

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\
 Data File : BF117666.D
 Acq On : 31 Oct 2019 18:52
 Operator : JU
 Sample : K5583-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 01:22:36 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	43762	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	172015	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	81977	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	111477	20.00	ng	0.00
76) Chrysene-d12	13.90	240	72276	20.00	ng	0.00
87) Perylene-d12	15.34	264	68906	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	140288	47.69	ng	0.01
7) Phenol-d6	6.39	99	139297	35.26	ng	0.01
23) Nitrobenzene-d5	7.30	82	257342	73.86	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	42293	59.63	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	420182	72.22	ng	-0.01
79) Terphenyl-d14	12.83	244	292723	66.06	ng	0.00

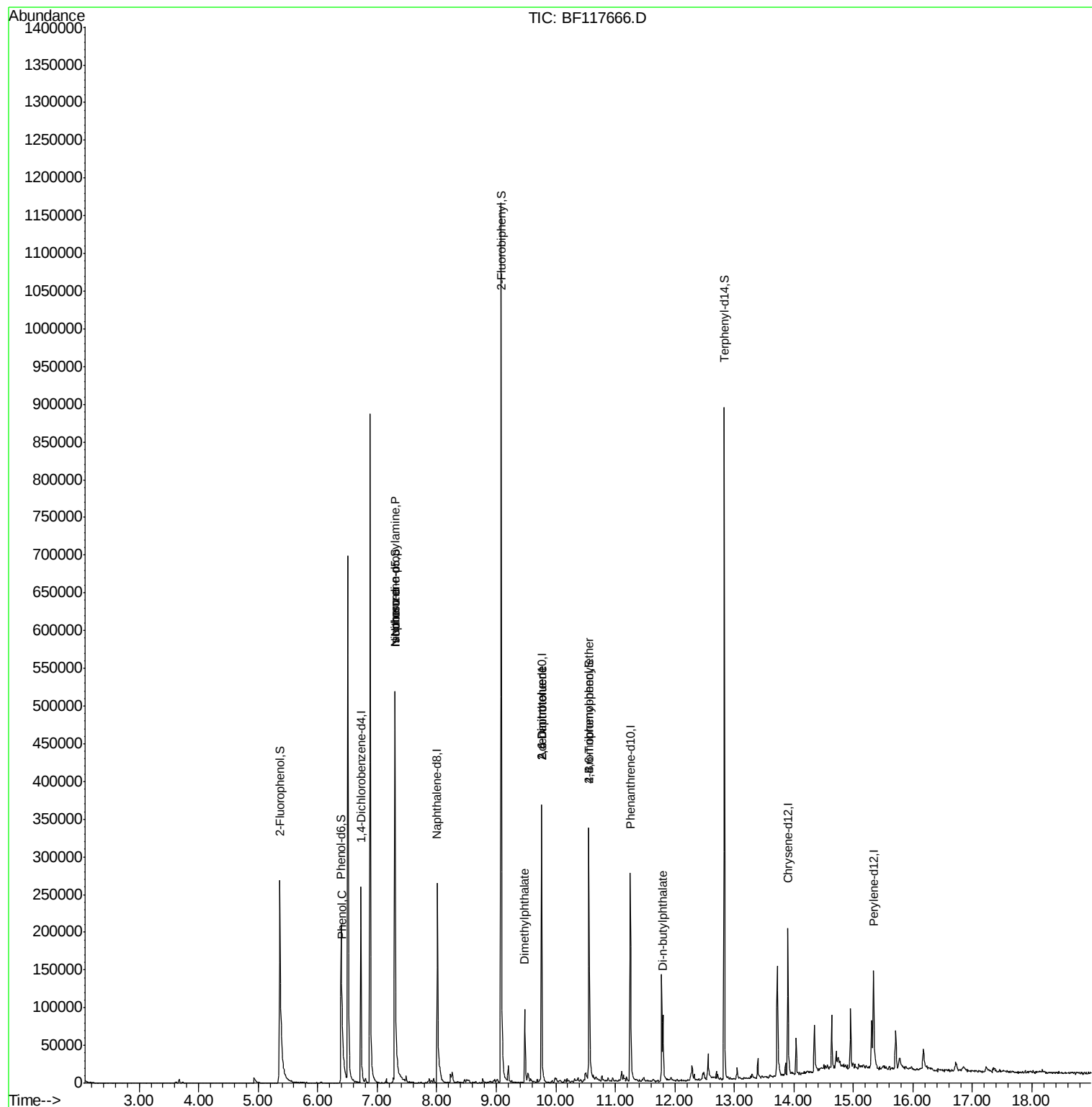
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	5283	Below Cal		# 74
10) Phenol	6.41	94	13811	3.425	ng	90
19) n-Nitroso-di-n-propylamine	7.30	70	33391	13.839	ng	# 77
25) Isophorone	7.30	82	257341	42.693	ng	# 65
50) Dimethylphthalate	9.48	163	45608	7.804	ng	98
51) 2,6-Dinitrotoluene	9.76	165	10253	8.407	ng	# 24
57) 2,4-Dinitrotoluene	9.76	165	10253	6.324	ng	# 14
67) 4-Bromophenyl-phenylether	10.56	248	2749	2.289	ng	# 1
74) Di-n-butylphthalate	11.80	149	38530	4.751	ng	99
77) Benzidine	12.83	184	4159	Below Cal		# 90

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

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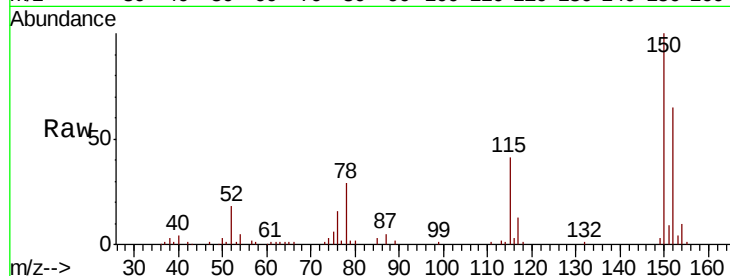


#1

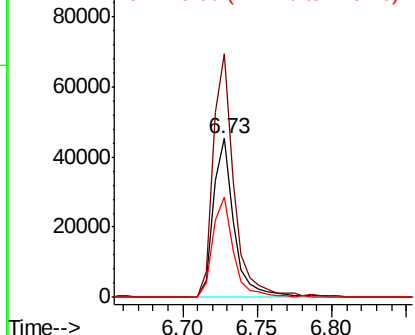
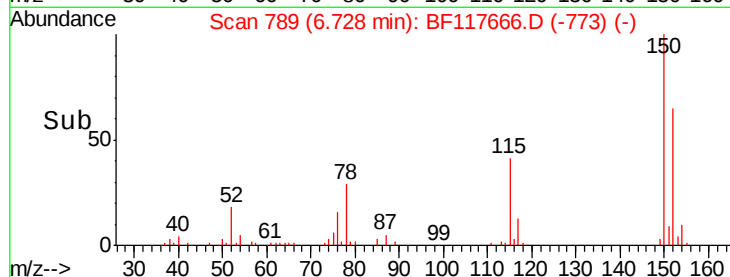
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117666.D
Acq: 31 Oct 2019 18:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 43762
Ion Ratio Lower Upper
152 100
150 153.1 126.8 190.2
115 63.3 51.6 77.4



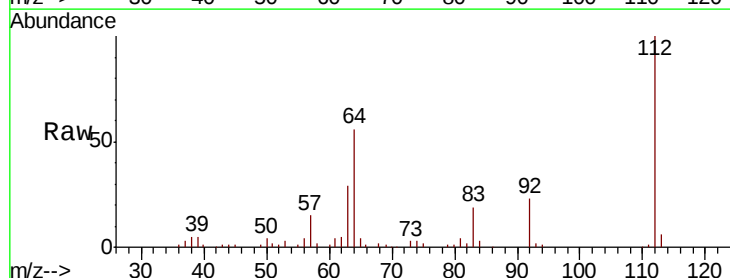
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



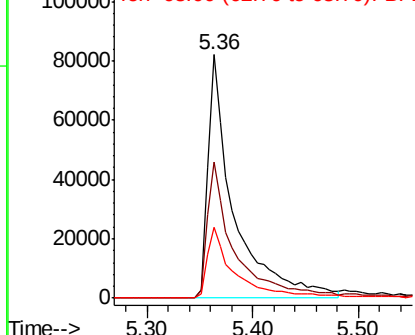
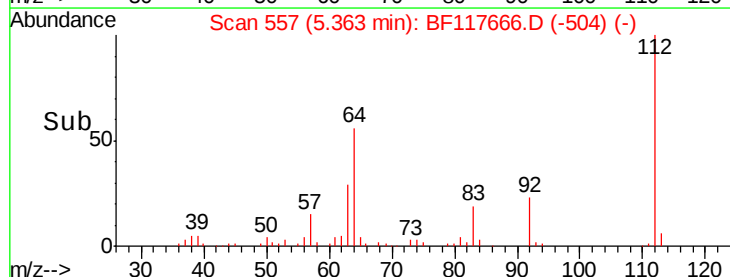
#5

2-Fluorophenol
Concen: 47.691 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF117666.D
Acq: 31 Oct 2019 18:52

Tgt Ion:112 Resp: 140288
Ion Ratio Lower Upper
112 100
64 55.9 44.1 66.1
63 29.2 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: 35.257 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF117666.D

Acq: 31 Oct 2019 18:52

Instrument :

BNA_F

ClientSampled :

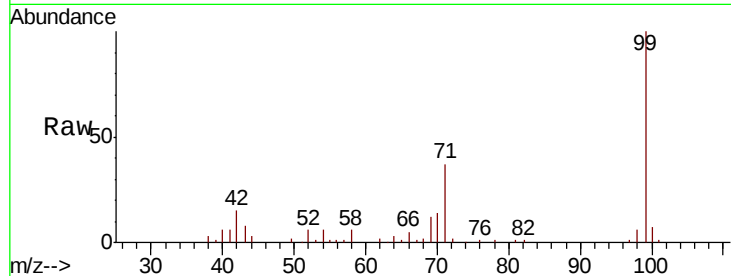
Tot Ion: 99 Resp: 139297

Ion Ratio Lower Upper

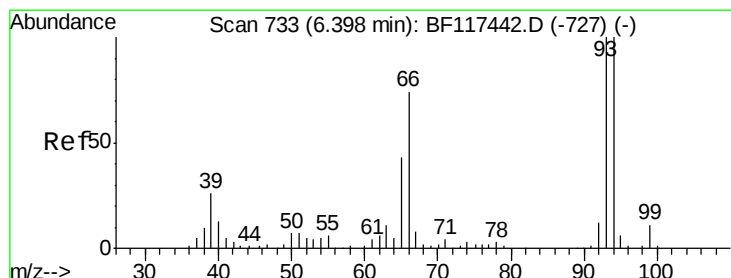
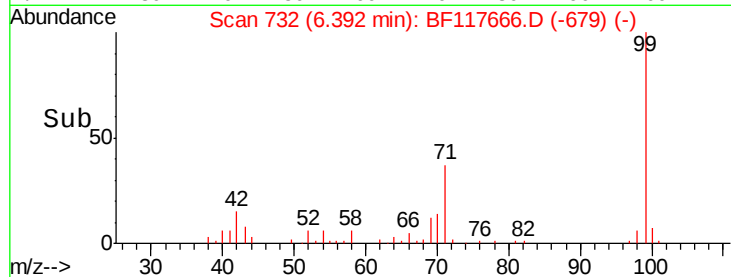
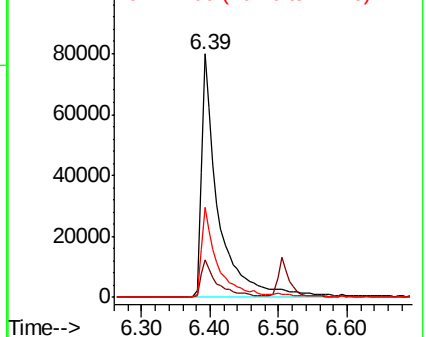
99 100

42 15.3 12.8 19.2

71 37.2 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



#10

Phenol

Concen: 3.425 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.01 min

Lab File: BF117666.D

Acq: 31 Oct 2019 18:52

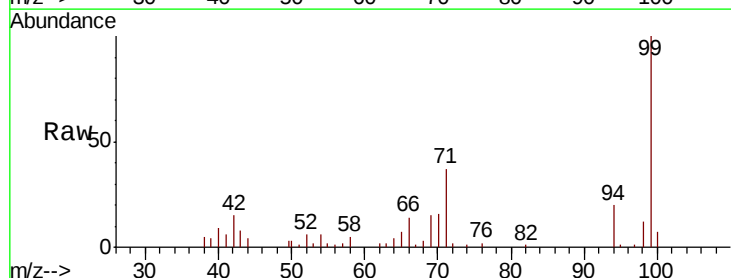
Tgt Ion: 94 Resp: 13811

Ion Ratio Lower Upper

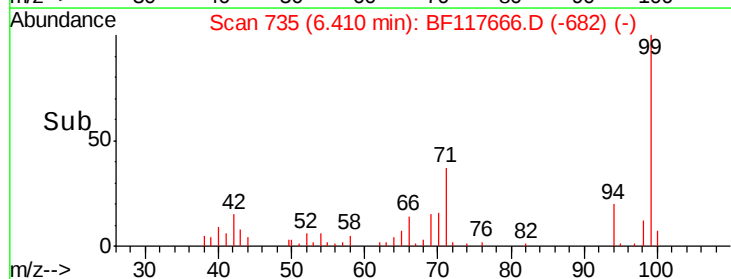
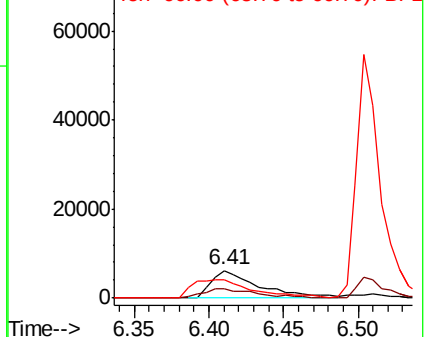
94 100

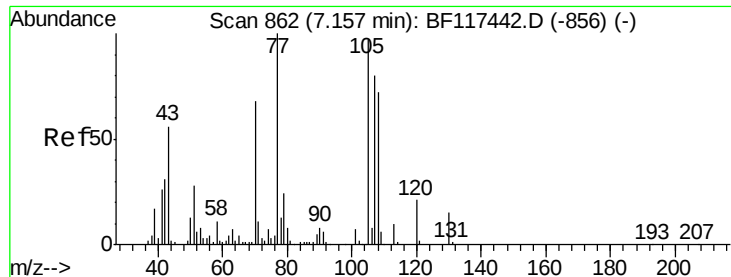
65 34.2 23.4 63.4

66 69.0 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

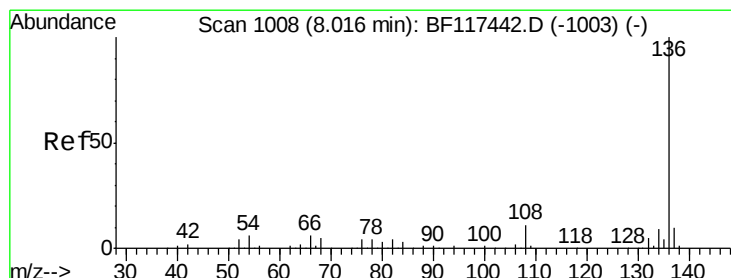
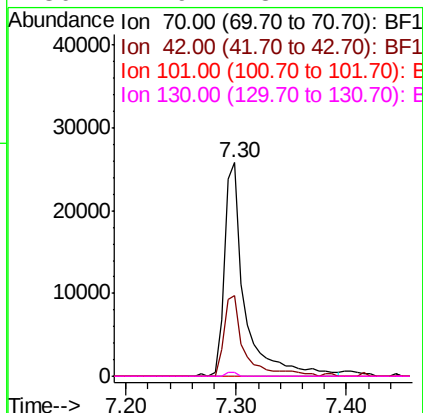
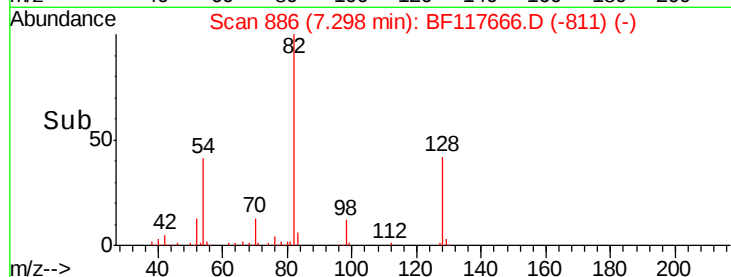
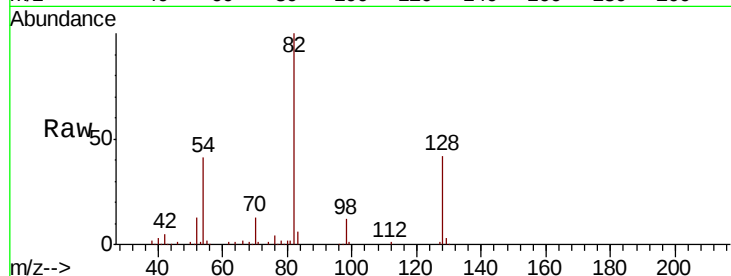




#19
n-Nitroso-di-n-propylamine
Concen: 13.839 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117666.D
Acq: 31 Oct 2019 18:52

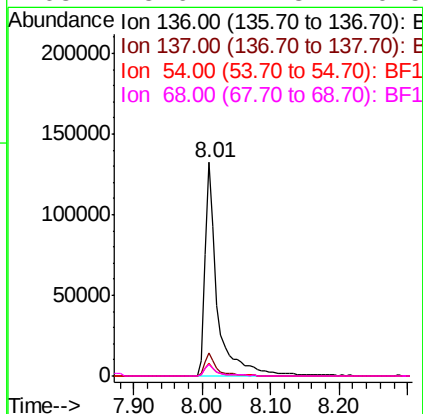
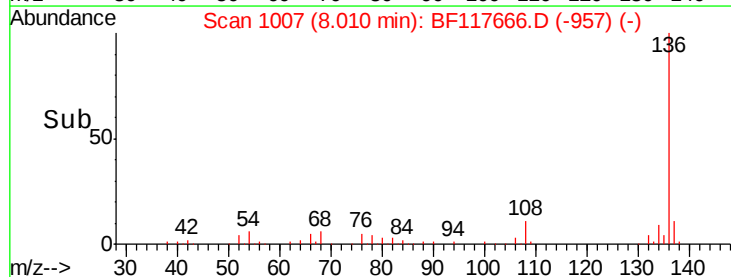
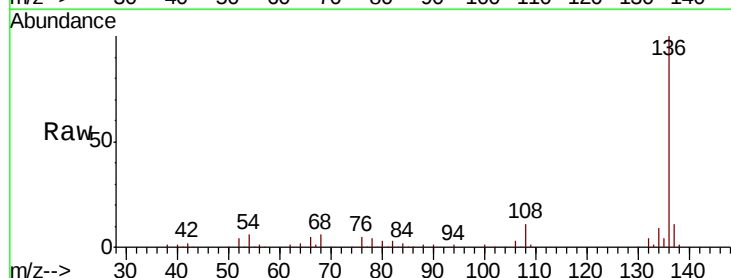
Instrument :
BNA_F
ClientSampleId :

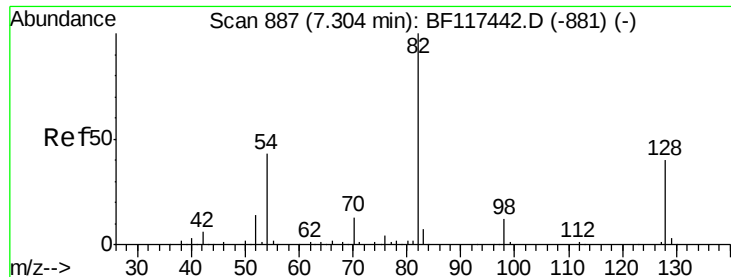
Tot Ion: 70 Resp: 33391
Ion Ratio Lower Upper
70 100
42 37.9 36.7 55.1
101 0.0 8.3 12.5#
130 1.9 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117666.D
Acq: 31 Oct 2019 18:52

Tgt Ion:136 Resp: 172015
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.4
54 6.2 4.5 6.7
68 5.6 4.3 6.5

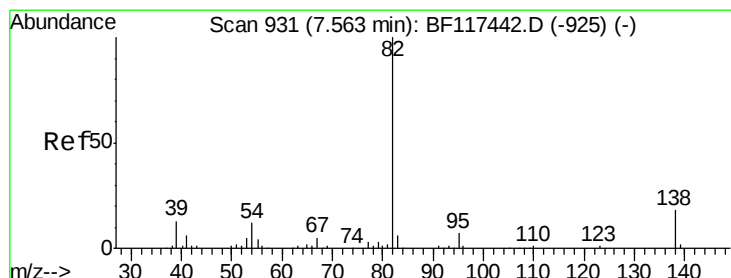
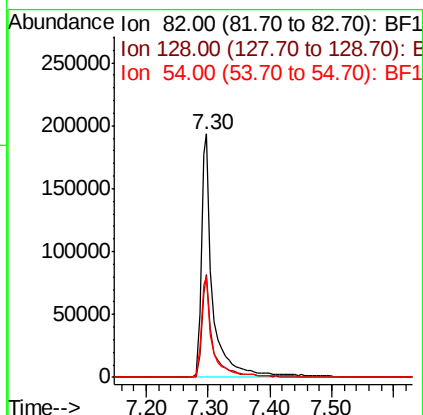
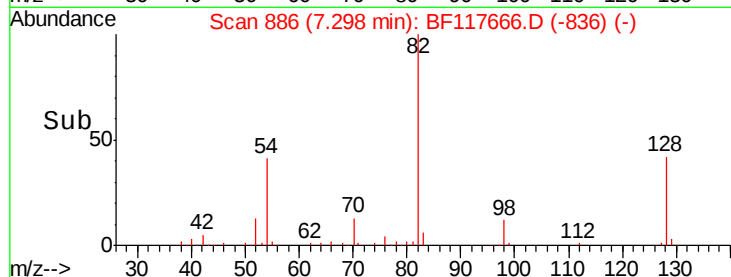
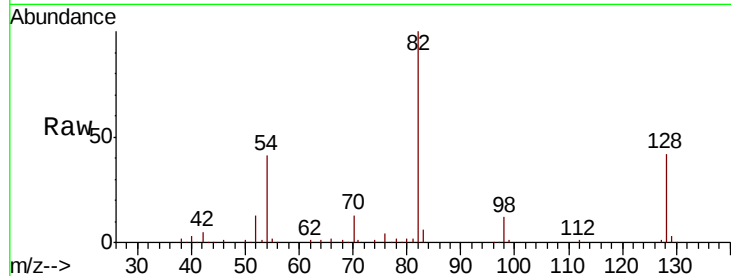




#23
 Nitrobenzene-d5
 Concen: 73.857 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF117666.D
 Acq: 31 Oct 2019 18:52

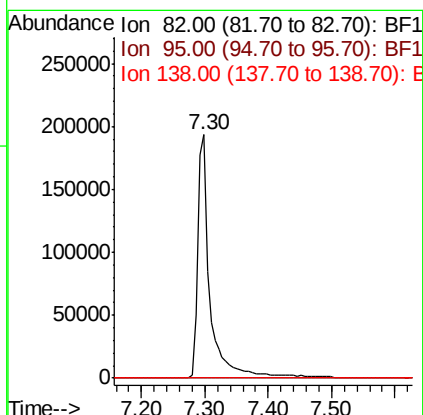
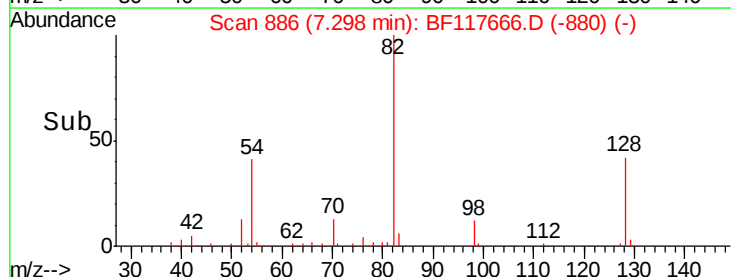
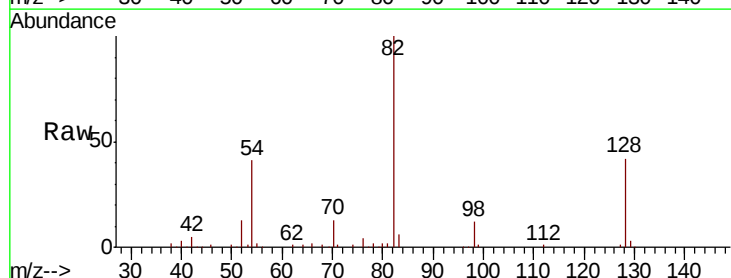
Instrument :
 BNA_F
 ClientSampleId :

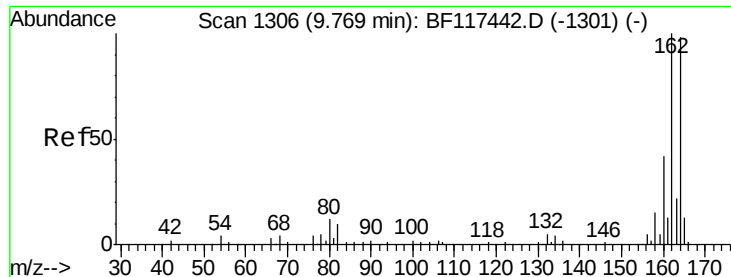
Tot Ion: 82 Resp: 257342
 Ion Ratio Lower Upper
 82 100
 128 42.2 32.2 48.2
 54 41.0 34.2 51.2



#25
 Isophorone
 Concen: 42.693 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.26 min
 Lab File: BF117666.D
 Acq: 31 Oct 2019 18:52

Tgt Ion: 82 Resp: 257341
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.0#
 138 0.0 14.2 21.2#

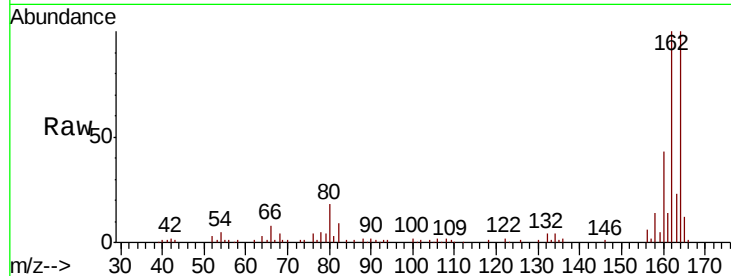




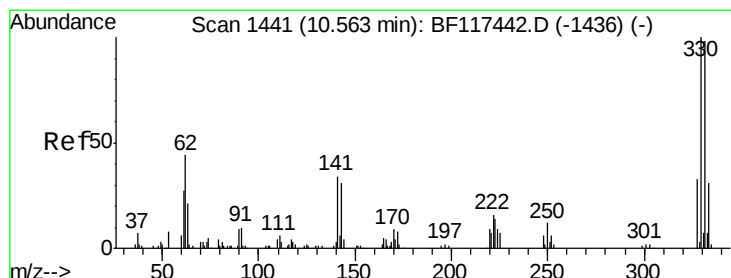
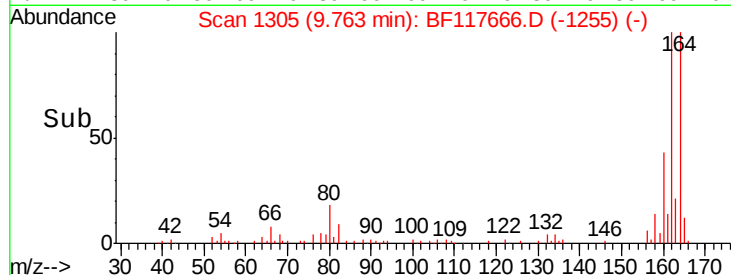
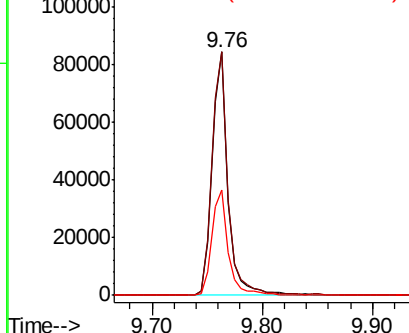
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117666.D
Acq: 31 Oct 2019 18:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 81977
Ion Ratio Lower Upper
164 100
162 99.8 81.8 122.6
160 43.3 34.4 51.6

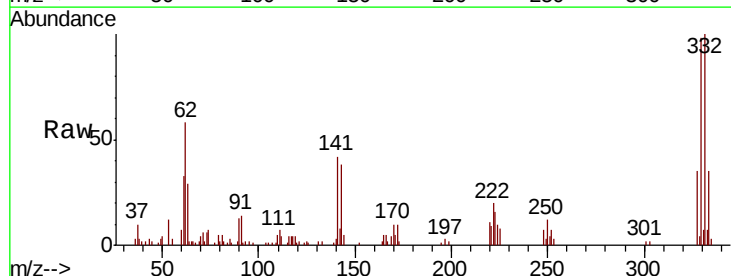


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

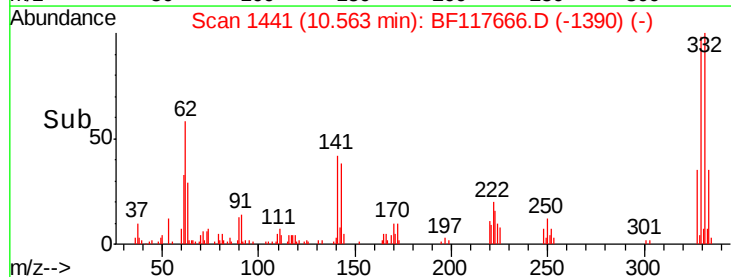
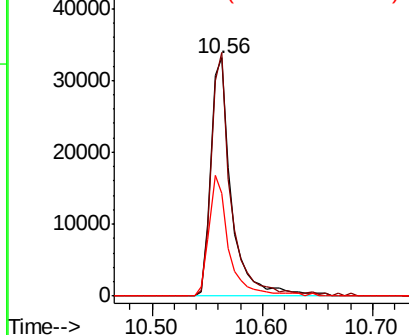


#42
2,4,6-Tribromophenol
Concen: 59.625 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BF117666.D
Acq: 31 Oct 2019 18:52

Tgt Ion:330 Resp: 42293
Ion Ratio Lower Upper
330 100
332 97.8 78.5 117.7
141 48.9 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

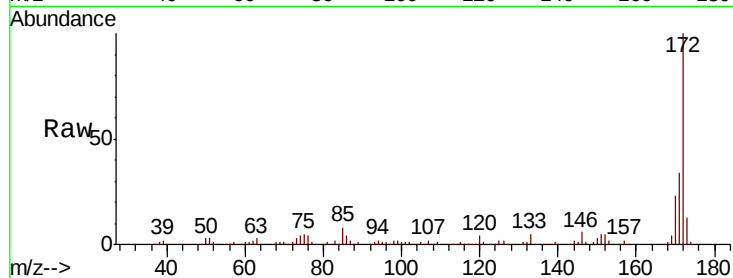




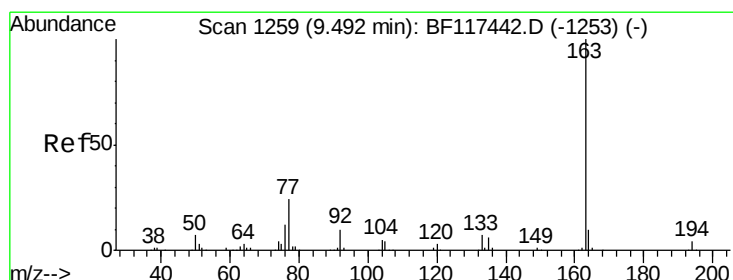
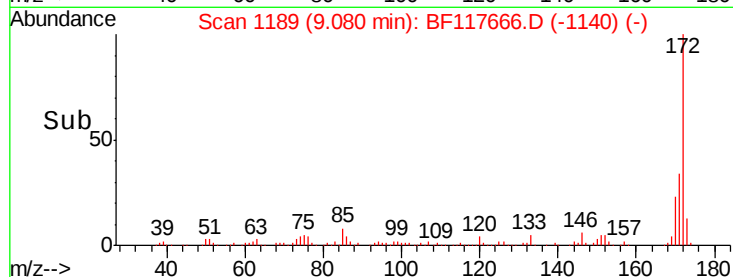
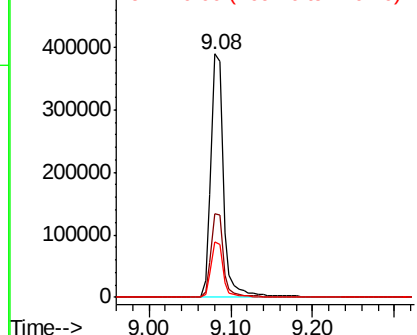
#45
 2-Fluorobiphenyl
 Concen: 72.219 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117666.D
 Acq: 31 Oct 2019 18:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 420182
 Ion Ratio Lower Upper
 172 100
 171 34.3 27.5 41.3
 170 22.6 18.6 27.8

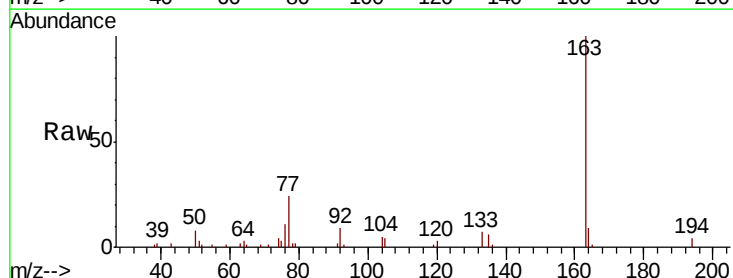


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

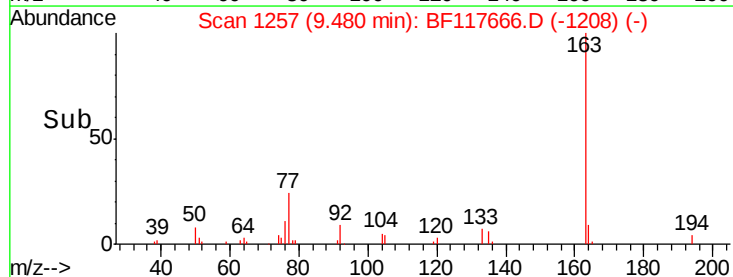
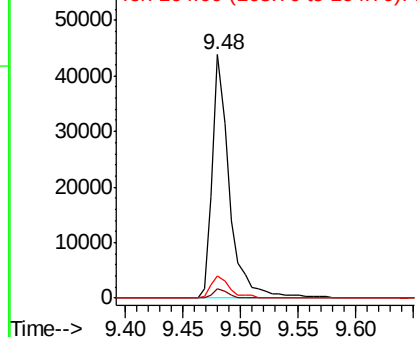


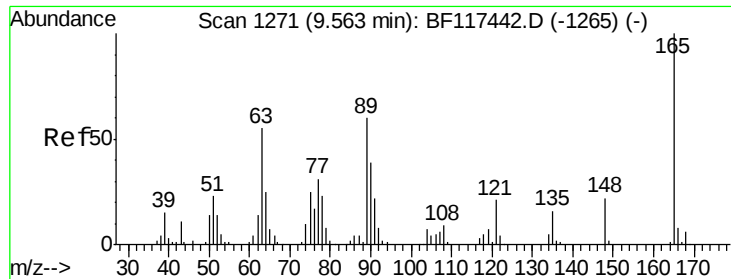
#50
 Dimethylphthalate
 Concen: 7.804 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: BF117666.D
 Acq: 31 Oct 2019 18:52

Tgt Ion:163 Resp: 45608
 Ion Ratio Lower Upper
 163 100
 194 3.6 2.9 4.3
 164 9.3 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

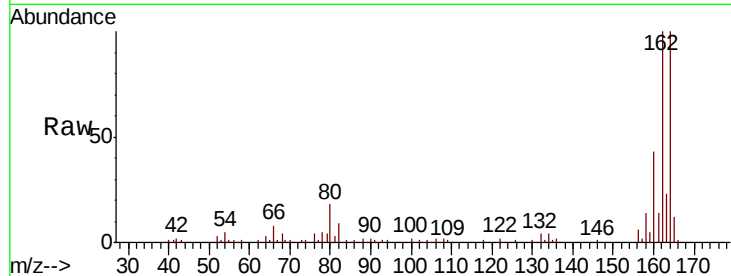




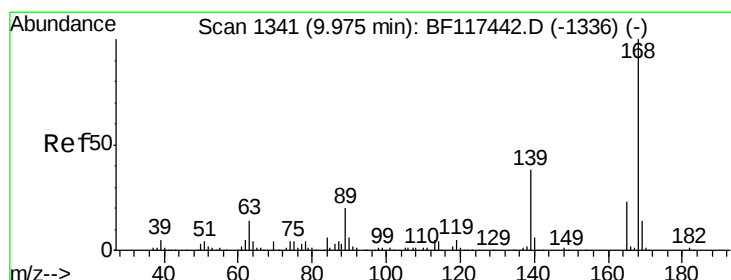
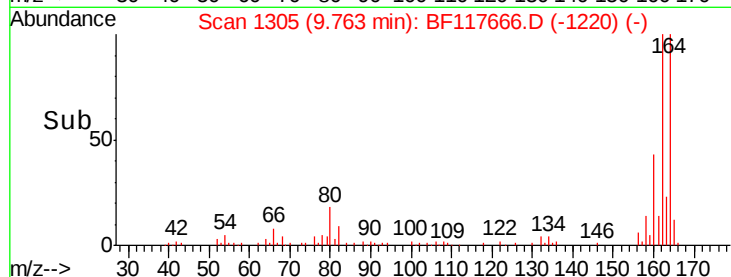
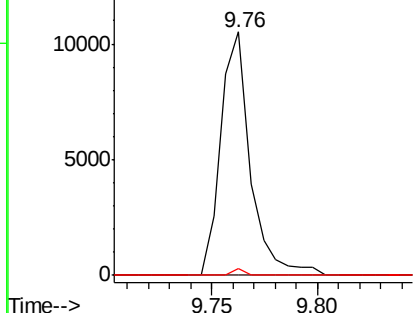
#51
 2,6-Dinitrotoluene
 Concen: 8.407 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF117666.D
 Acq: 31 Oct 2019 18:52

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	2.9	47.6	71.4#



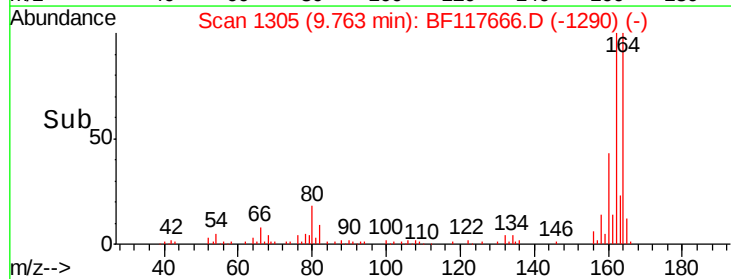
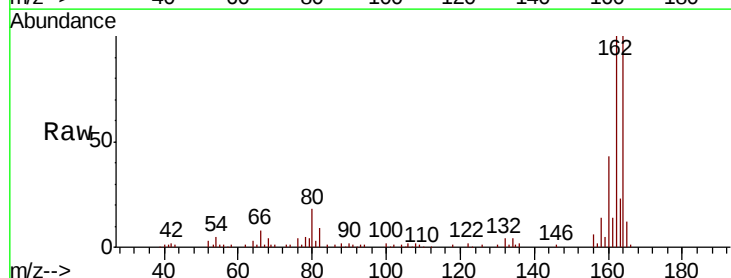
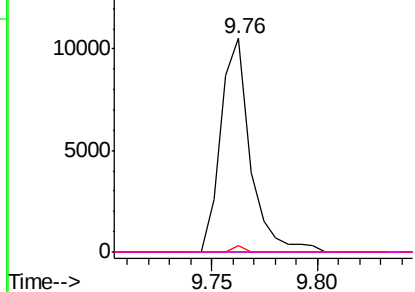
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

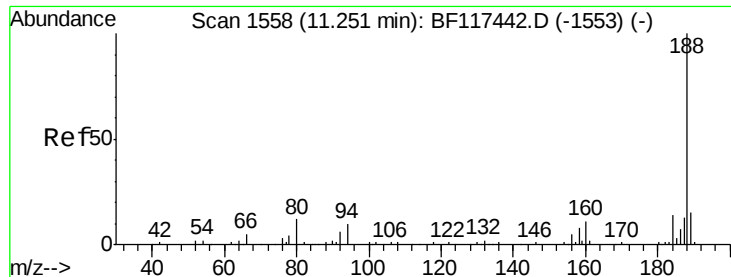


#57
 2,4-Dinitrotoluene
 Concen: 6.324 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117666.D
 Acq: 31 Oct 2019 18:52

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.4	77.0#
89	2.9	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: BF117666.D

Acq: 31 Oct 2019 18:52

Instrument :

BNA_F

ClientSampleId :

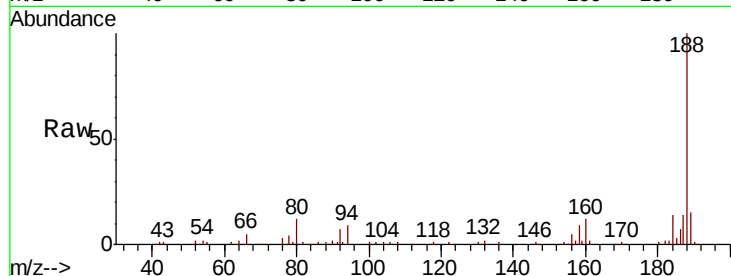
Tot Ion:188 Resp: 111477

Ion Ratio Lower Upper

188 100

94 9.4 8.0 12.0

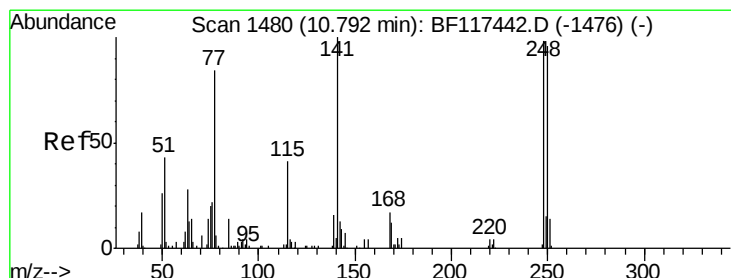
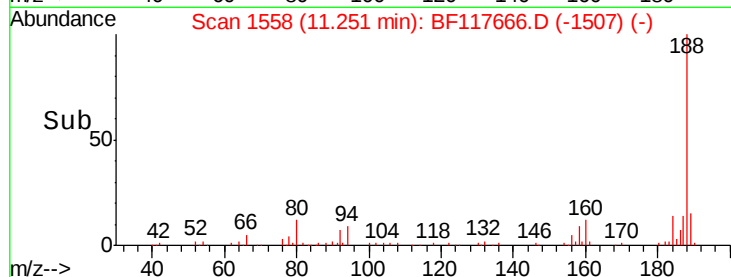
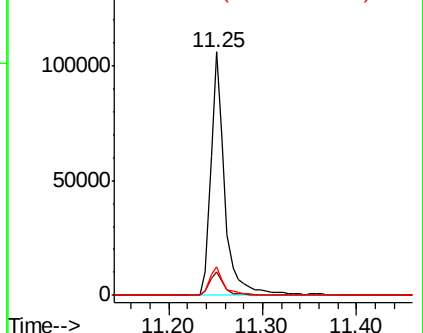
80 11.9 9.5 14.3



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: 2.289 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117666.D

Acq: 31 Oct 2019 18:52

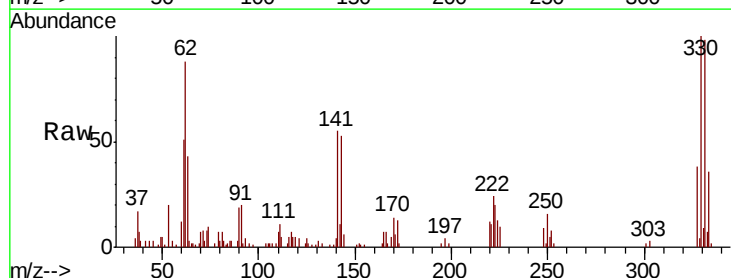
Tgt Ion:248 Resp: 2749

Ion Ratio Lower Upper

248 100

250 181.9 78.0 117.0#

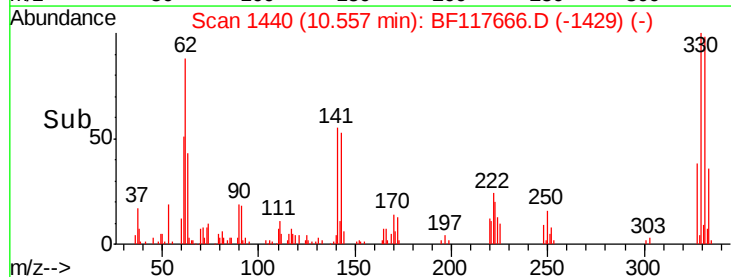
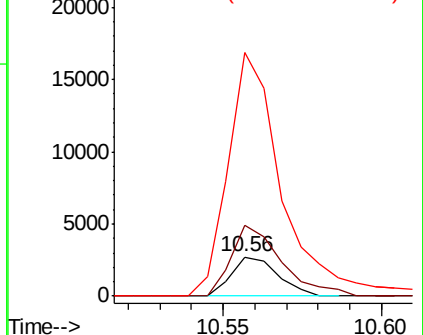
141 624.0 81.7 122.5#

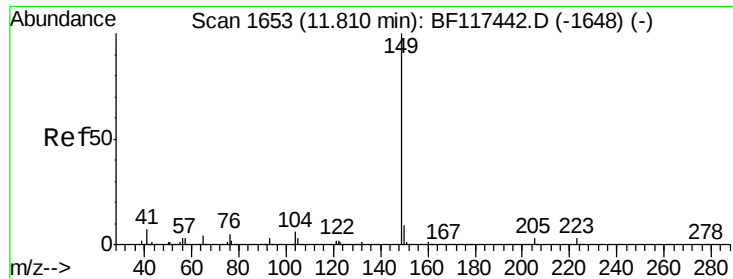


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Di-n-butylphthalate

Concen: 4.751 ng

RT: 11.80 min Scan# 1652

Delta R.T. -0.01 min

Lab File: BF117666.D

Acq: 31 Oct 2019 18:52

Instrument :

BNA_F

ClientSampleId :

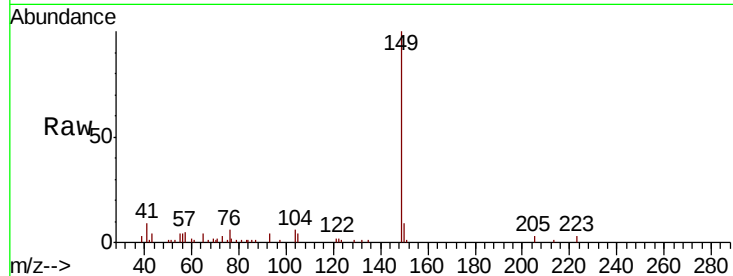
Tot Ion:149 Resp: 38530

Ion Ratio Lower Upper

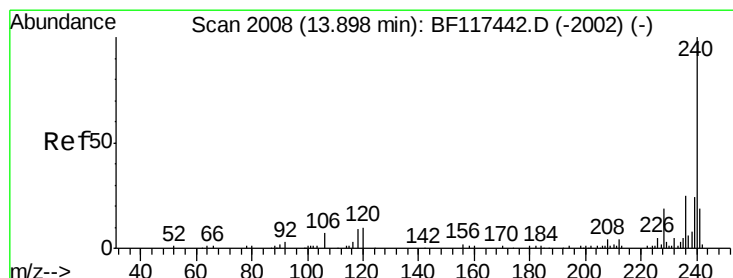
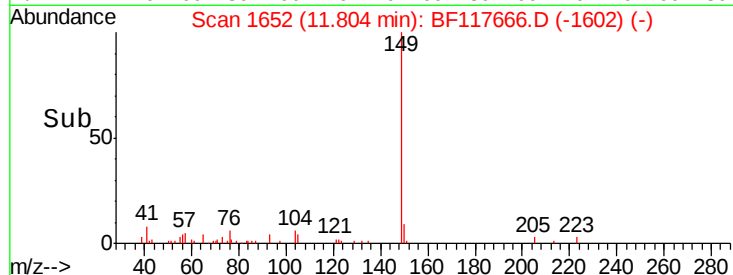
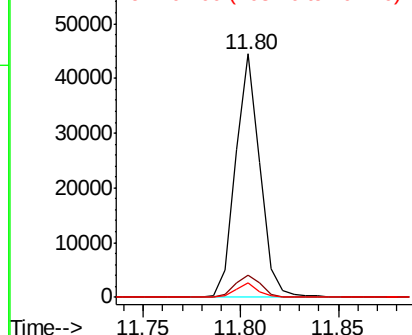
149 100

150 8.9 7.5 11.3

104 5.9 4.6 6.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF117666.D

Acq: 31 Oct 2019 18:52

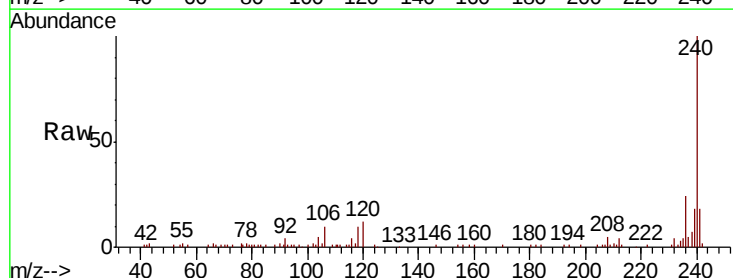
Tgt Ion:240 Resp: 72276

Ion Ratio Lower Upper

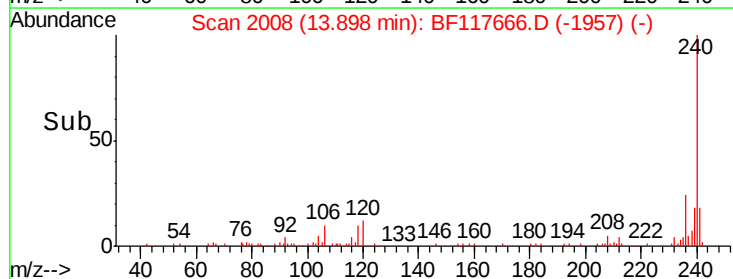
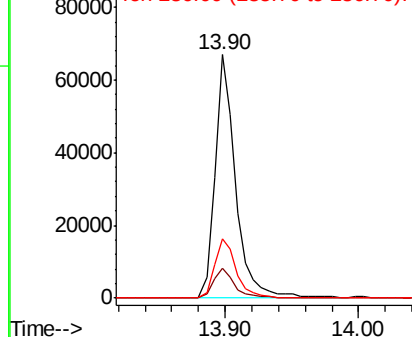
240 100

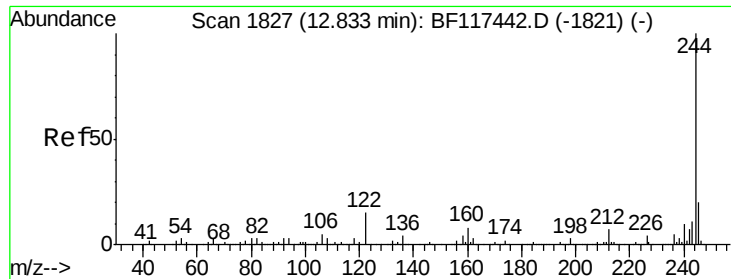
120 12.5 8.4 12.6

236 24.3 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: 66.061 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF117666.D

Acq: 31 Oct 2019 18:52

Instrument :

BNA_F

ClientSampleId :

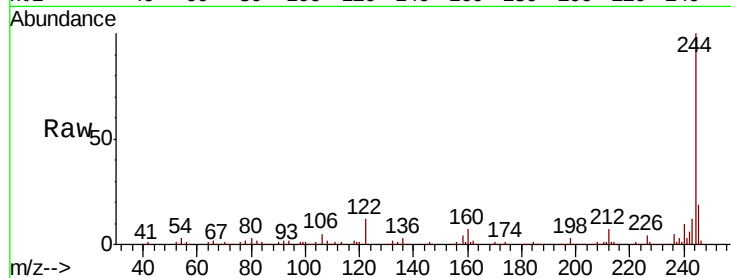
Tot Ion:244 Resp: 292723

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

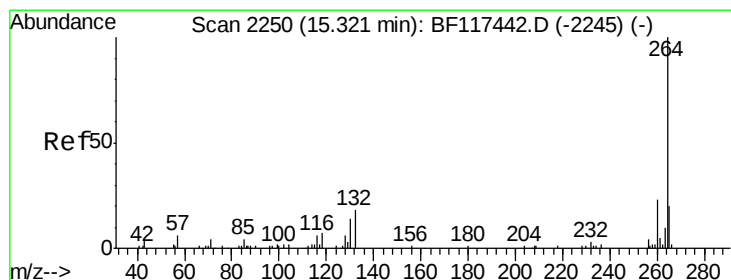
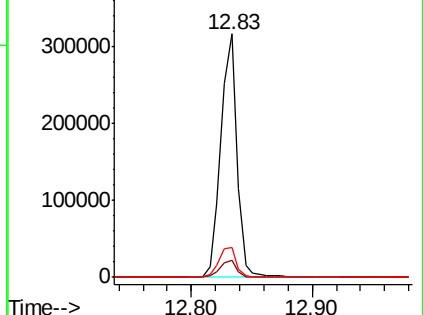
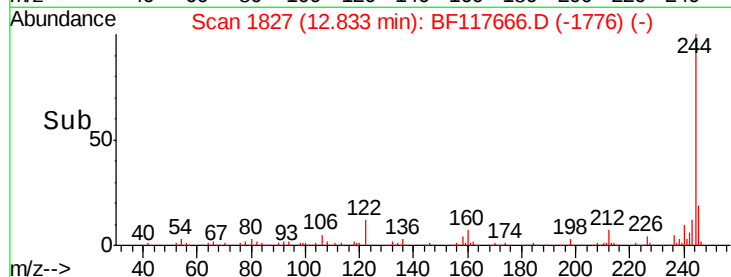
122 12.3 11.8 17.8



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: 15.34 min Scan# 2253

Delta R.T. 0.02 min

Lab File: BF117666.D

Acq: 31 Oct 2019 18:52

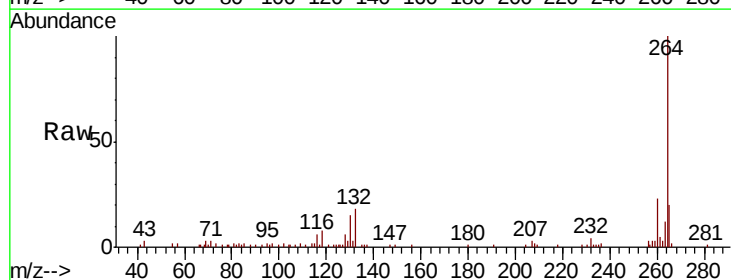
Tgt Ion:264 Resp: 68906

Ion Ratio Lower Upper

264 100

260 23.1 18.4 27.6

265 19.7 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

