

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
 Data File : BF117841.D
 Acq On : 18 Nov 2019 17:57
 Operator : JU
 Sample : K5833-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 18 23:56:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	224519	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	857890	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	436339	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	738162	20.00	ng	0.00
76) Chrysene-d12	14.11	240	453778	20.00	ng	0.00
87) Perylene-d12	15.62	264	585788	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1241701	97.90	ng	0.00
7) Phenol-d6	6.54	99	1572416	102.78	ng	0.00
23) Nitrobenzene-d5	7.48	82	983560	68.15	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	433889	93.93	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	1892089	77.79	ng	0.00
79) Terphenyl-d14	13.05	244	1633811	65.80	ng	0.00

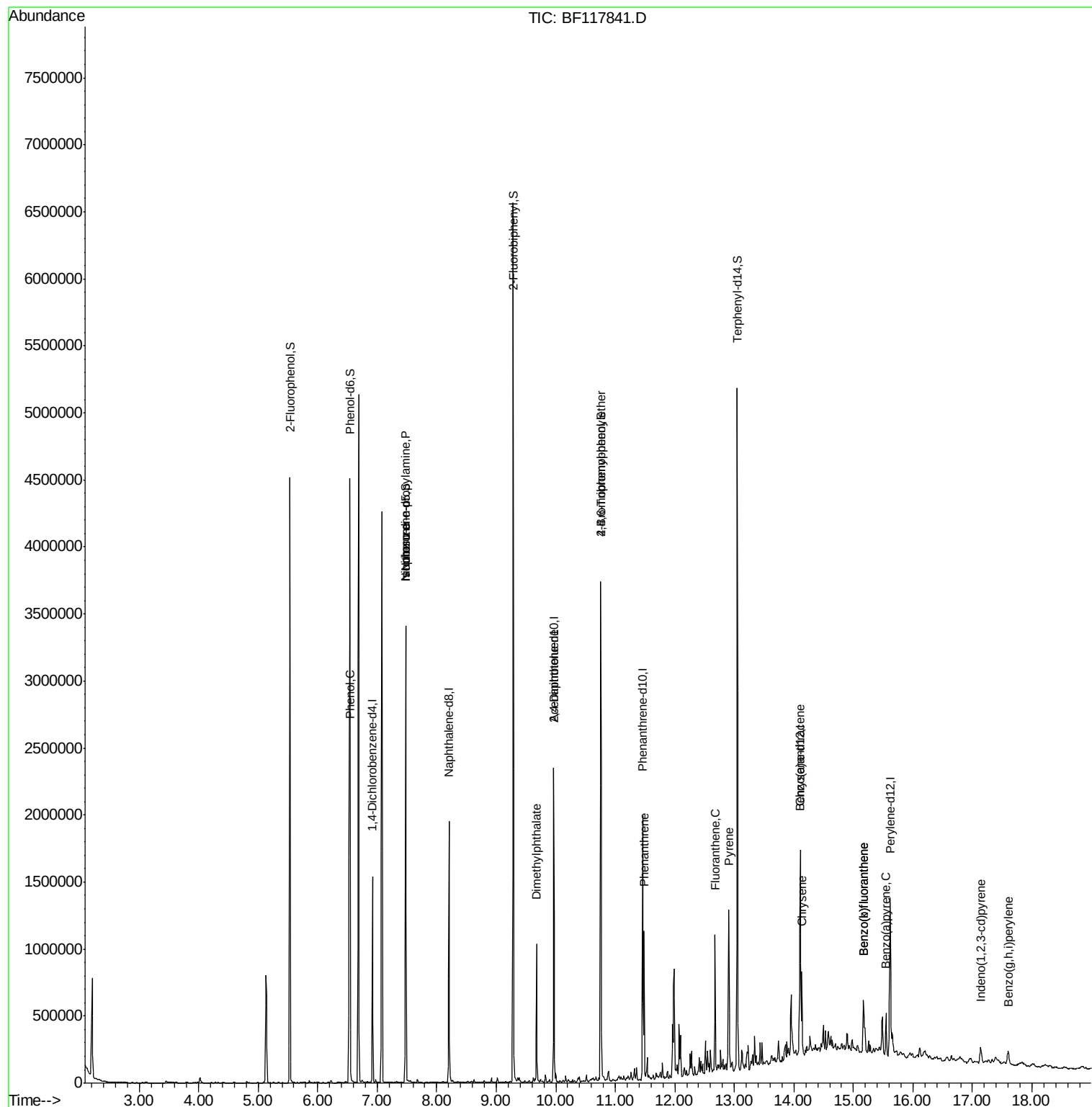
Target Compounds				Qvalue		
9) Benzaldehyde	6.47	77	1021	Below Cal	#	71
10) Phenol	6.55	94	63871	4.018	ng	94
19) n-Nitroso-di-n-propylamine	7.48	70	133916	14.189	ng	# 75
25) Isophorone	7.48	82	983540	37.184	ng	# 62
50) Dimethylphthalate	9.67	163	385980	12.615	ng	99
57) 2,4-Dinitrotoluene	9.97	165	57383	6.746	ng	# 24
67) 4-Bromophenyl-phenylether	10.76	248	28119	3.530	ng	# 1
71) Phenanthrene	11.49	178	416311	11.218	ng	97
75) Fluoranthene	12.67	202	371558	4.166	ng	99
78) Pyrene	12.91	202	496835	13.548	ng	99
81) Benzo(a)anthracene	14.10	228	206951	6.902	ng	97
83) Chrysene	14.13	228	235457	8.103	ng	99
86) Indeno(1,2,3-cd)pyrene	17.14	276	82220	3.325	ng	97
88) Benzo(b)fluoranthene	15.17	252	285579	7.504	ng	98
89) Benzo(k)fluoranthene	15.17	252	285579	7.964	ng	98
90) Benzo(a)pyrene	15.55	252	156323	4.671	ng	99
92) Benzo(a,h,i)perylene	17.60	276	94405	3.290	ng	99

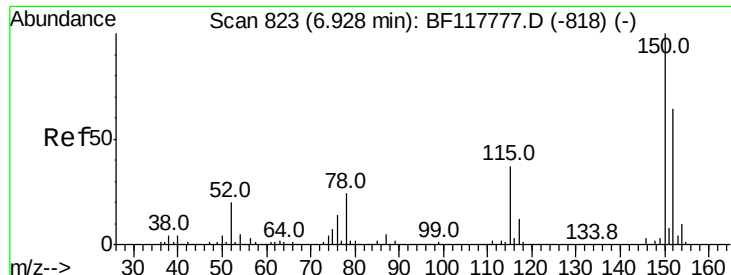
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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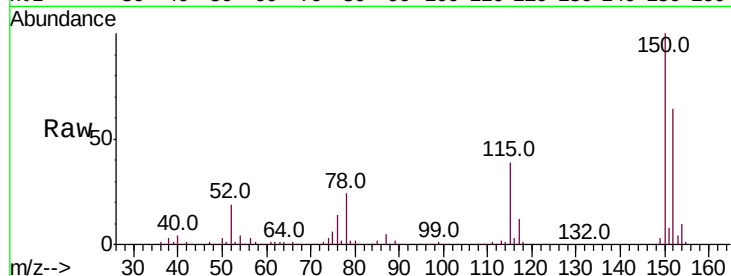


#1

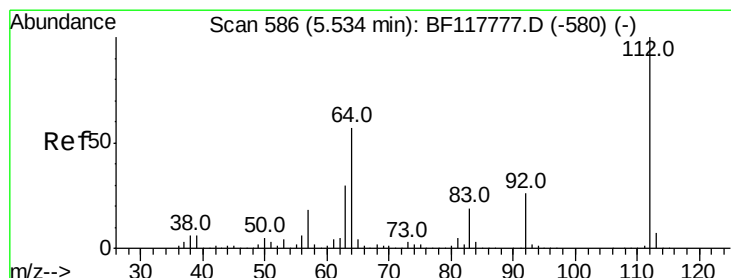
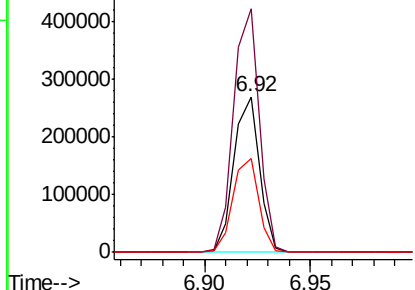
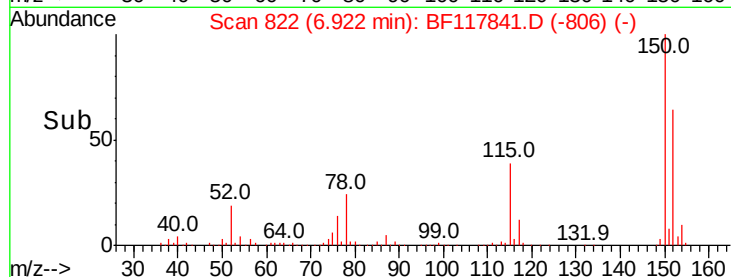
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.92 min Scan# 822
 Delta R.T. -0.01 min
 Lab File: BF117841.D
 Acq: 18 Nov 2019 17:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 224519
 Ion Ratio Lower Upper
 152 100
 150 156.4 125.3 187.9
 115 60.4 47.0 70.4



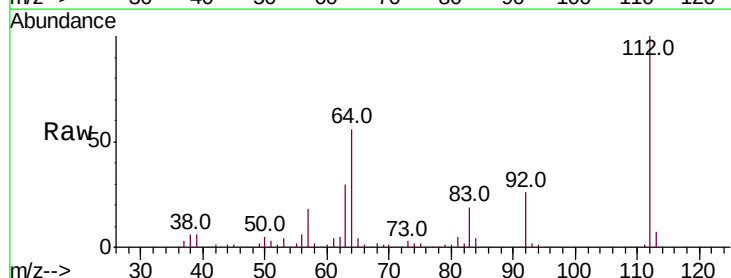
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



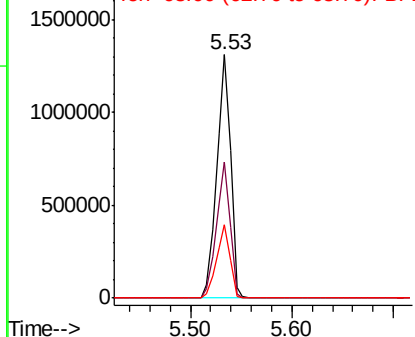
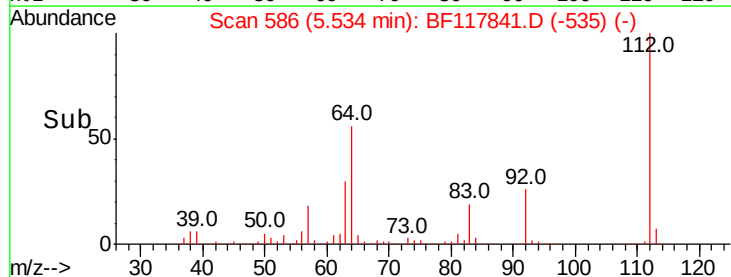
#5

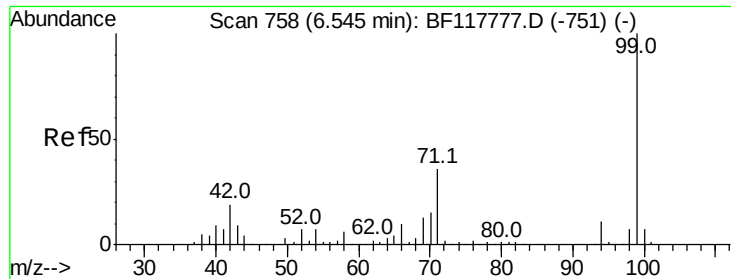
2-Fluorophenol
 Concen: 97.896 ng
 RT: 5.53 min Scan# 586
 Delta R.T. -0.00 min
 Lab File: BF117841.D
 Acq: 18 Nov 2019 17:57

Tgt Ion:112 Resp: 1241701
 Ion Ratio Lower Upper
 112 100
 64 56.1 45.6 68.4
 63 30.4 24.1 36.1



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: 102.780 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117841.D

Acq: 18 Nov 2019 17:57

Instrument :

BNA_F

ClientSampleId :

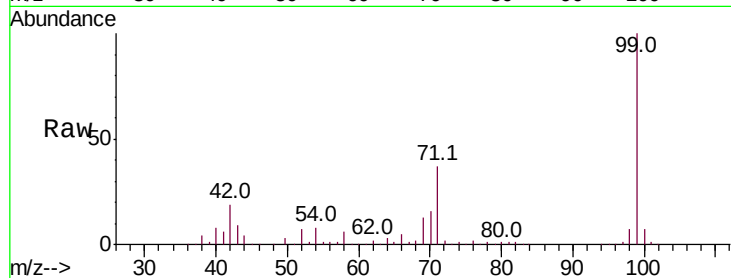
Tot Ion: 99 Resp: 1572416

Ion Ratio Lower Upper

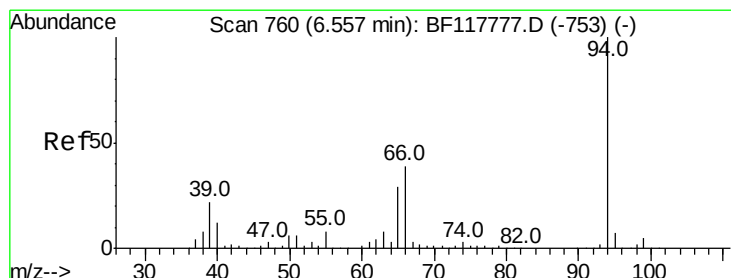
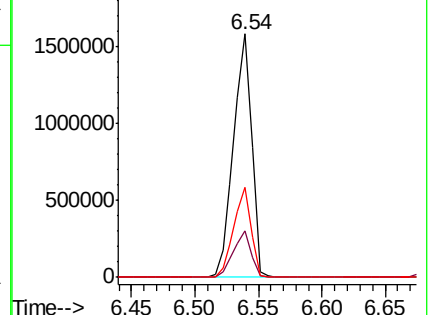
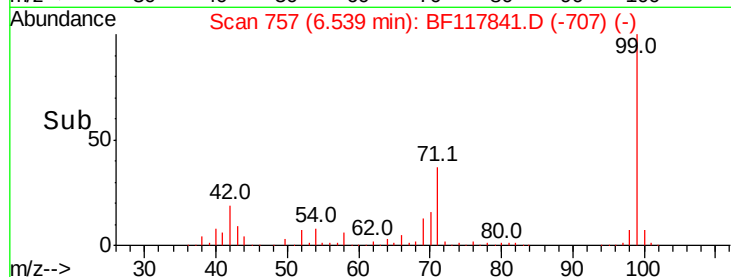
99 100

42 18.9 14.9 22.3

71 36.9 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: 4.018 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117841.D

Acq: 18 Nov 2019 17:57

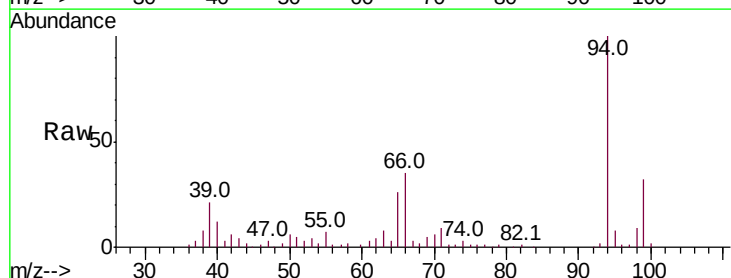
Tgt Ion: 94 Resp: 63871

Ion Ratio Lower Upper

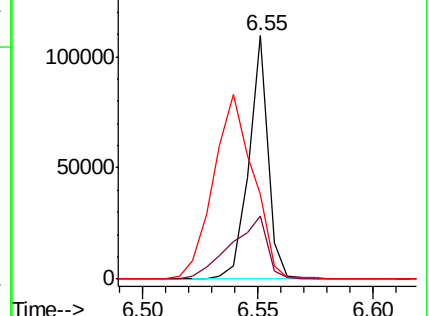
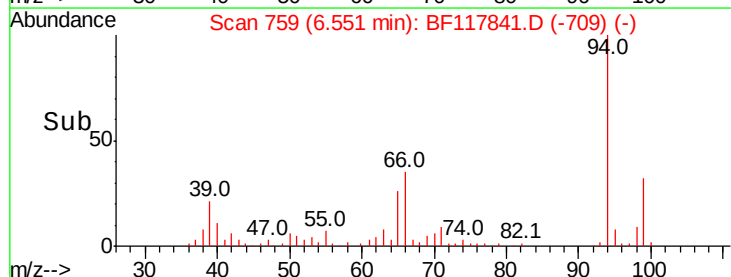
94 100

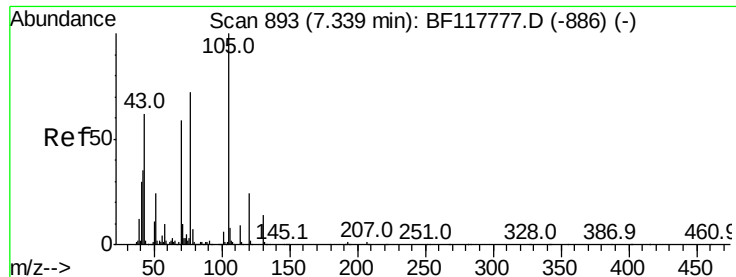
65 26.2 8.9 48.9

66 34.9 18.7 58.7



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

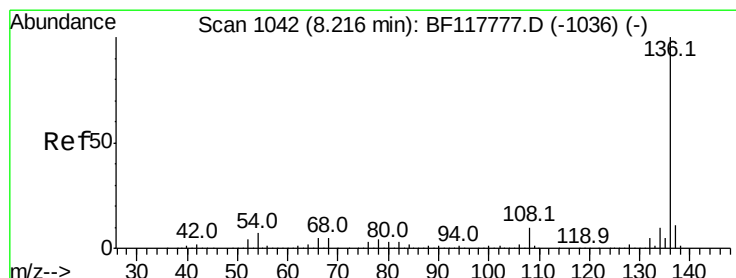
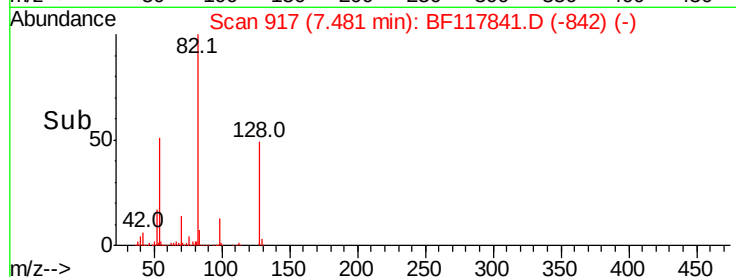
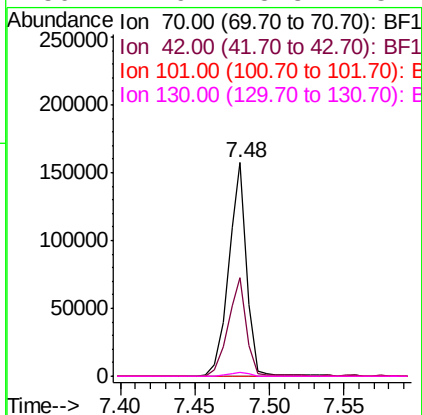
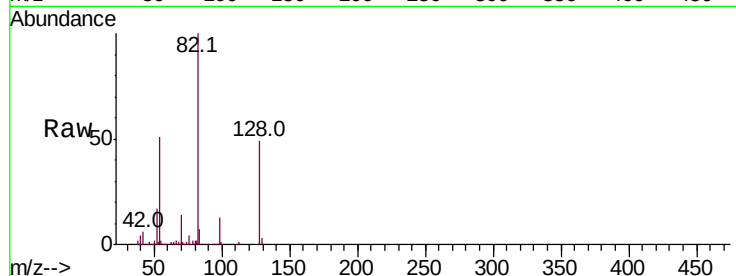




#19
n-Nitroso-di-n-propylamine
Concen: 14.189 ng
RT: 7.48 min Scan# 917
Delta R.T. 0.14 min
Lab File: BF117841.D
Acq: 18 Nov 2019 17:57

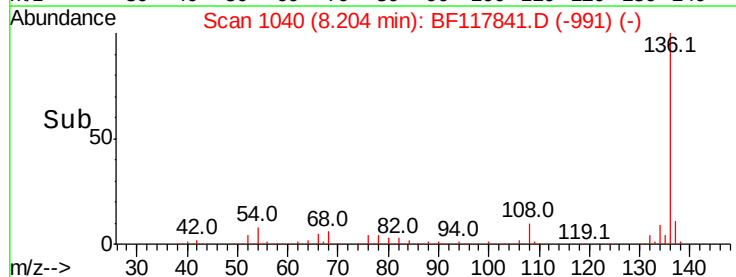
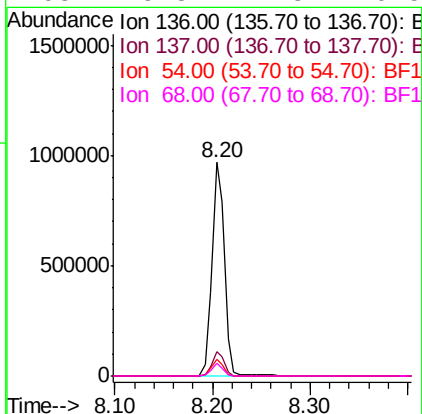
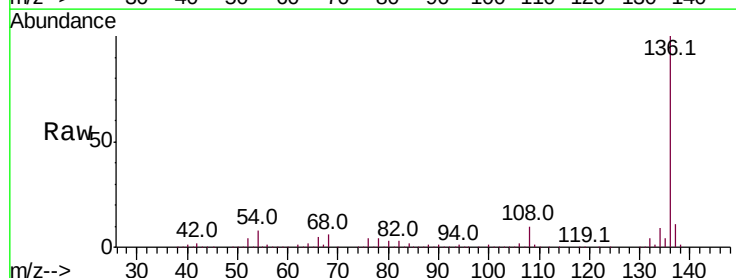
Instrument :
BNA_F
ClientSampleId :

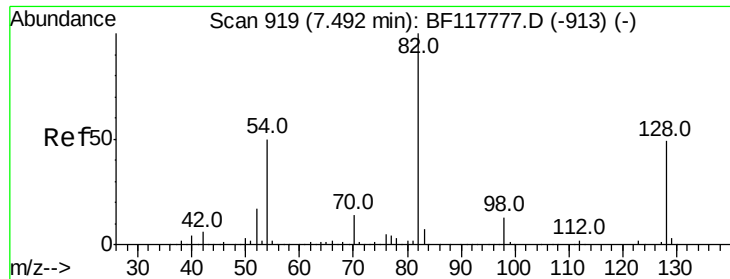
Tot Ion: 70 Resp: 133916
Ion Ratio Lower Upper
70 100
42 46.2 47.4 71.2#
101 0.0 8.4 12.6#
130 1.9 18.8 28.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117841.D
Acq: 18 Nov 2019 17:57

Tgt Ion: 136 Resp: 857890
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.4
54 7.8 5.4 8.2
68 5.8 4.3 6.5

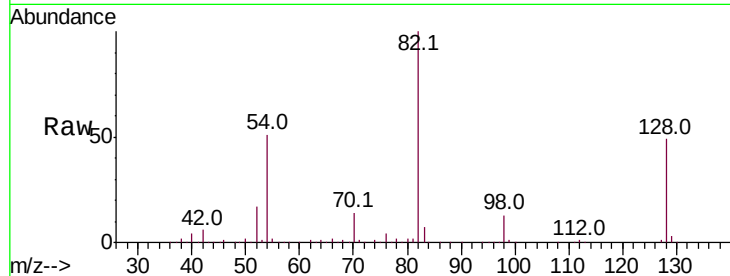




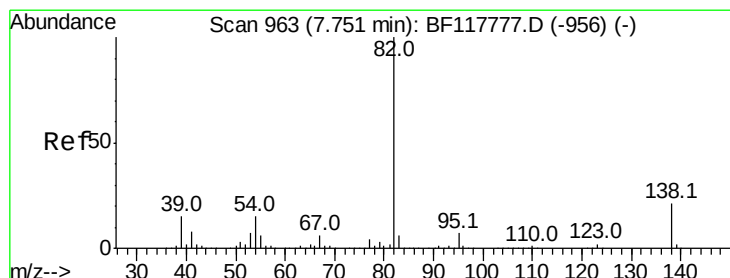
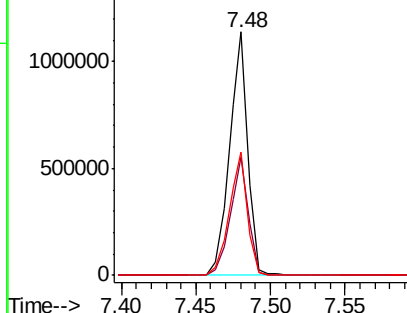
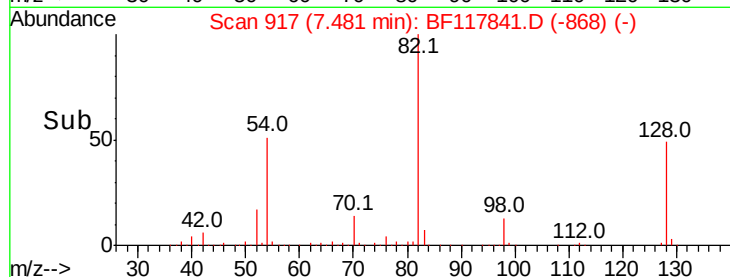
#23
Nitrobenzene-d5
Concen: 68.154 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF117841.D
Acq: 18 Nov 2019 17:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	983560
Ion Ratio	Lower	Upper	
82	100		
128	48.7	38.9	58.3
54	50.7	39.8	59.6

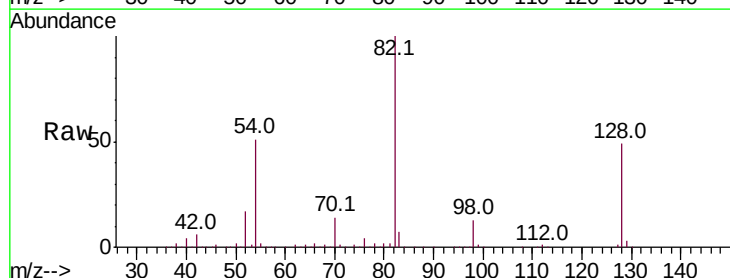


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

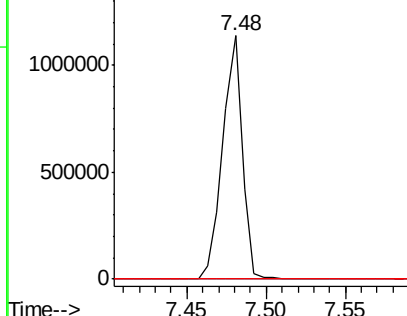
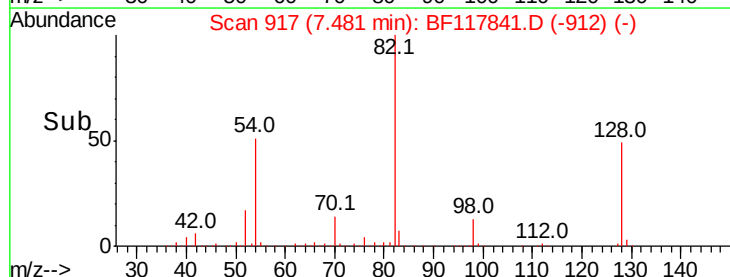


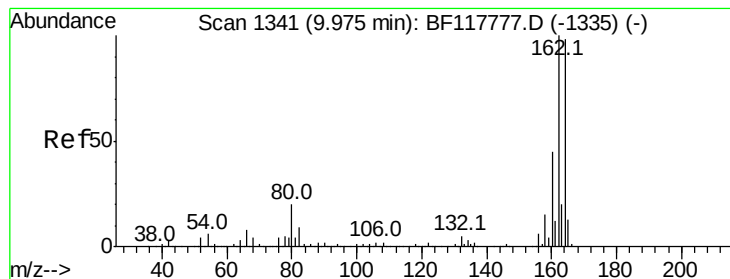
#25
Isophorone
Concen: 37.184 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.27 min
Lab File: BF117841.D
Acq: 18 Nov 2019 17:57

Tgt Ion	82	Resp	983540
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.8#
138	0.0	16.5	24.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF117841.D

Acq: 18 Nov 2019 17:57

Instrument :

BNA_F

ClientSampleId :

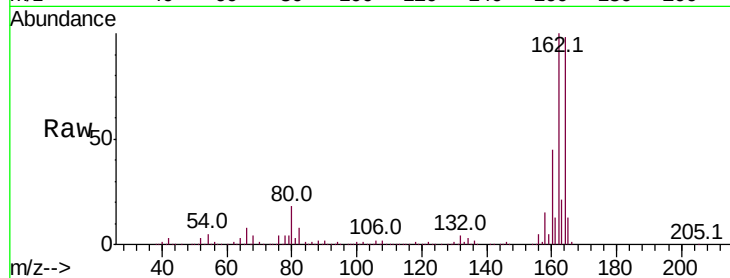
Tot Ion:164 Resp: 436339

Ion Ratio Lower Upper

164 100

162 101.6 81.3 121.9

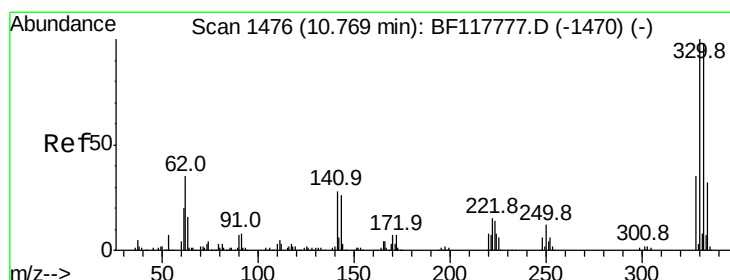
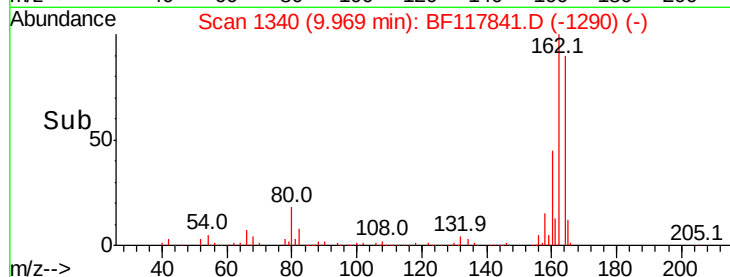
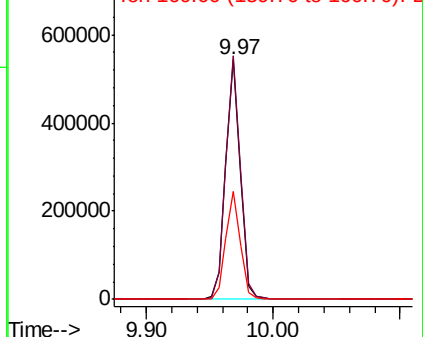
160 45.3 36.6 55.0



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: 93.926 ng

RT: 10.76 min Scan# 1474

Delta R.T. -0.01 min

Lab File: BF117841.D

Acq: 18 Nov 2019 17:57

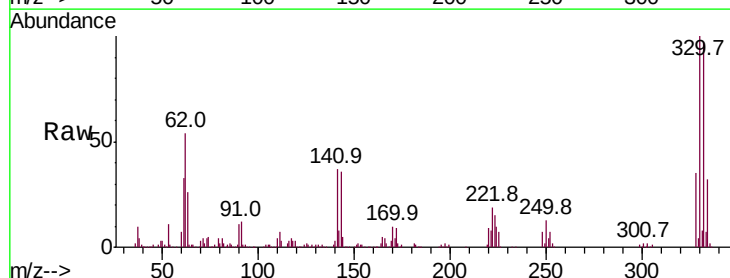
Tgt Ion:330 Resp: 433889

Ion Ratio Lower Upper

330 100

332 98.4 76.7 115.1

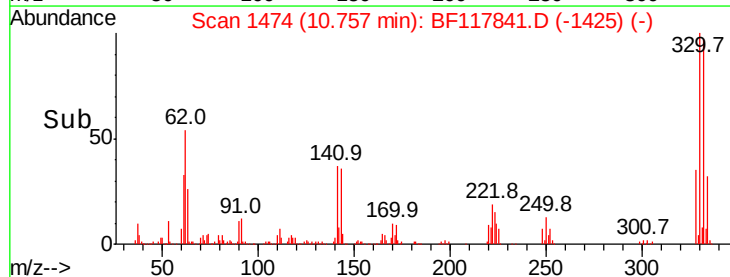
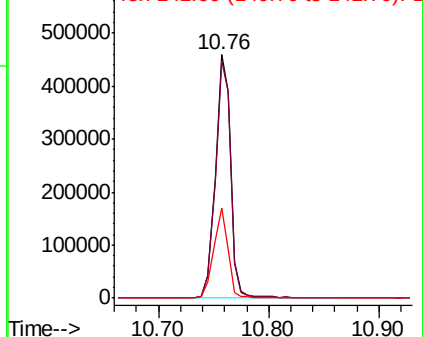
141 34.8 27.7 41.5

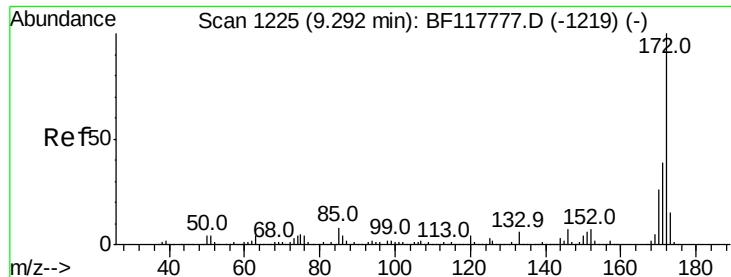


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

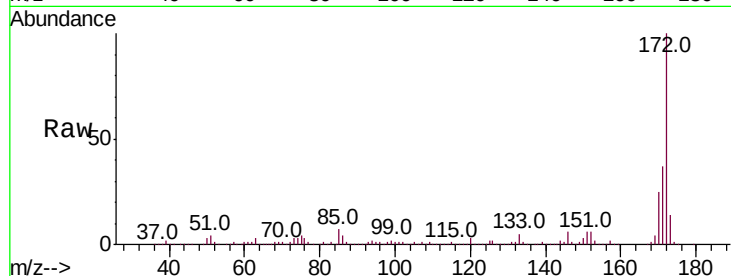




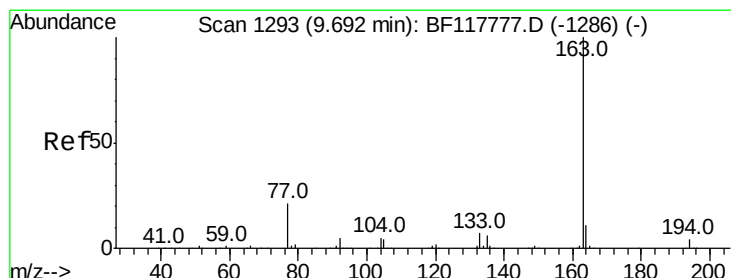
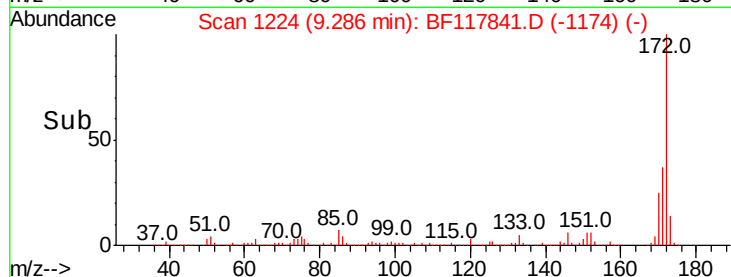
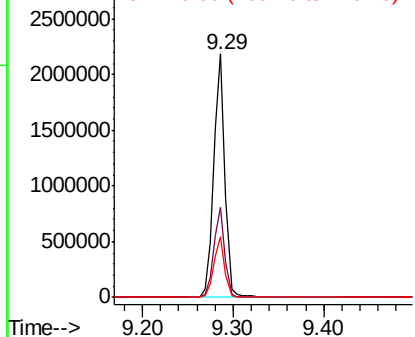
#45
2-Fluorobiphenyl
Concen: 77.794 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF117841.D
Acq: 18 Nov 2019 17:57

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1892089
Ion Ratio Lower Upper
172 100
171 37.0 30.9 46.3
170 24.8 21.0 31.4

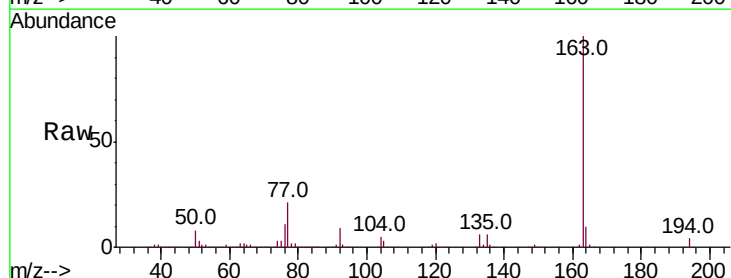


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

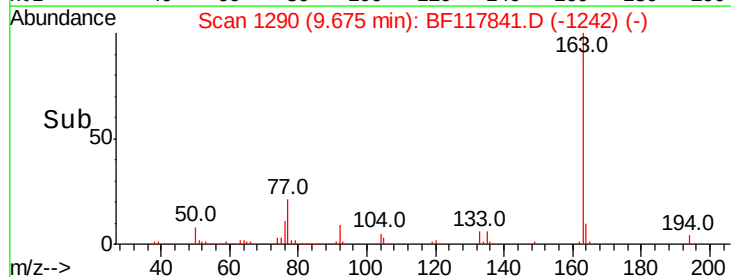
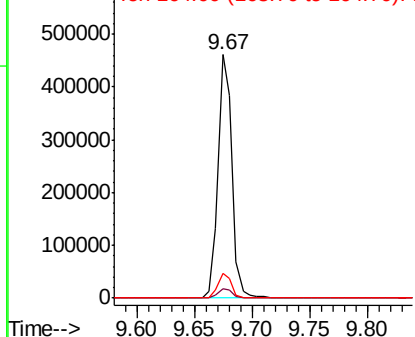


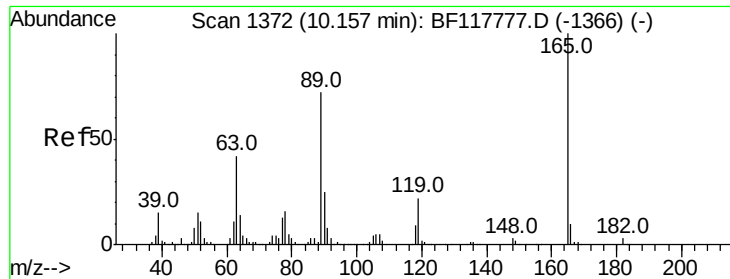
#50
Dimethylphthalate
Concen: 12.615 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117841.D
Acq: 18 Nov 2019 17:57

Tgt Ion:163 Resp: 385980
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.3 8.7 13.1



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

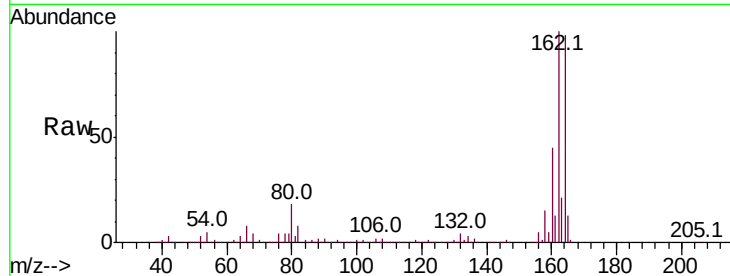




#57
 2,4-Dinitrotoluene
 Concen: 6.746 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.19 min
 Lab File: BF117841.D
 Acq: 18 Nov 2019 17:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	33.7	50.5#
89	1.2	57.3	85.9#
182	0.0	2.3	3.5#

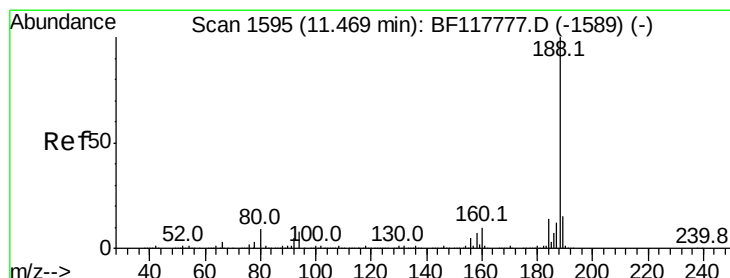
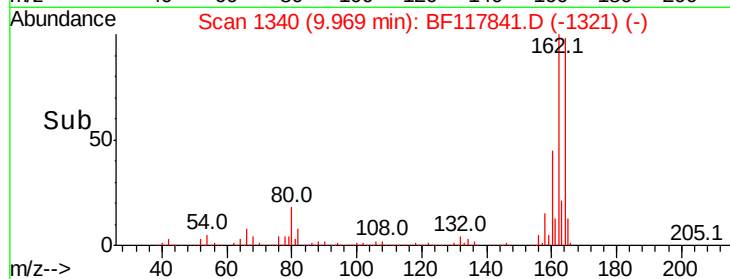
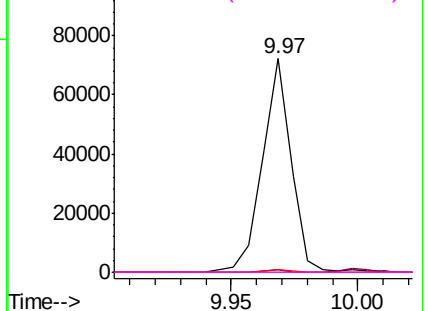


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

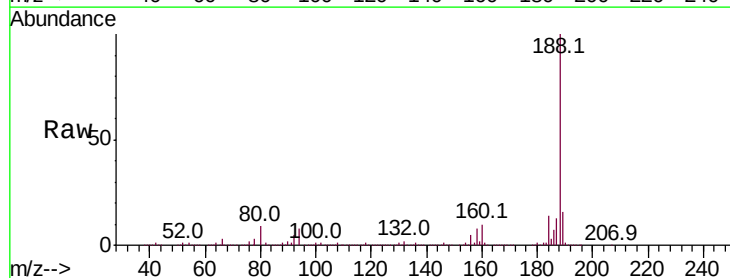
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF117841.D
 Acq: 18 Nov 2019 17:57

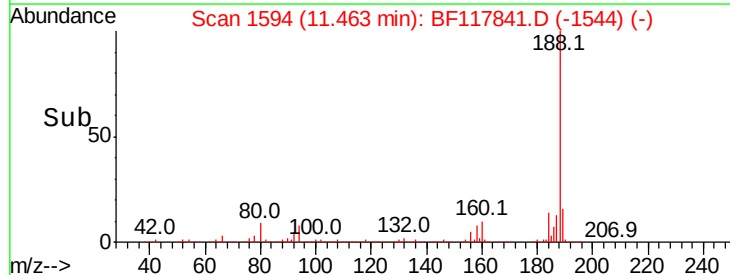
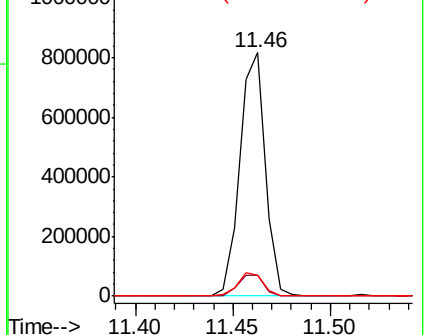
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	8.8	7.2	10.8

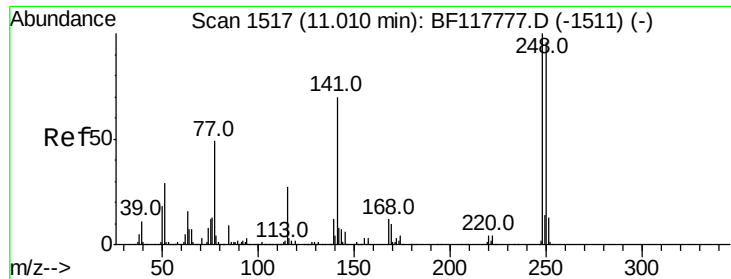


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

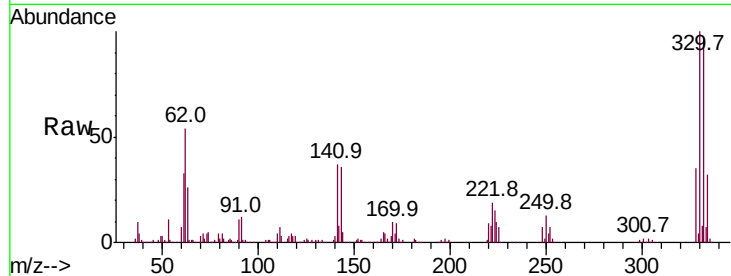




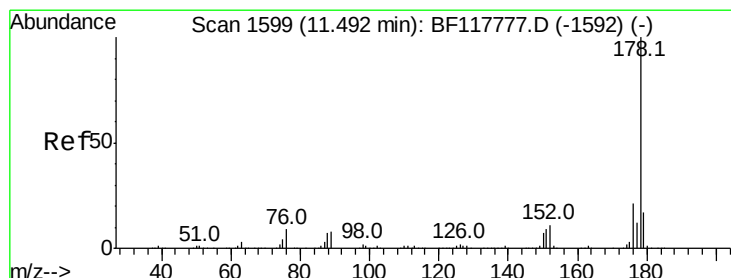
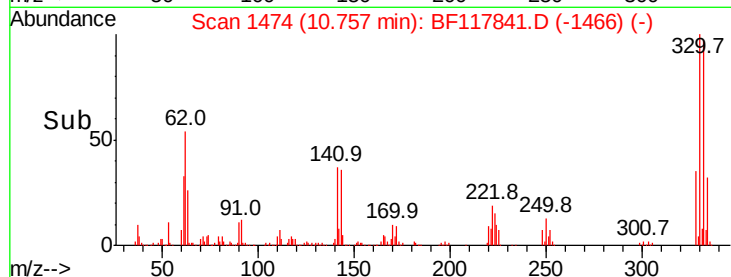
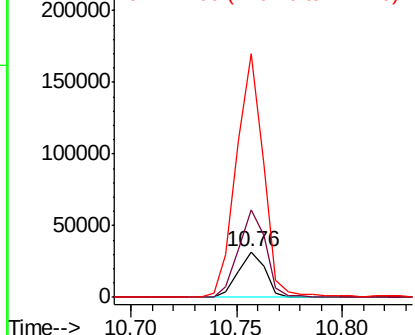
#67
 4-Bromophenyl-phenylether
 Concen: 3.530 ng
 RT: 10.76 min Scan# 1474
 Delta R.T. -0.25 min
 Lab File: BF117841.D
 Acq: 18 Nov 2019 17:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 28119
 Ion Ratio Lower Upper
 248 100
 250 191.4 76.6 115.0#
 141 532.5 55.9 83.9#

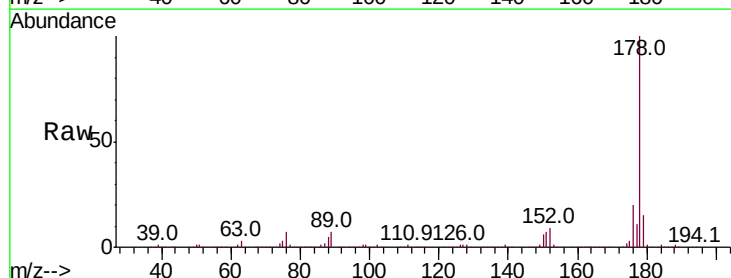


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

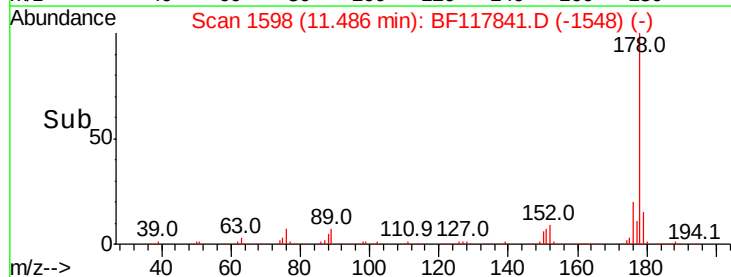
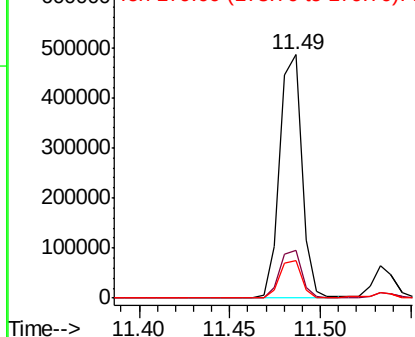


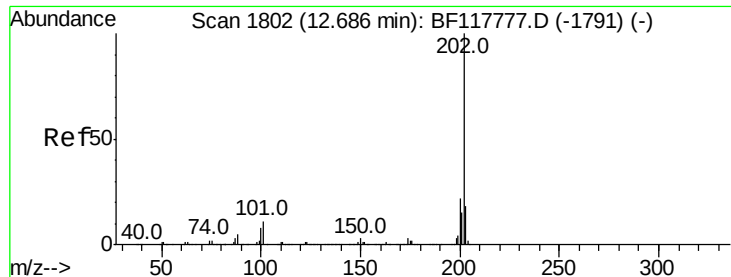
#71
 Phenanthrene
 Concen: 11.218 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF117841.D
 Acq: 18 Nov 2019 17:57

Tgt Ion:178 Resp: 416311
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.6 25.0
 179 15.2 13.2 19.8



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: 4.166 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF117841.D

Acq: 18 Nov 2019 17:57

Instrument :

BNA_F

ClientSampled :

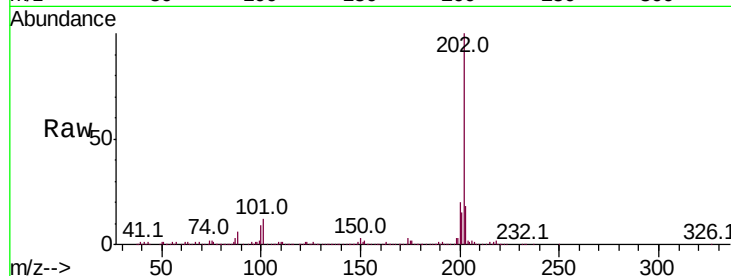
Tot Ion:202 Resp: 371558

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.1

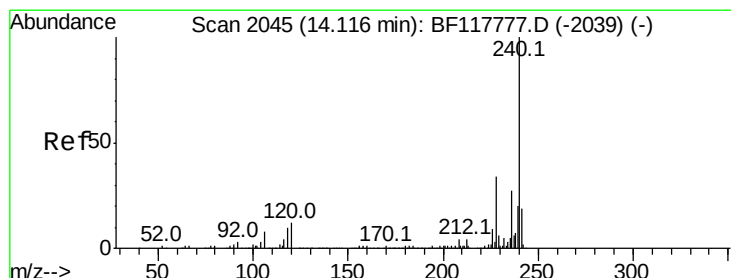
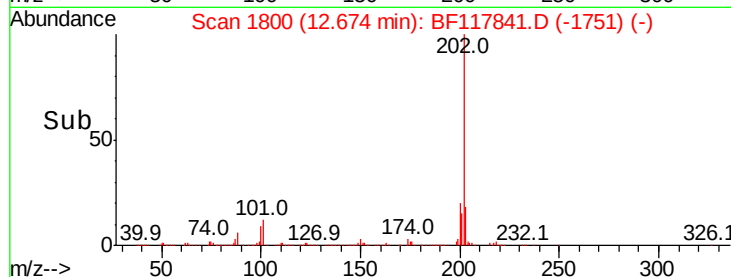
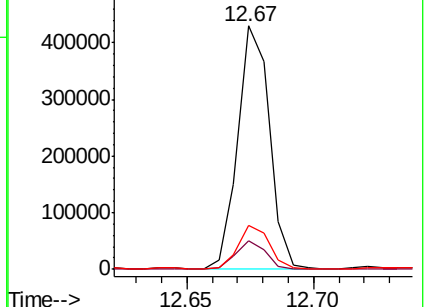
203 18.1 0.0 38.2



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: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF117841.D

Acq: 18 Nov 2019 17:57

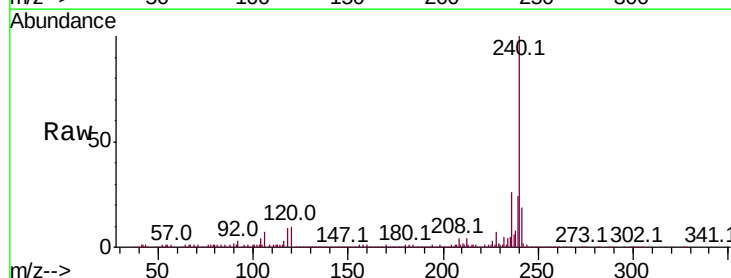
Tgt Ion:240 Resp: 453778

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

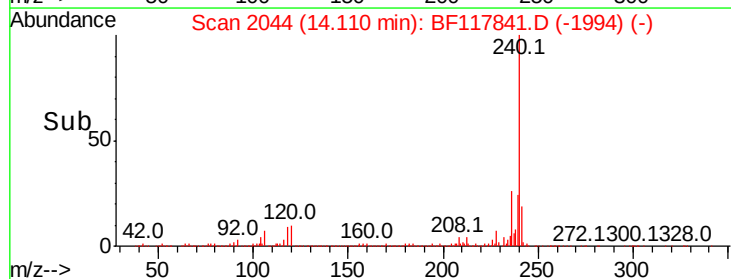
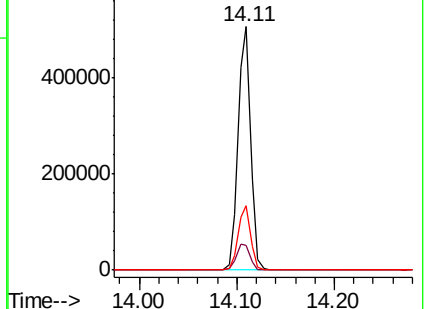
236 26.4 21.3 31.9

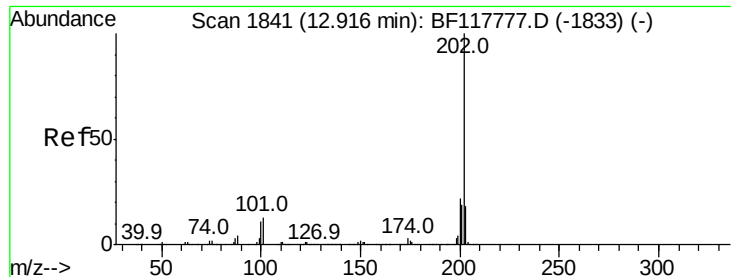


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

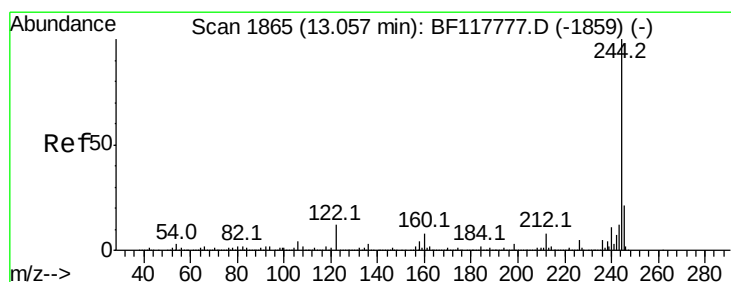
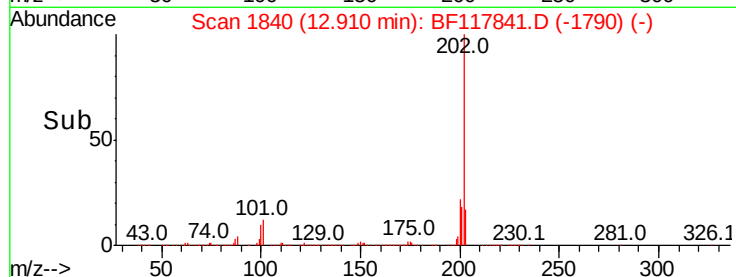
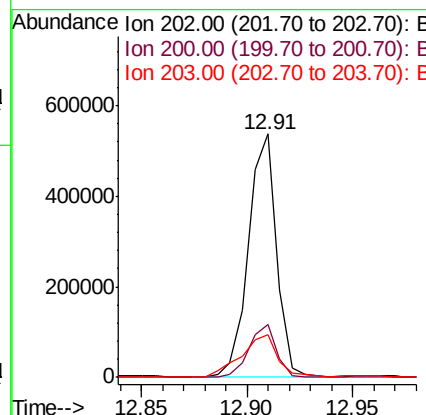
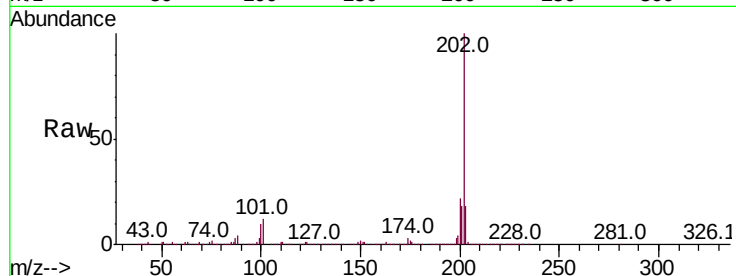




#78
Pvrene
Concen: 13.548 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117841.D
Acq: 18 Nov 2019 17:57

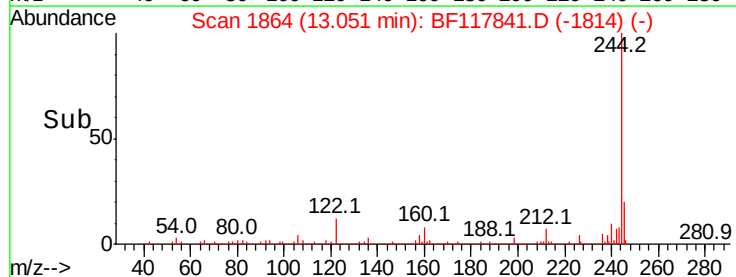
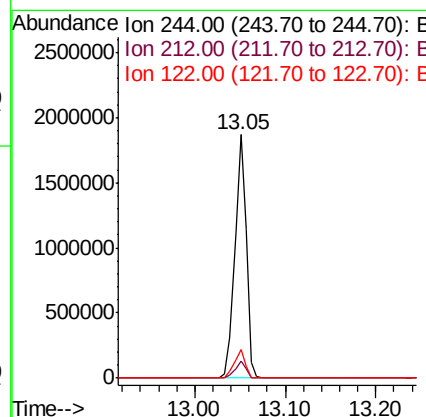
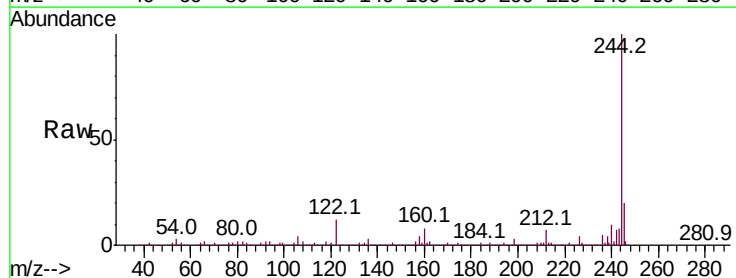
Instrument :
BNA_F
ClientSampleId :

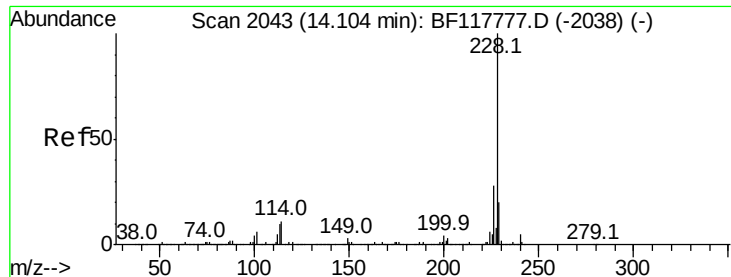
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.8	26.8
203	17.7	14.6	22.0



#79
Terphenyl-d14
Concen: 65.802 ng
RT: 13.05 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BF117841.D
Acq: 18 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.3	9.5
122	11.6	9.4	14.2

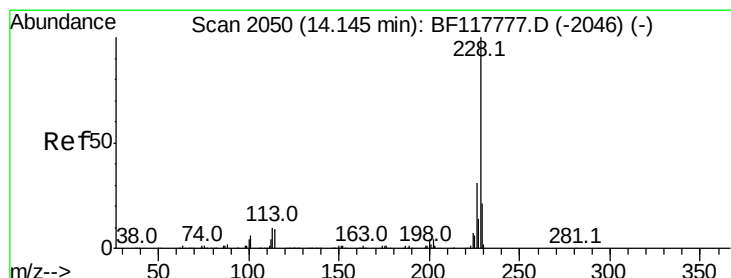
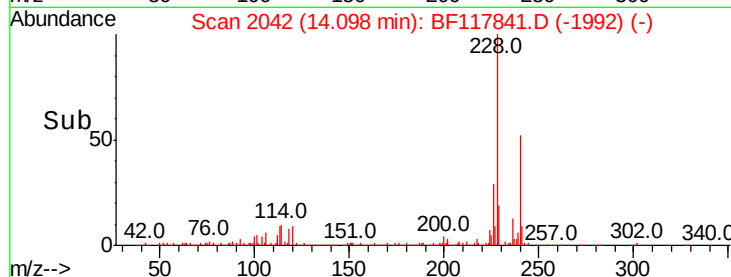
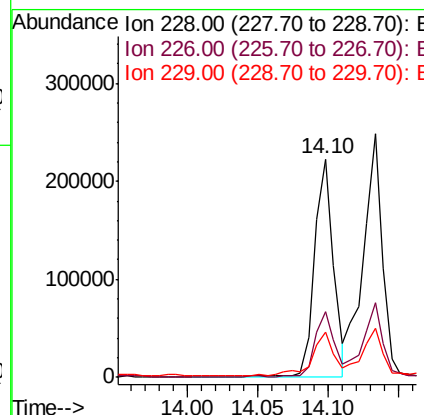
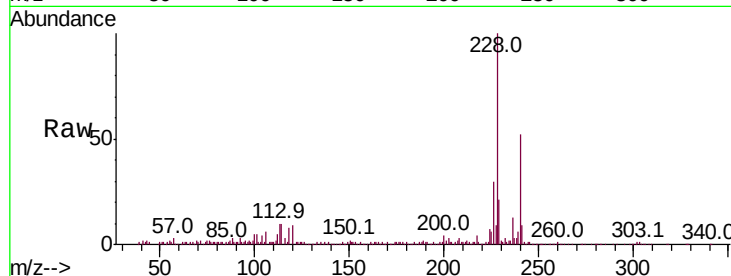




#81
Benzo(a)anthracene
Concen: 6.902 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.01 min
Lab File: BF117841.D
Acq: 18 Nov 2019 17:57

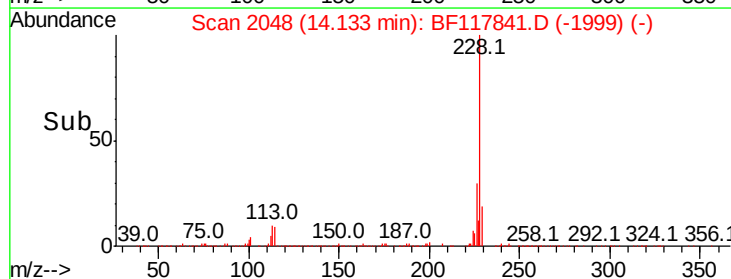
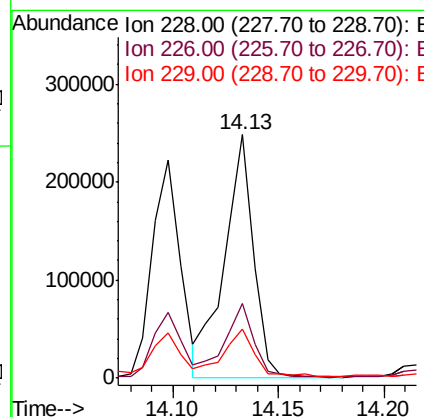
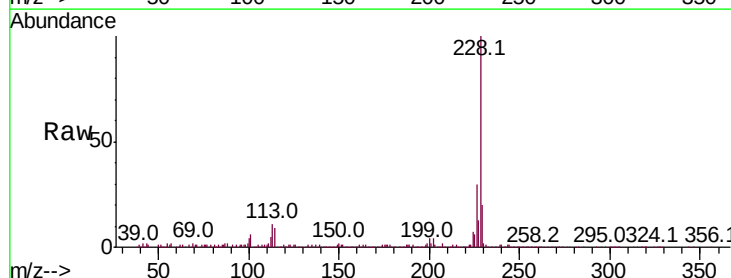
Instrument :
BNA_F
ClientSampleId :

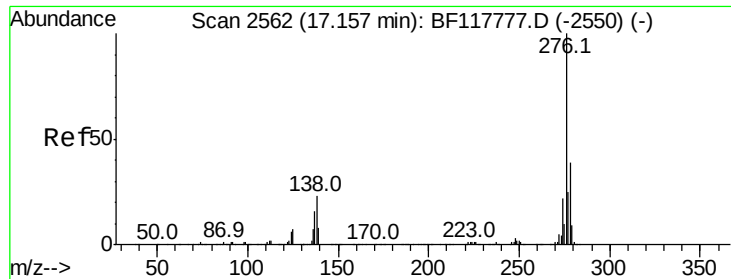
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.2	33.2
229	20.8	15.9	23.9



#83
Chrysene
Concen: 8.103 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117841.D
Acq: 18 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.4
229	20.2	16.6	25.0

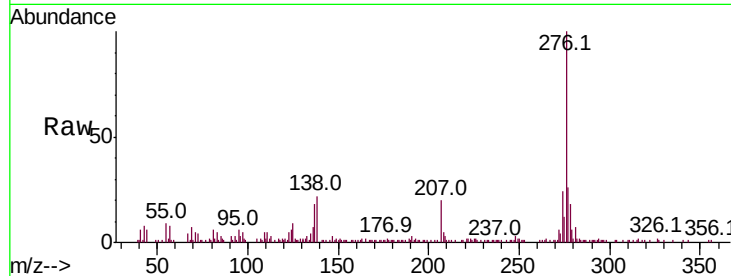




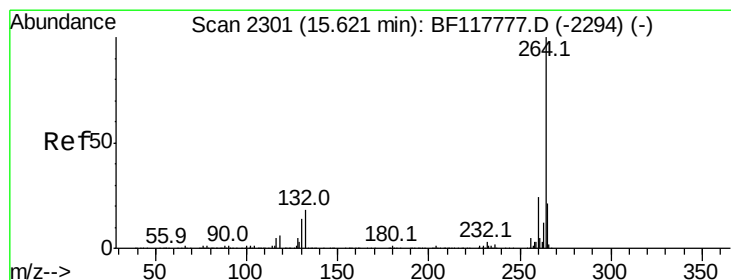
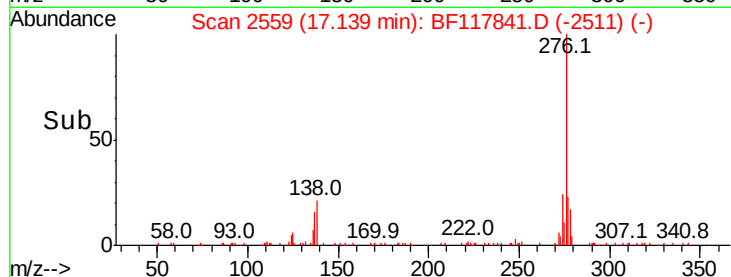
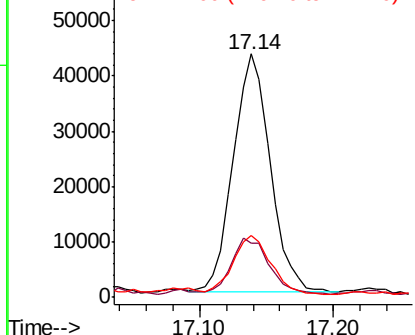
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.325 ng
 RT: 17.14 min Scan# 2559
 Delta R.T. -0.02 min
 Lab File: BF117841.D
 Acq: 18 Nov 2019 17:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 82220
 Ion Ratio Lower Upper
 276 100
 138 23.7 20.9 31.3
 277 25.7 20.3 30.5

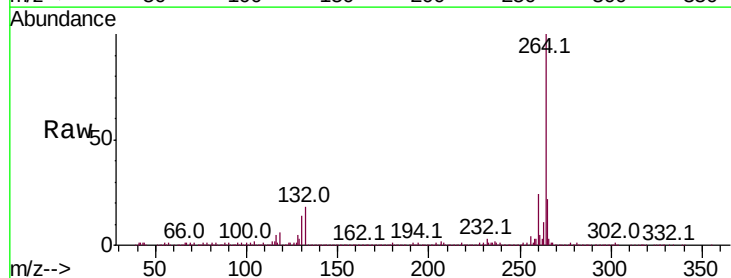


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

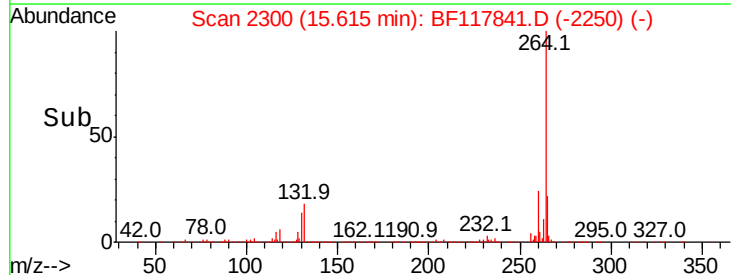
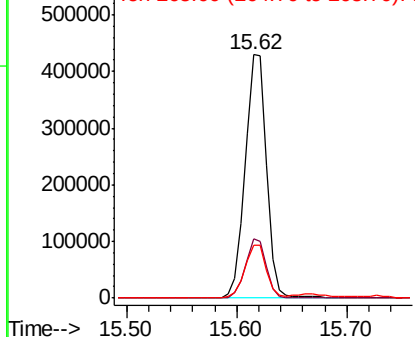


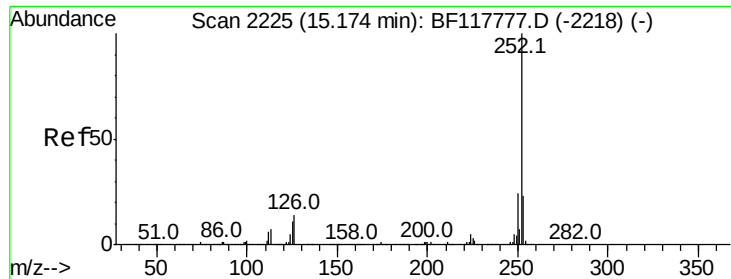
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.62 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BF117841.D
 Acq: 18 Nov 2019 17:57

Tgt Ion:264 Resp: 585788
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.4 29.0
 265 21.8 17.1 25.7



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

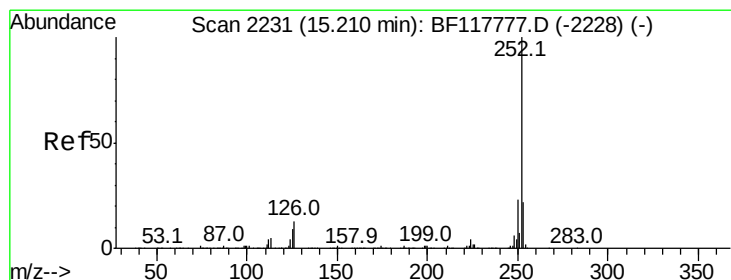
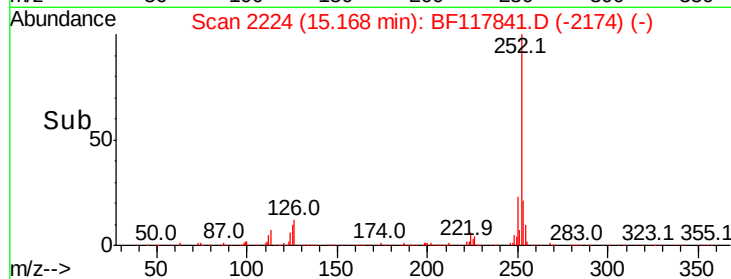
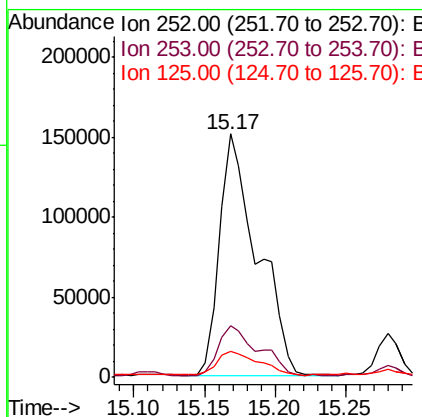
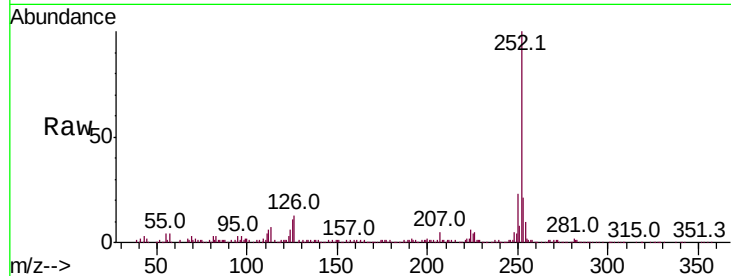




#88
Benzo(b)fluoranthene
Concen: 7.504 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF117841.D
Acq: 18 Nov 2019 17:57

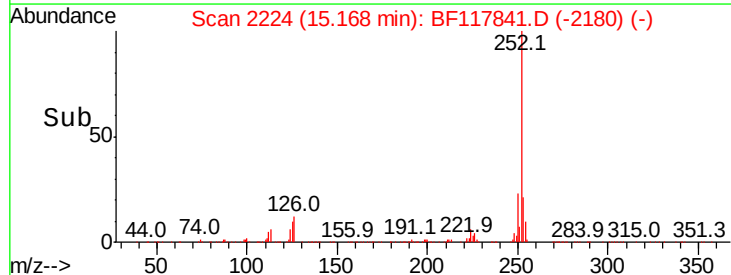
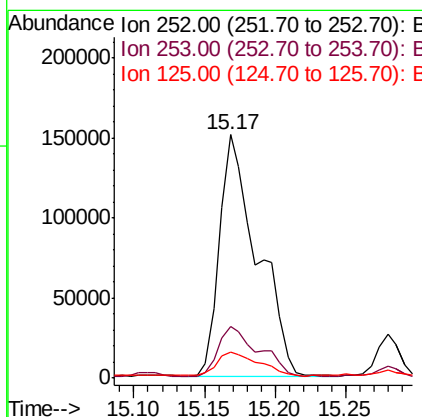
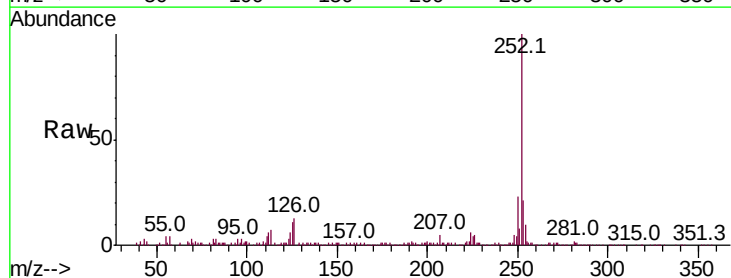
Instrument :
BNA_F
ClientSampleId :

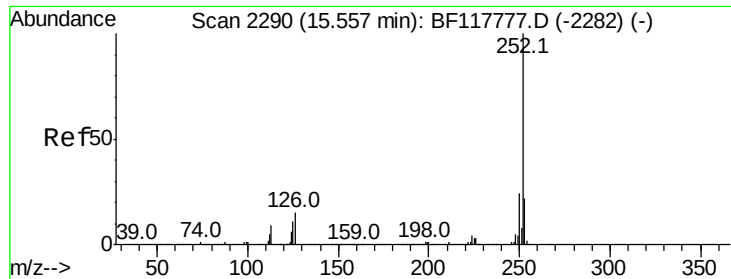
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.0	27.0
125	10.9	8.6	13.0



#89
Benzo(k)fluoranthene
Concen: 7.964 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.04 min
Lab File: BF117841.D
Acq: 18 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	10.9	7.9	11.9

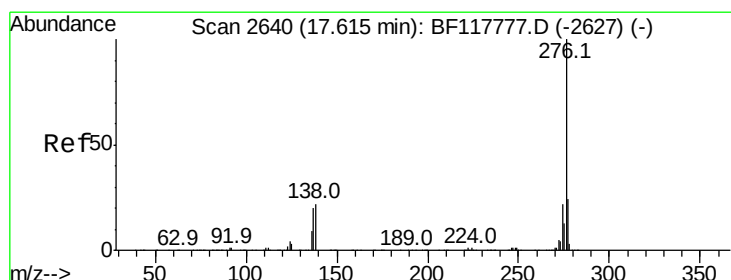
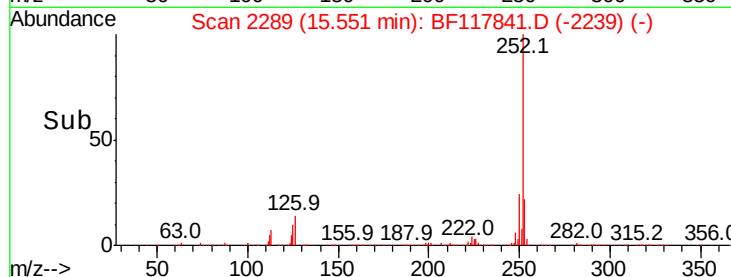
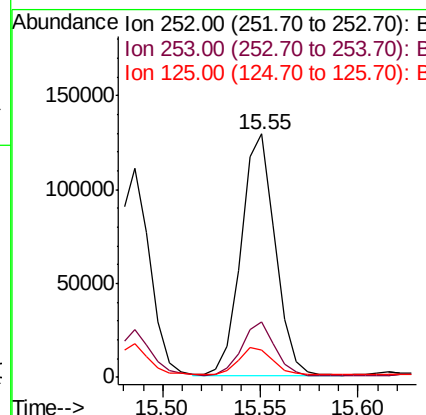
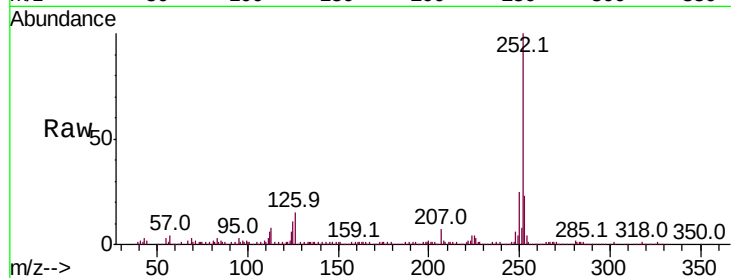




#90
Benzo(a)pyrene
Concen: 4.671 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BF117841.D
Acq: 18 Nov 2019 17:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	11.1	9.2	13.8



#92
Benzo(g,h,i)perylene
Concen: 3.290 ng
RT: 17.60 min Scan# 2638
Delta R.T. -0.01 min
Lab File: BF117841.D
Acq: 18 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	22.2	17.4	26.2

