

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
 Data File : BF116062.D
 Acq On : 8 Aug 2019 12:09
 Operator : HP/JU
 Sample : PB122034BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 09 09:08:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

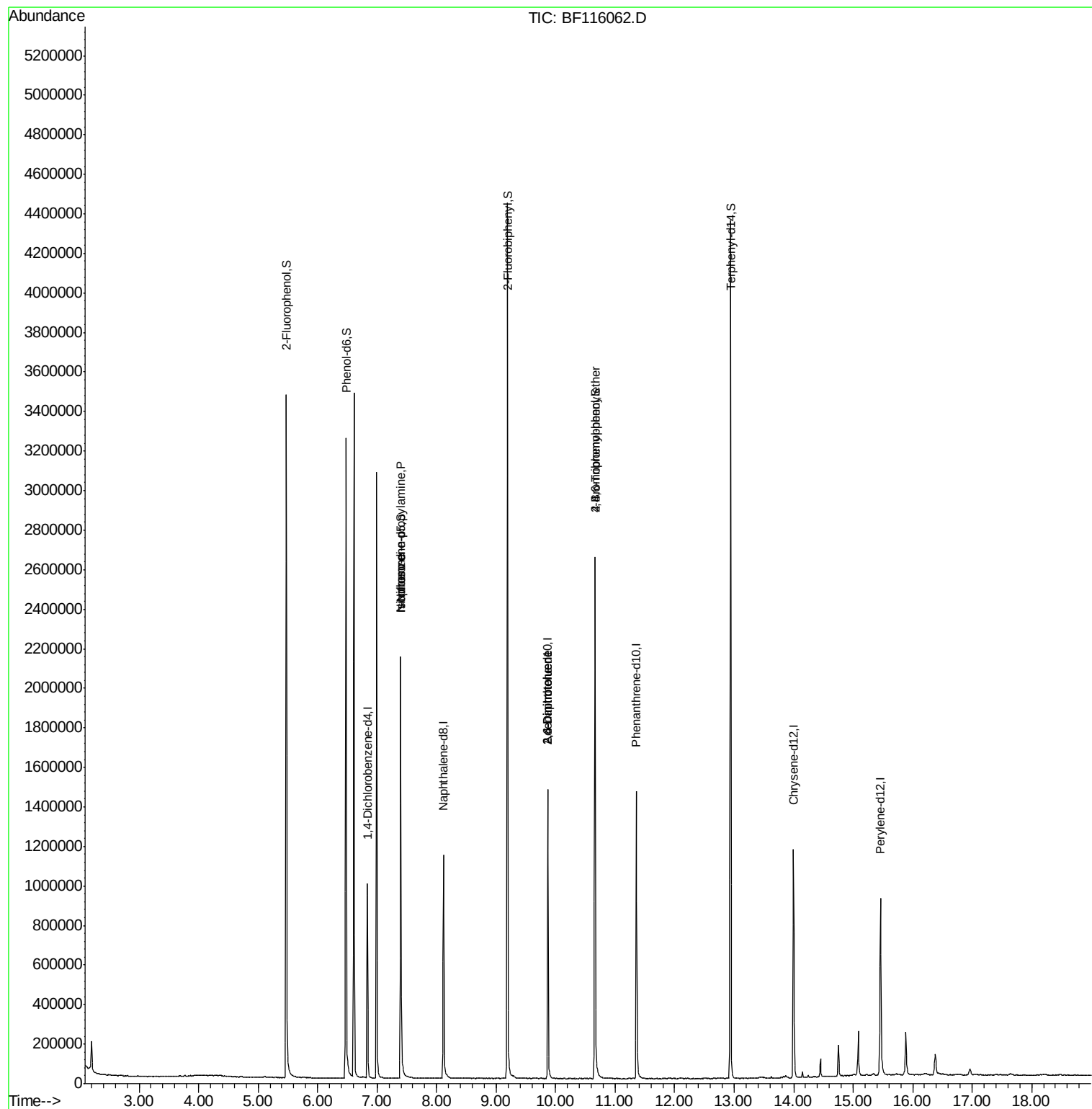
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	157372	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	610313	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	327164	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	588180	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	428479	20.00	ng	-0.01
87) Perylene-d12	15.46	264	398911	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1062984	113.08	ng	0.00
7) Phenol-d6	6.48	99	1380192	116.37	ng	0.00
23) Nitrobenzene-d5	7.40	82	912009	86.26	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	392757	123.82	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1541180	88.24	ng	-0.01
79) Terphenyl-d14	12.94	244	1737191	85.43	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	120967	16.459	ng	# 79
25) Isophorone	7.40	82	903326	44.681	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	41851	8.645	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	41851	6.493	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	23806	3.781	ng	# 1

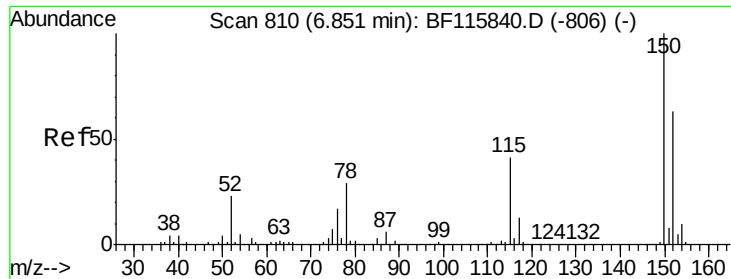
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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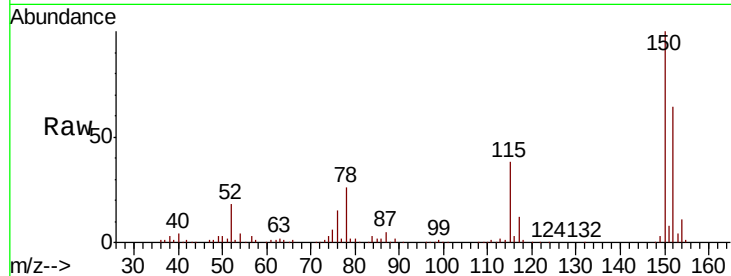


#1

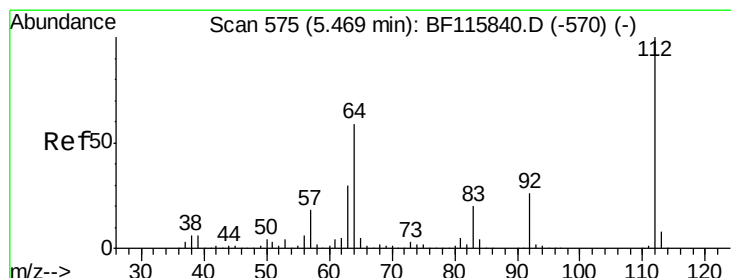
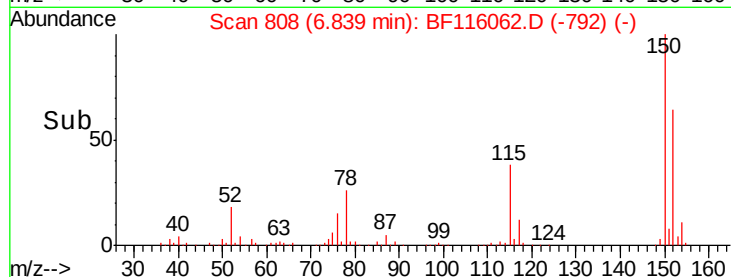
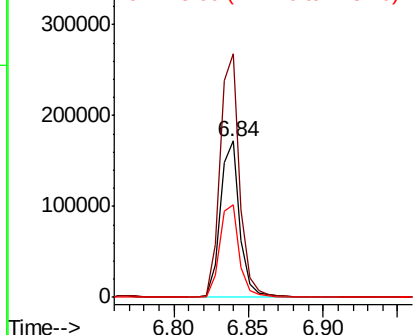
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116062.D
Acq: 8 Aug 2019 12:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 157372
Ion Ratio Lower Upper
152 100
150 156.0 126.2 189.2
115 59.2 49.9 74.9



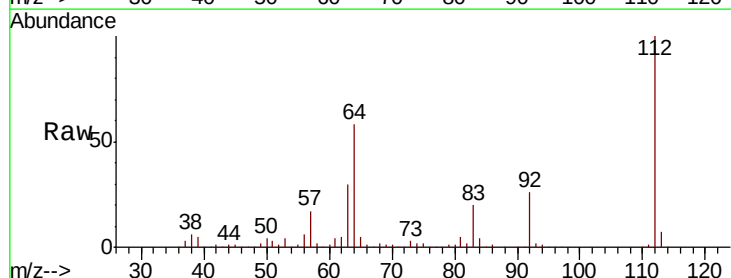
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



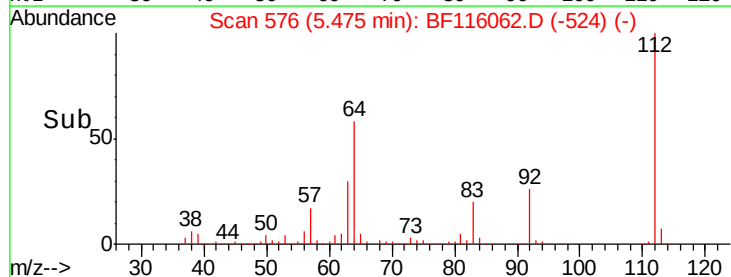
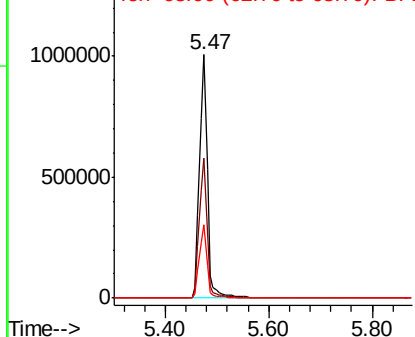
#5

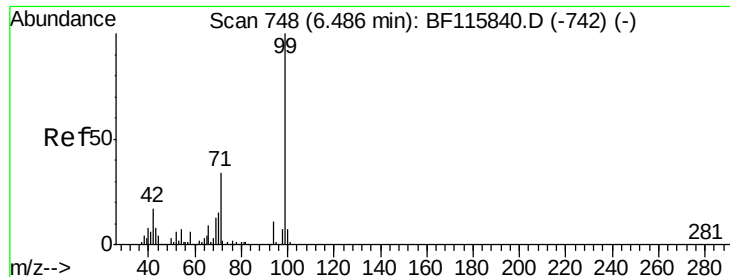
2-Fluorophenol
Concen: 113.076 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116062.D
Acq: 8 Aug 2019 12:09

Tgt Ion:112 Resp: 1062984
Ion Ratio Lower Upper
112 100
64 57.6 45.4 68.2
63 30.1 23.7 35.5



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: 116.369 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116062.D

Acq: 8 Aug 2019 12:09

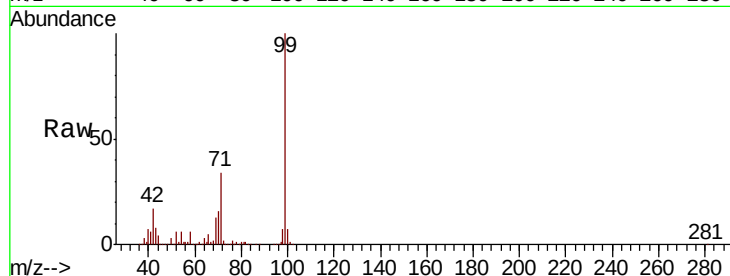
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1380192

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.8	20.8
71	34.3	27.3	40.9

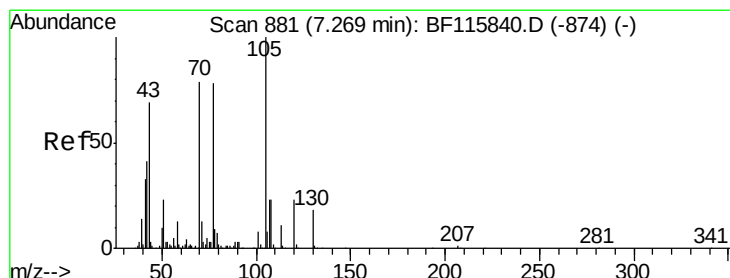
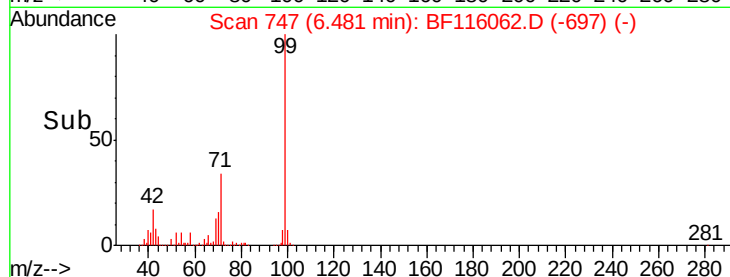
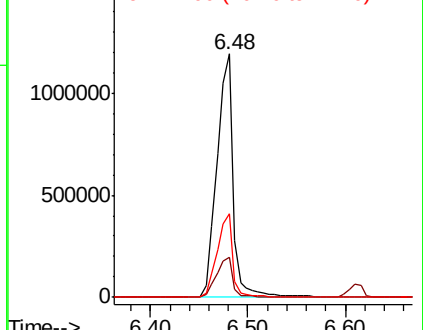


Abundance

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: 16.459 ng

RT: 7.40 min Scan# 903

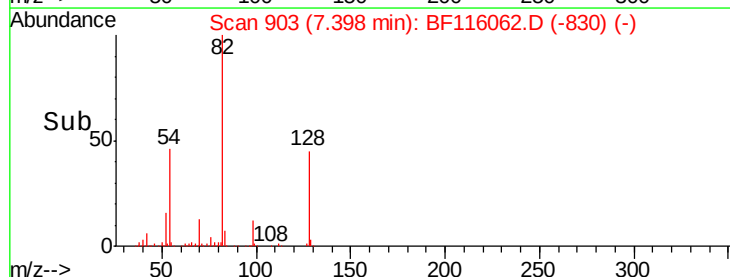
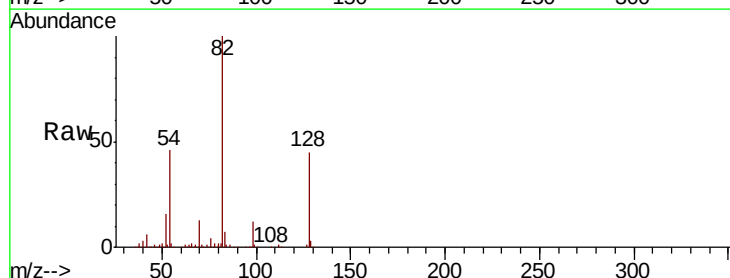
Delta R.T. 0.13 min

Lab File: BF116062.D

Acq: 8 Aug 2019 12:09

Tgt Ion: 70 Resp: 120967

Ion	Ratio	Lower	Upper
70	100		
42	43.3	40.9	61.3
101	0.0	7.9	11.9#
130	2.1	16.9	25.3#



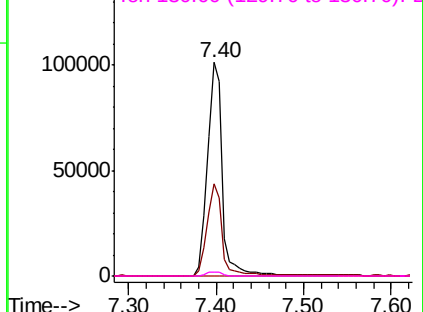
Abundance

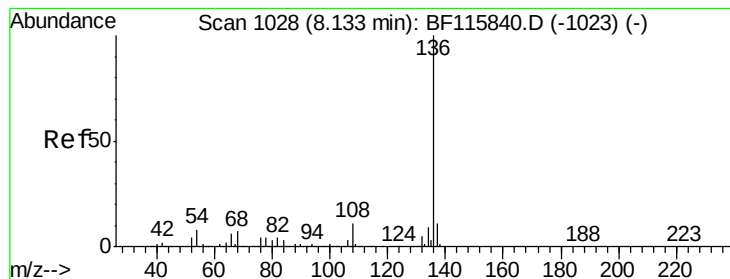
Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116062.D

Acq: 8 Aug 2019 12:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 610313

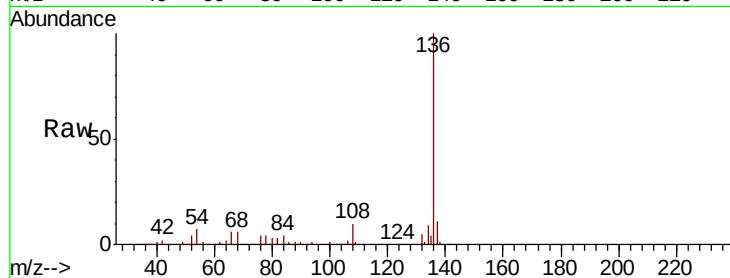
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.3 5.8 8.6

68 6.3 5.2 7.8

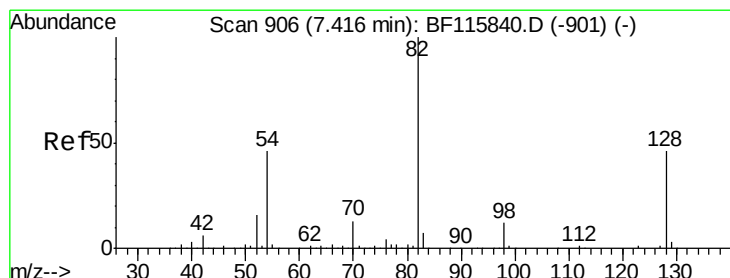
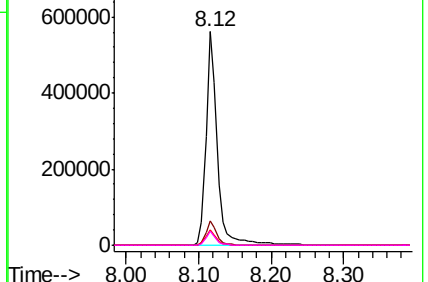
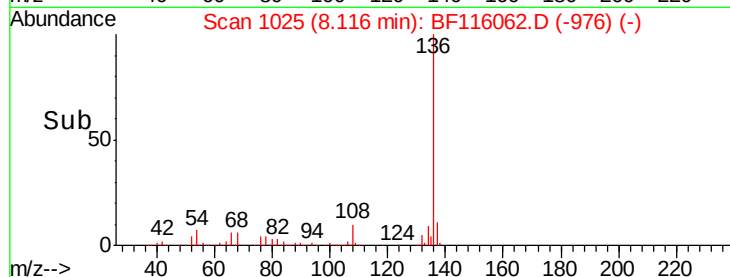


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.257 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116062.D

Acq: 8 Aug 2019 12:09

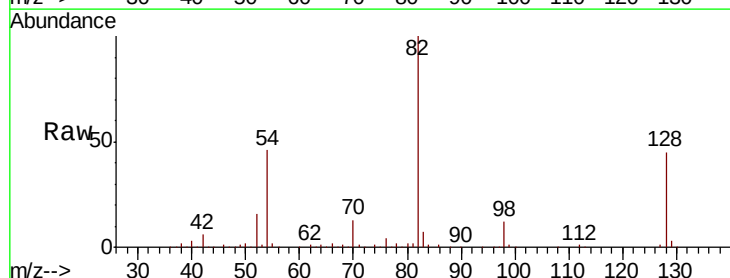
Tgt Ion: 82 Resp: 912009

Ion Ratio Lower Upper

82 100

128 44.7 36.5 54.7

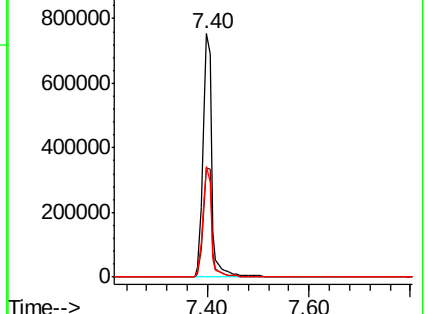
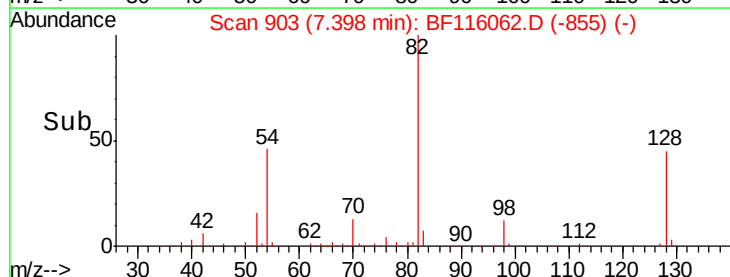
54 45.6 36.0 54.0

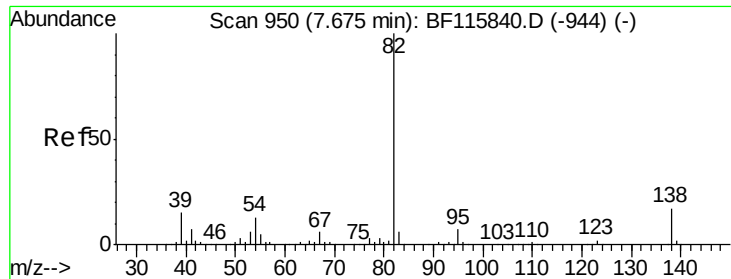


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.681 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116062.D

Acq: 8 Aug 2019 12:09

Instrument :

BNA_F

ClientSampleId :

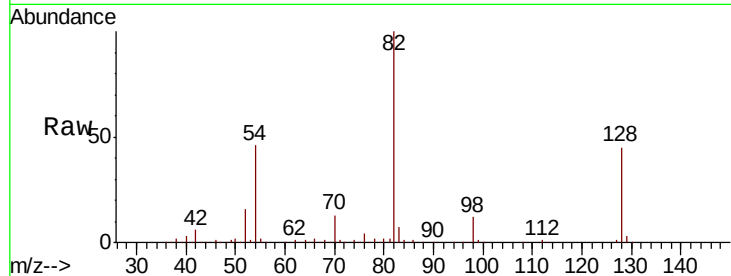
Tot Ion: 82 Resp: 903326

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

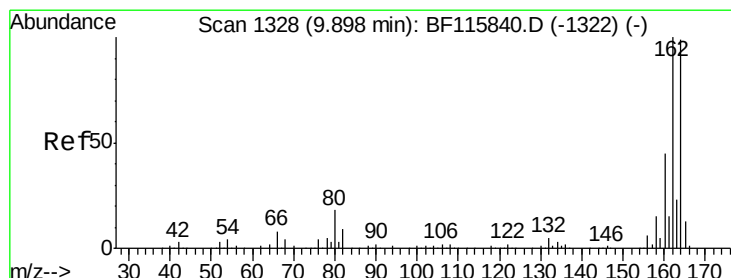
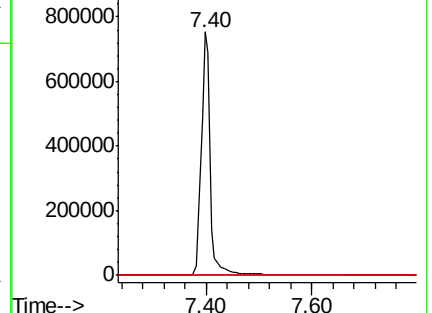
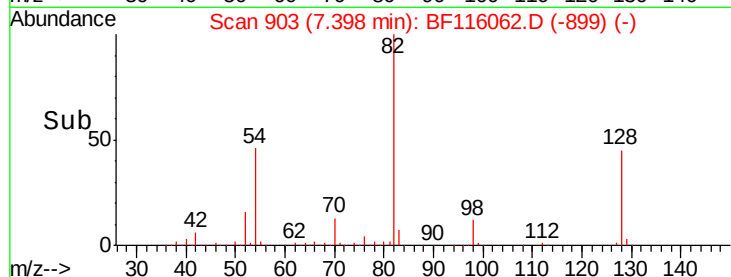
138 0.0 14.5 21.7#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116062.D

Acq: 8 Aug 2019 12:09

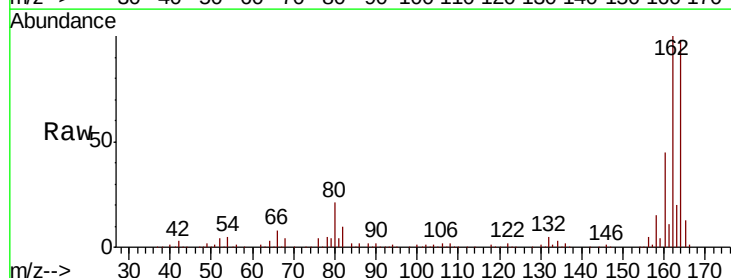
Tgt Ion: 164 Resp: 327164

Ion Ratio Lower Upper

164 100

162 101.7 82.6 124.0

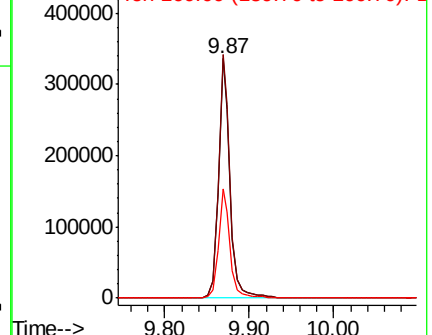
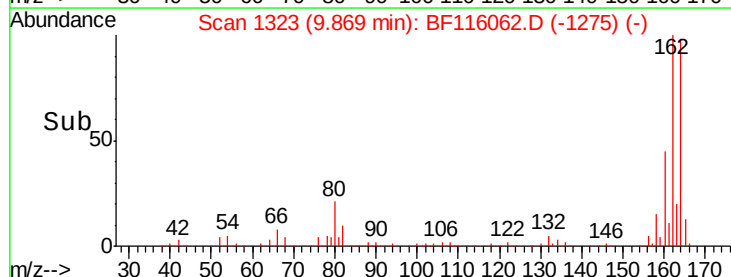
160 45.6 37.6 56.4

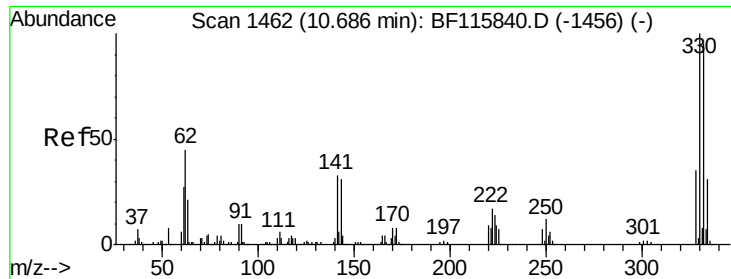


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

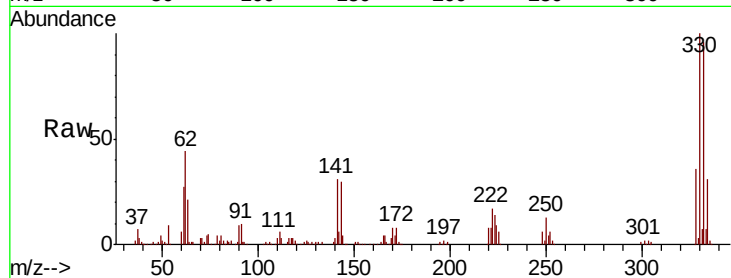




#42
 2,4,6-Tribromophenol
 Concen: 123.822 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116062.D
 Acq: 8 Aug 2019 12:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.8	115.2
141	32.1	26.3	39.5

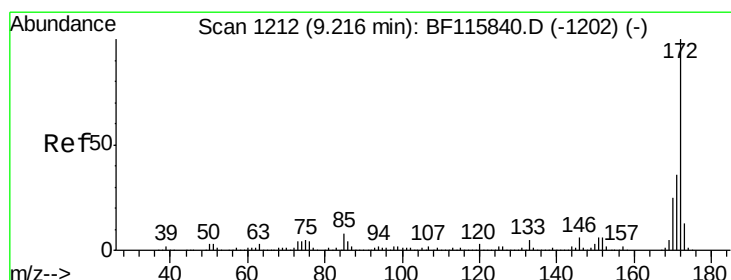
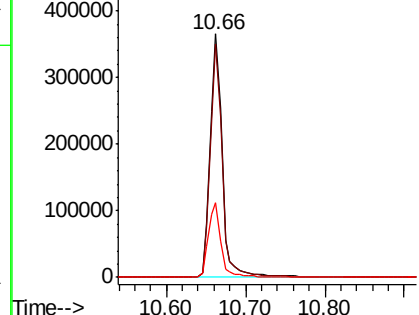
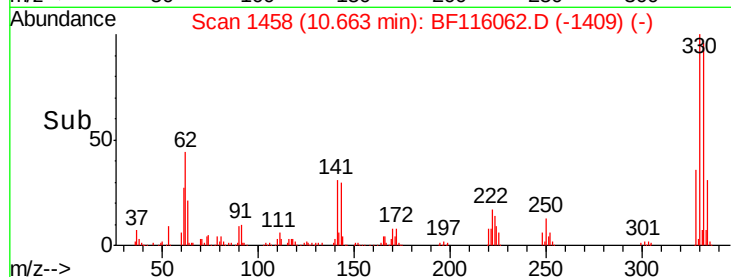


Abundance

Ion 329.80 (329.50 to 330.50): E

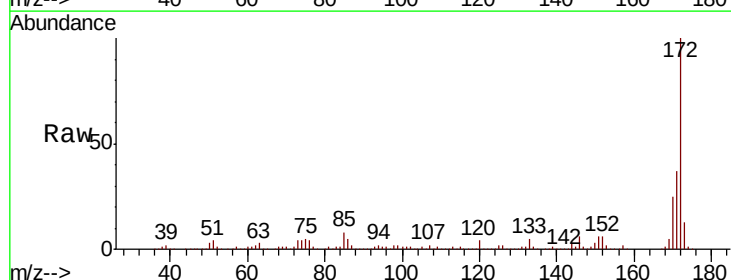
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 88.235 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116062.D
 Acq: 8 Aug 2019 12:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.6	44.4
170	25.1	20.1	30.1

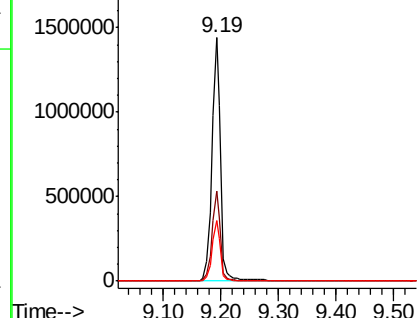
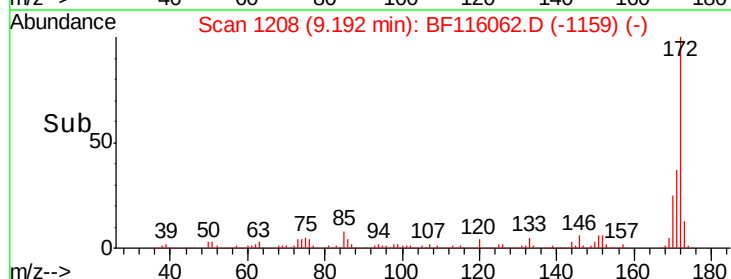


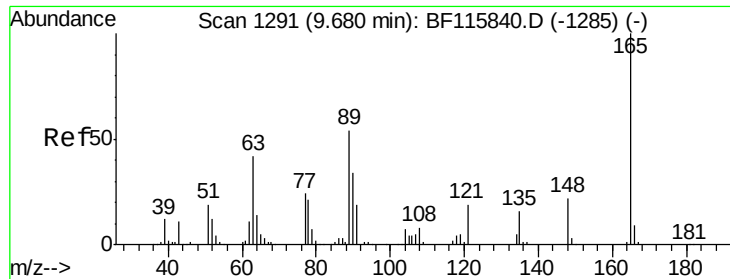
Abundance

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

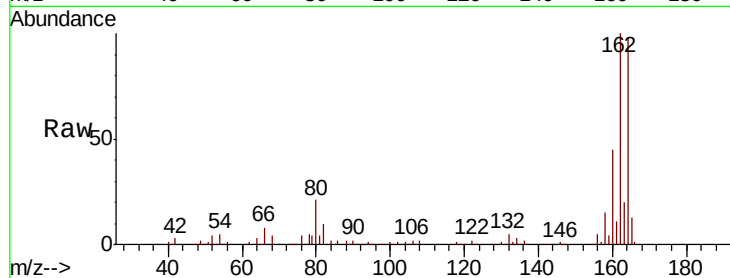




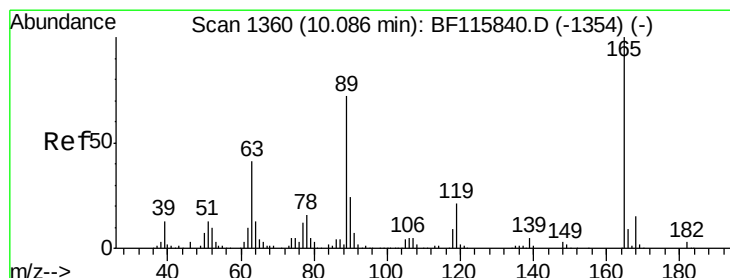
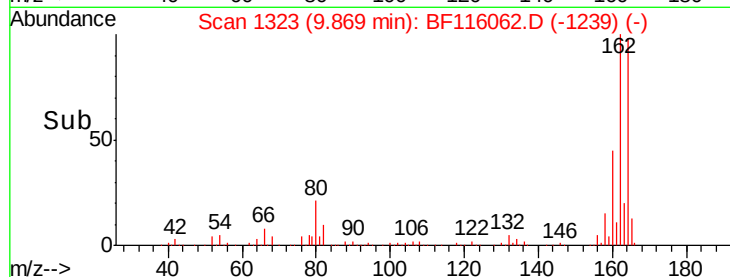
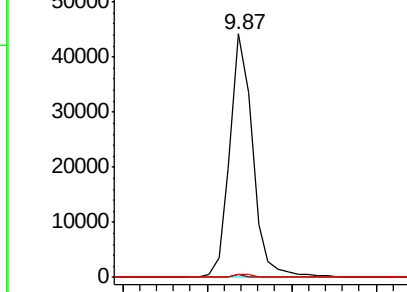
#51
 2,6-Dinitrotoluene
 Concen: 8.645 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116062.D
 Acq: 8 Aug 2019 12:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	38.2	57.2#
89	1.5	42.9	64.3#



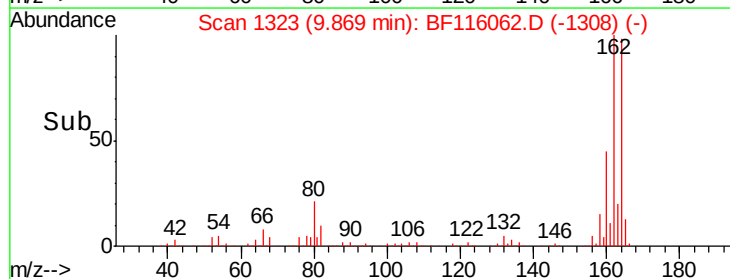
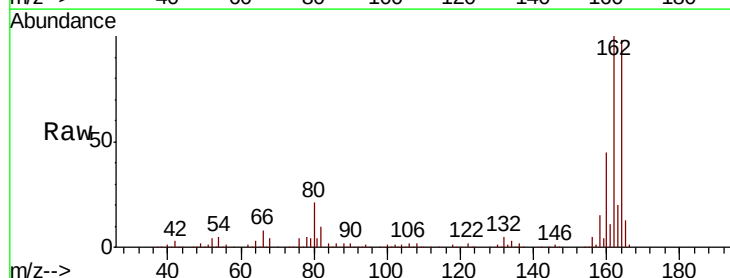
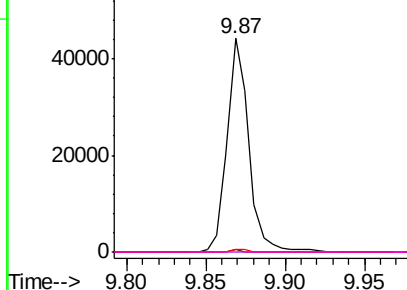
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

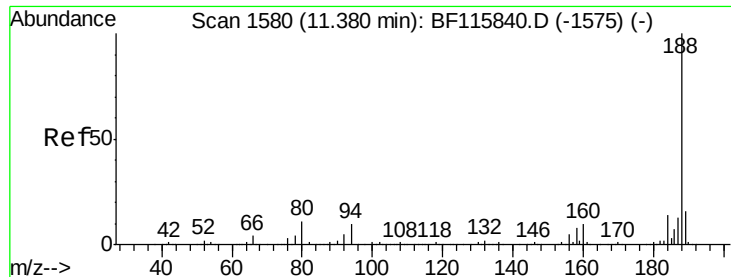


#57
 2,4-Dinitrotoluene
 Concen: 6.493 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116062.D
 Acq: 8 Aug 2019 12:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	39.6	59.4#
89	1.5	62.2	93.2#
182	0.0	2.1	3.1#

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

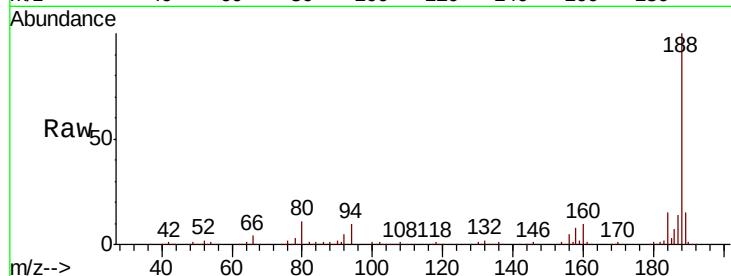




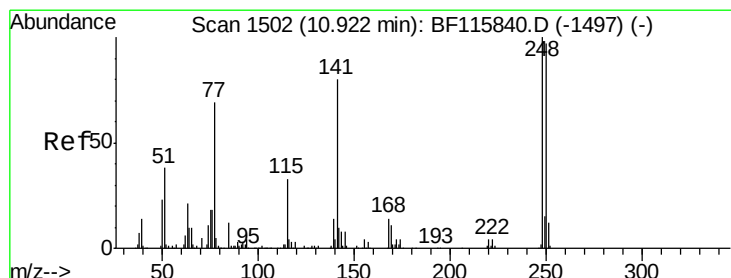
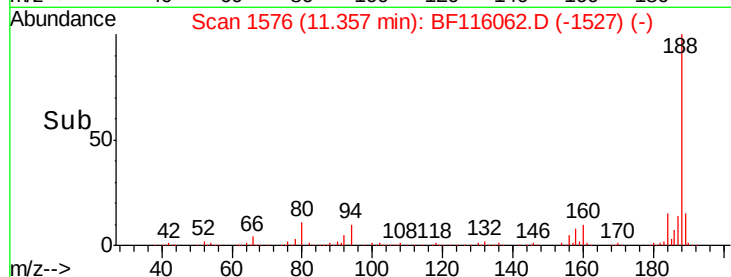
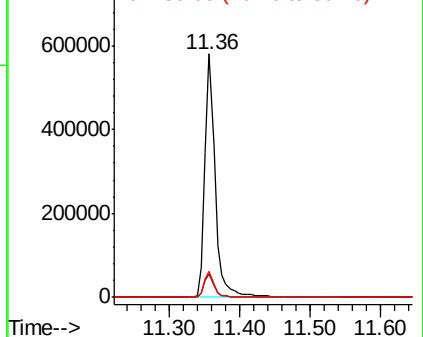
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116062.D
 Acq: 8 Aug 2019 12:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.1	12.1
80	10.8	8.7	13.1

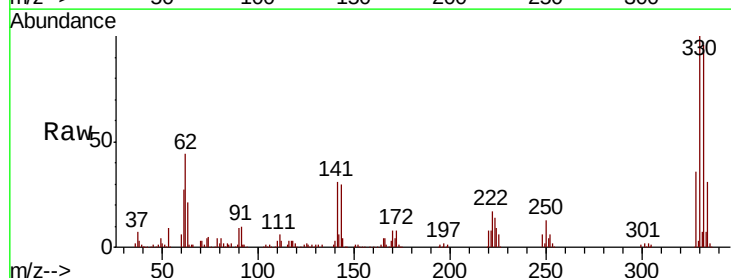


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

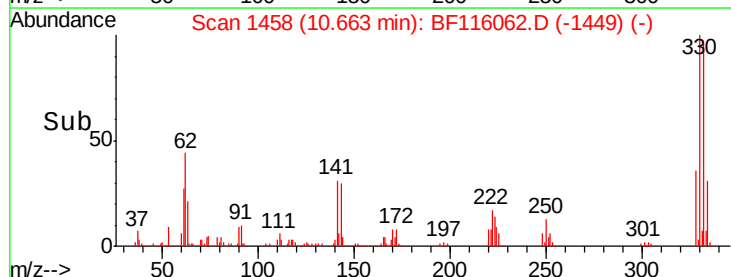
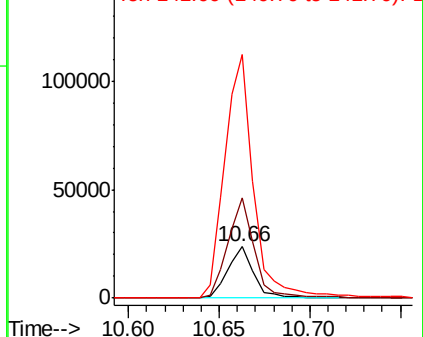


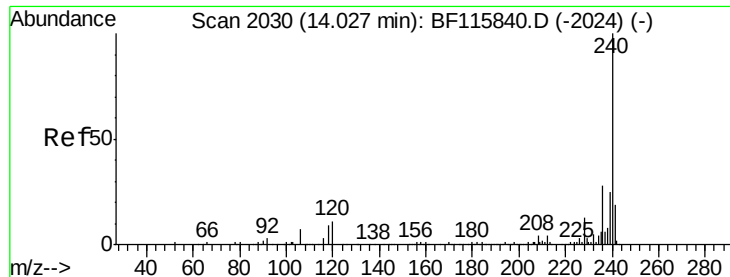
#67
 4-Bromophenyl-phenylether
 Concen: 3.781 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116062.D
 Acq: 8 Aug 2019 12:09

Tgt Ion	Ratio	Lower	Upper
248	100		
250	195.2	77.4	116.2#
141	475.8	56.8	85.2#



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: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF116062.D

Acq: 8 Aug 2019 12:09

Instrument :

BNA_F

ClientSampleId :

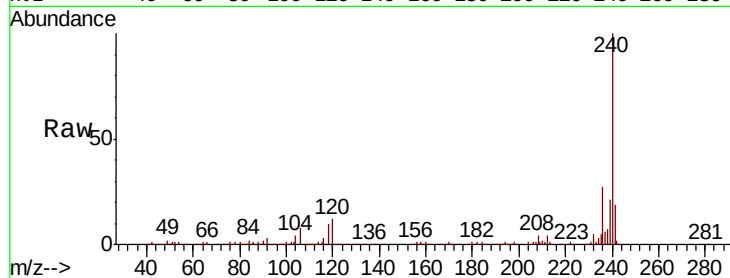
Tot Ion:240 Resp: 428479

Ion Ratio Lower Upper

240 100

120 11.7 10.7 16.1

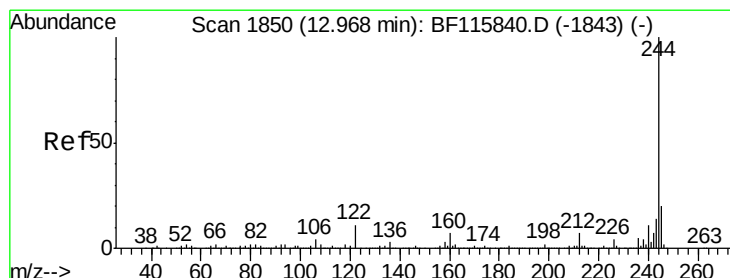
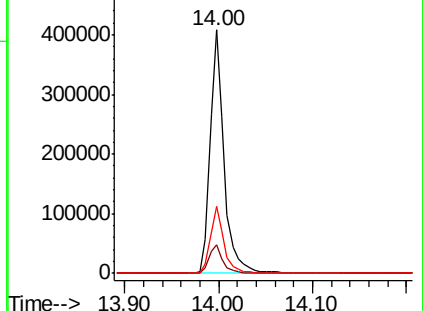
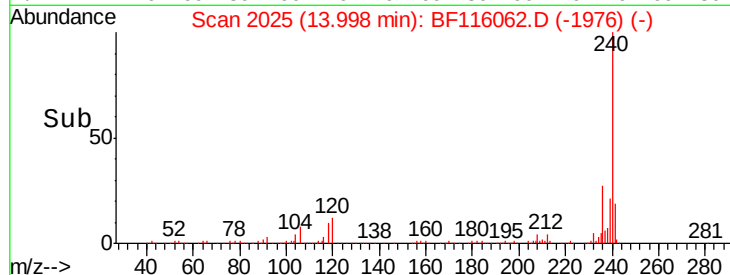
236 27.4 22.2 33.2



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: 85.431 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116062.D

Acq: 8 Aug 2019 12:09

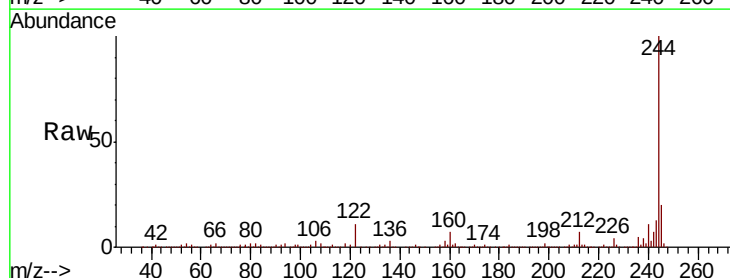
Tgt Ion:244 Resp: 1737191

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

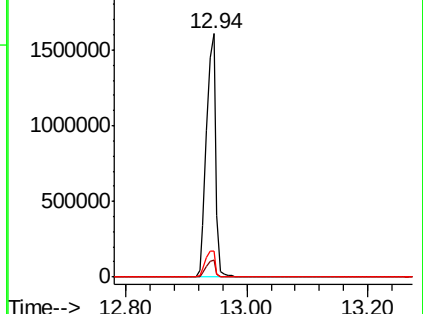
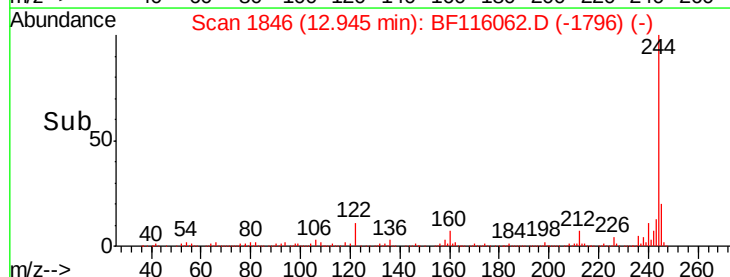
122 10.5 9.0 13.4

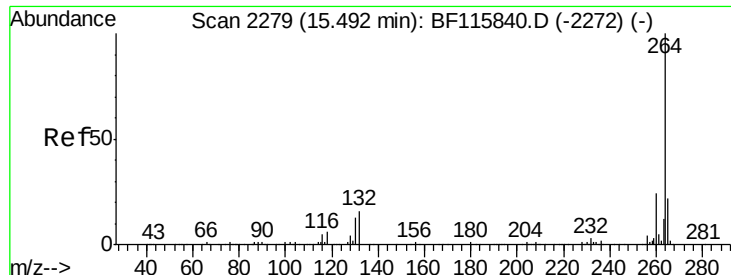


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

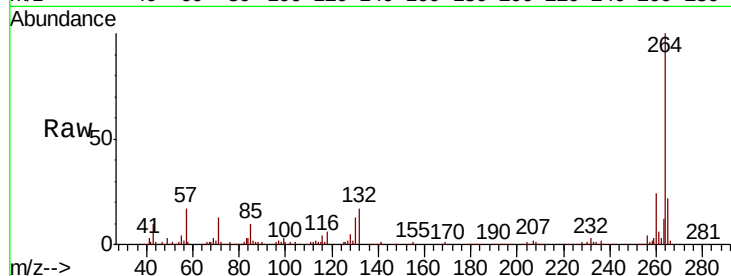




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF116062.D
Acq: 8 Aug 2019 12:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.7	29.5
265	21.5	17.4	26.0



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

