

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
 Data File : BF111834.D
 Acq On : 3 Jan 2019 21:16
 Operator : JU/SJ
 Sample : K1019-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 01:34:36 2019
 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

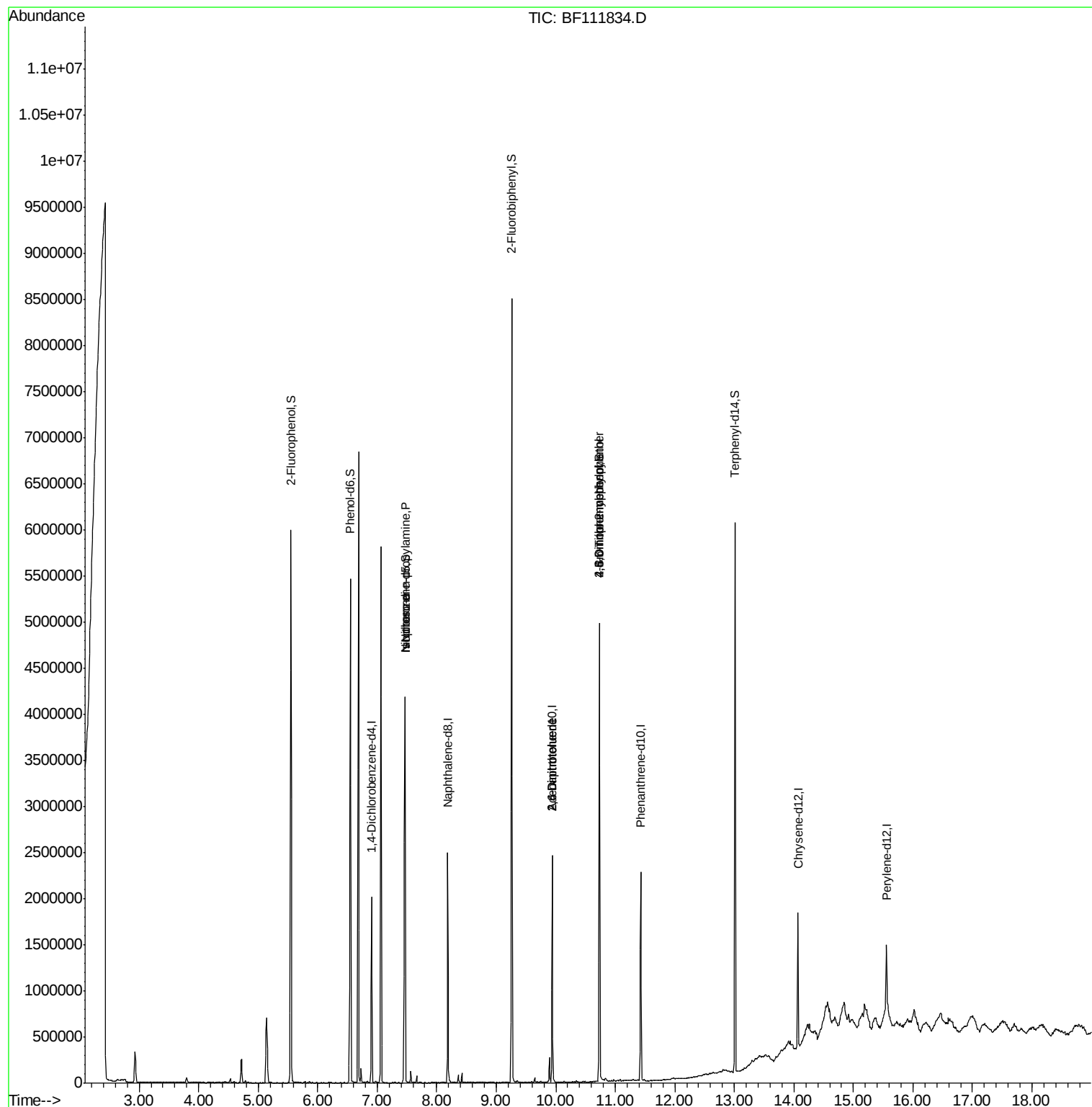
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	260159	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	978225	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	472137	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	748826	20.00	ng	0.01
76) Chrysene-d12	14.07	240	527053	20.00	ng	0.02
87) Perylene-d12	15.56	264	377765	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1672277	109.57	ng	0.04
7) Phenol-d6	6.55	99	2024593	104.23	ng	0.03
23) Nitrobenzene-d5	7.47	82	1505956	89.61	ng	0.01
42) 2,4,6-Tribromophenol	10.73	330	691658	123.98	ng	0.01
45) 2-Fluorobiphenyl	9.26	172	2665462	82.29	ng	0.00
79) Terphenyl-d14	13.02	244	2318775	83.43	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.47	70	206599	16.016	ng	# 74
25) Isophorone	7.47	82	1503836	50.405	ng	# 64
51) 2,6-Dinitrotoluene	9.94	165	59612	8.659	ng	# 29
57) 2,4-Dinitrotoluene	9.94	165	59612	7.205	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.73	198	1239	7.037	ng	# 1
67) 4-Bromophenyl-phenylether	10.73	248	42610	4.588	ng	# 1

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

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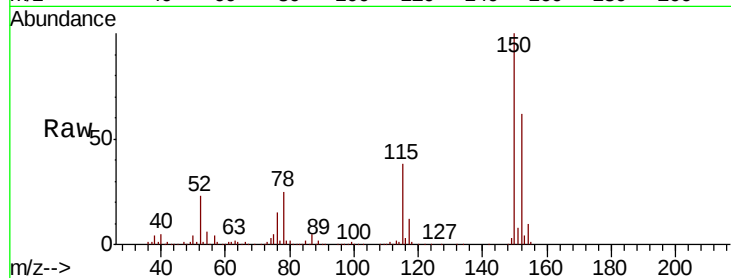


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111834.D
Acq: 3 Jan 2019 21:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.3	126.6	189.8
115	60.9	50.7	76.1

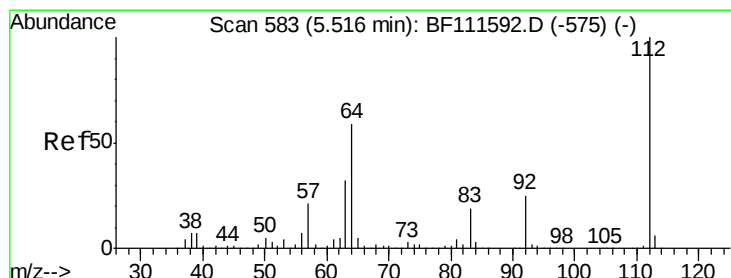
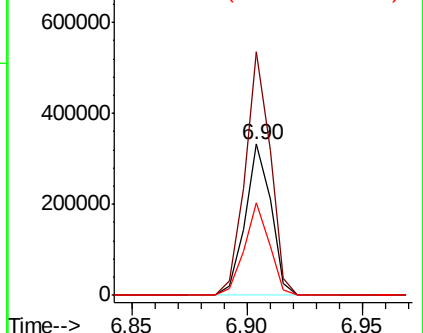
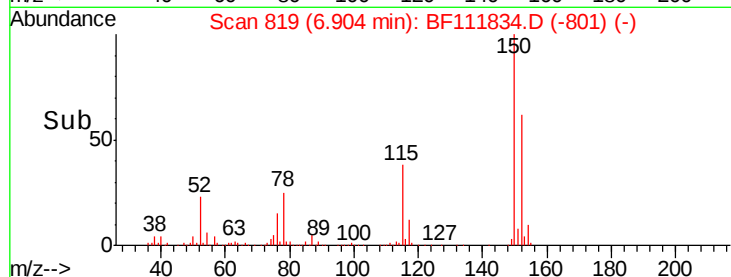


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

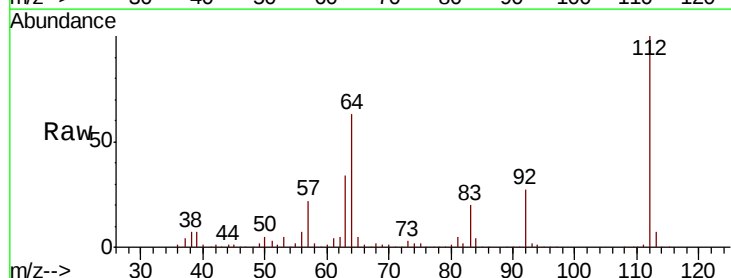
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 109.566 ng
RT: 5.55 min Scan# 589
Delta R.T. 0.04 min
Lab File: BF111834.D
Acq: 3 Jan 2019 21:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	51.8	77.6
63	34.1	26.8	40.2

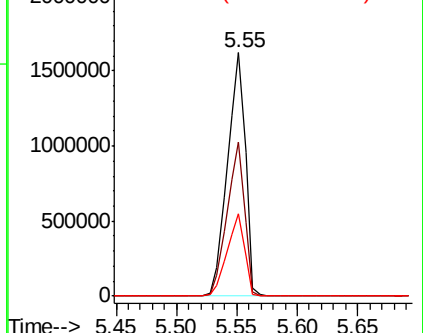
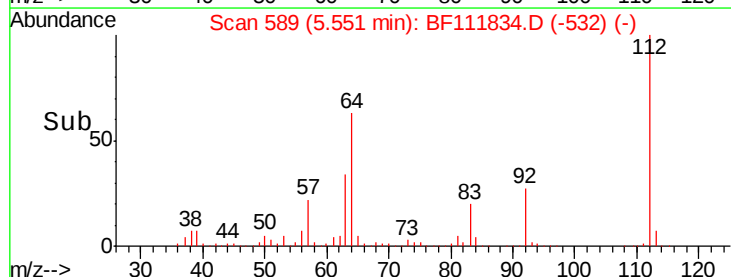


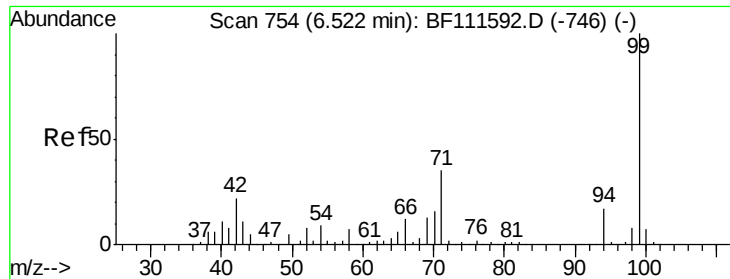
Abundance

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: 104.231 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.03 min

Lab File: BF111834.D

Acq: 3 Jan 2019 21:16

Instrument :

BNA_F

ClientSampleId :

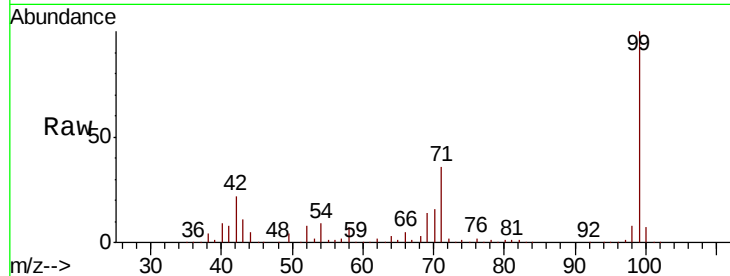
Tot Ion: 99 Resp: 2024593

Ion Ratio Lower Upper

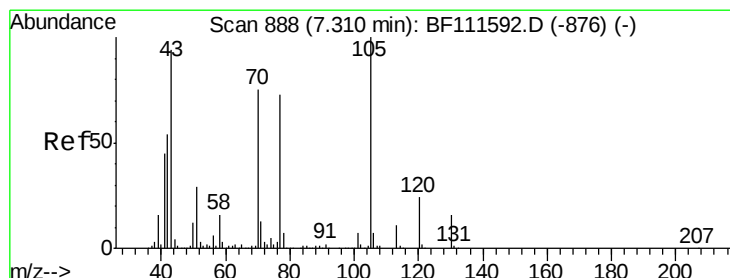
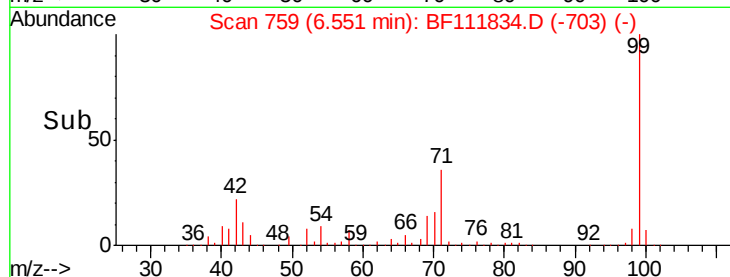
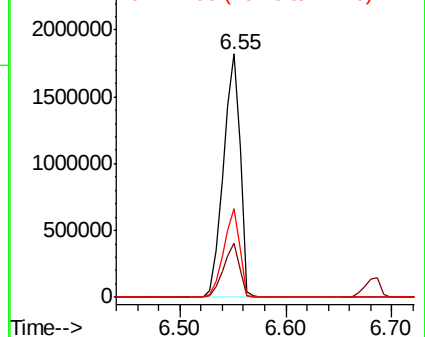
99 100

42 22.0 17.4 26.0

71 36.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.016 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.16 min

Lab File: BF111834.D

Acq: 3 Jan 2019 21:16

Tgt Ion: 70 Resp: 206599

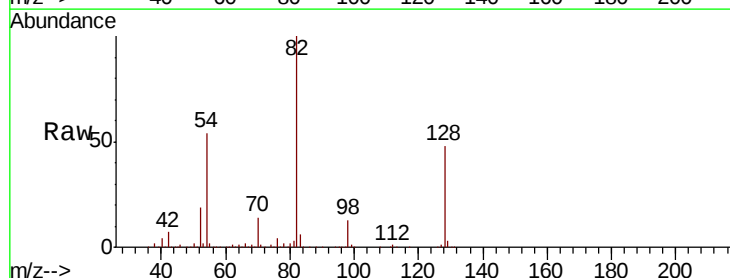
Ion Ratio Lower Upper

70 100

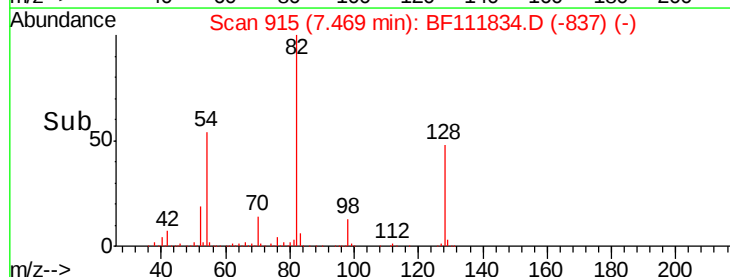
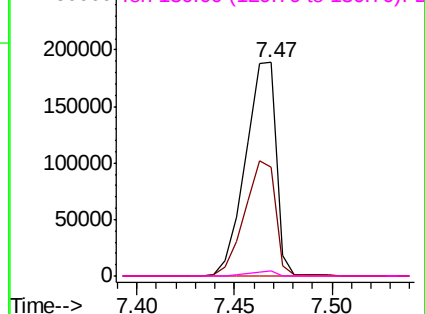
42 50.9 53.2 79.8#

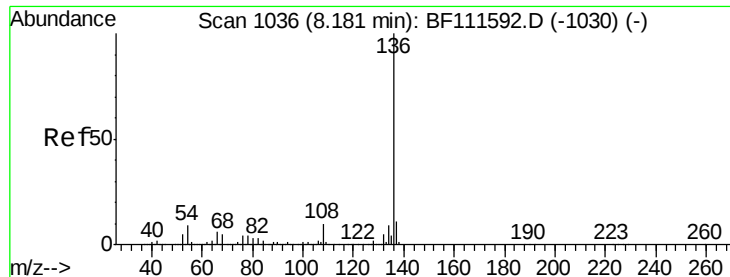
101 0.0 8.2 12.4#

130 2.3 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): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF111834.D

Acq: 3 Jan 2019 21:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 978225

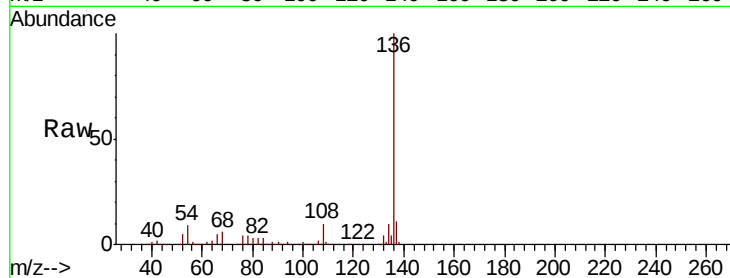
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 8.7 7.7 11.5

68 5.8 4.9 7.3

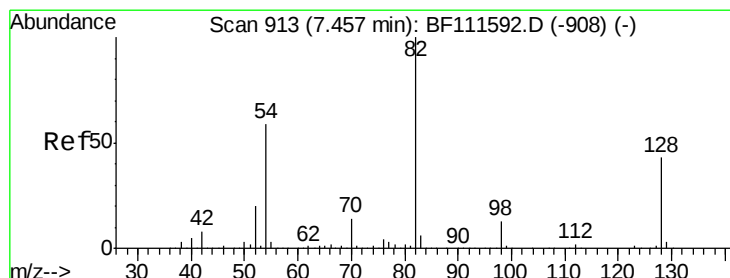
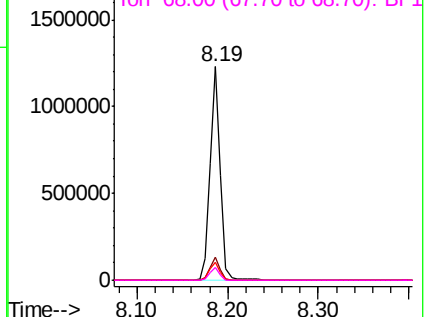
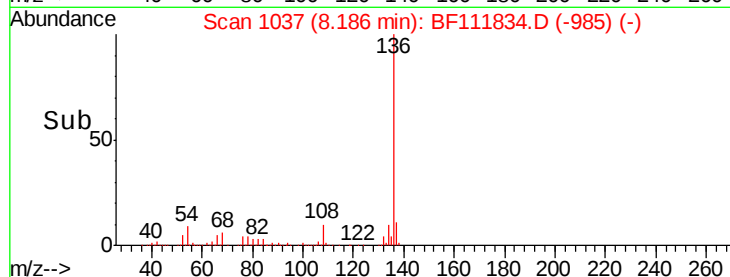


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.610 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF111834.D

Acq: 3 Jan 2019 21:16

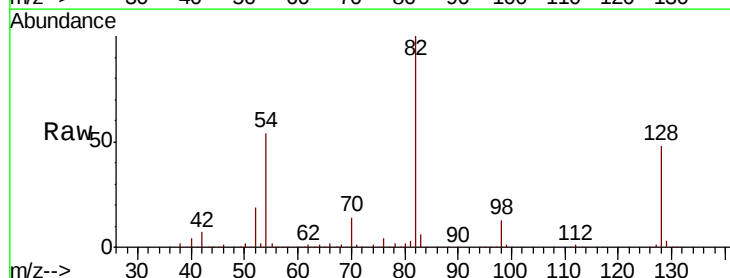
Tgt Ion: 82 Resp: 1505956

Ion Ratio Lower Upper

82 100

128 48.1 37.4 56.2

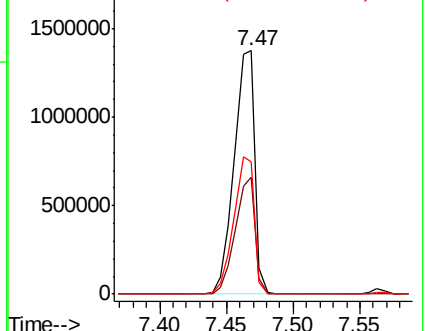
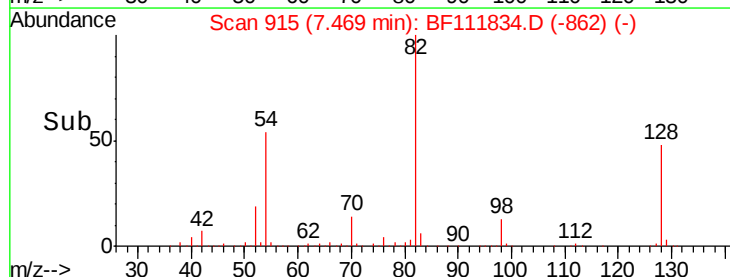
54 54.4 47.6 71.4

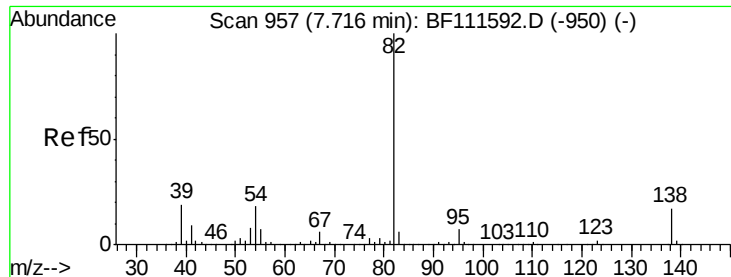


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 50.405 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.25 min

Lab File: BF111834.D

Acq: 3 Jan 2019 21:16

Instrument :

BNA_F

ClientSampled :

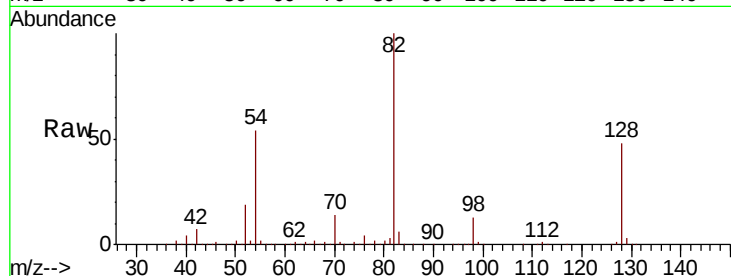
Tot Ion: 82 Resp: 1503836

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

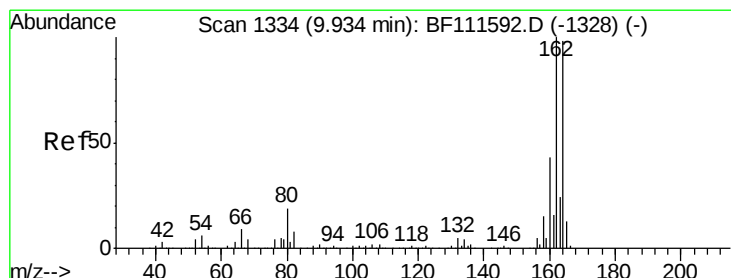
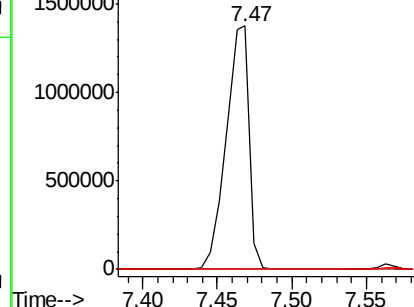
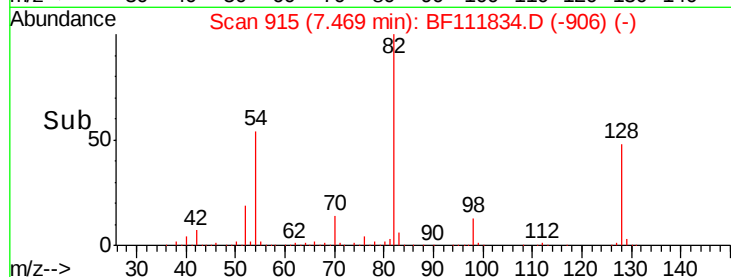
138 0.0 15.1 22.7#



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: BF111834.D

Acq: 3 Jan 2019 21:16

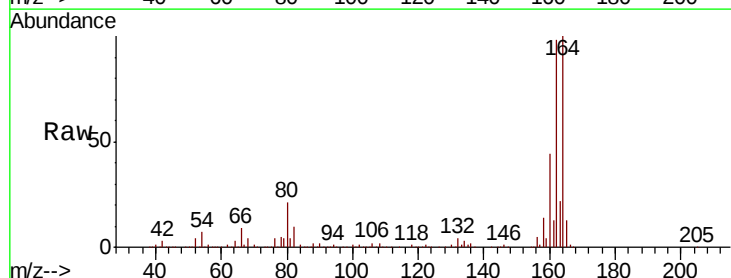
Tgt Ion:164 Resp: 472137

Ion Ratio Lower Upper

164 100

162 98.4 81.4 122.0

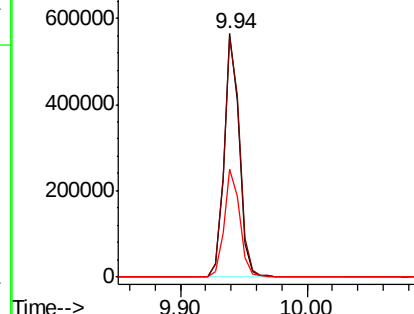
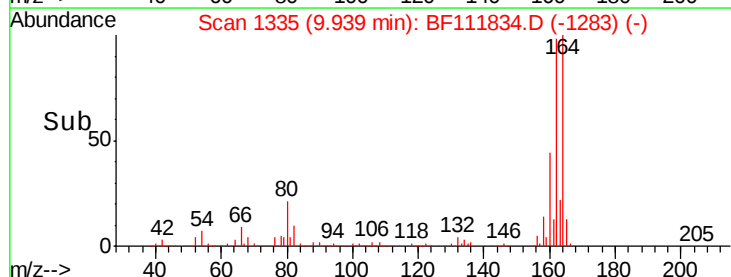
160 44.2 35.7 53.5

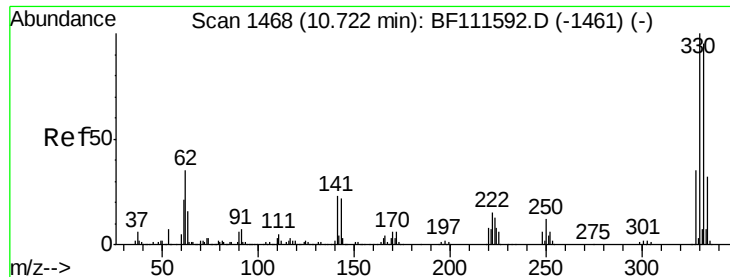


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

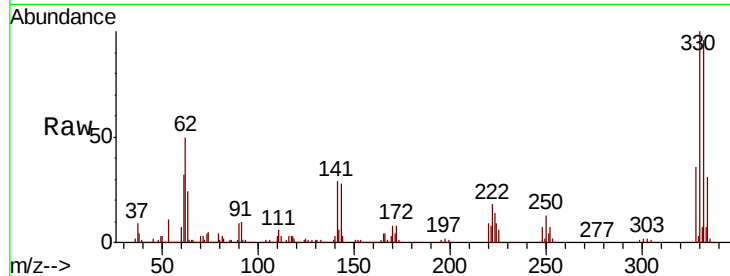




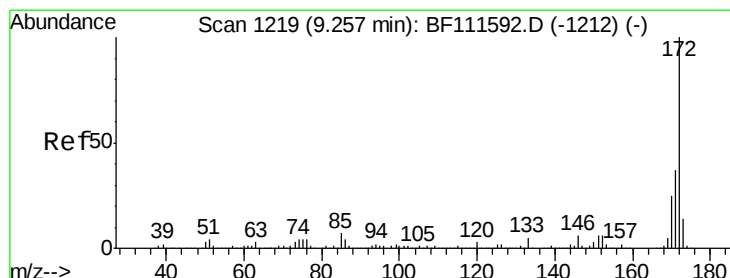
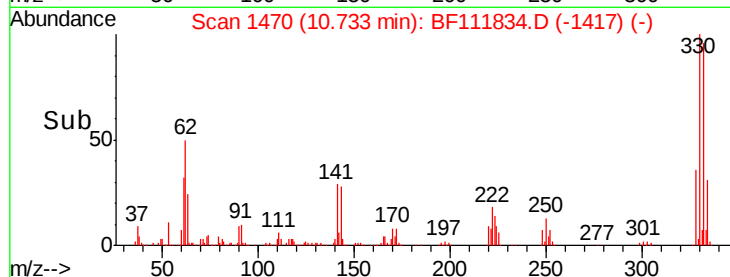
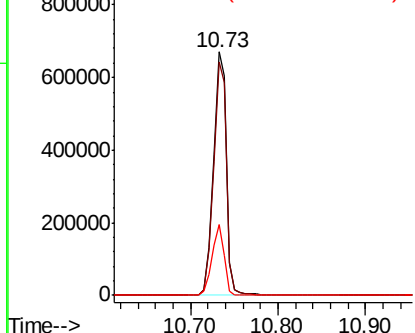
#42
 2,4,6-Tribromophenol
 Concen: 123.983 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: BF111834.D
 Acq: 3 Jan 2019 21:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 691658
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.0 114.0
 141 27.3 31.0 46.6#

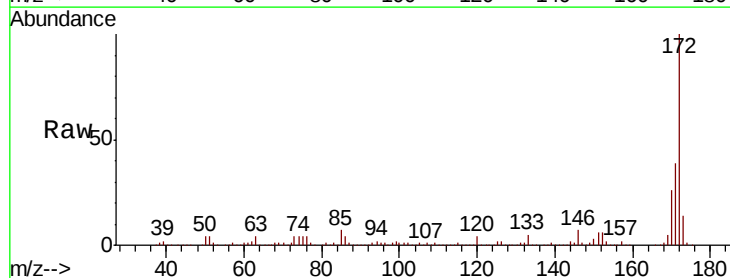


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

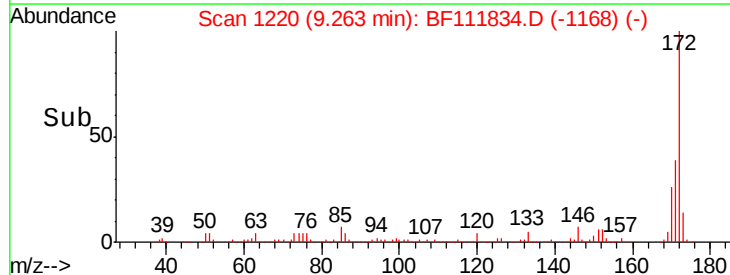
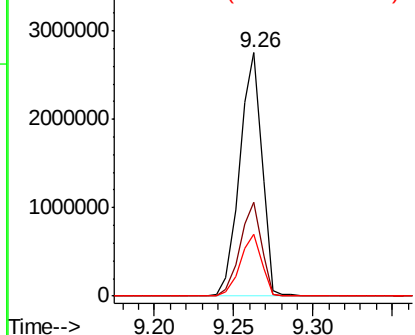


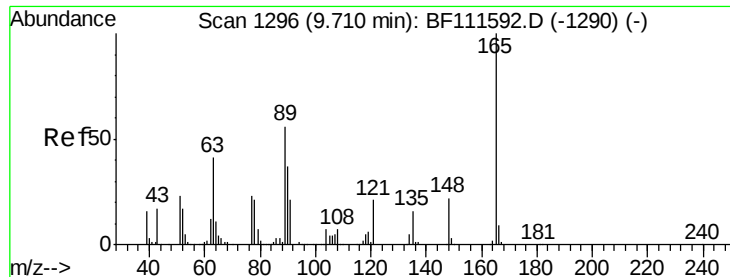
#45
 2-Fluorobiphenyl
 Concen: 82.288 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: BF111834.D
 Acq: 3 Jan 2019 21:16

Tgt Ion:172 Resp: 2665462
 Ion Ratio Lower Upper
 172 100
 171 38.5 33.0 49.4
 170 25.6 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





#51

2,6-Dinitrotoluene

Concen: 8.659 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.23 min

Lab File: BF111834.D

Acq: 3 Jan 2019 21:16

Instrument :

BNA_F

ClientSampled :

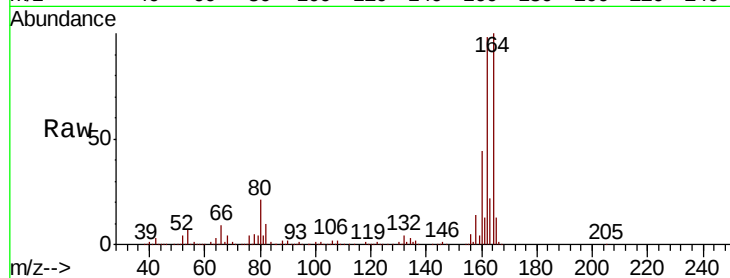
Tot Ion:165 Resp: 59612

Ion Ratio Lower Upper

165 100

63 1.3 40.5 60.7#

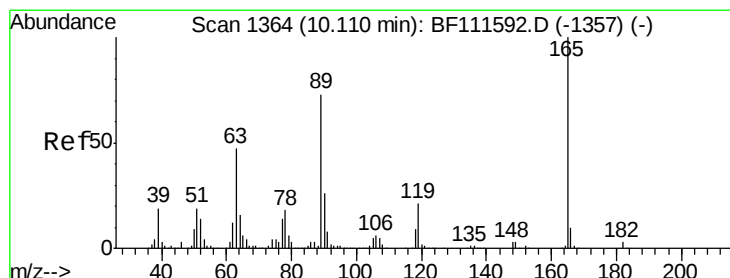
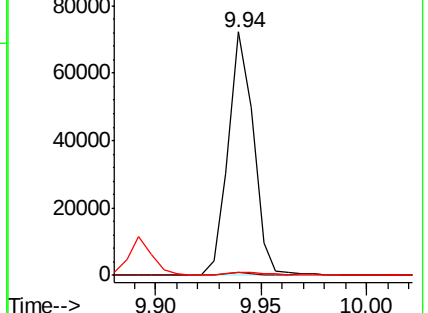
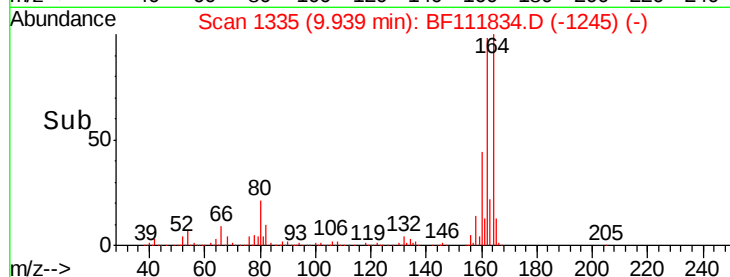
89 1.4 40.0 60.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 7.205 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.17 min

Lab File: BF111834.D

Acq: 3 Jan 2019 21:16

Tgt Ion:165 Resp: 59612

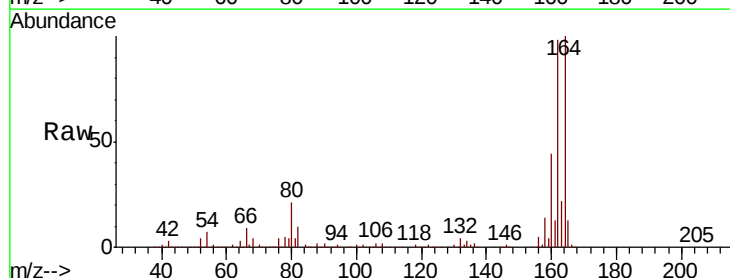
Ion Ratio Lower Upper

165 100

63 1.3 34.6 52.0#

89 1.4 56.2 84.4#

182 0.0 1.8 2.6#

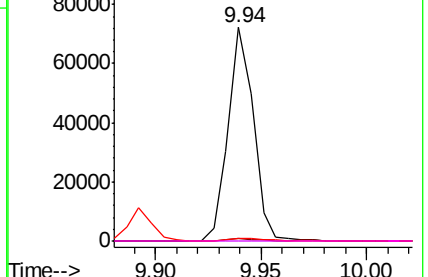
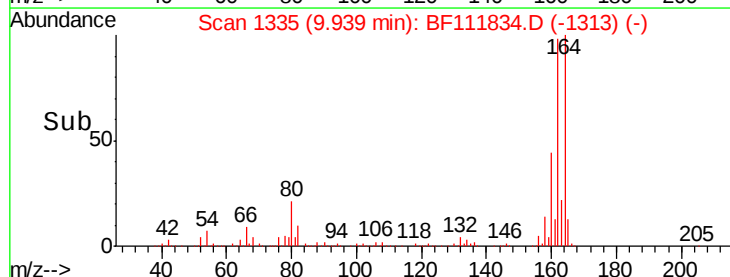


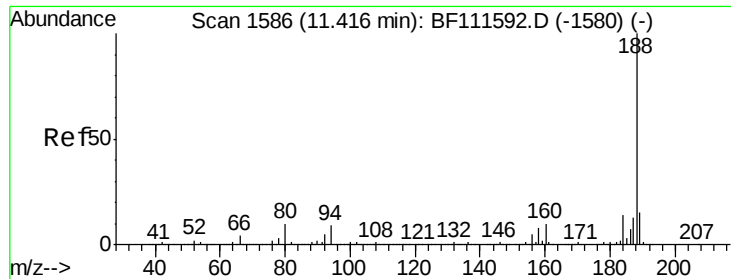
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

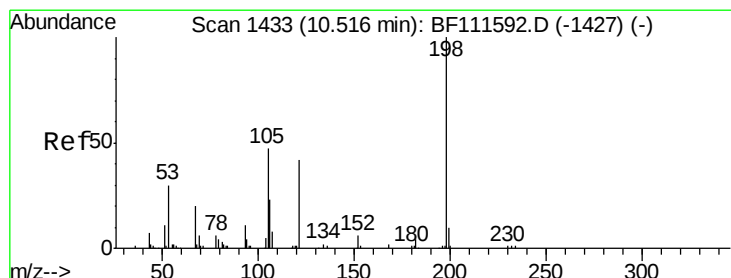
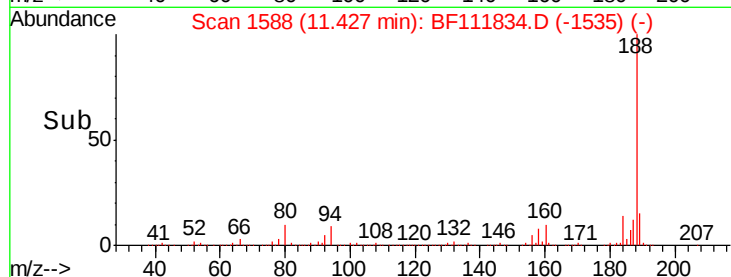
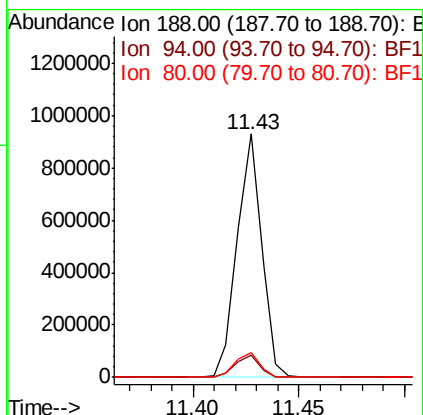
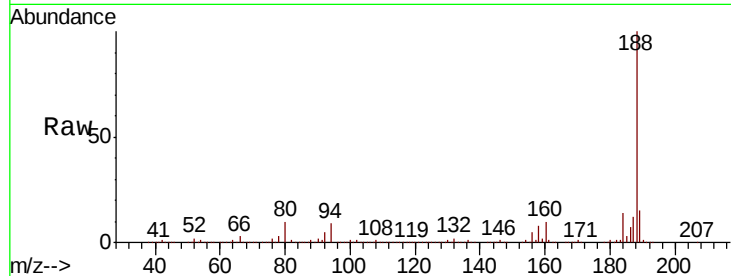




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.01 min
 Lab File: BF111834.D
 Acq: 3 Jan 2019 21:16

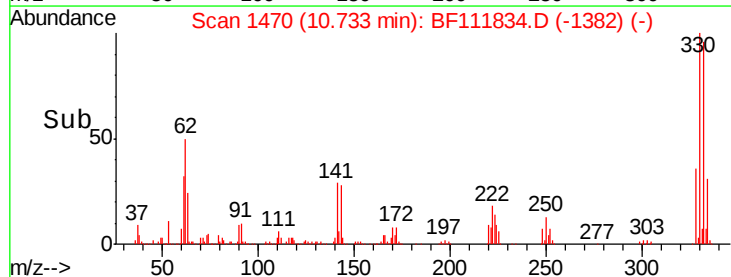
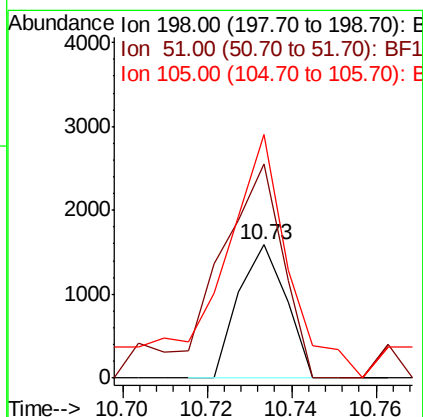
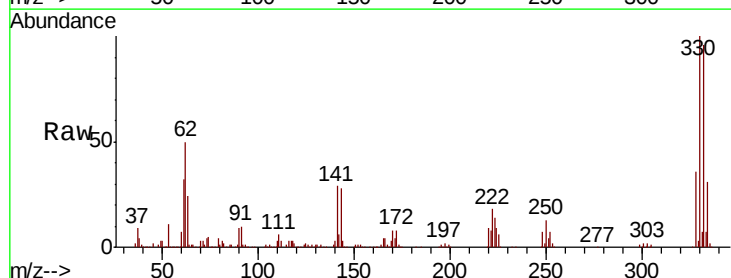
Instrument :
 BNA_F
 ClientSampleId :

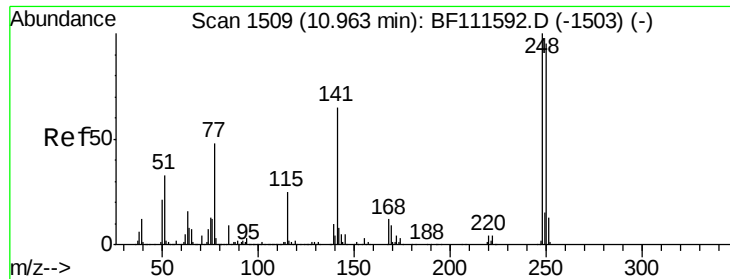
Tot Ion:188 Resp: 748826
 Ion Ratio Lower Upper
 188 100
 94 9.0 9.6 14.4#
 80 9.9 9.8 14.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.037 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. 0.22 min
 Lab File: BF111834.D
 Acq: 3 Jan 2019 21:16

Tgt Ion:198 Resp: 1239
 Ion Ratio Lower Upper
 198 100
 51 161.2 48.0 88.0#
 105 183.0 34.0 74.0#

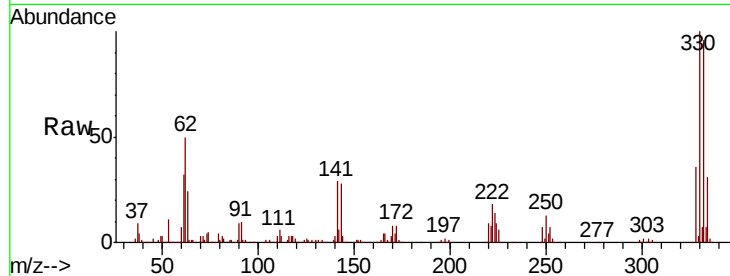




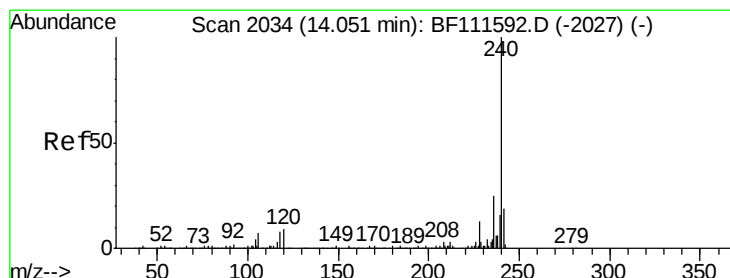
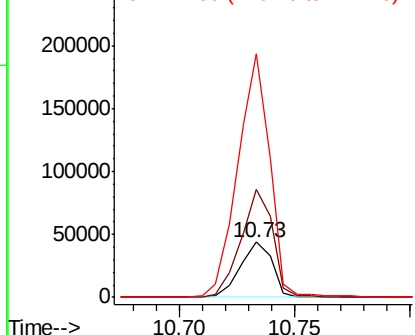
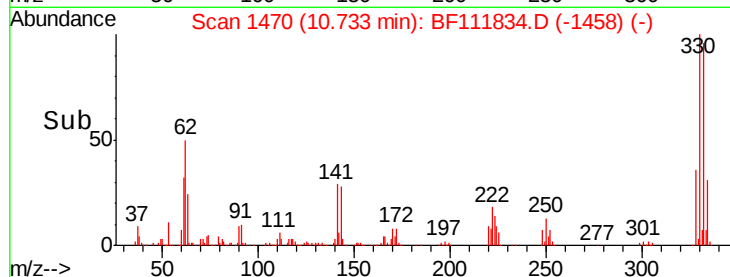
#67
 4-Bromophenyl-phenylether
 Concen: 4.588 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.23 min
 Lab File: BF111834.D
 Acq: 3 Jan 2019 21:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 42610
 Ion Ratio Lower Upper
 248 100
 250 195.6 77.0 115.4#
 141 439.5 63.0 94.6#

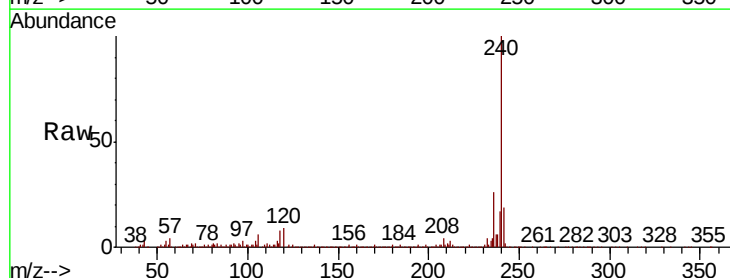


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

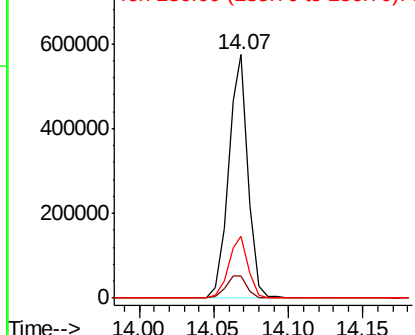
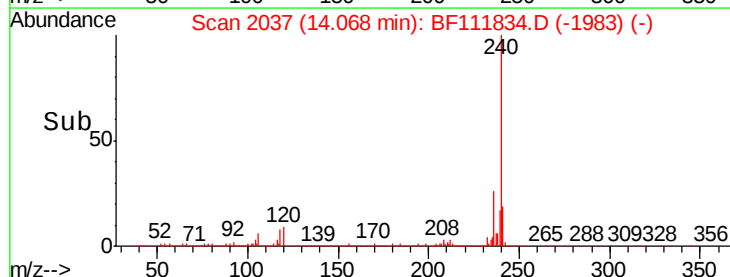


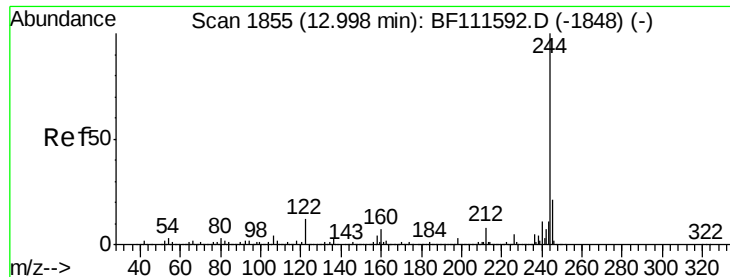
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. 0.02 min
 Lab File: BF111834.D
 Acq: 3 Jan 2019 21:16

Tgt Ion:240 Resp: 527053
 Ion Ratio Lower Upper
 240 100
 120 9.1 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: 83.433 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.02 min

Lab File: BF111834.D

Acq: 3 Jan 2019 21:16

Instrument :

BNA_F

ClientSampleId :

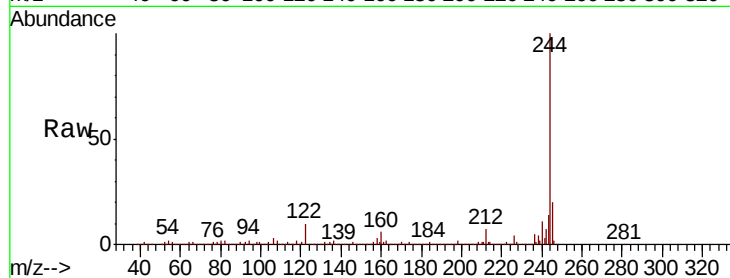
Tot Ion:244 Resp: 2318775

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

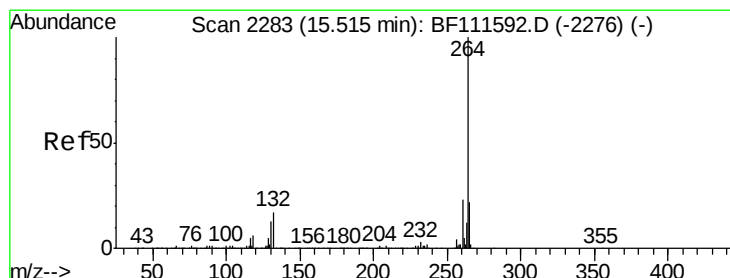
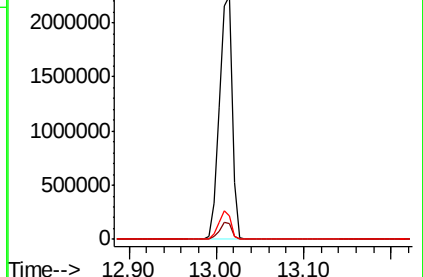
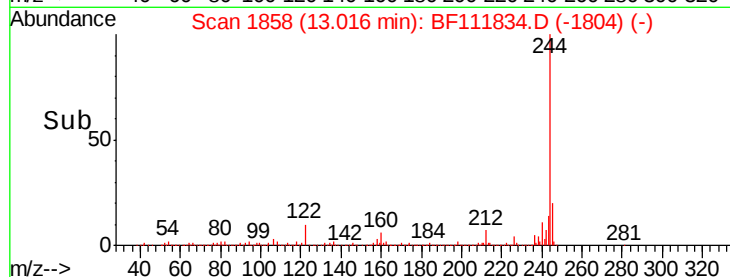
122 9.8 13.1 19.7#



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: 15.56 min Scan# 2290

Delta R.T. 0.04 min

Lab File: BF111834.D

Acq: 3 Jan 2019 21:16

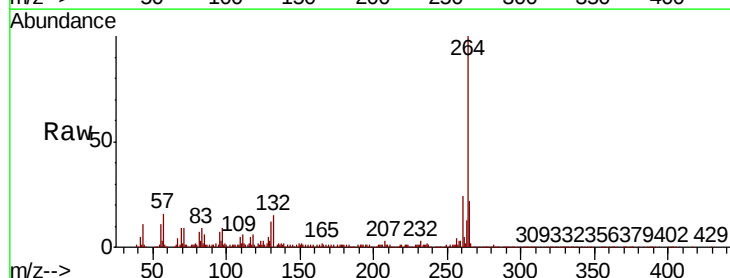
Tgt Ion:264 Resp: 377765

Ion Ratio Lower Upper

264 100

260 23.9 18.3 27.5

265 22.3 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

