

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
 Data File : BF117466.D
 Acq On : 21 Oct 2019 23:48
 Operator : JU
 Sample : K5447-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 01:57:29 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	39467	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	161020	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	82690	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	136049	20.00	ng	0.00
76) Chrysene-d12	13.89	240	114779	20.00	ng	-0.01
87) Perylene-d12	15.32	264	111238	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	236414	89.12	ng	0.00
7) Phenol-d6	6.37	99	318237	89.31	ng	0.00
23) Nitrobenzene-d5	7.30	82	193667	59.38	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	63509	88.76	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	352552	60.07	ng	0.00
79) Terphenyl-d14	12.83	244	361120	51.32	ng	0.00

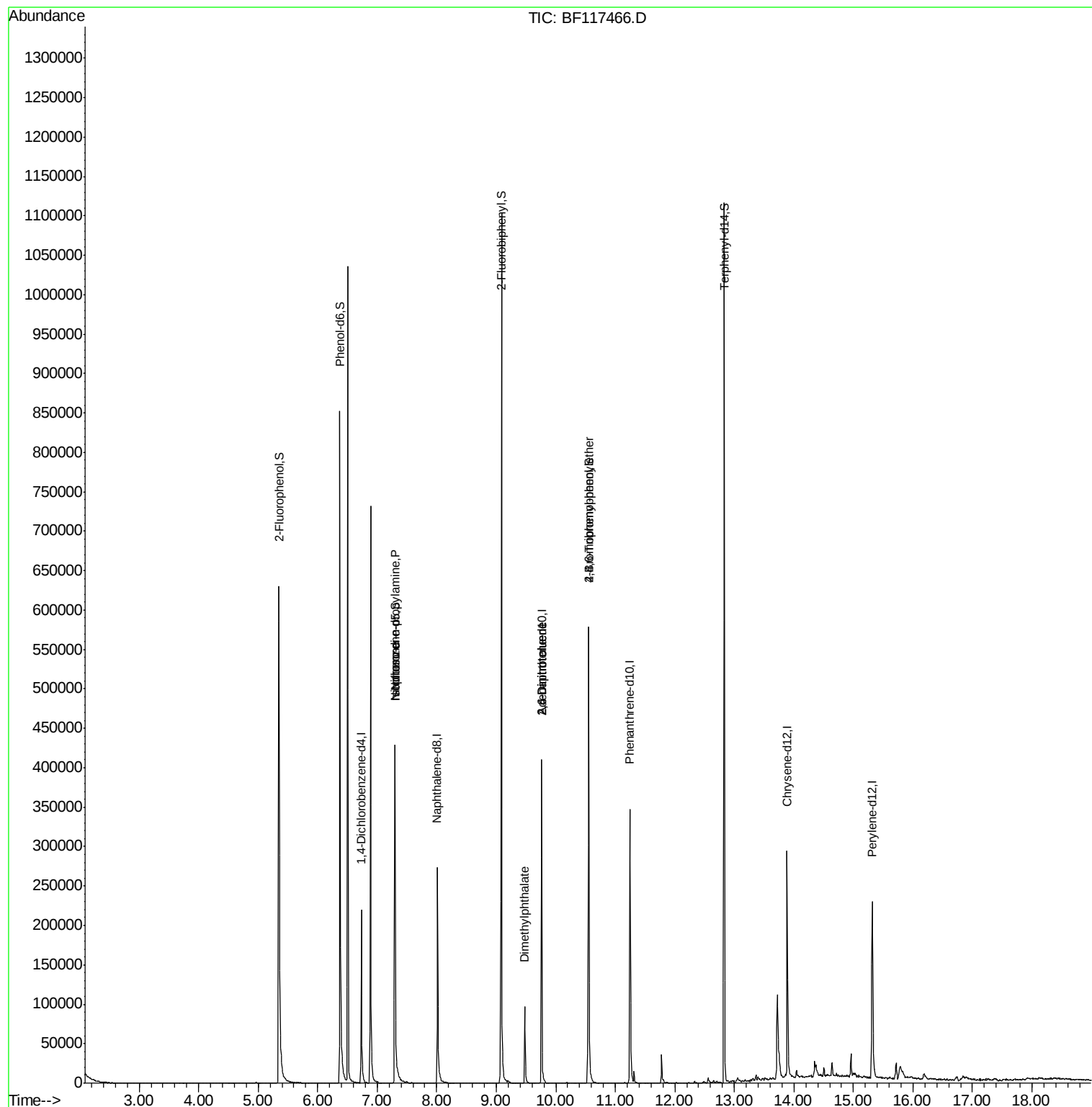
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	25899	11.902	ng	# 79
25) Isophorone	7.30	82	193664	34.323	ng	# 65
50) Dimethylphthalate	9.48	163	42065	7.136	ng	# 99
51) 2,6-Dinitrotoluene	9.76	165	10524	8.555	ng	# 22
57) 2,4-Dinitrotoluene	9.76	165	10524	6.435	ng	# 12
67) 4-Bromophenyl-phenylether	10.55	248	4162	2.840	ng	# 1
77) Benzidine	12.83	184	5197	Below Cal		# 93

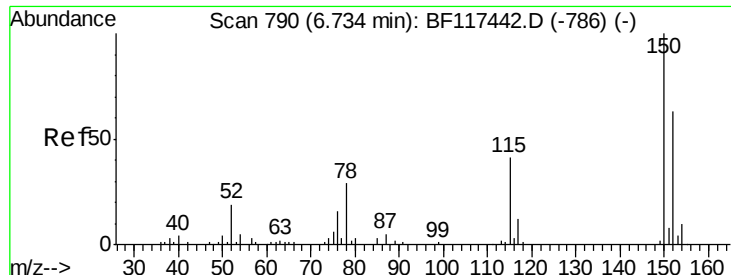
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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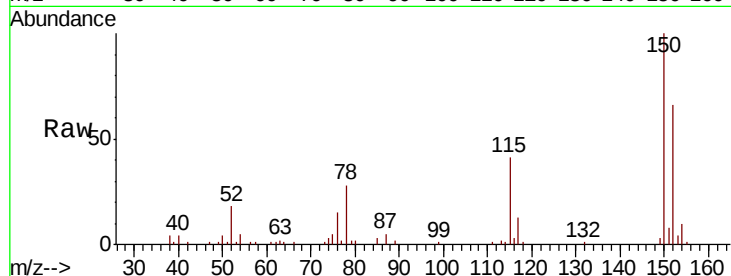


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: BF117466.D
 Acq: 21 Oct 2019 23:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	126.8	190.2
115	61.8	51.6	77.4

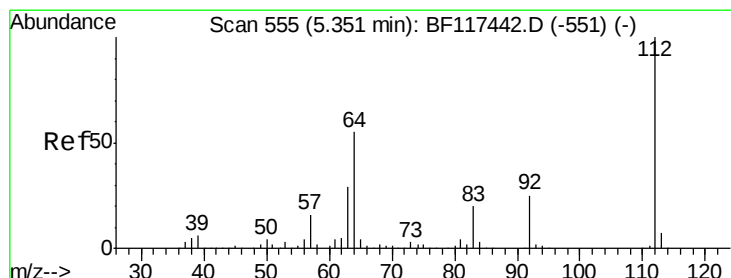
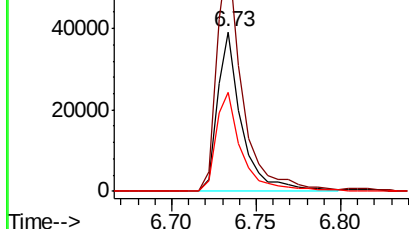
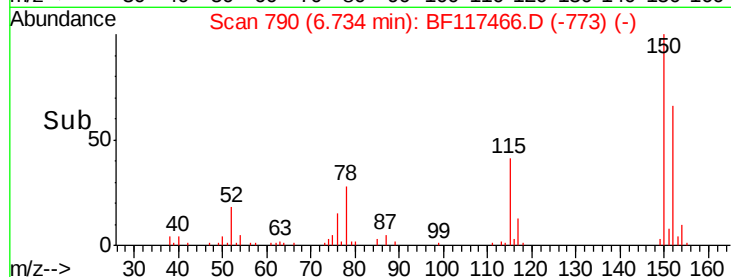


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

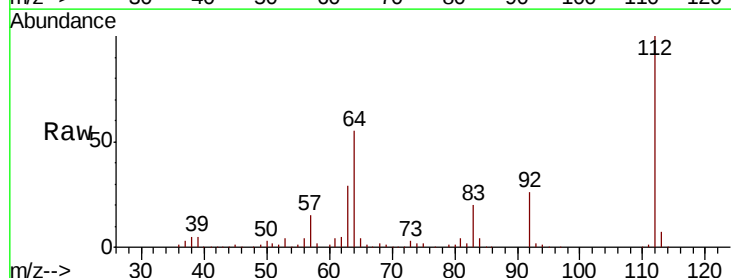
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 89.116 ng
 RT: 5.35 min Scan# 555
 Delta R.T. -0.00 min
 Lab File: BF117466.D
 Acq: 21 Oct 2019 23:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.1	66.1
63	29.2	23.4	35.2

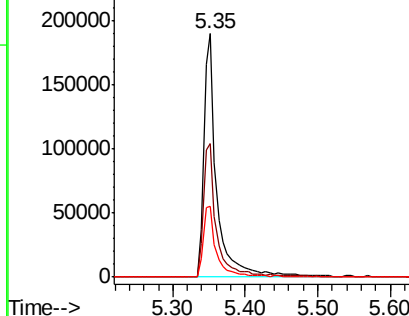
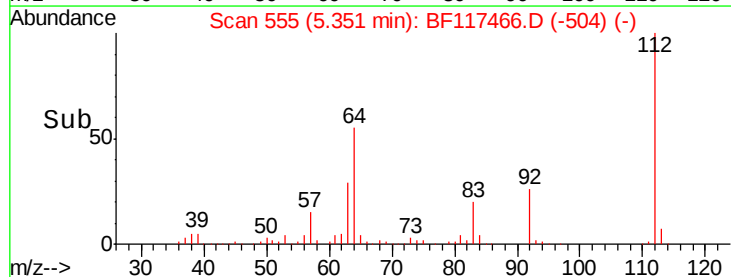


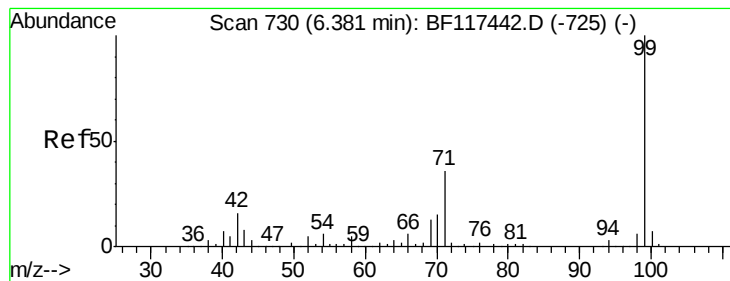
Abundance

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: 89.314 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF117466.D

Acq: 21 Oct 2019 23:48

Instrument :

BNA_F

ClientSampleId :

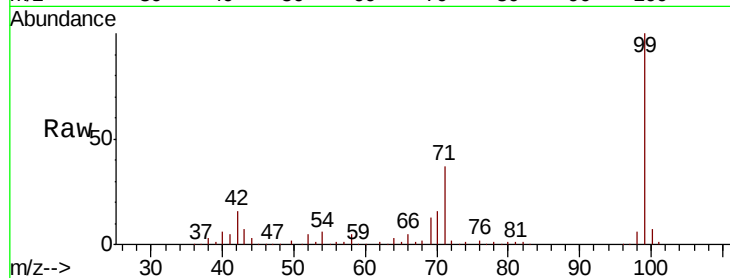
Tot Ion: 99 Resp: 318237

Ion Ratio Lower Upper

99 100

42 16.4 12.8 19.2

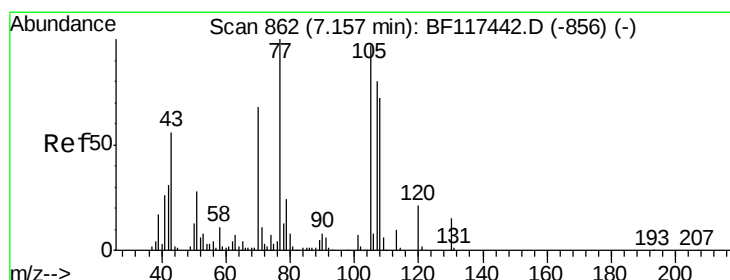
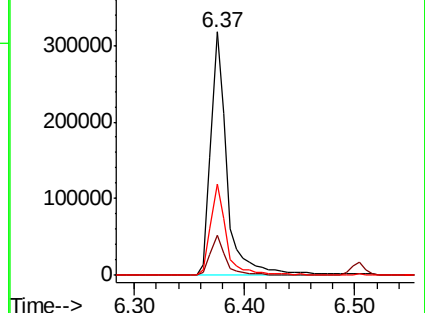
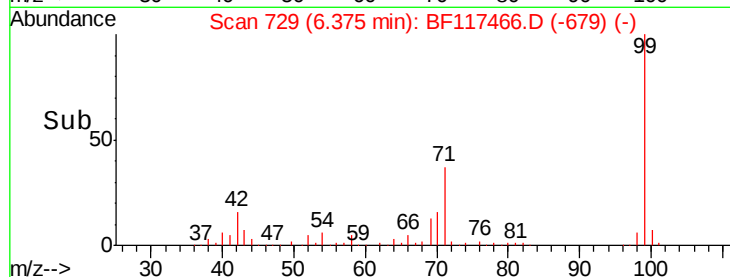
71 37.3 28.6 43.0



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: 11.902 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117466.D

Acq: 21 Oct 2019 23:48

Tgt Ion: 70 Resp: 25899

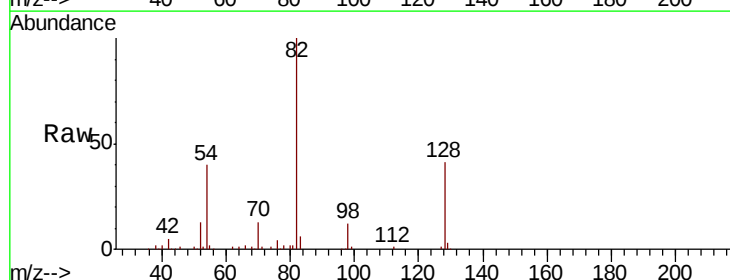
Ion Ratio Lower Upper

70 100

42 39.9 36.7 55.1

101 0.0 8.3 12.5#

130 2.0 18.1 27.1#

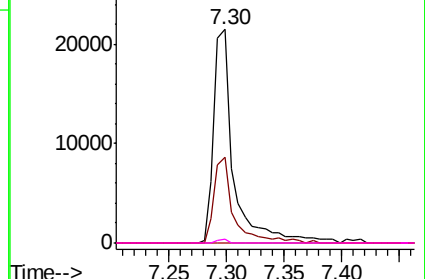
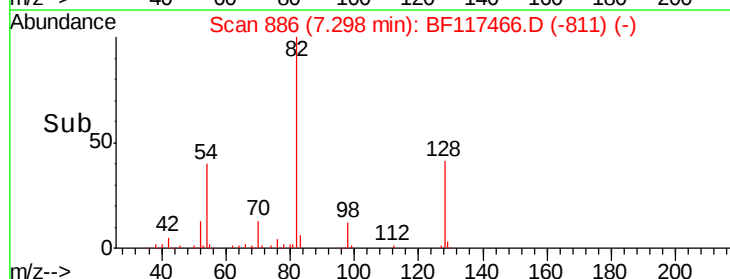


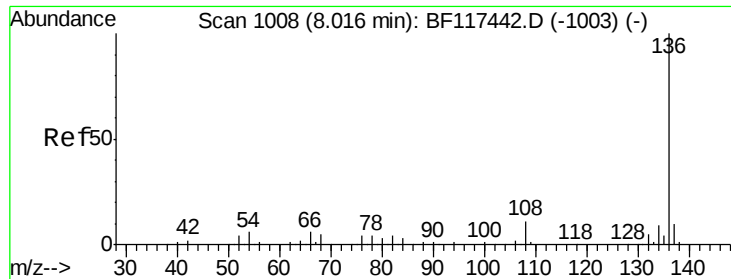
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

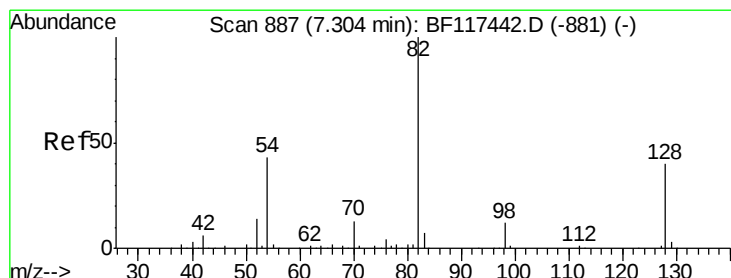
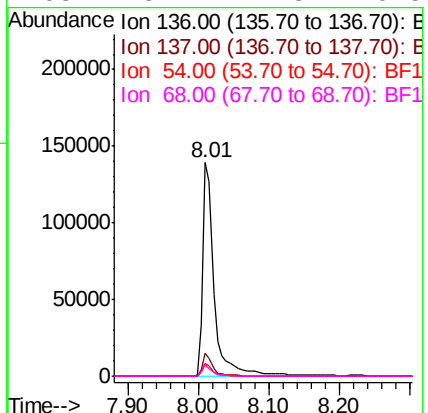
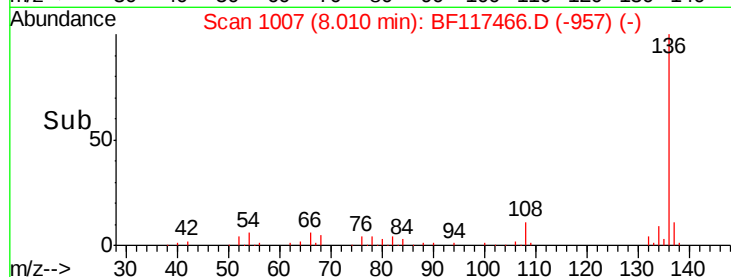
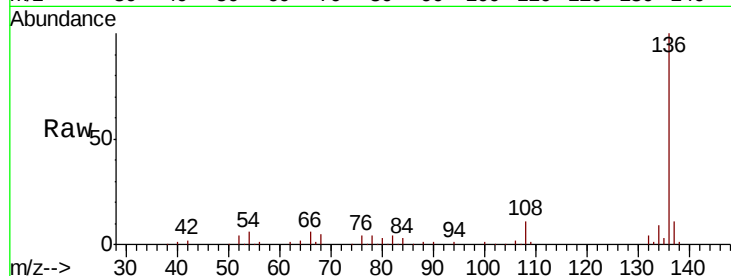




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117466.D
Acq: 21 Oct 2019 23:48

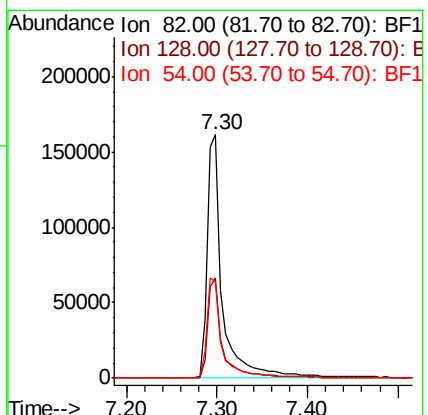
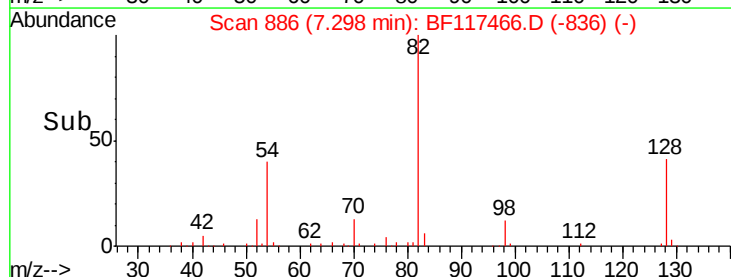
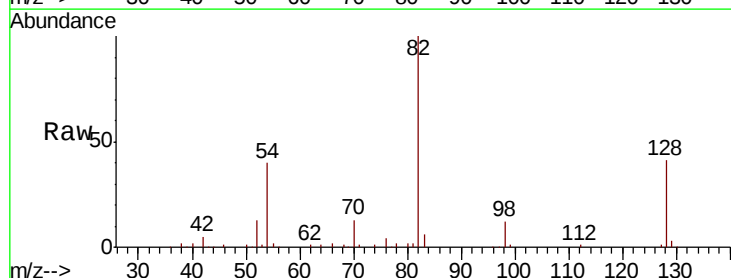
Instrument :
BNA_F
ClientSampleId :

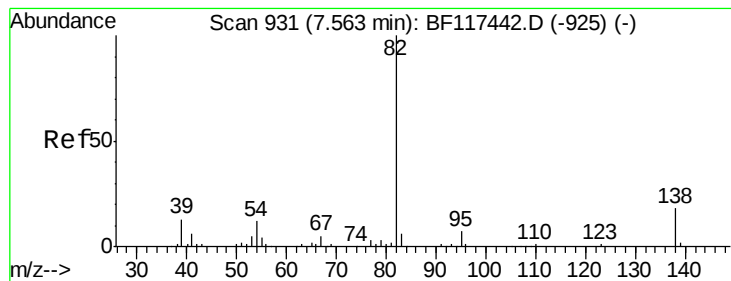
Tot Ion:136	Resp:	161020
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.2 12.4
54	5.7	4.5 6.7
68	5.2	4.3 6.5



#23
Nitrobenzene-d5
Concen: 59.377 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117466.D
Acq: 21 Oct 2019 23:48

Tgt Ion: 82	Resp:	193667
Ion	Ratio	Lower Upper
82	100	
128	41.4	32.2 48.2
54	39.5	34.2 51.2





#25

Isophorone

Concen: 34.323 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117466.D

Acq: 21 Oct 2019 23:48

Instrument :

BNA_F

ClientSampleId :

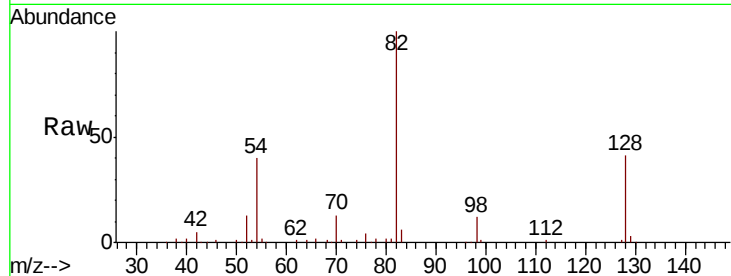
Tot Ion: 82 Resp: 193664

Ion Ratio Lower Upper

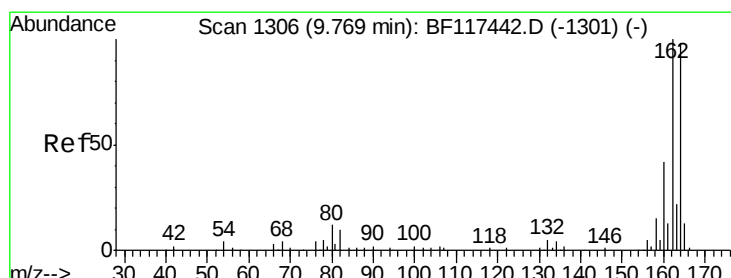
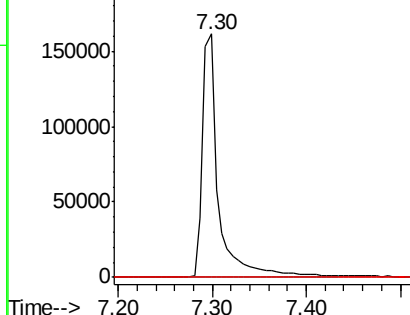
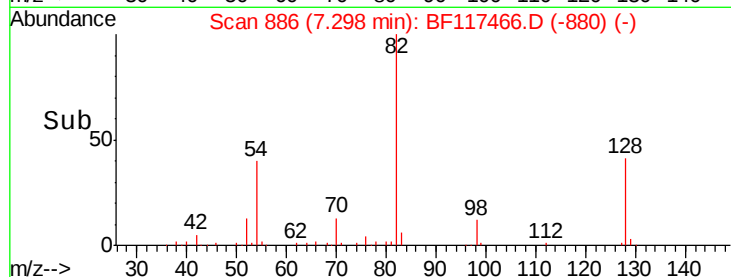
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117466.D

Acq: 21 Oct 2019 23:48

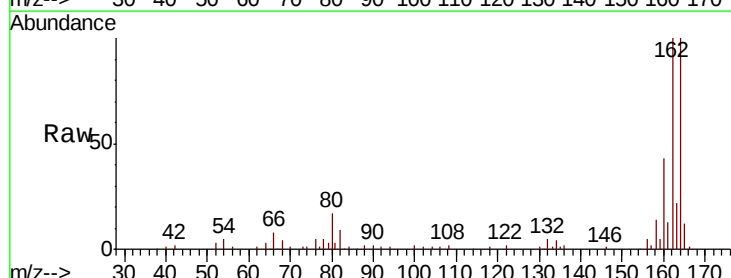
Tgt Ion:164 Resp: 82690

Ion Ratio Lower Upper

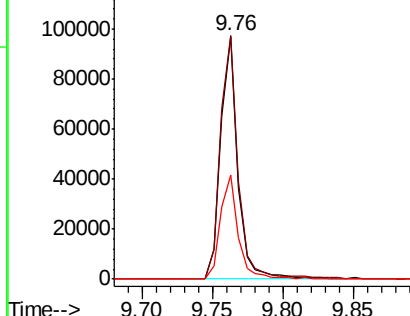
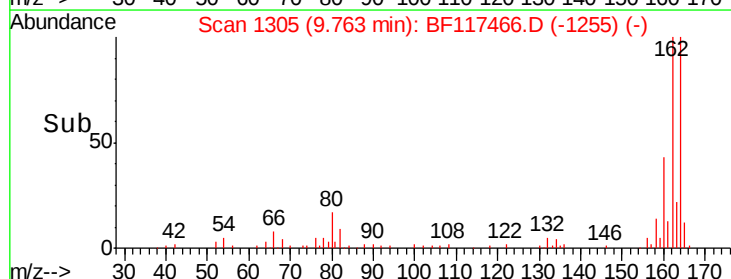
164 100

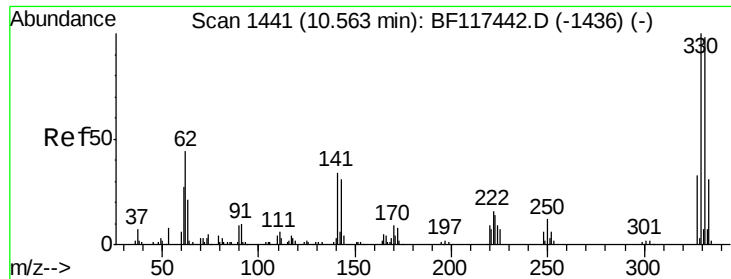
162 100.3 81.8 122.6

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: 88.764 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF117466.D

Acq: 21 Oct 2019 23:48

Instrument :

BNA_F

ClientSampleId :

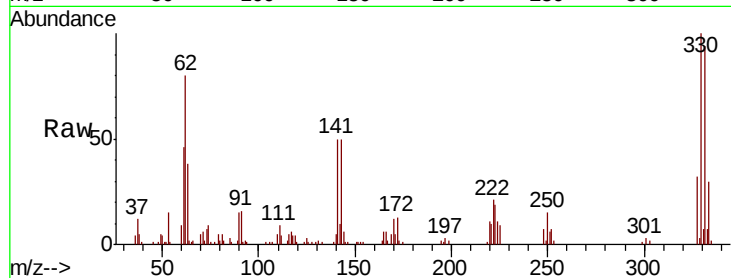
Tot Ion:330 Resp: 63509

Ion Ratio Lower Upper

330 100

332 94.2 78.5 117.7

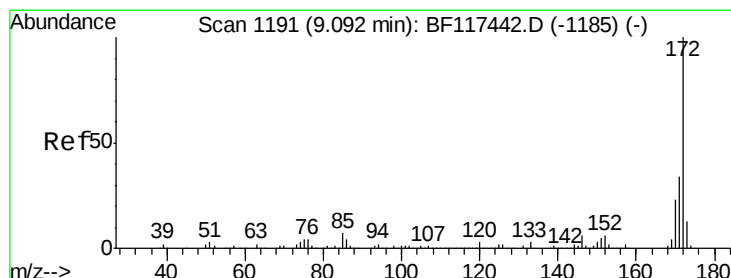
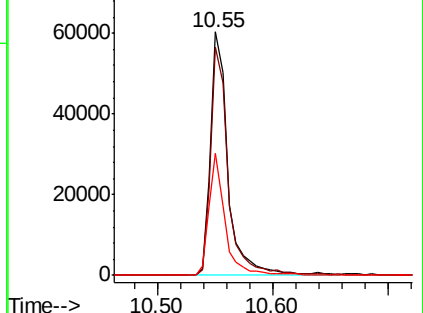
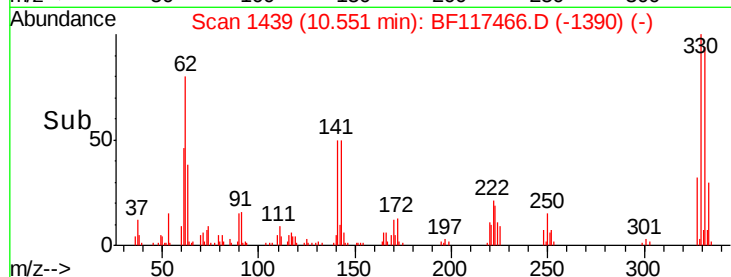
141 46.3 37.0 55.6



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: 60.073 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF117466.D

Acq: 21 Oct 2019 23:48

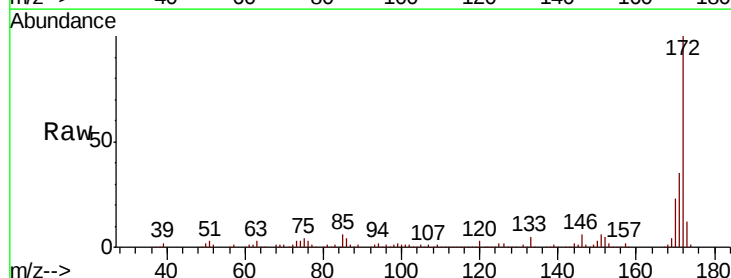
Tgt Ion:172 Resp: 352552

Ion Ratio Lower Upper

172 100

171 34.6 27.5 41.3

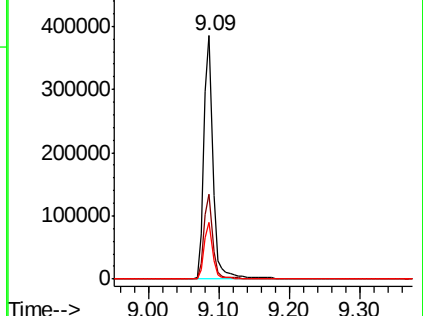
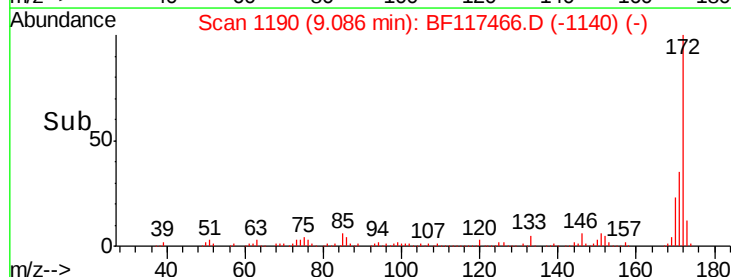
170 23.1 18.6 27.8

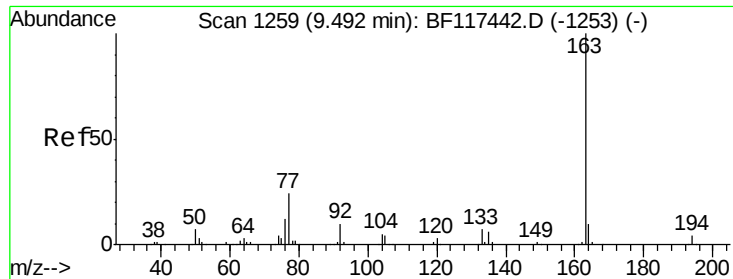


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

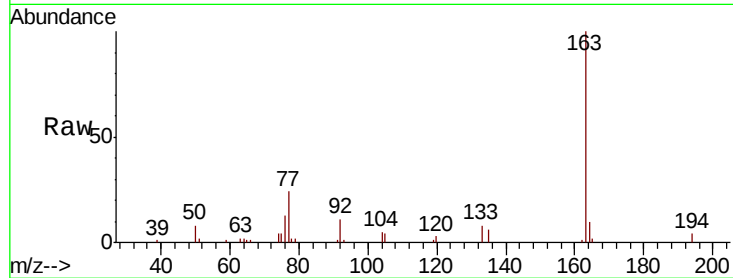




#50
Dimethylphthalate
Concen: 7.136 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117466.D
Acq: 21 Oct 2019 23:48

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.9	4.3
164	10.3	8.2	12.2

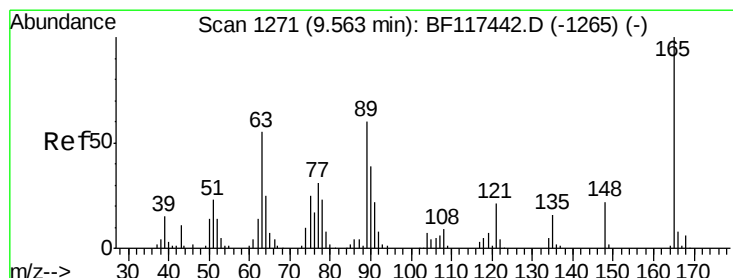
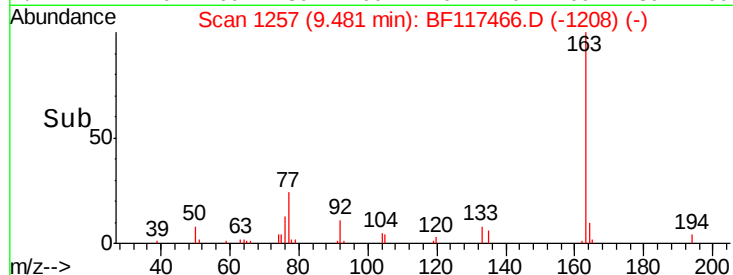
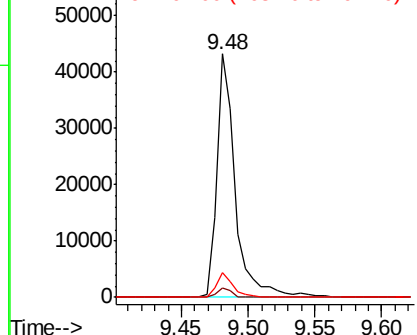


Abundance

Ion 163.00 (162.70 to 163.70): E

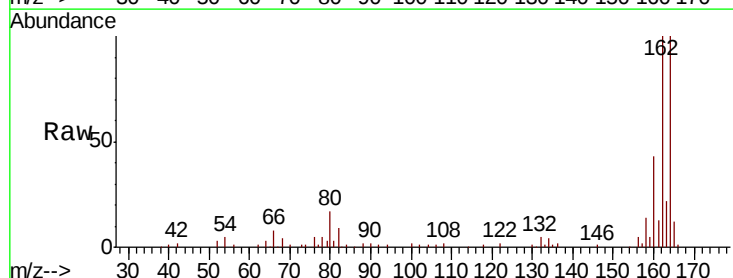
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 8.555 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.20 min
Lab File: BF117466.D
Acq: 21 Oct 2019 23:48

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

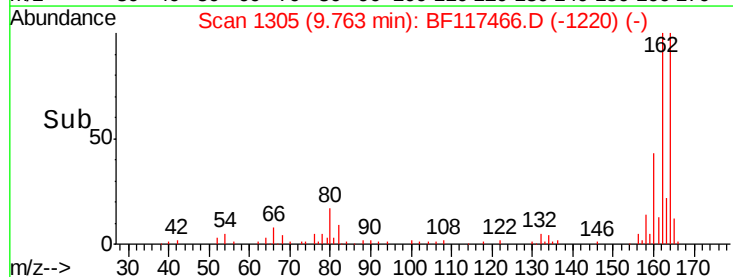
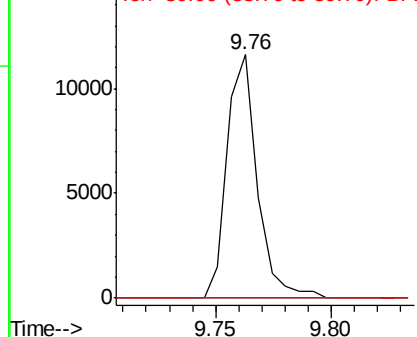


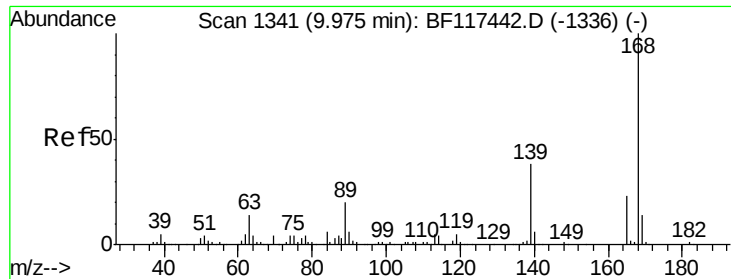
Abundance

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

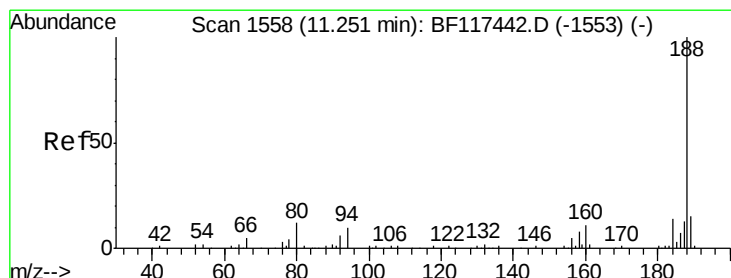
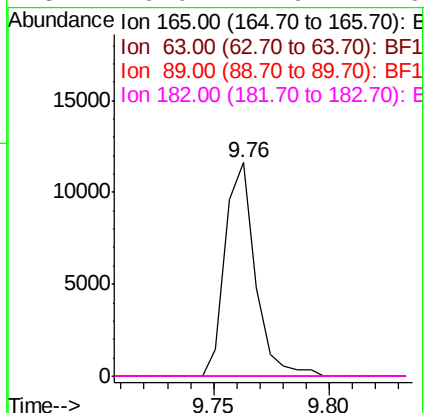
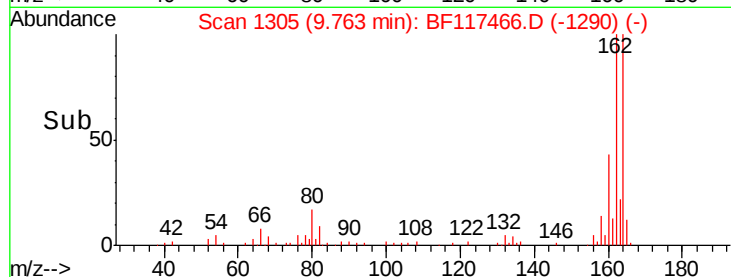
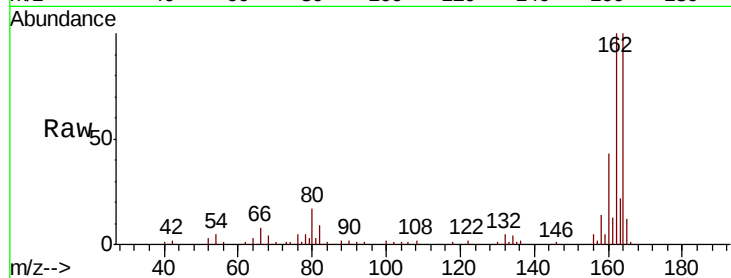




#57
 2,4-Dinitrotoluene
 Concen: 6.435 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117466.D
 Acq: 21 Oct 2019 23:48

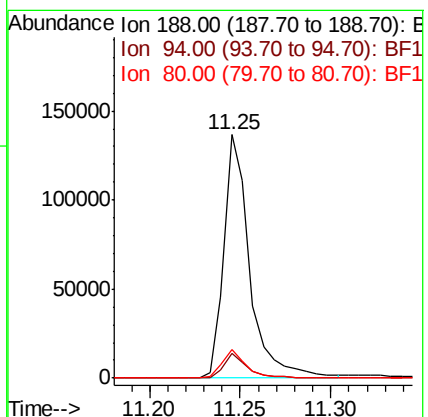
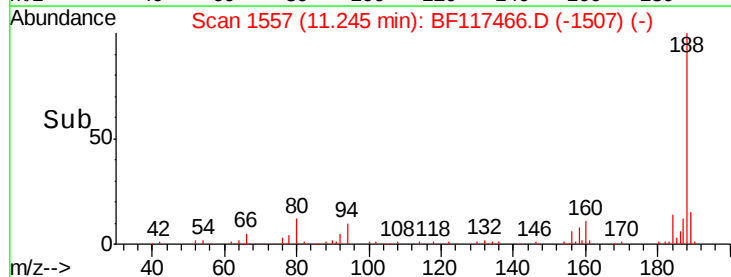
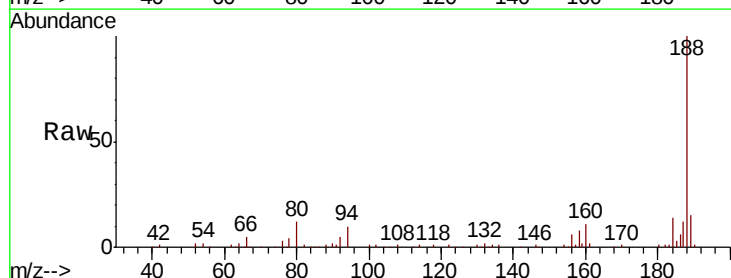
Instrument :
 BNA_F
 ClientSampleId :

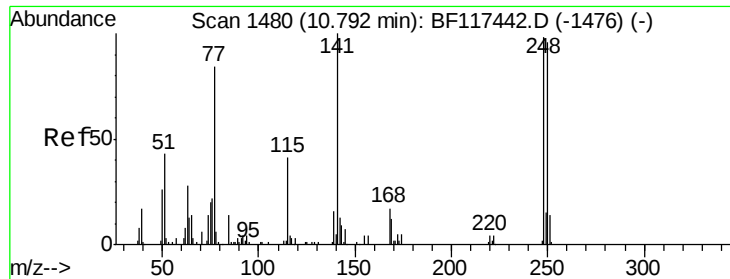
Tot Ion:165 Resp: 10524
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.4 77.0#
 89 0.0 69.9 104.9#
 182 0.0 1.9 2.9#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117466.D
 Acq: 21 Oct 2019 23:48

Tgt Ion:188 Resp: 136049
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.0 12.0
 80 11.7 9.5 14.3





#67

4-Bromophenyl-phenylether

Concen: 2.840 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.24 min

Lab File: BF117466.D

Acq: 21 Oct 2019 23:48

Instrument :

BNA_F

ClientSampled :

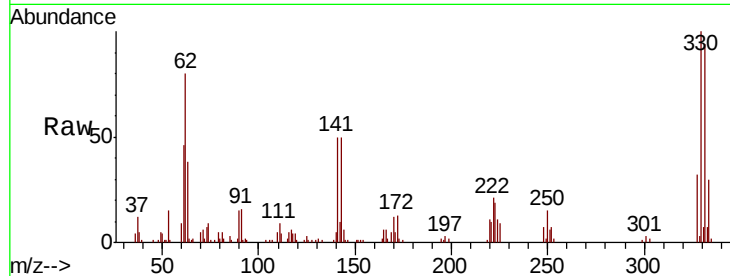
Tot Ion:248 Resp: 4162

Ion Ratio Lower Upper

248 100

250 195.4 78.0 117.0#

141 670.5 81.7 122.5#

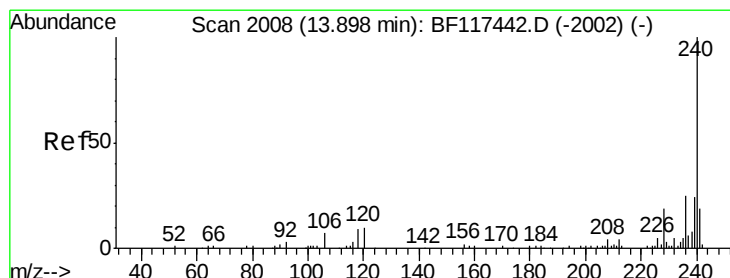
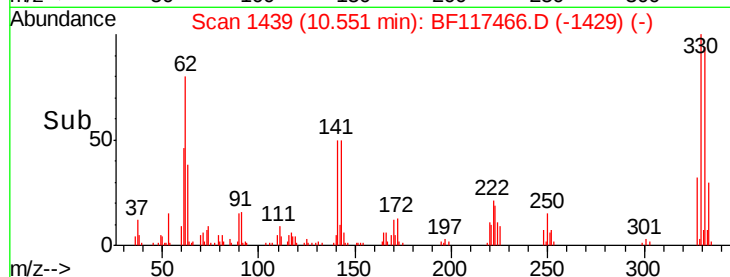
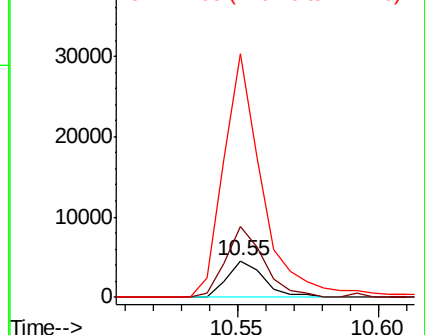


Abundance

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: BF117466.D

Acq: 21 Oct 2019 23:48

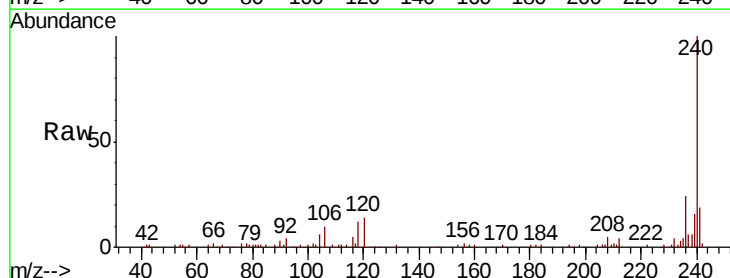
Tgt Ion:240 Resp: 114779

Ion Ratio Lower Upper

240 100

120 14.1 8.4 12.6#

236 23.7 20.0 30.0

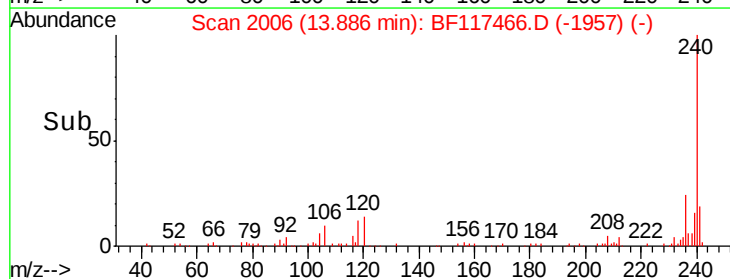
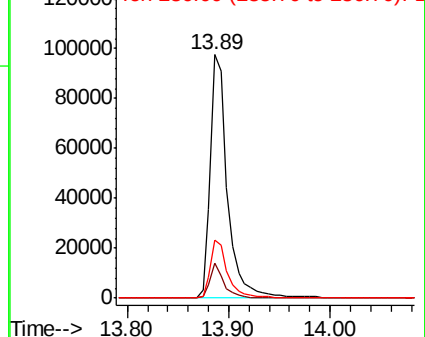


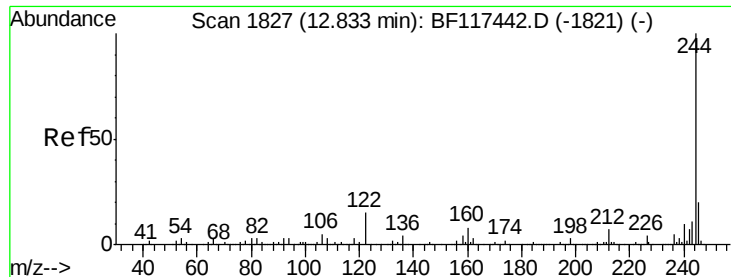
Abundance

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

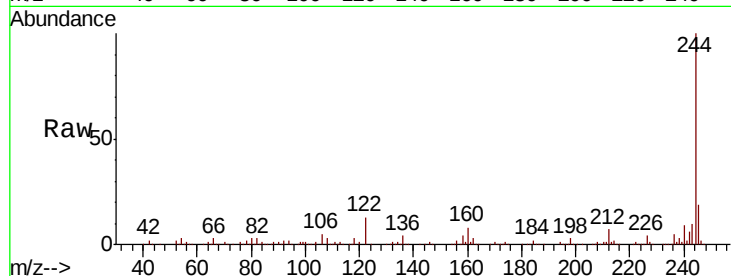




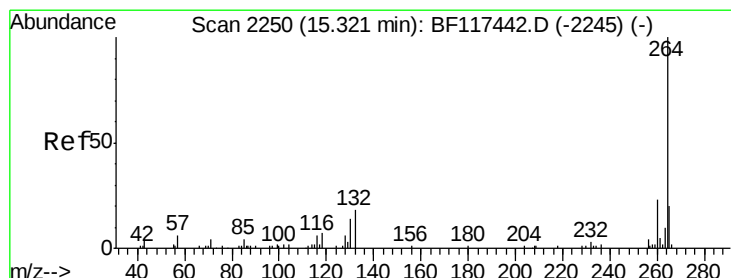
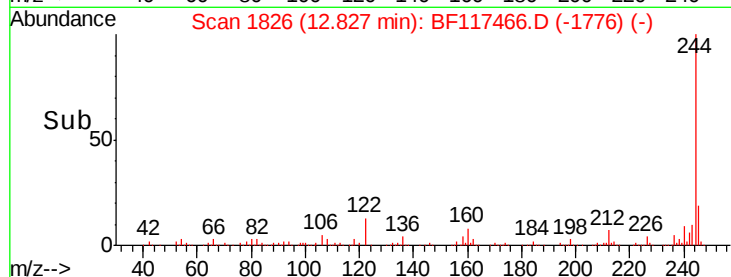
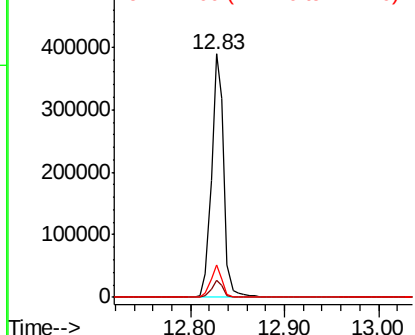
#79
 Terphenyl-d14
 Concen: 51.318 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117466.D
 Acq: 21 Oct 2019 23:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 361120
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 13.1 11.8 17.8

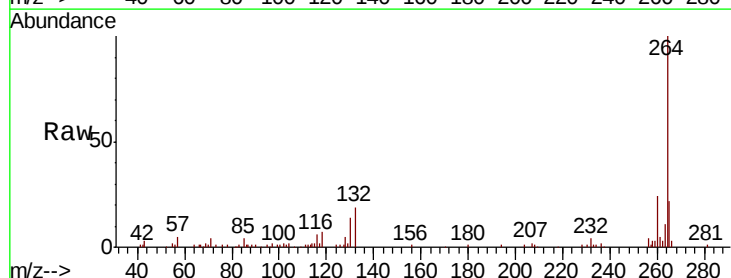


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2249
 Delta R.T. -0.01 min
 Lab File: BF117466.D
 Acq: 21 Oct 2019 23:48

Tgt Ion:264 Resp: 111238
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.4 27.6
 265 21.8 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

