

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\
 Data File : BF117662.D
 Acq On : 31 Oct 2019 17:05
 Operator : JU
 Sample : K5541-19
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 01:21:45 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	35000	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	143020	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	69174	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	103364	20.00	ng	0.00
76) Chrysene-d12	13.90	240	65012	20.00	ng	0.00
87) Perylene-d12	15.34	264	58493	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	192603	81.87	ng	0.00
7) Phenol-d6	6.39	99	274472	86.86	ng	0.00
23) Nitrobenzene-d5	7.30	82	162849	56.21	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	42690	71.32	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	256081	52.16	ng	-0.01
79) Terphenyl-d14	12.83	244	194413	48.78	ng	0.00

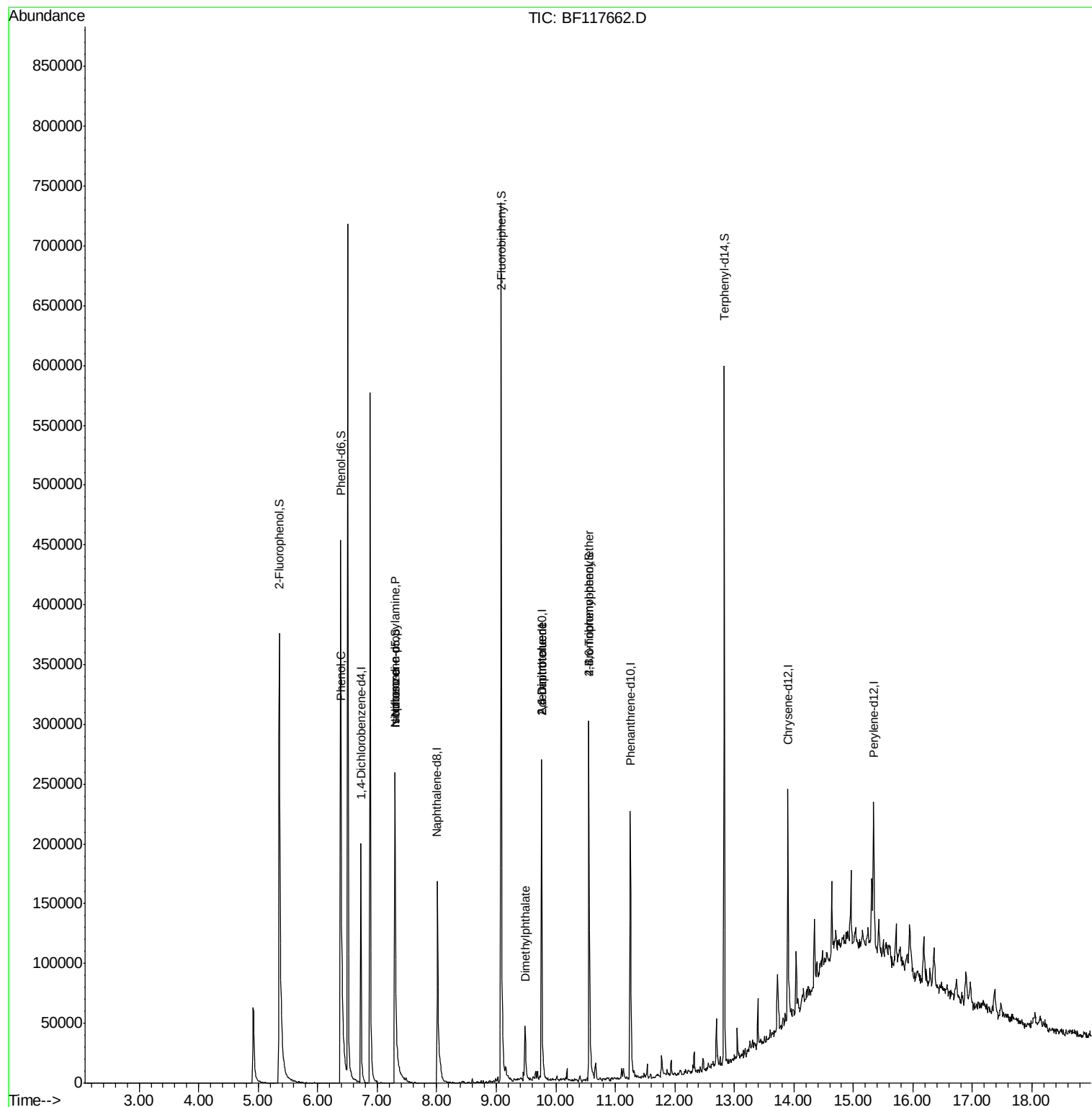
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.40	94	6635	2.057	ng	# 48
19) n-Nitroso-di-n-propylamine	7.30	70	19138	9.917	ng	# 78
25) Isophorone	7.30	82	162847	32.494	ng	# 65
50) Dimethylphthalate	9.49	163	25744	5.220	ng	# 98
51) 2,6-Dinitrotoluene	9.76	165	8373	8.137	ng	# 22
57) 2,4-Dinitrotoluene	9.76	165	8373	6.120	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	2446	2.197	ng	# 1
77) Benzidine	12.83	184	2754	Below Cal		# 87

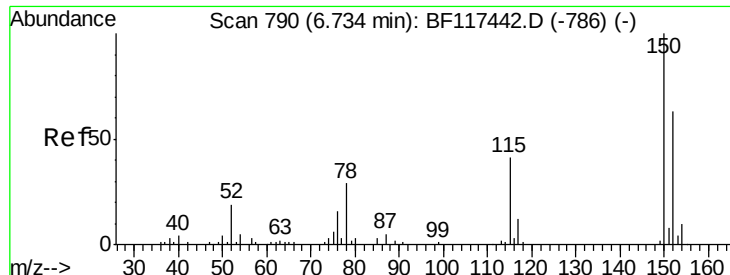
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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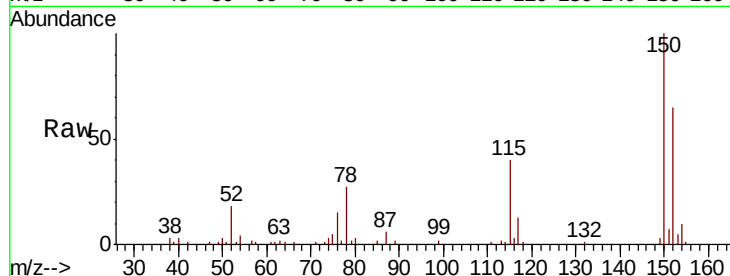


#1

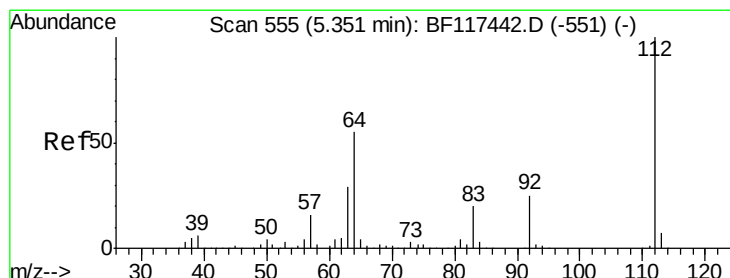
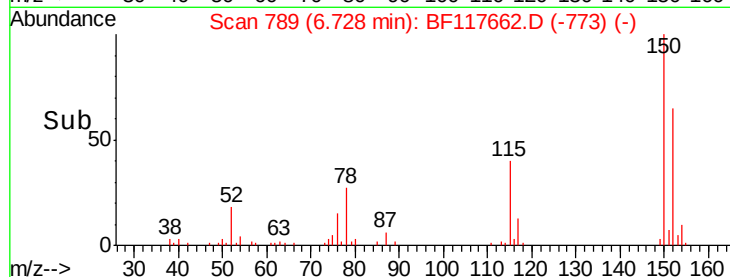
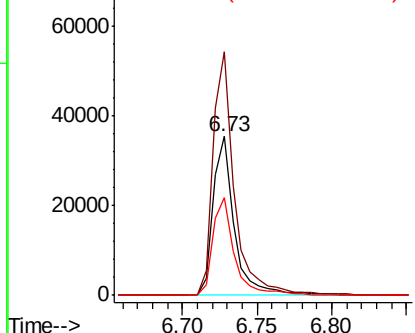
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117662.D
Acq: 31 Oct 2019 17:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	126.8	190.2
115	61.7	51.6	77.4



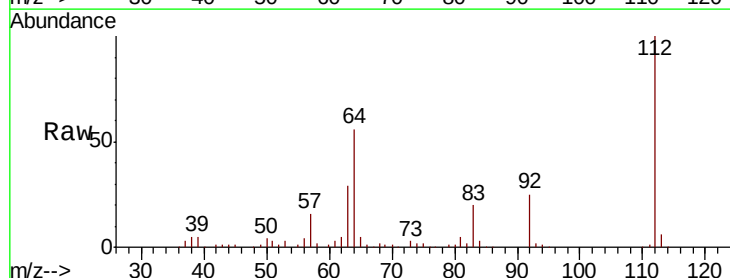
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



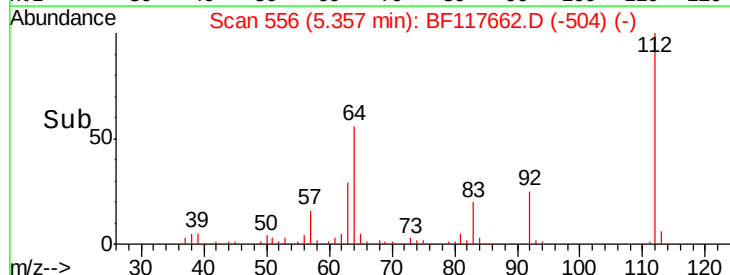
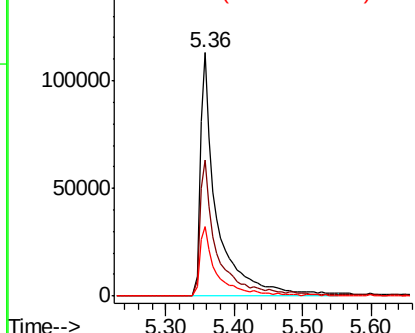
#5

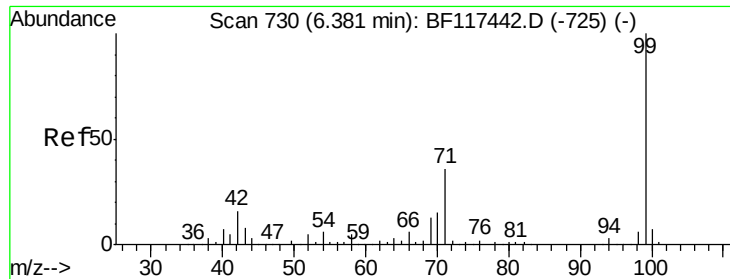
2-Fluorophenol
Concen: 81.868 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117662.D
Acq: 31 Oct 2019 17:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	44.1	66.1
63	28.5	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: 86.863 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117662.D

Acq: 31 Oct 2019 17:05

Instrument :

BNA_F

ClientSampleId :

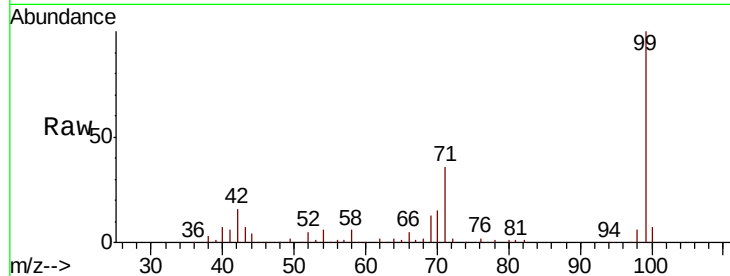
Tot Ion: 99 Resp: 274472

Ion Ratio Lower Upper

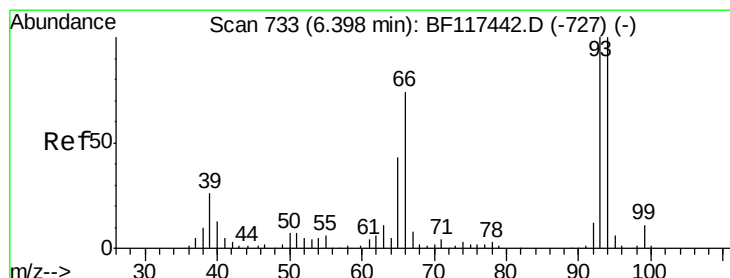
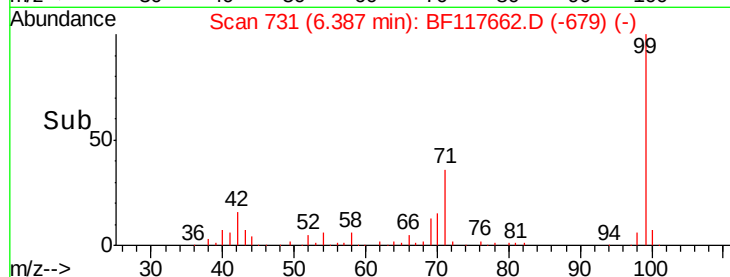
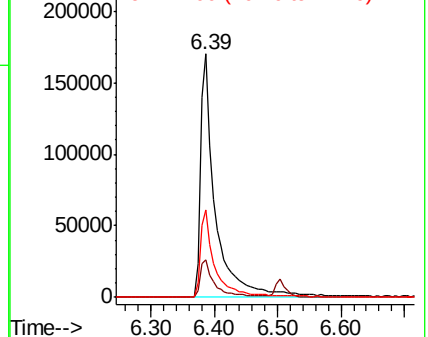
99 100

42 15.6 12.8 19.2

71 35.9 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: 2.057 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117662.D

Acq: 31 Oct 2019 17:05

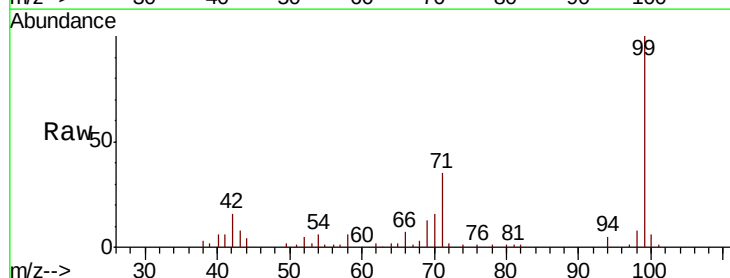
Tgt Ion: 94 Resp: 6635

Ion Ratio Lower Upper

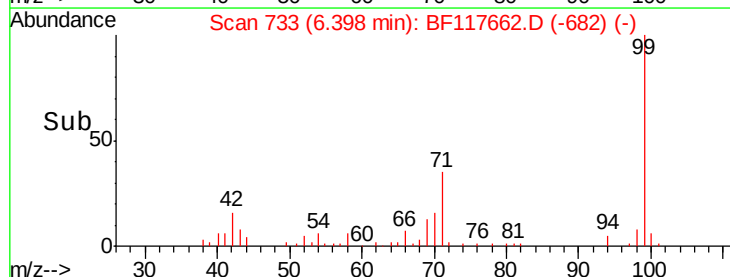
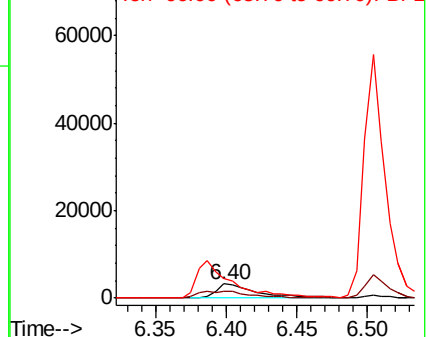
94 100

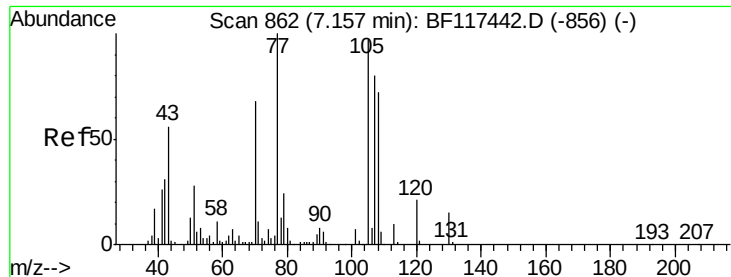
65 47.9 23.4 63.4

66 140.9 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

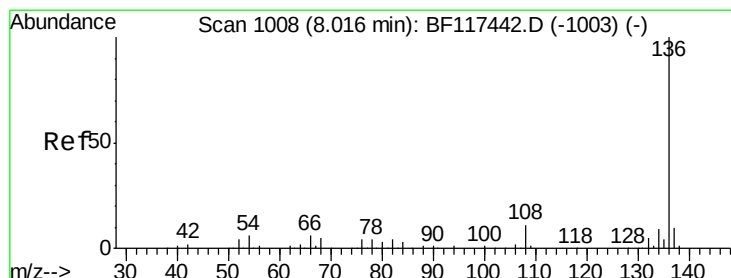
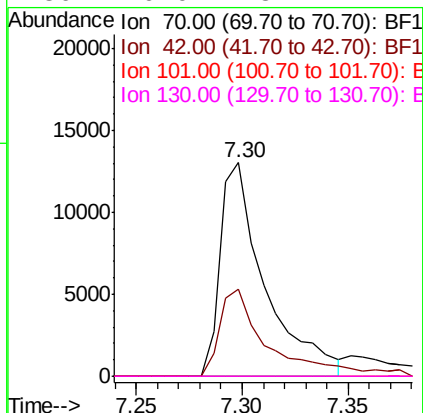
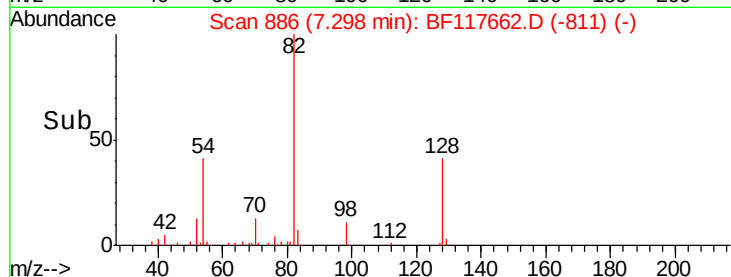
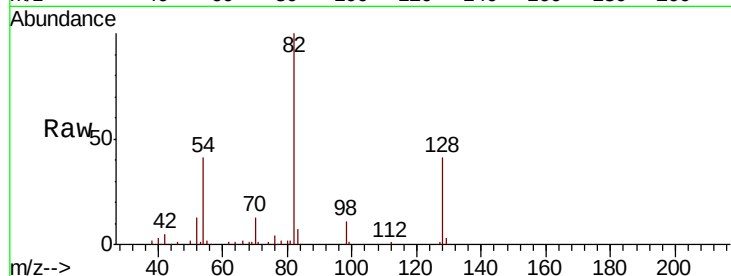




#19
n-Nitroso-di-n-propylamine
Concen: 9.917 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117662.D
Acq: 31 Oct 2019 17:05

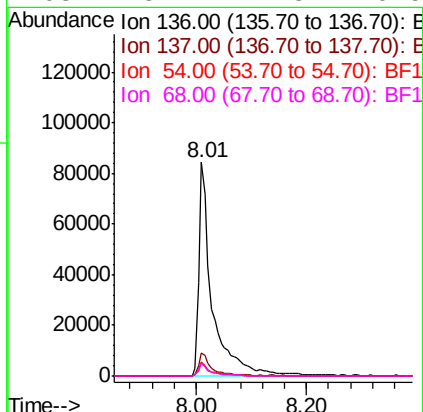
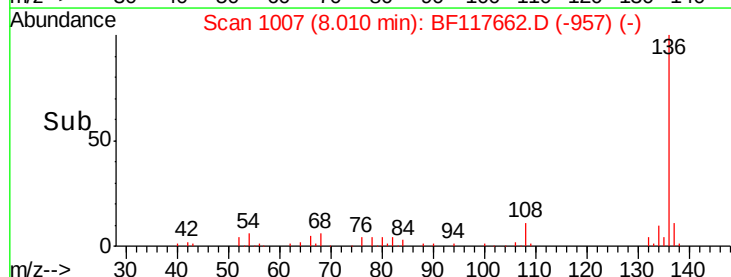
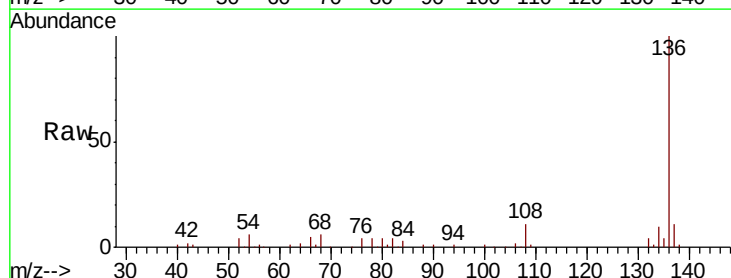
Instrument :
BNA_F
ClientSampleId :

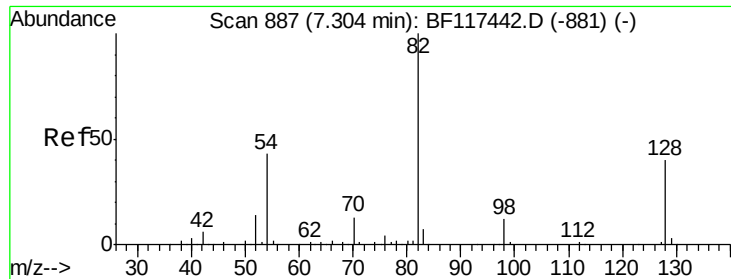
Tot Ion: 70 Resp: 19138
Ion Ratio Lower Upper
70 100
42 40.8 36.7 55.1
101 0.0 8.3 12.5#
130 0.0 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117662.D
Acq: 31 Oct 2019 17:05

Tgt Ion:136 Resp: 143020
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.4
54 6.5 4.5 6.7
68 5.7 4.3 6.5

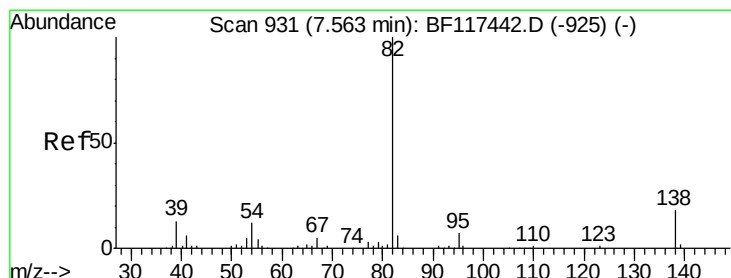
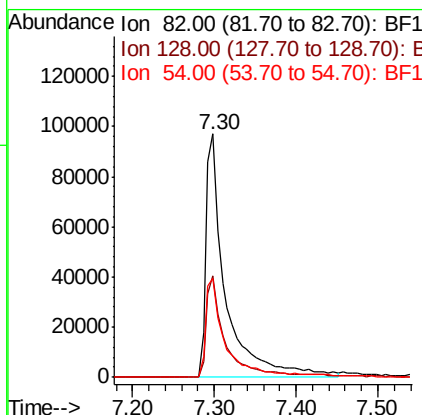
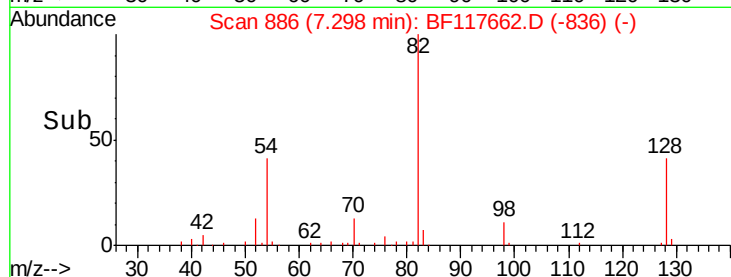
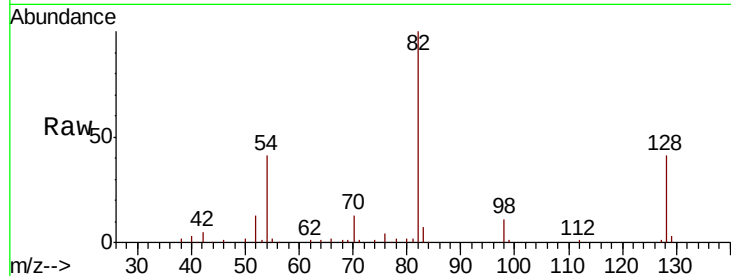




#23
 Nitrobenzene-d5
 Concen: 56.212 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF117662.D
 Acq: 31 Oct 2019 17:05

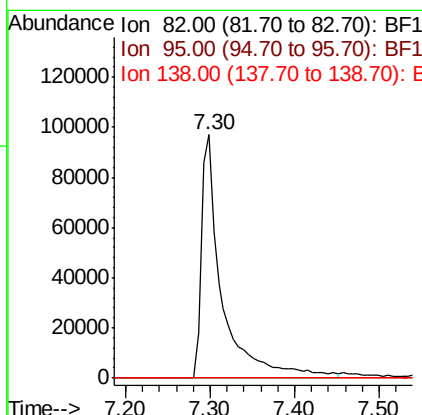
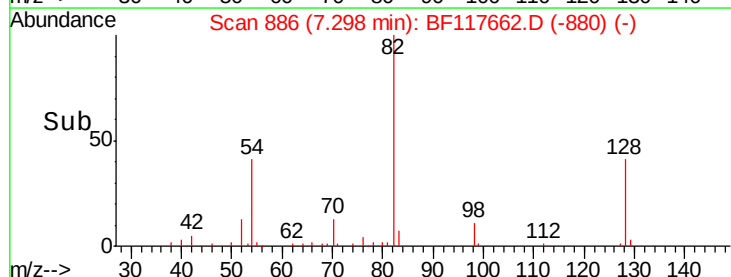
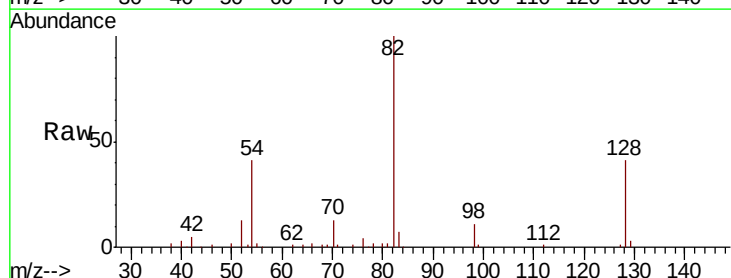
Instrument :
 BNA_F
 ClientSampleId :

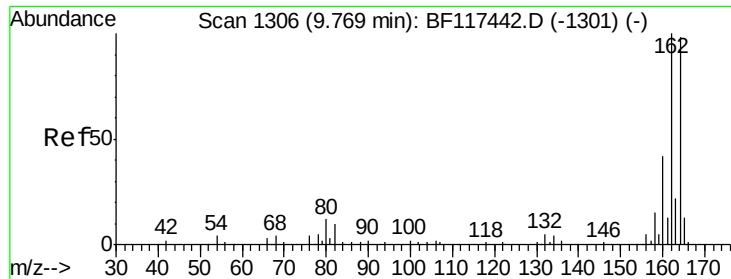
Tot Ion	82	Resp	162849
Ion Ratio	Lower	Upper	
82	100		
128	41.5	32.2	48.2
54	40.8	34.2	51.2



#25
 Isophorone
 Concen: 32.494 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.26 min
 Lab File: BF117662.D
 Acq: 31 Oct 2019 17:05

Tgt Ion	82	Resp	162847
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#

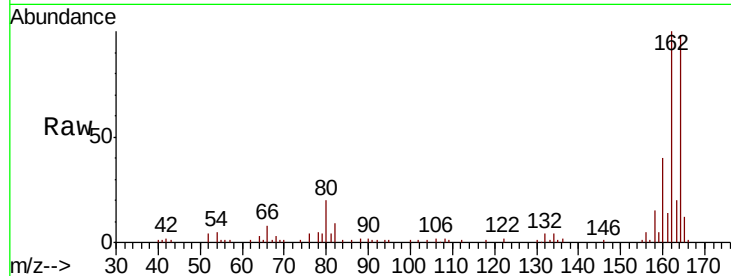




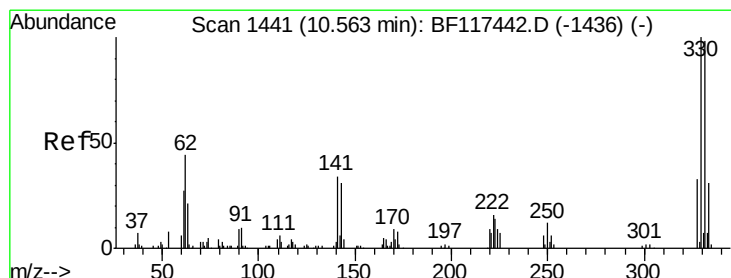
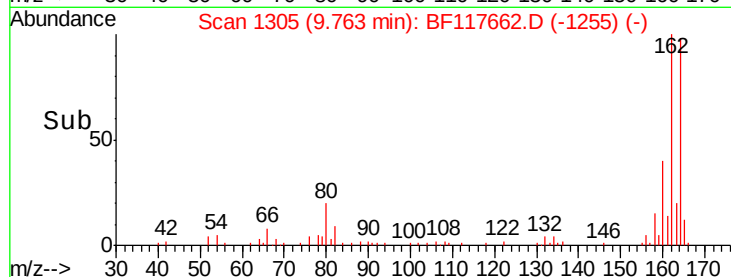
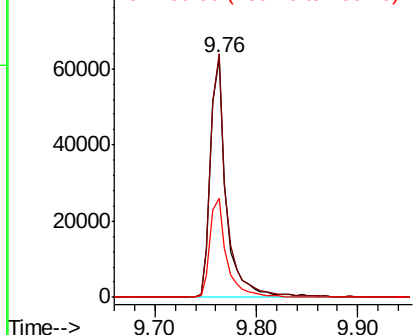
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117662.D
Acq: 31 Oct 2019 17:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 69174
Ion Ratio Lower Upper
164 100
162 101.9 81.8 122.6
160 41.2 34.4 51.6

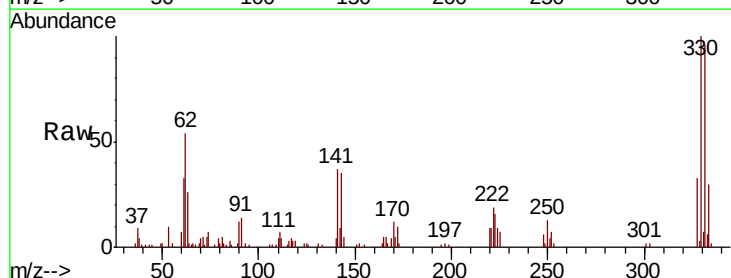


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

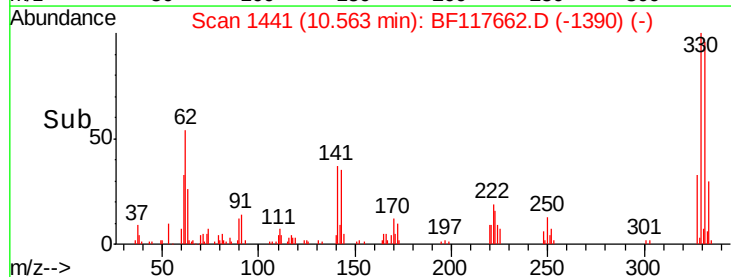
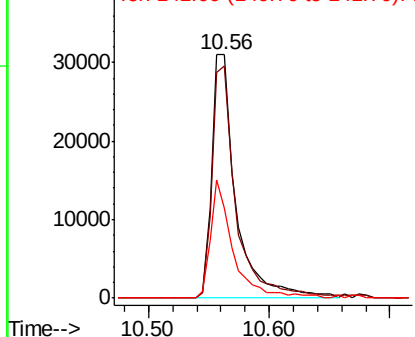


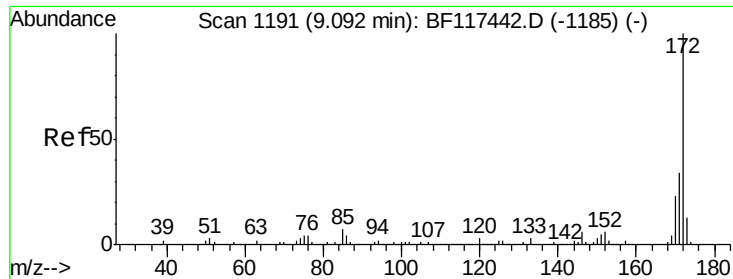
#42
2,4,6-Tribromophenol
Concen: 71.324 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BF117662.D
Acq: 31 Oct 2019 17:05

Tgt Ion:330 Resp: 42690
Ion Ratio Lower Upper
330 100
332 95.1 78.5 117.7
141 44.9 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

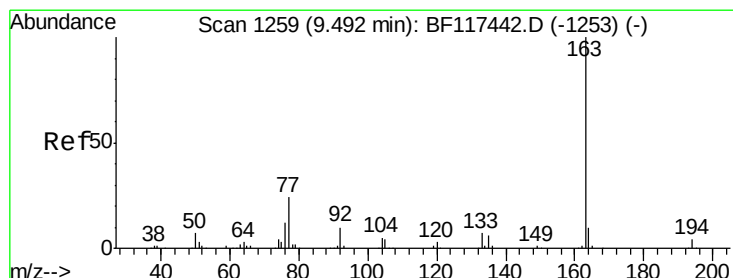
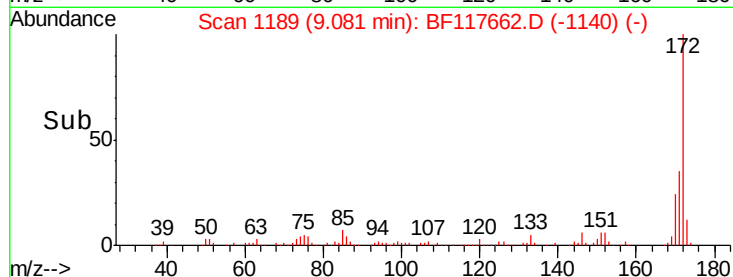
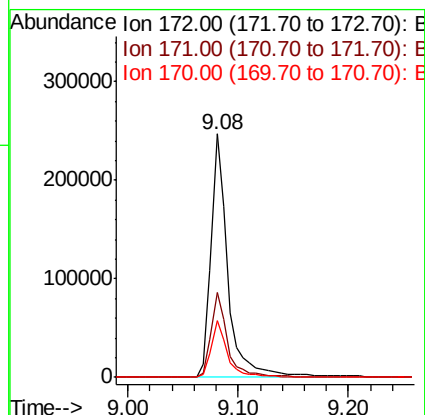
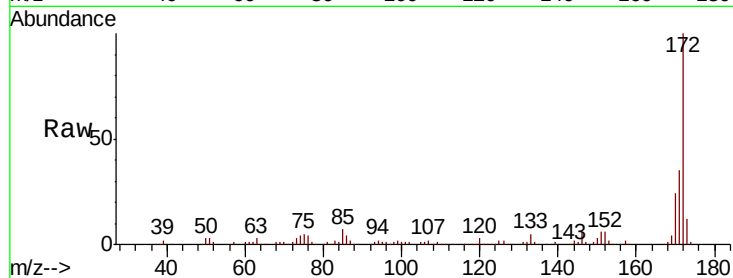




#45
2-Fluorobiphenyl
Concen: 52.161 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117662.D
Acq: 31 Oct 2019 17:05

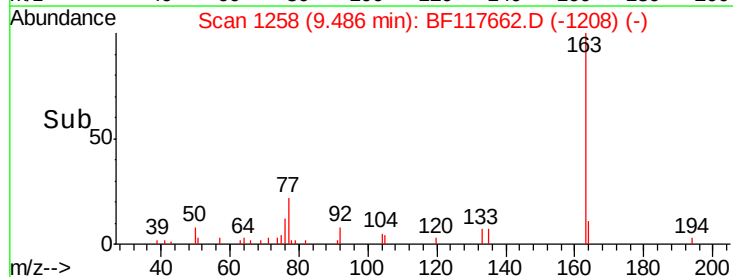
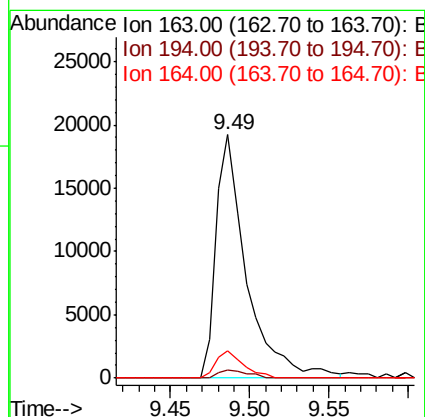
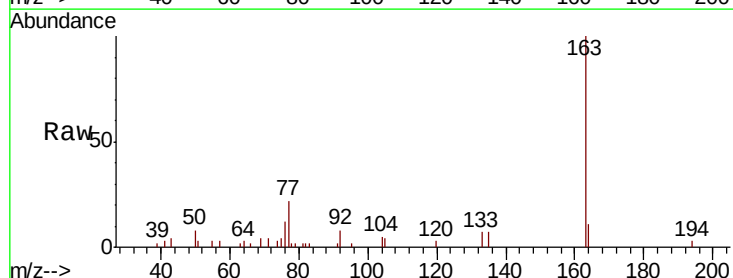
Instrument :
BNA_F
ClientSampleId :

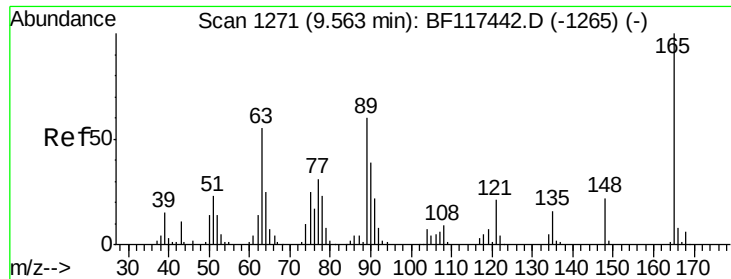
Tot Ion:172 Resp: 256081
Ion Ratio Lower Upper
172 100
171 34.8 27.5 41.3
170 23.6 18.6 27.8



#50
Dimethylphthalate
Concen: 5.220 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF117662.D
Acq: 31 Oct 2019 17:05

Tgt Ion:163 Resp: 25744
Ion Ratio Lower Upper
163 100
194 3.2 2.9 4.3
164 11.3 8.2 12.2

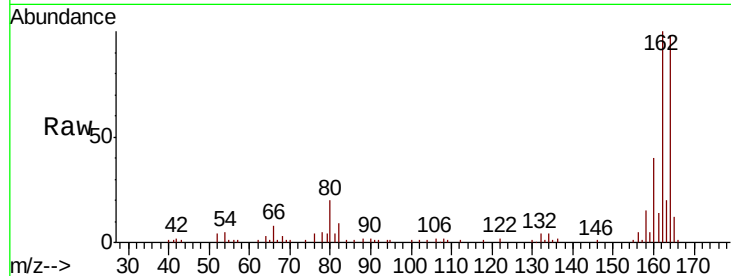




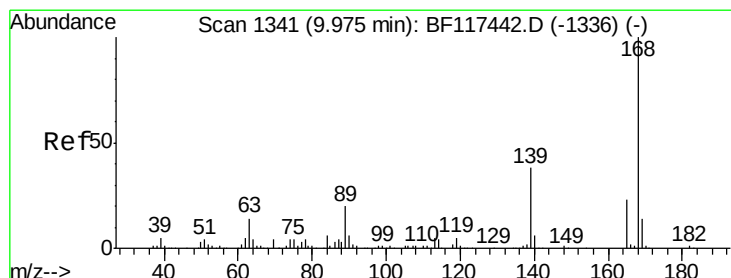
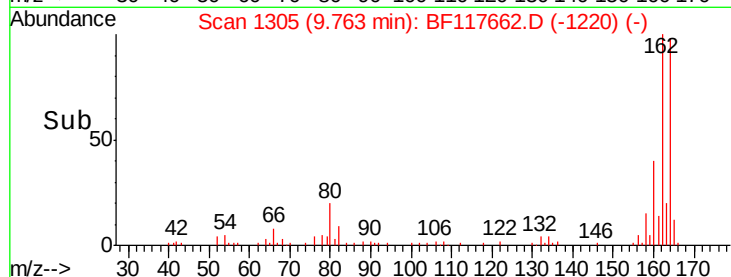
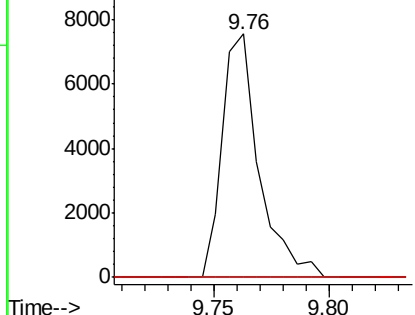
#51
 2,6-Dinitrotoluene
 Concen: 8.137 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF117662.D
 Acq: 31 Oct 2019 17:05

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#

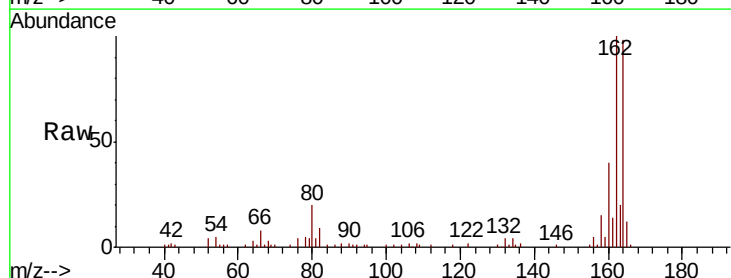


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

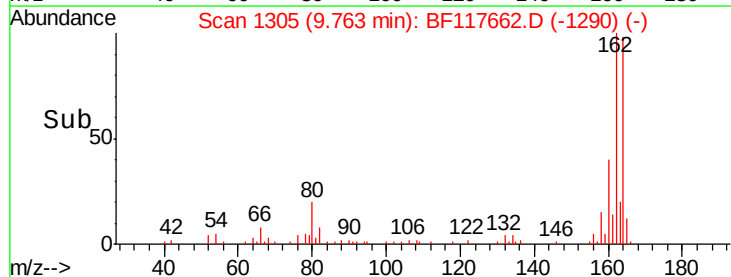
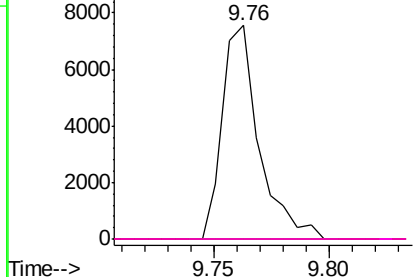


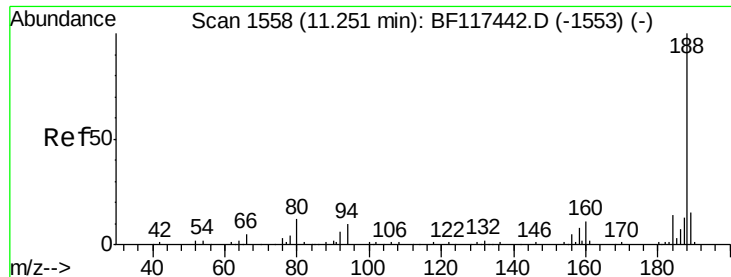
#57
 2,4-Dinitrotoluene
 Concen: 6.120 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117662.D
 Acq: 31 Oct 2019 17:05

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# 1558

Delta R.T. -0.00 min

Lab File: BF117662.D

Acq: 31 Oct 2019 17:05

Instrument :

BNA_F

ClientSampled :

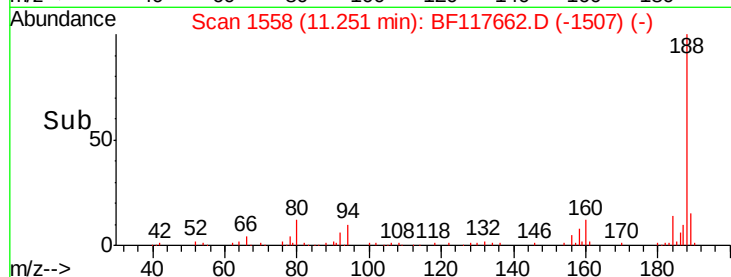
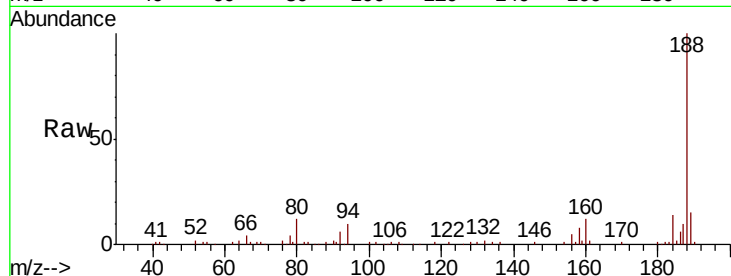
Tot Ion:188 Resp: 103364

Ion Ratio Lower Upper

188 100

94 9.6 8.0 12.0

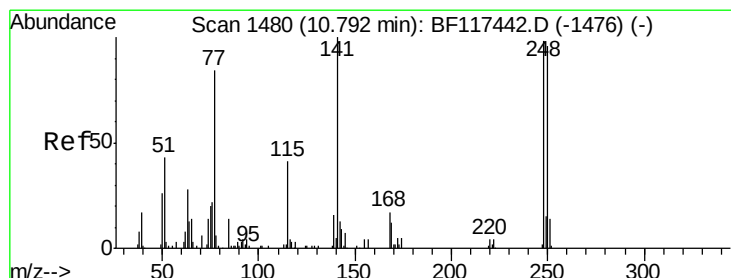
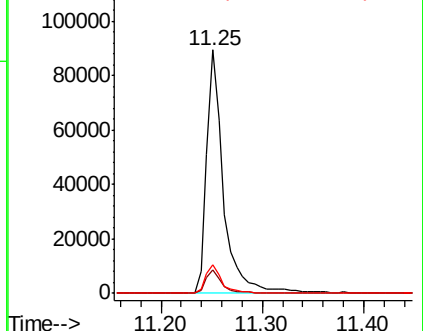
80 11.9 9.5 14.3



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: 2.197 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117662.D

Acq: 31 Oct 2019 17:05

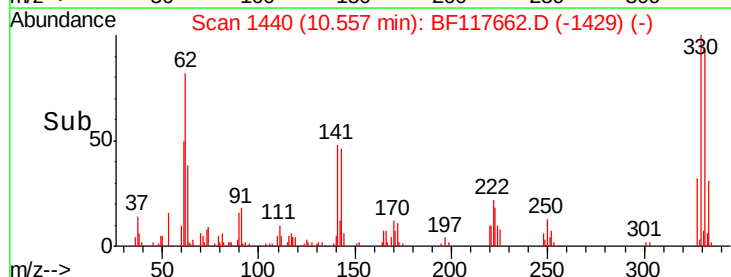
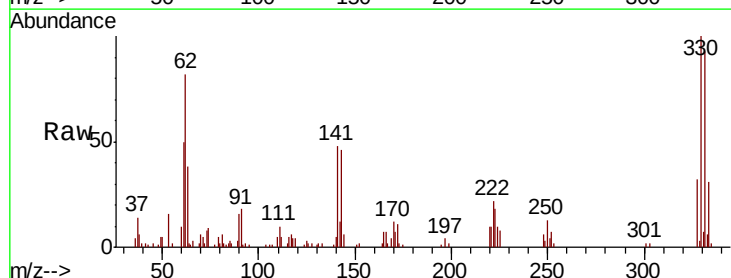
Tgt Ion:248 Resp: 2446

Ion Ratio Lower Upper

248 100

250 211.4 78.0 117.0#

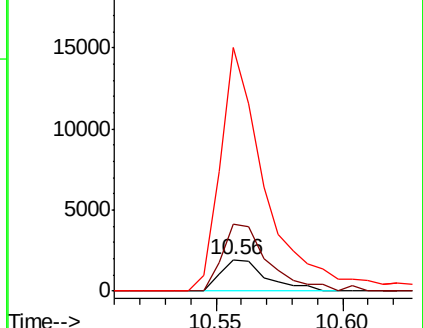
141 771.3 81.7 122.5#

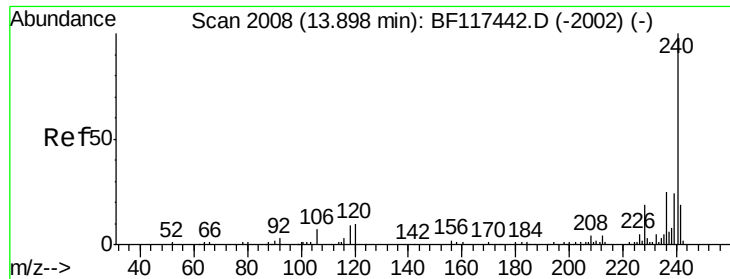


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

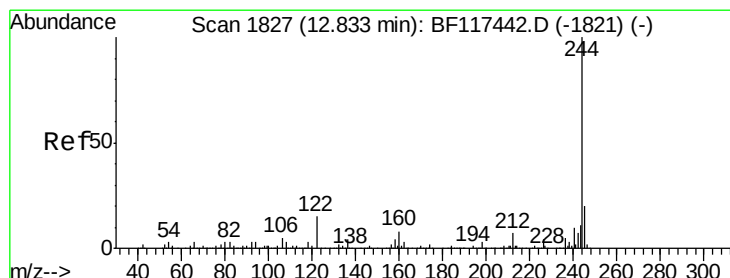
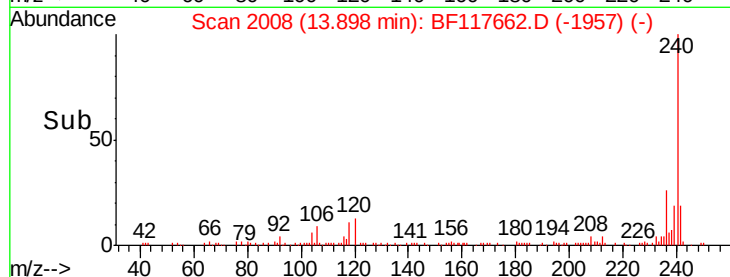
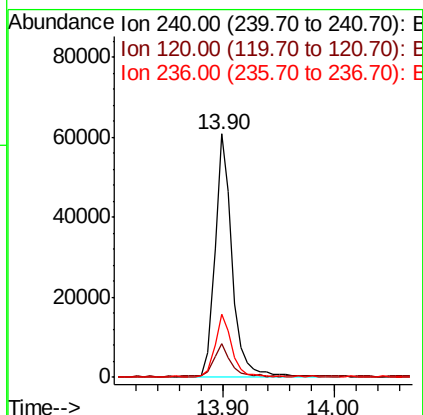
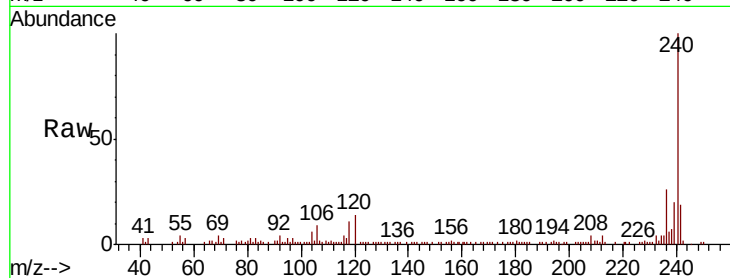




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF117662.D
Acq: 31 Oct 2019 17:05

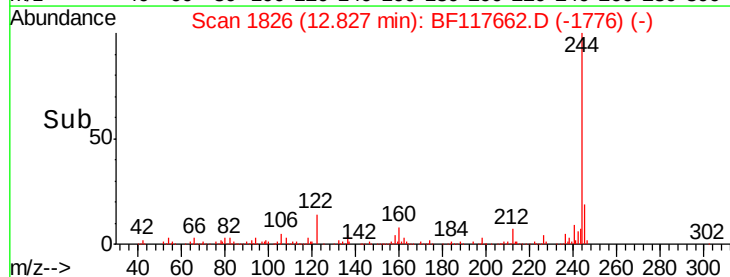
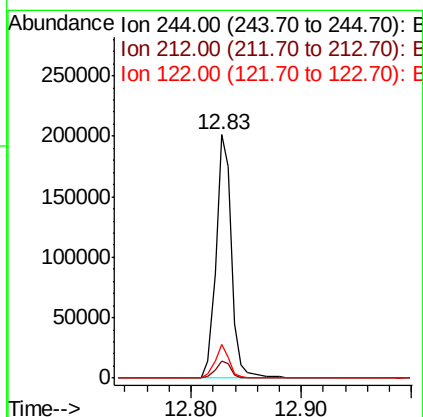
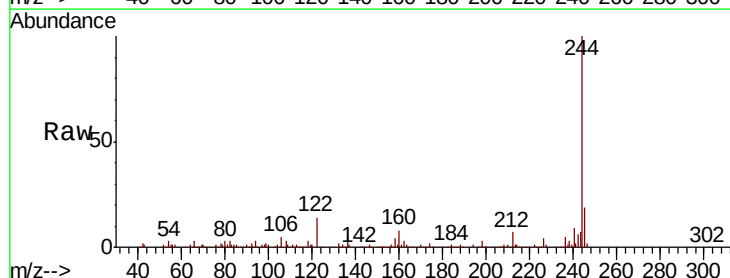
Instrument :
BNA_F
ClientSampleId :

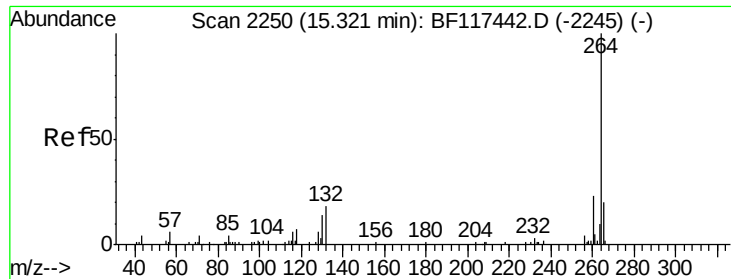
Tot Ion:240 Resp: 65012
Ion Ratio Lower Upper
240 100
120 13.6 8.4 12.6#
236 25.7 20.0 30.0



#79
Terphenyl-d14
Concen: 48.777 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117662.D
Acq: 31 Oct 2019 17:05

Tgt Ion:244 Resp: 194413
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 13.6 11.8 17.8

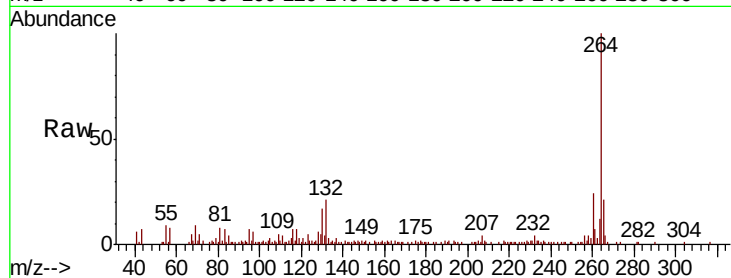




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.34 min Scan# 2253
 Delta R.T. 0.02 min
 Lab File: BF117662.D
 Acq: 31 Oct 2019 17:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.4	27.6
265	21.4	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

