

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117620.D
 Acq On : 30 Oct 2019 13:19
 Operator : JU
 Sample : K5539-17
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 01:23:10 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	39157	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	152701	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	75492	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	112032	20.00	ng	0.00
76) Chrysene-d12	13.89	240	78803	20.00	ng	0.00
87) Perylene-d12	15.33	264	78065	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	242518	92.14	ng	0.00
7) Phenol-d6	6.39	99	333493	94.34	ng	0.00
23) Nitrobenzene-d5	7.29	82	202354	65.42	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	54112	82.84	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	290692	54.26	ng	-0.01
79) Terphenyl-d14	12.83	244	217947	45.11	ng	0.00

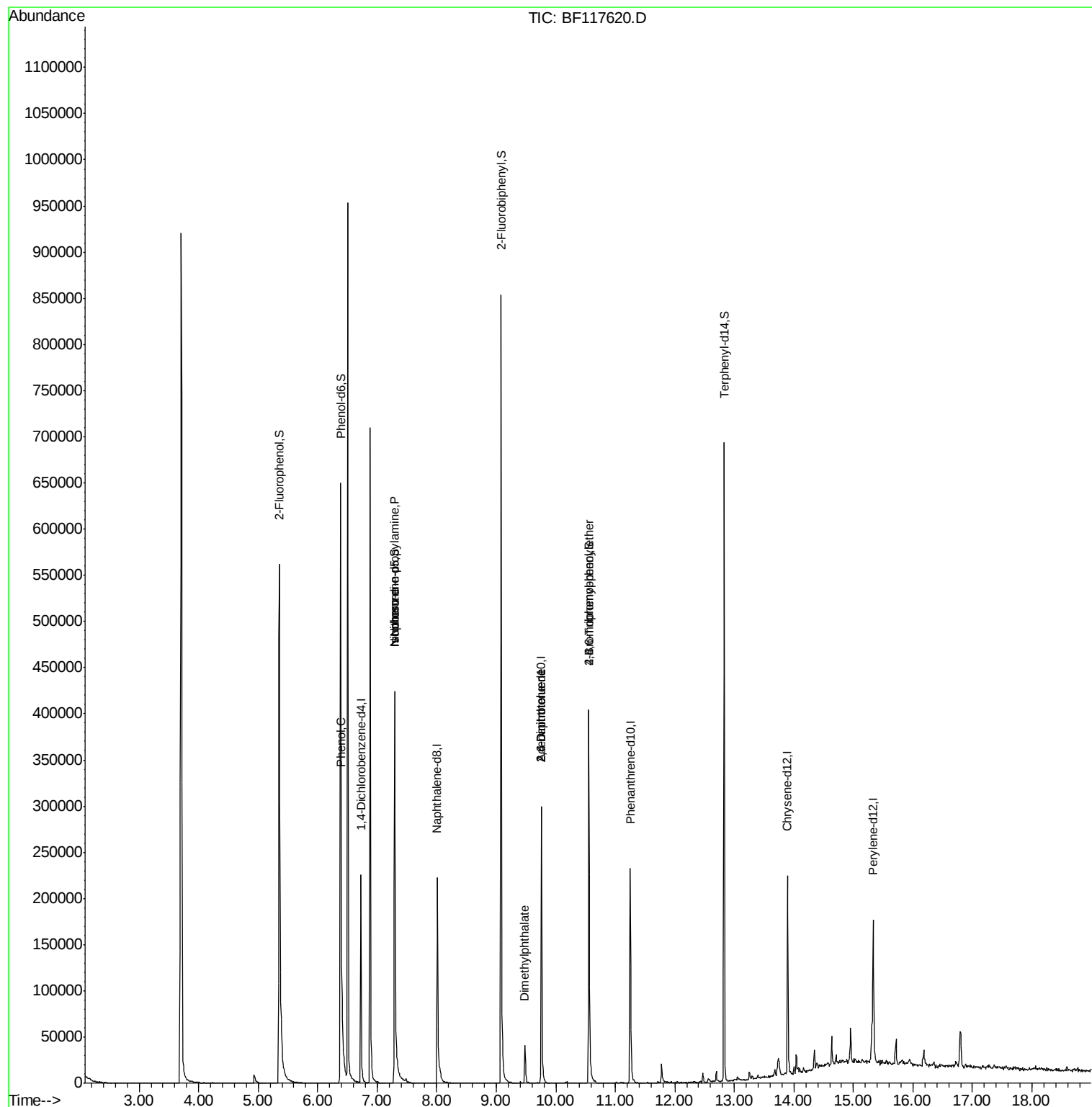
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	355	Below Cal	#	3
10) Phenol	6.40	94	10683	2.961	ng	89
19) n-Nitroso-di-n-propylamine	7.29	70	26163	12.118	ng	79
25) Isophorone	7.29	82	202353	37.817	ng	65
50) Dimethylphthalate	9.49	163	25365	4.713	ng	98
51) 2,6-Dinitrotoluene	9.76	165	9211	8.202	ng	22
57) 2,4-Dinitrotoluene	9.76	165	9211	6.169	ng	12
67) 4-Bromophenyl-phenylether	10.56	248	3451	2.860	ng	1
77) Benzidine	12.83	184	3044	Below Cal	#	96

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

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QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration



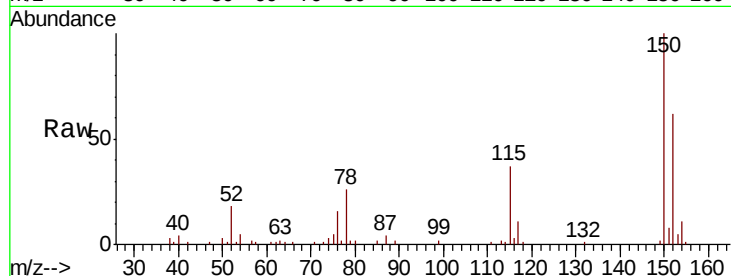


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117620.D
Acq: 30 Oct 2019 13:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.5	126.8	190.2
115	60.3	51.6	77.4

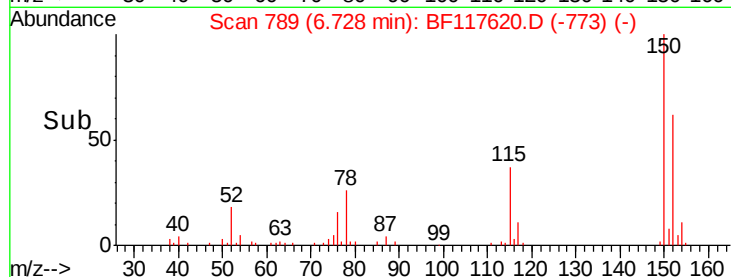
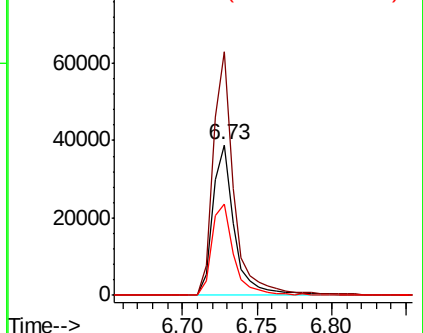


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

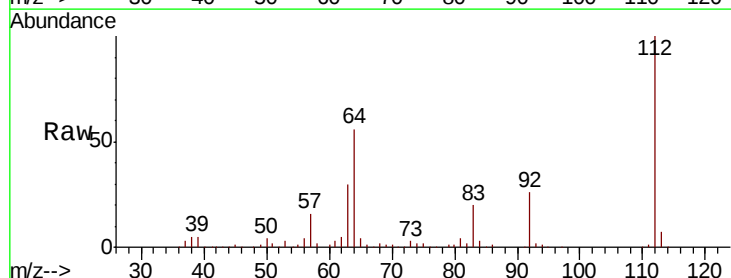
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.141 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117620.D
Acq: 30 Oct 2019 13:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	44.1	66.1
63	29.7	23.4	35.2

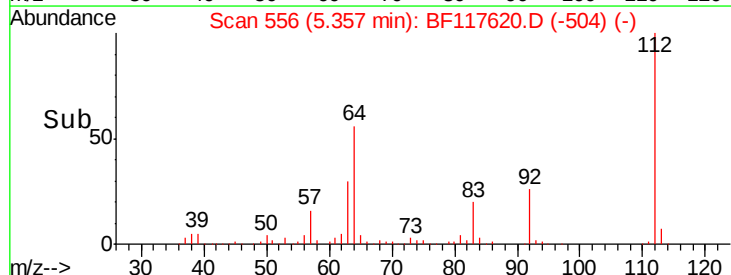
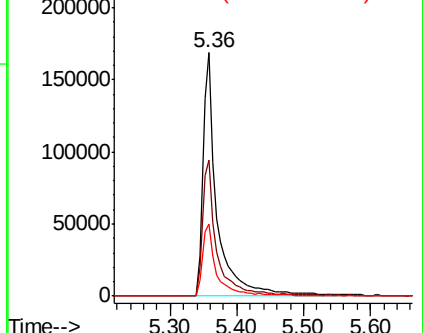


Abundance

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: 94.337 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117620.D

Acq: 30 Oct 2019 13:19

Instrument :

BNA_F

ClientSampleId :

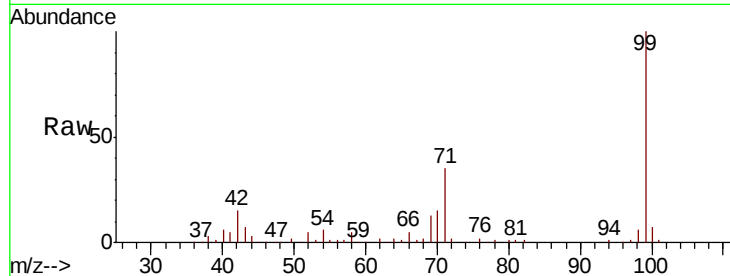
Tot Ion: 99 Resp: 333493

Ion Ratio Lower Upper

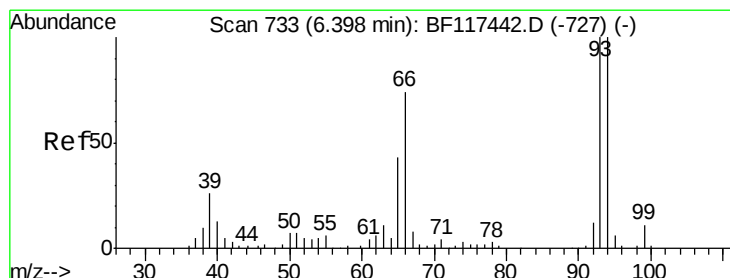
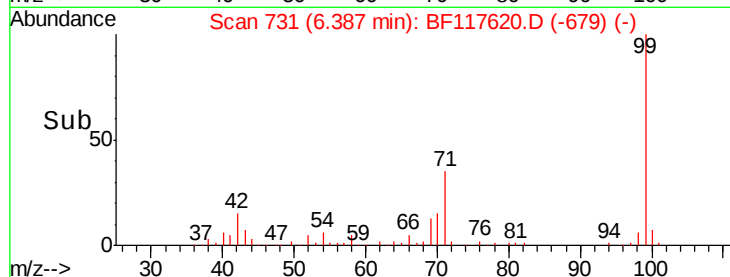
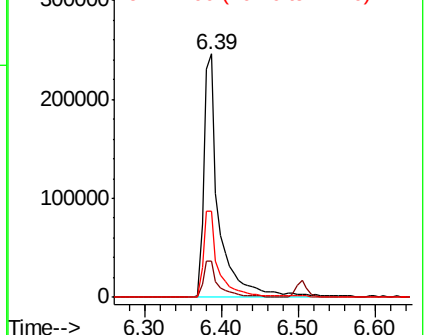
99 100

42 14.6 12.8 19.2

71 35.2 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: 2.961 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117620.D

Acq: 30 Oct 2019 13:19

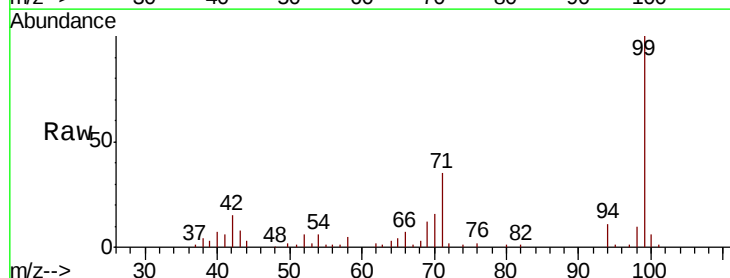
Tgt Ion: 94 Resp: 10683

Ion Ratio Lower Upper

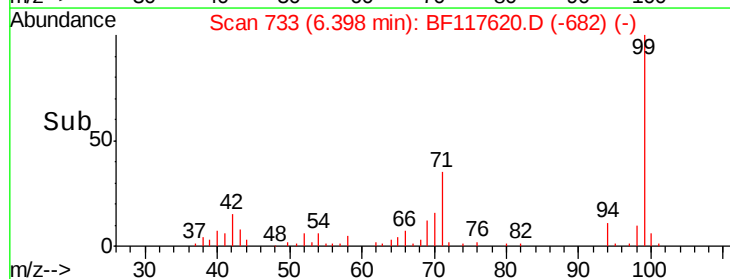
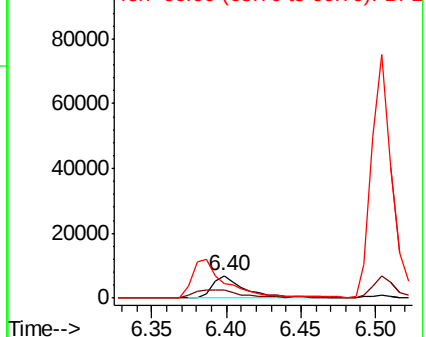
94 100

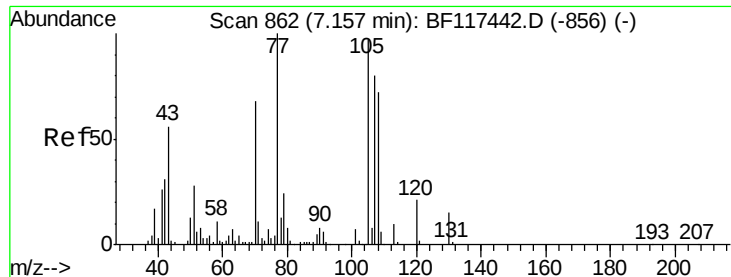
65 33.9 23.4 63.4

66 67.1 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: 12.118 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF117620.D

Acq: 30 Oct 2019 13:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 26163

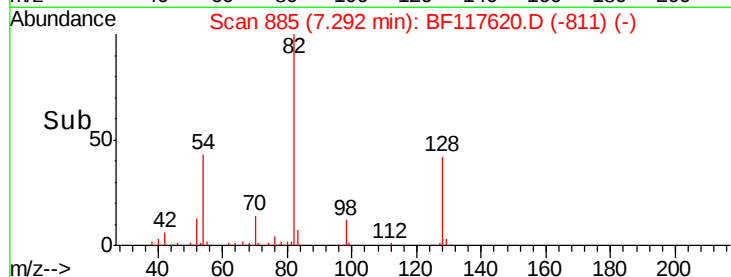
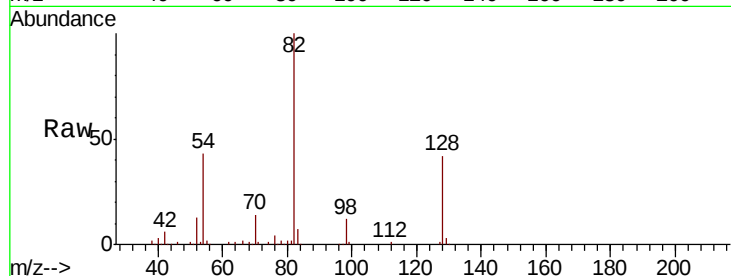
Ion Ratio Lower Upper

70 100

42 40.7 36.7 55.1

101 0.0 8.3 12.5#

130 1.9 18.1 27.1#

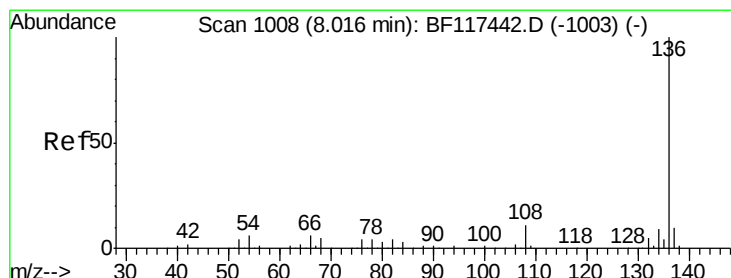
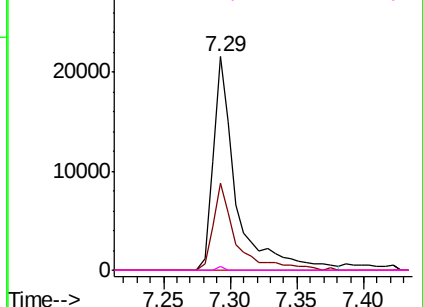


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117620.D

Acq: 30 Oct 2019 13:19

Tgt Ion:136 Resp: 152701

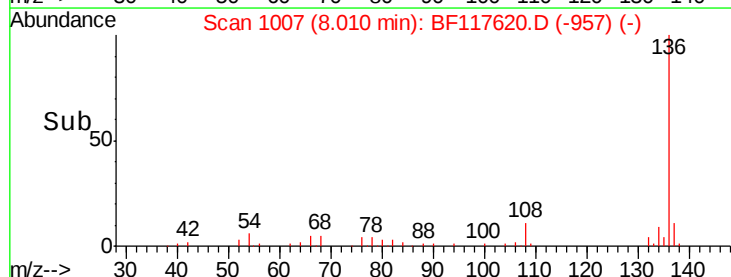
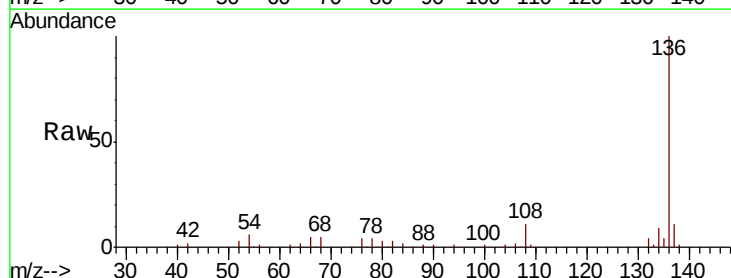
Ion Ratio Lower Upper

136 100

137 10.7 8.2 12.4

54 5.6 4.5 6.7

68 5.3 4.3 6.5

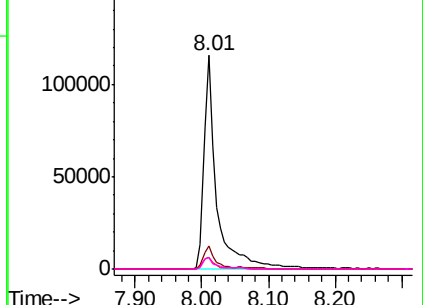


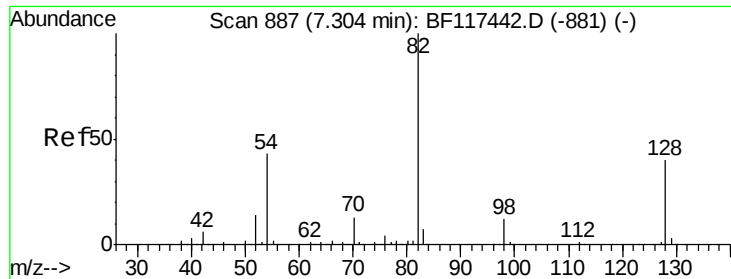
Abundance Ion 136.00 (135.70 to 136.70): E

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

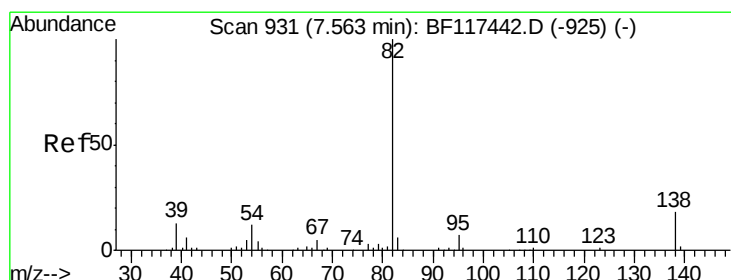
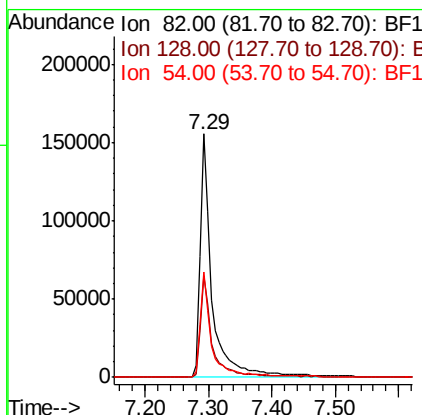
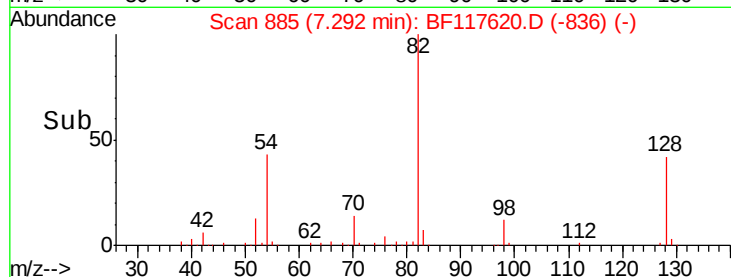
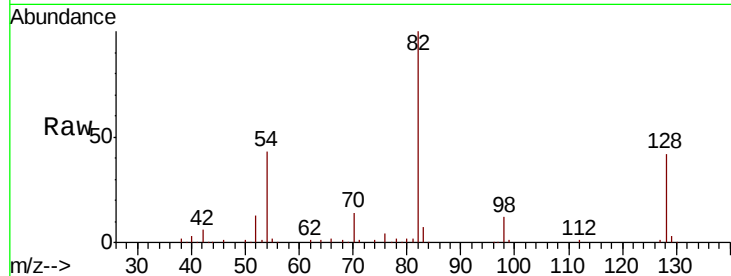




#23
Nitrobenzene-d5
Concen: 65.421 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117620.D
Acq: 30 Oct 2019 13:19

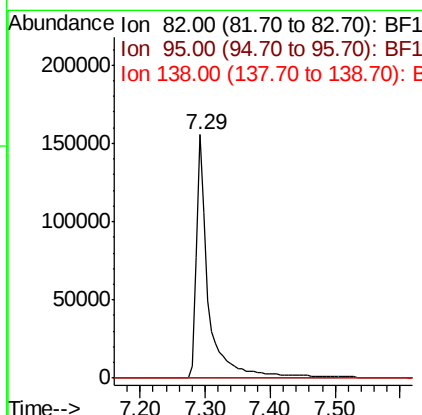
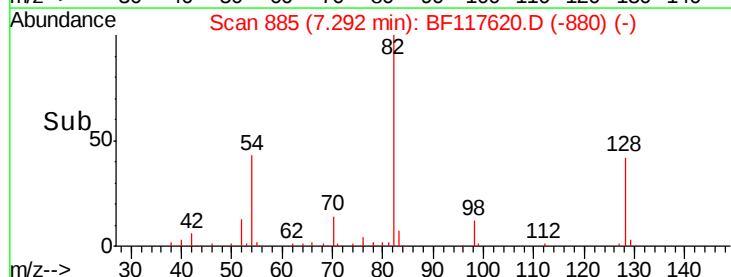
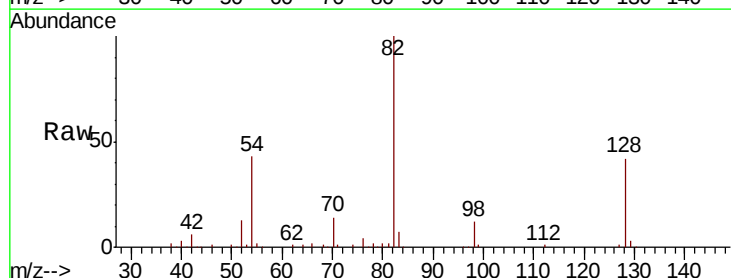
Instrument :
BNA_F
ClientSampleId :

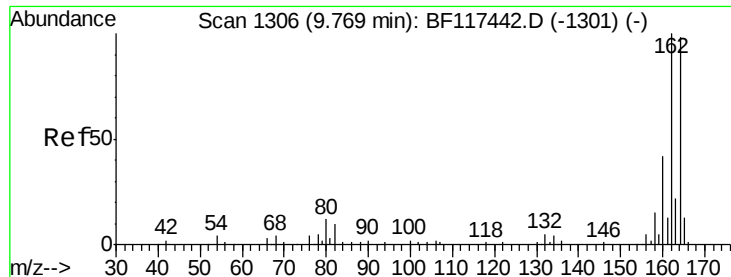
Tot Ion: 82 Resp: 202354
Ion Ratio Lower Upper
82 100
128 41.8 32.2 48.2
54 43.0 34.2 51.2



#25
Isophorone
Concen: 37.817 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF117620.D
Acq: 30 Oct 2019 13:19

Tgt Ion: 82 Resp: 202353
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# 1304

Delta R.T. -0.01 min

Lab File: BF117620.D

Acq: 30 Oct 2019 13:19

Instrument :

BNA_F

ClientSampleId :

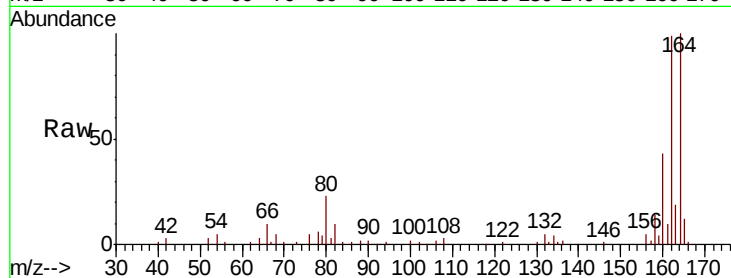
Tot Ion:164 Resp: 75492

Ion Ratio Lower Upper

164 100

162 98.7 81.8 122.6

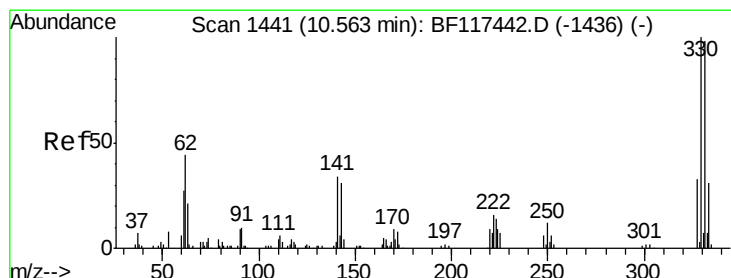
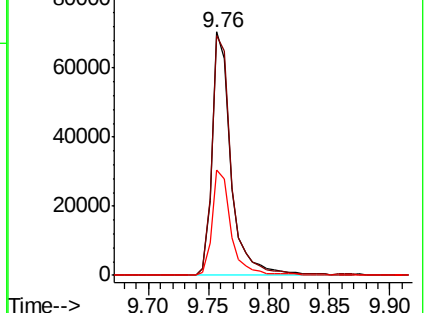
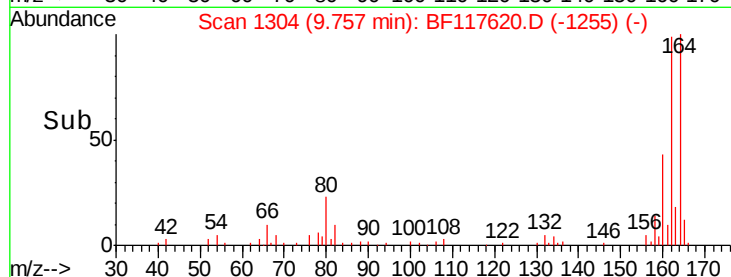
160 43.4 34.4 51.6



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: 82.841 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117620.D

Acq: 30 Oct 2019 13:19

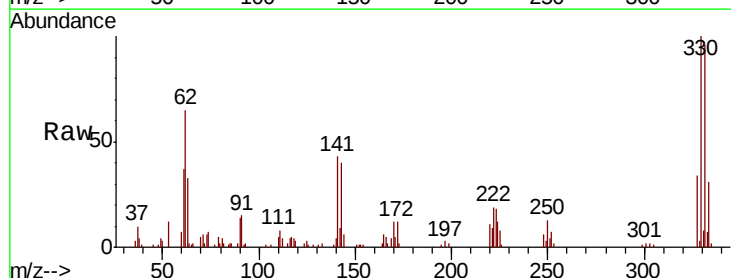
Tgt Ion:330 Resp: 54112

Ion Ratio Lower Upper

330 100

332 97.5 78.5 117.7

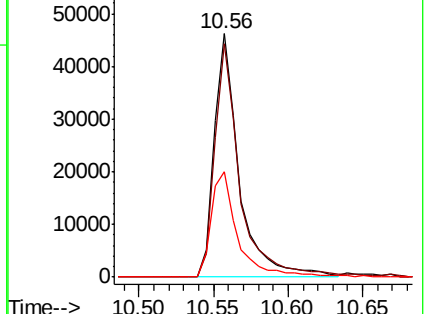
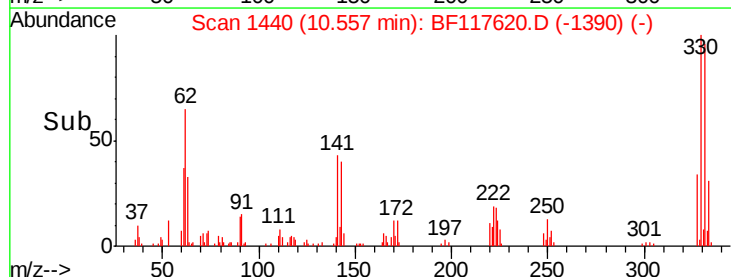
141 45.9 37.0 55.6



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

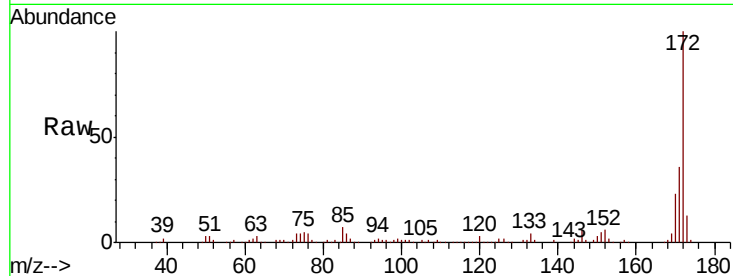




#45
2-Fluorobiphenyl
Concen: 54.255 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117620.D
Acq: 30 Oct 2019 13:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.5	41.3
170	22.9	18.6	27.8

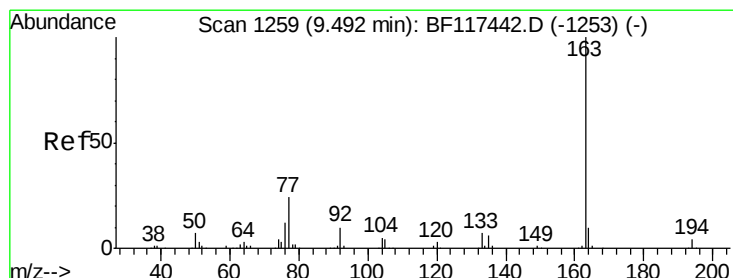
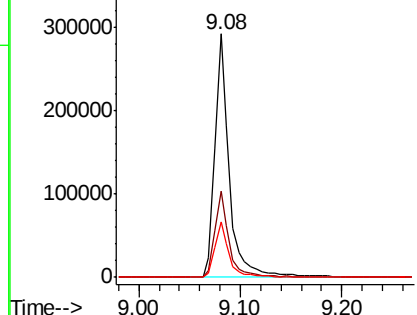
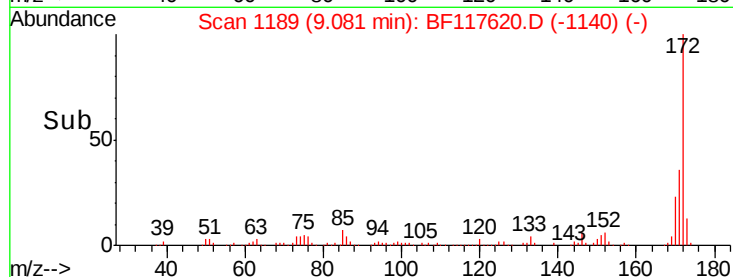


Abundance

Ion 172.00 (171.70 to 172.70): E

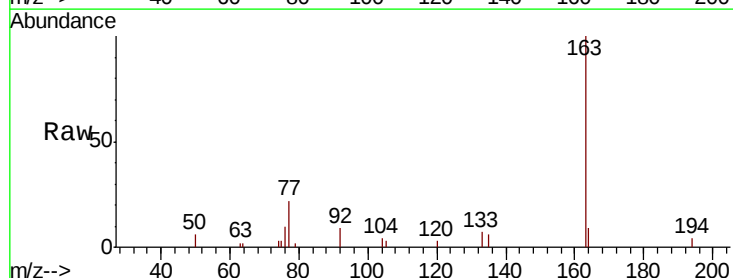
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 4.713 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF117620.D
Acq: 30 Oct 2019 13:19

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.9	4.3
164	9.5	8.2	12.2

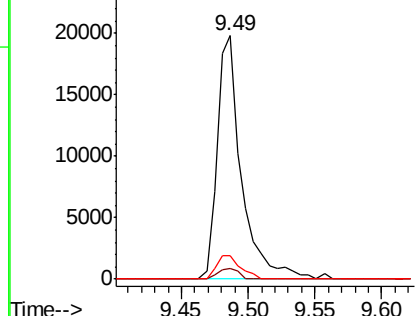
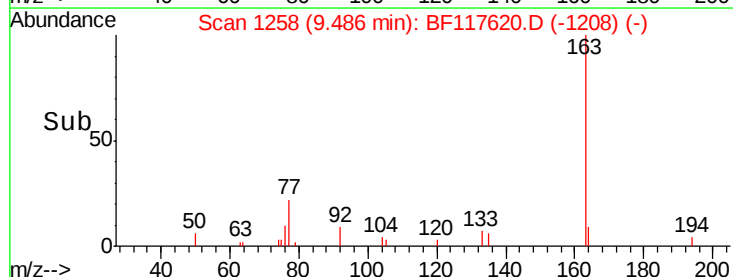


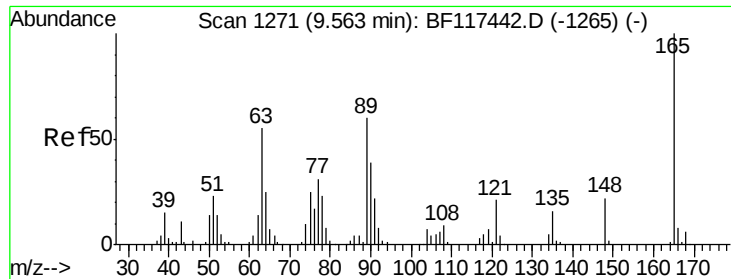
Abundance

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

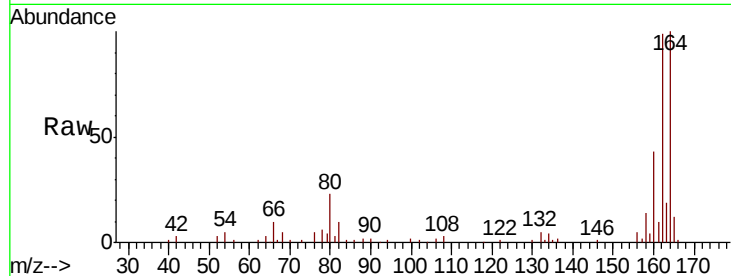




#51
 2,6-Dinitrotoluene
 Concen: 8.202 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.19 min
 Lab File: BF117620.D
 Acq: 30 Oct 2019 13:19

Instrument :
 BNA_F
 ClientSampled :

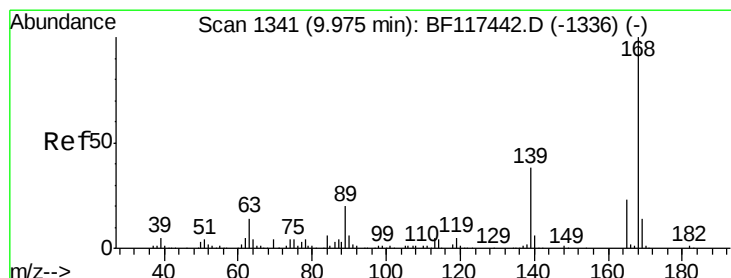
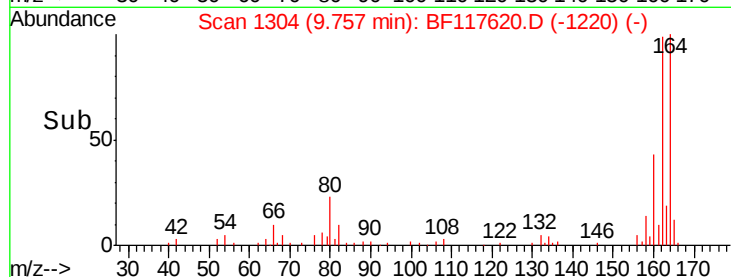
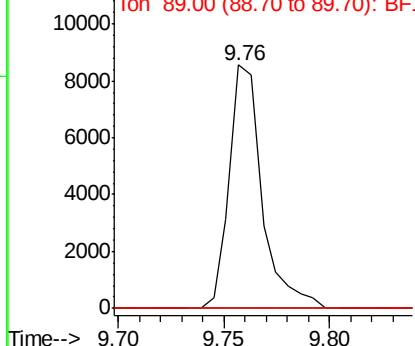
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	0.0	47.6	71.4#



Abundance Ion 165.00 (164.70 to 165.70): E

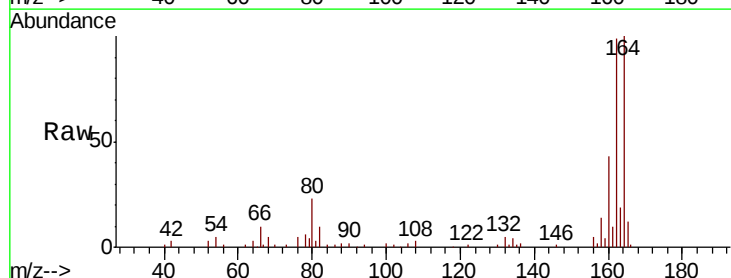
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57
 2,4-Dinitrotoluene
 Concen: 6.169 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.22 min
 Lab File: BF117620.D
 Acq: 30 Oct 2019 13:19

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#

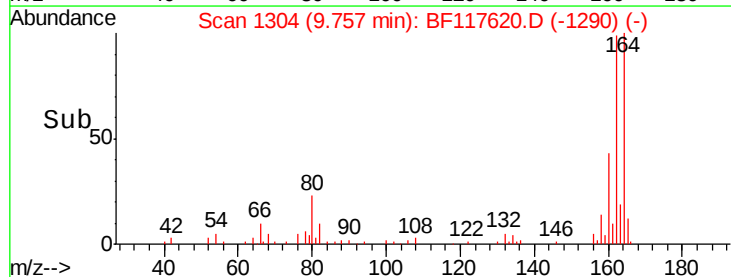
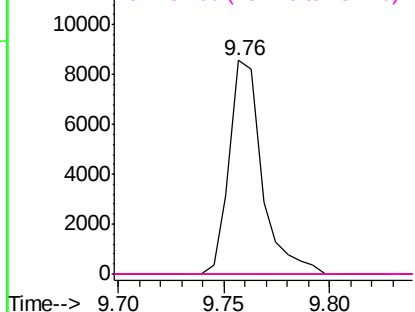


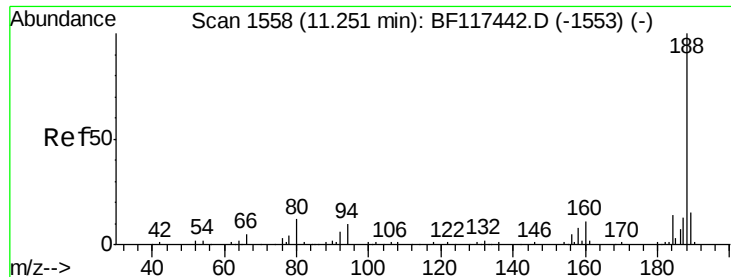
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF117620.D

Acq: 30 Oct 2019 13:19

Instrument :

BNA_F

ClientSampleId :

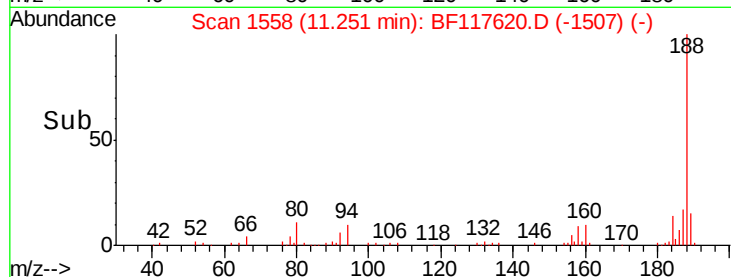
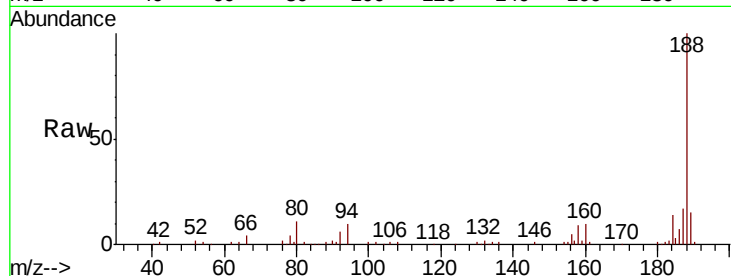
Tot Ion:188 Resp: 112032

Ion Ratio Lower Upper

188 100

94 9.8 8.0 12.0

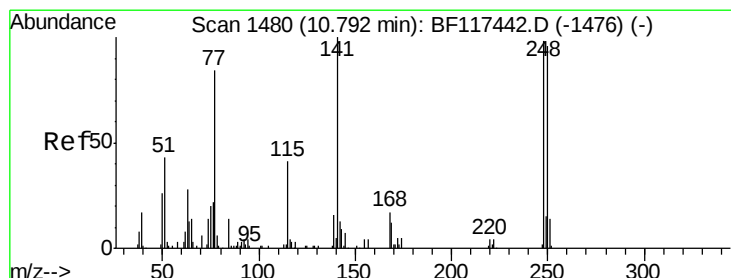
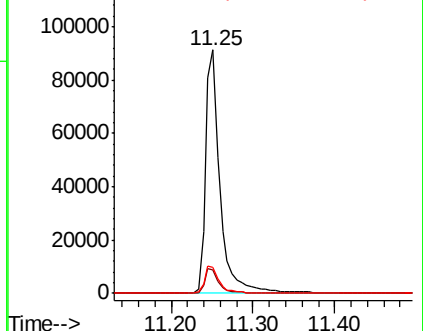
80 10.8 9.5 14.3



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: 2.860 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117620.D

Acq: 30 Oct 2019 13:19

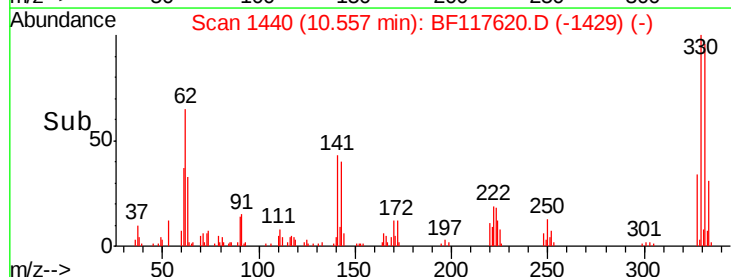
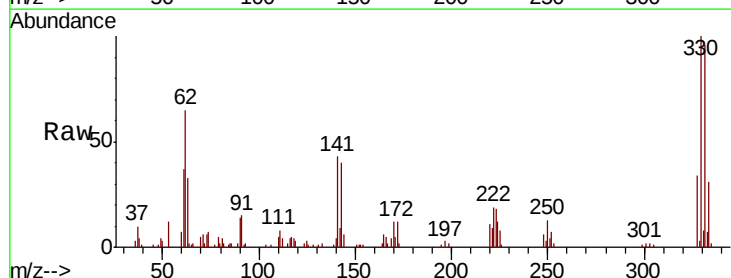
Tgt Ion:248 Resp: 3451

Ion Ratio Lower Upper

248 100

250 208.5 78.0 117.0#

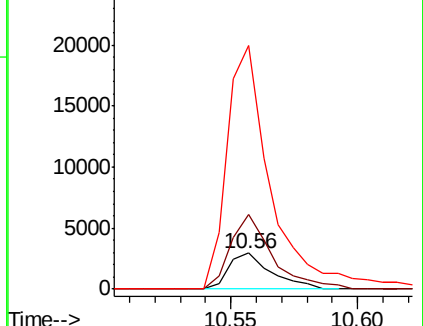
141 679.5 81.7 122.5#

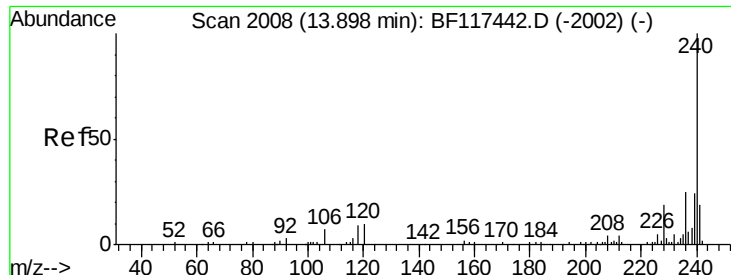


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

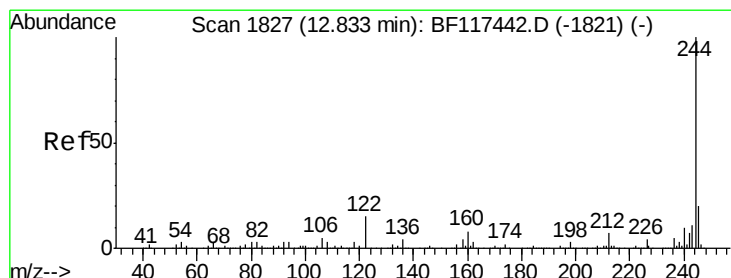
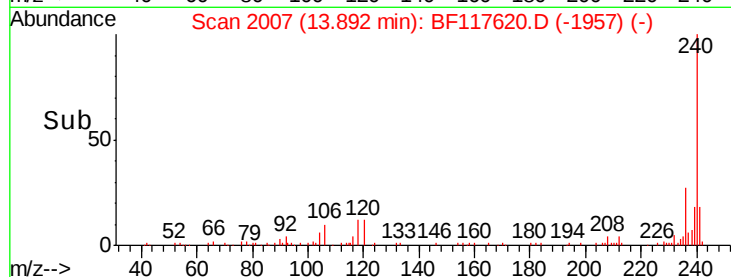
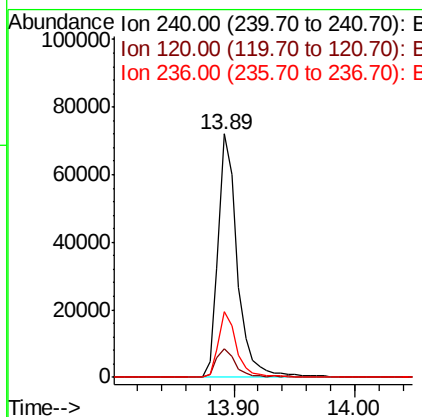
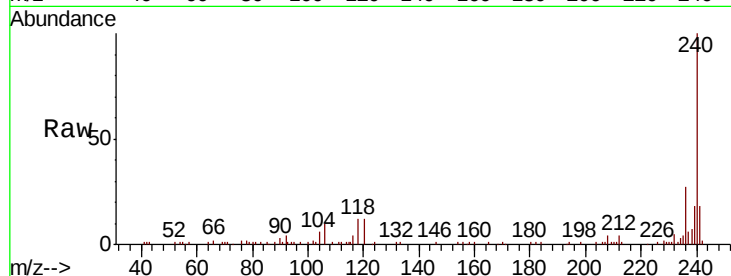




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF117620.D
 Acq: 30 Oct 2019 13:19

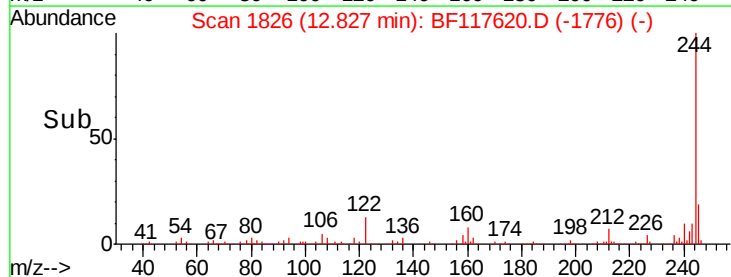
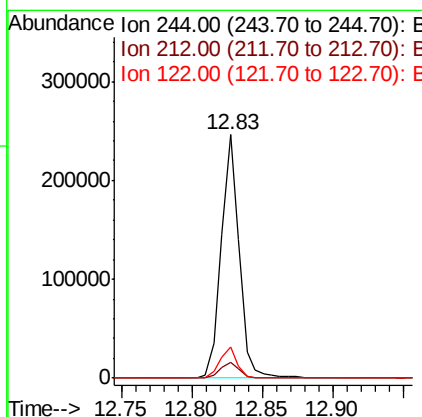
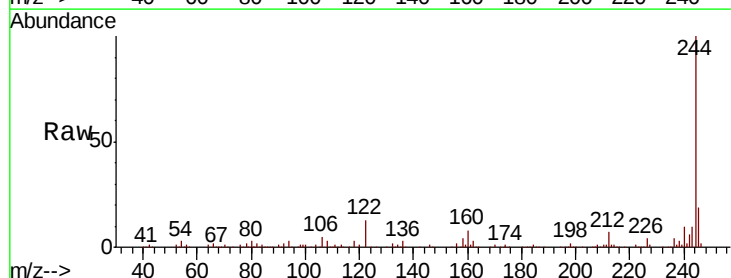
Instrument :
 BNA_F
 ClientSampled :

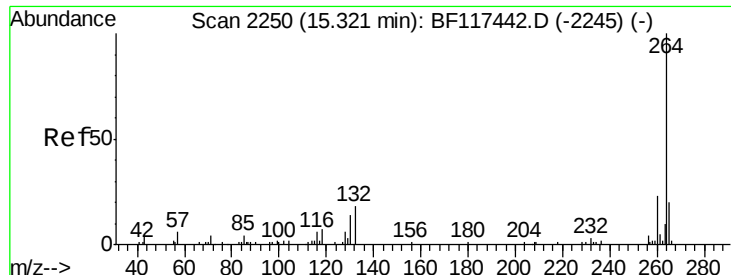
Tot Ion:240 Resp: 78803
 Ion Ratio Lower Upper
 240 100
 120 12.0 8.4 12.6
 236 27.0 20.0 30.0



#79
 Terphenyl-d14
 Concen: 45.112 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117620.D
 Acq: 30 Oct 2019 13:19

Tgt Ion:244 Resp: 217947
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.6
 122 12.6 11.8 17.8





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117620.D
Acq: 30 Oct 2019 13:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.6	18.4	27.6
265	19.6	16.1	24.1

