

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082019\
 Data File : BF116442.D
 Acq On : 20 Aug 2019 20:53
 Operator : HP/JU
 Sample : K4387-26
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 21 01:15:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

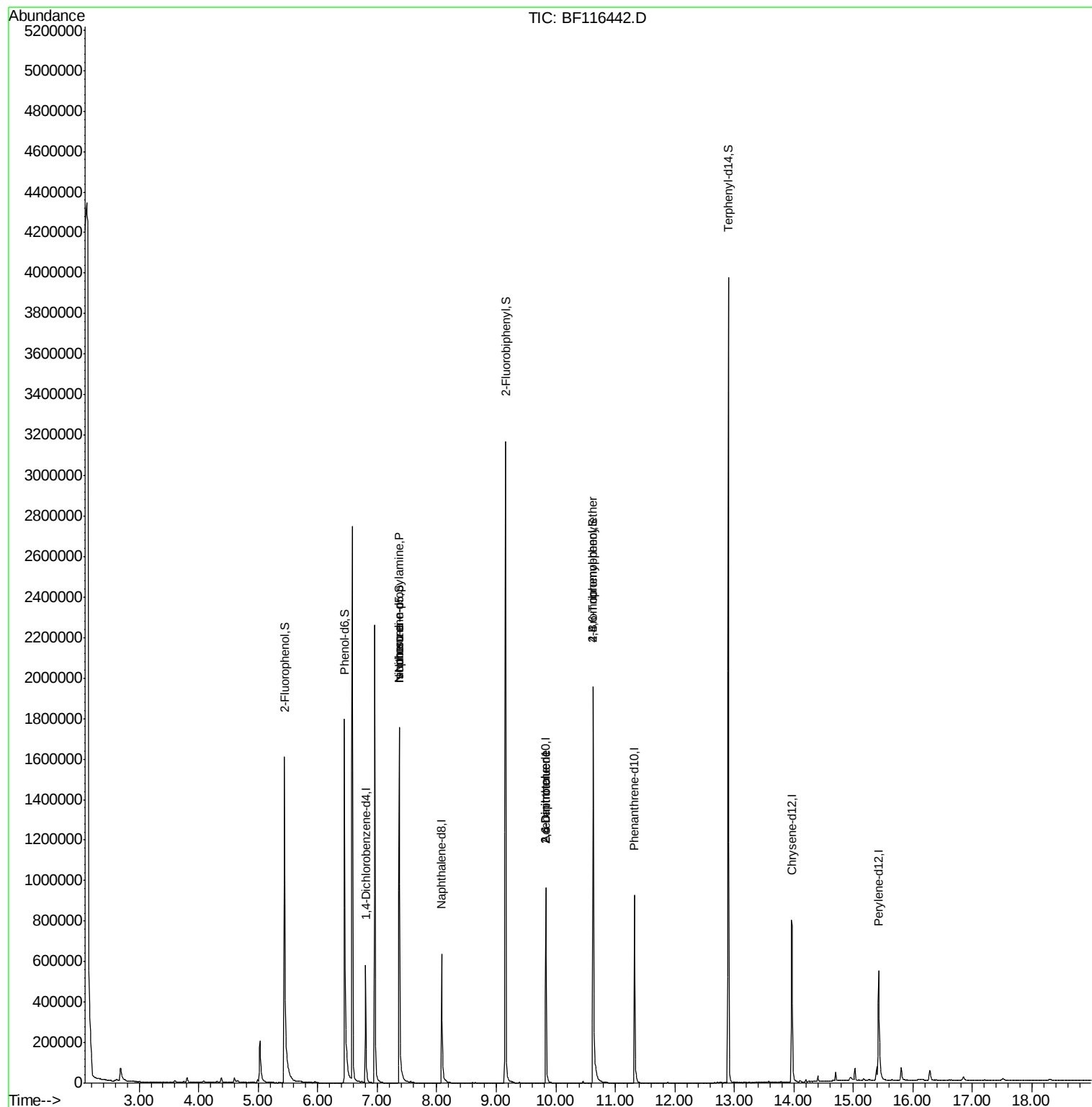
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	93725	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	369245	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	200499	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	383180	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	333884	20.00	ng	-0.02
87) Perylene-d12	15.42	264	335270	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	692935	123.77	ng	0.00
7) Phenol-d6	6.45	99	828207	117.25	ng	-0.01
23) Nitrobenzene-d5	7.37	82	644778	100.80	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	295140	151.83	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	1092069	102.02	ng	-0.01
79) Terphenyl-d14	12.90	244	1490914	94.09	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	83823	19.150	ng	# 78
25) Isophorone	7.37	82	645745	52.793	ng	# 65
51) 2,6-Dinitrotoluene	9.83	165	25280	8.521	ng	# 28
57) 2,4-Dinitrotoluene	9.83	165	25280	6.400	ng	# 19
67) 4-Bromophenyl-phenylether	10.63	248	17721	4.320	ng	# 1

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

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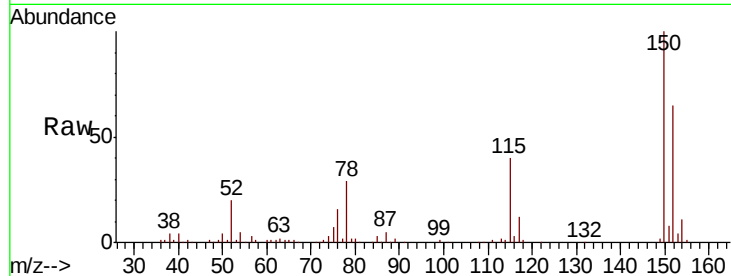


#1

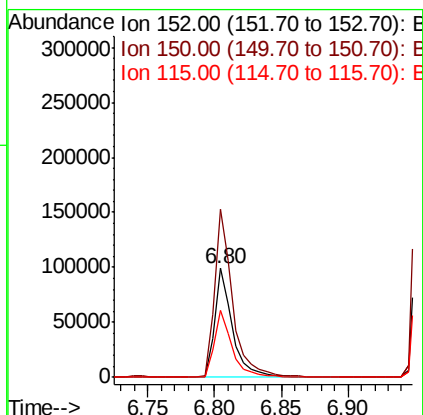
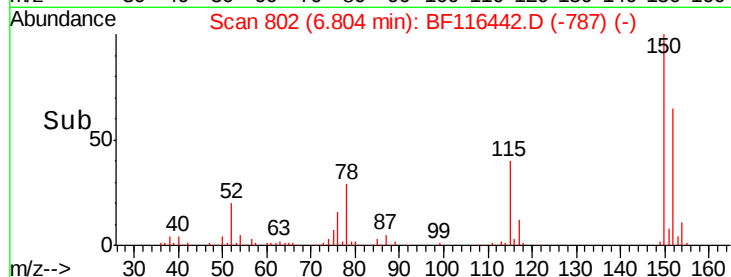
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116442.D
Acq: 20 Aug 2019 20:53

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.2	189.2
115	61.7	49.9	74.9



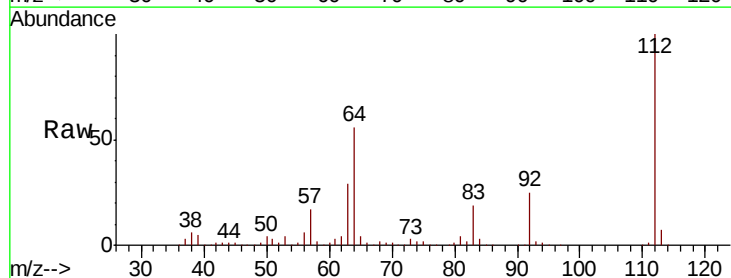
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



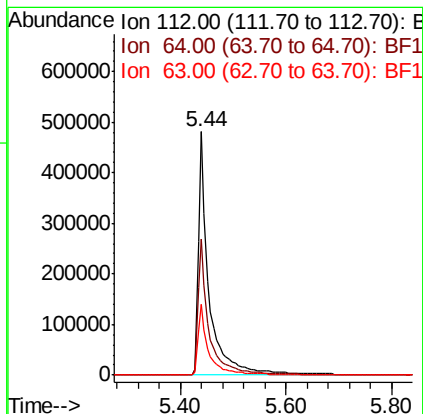
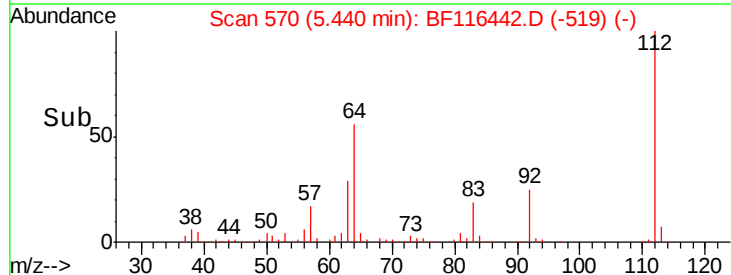
#5

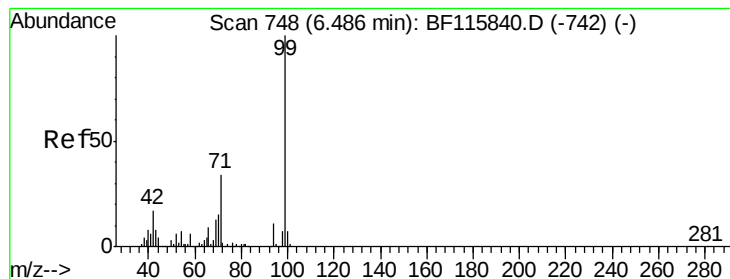
2-Fluorophenol
Concen: 123.768 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF116442.D
Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	45.4	68.2
63	29.1	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: 117.248 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF116442.D

Acq: 20 Aug 2019 20:53

Instrument :

BNA_F

ClientSampled :

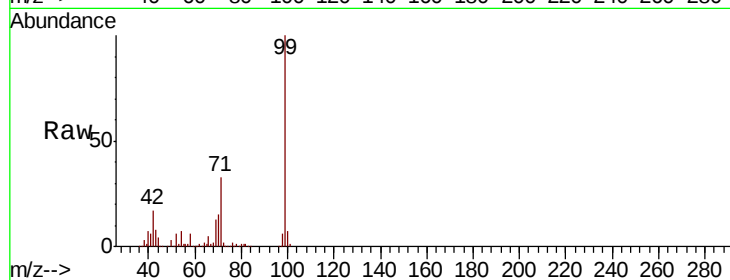
Tot Ion: 99 Resp: 828207

Ion Ratio Lower Upper

99 100

42 16.9 13.8 20.8

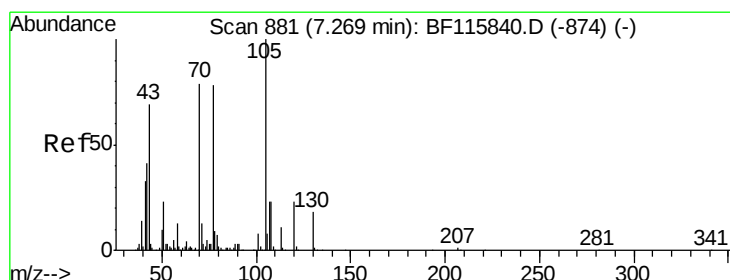
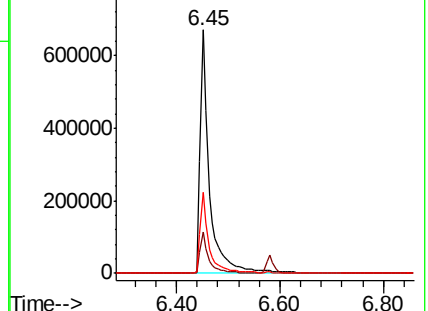
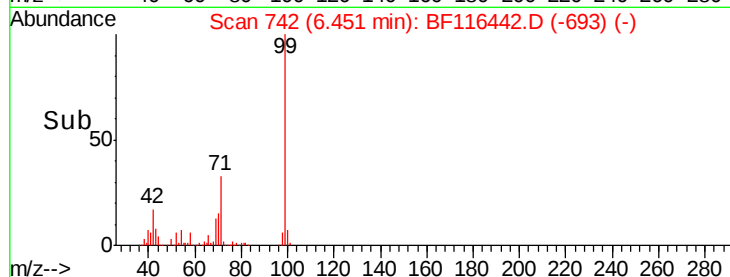
71 33.2 27.3 40.9



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: 19.150 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF116442.D

Acq: 20 Aug 2019 20:53

Tgt Ion: 70 Resp: 83823

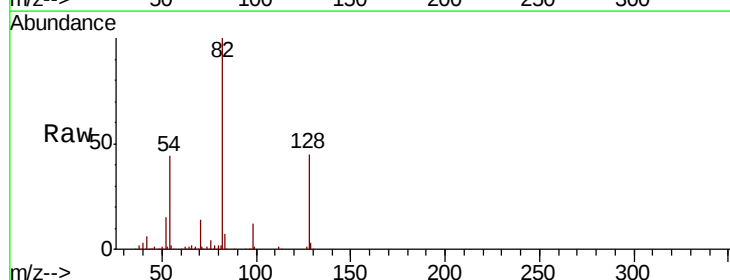
Ion Ratio Lower Upper

70 100

42 42.1 40.9 61.3

101 0.0 7.9 11.9#

130 2.4 16.9 25.3#

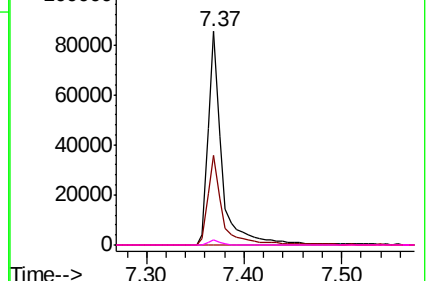
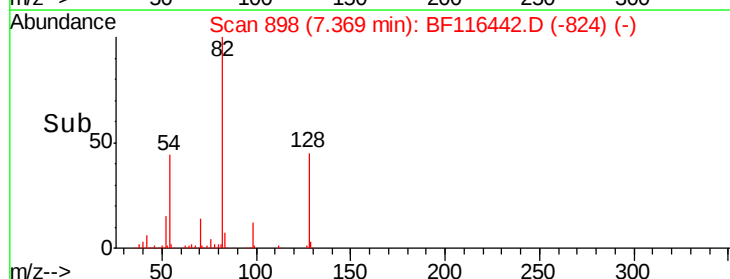


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF116442.D

Acq: 20 Aug 2019 20:53

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 369245

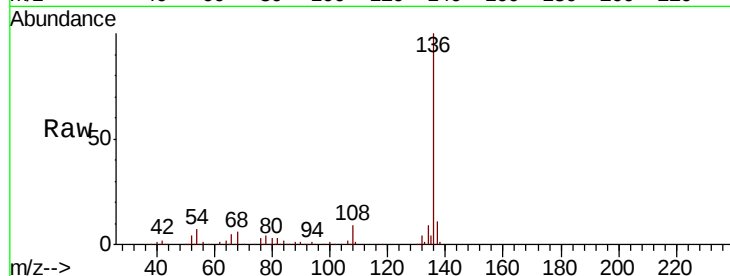
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 6.6 5.8 8.6

68 5.8 5.2 7.8

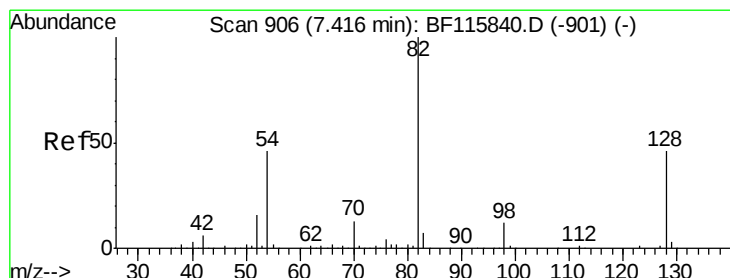
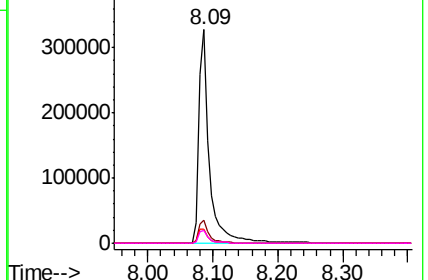
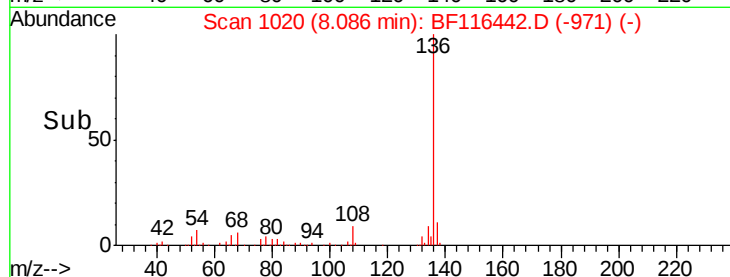


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.796 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF116442.D

Acq: 20 Aug 2019 20:53

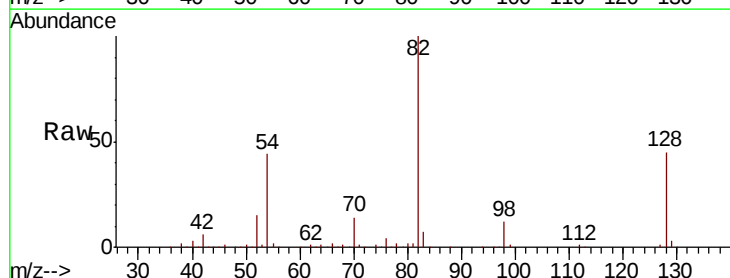
Tgt Ion: 82 Resp: 644778

Ion Ratio Lower Upper

82 100

128 44.5 36.5 54.7

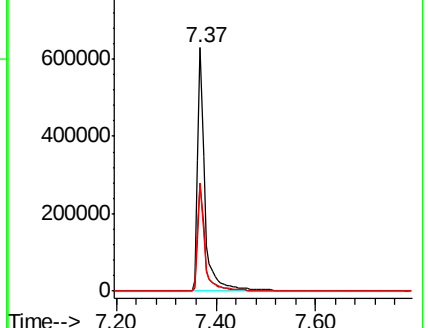
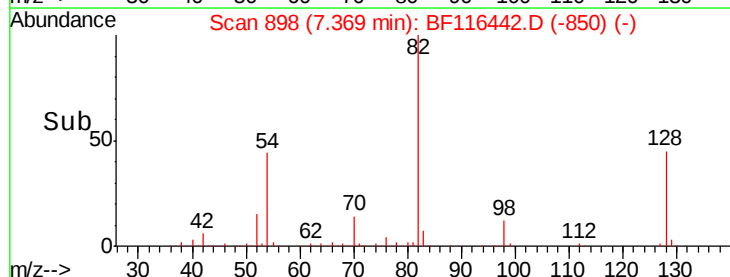
54 44.1 36.0 54.0



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: 52.793 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF116442.D

Acq: 20 Aug 2019 20:53

Instrument :

BNA_F

ClientSampleId :

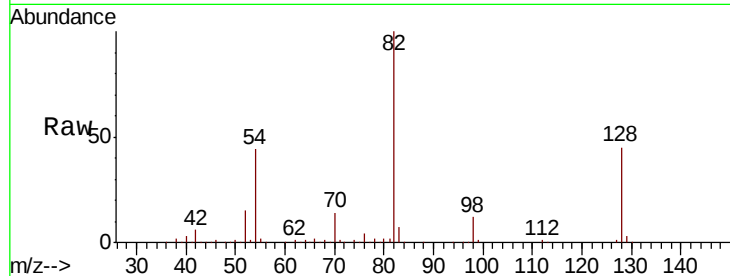
Tot Ion: 82 Resp: 645745

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

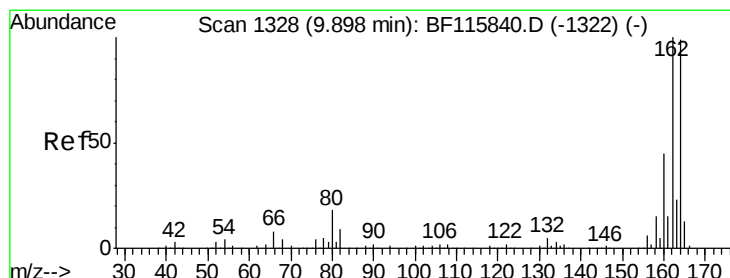
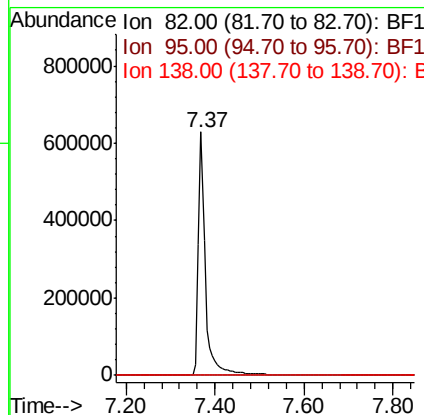
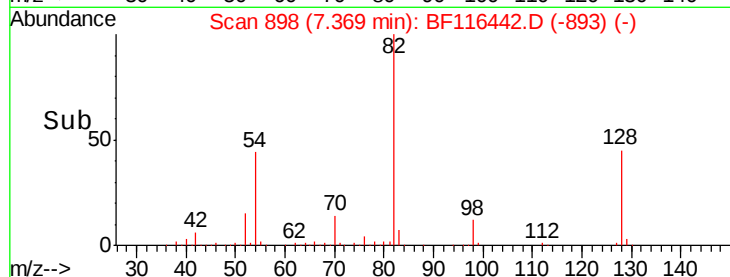
138 0.0 14.5 21.7#



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: 9.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BF116442.D

Acq: 20 Aug 2019 20:53

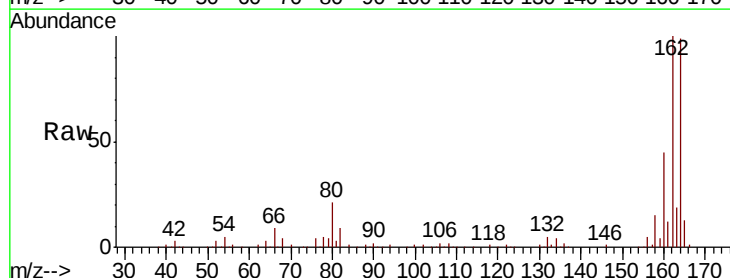
Tgt Ion: 164 Resp: 200499

Ion Ratio Lower Upper

164 100

162 101.0 82.6 124.0

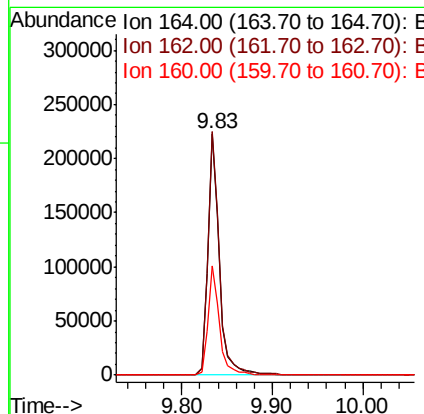
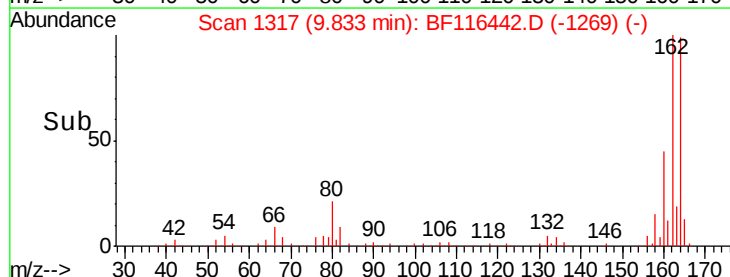
160 45.4 37.6 56.4



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

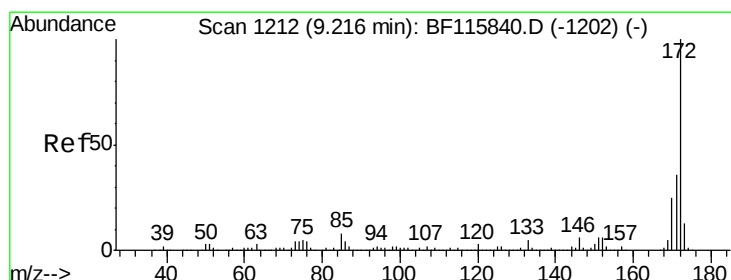
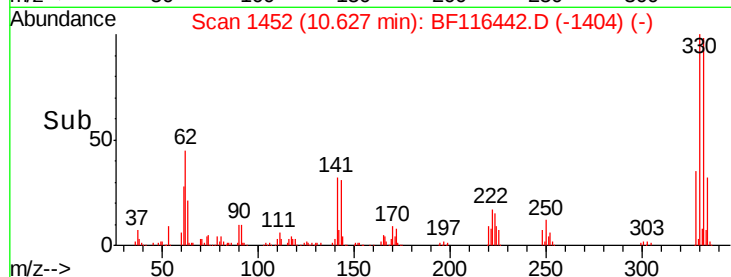
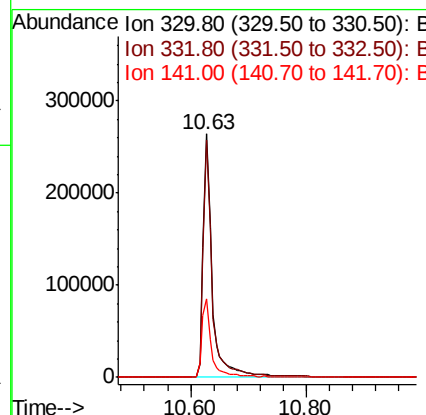
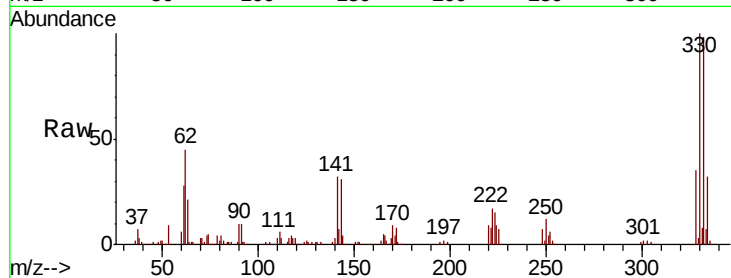




#42
 2,4,6-Tribromophenol
 Concen: 151.829 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BF116442.D
 Acq: 20 Aug 2019 20:53

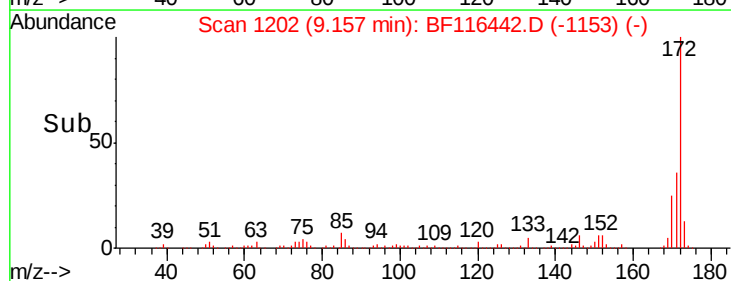
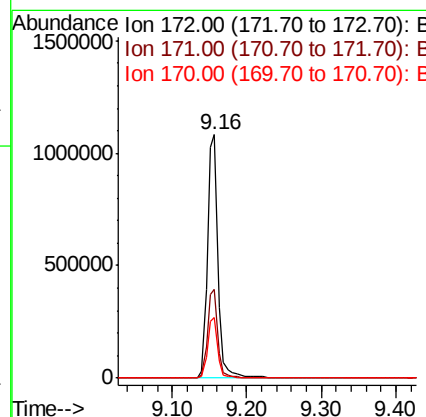
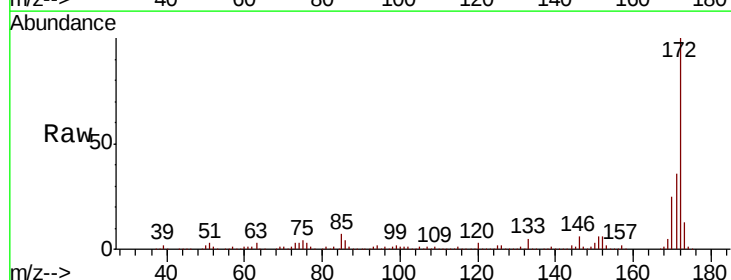
Instrument :
 BNA_F
 ClientSampleId :

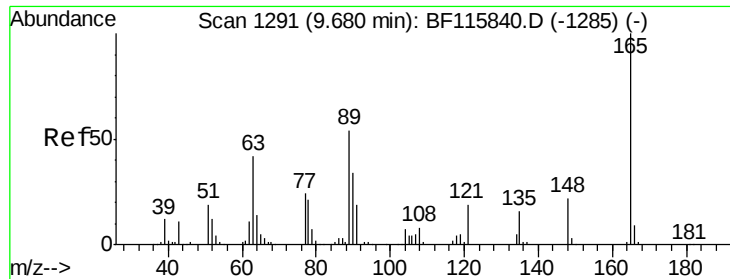
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.8	115.2
141	34.0	26.3	39.5



#45
 2-Fluorobiphenyl
 Concen: 102.022 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF116442.D
 Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	25.1	20.1	30.1

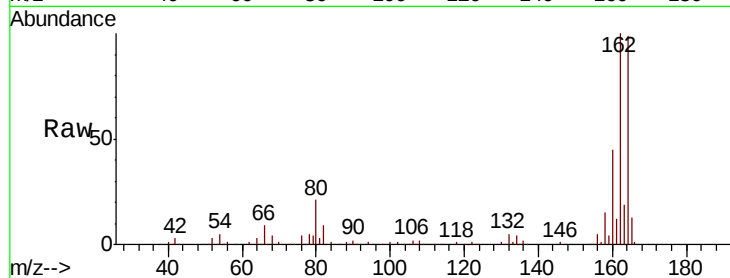




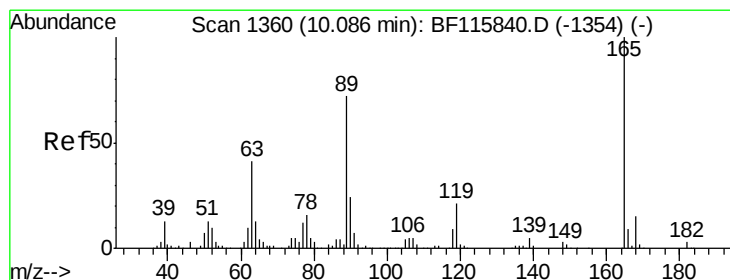
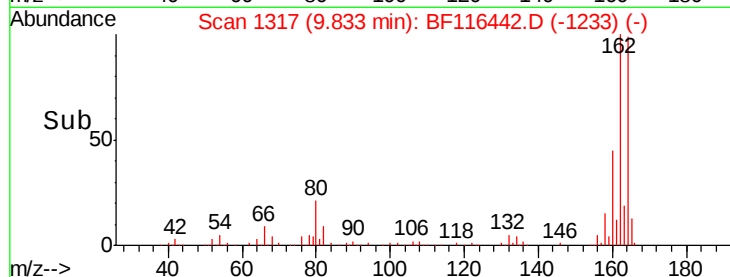
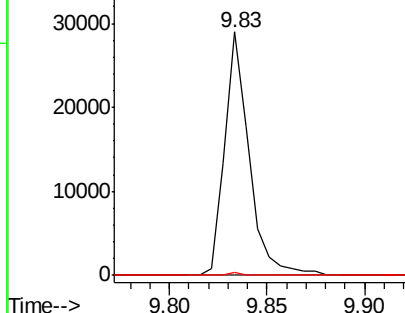
#51
 2,6-Dinitrotoluene
 Concen: 8.521 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.19 min
 Lab File: BF116442.D
 Acq: 20 Aug 2019 20:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.2	57.2#
89	1.1	42.9	64.3#

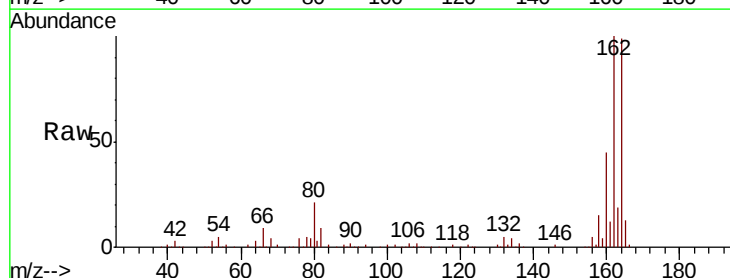


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

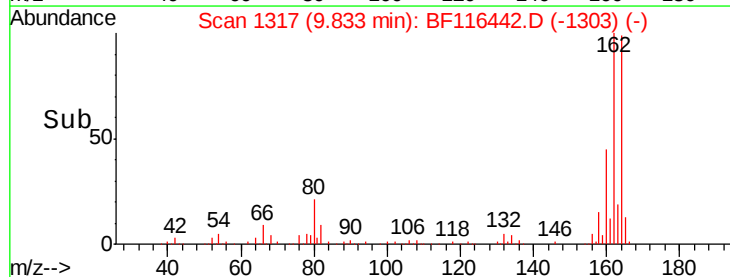
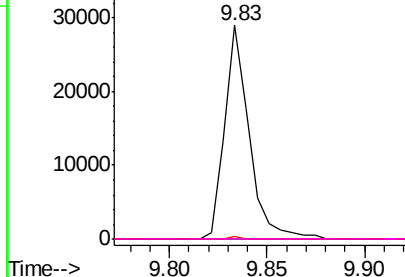


#57
 2,4-Dinitrotoluene
 Concen: 6.400 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.22 min
 Lab File: BF116442.D
 Acq: 20 Aug 2019 20:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.6	59.4#
89	1.1	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: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF116442.D

Acq: 20 Aug 2019 20:53

Instrument :

BNA_F

ClientSampleId :

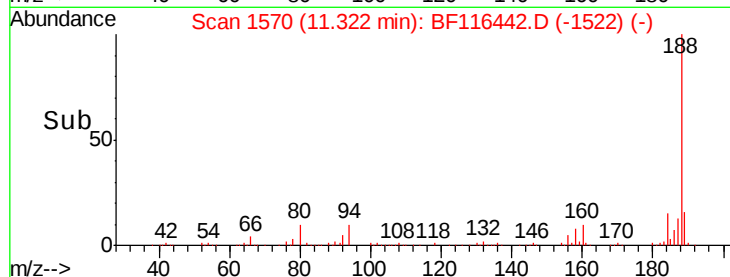
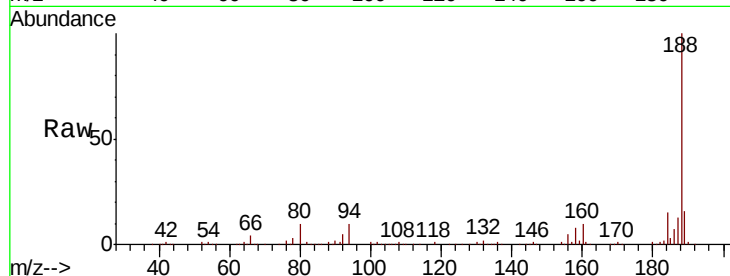
Tot Ion:188 Resp: 383180

Ion Ratio Lower Upper

188 100

94 9.8 8.1 12.1

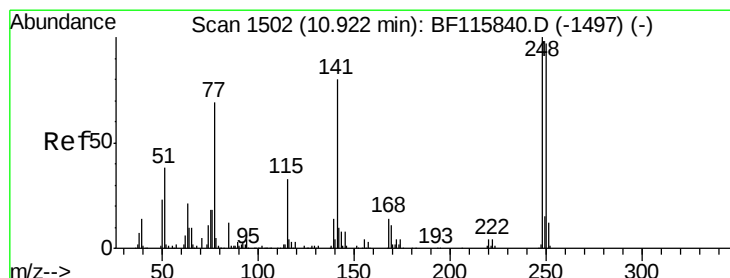
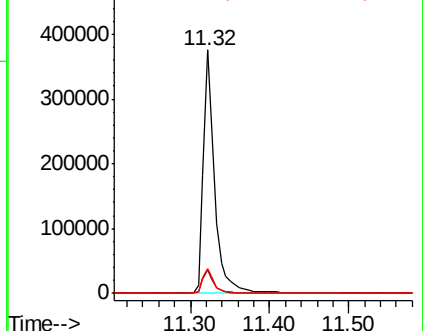
80 10.4 8.7 13.1



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: 4.320 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.25 min

Lab File: BF116442.D

Acq: 20 Aug 2019 20:53

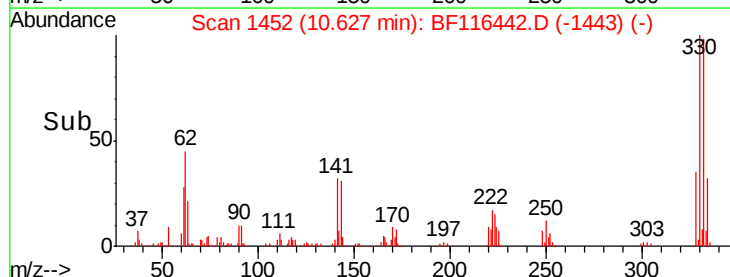
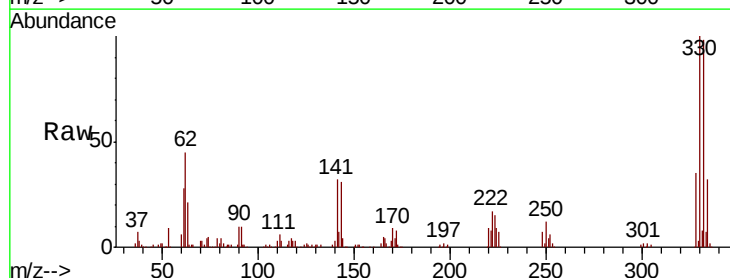
Tgt Ion:248 Resp: 17721

Ion Ratio Lower Upper

248 100

250 191.4 77.4 116.2#

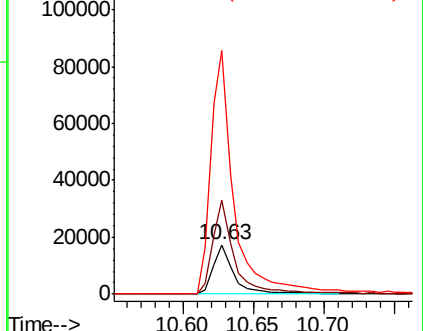
141 496.4 56.8 85.2#

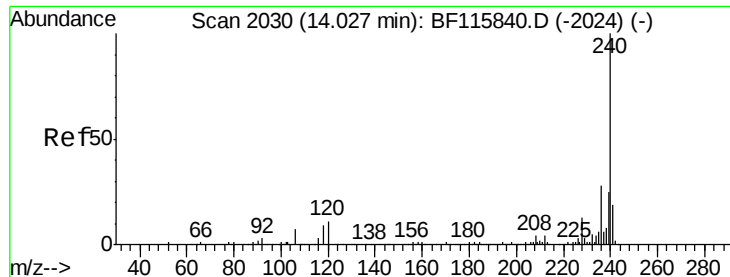


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

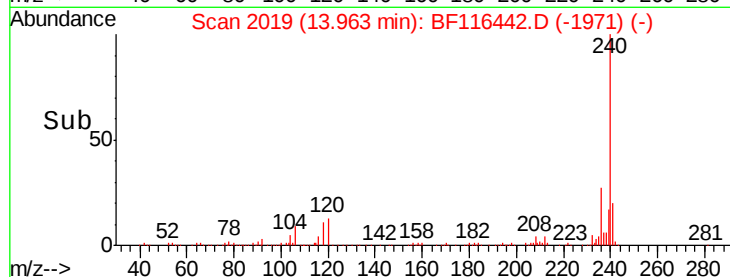
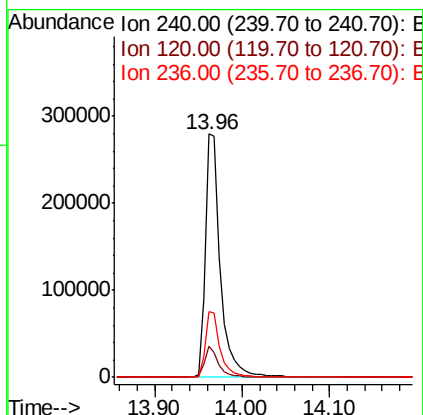
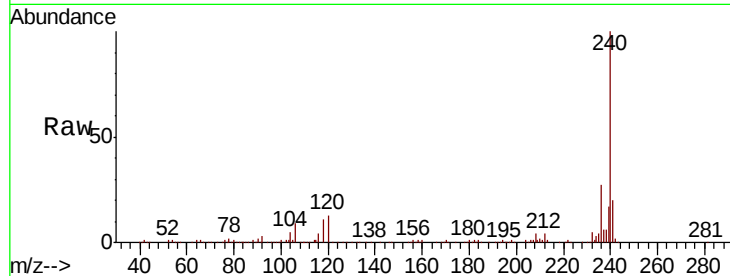




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.02 min
 Lab File: BF116442.D
 Acq: 20 Aug 2019 20:53

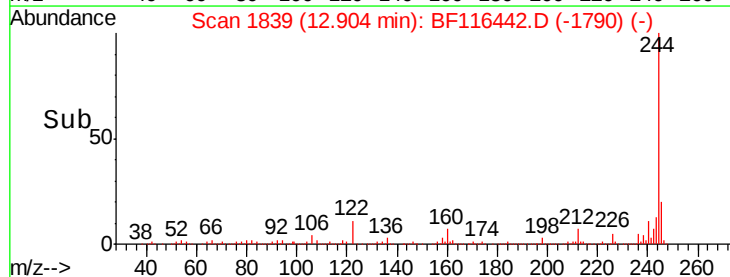
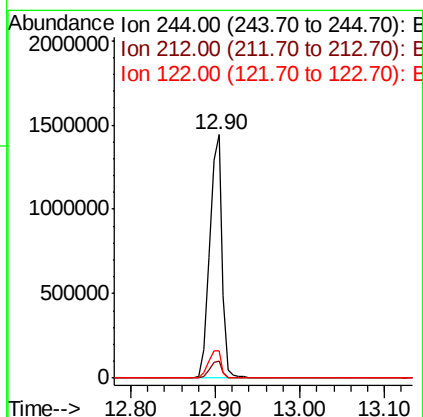
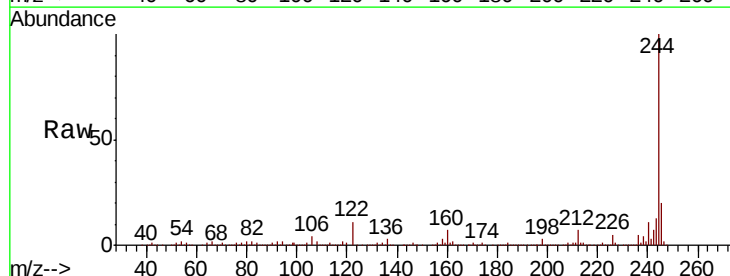
Instrument :
 BNA_F
 ClientSampleId :

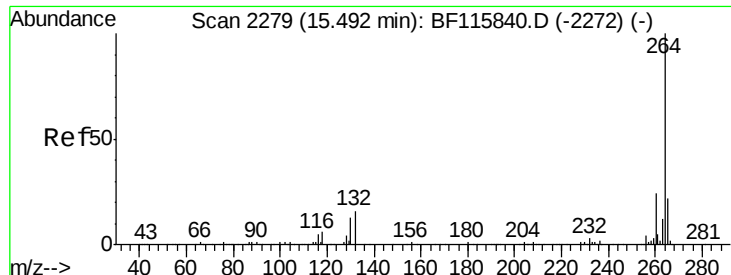
Tot Ion:240 Resp: 333884
 Ion Ratio Lower Upper
 240 100
 120 12.7 10.7 16.1
 236 27.1 22.2 33.2



#79
 Terphenyl-d14
 Concen: 94.093 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF116442.D
 Acq: 20 Aug 2019 20:53

Tgt Ion:244 Resp: 1490914
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 11.2 9.0 13.4

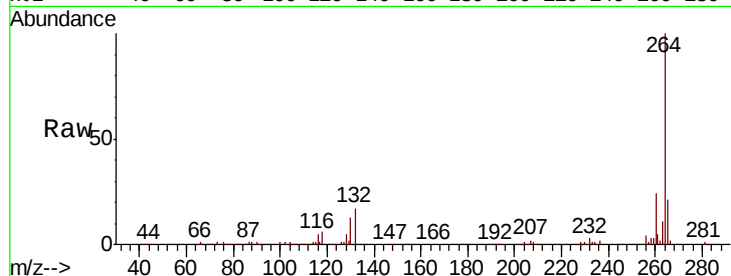




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. -0.02 min
 Lab File: BF116442.D
 Acq: 20 Aug 2019 20:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	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

