

Data Path : U:\HPCHEM1\BNA F\DATA\BF020318\
 Data File : BF102725.D
 Acq On : 3 Feb 2018 18:57
 Operator : SJ/JU
 Sample : J1436-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 05 01:26:12 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 00:38:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	198013	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	809094	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	333387	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	476326	20.00	ng	0.00
75) Chrysene-d12	14.04	240	365518	20.00	ng	0.00
86) Perylene-d12	15.52	264	367741	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1253460	96.13	ng	0.01
7) Phenol-d6	6.50	99	1469897	93.63	ng	0.00
23) Nitrobenzene-d5	7.44	82	900602	77.22	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	257967	96.14	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1436239	71.49	ng	0.00
78) Terphenyl-d14	12.99	244	955073	61.87	ng	0.00

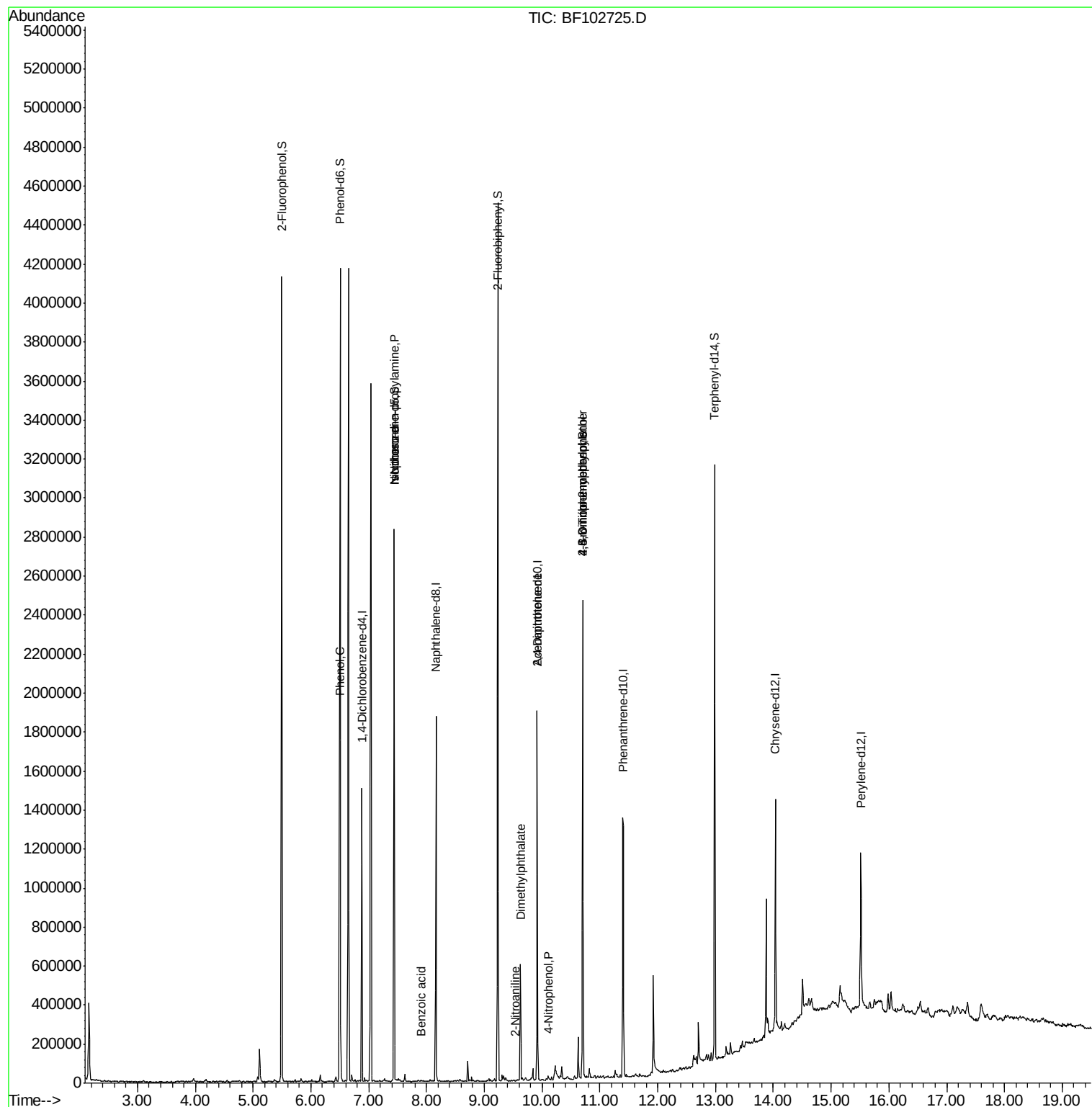
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	66538	3.955	ng	95
19) n-Nitroso-di-n-propylamine	7.44	70	121961	11.783	ng	# 83
25) Isophorone	7.44	82	900403	33.526	ng	# 64
32) Benzoic acid	7.91	122	149	8.561	ng	# 36
47) 2-Nitroaniline	9.53	65	132	3.490	ng	# 2
49) Dimethylphthalate	9.63	163	203283	7.820	ng	99
55) 4-Nitrophenol	10.12	139	170	4.056	ng	# 44
56) 2,4-Dinitrotoluene	9.92	165	43394	9.199	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	441	8.998	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	17338	3.441	ng	# 1

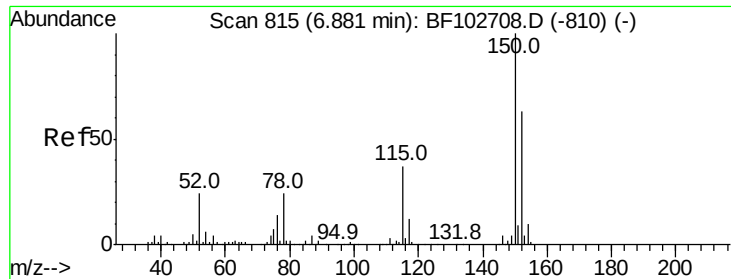
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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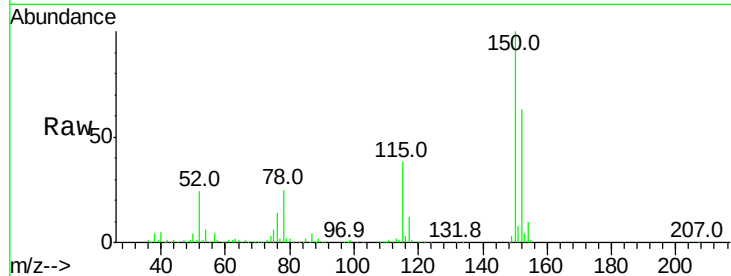


#1

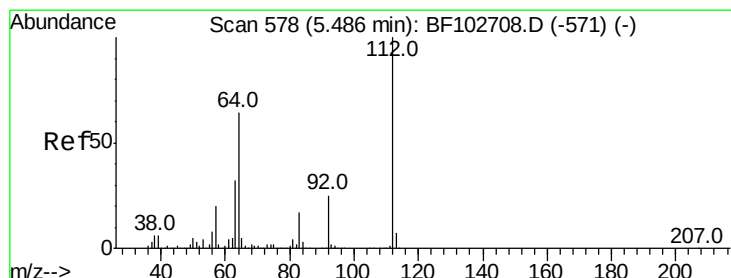
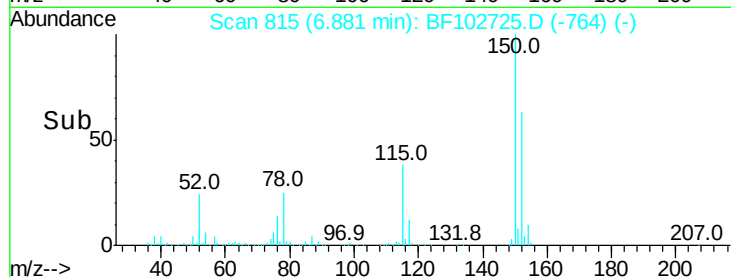
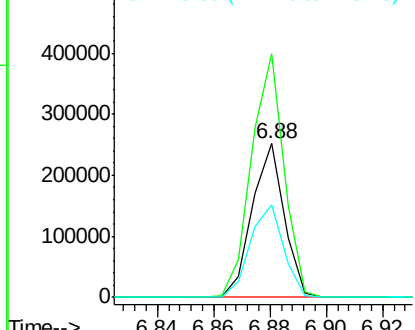
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102725.D
Acq: 3 Feb 2018 18:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.6	186.8
115	60.1	50.1	75.1



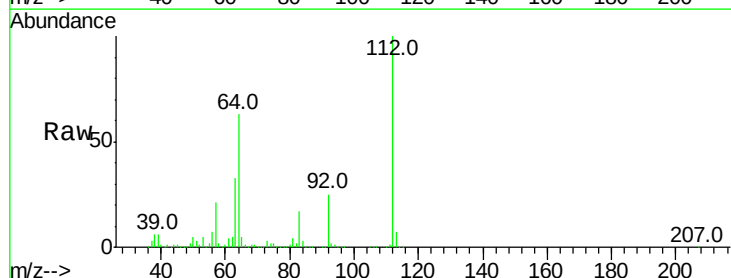
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



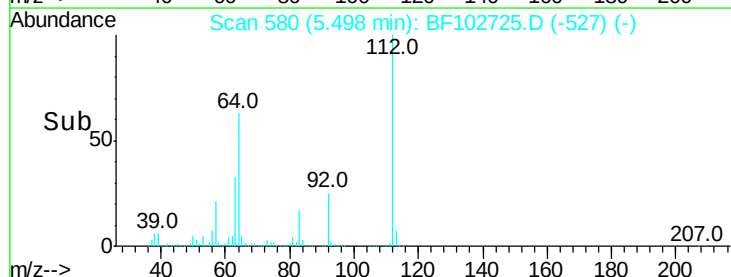
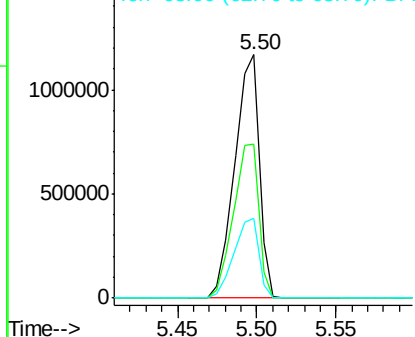
#5

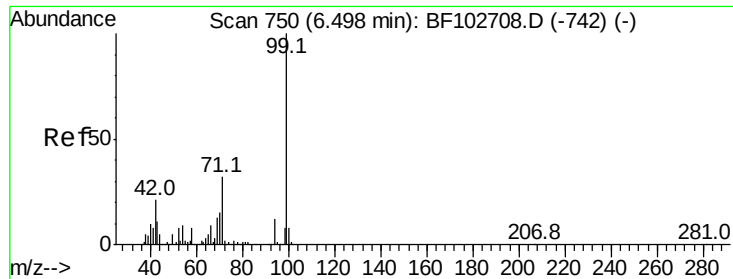
2-Fluorophenol
Concen: 96.135 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102725.D
Acq: 3 Feb 2018 18:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.3	47.9	71.9
63	32.7	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 93.628 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF102725.D

Acq: 3 Feb 2018 18:57

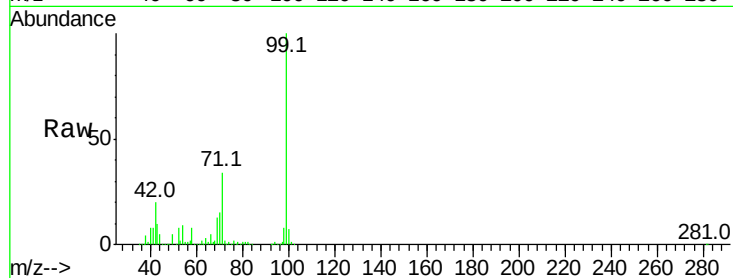
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1469897

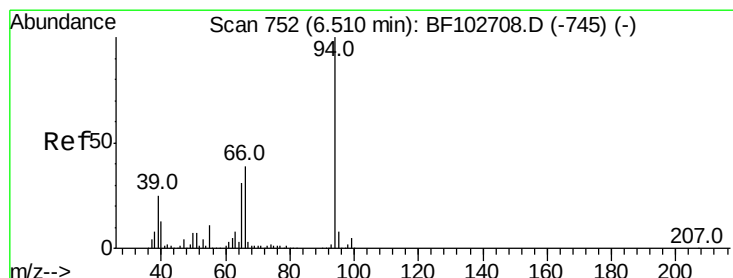
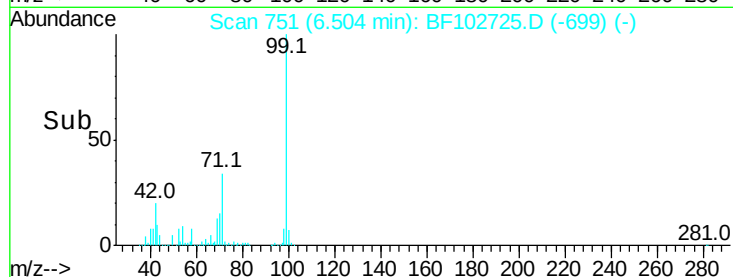
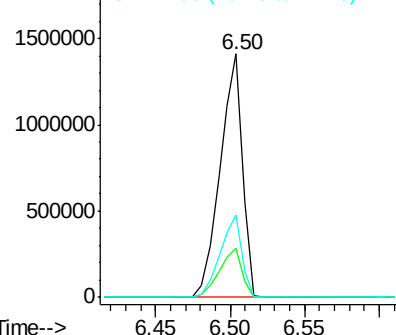
Ion	Ratio	Lower	Upper
99	100		
42	20.3	14.5	21.7
71	33.7	25.4	38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.955 ng

RT: 6.52 min Scan# 753

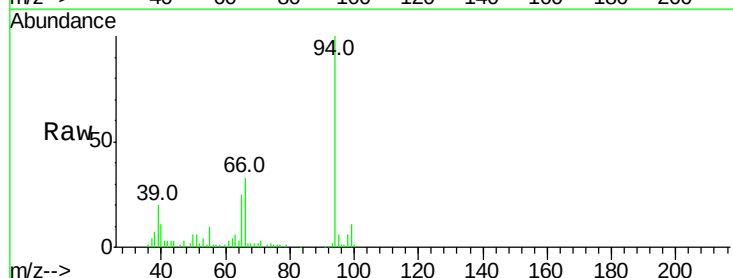
Delta R.T. 0.01 min

Lab File: BF102725.D

Acq: 3 Feb 2018 18:57

Tgt Ion: 94 Resp: 66538

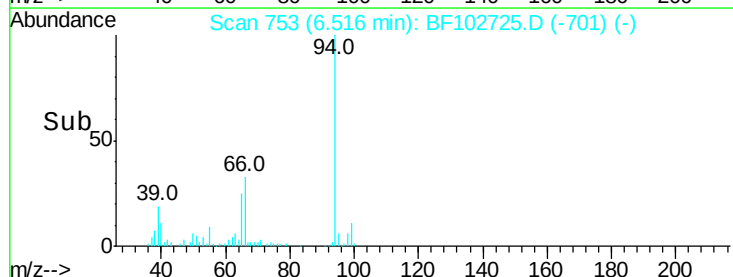
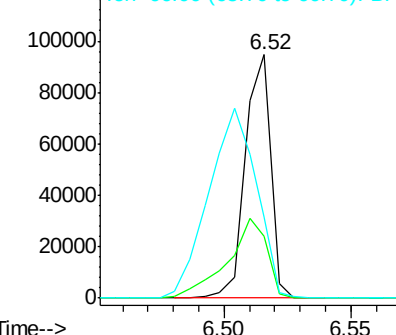
Ion	Ratio	Lower	Upper
94	100		
65	25.4	7.9	47.9
66	33.1	16.2	56.2

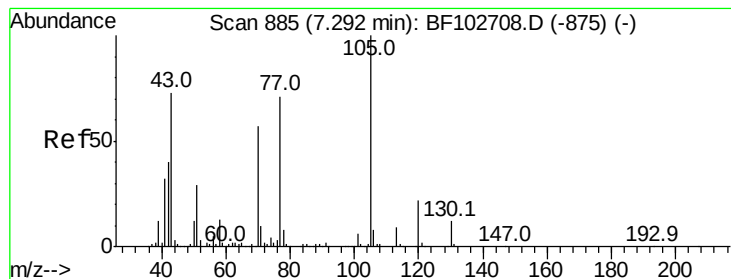


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 11.783 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF102725.D

Acq: 3 Feb 2018 18:57

Instrument :

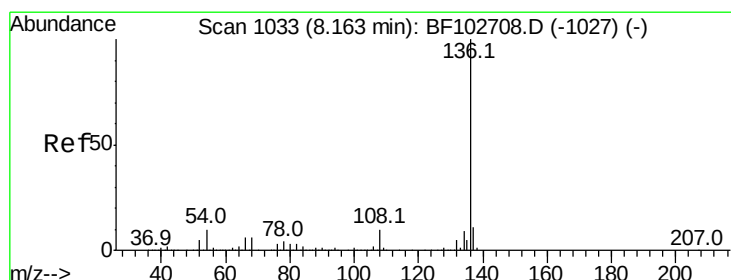
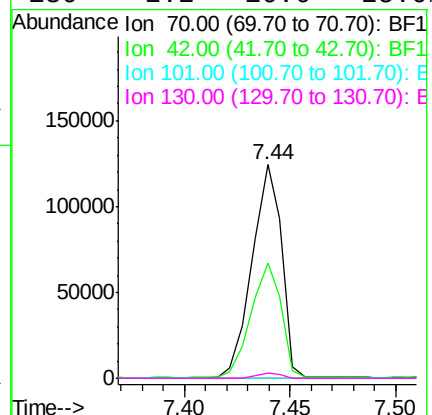
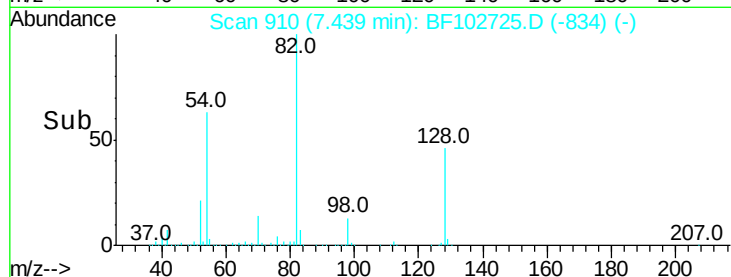
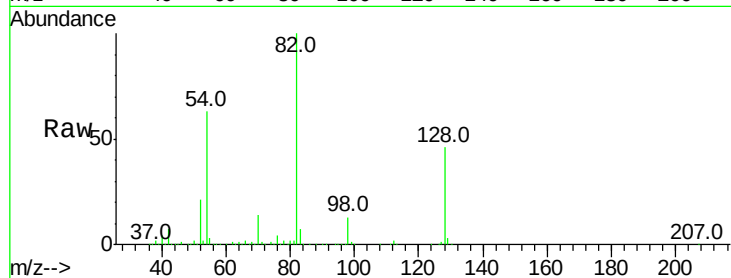
BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 121961

Ion Ratio Lower Upper

70	100		
42	53.8	47.5	71.3
101	0.0	7.4	11.2
130	2.2	16.6	25.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. 0.00 min

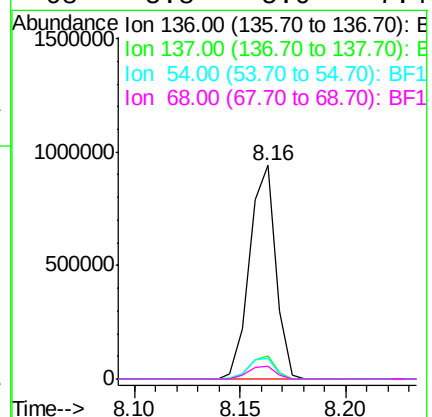
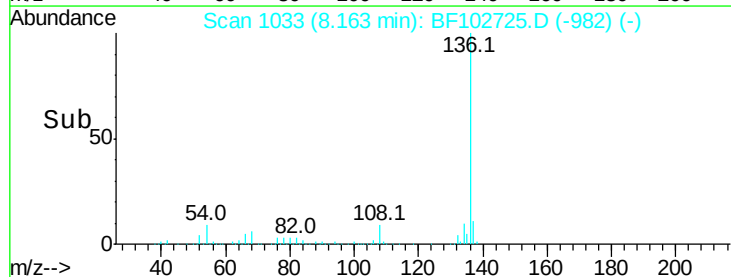
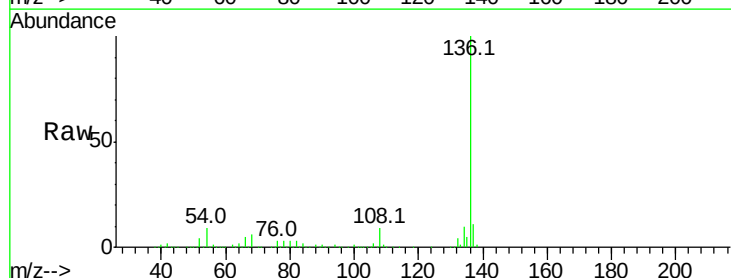
Lab File: BF102725.D

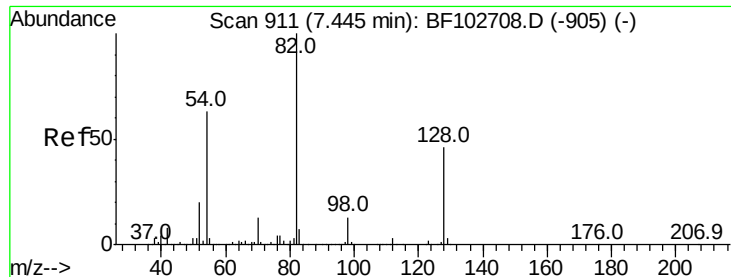
Acq: 3 Feb 2018 18:57

Tgt Ion: 136 Resp: 809094

Ion Ratio Lower Upper

136	100		
137	11.0	8.9	13.3
54	9.3	6.6	9.8
68	5.8	5.0	7.4

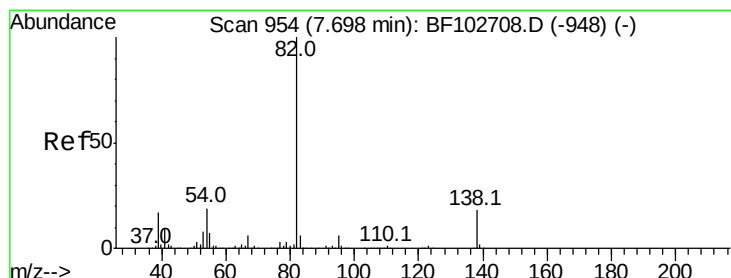
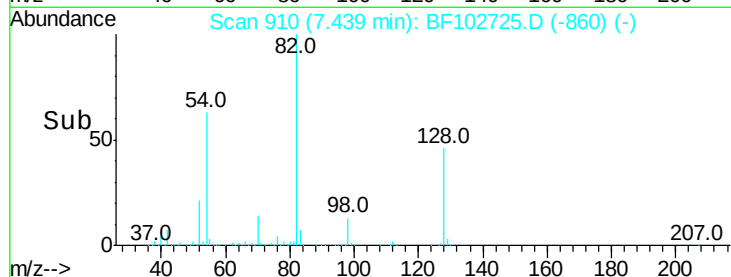
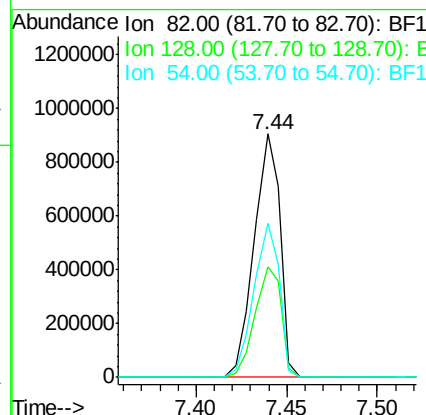
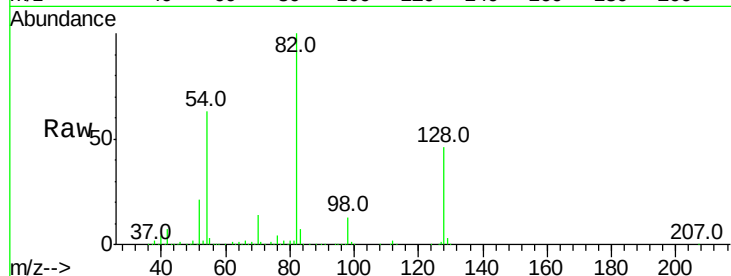




#23
 Nitrobenzene-d5
 Concen: 77.216 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF102725.D
 Acq: 3 Feb 2018 18:57

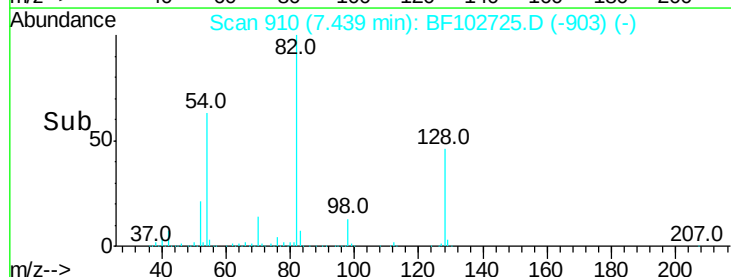
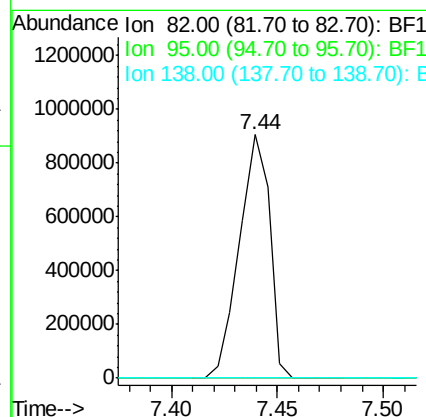
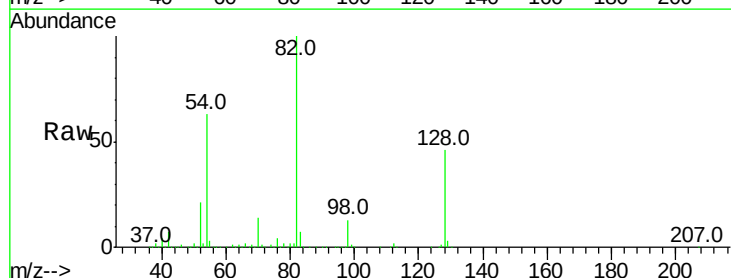
Instrument :
 BNA_F
 ClientSampled :

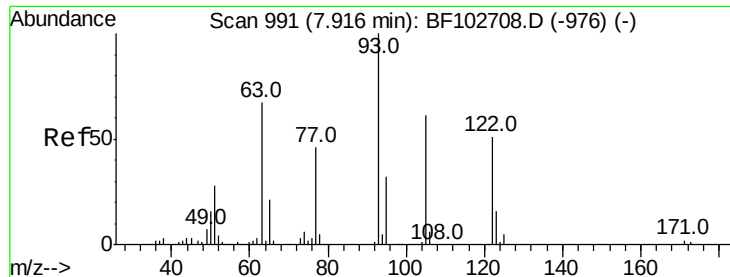
Tot Ion: 82 Resp: 900602
 Ion Ratio Lower Upper
 82 100
 128 45.6 36.1 54.1
 54 63.2 41.4 62.2#



#25
 Isophorone
 Concen: 33.526 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.26 min
 Lab File: BF102725.D
 Acq: 3 Feb 2018 18:57

Tgt Ion: 82 Resp: 900403
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

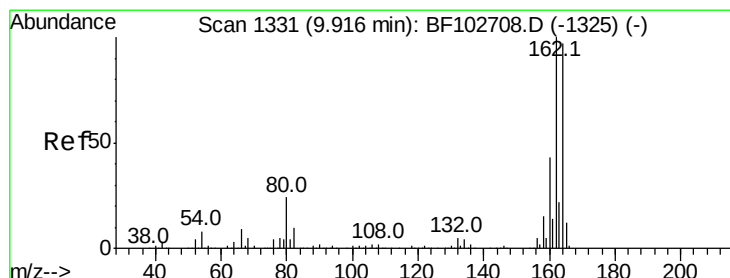
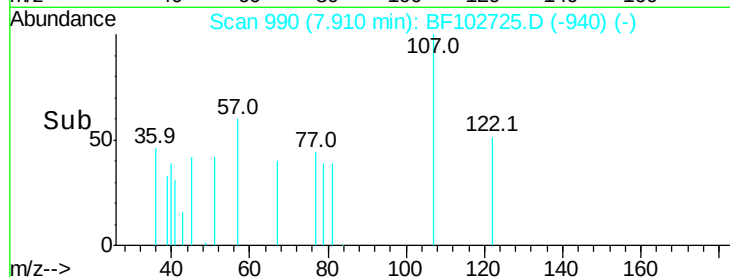
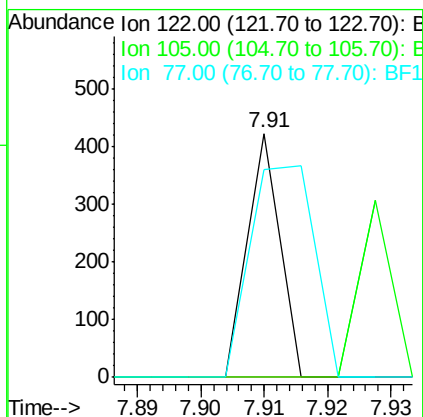
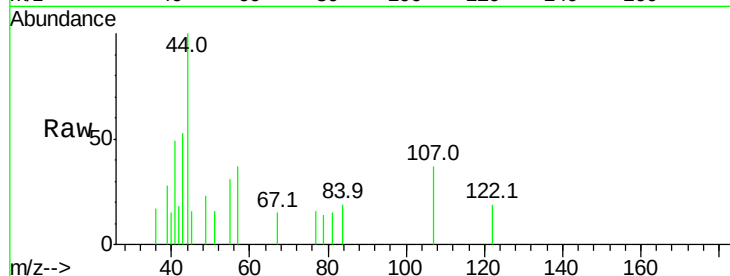




#32
Benzoic acid
Concen: 8.561 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF102725.D
Acq: 3 Feb 2018 18:57

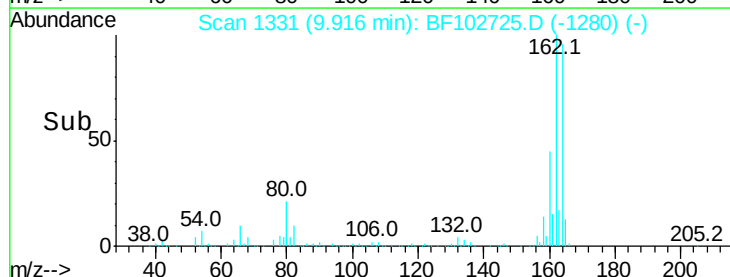
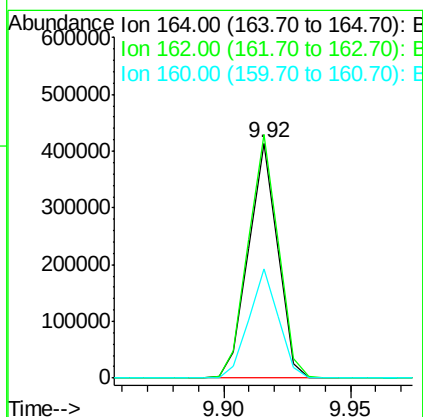
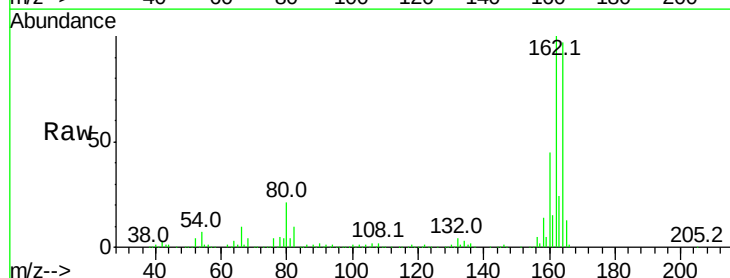
Instrument :
BNA_F
ClientSampleId :

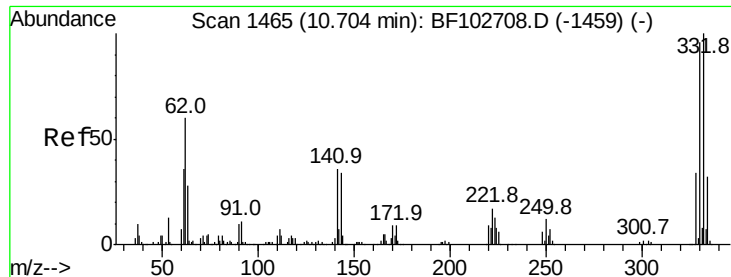
Tot Ion:122 Resp: 149
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 85.3 70.7 110.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF102725.D
Acq: 3 Feb 2018 18:57

Tgt Ion:164 Resp: 333387
Ion Ratio Lower Upper
164 100
162 103.6 86.1 129.1
160 46.6 38.3 57.5

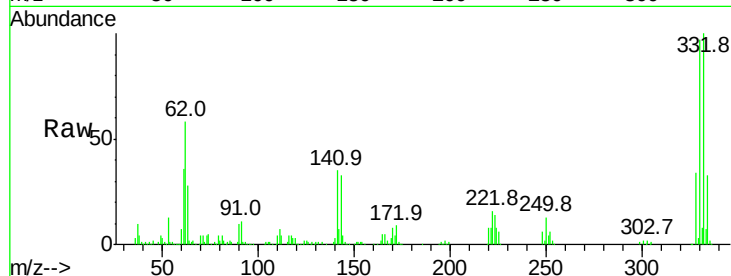




#41
 2,4,6-Tribromophenol
 Concen: 96.135 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF102725.D
 Acq: 3 Feb 2018 18:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.7	77.0	115.6
141	38.7	29.9	44.9

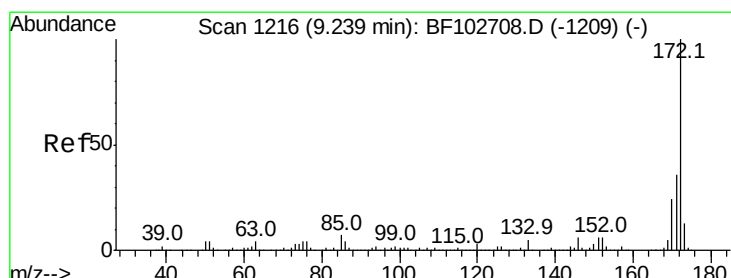
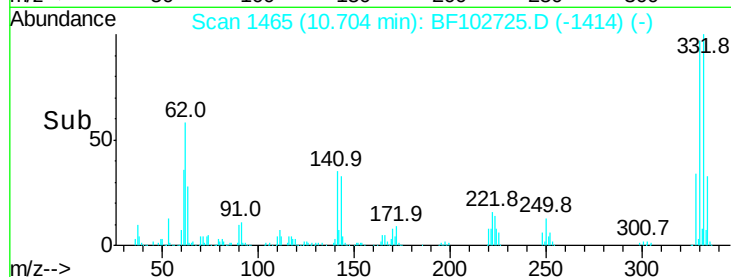
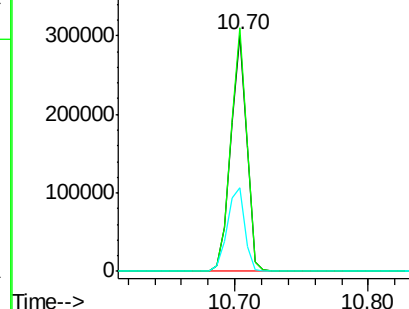


Abundance

Ion 329.80 (329.50 to 330.50): E

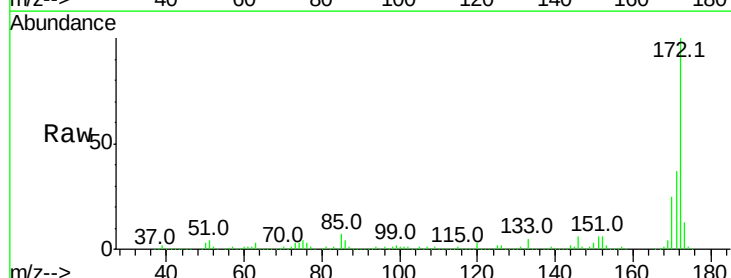
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 71.485 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: BF102725.D
 Acq: 3 Feb 2018 18:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.7	44.5
170	24.5	19.6	29.4

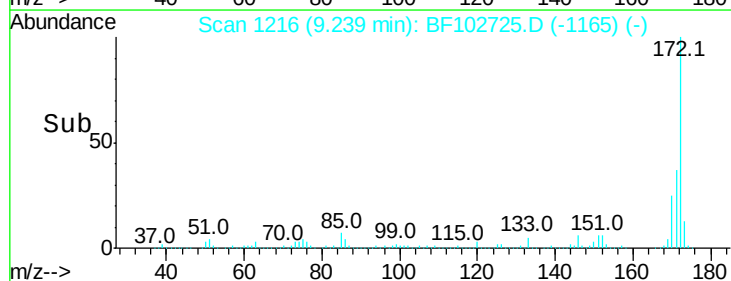
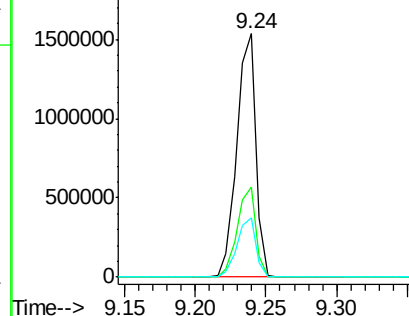


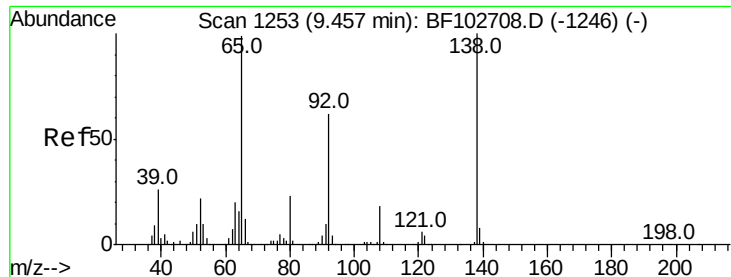
Abundance

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





#47

2-Nitroaniline

Concen: 3.490 ng

RT: 9.53 min Scan# 1265

Delta R.T. 0.07 min

Lab File: BF102725.D

Acq: 3 Feb 2018 18:57

Instrument :

BNA_F

ClientSampleId :

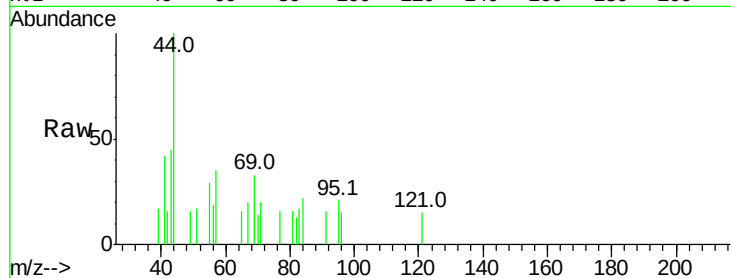
Tot Ion: 65 Resp: 132

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

9.53

400

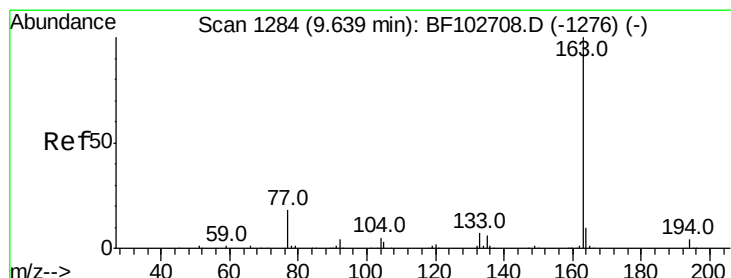
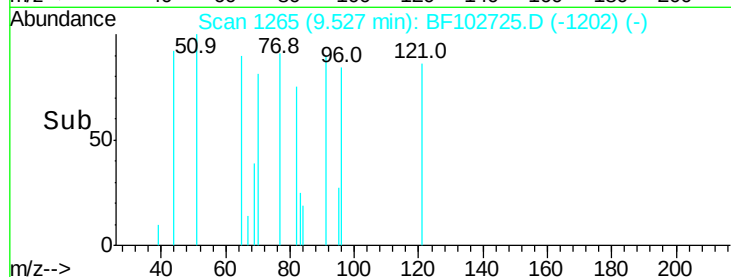
300

200

100

0

Time-->



#49

Dimethylphthalate

Concen: 7.820 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF102725.D

Acq: 3 Feb 2018 18:57

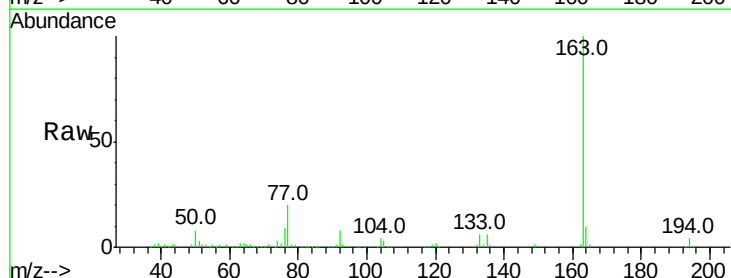
Tgt Ion:163 Resp: 203283

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

164 10.0 8.2 12.2



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

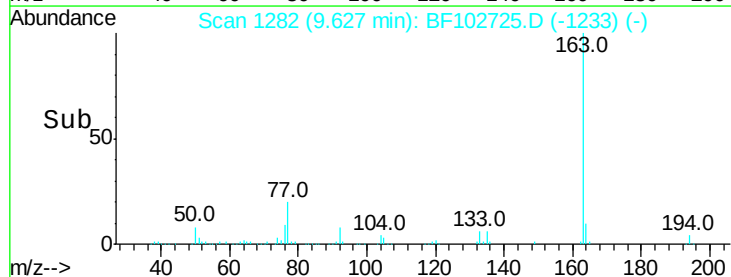
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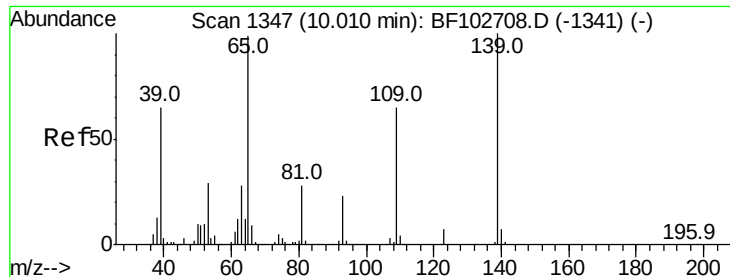
200000

100000

0

Time-->

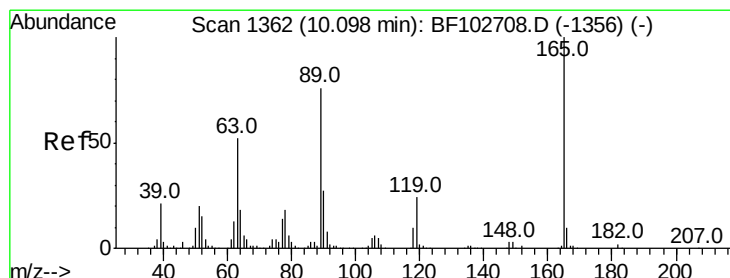
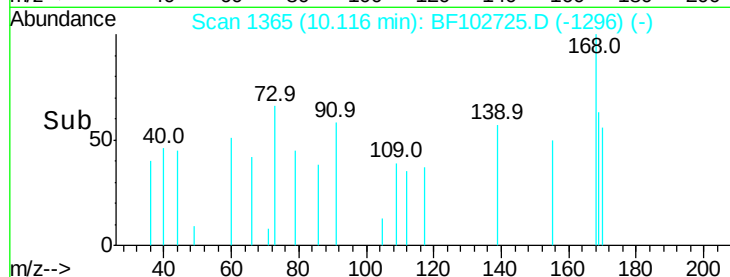
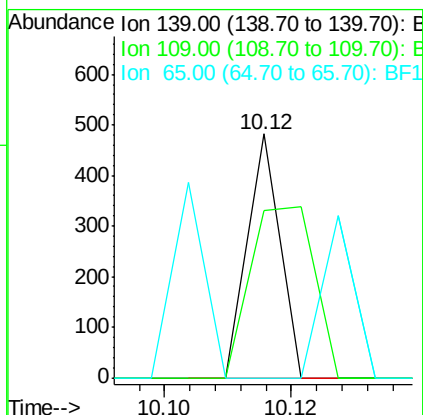
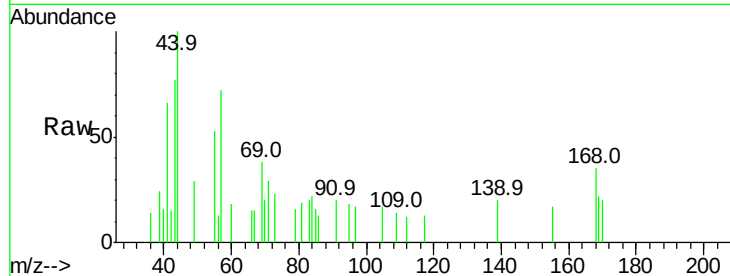




#55
4-Nitrophenol
Concen: 4.056 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.11 min
Lab File: BF102725.D
Acq: 3 Feb 2018 18:57

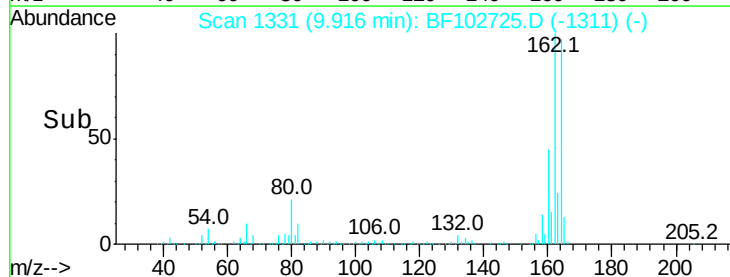
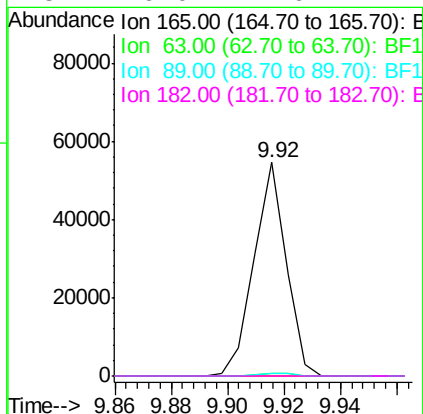
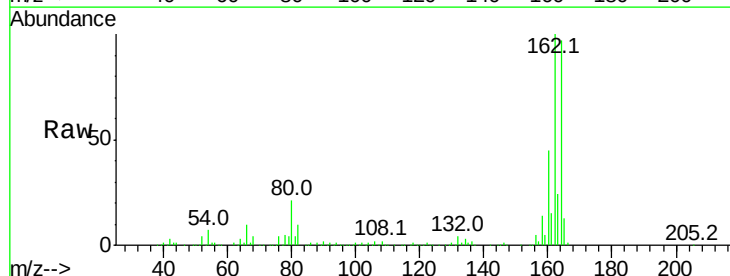
Instrument :
BNA_F
ClientSampled :

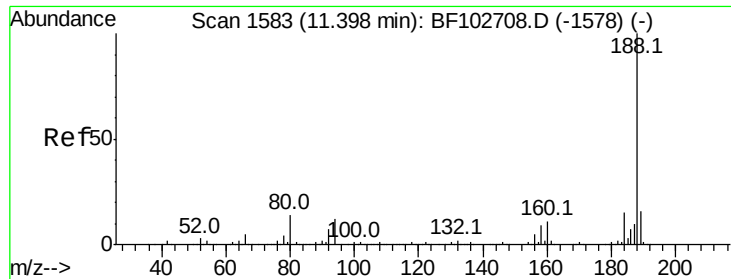
Tot Ion:139 Resp: 170
Ion Ratio Lower Upper
139 100
109 68.7 48.4 88.4
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.199 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.18 min
Lab File: BF102725.D
Acq: 3 Feb 2018 18:57

Tgt Ion:165 Resp: 43394
Ion Ratio Lower Upper
165 100
63 1.4 36.4 54.6#
89 1.5 57.8 86.6#
182 0.0 1.6 2.4#

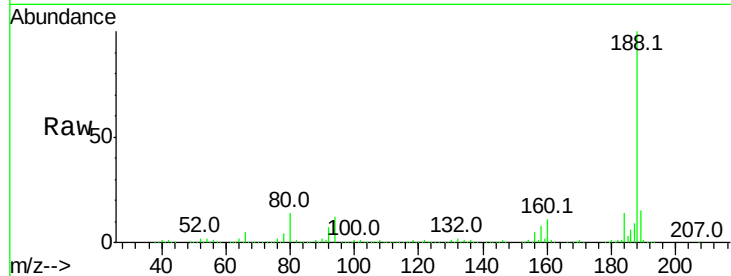




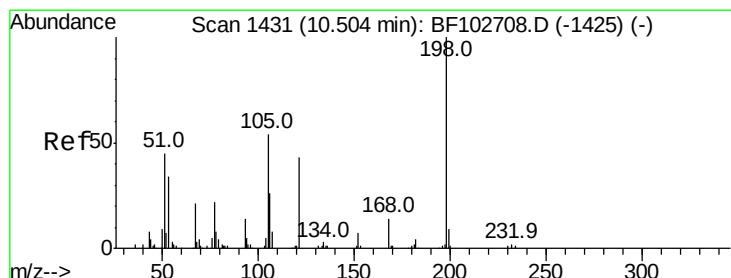
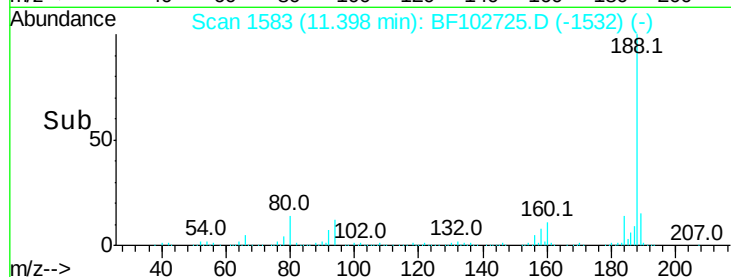
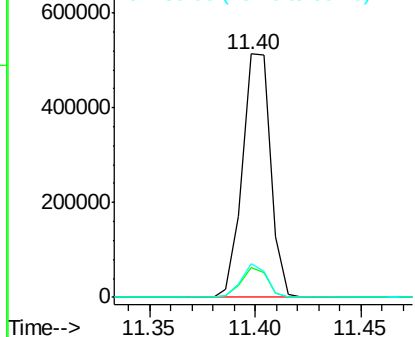
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: BF102725.D
 Acq: 3 Feb 2018 18:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 476326
 Ion Ratio Lower Upper
 188 100
 94 12.3 8.5 12.7
 80 13.7 9.2 13.8

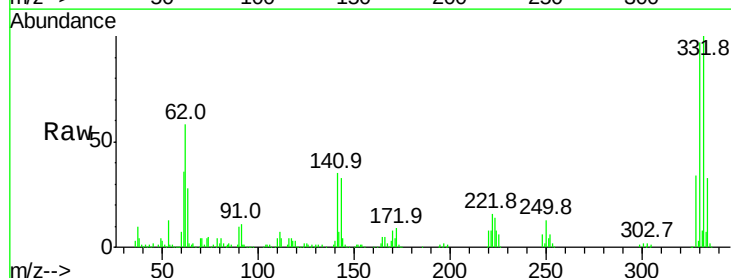


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

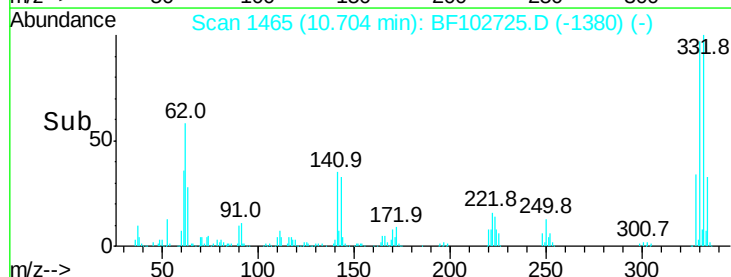
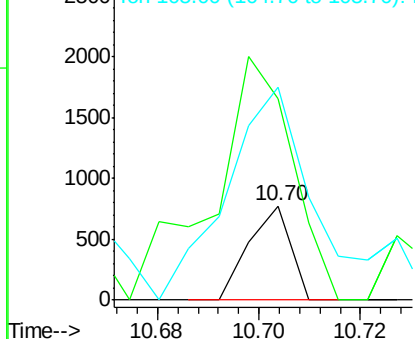


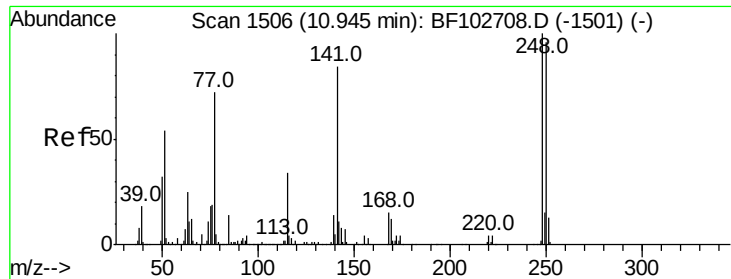
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.998 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.20 min
 Lab File: BF102725.D
 Acq: 3 Feb 2018 18:57

Tgt Ion:198 Resp: 441
 Ion Ratio Lower Upper
 198 100
 51 213.0 37.7 77.7#
 105 225.6 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

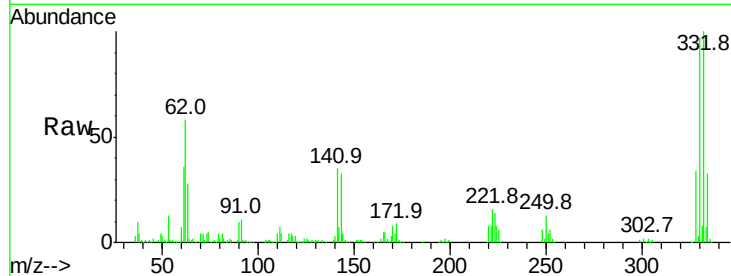




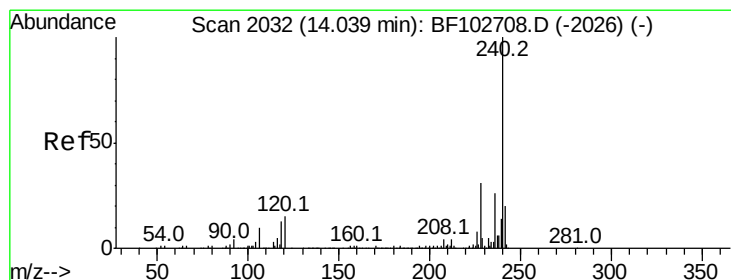
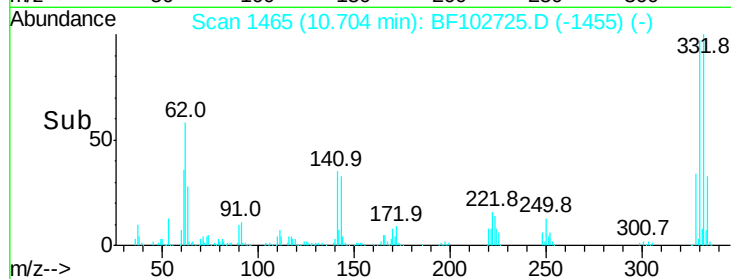
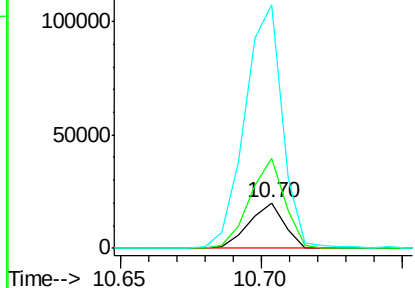
#66
4-Bromophenyl-phenylether
Concen: 3.441 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.24 min
Lab File: BF102725.D
Acq: 3 Feb 2018 18:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17338
Ion Ratio Lower Upper
248 100
250 196.8 76.9 115.3#
141 534.4 74.4 111.6#

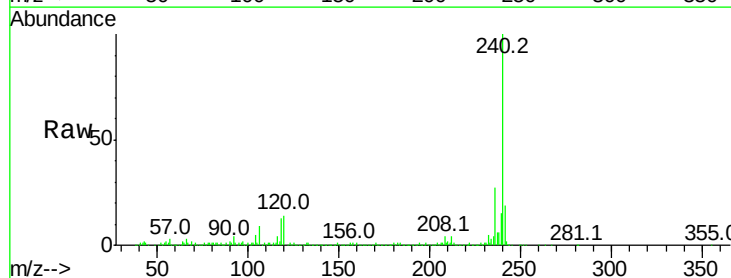


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

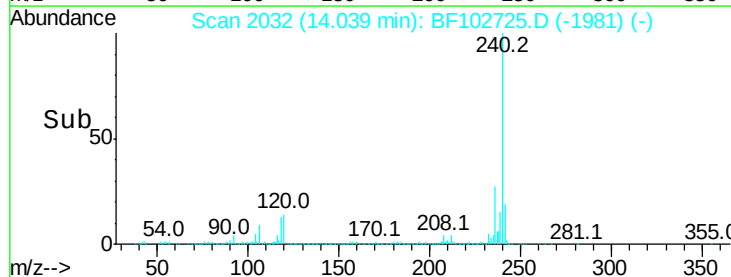
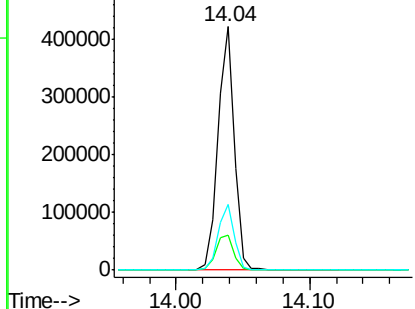


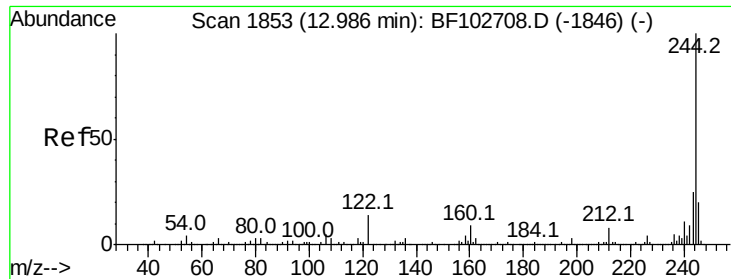
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF102725.D
Acq: 3 Feb 2018 18:57

Tgt Ion:240 Resp: 365518
Ion Ratio Lower Upper
240 100
120 14.3 9.5 14.3#
236 26.8 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: 61.868 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF102725.D

Acq: 3 Feb 2018 18:57

Instrument :

BNA_F

ClientSampleId :

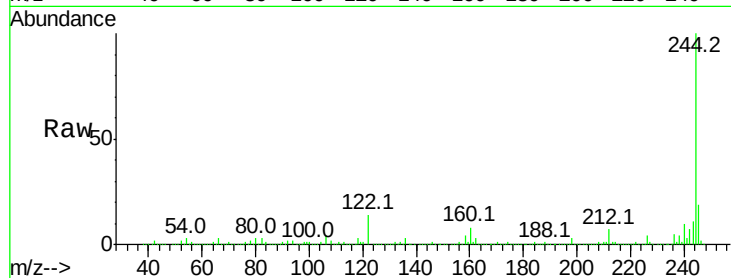
Tot Ion:244 Resp: 955073

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

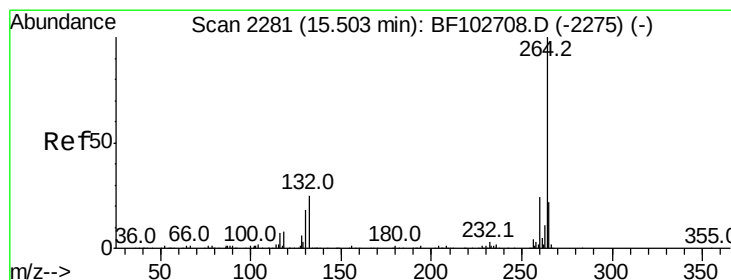
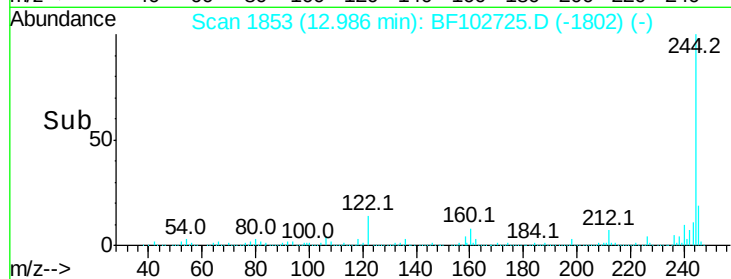
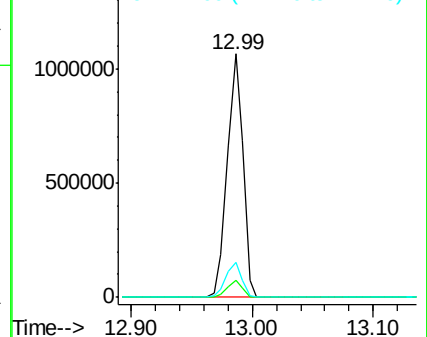
122 14.2 11.0 16.4



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: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.01 min

Lab File: BF102725.D

Acq: 3 Feb 2018 18:57

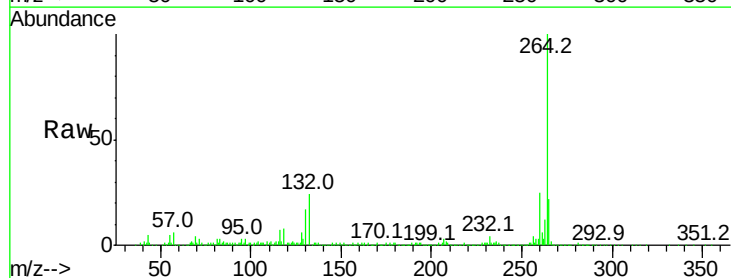
Tgt Ion:264 Resp: 367741

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

265 21.8 17.5 26.3



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

