

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111744.D
 Acq On : 27 Dec 2018 5:12
 Operator : JU/SJ
 Sample : J6446-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS021-0612-01

Quant Time: Dec 27 05:55:35 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

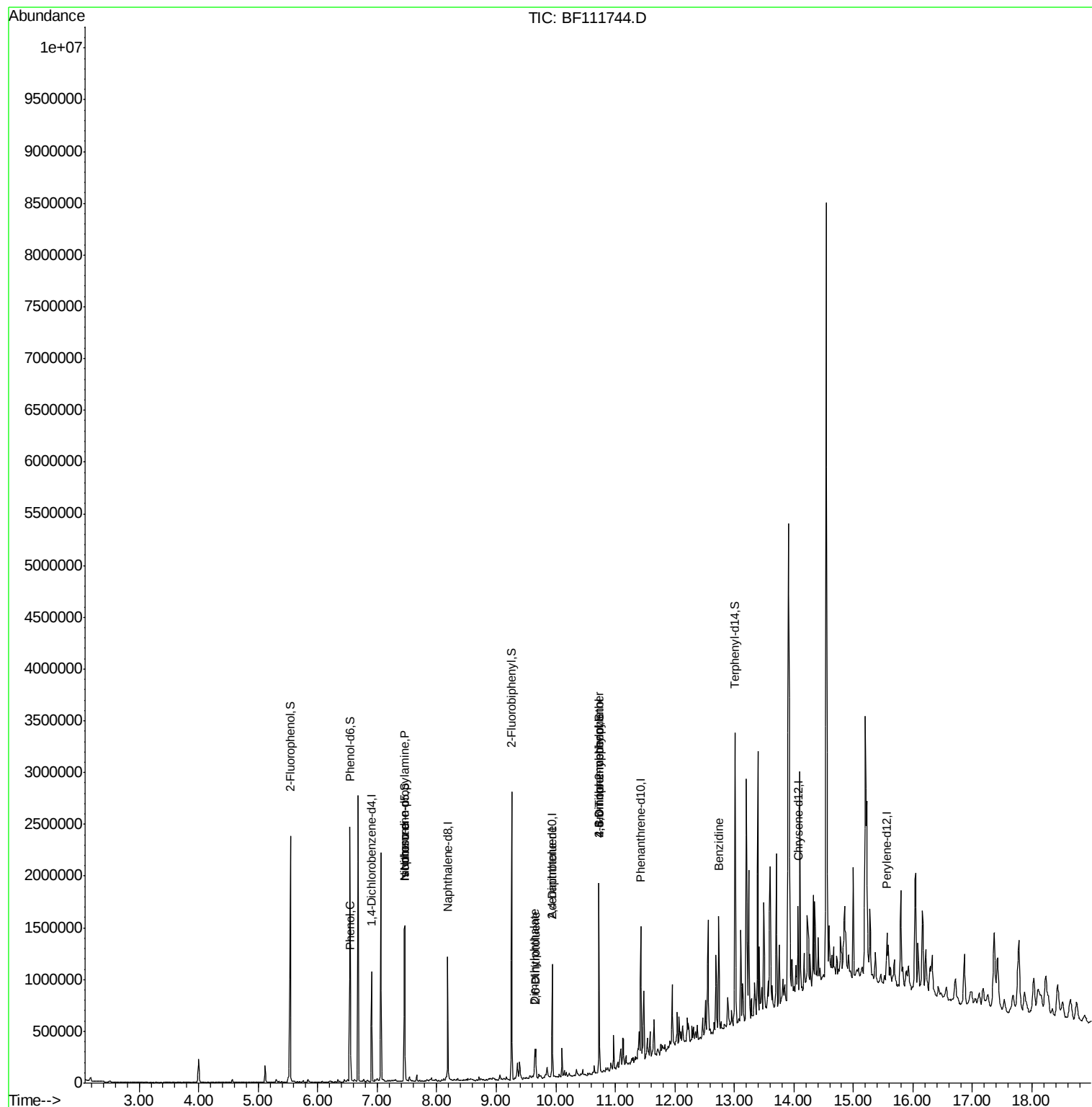
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	134756	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	442259	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	205540	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	407308	20.00	ng	0.01
76) Chrysene-d12	14.07	240	278824	20.00	ng	0.02
87) Perylene-d12	15.56	264	223125	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	616707	78.01	ng	0.02
7) Phenol-d6	6.55	99	734390	72.99	ng	0.02
23) Nitrobenzene-d5	7.46	82	464181	61.09	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	205048	84.43	ng	0.01
45) 2-Fluorobiphenyl	9.26	172	838608	59.47	ng	0.00
79) Terphenyl-d14	13.02	244	877277	59.67	ng	0.02
Target Compounds						
10) Phenol	6.56	94	49544	4.364	ng	96
19) n-Nitroso-di-n-propylamine	7.46	70	64848	9.705	ng	# 78
25) Isophorone	7.46	82	461660	34.226	ng	# 64
50) Dimethylphthalate	9.65	163	105730	7.034	ng	# 98
51) 2,6-Dinitrotoluene	9.66	165	6139	2.048	ng	# 81
57) 2,4-Dinitrotoluene	9.94	165	27319	7.584	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.73	198	424	6.910	ng	# 1
67) 4-Bromophenyl-phenylether	10.73	248	12807	2.535	ng	# 1
77) Benzidine	12.74	184	30145	2.873	ng	# 72

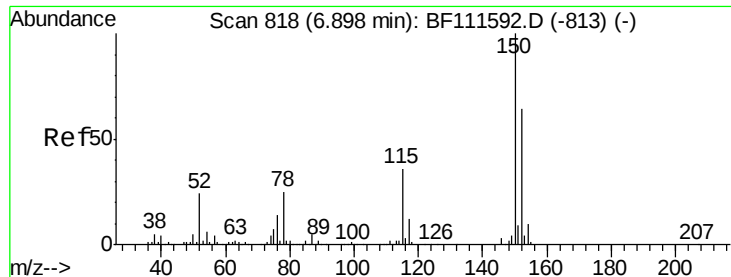
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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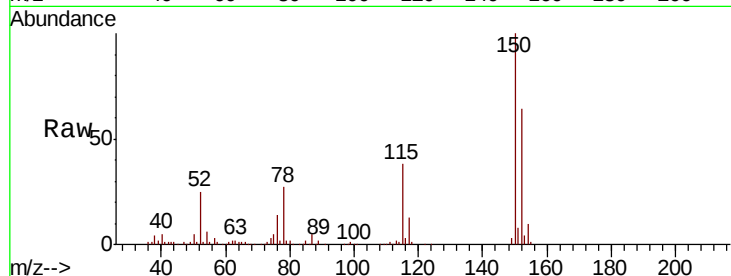


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111744.D
Acq: 27 Dec 2018 5:12

Instrument :
BNA_F
ClientSampleId :
P001-SS021-0612-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	126.6	189.8
115	58.7	50.7	76.1

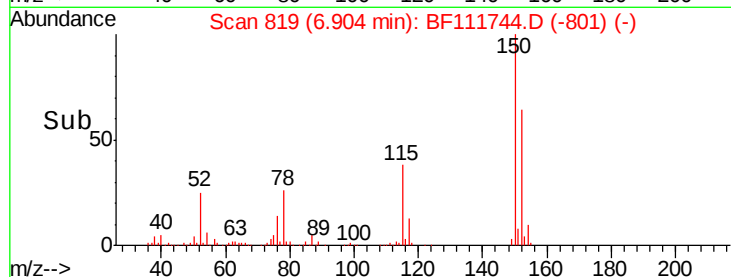
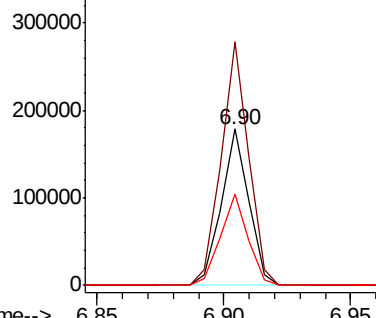


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

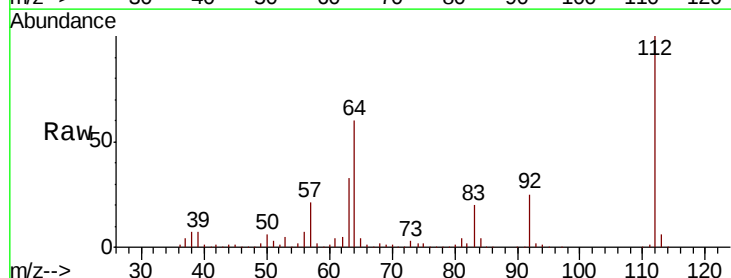
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 78.007 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111744.D
Acq: 27 Dec 2018 5:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	51.8	77.6
63	33.2	26.8	40.2

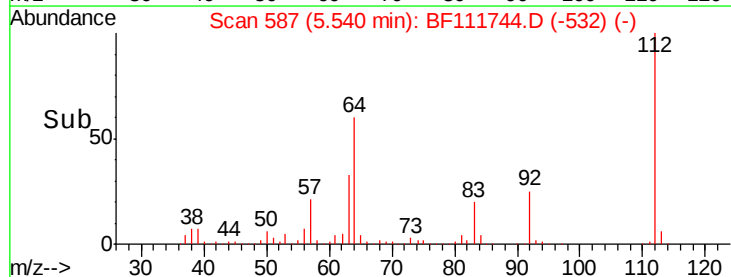
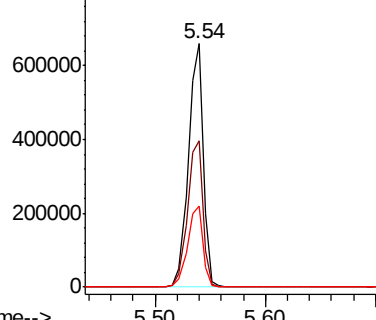


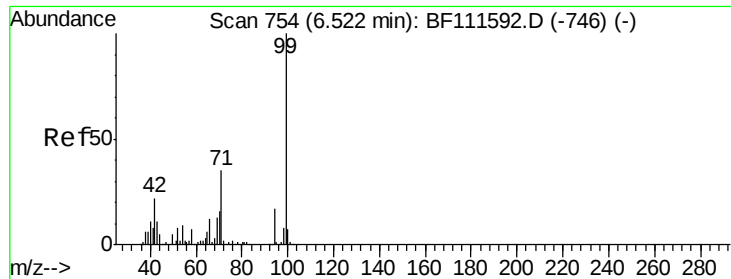
Abundance

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: 72.992 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111744.D

Acq: 27 Dec 2018 5:12

Instrument :

BNA_F

ClientSampleId :

P001-SS021-0612-01

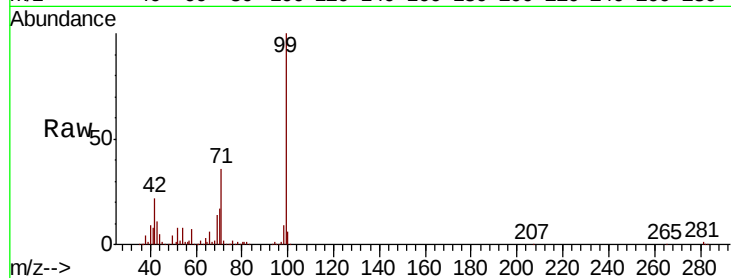
Tot Ion: 99 Resp: 734390

Ion Ratio Lower Upper

99 100

42 21.9 17.4 26.0

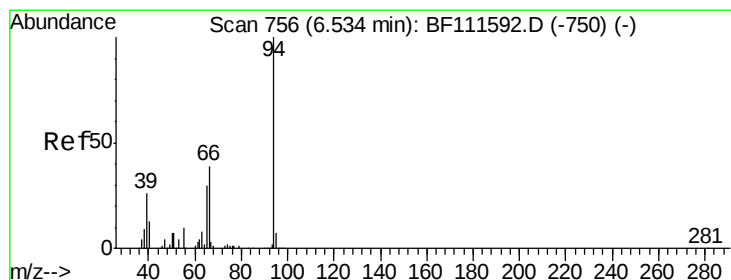
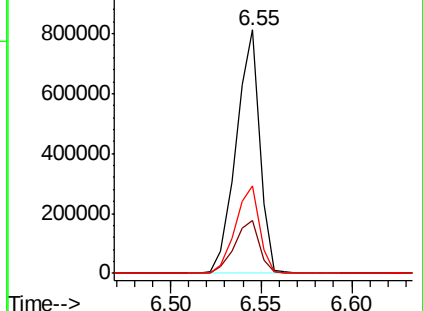
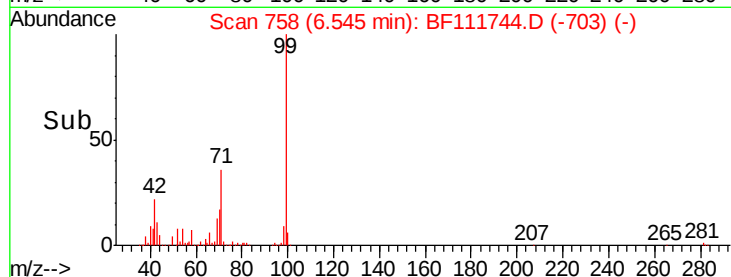
71 36.0 26.1 39.1



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: 4.364 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.02 min

Lab File: BF111744.D

Acq: 27 Dec 2018 5:12

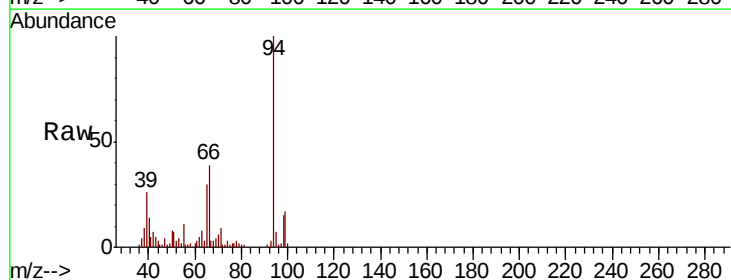
Tgt Ion: 94 Resp: 49544

Ion Ratio Lower Upper

94 100

65 29.8 11.7 51.7

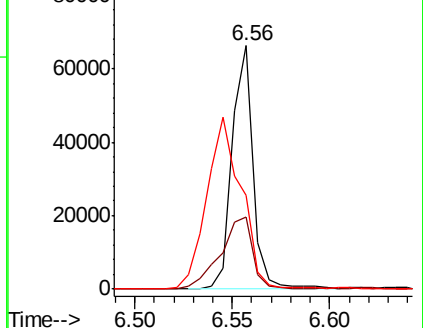
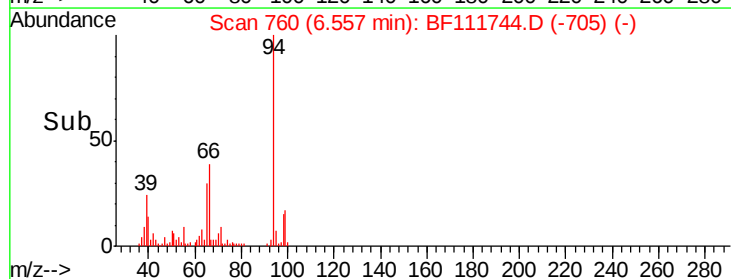
66 38.6 21.0 61.0



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

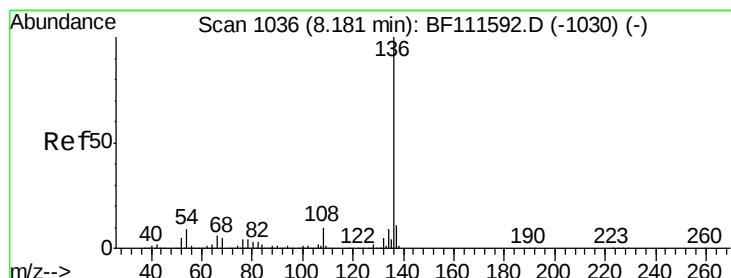
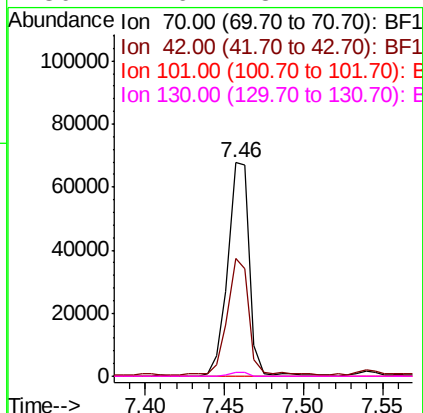
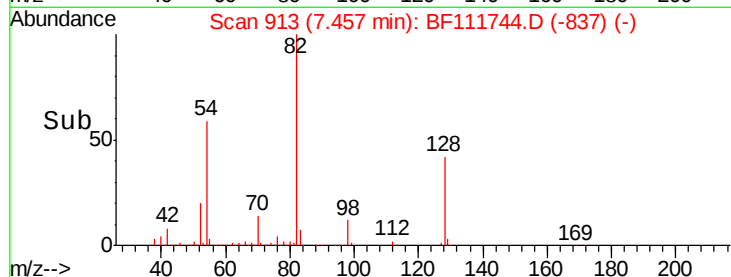
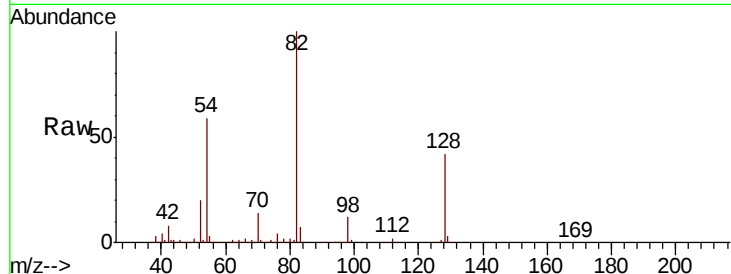




#19
n-Nitroso-di-n-propylamine
Concen: 9.705 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.15 min
Lab File: BF111744.D
Acq: 27 Dec 2018 5:12

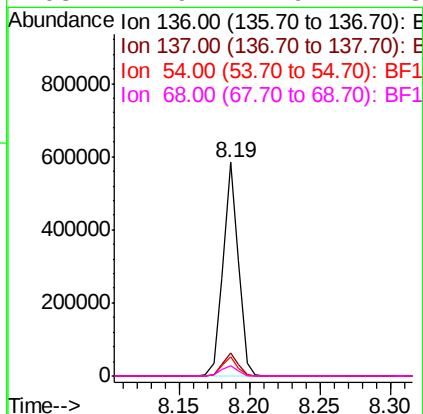
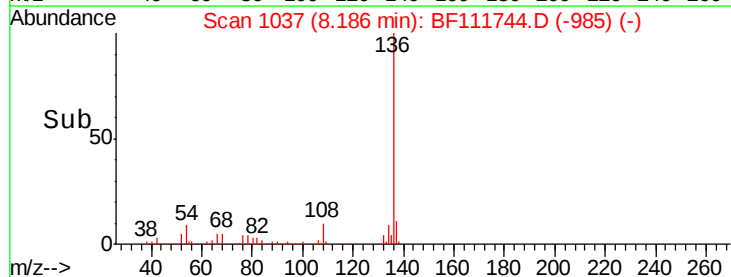
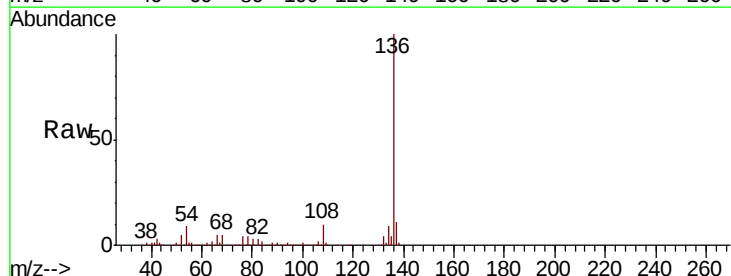
Instrument :
BNA_F
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P001-SS021-0612-01

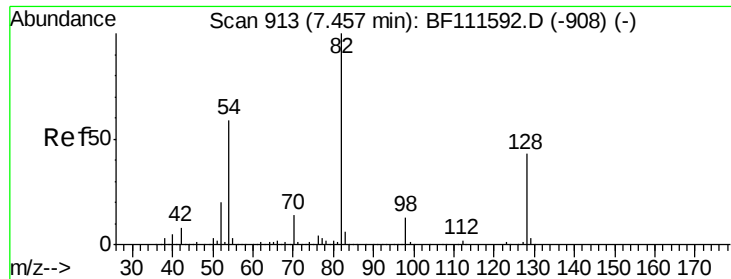
Tot Ion: 70 Resp: 64848
Ion Ratio Lower Upper
70 100
42 55.2 53.2 79.8
101 0.0 8.2 12.4#
130 1.6 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF111744.D
Acq: 27 Dec 2018 5:12

Tgt Ion:136 Resp: 442259
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 9.1 7.7 11.5
68 4.9 4.9 7.3

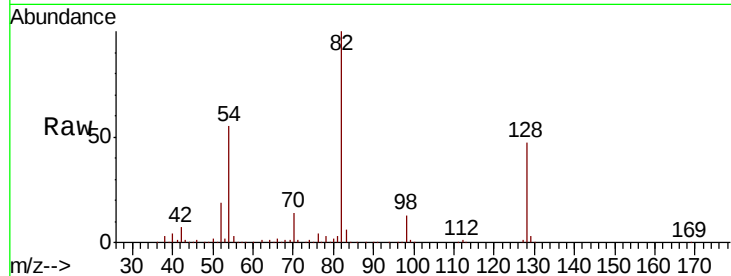




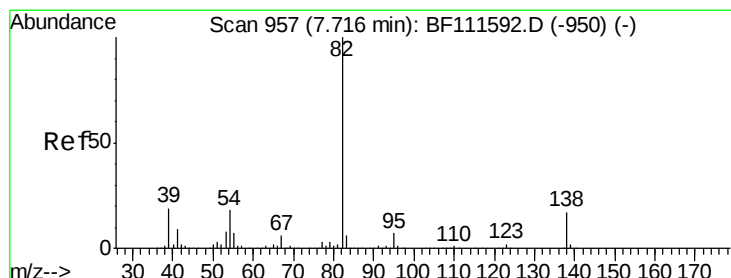
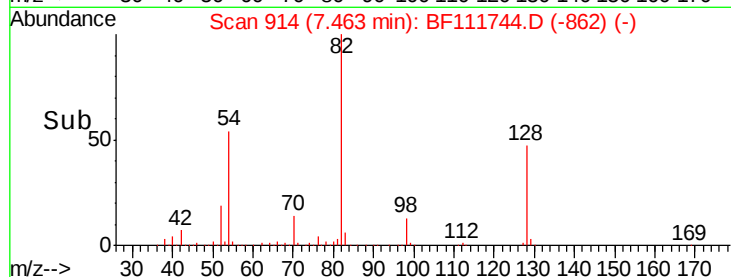
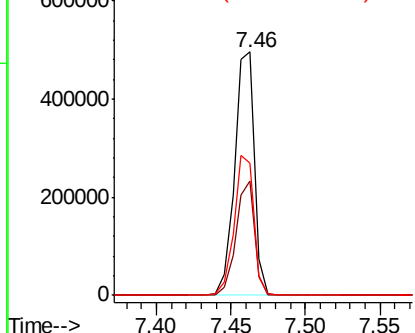
#23
 Nitrobenzene-d5
 Concen: 61.093 ng
 RT: 7.46 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: BF111744.D
 Acq: 27 Dec 2018 5:12

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS021-0612-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.4	56.2
54	54.5	47.6	71.4

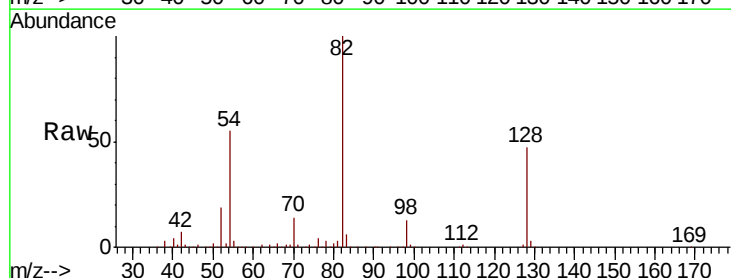


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

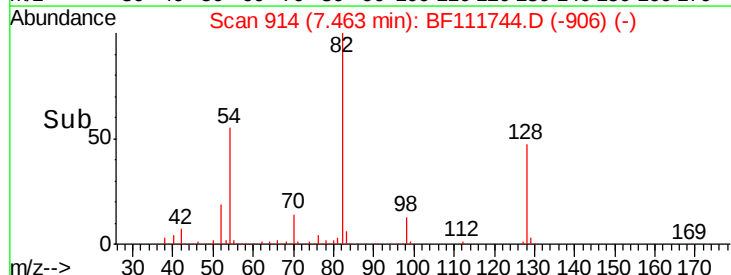
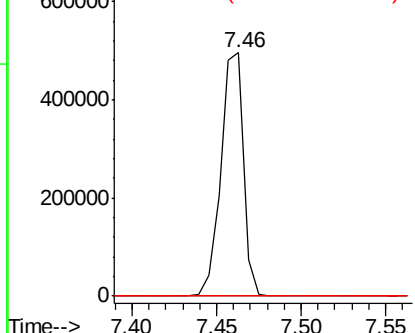


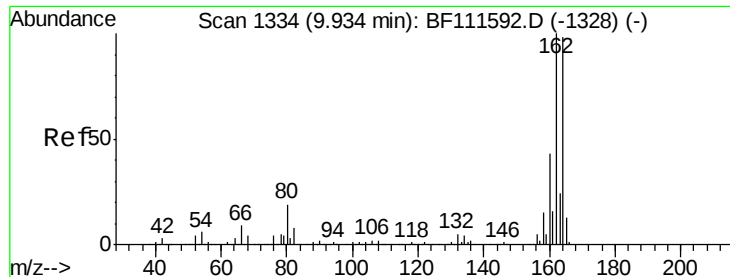
#25
 Isophorone
 Concen: 34.226 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.25 min
 Lab File: BF111744.D
 Acq: 27 Dec 2018 5:12

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	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

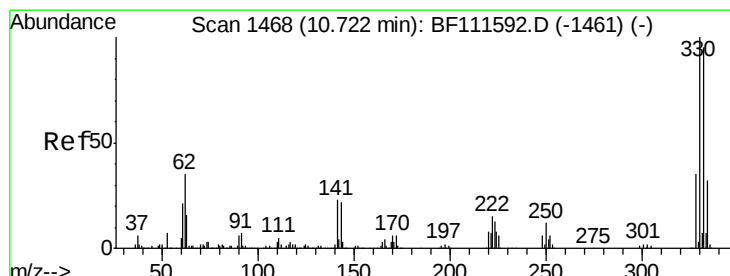
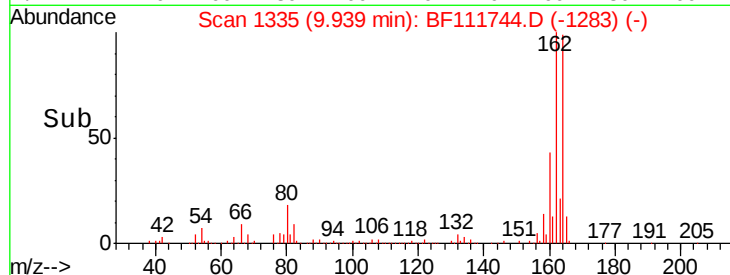
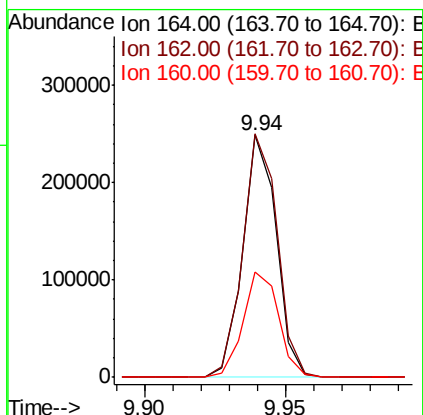
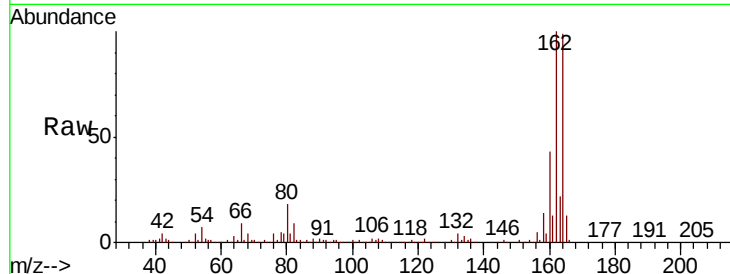




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: BF111744.D
 Acq: 27 Dec 2018 5:12

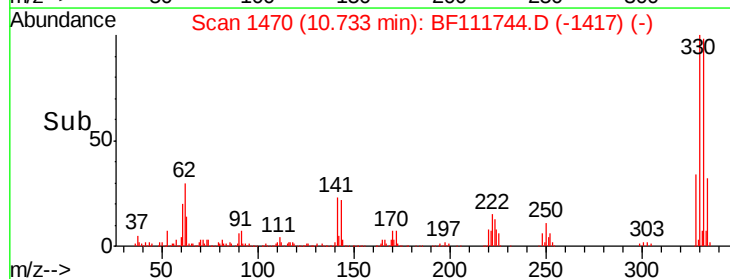
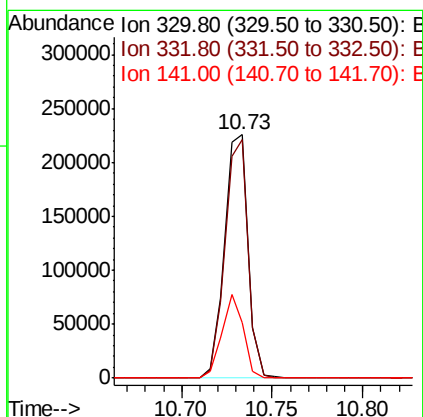
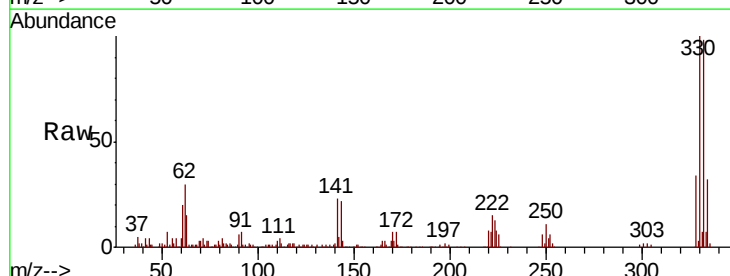
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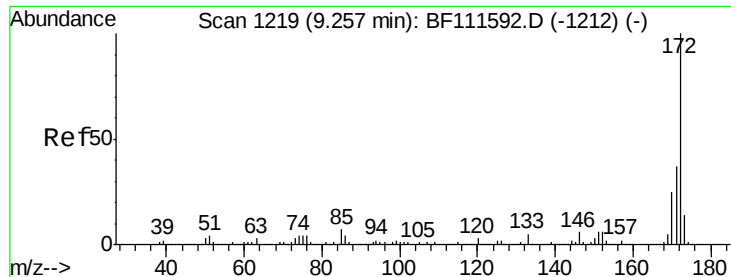
Tot Ion:164 Resp: 205540
 Ion Ratio Lower Upper
 164 100
 162 100.5 81.4 122.0
 160 43.7 35.7 53.5



#42
 2,4,6-Tribromophenol
 Concen: 84.430 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: BF111744.D
 Acq: 27 Dec 2018 5:12

Tgt Ion:330 Resp: 205048
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.0 114.0
 141 31.4 31.0 46.6

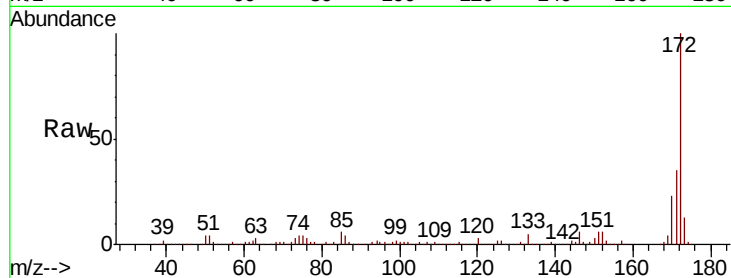




#45
2-Fluorobiphenyl
Concen: 59.469 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111744.D
Acq: 27 Dec 2018 5:12

Instrument :
BNA_F
ClientSampleId :
P001-SS021-0612-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	33.0	49.4
170	23.3	22.3	33.5

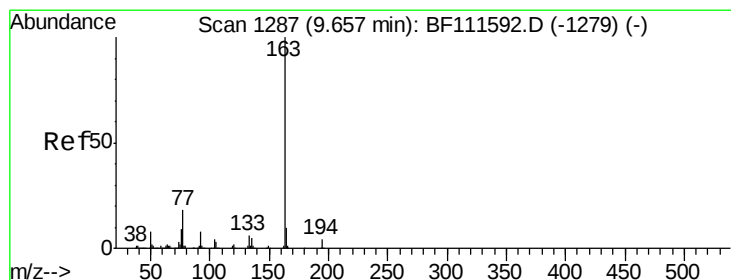
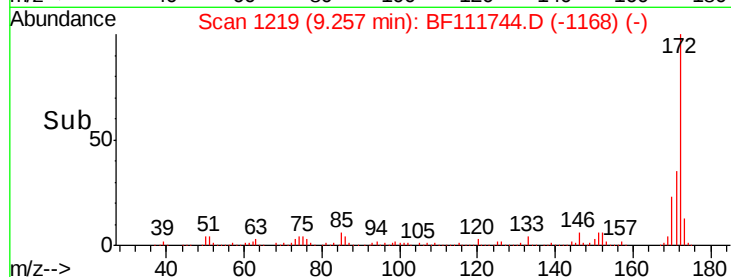
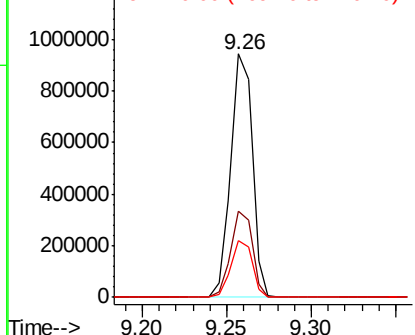


Abundance

Ion 172.00 (171.70 to 172.70): E

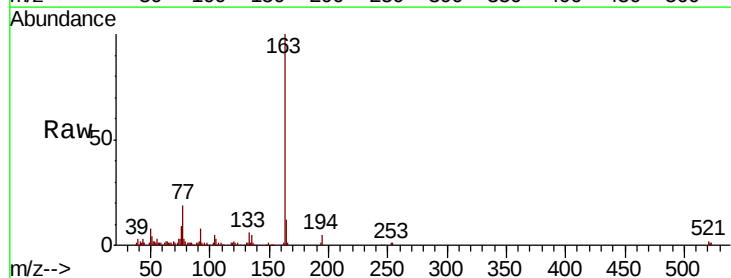
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 7.034 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BF111744.D
Acq: 27 Dec 2018 5:12

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.0	4.6#
164	11.7	8.9	13.3

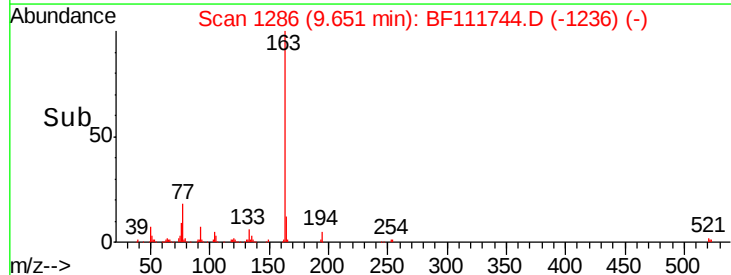
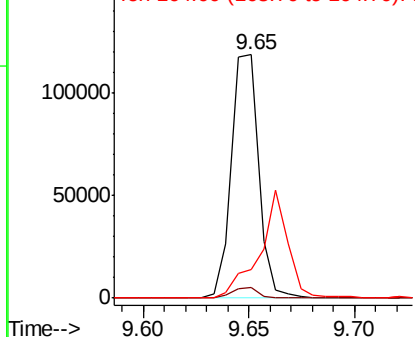


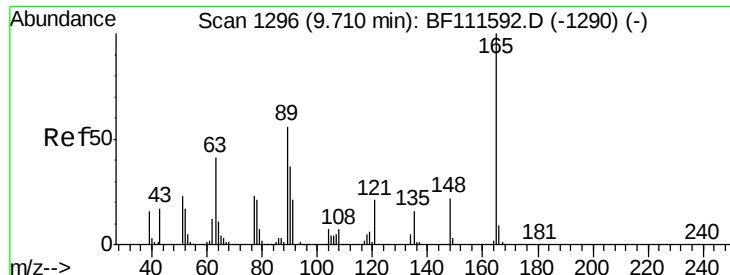
Abundance

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

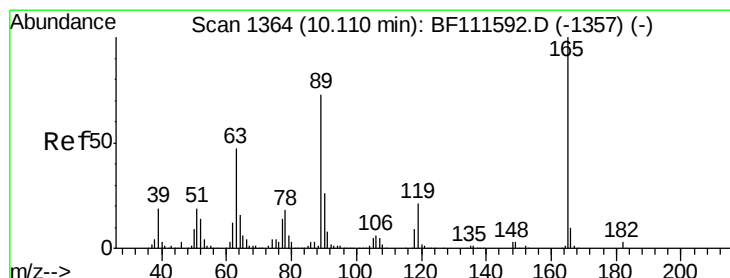
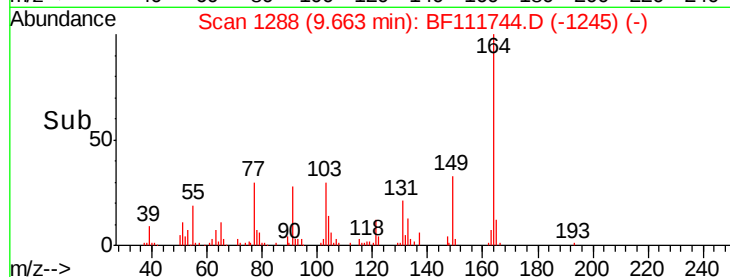
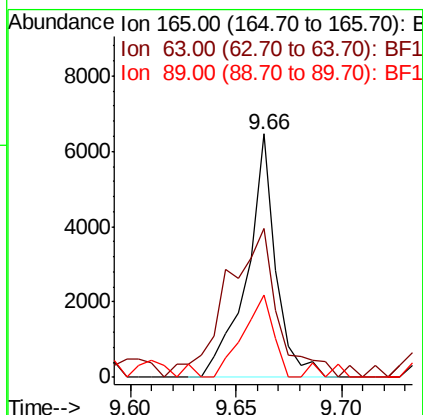
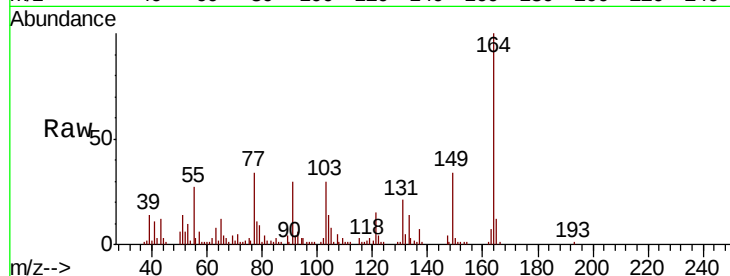




#51
 2,6-Dinitrotoluene
 Concen: 2.048 ng
 RT: 9.66 min Scan# 1288
 Delta R.T. -0.05 min
 Lab File: BF111744.D
 Acq: 27 Dec 2018 5:12

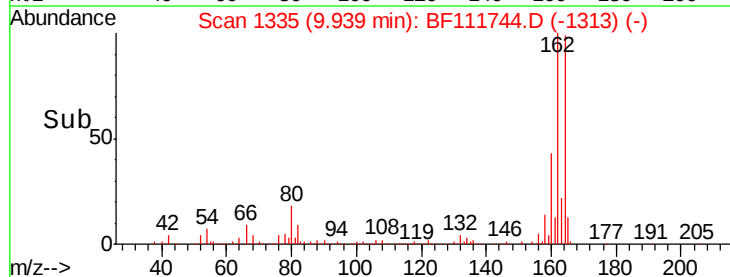
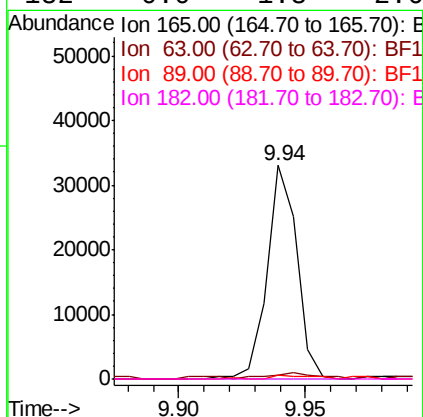
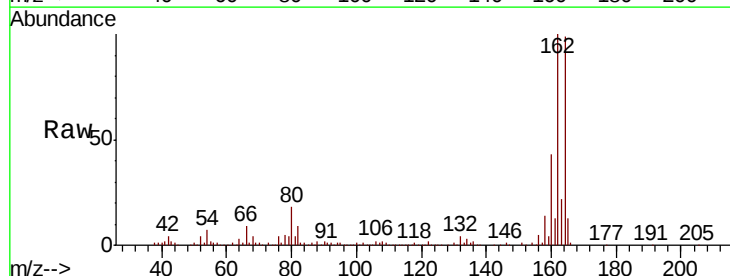
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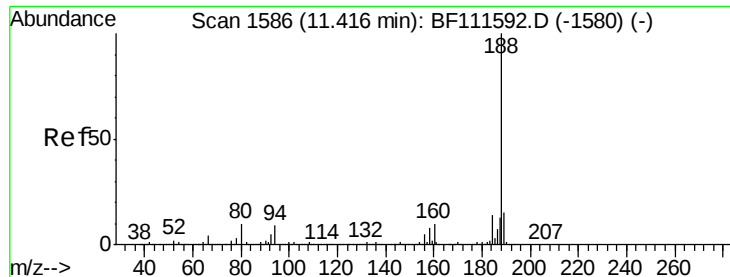
Tot Ion	Ratio	Lower	Upper
165	100		
63	61.3	40.5	60.7#
89	33.9	40.0	60.0#



#57
 2,4-Dinitrotoluene
 Concen: 7.584 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.17 min
 Lab File: BF111744.D
 Acq: 27 Dec 2018 5:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	34.6	52.0#
89	2.1	56.2	84.4#
182	0.0	1.8	2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.01 min

Lab File: BF111744.D

Acq: 27 Dec 2018 5:12

Instrument :

BNA_F

ClientSampleId :

P001-SS021-0612-01

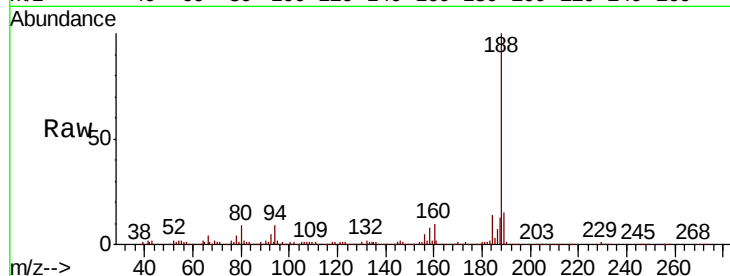
Tot Ion:188 Resp: 407308

Ion Ratio Lower Upper

188 100

94 8.8 9.6 14.4#

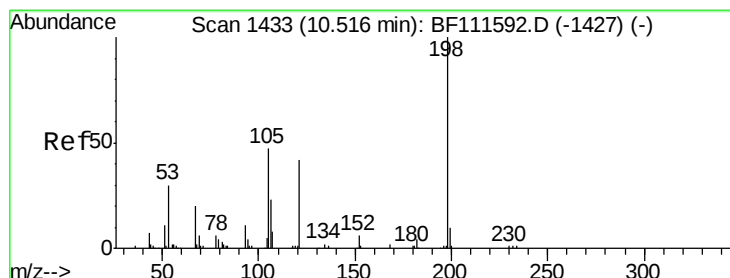
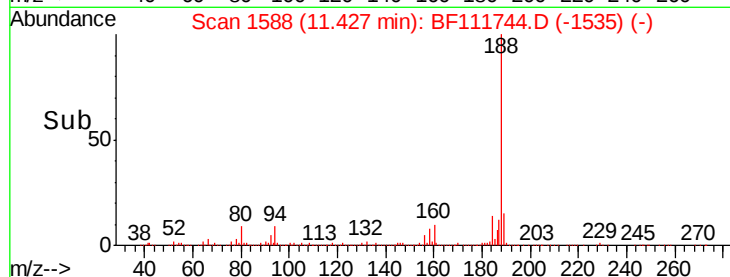
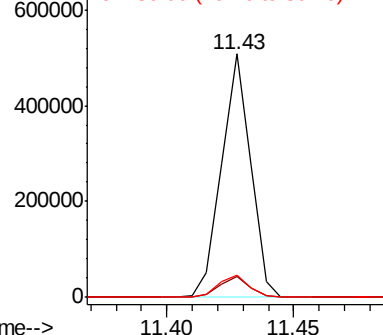
80 9.0 9.8 14.6#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 6.910 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.21 min

Lab File: BF111744.D

Acq: 27 Dec 2018 5:12

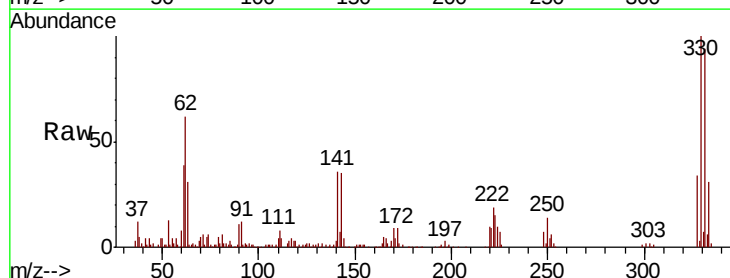
Tgt Ion:198 Resp: 424

Ion Ratio Lower Upper

198 100

51 437.6 48.0 88.0#

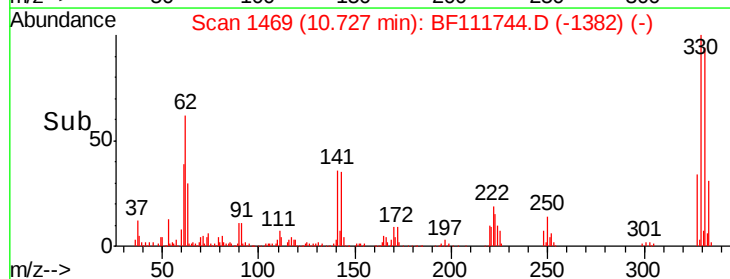
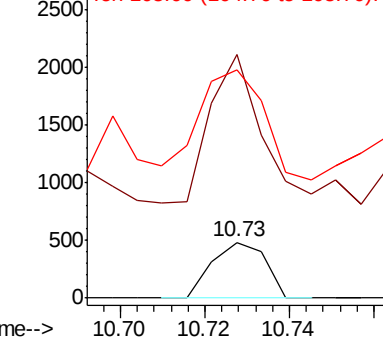
105 409.5 34.0 74.0#

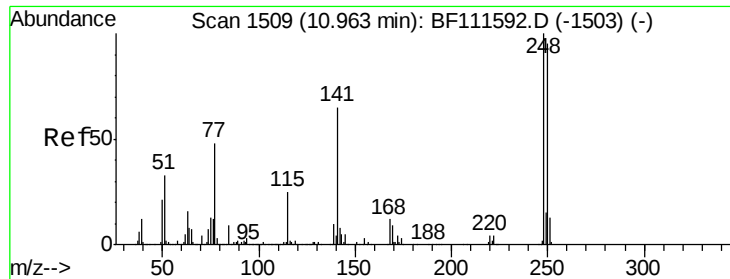


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

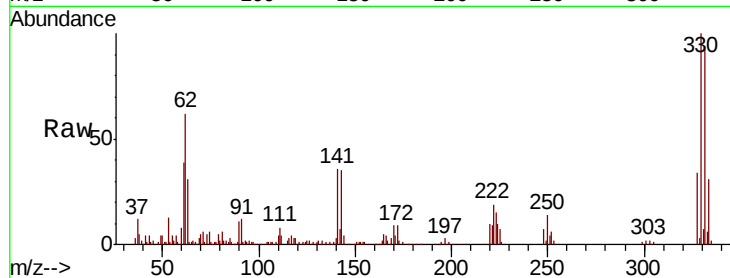




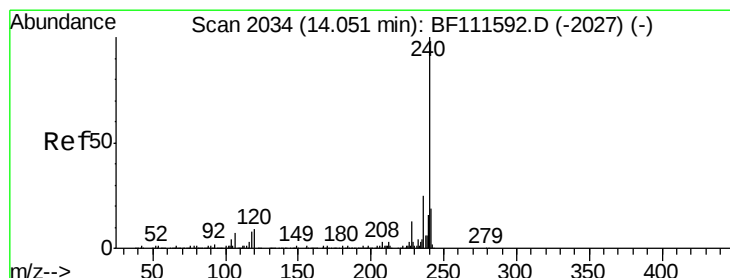
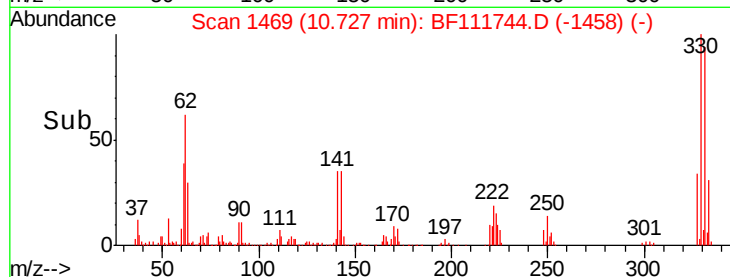
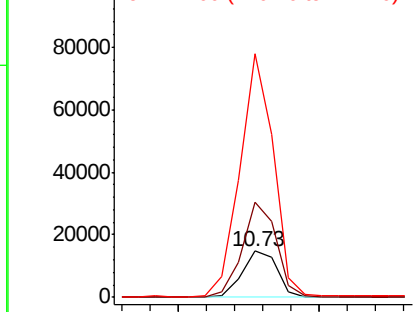
#67
4-Bromophenyl-phenylether
Concen: 2.535 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.24 min
Lab File: BF111744.D
Acq: 27 Dec 2018 5:12

Instrument :
BNA_F
ClientSampleId :
P001-SS021-0612-01

Tot Ion:248 Resp: 12807
Ion Ratio Lower Upper
248 100
250 206.2 77.0 115.4#
141 526.0 63.0 94.6#

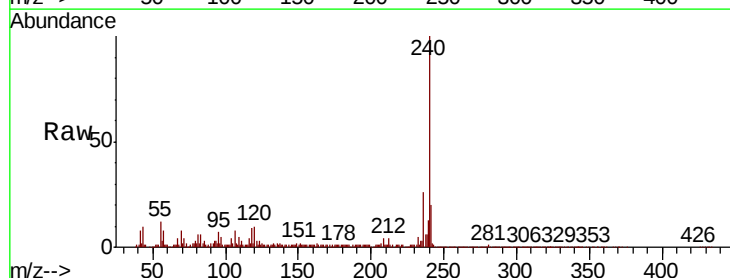


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

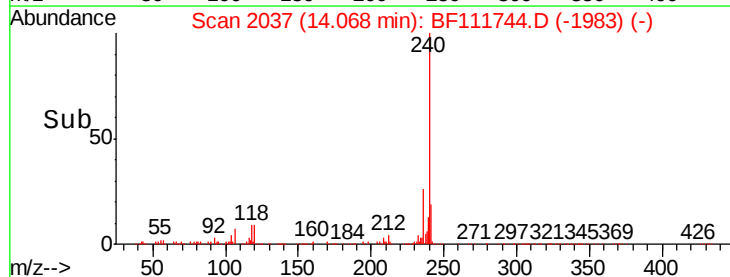
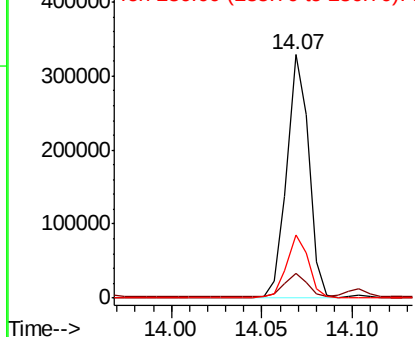


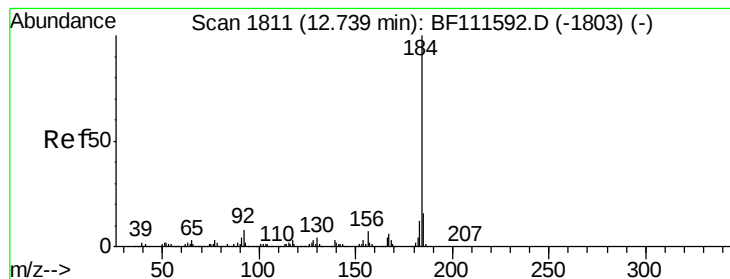
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.02 min
Lab File: BF111744.D
Acq: 27 Dec 2018 5:12

Tgt Ion:240 Resp: 278824
Ion Ratio Lower Upper
240 100
120 10.4 12.2 18.2#
236 26.0 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





#77

Benzidine

Concen: 2.873 ng

RT: 12.74 min Scan# 1811

Delta R.T. -0.00 min

Lab File: BF111744.D

Acq: 27 Dec 2018 5:12

Instrument :

BNA_F

ClientSampleId :

P001-SS021-0612-01

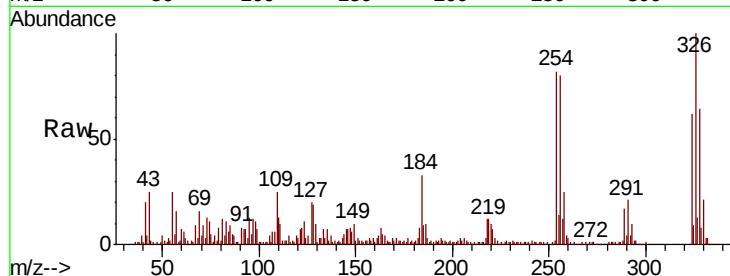
Tot Ion:184 Resp: 30145

Ion Ratio Lower Upper

184 100

185 27.2 13.0 19.6#

183 23.4 9.3 13.9#

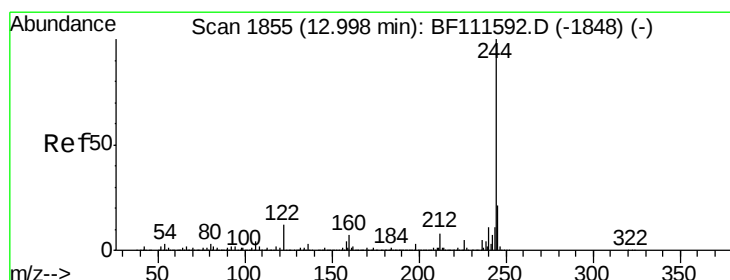
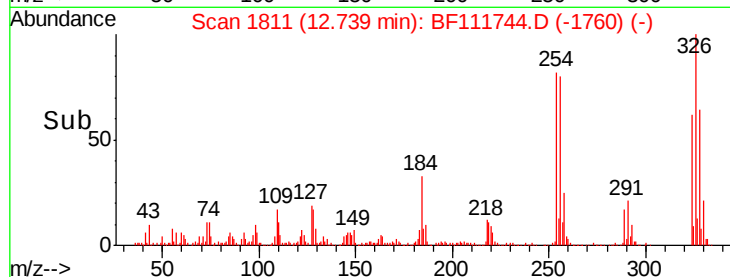
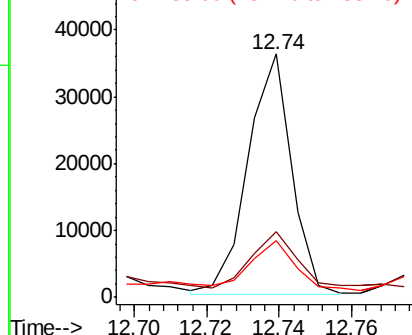


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 59.668 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.02 min

Lab File: BF111744.D

Acq: 27 Dec 2018 5:12

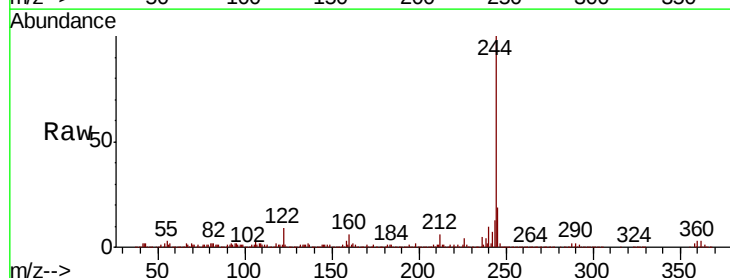
Tgt Ion:244 Resp: 877277

Ion Ratio Lower Upper

244 100

212 6.4 5.7 8.5

122 9.0 13.1 19.7#

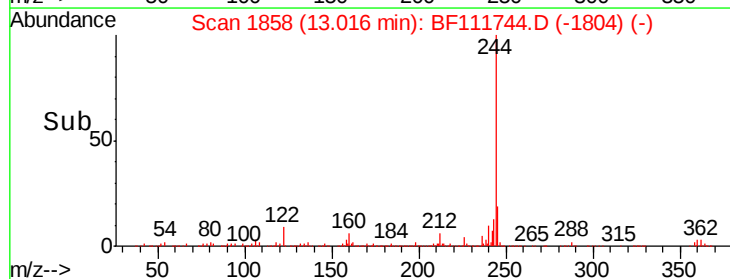
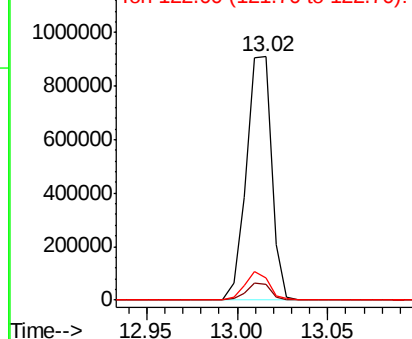


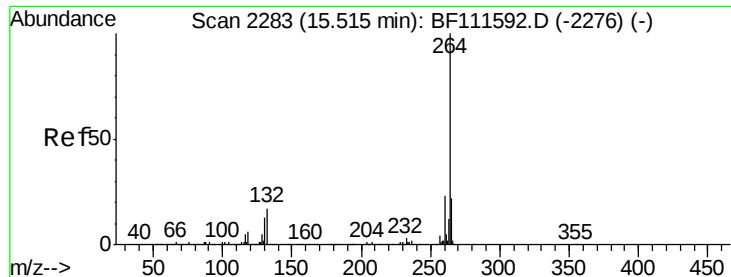
Abundance

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

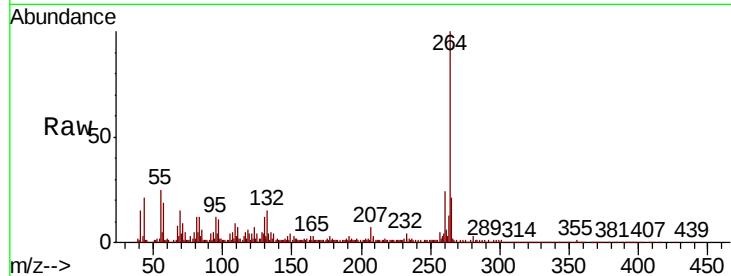




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2291
 Delta R.T. 0.05 min
 Lab File: BF111744.D
 Acq: 27 Dec 2018 5:12

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS021-0612-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.3	27.5
265	21.1	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

