

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111315\
 Data File : BF082933.D
 Acq On : 14 Nov 2015 9:37
 Operator : UM/IZ
 Sample : G4331-03
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LIBERTY-SF-002-02

Quant Time: Nov 16 00:17:42 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 07 02:32:49 2015
 Response via : Initial Calibration

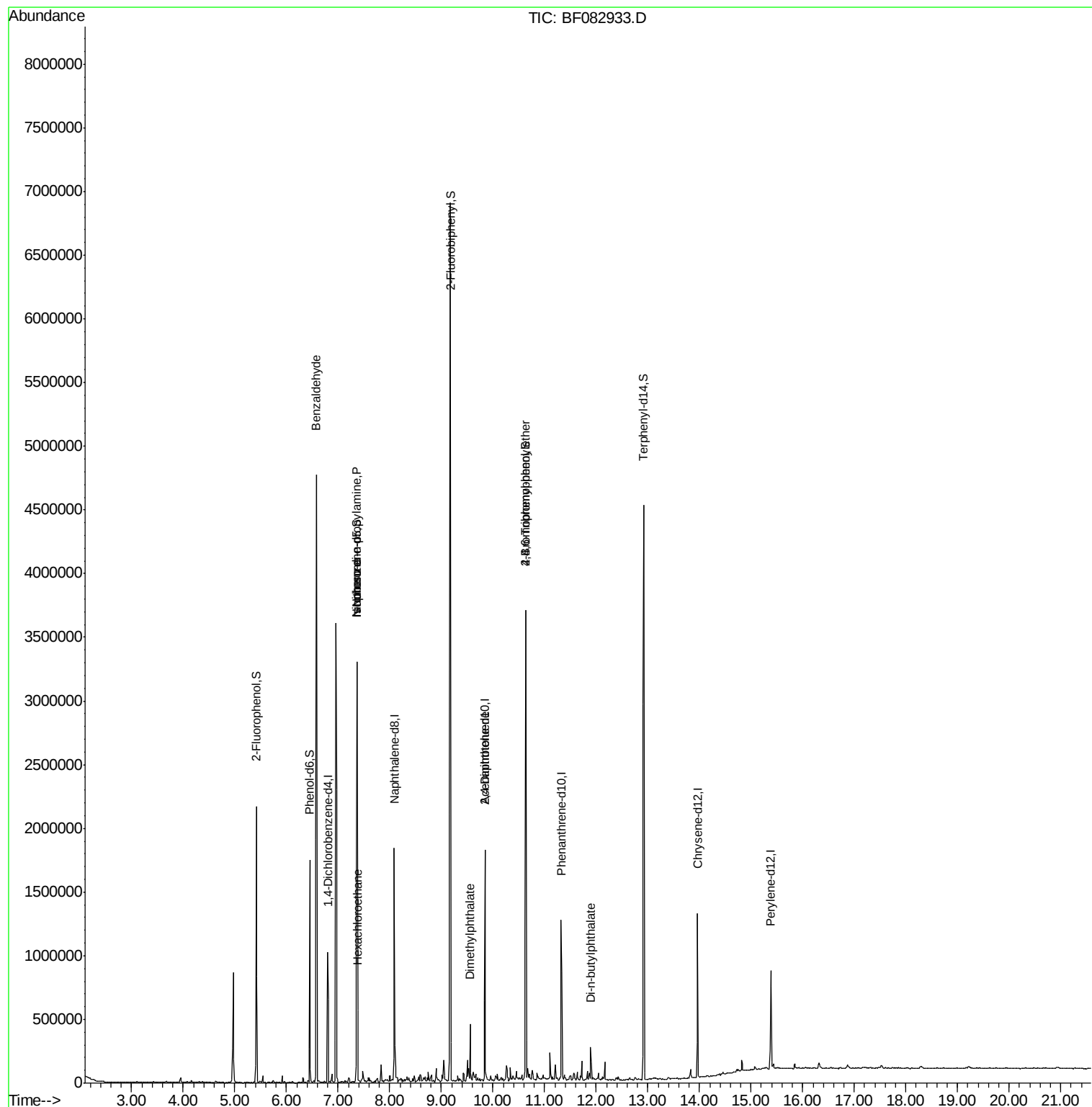
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	192747	20.00	ng	-0.06
21) Naphthalene-d8	8.09	136	709089	20.00	ng	-0.06
38) Acenaphthene-d10	9.85	164	372942	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	585978	20.00	ng	-0.06
75) Chrysene-d12	13.96	240	418402	20.00	ng	-0.06
86) Perylene-d12	15.38	264	424521	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	608417	49.11	ng	-0.03
7) Phenol-d6	6.45	99	516737	31.38	ng	-0.02
23) Nitrobenzene-d5	7.37	82	1221940	74.98	ng	-0.04
41) 2,4,6-Tribromophenol	10.64	330	379093	88.65	ng	-0.04
44) 2-Fluorobiphenyl	9.17	172	1960130	75.33	ng	-0.05
78) Terphenyl-d14	12.92	244	1729825	98.06	ng	-0.04
Target Compounds						
9) Benzaldehyde	6.58	77	34086	3.75	ng	Qvalue 89
18) Hexachloroethane	7.38	117	16048	2.78	ng	# 8
19) n-Nitroso-di-n-propylamine	7.37	70	164611	13.60	ng	# 71
25) Isophorone	7.37	82	1202419	39.88	ng	# 69
49) Dimethylphthalate	9.56	163	153620	5.03	ng	99
56) 2,4-Dinitrotoluene	9.85	165	47411	5.36	ng	# 16
66) 4-Bromophenyl-phenylether	10.64	248	27082	3.84	ng	# 1
73) Di-n-butylphthalate	11.89	149	148994	3.81	ng	99

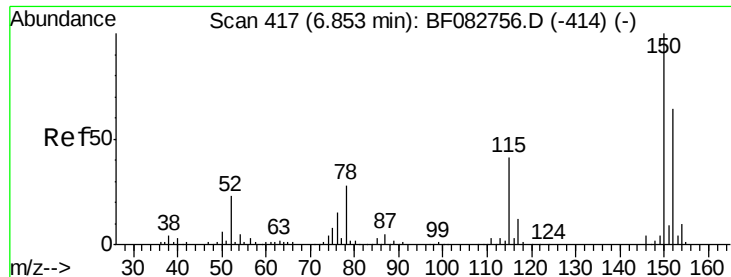
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.06 min

Lab File: BF082933.D

Acq: 14 Nov 2015 9:37

Instrument :

BNA_F

ClientSampleId :

LIBERTY-SF-002-02

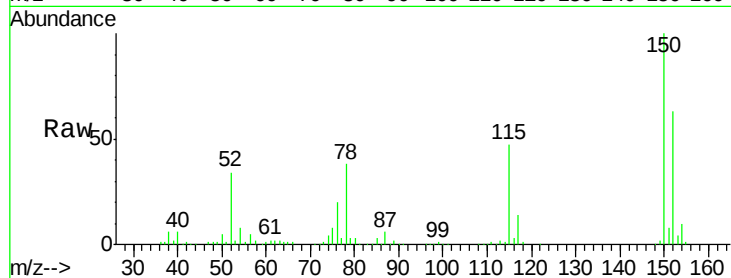
Tgt Ion:152 Resp: 192747

Ion Ratio Lower Upper

152 100

150 158.8 127.0 190.4

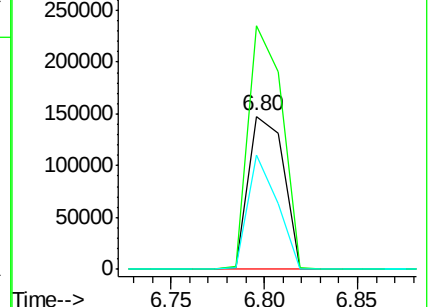
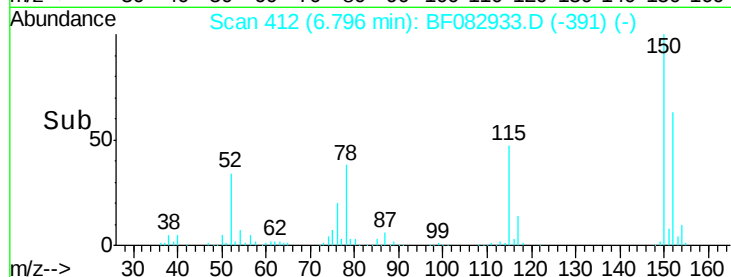
115 74.3 47.0 70.6#



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: 49.11 ng

RT: 5.41 min Scan# 291

Delta R.T. -0.03 min

Lab File: BF082933.D

Acq: 14 Nov 2015 9:37

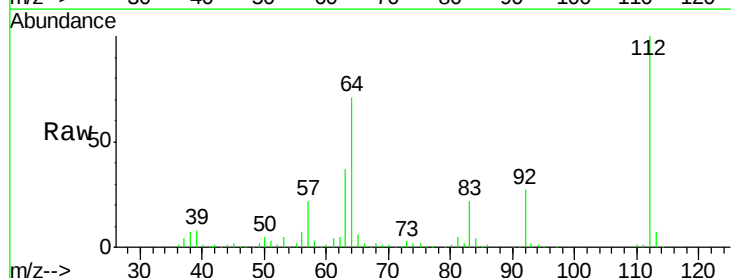
Tgt Ion:112 Resp: 608417

Ion Ratio Lower Upper

112 100

64 70.8 48.9 73.3

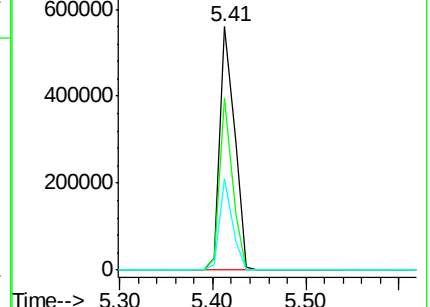
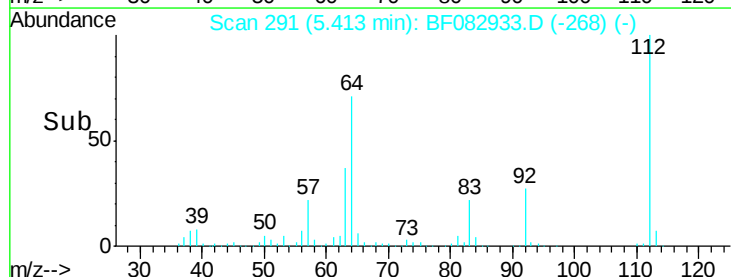
63 37.3 28.1 42.1

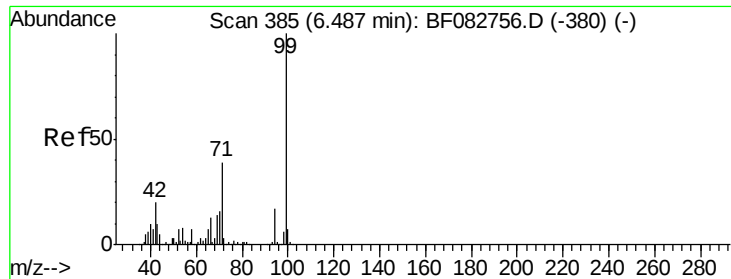


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 31.38 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.02 min

Lab File: BF082933.D

Acq: 14 Nov 2015 9:37

Instrument :

BNA_F

ClientSampleId :

LIBERTY-SF-002-02

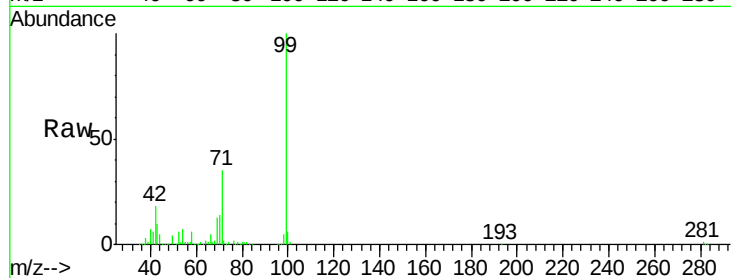
Tgt Ion: 99 Resp: 516737

Ion Ratio Lower Upper

99 100

42 18.4 19.2 28.8#

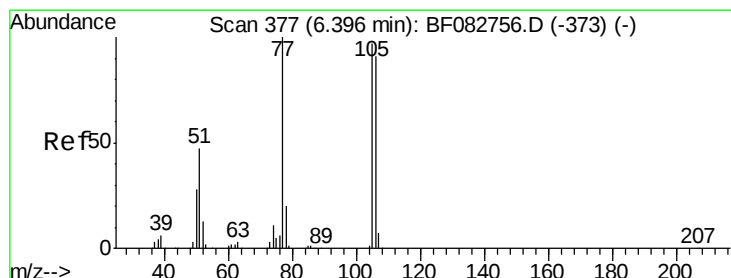
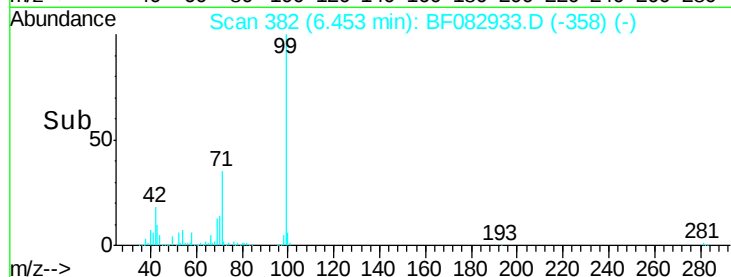
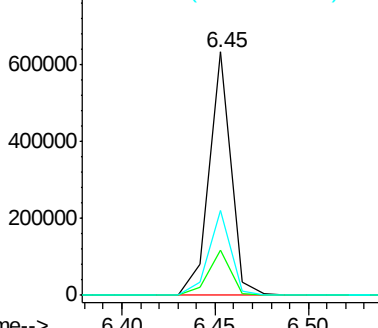
71 34.9 35.0 52.4#



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: 3.75 ng

RT: 6.58 min Scan# 393

Delta R.T. 0.18 min

Lab File: BF082933.D

Acq: 14 Nov 2015 9:37

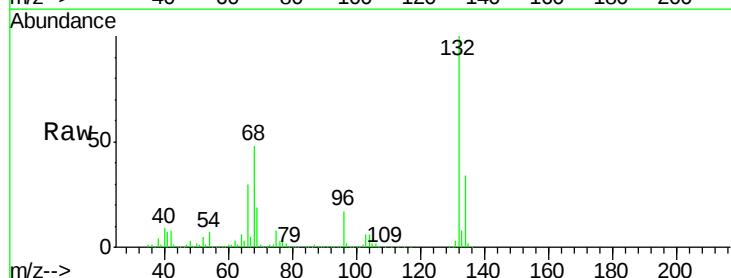
Tgt Ion: 77 Resp: 34086

Ion Ratio Lower Upper

77 100

105 77.7 63.5 103.5

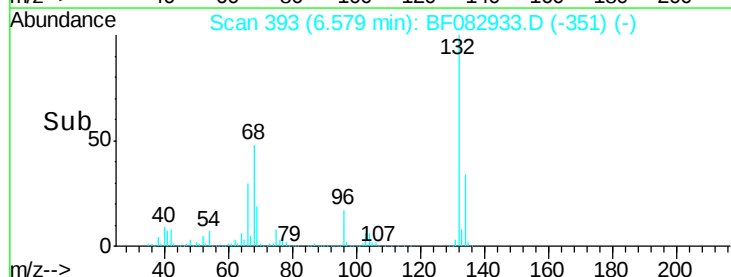
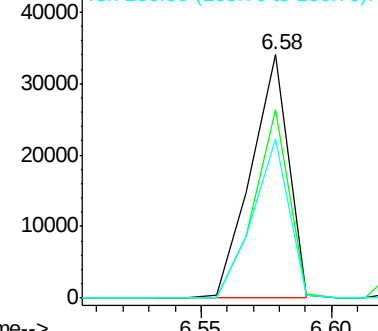
106 65.3 59.3 99.3

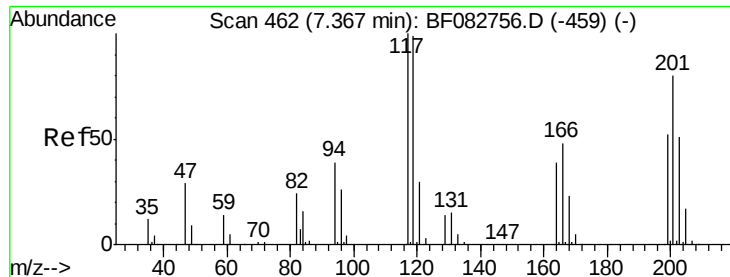


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

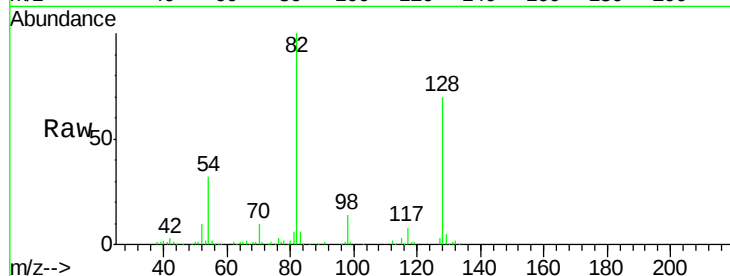




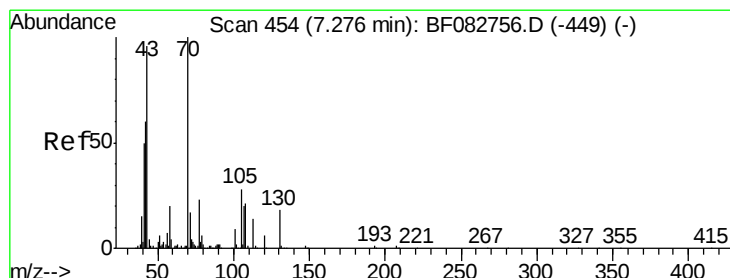
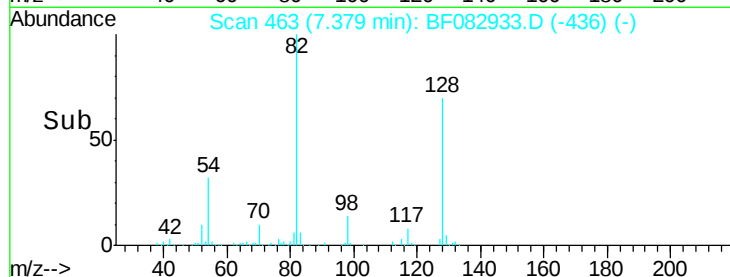
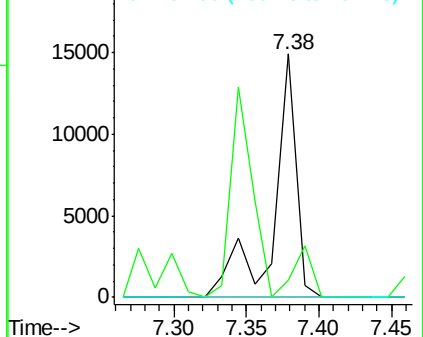
#18
Hexachloroethane
Concen: 2.78 ng
RT: 7.38 min Scan# 463
Delta R.T. 0.01 min
Lab File: BF082933.D
Acq: 14 Nov 2015 9:37

Instrument :
BNA_F
ClientSampleId :
LIBERTY-SF-002-02

Tgt Ion:117 Resp: 16048
Ion Ratio Lower Upper
117 100
119 7.0 77.7 116.5#
201 0.0 66.7 100.1#

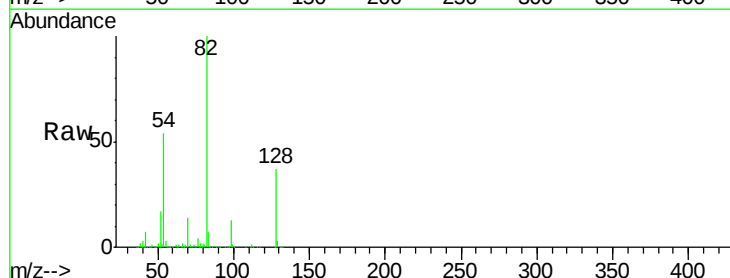


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

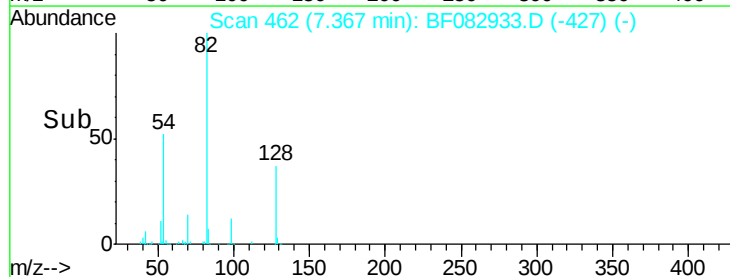
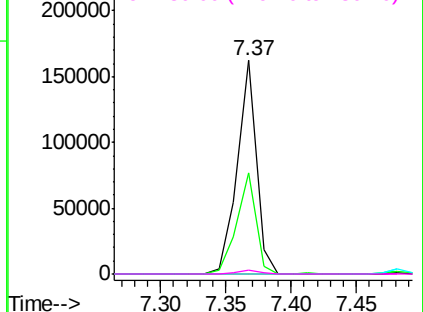


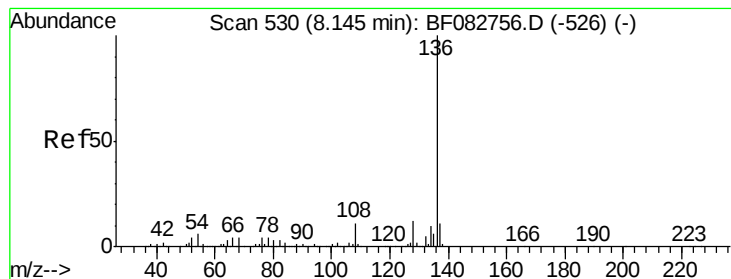
#19
n-Nitroso-di-n-propylamine
Concen: 13.60 ng
RT: 7.37 min Scan# 462
Delta R.T. 0.10 min
Lab File: BF082933.D
Acq: 14 Nov 2015 9:37

Tgt Ion: 70 Resp: 164611
Ion Ratio Lower Upper
70 100
42 47.6 57.7 86.5#
101 0.0 7.0 10.6#
130 1.8 11.8 17.6#



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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.06 min

Lab File: BF082933.D

Acq: 14 Nov 2015 9:37

Instrument :

BNA_F

ClientSampleId :

LIBERTY-SF-002-02

Tgt Ion: 136 Resp: 709089

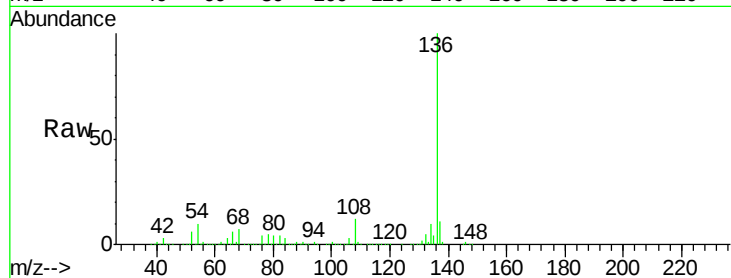
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 10.0 9.1 13.7

68 7.0 4.8 7.2

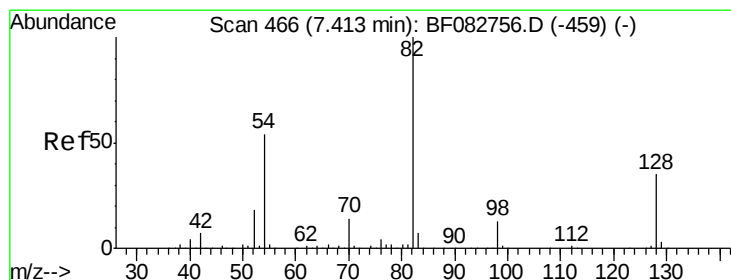
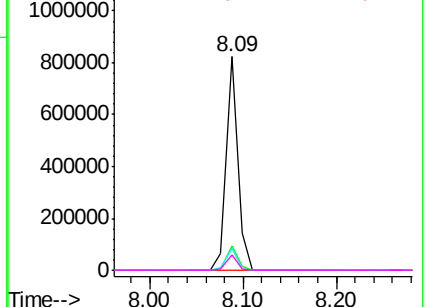
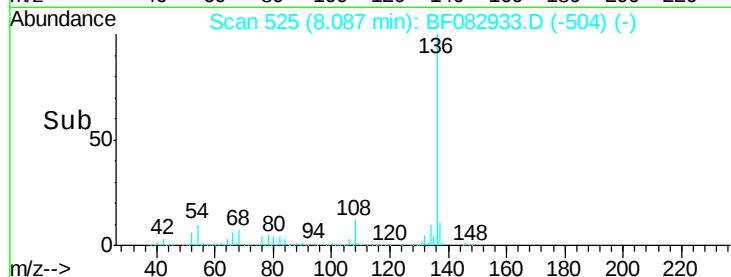


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.98 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.04 min

Lab File: BF082933.D

Acq: 14 Nov 2015 9:37

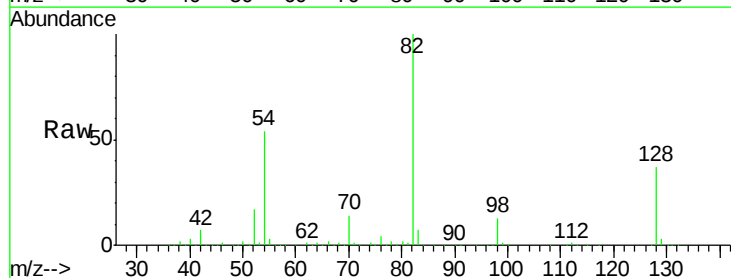
Tgt Ion: 82 Resp: 1221940

Ion Ratio Lower Upper

82 100

128 37.4 26.8 40.2

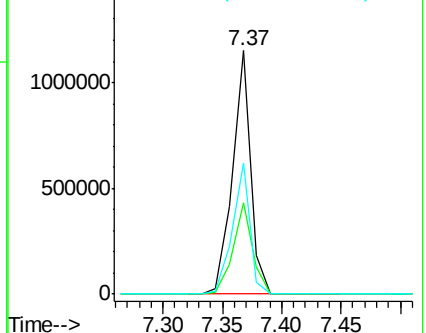
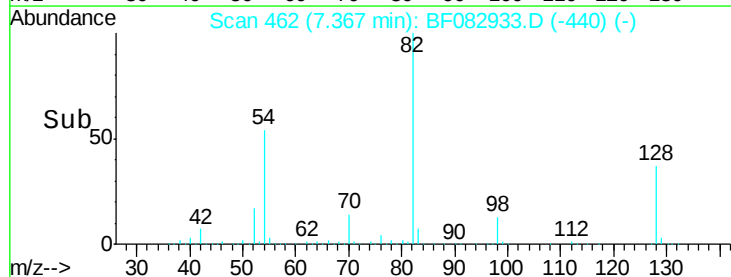
54 53.9 45.7 68.5

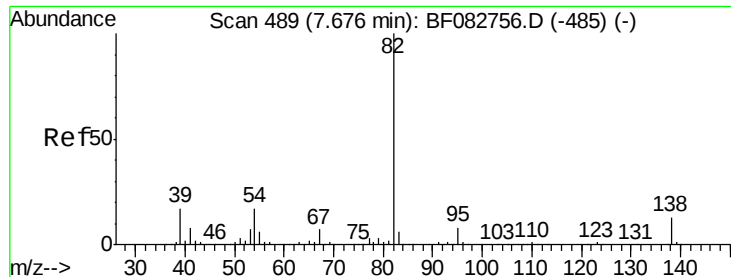


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

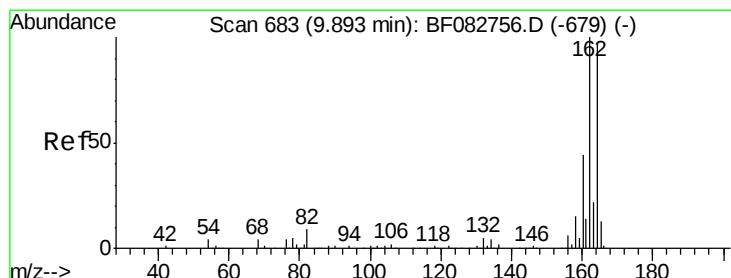
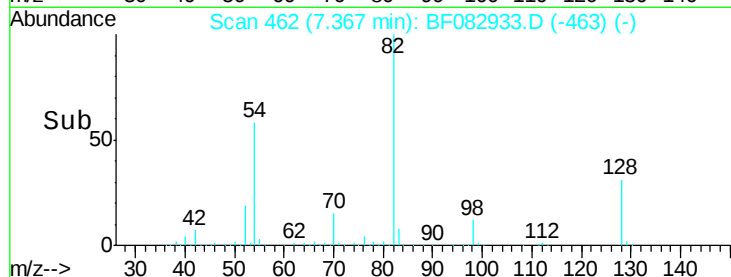
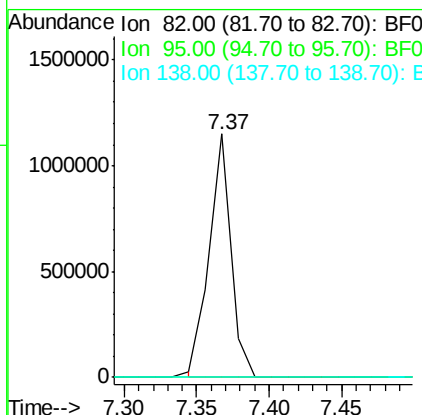
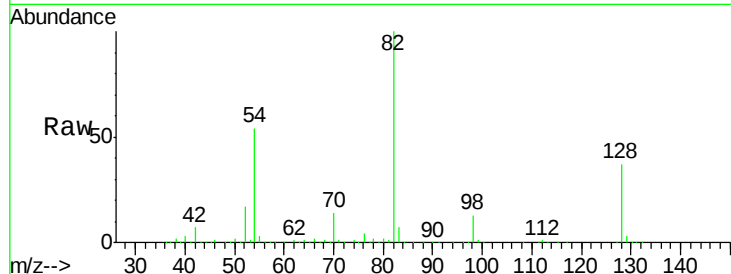




#25
Isophorone
Concen: 39.88 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.31 min
Lab File: BF082933.D
Acq: 14 Nov 2015 9:37

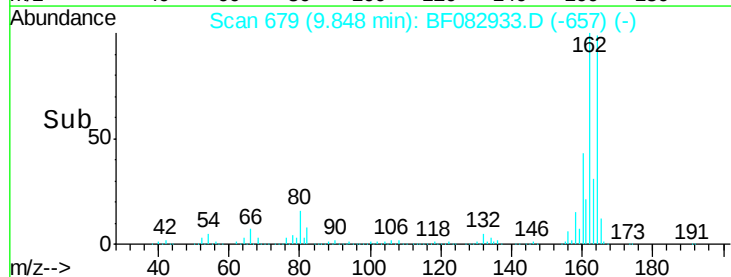
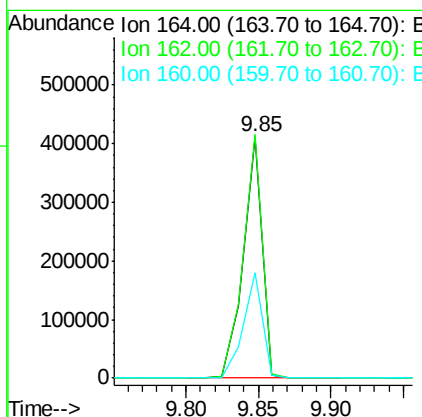
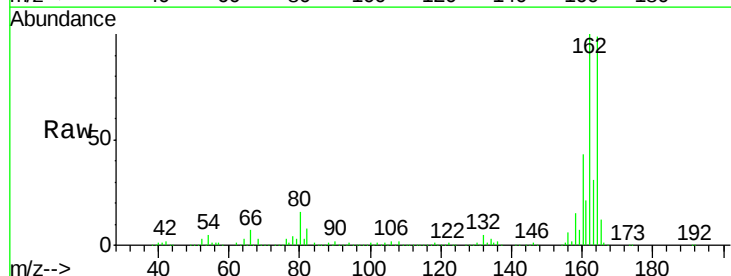
Instrument :
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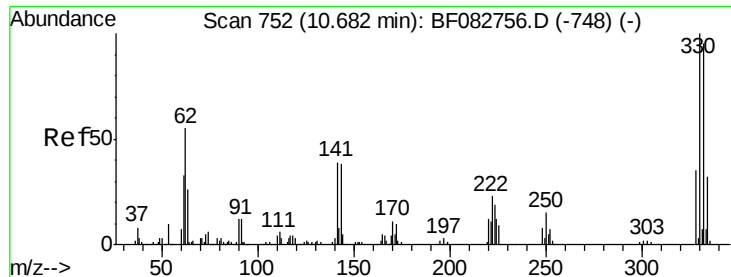
Tgt Ion: 82 Resp: 1202419
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 11.4 17.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.05 min
Lab File: BF082933.D
Acq: 14 Nov 2015 9:37

Tgt Ion: 164 Resp: 372942
Ion Ratio Lower Upper
164 100
162 100.8 84.9 127.3
160 43.8 37.5 56.3

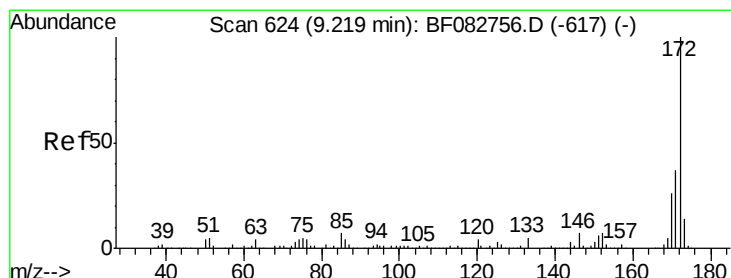
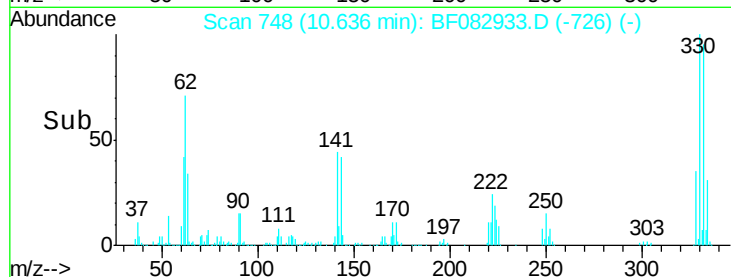
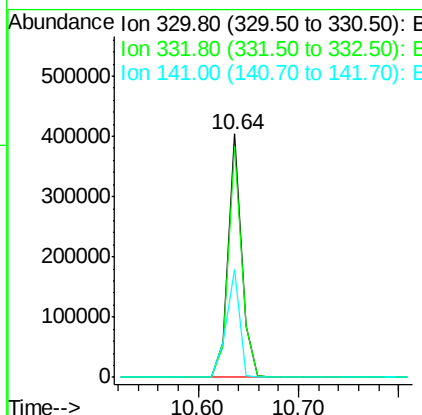
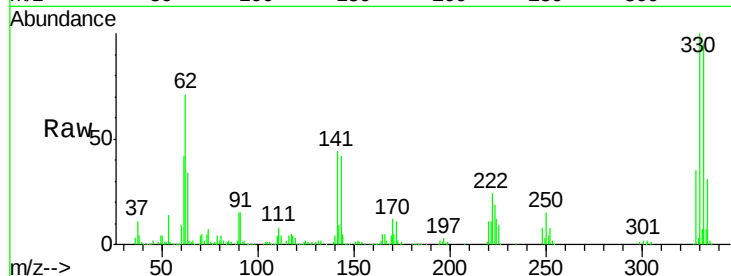




#41
 2,4,6-Tribromophenol
 Concen: 88.65 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.04 min
 Lab File: BF082933.D
 Acq: 14 Nov 2015 9:37

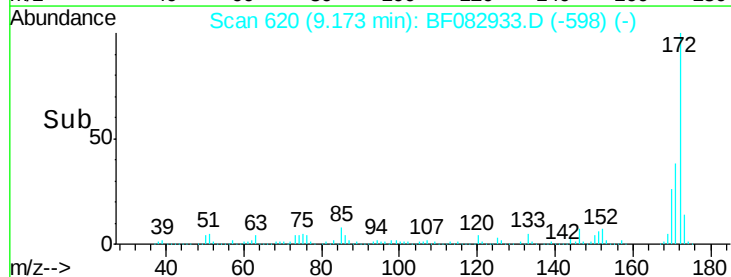
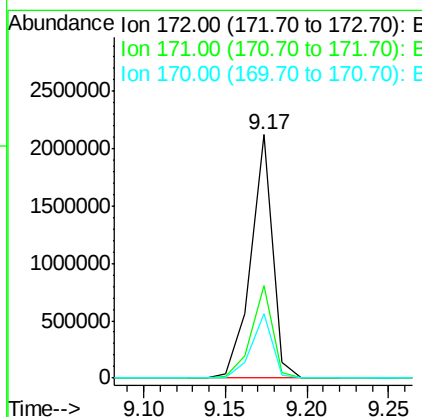
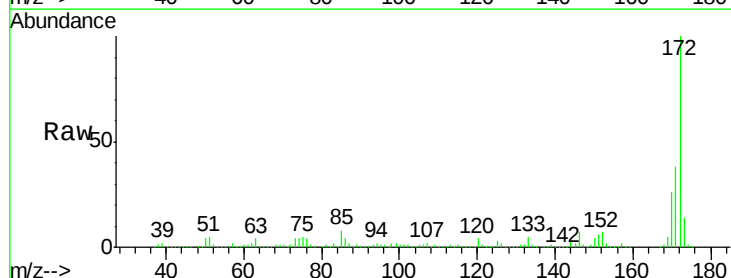
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 BNA_F
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 LIBERTY-SF-002-02

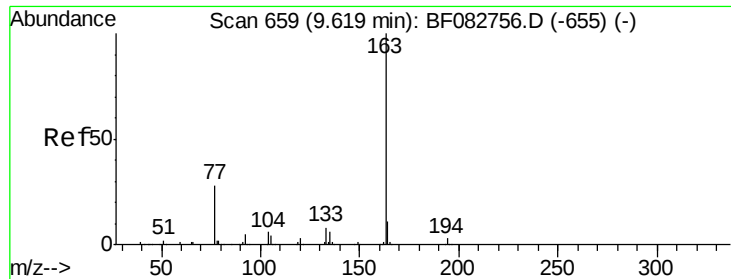
Tgt Ion:330 Resp: 379093
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.6 114.8
 141 44.8 41.2 61.8



#44
 2-Fluorobiphenyl
 Concen: 75.33 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF082933.D
 Acq: 14 Nov 2015 9:37

Tgt Ion:172 Resp: 1960130
 Ion Ratio Lower Upper
 172 100
 171 38.3 30.8 46.2
 170 26.3 21.2 31.8

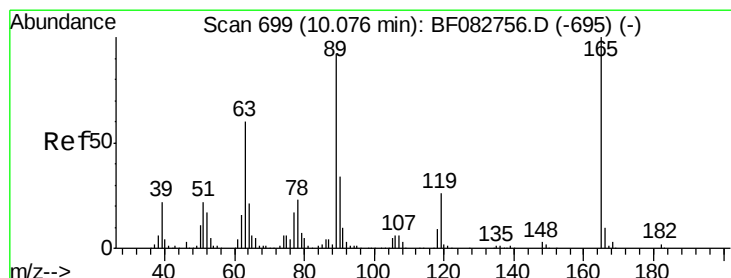
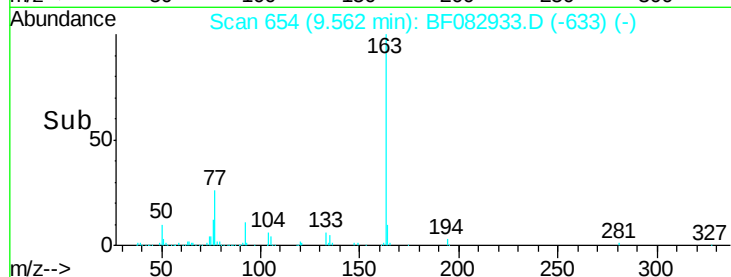
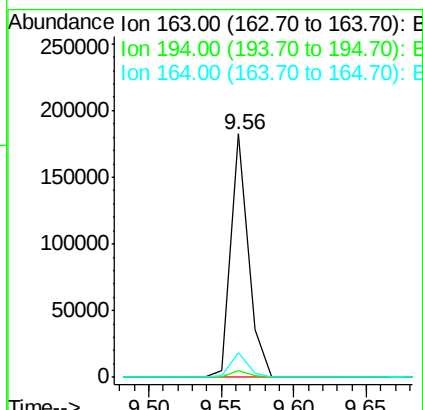
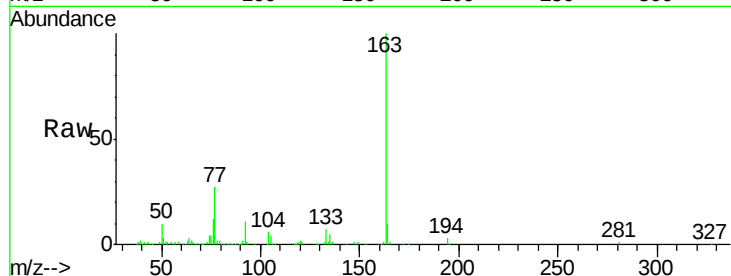




#49
Dimethylphthalate
Concen: 5.03 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF082933.D
Acq: 14 Nov 2015 9:37

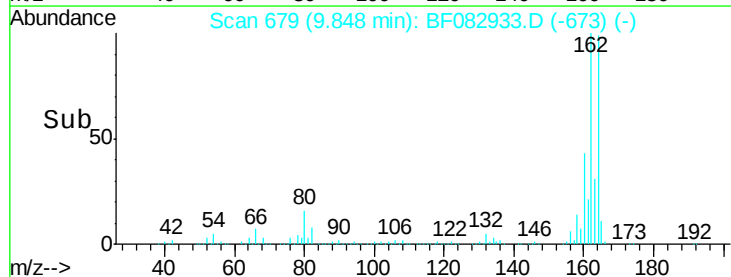
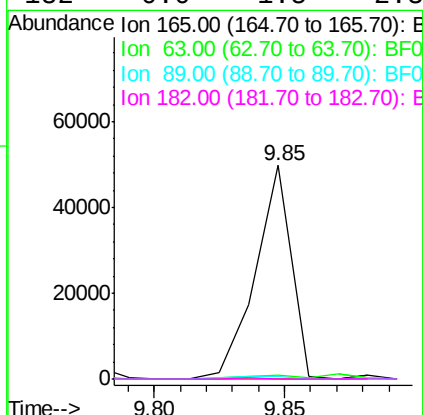
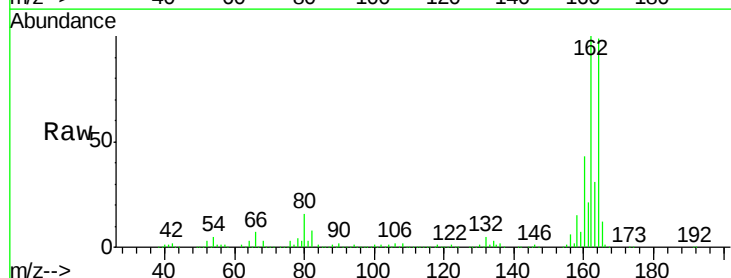
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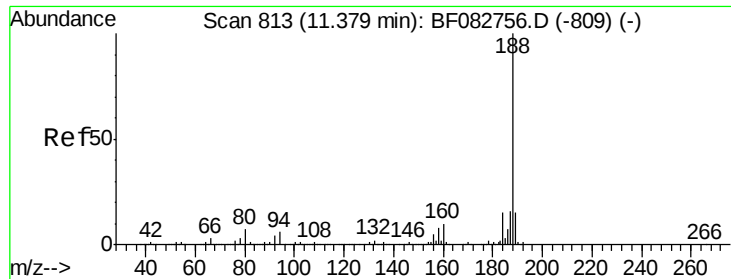
Tgt Ion:163 Resp: 153620
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.3 8.7 13.1



#56
2,4-Dinitrotoluene
Concen: 5.36 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.23 min
Lab File: BF082933.D
Acq: 14 Nov 2015 9:37

Tgt Ion:165 Resp: 47411
Ion Ratio Lower Upper
165 100
63 2.0 43.4 65.0#
89 1.5 70.6 106.0#
182 0.0 1.5 2.3#

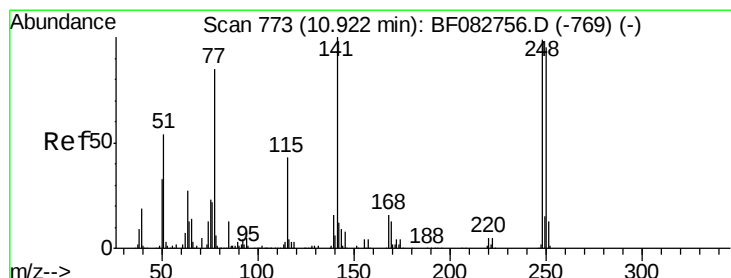
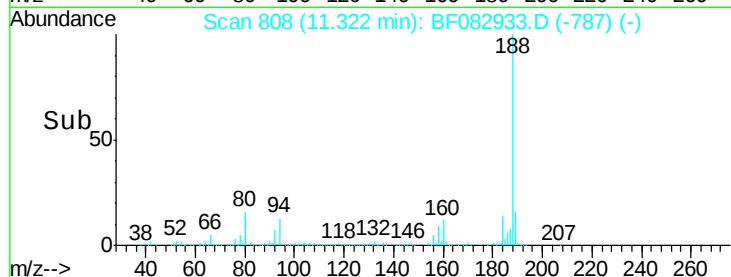
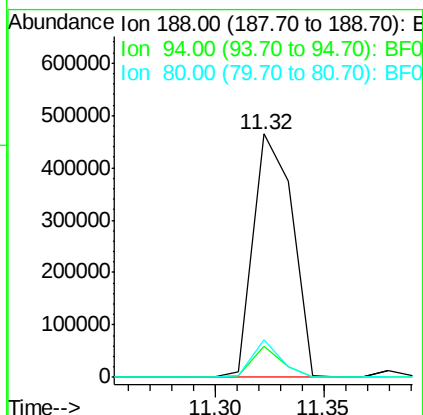
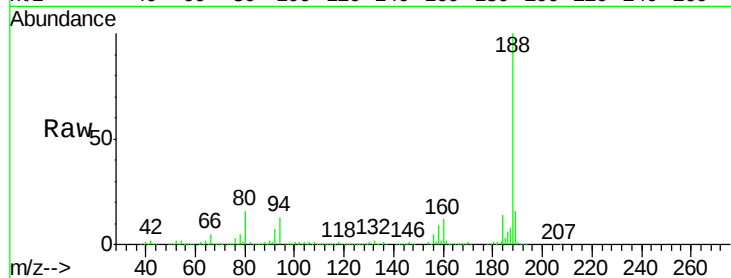




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.06 min
Lab File: BF082933.D
Acq: 14 Nov 2015 9:37

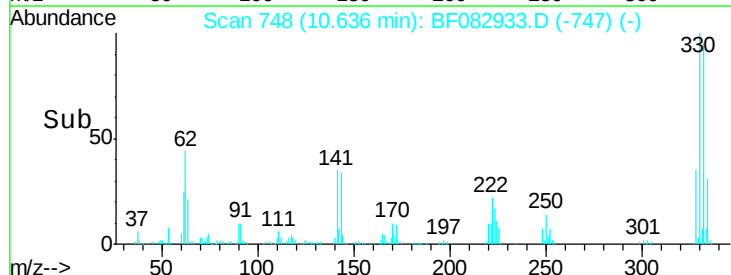
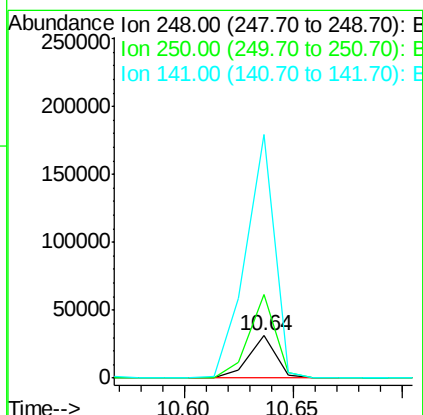
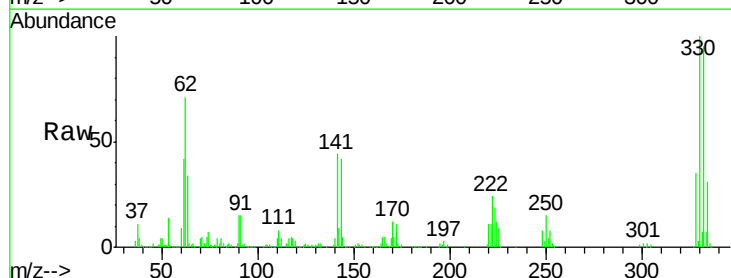
Instrument :
BNA_F
ClientSampleId :
LIBERTY-SF-002-02

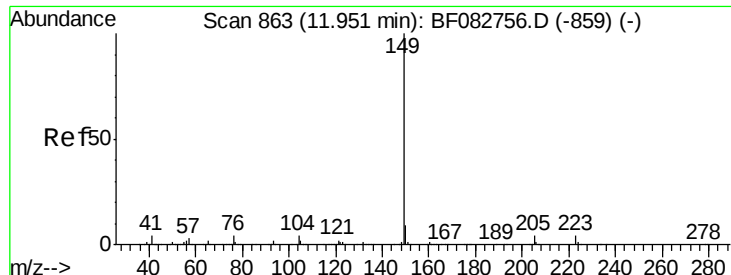
Tgt Ion:188 Resp: 585978
Ion Ratio Lower Upper
188 100
94 13.0 6.1 9.1#
80 15.5 7.0 10.6#



#66
4-Bromophenyl-phenylether
Concen: 3.84 ng
RT: 10.64 min Scan# 748
Delta R.T. -0.29 min
Lab File: BF082933.D
Acq: 14 Nov 2015 9:37

Tgt Ion:248 Resp: 27082
Ion Ratio Lower Upper
248 100
250 197.8 79.4 119.2#
141 577.6 36.3 54.5#





#73

Di-n-butylphthalate

Concen: 3.81 ng

RT: 11.89 min Scan# 858

Delta R.T. -0.06 min

Lab File: BF082933.D

Acq: 14 Nov 2015 9:37

Instrument :

BNA_F

ClientSampleId :

LIBERTY-SF-002-02

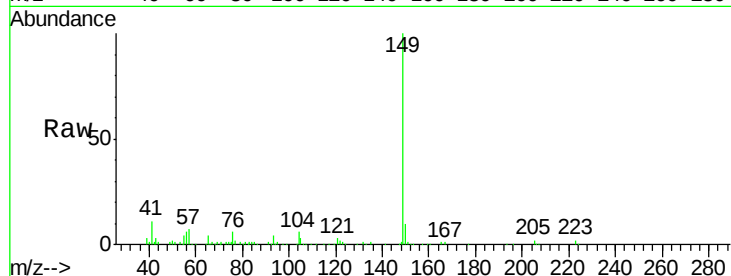
Tgt Ion:149 Resp: 148994

Ion Ratio Lower Upper

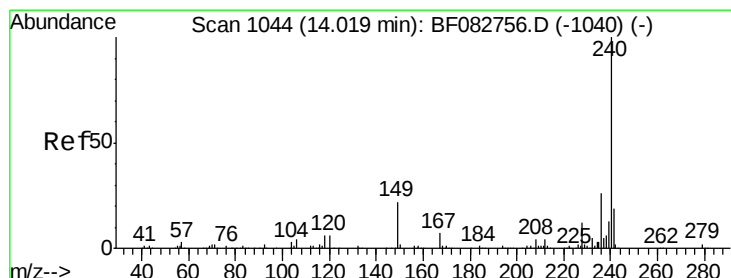
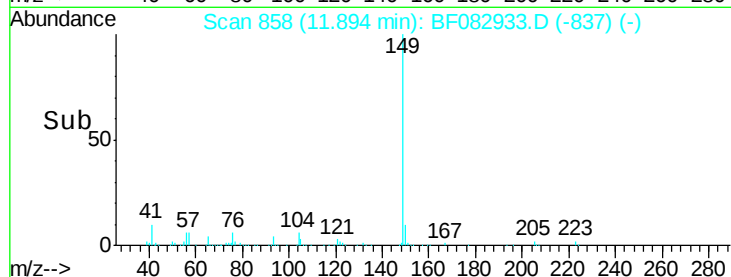
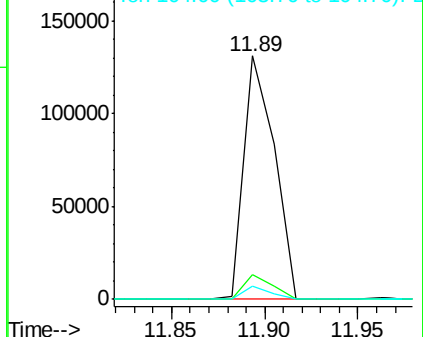
149 100

150 9.9 8.1 12.1

104 5.7 5.2 7.8



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: 13.96 min Scan# 1039

Delta R.T. -0.06 min

Lab File: BF082933.D

Acq: 14 Nov 2015 9:37

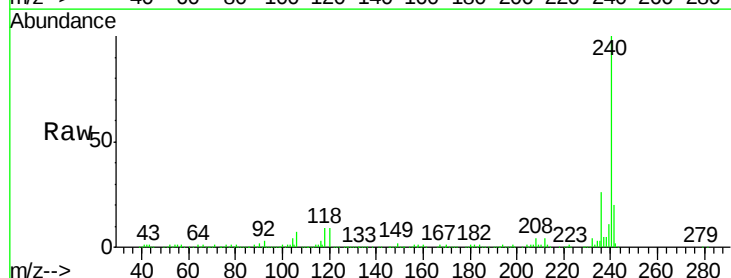
Tgt Ion:240 Resp: 418402

Ion Ratio Lower Upper

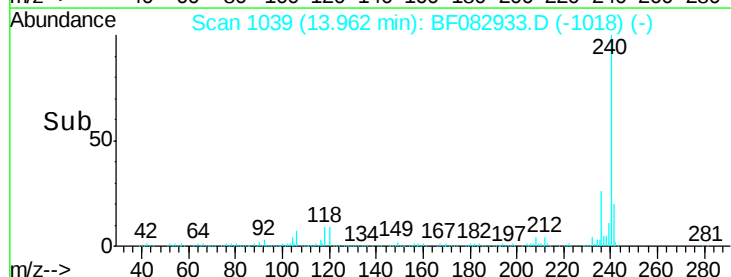
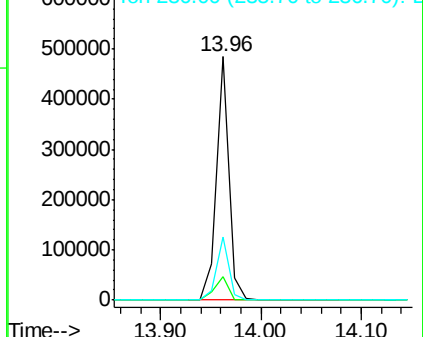
240 100

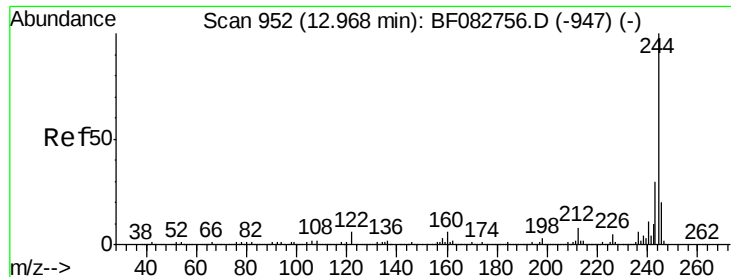
120 9.5 10.9 16.3#

236 25.7 21.6 32.4



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: 98.06 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.04 min

Lab File: BF082933.D

Acq: 14 Nov 2015 9:37

Instrument :

BNA_F

ClientSampleId :

LIBERTY-SF-002-02

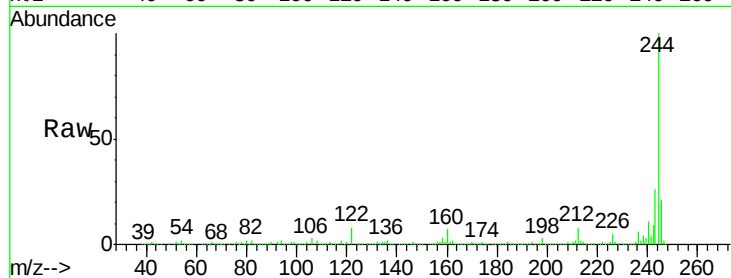
Tgt Ion:244 Resp: 1729825

Ion Ratio Lower Upper

244 100

212 7.8 7.6 11.4

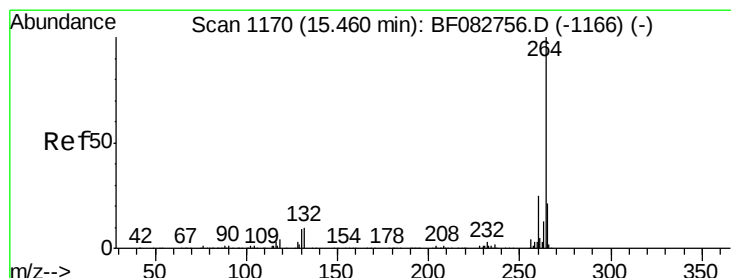
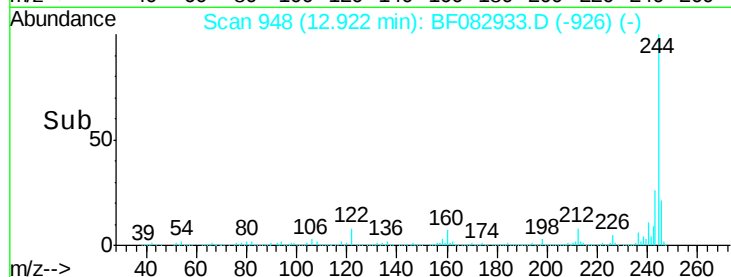
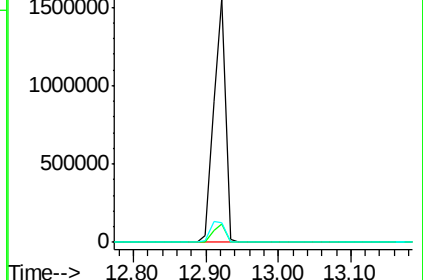
122 8.3 11.3 16.9#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.38 min Scan# 1163

Delta R.T. -0.08 min

Lab File: BF082933.D

Acq: 14 Nov 2015 9:37

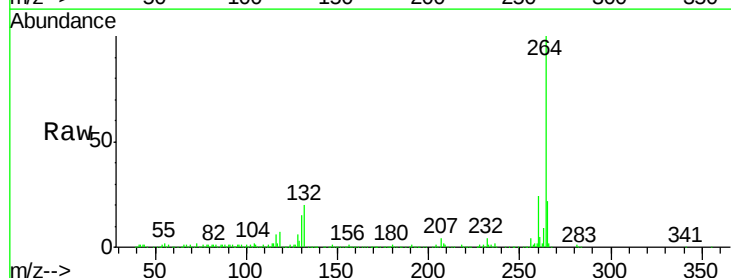
Tgt Ion:264 Resp: 424521

Ion Ratio Lower Upper

264 100

260 24.0 19.8 29.6

265 22.0 17.4 26.0



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

