

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
 Data File : BF117221.D
 Acq On : 24 Sep 2019 17:53
 Operator : JU
 Sample : K5010-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 25 02:38:05 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	25815	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	105622	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	55648	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	90396	20.00	ng	0.00
76) Chrysene-d12	13.97	240	64525	20.00	ng	0.00
87) Perylene-d12	15.43	264	64988	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	159854	96.68	ng	0.00
7) Phenol-d6	6.45	99	219633	102.78	ng	0.00
23) Nitrobenzene-d5	7.37	82	135695	67.50	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	46799	100.62	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	252375	70.91	ng	0.00
79) Terphenyl-d14	12.92	244	248651	72.03	ng	0.00

Target Compounds

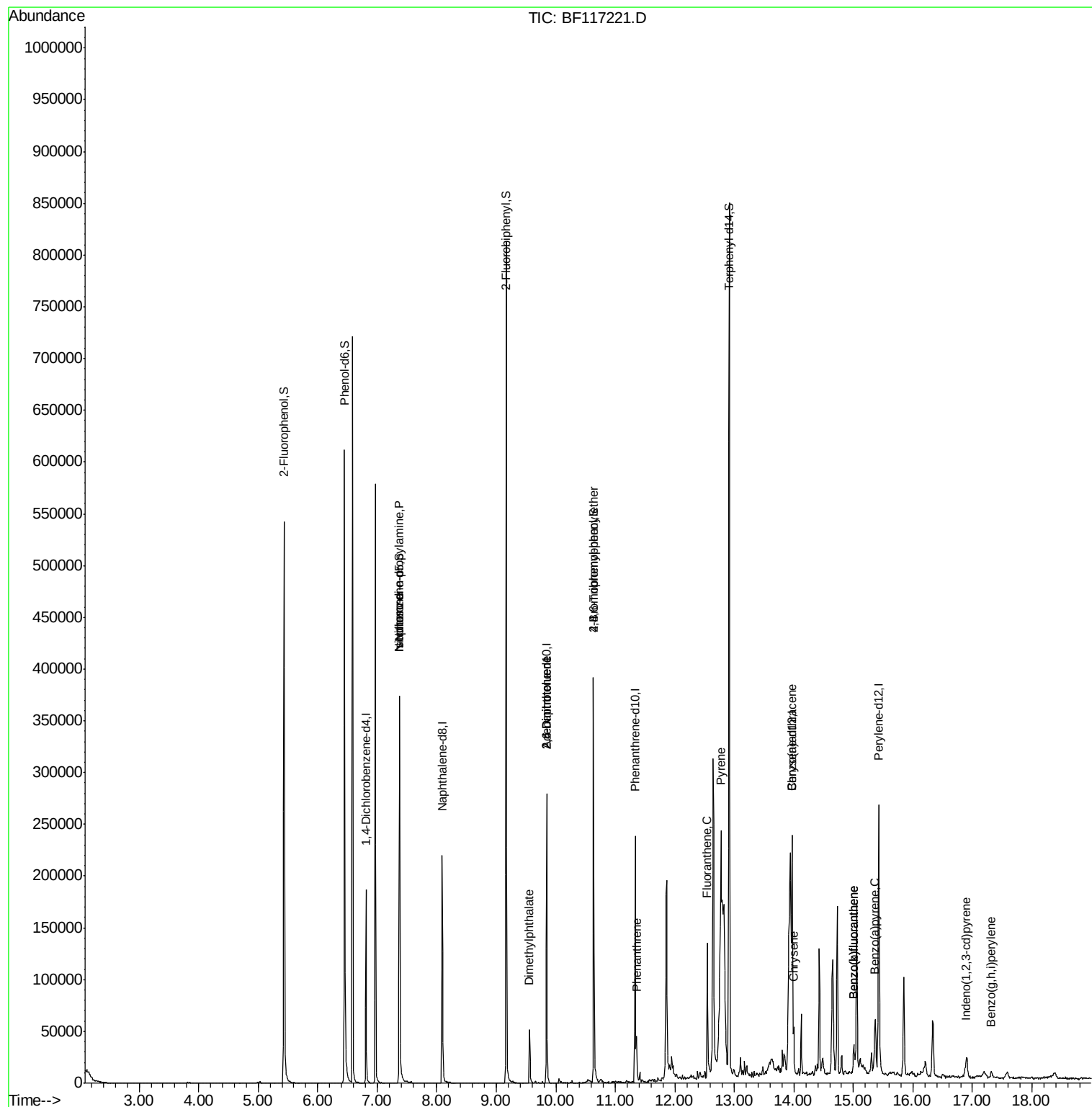
						Qvalue
9) Benzaldehyde	6.59	77	5013	Below Cal	#	63
19) n-Nitroso-di-n-propylamine	7.37	70	18373	14.120 ng	#	79
25) Isophorone	7.37	82	135694	38.124 ng	#	66
50) Dimethylphthalate	9.56	163	25257	6.410 ng		98
51) 2,6-Dinitrotoluene	9.85	165	7415	9.240 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	7415	7.118 ng	#	18
67) 4-Bromophenyl-phenylether	10.64	248	2765	2.995 ng	#	1
71) Phenanthrene	11.36	178	17668	3.441 ng		98
75) Fluoranthene	12.54	202	49439	9.371 ng		98
78) Pyrene	12.77	202	42785	7.902 ng		99
81) Benzo(a)anthracene	13.96	228	21651	5.022 ng		98
83) Chrysene	14.00	228	17367	4.130 ng		92
86) Indeno(1,2,3-cd)pyrene	16.88	276	6506	2.121 ng	#	84
88) Benzo(b)fluoranthene	15.01	252	23826	6.052 ng		97
89) Benzo(k)fluoranthene	15.01	252	23826	6.389 ng	#	97
90) Benzo(a)pyrene	15.37	252	12129	3.511 ng	#	87
92) Benzo(a,h,i)perylene	17.32	276	6258	2.282 ng	#	85

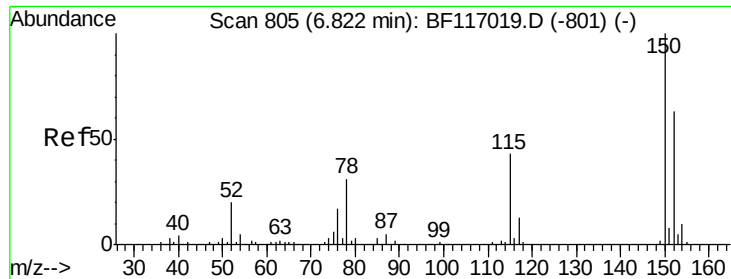
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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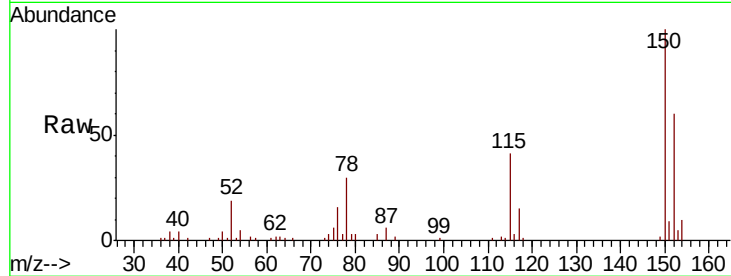


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.6	127.5	191.3
115	67.5	55.0	82.4

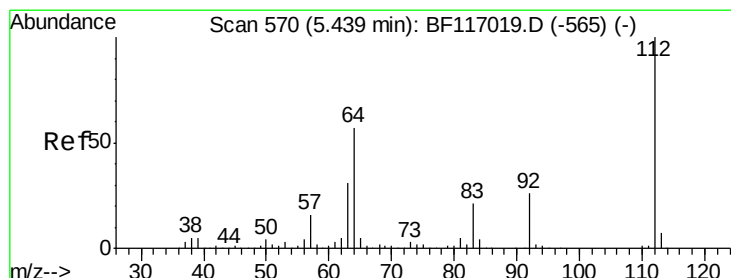
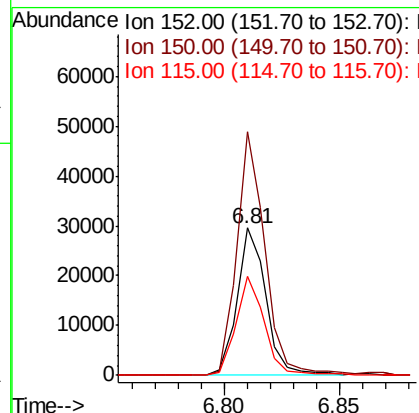
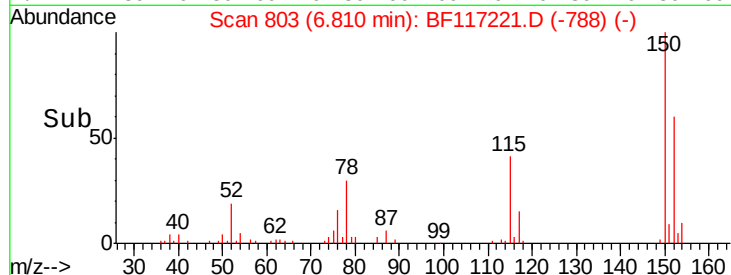


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

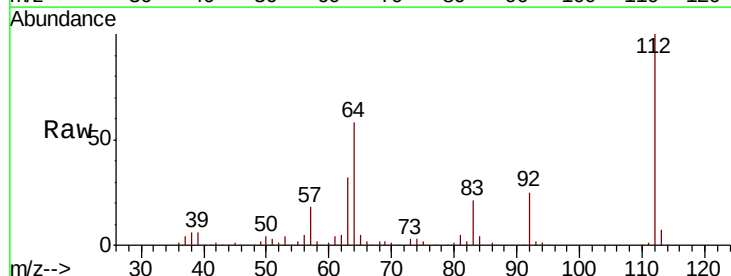
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.677 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	45.7	68.5
63	32.1	24.9	37.3

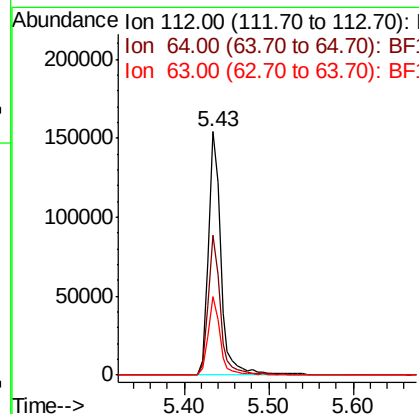
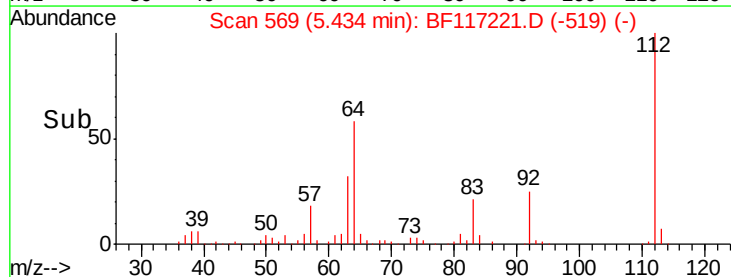


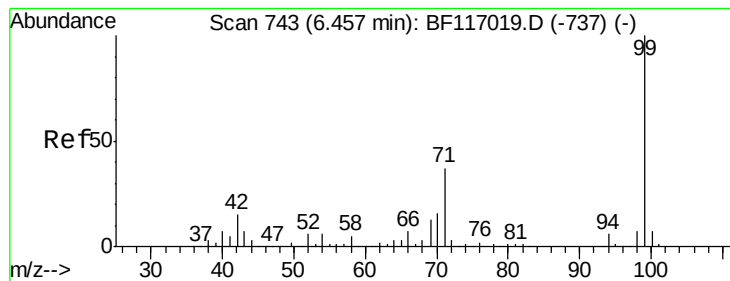
Abundance

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: 102.781 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117221.D

Acq: 24 Sep 2019 17:53

Instrument :

BNA_F

ClientSampled :

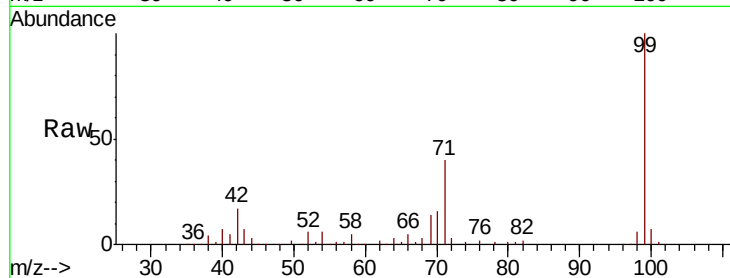
Tot Ion: 99 Resp: 219633

Ion Ratio Lower Upper

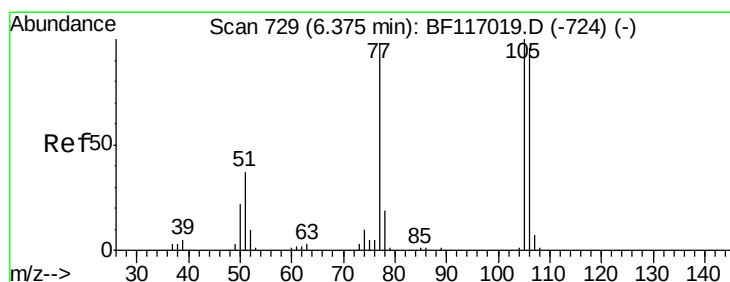
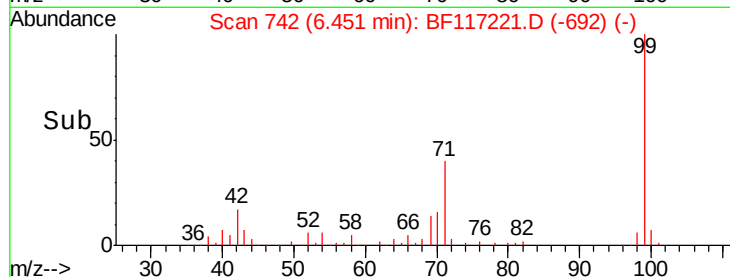
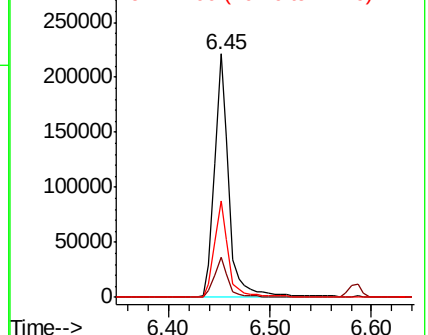
99 100

42 16.6 12.2 18.2

71 39.8 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: 6.59 min Scan# 765

Delta R.T. 0.21 min

Lab File: BF117221.D

Acq: 24 Sep 2019 17:53

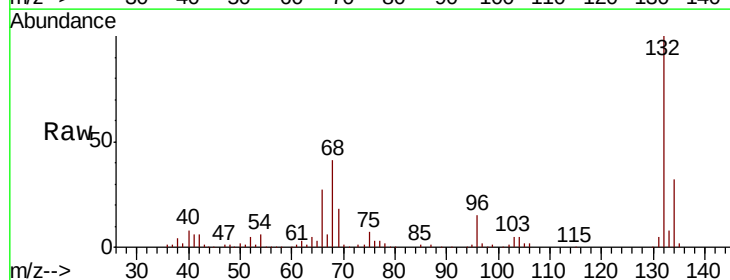
Tgt Ion: 77 Resp: 5013

Ion Ratio Lower Upper

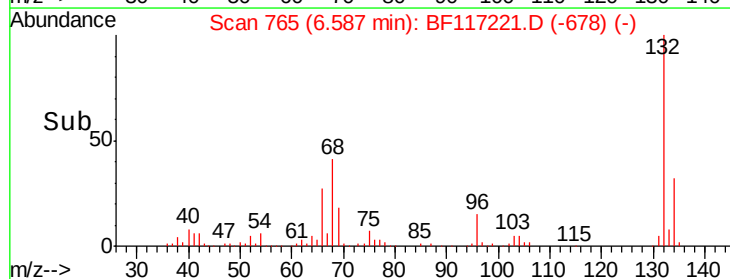
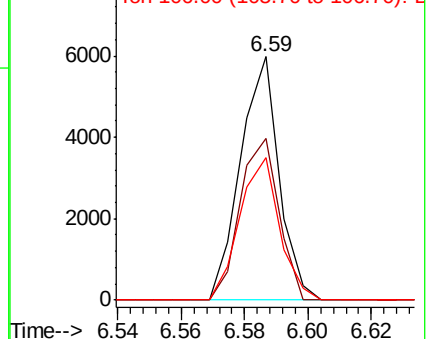
77 100

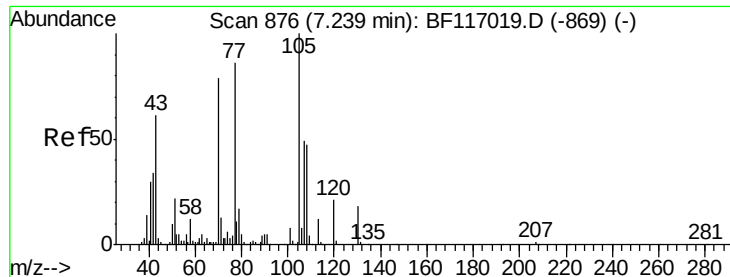
105 66.5 81.8 121.8#

106 58.8 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

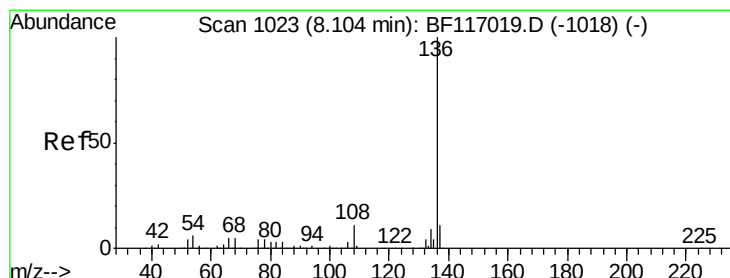
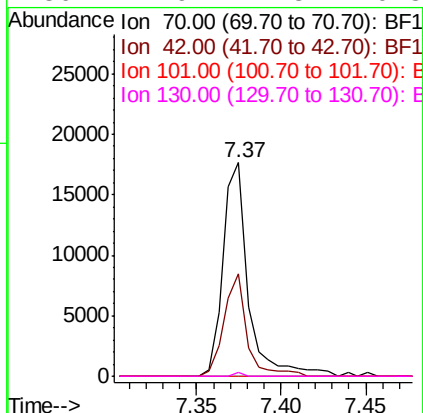
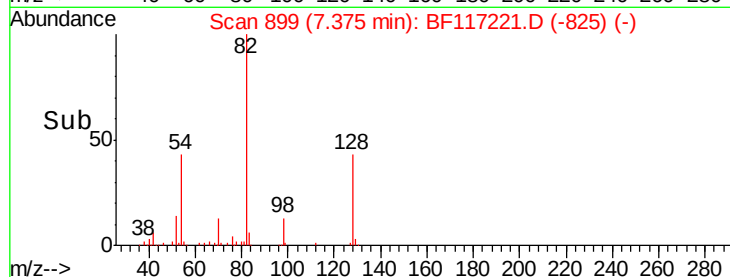
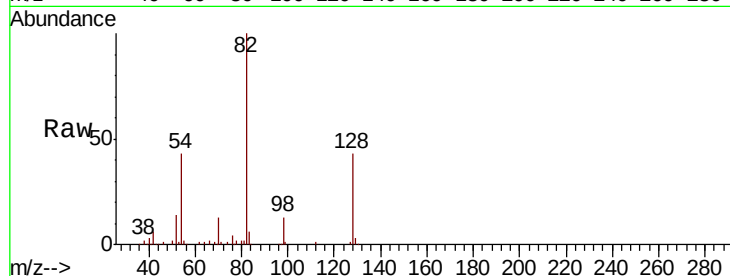




#19
n-Nitroso-di-n-propylamine
Concen: 14.120 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.14 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

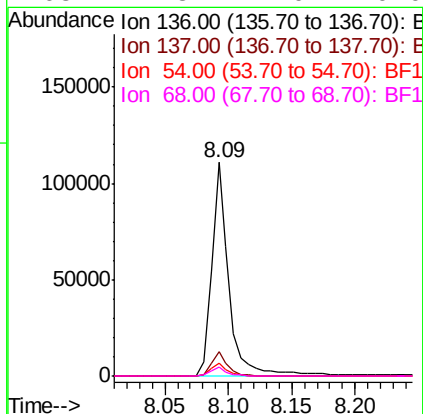
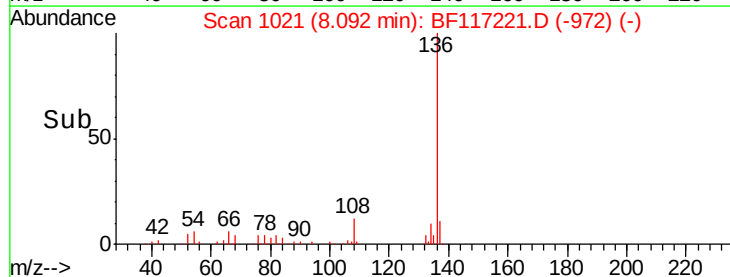
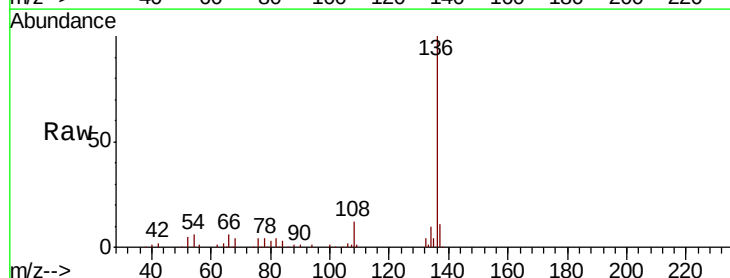
Instrument :
BNA_F
ClientSampleId :

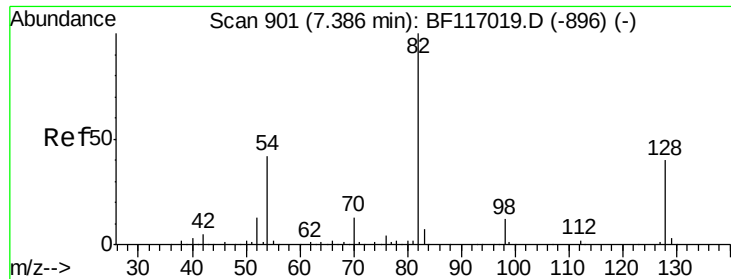
Tot Ion: 70 Resp: 18373
Ion Ratio Lower Upper
70 100
42 47.7 34.0 51.0
101 0.0 7.8 11.6#
130 1.9 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Tgt Ion: 136 Resp: 105622
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 6.0 4.5 6.7
68 4.3 4.0 6.0

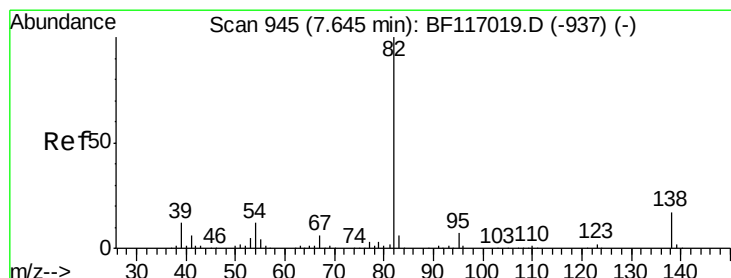
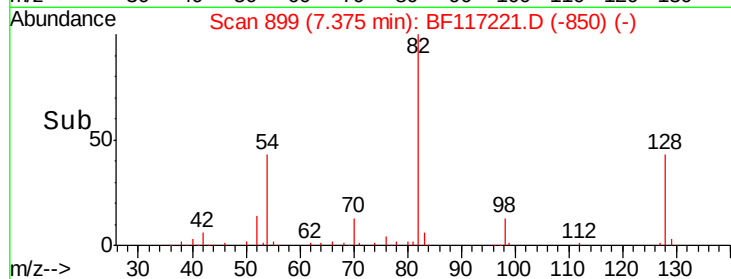
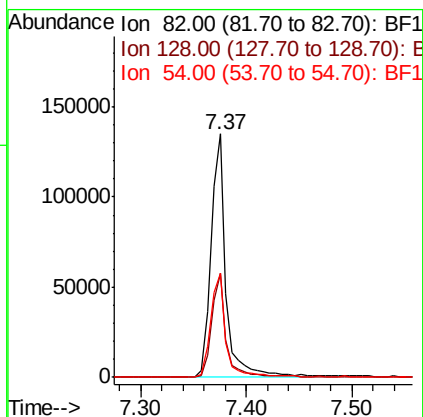
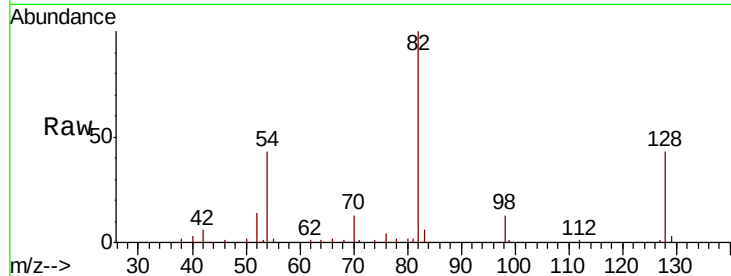




#23
 Nitrobenzene-d5
 Concen: 67.502 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF117221.D
 Acq: 24 Sep 2019 17:53

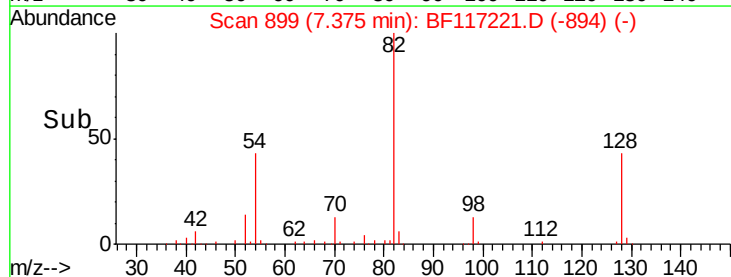
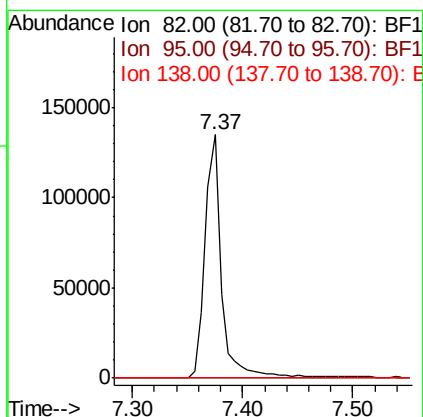
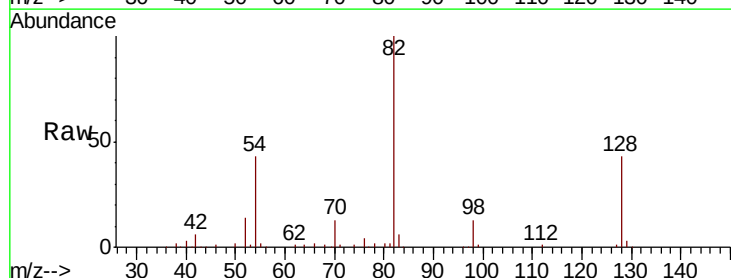
Instrument :
 BNA_F
 ClientSampleId :

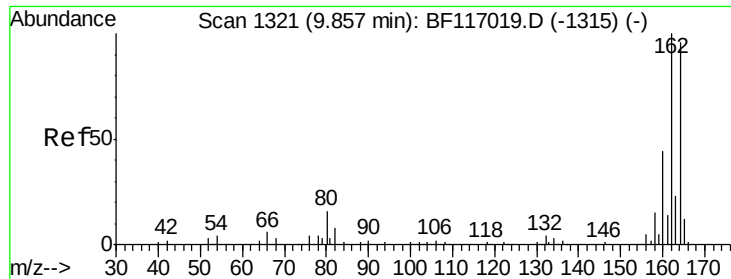
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.0	32.3	48.5
54	42.7	33.3	49.9



#25
 Isophorone
 Concen: 38.124 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.27 min
 Lab File: BF117221.D
 Acq: 24 Sep 2019 17:53

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

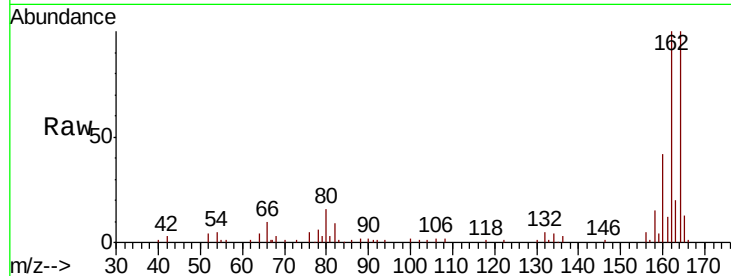




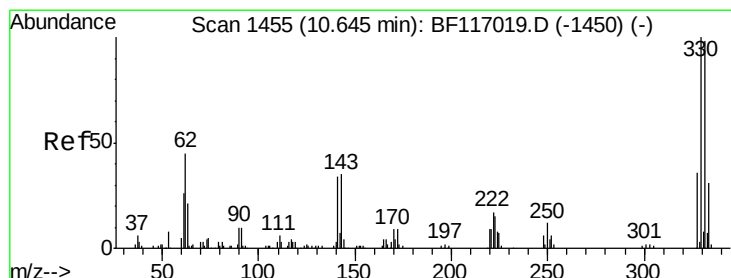
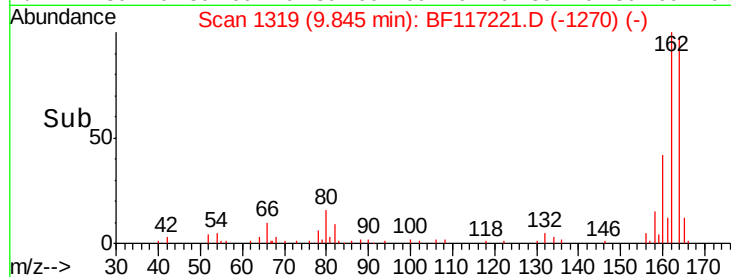
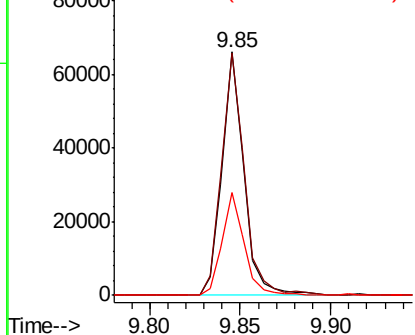
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 55648
Ion Ratio Lower Upper
164 100
162 99.7 83.4 125.2
160 42.0 36.4 54.6

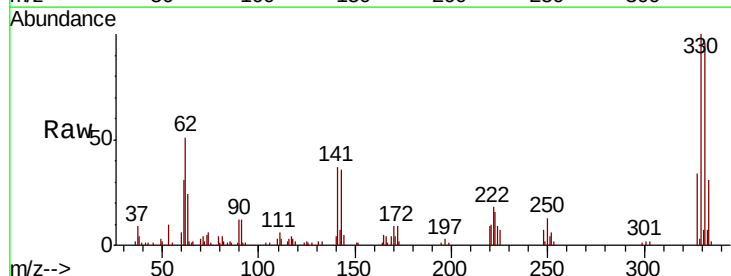


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

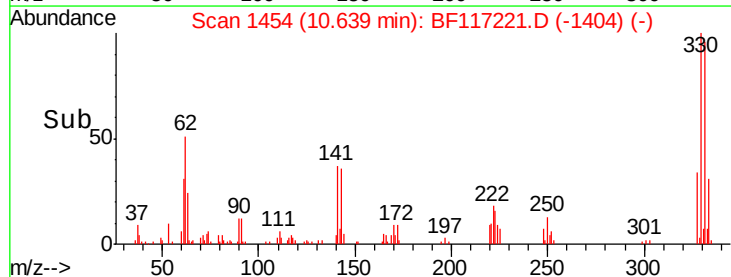
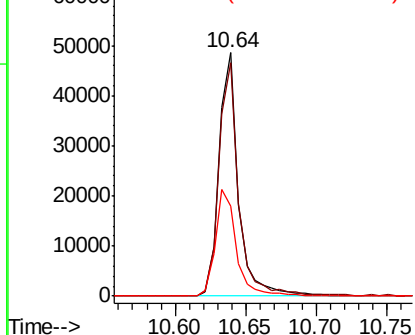


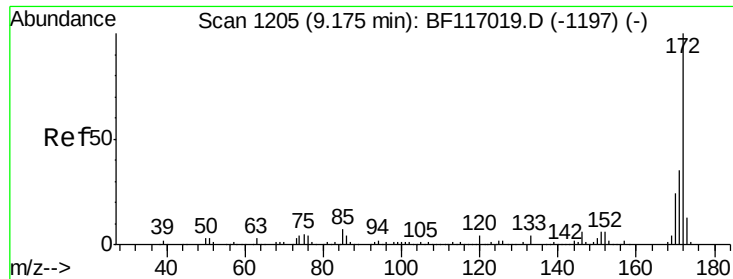
#42
2,4,6-Tribromophenol
Concen: 100.624 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Tgt Ion:330 Resp: 46799
Ion Ratio Lower Upper
330 100
332 96.5 78.0 117.0
141 46.6 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

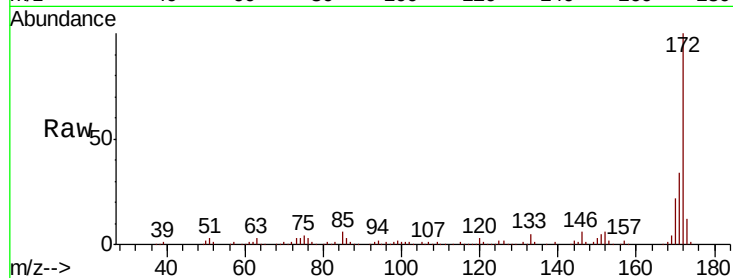




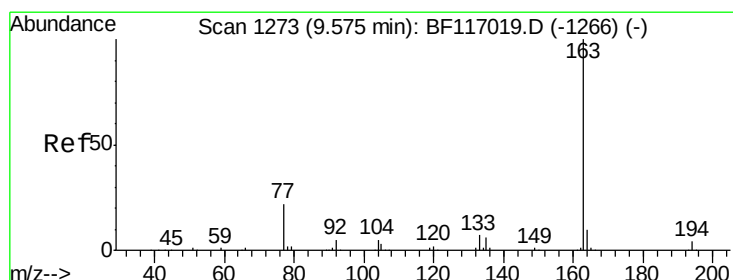
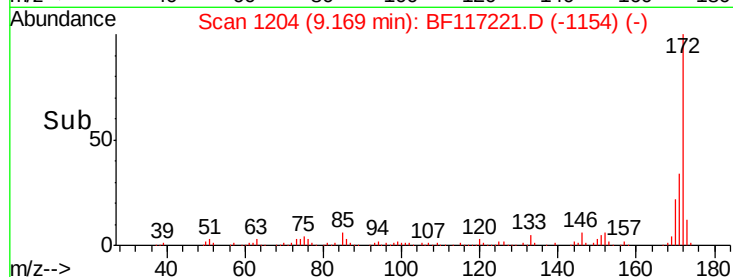
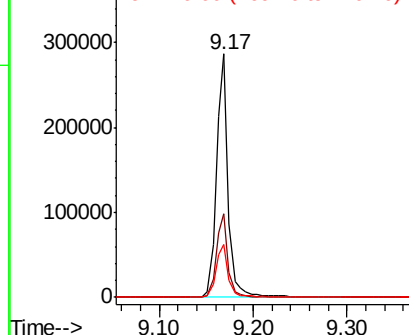
#45
2-Fluorobiphenyl
Concen: 70.911 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 252375
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.2
170 21.9 18.9 28.3

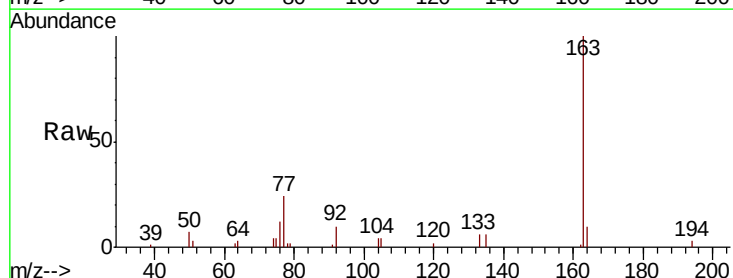


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

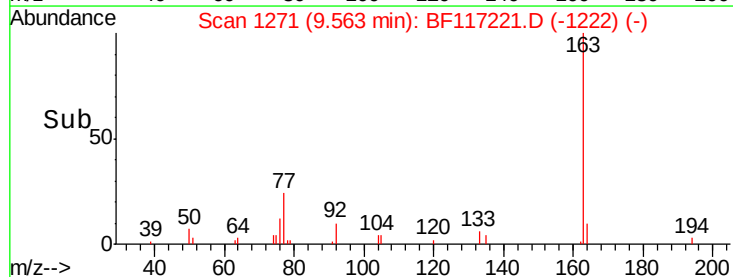
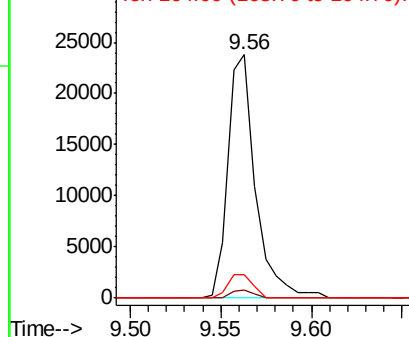


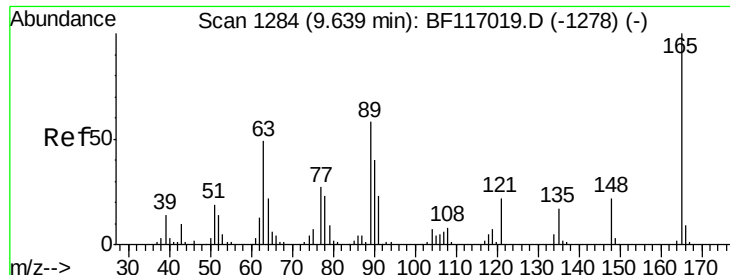
#50
Dimethylphthalate
Concen: 6.410 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Tgt Ion:163 Resp: 25257
Ion Ratio Lower Upper
163 100
194 3.3 2.9 4.3
164 9.5 8.2 12.4



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: 9.240 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF117221.D

Acq: 24 Sep 2019 17:53

Instrument :
BNA_F
ClientSampled :

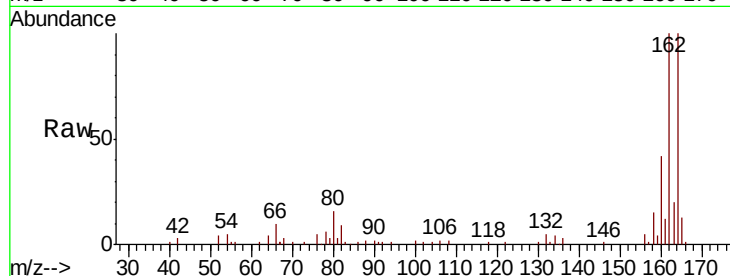
Tot Ion:165 Resp: 7415

Ion Ratio Lower Upper

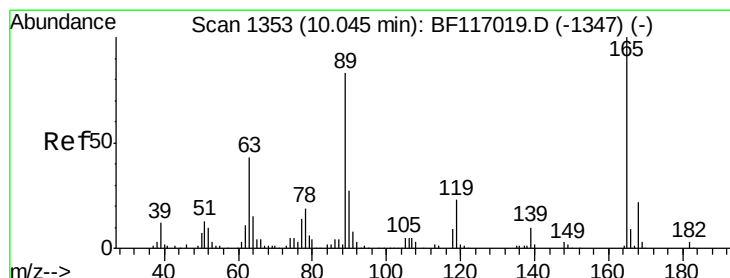
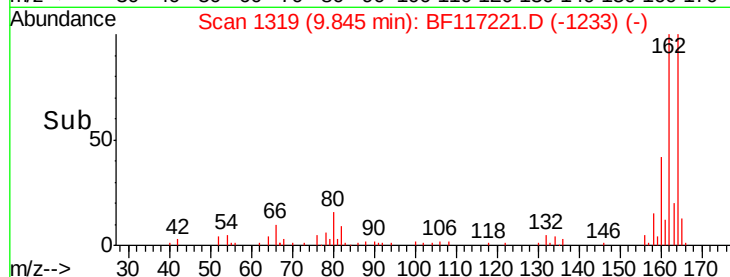
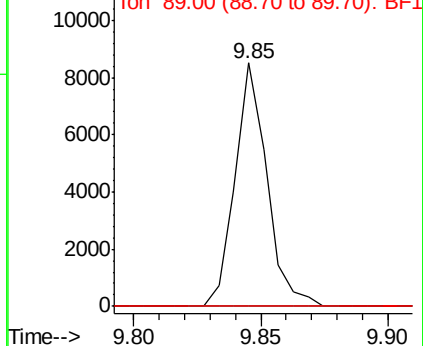
165 100

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: 7.118 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.20 min

Lab File: BF117221.D

Acq: 24 Sep 2019 17:53

Tgt Ion:165 Resp: 7415

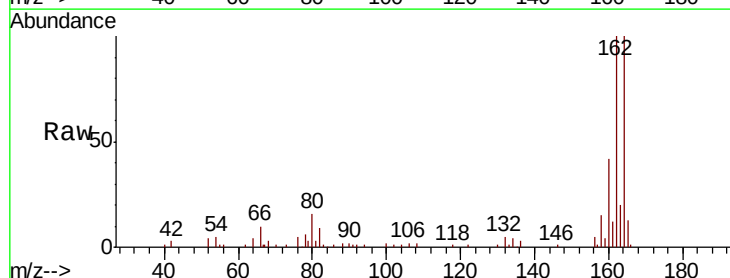
Ion Ratio Lower Upper

165 100

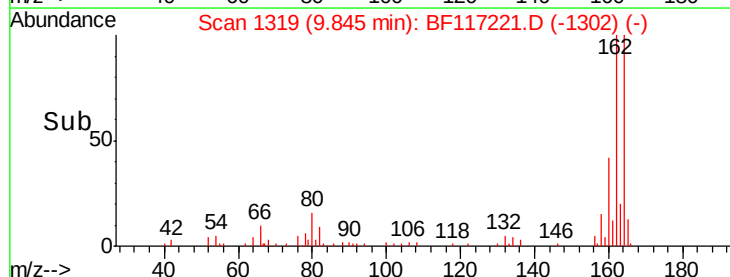
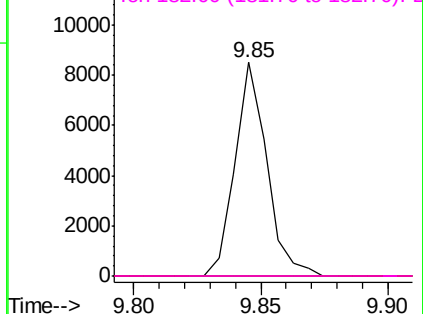
63 0.0 35.0 52.4#

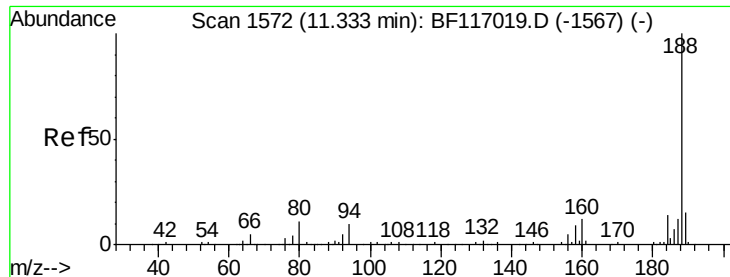
89 0.0 66.1 99.1#

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): E

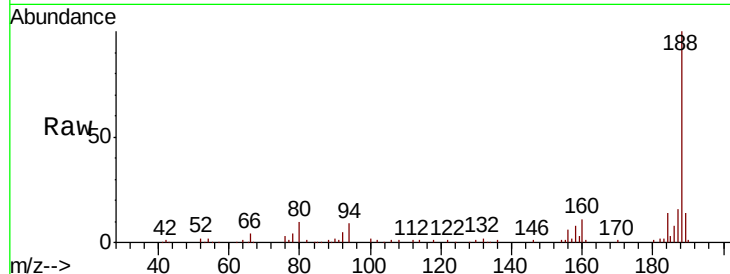




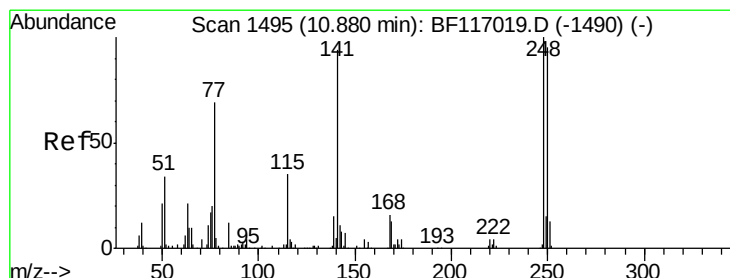
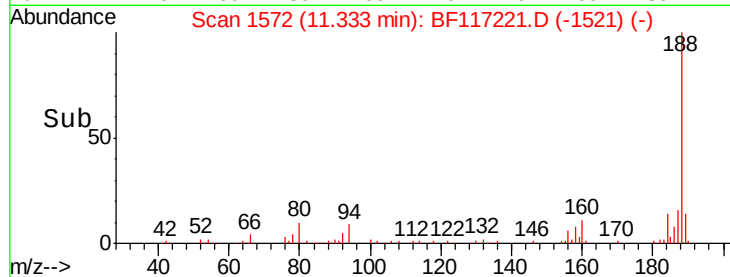
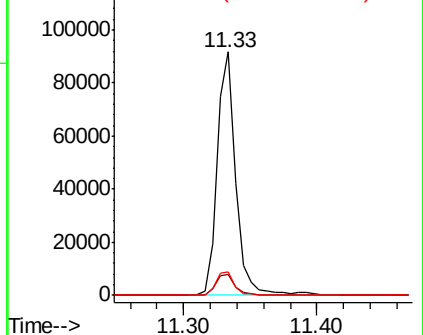
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117221.D
 Acq: 24 Sep 2019 17:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	188	Ratio	Lower	Upper
188	100			
94	8.8	8.2	12.2	
80	9.8	9.0	13.6	

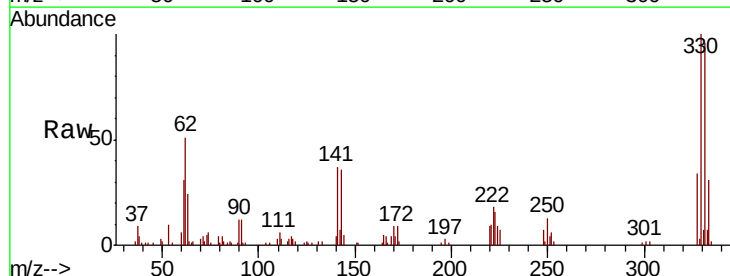


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

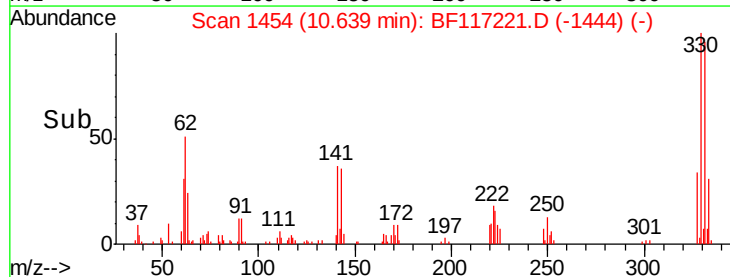
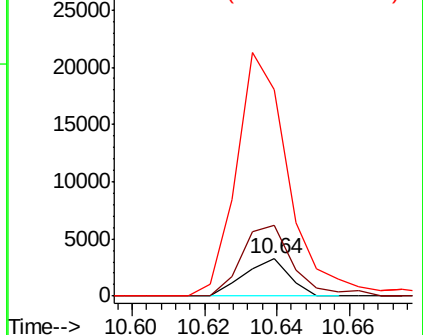


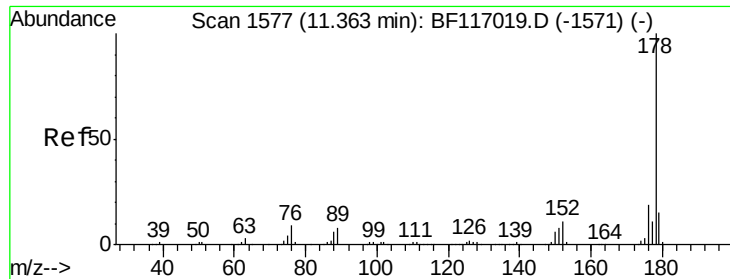
#67
 4-Bromophenyl-phenylether
 Concen: 2.995 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117221.D
 Acq: 24 Sep 2019 17:53

Tgt Ion	248	Ratio	Lower	Upper
248	100			
250	190.4	76.2	114.4#	
141	557.4	75.0	112.4#	



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

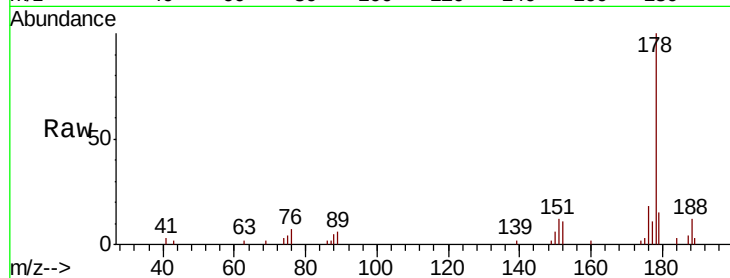




#71
Phenanthrene
Concen: 3.441 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.4	15.4	23.2	
179	14.7	12.4	18.6	

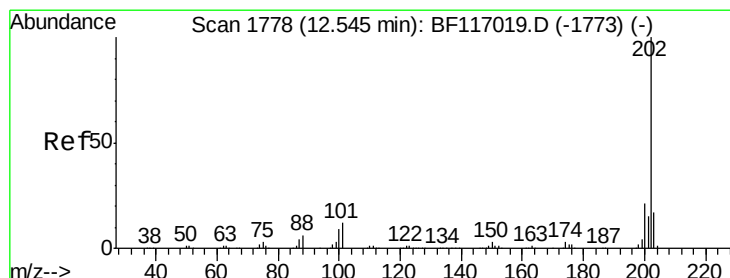
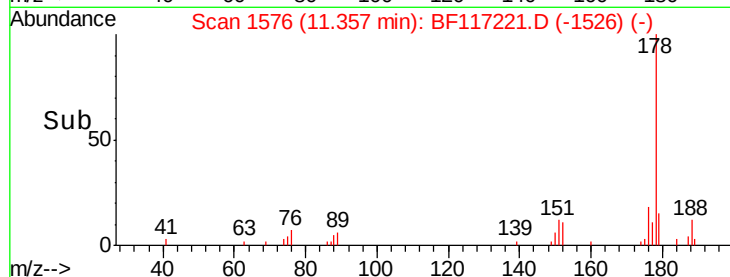
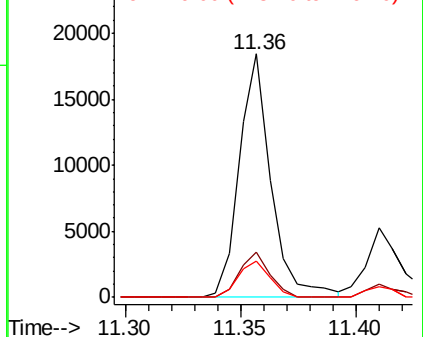


Abundance

Ion 178.00 (177.70 to 178.70): E

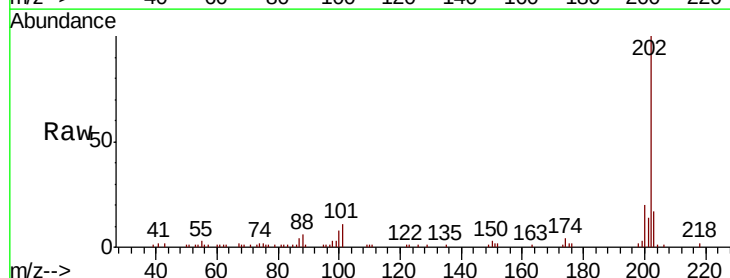
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 9.371 ng
RT: 12.54 min Scan# 1778
Delta R.T. 0.00 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	10.7	0.0	32.3	
203	16.5	0.0	37.1	

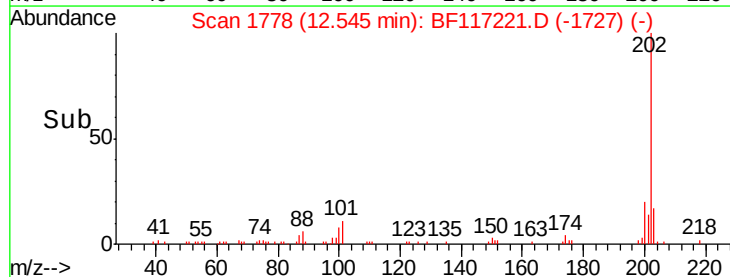
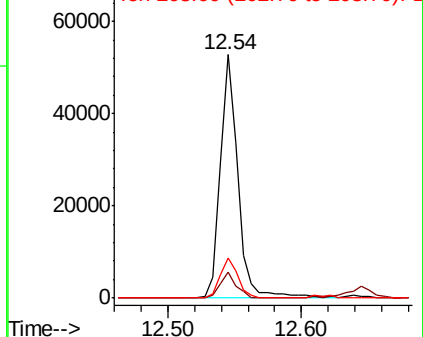


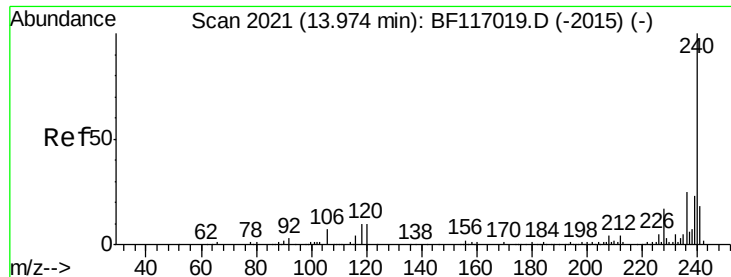
Abundance

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

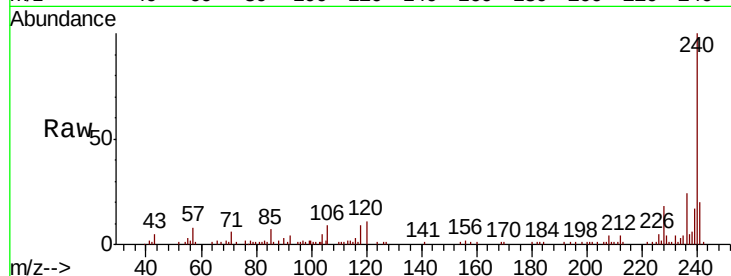




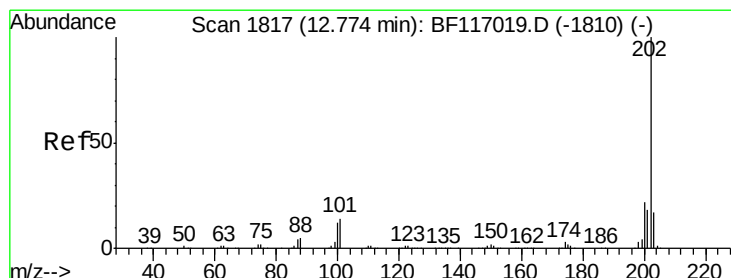
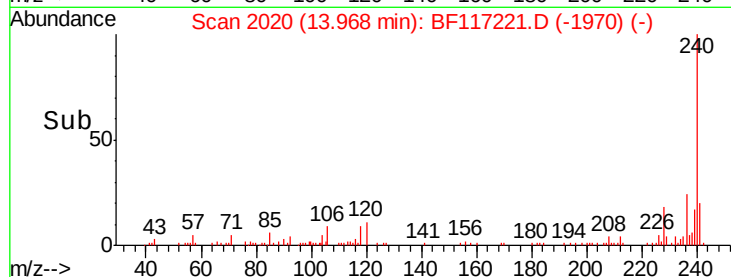
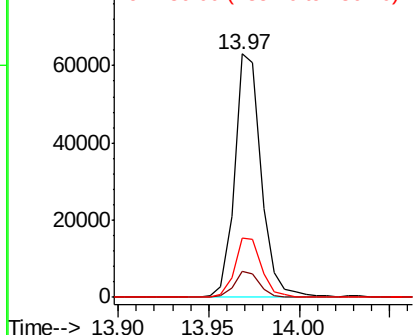
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.3	12.5
236	24.3	20.3	30.5

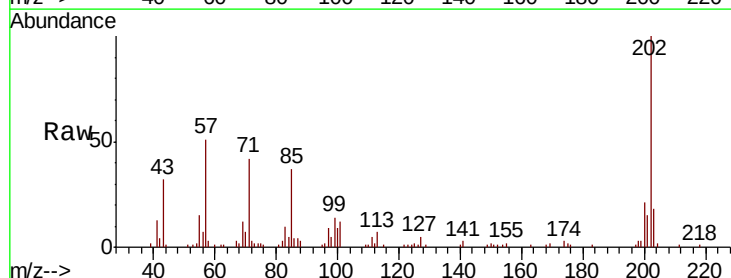


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

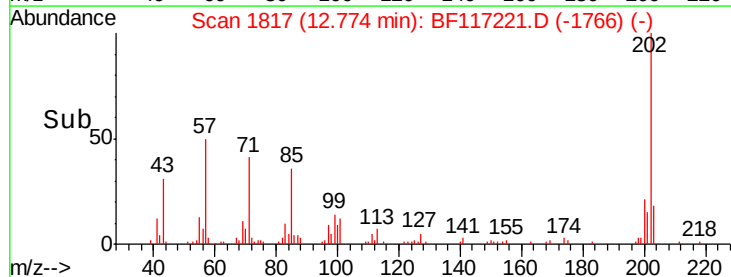
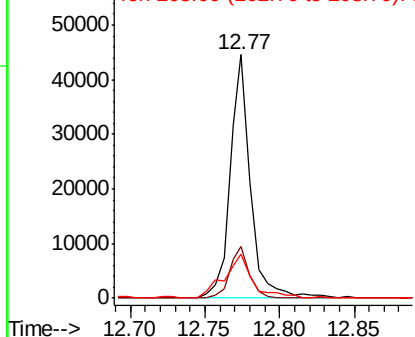


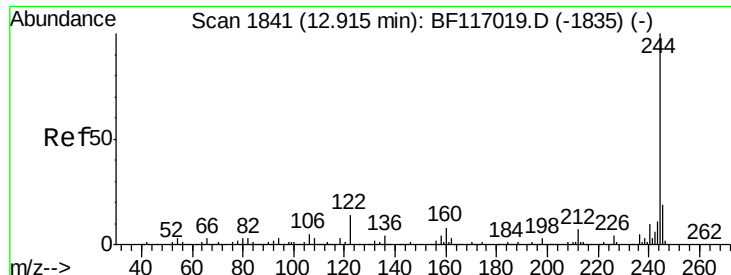
#78
Pyrene
Concen: 7.902 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	18.1	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

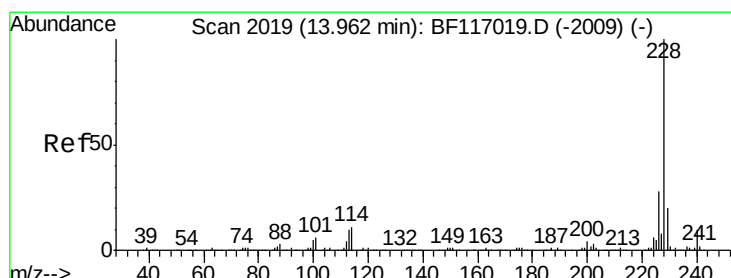
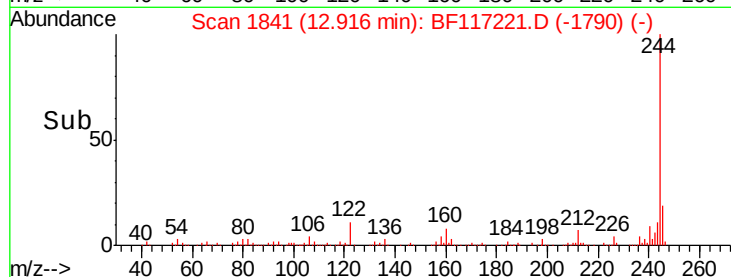
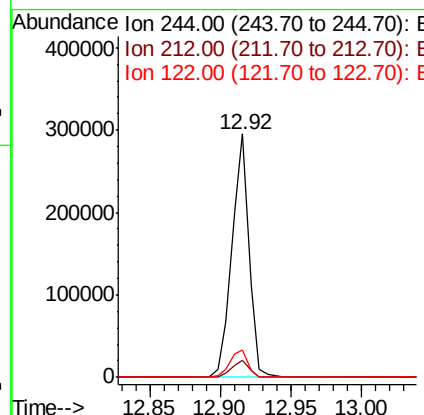
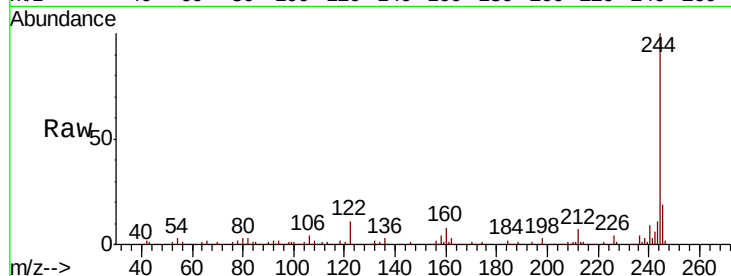




#79
 Terphenyl-d14
 Concen: 72.032 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117221.D
 Acq: 24 Sep 2019 17:53

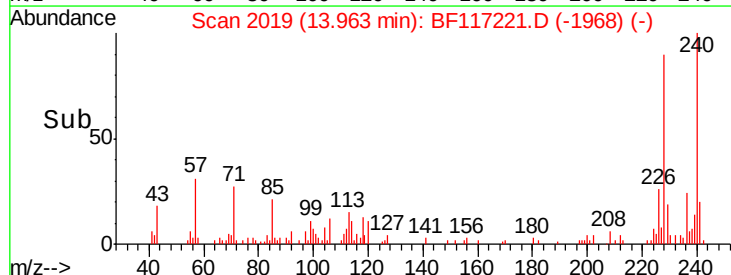
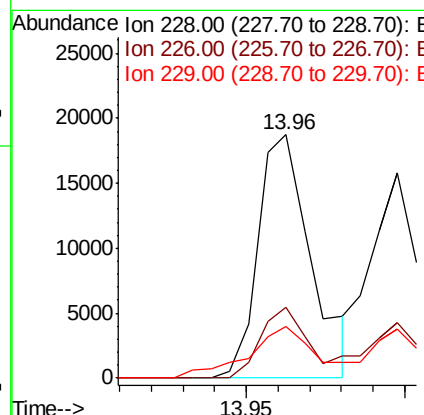
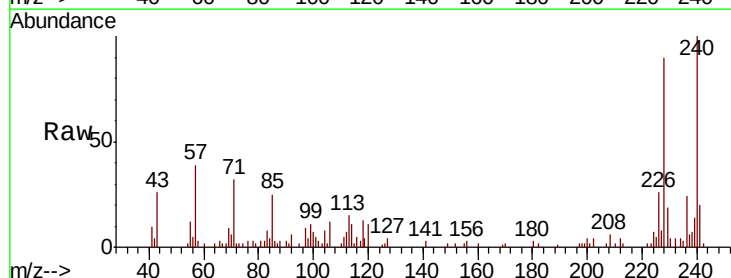
Instrument :
 BNA_F
 ClientSampleId :

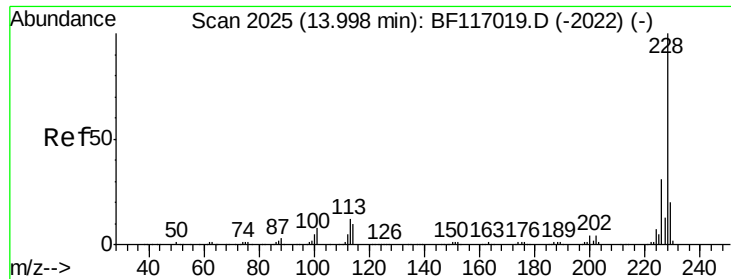
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	11.4	11.3	16.9



#81
 Benzo(a)anthracene
 Concen: 5.022 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BF117221.D
 Acq: 24 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.3	33.5
229	21.2	15.9	23.9





#83

Chrysene

Concen: 4.130 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF117221.D

Acq: 24 Sep 2019 17:53

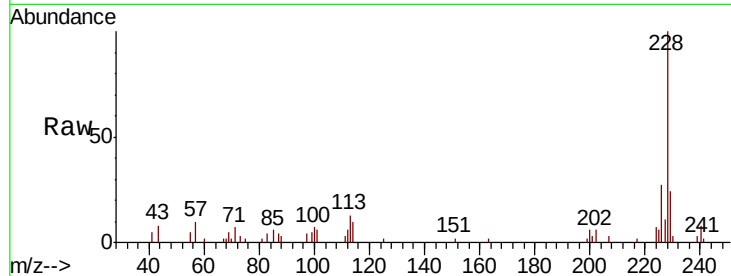
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 17367

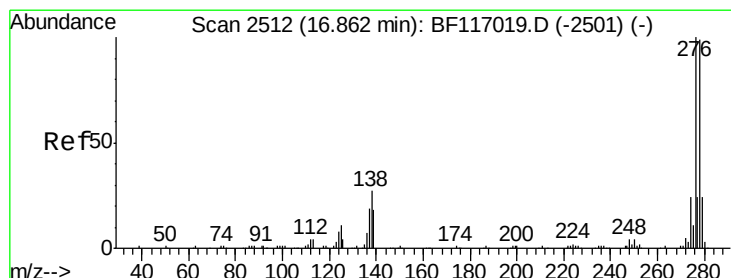
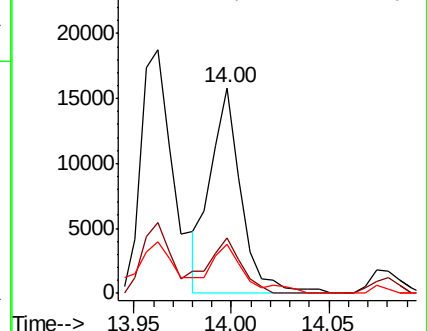
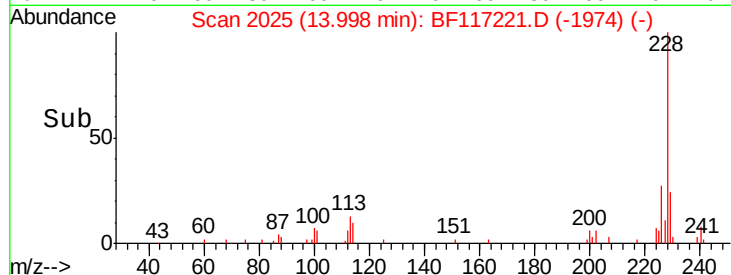
Ion	Ratio	Lower	Upper
228	100		
226	27.2	24.8	37.2
229	23.7	15.8	23.8



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.121 ng

RT: 16.88 min Scan# 2515

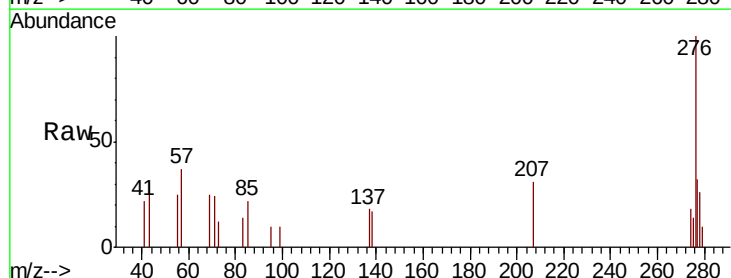
Delta R.T. 0.02 min

Lab File: BF117221.D

Acq: 24 Sep 2019 17:53

Tgt Ion:276 Resp: 6506

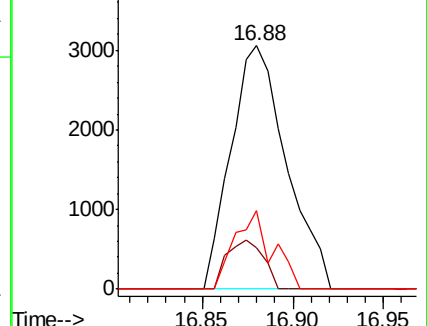
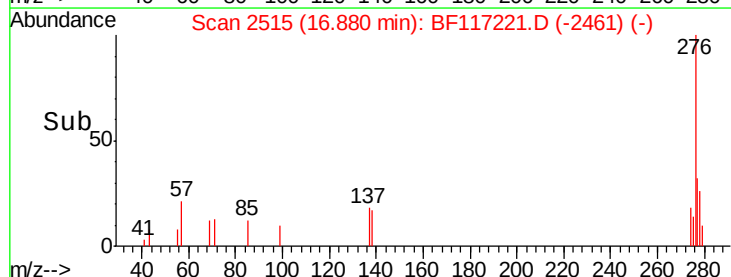
Ion	Ratio	Lower	Upper
276	100		
138	13.1	20.7	31.1#
277	21.7	19.8	29.8

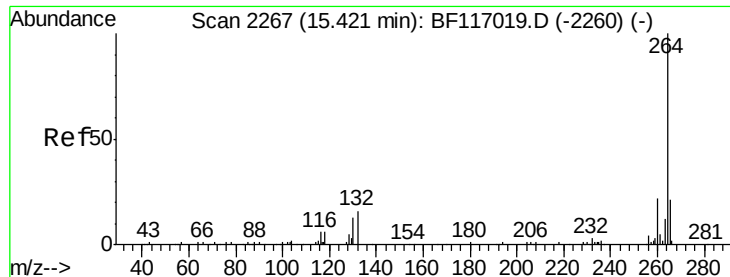


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

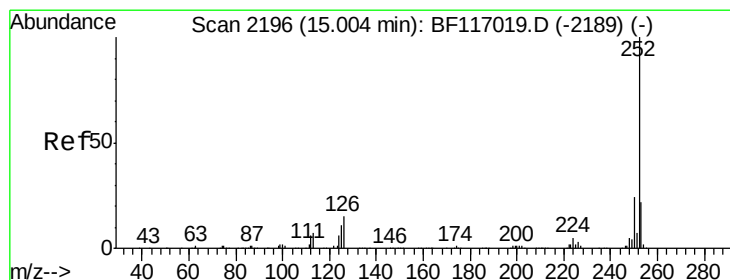
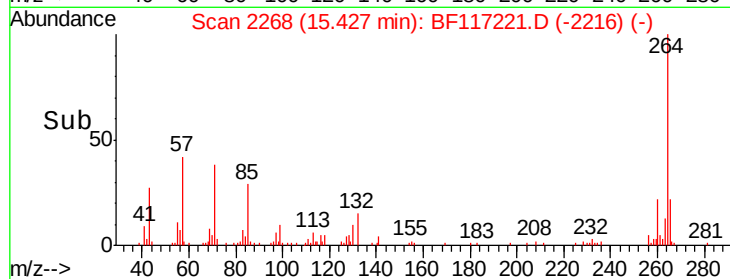
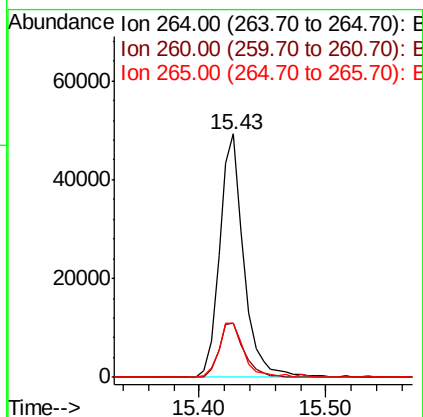
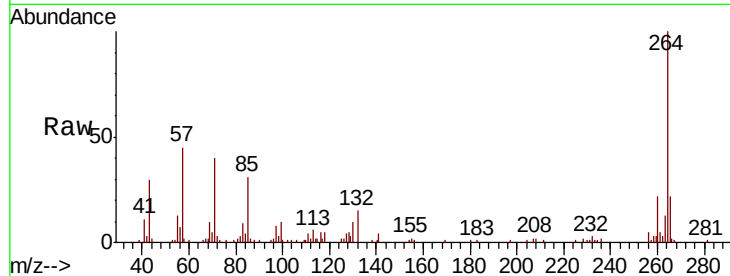




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

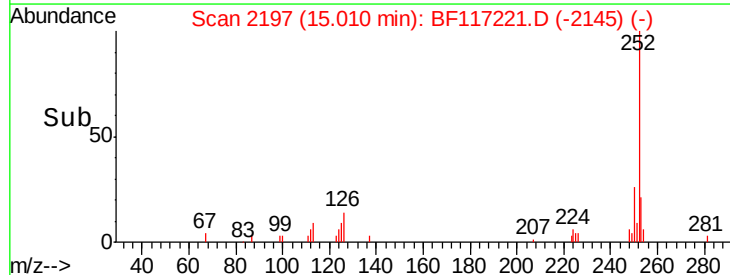
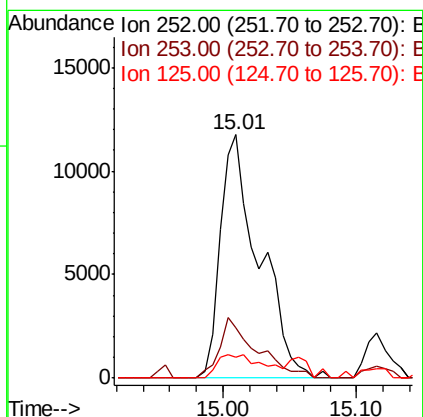
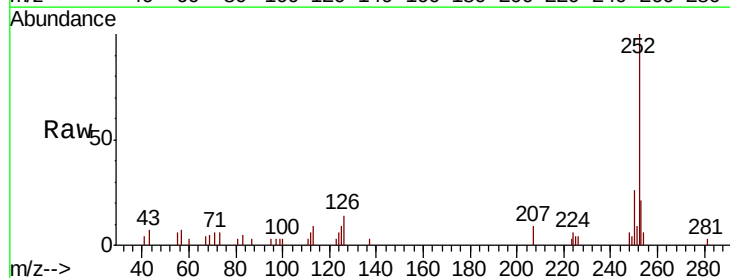
Instrument :
BNA_F
ClientSampleId :

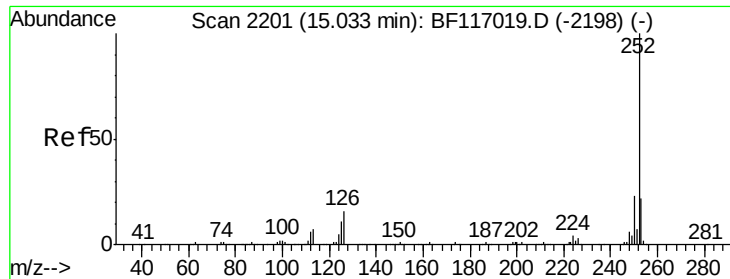
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.6	26.4
265	22.2	16.6	24.8



#88
Benzo(b)fluoranthene
Concen: 6.052 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.6	26.4
125	8.7	8.6	12.8

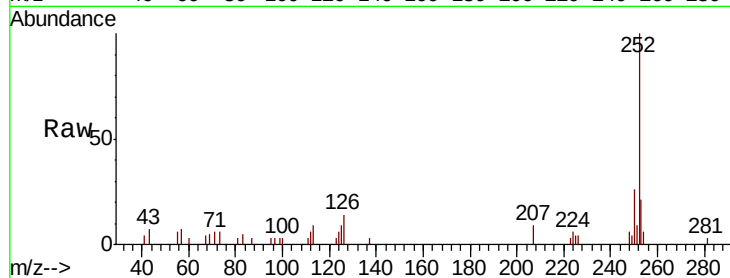




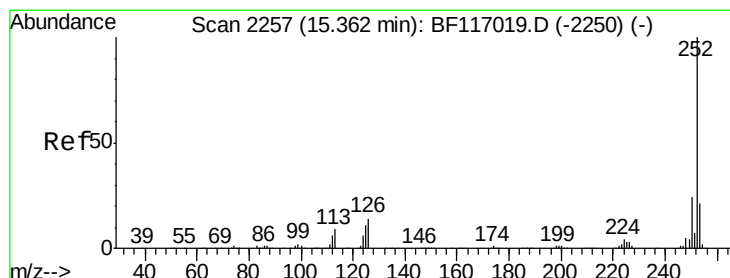
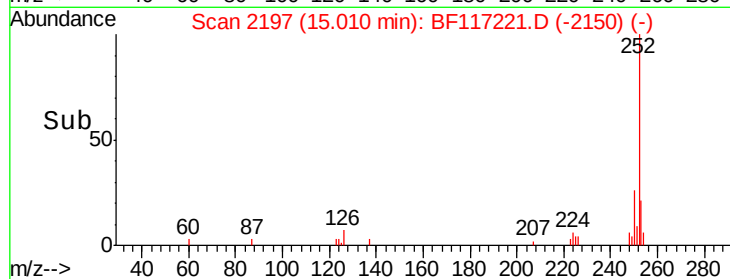
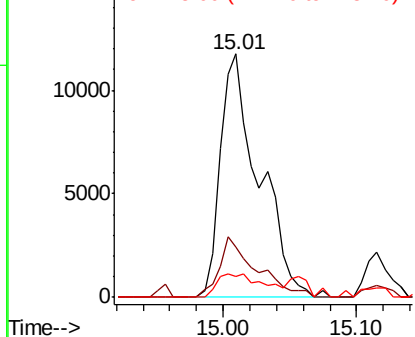
#89
Benzo(k)fluoranthene
Concen: 6.389 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 23826
Ion Ratio Lower Upper
252 100
253 20.8 17.4 26.2
125 8.7 8.8 13.2#

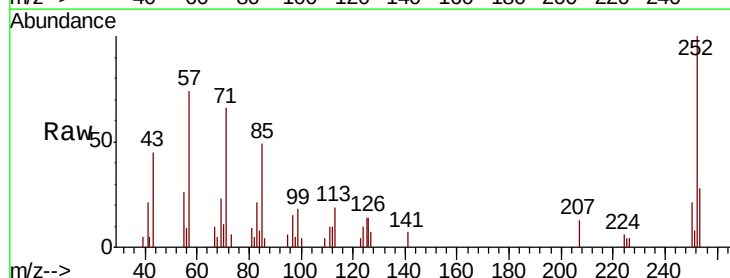


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

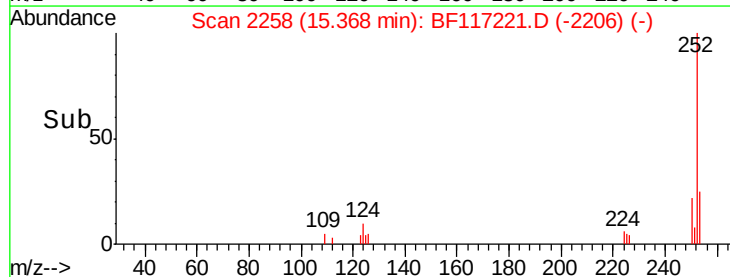
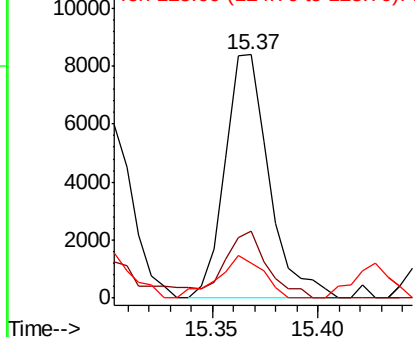


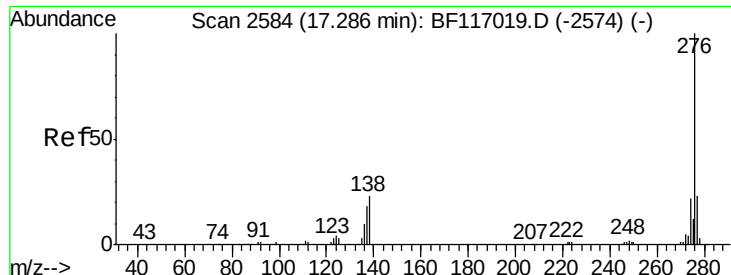
#90
Benzo(a)pyrene
Concen: 3.511 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF117221.D
Acq: 24 Sep 2019 17:53

Tgt Ion:252 Resp: 12129
Ion Ratio Lower Upper
252 100
253 27.6 16.6 25.0#
125 14.4 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(a,h,i)perylene

Concen: 2.282 ng

RT: 17.32 min Scan# 2589

Delta R.T. 0.03 min

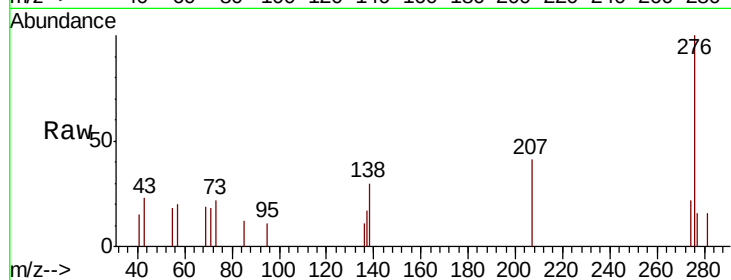
Lab File: BF117221.D

Acq: 24 Sep 2019 17:53

Instrument :

BNA_F

ClientSampleId :



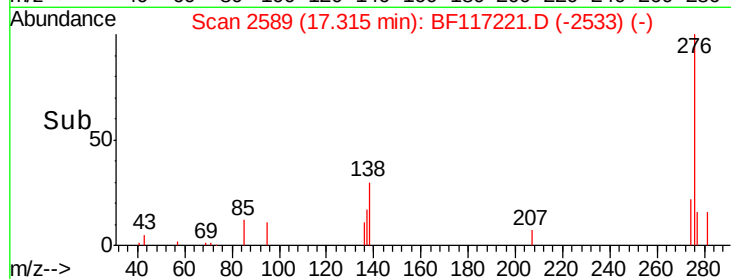
Tot Ion:276 Resp: 6258

Ion Ratio Lower Upper

276 100

277 16.1 18.6 27.8#

138 29.5 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

