

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117621.D
 Acq On : 30 Oct 2019 13:46
 Operator : JU
 Sample : K5539-19
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 31 01:23:18 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	35258	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	141686	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	65897	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	96749	20.00	ng	0.00
76) Chrysene-d12	13.89	240	78569	20.00	ng	0.00
87) Perylene-d12	15.33	264	82202	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	206432	87.10	ng	0.00
7) Phenol-d6	6.38	99	295618	92.87	ng	0.00
23) Nitrobenzene-d5	7.29	82	177506	61.85	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	43164	75.70	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	267496	57.20	ng	-0.01
79) Terphenyl-d14	12.83	244	194003	40.28	ng	0.00

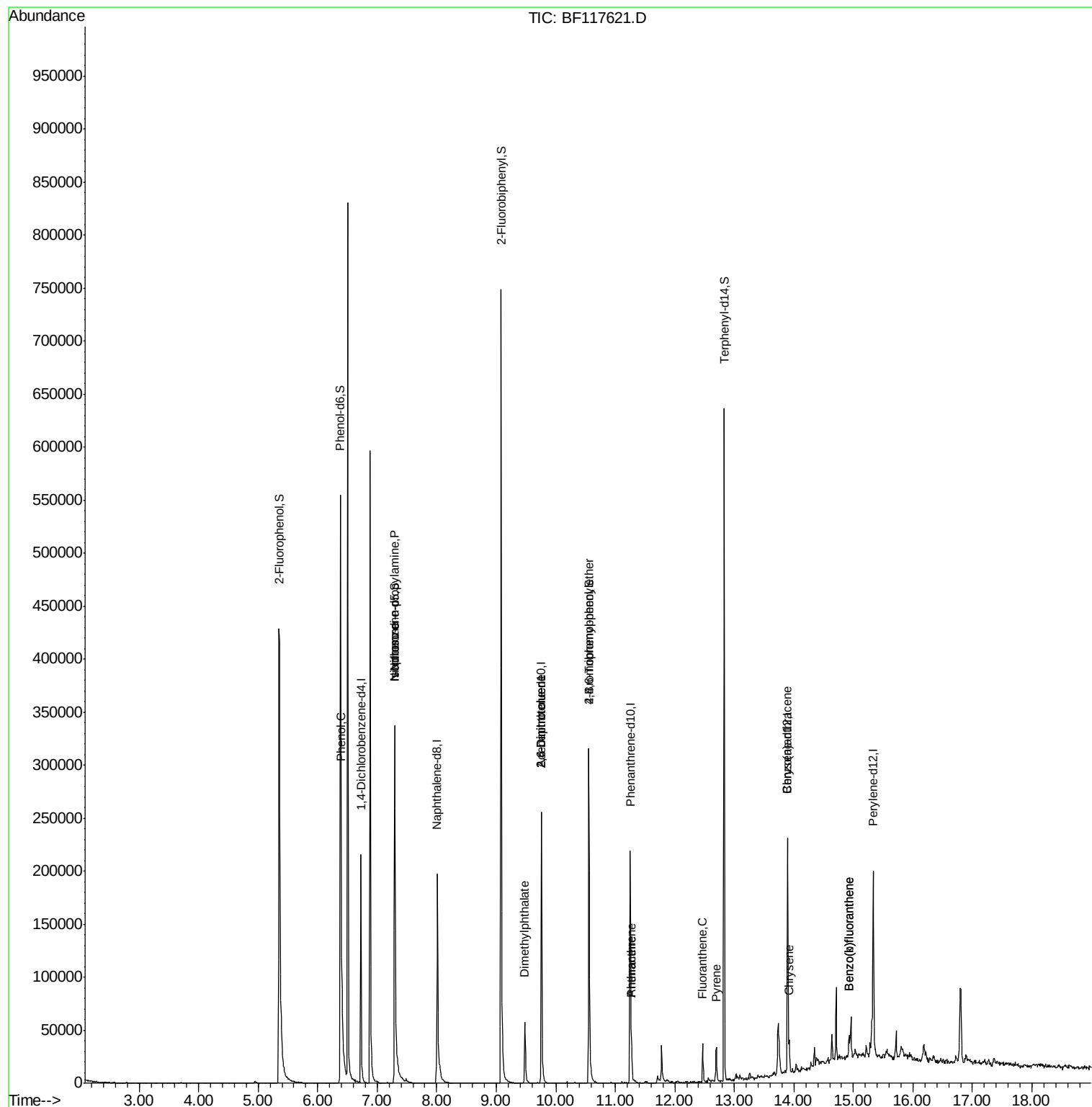
Target Compounds				Qvalue		
9) Benzaldehyde	6.39	77	241	Below Cal	#	3
10) Phenol	6.40	94	12917	3.976	ng	94
19) n-Nitroso-di-n-propylamine	7.29	70	22550	11.600	ng	# 81
25) Isophorone	7.29	82	177516	35.754	ng	# 65
50) Dimethylphthalate	9.48	163	34529	7.350	ng	99
51) 2,6-Dinitrotoluene	9.76	165	8434	8.603	ng	# 22
57) 2,4-Dinitrotoluene	9.76	165	8434	6.471	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	2499	2.398	ng	# 1
71) Phenanthrene	11.27	178	12217	2.175	ng	96
72) Anthracene	11.27	178	12217	2.119	ng	95
75) Fluoranthene	12.47	202	18731	3.331	ng	92
77) Benzidine	12.83	184	2674	Below Cal	#	95
78) Pyrene	12.70	202	15998	2.371	ng	99
81) Benzo(a)anthracene	13.89	228	11313	2.135	ng	97
83) Chrysene	13.92	228	11040	2.125	ng	97
88) Benzo(b)fluoranthene	14.93	252	15307	3.153	ng	# 89
89) Benzo(k)fluoranthene	14.93	252	15307	3.077	ng	# 88

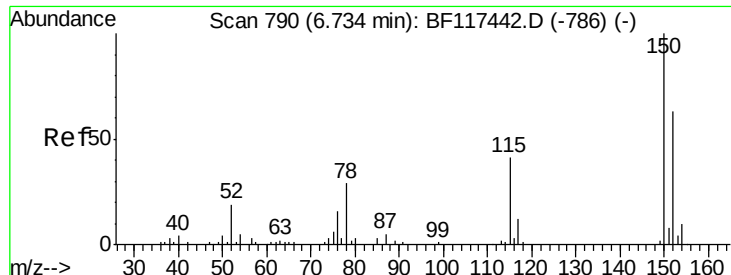
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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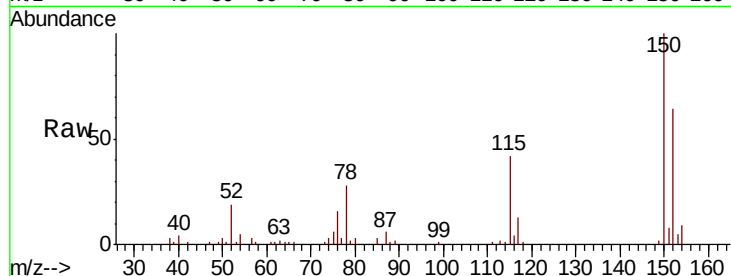




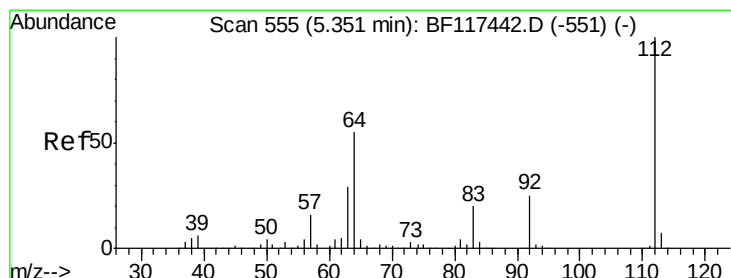
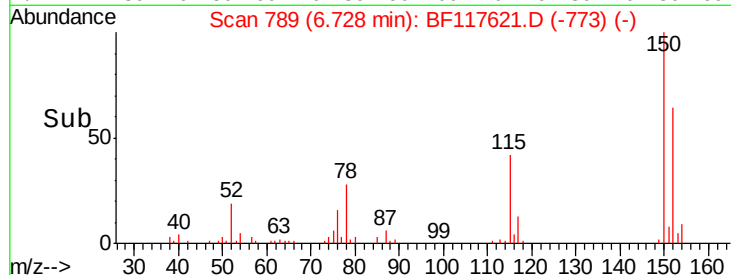
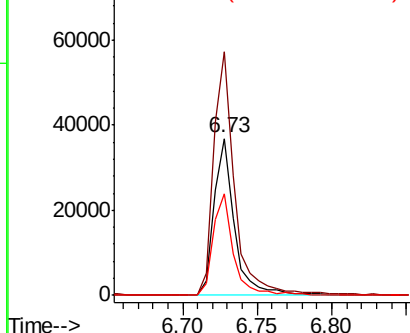
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF117621.D
 Acq: 30 Oct 2019 13:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 35258
 Ion Ratio Lower Upper
 152 100
 150 155.5 126.8 190.2
 115 65.0 51.6 77.4

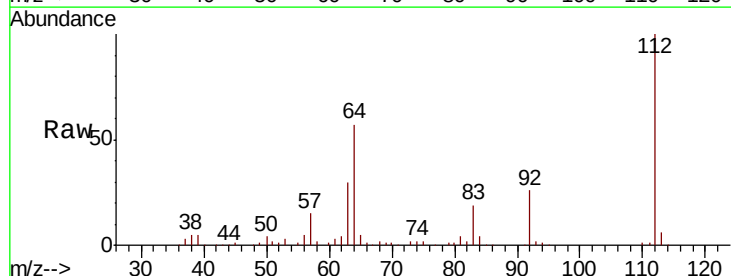


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

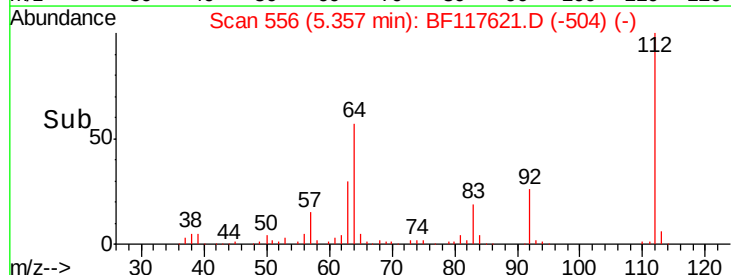
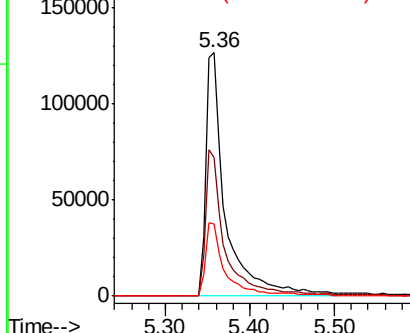


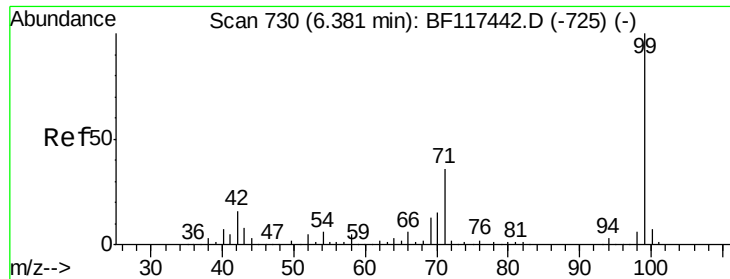
#5
 2-Fluorophenol
 Concen: 87.104 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF117621.D
 Acq: 30 Oct 2019 13:46

Tgt Ion:112 Resp: 206432
 Ion Ratio Lower Upper
 112 100
 64 57.1 44.1 66.1
 63 29.5 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: 92.870 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117621.D

Acq: 30 Oct 2019 13:46

Instrument :

BNA_F

ClientSampled :

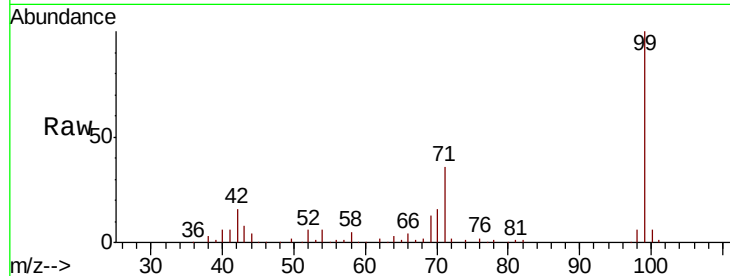
Tot Ion: 99 Resp: 295618

Ion Ratio Lower Upper

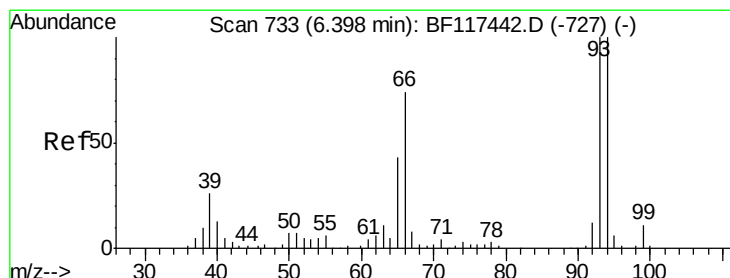
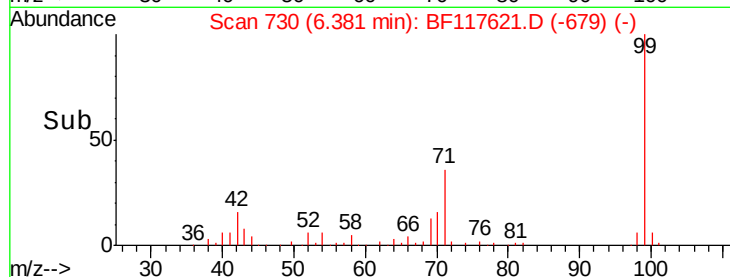
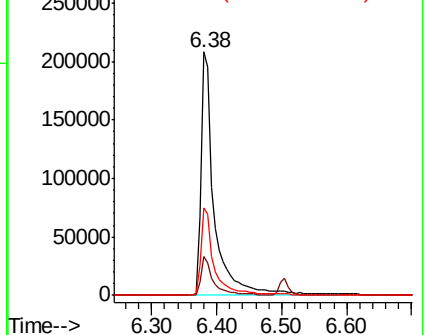
99 100

42 15.8 12.8 19.2

71 36.1 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: 3.976 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117621.D

Acq: 30 Oct 2019 13:46

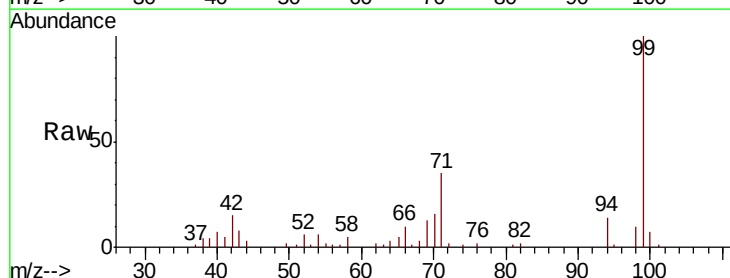
Tgt Ion: 94 Resp: 12917

Ion Ratio Lower Upper

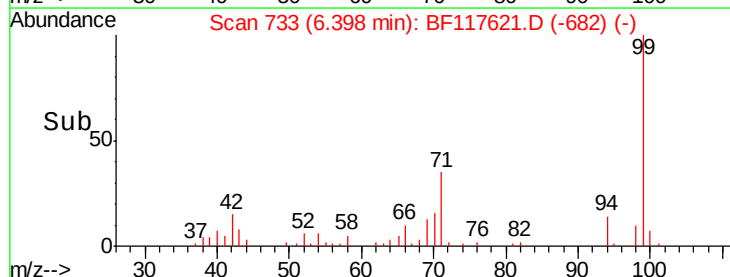
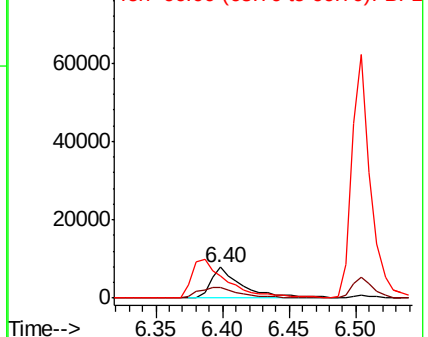
94 100

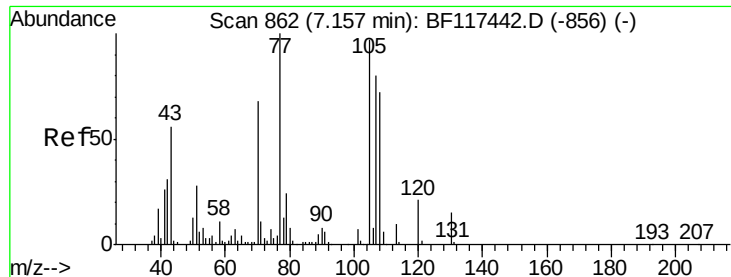
65 36.7 23.4 63.4

66 72.2 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

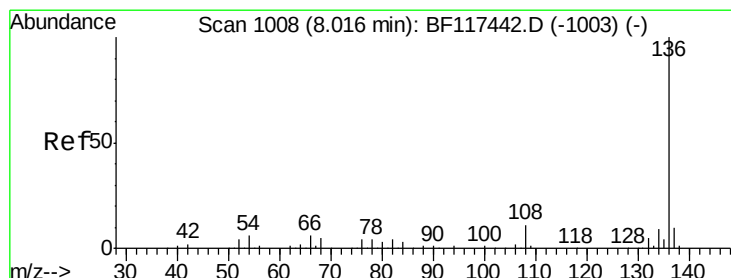
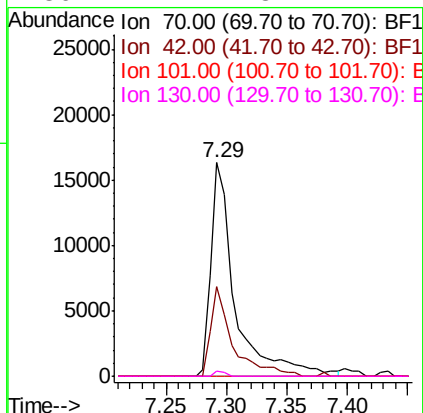
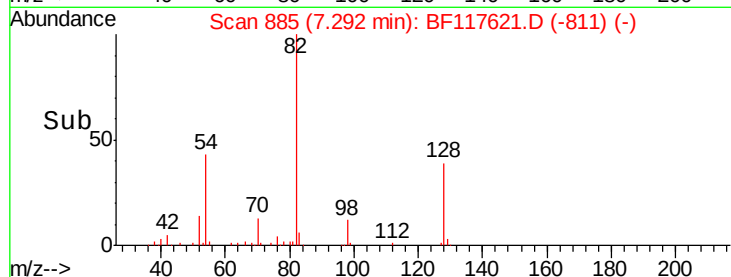
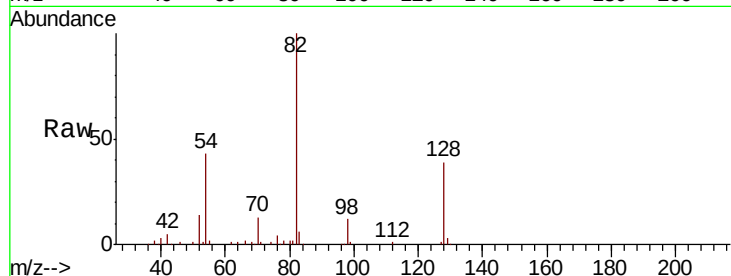




#19
n-Nitroso-di-n-propylamine
Concen: 11.600 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

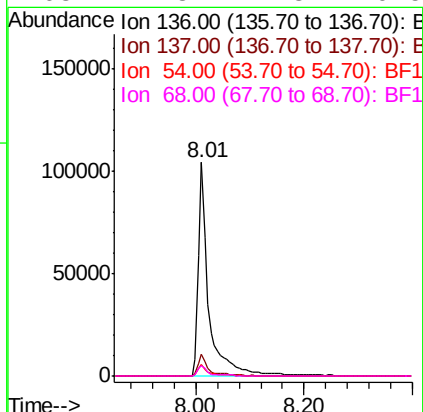
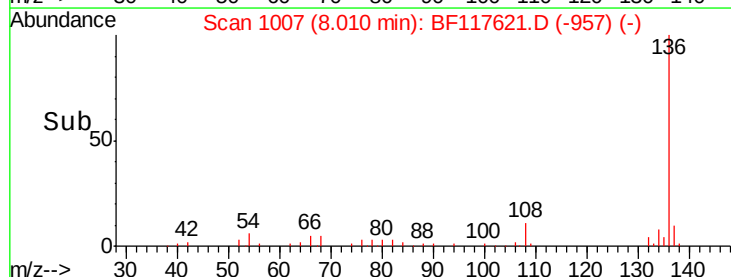
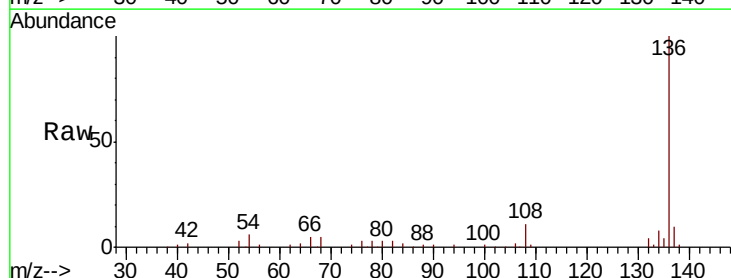
Instrument :
BNA_F
ClientSampled :

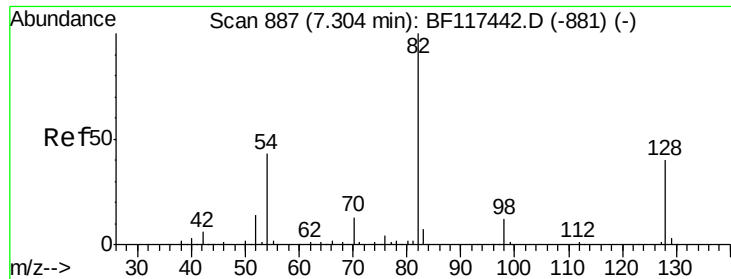
Tot Ion: 70 Resp: 22550
Ion Ratio Lower Upper
70 100
42 42.2 36.7 55.1
101 0.0 8.3 12.5#
130 2.7 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

Tgt Ion:136 Resp: 141686
Ion Ratio Lower Upper
136 100
137 10.1 8.2 12.4
54 5.6 4.5 6.7
68 4.8 4.3 6.5

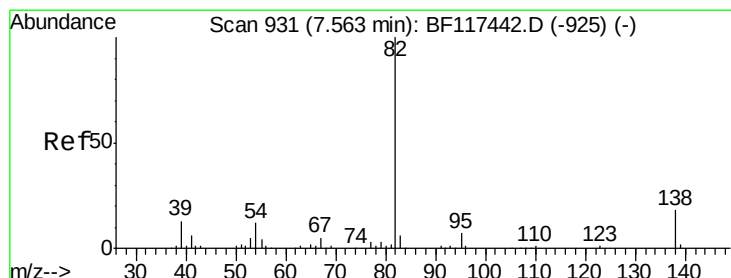
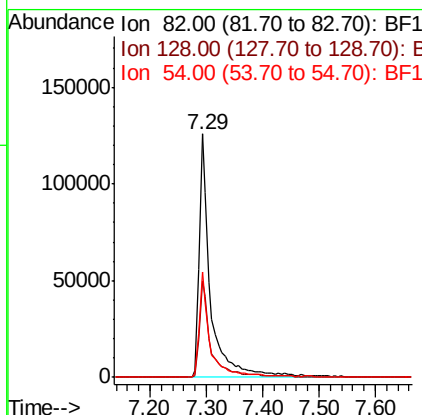
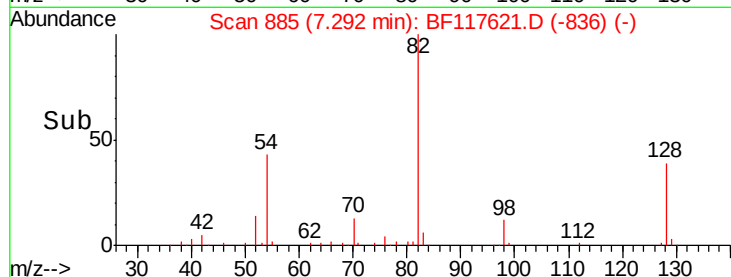
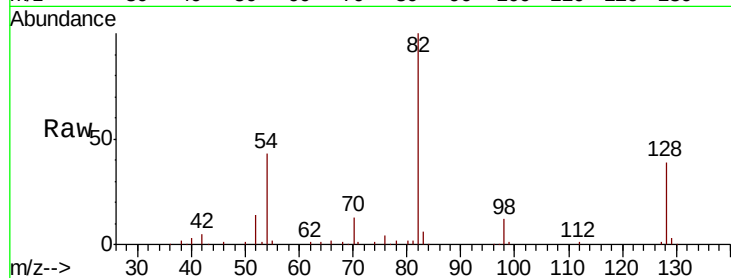




#23
Nitrobenzene-d5
Concen: 61.849 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

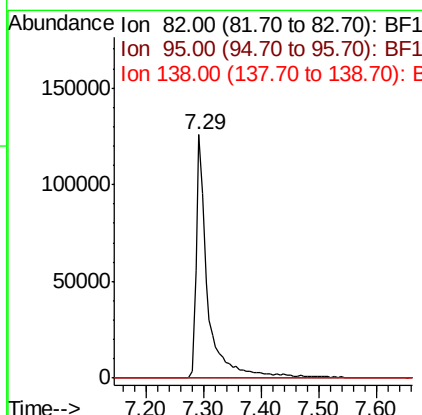
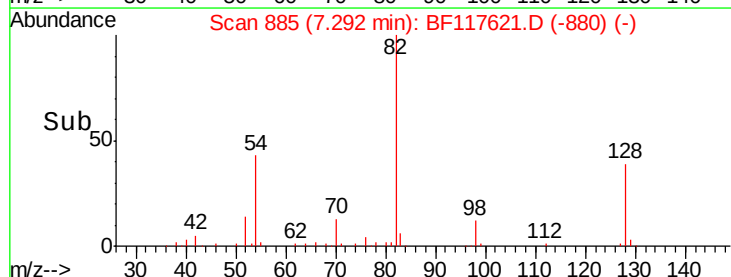
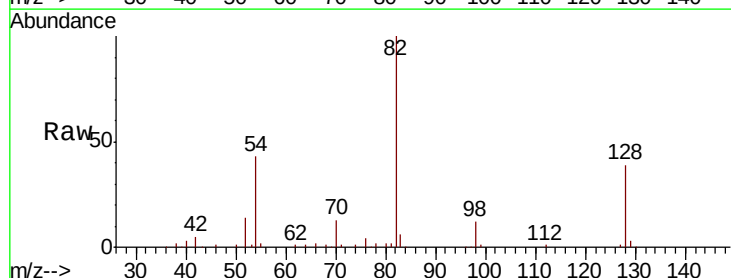
Instrument :
BNA_F
ClientSampleId :

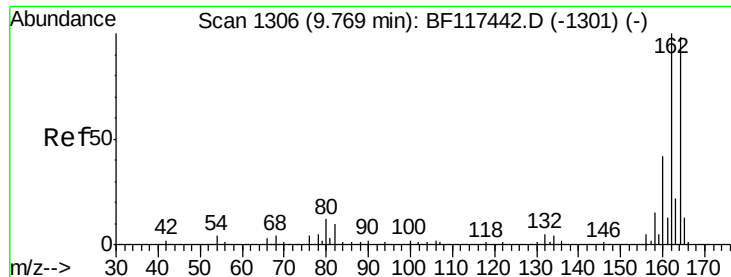
Tot Ion: 82 Resp: 177506
Ion Ratio Lower Upper
82 100
128 39.4 32.2 48.2
54 43.3 34.2 51.2



#25
Isophorone
Concen: 35.754 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

Tgt Ion: 82 Resp: 177516
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: BF117621.D

Acq: 30 Oct 2019 13:46

Instrument :

BNA_F

ClientSampleId :

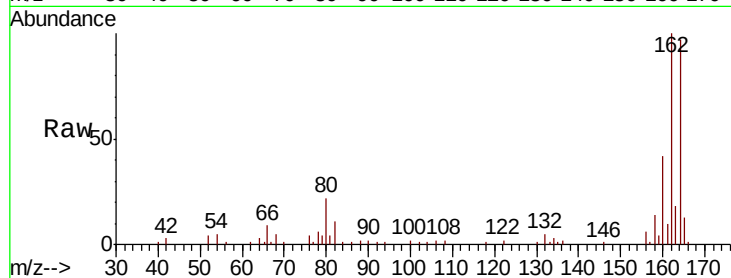
Tot Ion:164 Resp: 65897

Ion Ratio Lower Upper

164 100

162 102.8 81.8 122.6

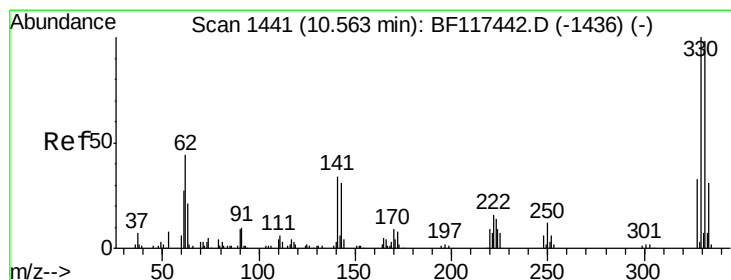
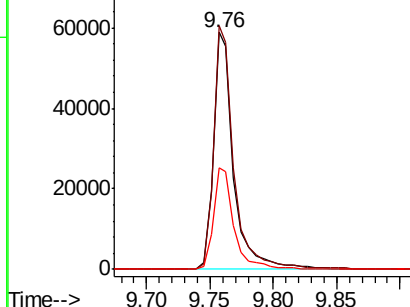
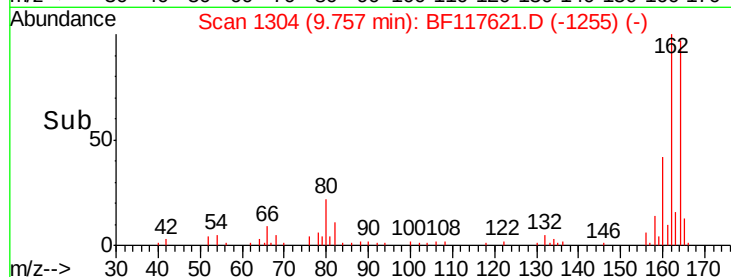
160 42.7 34.4 51.6



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: 75.703 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117621.D

Acq: 30 Oct 2019 13:46

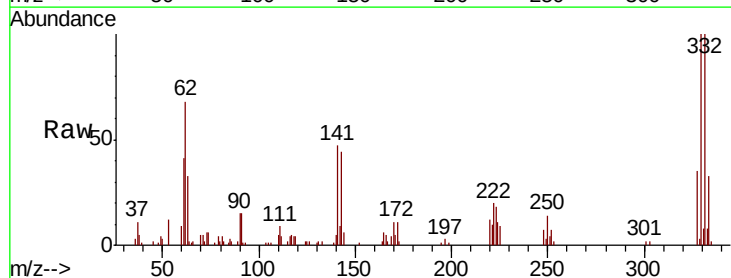
Tgt Ion:330 Resp: 43164

Ion Ratio Lower Upper

330 100

332 97.4 78.5 117.7

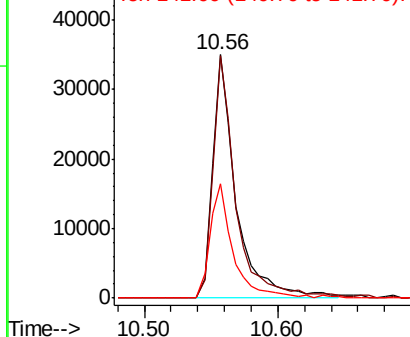
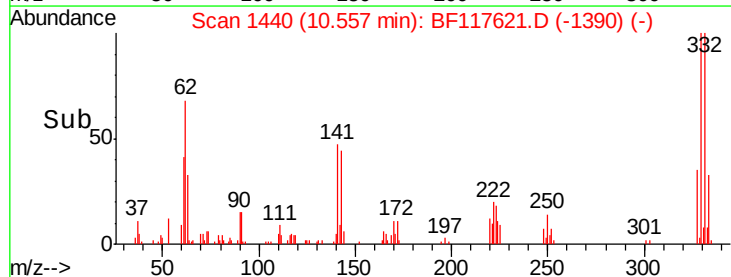
141 45.8 37.0 55.6

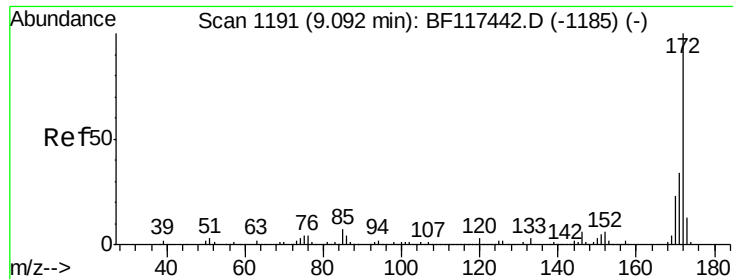


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

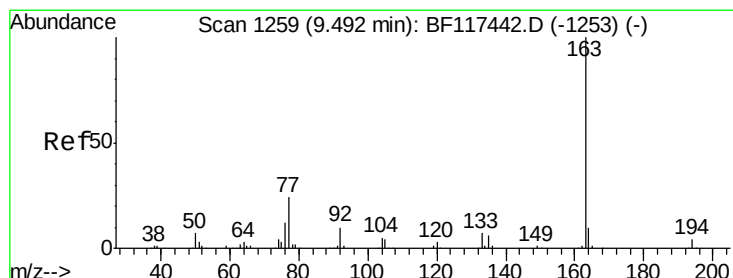
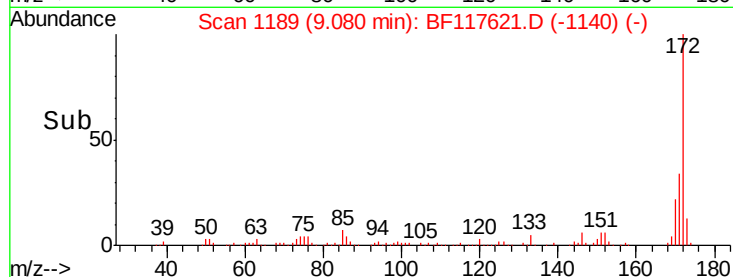
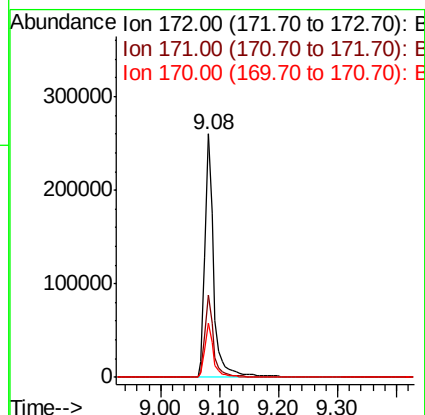
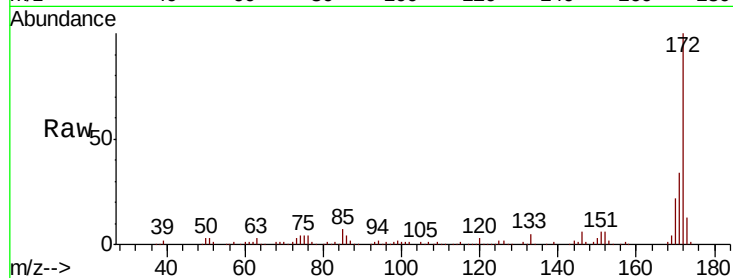




#45
2-Fluorobiphenyl
Concen: 57.195 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

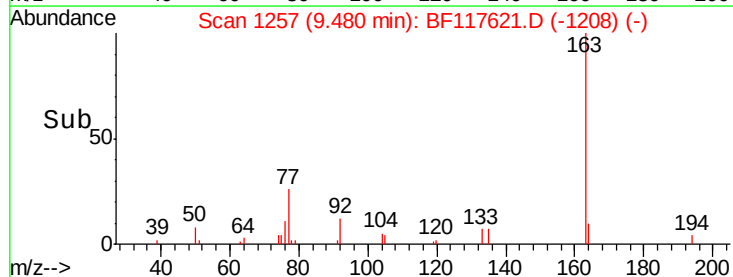
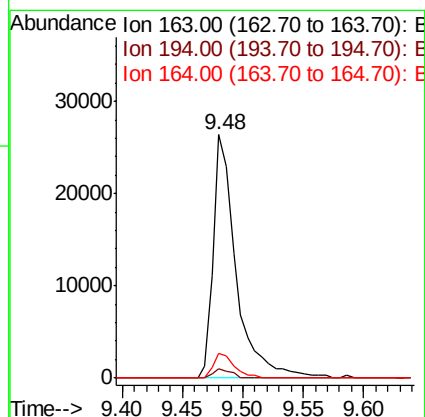
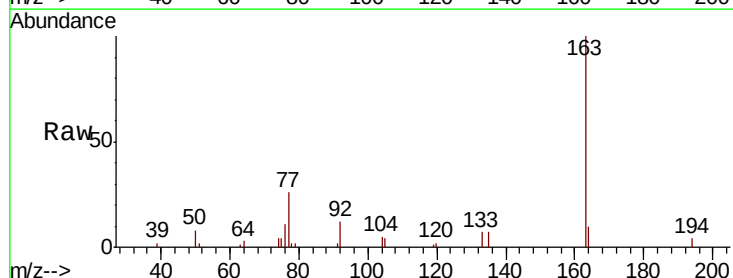
Instrument :
BNA_F
ClientSampleId :

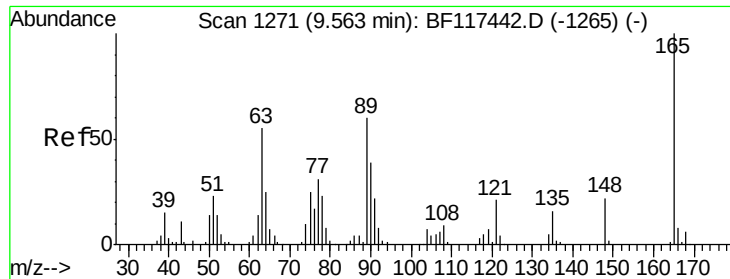
Tot Ion:172 Resp: 267496
Ion Ratio Lower Upper
172 100
171 33.6 27.5 41.3
170 22.4 18.6 27.8



#50
Dimethylphthalate
Concen: 7.350 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

Tgt Ion:163 Resp: 34529
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 9.9 8.2 12.2

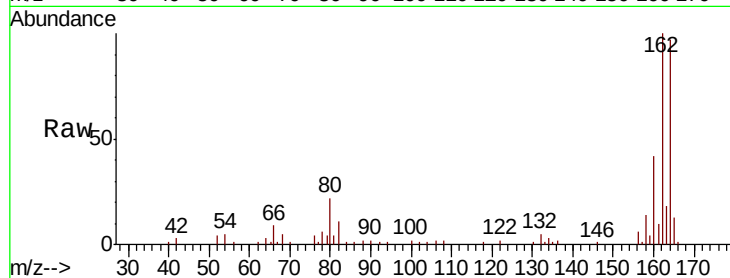




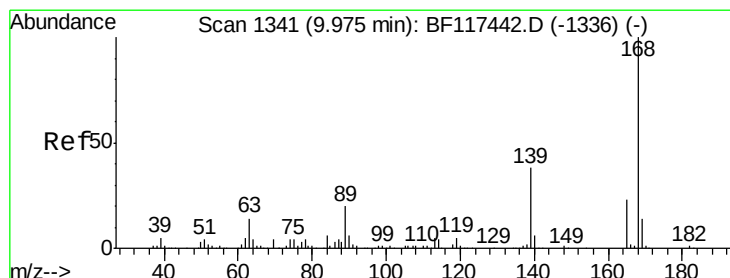
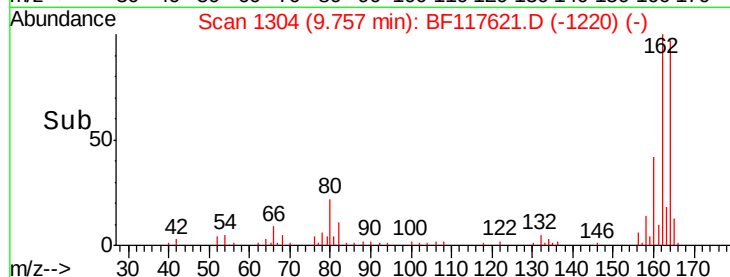
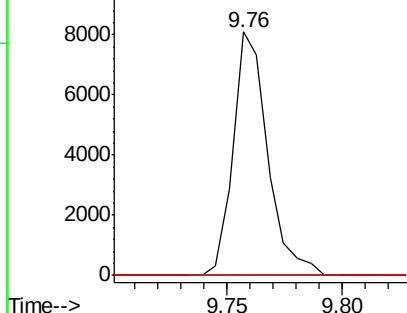
#51
 2,6-Dinitrotoluene
 Concen: 8.603 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.19 min
 Lab File: BF117621.D
 Acq: 30 Oct 2019 13:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 8434
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.8 65.8#
 89 0.0 47.6 71.4#

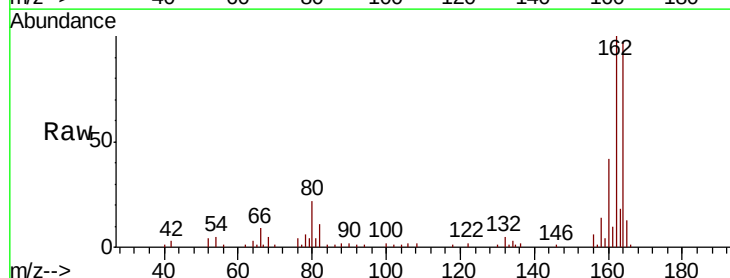


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

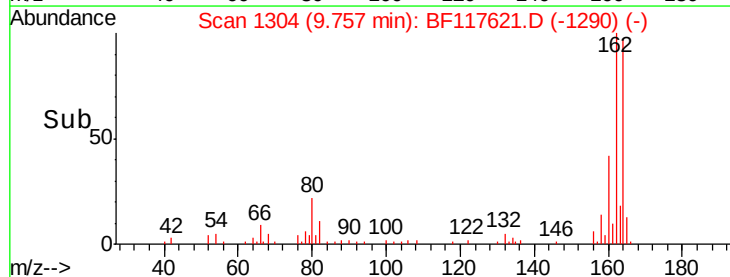
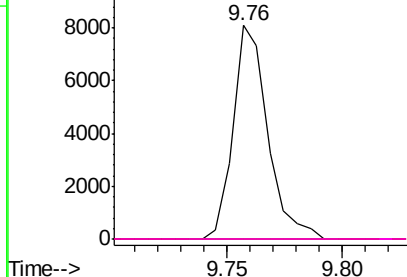


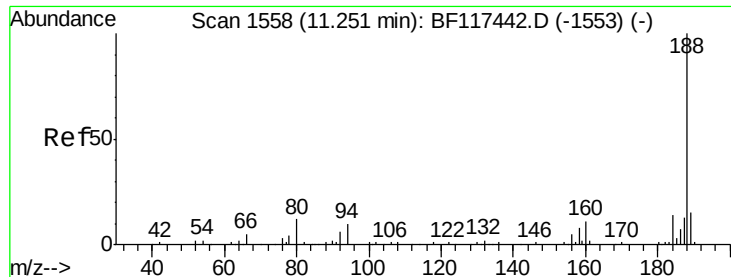
#57
 2,4-Dinitrotoluene
 Concen: 6.471 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.22 min
 Lab File: BF117621.D
 Acq: 30 Oct 2019 13:46

Tgt Ion:165 Resp: 8434
 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: BF117621.D

Acq: 30 Oct 2019 13:46

Instrument :

BNA_F

ClientSampled :

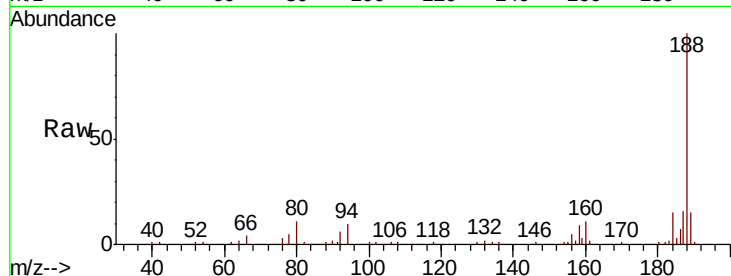
Tot Ion:188 Resp: 96749

Ion Ratio Lower Upper

188 100

94 9.6 8.0 12.0

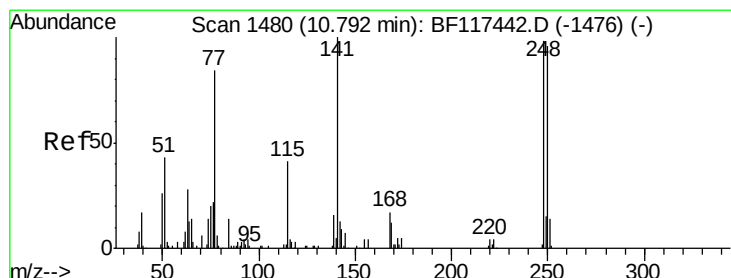
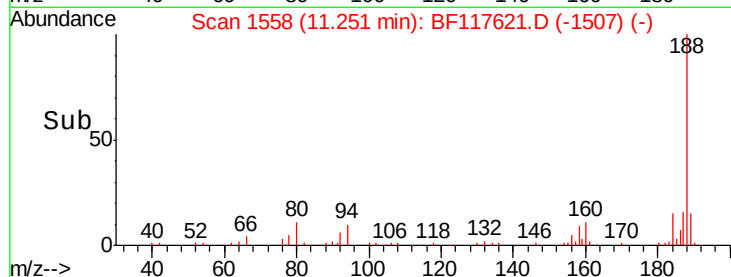
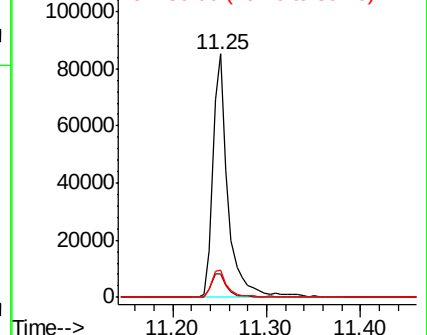
80 11.5 9.5 14.3



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: 2.398 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117621.D

Acq: 30 Oct 2019 13:46

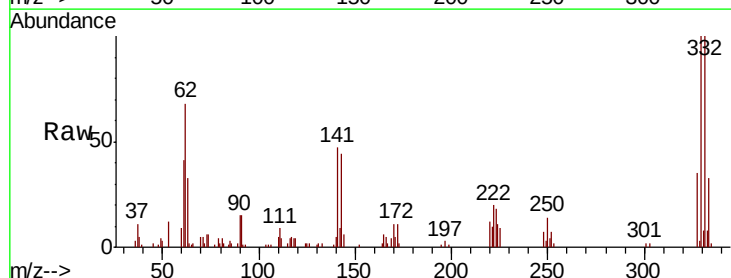
Tgt Ion:248 Resp: 2499

Ion Ratio Lower Upper

248 100

250 194.6 78.0 117.0#

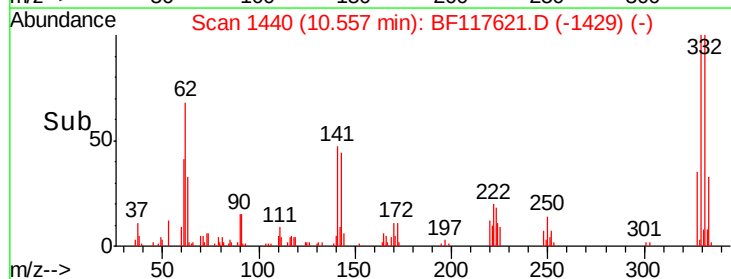
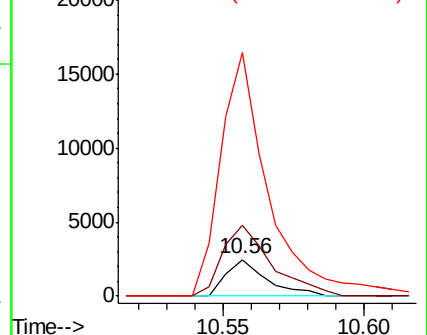
141 668.6 81.7 122.5#

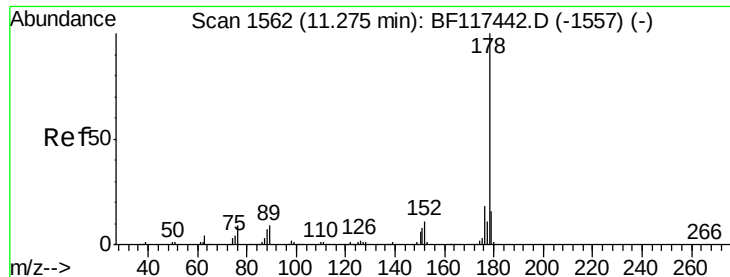


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 2.175 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117621.D

Acq: 30 Oct 2019 13:46

Instrument :

BNA_F

ClientSampleId :

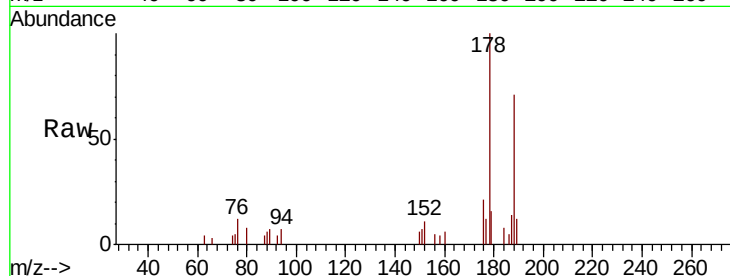
Tot Ion:178 Resp: 12217

Ion Ratio Lower Upper

178 100

176 21.0 14.6 22.0

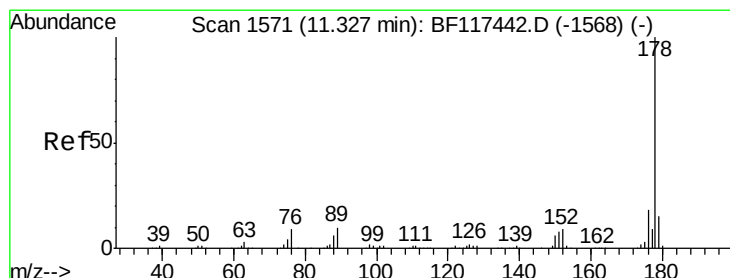
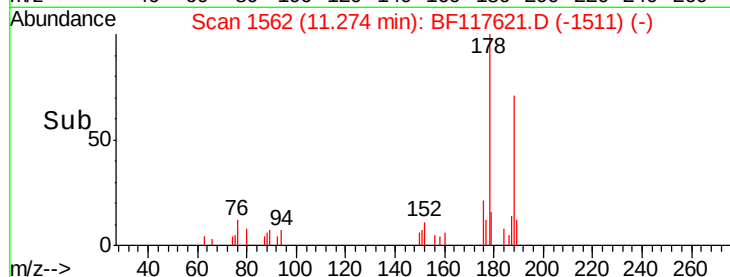
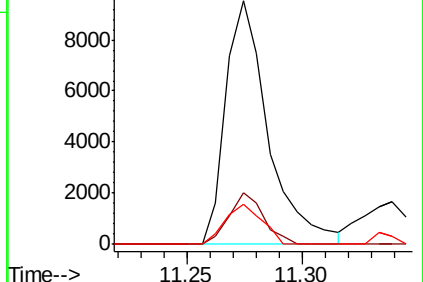
179 16.4 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 2.119 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.05 min

Lab File: BF117621.D

Acq: 30 Oct 2019 13:46

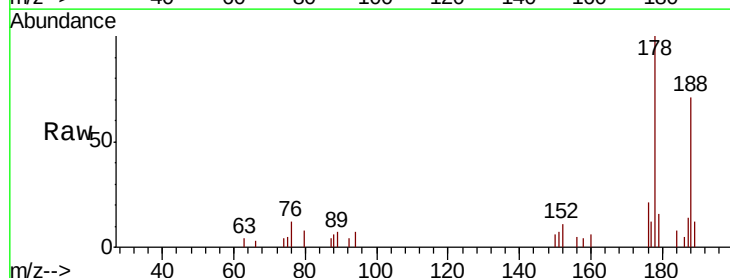
Tgt Ion:178 Resp: 12217

Ion Ratio Lower Upper

178 100

176 21.0 14.7 22.1

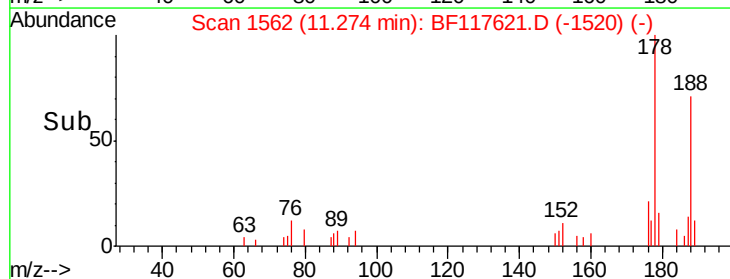
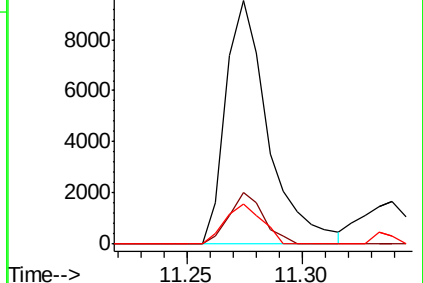
179 16.4 12.2 18.2

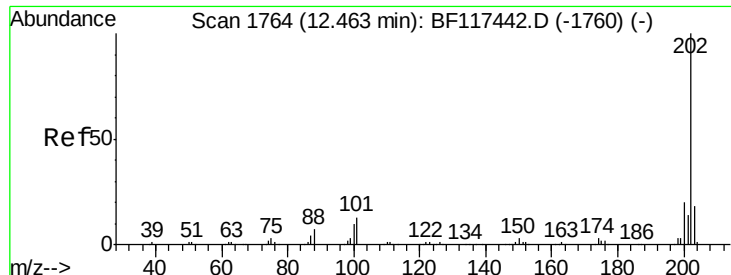


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

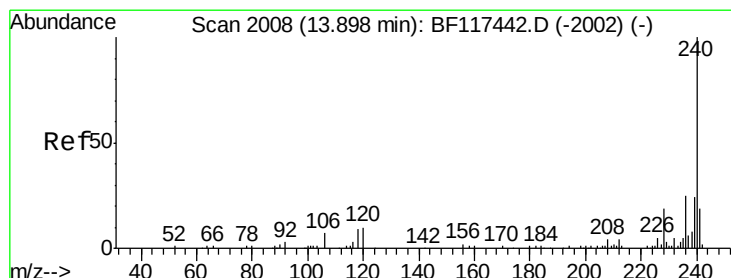
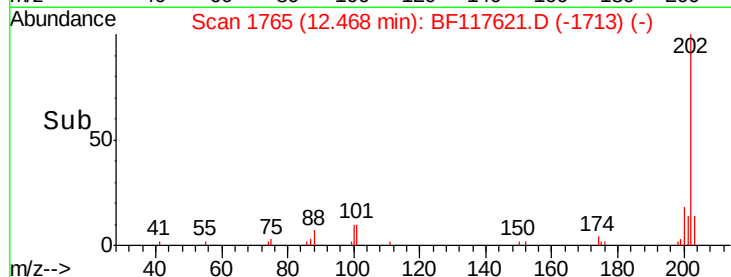
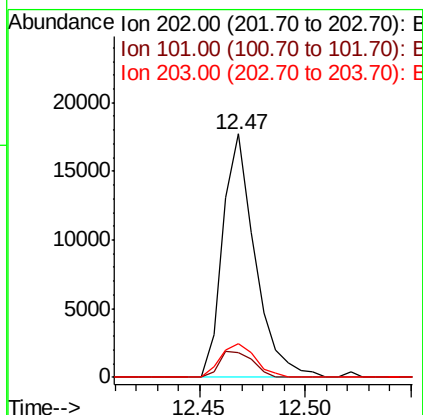
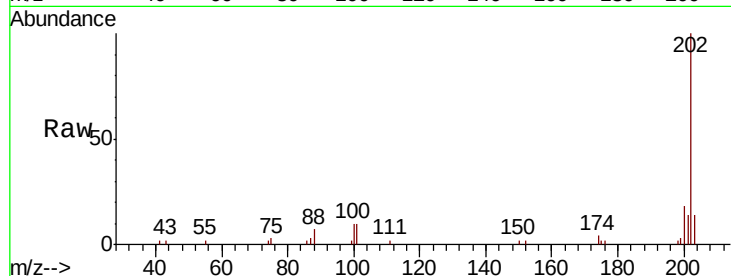




#75
 Fluoranthene
 Concen: 3.331 ng
 RT: 12.47 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: BF117621.D
 Acq: 30 Oct 2019 13:46

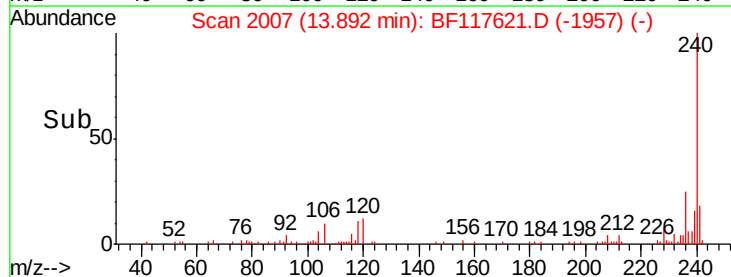
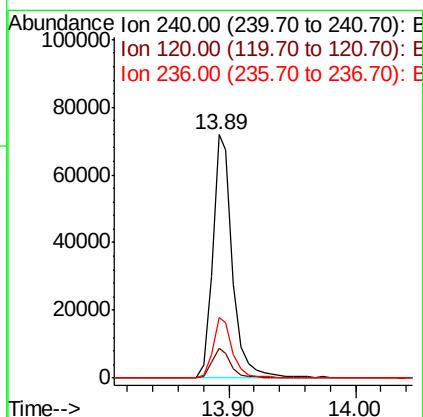
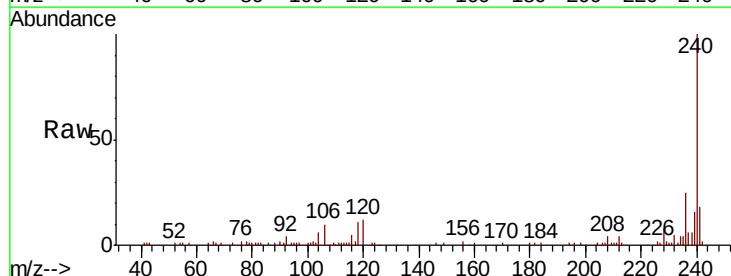
Instrument :
 BNA_F
 ClientSampled :

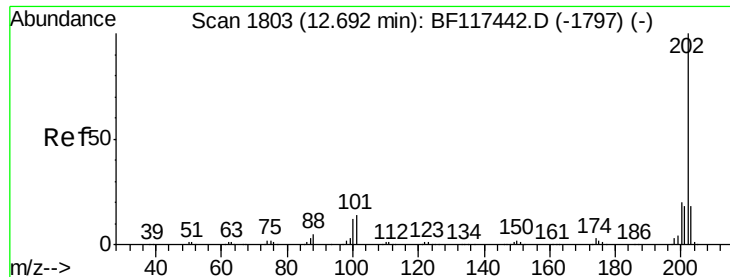
Tot Ion:202 Resp: 18731
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 32.7
 203 13.7 0.0 37.6



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF117621.D
 Acq: 30 Oct 2019 13:46

Tgt Ion:240 Resp: 78569
 Ion Ratio Lower Upper
 240 100
 120 12.2 8.4 12.6
 236 24.7 20.0 30.0

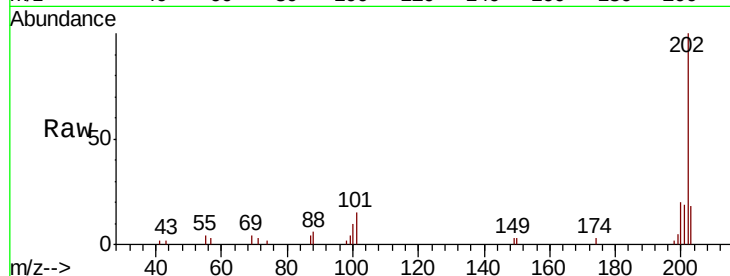




#78
Pvrene
Concen: 2.371 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.2	24.2
203	18.2	14.0	21.0

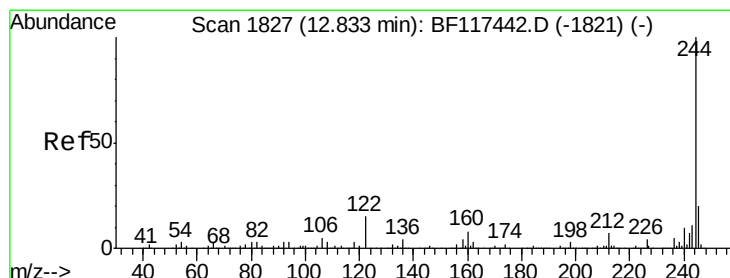
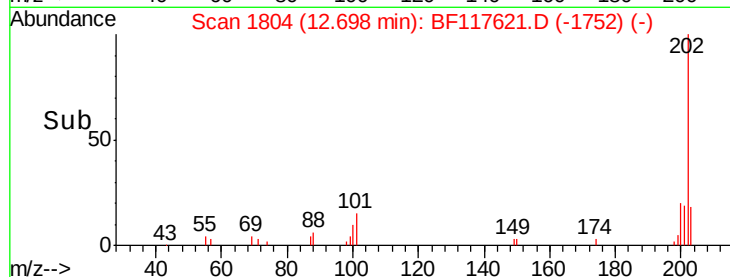
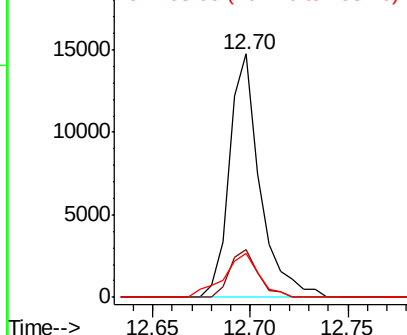


Abundance

Ion 202.00 (201.70 to 202.70): E

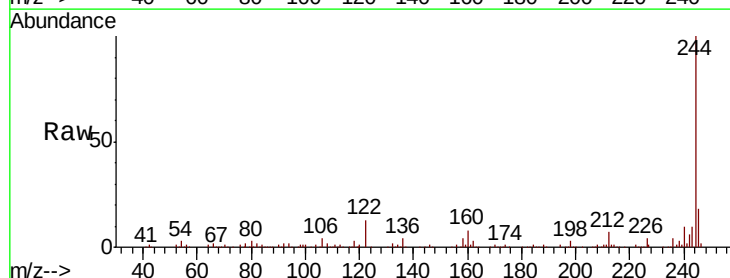
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 40.276 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	12.8	11.8	17.8

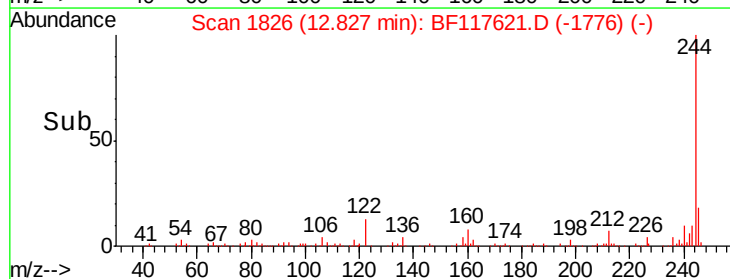
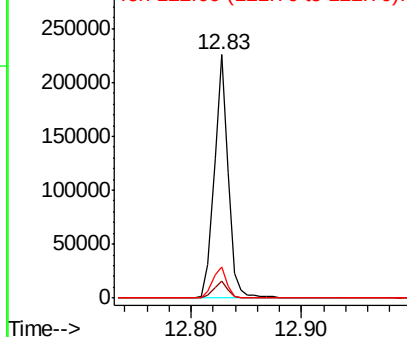


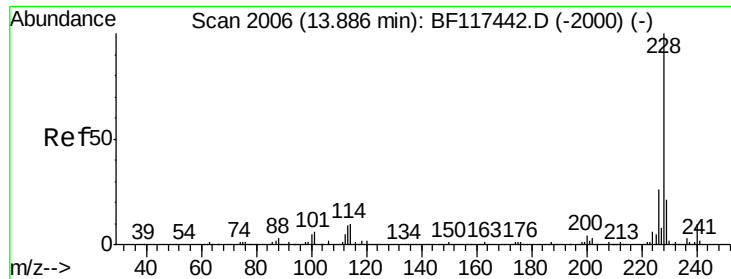
Abundance

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

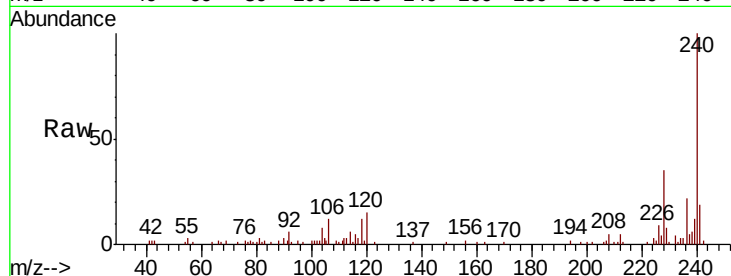




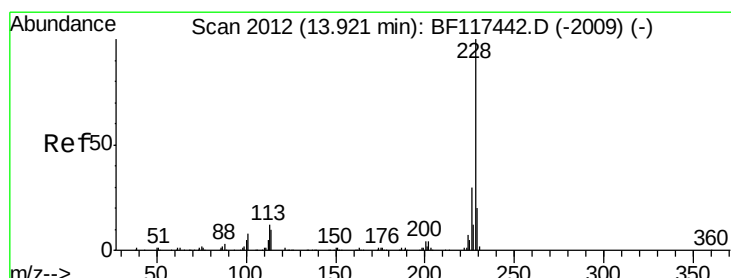
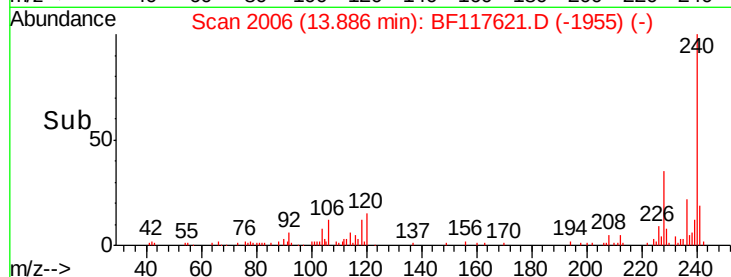
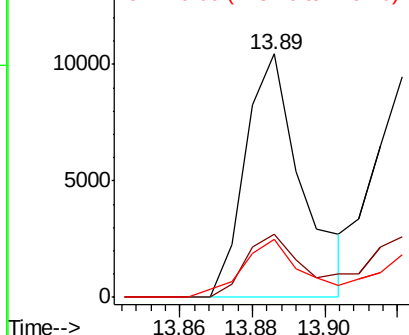
#81
Benzo(a)anthracene
Concen: 2.135 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.0	31.4
229	23.8	16.4	24.6

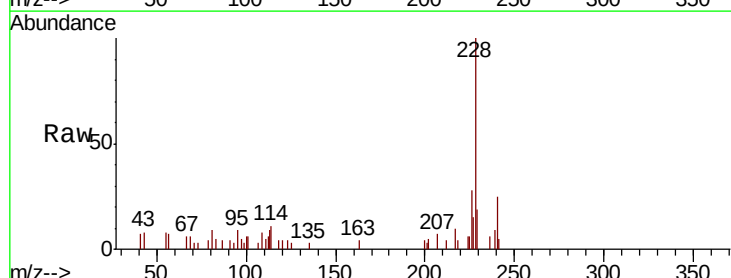


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

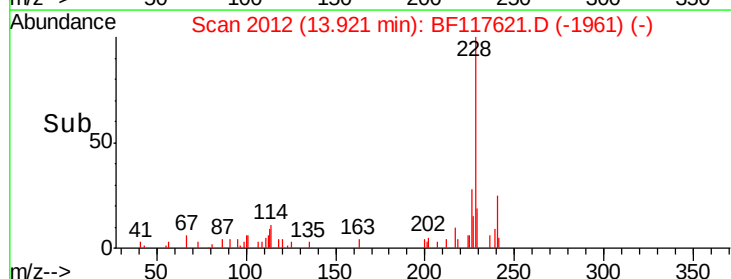
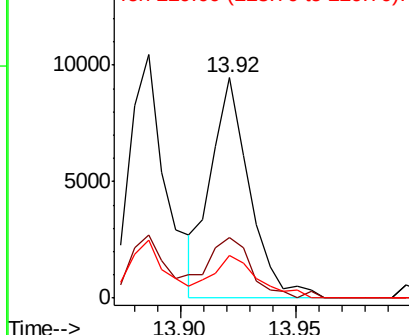


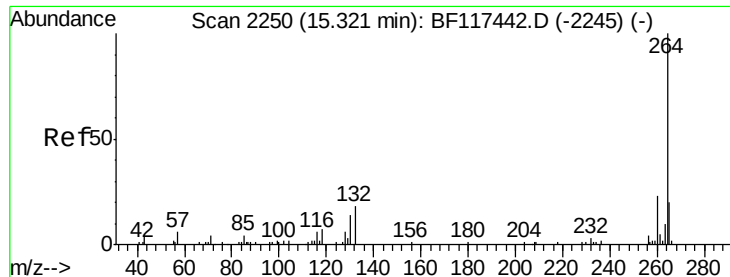
#83
Chrysene
Concen: 2.125 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	23.9	35.9
229	19.1	15.8	23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

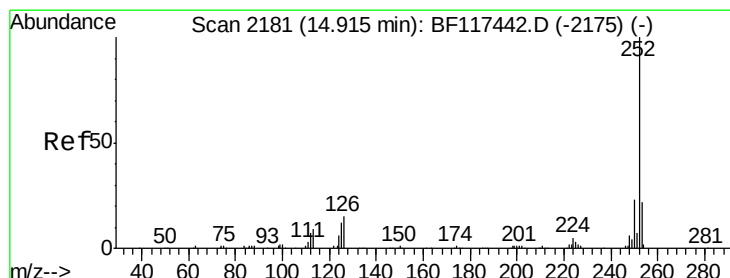
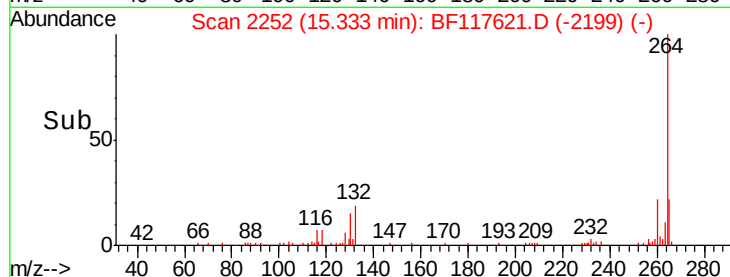
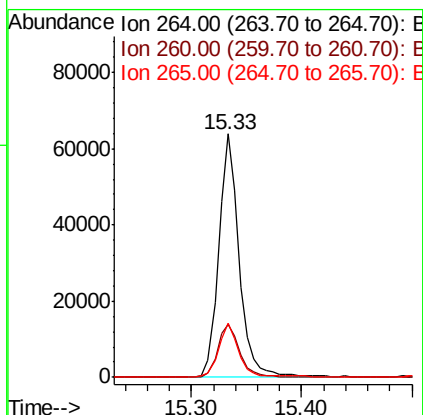
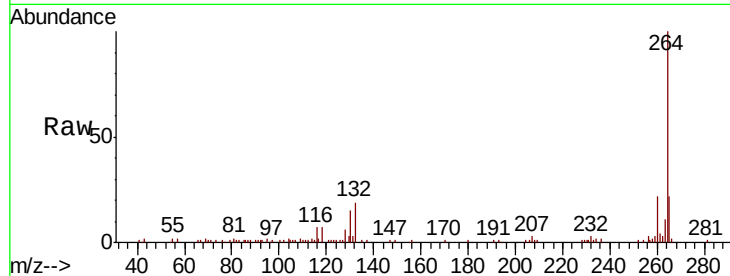




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

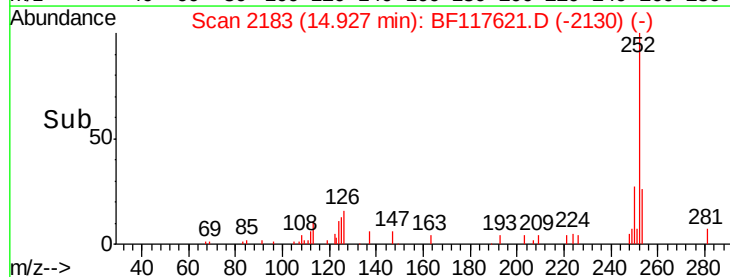
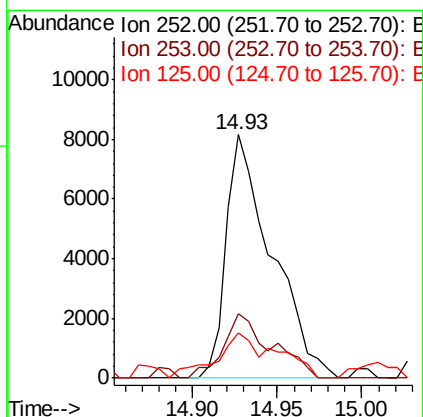
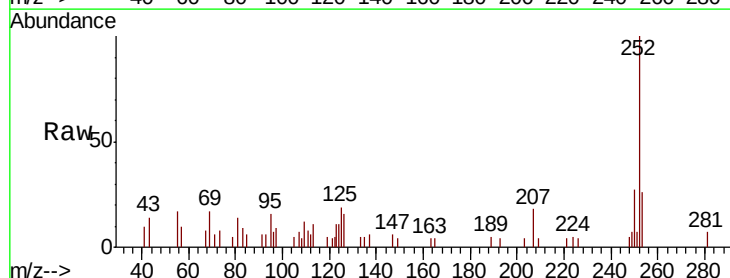
Instrument :
BNA_F
ClientSampleId :

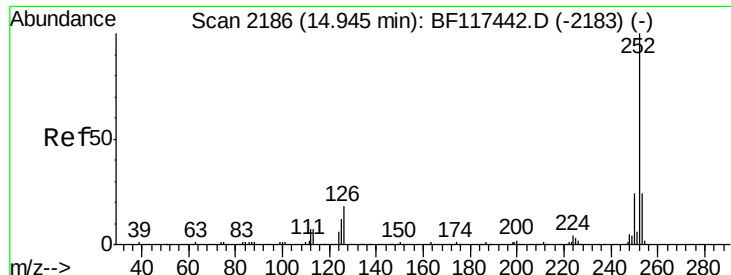
Tot Ion:264 Resp: 82202
Ion Ratio Lower Upper
264 100
260 21.8 18.4 27.6
265 22.1 16.1 24.1



#88
Benzo(b)fluoranthene
Concen: 3.153 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117621.D
Acq: 30 Oct 2019 13:46

Tgt Ion:252 Resp: 15307
Ion Ratio Lower Upper
252 100
253 26.4 17.8 26.6
125 18.5 9.9 14.9#





#89
 Benzo(k)fluoranthene
 Concen: 3.077 ng
 RT: 14.93 min Scan# 2183
 Delta R.T. -0.02 min
 Lab File: BF117621.D
 Acq: 30 Oct 2019 13:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.0	27.0
125	18.5	8.9	13.3

