

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102319\
 Data File : BF117501.D
 Acq On : 23 Oct 2019 23:24
 Operator : JU
 Sample : K5497-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 24 08:25:55 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	46766	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	188404	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	95592	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	154665	20.00	ng	0.00
76) Chrysene-d12	13.89	240	92961	20.00	ng	0.00
87) Perylene-d12	15.32	264	97284	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	269845	85.84	ng	0.00
7) Phenol-d6	6.38	99	370914	87.85	ng	0.00
23) Nitrobenzene-d5	7.30	82	226702	59.40	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	71641	86.62	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	322535	47.54	ng	0.00
79) Terphenyl-d14	12.83	244	255192	44.78	ng	0.00

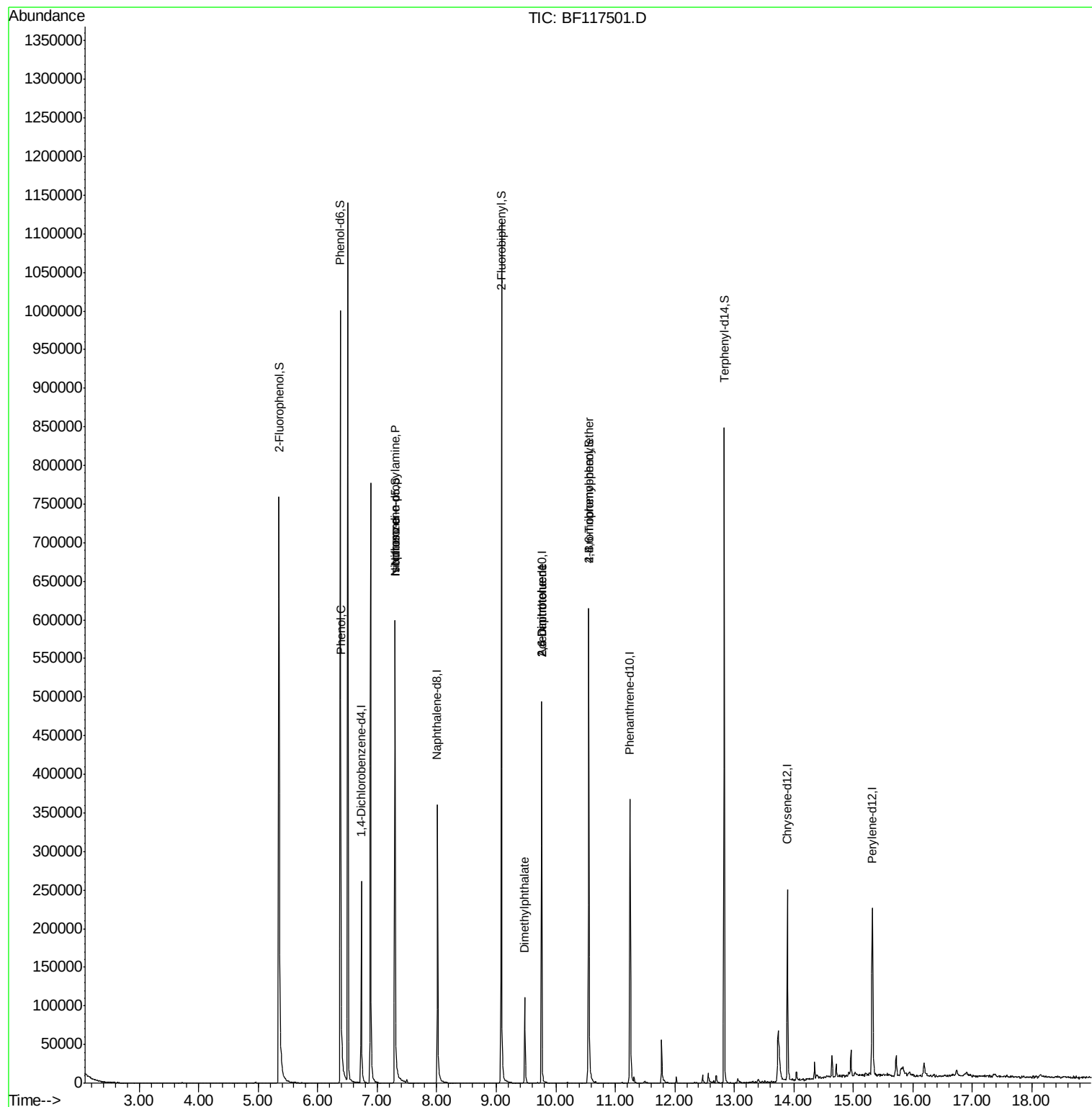
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.38	77	362	Below Cal		# 3
10) Phenol	6.39	94	10172	2.361	ng	95
19) n-Nitroso-di-n-propylamine	7.30	70	28909	11.212	ng	# 78
25) Isophorone	7.30	82	226701	34.339	ng	# 65
50) Dimethylphthalate	9.48	163	46056	6.758	ng	99
51) 2,6-Dinitrotoluene	9.76	165	12066	8.485	ng	# 22
57) 2,4-Dinitrotoluene	9.76	165	12066	6.382	ng	# 12
67) 4-Bromophenyl-phenylether	10.55	248	4585	2.752	ng	# 1
77) Benzidine	12.83	184	3283	Below Cal		# 91

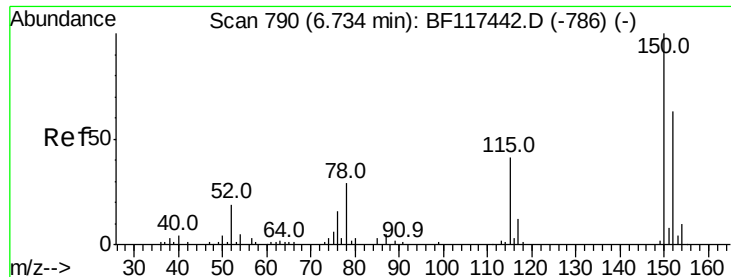
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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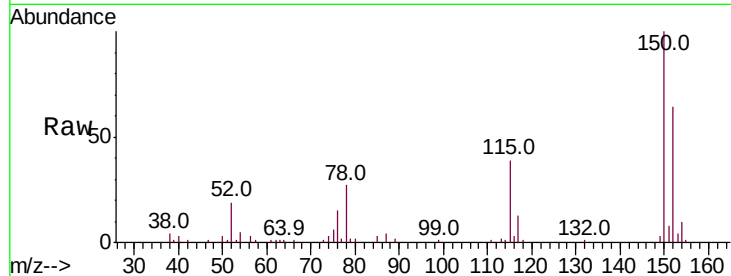


#1

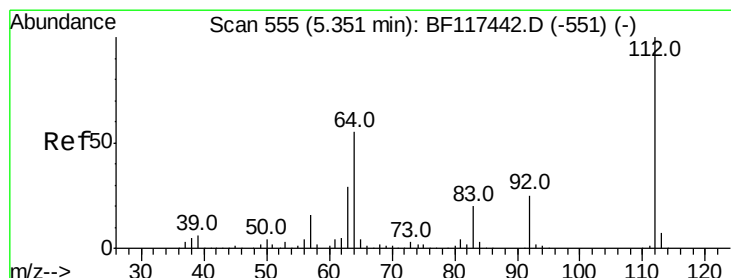
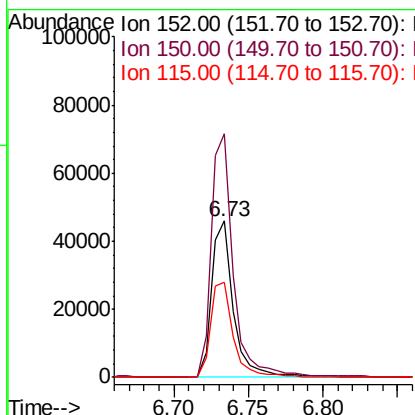
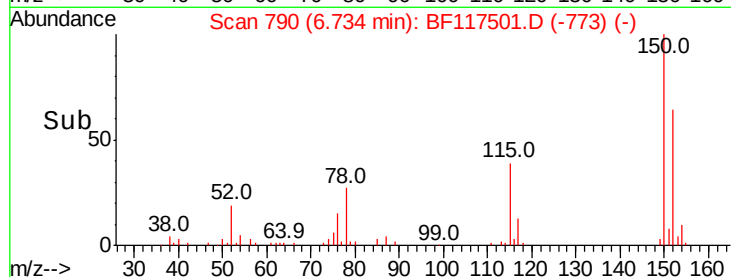
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117501.D
Acq: 23 Oct 2019 23:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 46766
Ion Ratio Lower Upper
152 100
150 156.1 126.8 190.2
115 60.9 51.6 77.4



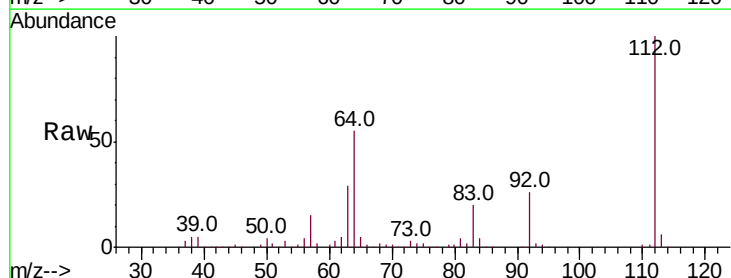
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



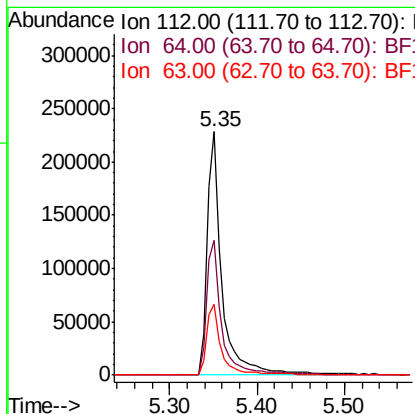
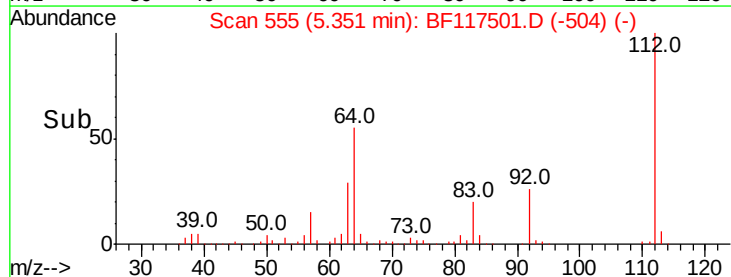
#5

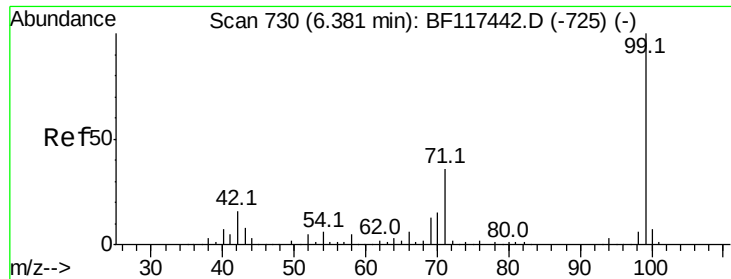
2-Fluorophenol
Concen: 85.842 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117501.D
Acq: 23 Oct 2019 23:24

Tgt Ion:112 Resp: 269845
Ion Ratio Lower Upper
112 100
64 55.4 44.1 66.1
63 29.3 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: 87.851 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117501.D

Acq: 23 Oct 2019 23:24

Instrument :

BNA_F

ClientSampled :

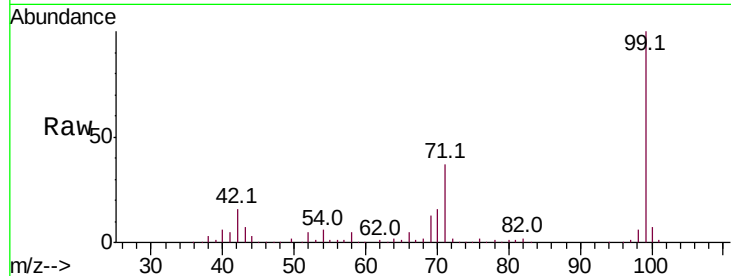
Tot Ion: 99 Resp: 370914

Ion Ratio Lower Upper

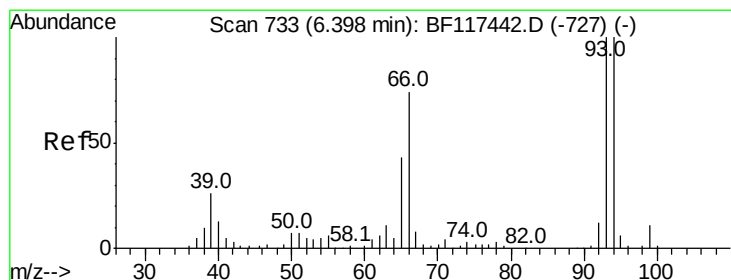
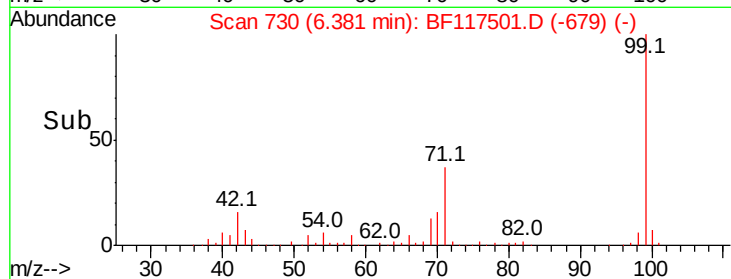
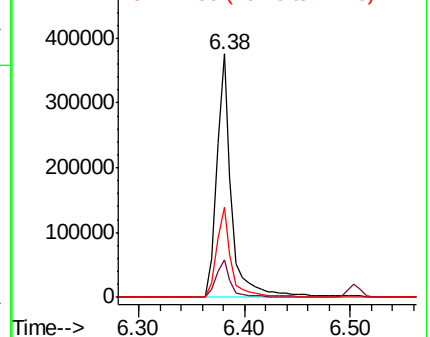
99 100

42 15.5 12.8 19.2

71 36.9 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



#10

Phenol

Concen: 2.361 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF117501.D

Acq: 23 Oct 2019 23:24

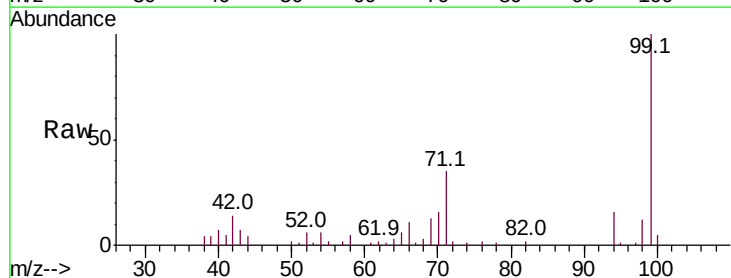
Tgt Ion: 94 Resp: 10172

Ion Ratio Lower Upper

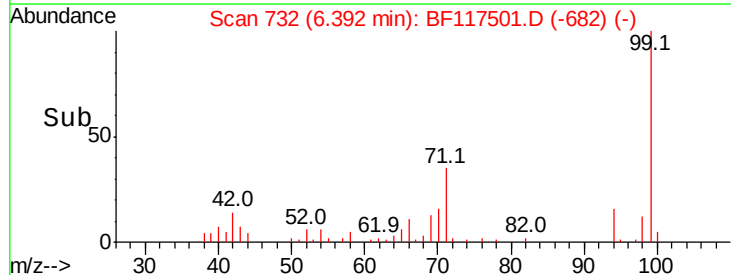
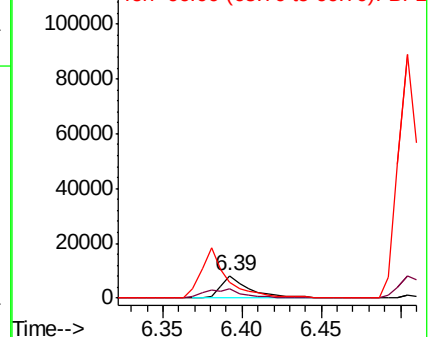
94 100

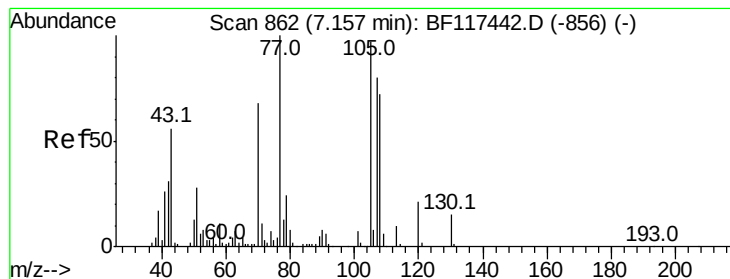
65 40.7 23.4 63.4

66 69.6 54.7 94.7



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 11.212 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117501.D

Acq: 23 Oct 2019 23:24

Instrument :

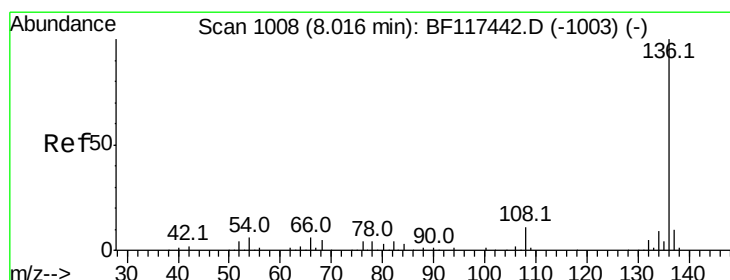
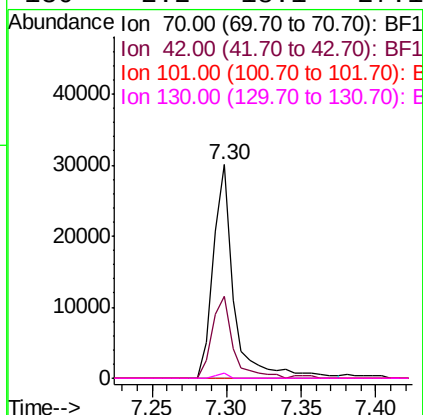
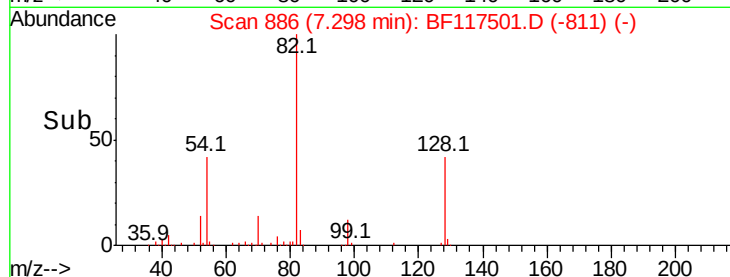
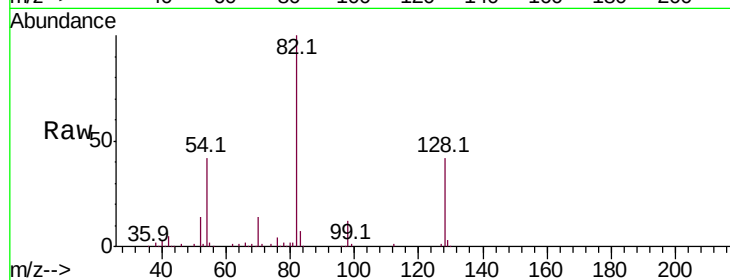
BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 28909

Ion Ratio Lower Upper

70	100		
42	38.3	36.7	55.1
101	0.0	8.3	12.5#
130	2.2	18.1	27.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

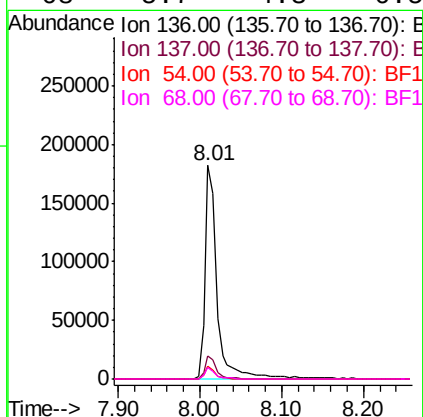
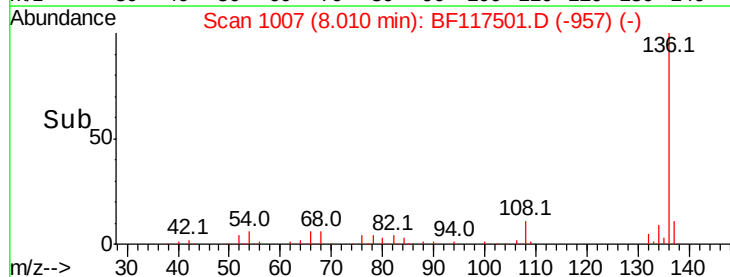
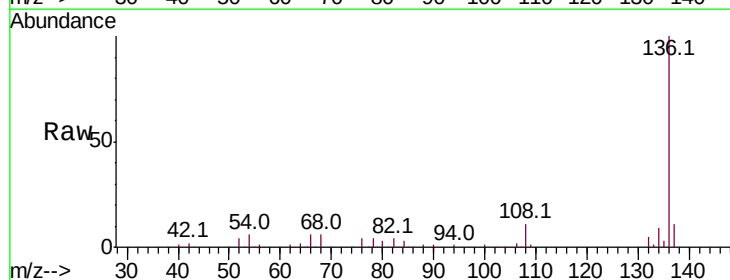
Lab File: BF117501.D

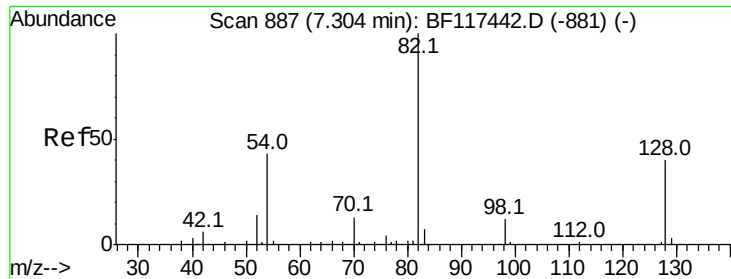
Acq: 23 Oct 2019 23:24

Tgt Ion:136 Resp: 188404

Ion Ratio Lower Upper

136	100		
137	11.1	8.2	12.4
54	6.0	4.5	6.7
68	5.7	4.3	6.5

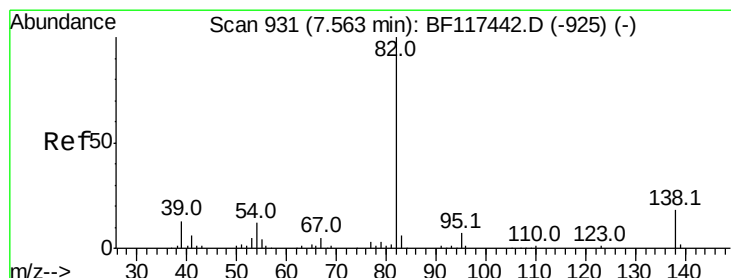
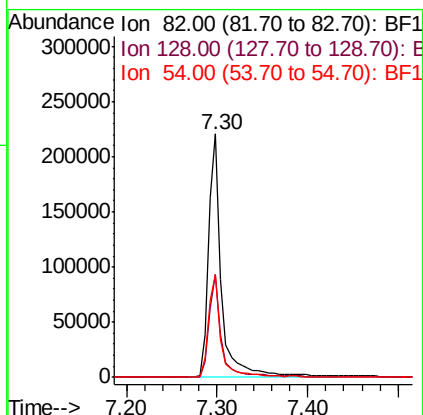
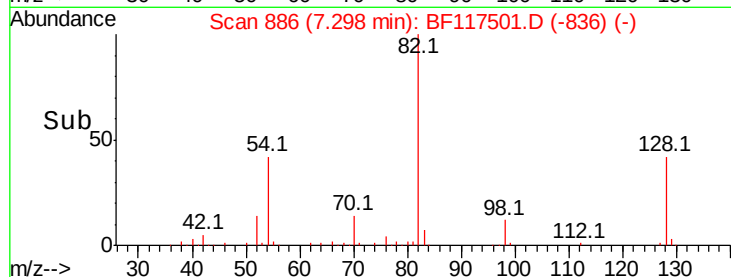
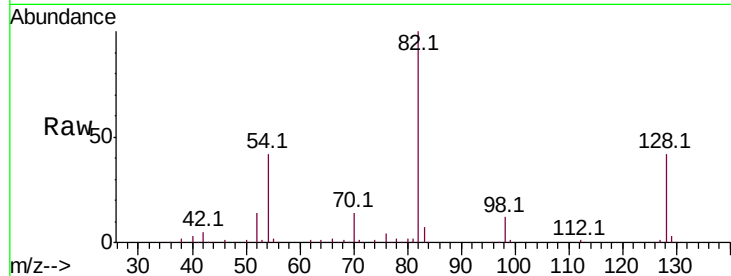




#23
Nitrobenzene-d5
Concen: 59.403 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117501.D
Acq: 23 Oct 2019 23:24

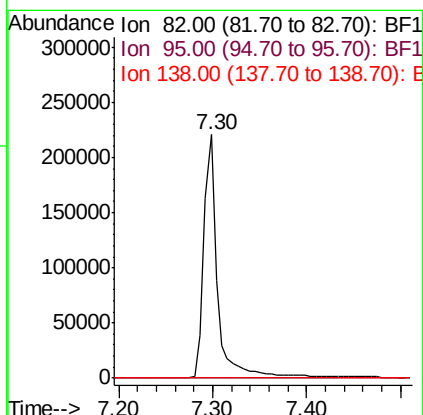
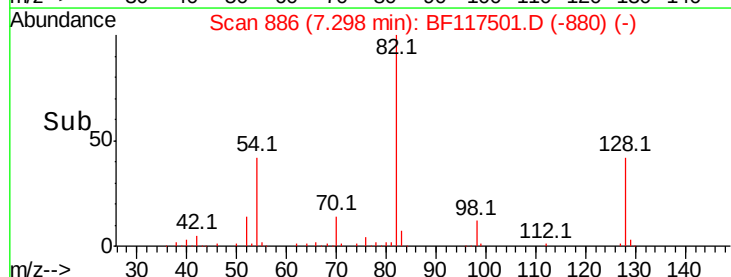
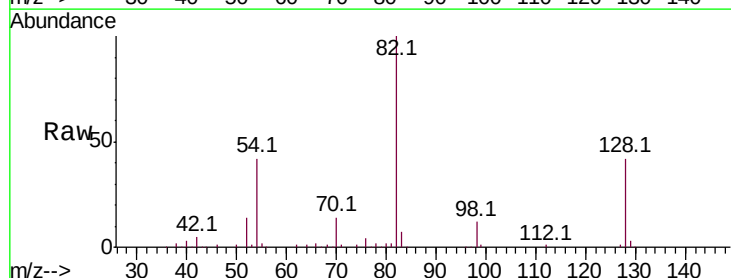
Instrument :
BNA_F
ClientSampleId :

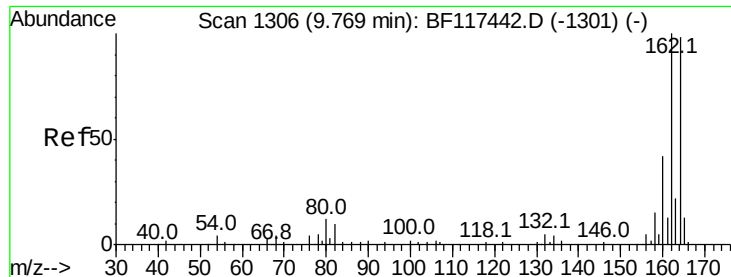
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.3	32.2	48.2
54	42.2	34.2	51.2



#25
Isophorone
Concen: 34.339 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF117501.D
Acq: 23 Oct 2019 23:24

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#

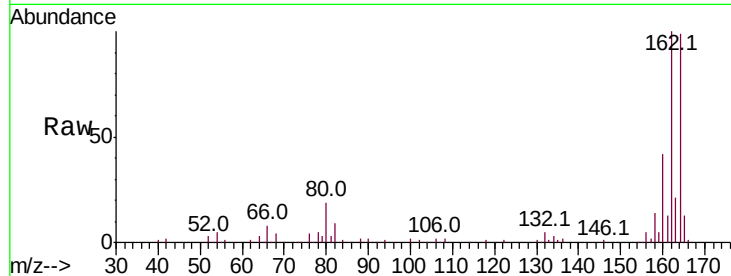




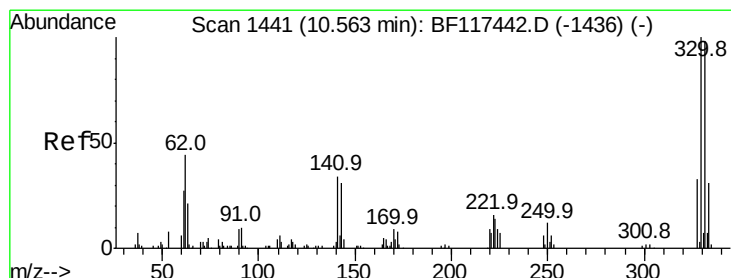
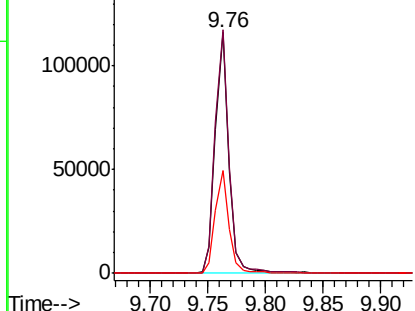
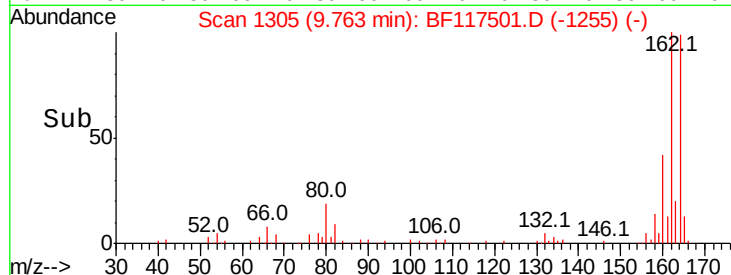
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117501.D
Acq: 23 Oct 2019 23:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 95592
Ion Ratio Lower Upper
164 100
162 101.0 81.8 122.6
160 42.8 34.4 51.6

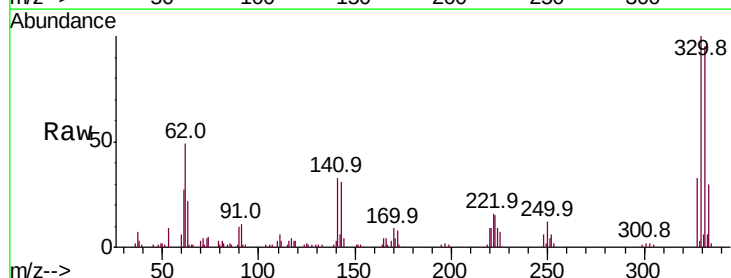


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

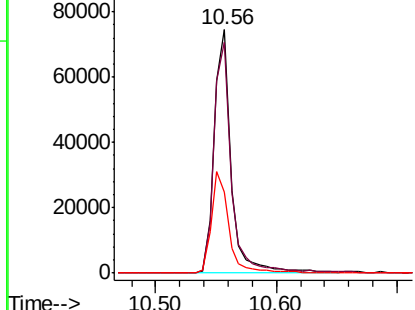
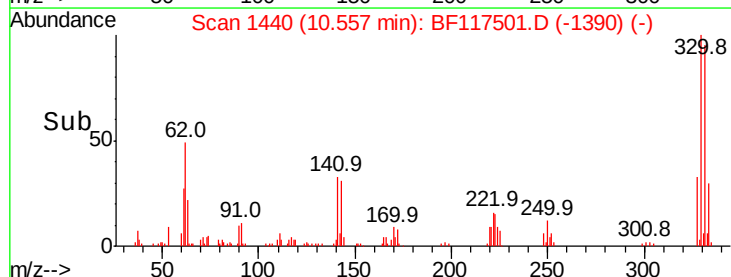


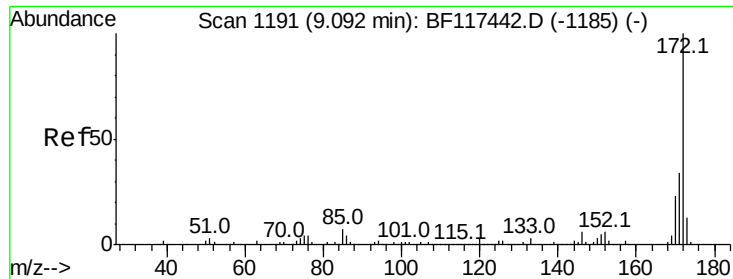
#42
2,4,6-Tribromophenol
Concen: 86.615 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117501.D
Acq: 23 Oct 2019 23:24

Tgt Ion:330 Resp: 71641
Ion Ratio Lower Upper
330 100
332 96.9 78.5 117.7
141 42.6 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



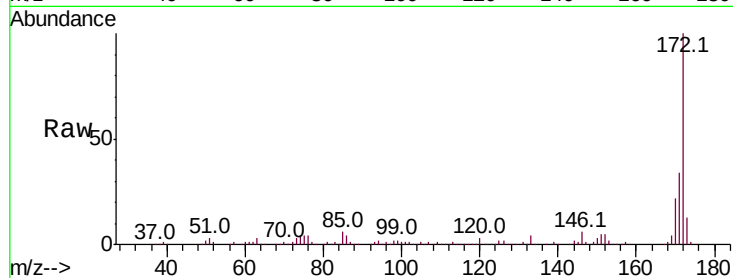


#45
 2-Fluorobiphenyl
 Concen: 47.540 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117501.D
 Acq: 23 Oct 2019 23:24

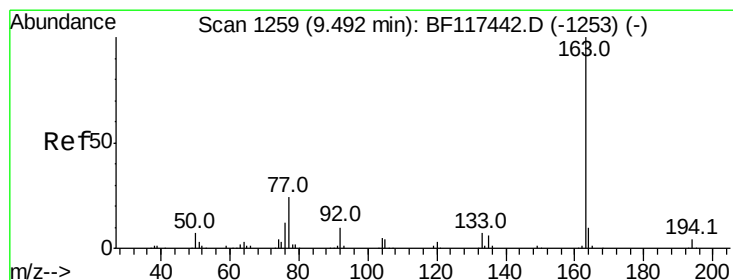
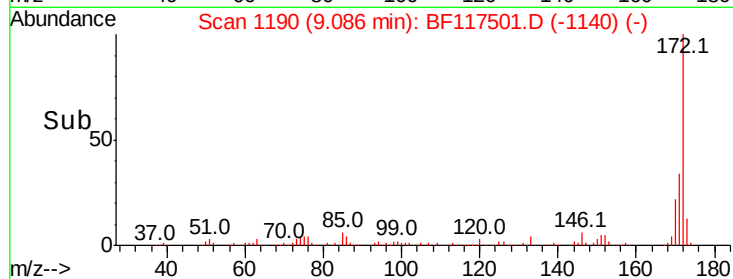
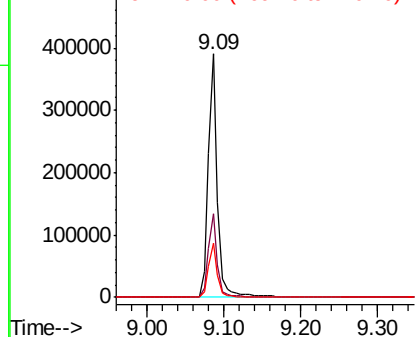
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 322535

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.5	41.3
170	22.2	18.6	27.8



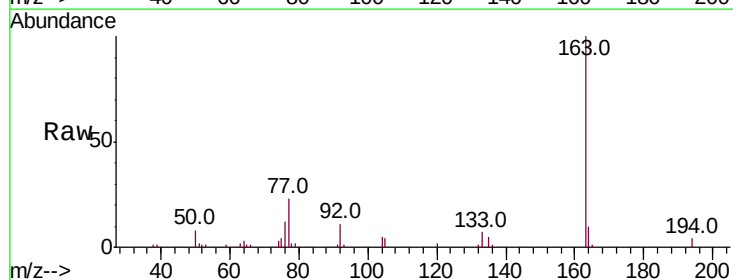
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



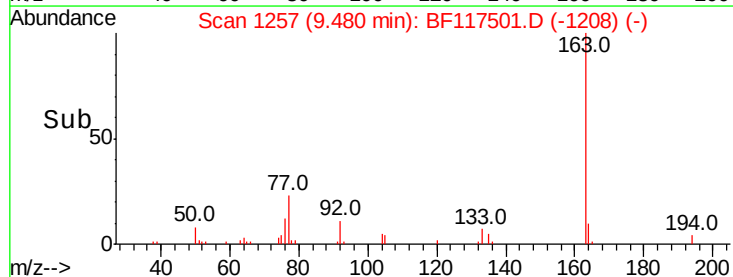
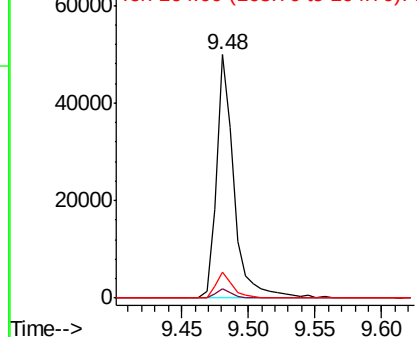
#50
 Dimethylphthalate
 Concen: 6.758 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: BF117501.D
 Acq: 23 Oct 2019 23:24

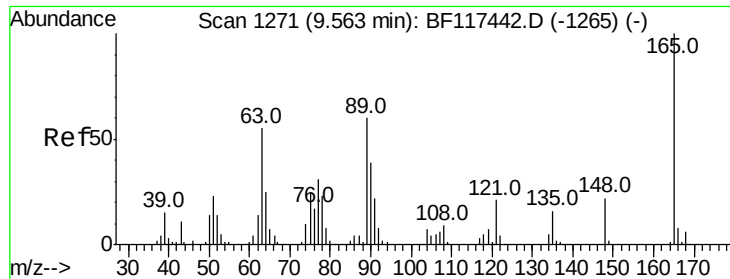
Tgt Ion:163 Resp: 46056

Ion	Ratio	Lower	Upper
163	100		
194	4.1	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

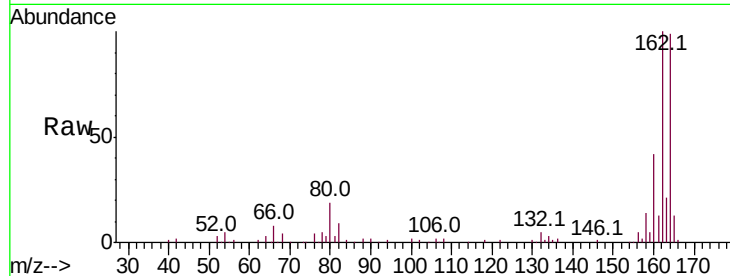




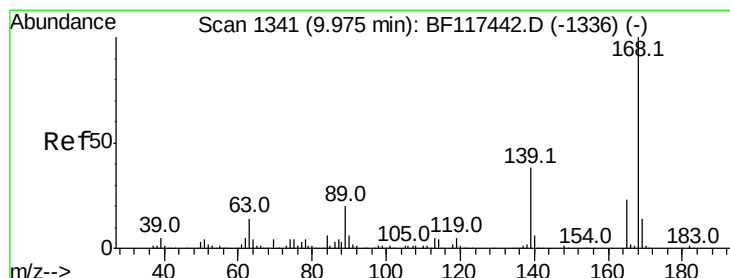
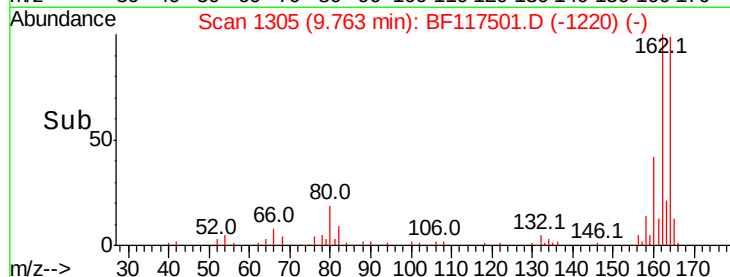
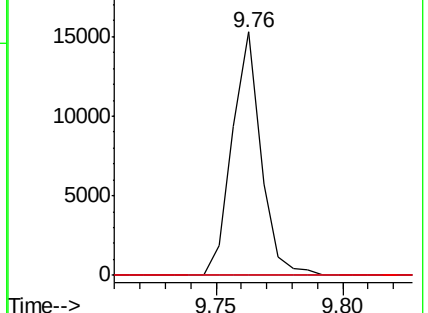
#51
 2,6-Dinitrotoluene
 Concen: 8.485 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF117501.D
 Acq: 23 Oct 2019 23:24

Instrument :
 BNA_F
 ClientSampleId :

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

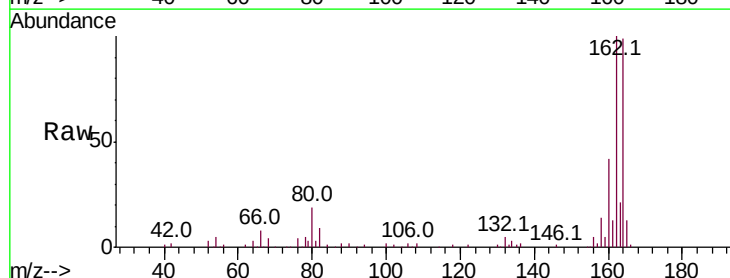


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

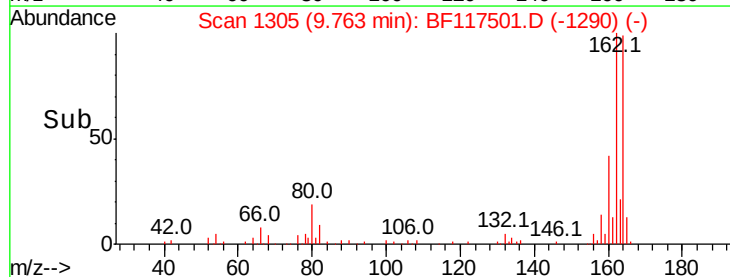
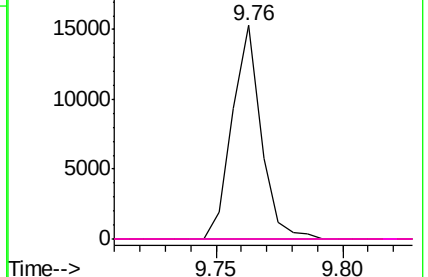


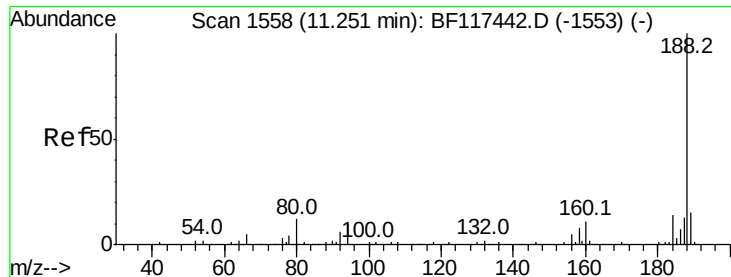
#57
 2,4-Dinitrotoluene
 Concen: 6.382 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117501.D
 Acq: 23 Oct 2019 23:24

Tgt 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: BF117501.D

Acq: 23 Oct 2019 23:24

Instrument :

BNA_F

ClientSampleId :

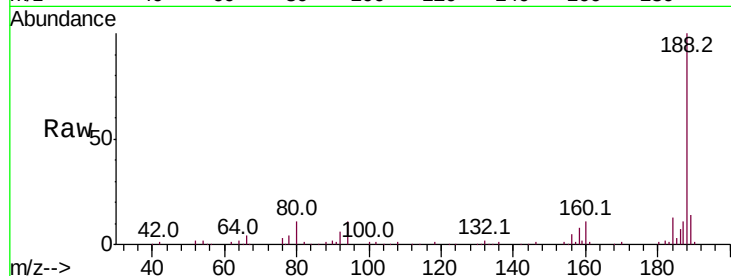
Tot Ion:188 Resp: 154665

Ion Ratio Lower Upper

188 100

94 10.9 8.0 12.0

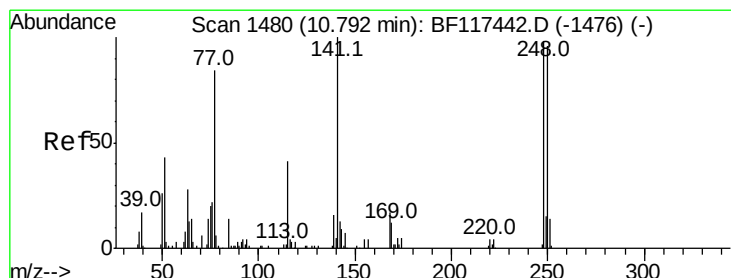
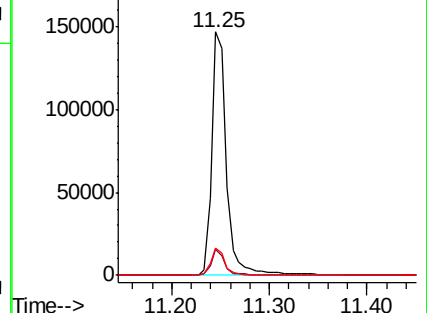
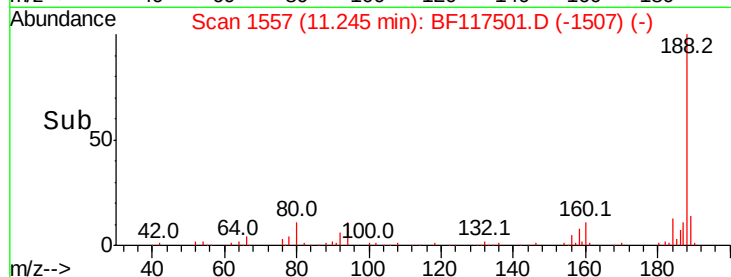
80 11.4 9.5 14.3



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: 2.752 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.24 min

Lab File: BF117501.D

Acq: 23 Oct 2019 23:24

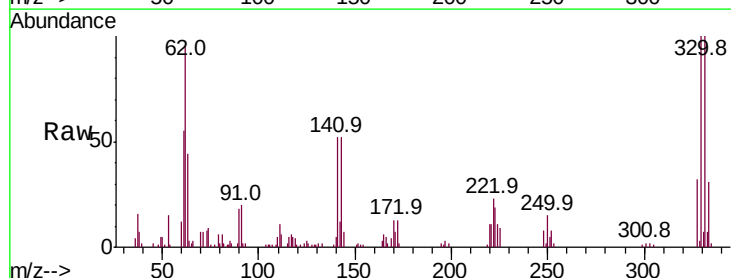
Tgt Ion:248 Resp: 4585

Ion Ratio Lower Upper

248 100

250 184.9 78.0 117.0#

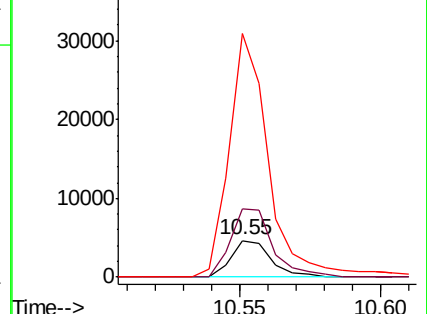
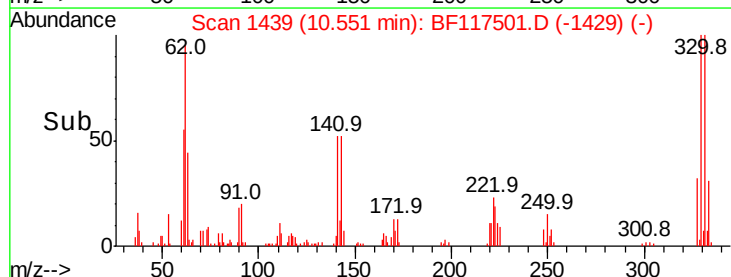
141 664.1 81.7 122.5#

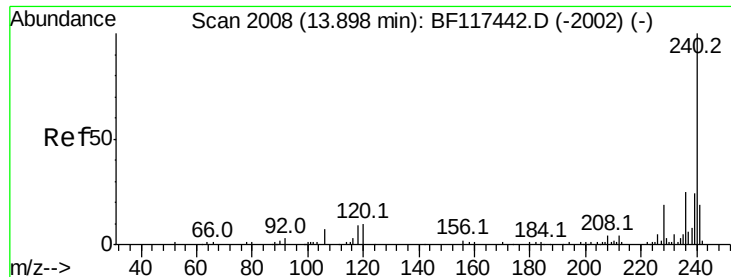


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

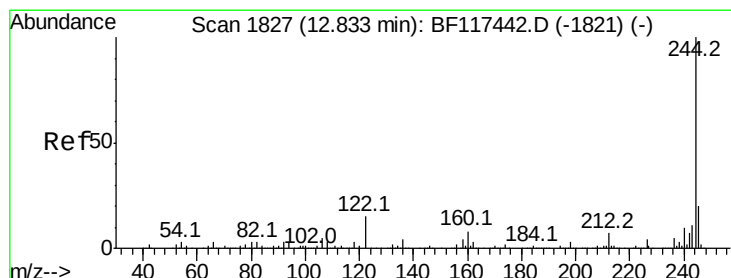
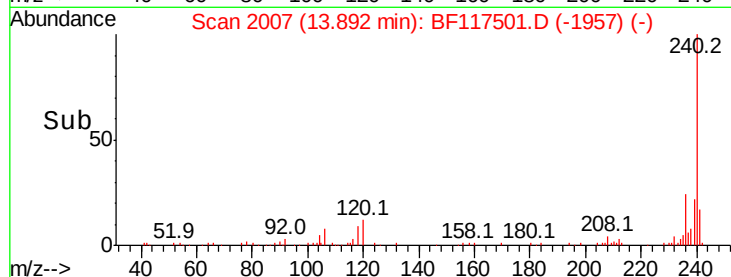
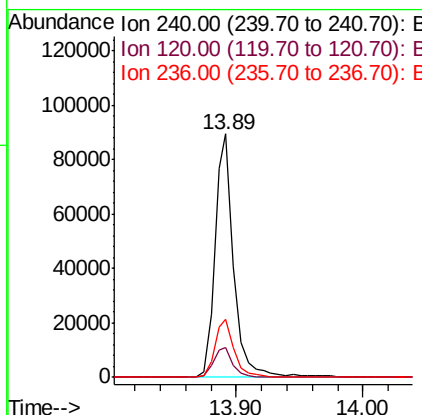
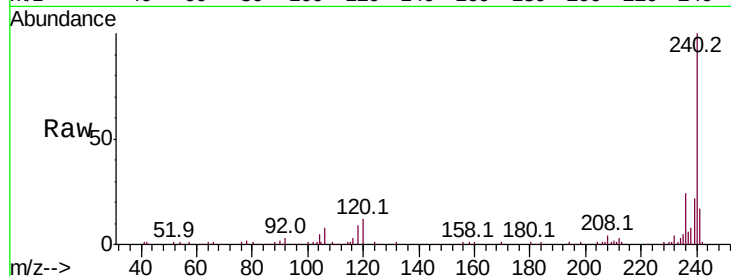




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF117501.D
 Acq: 23 Oct 2019 23:24

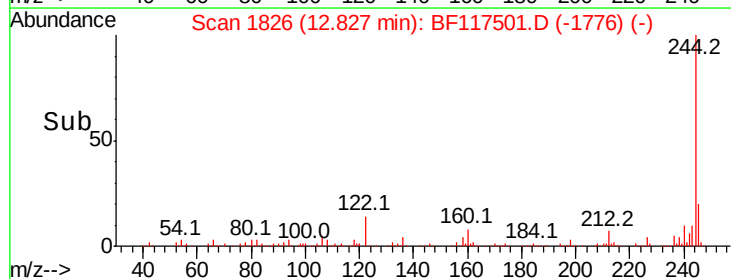
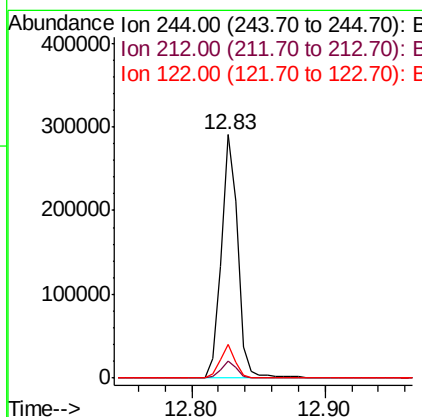
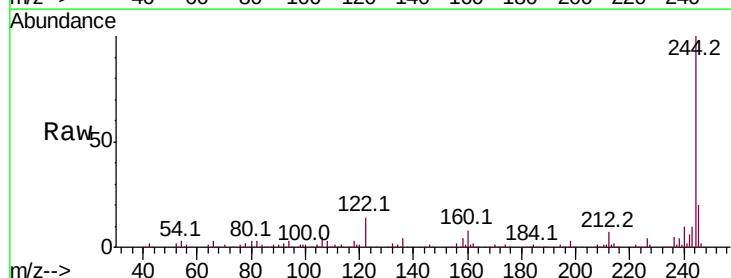
Instrument :
 BNA_F
 ClientSampled :

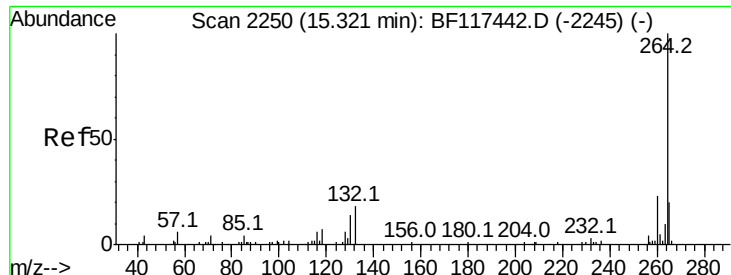
Tot Ion:240 Resp: 92961
 Ion Ratio Lower Upper
 240 100
 120 12.0 8.4 12.6
 236 23.6 20.0 30.0



#79
 Terphenyl-d14
 Concen: 44.777 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117501.D
 Acq: 23 Oct 2019 23:24

Tgt Ion:244 Resp: 255192
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 13.6 11.8 17.8

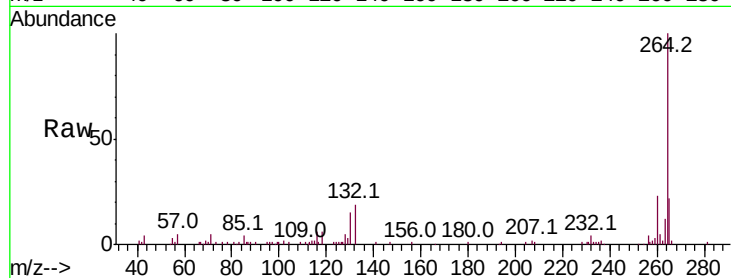




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: BF117501.D
 Acq: 23 Oct 2019 23:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.4	27.6
265	21.6	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

