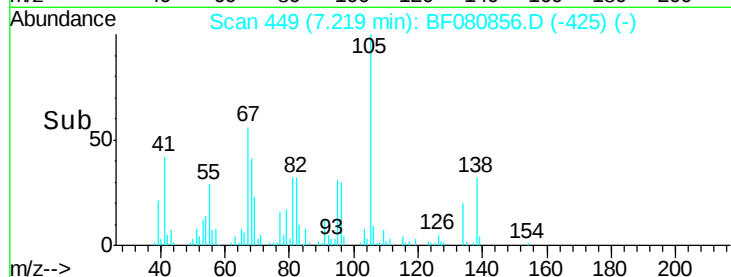
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

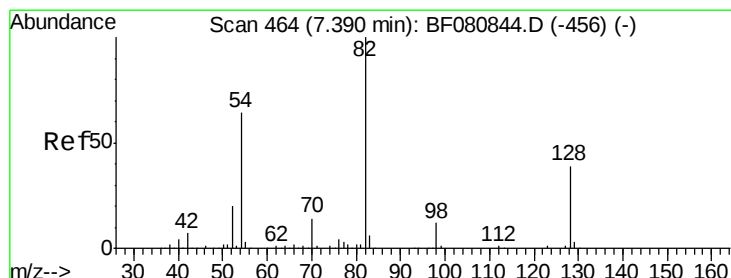
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->



Time-->



#23

Nitrobenzene-d5

Concen: 86.37 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.00 min

Lab File: BF080856.D

Acq: 5 Aug 2015 00:26

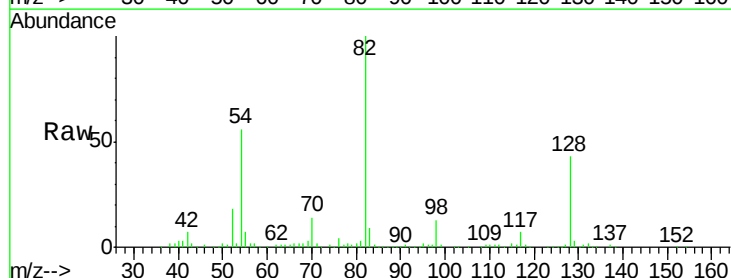
Tgt Ion: 82 Resp: 450501

Ion Ratio Lower Upper

82 100

128 43.1 31.0 46.4

54 56.5 51.0 76.6

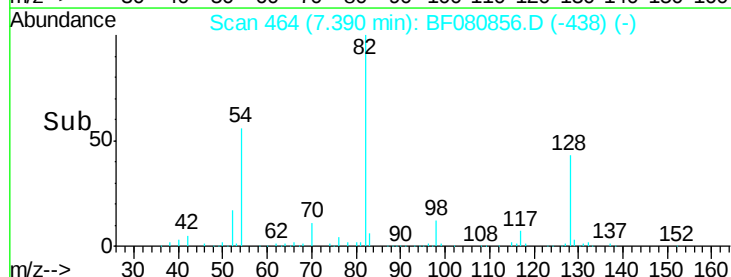


Abundance Ion 82.00 (81.70 to 82.70): BF0

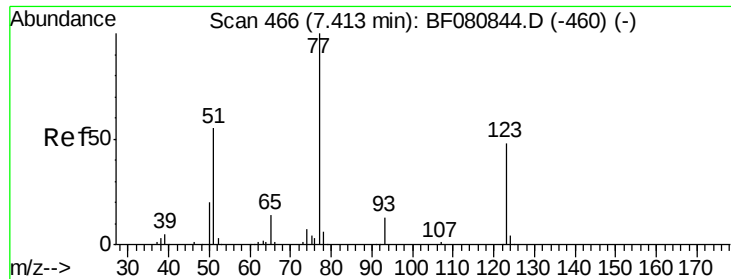
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->



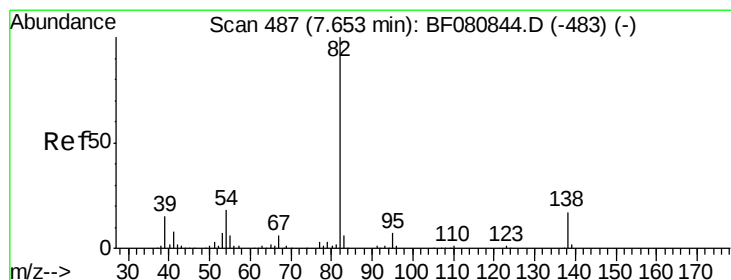
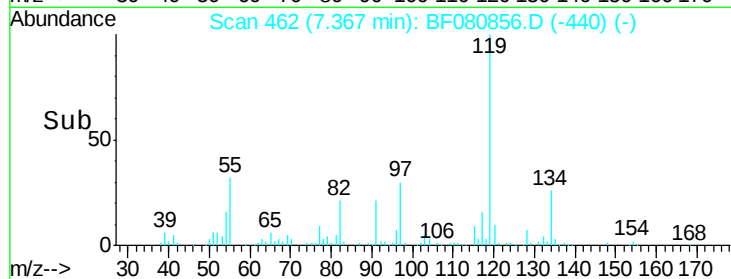
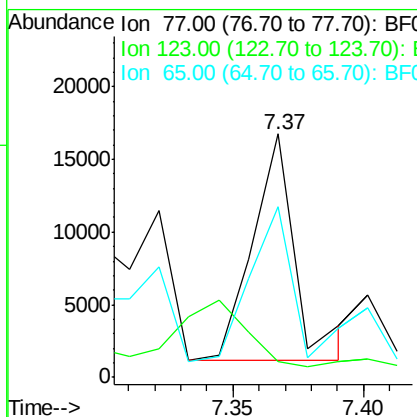
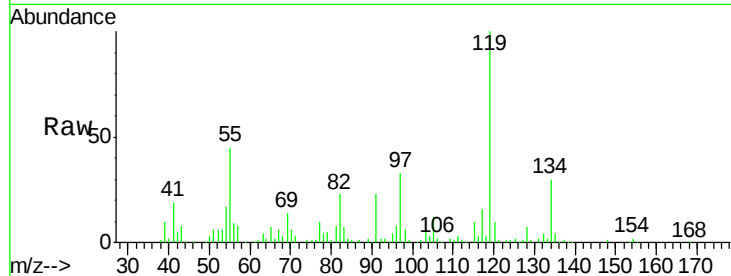
Time-->



#24
 Nitrobenzene
 Concen: 3.30 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.05 min
 Lab File: BF080856.D
 Acq: 5 Aug 2015 00:26

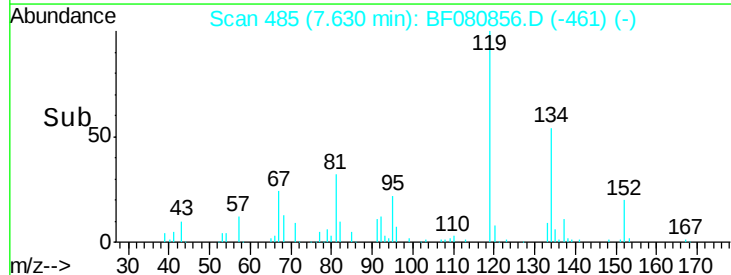
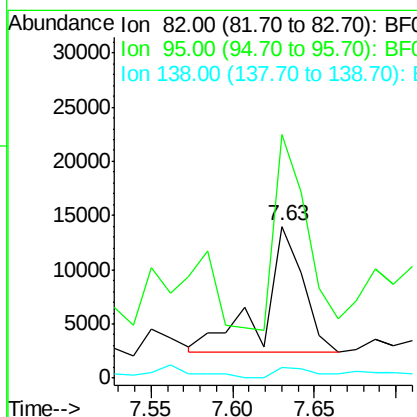
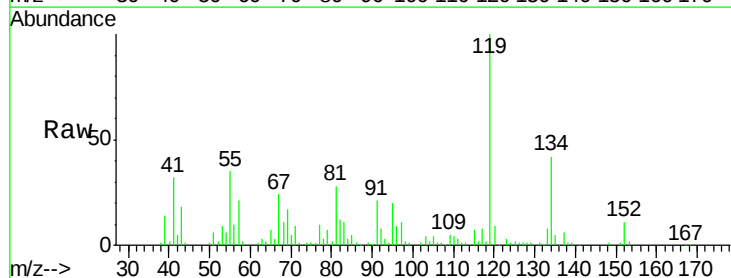
Instrument :
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 TU021-SB-22-17

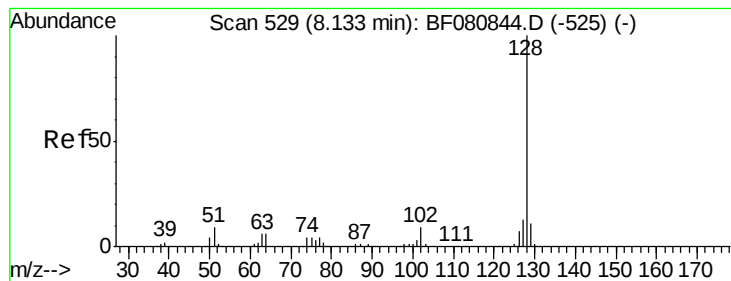
Tot Ion: 77 Resp: 17836
 Ion Ratio Lower Upper
 77 100
 123 6.7 39.7 59.5#
 65 70.2 11.0 16.6#



#25
 Isophorone
 Concen: 2.14 ng
 RT: 7.63 min Scan# 485
 Delta R.T. -0.02 min
 Lab File: BF080856.D
 Acq: 5 Aug 2015 00:26

Tgt Ion: 82 Resp: 19815
 Ion Ratio Lower Upper
 82 100
 95 160.5 5.5 8.3#
 138 6.8 13.3 19.9#





#31

Naphthalene

Concen: 21.86 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.00 min

Lab File: BF080856.D

Acq: 5 Aug 2015 00:26

Instrument :

BNA_F

ClientSampleId :

TU021-SB-22-17

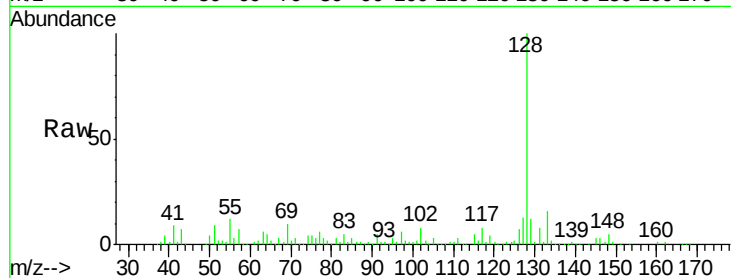
Tot Ion:128 Resp: 292750

Ion Ratio Lower Upper

128 100

129 12.2 8.7 13.1

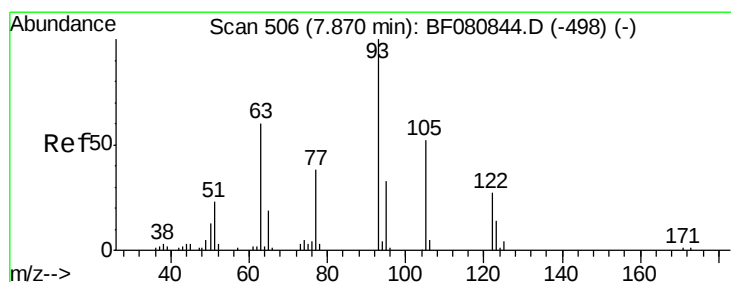
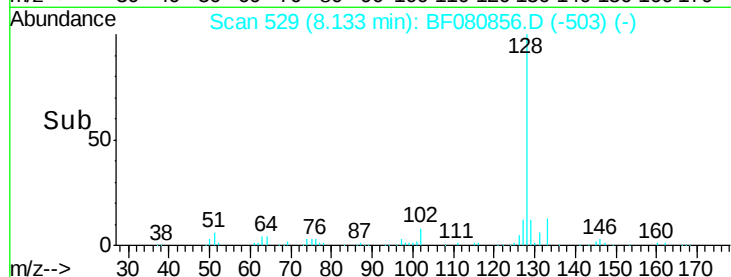
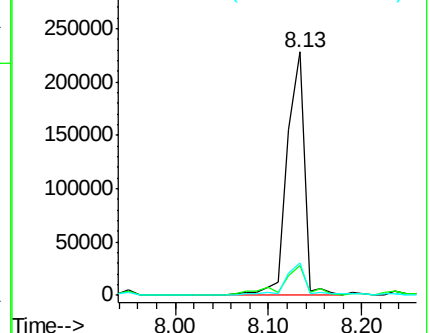
127 13.4 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 3.94 ng

RT: 7.90 min Scan# 509

Delta R.T. 0.03 min

Lab File: BF080856.D

Acq: 5 Aug 2015 00:26

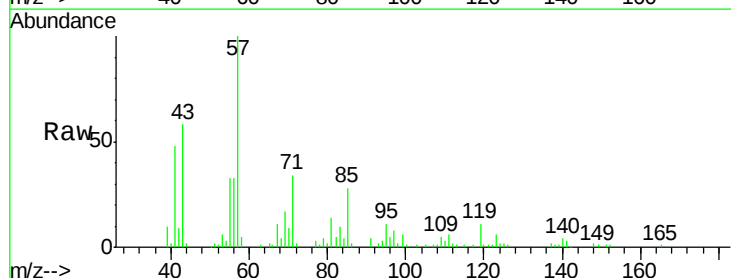
Tgt Ion:122 Resp: 3811

Ion Ratio Lower Upper

122 100

105 75.5 110.1 150.1#

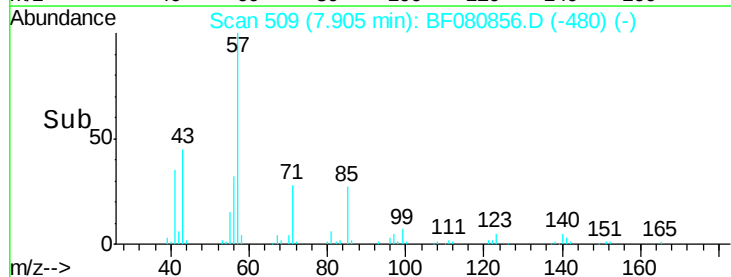
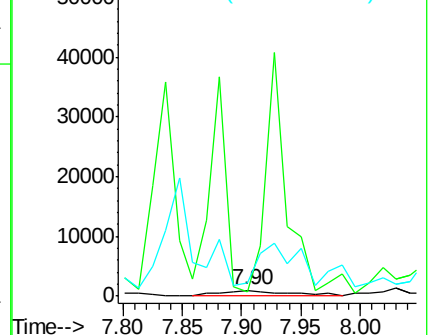
77 232.8 83.6 123.6#

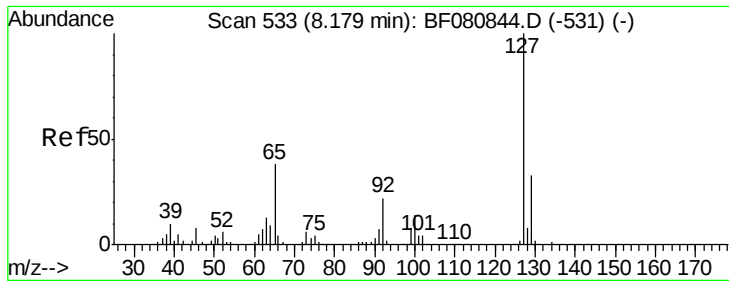


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

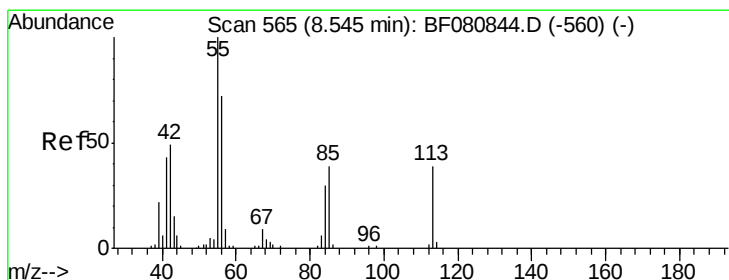
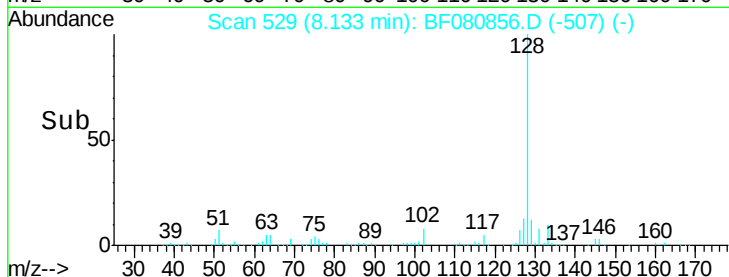
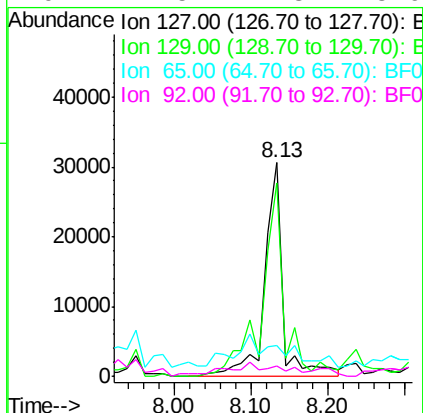
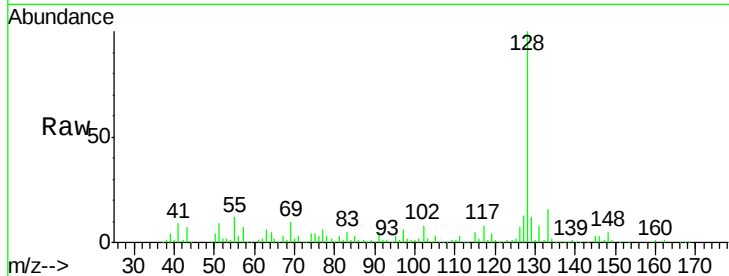




#33
4-Chloroaniline
Concen: 9.40 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.05 min
Lab File: BF080856.D
Acq: 5 Aug 2015 00:26

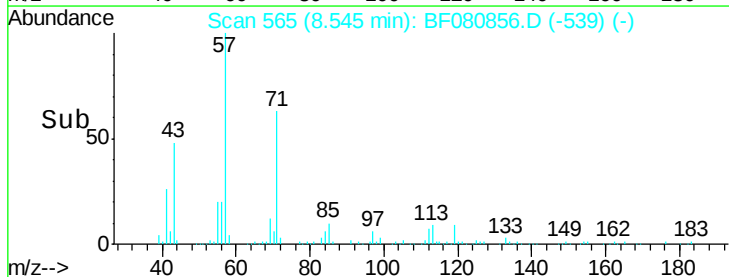
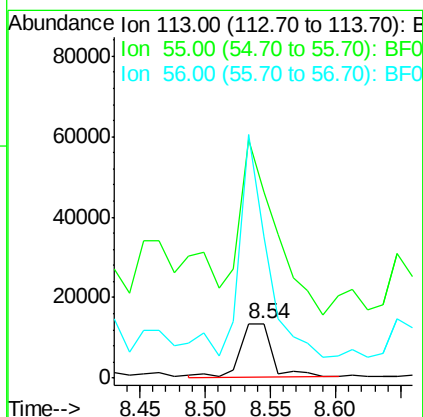
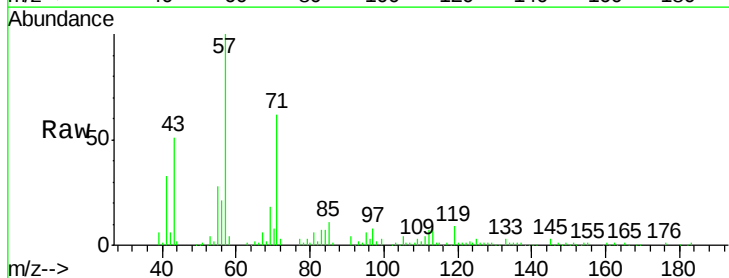
Instrument :
BNA_F
ClientSampleId :
TU021-SB-22-17

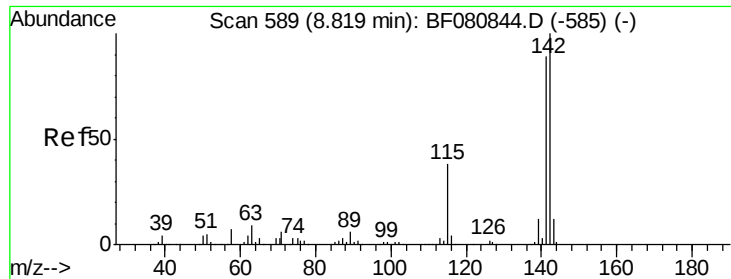
Tot Ion	Ratio	Lower	Upper
127	100		
129	90.6	26.2	39.2#
65	14.3	30.3	45.5#
92	4.5	17.3	25.9#



#35
Caprolactam
Concen: 22.33 ng
RT: 8.54 min Scan# 565
Delta R.T. -0.00 min
Lab File: BF080856.D
Acq: 5 Aug 2015 00:26

Tgt Ion	Ratio	Lower	Upper
113	100		
55	343.1	236.2	276.2#
56	261.5	165.2	205.2#

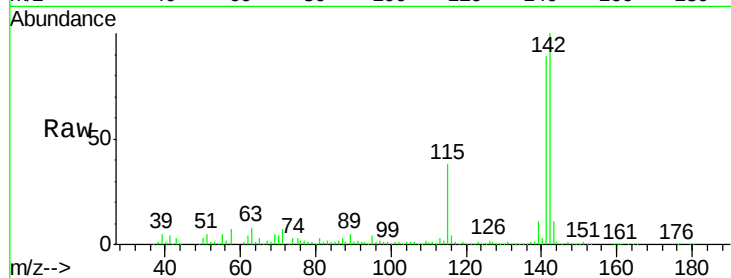




#37
2-Methylnaphthalene
Concen: 32.28 ng
RT: 8.82 min Scan# 589
Delta R.T. -0.00 min
Lab File: BF080856.D
Acq: 5 Aug 2015 00:26

Instrument :
BNA_F
ClientSampleId :
TU021-SB-22-17

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.5	107.3
115	38.1	30.5	45.7

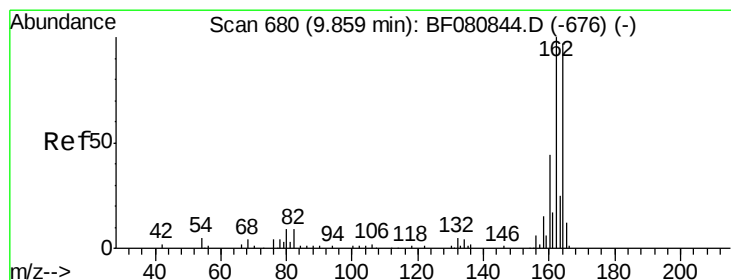
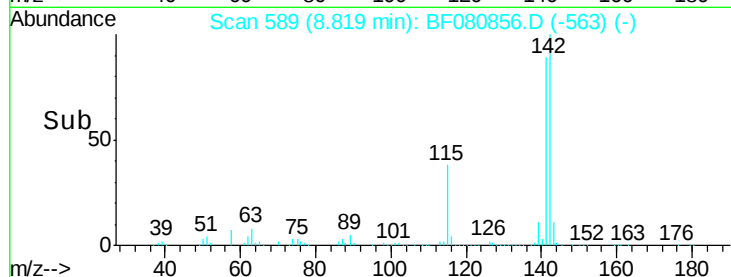
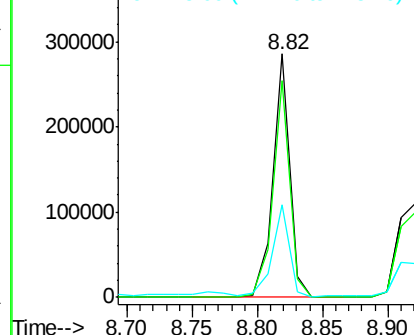


Abundance

Ion 142.00 (141.70 to 142.70): E

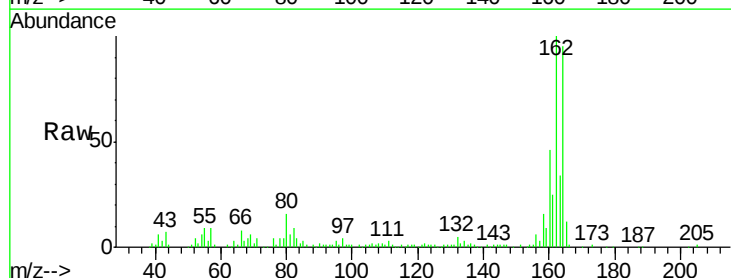
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.00 min
Lab File: BF080856.D
Acq: 5 Aug 2015 00:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	82.9	124.3
160	48.3	36.6	54.8

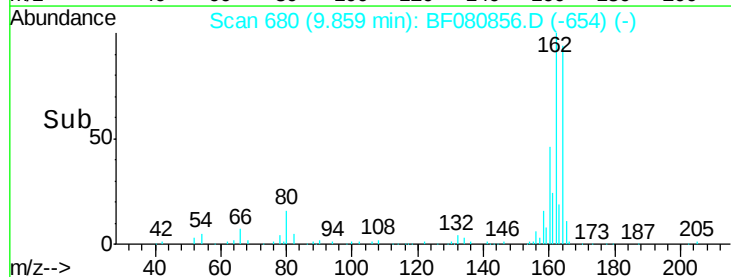
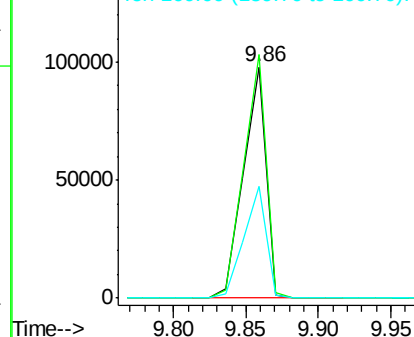


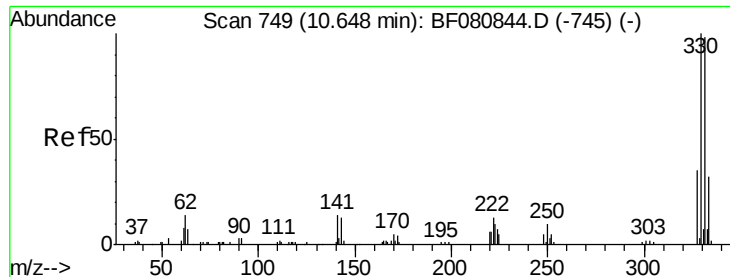
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

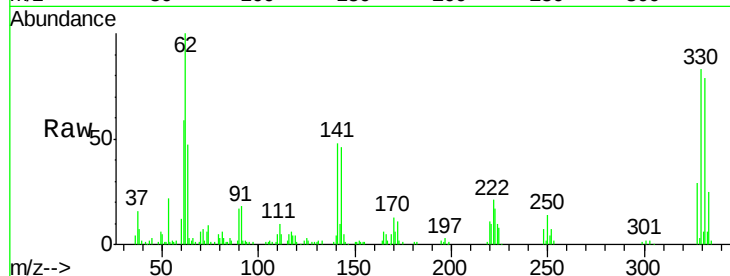




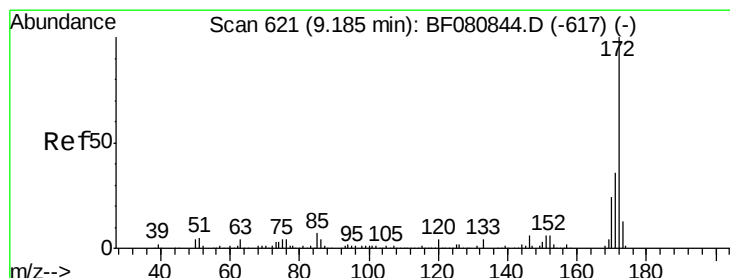
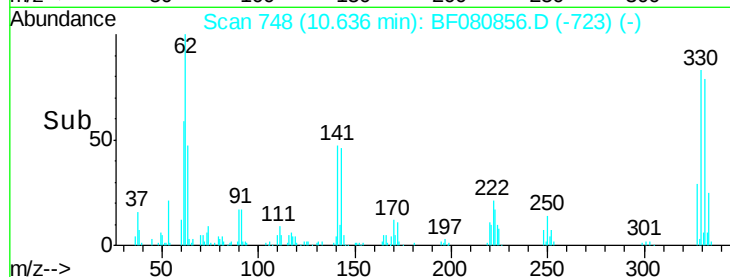
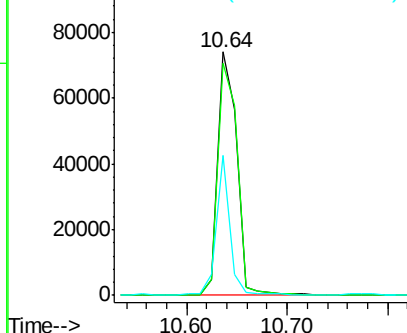
#41
 2,4,6-Tribromophenol
 Concen: 95.13 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.01 min
 Lab File: BF080856.D
 Acq: 5 Aug 2015 00:26

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-22-17

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.8	116.8
141	41.0	28.4	42.6

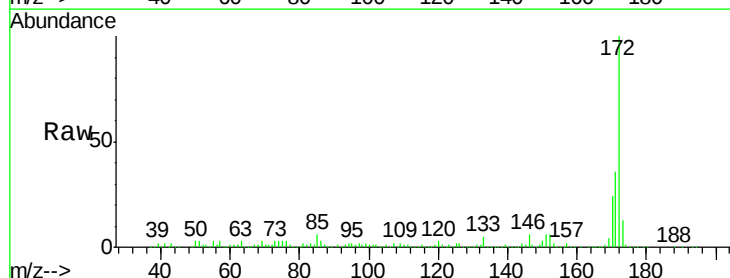


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

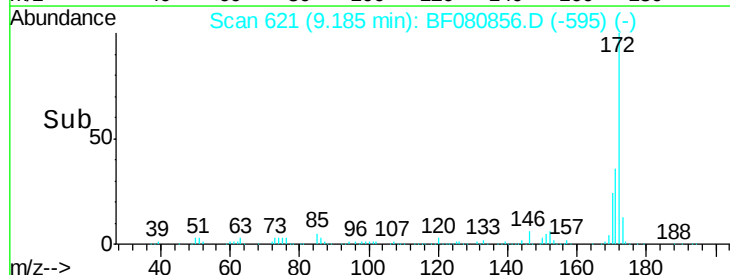
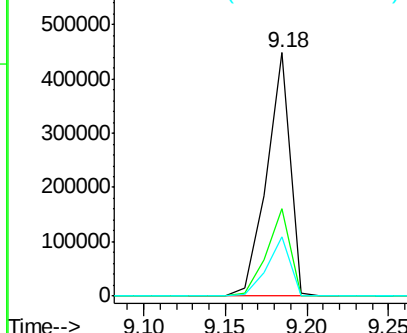


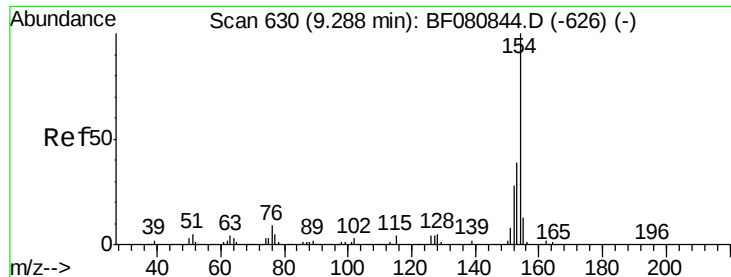
#44
 2-Fluorobiphenyl
 Concen: 57.08 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: BF080856.D
 Acq: 5 Aug 2015 00:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.9	43.3
170	24.2	19.4	29.2



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





#45

1,1'-Biphenyl

Concen: 2.59 ng

RT: 9.28 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF080856.D

Acq: 5 Aug 2015 00:26

Instrument :

BNA_F

ClientSampleId :

TU021-SB-22-17

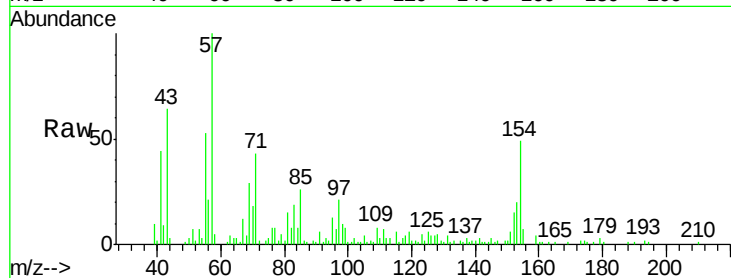
Tot Ion:154 Resp: 25271

Ion Ratio Lower Upper

154 100

153 40.8 19.2 59.2

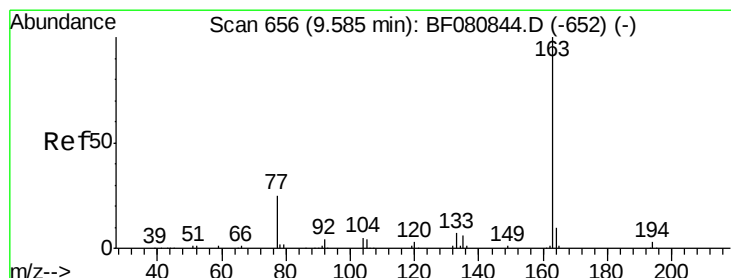
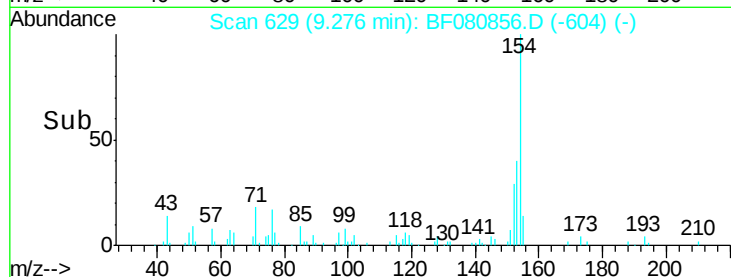
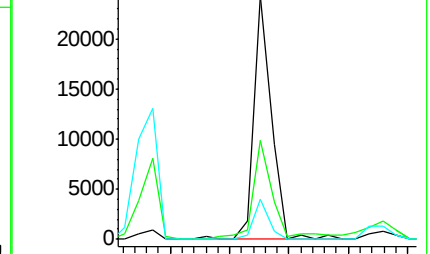
76 16.7 0.0 29.3



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



#49

Dimethylphthalate

Concen: 16.83 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF080856.D

Acq: 5 Aug 2015 00:26

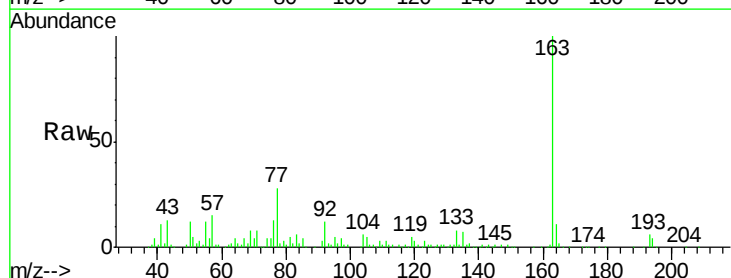
Tgt Ion:163 Resp: 129794

Ion Ratio Lower Upper

163 100

194 3.7 2.6 4.0

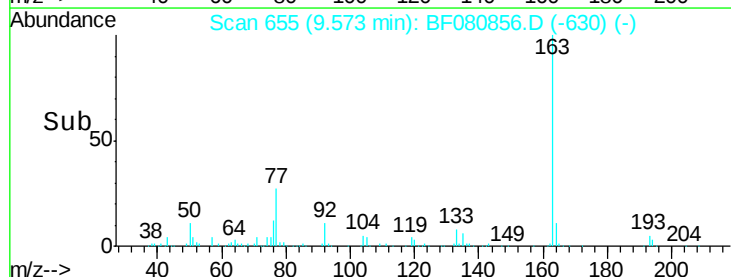
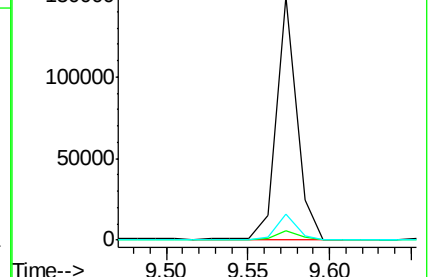
164 10.6 8.2 12.4

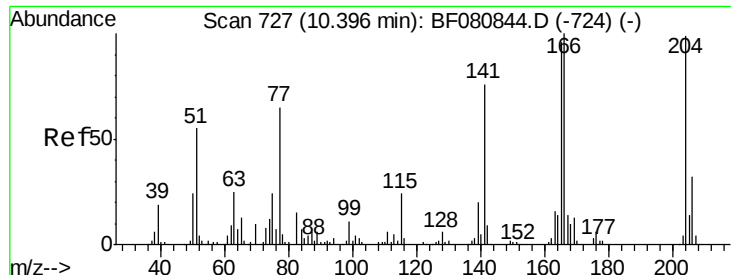


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

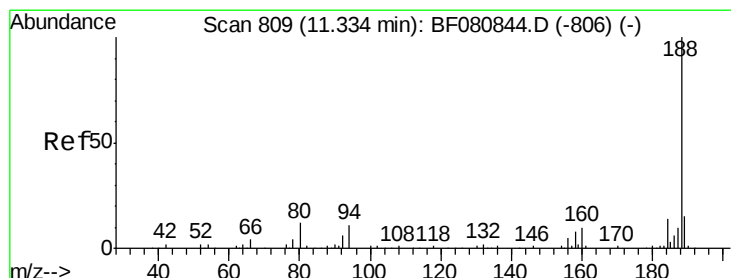
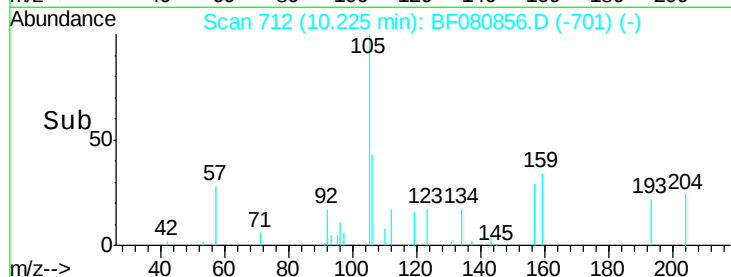
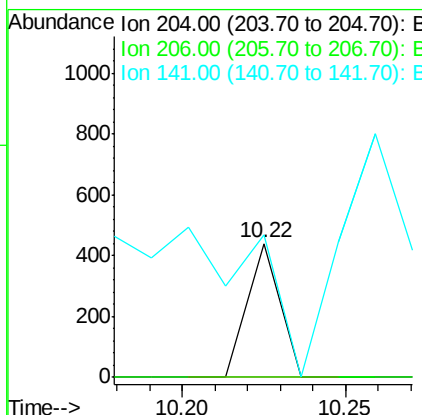
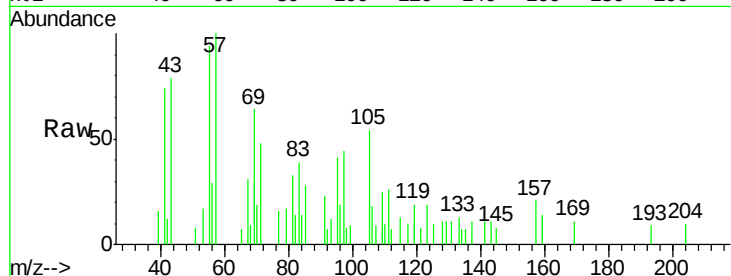




#60
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.22 min Scan# 712
Delta R.T. -0.17 min
Lab File: BF080856.D
Acq: 5 Aug 2015 00:26

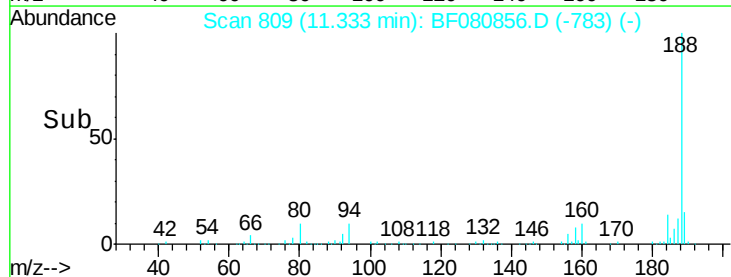
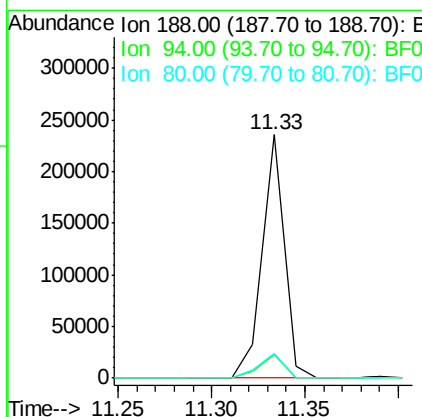
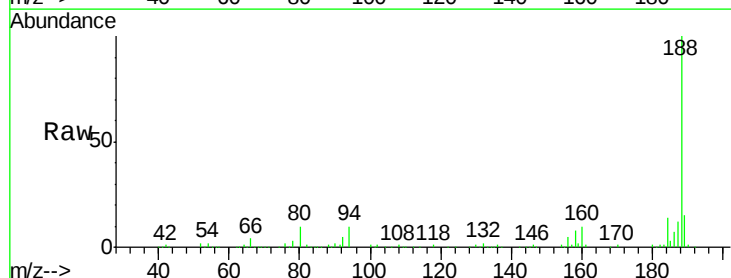
Instrument :
BNA_F
ClientSampleId :
TU021-SB-22-17

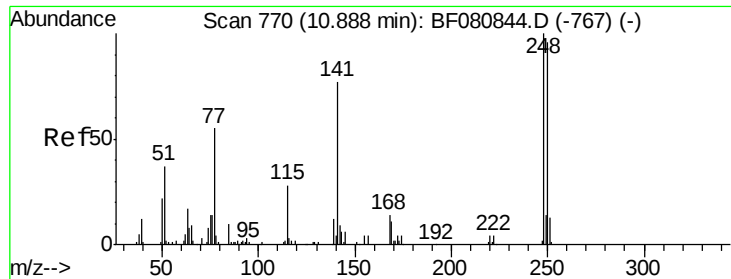
Tot Ion:204 Resp: 301
Ion Ratio Lower Upper
204 100
206 0.0 25.8 38.8#
141 106.6 61.4 92.2#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF080856.D
Acq: 5 Aug 2015 00:26

Tgt Ion:188 Resp: 193188
Ion Ratio Lower Upper
188 100
94 9.6 8.6 12.8
80 9.9 9.3 13.9





#66

4-Bromophenyl-phenylether

Concen: 2.86 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.25 min

Lab File: BF080856.D

Acq: 5 Aug 2015 00:26

Instrument :

BNA_F

ClientSampleId :

TU021-SB-22-17

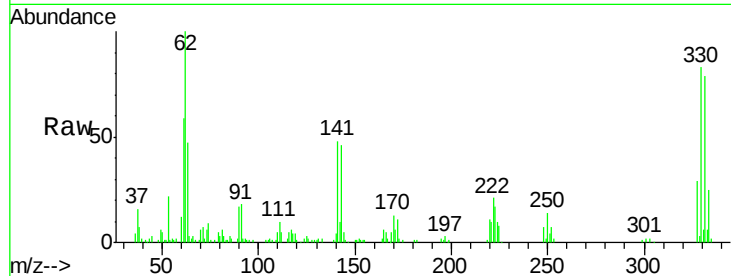
Tot Ion:248 Resp: 6110

Ion Ratio Lower Upper

248 100

250 204.9 77.2 115.8#

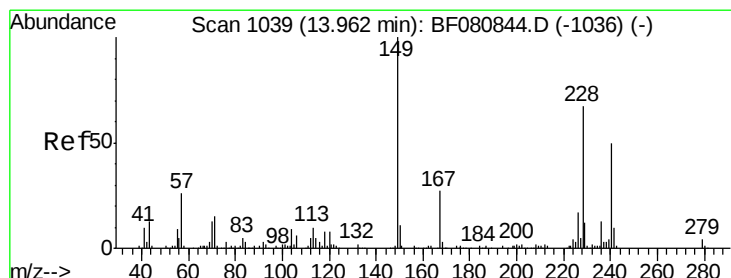
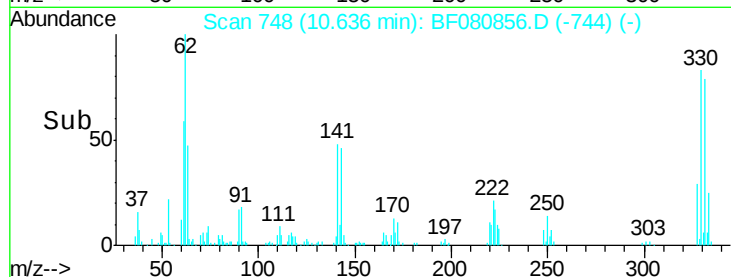
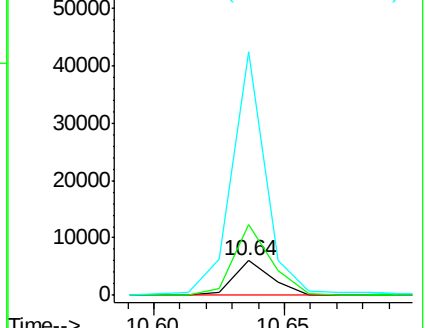
141 698.6 61.4 92.0#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF080856.D

Acq: 5 Aug 2015 00:26

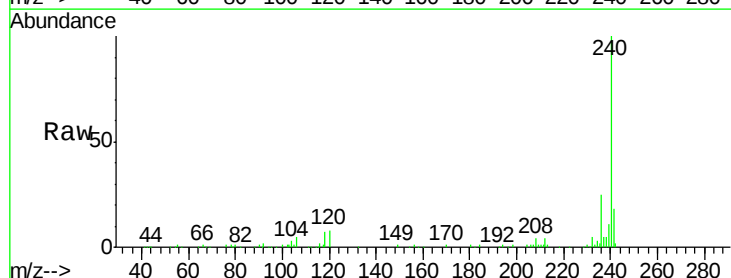
Tgt Ion:240 Resp: 119874

Ion Ratio Lower Upper

240 100

120 8.5 13.0 19.6#

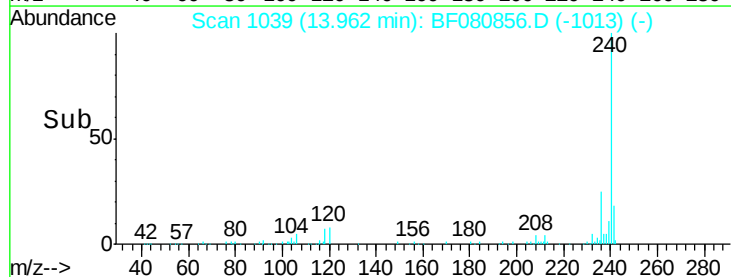
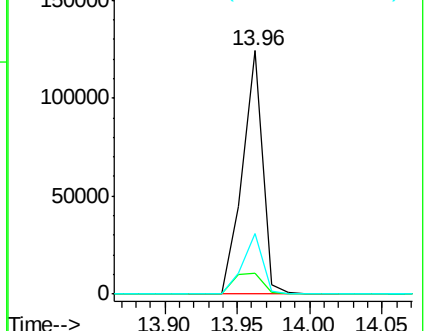
236 24.8 20.7 31.1

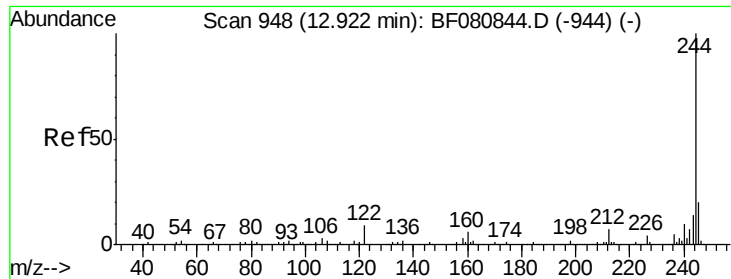


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

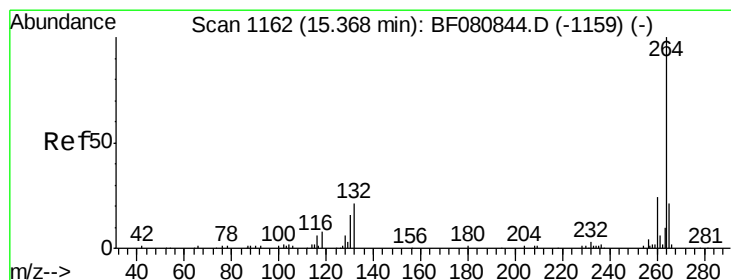
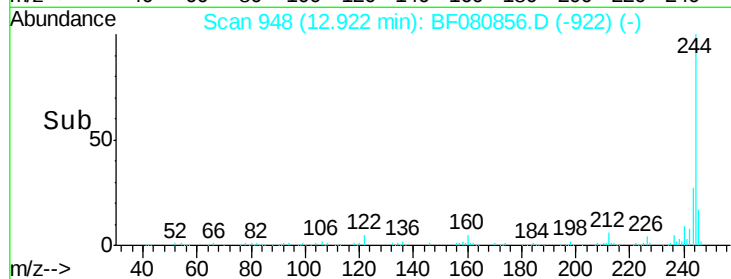
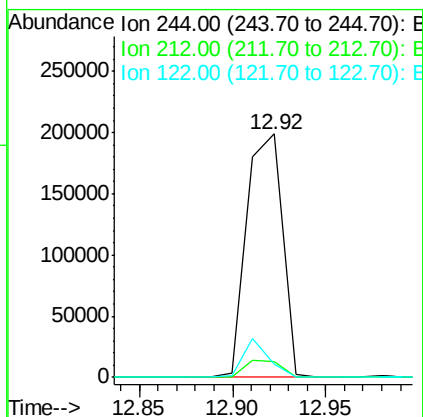
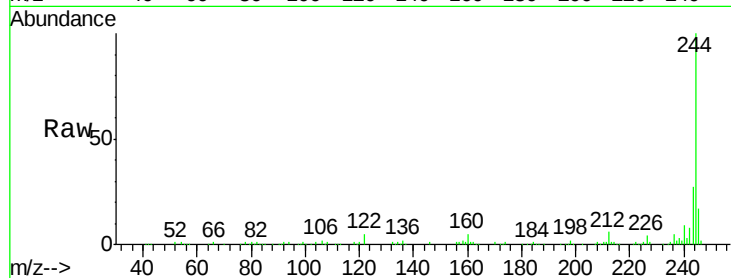




#78
 Terphenyl-d14
 Concen: 39.89 ng
 RT: 12.92 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: BF080856.D
 Acq: 5 Aug 2015 00:26

Instrument :
 BNA_F
 ClientSampleId :
 TU021-SB-22-17

Tot Ion:244 Resp: 264210
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.5 8.3
 122 5.5 7.1 10.7#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.37 min Scan# 1162
 Delta R.T. -0.00 min
 Lab File: BF080856.D
 Acq: 5 Aug 2015 00:26

Tgt Ion:264 Resp: 82976
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.9 28.3
 265 21.0 16.8 25.2

