

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022317\
 Data File : BF093112.D
 Acq On : 23 Feb 2017 18:53
 Operator : SJ/MA
 Sample : I1952-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-TOP-SOIL

Quant Time: Feb 24 00:14:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

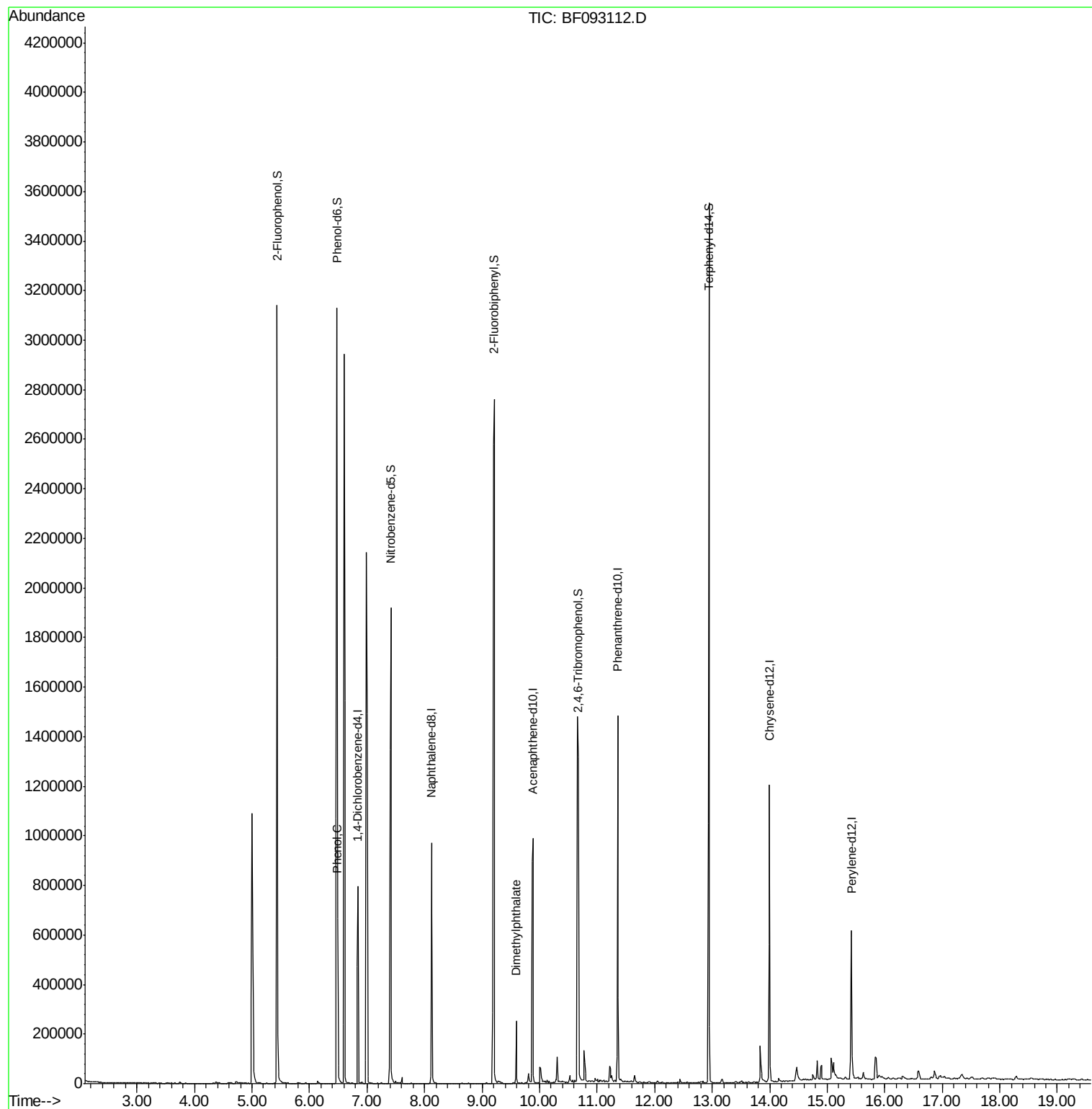
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	152581	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	584455	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	283115	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	527958	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	464547	20.00	ng	-0.02
86) Perylene-d12	15.43	264	326699	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1007380	113.27	ng	-0.01
7) Phenol-d6	6.48	99	1143415	99.92	ng	-0.01
23) Nitrobenzene-d5	7.41	82	808634	77.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	257744	125.87	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1374244	87.94	ng	-0.01
78) Terphenyl-d14	12.95	244	1072764	54.26	ng	-0.02
Target Compounds						
10) Phenol	6.49	94	74146	5.54	ng	Qvalue # 76
49) Dimethylphthalate	9.60	163	95295	5.00	ng	100

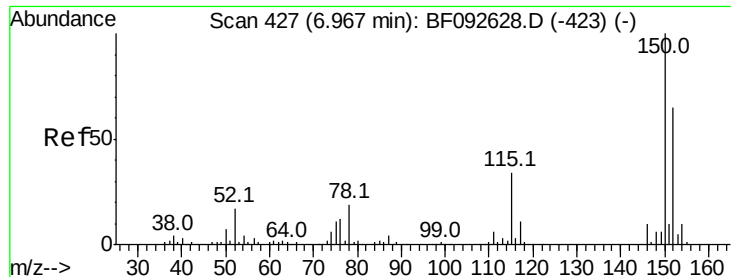
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF093112.D

Acq: 23 Feb 2017 18:53

Instrument :

BNA_F

ClientSampleId :

SPARTA-TOP-SOIL

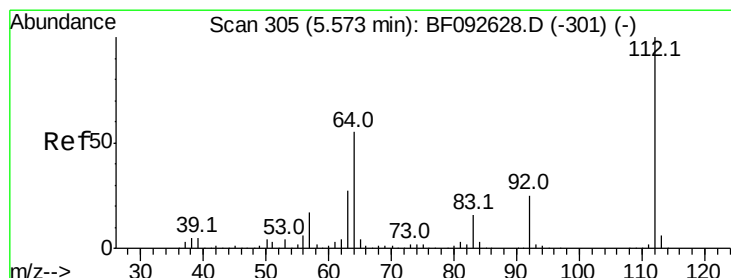
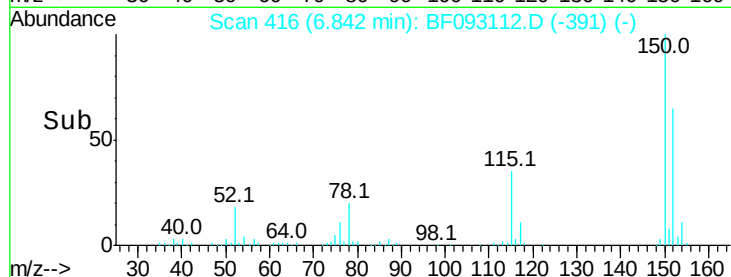
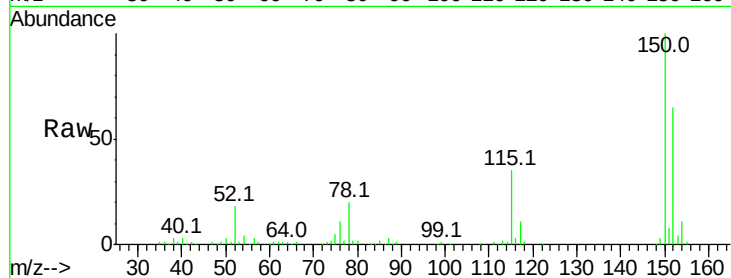
Tot Ion:152 Resp: 152581

Ion Ratio Lower Upper

152 100

150 153.4 124.9 187.3

115 54.1 46.0 69.0



#5

2-Fluorophenol

Concen: 113.27 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093112.D

Acq: 23 Feb 2017 18:53

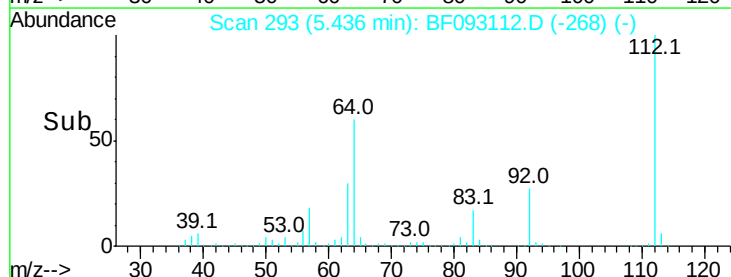
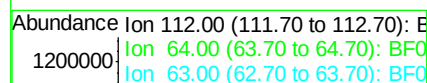
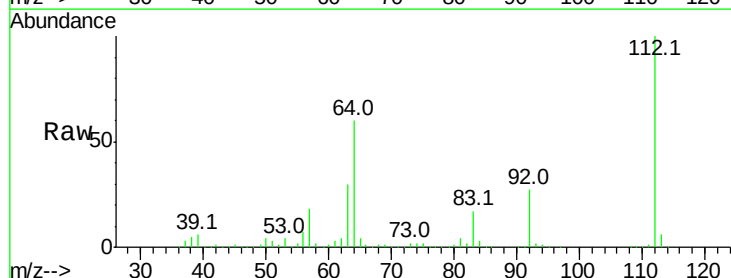
Tgt Ion:112 Resp: 1007380

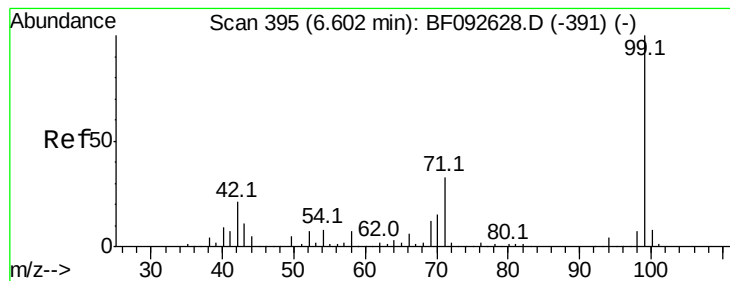
Ion Ratio Lower Upper

112 100

64 59.8 46.1 69.1

63 29.8 23.8 35.6





#7

Phenol-d6

Concen: 99.92 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093112.D

Acq: 23 Feb 2017 18:53

Instrument :

BNA_F

ClientSampleId :

SPARTA-TOP-SOIL

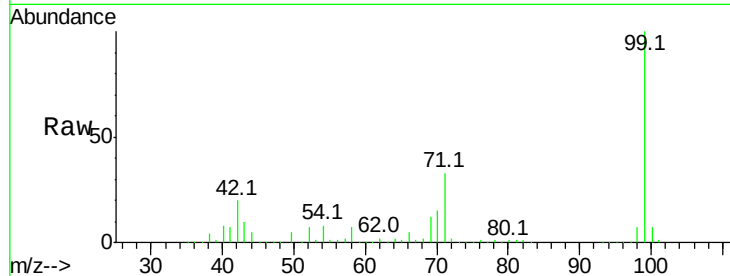
Tot Ion: 99 Resp: 1143415

Ion Ratio Lower Upper

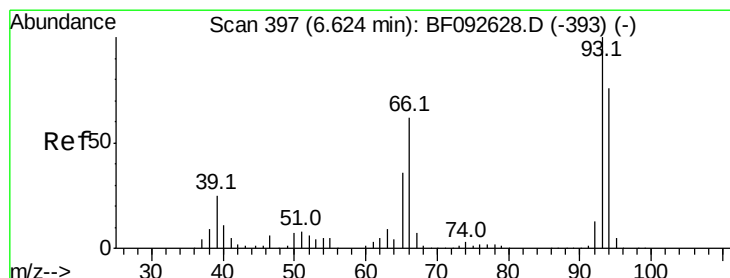
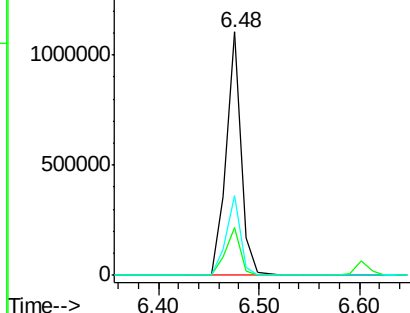
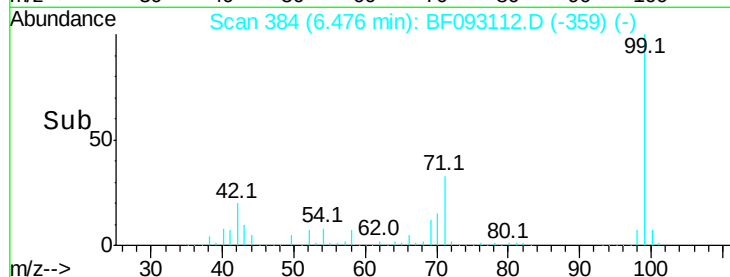
99 100

42 19.7 15.6 23.4

71 32.6 27.5 41.3



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



#10

Phenol

Concen: 5.54 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093112.D

Acq: 23 Feb 2017 18:53

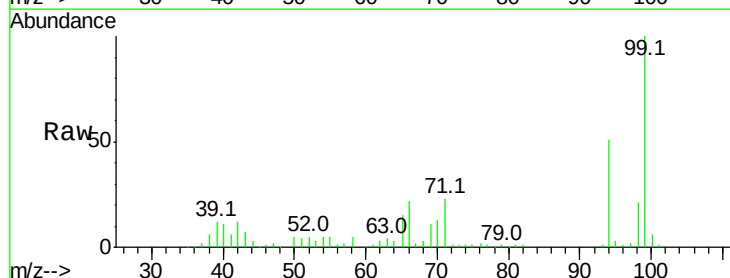
Tgt Ion: 94 Resp: 74146

Ion Ratio Lower Upper

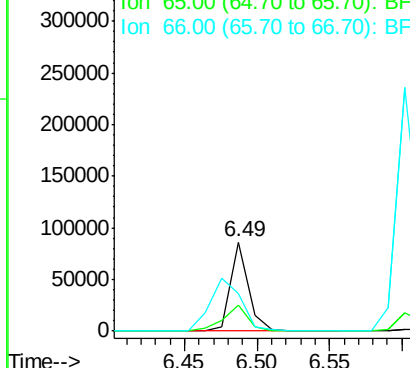
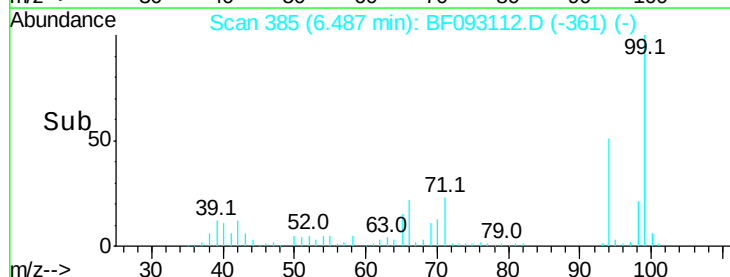
94 100

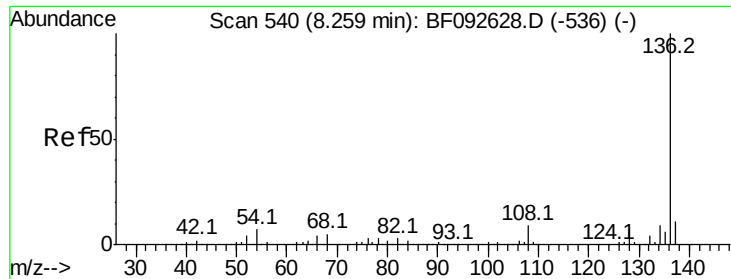
65 29.0 21.4 61.4

66 42.7 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

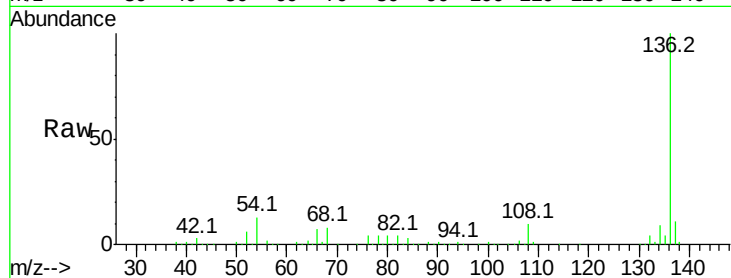




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093112.D
Acq: 23 Feb 2017 18:53

Instrument :
BNA_F
ClientSampleId :
SPARTA-TOP-SOIL

Tot Ion:	136	Resp:	584455
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.4	12.6
54	12.5	4.5	6.7#
68	8.3	3.6	5.4#

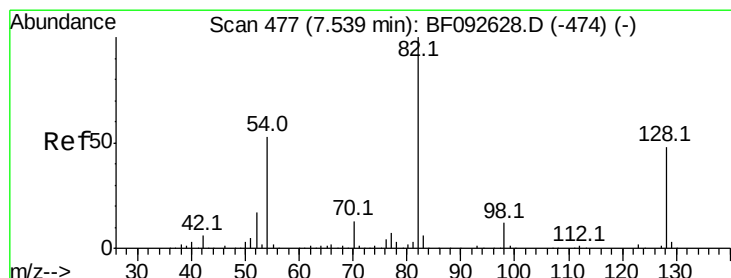
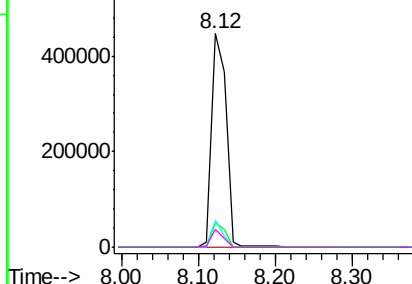
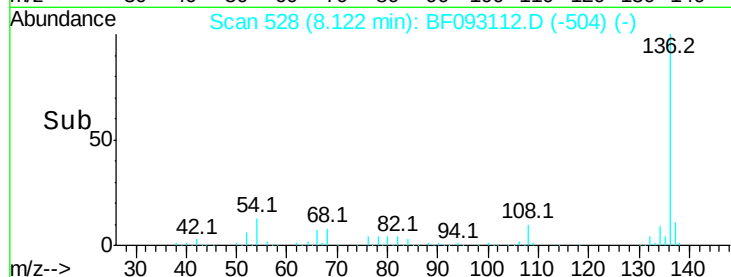


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

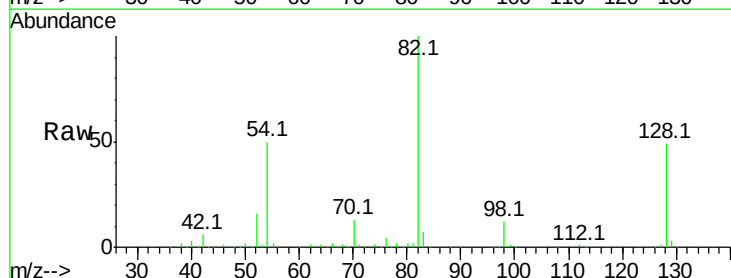
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23
Nitrobenzene-d5
Concen: 77.05 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093112.D
Acq: 23 Feb 2017 18:53

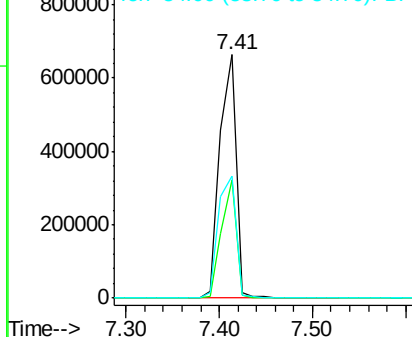
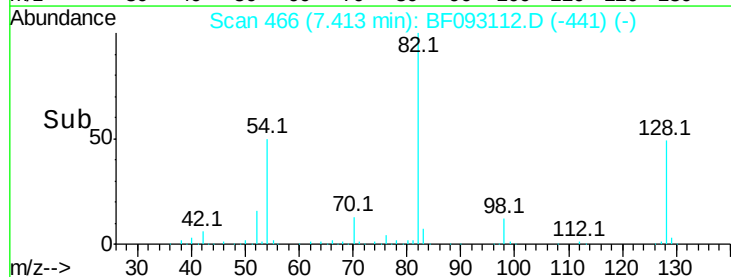
Tgt Ion:	82	Resp:	808634
Ion	Ratio	Lower	Upper
82	100		
128	48.7	34.6	52.0
54	50.3	39.5	59.3

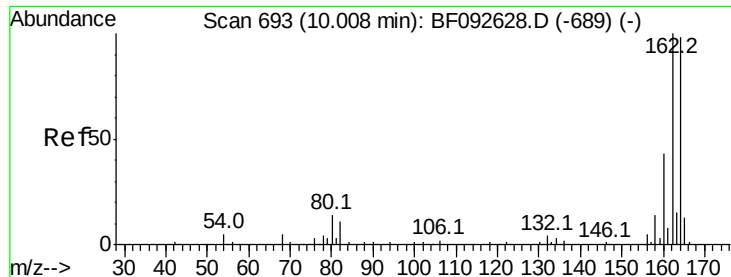


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

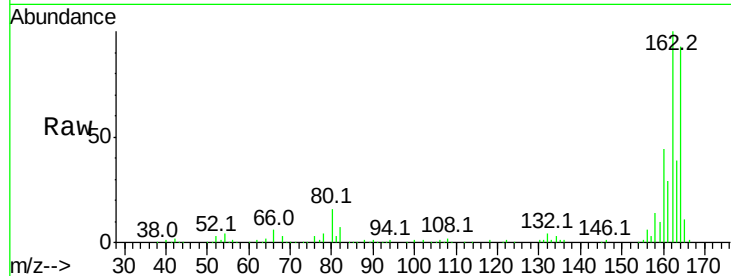




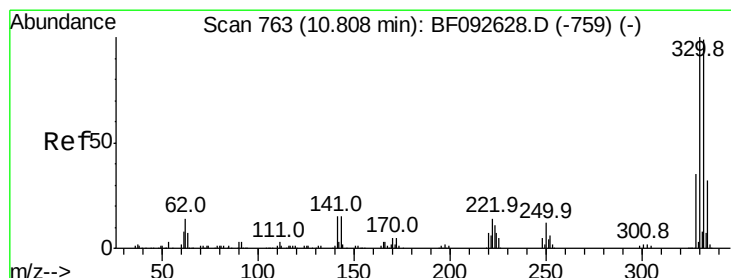
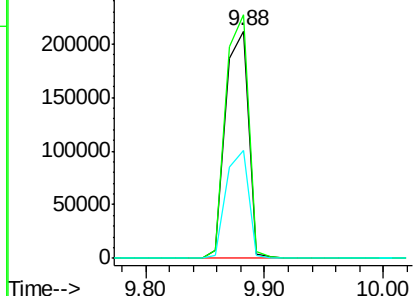
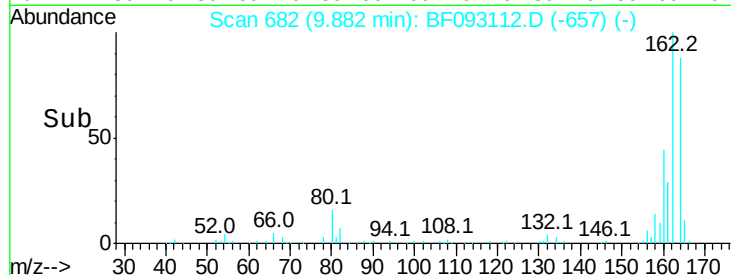
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF093112.D
 Acq: 23 Feb 2017 18:53

Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-TOP-SOIL

Tot Ion:164 Resp: 283115
 Ion Ratio Lower Upper
 164 100
 162 107.1 80.2 120.2
 160 47.5 36.9 55.3

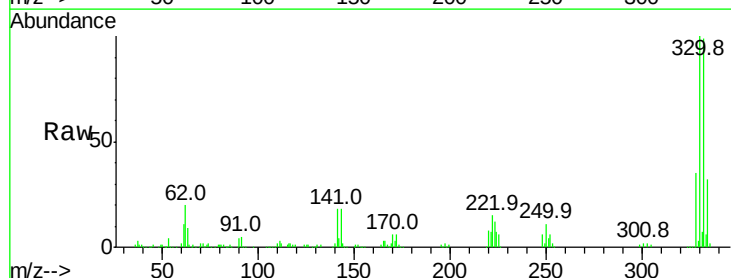


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

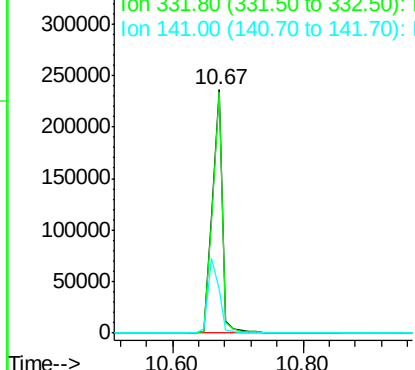
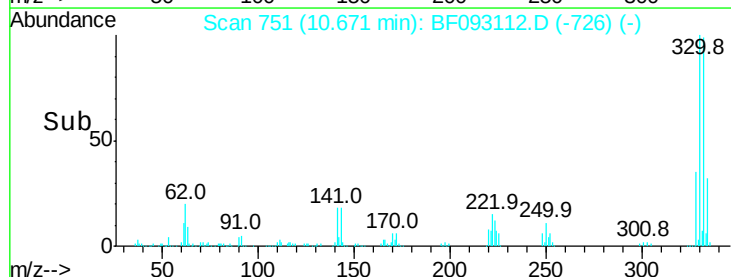


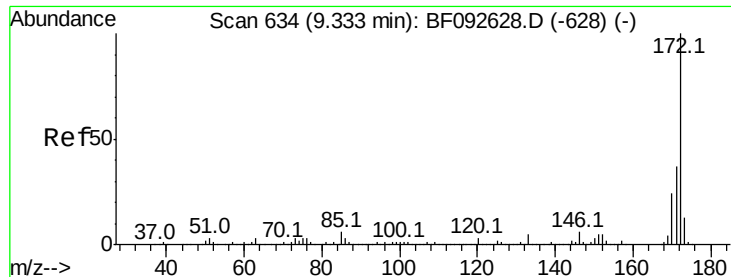
#41
 2,4,6-Tribromophenol
 Concen: 125.87 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093112.D
 Acq: 23 Feb 2017 18:53

Tgt Ion:330 Resp: 257744
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.4 116.2
 141 33.7 34.1 51.1#



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



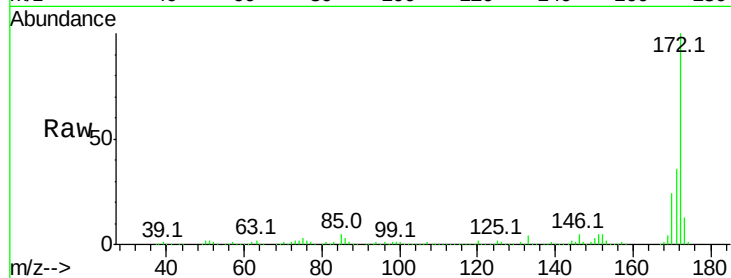


#44
 2-Fluorobiphenyl
 Concen: 87.94 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093112.D
 Acq: 23 Feb 2017 18:53

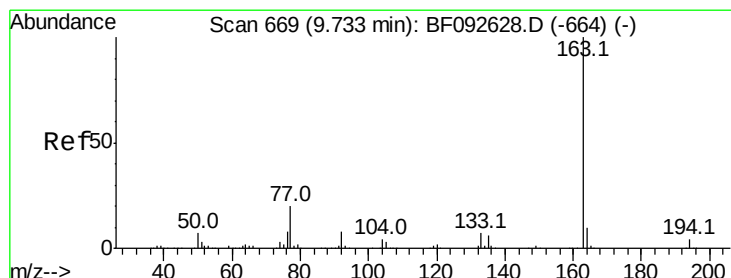
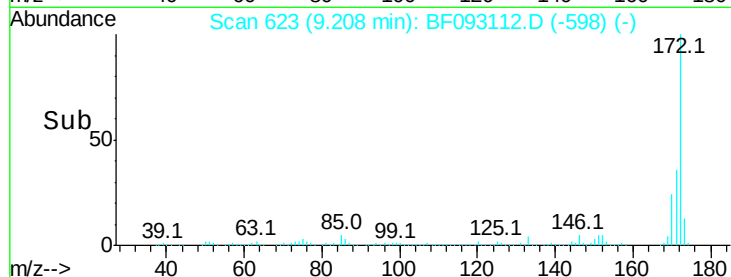
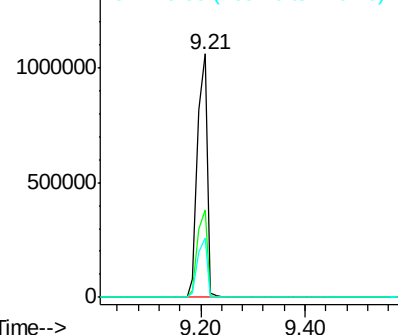
Instrument :
 BNA_F
 ClientSampleId :
 SPARTA-TOP-SOIL

Tot Ion:172 Resp: 1374244

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.2	20.2	30.4



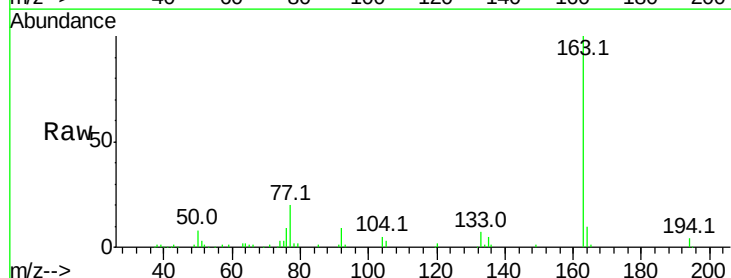
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



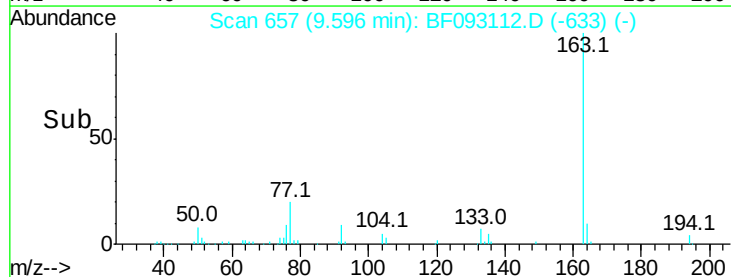
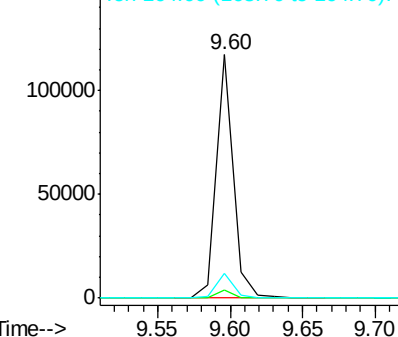
#49
 Dimethylphthalate
 Concen: 5.00 ng
 RT: 9.60 min Scan# 657
 Delta R.T. -0.02 min
 Lab File: BF093112.D
 Acq: 23 Feb 2017 18:53

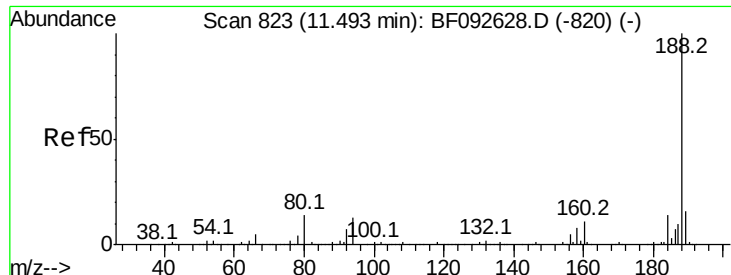
Tgt Ion:163 Resp: 95295

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.4
164	9.9	8.0	12.0



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

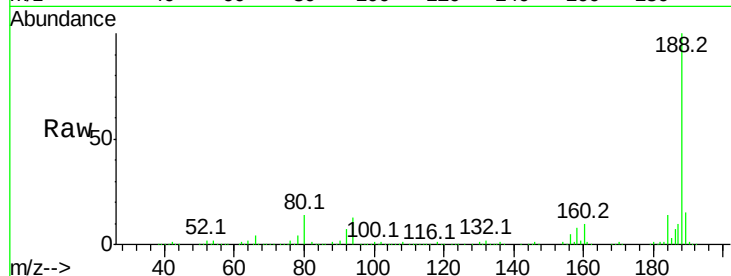




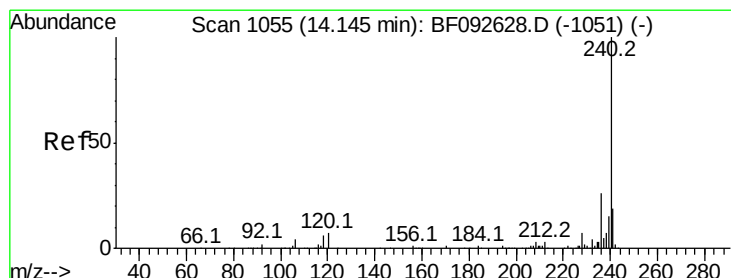
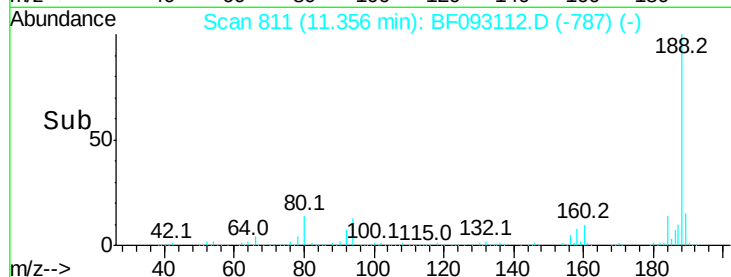
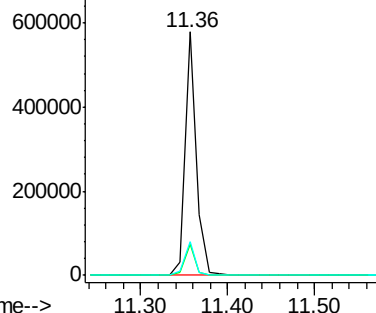
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF093112.D
Acq: 23 Feb 2017 18:53

Instrument :
BNA_F
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SPARTA-TOP-SOIL

Tot Ion	Ratio	Lower	Upper
188	100		
94	12.8	10.0	15.0
80	13.7	11.2	16.8

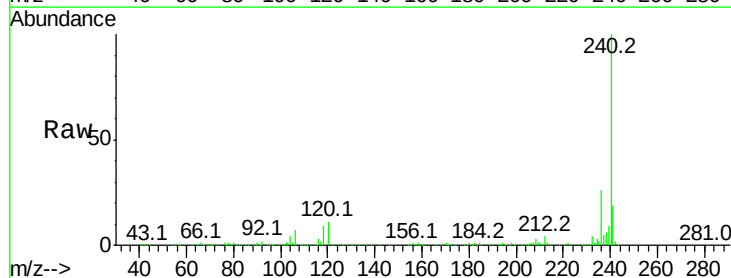


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

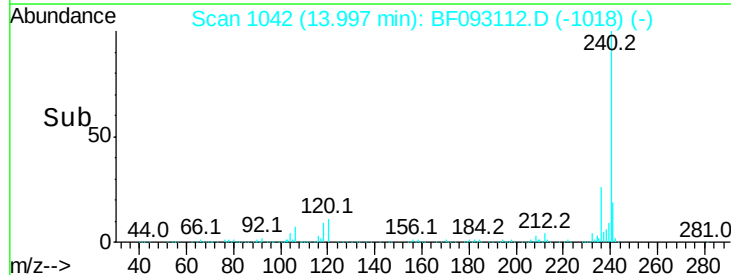
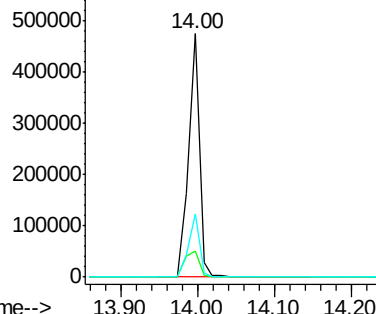


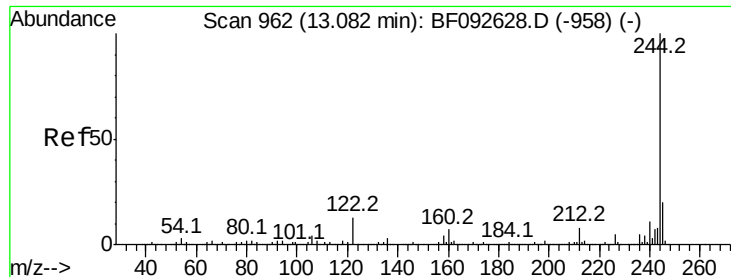
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BF093112.D
Acq: 23 Feb 2017 18:53

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.7	12.9	19.3#
236	26.0	20.9	31.3



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: 54.26 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093112.D

Acq: 23 Feb 2017 18:53

Instrument :

BNA_F

ClientSampleId :

SPARTA-TOP-SOIL

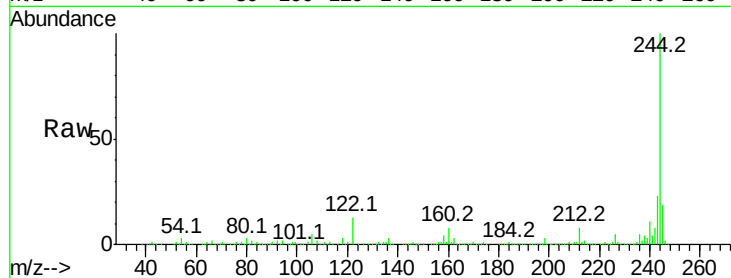
Tot Ion:244 Resp: 1072764

Ion Ratio Lower Upper

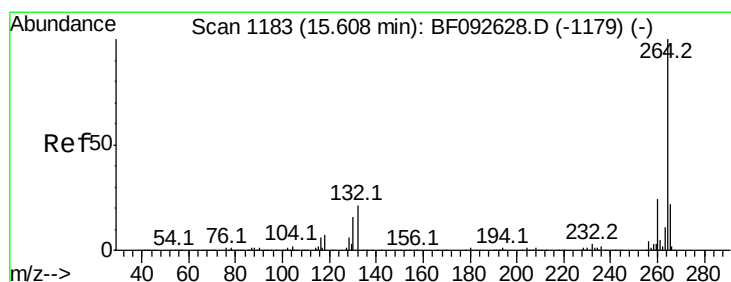
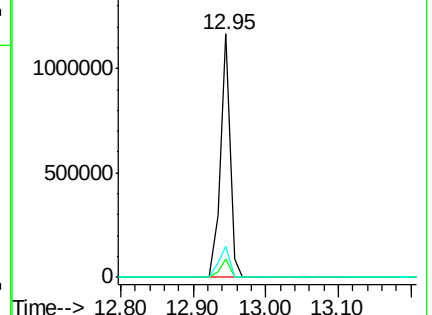
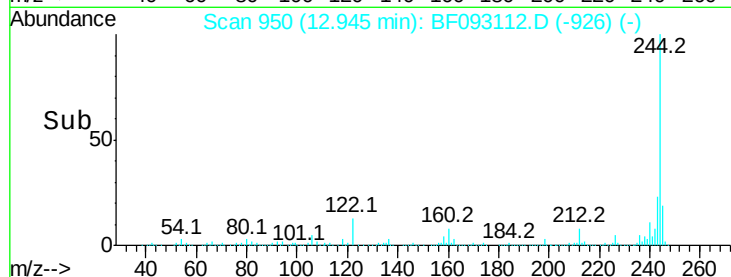
244 100

212 7.6 6.2 9.2

122 12.8 11.4 17.2



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.43 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF093112.D

Acq: 23 Feb 2017 18:53

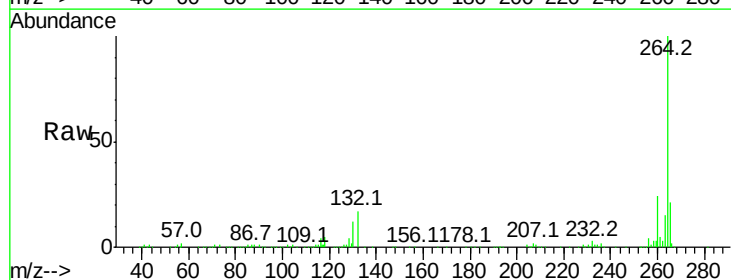
Tgt Ion:264 Resp: 326699

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 20.7 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

