

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
 Data File : BF111542.D
 Acq On : 17 Dec 2018 16:45
 Operator : JU/SJ
 Sample : J6440-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Quant Time: Dec 18 04:09:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	148210	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	832965	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	380406	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	633857	20.00	ng	0.00
76) Chrysene-d12	13.94	240	414198	20.00	ng	0.00
87) Perylene-d12	15.39	264	412823	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	687238	77.16	ng	0.01
7) Phenol-d6	6.45	99	478888	40.42	ng	0.00
23) Nitrobenzene-d5	7.35	82	1323919	94.65	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	438454	128.67	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2255273	91.58	ng	0.00
79) Terphenyl-d14	12.90	244	1844169	104.55	ng	0.00

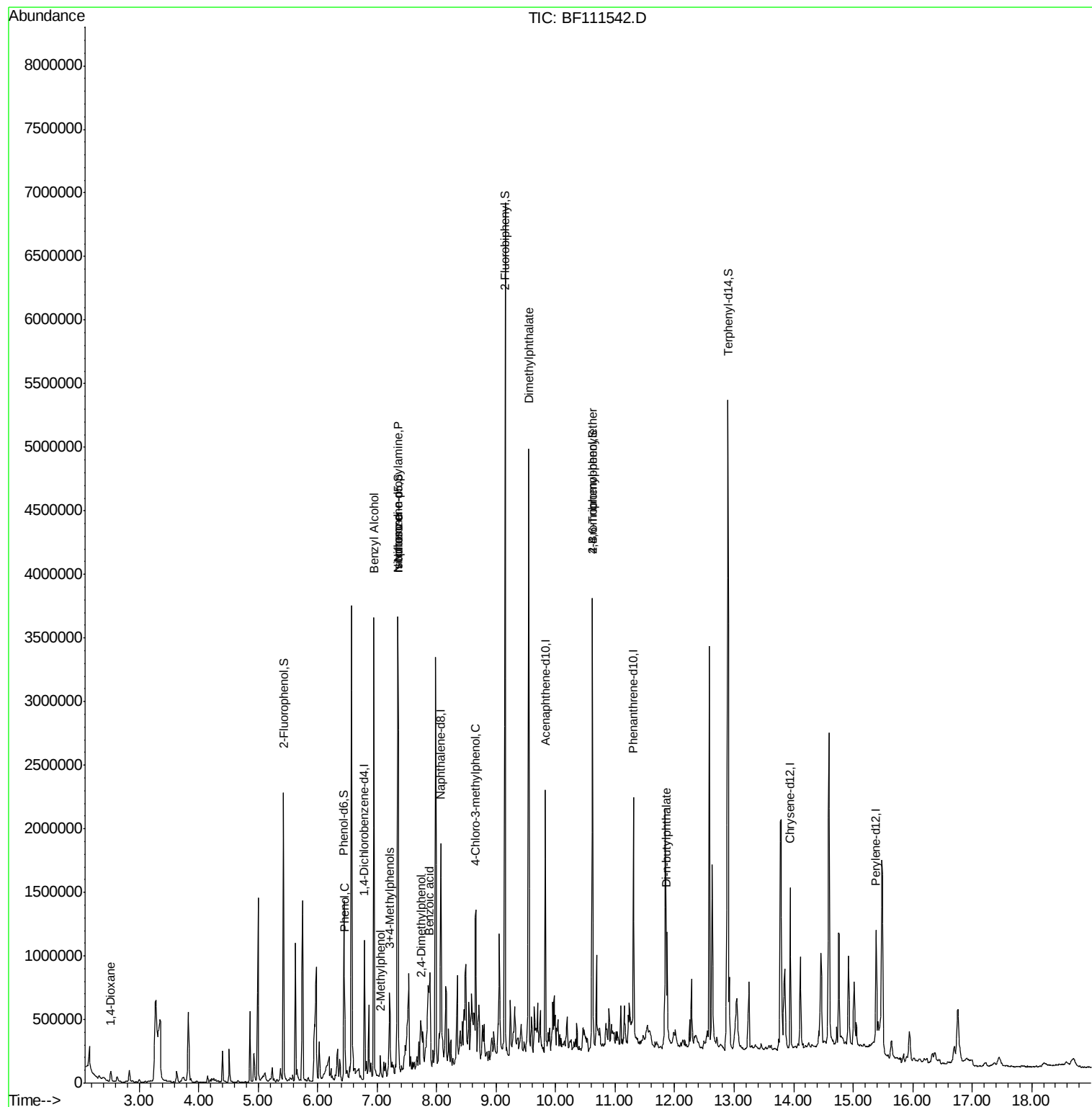
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.52	88	8657	2.012	ng	# 1
10) Phenol	6.46	94	107305	8.131	ng	96
15) Benzyl Alcohol	6.95	79	24831	2.755	ng	# 45
17) 2-Methylphenol	7.06	107	29677	3.465	ng	93
19) n-Nitroso-di-n-propylamine	7.35	70	176079	22.527	ng	# 78
20) 3+4-Methylphenols	7.21	107	159199	14.819	ng	# 60
25) Isophorone	7.35	82	1323422	55.916	ng	# 64
27) 2,4-Dimethylphenol	7.74	122	43628	4.067	ng	97
32) Benzoic acid	7.88	122	394839	42.591	ng	84
36) 4-Chloro-3-methylphenol	8.65	107	115553	9.167	ng	# 20
50) Dimethylphthalate	9.55	163	2078965	75.885	ng	99
67) 4-Bromophenyl-phenylether	10.62	248	27797	4.069	ng	# 1
74) Di-n-butylphthalate	11.87	149	119722	3.112	ng	97

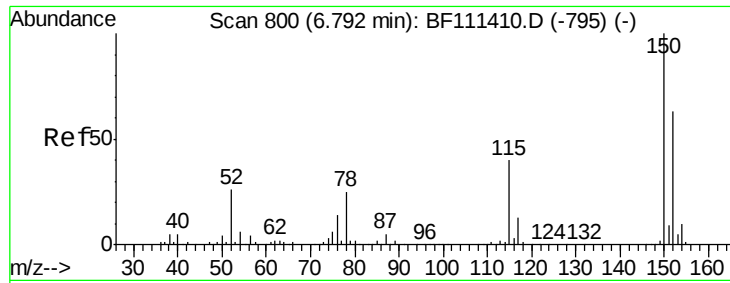
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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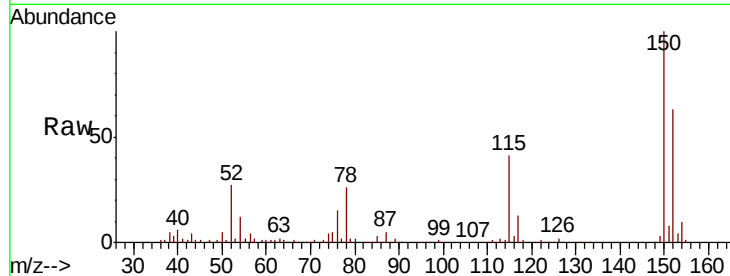




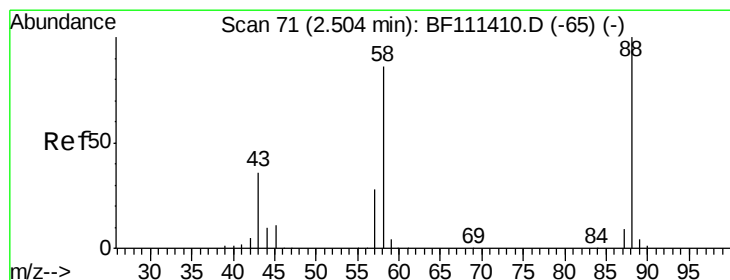
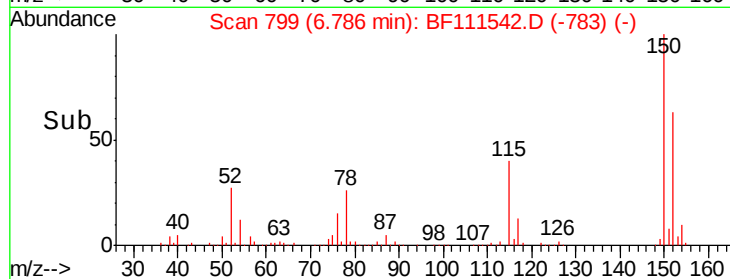
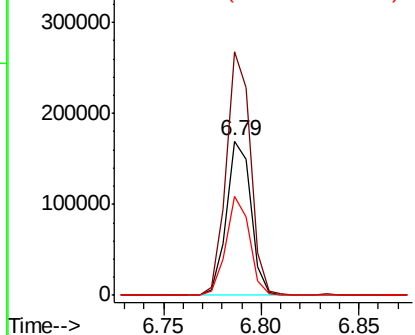
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF111542.D
 Acq: 17 Dec 2018 16:45

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Tgt Ion:152 Resp: 148210
 Ion Ratio Lower Upper
 152 100
 150 157.9 126.6 189.8
 115 64.0 50.7 76.1

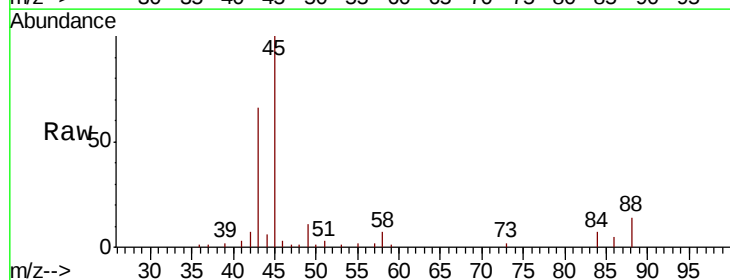


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

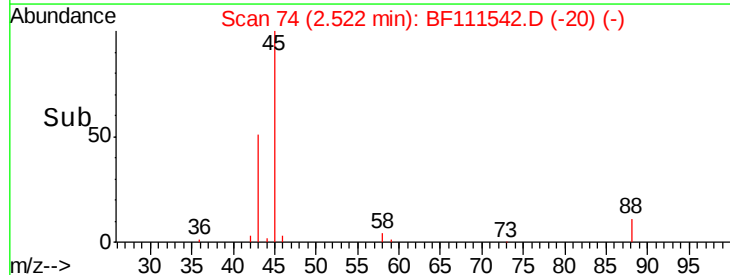
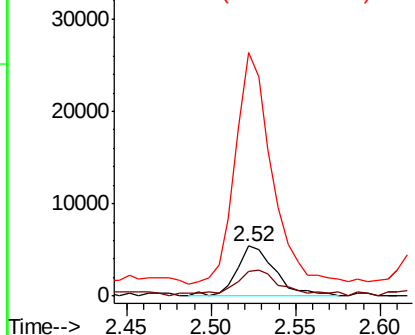


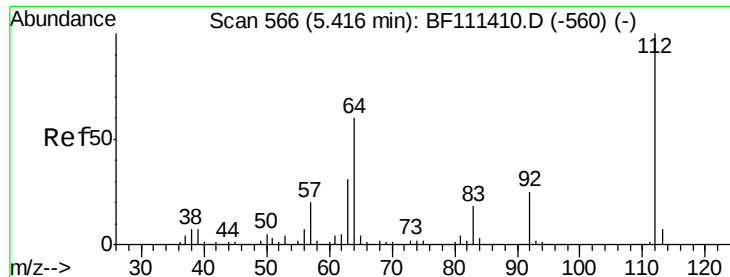
#2
 1,4-Dioxane
 Concen: 2.012 ng
 RT: 2.52 min Scan# 74
 Delta R.T. 0.02 min
 Lab File: BF111542.D
 Acq: 17 Dec 2018 16:45

Tgt Ion: 88 Resp: 8657
 Ion Ratio Lower Upper
 88 100
 58 63.3 68.9 103.3#
 43 446.2 25.8 38.6#



Abundance Ion 88.00 (87.70 to 88.70): BF1
 Ion 58.00 (57.70 to 58.70): BF1
 Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 77.161 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF111542.D

Acq: 17 Dec 2018 16:45

Instrument :

BNA_F

ClientSampleId :

COMP-2

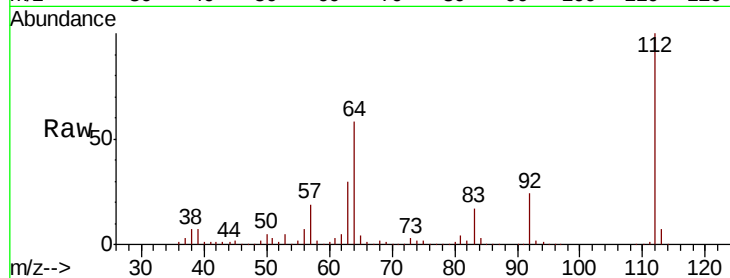
Tgt Ion: 112 Resp: 687238

Ion Ratio Lower Upper

112 100

64 58.2 51.8 77.6

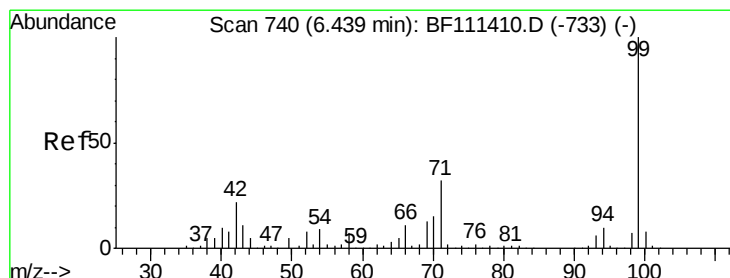
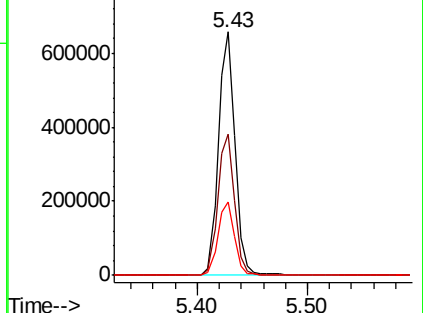
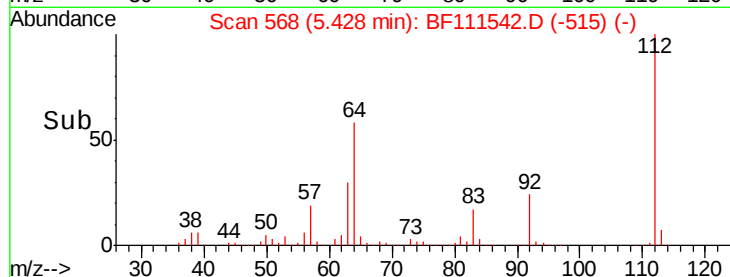
63 30.4 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 40.422 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF111542.D

Acq: 17 Dec 2018 16:45

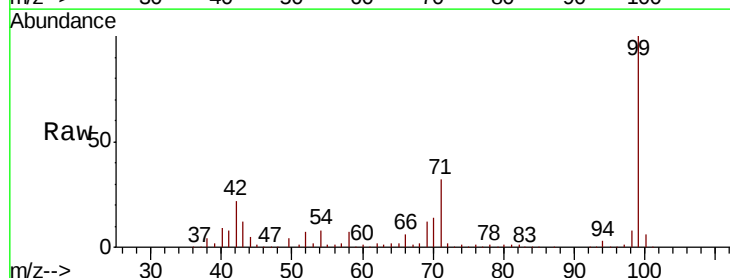
Tgt Ion: 99 Resp: 478888

Ion Ratio Lower Upper

99 100

42 21.6 17.4 26.0

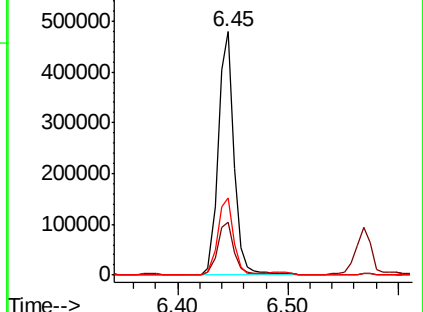
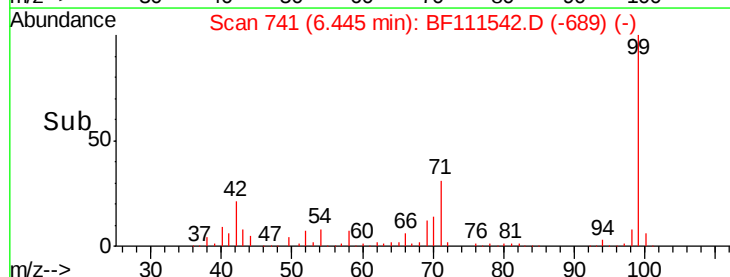
71 31.7 26.1 39.1

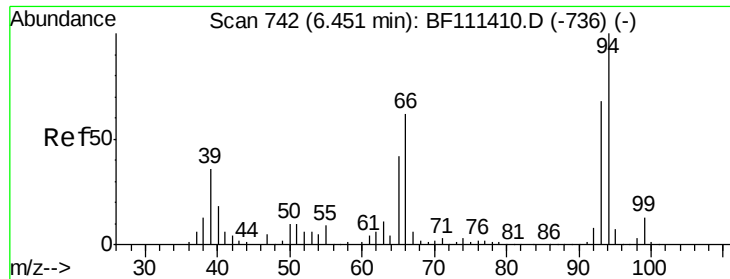


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 8.131 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF111542.D

Acq: 17 Dec 2018 16:45

Instrument :

BNA_F

ClientSampleId :

COMP-2

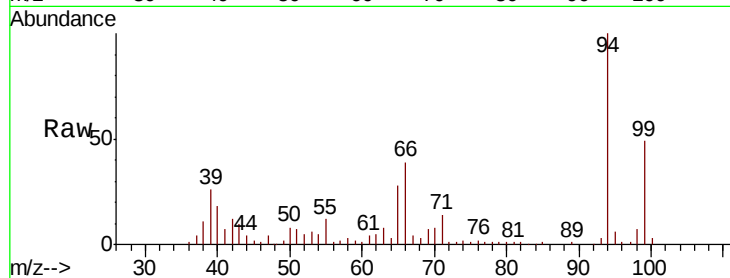
Tgt Ion: 94 Resp: 107305

Ion Ratio Lower Upper

94 100

65 28.5 11.7 51.7

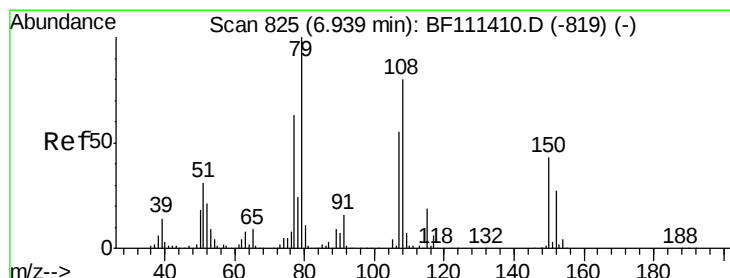
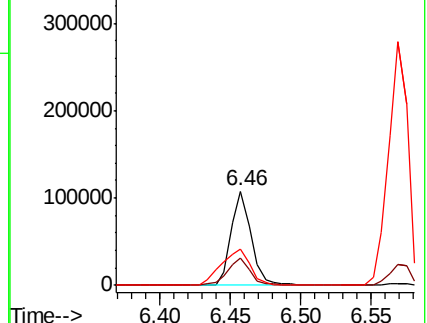
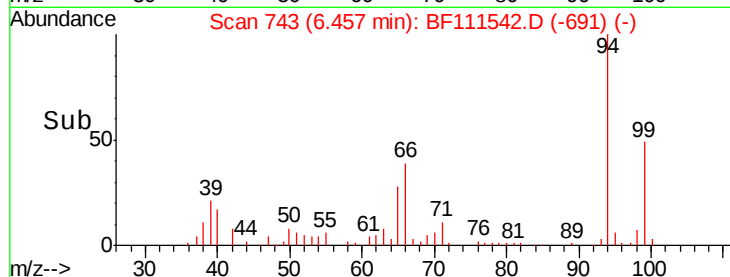
66 38.8 21.0 61.0



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



#15

Benzyl Alcohol

Concen: 2.755 ng

RT: 6.95 min Scan# 826

Delta R.T. 0.01 min

Lab File: BF111542.D

Acq: 17 Dec 2018 16:45

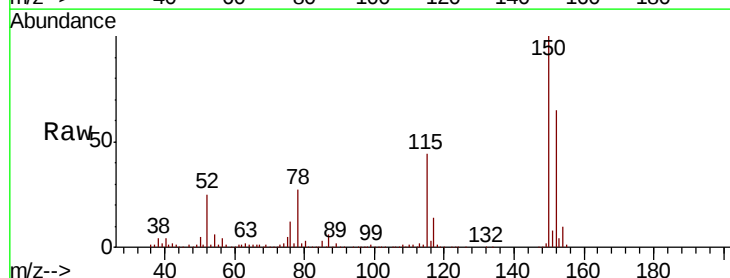
Tgt Ion: 79 Resp: 24831

Ion Ratio Lower Upper

79 100

108 27.4 69.4 104.2#

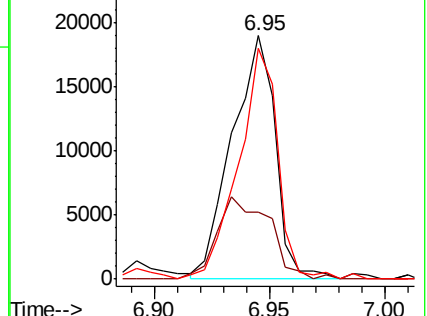
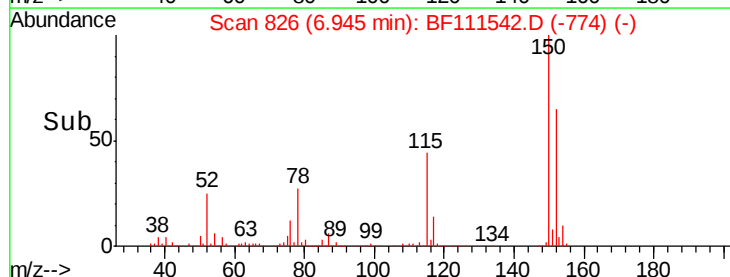
77 94.8 49.7 74.5#

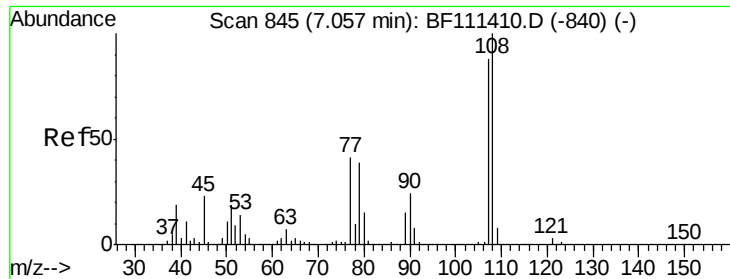


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

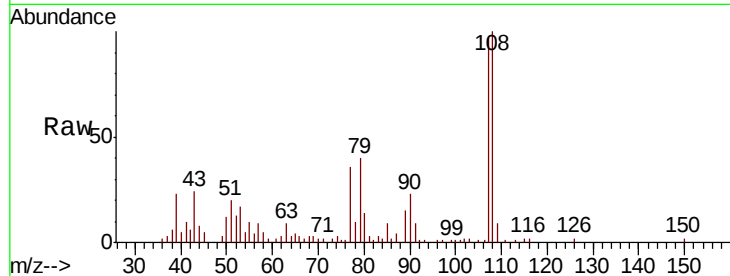




#17
2-Methylphenol
Concen: 3.465 ng
RT: 7.06 min Scan# 845
Delta R.T. -0.00 min
Lab File: BF111542.D
Acq: 17 Dec 2018 16:45

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:	107	Resp:	29677
Ion	Ratio	Lower	Upper
107	100		
108	103.1	91.0	136.4
77	37.2	33.5	50.3
79	41.2	33.3	49.9



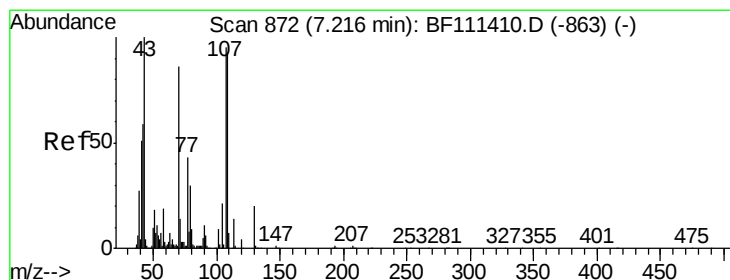
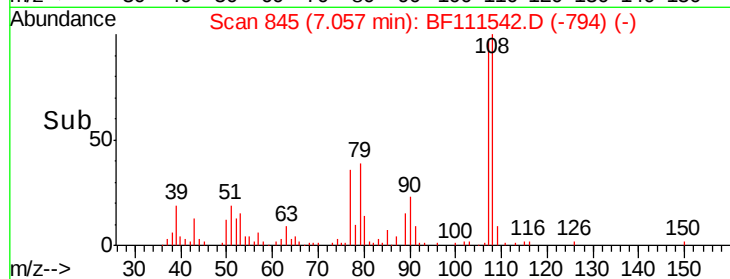
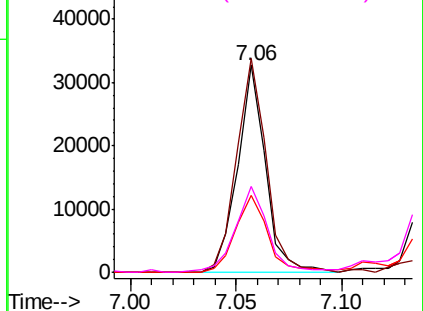
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

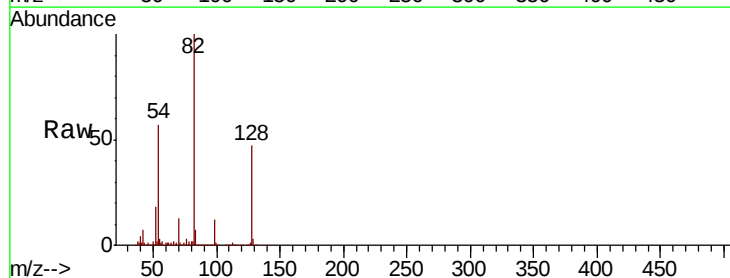
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#19
n-Nitroso-di-n-propylamine
Concen: 22.527 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111542.D
Acq: 17 Dec 2018 16:45

Tgt Ion:	70	Resp:	176079
Ion	Ratio	Lower	Upper
70	100		
42	55.4	53.2	79.8
101	0.3	8.2	12.4#
130	2.4	18.1	27.1#



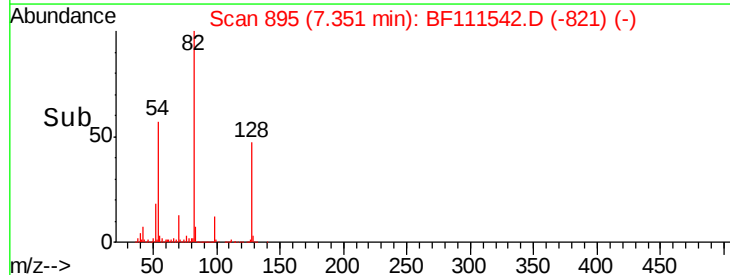
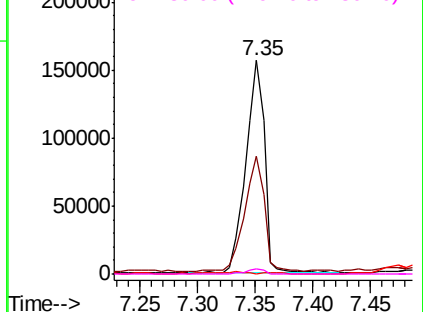
Abundance

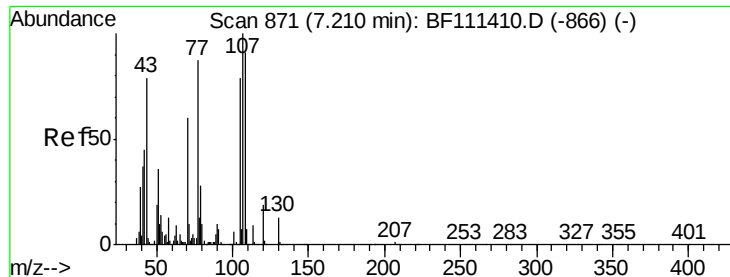
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 14.819 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.00 min

Lab File: BF111542.D

Acq: 17 Dec 2018 16:45

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tgt Ion:107 Resp: 159199

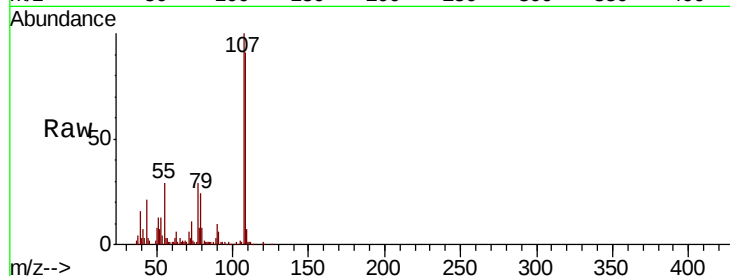
Ion Ratio Lower Upper

107 100

108 91.3 72.1 112.1

77 28.5 94.1 134.1#

79 24.5 9.8 49.8

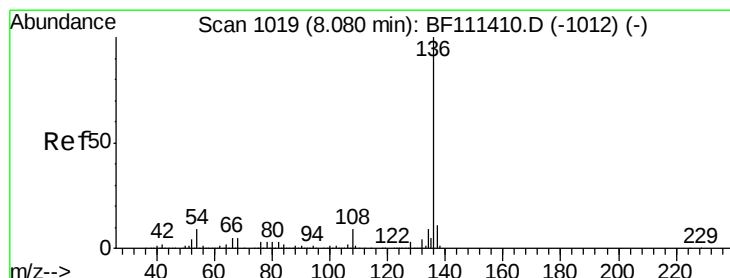
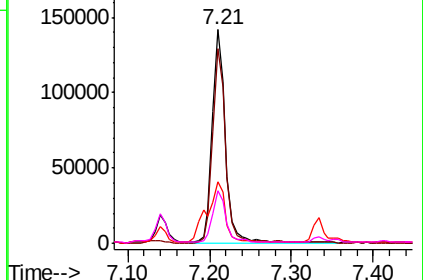
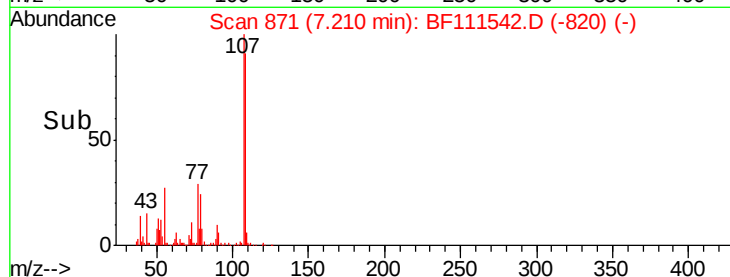


Abundance Ion 107.00 (106.70 to 107.70): E

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: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF111542.D

Acq: 17 Dec 2018 16:45

Tgt Ion:136 Resp: 832965

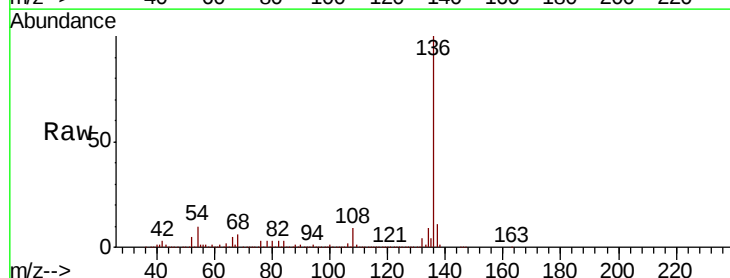
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 10.0 7.7 11.5

68 6.3 4.9 7.3

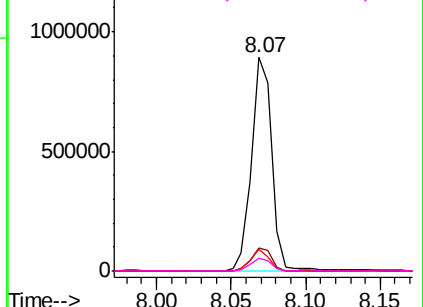
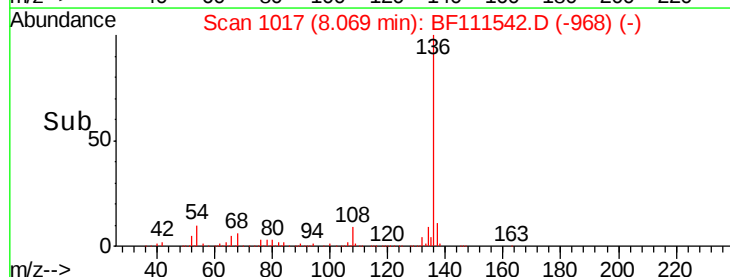


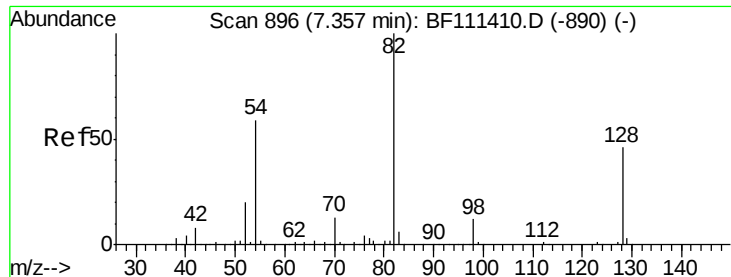
Abundance Ion 136.00 (135.70 to 136.70): E

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

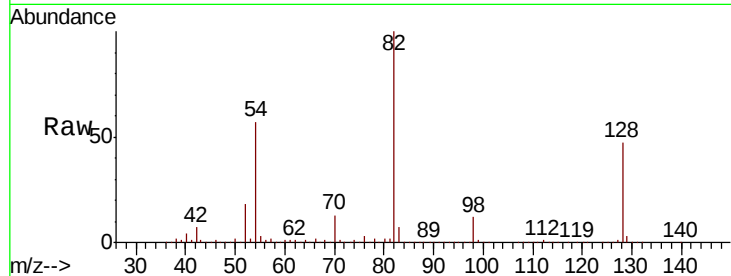




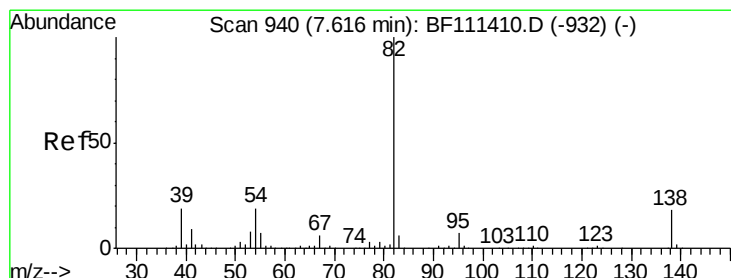
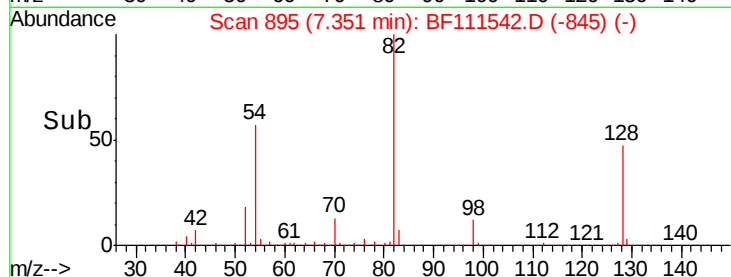
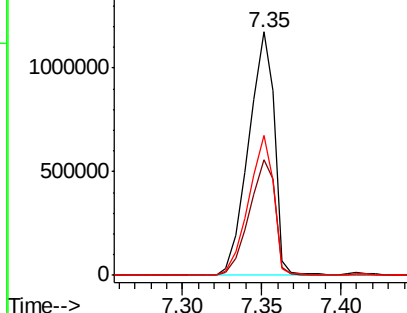
#23
Nitrobenzene-d5
Concen: 94.647 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111542.D
Acq: 17 Dec 2018 16:45

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion: 82 Resp: 1323919
Ion Ratio Lower Upper
82 100
128 47.4 37.4 56.2
54 57.3 47.6 71.4

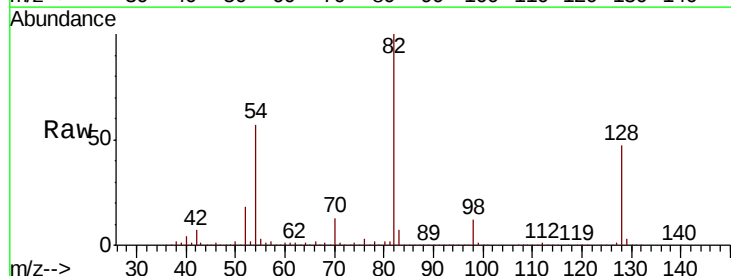


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

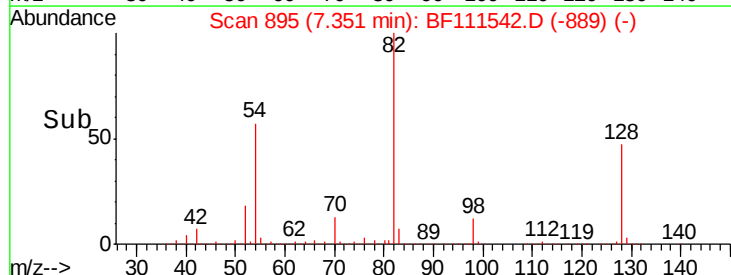
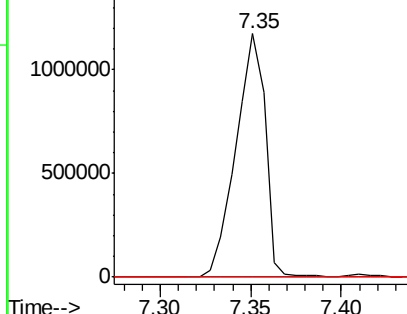


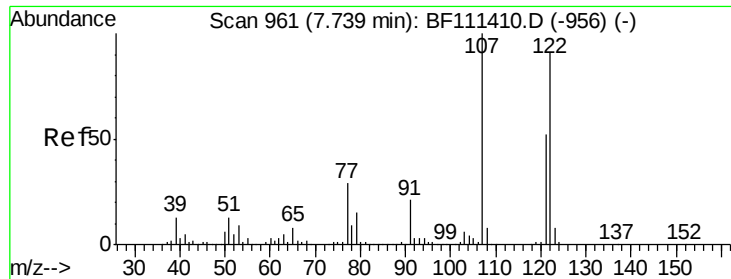
#25
Isophorone
Concen: 55.916 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.26 min
Lab File: BF111542.D
Acq: 17 Dec 2018 16:45

Tgt Ion: 82 Resp: 1323422
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.2#
138 0.0 15.1 22.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

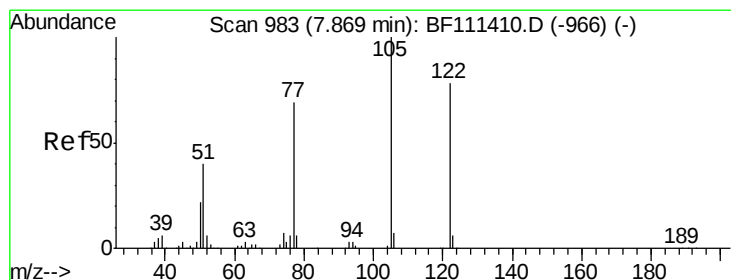
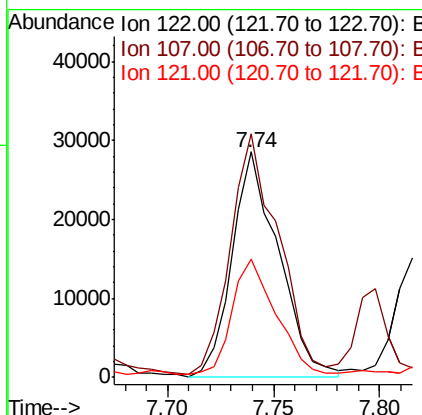
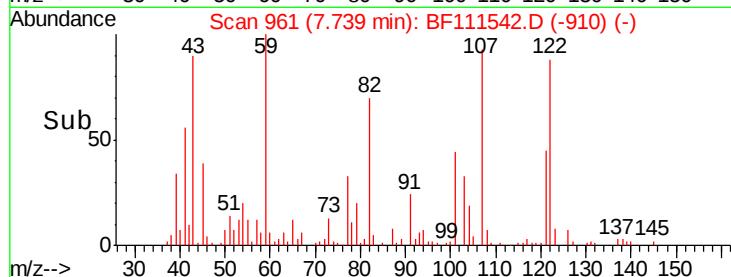
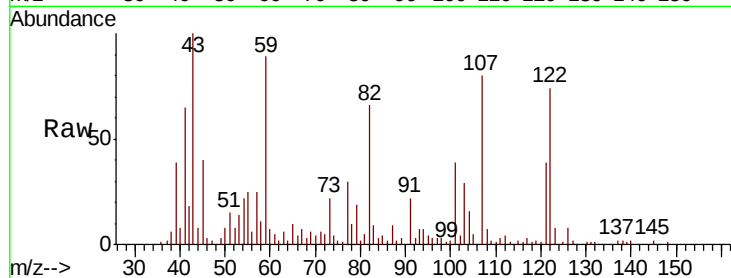




#27
 2,4-Dimethylphenol
 Concen: 4.067 ng
 RT: 7.74 min Scan# 961
 Delta R.T. -0.00 min
 Lab File: BF111542.D
 Acq: 17 Dec 2018 16:45

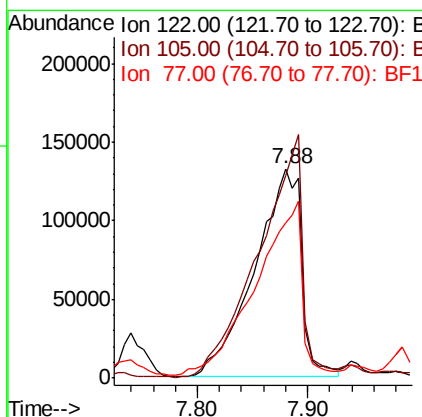
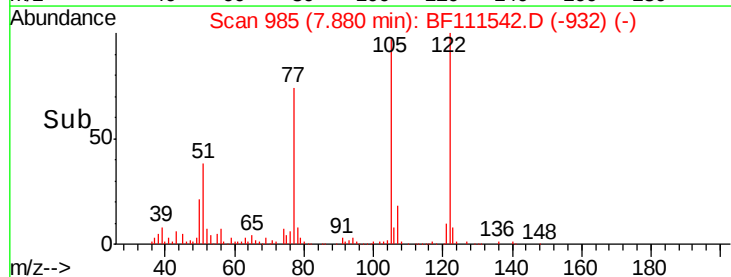
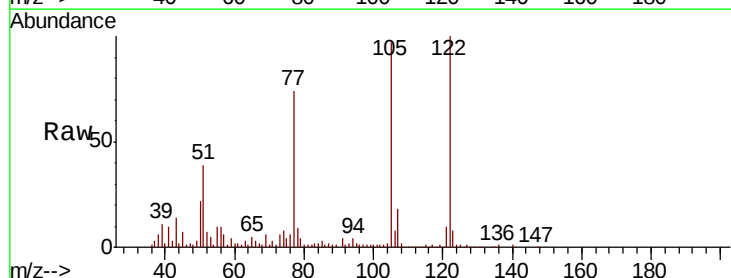
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

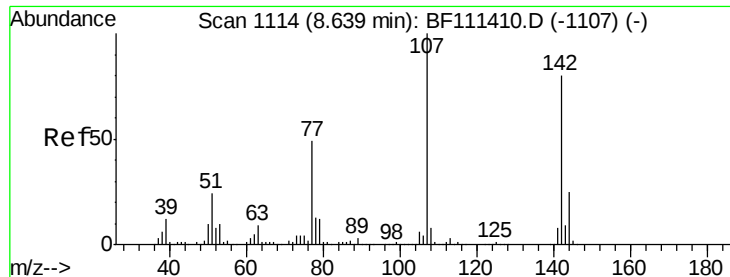
Tgt Ion:122 Resp: 43628
 Ion Ratio Lower Upper
 122 100
 107 108.0 85.5 128.3
 121 52.5 46.6 70.0



#32
 Benzoic acid
 Concen: 42.591 ng
 RT: 7.88 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: BF111542.D
 Acq: 17 Dec 2018 16:45

Tgt Ion:122 Resp: 394839
 Ion Ratio Lower Upper
 122 100
 105 97.2 97.0 137.0
 77 74.5 65.7 105.7

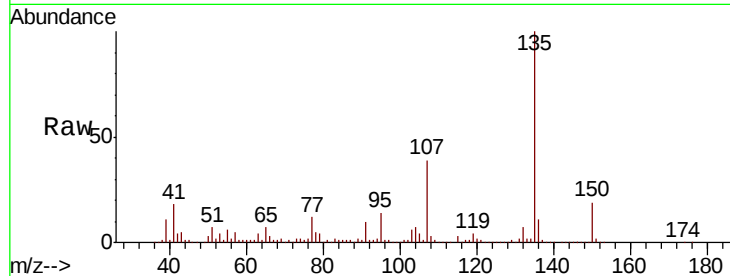




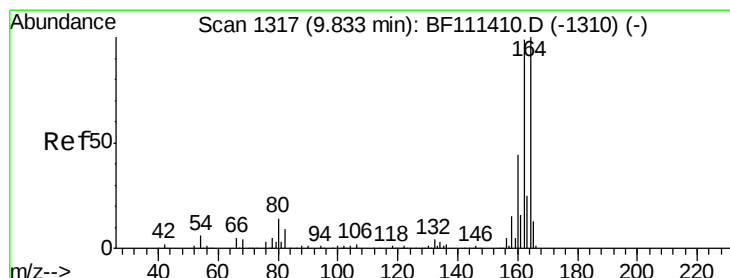
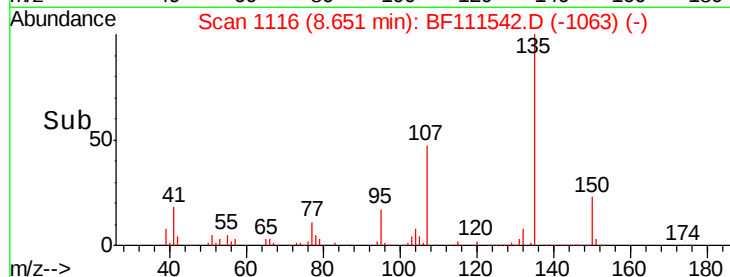
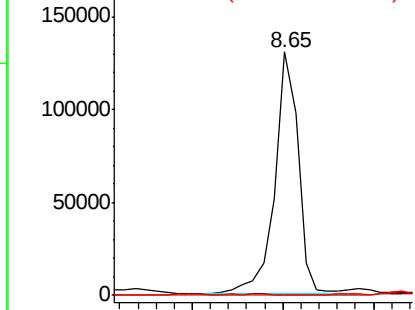
#36
 4-Chloro-3-methylphenol
 Concen: 9.167 ng
 RT: 8.65 min Scan# 1116
 Delta R.T. 0.01 min
 Lab File: BF111542.D
 Acq: 17 Dec 2018 16:45

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Tgt Ion:107 Resp: 115553
 Ion Ratio Lower Upper
 107 100
 144 0.2 19.8 29.6#
 142 0.2 62.3 93.5#

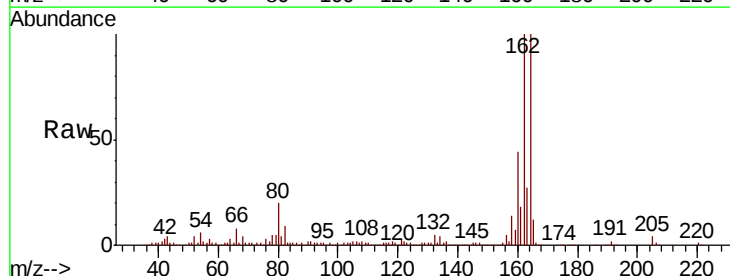


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

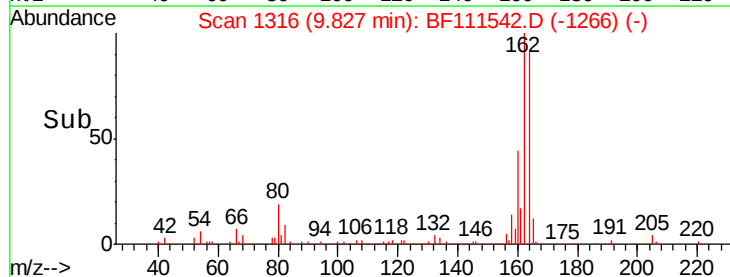
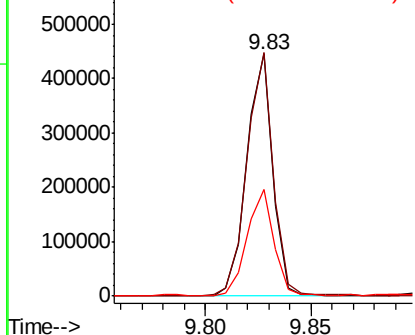


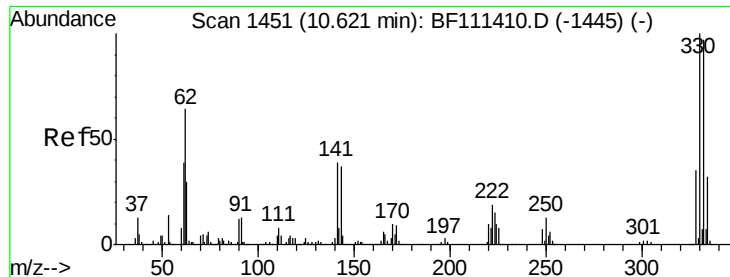
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF111542.D
 Acq: 17 Dec 2018 16:45

Tgt Ion:164 Resp: 380406
 Ion Ratio Lower Upper
 164 100
 162 100.5 81.4 122.0
 160 44.1 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: 128.668 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.00 min

Lab File: BF111542.D

Acq: 17 Dec 2018 16:45

Instrument :

BNA_F

ClientSampleId :

COMP-2

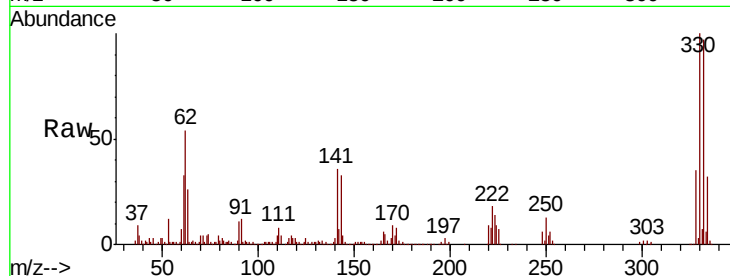
Tgt Ion:330 Resp: 438454

Ion Ratio Lower Upper

330 100

332 96.6 76.0 114.0

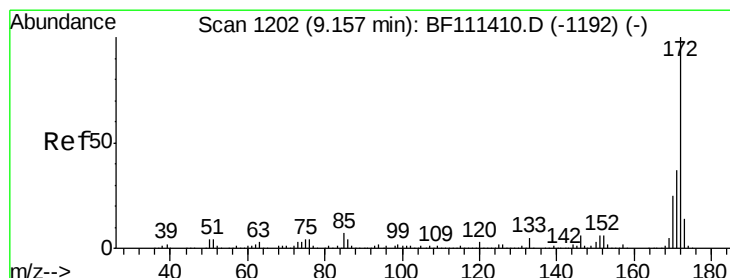
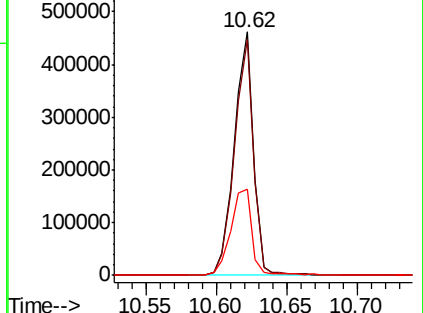
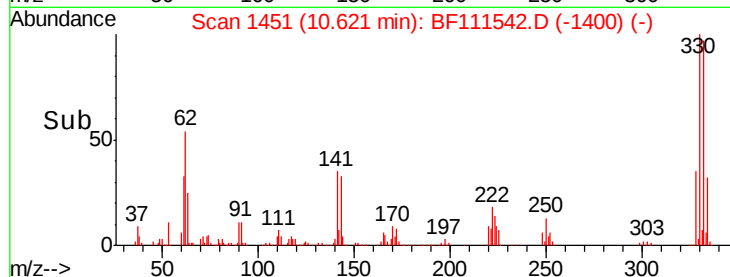
141 38.1 31.0 46.6



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: 91.575 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF111542.D

Acq: 17 Dec 2018 16:45

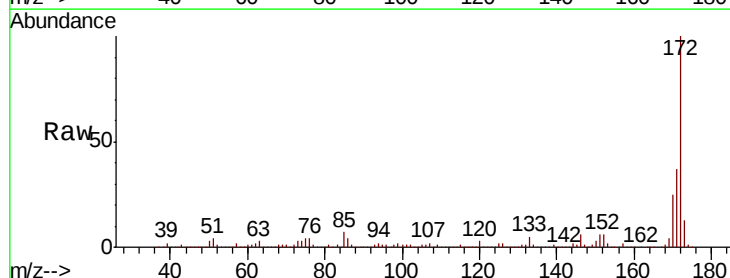
Tgt Ion:172 Resp: 2255273

Ion Ratio Lower Upper

172 100

171 36.8 33.0 49.4

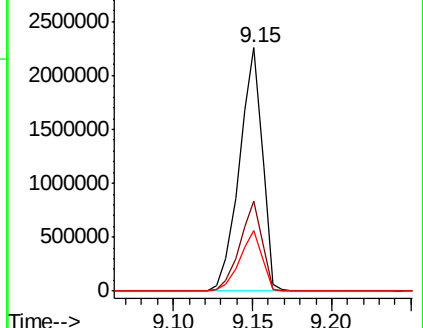
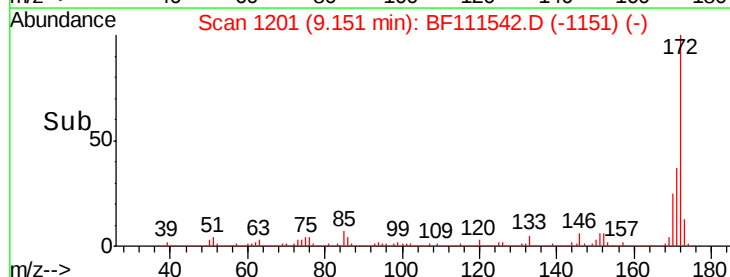
170 24.9 22.3 33.5

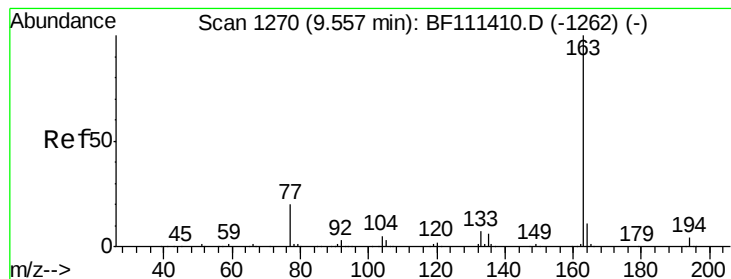


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 75.885 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF111542.D

Acq: 17 Dec 2018 16:45

Instrument :

BNA_F

ClientSampleId :

COMP-2

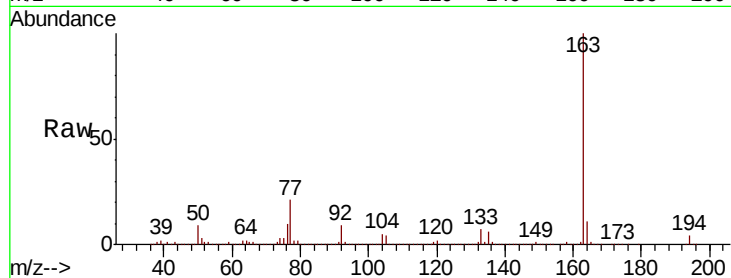
Tgt Ion:163 Resp: 2078965

Ion Ratio Lower Upper

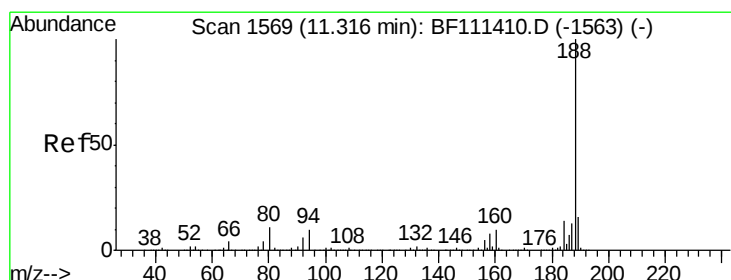
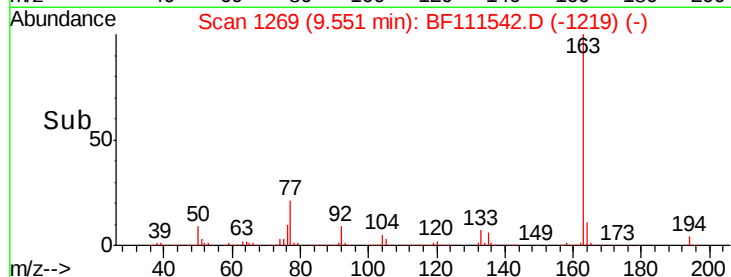
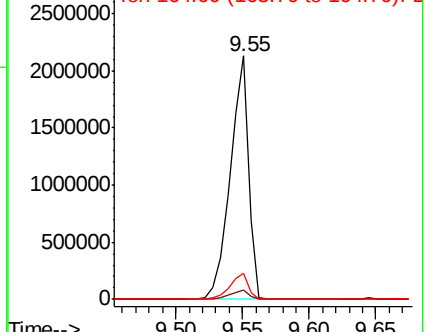
163 100

194 3.9 3.0 4.6

164 10.8 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: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF111542.D

Acq: 17 Dec 2018 16:45

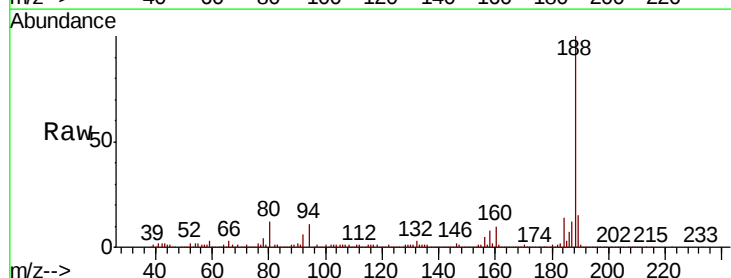
Tgt Ion:188 Resp: 633857

Ion Ratio Lower Upper

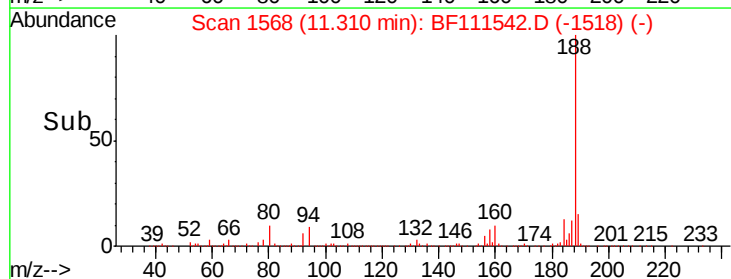
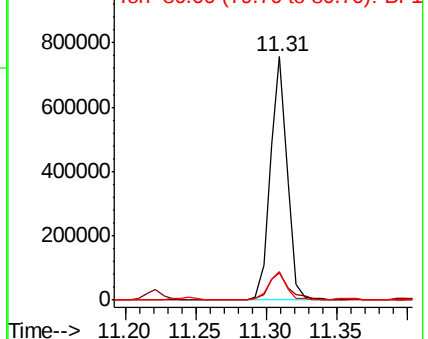
188 100

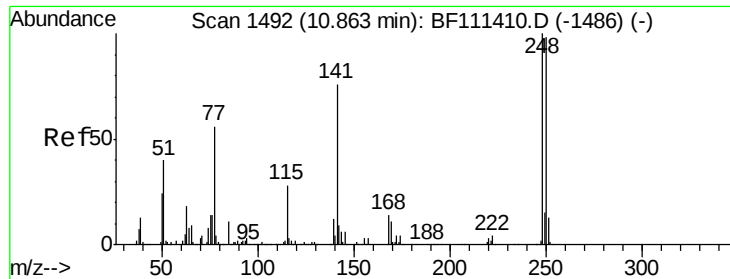
94 11.1 9.6 14.4

80 11.6 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

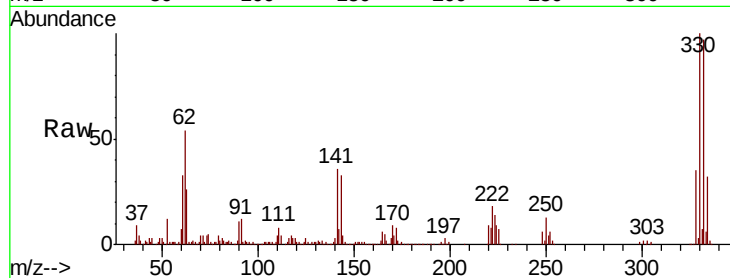




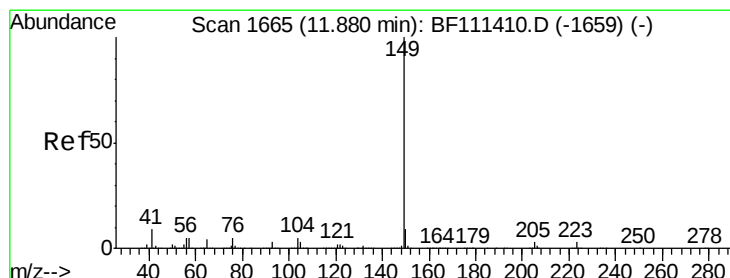
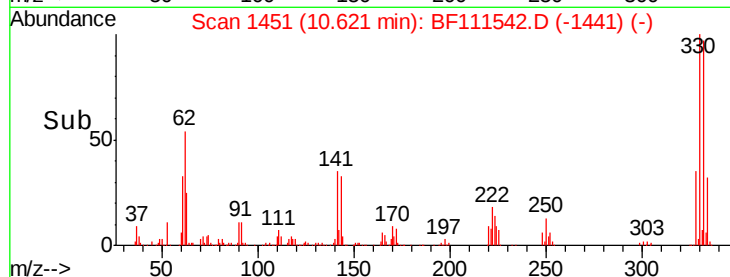
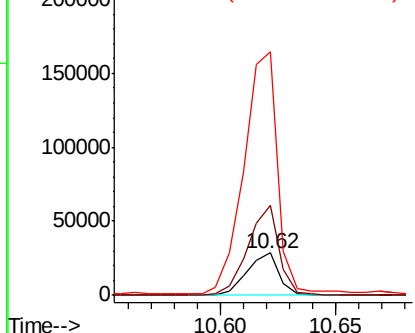
#67
 4-Bromophenyl-phenylether
 Concen: 4.069 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.24 min
 Lab File: BF111542.D
 Acq: 17 Dec 2018 16:45

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Tgt Ion:248 Resp: 27797
 Ion Ratio Lower Upper
 248 100
 250 213.2 77.0 115.4#
 141 578.1 63.0 94.6#

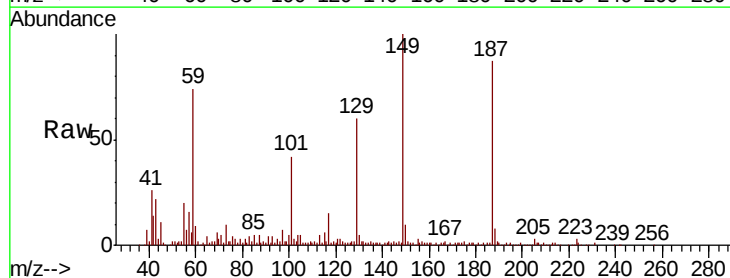


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

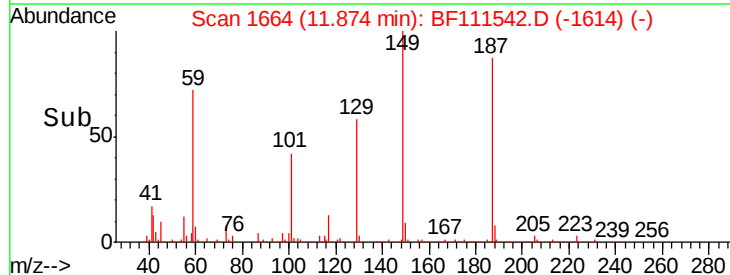
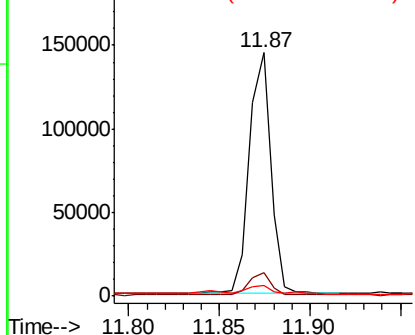


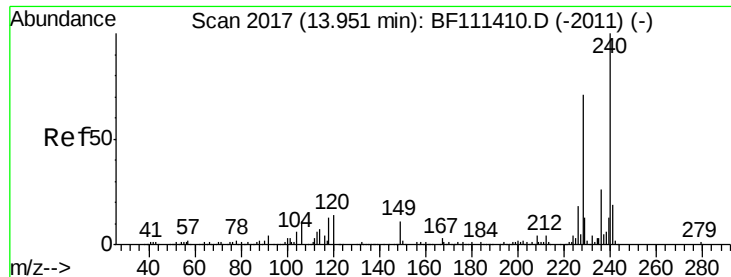
#74
 Di-n-butylphthalate
 Concen: 3.112 ng
 RT: 11.87 min Scan# 1664
 Delta R.T. -0.01 min
 Lab File: BF111542.D
 Acq: 17 Dec 2018 16:45

Tgt Ion:149 Resp: 119722
 Ion Ratio Lower Upper
 149 100
 150 9.8 8.8 13.2
 104 4.6 4.5 6.7



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF111542.D

Acq: 17 Dec 2018 16:45

Instrument :

BNA_F

ClientSampleId :

COMP-2

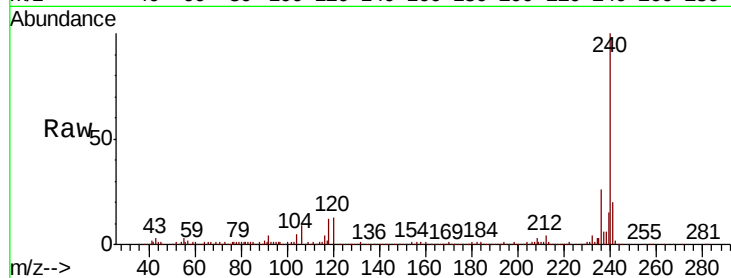
Tgt Ion:240 Resp: 414198

Ion Ratio Lower Upper

240 100

120 13.0 12.2 18.2

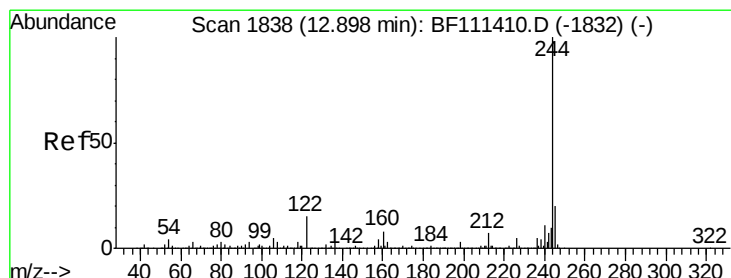
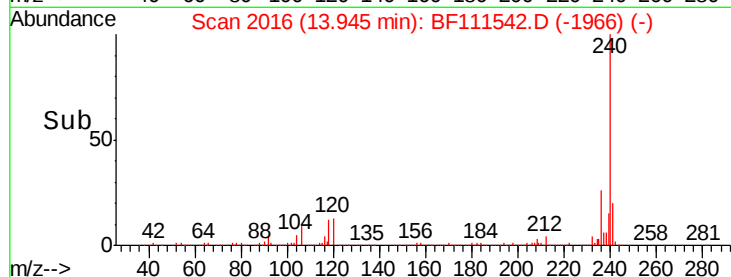
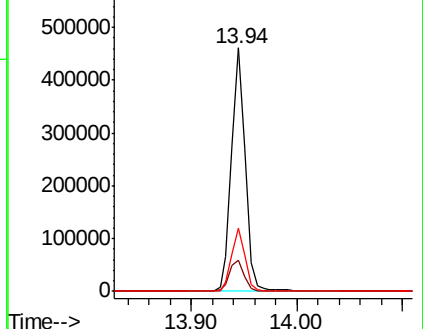
236 25.7 20.2 30.2



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: 104.553 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.00 min

Lab File: BF111542.D

Acq: 17 Dec 2018 16:45

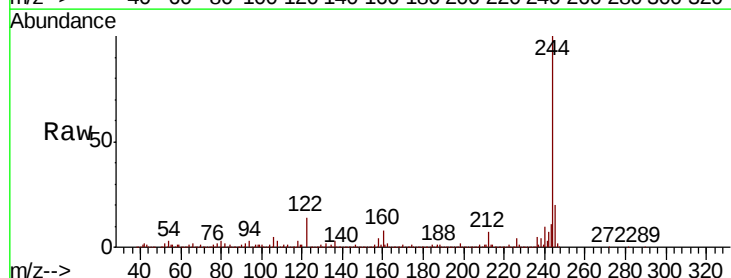
Tgt Ion:244 Resp: 1844169

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

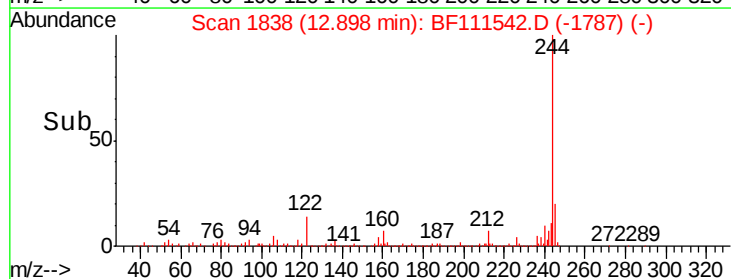
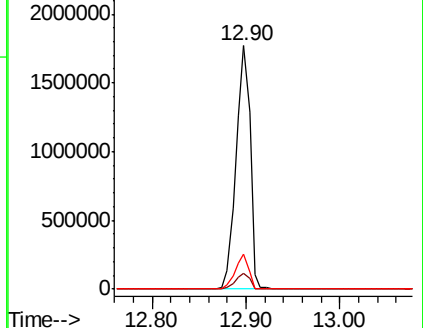
122 14.4 13.1 19.7

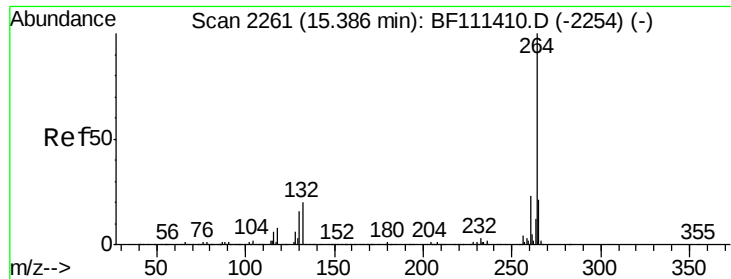


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.39 min Scan# 2261
Delta R.T. -0.00 min
Lab File: BF111542.D
Acq: 17 Dec 2018 16:45

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.3	27.5
265	21.3	17.7	26.5

