

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117636.D
 Acq On : 30 Oct 2019 20:26
 Operator : JU
 Sample : K5539-15 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 01:26:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

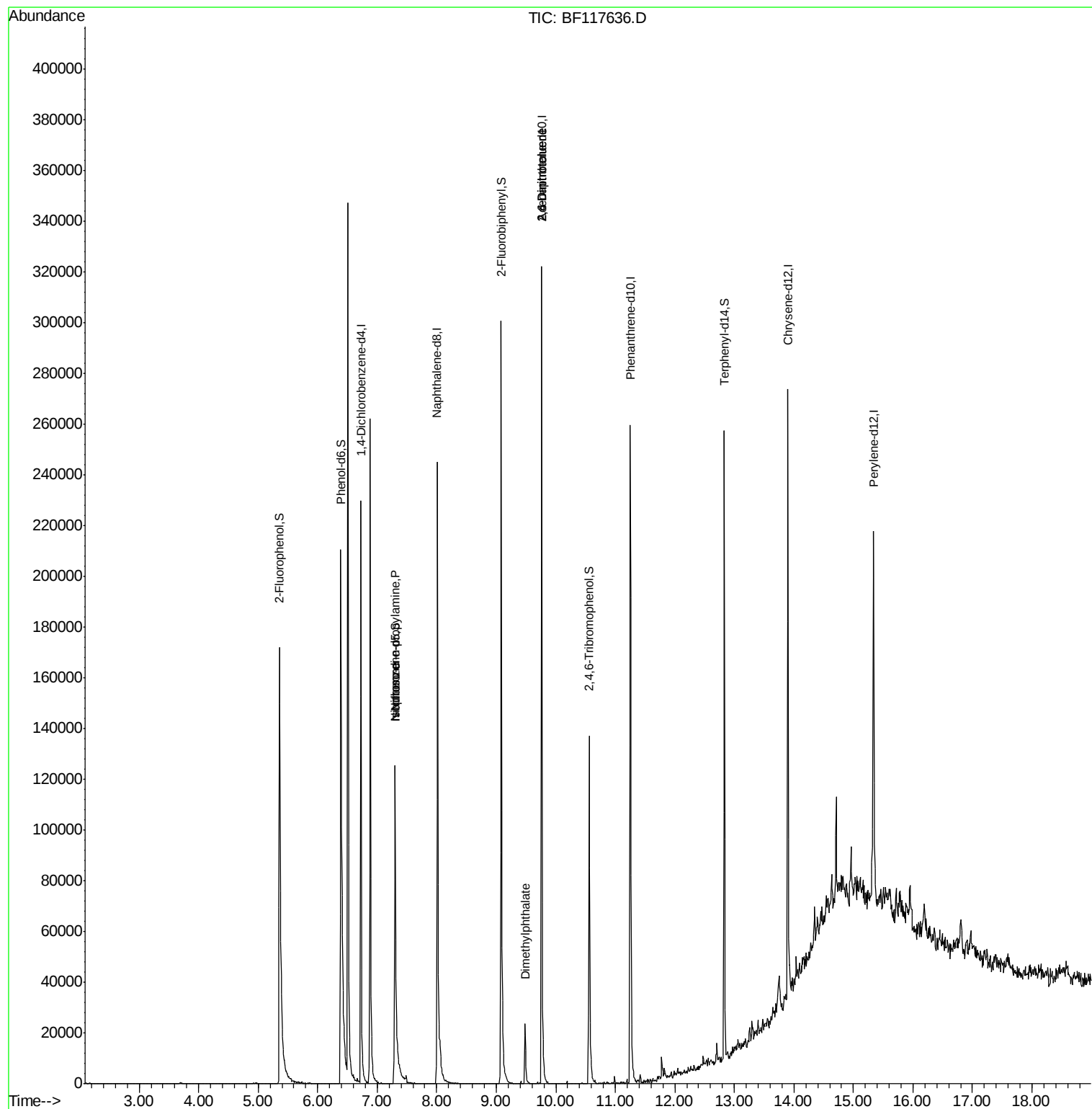
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	38476	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	162168	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	76368	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	112136	20.00	ng	0.00
76) Chrysene-d12	13.90	240	80401	20.00	ng	0.00
87) Perylene-d12	15.34	264	67800	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	100227	38.75	ng	0.00
7) Phenol-d6	6.39	99	142497	41.02	ng	0.00
23) Nitrobenzene-d5	7.30	82	78821	24.00	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	20823	31.51	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	125916	23.23	ng	-0.01
79) Terphenyl-d14	12.83	244	88079	17.87	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	2695	Below Cal	#	71
19) n-Nitroso-di-n-propylamine	7.30	70	10939	5.156 ng	#	71
25) Isophorone	7.30	82	78821	13.871 ng	#	65
50) Dimethylphthalate	9.49	163	15282	2.807 ng	#	99
51) 2,6-Dinitrotoluene	9.76	165	9774	8.603 ng	#	22
57) 2,4-Dinitrotoluene	9.76	165	9774	6.471 ng	#	12
77) Benzdine	12.83	184	1080	Below Cal	#	67

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

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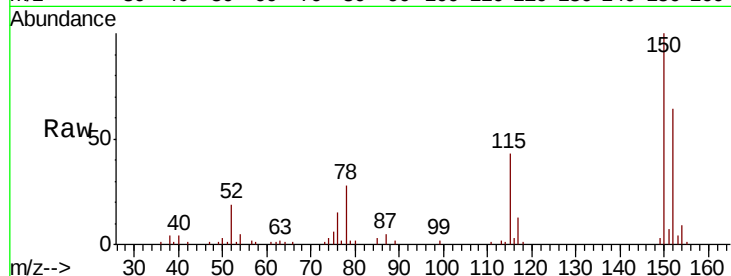


#1

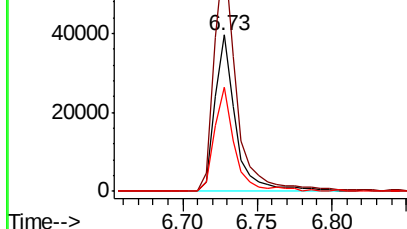
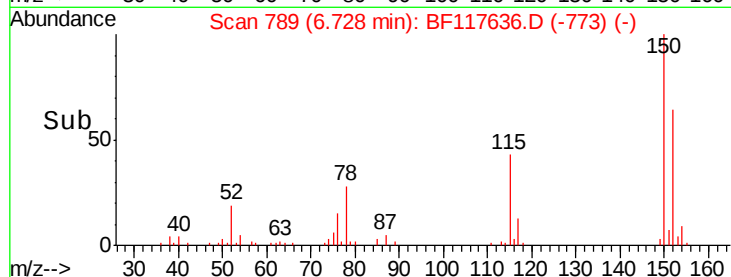
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117636.D
Acq: 30 Oct 2019 20:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 38476
Ion Ratio Lower Upper
152 100
150 155.7 126.8 190.2
115 66.4 51.6 77.4



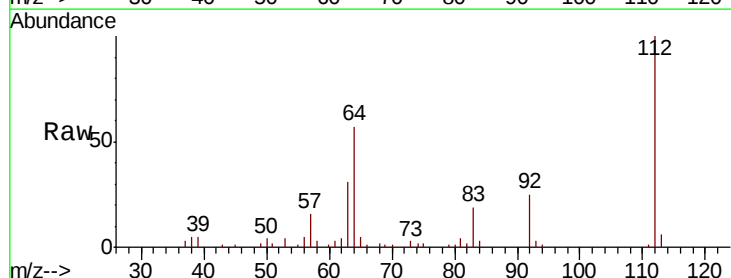
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



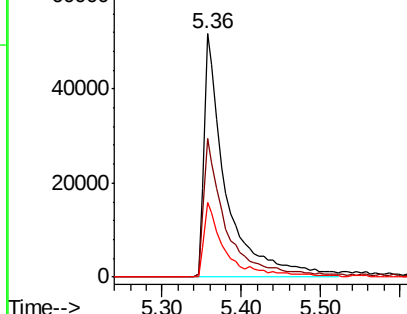
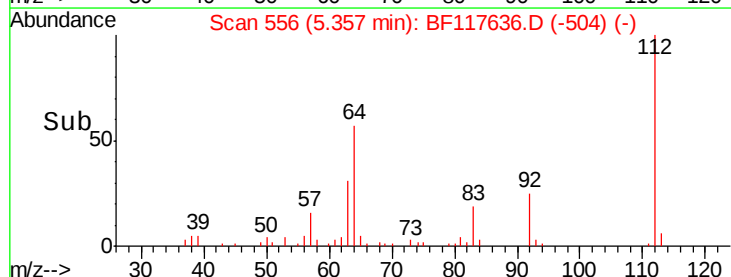
#5

2-Fluorophenol
Concen: 38.754 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117636.D
Acq: 30 Oct 2019 20:26

Tgt Ion:112 Resp: 100227
Ion Ratio Lower Upper
112 100
64 56.9 44.1 66.1
63 30.6 23.4 35.2



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: 41.022 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117636.D

Acq: 30 Oct 2019 20:26

Instrument :

BNA_F

ClientSampleId :

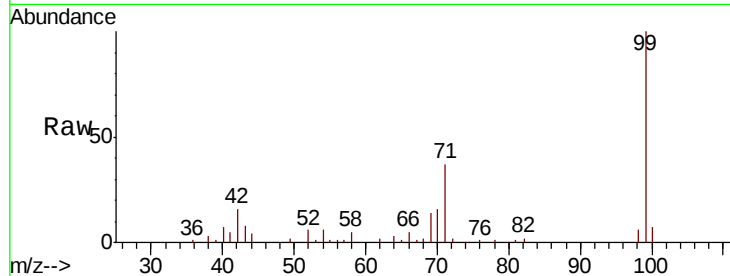
Tot Ion: 99 Resp: 142497

Ion Ratio Lower Upper

99 100

42 16.0 12.8 19.2

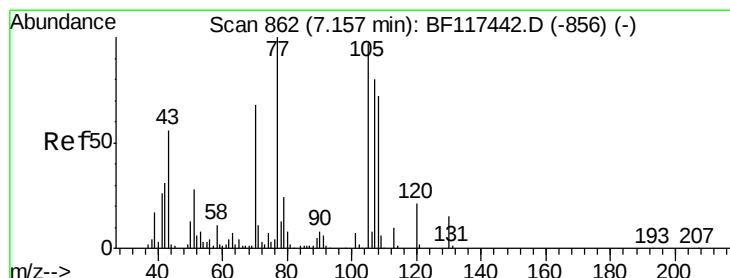
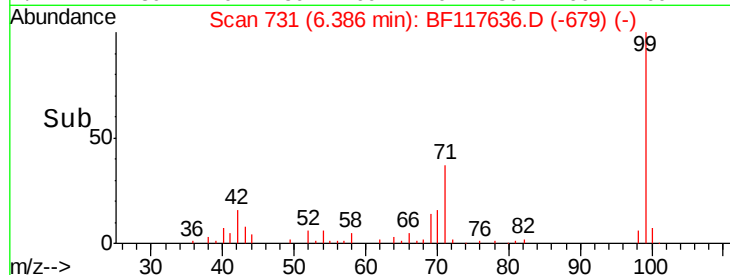
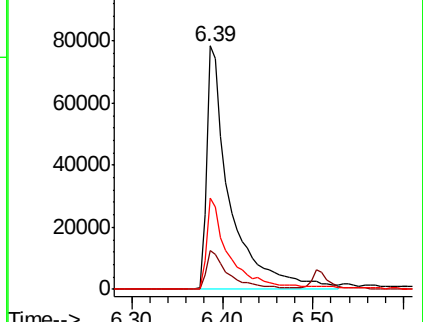
71 37.4 28.6 43.0



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: 5.156 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117636.D

Acq: 30 Oct 2019 20:26

Tgt Ion: 70 Resp: 10939

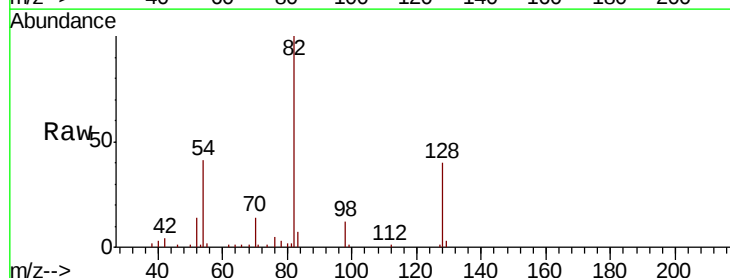
Ion Ratio Lower Upper

70 100

42 32.7 36.7 55.1#

101 0.0 8.3 12.5#

130 0.0 18.1 27.1#

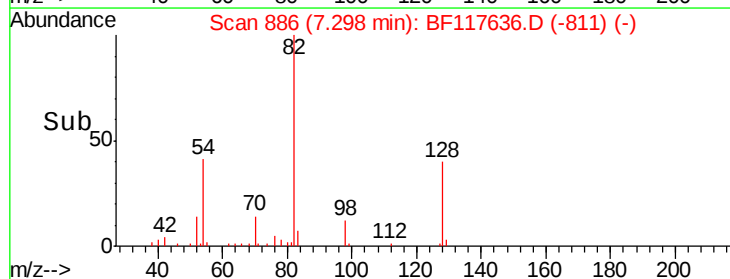
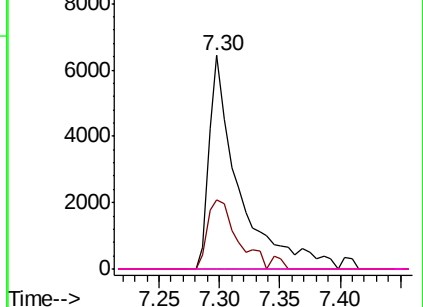


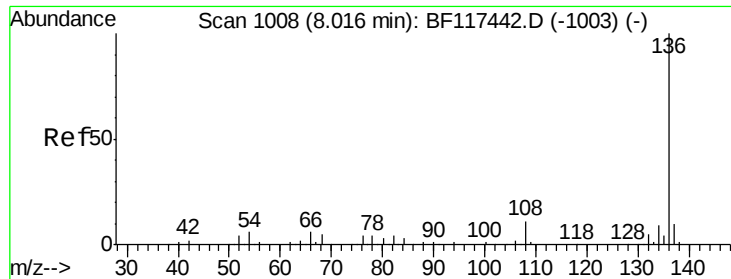
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

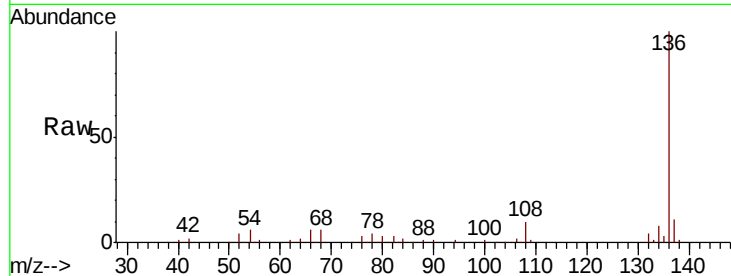




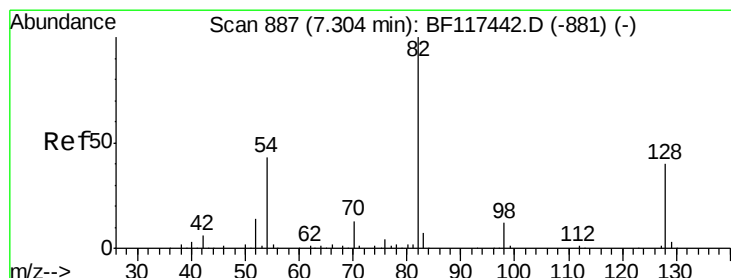
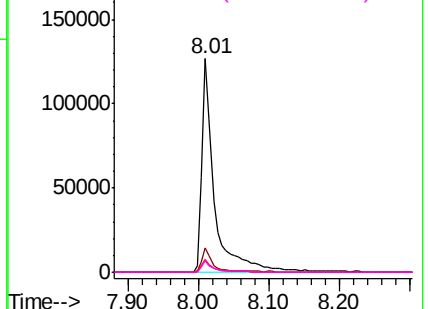
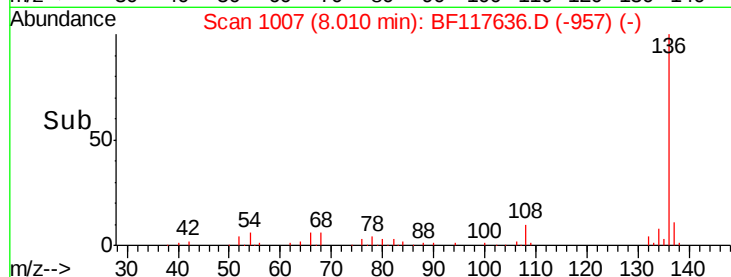
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117636.D
Acq: 30 Oct 2019 20:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	162168
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.2 12.4
54	5.7	4.5 6.7
68	5.6	4.3 6.5

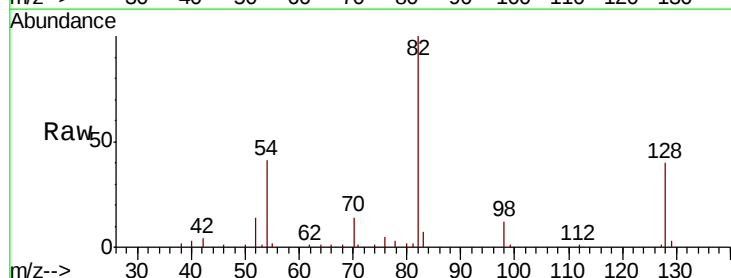


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

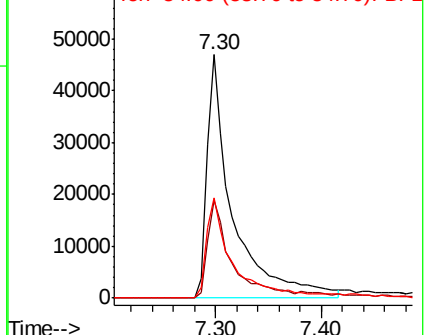
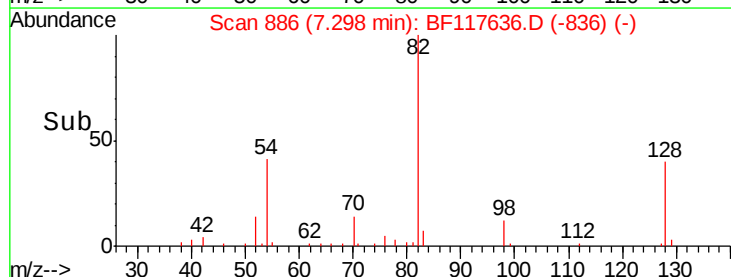


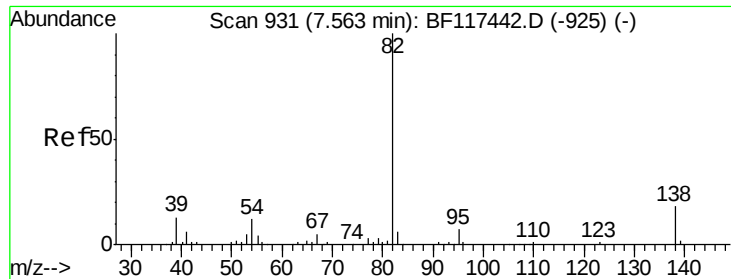
#23
Nitrobenzene-d5
Concen: 23.995 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117636.D
Acq: 30 Oct 2019 20:26

Tgt Ion: 82	Resp:	78821
Ion	Ratio	Lower Upper
82	100	
128	39.9	32.2 48.2
54	40.9	34.2 51.2



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: 13.871 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117636.D

Acq: 30 Oct 2019 20:26

Instrument :

BNA_F

ClientSampleId :

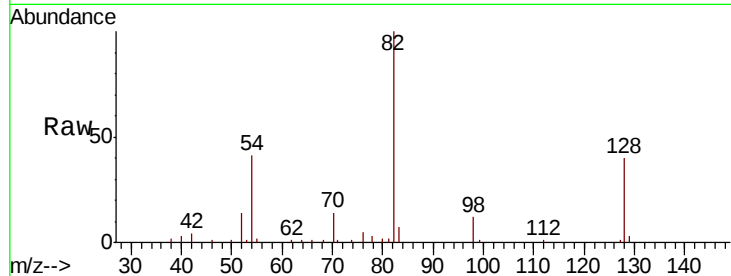
Tot Ion: 82 Resp: 78821

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

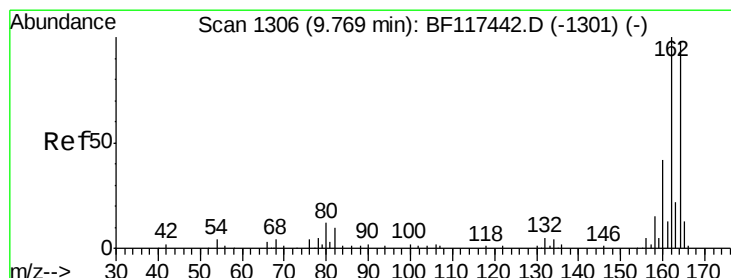
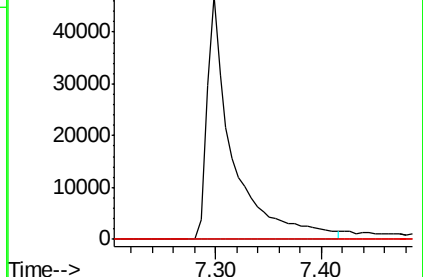
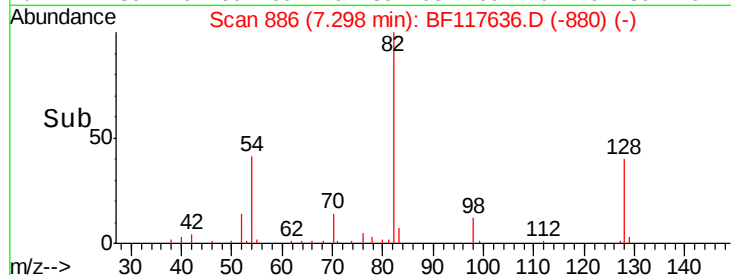
138 0.0 14.2 21.2#



Abundance Ion 82.00 (81.70 to 82.70): BF117636.D (-880) (-)

Ion 95.00 (94.70 to 95.70): BF117636.D (-880) (-)

Ion 138.00 (137.70 to 138.70): BF117636.D (-880) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117636.D

Acq: 30 Oct 2019 20:26

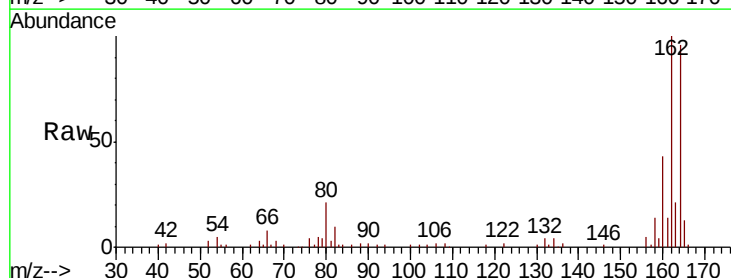
Tgt Ion: 164 Resp: 76368

Ion Ratio Lower Upper

164 100

162 104.2 81.8 122.6

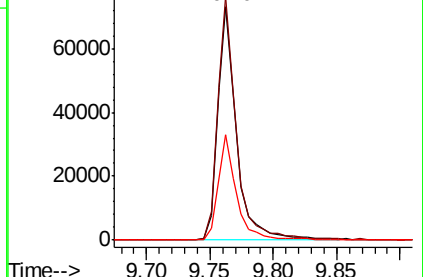
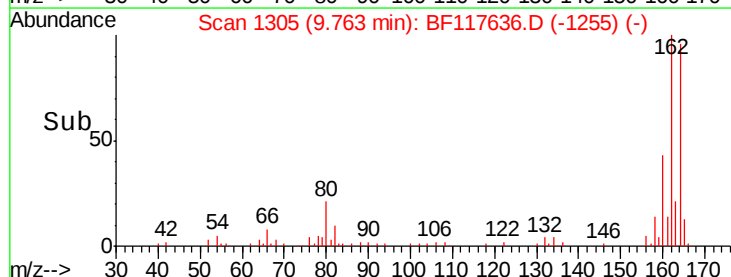
160 45.2 34.4 51.6

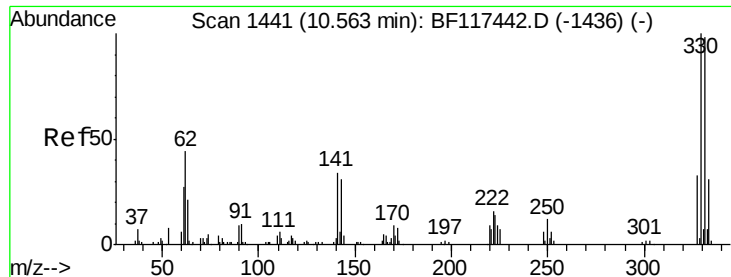


Abundance Ion 164.00 (163.70 to 164.70): BF117636.D (-1255) (-)

Ion 162.00 (161.70 to 162.70): BF117636.D (-1255) (-)

Ion 160.00 (159.70 to 160.70): BF117636.D (-1255) (-)

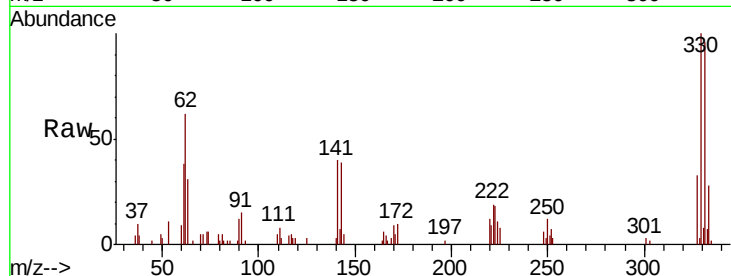




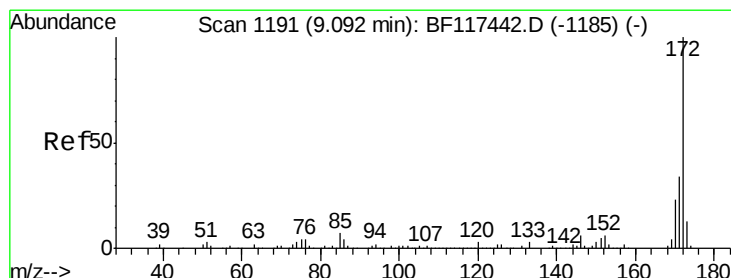
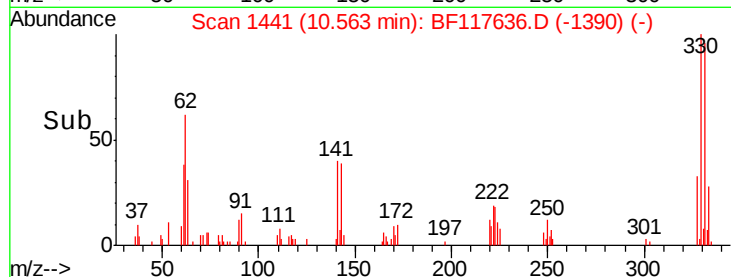
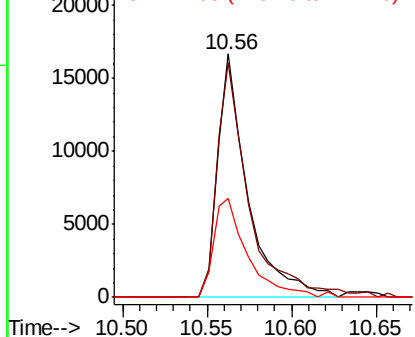
#42
 2,4,6-Tribromophenol
 Concen: 31.513 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: BF117636.D
 Acq: 30 Oct 2019 20:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.3	78.5	117.7
141	45.8	37.0	55.6

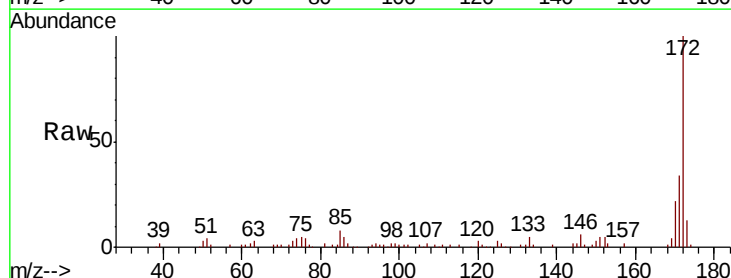


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

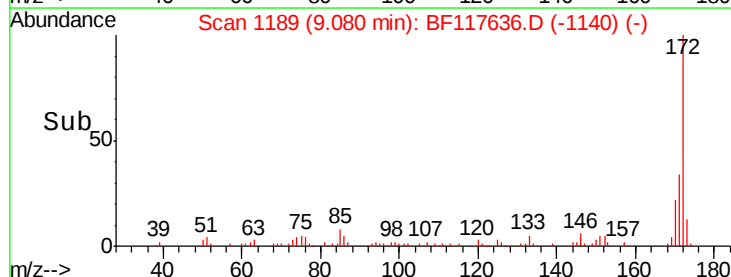
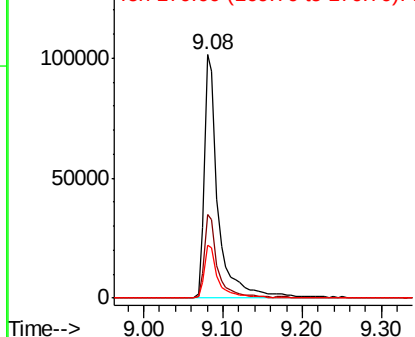


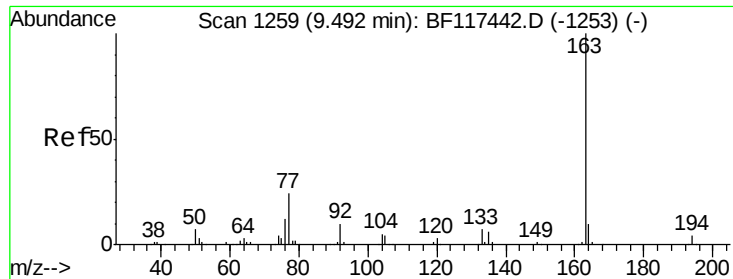
#45
 2-Fluorobiphenyl
 Concen: 23.231 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117636.D
 Acq: 30 Oct 2019 20:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.5	41.3
170	21.8	18.6	27.8



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

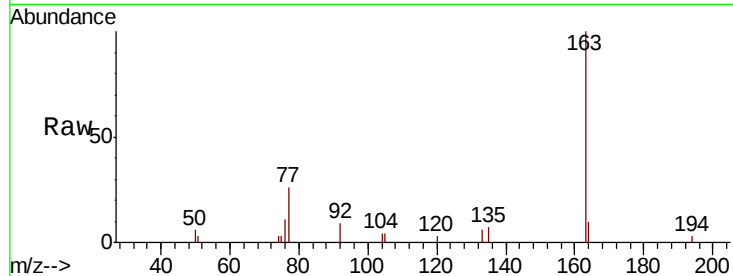




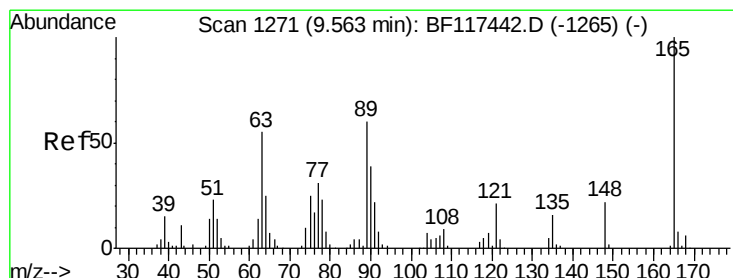
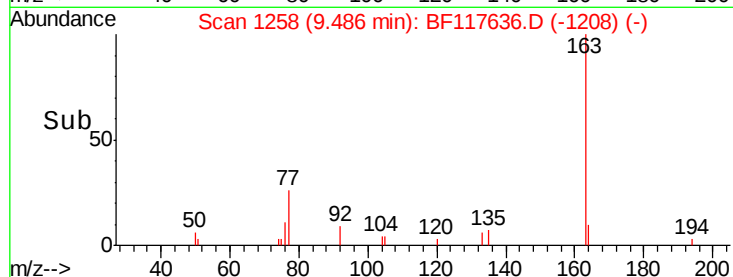
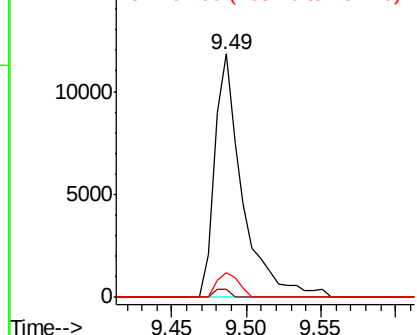
#50
Dimethylphthalate
Concen: 2.807 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF117636.D
Acq: 30 Oct 2019 20:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.9	4.3
164	9.9	8.2	12.2

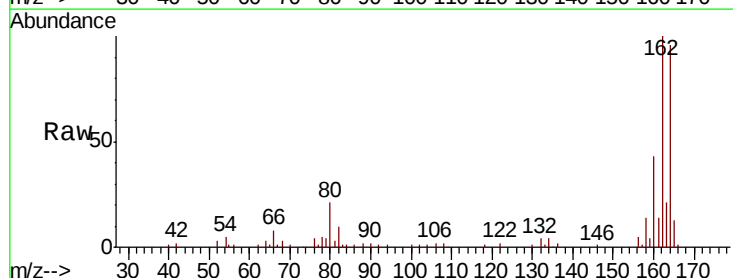


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

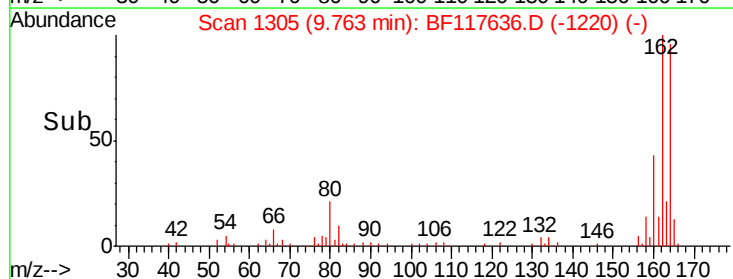
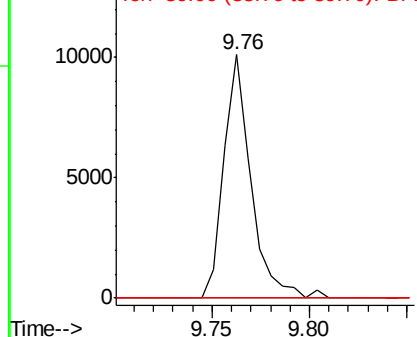


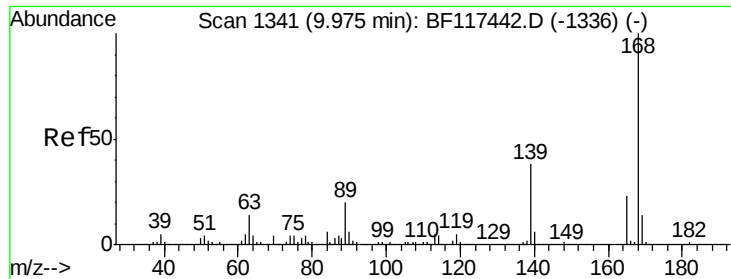
#51
2,6-Dinitrotoluene
Concen: 8.603 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.20 min
Lab File: BF117636.D
Acq: 30 Oct 2019 20:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	0.0	47.6	71.4#



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: 6.471 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.21 min

Lab File: BF117636.D

Acq: 30 Oct 2019 20:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 9774

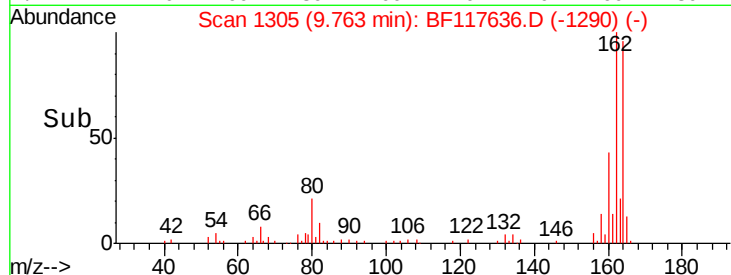
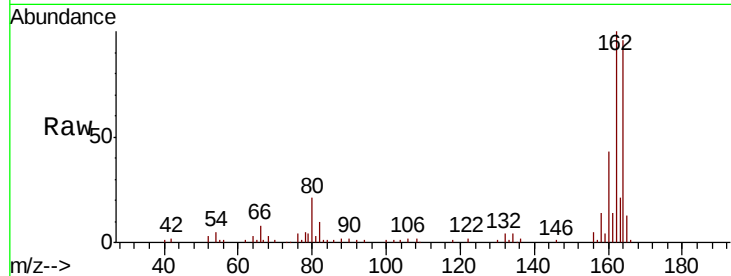
Ion Ratio Lower Upper

165 100

63 0.0 51.4 77.0#

89 0.0 69.9 104.9#

182 0.0 1.9 2.9#

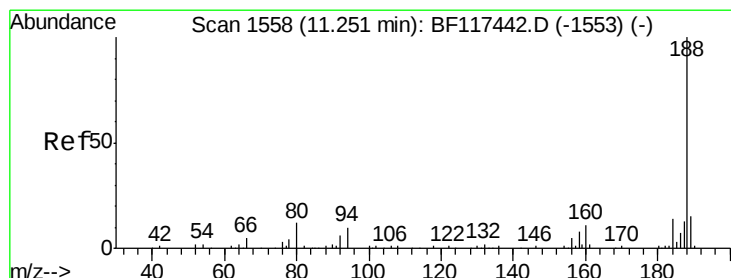
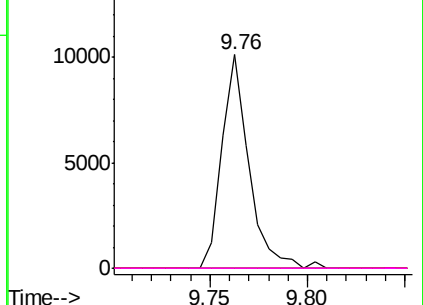


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF117636.D

Acq: 30 Oct 2019 20:26

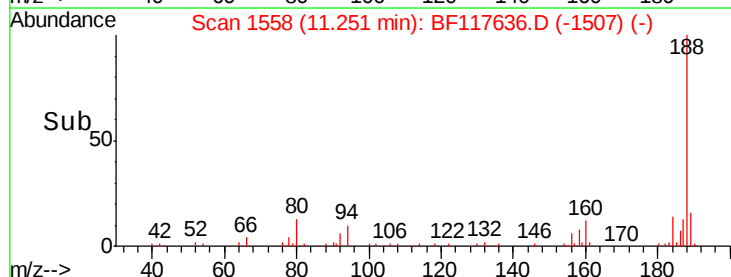
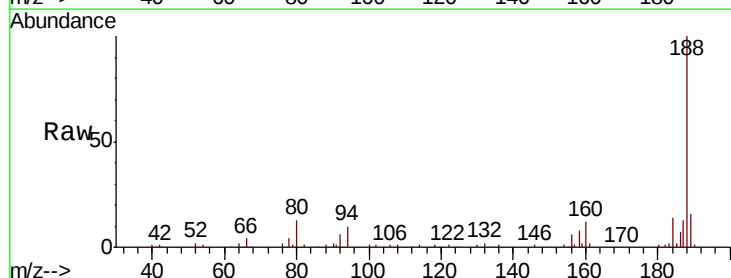
Tgt Ion:188 Resp: 112136

Ion Ratio Lower Upper

188 100

94 10.0 8.0 12.0

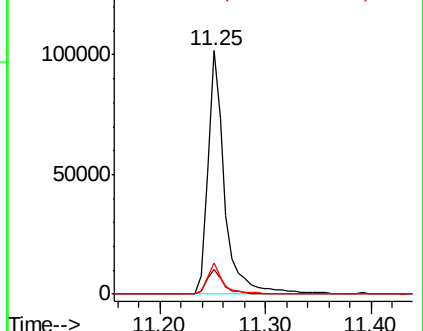
80 12.7 9.5 14.3

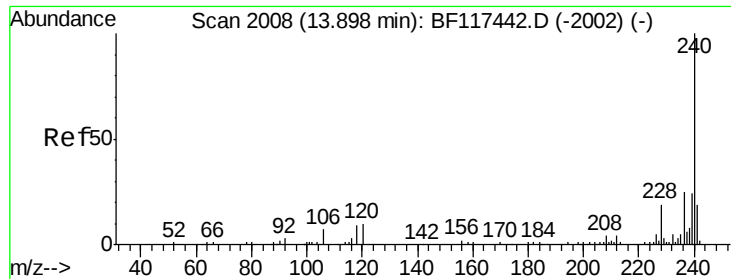


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

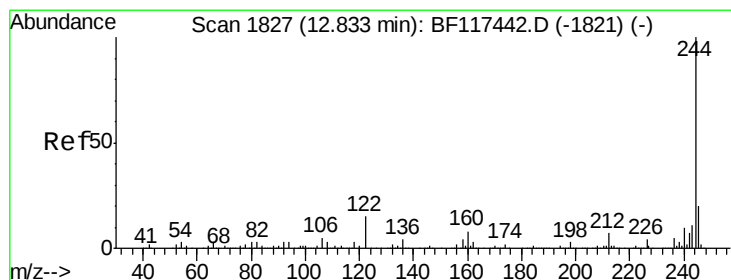
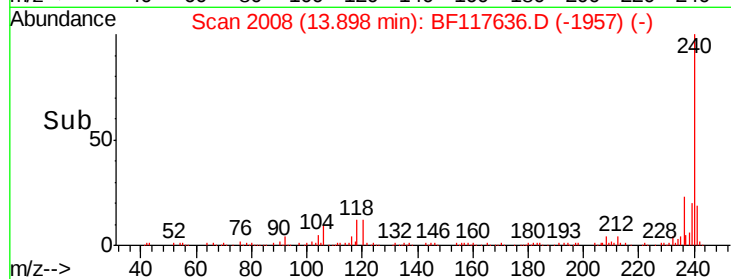
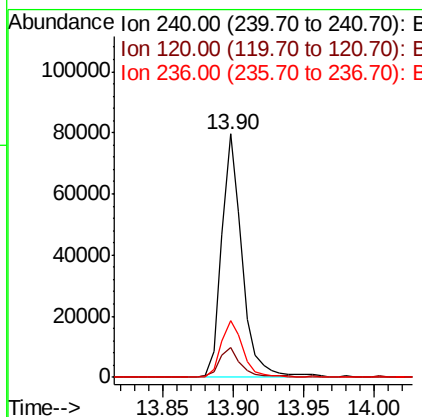
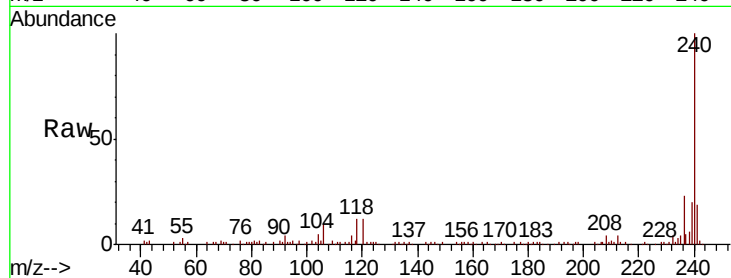




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF117636.D
Acq: 30 Oct 2019 20:26

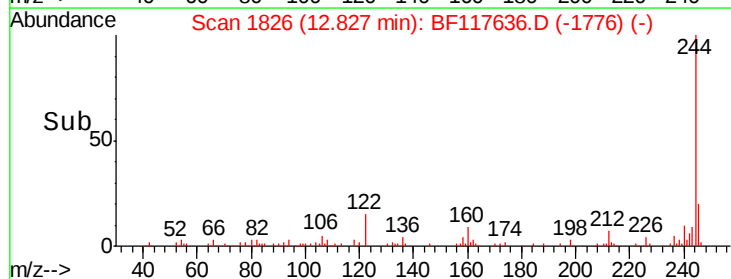
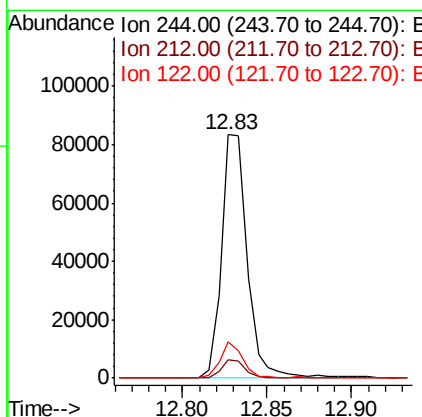
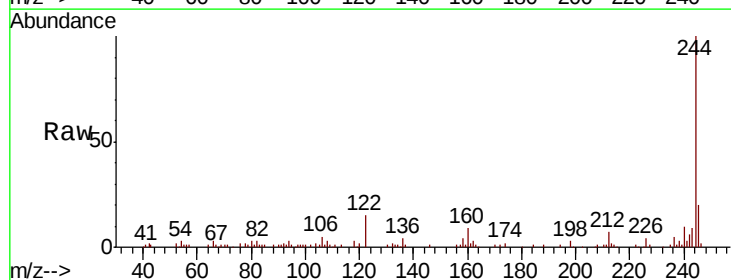
Instrument :
BNA_F
ClientSampleId :

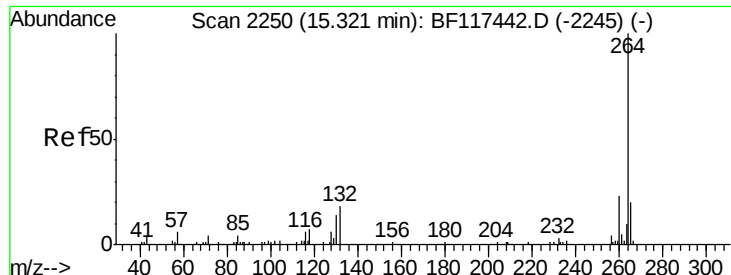
Tot Ion:240 Resp: 80401
Ion Ratio Lower Upper
240 100
120 12.2 8.4 12.6
236 23.3 20.0 30.0



#79
Terphenyl-d14
Concen: 17.869 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117636.D
Acq: 30 Oct 2019 20:26

Tgt Ion:244 Resp: 88079
Ion Ratio Lower Upper
244 100
212 7.4 5.8 8.6
122 15.0 11.8 17.8

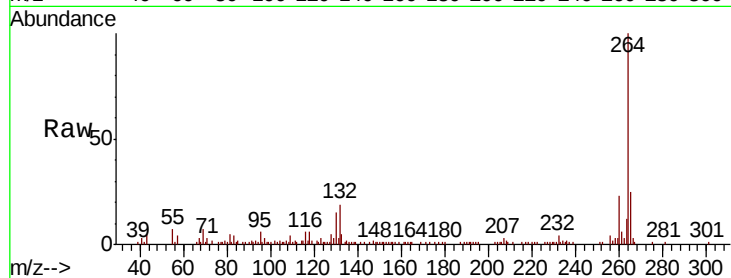




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.02 min
Lab File: BF117636.D
Acq: 30 Oct 2019 20:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.4	27.6
265	24.5	16.1	24.1



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

