

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102319\
 Data File : BF117490.D
 Acq On : 23 Oct 2019 18:31
 Operator : JU
 Sample : K5485-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 24 08:23:58 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

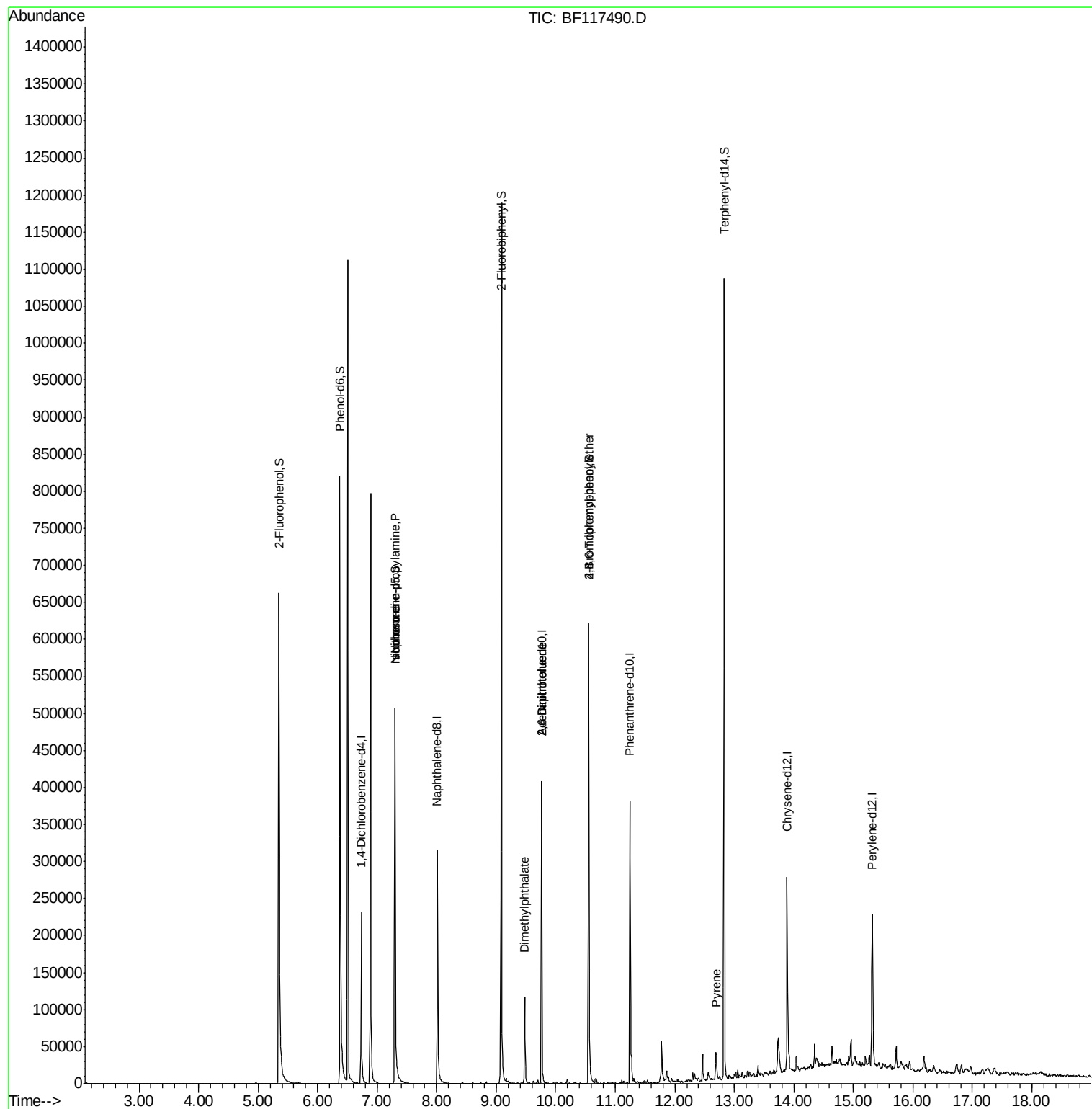
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	41289	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	166170	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	86402	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	144178	20.00	ng	0.00
76) Chrysene-d12	13.89	240	90408	20.00	ng	-0.01
87) Perylene-d12	15.32	264	89608	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	245555	88.48	ng	0.00
7) Phenol-d6	6.38	99	345201	92.61	ng	0.00
23) Nitrobenzene-d5	7.30	82	211173	62.74	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	69206	92.57	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	358551	58.47	ng	0.00
79) Terphenyl-d14	12.83	244	346644	62.54	ng	0.00
Target Compounds						
9) Benzaldehyde	6.37	77	546	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.30	70	27645	12.144 ng	#	78
25) Isophorone	7.30	82	211170	36.266 ng	#	65
50) Dimethylphthalate	9.48	163	46690	7.580 ng	#	99
51) 2,6-Dinitrotoluene	9.76	165	10970	8.535 ng	#	22
57) 2,4-Dinitrotoluene	9.76	165	10970	6.419 ng	#	12
67) 4-Bromophenyl-phenylether	10.56	248	4658	2.999 ng	#	1
77) Benzidine	12.83	184	4960	Below Cal	#	90
78) Pyrene	12.69	202	18501	2.382 ng		99

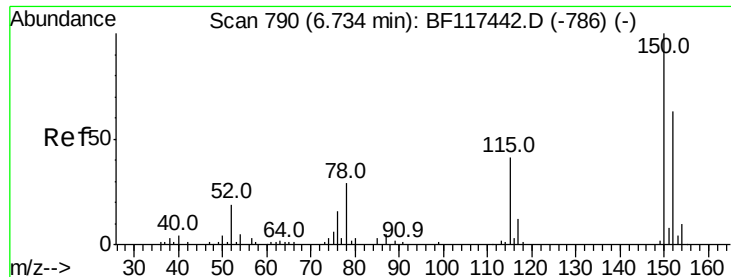
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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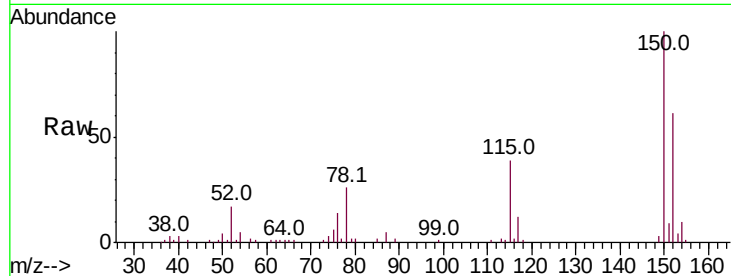


#1

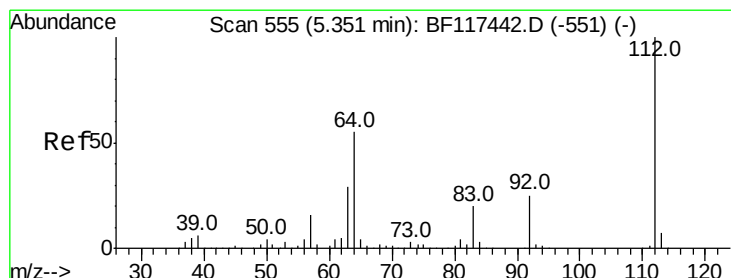
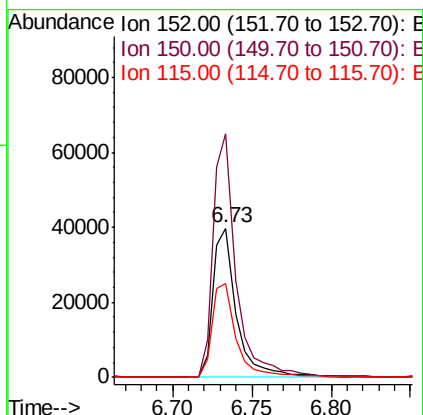
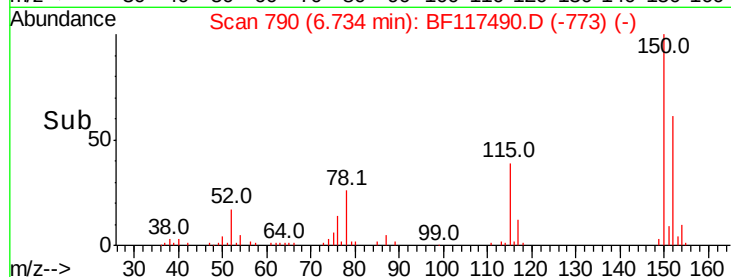
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF117490.D
Acq: 23 Oct 2019 18:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 41289
Ion Ratio Lower Upper
152 100
150 163.1 126.8 190.2
115 63.0 51.6 77.4



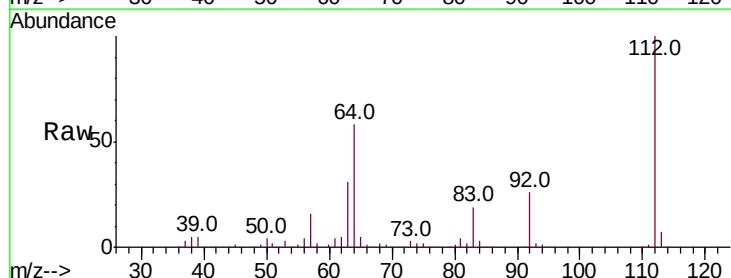
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



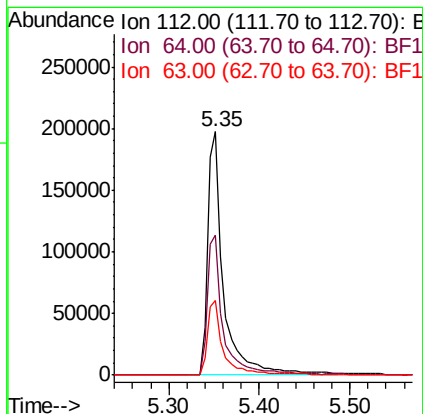
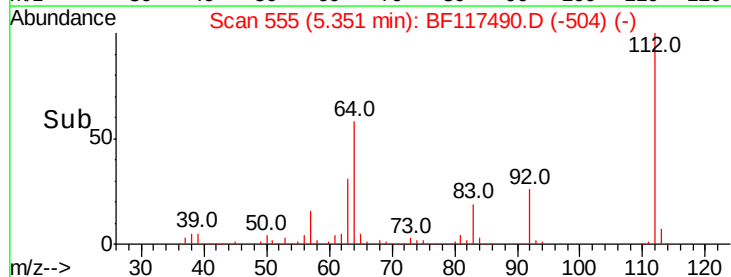
#5

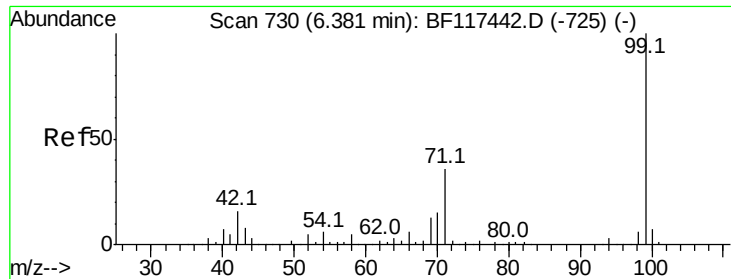
2-Fluorophenol
Concen: 88.477 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF117490.D
Acq: 23 Oct 2019 18:31

Tgt Ion:112 Resp: 245555
Ion Ratio Lower Upper
112 100
64 57.6 44.1 66.1
63 30.5 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: 92.607 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF117490.D

Acq: 23 Oct 2019 18:31

Instrument :

BNA_F

ClientSampled :

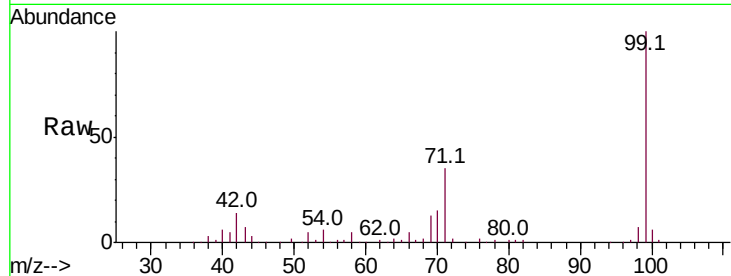
Tot Ion: 99 Resp: 345201

Ion Ratio Lower Upper

99 100

42 14.2 12.8 19.2

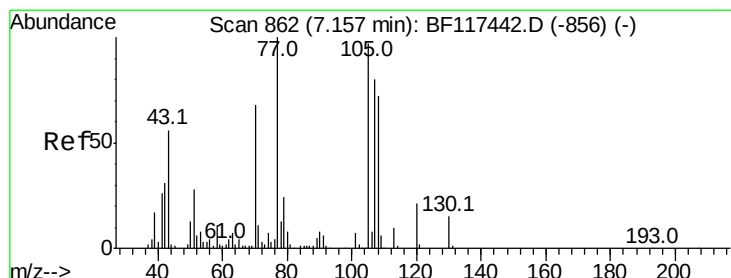
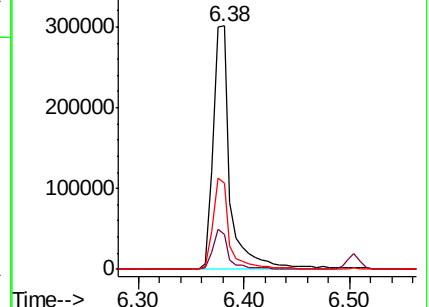
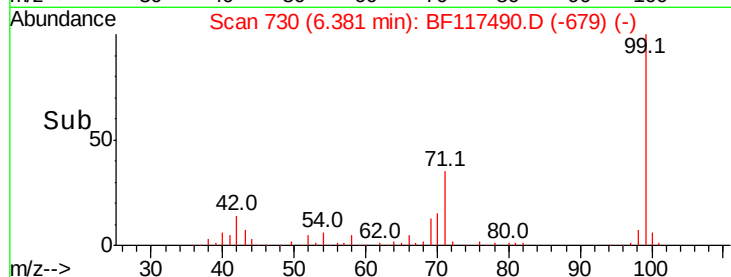
71 35.2 28.6 43.0



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: 12.144 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117490.D

Acq: 23 Oct 2019 18:31

Tgt Ion: 70 Resp: 27645

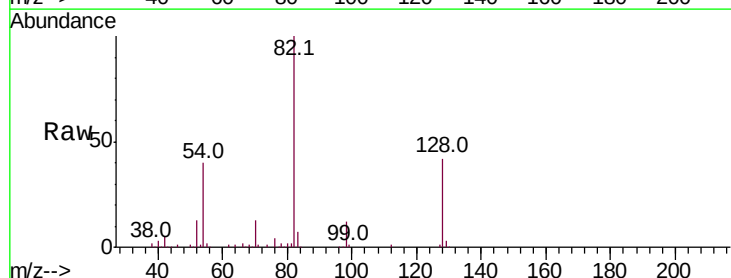
Ion Ratio Lower Upper

70 100

42 38.8 36.7 55.1

101 0.0 8.3 12.5#

130 2.4 18.1 27.1#

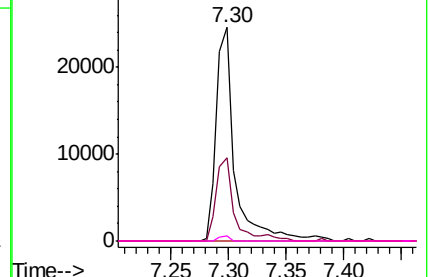
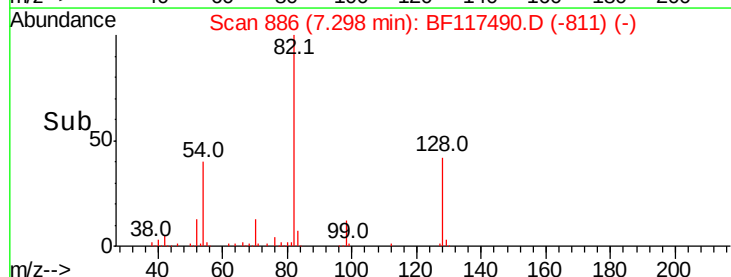


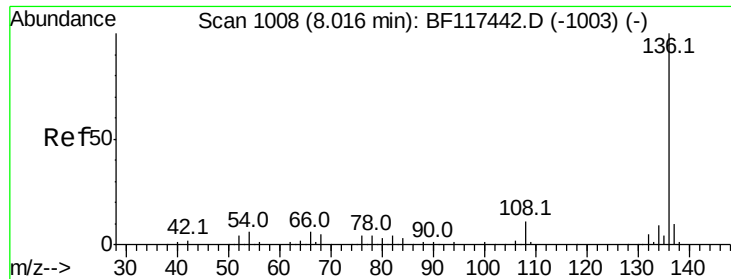
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

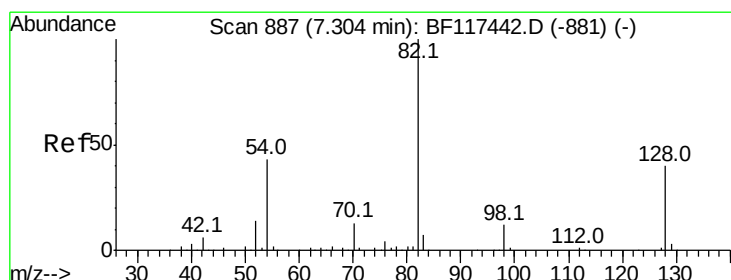
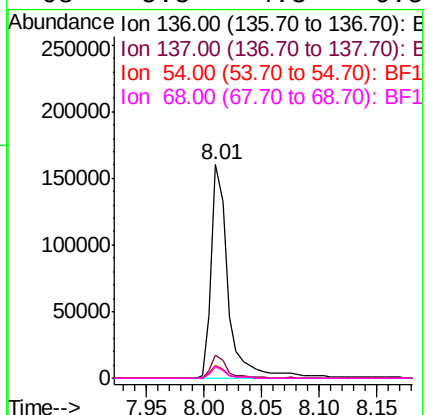
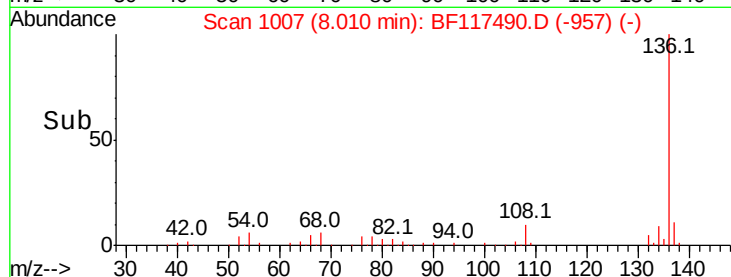
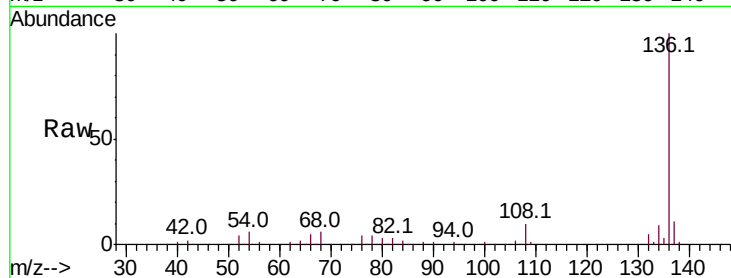




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117490.D
Acq: 23 Oct 2019 18:31

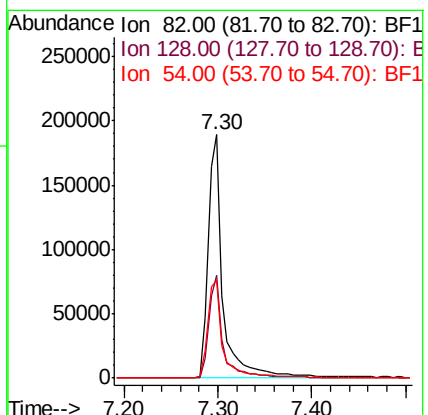
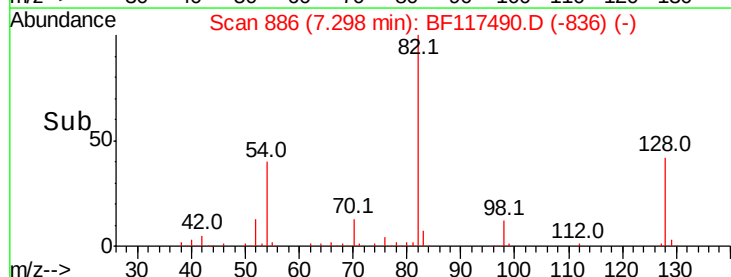
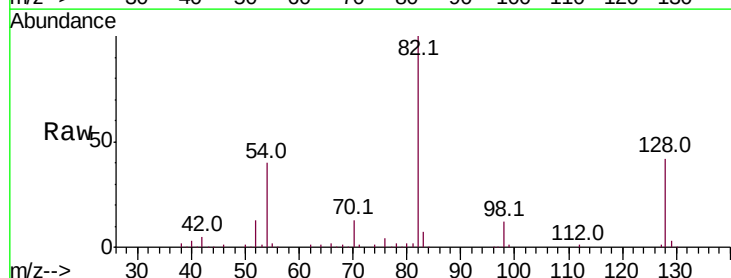
Instrument :
BNA_F
ClientSampleId :

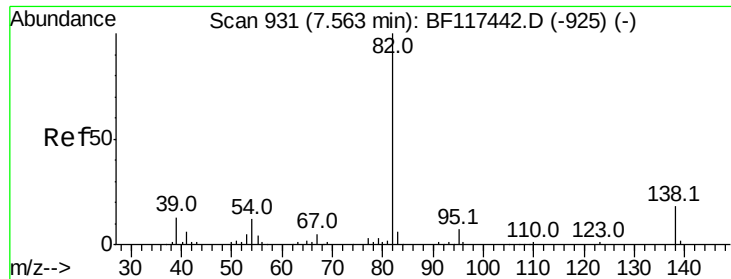
Tot Ion:	136	Resp:	166170
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.2	12.4
54	6.0	4.5	6.7
68	5.5	4.3	6.5



#23
Nitrobenzene-d5
Concen: 62.738 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117490.D
Acq: 23 Oct 2019 18:31

Tgt Ion:	82	Resp:	211173
Ion	Ratio	Lower	Upper
82	100		
128	42.3	32.2	48.2
54	40.3	34.2	51.2





#25

Isophorone

Concen: 36.266 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117490.D

Acq: 23 Oct 2019 18:31

Instrument :

BNA_F

ClientSampled :

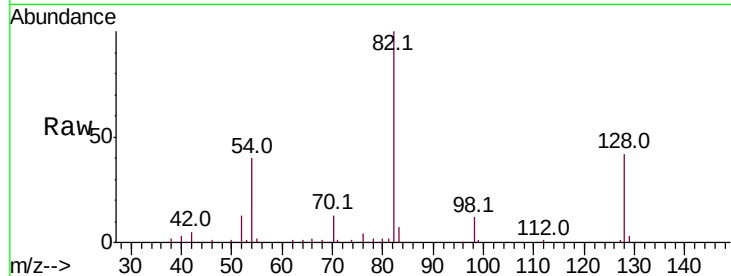
Tot Ion: 82 Resp: 211170

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

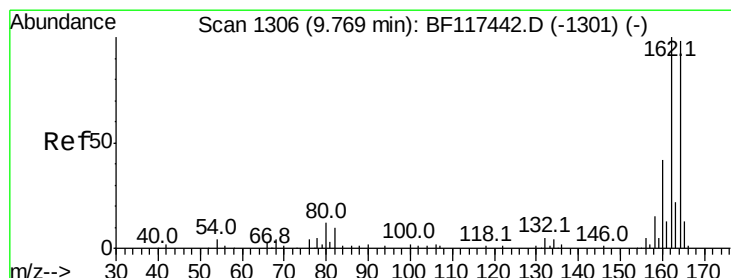
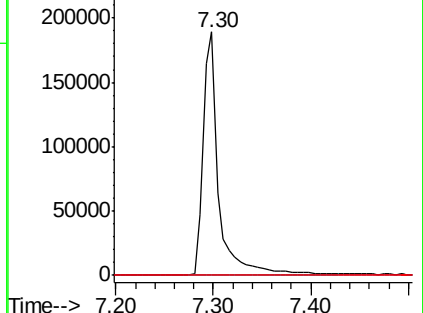
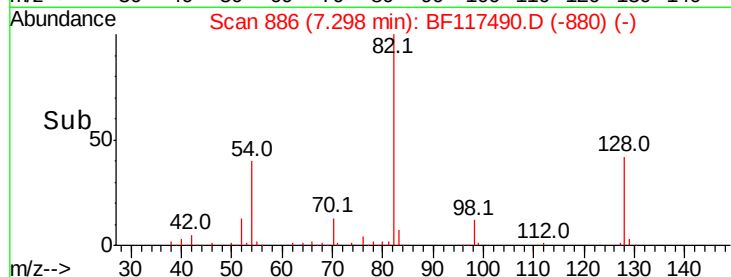
138 0.0 14.2 21.2#



Abundance Ion 82.00 (81.70 to 82.70): 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: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117490.D

Acq: 23 Oct 2019 18:31

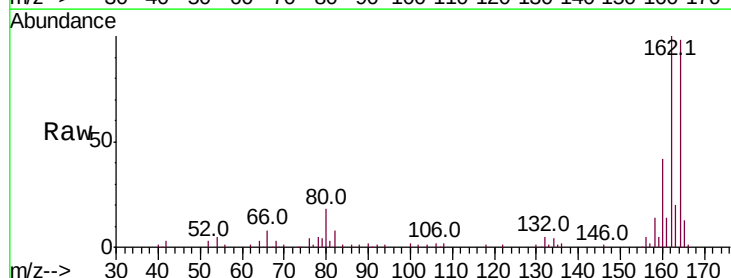
Tgt Ion: 164 Resp: 86402

Ion Ratio Lower Upper

164 100

162 102.1 81.8 122.6

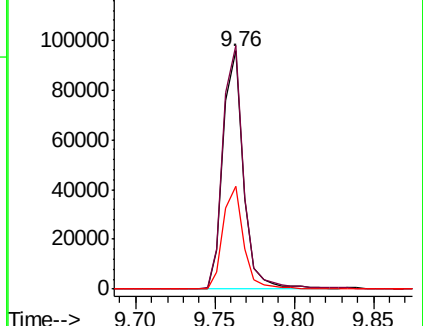
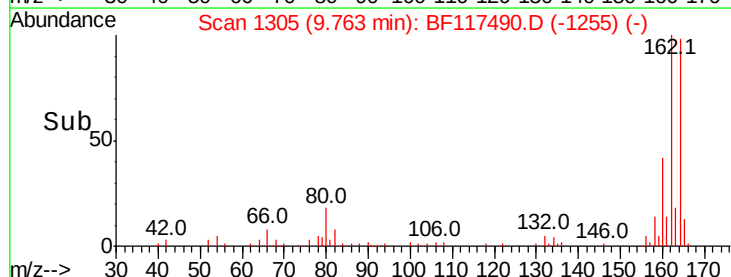
160 43.2 34.4 51.6

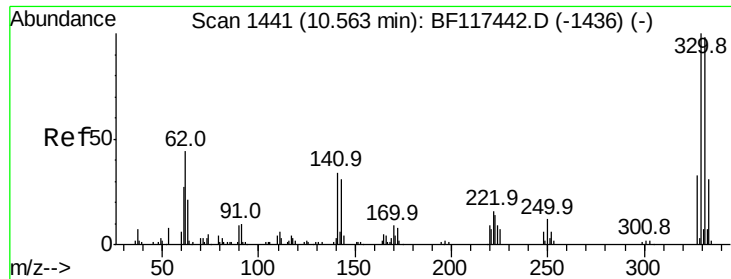


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 92.571 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF117490.D

Acq: 23 Oct 2019 18:31

Instrument :

BNA_F

ClientSampleId :

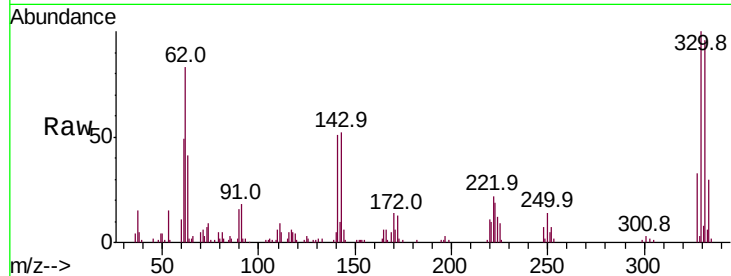
Tot Ion:330 Resp: 69206

Ion Ratio Lower Upper

330 100

332 96.8 78.5 117.7

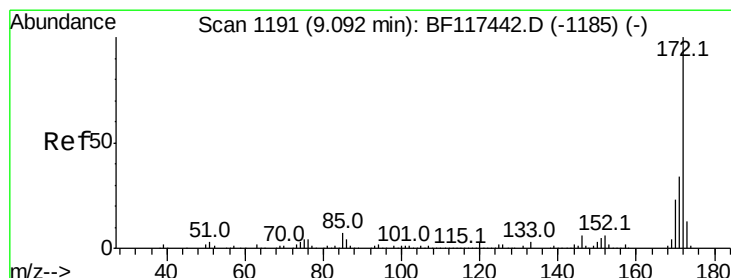
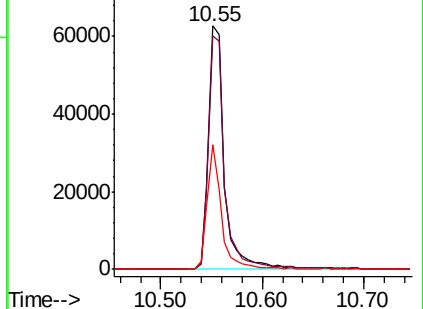
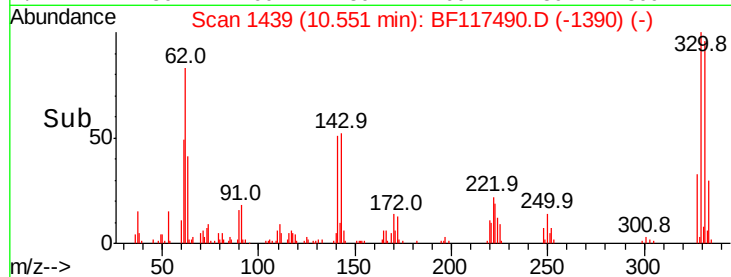
141 45.1 37.0 55.6



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: 58.470 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF117490.D

Acq: 23 Oct 2019 18:31

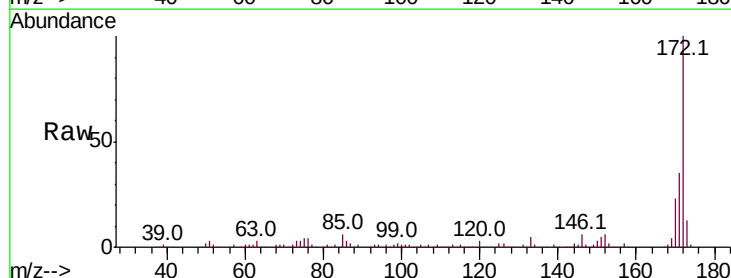
Tgt Ion:172 Resp: 358551

Ion Ratio Lower Upper

172 100

171 34.6 27.5 41.3

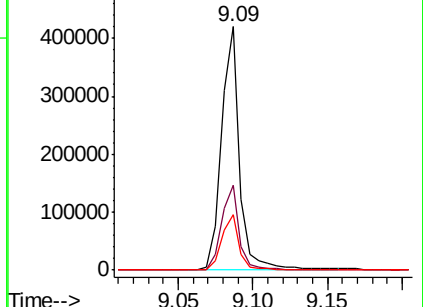
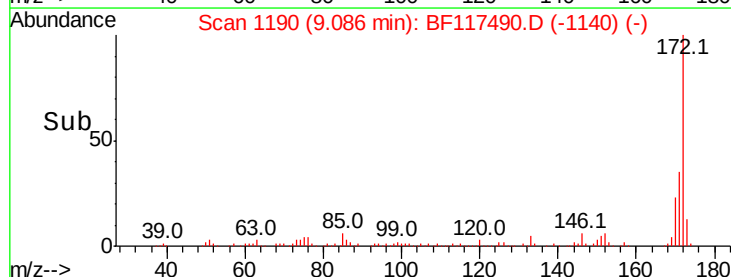
170 22.6 18.6 27.8

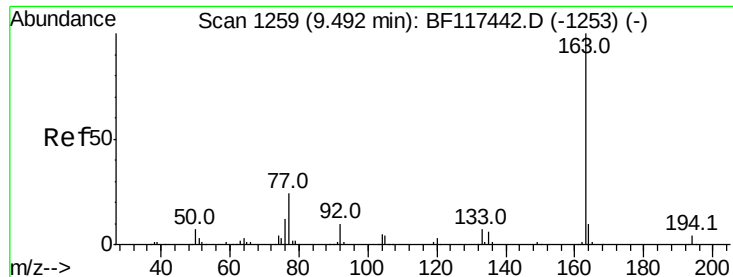


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.580 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117490.D

Acq: 23 Oct 2019 18:31

Instrument :

BNA_F

ClientSampleId :

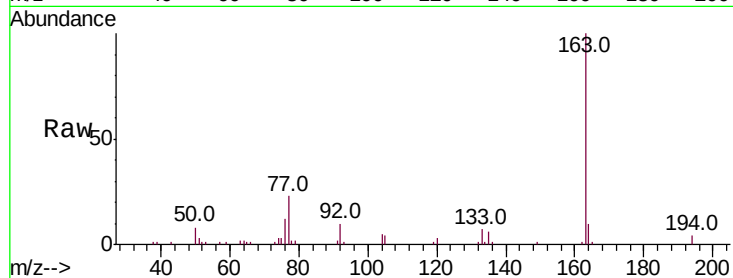
Tot Ion:163 Resp: 46690

Ion Ratio Lower Upper

163 100

194 4.3 2.9 4.3#

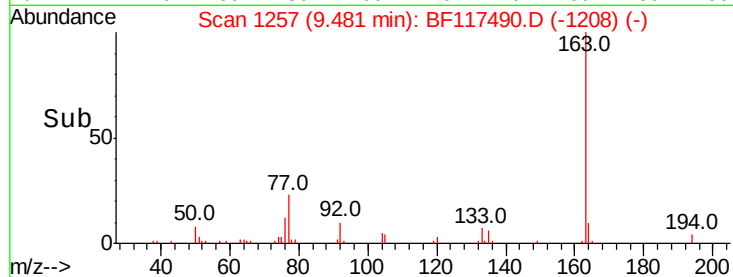
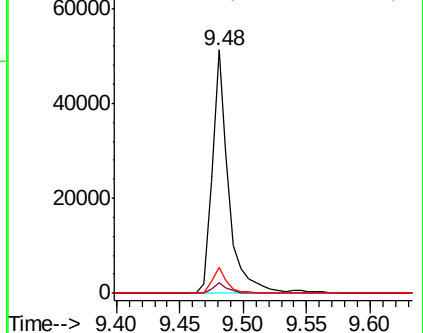
164 10.5 8.2 12.2



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: 8.535 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF117490.D

Acq: 23 Oct 2019 18:31

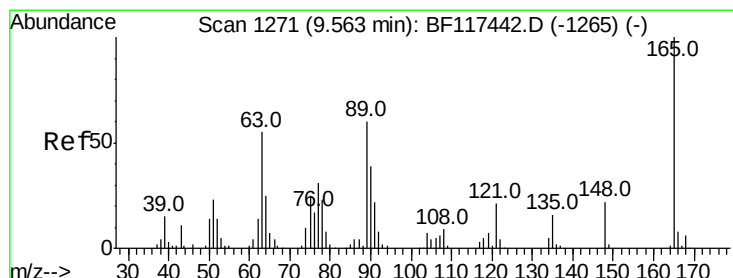
Tgt Ion:165 Resp: 10970

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

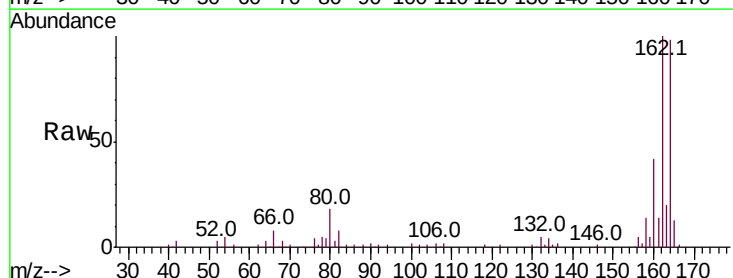
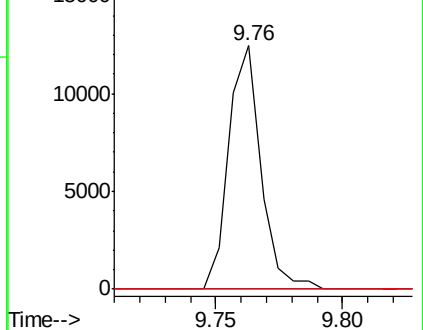
89 0.0 47.6 71.4#

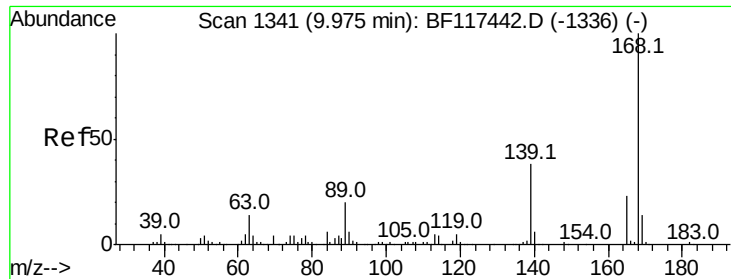


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

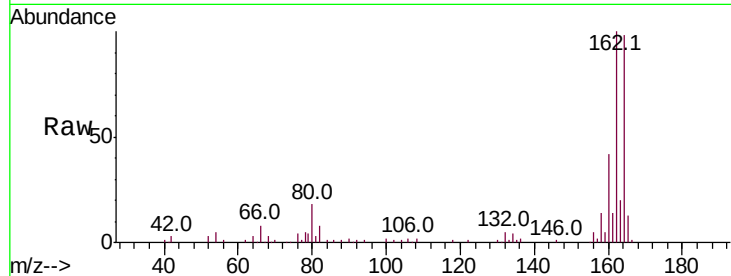




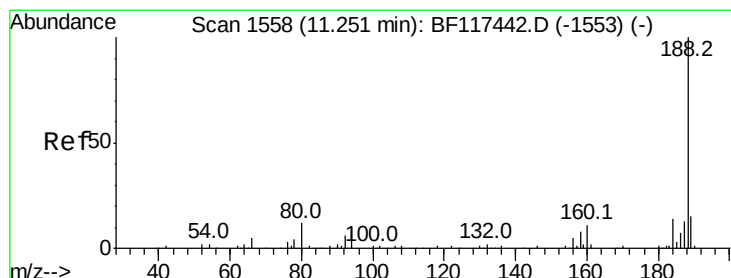
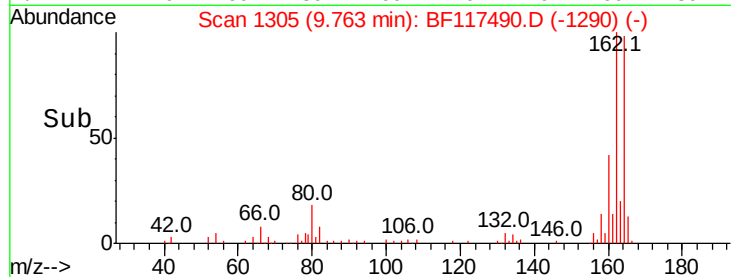
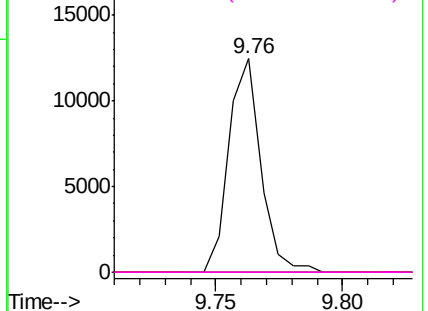
#57
 2,4-Dinitrotoluene
 Concen: 6.419 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117490.D
 Acq: 23 Oct 2019 18:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	10970
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#

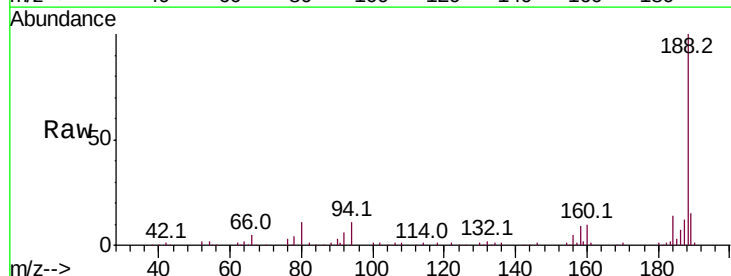


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

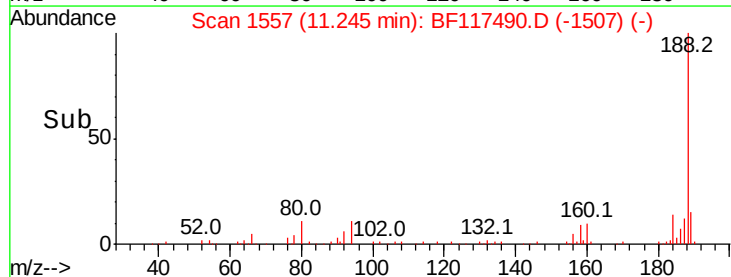
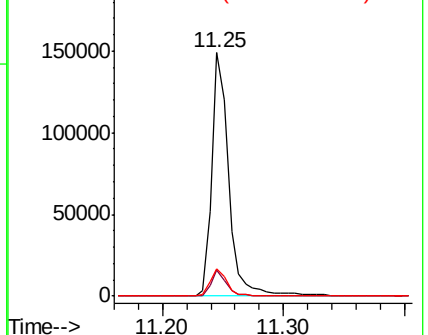


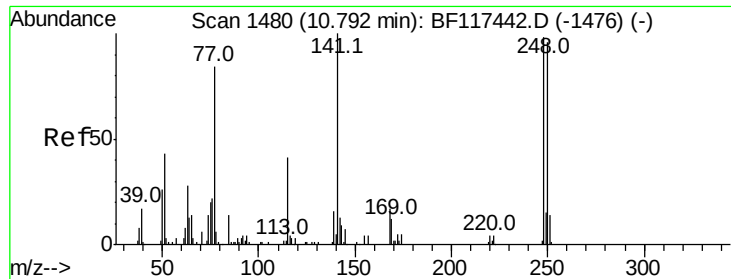
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117490.D
 Acq: 23 Oct 2019 18:31

Tgt Ion:	188	Resp:	144178
Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.0	12.0
80	11.4	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





#67

4-Bromophenyl-phenylether

Concen: 2.999 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117490.D

Acq: 23 Oct 2019 18:31

Instrument :

BNA_F

ClientSampleId :

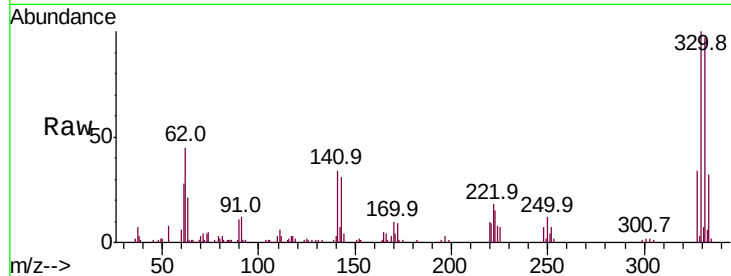
Tot Ion:248 Resp: 4658

Ion Ratio Lower Upper

248 100

250 161.3 78.0 117.0#

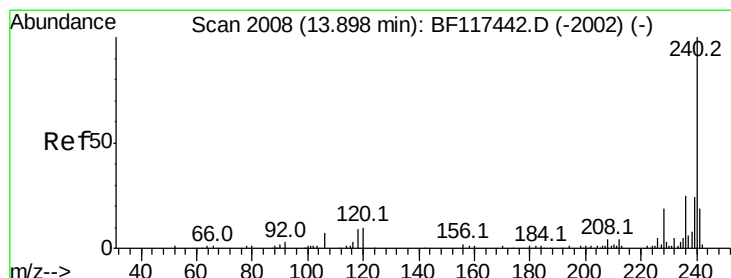
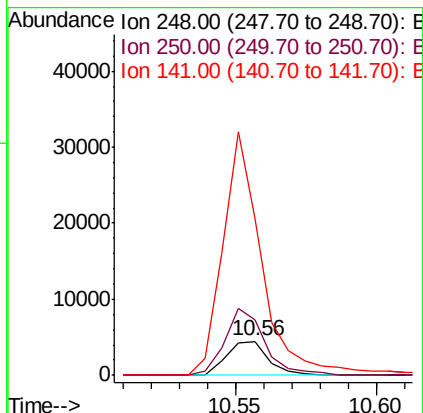
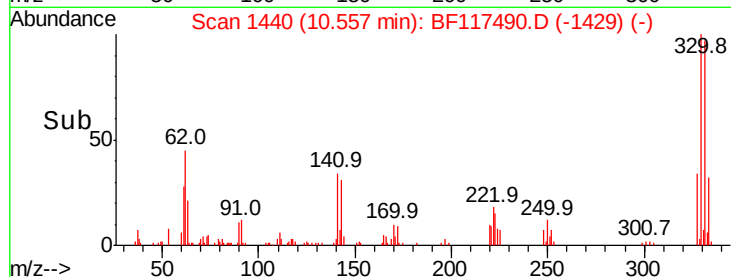
141 460.4 81.7 122.5#



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: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF117490.D

Acq: 23 Oct 2019 18:31

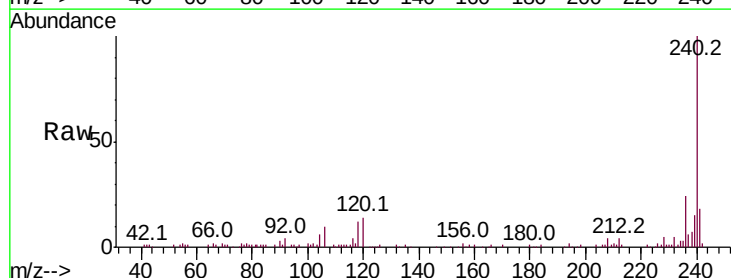
Tgt Ion:240 Resp: 90408

Ion Ratio Lower Upper

240 100

120 14.1 8.4 12.6#

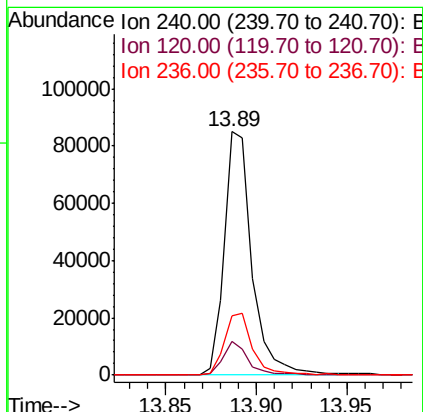
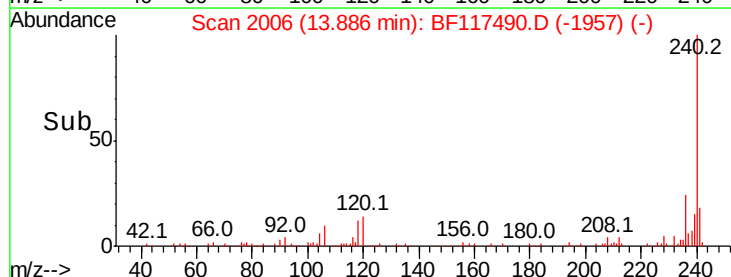
236 24.4 20.0 30.0

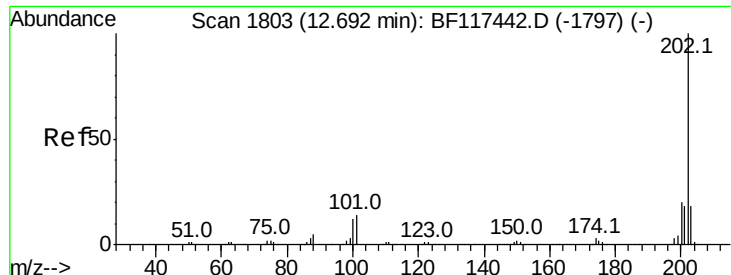


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

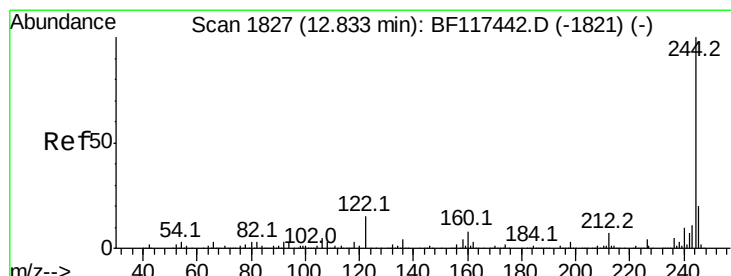
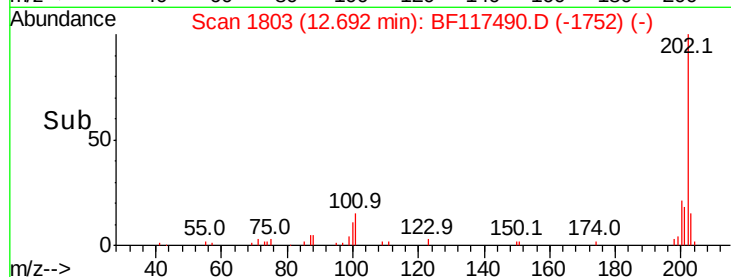
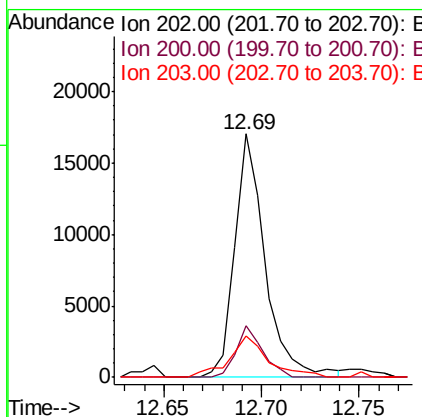
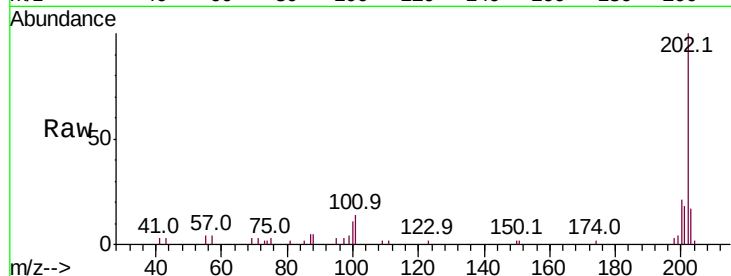




#78
Pvrene
Concen: 2.382 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.00 min
Lab File: BF117490.D
Acq: 23 Oct 2019 18:31

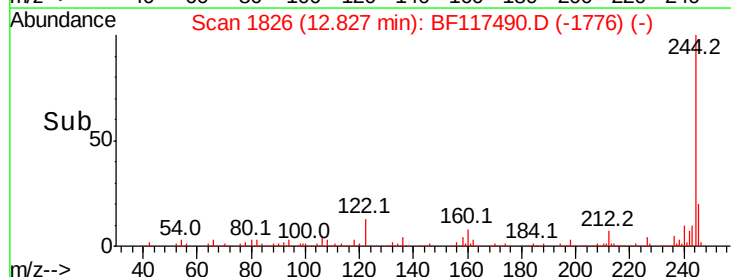
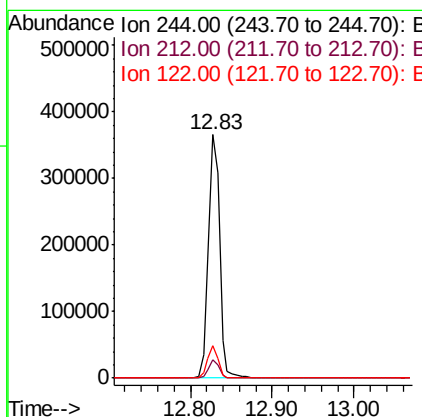
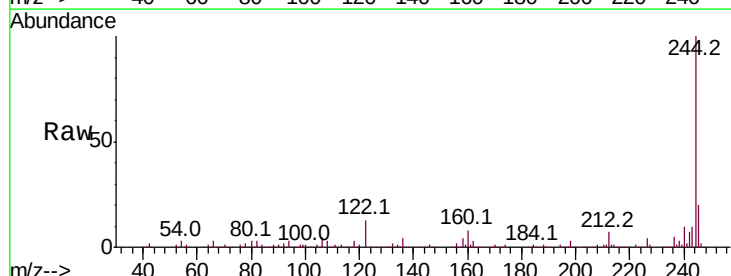
Instrument :
BNA_F
ClientSampleId :

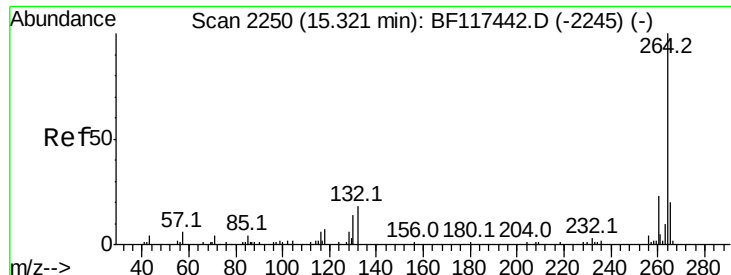
Tot Ion:202 Resp: 18501
Ion Ratio Lower Upper
202 100
200 21.0 16.2 24.2
203 17.0 14.0 21.0



#79
Terphenyl-d14
Concen: 62.541 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117490.D
Acq: 23 Oct 2019 18:31

Tgt Ion:244 Resp: 346644
Ion Ratio Lower Upper
244 100
212 7.4 5.8 8.6
122 13.2 11.8 17.8

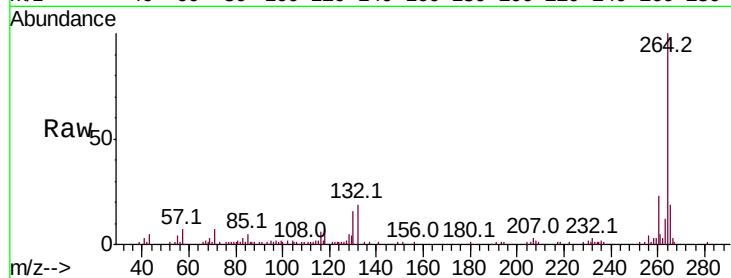




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2249
 Delta R.T. -0.01 min
 Lab File: BF117490.D
 Acq: 23 Oct 2019 18:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 89608
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.4 27.6
 265 19.3 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

