

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
 Data File : BF111880.D
 Acq On : 7 Jan 2019 16:59
 Operator : JU/SJ
 Sample : K1053-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-DRUM

Quant Time: Jan 08 05:55:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	131040	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	550298	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	219457	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	383122	20.00	ng	0.00
76) Chrysene-d12	14.05	240	335175	20.00	ng	0.00
87) Perylene-d12	15.53	264	431216	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	403954	52.74	ng	0.02
7) Phenol-d6	6.55	99	293012	29.68	ng	0.01
23) Nitrobenzene-d5	7.46	82	727585	70.66	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	314300	110.11	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1308739	86.96	ng	0.00
79) Terphenyl-d14	13.00	244	1308344	74.10	ng	0.00

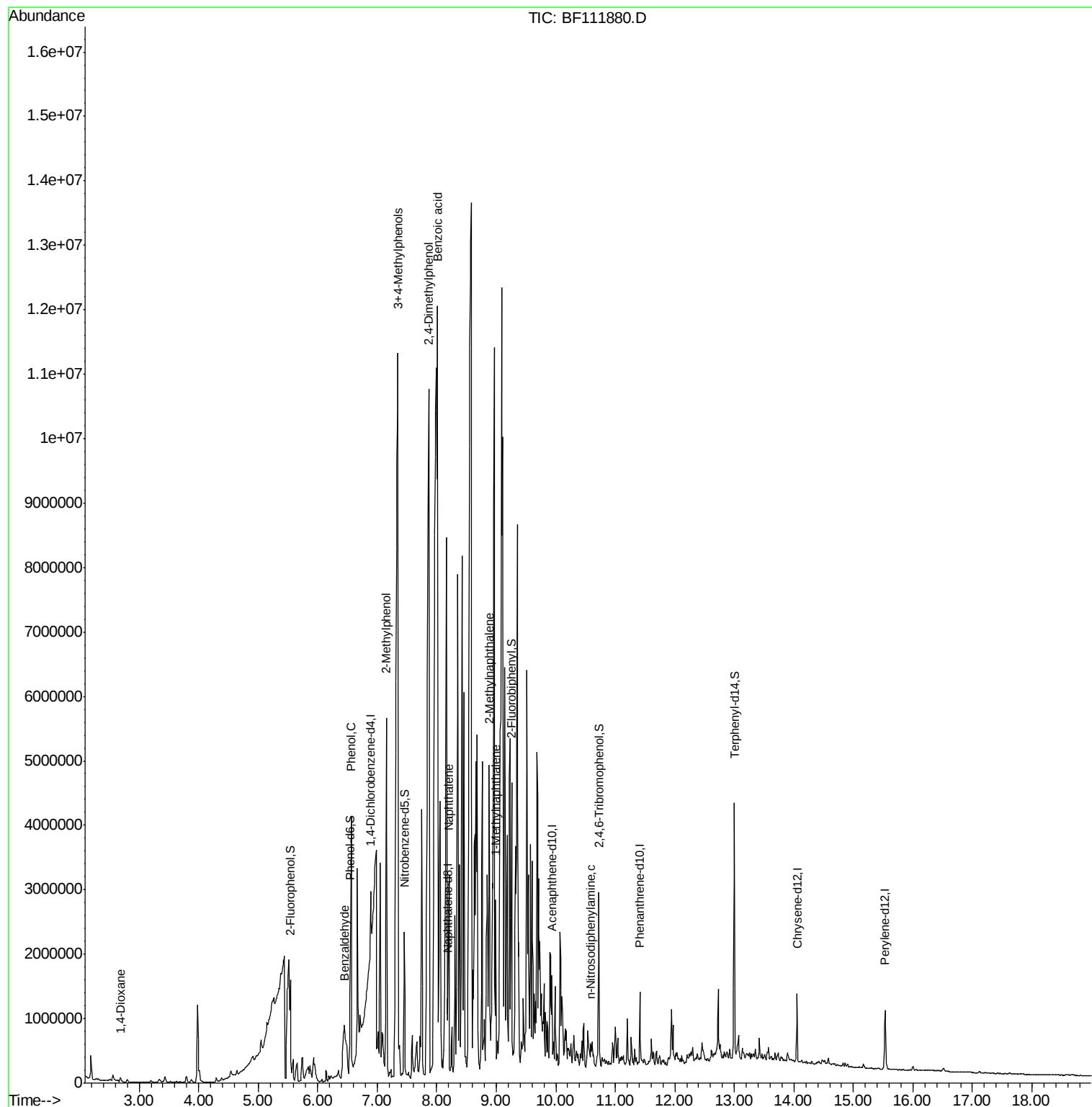
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.69	88	20406	6.093	ng	# 54
9) Benzaldehyde	6.44	77	35406	4.177	ng	# 99
10) Phenol	6.56	94	1489231	138.794	ng	# 77
17) 2-Methylphenol	7.16	107	972403	142.255	ng	# 99
20) 3+4-Methylphenols	7.35	107	5777285	679.093	ng	# 68
27) 2,4-Dimethylphenol	7.86	122	4264662	575.122	ng	# 97
31) Naphthalene	8.20	128	1177466	45.074	ng	# 100
32) Benzoic acid	8.02	122	6309511	1311.192	ng	# 15
37) 2-Methylnaphthalene	8.89	142	155678	9.618	ng	# 94
38) 1-Methylnaphthalene	8.99	142	98670	6.355	ng	# 98
66) n-Nitrosodiphenylamine	10.58	169	66378	5.163	ng	# 96

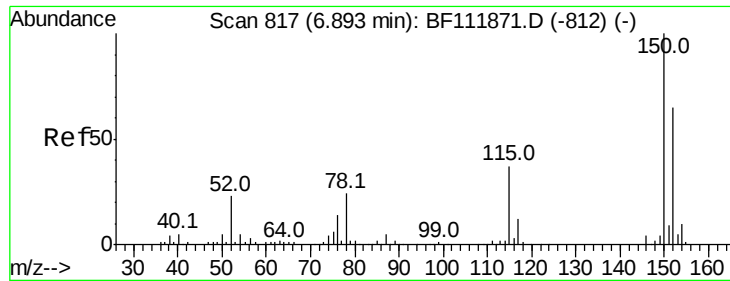
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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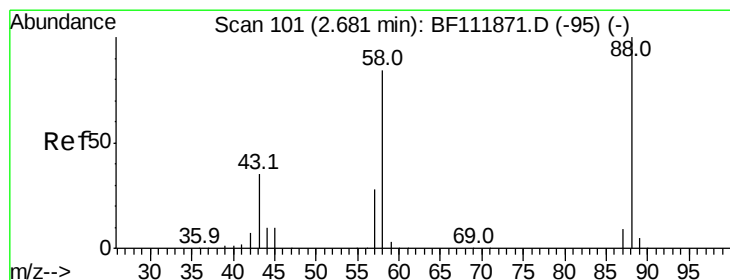
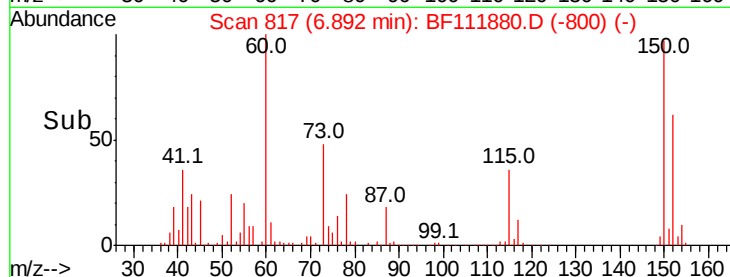
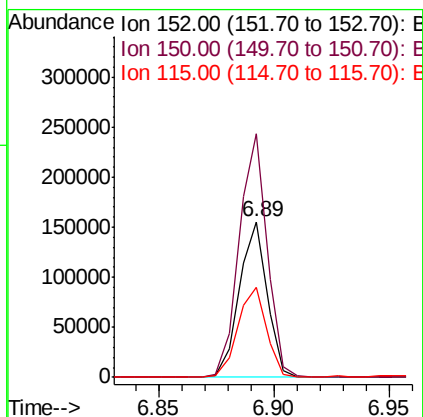
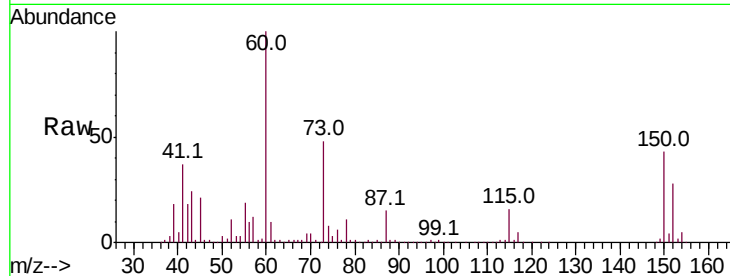


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF111880.D
Acq: 7 Jan 2019 16:59

Instrument :
BNA_F
ClientSampleId :
COMP-1-DRUM

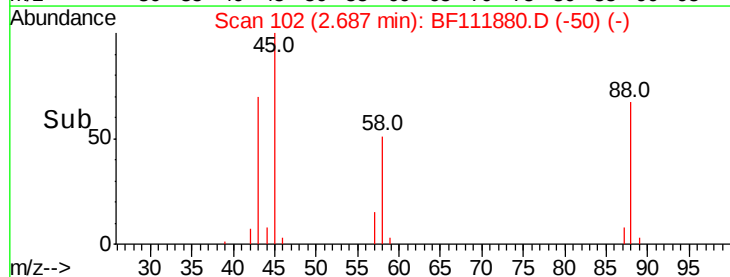
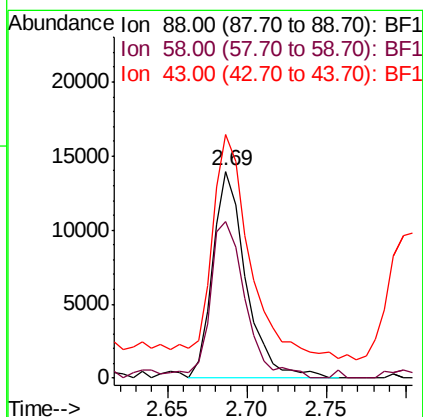
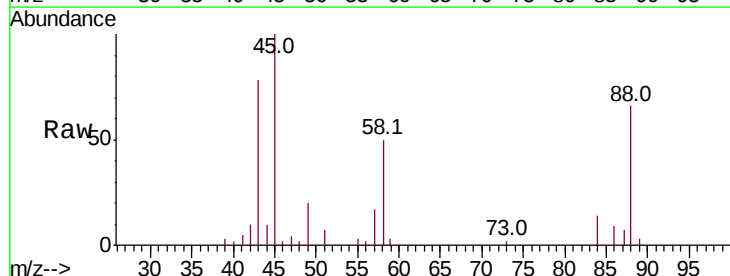
Tot Ion:152 Resp: 131040
Ion Ratio Lower Upper
152 100
150 156.3 122.7 184.1
115 57.9 45.2 67.8

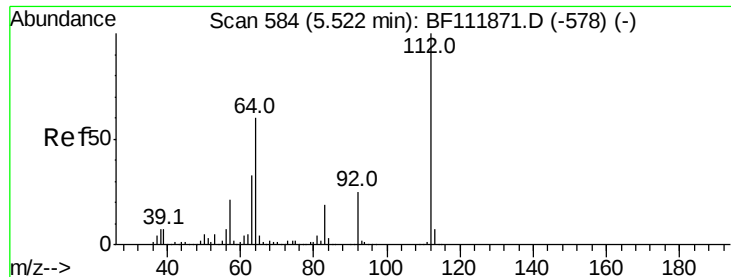


#2

1,4-Dioxane
Concen: 6.093 ng
RT: 2.69 min Scan# 102
Delta R.T. 0.01 min
Lab File: BF111880.D
Acq: 7 Jan 2019 16:59

Tgt Ion: 88 Resp: 20406
Ion Ratio Lower Upper
88 100
58 80.4 67.6 101.4
43 121.3 29.0 43.6#





#5

2-Fluorophenol

Concen: 52.739 ng

RT: 5.54 min Scan# 587

Delta R.T. 0.02 min

Lab File: BF111880.D

Acq: 7 Jan 2019 16:59

Instrument :

BNA_F

ClientSampleId :

COMP-1-DRUM

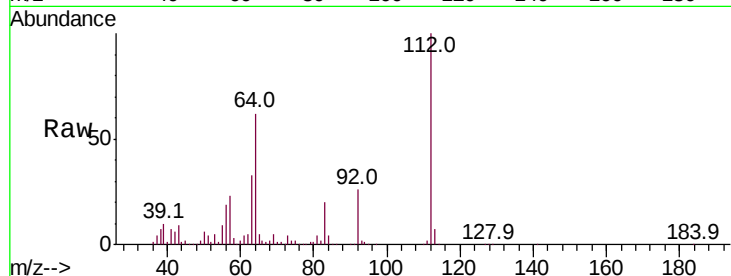
Tot Ion:112 Resp: 403954

Ion Ratio Lower Upper

112 100

64 62.5 48.3 72.5

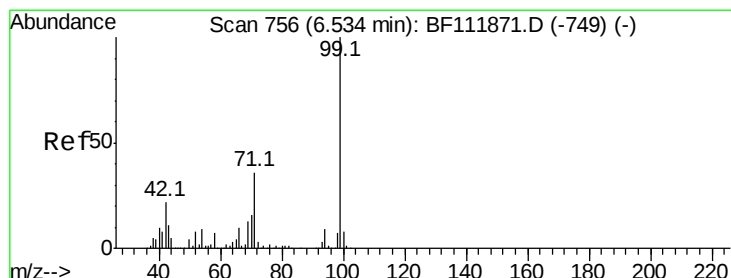
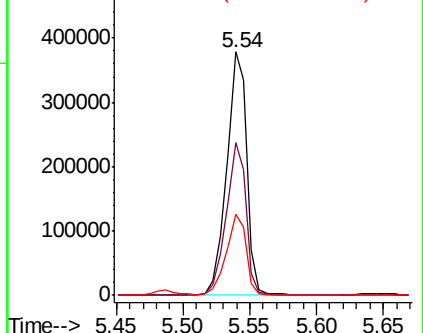
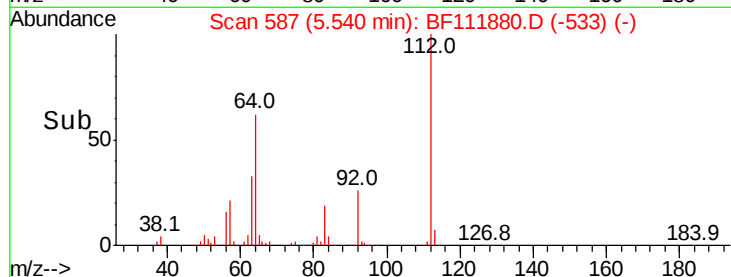
63 33.5 26.1 39.1



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: 29.681 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF111880.D

Acq: 7 Jan 2019 16:59

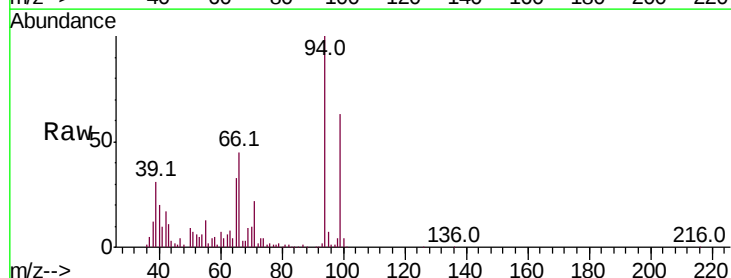
Tgt Ion: 99 Resp: 293012

Ion Ratio Lower Upper

99 100

42 26.3 17.9 26.9

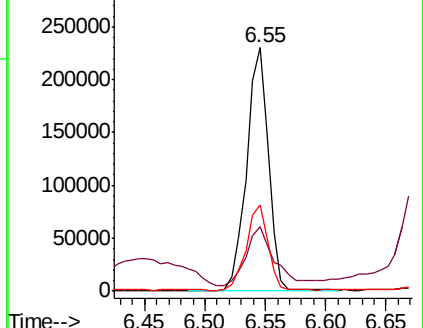
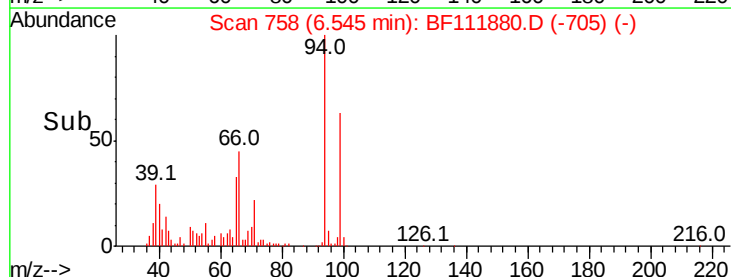
71 35.6 28.7 43.1

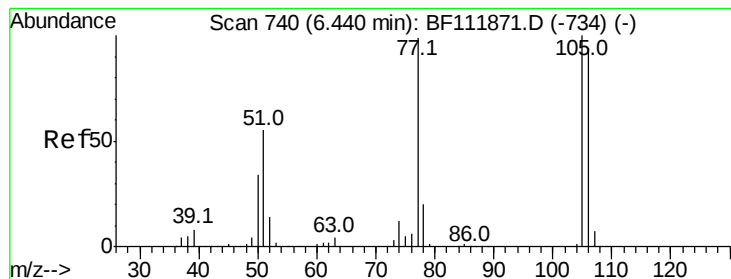


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 4.177 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111880.D

Acq: 7 Jan 2019 16:59

Instrument :

BNA_F

ClientSampleId :

COMP-1-DRUM

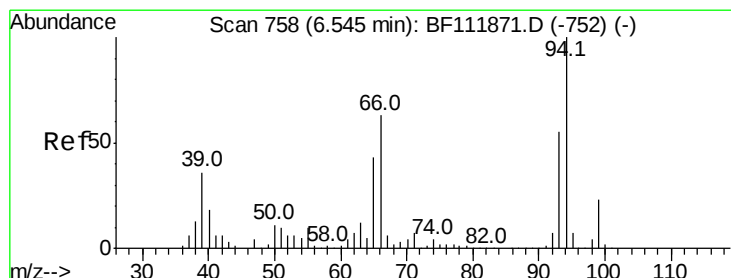
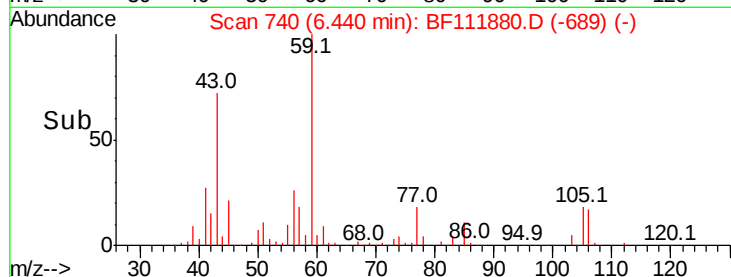
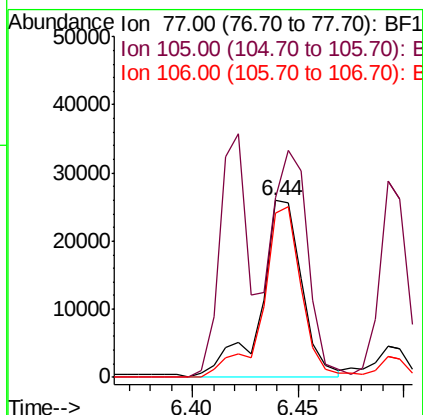
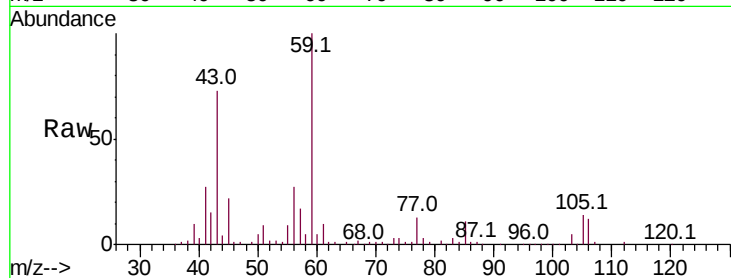
Tot Ion: 77 Resp: 35406

Ion Ratio Lower Upper

77 100

105 101.7 80.6 120.6

106 93.0 74.6 114.6



#10

Phenol

Concen: 138.794 ng

RT: 6.56 min Scan# 761

Delta R.T. 0.02 min

Lab File: BF111880.D

Acq: 7 Jan 2019 16:59

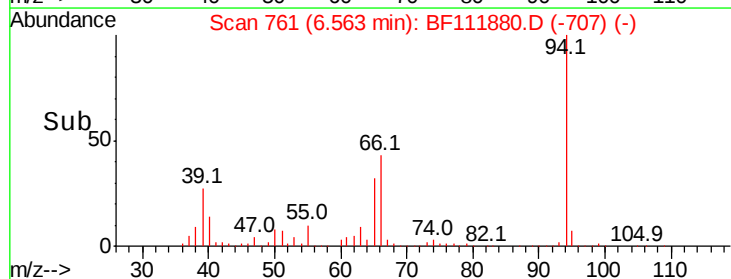
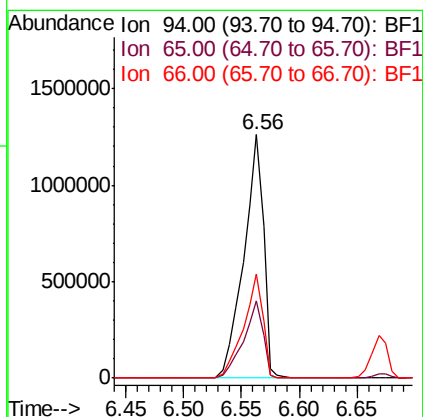
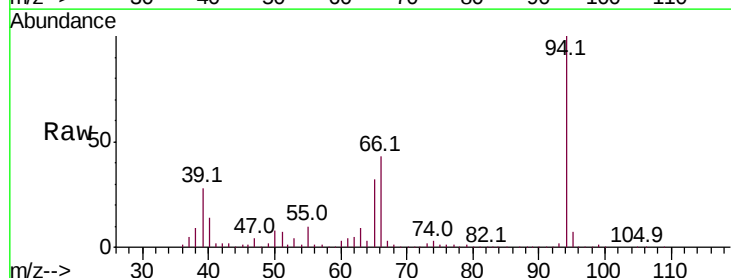
Tgt Ion: 94 Resp: 1489231

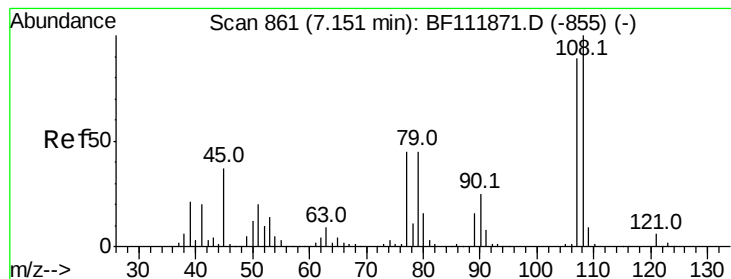
Ion Ratio Lower Upper

94 100

65 31.9 22.8 62.8

66 42.6 43.3 83.3#





#17

2-Methylphenol

Concen: 142.255 ng

RT: 7.16 min Scan# 862

Delta R.T. 0.01 min

Lab File: BF111880.D

Acq: 7 Jan 2019 16:59

Instrument :

BNA_F

ClientSampleId :

COMP-1-DRUM

Tot Ion:107 Resp: 972403

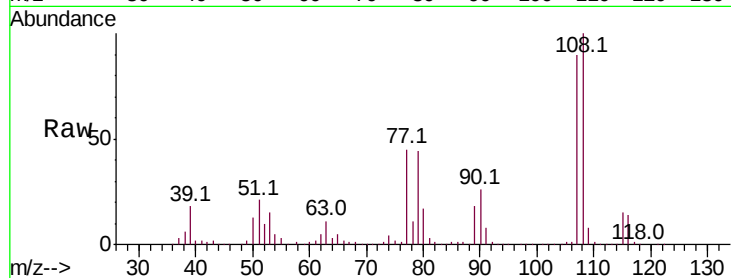
Ion Ratio Lower Upper

107 100

108 111.0 89.7 134.5

77 49.7 40.6 60.8

79 48.7 40.2 60.2

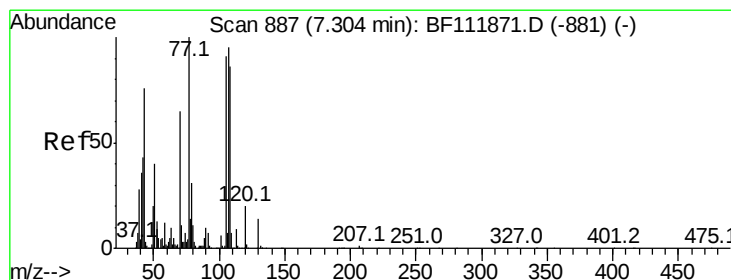
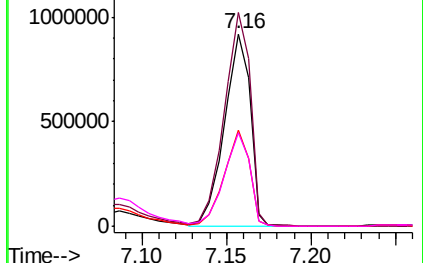
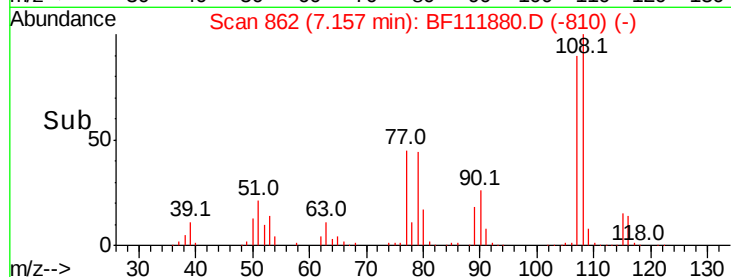


Abundance Ion 107.00 (106.70 to 107.70): E

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



#20

3+4-Methylphenols

Concen: 679.093 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.04 min

Lab File: BF111880.D

Acq: 7 Jan 2019 16:59

Tgt Ion:107 Resp: 5777285

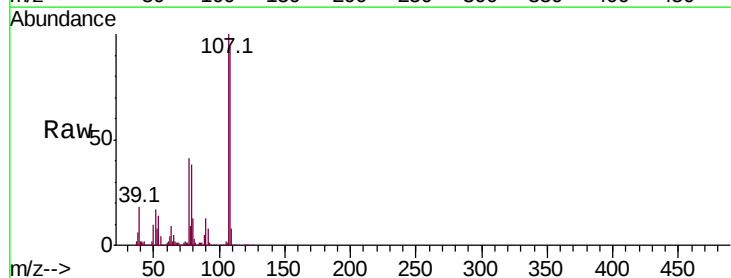
Ion Ratio Lower Upper

107 100

108 94.3 71.1 111.1

77 40.5 85.4 125.4#

79 38.5 12.4 52.4

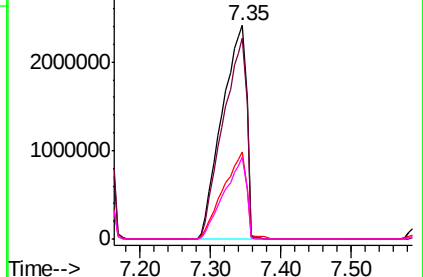
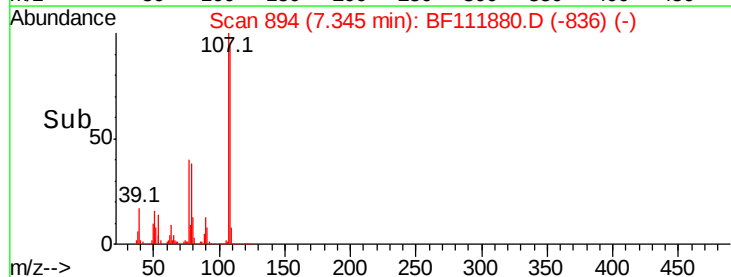


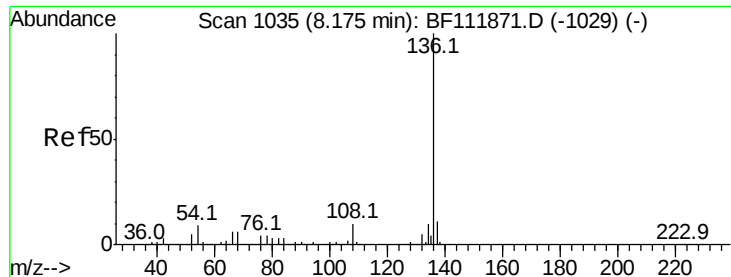
Abundance Ion 107.00 (106.70 to 107.70): E

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: 8.18 min Scan# 1036

Delta R.T. 0.01 min

Lab File: BF111880.D

Acq: 7 Jan 2019 16:59

Instrument :

BNA_F

ClientSampleId :

COMP-1-DRUM

Tot Ion:136 Resp: 550298

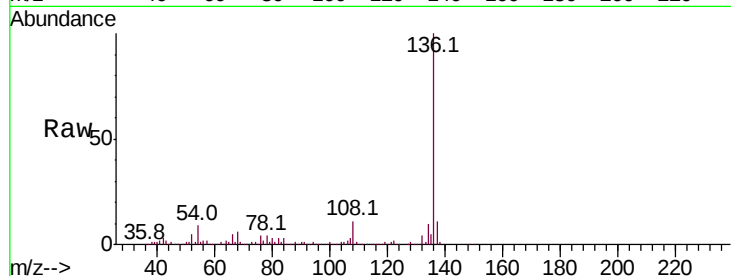
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 8.9 7.2 10.8

68 5.7 4.4 6.6

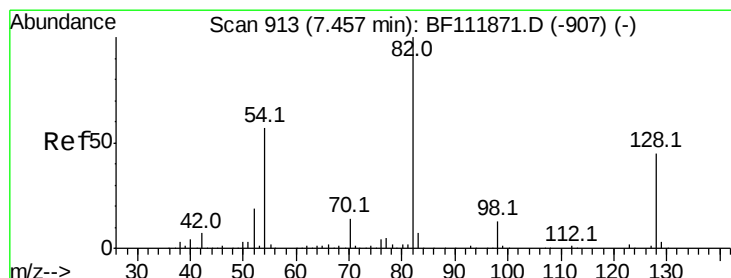
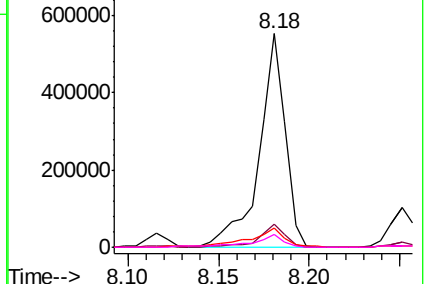
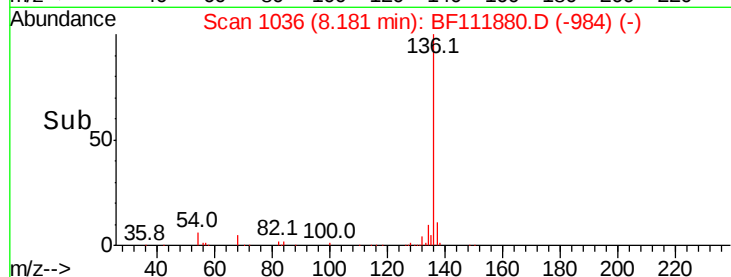


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.664 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.00 min

Lab File: BF111880.D

Acq: 7 Jan 2019 16:59

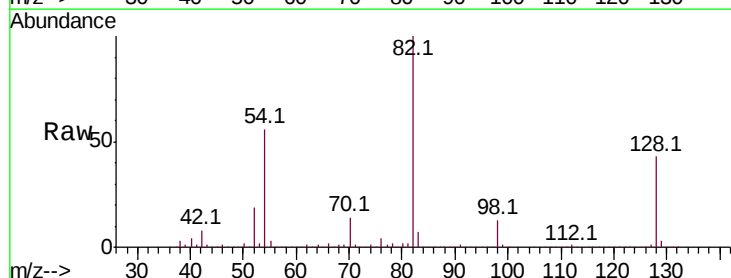
Tgt Ion: 82 Resp: 727585

Ion Ratio Lower Upper

82 100

128 43.4 35.7 53.5

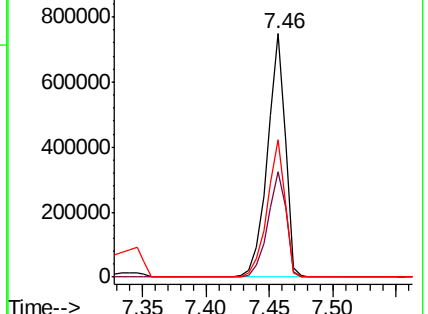
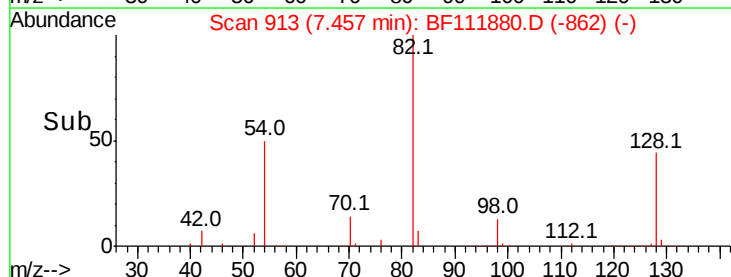
54 56.5 45.8 68.8

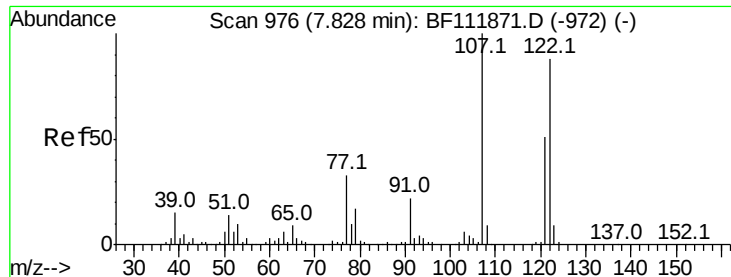


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

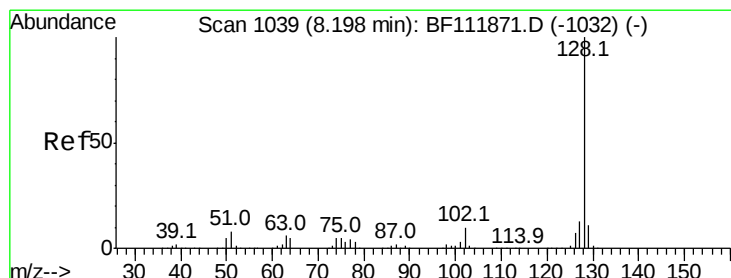
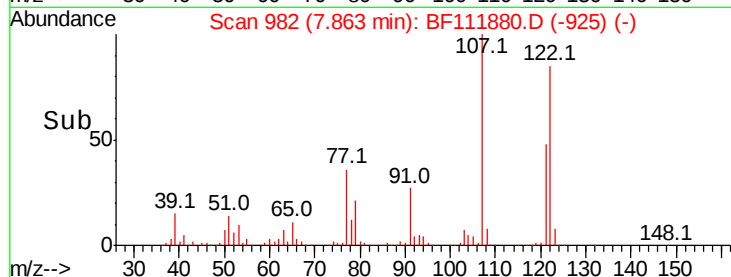
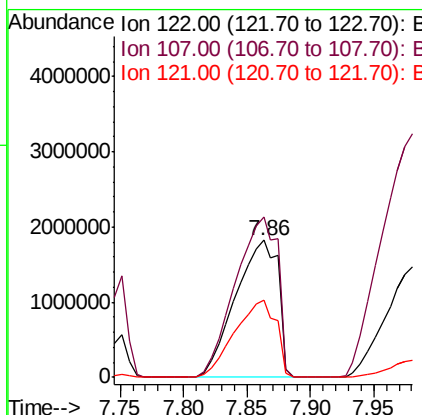
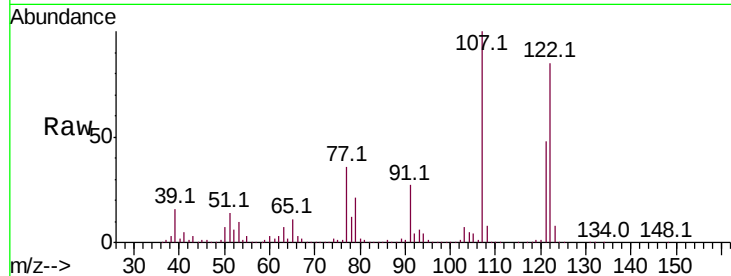




#27
 2,4-Dimethylphenol
 Concen: 575.122 ng
 RT: 7.86 min Scan# 982
 Delta R.T. 0.04 min
 Lab File: BF111880.D
 Acq: 7 Jan 2019 16:59

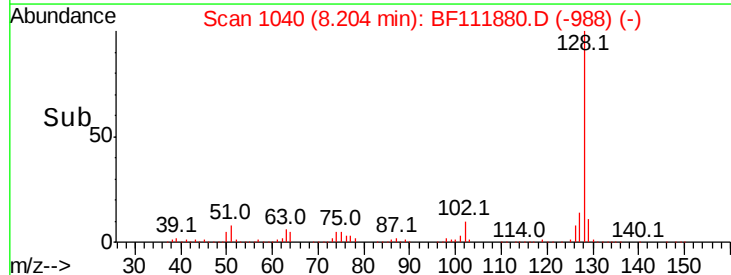
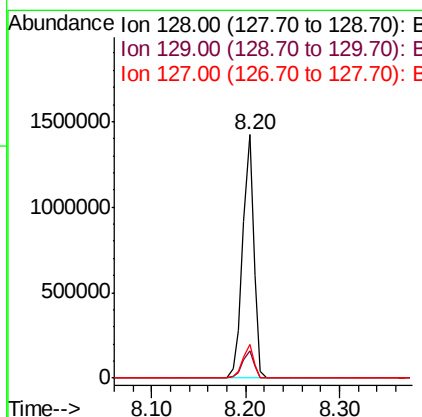
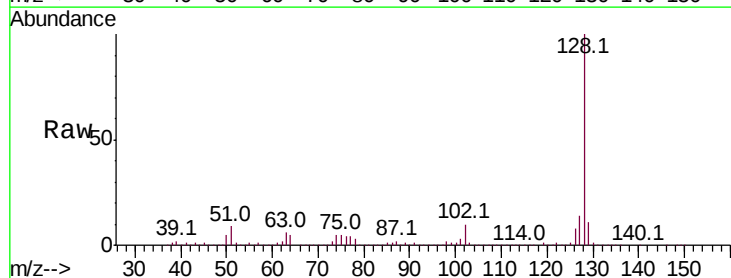
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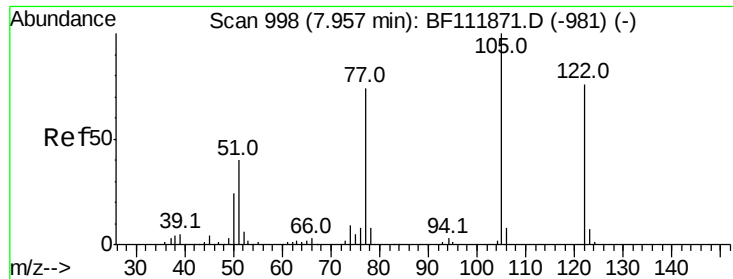
Tot Ion:122 Resp: 4264662
 Ion Ratio Lower Upper
 122 100
 107 117.2 91.0 136.6
 121 56.6 46.8 70.2



#31
 Naphthalene
 Concen: 45.074 ng
 RT: 8.20 min Scan# 1040
 Delta R.T. 0.01 min
 Lab File: BF111880.D
 Acq: 7 Jan 2019 16:59

Tgt Ion:128 Resp: 1177466
 Ion Ratio Lower Upper
 128 100
 129 11.2 9.0 13.4
 127 13.6 10.7 16.1

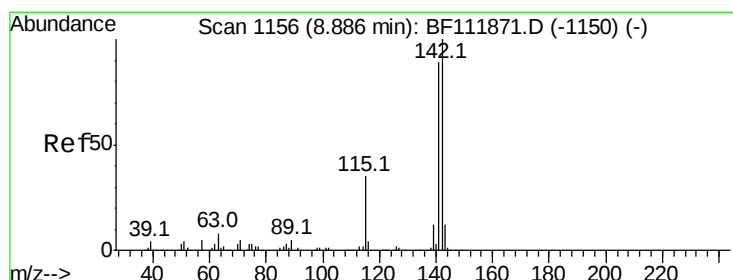
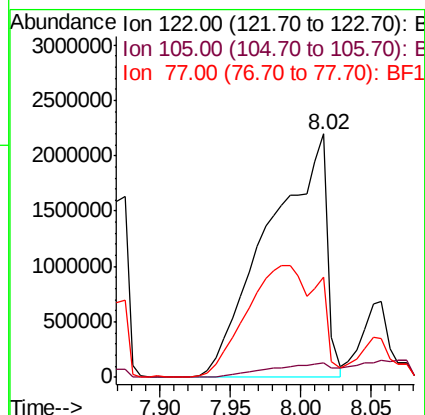
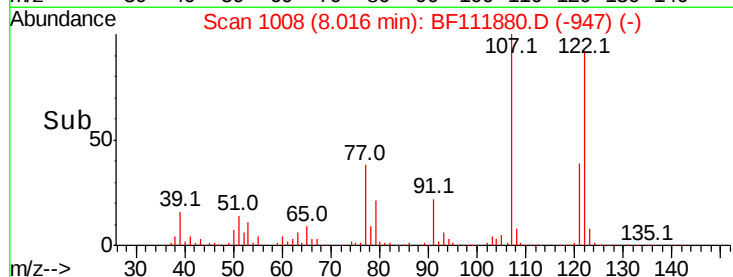
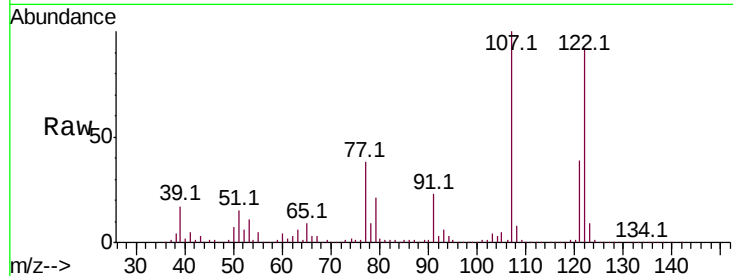




#32
Benzoic acid
Concen: 1311.192 ng
RT: 8.02 min Scan# 1008
Delta R.T. 0.06 min
Lab File: BF111880.D
Acq: 7 Jan 2019 16:59

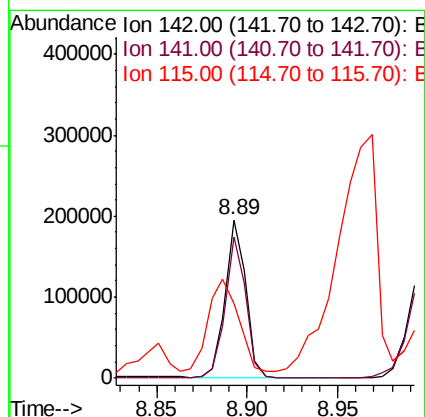
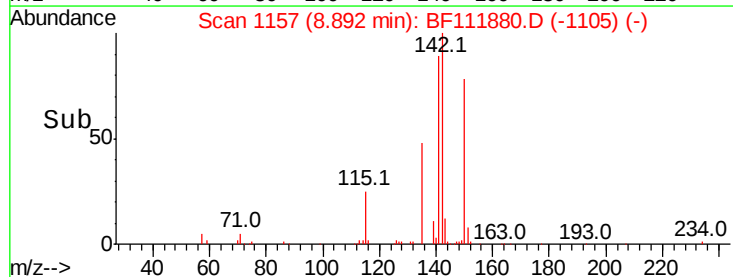
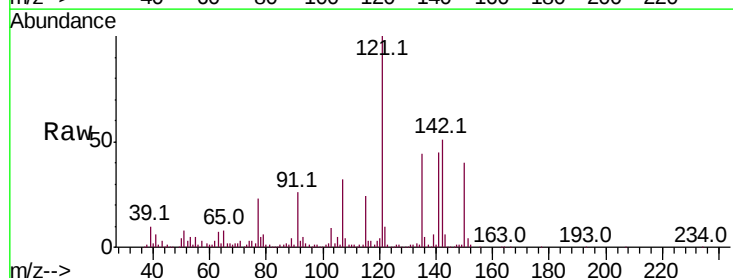
Instrument :
BNA_F
ClientSampleId :
COMP-1-DRUM

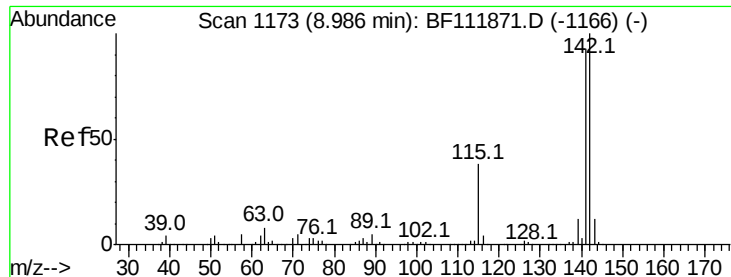
Tot Ion:122 Resp: 6309511
Ion Ratio Lower Upper
122 100
105 6.0 107.9 147.9#
77 41.0 76.6 116.6#



#37
2-Methylnaphthalene
Concen: 9.618 ng
RT: 8.89 min Scan# 1157
Delta R.T. 0.01 min
Lab File: BF111880.D
Acq: 7 Jan 2019 16:59

Tgt Ion:142 Resp: 155678
Ion Ratio Lower Upper
142 100
141 88.9 71.4 107.2
115 47.4 28.3 42.5#

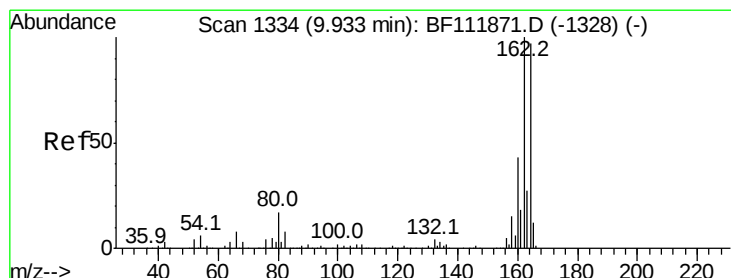
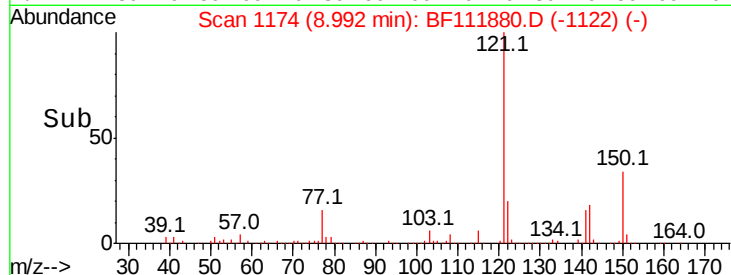
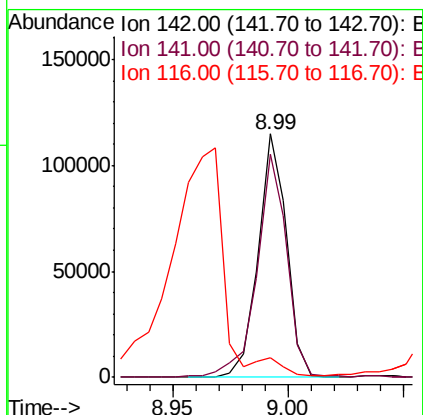
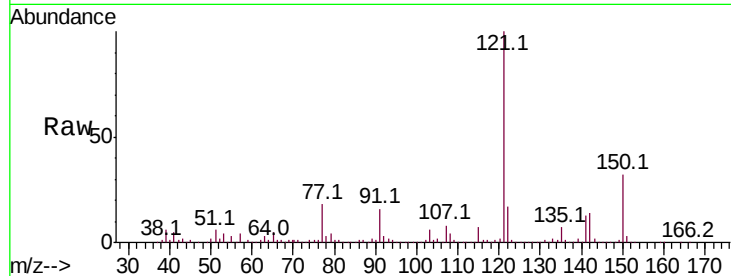




#38
1-Methylnaphthalene
Concen: 6.355 ng
RT: 8.99 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF111880.D
Acq: 7 Jan 2019 16:59

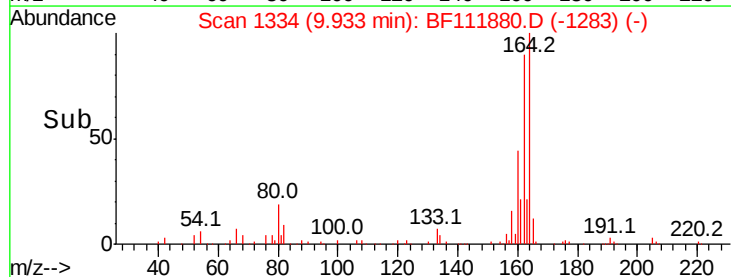
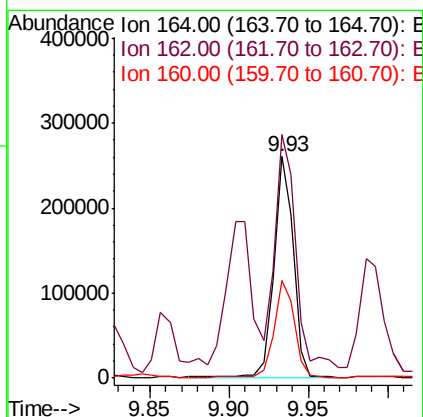
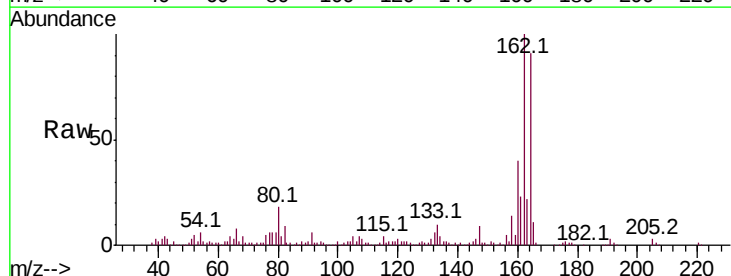
Instrument :
BNA_F
ClientSampleId :
COMP-1-DRUM

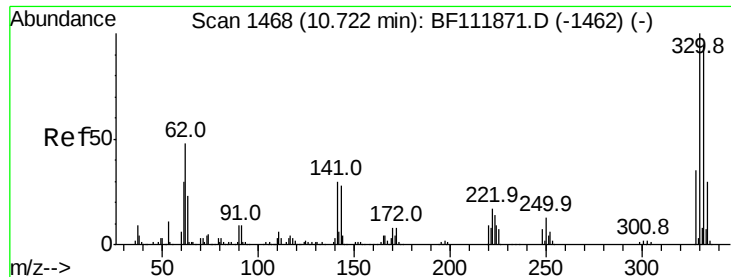
Tot Ion:142 Resp: 98670
Ion Ratio Lower Upper
142 100
141 91.7 74.8 112.2
116 8.2 3.1 4.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF111880.D
Acq: 7 Jan 2019 16:59

Tgt Ion:164 Resp: 219457
Ion Ratio Lower Upper
164 100
162 110.0 82.2 123.2
160 44.3 35.5 53.3

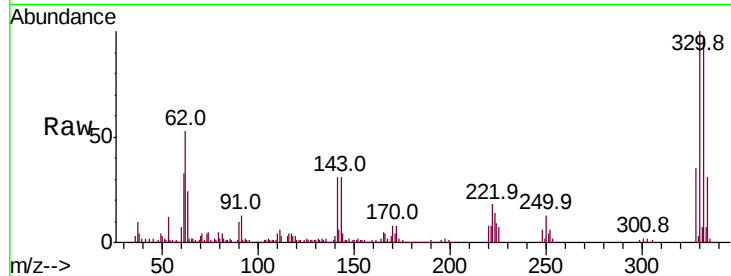




#42
 2,4,6-Tribromophenol
 Concen: 110.108 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF111880.D
 Acq: 7 Jan 2019 16:59

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-DRUM

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.9	115.3
141	30.3	23.7	35.5

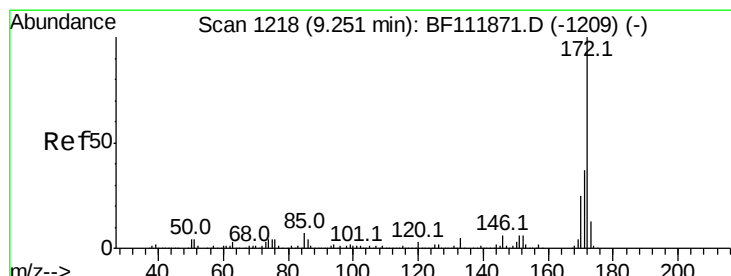
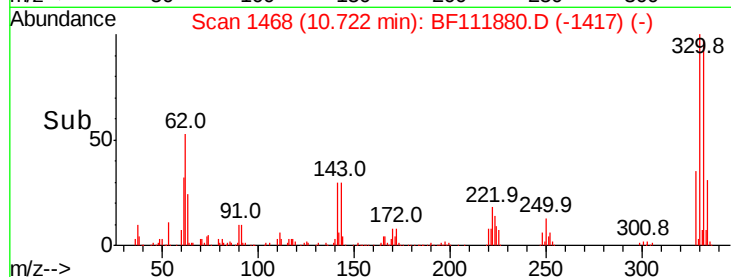
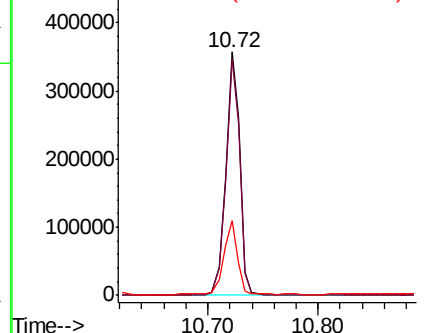


Abundance

Ion 329.80 (329.50 to 330.50): E

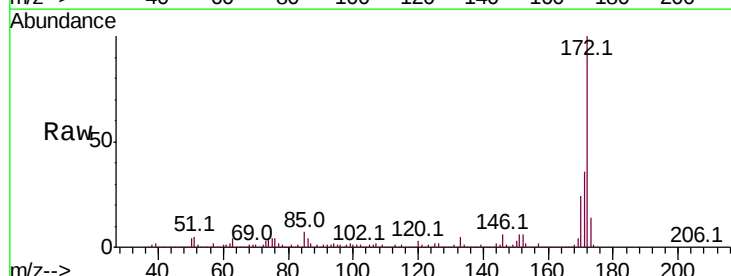
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 86.960 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: BF111880.D
 Acq: 7 Jan 2019 16:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.0	19.8	29.8

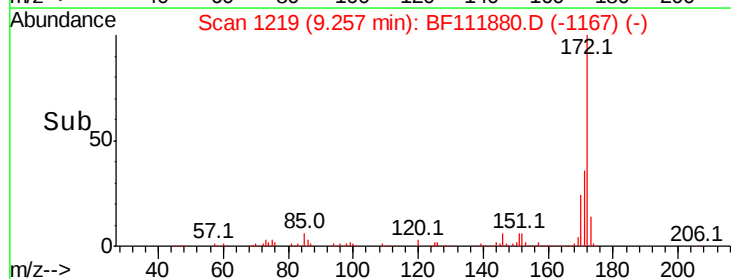
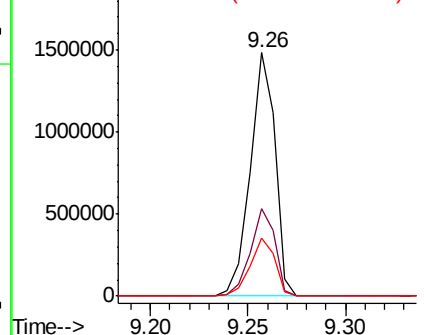


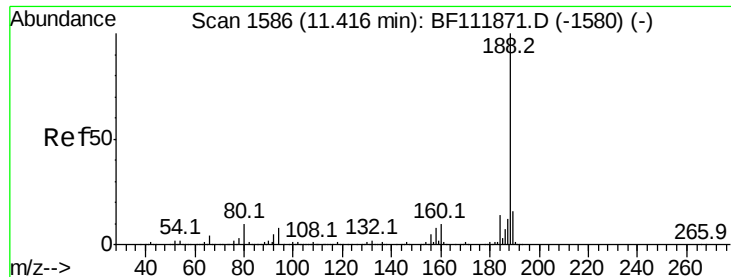
Abundance

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

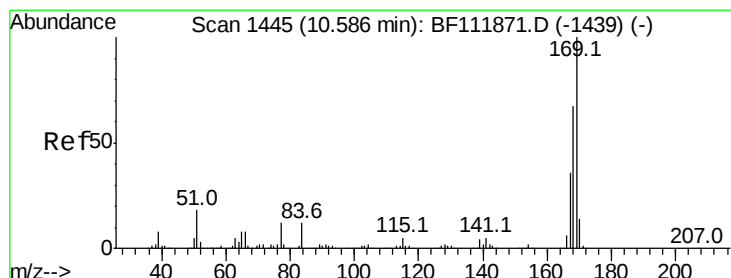
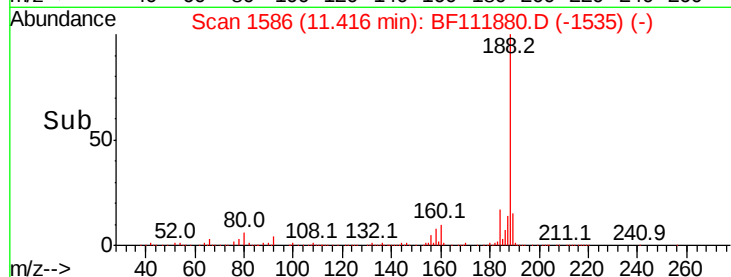
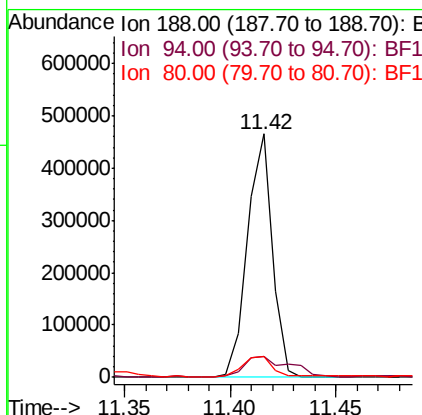
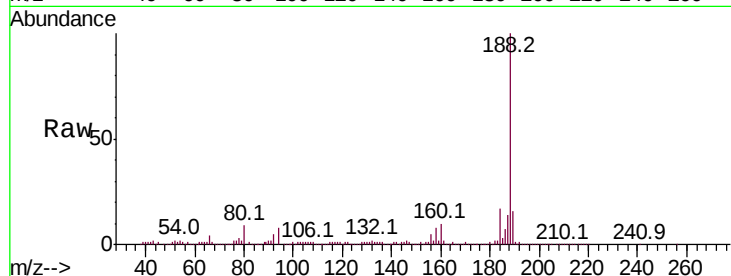




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF111880.D
Acq: 7 Jan 2019 16:59

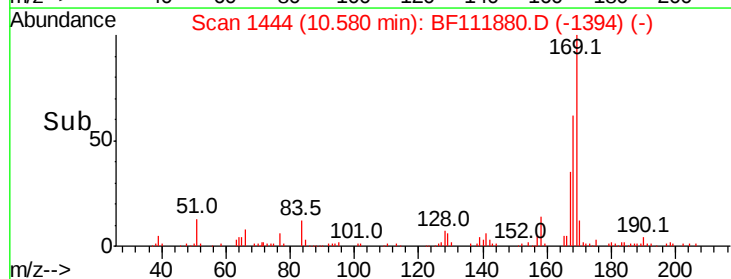
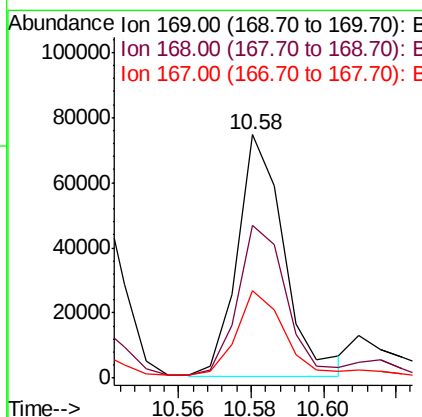
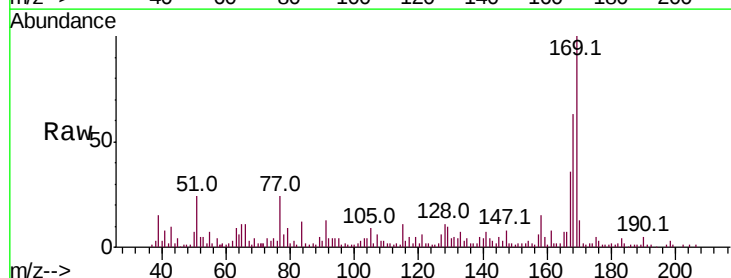
Instrument :
BNA_F
ClientSampleId :
COMP-1-DRUM

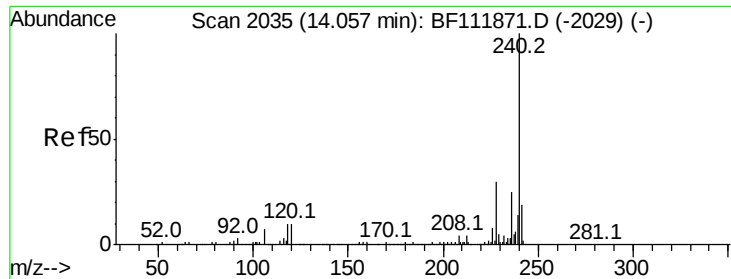
Tot Ion:188 Resp: 383122
Ion Ratio Lower Upper
188 100
94 8.4 6.6 10.0
80 8.8 7.7 11.5



#66
n-Nitrosodiphenylamine
Concen: 5.163 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF111880.D
Acq: 7 Jan 2019 16:59

Tgt Ion:169 Resp: 66378
Ion Ratio Lower Upper
169 100
168 62.9 53.8 80.6
167 36.0 29.1 43.7

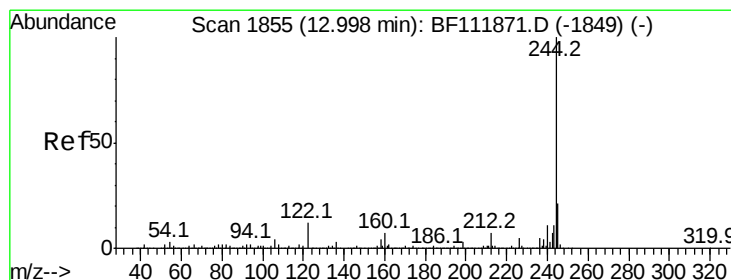
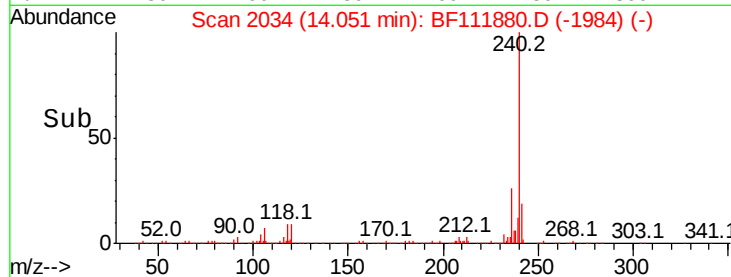
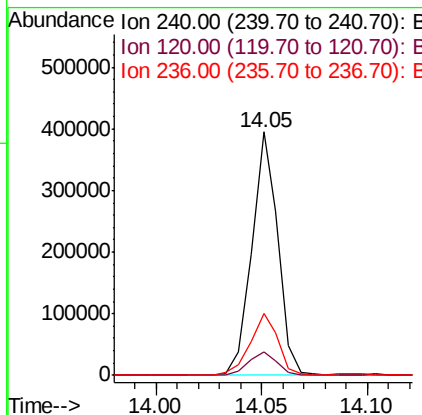
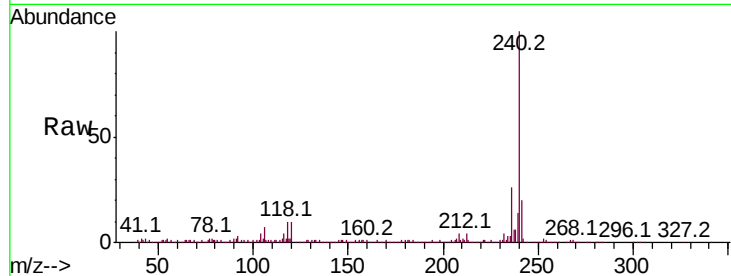




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BF111880.D
 Acq: 7 Jan 2019 16:59

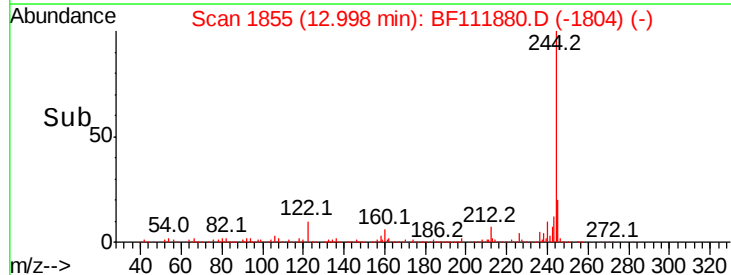
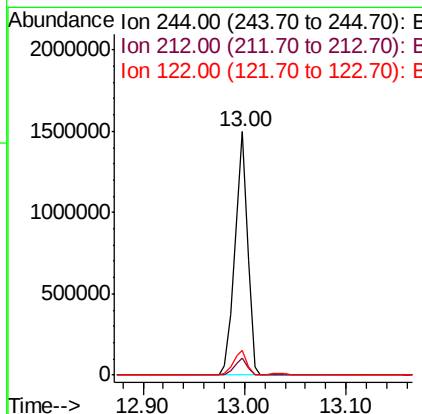
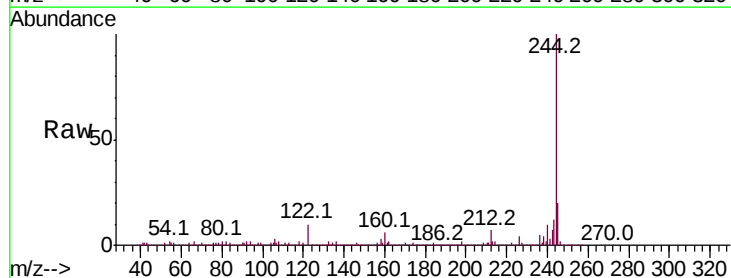
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-DRUM

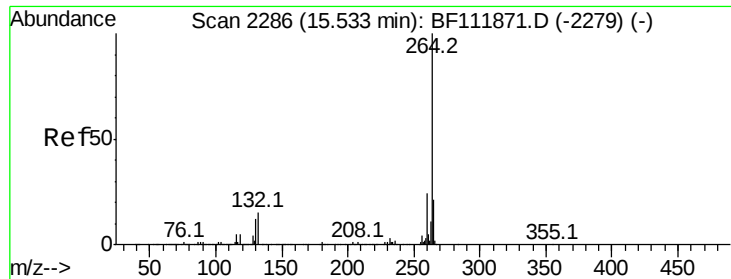
Tot Ion:240 Resp: 335175
 Ion Ratio Lower Upper
 240 100
 120 9.6 8.2 12.2
 236 25.6 20.2 30.4



#79
 Terphenyl-d14
 Concen: 74.096 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: BF111880.D
 Acq: 7 Jan 2019 16:59

Tgt Ion:244 Resp: 1308344
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 10.2 9.5 14.3





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.00 min
Lab File: BF111880.D
Acq: 7 Jan 2019 16:59

Instrument :
BNA_F
ClientSampleId :
COMP-1-DRUM

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.4	17.1	25.7

