

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122718\
 Data File : BF111767.D
 Acq On : 27 Dec 2018 17:25
 Operator : JU/SJ
 Sample : J6426-19 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS020-0002-01

Quant Time: Dec 28 06:56:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	135850	20.00	ng	0.01
21) Naphthalene-d8	8.19	136	460651	20.00	ng	0.01
39) Acenaphthene-d10	9.95	164	208363	20.00	ng	0.01
64) Phenanthrene-d10	11.43	188	377078	20.00	ng	0.02
76) Chrysene-d12	14.08	240	317602	20.00	ng	0.03
87) Perylene-d12	15.59	264	228678	20.00	ng	0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	366107	45.94	ng	0.03
7) Phenol-d6	6.55	99	435281	42.91	ng	0.03
23) Nitrobenzene-d5	7.46	82	270522	34.18	ng	0.00
42) 2,4,6-Tribromophenol	10.74	330	113661	46.17	ng	0.02
45) 2-Fluorobiphenyl	9.26	172	497926	34.83	ng	0.00
79) Terphenyl-d14	13.02	244	526009	31.41	ng	0.02

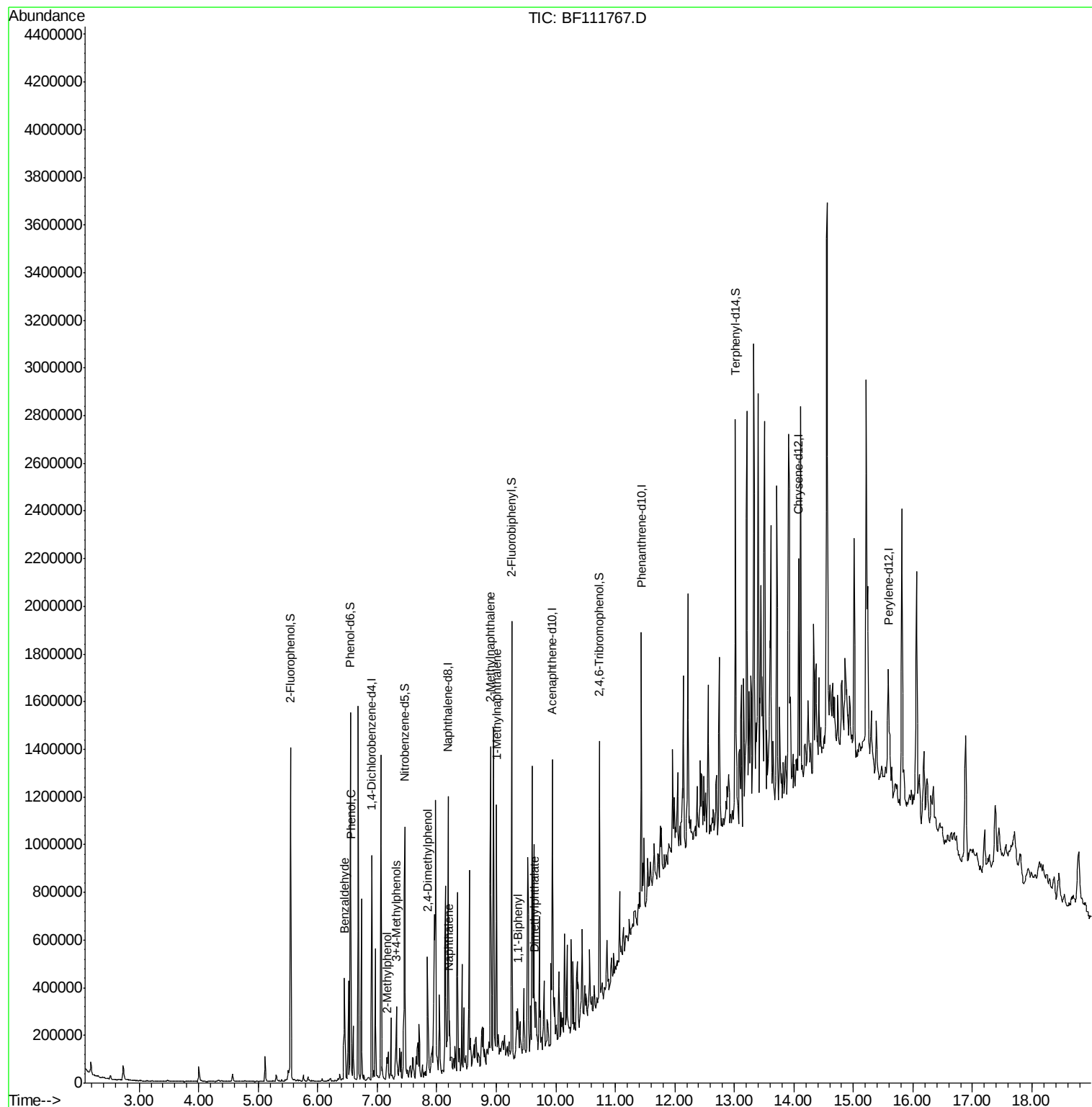
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	89451	12.823	ng	96
10) Phenol	6.56	94	69287	6.054	ng	98
17) 2-Methylphenol	7.17	107	16436	2.325	ng	94
20) 3+4-Methylphenols	7.32	107	96595	10.814	ng	# 63
27) 2,4-Dimethylphenol	7.85	122	95290	14.370	ng	88
31) Naphthalene	8.21	128	65457	2.957	ng	97
37) 2-Methylnaphthalene	8.90	142	296314	20.577	ng	99
38) 1-Methylnaphthalene	9.00	142	236492	17.100	ng	98
46) 1,1'-Biphenyl	9.36	154	54104	3.076	ng	95
50) Dimethylphthalate	9.65	163	65269	4.284	ng	# 99

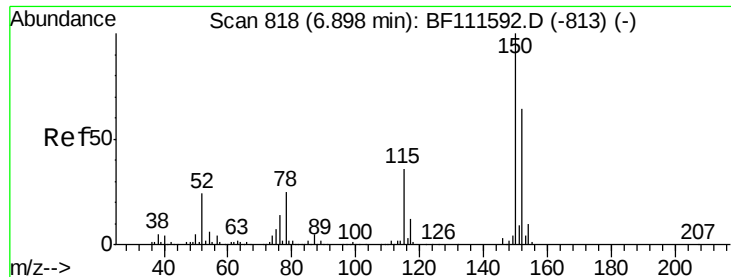
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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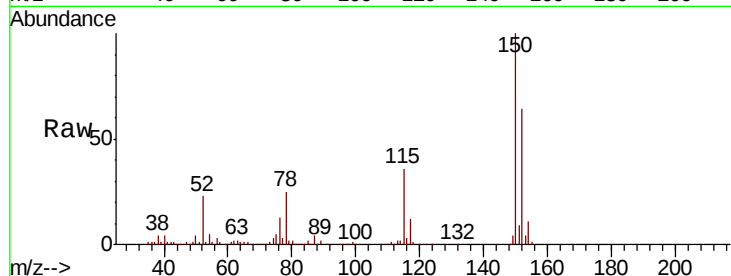


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.91 min Scan# 820
 Delta R.T. 0.01 min
 Lab File: BF111767.D
 Acq: 27 Dec 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS020-0002-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	126.6	189.8
115	56.5	50.7	76.1

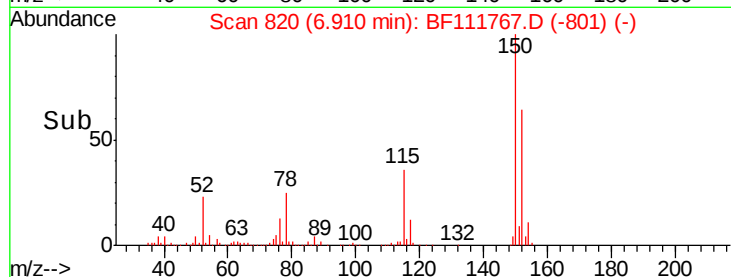
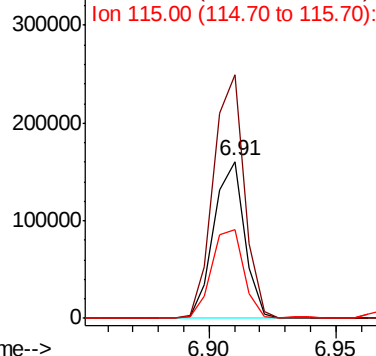


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

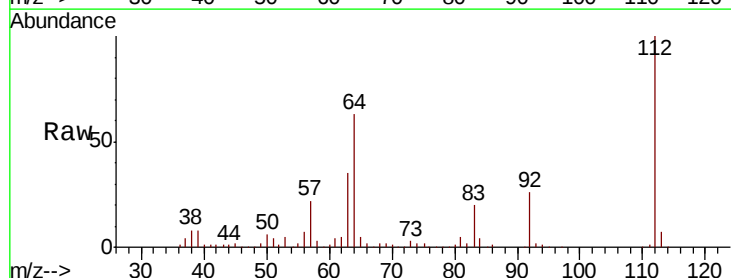
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 45.936 ng
 RT: 5.55 min Scan# 588
 Delta R.T. 0.03 min
 Lab File: BF111767.D
 Acq: 27 Dec 2018 17:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	51.8	77.6
63	35.1	26.8	40.2

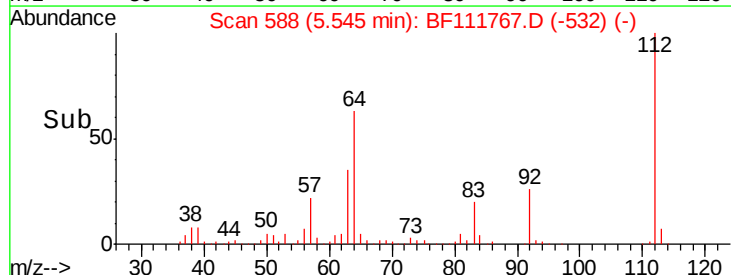
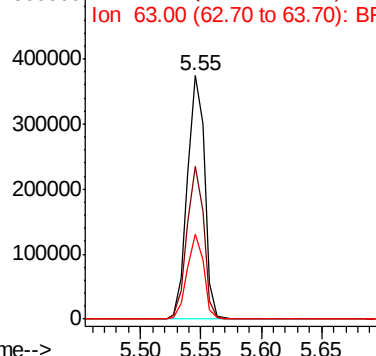


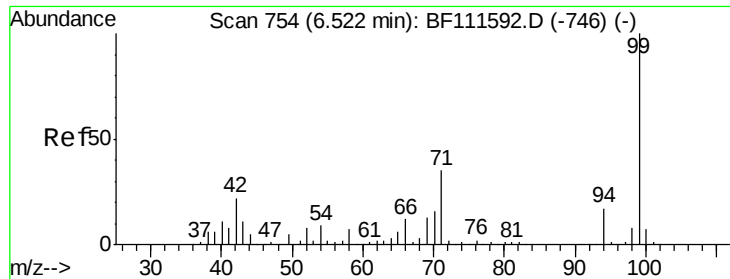
Abundance

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: 42.915 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.03 min

Lab File: BF111767.D

Acq: 27 Dec 2018 17:25

Instrument :

BNA_F

ClientSampleId :

P001-SS020-0002-01

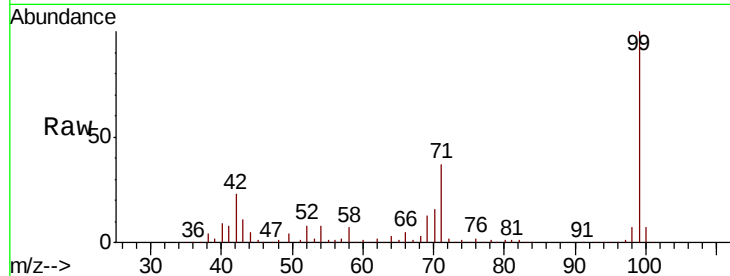
Tot Ion: 99 Resp: 435281

Ion Ratio Lower Upper

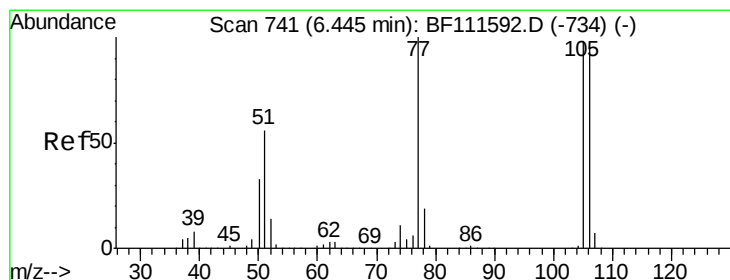
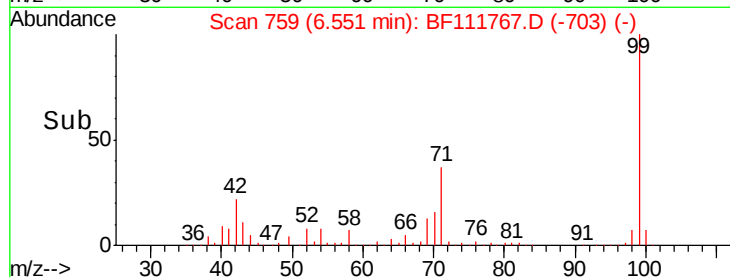
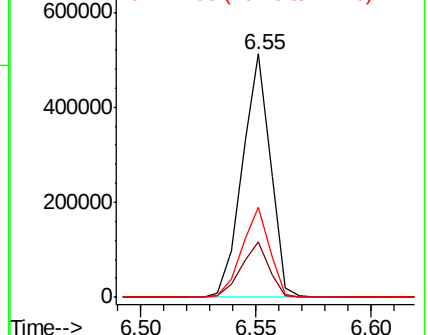
99 100

42 22.6 17.4 26.0

71 37.1 26.1 39.1



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



#9

Benzaldehyde

Concen: 12.823 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF111767.D

Acq: 27 Dec 2018 17:25

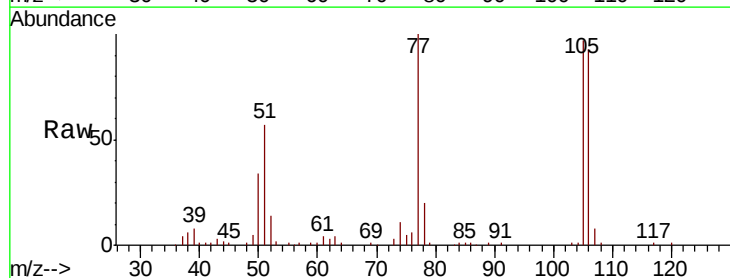
Tgt Ion: 77 Resp: 89451

Ion Ratio Lower Upper

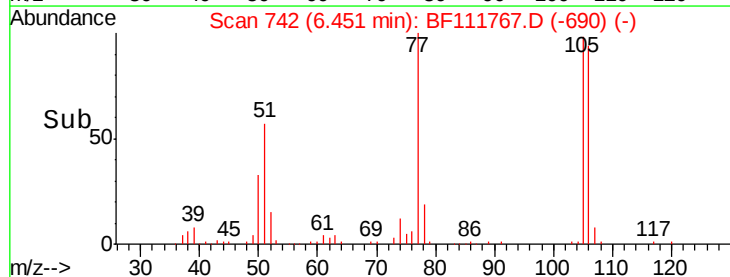
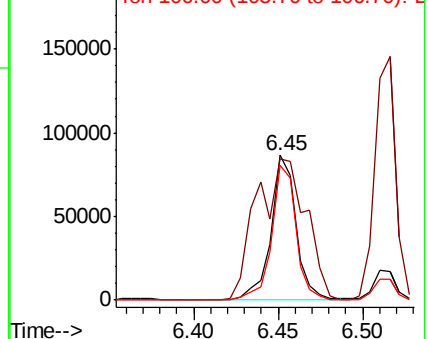
77 100

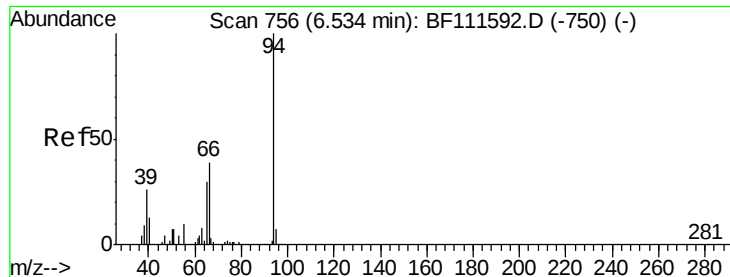
105 97.3 81.4 121.4

106 93.2 77.9 117.9



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 6.054 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.03 min

Lab File: BF111767.D

Acq: 27 Dec 2018 17:25

Instrument :

BNA_F

ClientSampleId :

P001-SS020-0002-01

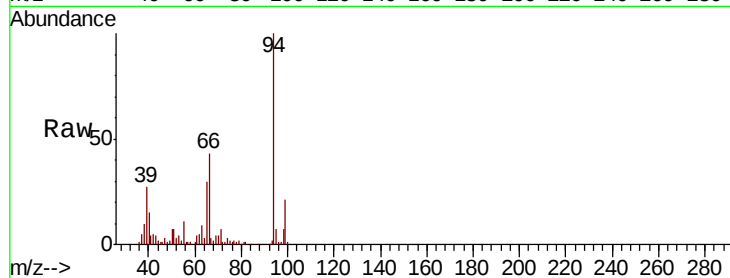
Tot Ion: 94 Resp: 69287

Ion Ratio Lower Upper

94 100

65 30.5 11.7 51.7

66 42.6 21.0 61.0



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

120000

100000

80000

60000

40000

20000

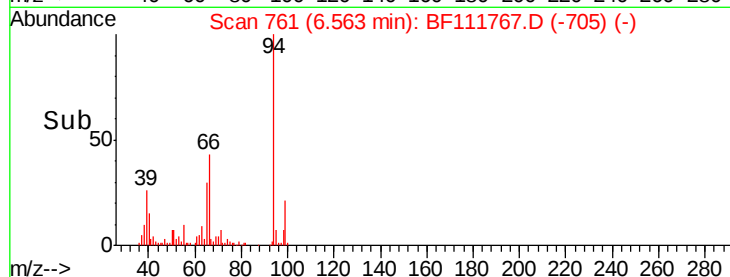
0

6.50

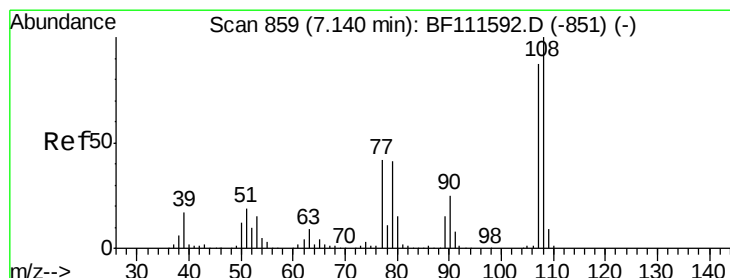
6.55

6.60

6.65



Time-->



#17

2-Methylphenol

Concen: 2.325 ng

RT: 7.17 min Scan# 864

Delta R.T. 0.03 min

Lab File: BF111767.D

Acq: 27 Dec 2018 17:25

Tgt Ion: 107 Resp: 16436

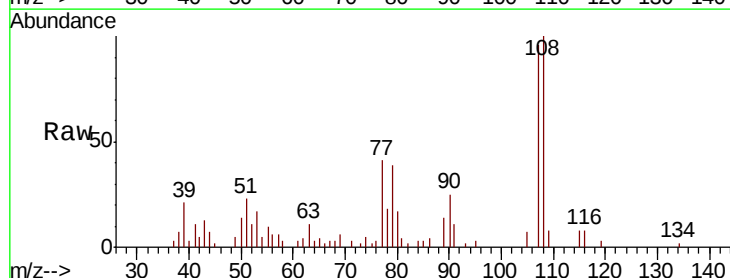
Ion Ratio Lower Upper

107 100

108 104.1 91.0 136.4

77 42.6 33.5 50.3

79 41.0 33.3 49.9



Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

25000

20000

15000

10000

5000

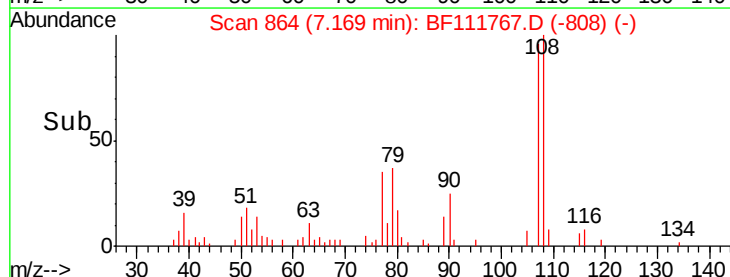
0

7.15

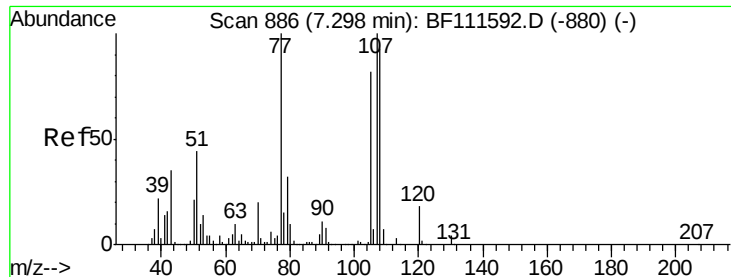
7.20

7.25

7.30



Time-->



#20

3+4-Methylphenols

Concen: 10.814 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.02 min

Lab File: BF111767.D

Acq: 27 Dec 2018 17:25

Instrument :

BNA_F

ClientSampleId :

P001-SS020-0002-01

Tot Ion:107 Resp: 96595

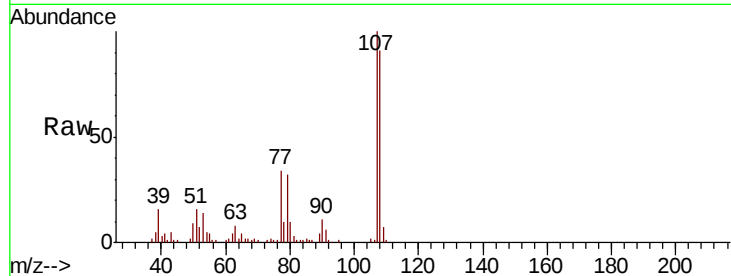
Ion Ratio Lower Upper

107 100

108 91.0 72.1 112.1

77 33.8 94.1 134.1#

79 31.9 9.8 49.8

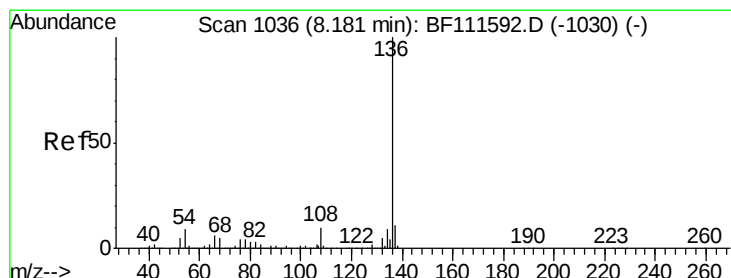
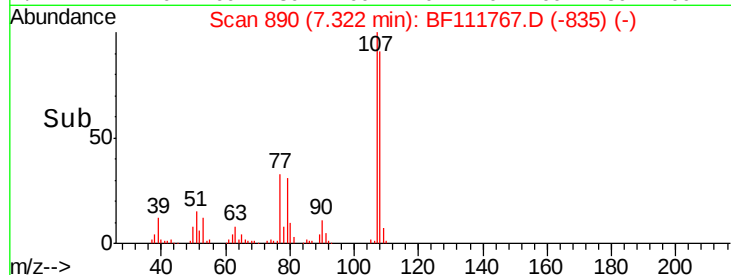
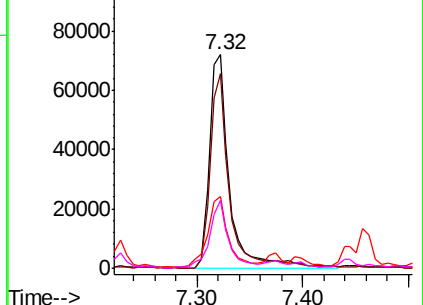


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1038

Delta R.T. 0.01 min

Lab File: BF111767.D

Acq: 27 Dec 2018 17:25

Tgt Ion:136 Resp: 460651

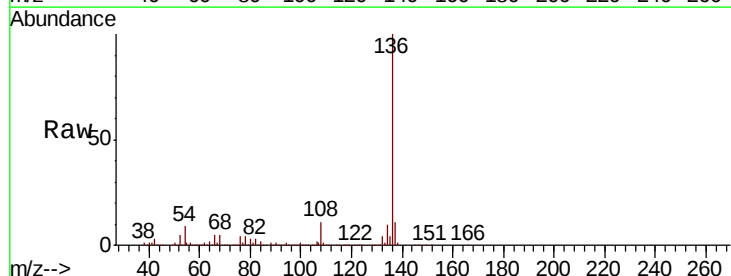
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 8.6 7.7 11.5

68 4.8 4.9 7.3#

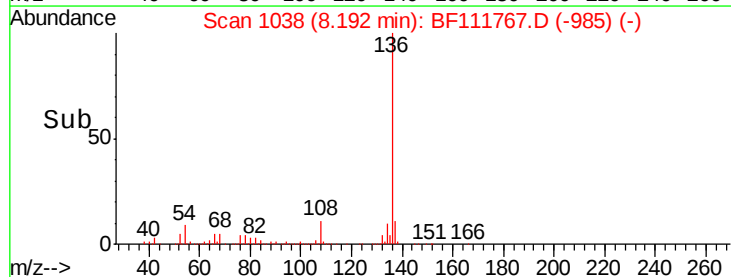
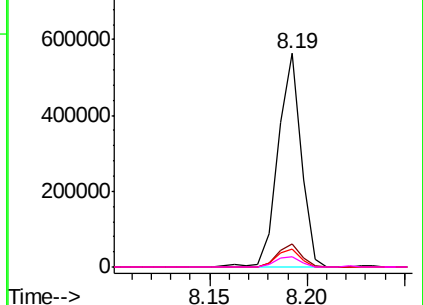


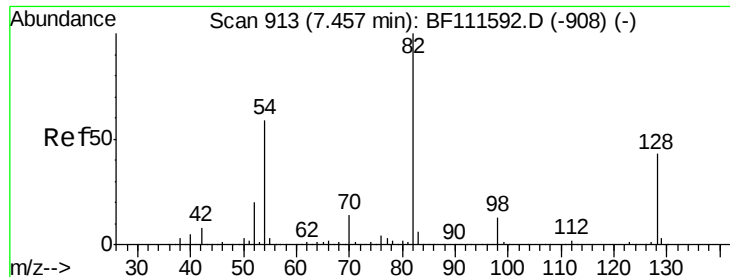
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

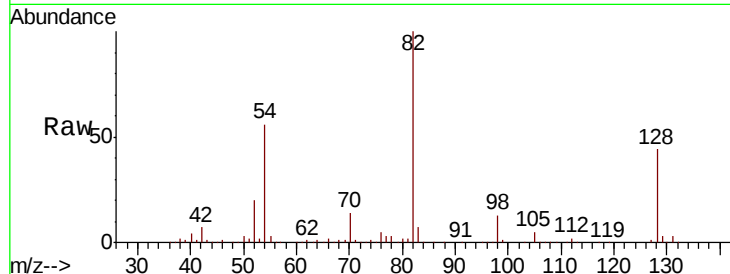




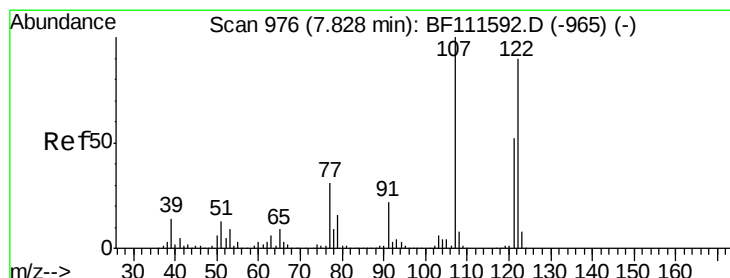
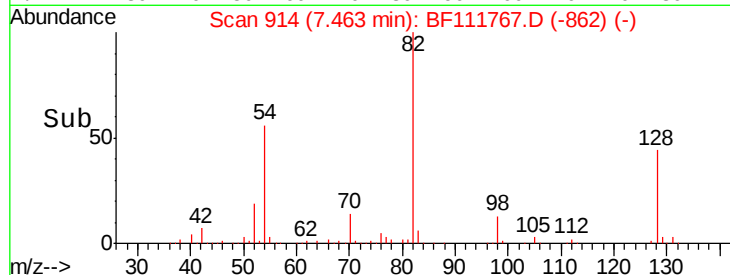
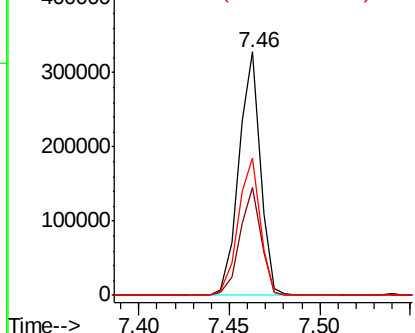
#23
 Nitrobenzene-d5
 Concen: 34.183 ng
 RT: 7.46 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: BF111767.D
 Acq: 27 Dec 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS020-0002-01

Tot Ion: 82 Resp: 270522
 Ion Ratio Lower Upper
 82 100
 128 44.5 37.4 56.2
 54 56.4 47.6 71.4

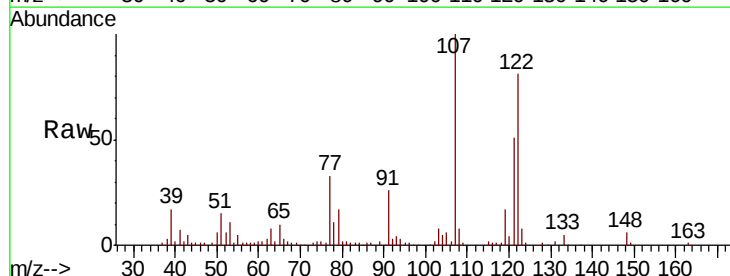


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

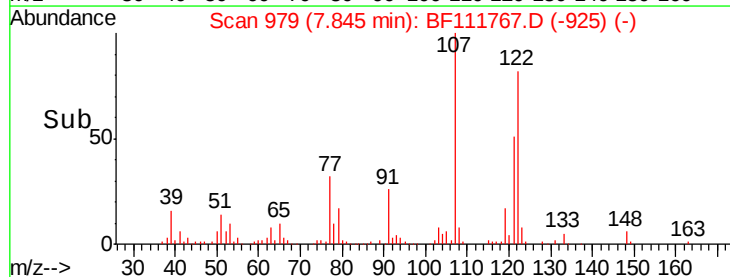
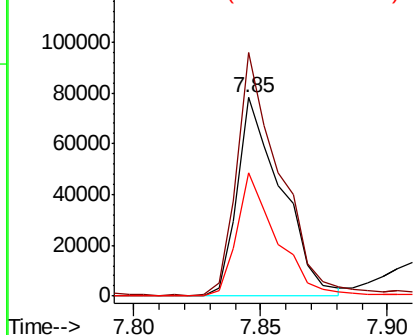


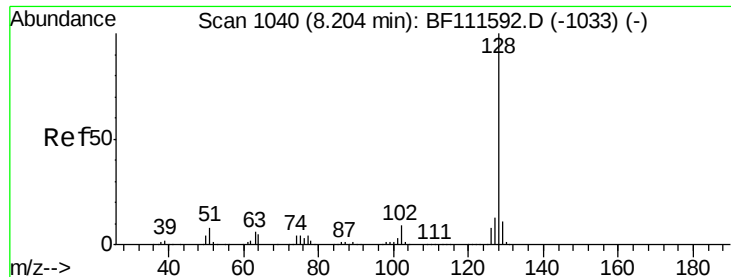
#27
 2,4-Dimethylphenol
 Concen: 14.370 ng
 RT: 7.85 min Scan# 979
 Delta R.T. 0.02 min
 Lab File: BF111767.D
 Acq: 27 Dec 2018 17:25

Tgt Ion:122 Resp: 95290
 Ion Ratio Lower Upper
 122 100
 107 122.8 85.5 128.3
 121 62.3 46.6 70.0



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

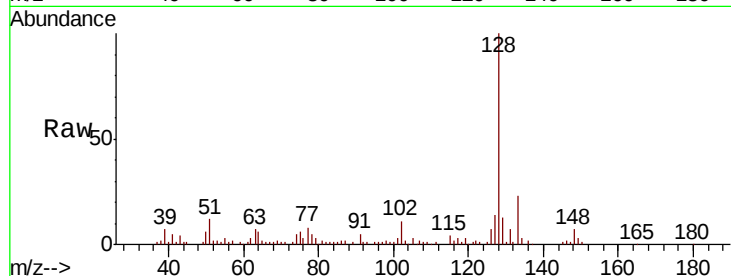




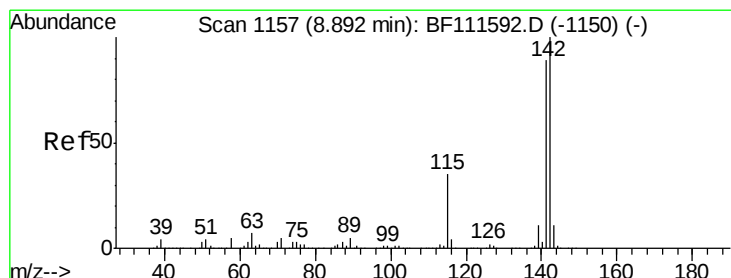
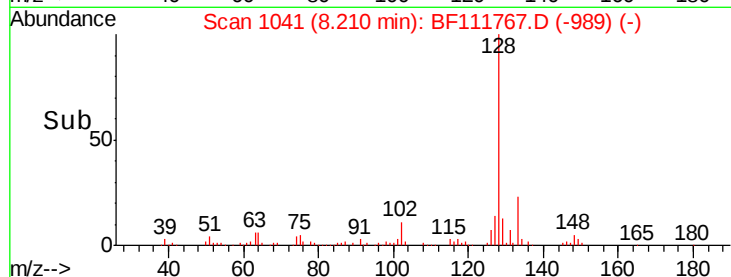
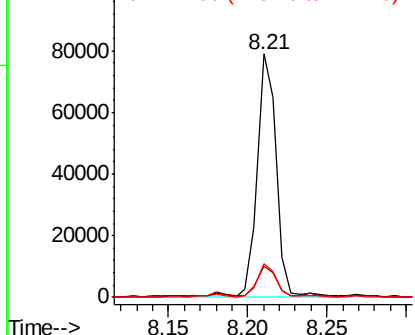
#31
Naphthalene
Concen: 2.957 ng
RT: 8.21 min Scan# 1041
Delta R.T. 0.01 min
Lab File: BF111767.D
Acq: 27 Dec 2018 17:25

Instrument :
BNA_F
ClientSampleId :
P001-SS020-0002-01

Tot Ion:128 Resp: 65457
Ion Ratio Lower Upper
128 100
129 13.0 9.8 14.8
127 13.6 12.0 18.0

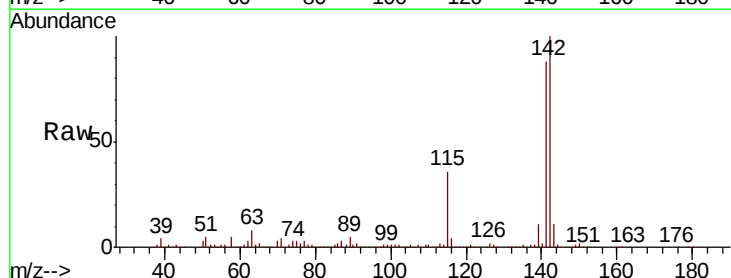


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

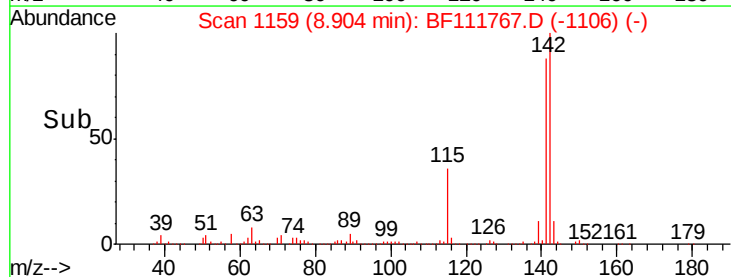
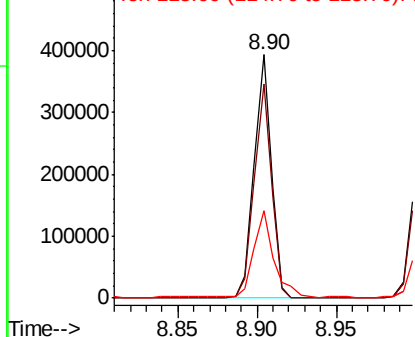


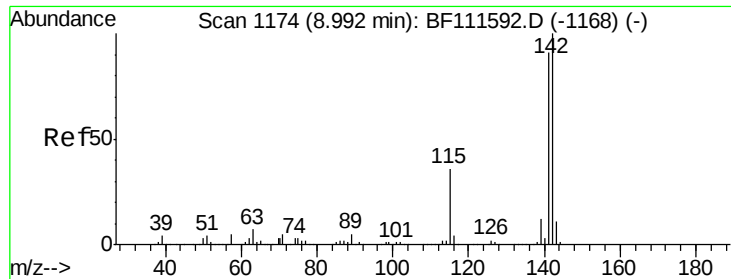
#37
2-Methylnaphthalene
Concen: 20.577 ng
RT: 8.90 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF111767.D
Acq: 27 Dec 2018 17:25

Tgt Ion:142 Resp: 296314
Ion Ratio Lower Upper
142 100
141 88.0 70.6 105.8
115 36.1 27.0 40.6



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

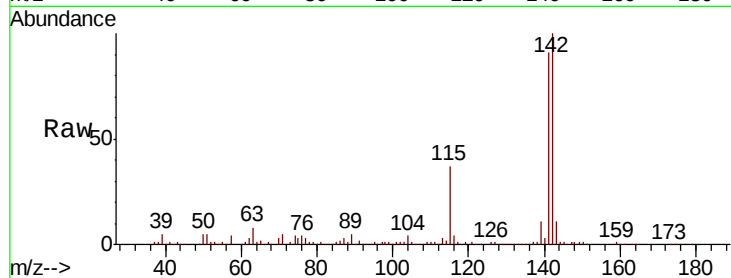




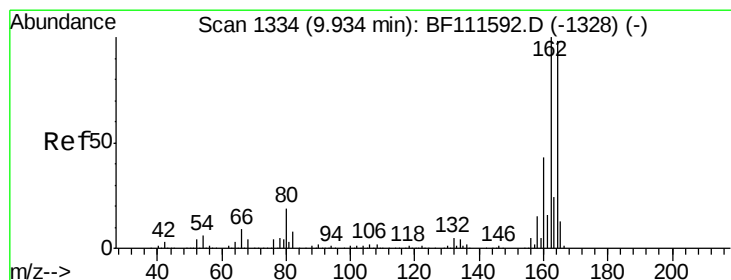
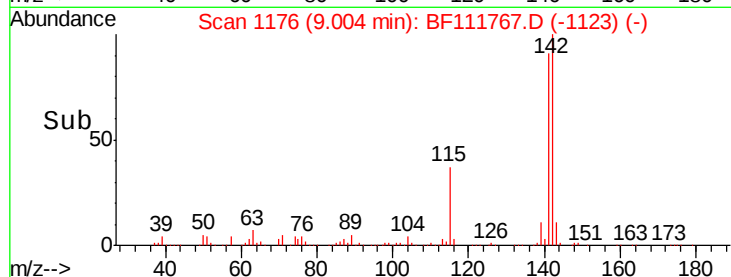
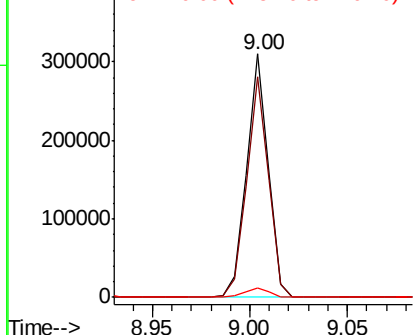
#38
1-Methylnaphthalene
Concen: 17.100 ng
RT: 9.00 min Scan# 1176
Delta R.T. 0.01 min
Lab File: BF111767.D
Acq: 27 Dec 2018 17:25

Instrument :
BNA_F
ClientSampleId :
P001-SS020-0002-01

Tot Ion:142 Resp: 236492
Ion Ratio Lower Upper
142 100
141 90.7 74.2 111.4
116 3.8 2.9 4.3

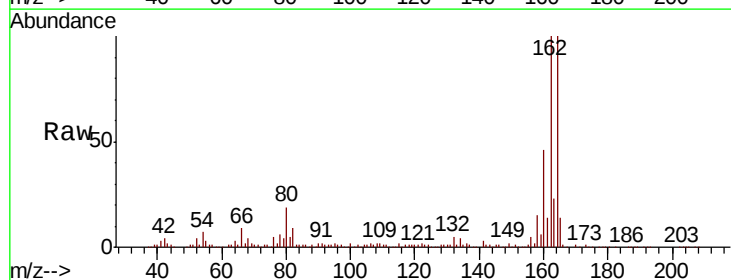


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

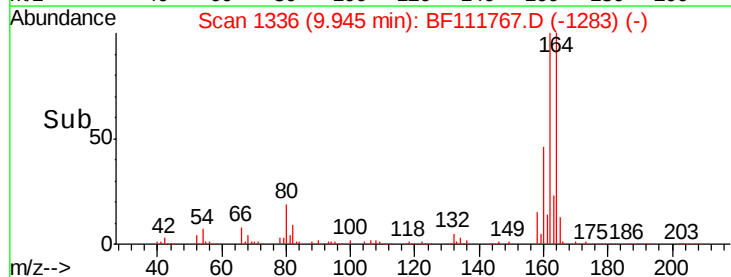
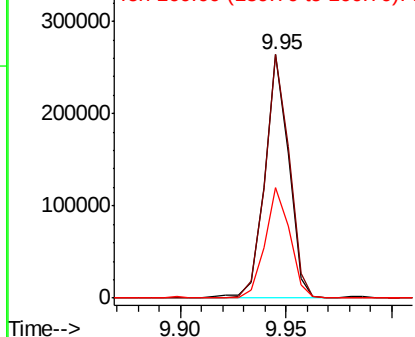


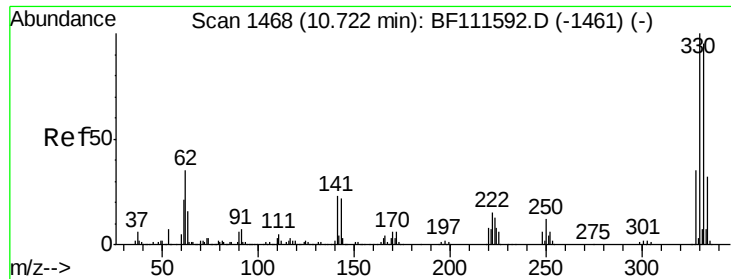
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BF111767.D
Acq: 27 Dec 2018 17:25

Tgt Ion:164 Resp: 208363
Ion Ratio Lower Upper
164 100
162 99.8 81.4 122.0
160 45.6 35.7 53.5



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

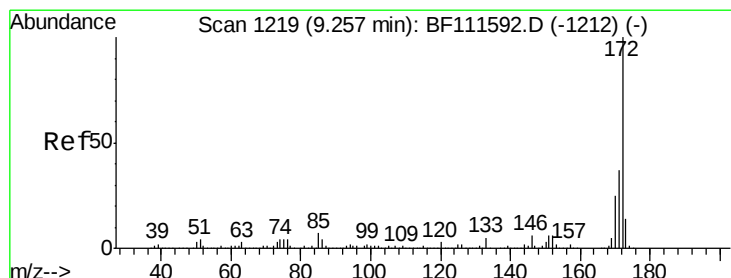
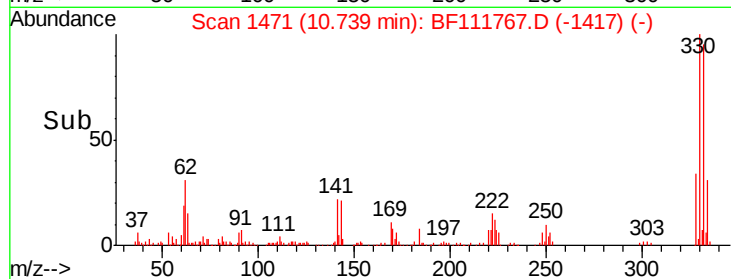
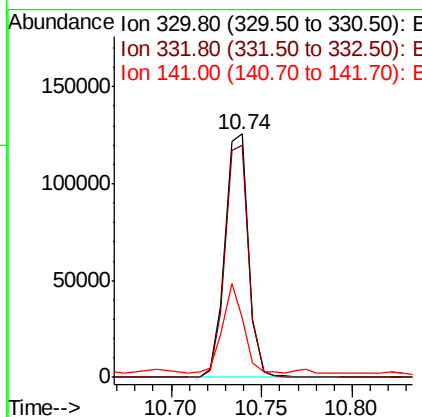
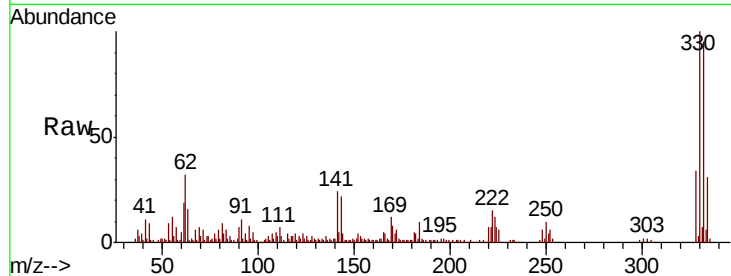




#42
 2,4,6-Tribromophenol
 Concen: 46.167 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. 0.02 min
 Lab File: BF111767.D
 Acq: 27 Dec 2018 17:25

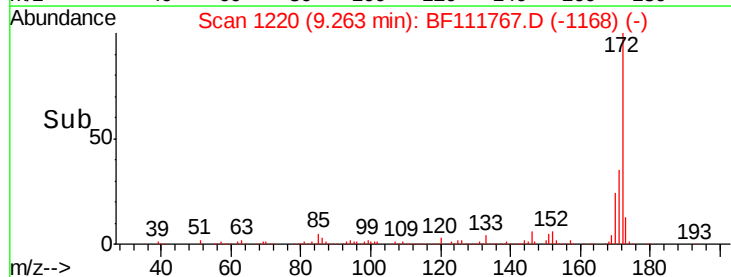
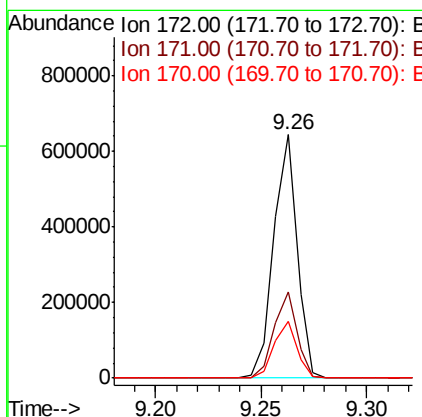
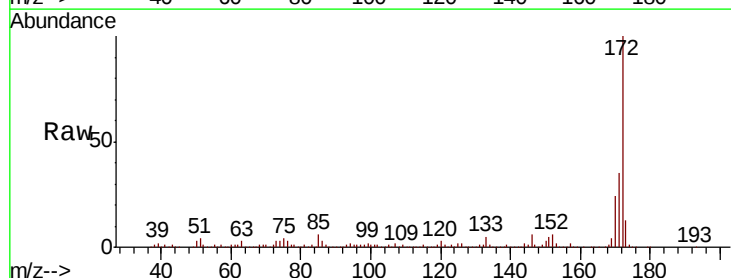
Instrument :
 BNA_F
 ClientSampleId :
 P001-SS020-0002-01

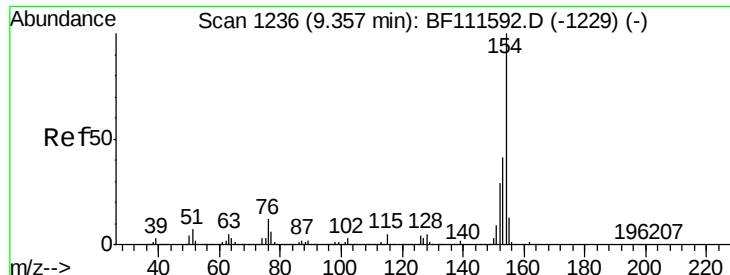
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.0	114.0
141	32.9	31.0	46.6



#45
 2-Fluorobiphenyl
 Concen: 34.832 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: BF111767.D
 Acq: 27 Dec 2018 17:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	33.0	49.4
170	23.5	22.3	33.5

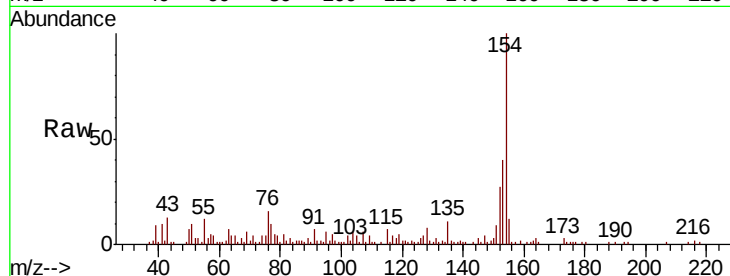




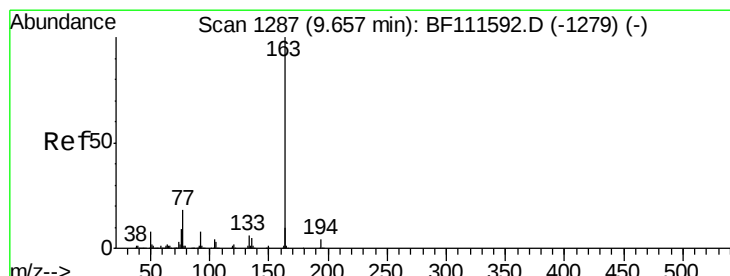
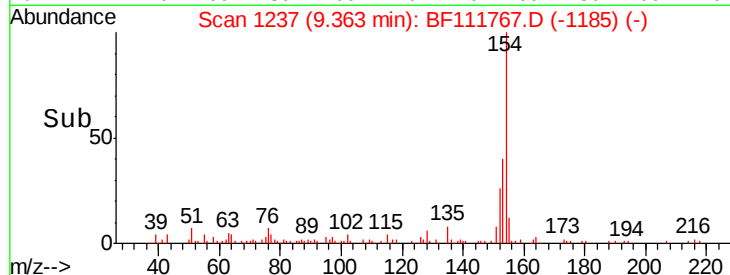
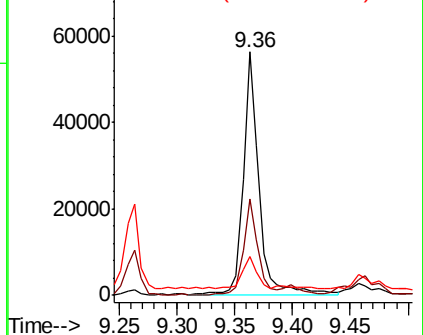
#46
 1,1'-Biphenyl
 Concen: 3.076 ng
 RT: 9.36 min Scan# 1237
 Delta R.T. 0.01 min
 Lab File: BF111767.D
 Acq: 27 Dec 2018 17:25

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS020-0002-01

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.8	23.7	63.7
76	15.7	0.0	35.0

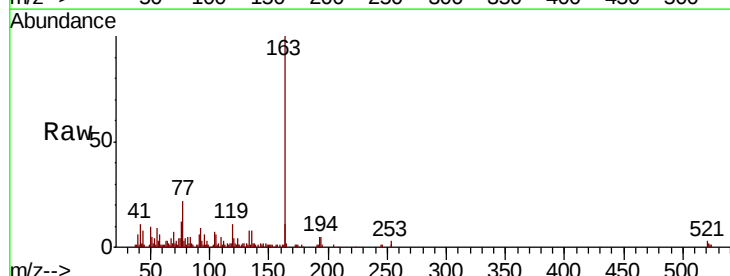


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

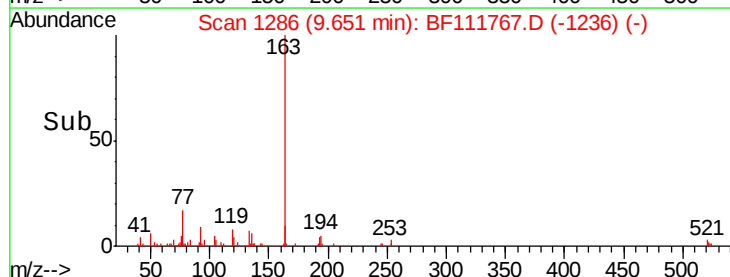
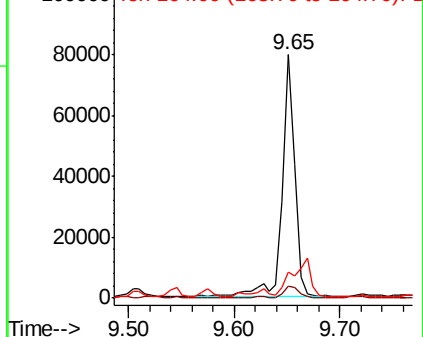


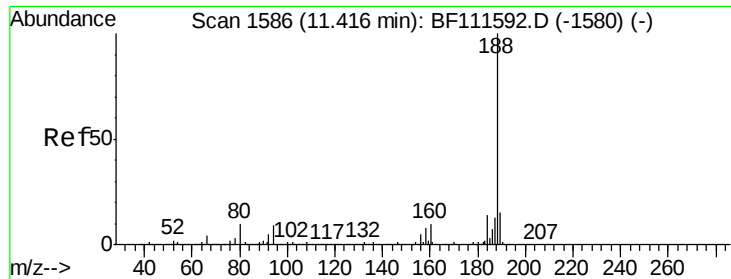
#50
 Dimethylphthalate
 Concen: 4.284 ng
 RT: 9.65 min Scan# 1286
 Delta R.T. -0.01 min
 Lab File: BF111767.D
 Acq: 27 Dec 2018 17:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.0	4.6#
164	10.9	8.9	13.3



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.02 min

Lab File: BF111767.D

Acq: 27 Dec 2018 17:25

Instrument :

BNA_F

ClientSampleId :

P001-SS020-0002-01

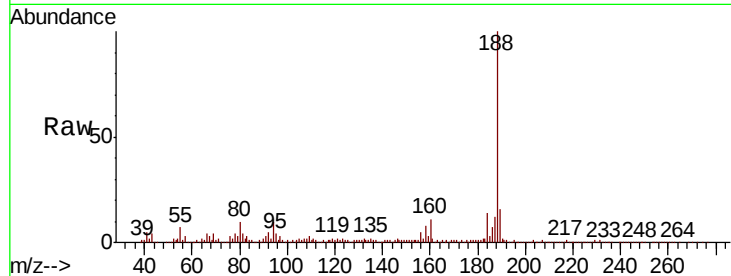
Tot Ion:188 Resp: 377078

Ion Ratio Lower Upper

188 100

94 9.7 9.6 14.4

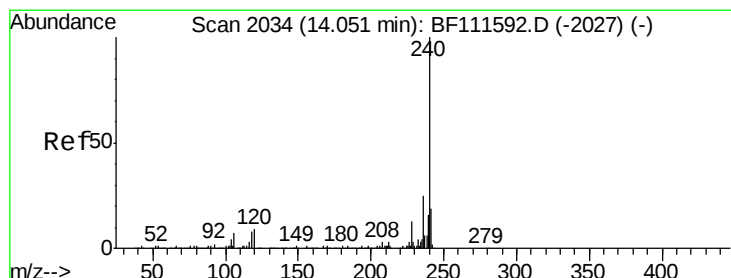
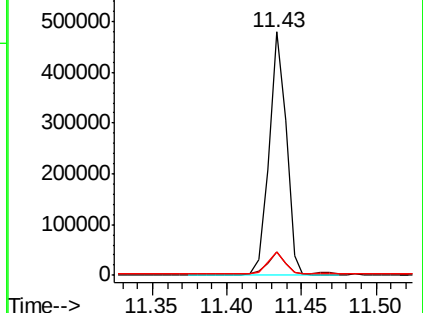
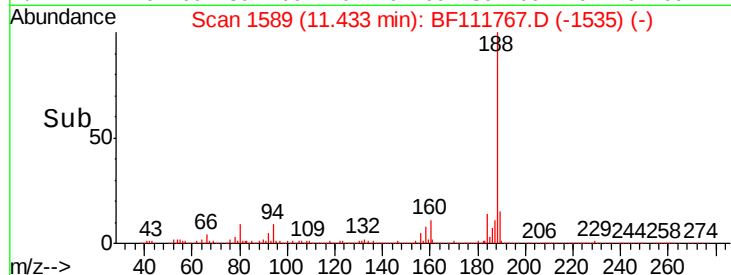
80 9.8 9.8 14.6#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.03 min

Lab File: BF111767.D

Acq: 27 Dec 2018 17:25

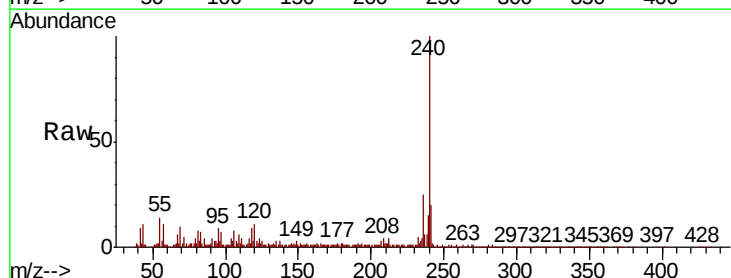
Tgt Ion:240 Resp: 317602

Ion Ratio Lower Upper

240 100

120 10.8 12.2 18.2#

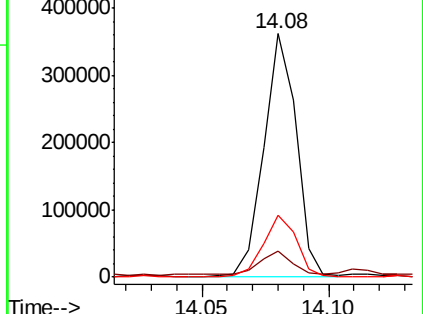
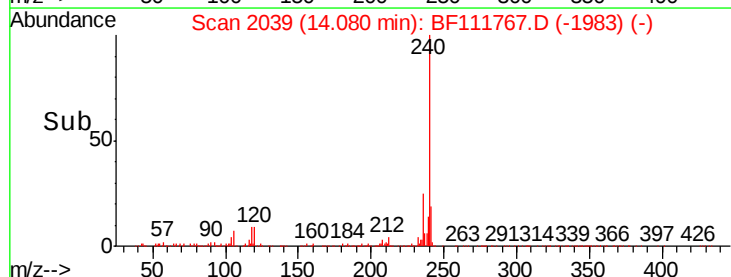
236 25.4 20.2 30.2

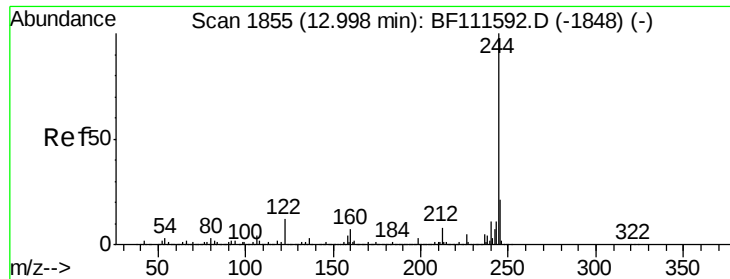


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 31.408 ng

RT: 13.02 min Scan# 1859

Delta R.T. 0.02 min

Lab File: BF111767.D

Acq: 27 Dec 2018 17:25

Instrument :

BNA_F

ClientSampleId :

P001-SS020-0002-01

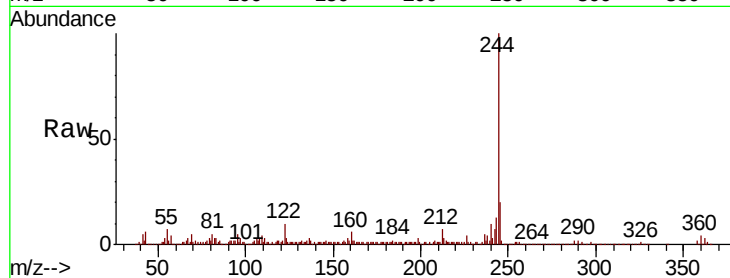
Tot Ion:244 Resp: 526009

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

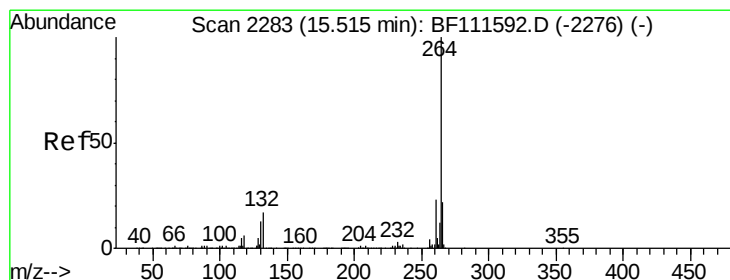
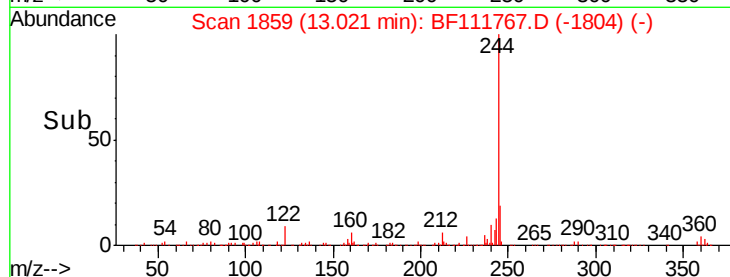
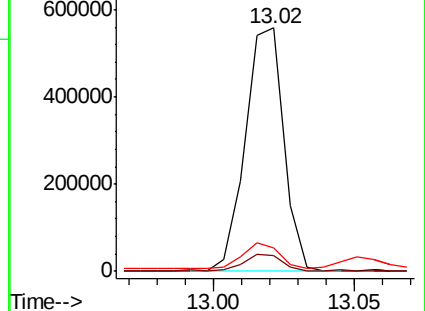
122 9.6 13.1 19.7#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.59 min Scan# 2295

Delta R.T. 0.07 min

Lab File: BF111767.D

Acq: 27 Dec 2018 17:25

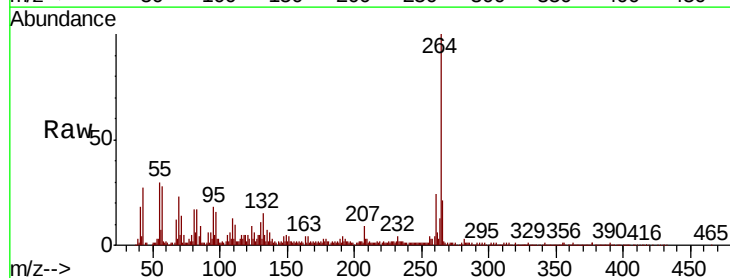
Tgt Ion:264 Resp: 228678

Ion Ratio Lower Upper

264 100

260 23.8 18.3 27.5

265 21.0 17.7 26.5



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

