

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
 Data File : BF117297.D
 Acq On : 2 Oct 2019 14:11
 Operator : JU
 Sample : K5137-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 01:30:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

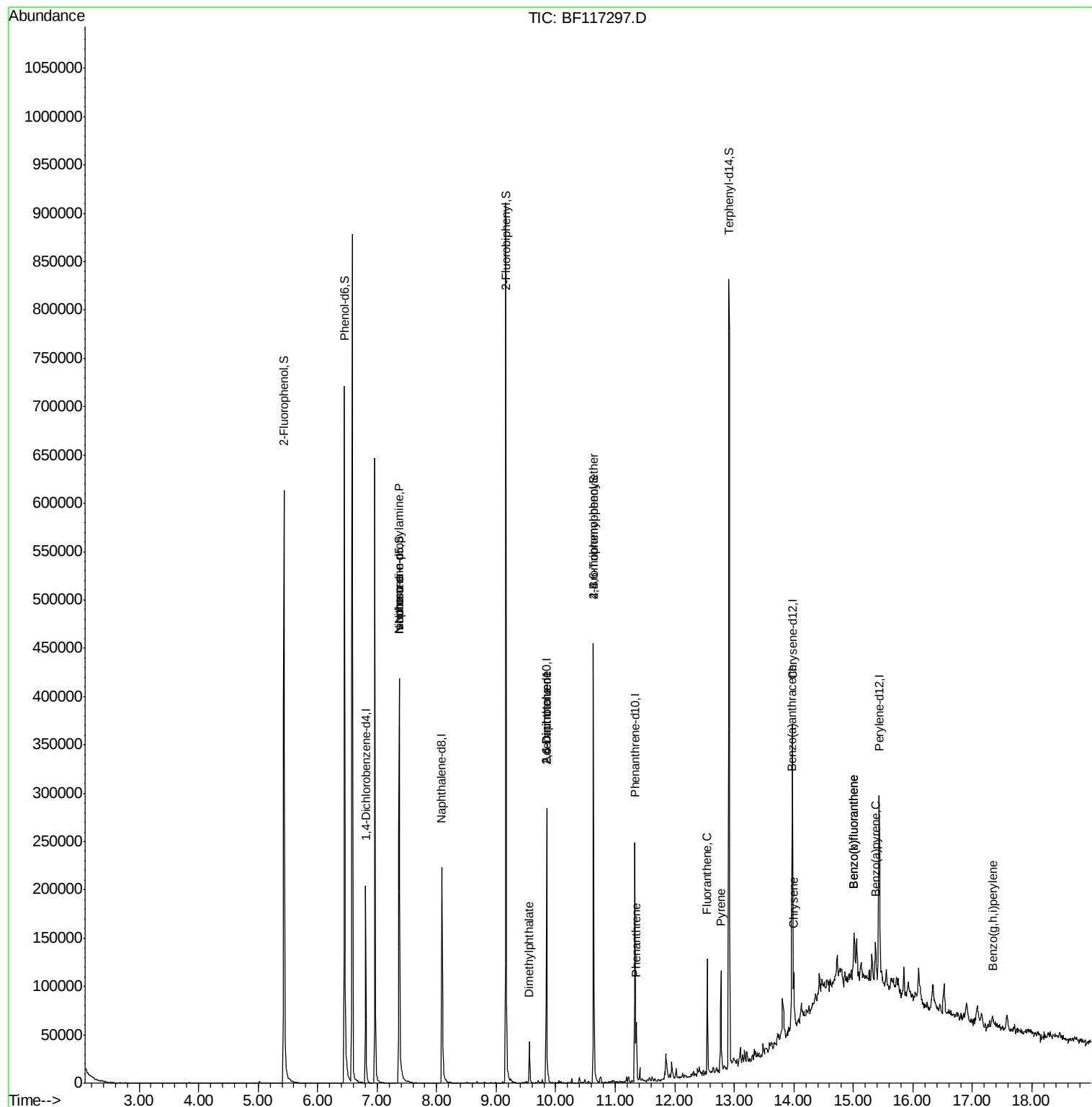
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	34925	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	136949	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	67237	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	104870	20.00	ng	0.00
76) Chrysene-d12	13.97	240	91153	20.00	ng	0.00
87) Perylene-d12	15.43	264	73942	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	195121	87.22	ng	0.00
7) Phenol-d6	6.45	99	264065	91.34	ng	0.00
23) Nitrobenzene-d5	7.37	82	157658	60.49	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	50463	89.80	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	280710	65.28	ng	-0.01
79) Terphenyl-d14	12.92	244	272230	55.82	ng	0.00
Target Compounds				Qvalue		
9) Benzaldehyde	6.58	77	5465	Below Cal	#	69
19) n-Nitroso-di-n-propylamine	7.37	70	20749	11.786	ng	# 81
25) Isophorone	7.37	82	157672	34.166	ng	# 66
50) Dimethylphthalate	9.56	163	18975	3.986	ng	99
51) 2,6-Dinitrotoluene	9.85	165	8396	8.659	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	8396	6.671	ng	# 18
67) 4-Bromophenyl-phenylether	10.63	248	2939	2.744	ng	# 1
71) Phenanthrene	11.35	178	22976	3.857	ng	97
75) Fluoranthene	12.55	202	45299	7.401	ng	98
78) Pyrene	12.77	202	42428	5.547	ng	97
81) Benzo(a)anthracene	13.96	228	21609	3.548	ng	95
83) Chrysene	14.00	228	21128	3.557	ng	# 93
88) Benzo(b)fluoranthene	15.01	252	29172	6.513	ng	# 88
89) Benzo(k)fluoranthene	15.01	252	29172	6.876	ng	# 87
90) Benzo(a)pyrene	15.37	252	15036	3.826	ng	# 93
92) Benzo(g,h,i)perylene	17.33	276	6663	2.136	ng	# 89

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

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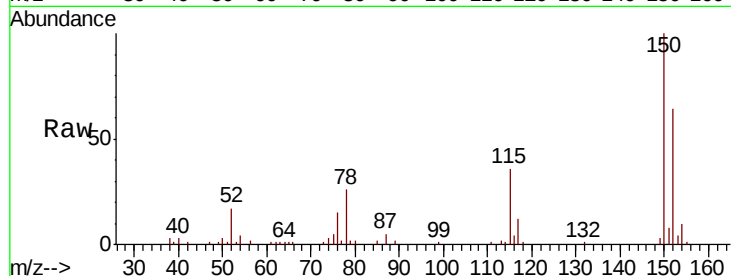


#1

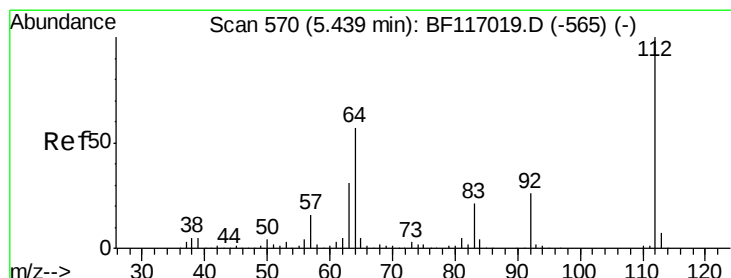
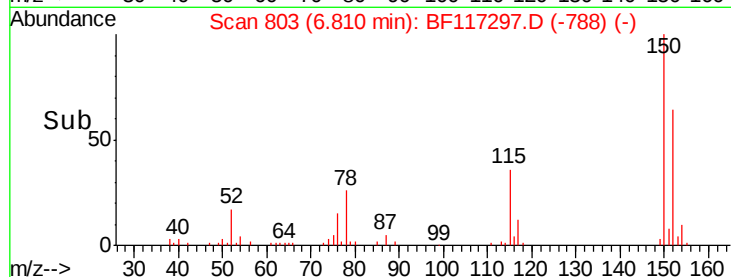
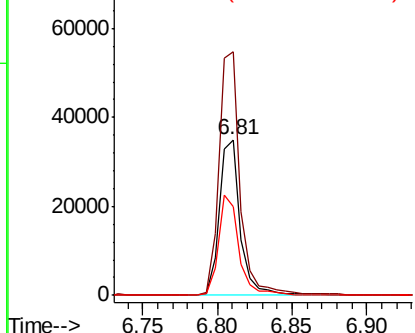
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117297.D
Acq: 2 Oct 2019 14:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 34925
Ion Ratio Lower Upper
152 100
150 156.1 127.5 191.3
115 56.6 55.0 82.4



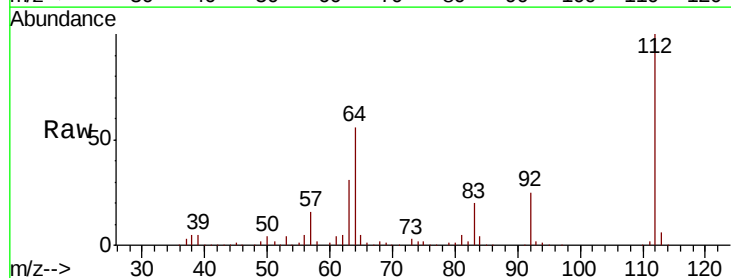
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



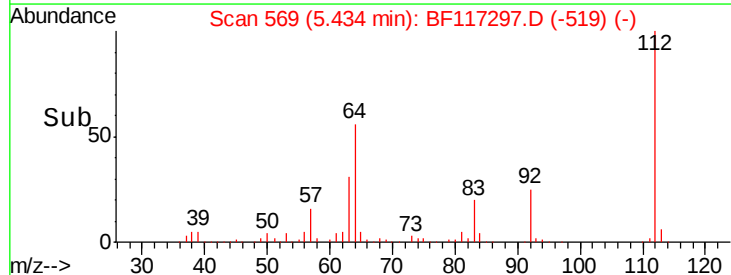
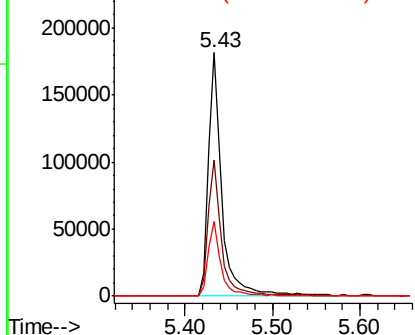
#5

2-Fluorophenol
Concen: 87.225 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117297.D
Acq: 2 Oct 2019 14:11

Tgt Ion:112 Resp: 195121
Ion Ratio Lower Upper
112 100
64 56.1 45.7 68.5
63 30.6 24.9 37.3



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: 91.340 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117297.D

Acq: 2 Oct 2019 14:11

Instrument :

BNA_F

ClientSampleId :

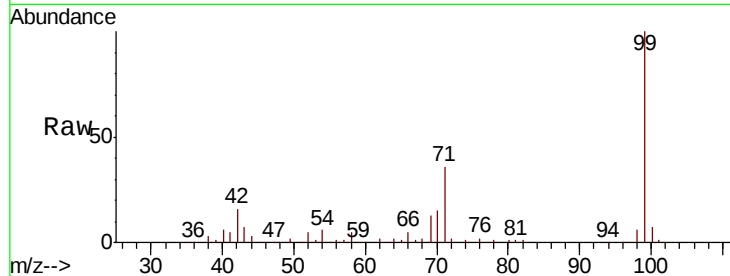
Tot Ion: 99 Resp: 264065

Ion Ratio Lower Upper

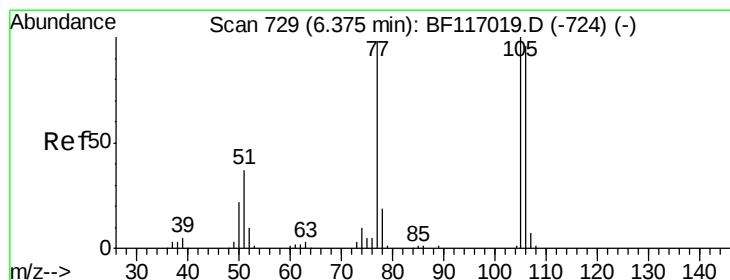
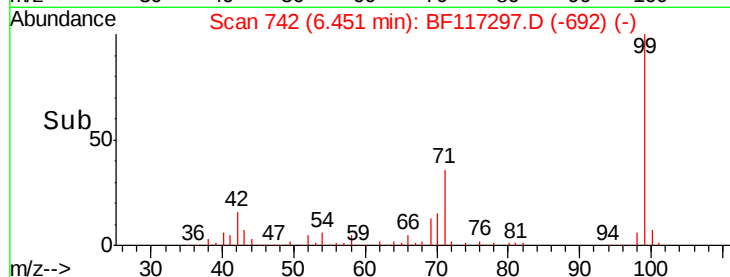
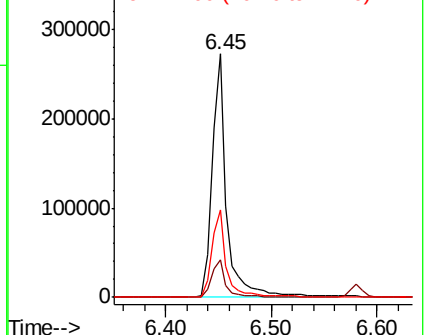
99 100

42 15.6 12.2 18.2

71 36.0 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.58 min Scan# 764

Delta R.T. 0.21 min

Lab File: BF117297.D

Acq: 2 Oct 2019 14:11

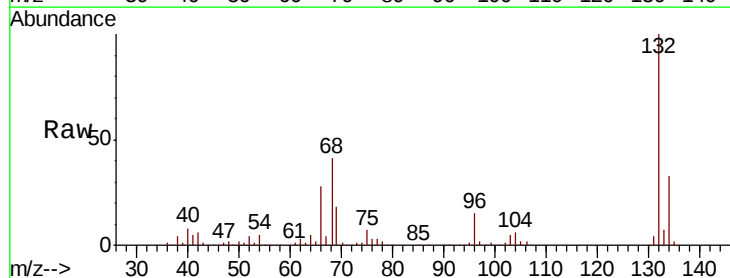
Tgt Ion: 77 Resp: 5465

Ion Ratio Lower Upper

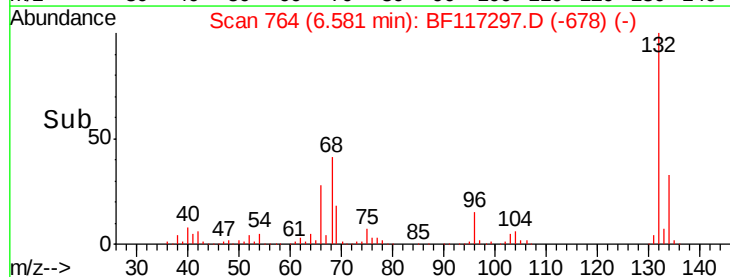
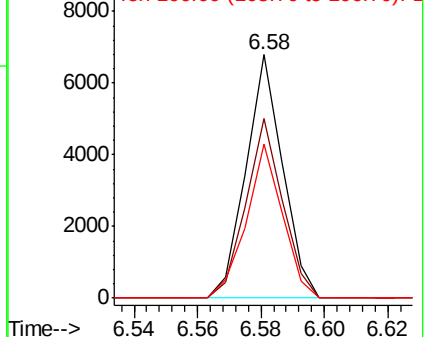
77 100

105 74.0 81.8 121.8#

106 63.2 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

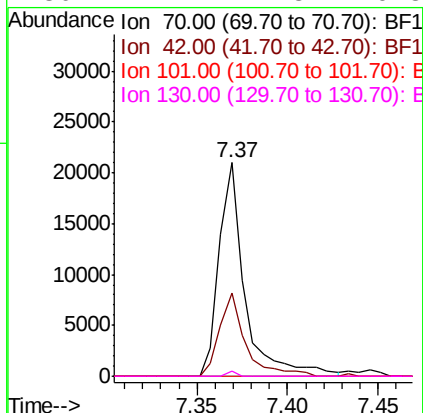
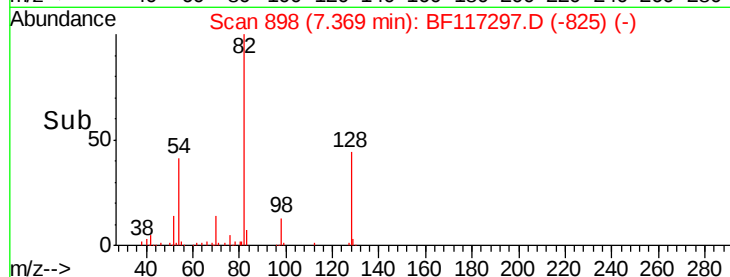
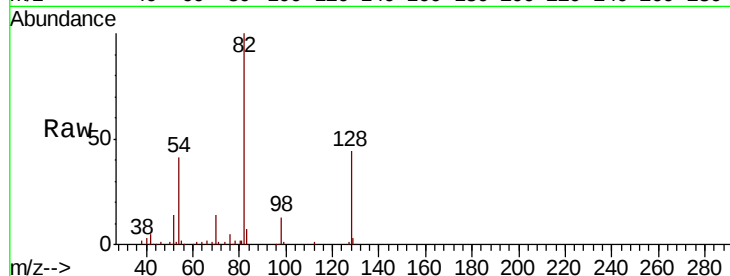




#19
n-Nitroso-di-n-propylamine
Concen: 11.786 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.13 min
Lab File: BF117297.D
Acq: 2 Oct 2019 14:11

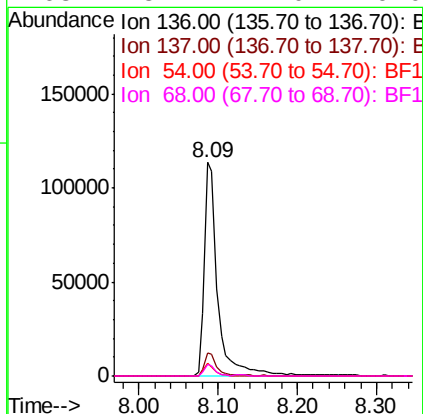
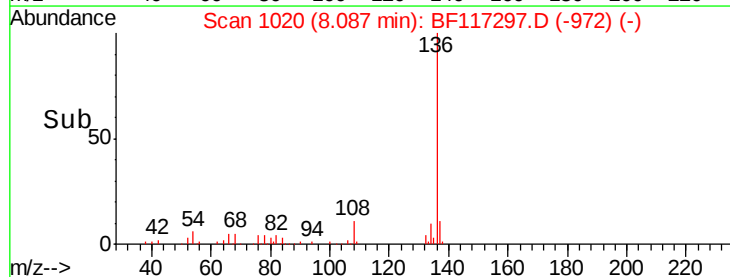
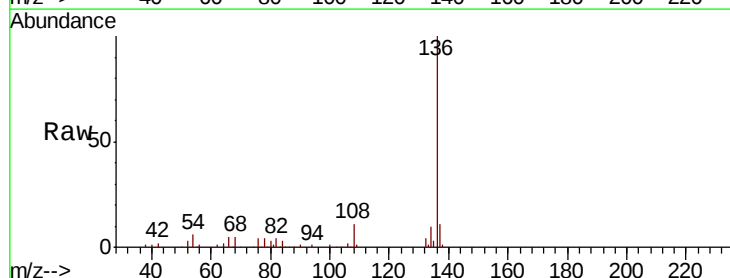
Instrument :
BNA_F
ClientSampleId :

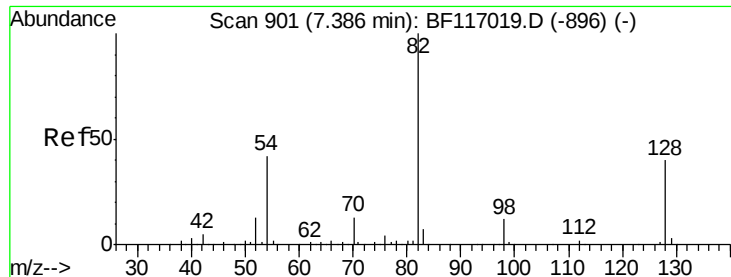
Tot Ion: 70 Resp: 20749
Ion Ratio Lower Upper
70 100
42 39.2 34.0 51.0
101 0.0 7.8 11.6#
130 2.2 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF117297.D
Acq: 2 Oct 2019 14:11

Tgt Ion: 136 Resp: 136949
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 6.3 4.5 6.7
68 5.4 4.0 6.0

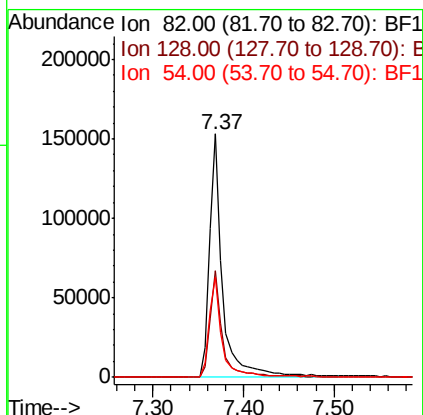
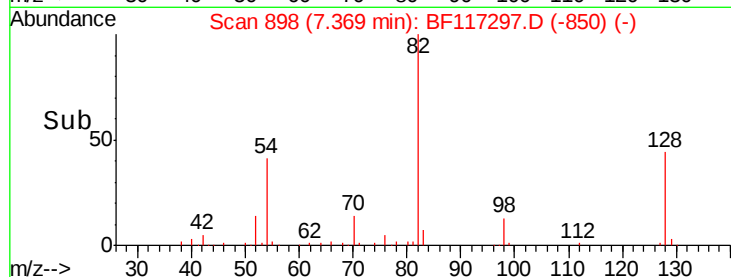
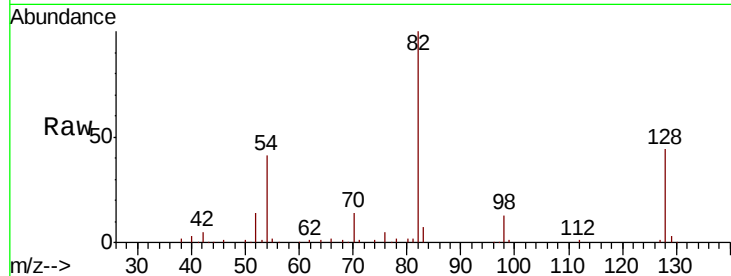




#23
 Nitrobenzene-d5
 Concen: 60.488 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: BF117297.D
 Acq: 2 Oct 2019 14:11

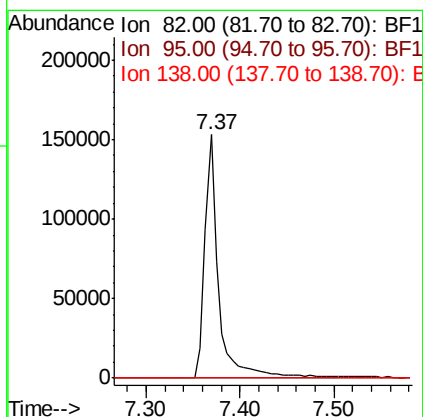
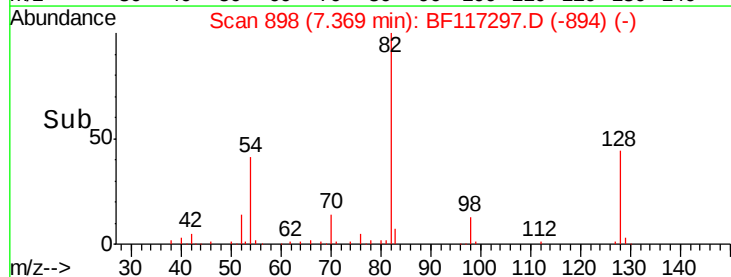
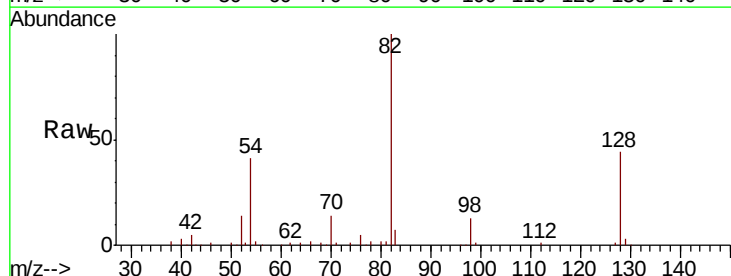
Instrument :
 BNA_F
 ClientSampleId :

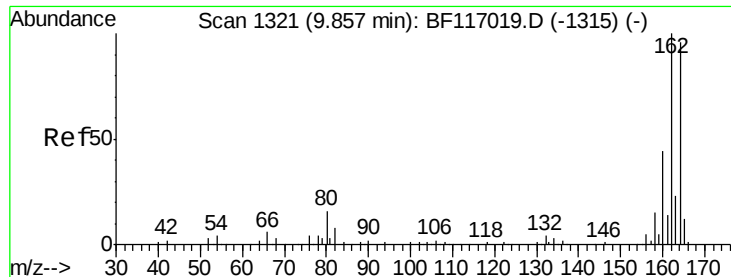
Tot Ion	82	Resp	157658
Ion Ratio	100	Lower	Upper
128	44.0	32.3	48.5
54	41.4	33.3	49.9



#25
 Isophorone
 Concen: 34.166 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.28 min
 Lab File: BF117297.D
 Acq: 2 Oct 2019 14:11

Tgt Ion	82	Resp	157672
Ion Ratio	100	Lower	Upper
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

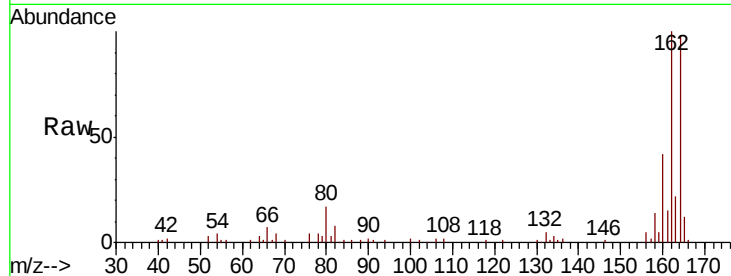




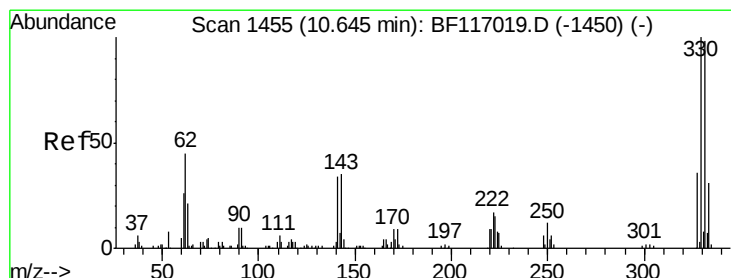
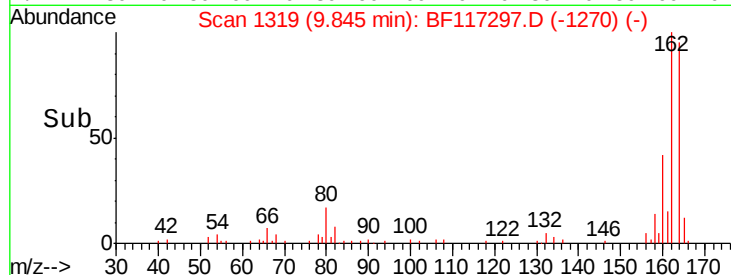
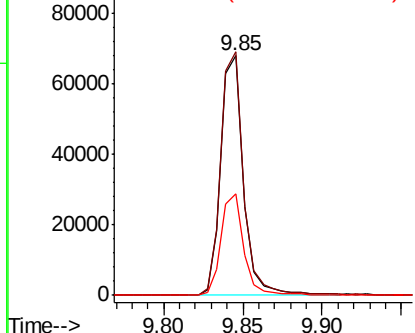
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117297.D
Acq: 2 Oct 2019 14:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 67237
Ion Ratio Lower Upper
164 100
162 101.6 83.4 125.2
160 42.6 36.4 54.6

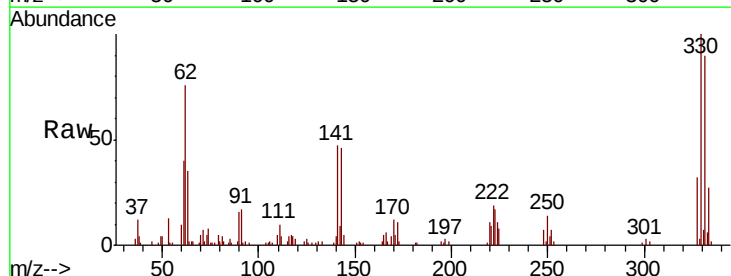


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

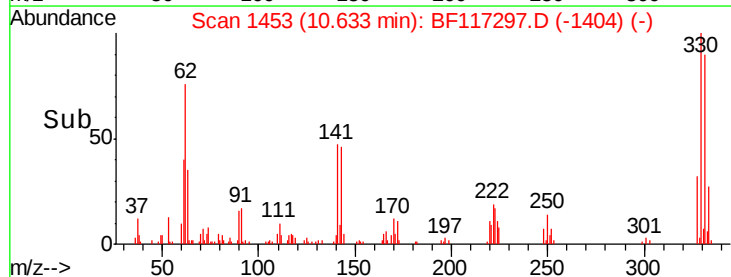
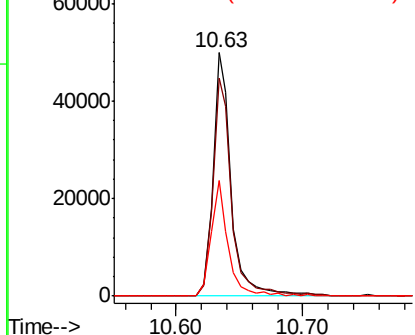


#42
2,4,6-Tribromophenol
Concen: 89.800 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF117297.D
Acq: 2 Oct 2019 14:11

Tgt Ion:330 Resp: 50463
Ion Ratio Lower Upper
330 100
332 92.8 78.0 117.0
141 43.9 35.8 53.6



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

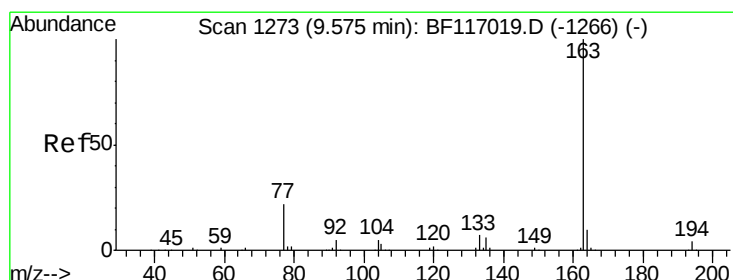
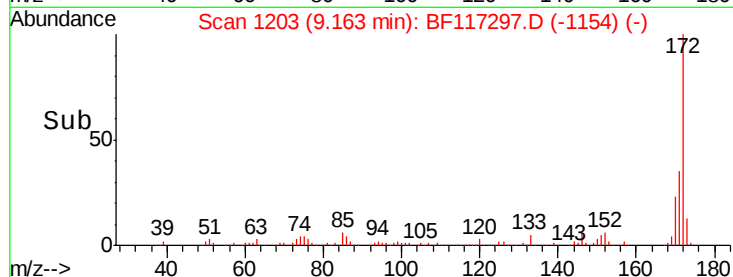
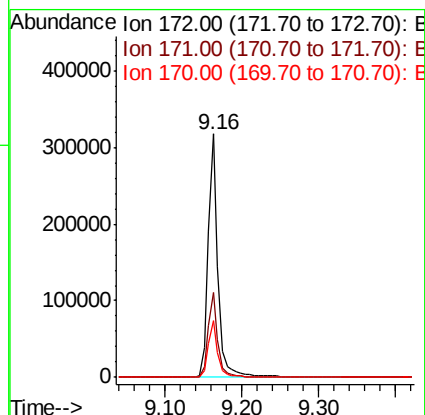
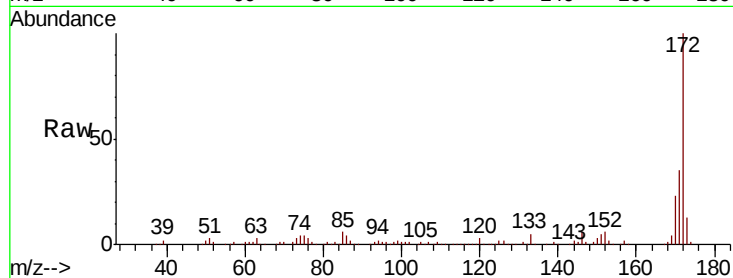




#45
2-Fluorobiphenyl
Concen: 65.278 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF117297.D
Acq: 2 Oct 2019 14:11

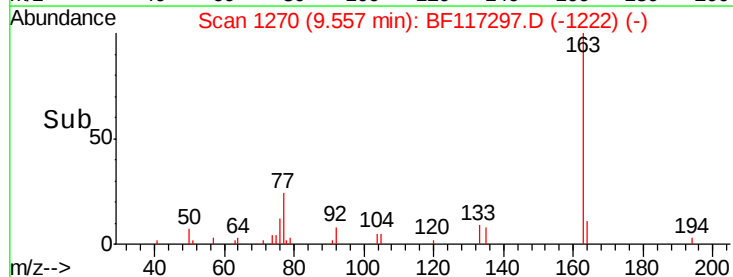
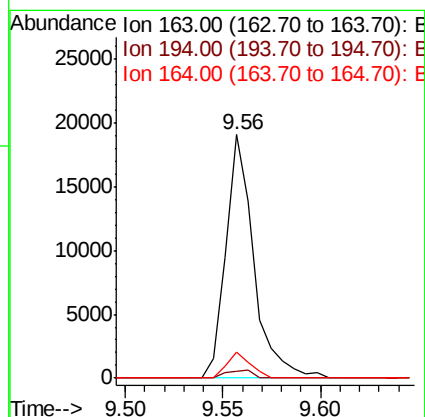
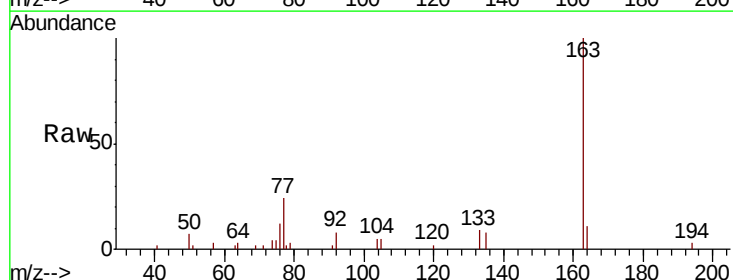
Instrument :
BNA_F
ClientSampleId :

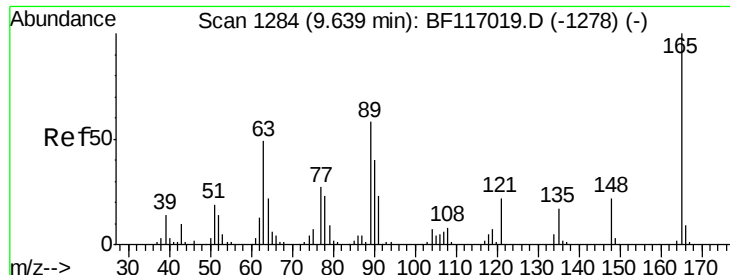
Tot Ion:172 Resp: 280710
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 23.1 18.9 28.3



#50
Dimethylphthalate
Concen: 3.986 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF117297.D
Acq: 2 Oct 2019 14:11

Tgt Ion:163 Resp: 18975
Ion Ratio Lower Upper
163 100
194 3.1 2.9 4.3
164 10.7 8.2 12.4

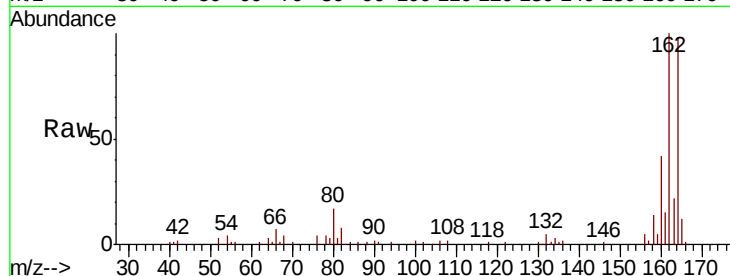




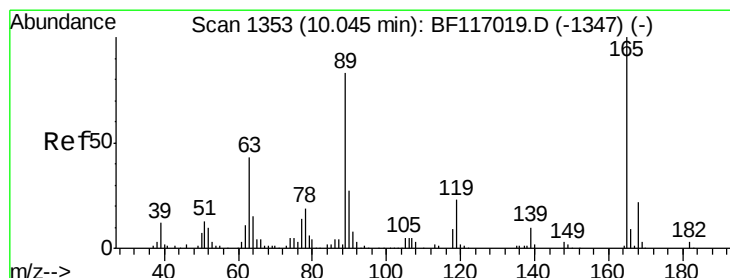
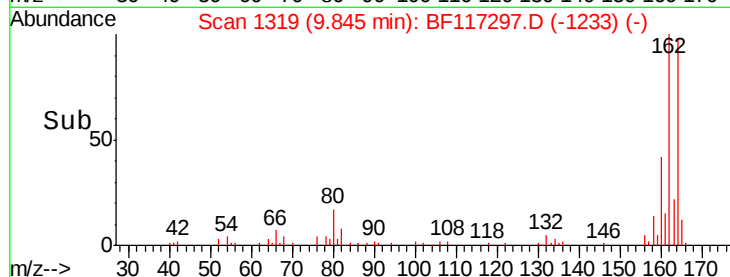
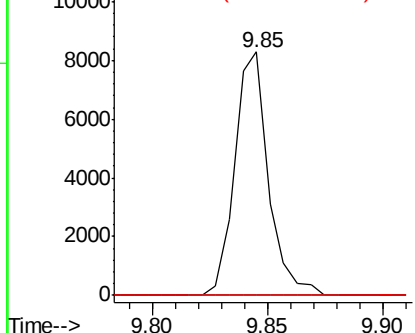
#51
 2,6-Dinitrotoluene
 Concen: 8.659 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF117297.D
 Acq: 2 Oct 2019 14:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#

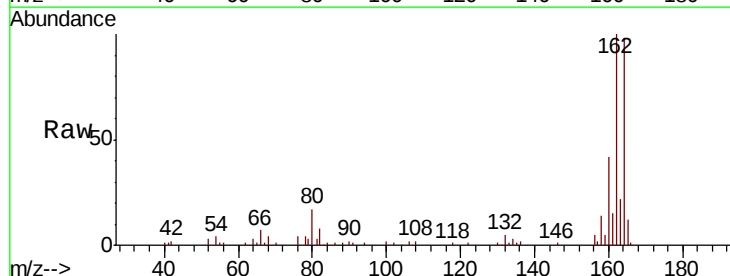


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

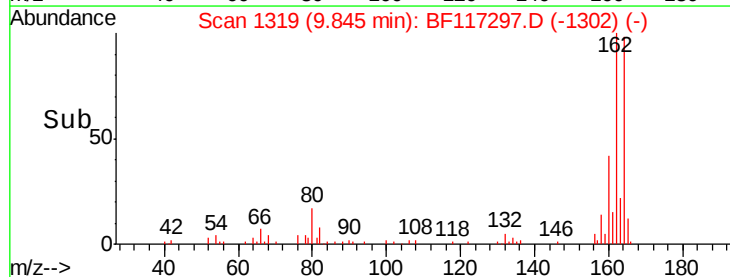
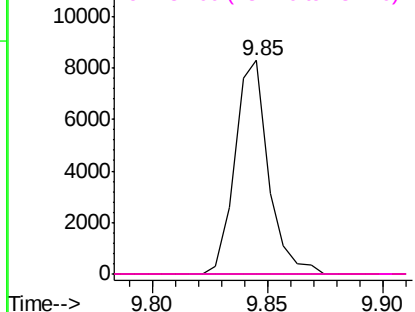


#57
 2,4-Dinitrotoluene
 Concen: 6.671 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF117297.D
 Acq: 2 Oct 2019 14:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#



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): BF1

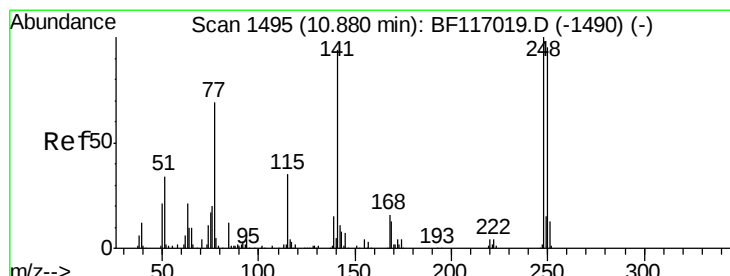
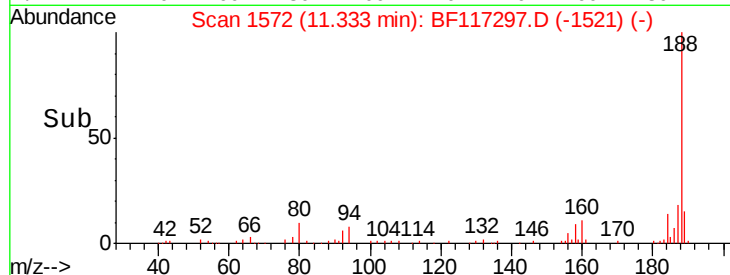
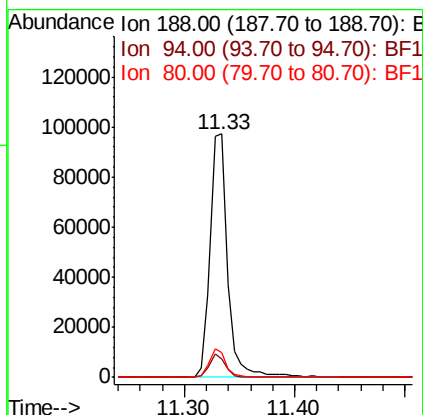
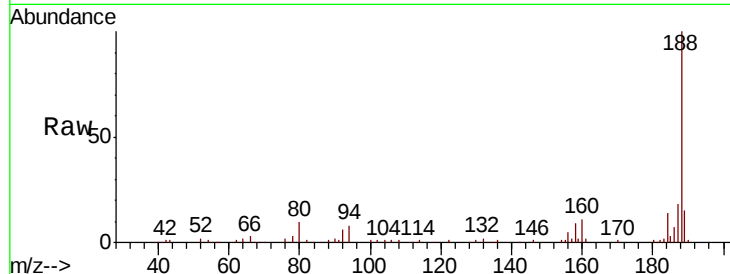




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117297.D
 Acq: 2 Oct 2019 14:11

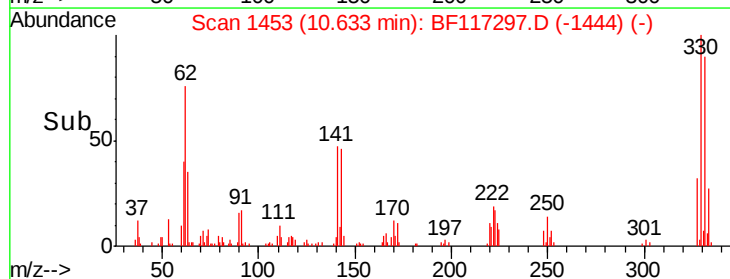
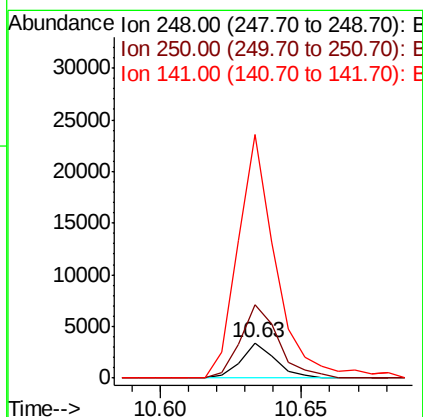
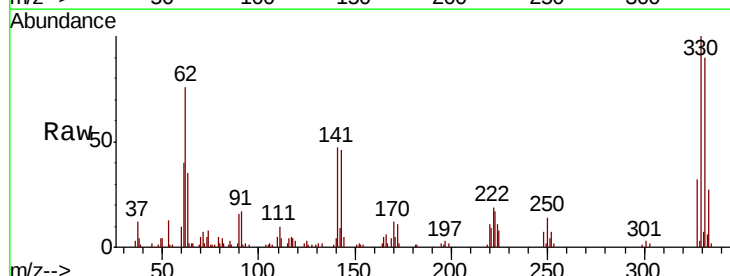
Instrument :
 BNA_F
 ClientSampleId :

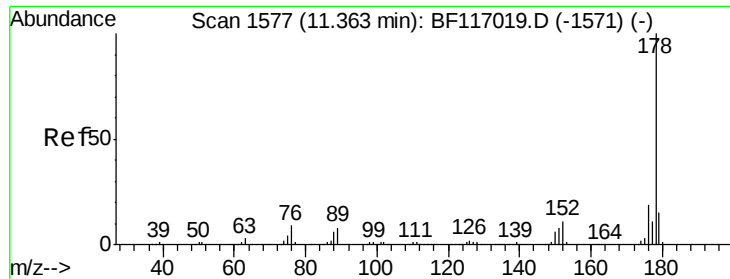
Tot Ion:188 Resp: 104870
 Ion Ratio Lower Upper
 188 100
 94 7.7 8.2 12.2#
 80 10.0 9.0 13.6



#67
 4-Bromophenyl-phenylether
 Concen: 2.744 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF117297.D
 Acq: 2 Oct 2019 14:11

Tgt Ion:248 Resp: 2939
 Ion Ratio Lower Upper
 248 100
 250 206.9 76.2 114.4#
 141 688.5 75.0 112.4#

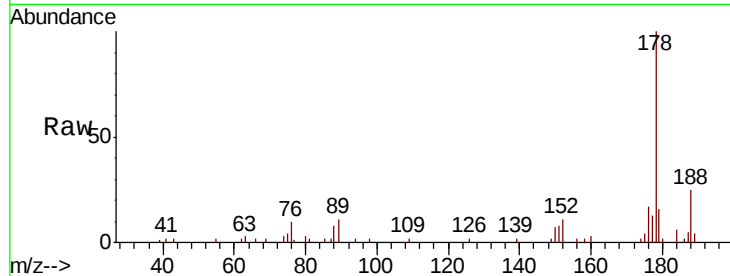




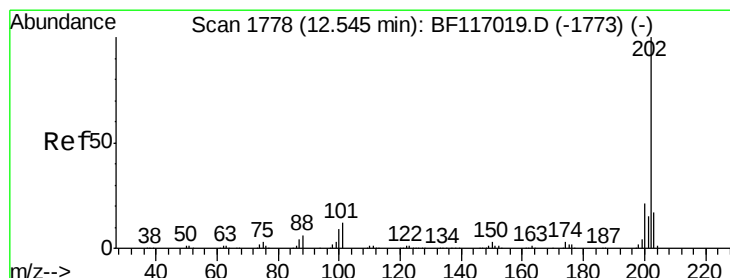
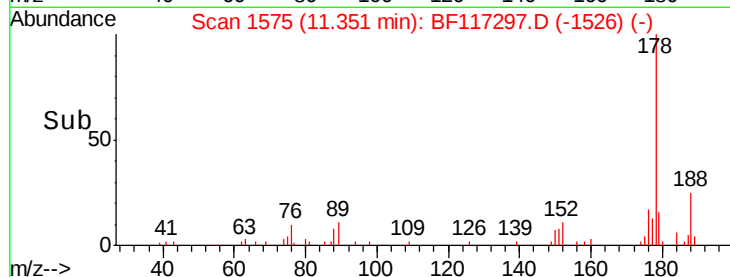
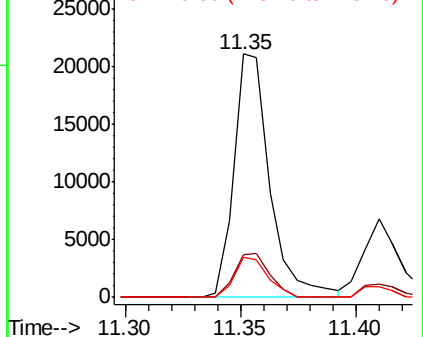
#71
Phenanthrene
Concen: 3.857 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF117297.D
Acq: 2 Oct 2019 14:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 22976
Ion Ratio Lower Upper
178 100
176 17.4 15.4 23.2
179 16.2 12.4 18.6

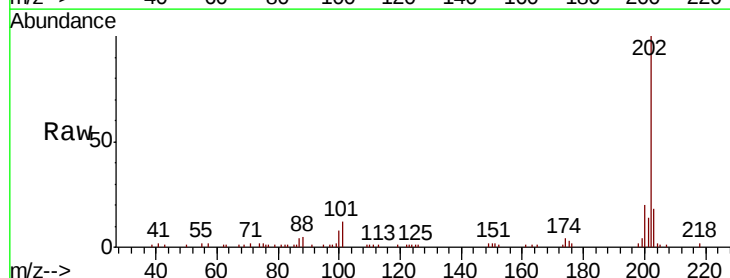


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

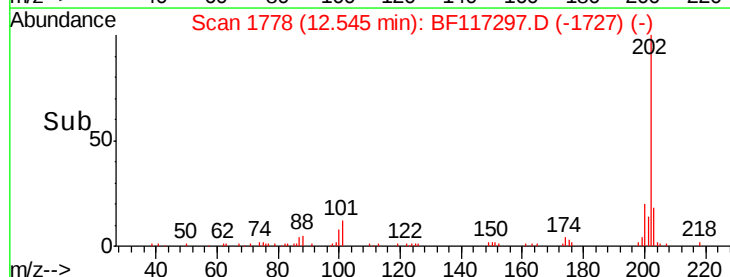
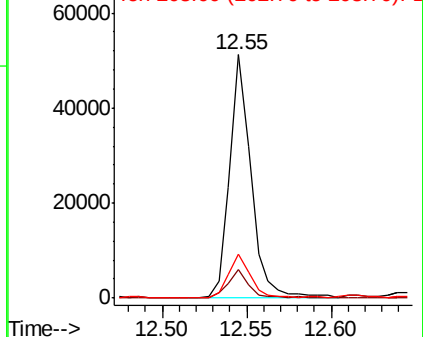


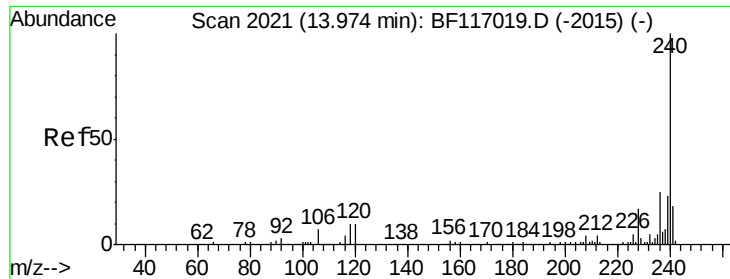
#75
Fluoranthene
Concen: 7.401 ng
RT: 12.55 min Scan# 1778
Delta R.T. 0.00 min
Lab File: BF117297.D
Acq: 2 Oct 2019 14:11

Tgt Ion:202 Resp: 45299
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.3
203 18.0 0.0 37.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

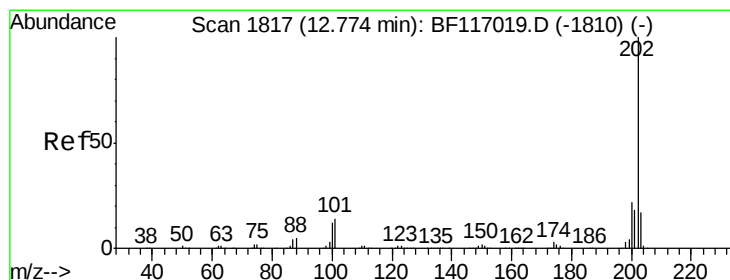
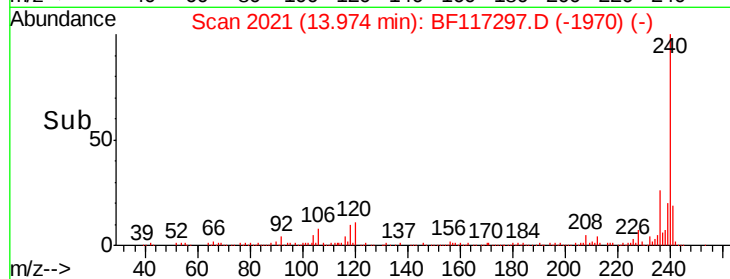
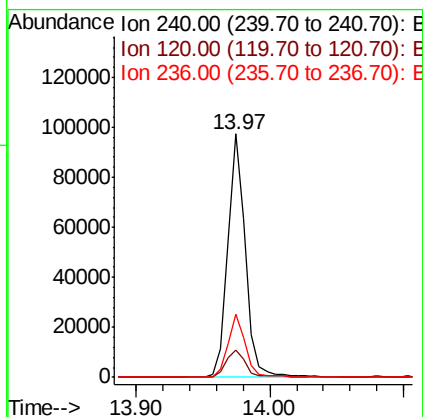
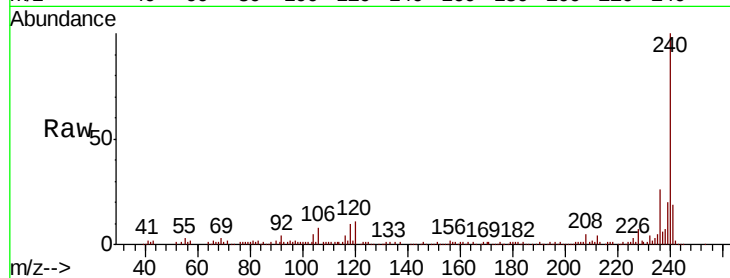




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117297.D
Acq: 2 Oct 2019 14:11

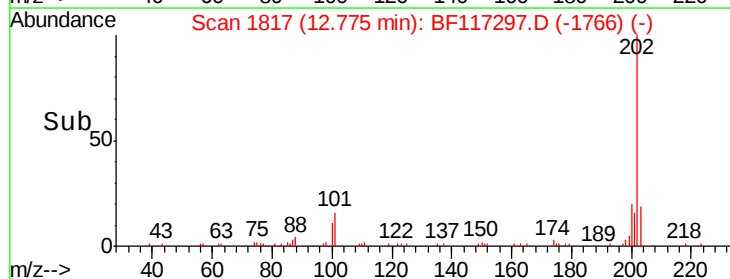
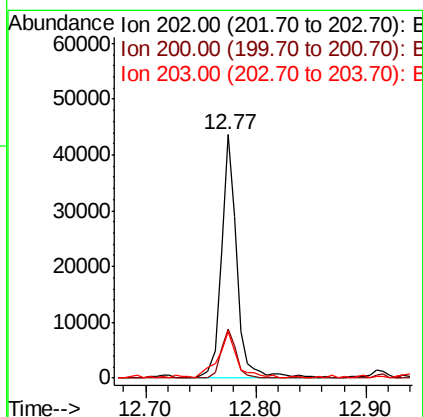
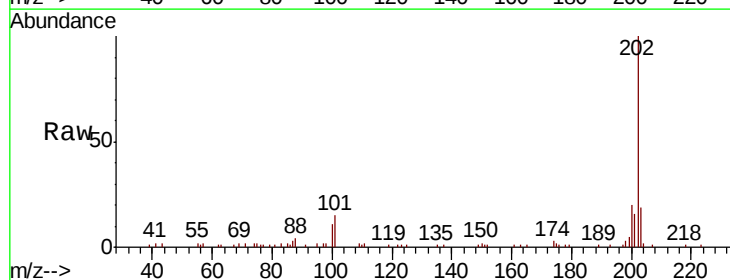
Instrument :
BNA_F
ClientSampleId :

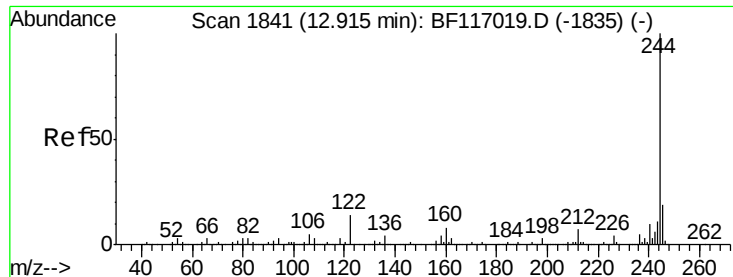
Tot Ion:240 Resp: 91153
Ion Ratio Lower Upper
240 100
120 11.2 8.3 12.5
236 25.8 20.3 30.5



#78
Pyrene
Concen: 5.547 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF117297.D
Acq: 2 Oct 2019 14:11

Tgt Ion:202 Resp: 42428
Ion Ratio Lower Upper
202 100
200 20.3 17.2 25.8
203 19.1 14.0 21.0

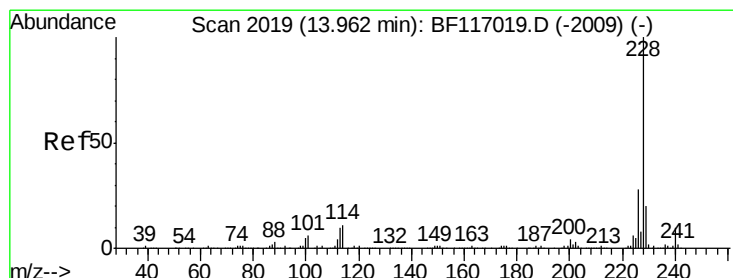
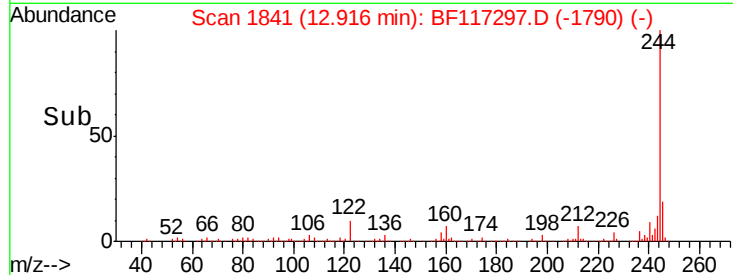
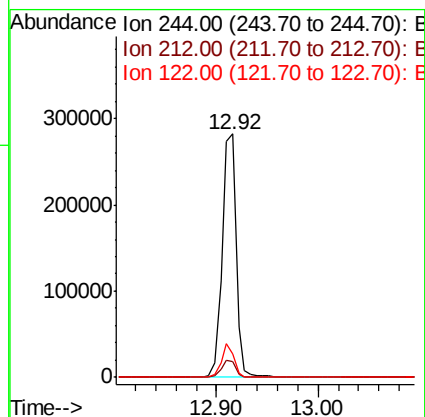
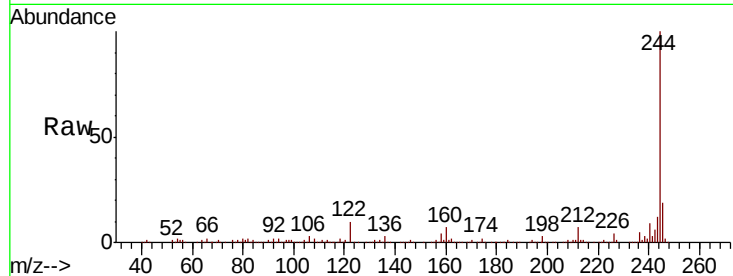




#79
 Terphenyl-d14
 Concen: 55.825 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117297.D
 Acq: 2 Oct 2019 14:11

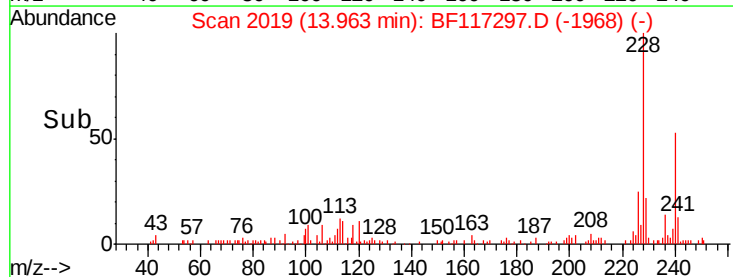
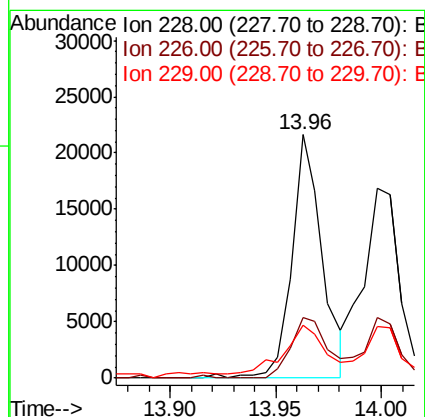
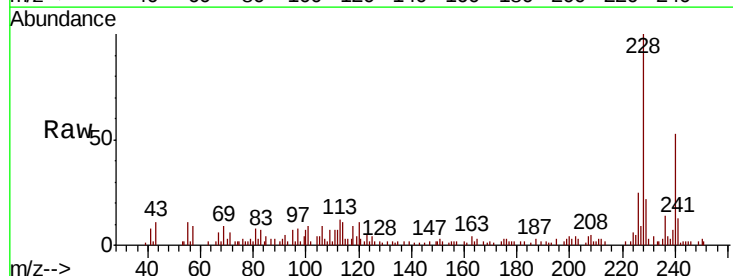
Instrument :
 BNA_F
 ClientSampleId :

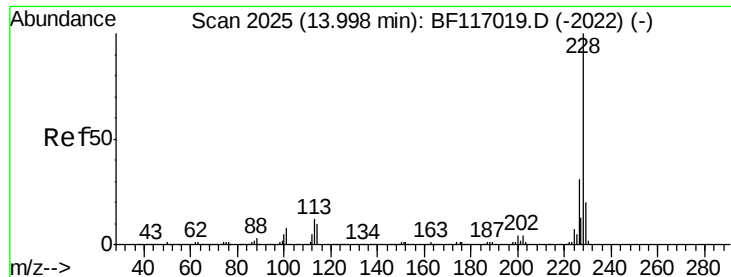
Tot Ion:244 Resp: 272230
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.8
 122 9.8 11.3 16.9#



#81
 Benzo(a)anthracene
 Concen: 3.548 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BF117297.D
 Acq: 2 Oct 2019 14:11

Tgt Ion:228 Resp: 21609
 Ion Ratio Lower Upper
 228 100
 226 24.8 22.3 33.5
 229 21.7 15.9 23.9

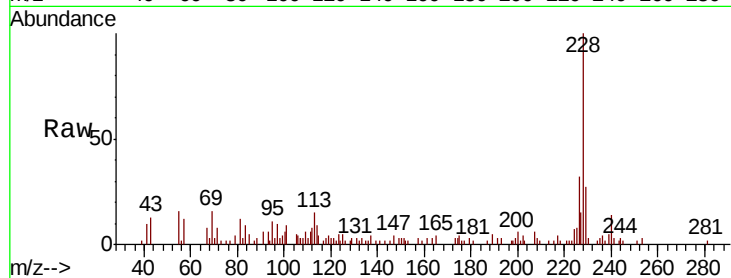




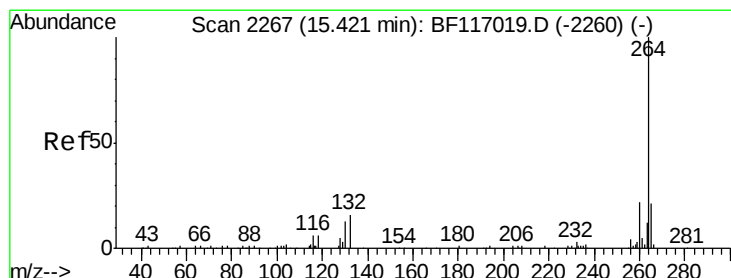
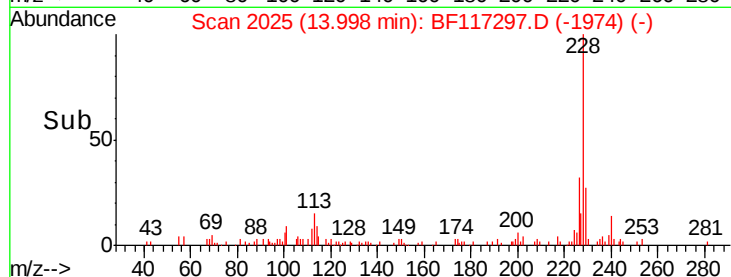
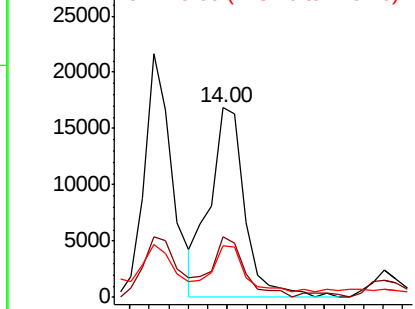
#83
Chrysene
Concen: 3.557 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF117297.D
Acq: 2 Oct 2019 14:11

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 21128
Ion Ratio Lower Upper
228 100
226 31.6 24.8 37.2
229 27.0 15.8 23.8#

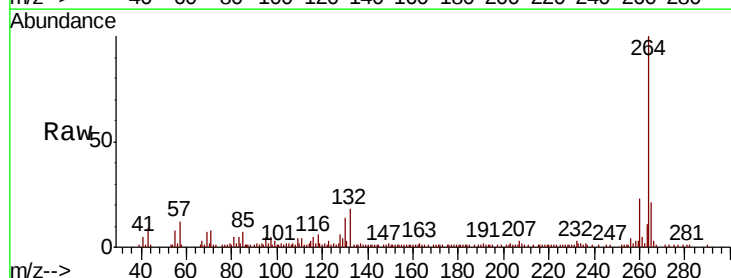


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

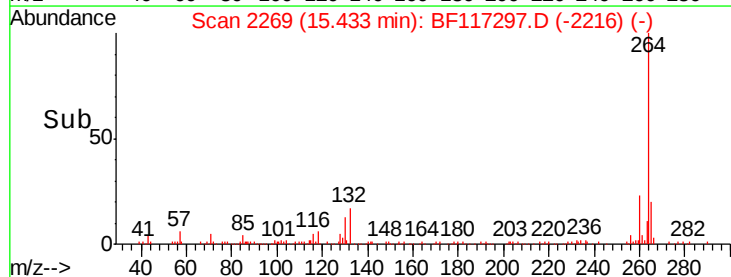
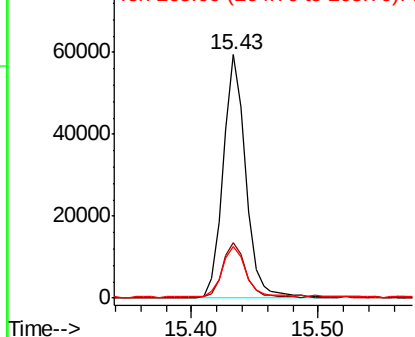


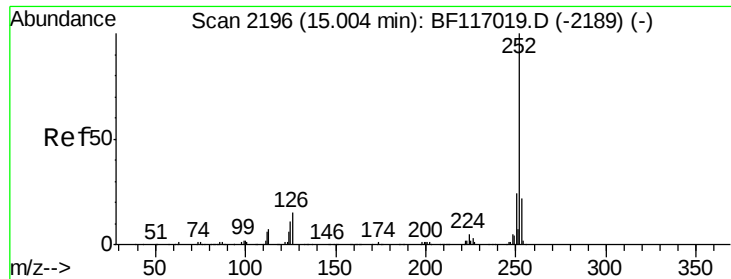
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF117297.D
Acq: 2 Oct 2019 14:11

Tgt Ion:264 Resp: 73942
Ion Ratio Lower Upper
264 100
260 22.7 17.6 26.4
265 21.0 16.6 24.8



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

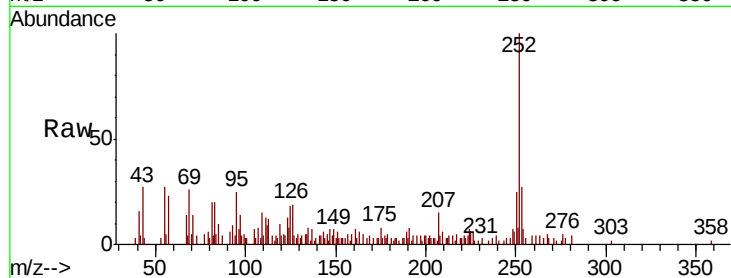




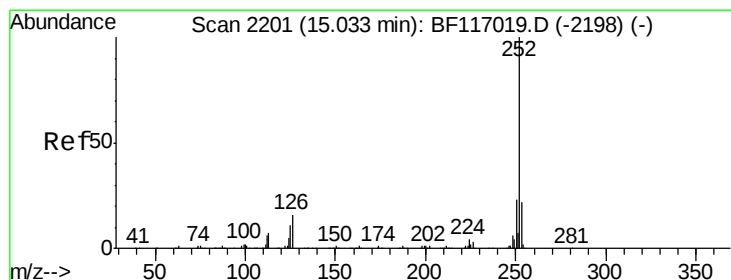
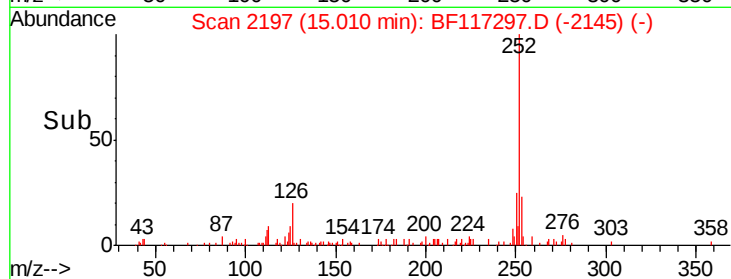
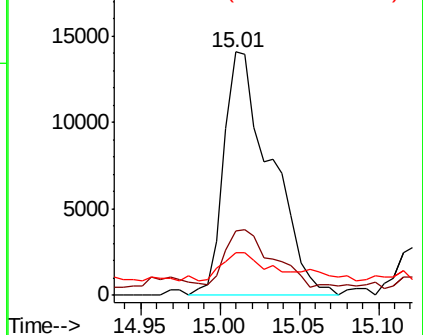
#88
Benzo(b)fluoranthene
Concen: 6.513 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF117297.D
Acq: 2 Oct 2019 14:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.6	26.4#
125	17.6	8.6	12.8#

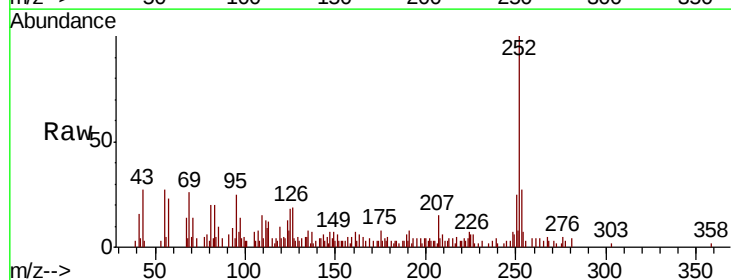


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

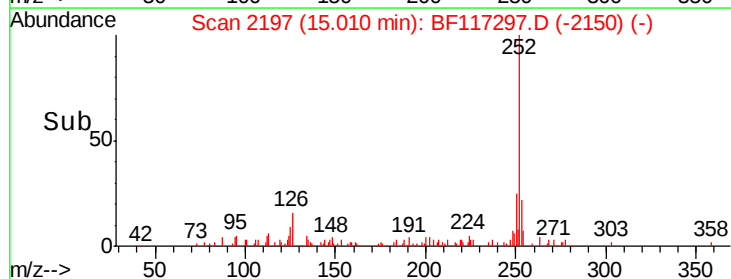
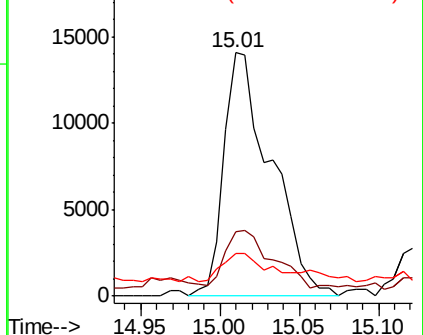


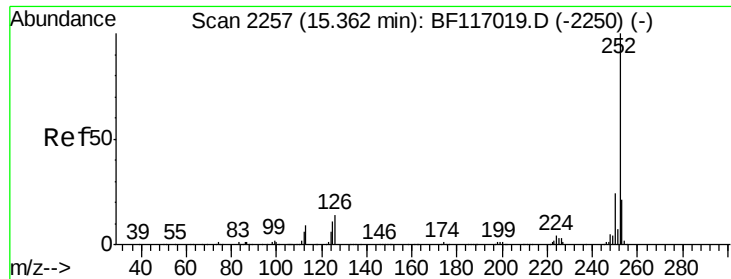
#89
Benzo(k)fluoranthene
Concen: 6.876 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF117297.D
Acq: 2 Oct 2019 14:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.4	26.2#
125	17.6	8.8	13.2#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 3.826 ng

RT: 15.37 min Scan# 2259

Delta R.T. 0.01 min

Lab File: BF117297.D

Acq: 2 Oct 2019 14:11

Instrument :

BNA_F

ClientSampled :

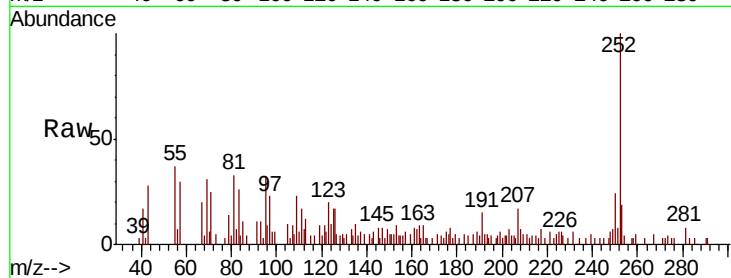
Tot Ion:252 Resp: 15036

Ion Ratio Lower Upper

252 100

253 19.5 16.6 25.0

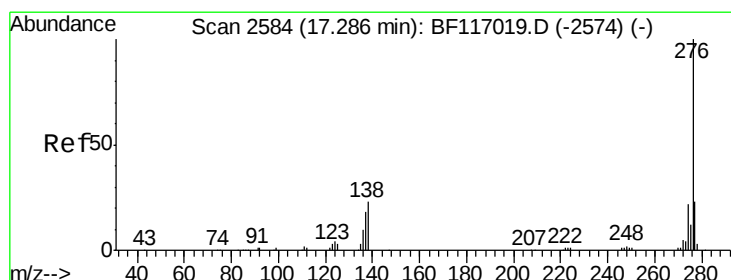
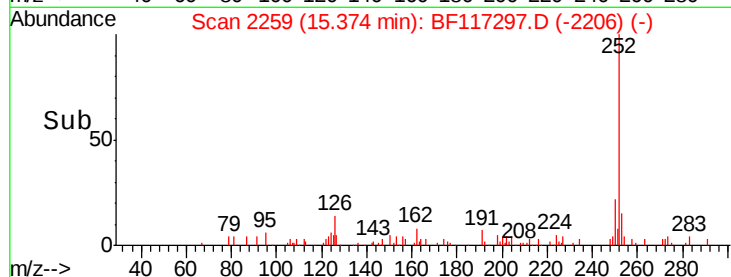
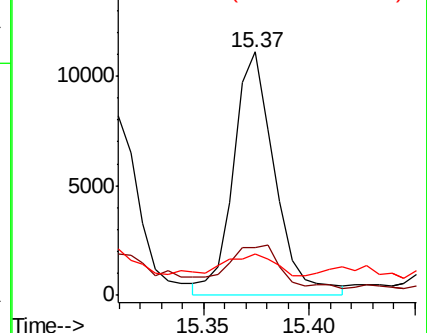
125 17.2 8.9 13.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.136 ng

RT: 17.33 min Scan# 2592

Delta R.T. 0.05 min

Lab File: BF117297.D

Acq: 2 Oct 2019 14:11

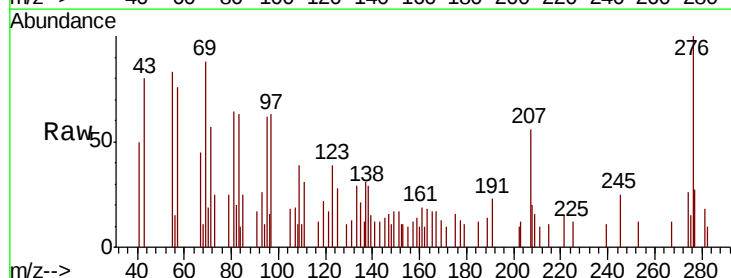
Tgt Ion:276 Resp: 6663

Ion Ratio Lower Upper

276 100

277 27.3 18.6 27.8

138 29.0 18.0 27.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

