

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102319\
 Data File : BF117491.D
 Acq On : 23 Oct 2019 18:58
 Operator : JU
 Sample : K5485-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 24 08:24:04 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	40652	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	162823	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	85409	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	143019	20.00	ng	0.00
76) Chrysene-d12	13.89	240	91705	20.00	ng	0.00
87) Perylene-d12	15.32	264	90597	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	245489	89.84	ng	0.00
7) Phenol-d6	6.38	99	337887	92.06	ng	0.00
23) Nitrobenzene-d5	7.30	82	208950	63.35	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	69355	93.85	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	365445	60.29	ng	0.00
79) Terphenyl-d14	12.83	244	368309	65.51	ng	0.00

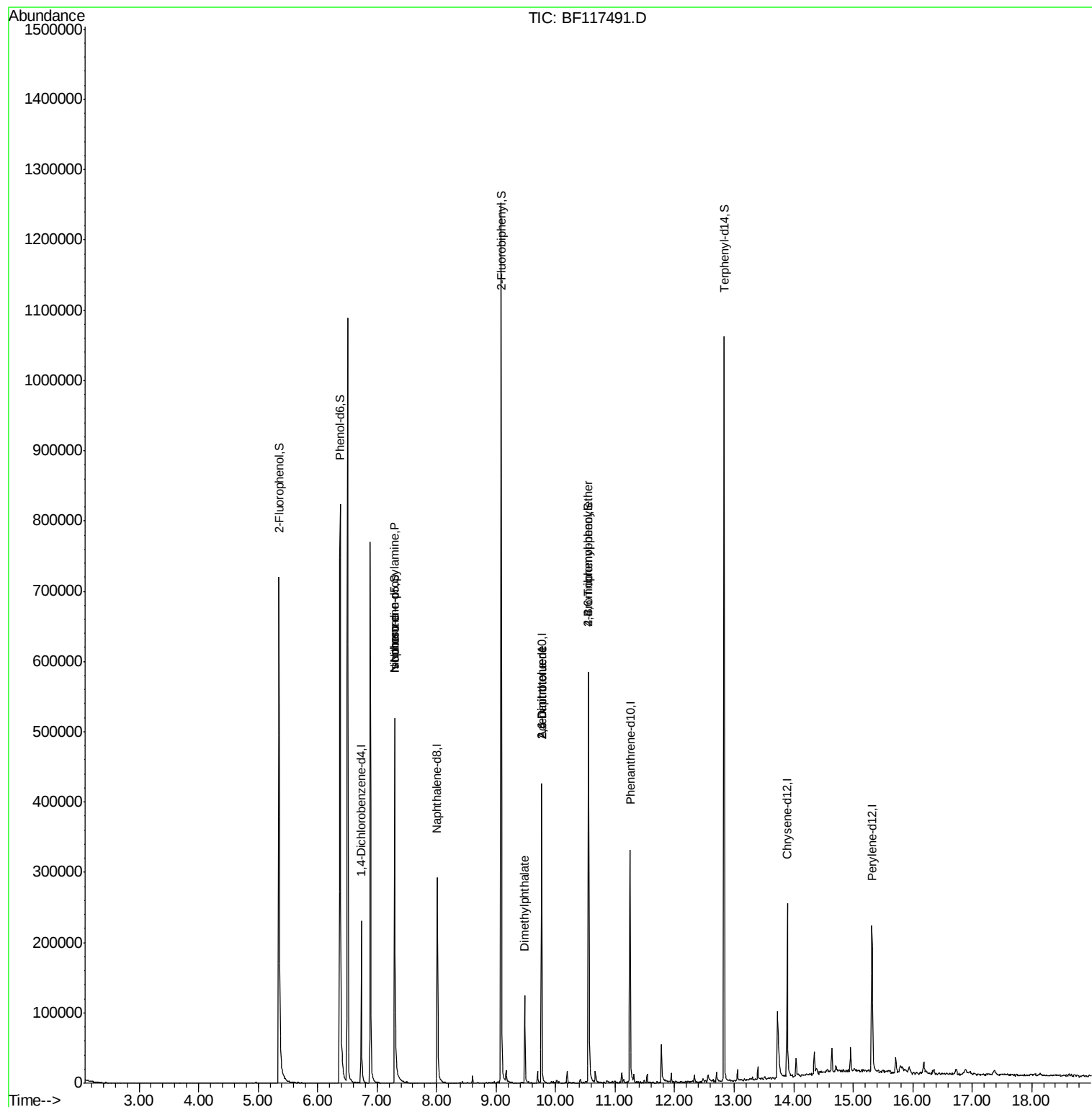
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.37	77	333	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.30	70	27682	12.350	ng	# 78
25) Isophorone	7.30	82	208949	36.622	ng	# 65
50) Dimethylphthalate	9.48	163	49856	8.188	ng	# 99
51) 2,6-Dinitrotoluene	9.76	165	10581	8.328	ng	# 22
57) 2,4-Dinitrotoluene	9.76	165	10581	6.264	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	3863	2.508	ng	# 1
77) Benzidine	12.83	184	5168	Below Cal	#	93

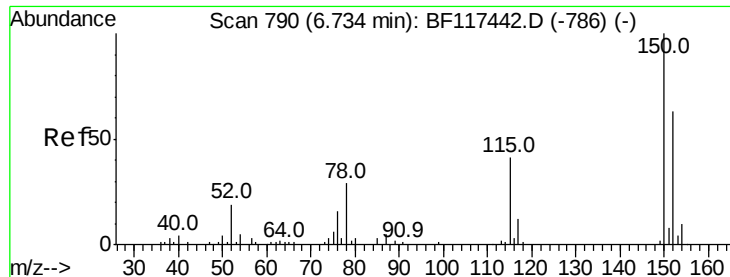
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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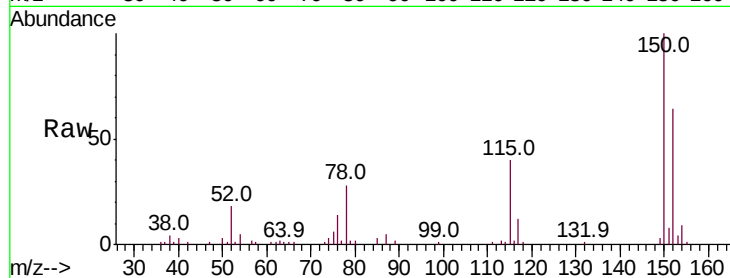


#1

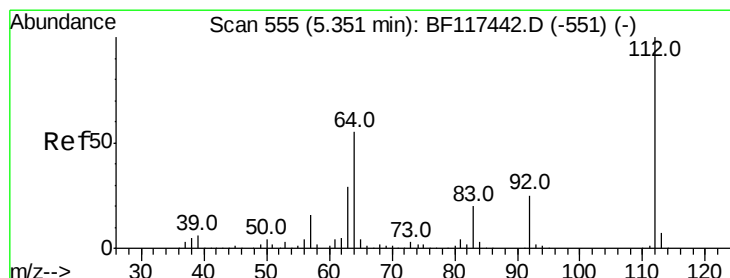
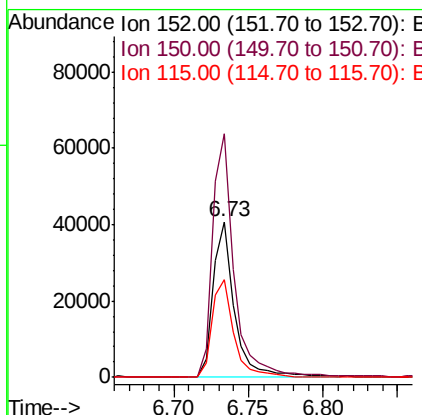
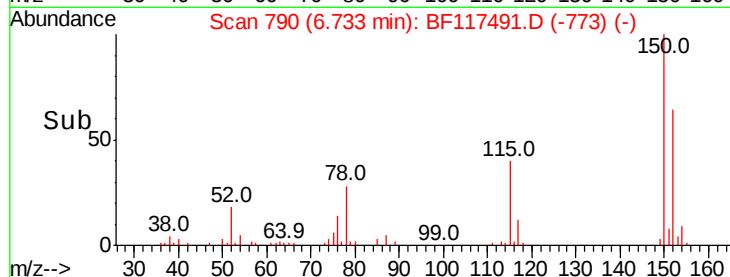
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117491.D
Acq: 23 Oct 2019 18:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 40652
Ion Ratio Lower Upper
152 100
150 156.6 126.8 190.2
115 62.5 51.6 77.4



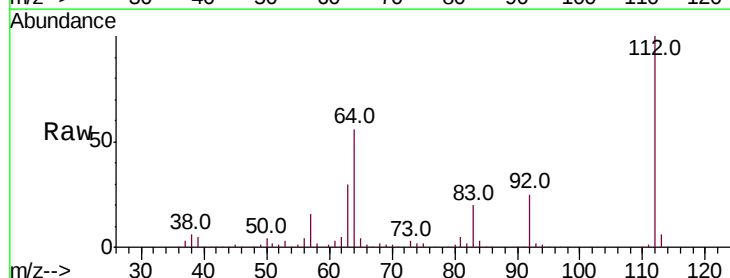
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



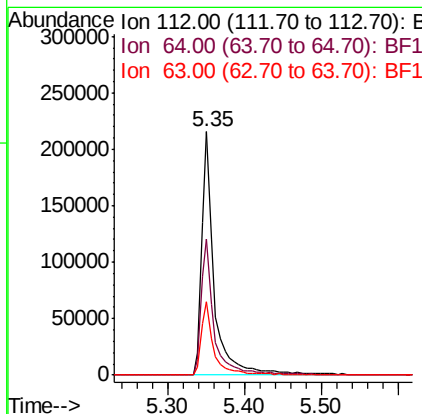
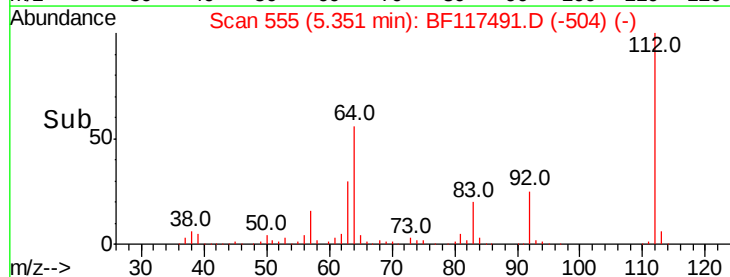
#5

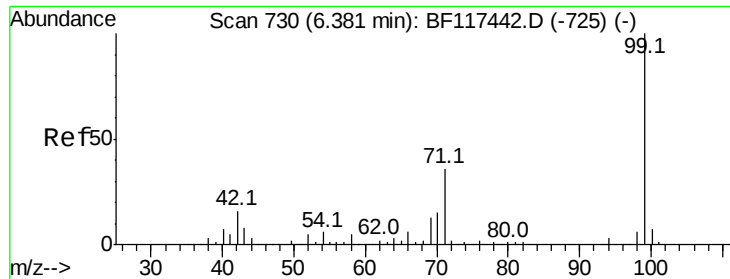
2-Fluorophenol
Concen: 89.839 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117491.D
Acq: 23 Oct 2019 18:58

Tgt Ion:112 Resp: 245489
Ion Ratio Lower Upper
112 100
64 56.1 44.1 66.1
63 30.3 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: 92.065 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117491.D

Acq: 23 Oct 2019 18:58

Instrument :

BNA_F

ClientSampleId :

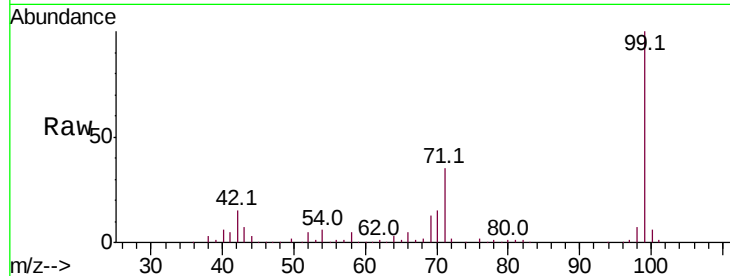
Tot Ion: 99 Resp: 337887

Ion Ratio Lower Upper

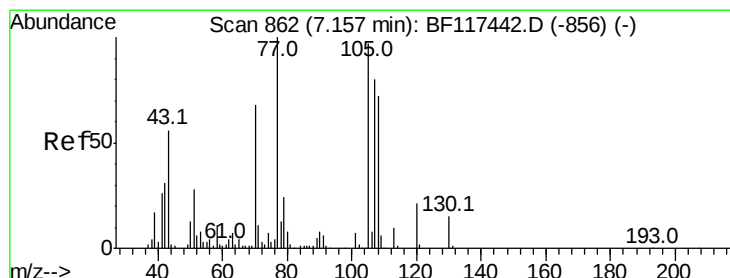
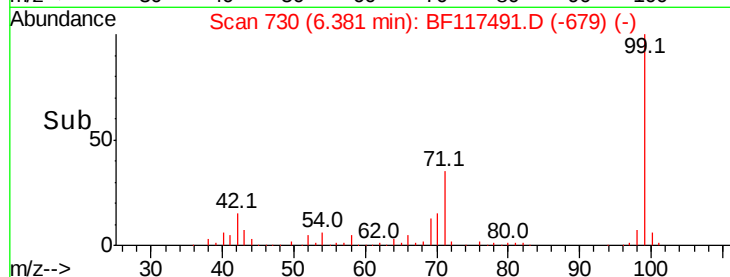
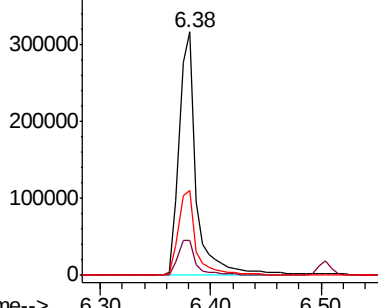
99 100

42 14.6 12.8 19.2

71 34.9 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: 12.350 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117491.D

Acq: 23 Oct 2019 18:58

Tgt Ion: 70 Resp: 27682

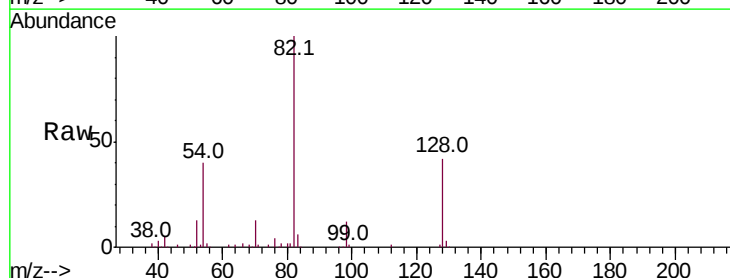
Ion Ratio Lower Upper

70 100

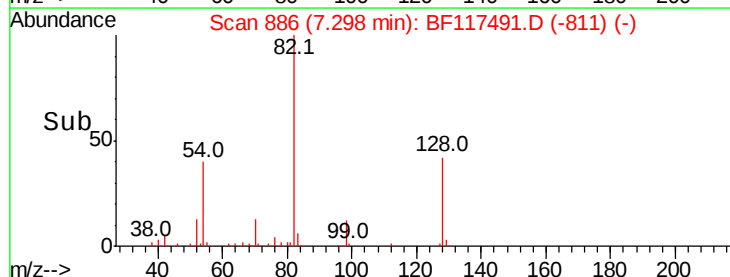
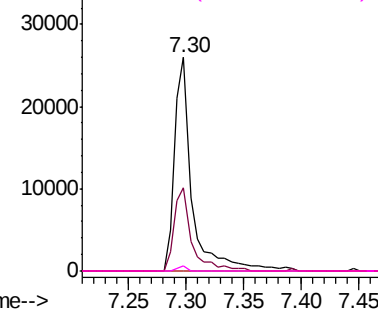
42 39.1 36.7 55.1

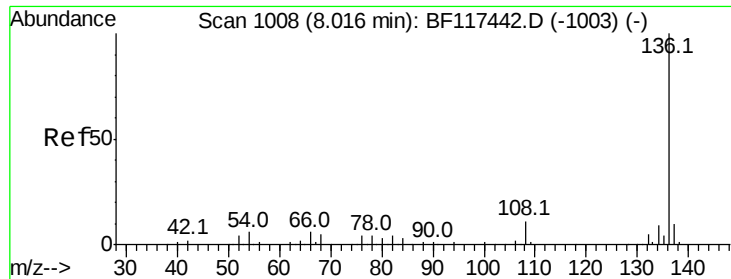
101 0.0 8.3 12.5#

130 2.3 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

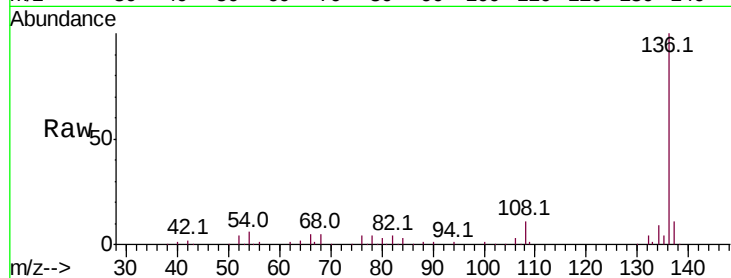




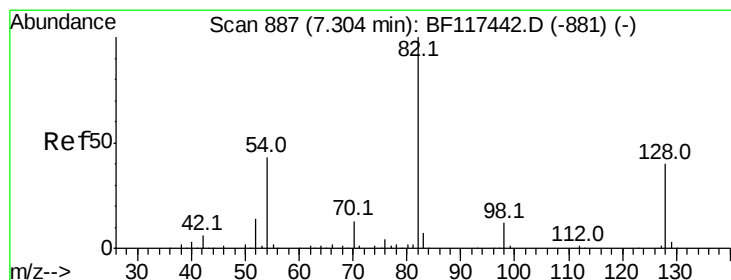
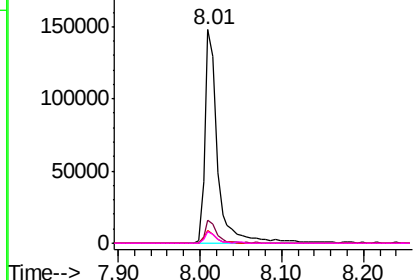
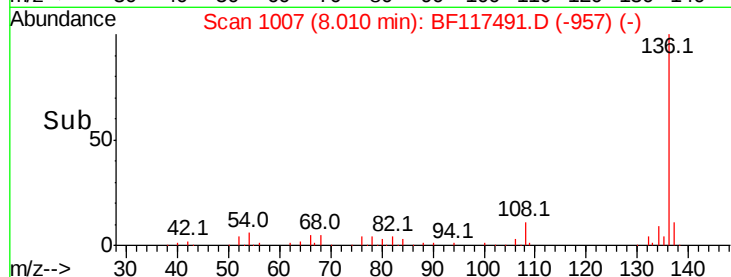
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117491.D
Acq: 23 Oct 2019 18:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 162823
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.4
54 6.0 4.5 6.7
68 5.4 4.3 6.5

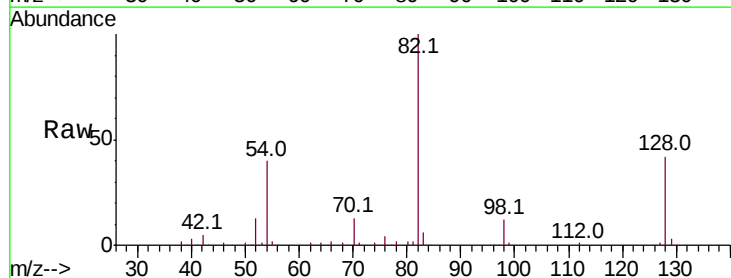


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

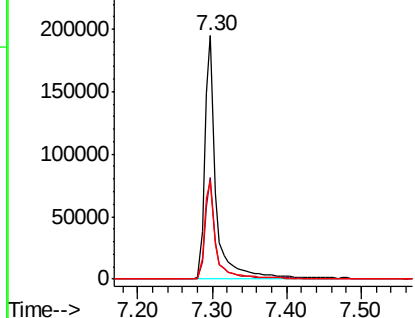
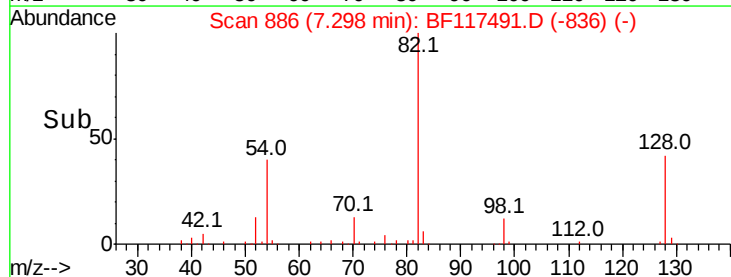


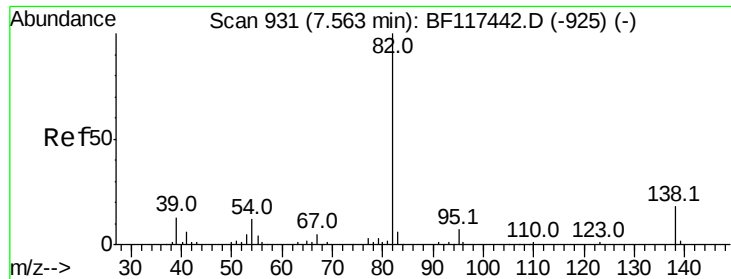
#23
Nitrobenzene-d5
Concen: 63.354 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117491.D
Acq: 23 Oct 2019 18:58

Tgt Ion: 82 Resp: 208950
Ion Ratio Lower Upper
82 100
128 41.9 32.2 48.2
54 40.0 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: 36.622 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117491.D

Acq: 23 Oct 2019 18:58

Instrument :

BNA_F

ClientSampled :

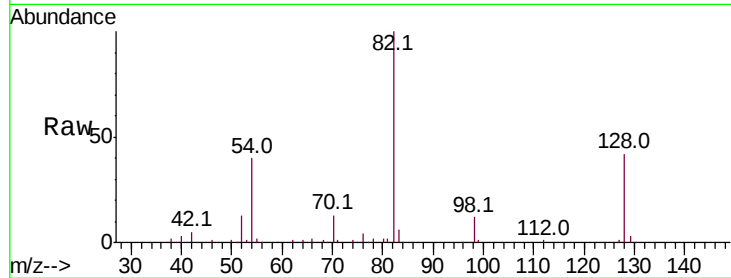
Tot Ion: 82 Resp: 208949

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

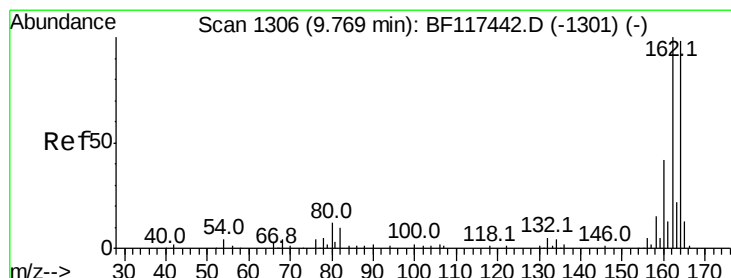
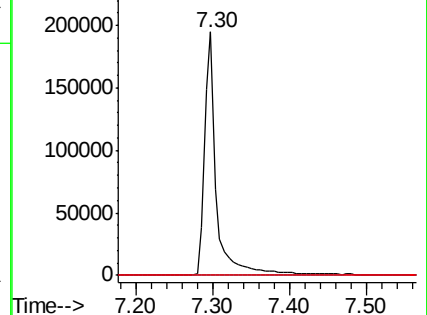
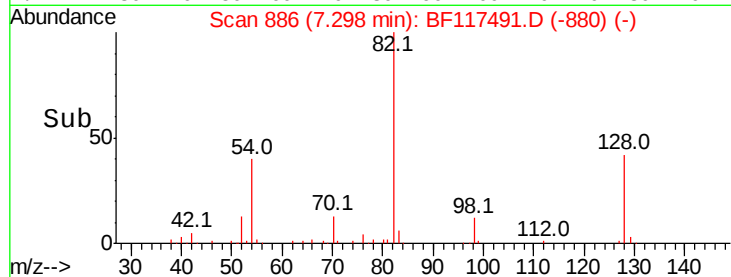
138 0.0 14.2 21.2#



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: BF117491.D

Acq: 23 Oct 2019 18:58

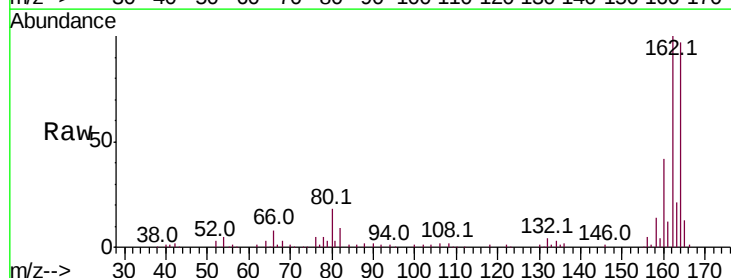
Tgt Ion:164 Resp: 85409

Ion Ratio Lower Upper

164 100

162 102.7 81.8 122.6

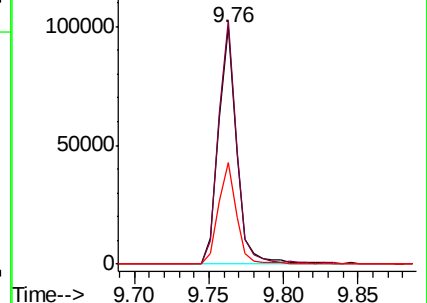
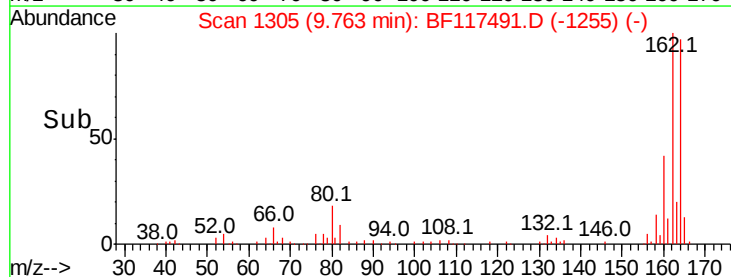
160 42.7 34.4 51.6

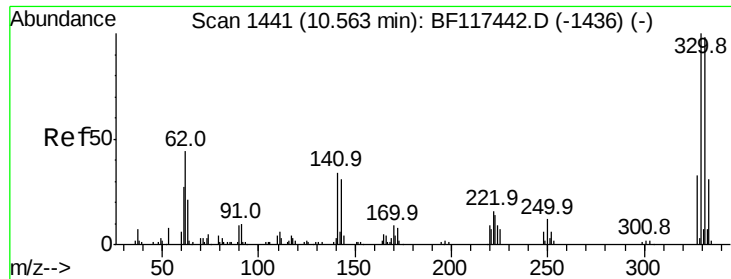


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

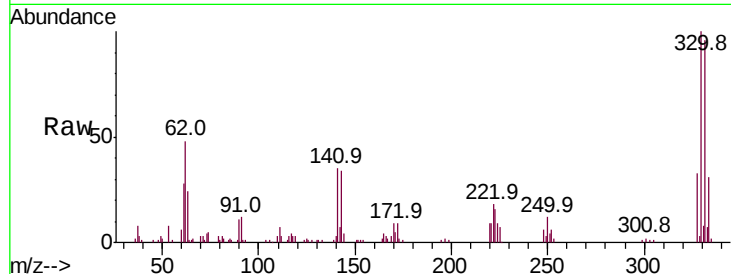




#42
 2,4,6-Tribromophenol
 Concen: 93.849 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117491.D
 Acq: 23 Oct 2019 18:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.5	117.7
141	44.6	37.0	55.6

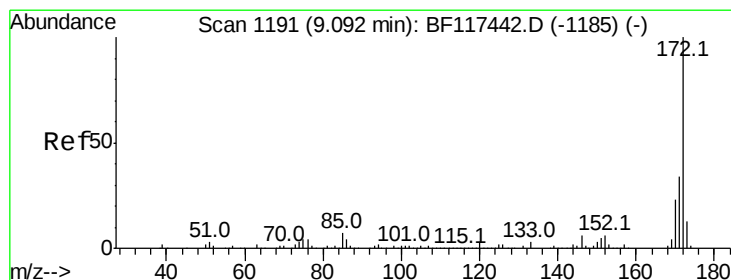
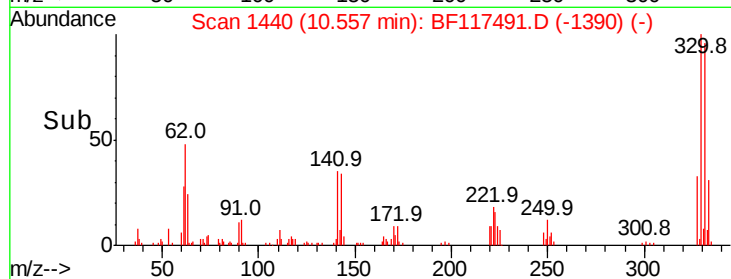
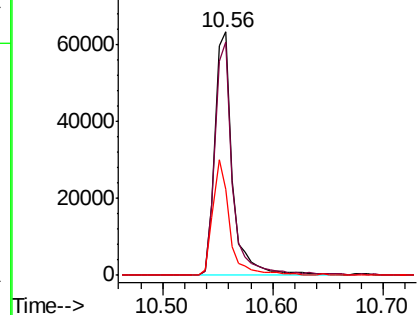


Abundance

Ion 329.80 (329.50 to 330.50): E

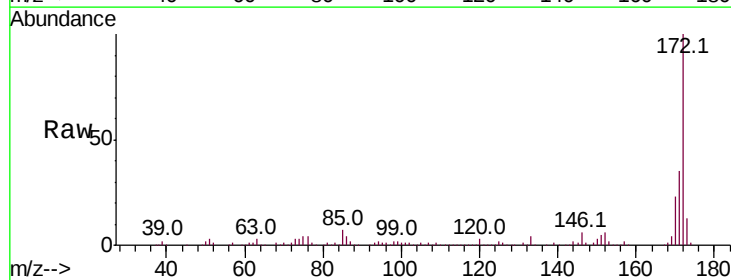
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 60.287 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117491.D
 Acq: 23 Oct 2019 18:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.5	41.3
170	22.9	18.6	27.8

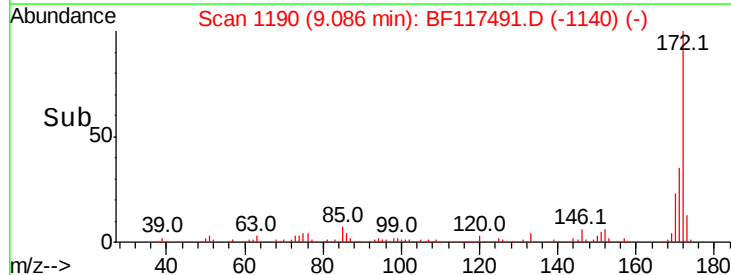
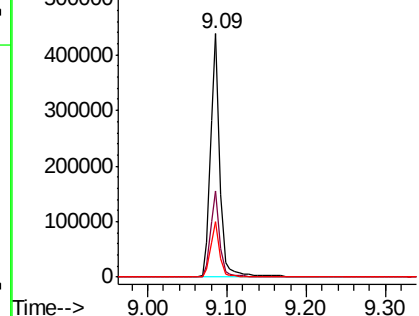


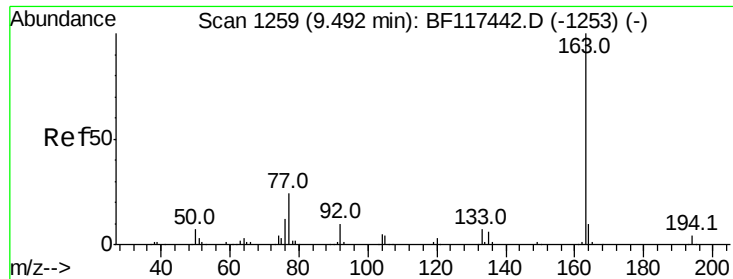
Abundance

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: 8.188 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117491.D

Acq: 23 Oct 2019 18:58

Instrument :

BNA_F

ClientSampleId :

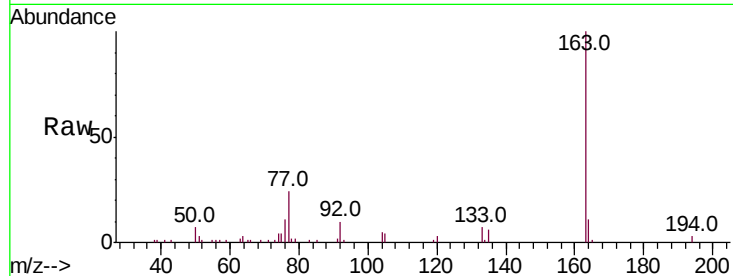
Tot Ion:163 Resp: 49856

Ion Ratio Lower Upper

163 100

194 3.5 2.9 4.3

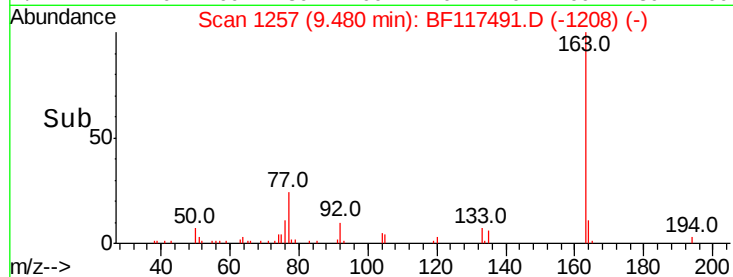
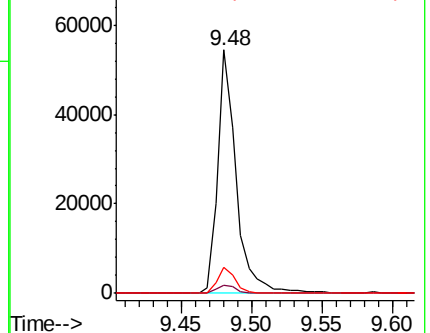
164 10.6 8.2 12.2



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: 8.328 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF117491.D

Acq: 23 Oct 2019 18:58

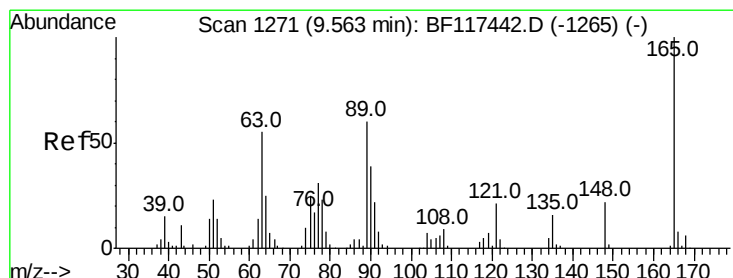
Tgt Ion:165 Resp: 10581

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

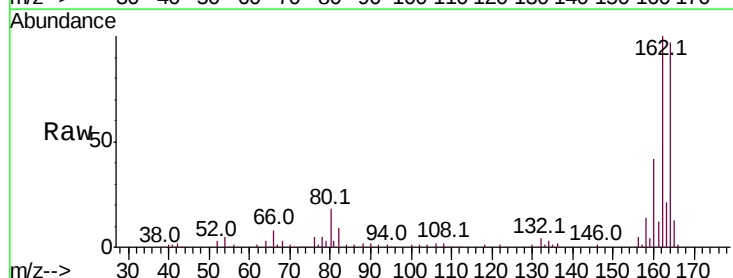
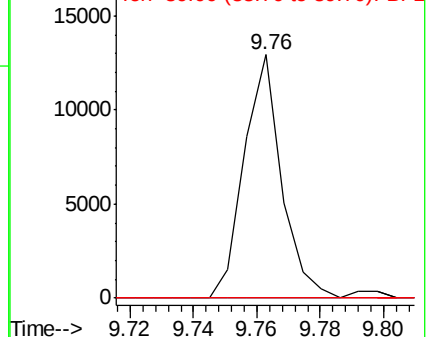
89 0.0 47.6 71.4#

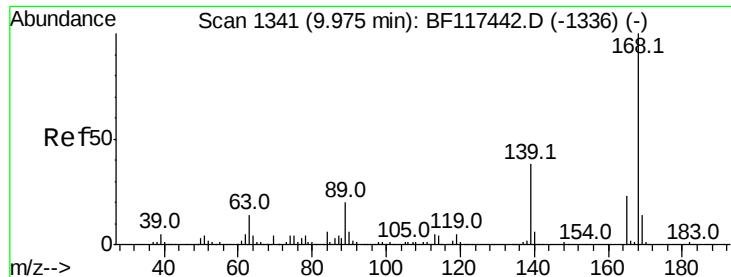


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

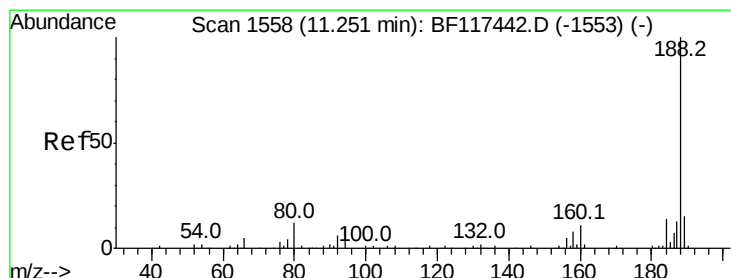
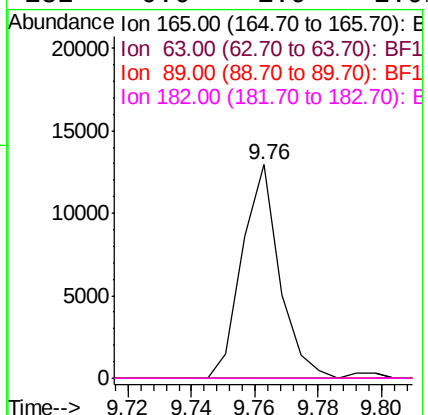
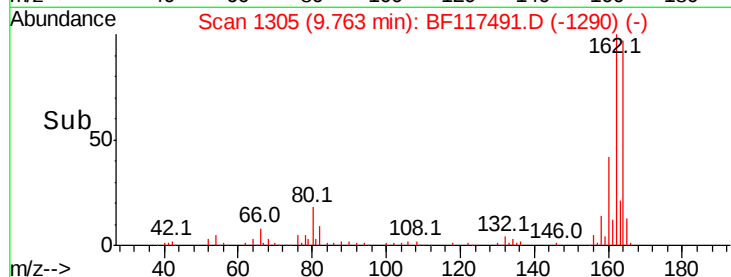
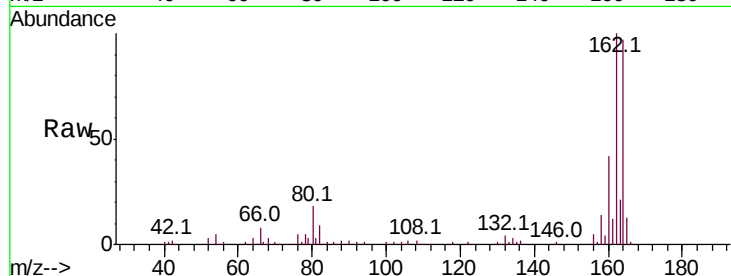




#57
 2,4-Dinitrotoluene
 Concen: 6.264 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117491.D
 Acq: 23 Oct 2019 18:58

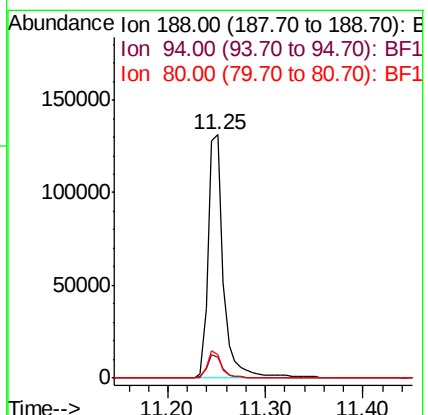
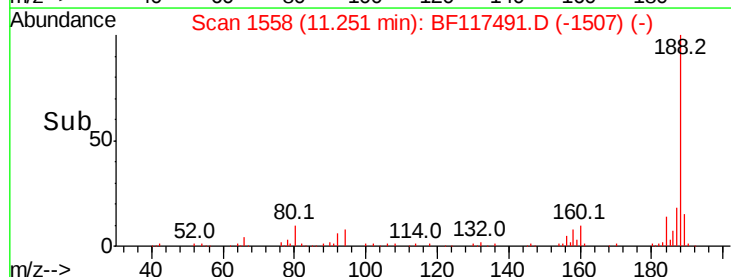
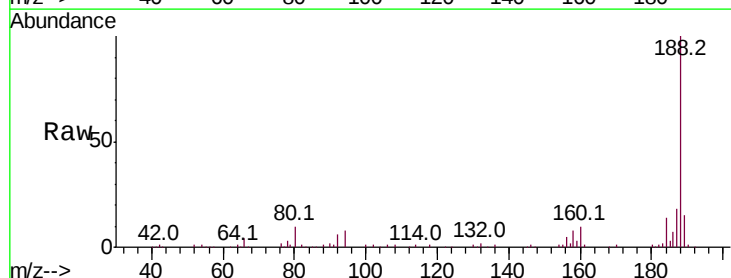
Instrument :
 BNA_F
 ClientSampleId :

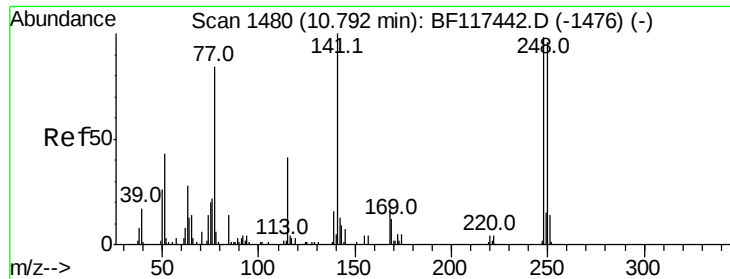
Tot Ion:165 Resp: 10581
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.4 77.0#
 89 0.0 69.9 104.9#
 182 0.0 1.9 2.9#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: BF117491.D
 Acq: 23 Oct 2019 18:58

Tgt Ion:188 Resp: 143019
 Ion Ratio Lower Upper
 188 100
 94 8.4 8.0 12.0
 80 9.7 9.5 14.3





#67

4-Bromophenyl-phenylether

Concen: 2.508 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117491.D

Acq: 23 Oct 2019 18:58

Instrument :

BNA_F

ClientSampleId :

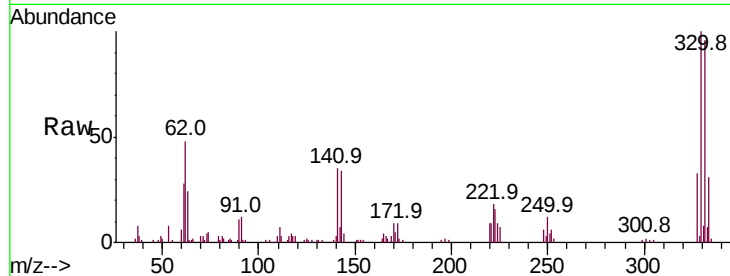
Tot Ion:248 Resp: 3863

Ion Ratio Lower Upper

248 100

250 214.8 78.0 117.0#

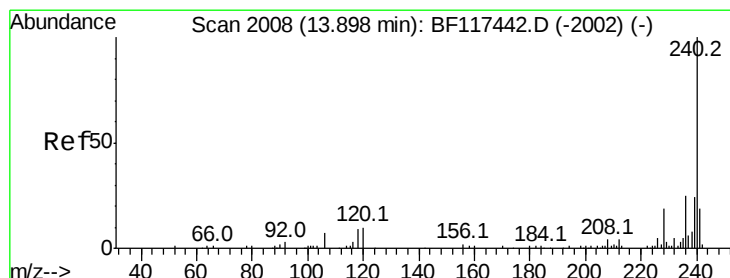
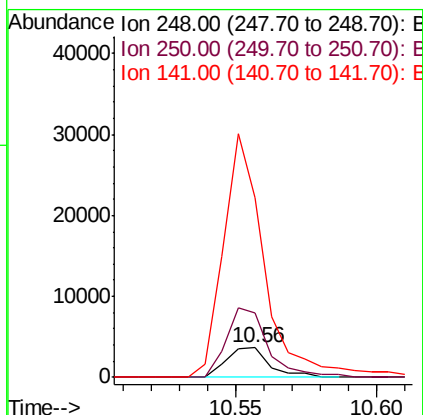
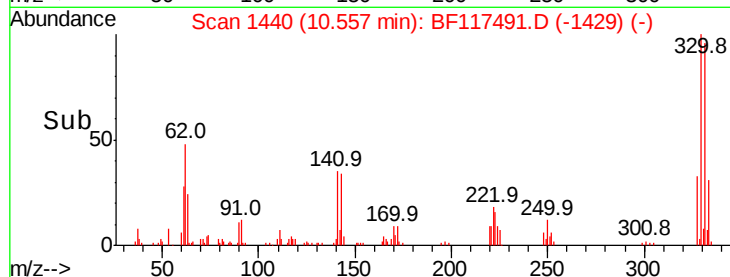
141 606.7 81.7 122.5#



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# 2007

Delta R.T. -0.01 min

Lab File: BF117491.D

Acq: 23 Oct 2019 18:58

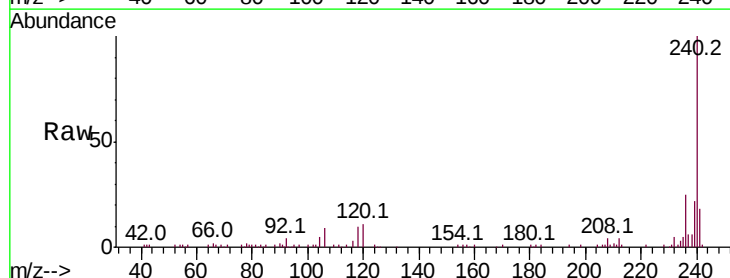
Tgt Ion:240 Resp: 91705

Ion Ratio Lower Upper

240 100

120 11.0 8.4 12.6

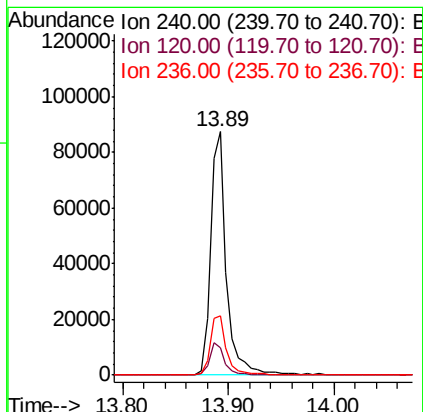
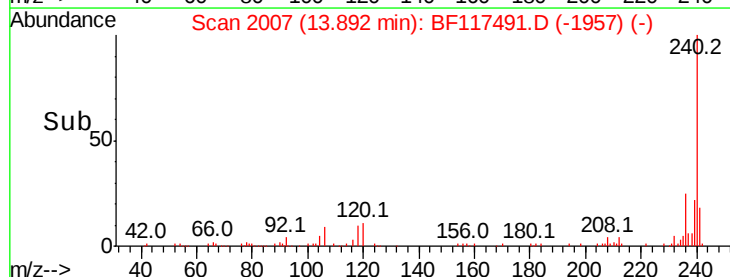
236 24.6 20.0 30.0

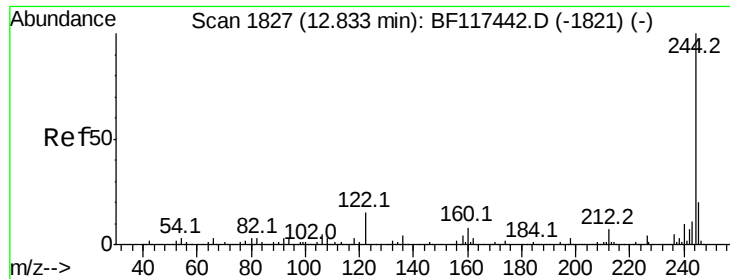


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 65.509 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF117491.D

Acq: 23 Oct 2019 18:58

Instrument :

BNA_F

ClientSampled :

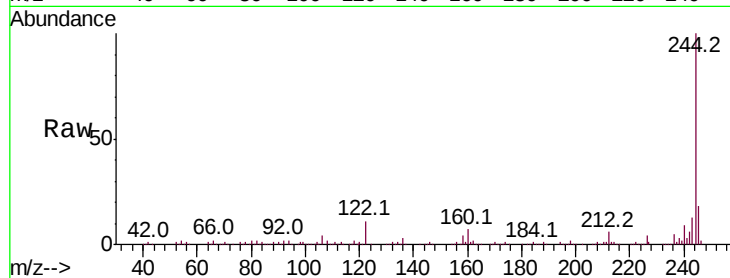
Tot Ion:244 Resp: 368309

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.6

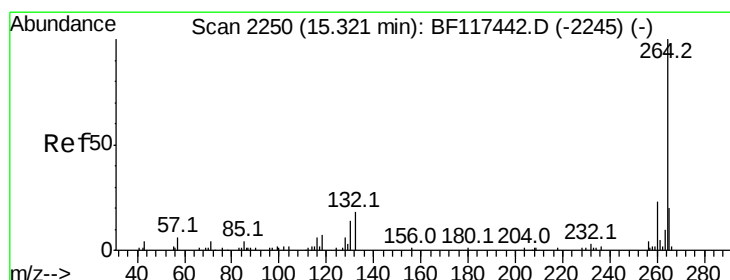
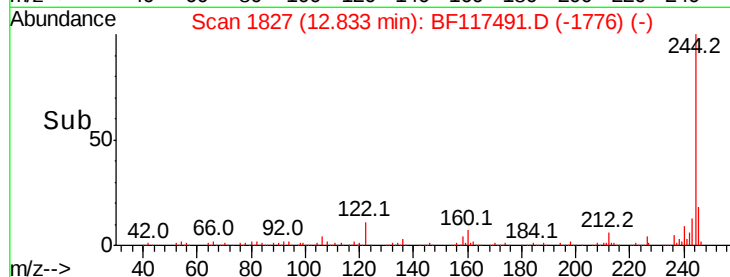
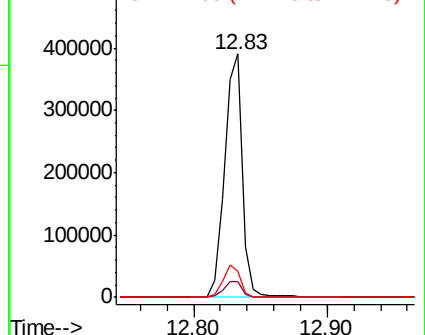
122 10.8 11.8 17.8#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2249

Delta R.T. -0.01 min

Lab File: BF117491.D

Acq: 23 Oct 2019 18:58

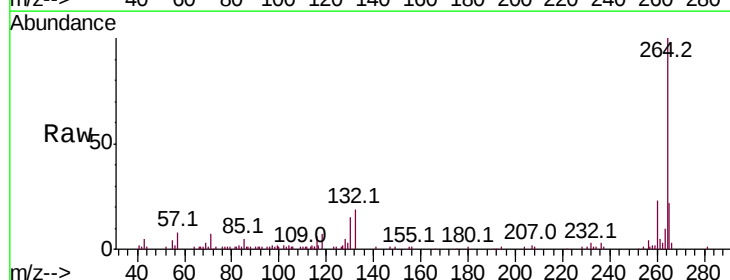
Tgt Ion:264 Resp: 90597

Ion Ratio Lower Upper

264 100

260 23.0 18.4 27.6

265 22.1 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

