

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
 Data File : BF111832.D
 Acq On : 3 Jan 2019 20:21
 Operator : JU/SJ
 Sample : K1019-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 01:34:11 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

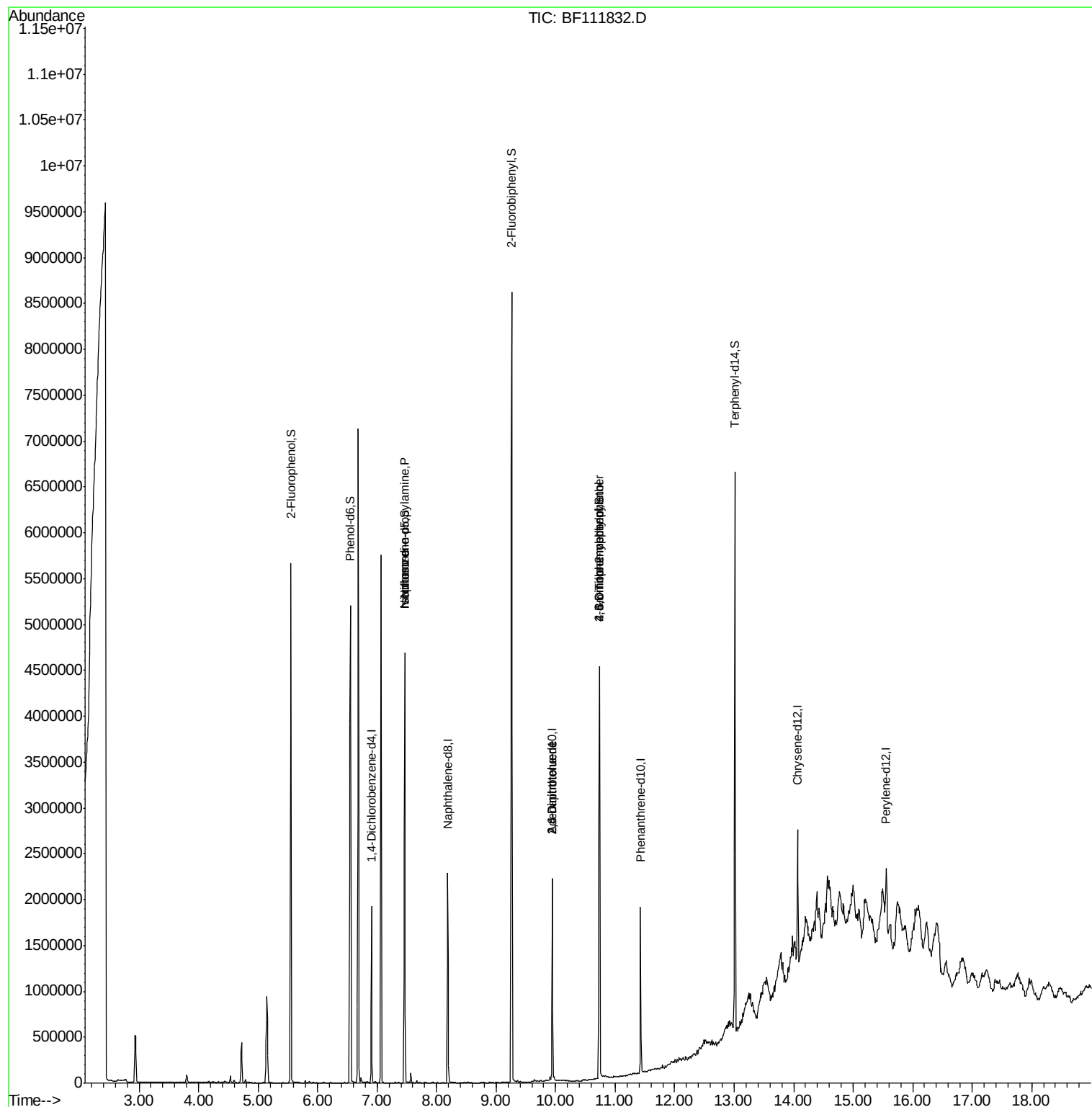
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	256637	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	948162	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	447936	20.00	ng	0.01
64) Phenanthrene-d10	11.43	188	671899	20.00	ng	0.01
76) Chrysene-d12	14.07	240	482206	20.00	ng	0.02
87) Perylene-d12	15.56	264	327866	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1710995	113.64	ng	0.04
7) Phenol-d6	6.55	99	2008313	104.81	ng	0.03
23) Nitrobenzene-d5	7.47	82	1600691	98.27	ng	0.01
42) 2,4,6-Tribromophenol	10.74	330	665786	125.79	ng	0.02
45) 2-Fluorobiphenyl	9.26	172	2805926	91.30	ng	0.00
79) Terphenyl-d14	13.02	244	2203118	86.64	ng	0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.47	70	221510	17.407	ng	# 74
25) Isophorone	7.47	82	1600676	55.352	ng	# 64
51) 2,6-Dinitrotoluene	9.95	165	59109	9.050	ng	# 29
57) 2,4-Dinitrotoluene	9.95	165	59109	7.530	ng	# 24
65) 4,6-Dinitro-2-methylphenol	10.74	198	1511	7.161	ng	# 1
67) 4-Bromophenyl-phenylether	10.74	248	40094	4.811	ng	# 1

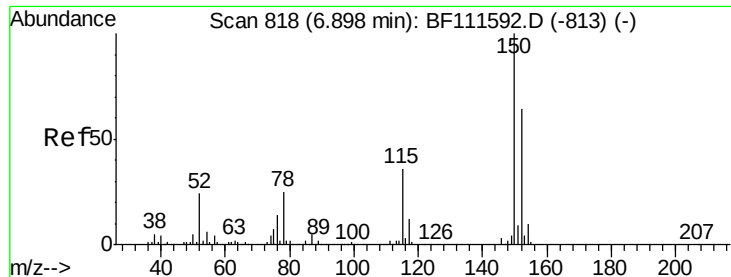
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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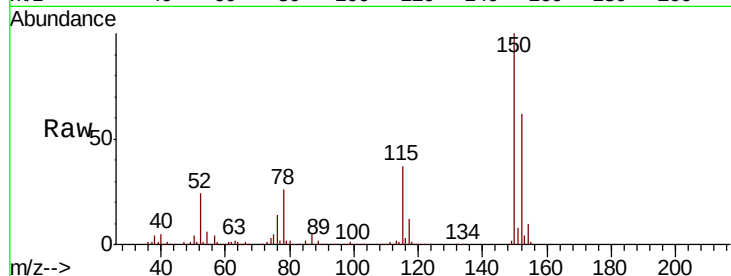


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111832.D
Acq: 3 Jan 2019 20:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.6	189.8
115	59.6	50.7	76.1

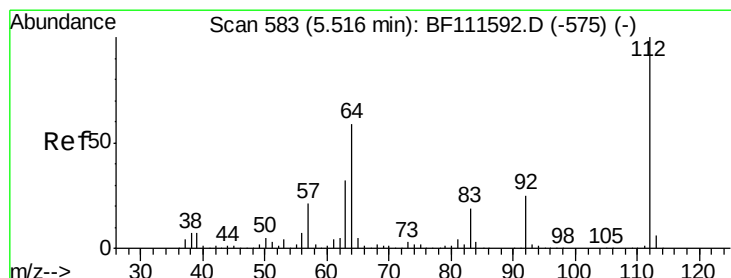
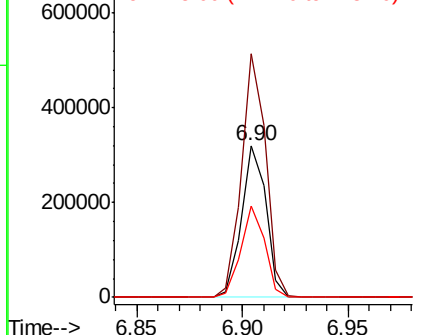
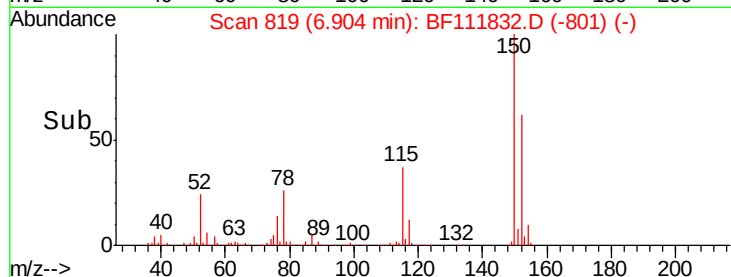


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

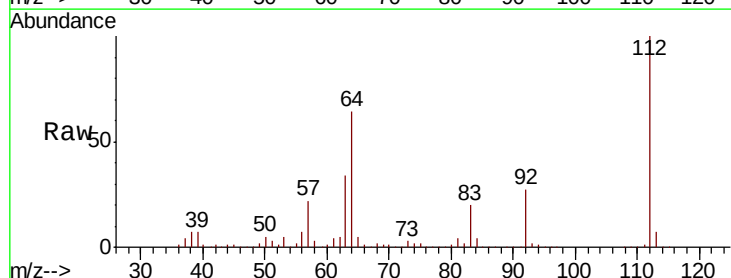
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 113.641 ng
RT: 5.55 min Scan# 589
Delta R.T. 0.04 min
Lab File: BF111832.D
Acq: 3 Jan 2019 20:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	51.8	77.6
63	34.2	26.8	40.2

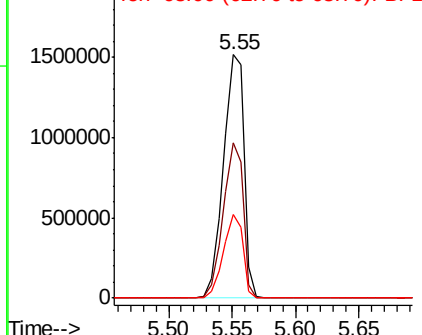
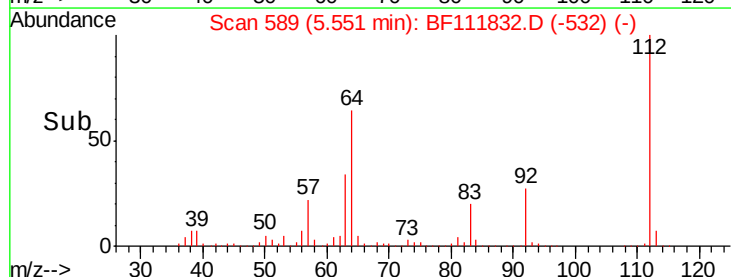


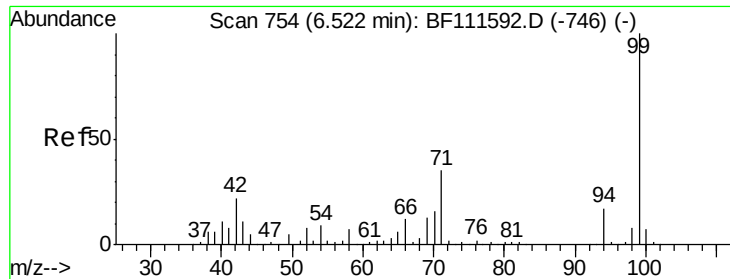
Abundance

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: 104.811 ng

RT: 6.55 min Scan# 759

Delta R.T. 0.03 min

Lab File: BF111832.D

Acq: 3 Jan 2019 20:21

Instrument :

BNA_F

ClientSampleId :

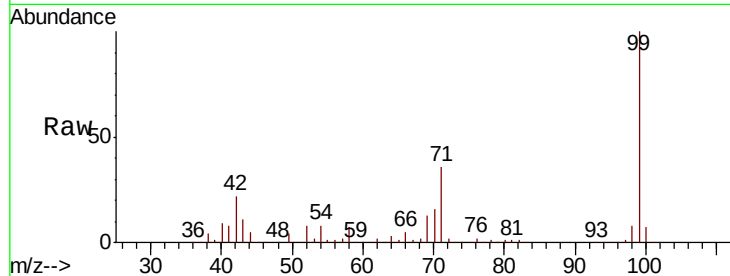
Tot Ion: 99 Resp: 2008313

Ion Ratio Lower Upper

99 100

42 21.9 17.4 26.0

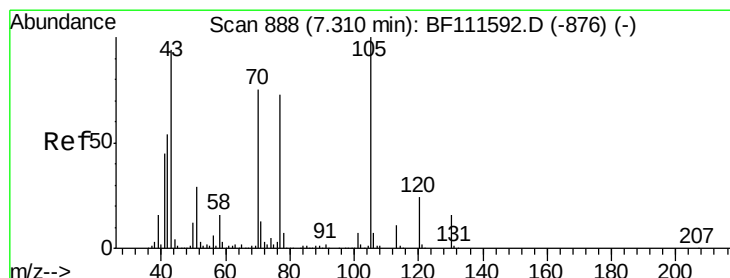
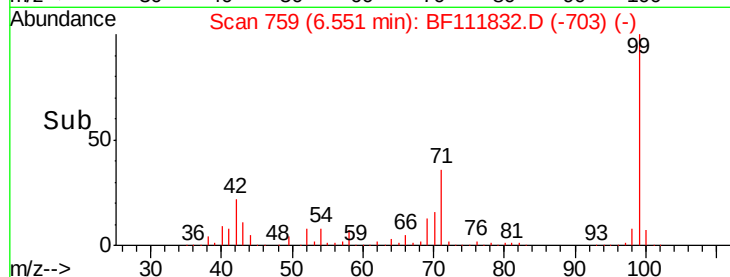
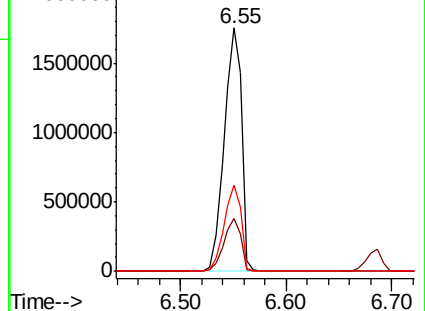
71 35.6 26.1 39.1



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: 17.407 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.16 min

Lab File: BF111832.D

Acq: 3 Jan 2019 20:21

Tgt Ion: 70 Resp: 221510

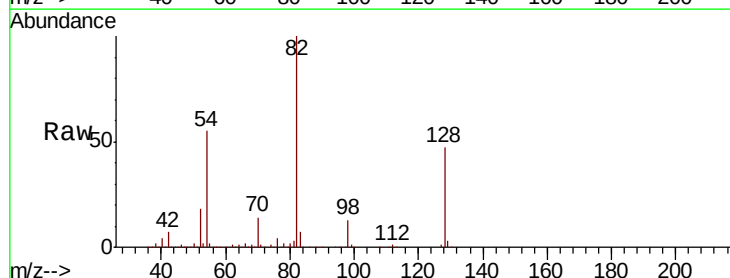
Ion Ratio Lower Upper

70 100

42 50.6 53.2 79.8#

101 0.0 8.2 12.4#

130 2.0 18.1 27.1#

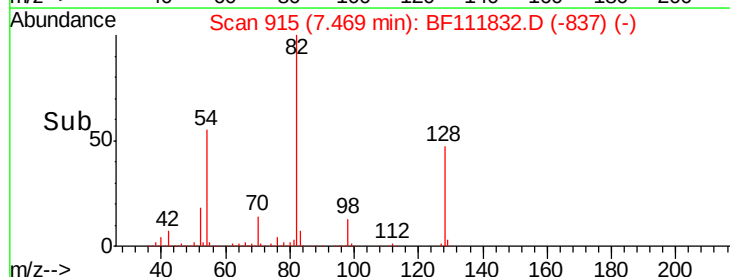
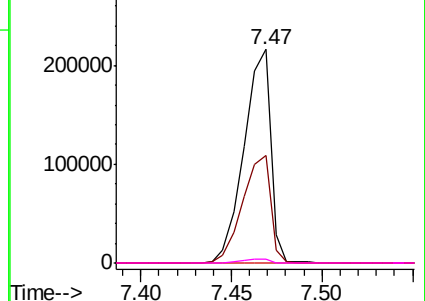


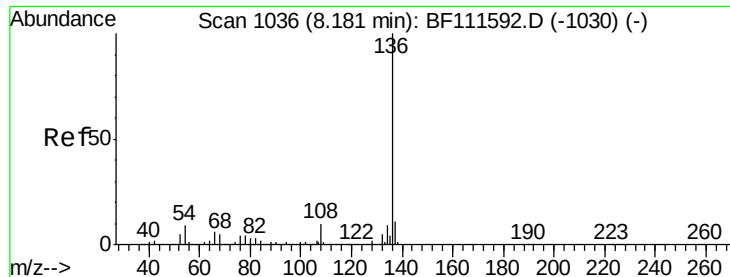
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

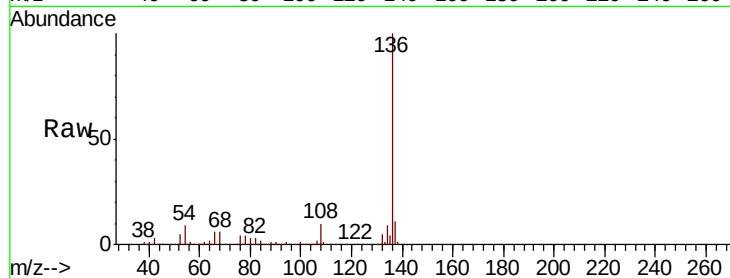




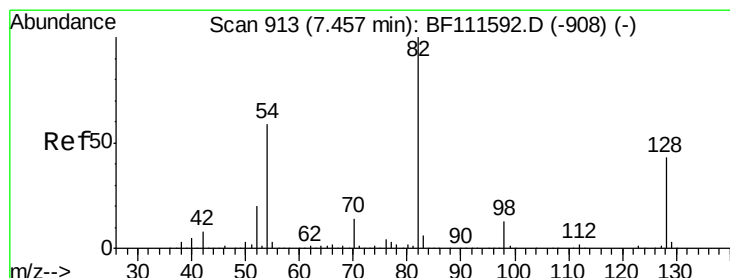
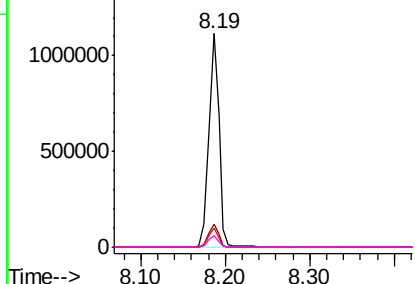
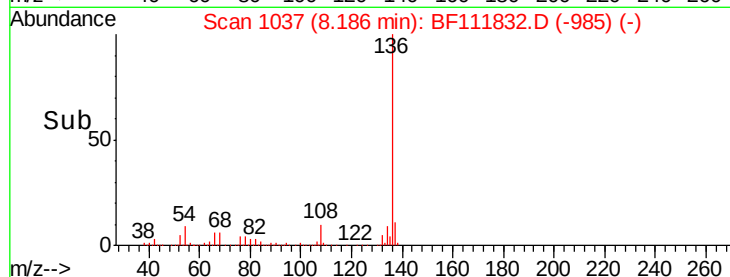
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF111832.D
Acq: 3 Jan 2019 20:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	948162
Ion	Ratio	Lower Upper
136	100	
137	10.8	9.1 13.7
54	9.2	7.7 11.5
68	5.5	4.9 7.3

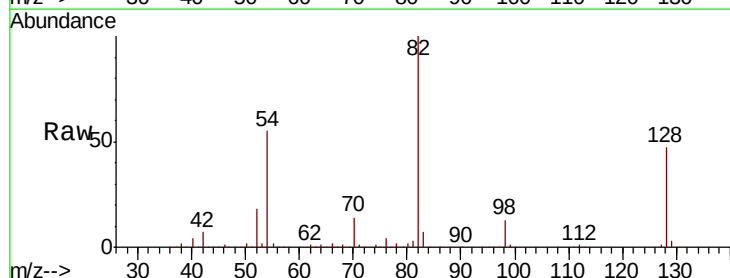


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

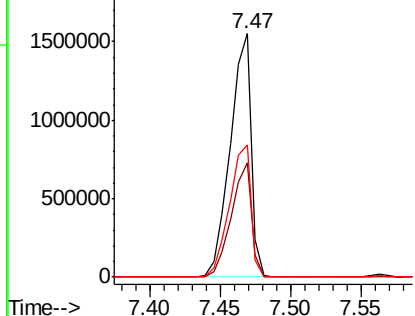
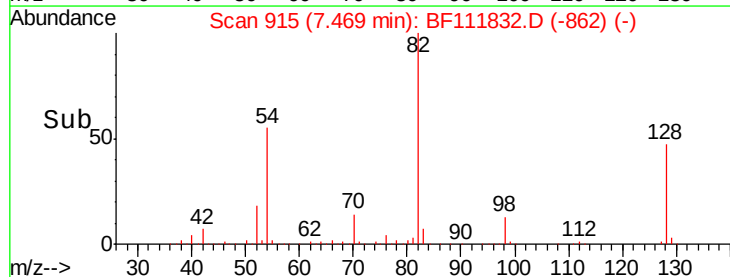


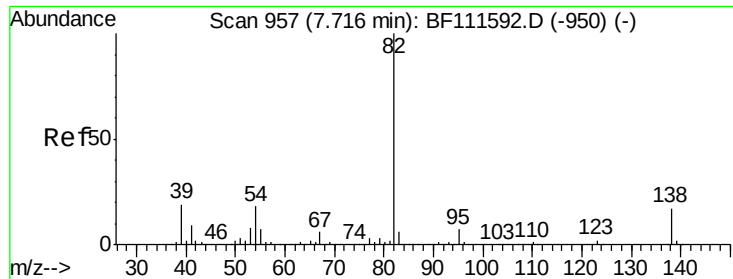
#23
Nitrobenzene-d5
Concen: 98.267 ng
RT: 7.47 min Scan# 915
Delta R.T. 0.01 min
Lab File: BF111832.D
Acq: 3 Jan 2019 20:21

Tgt Ion: 82	Resp:	1600691
Ion	Ratio	Lower Upper
82	100	
128	46.7	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): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 55.352 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.25 min

Lab File: BF111832.D

Acq: 3 Jan 2019 20:21

Instrument :

BNA_F

ClientSampleId :

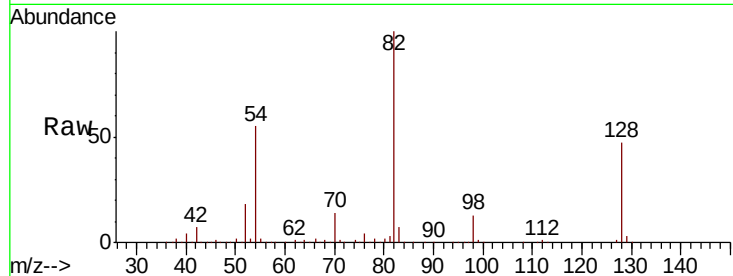
Tot Ion: 82 Resp: 1600676

Ion Ratio Lower Upper

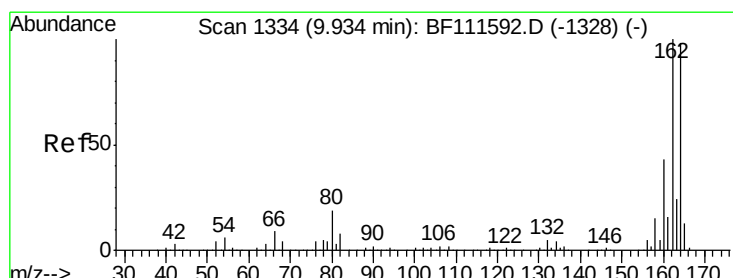
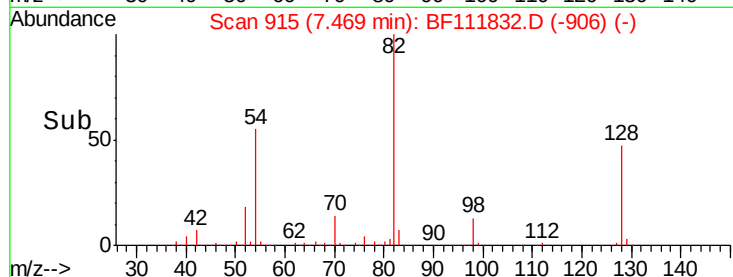
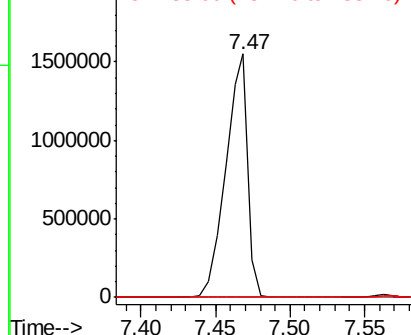
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.01 min

Lab File: BF111832.D

Acq: 3 Jan 2019 20:21

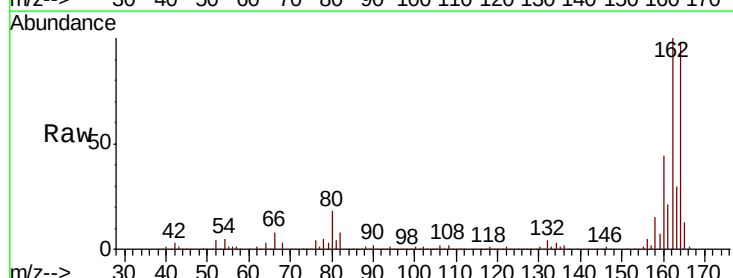
Tgt Ion:164 Resp: 447936

Ion Ratio Lower Upper

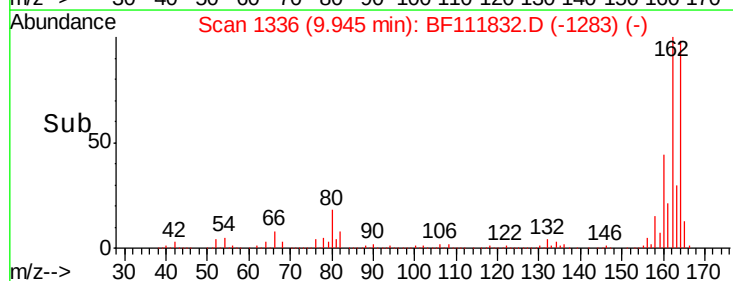
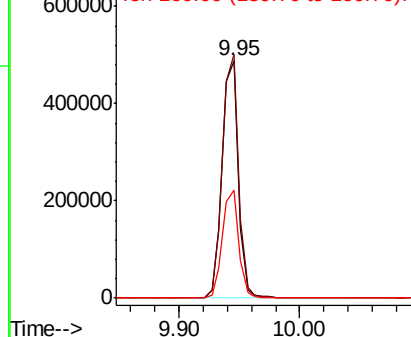
164 100

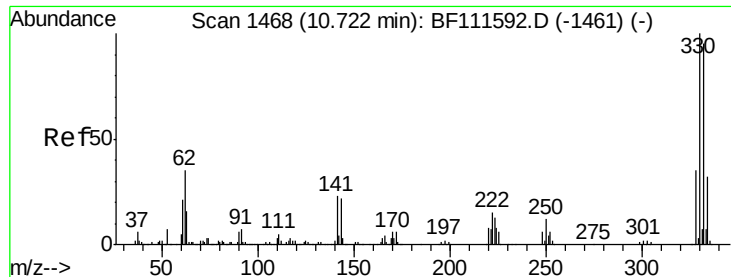
162 102.4 81.4 122.0

160 45.4 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

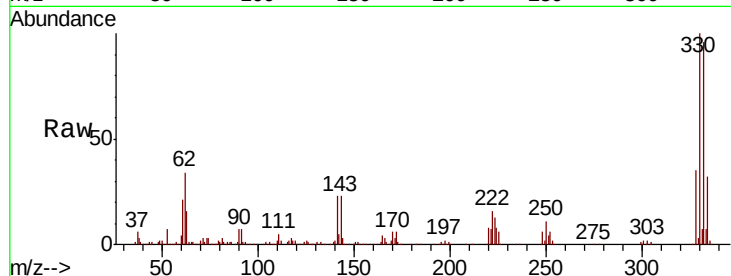




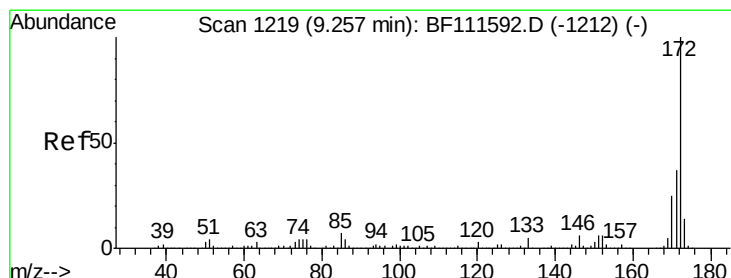
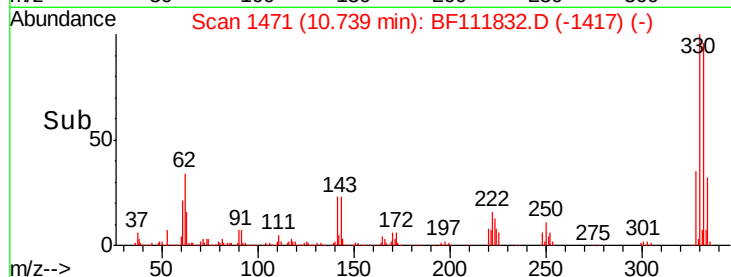
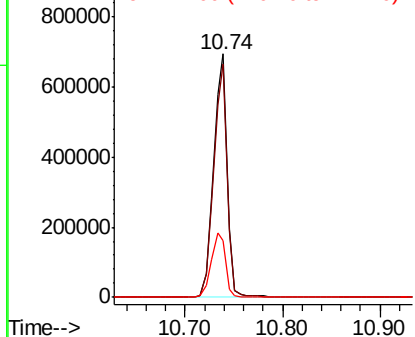
#42
 2,4,6-Tribromophenol
 Concen: 125.793 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. 0.02 min
 Lab File: BF111832.D
 Acq: 3 Jan 2019 20:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.0	114.0
141	28.0	31.0	46.6#

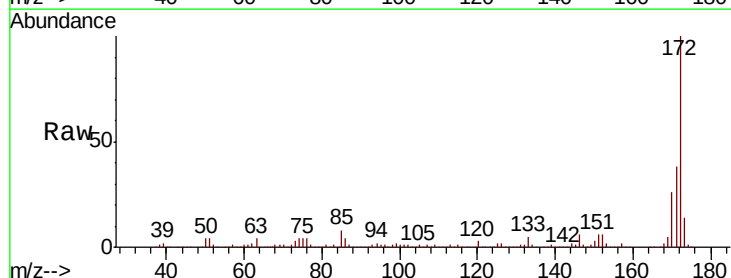


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

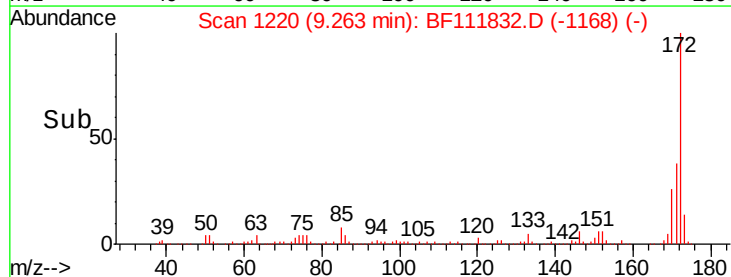
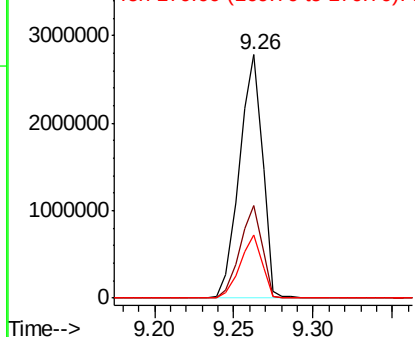


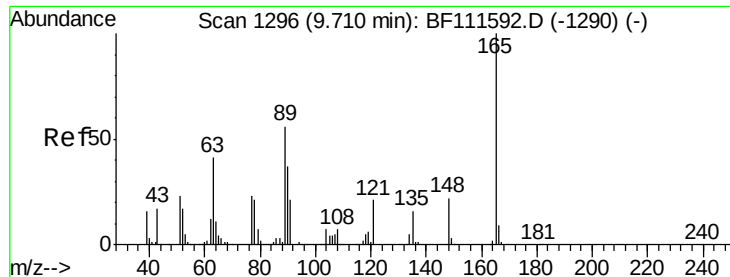
#45
 2-Fluorobiphenyl
 Concen: 91.304 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: BF111832.D
 Acq: 3 Jan 2019 20:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	33.0	49.4
170	26.0	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: 9.050 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.24 min

Lab File: BF111832.D

Acq: 3 Jan 2019 20:21

Instrument :

BNA_F

ClientSampleId :

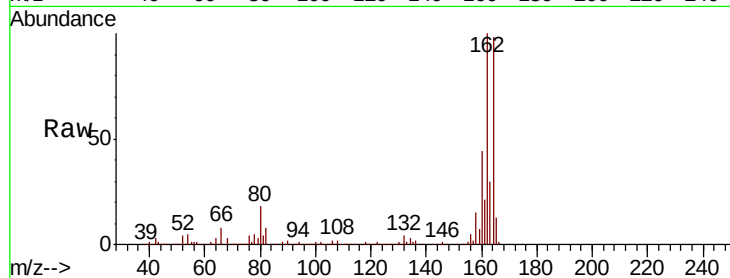
Tot Ion:165 Resp: 59109

Ion Ratio Lower Upper

165 100

63 0.8 40.5 60.7#

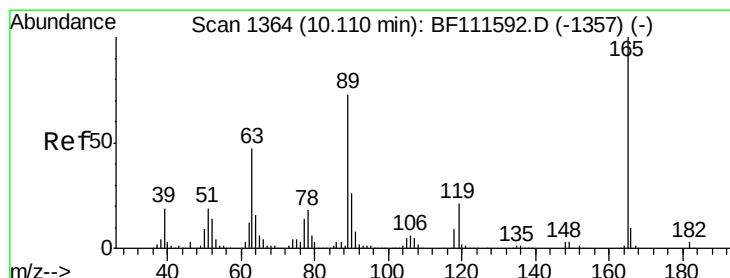
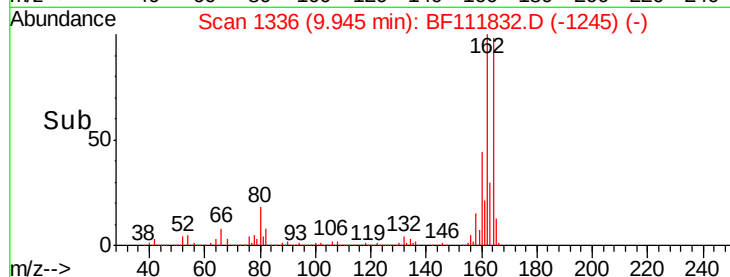
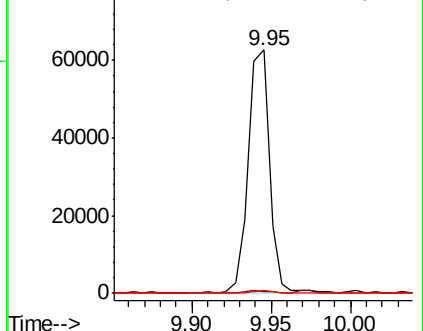
89 1.2 40.0 60.0#



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: 7.530 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.16 min

Lab File: BF111832.D

Acq: 3 Jan 2019 20:21

Tgt Ion:165 Resp: 59109

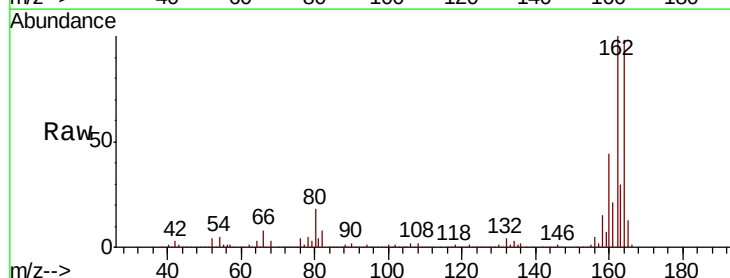
Ion Ratio Lower Upper

165 100

63 0.8 34.6 52.0#

89 1.2 56.2 84.4#

182 0.0 1.8 2.6#

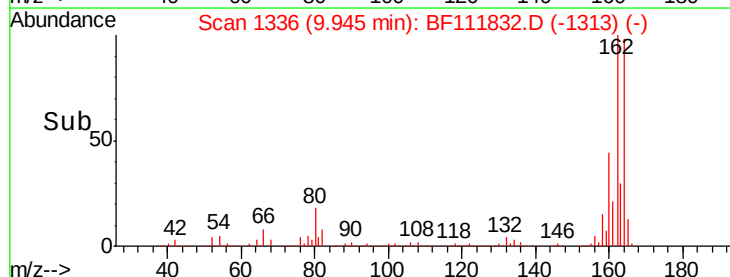
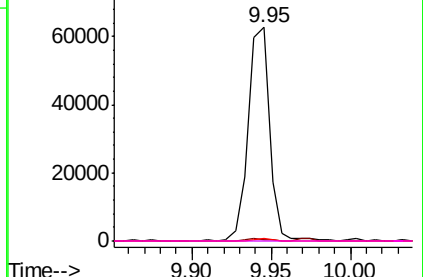


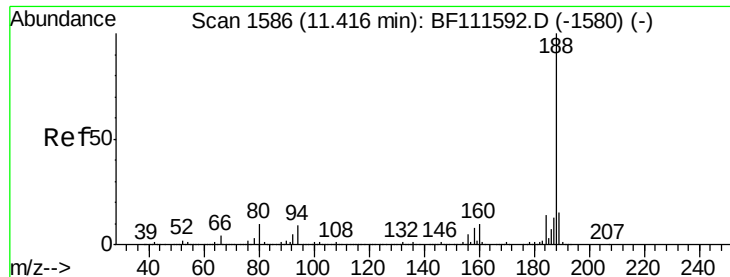
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF111832.D

Acq: 3 Jan 2019 20:21

Instrument :

BNA_F

ClientSampled :

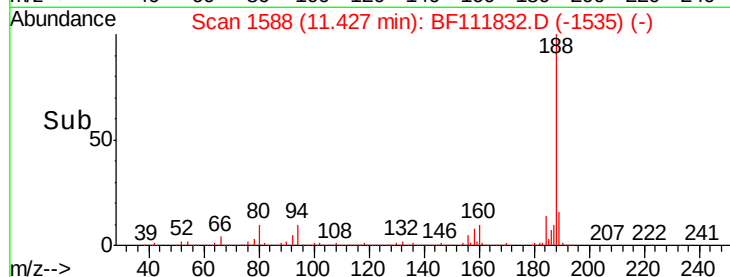
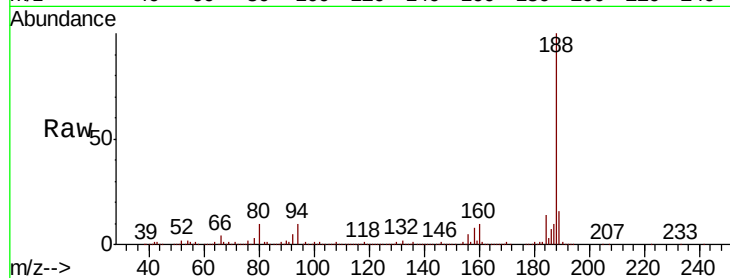
Tot Ion:188 Resp: 671899

Ion Ratio Lower Upper

188 100

94 9.8 9.6 14.4

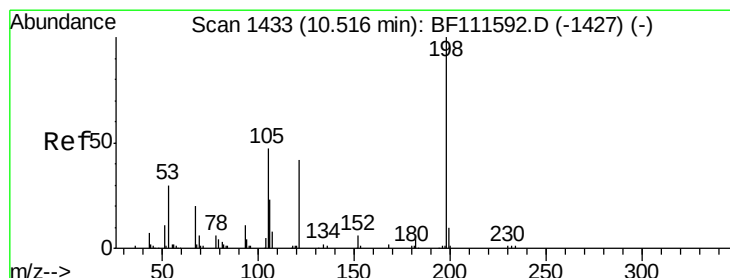
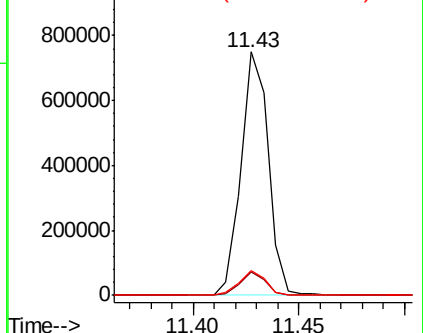
80 10.3 9.8 14.6



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: 7.161 ng

RT: 10.74 min Scan# 1471

Delta R.T. 0.22 min

Lab File: BF111832.D

Acq: 3 Jan 2019 20:21

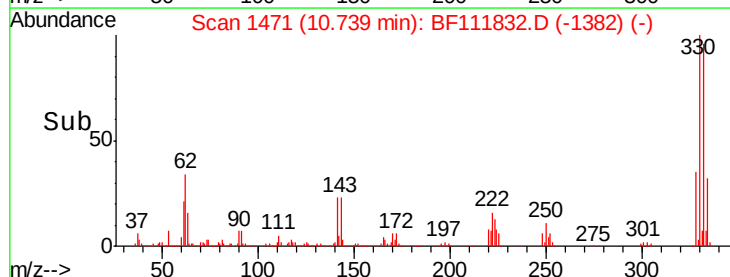
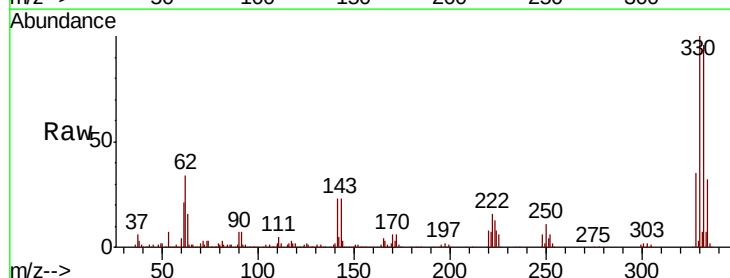
Tgt Ion:198 Resp: 1511

Ion Ratio Lower Upper

198 100

51 137.9 48.0 88.0#

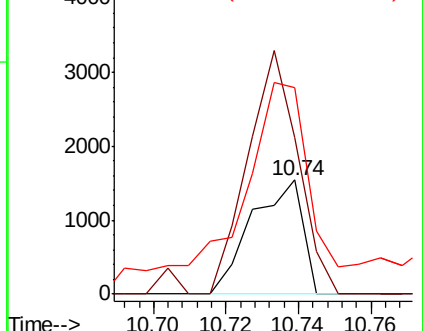
105 181.4 34.0 74.0#

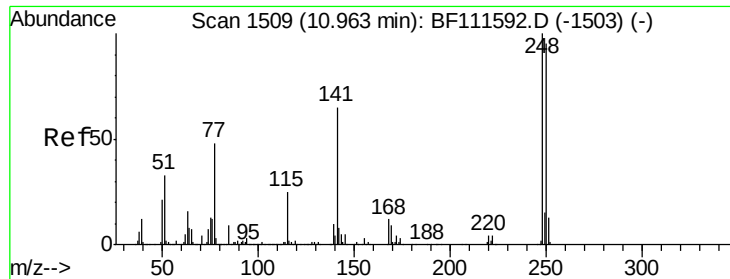


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

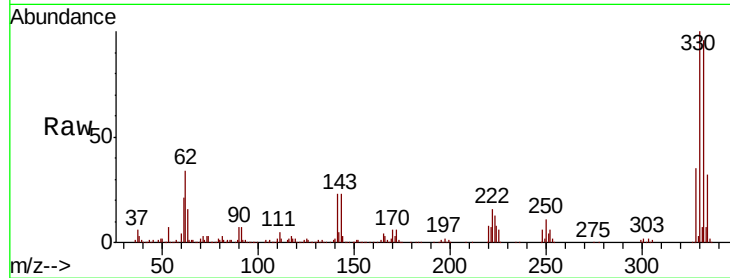




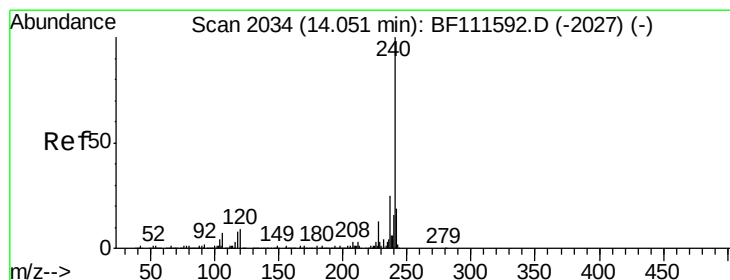
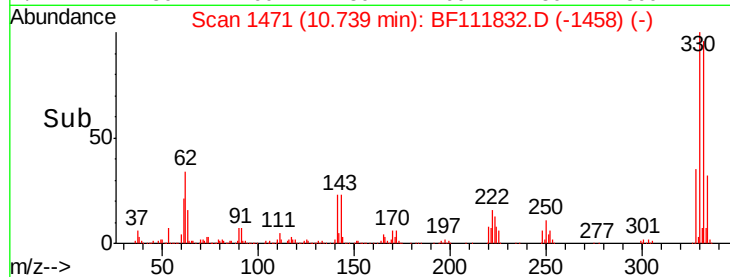
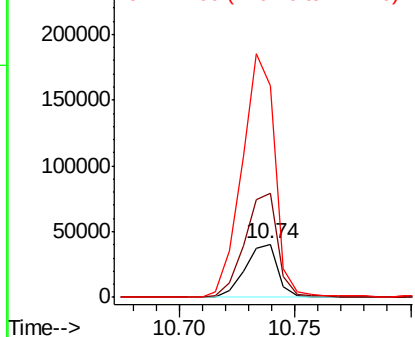
#67
 4-Bromophenyl-phenylether
 Concen: 4.811 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.22 min
 Lab File: BF111832.D
 Acq: 3 Jan 2019 20:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 40094
 Ion Ratio Lower Upper
 248 100
 250 195.7 77.0 115.4#
 141 397.6 63.0 94.6#

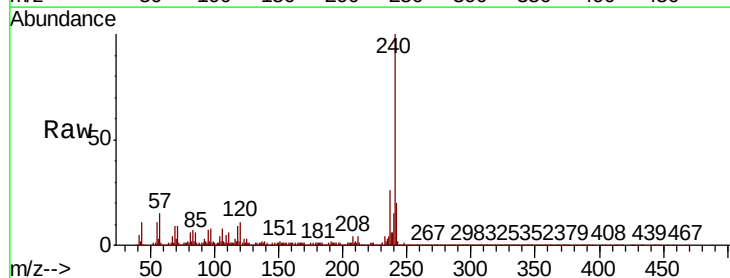


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

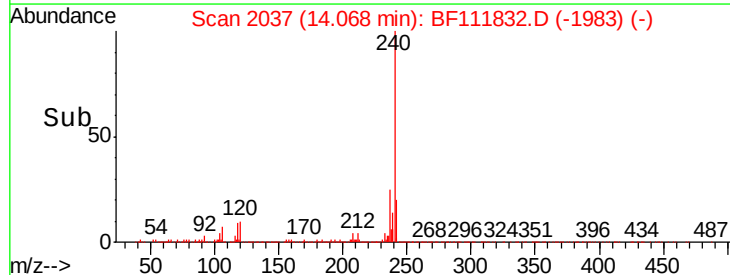
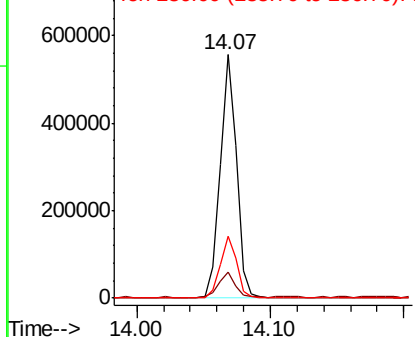


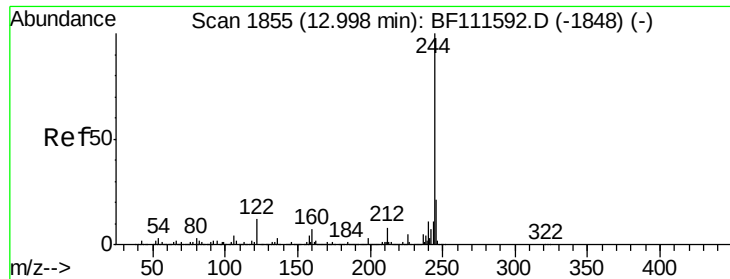
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. 0.02 min
 Lab File: BF111832.D
 Acq: 3 Jan 2019 20:21

Tgt Ion:240 Resp: 482206
 Ion Ratio Lower Upper
 240 100
 120 10.6 12.2 18.2#
 236 25.6 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

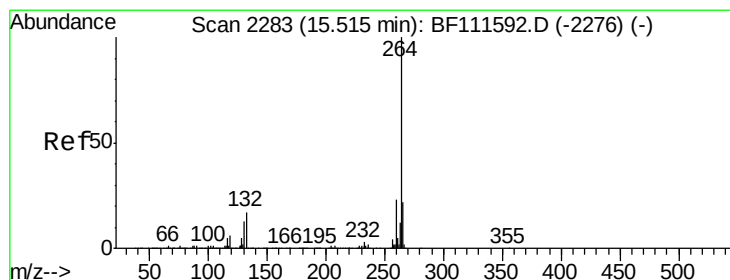
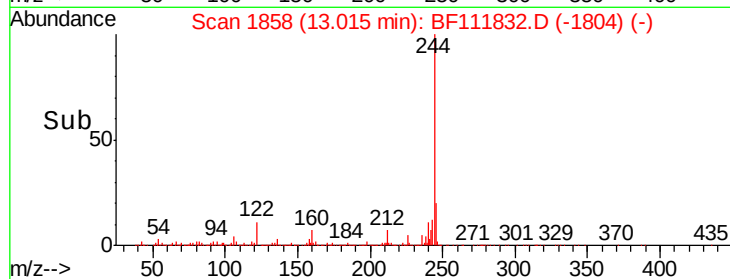
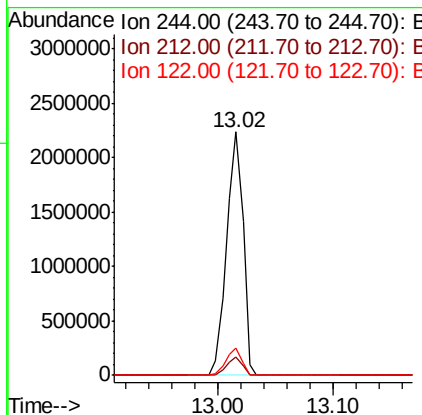
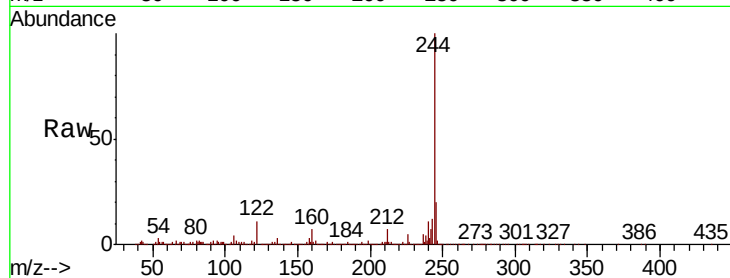




#79
 Terphenyl-d14
 Concen: 86.644 ng
 RT: 13.02 min Scan# 1858
 Delta R.T. 0.02 min
 Lab File: BF111832.D
 Acq: 3 Jan 2019 20:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 2203118
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.7 8.5
 122 11.4 13.1 19.7#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.56 min Scan# 2290
 Delta R.T. 0.04 min
 Lab File: BF111832.D
 Acq: 3 Jan 2019 20:21

Tgt Ion:264 Resp: 327866
 Ion Ratio Lower Upper
 264 100
 260 26.2 18.3 27.5
 265 21.9 17.7 26.5

