

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 01:00:51 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

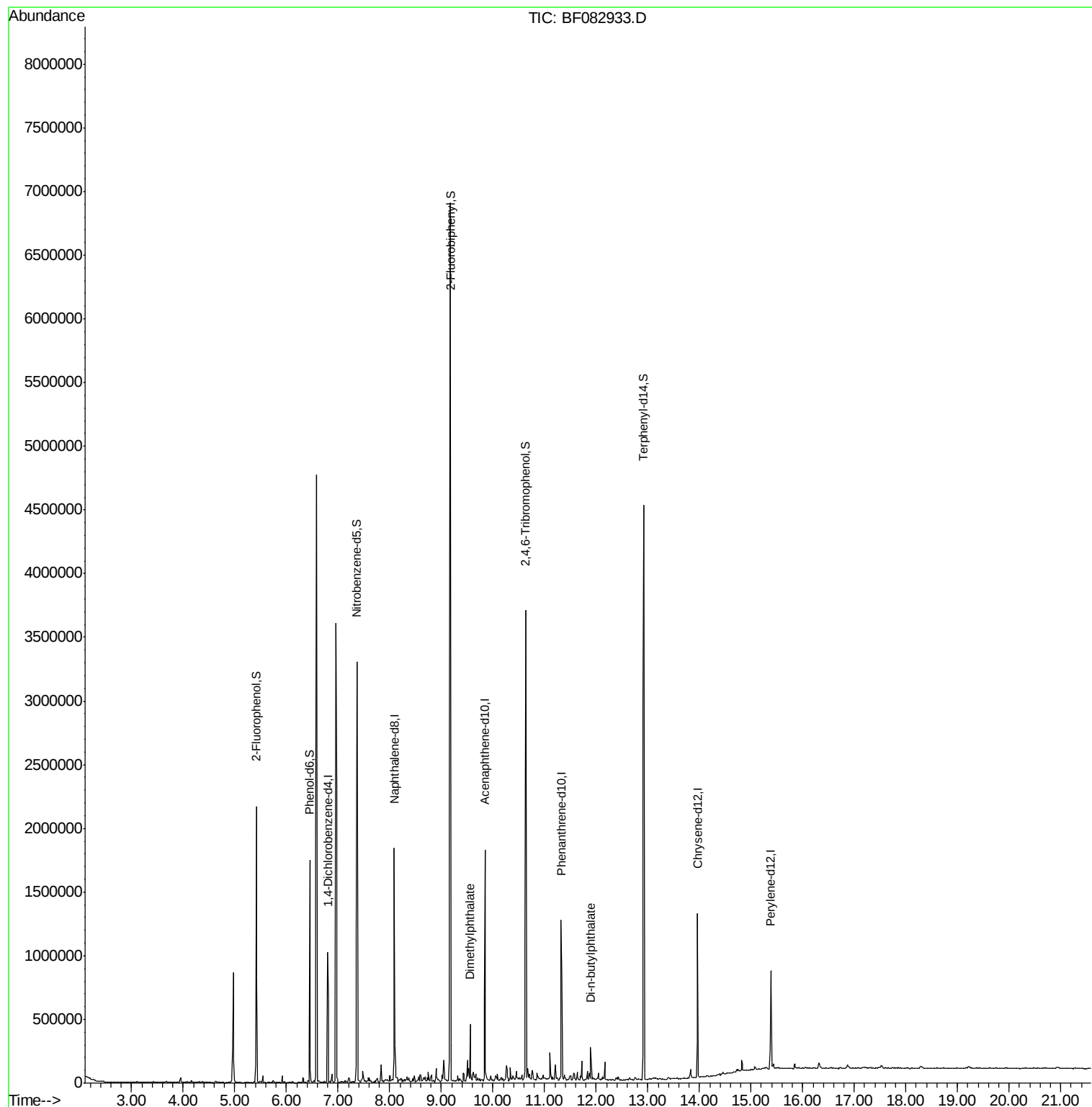
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	192747	20.00	ng	-0.06
21) Naphthalene-d8	8.09	136	709089	20.00	ng	-0.06
38) Acenaphthene-d10	9.85	164	372942	20.00	ng	-0.05
63) Phenanthrene-d10	11.32	188	585978	20.00	ng	-0.06
75) Chrysene-d12	13.96	240	418402	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						Qvalue
49) Dimethylphthalate	9.56	163	153620	5.03	ng	99
73) Di-n-butylphthalate	11.89	149	148994	3.81	ng	99

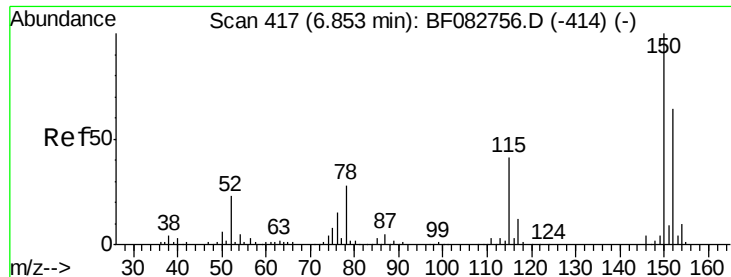
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Nov 07 02:32:49 2015
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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

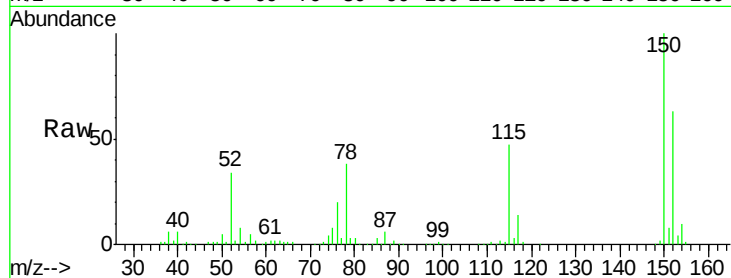
Tgt Ion:152 Resp: 192747

Ion Ratio Lower Upper

152 100

150 158.8 127.0 190.4

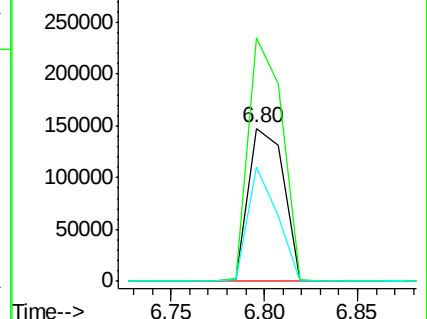
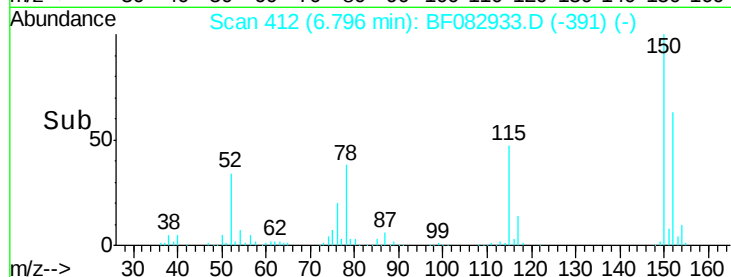
115 74.3 47.0 70.6#



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

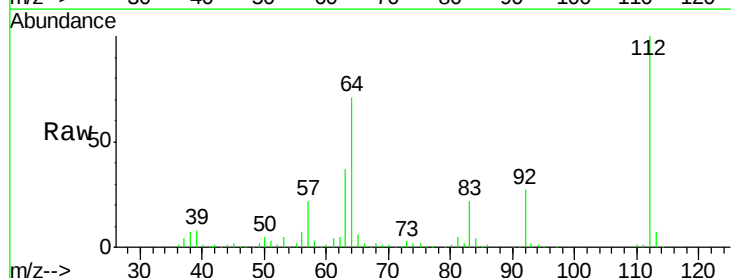
Tgt Ion:112 Resp: 608417

Ion Ratio Lower Upper

112 100

64 70.8 48.9 73.3

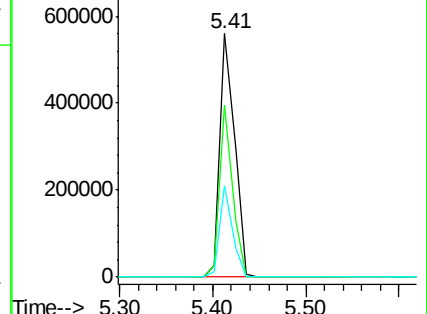
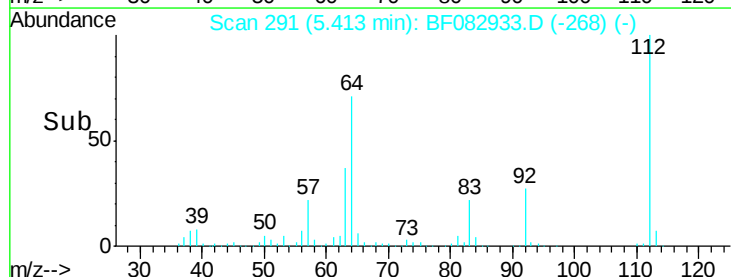
63 37.3 28.1 42.1

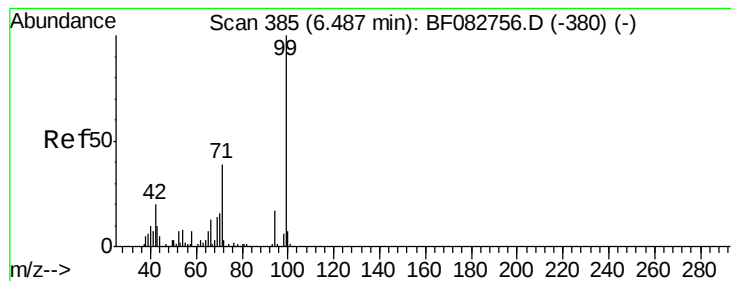


Abundance Ion 112.00 (111.70 to 112.70): E

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

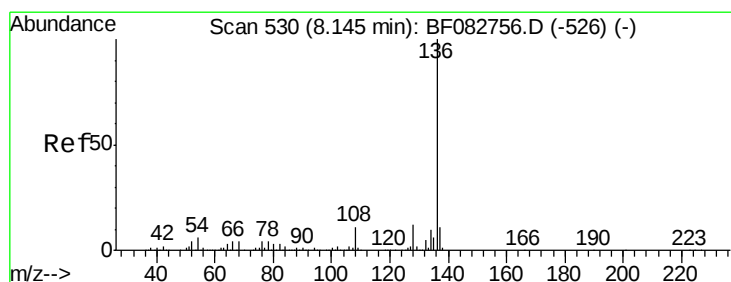
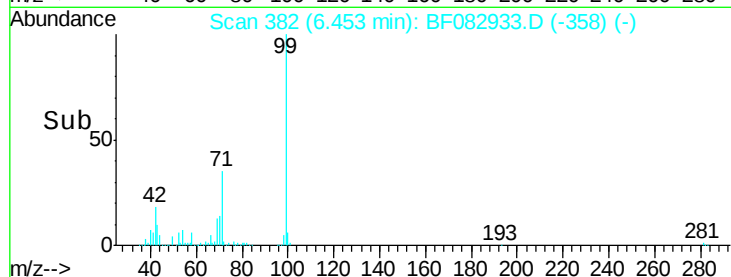
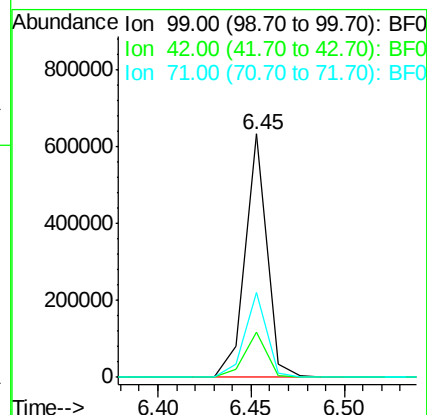
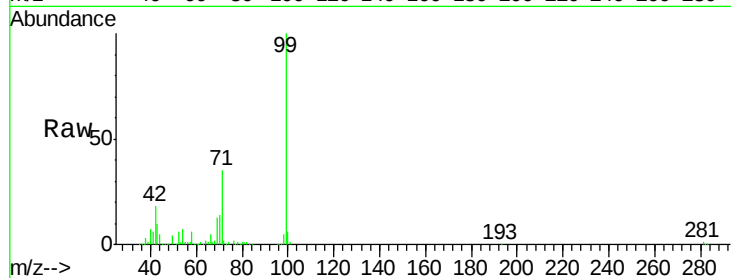
Tgt Ion: 99 Resp: 516737

Ion Ratio Lower Upper

99 100

42 18.4 19.2 28.8#

71 34.9 35.0 52.4#



#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

Tgt Ion: 136 Resp: 709089

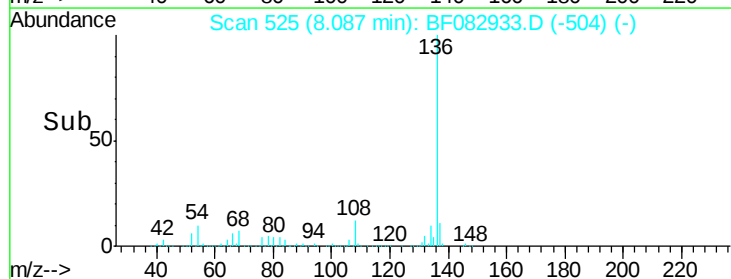
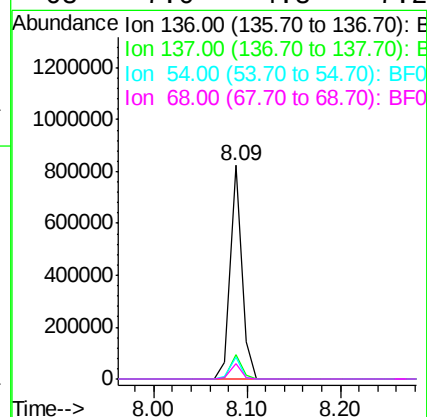
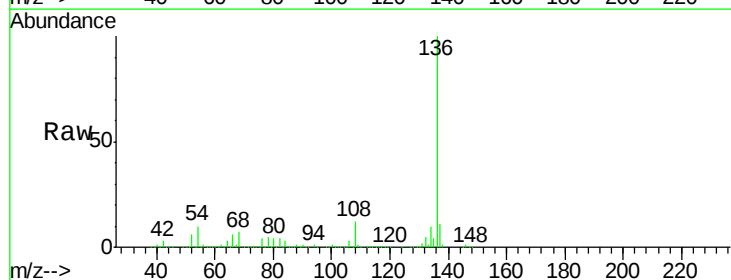
Ion Ratio Lower Upper

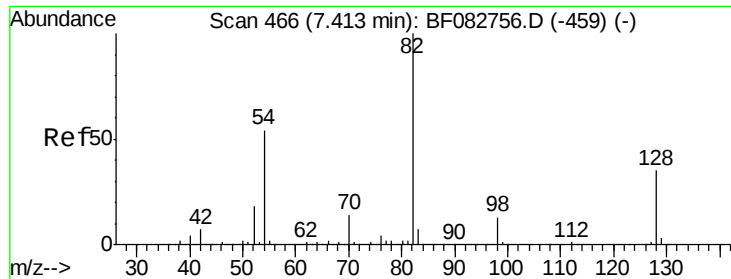
136 100

137 11.4 9.1 13.7

54 10.0 9.1 13.7

68 7.0 4.8 7.2

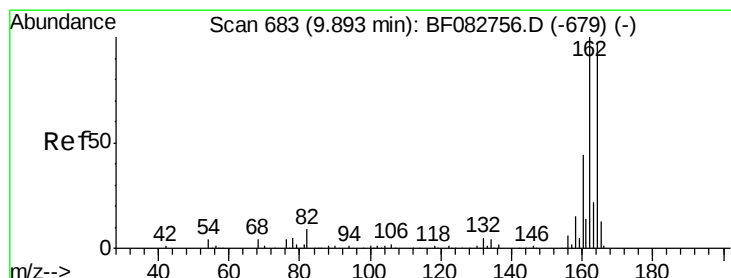
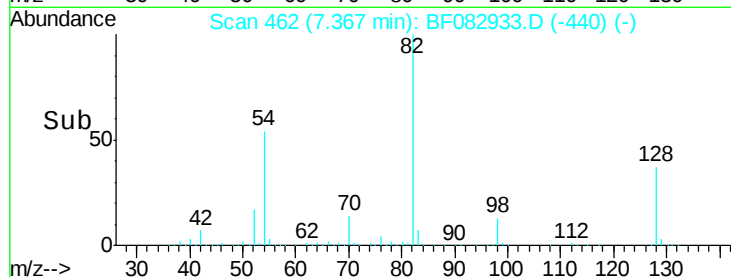
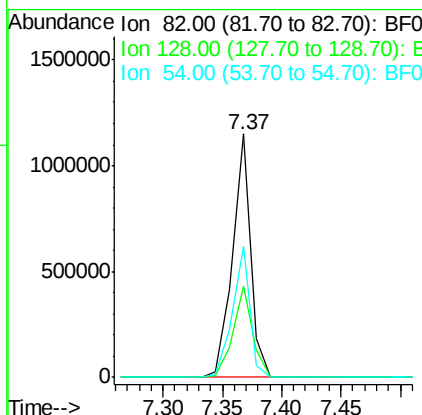
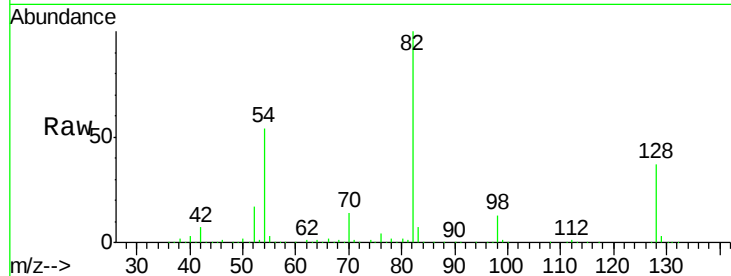




#23
Nitrobenzene-d5
Concen: 74.98 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.04 min
Lab File: BF082933.D
Acq: 14 Nov 2015 9:37

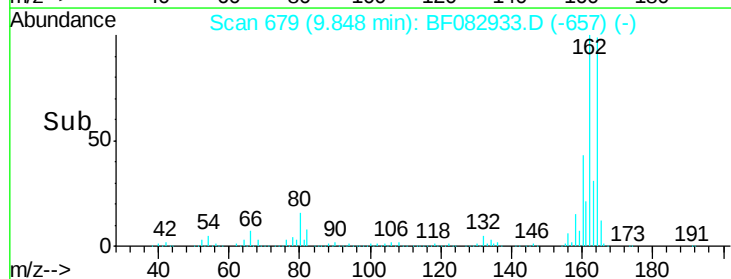
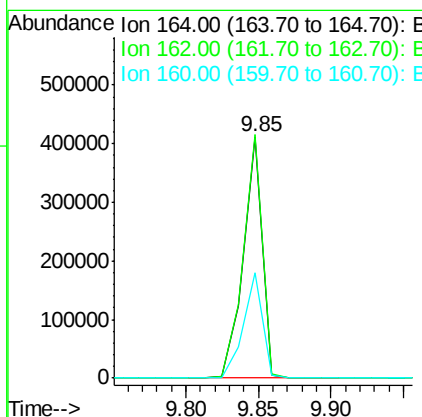
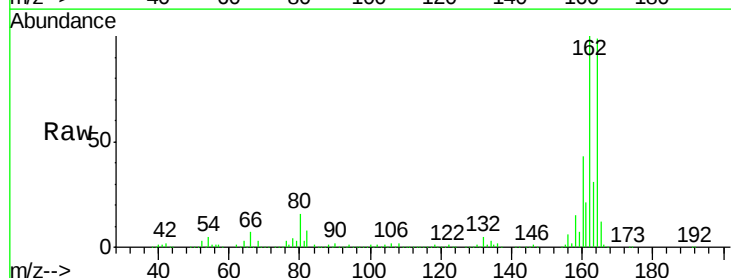
Instrument :
BNA_F
ClientSampleId :
LIBERTY-SF-002-02

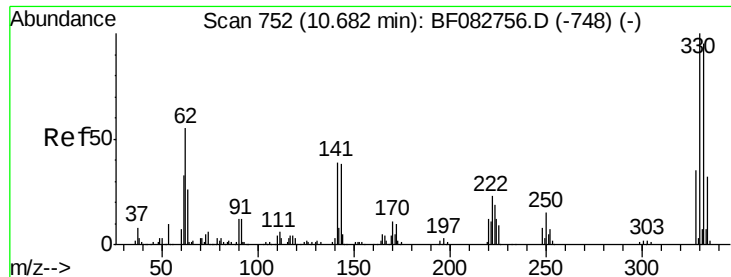
Tgt Ion: 82 Resp: 1221940
Ion Ratio Lower Upper
82 100
128 37.4 26.8 40.2
54 53.9 45.7 68.5



#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

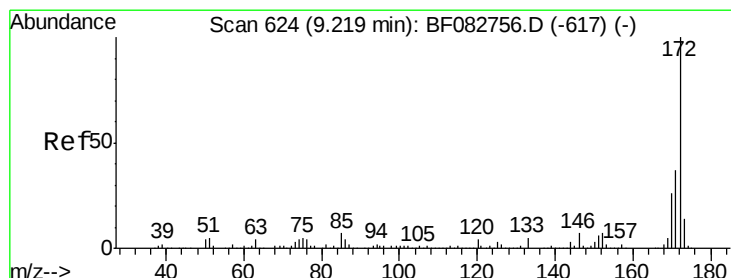
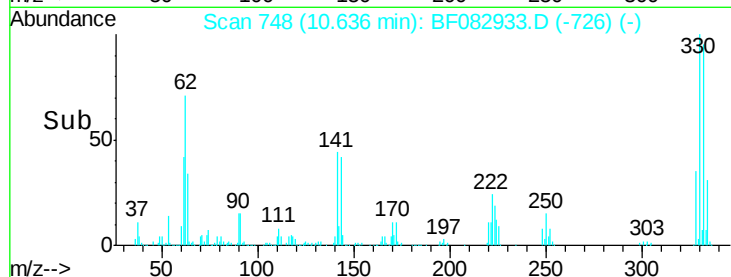
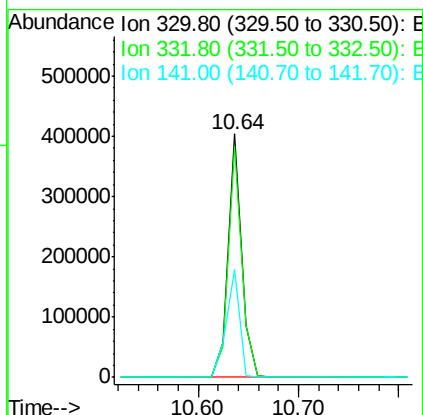
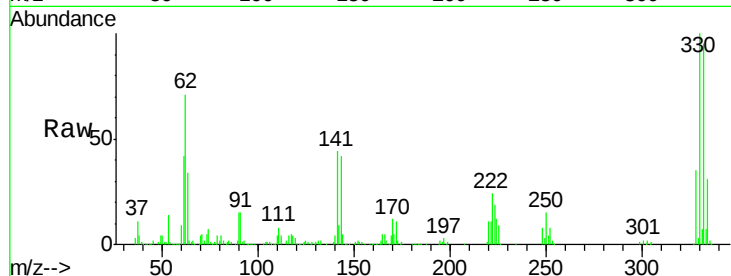




#41
 2,4,6-Tribromophenol
 Concen: 88.65 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.04 min
 Lab File: BF082933.D
 Acq: 14 Nov 2015 9:37

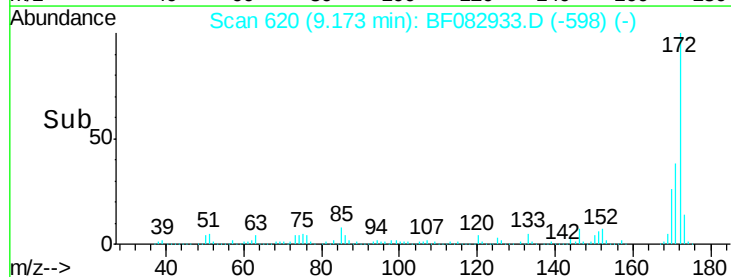
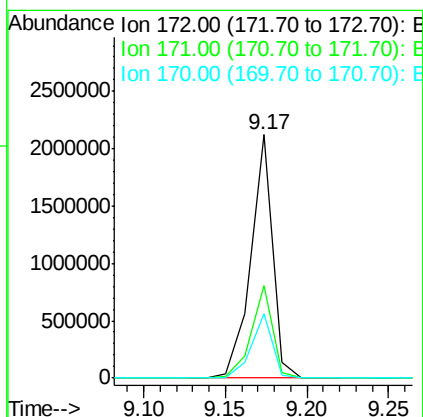
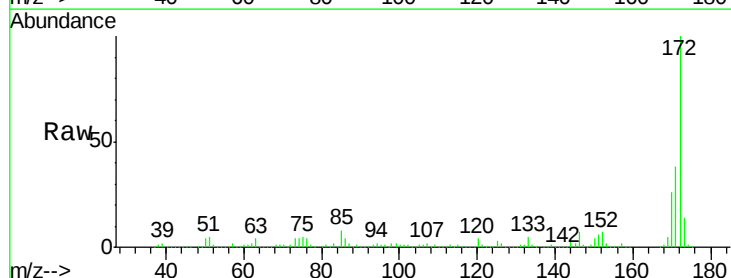
Instrument :
 BNA_F
 ClientSampleId :
 LIBERTY-SF-002-02

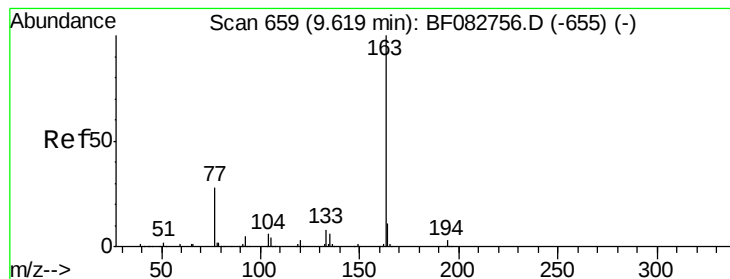
Tgt Ion:330 Resp: 379093
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.6 114.8
 141 44.8 41.2 61.8



#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

Instrument :

BNA_F

ClientSampleId :

LIBERTY-SF-002-02

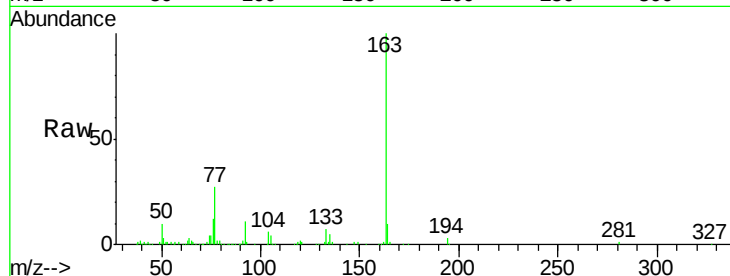
Tgt Ion:163 Resp: 153620

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

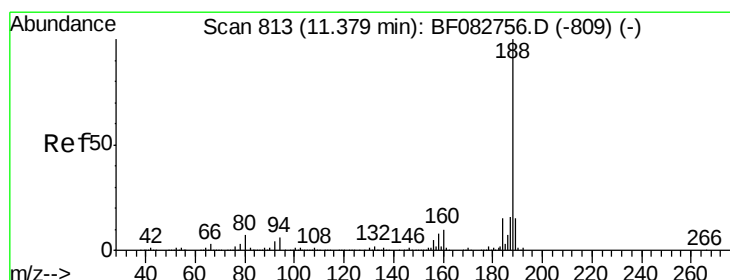
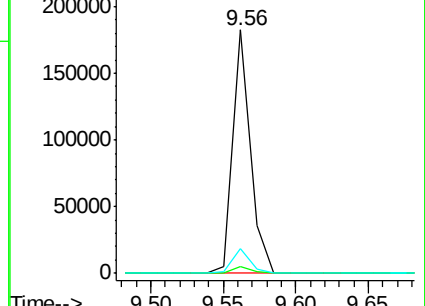
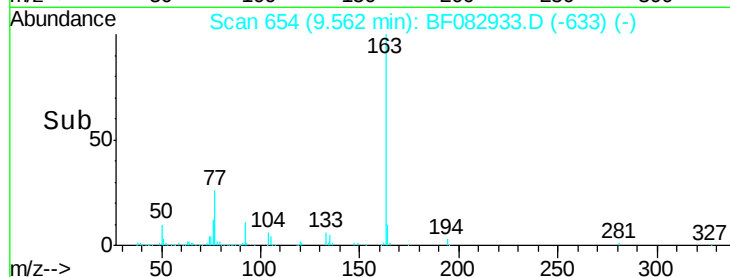
164 10.3 8.7 13.1



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



#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

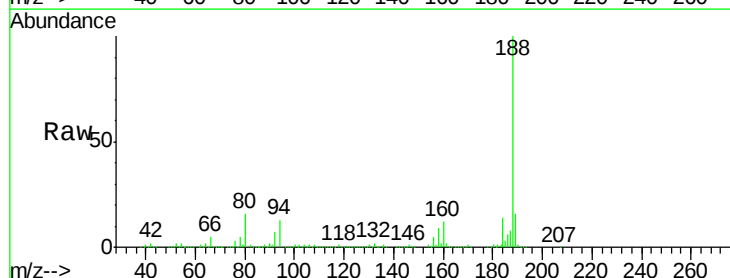
Tgt Ion:188 Resp: 585978

Ion Ratio Lower Upper

188 100

94 13.0 6.1 9.1#

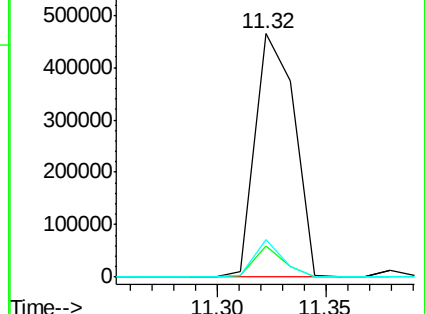
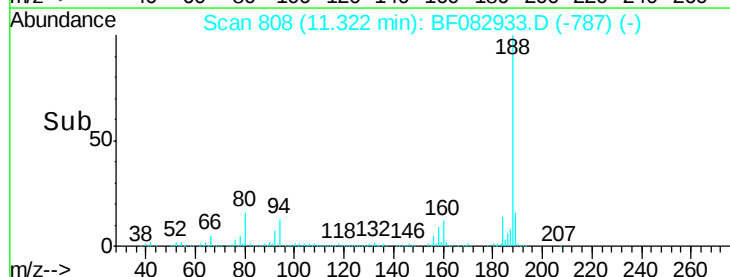
80 15.5 7.0 10.6#

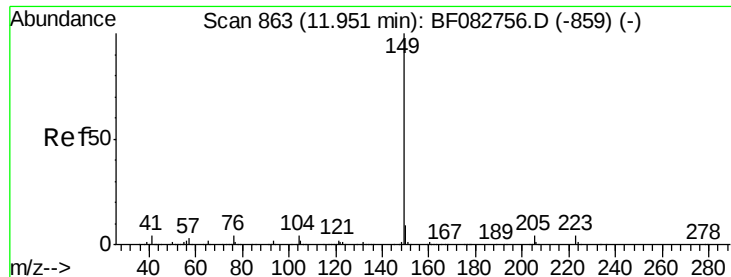


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#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

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LIBERTY-SF-002-02

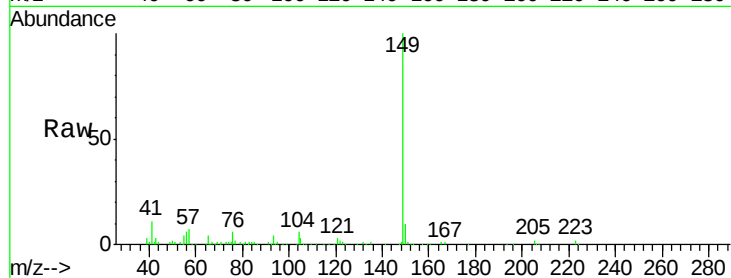
Tgt Ion:149 Resp: 148994

Ion Ratio Lower Upper

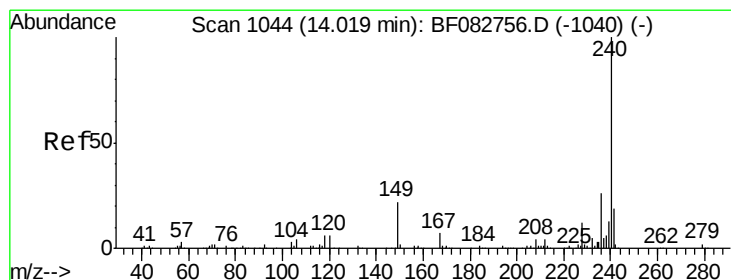
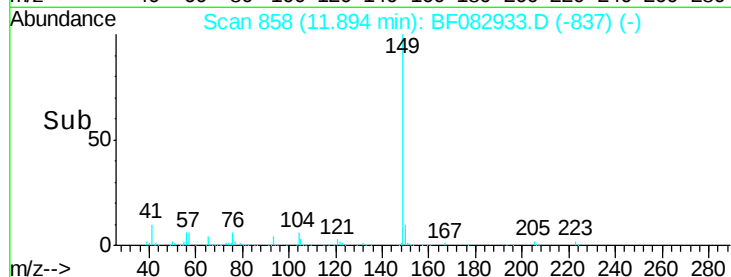
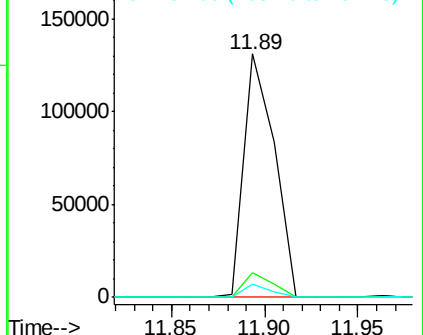
149 100

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

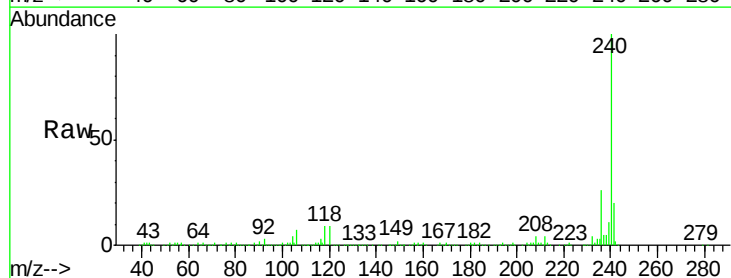
Tgt Ion:240 Resp: 418402

Ion Ratio Lower Upper

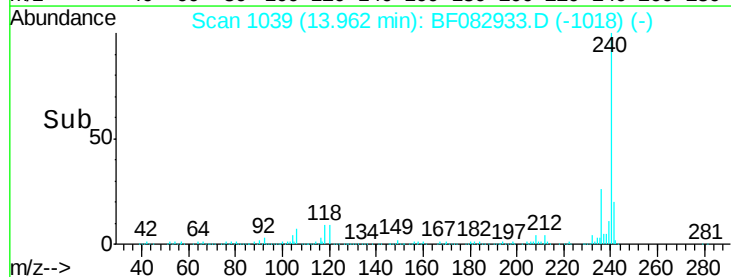
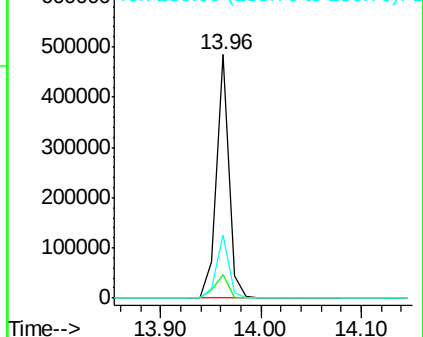
240 100

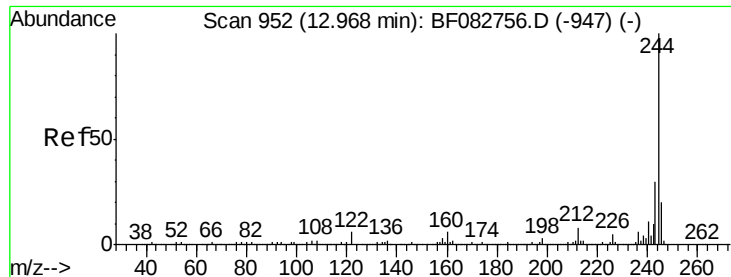
120 9.5 10.9 16.3#

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

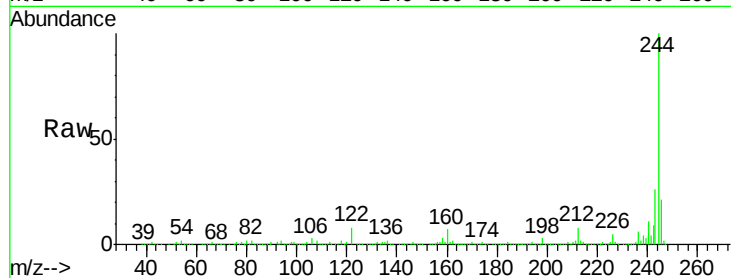
Tgt Ion:244 Resp: 1729825

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

12.92

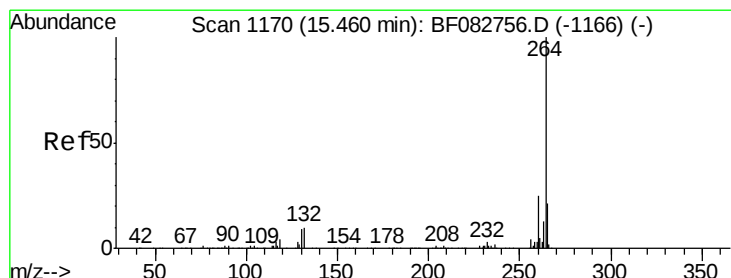
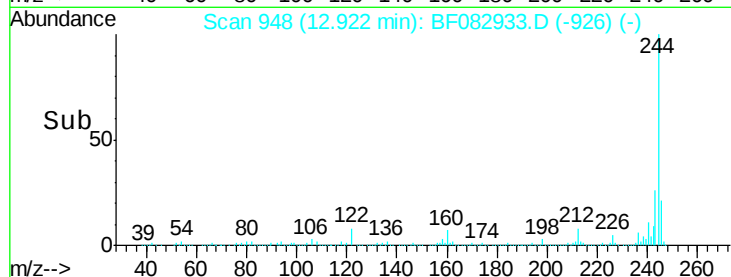
1500000

1000000

500000

0

Time--> 12.80 12.90 13.00 13.10



#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

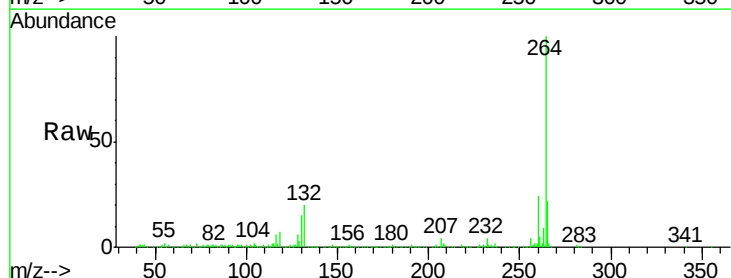
Tgt Ion:264 Resp: 424521

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

15.38

300000

200000

100000

0

Time--> 15.30 15.40 15.50 15.60

