

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
 Data File : BF117842.D
 Acq On : 18 Nov 2019 18:25
 Operator : JU
 Sample : K5833-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 18 23:56:21 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	234572	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	896948	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	458811	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	774902	20.00	ng	0.00
76) Chrysene-d12	14.11	240	478006	20.00	ng	0.00
87) Perylene-d12	15.62	264	600745	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	1376323	103.86	ng	0.00
7) Phenol-d6	6.54	99	1732313	108.38	ng	0.00
23) Nitrobenzene-d5	7.48	82	1066186	70.66	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	488288	100.52	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	1905553	74.51	ng	0.00
79) Terphenyl-d14	13.05	244	1690272	64.63	ng	0.00

Target Compounds

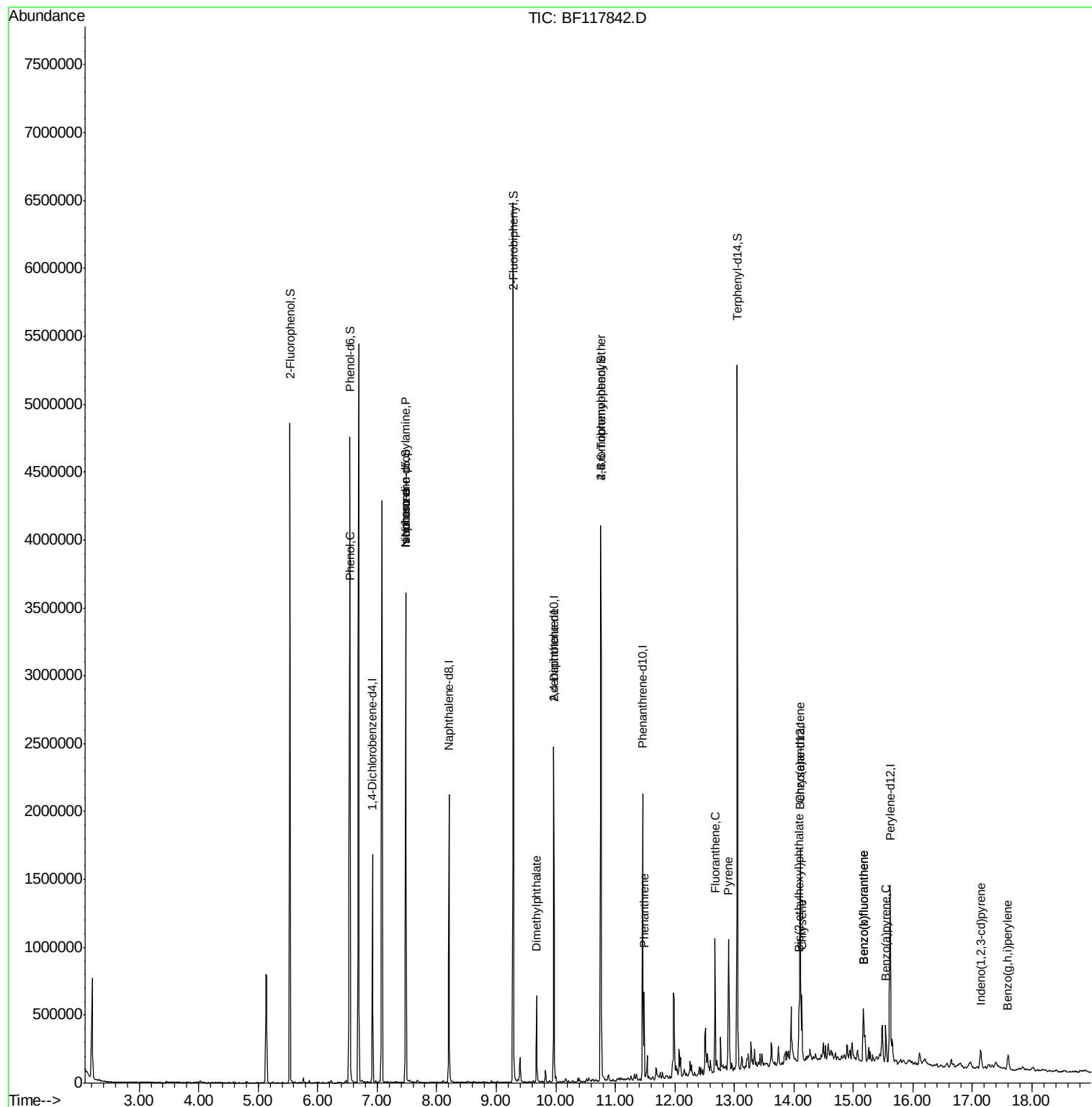
						Qvalue
9) Benzaldehyde	6.54	77	3832	Below Cal	#	1
10) Phenol	6.55	94	83293	5.015 ng		97
19) n-Nitroso-di-n-propylamine	7.48	70	146170	14.823 ng	#	76
25) Isophorone	7.48	82	1066311	38.558 ng	#	62
50) Dimethylphthalate	9.67	163	236882	7.363 ng		98
57) 2,4-Dinitrotoluene	9.97	165	60199	6.730 ng	#	24
67) 4-Bromophenyl-phenylether	10.76	248	30743	3.677 ng	#	1
71) Phenanthrene	11.48	178	234929	6.030 ng		97
75) Fluoranthene	12.67	202	366769	3.378 ng		99
78) Pyrene	12.90	202	404853	10.480 ng		97
81) Benzo(a)anthracene	14.10	228	160738	5.089 ng		94
83) Chrysene	14.13	228	189025	6.176 ng		98
84) Bis(2-ethylhexyl)phthalate	14.09	149	65652	3.264 ng		99
86) Indeno(1,2,3-cd)pyrene	17.14	276	91222	3.502 ng		96
88) Benzo(b)fluoranthene	15.17	252	305585	7.829 ng		98
89) Benzo(k)fluoranthene	15.17	252	305585	8.309 ng	#	98
90) Benzo(a)pyrene	15.54	252	140106	4.082 ng		99
92) Benzo(a,h,i)perylene	17.60	276	90290	3.069 ng		98

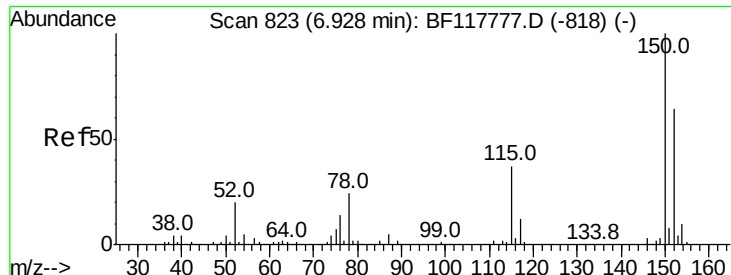
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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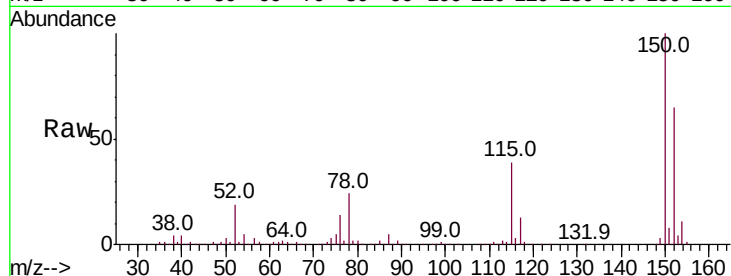


#1

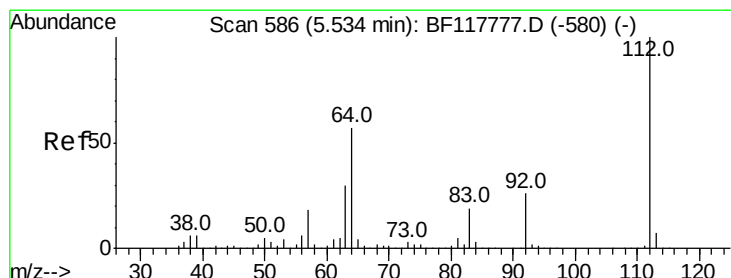
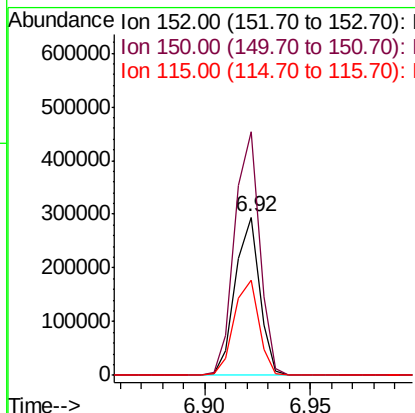
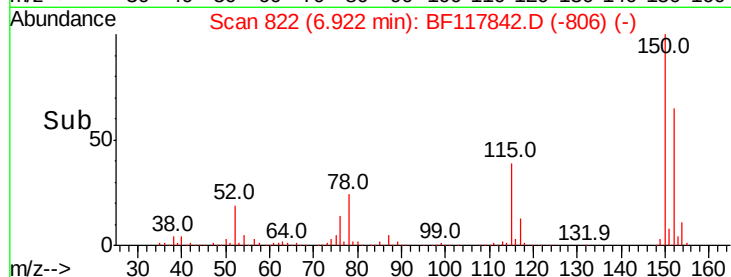
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF117842.D
Acq: 18 Nov 2019 18:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 234572
Ion Ratio Lower Upper
152 100
150 153.8 125.3 187.9
115 59.8 47.0 70.4



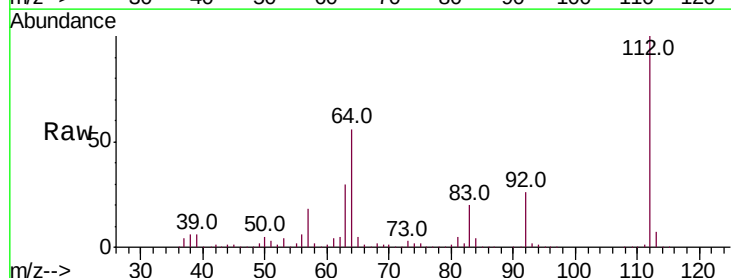
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



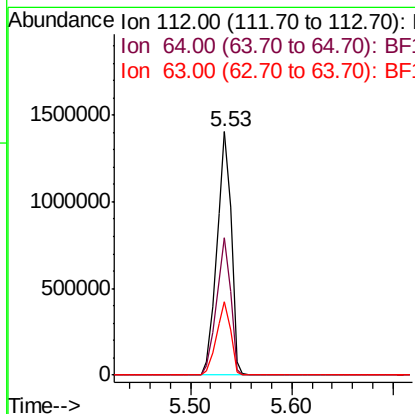
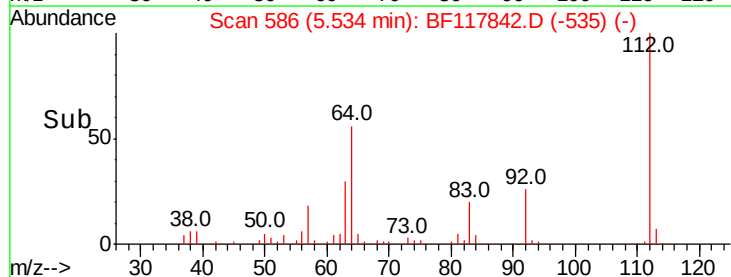
#5

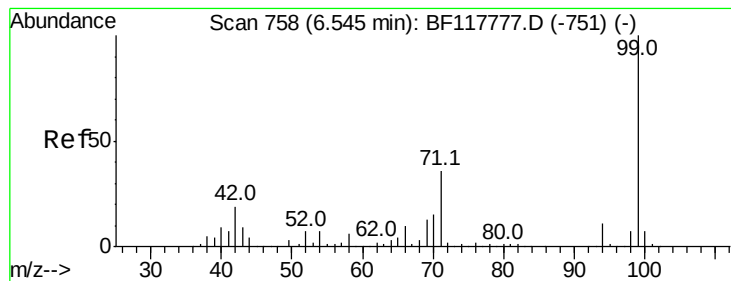
2-Fluorophenol
Concen: 103.859 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.00 min
Lab File: BF117842.D
Acq: 18 Nov 2019 18:25

Tgt Ion:112 Resp: 1376323
Ion Ratio Lower Upper
112 100
64 56.4 45.6 68.4
63 30.3 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: 108.379 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117842.D

Acq: 18 Nov 2019 18:25

Instrument :

BNA_F

ClientSampled :

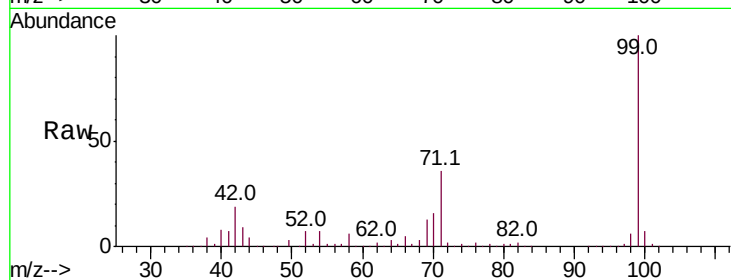
Tot Ion: 99 Resp: 1732313

Ion	Ratio	Lower	Upper
99	100		
42	19.1	14.9	22.3
71	36.4	28.6	43.0

99 100

42 19.1 14.9 22.3

71 36.4 28.6 43.0

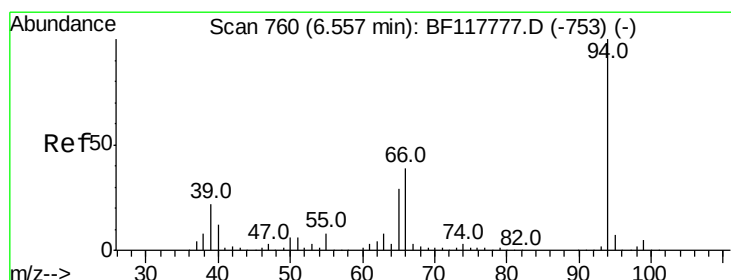
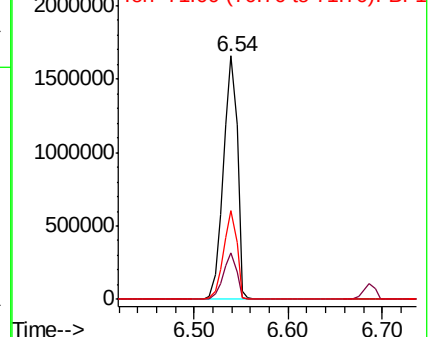
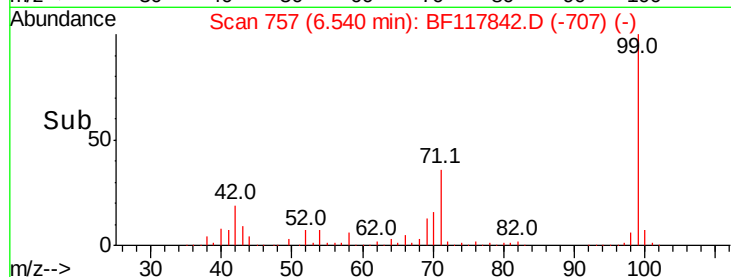


Abundance

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: 5.015 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117842.D

Acq: 18 Nov 2019 18:25

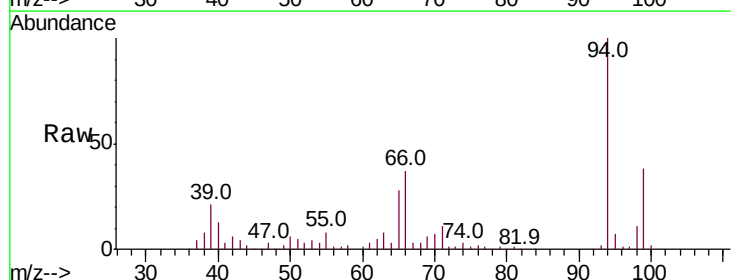
Tgt Ion: 94 Resp: 83293

Ion	Ratio	Lower	Upper
94	100		
65	28.0	8.9	48.9
66	36.7	18.7	58.7

94 100

65 28.0 8.9 48.9

66 36.7 18.7 58.7

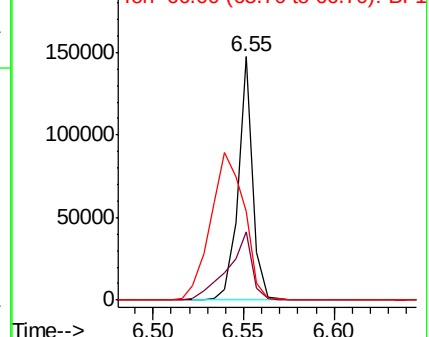
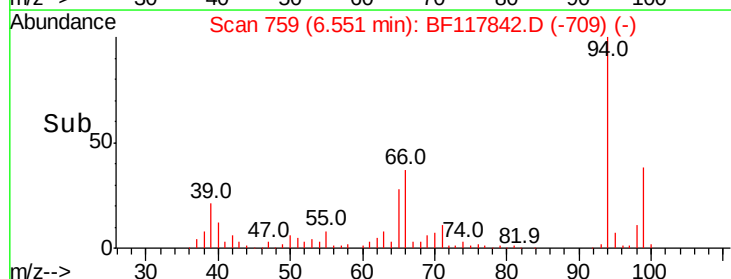


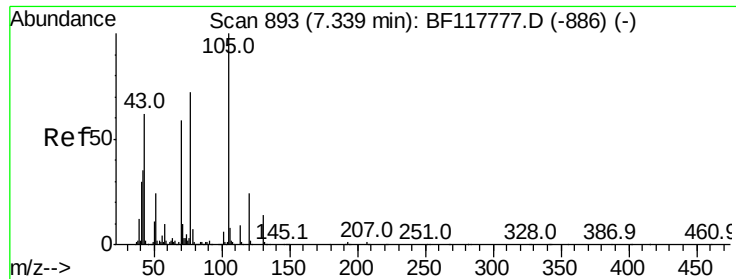
Abundance

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: 14.823 ng

RT: 7.48 min Scan# 917

Delta R.T. 0.14 min

Lab File: BF117842.D

Acq: 18 Nov 2019 18:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 146170

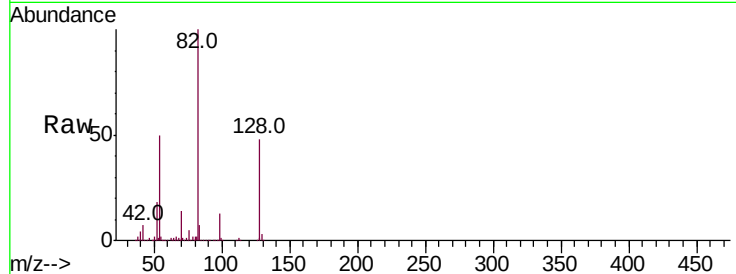
Ion Ratio Lower Upper

70 100

42 47.2 47.4 71.2#

101 0.0 8.4 12.6#

130 2.3 18.8 28.2#

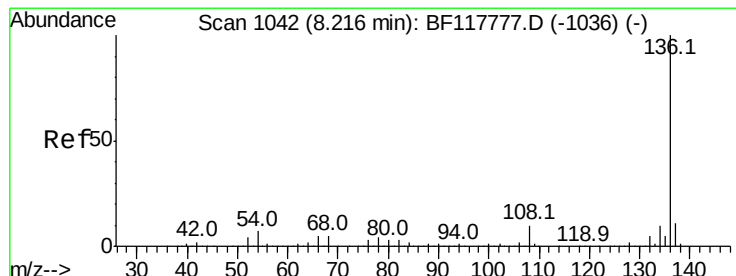
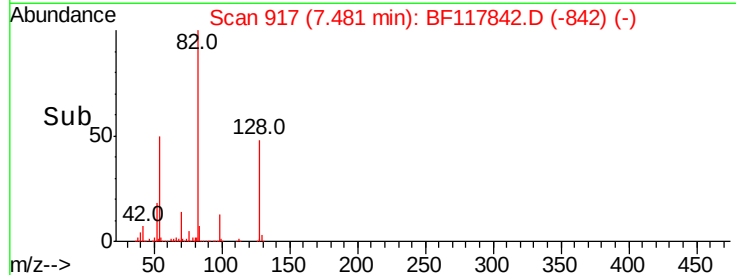
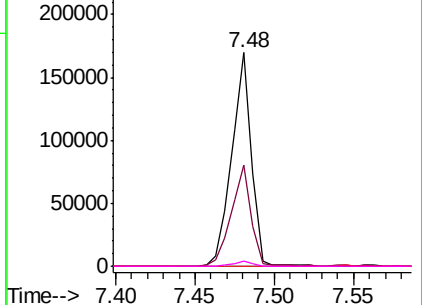


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF117842.D

Acq: 18 Nov 2019 18:25

Tgt Ion: 136 Resp: 896948

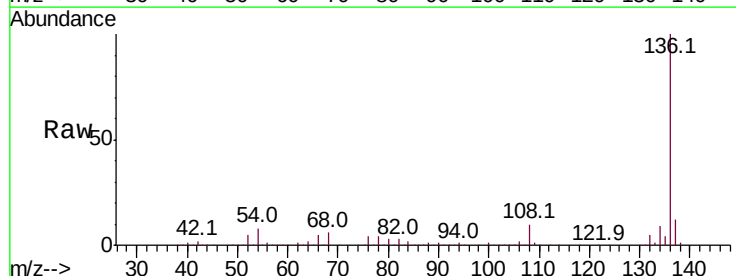
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.4

54 7.6 5.4 8.2

68 5.9 4.3 6.5

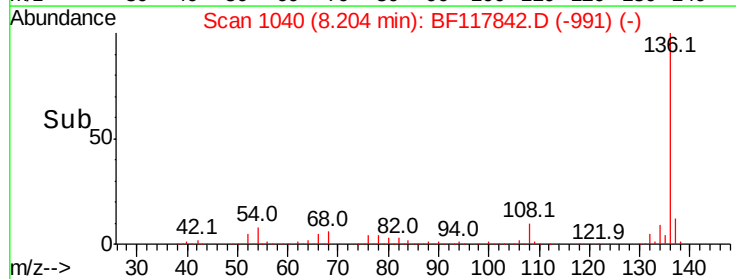
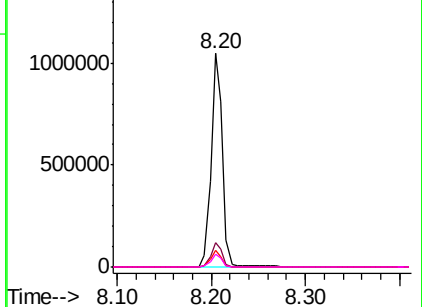


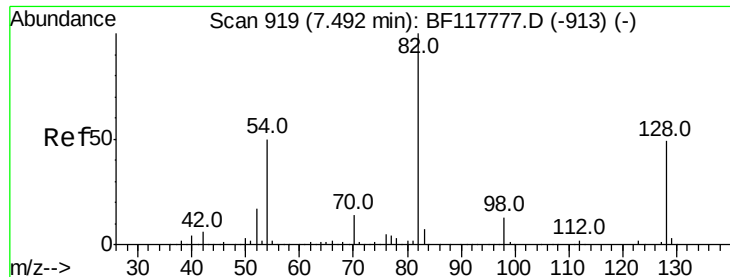
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



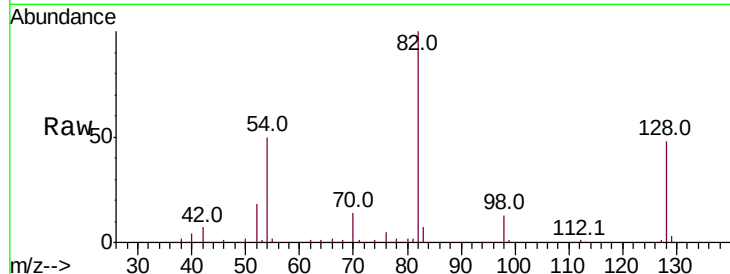


#23
 Nitrobenzene-d5
 Concen: 70.662 ng
 RT: 7.48 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: BF117842.D
 Acq: 18 Nov 2019 18:25

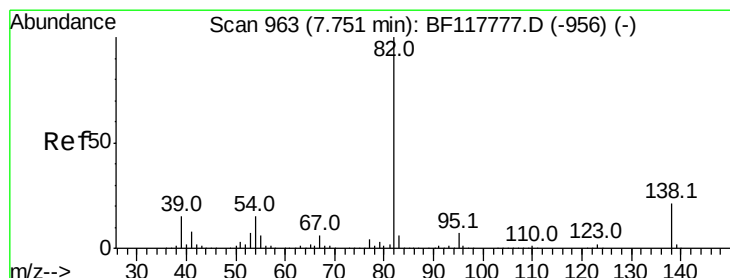
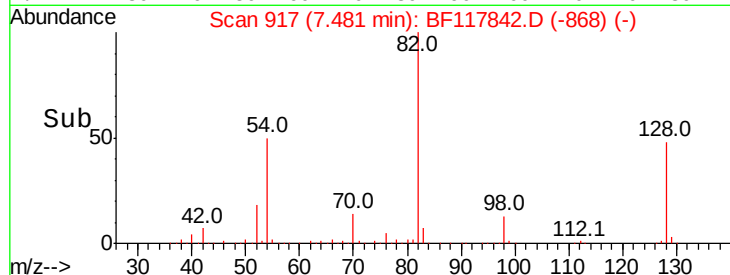
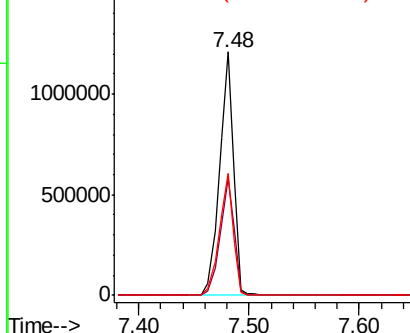
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 1066186

Ion	Ratio	Lower	Upper
82	100		
128	47.8	38.9	58.3
54	50.3	39.8	59.6



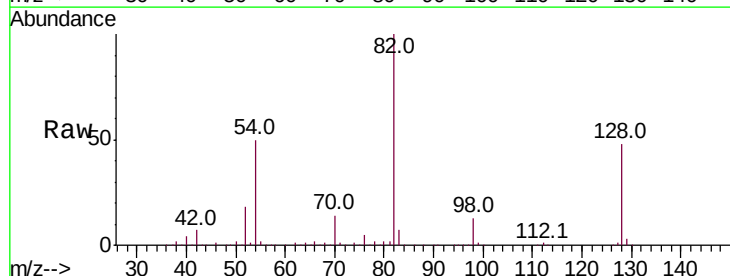
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1



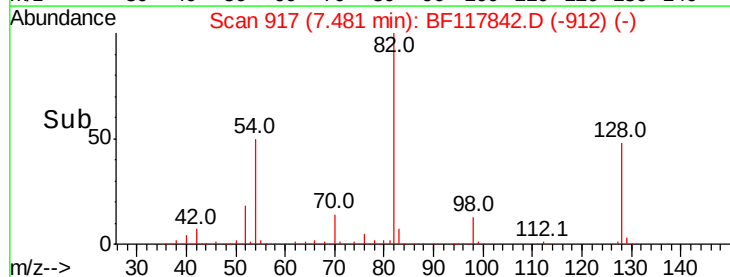
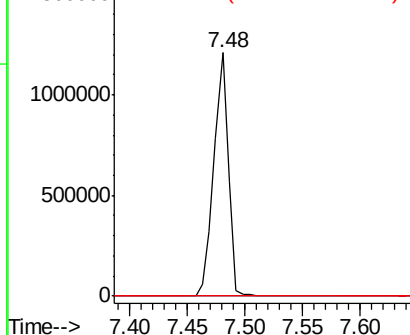
#25
 Isophorone
 Concen: 38.558 ng
 RT: 7.48 min Scan# 917
 Delta R.T. -0.27 min
 Lab File: BF117842.D
 Acq: 18 Nov 2019 18:25

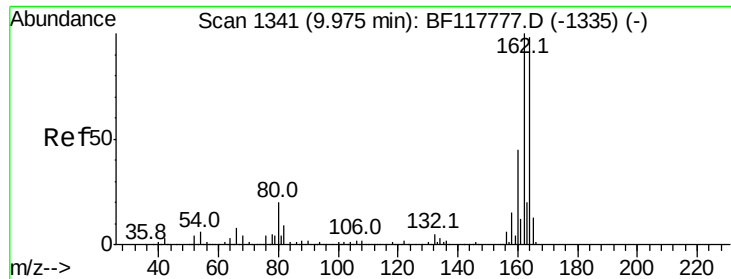
Tgt Ion: 82 Resp: 1066311

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

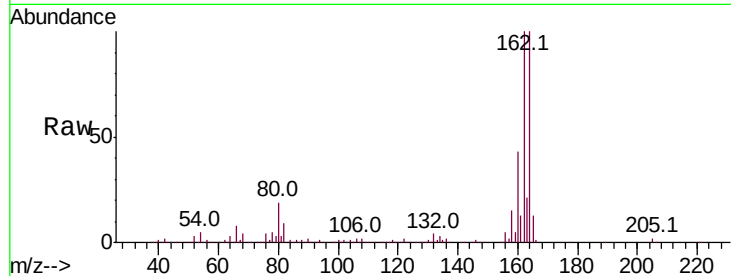




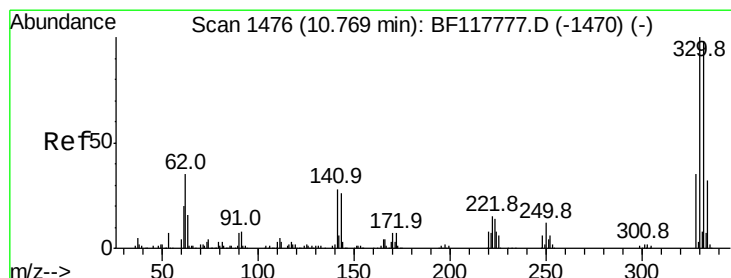
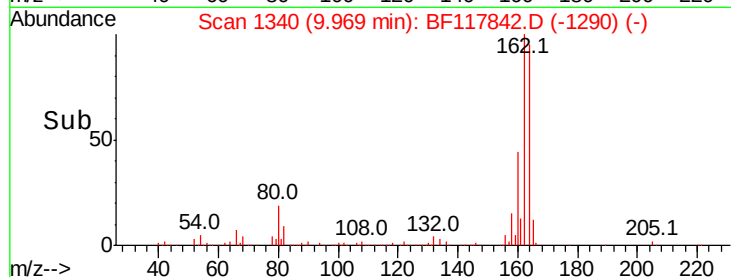
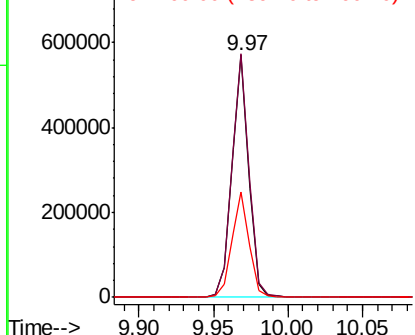
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117842.D
Acq: 18 Nov 2019 18:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 458811
Ion Ratio Lower Upper
164 100
162 100.5 81.3 121.9
160 43.6 36.6 55.0

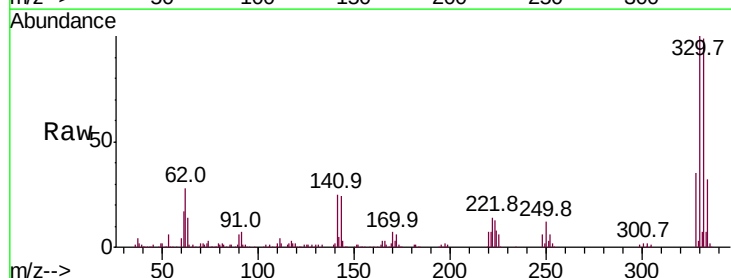


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

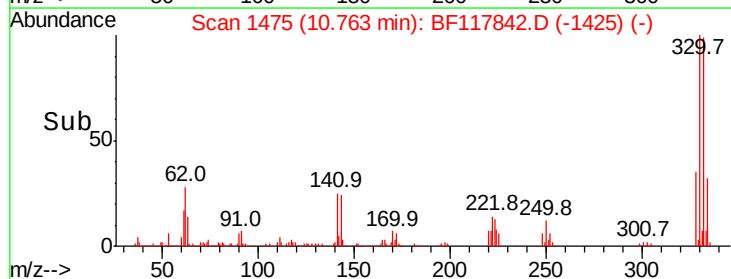
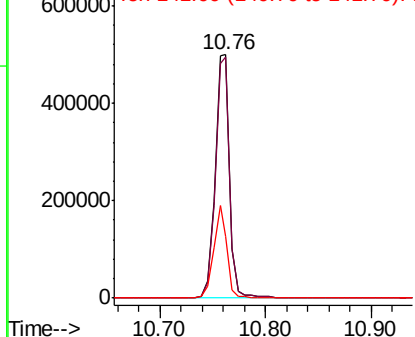


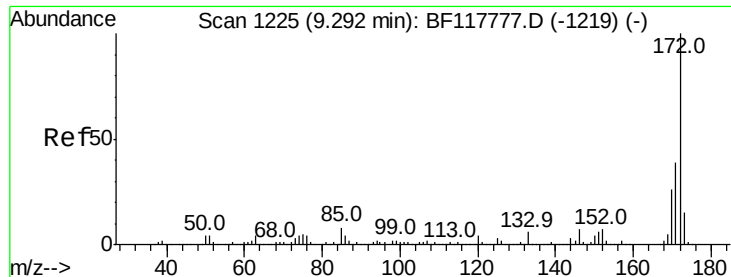
#42
2,4,6-Tribromophenol
Concen: 100.525 ng
RT: 10.76 min Scan# 1475
Delta R.T. -0.01 min
Lab File: BF117842.D
Acq: 18 Nov 2019 18:25

Tgt Ion:330 Resp: 488288
Ion Ratio Lower Upper
330 100
332 97.6 76.7 115.1
141 34.5 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



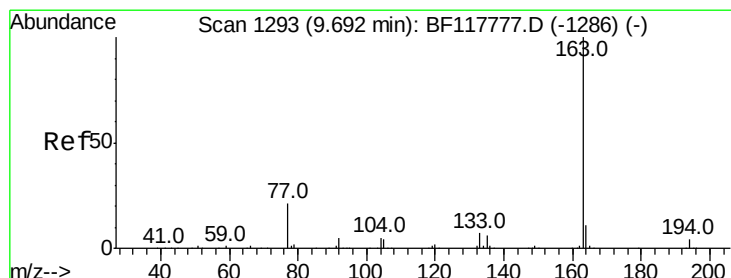
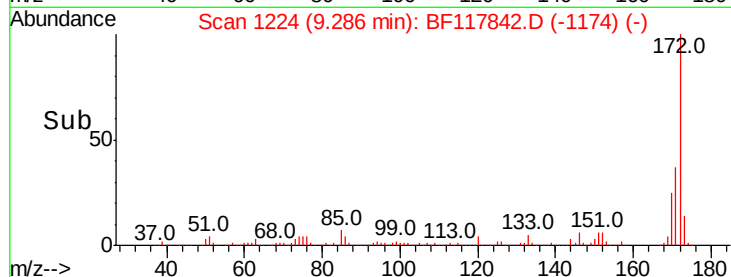
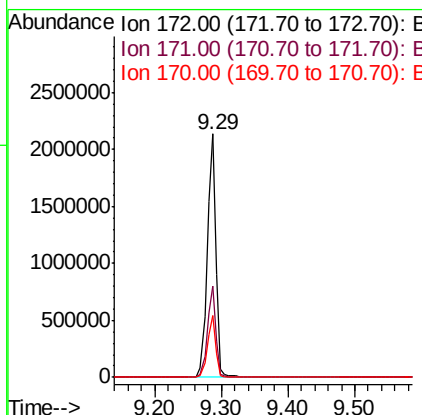
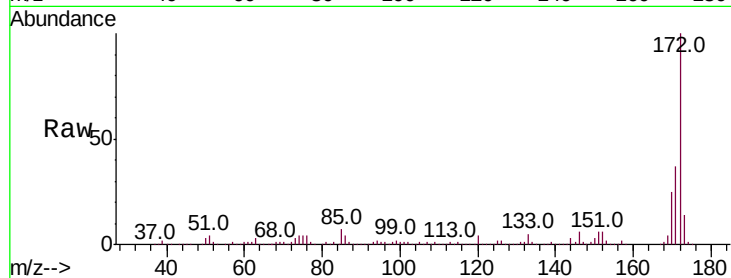


#45
 2-Fluorobiphenyl
 Concen: 74.511 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF117842.D
 Acq: 18 Nov 2019 18:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1905553

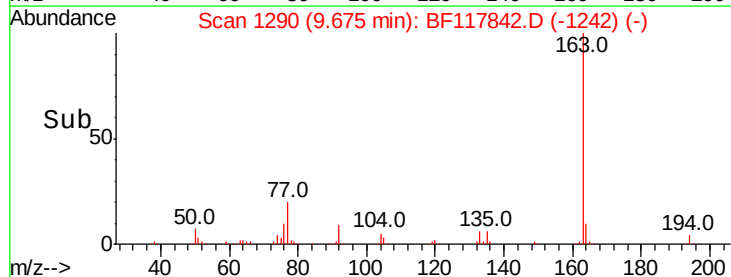
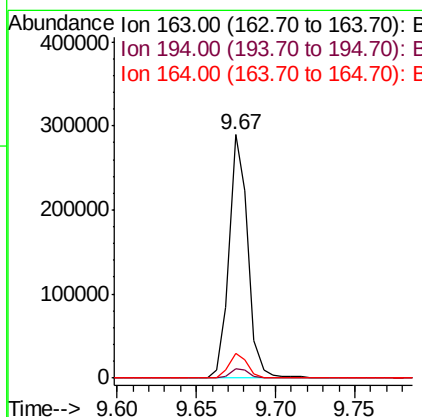
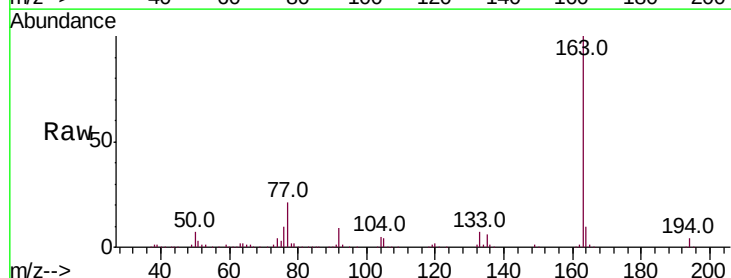
Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.9	46.3
170	25.5	21.0	31.4

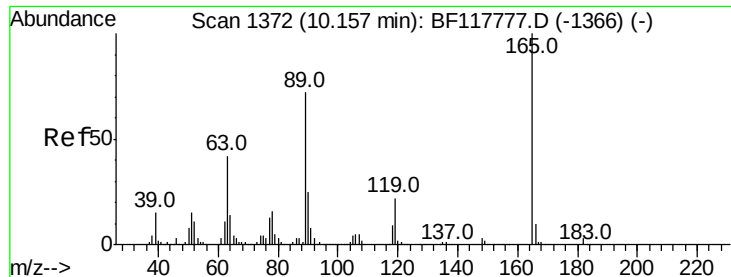


#50
 Dimethylphthalate
 Concen: 7.363 ng
 RT: 9.67 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: BF117842.D
 Acq: 18 Nov 2019 18:25

Tgt Ion:163 Resp: 236882

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.3	4.9
164	10.2	8.7	13.1

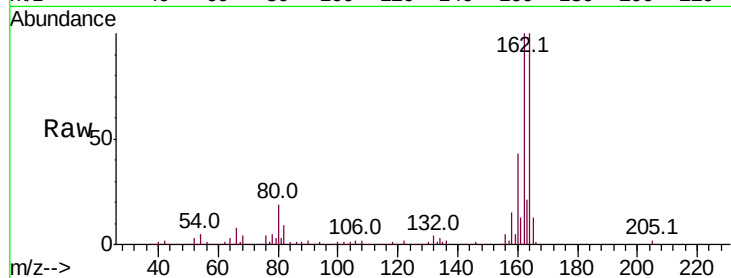




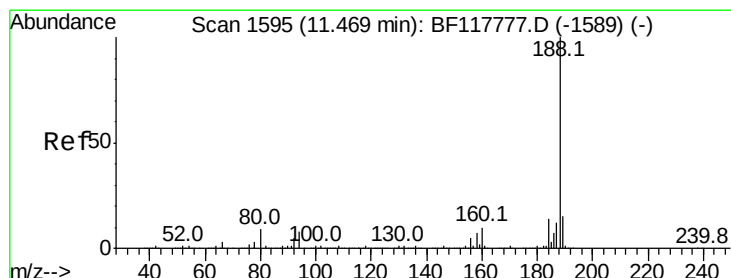
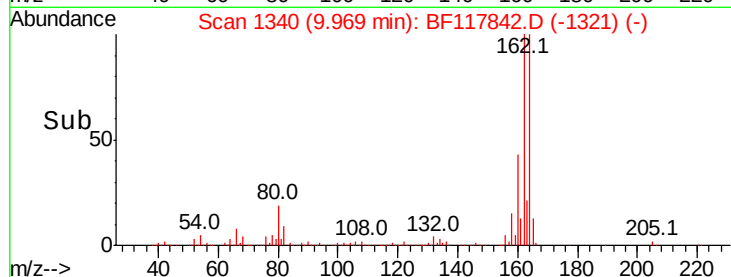
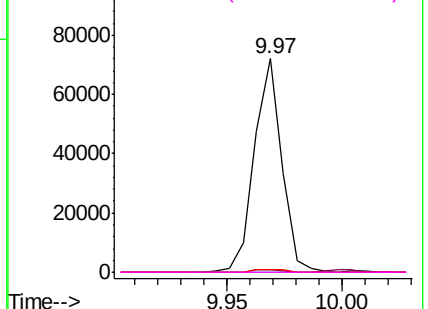
#57
 2,4-Dinitrotoluene
 Concen: 6.730 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.19 min
 Lab File: BF117842.D
 Acq: 18 Nov 2019 18:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 60199
 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#

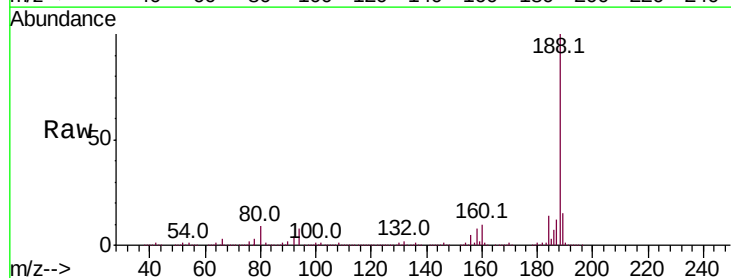


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

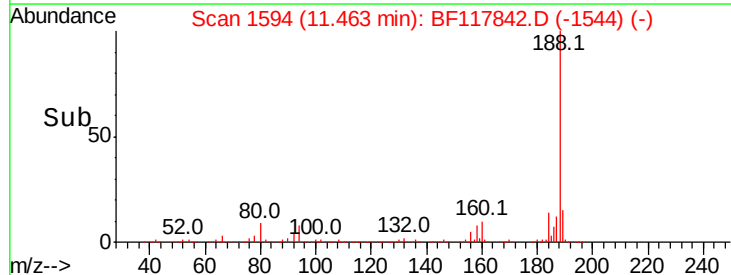
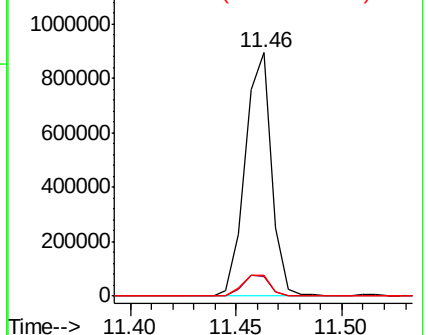


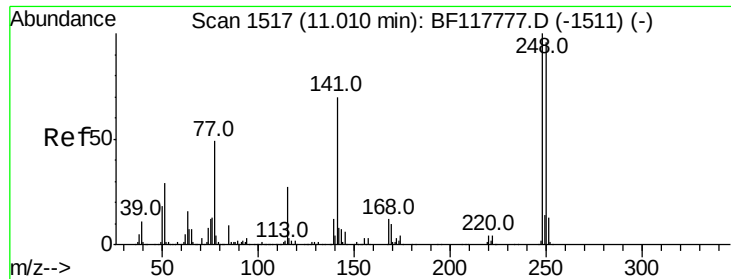
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF117842.D
 Acq: 18 Nov 2019 18:25

Tgt Ion:188 Resp: 774902
 Ion Ratio Lower Upper
 188 100
 94 8.3 6.6 10.0
 80 8.7 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

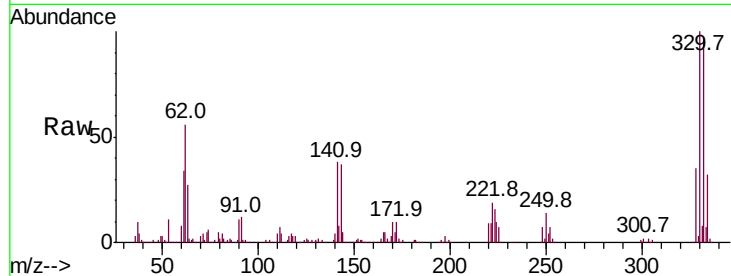




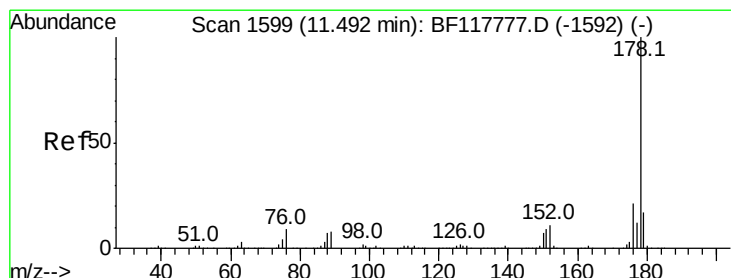
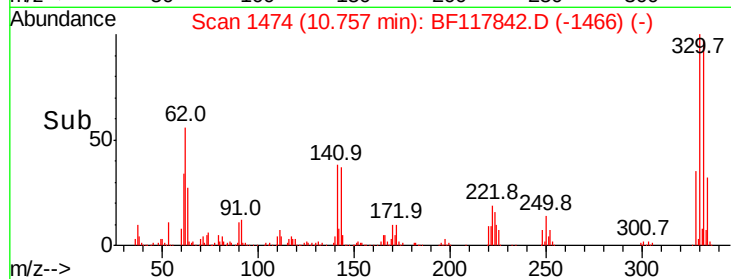
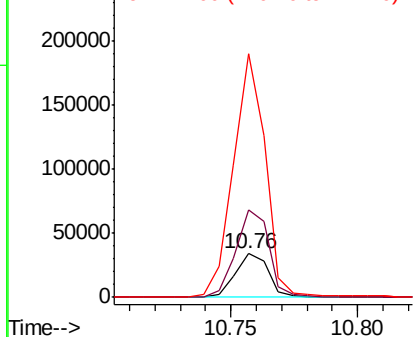
#67
 4-Bromophenyl-phenylether
 Concen: 3.677 ng
 RT: 10.76 min Scan# 1474
 Delta R.T. -0.25 min
 Lab File: BF117842.D
 Acq: 18 Nov 2019 18:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 30743
 Ion Ratio Lower Upper
 248 100
 250 201.3 76.6 115.0#
 141 560.1 55.9 83.9#

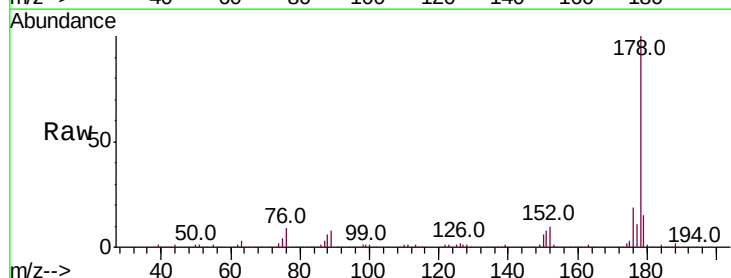


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

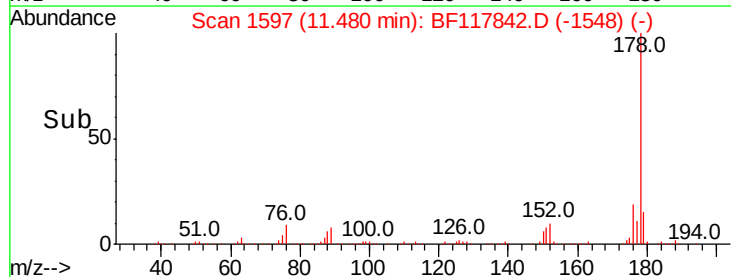
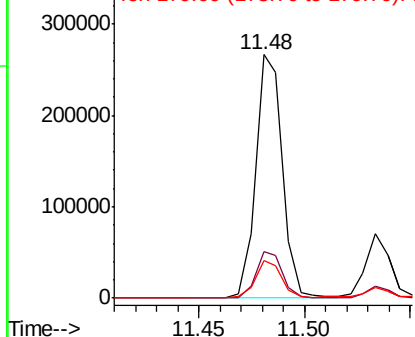


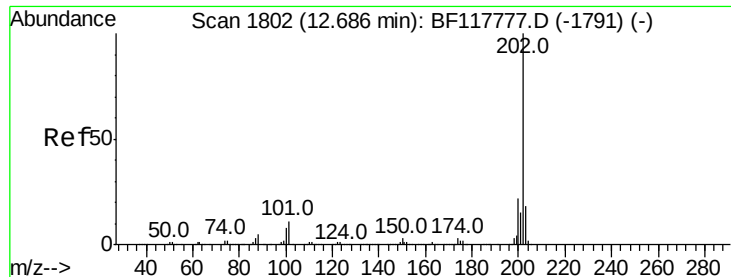
#71
 Phenanthrene
 Concen: 6.030 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF117842.D
 Acq: 18 Nov 2019 18:25

Tgt Ion:178 Resp: 234929
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.6 25.0
 179 15.3 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: 3.378 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF117842.D

Acq: 18 Nov 2019 18:25

Instrument :

BNA_F

ClientSampled :

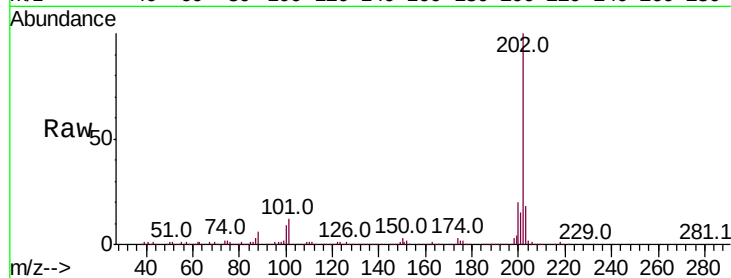
Tot Ion:202 Resp: 366769

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.1

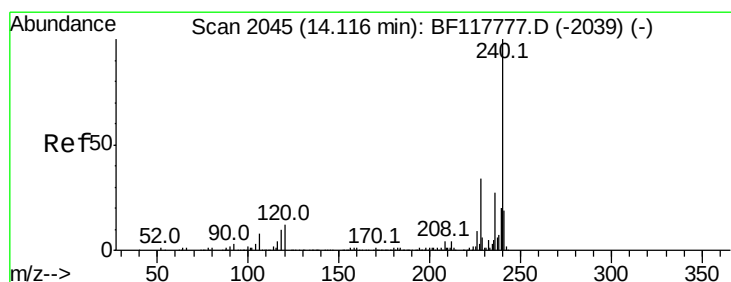
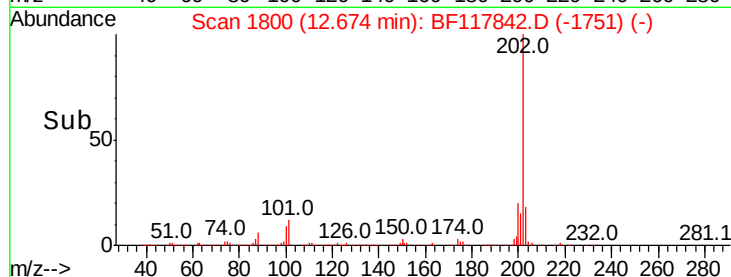
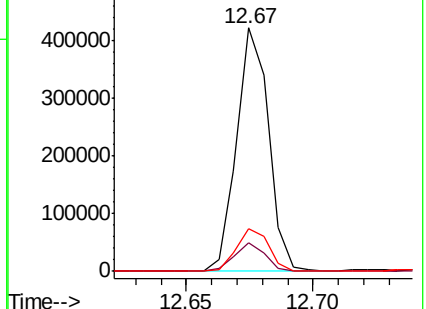
203 17.8 0.0 38.2



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: BF117842.D

Acq: 18 Nov 2019 18:25

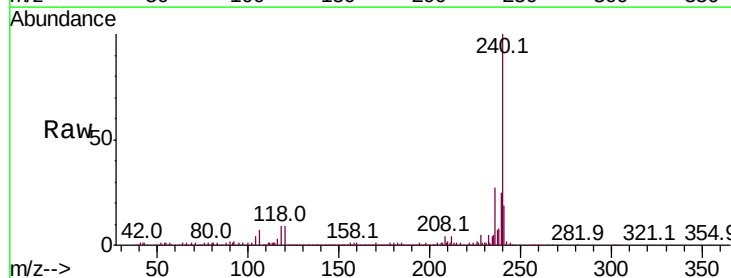
Tgt Ion:240 Resp: 478006

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

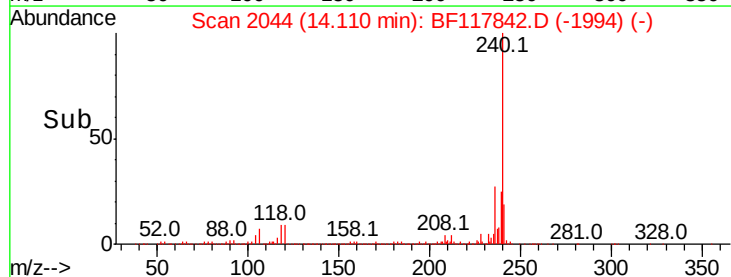
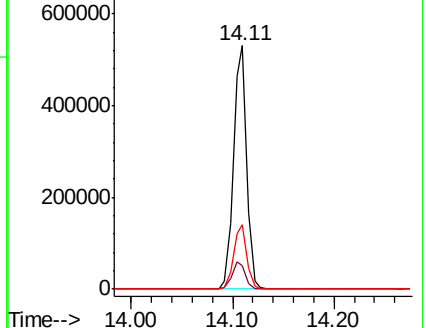
236 26.6 21.3 31.9

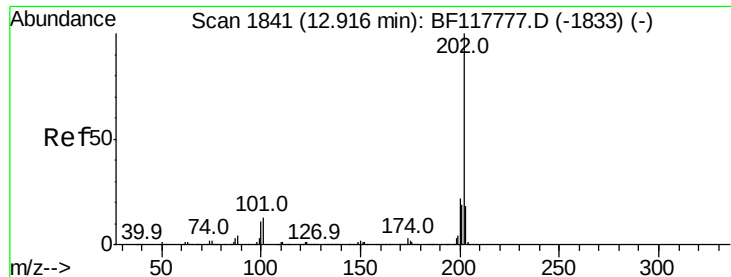


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

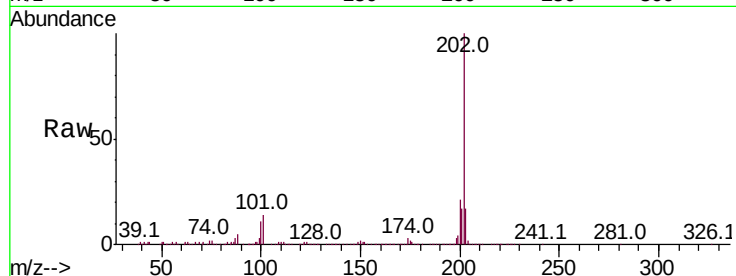




#78
Pvrene
Concen: 10.480 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117842.D
Acq: 18 Nov 2019 18:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.8	26.8
203	17.5	14.6	22.0

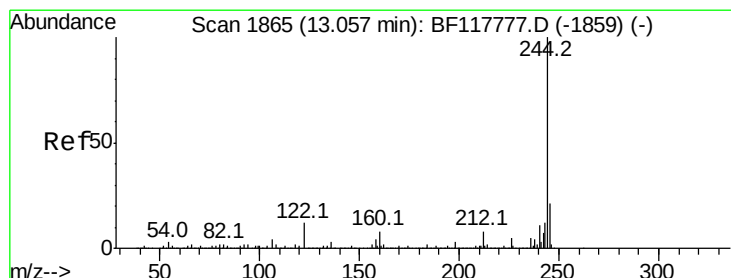
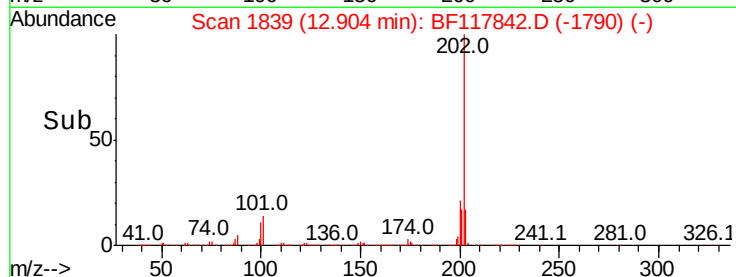
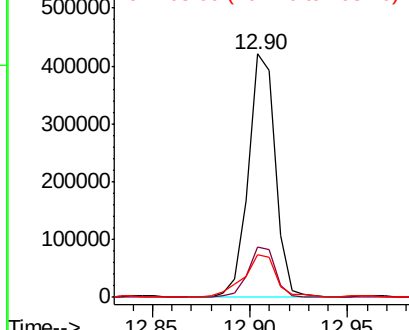


Abundance

Ion 202.00 (201.70 to 202.70): E

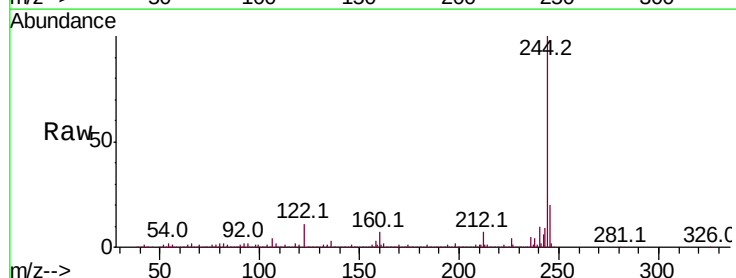
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 64.626 ng
RT: 13.05 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BF117842.D
Acq: 18 Nov 2019 18:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.3	9.5
122	10.7	9.4	14.2

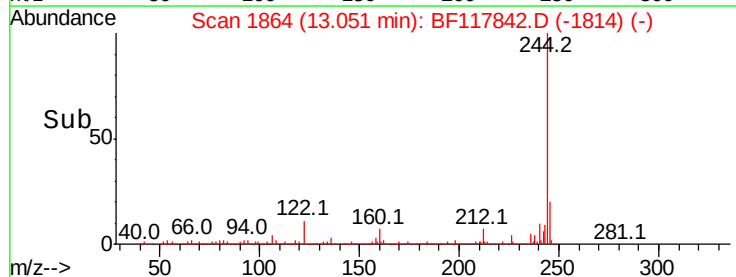
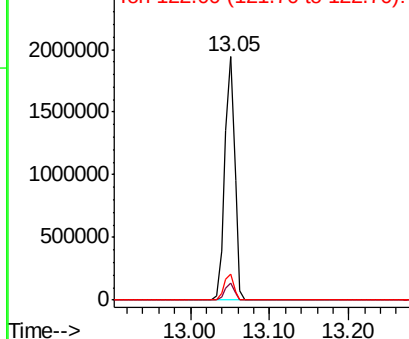


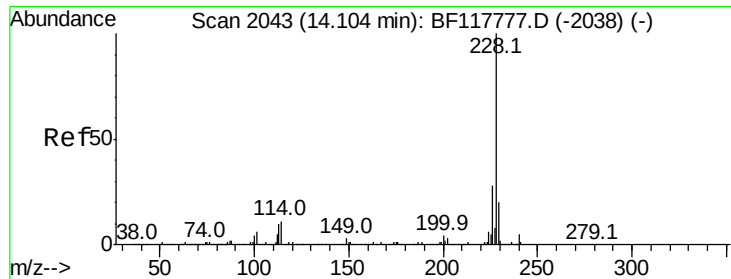
Abundance

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

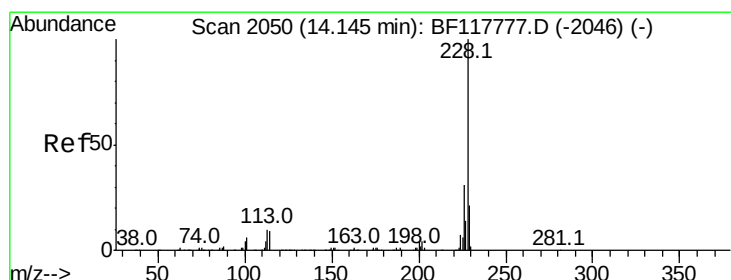
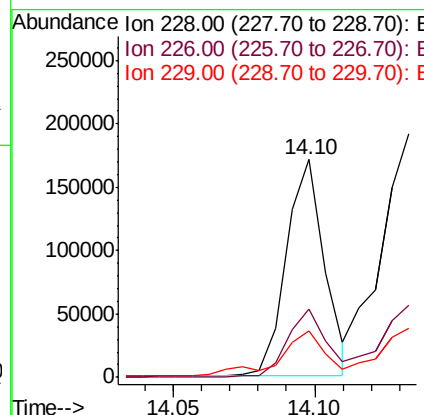
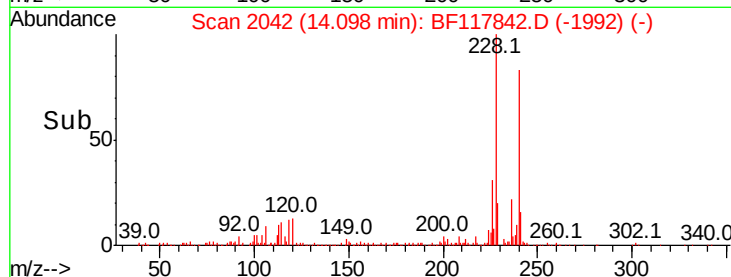
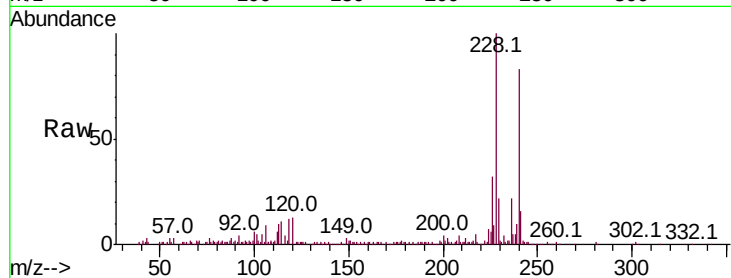




#81
Benzo(a)anthracene
Concen: 5.089 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.01 min
Lab File: BF117842.D
Acq: 18 Nov 2019 18:25

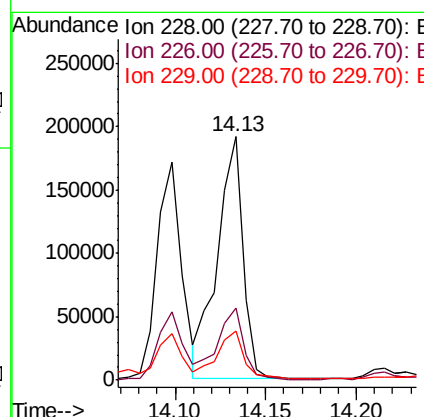
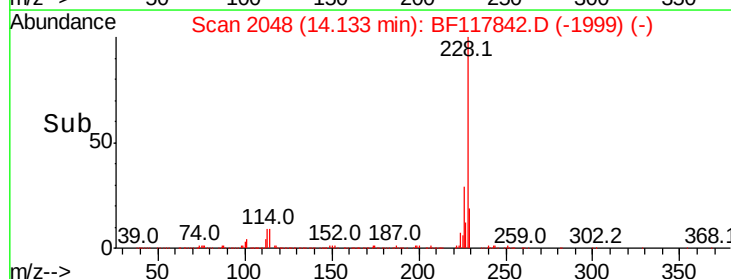
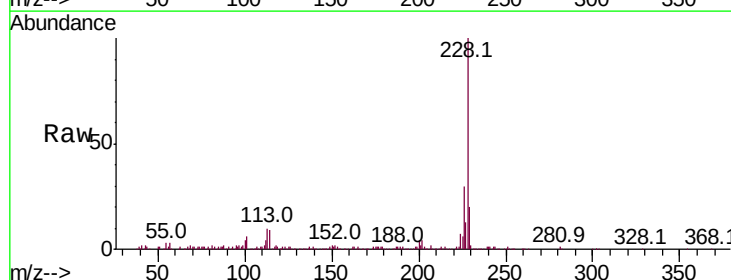
Instrument :
BNA_F
ClientSampleId :

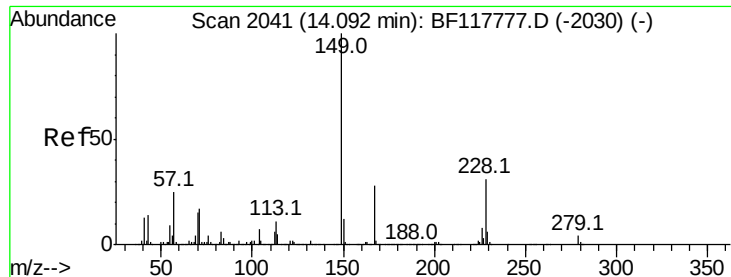
Tot Ion:228 Resp: 160738
Ion Ratio Lower Upper
228 100
226 31.5 22.2 33.2
229 21.5 15.9 23.9



#83
Chrysene
Concen: 6.176 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117842.D
Acq: 18 Nov 2019 18:25

Tgt Ion:228 Resp: 189025
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.4
229 20.1 16.6 25.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.264 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.01 min

Lab File: BF117842.D

Acq: 18 Nov 2019 18:25

Instrument :

BNA_F

ClientSampled :

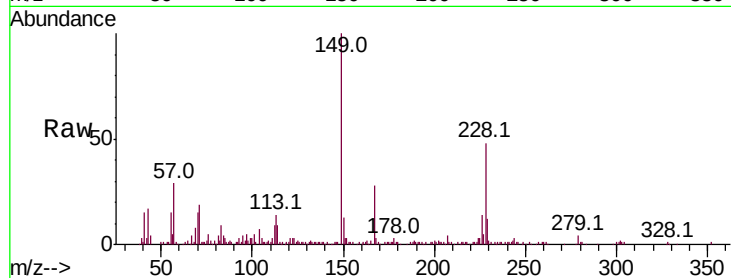
Tot Ion:149 Resp: 65652

Ion Ratio Lower Upper

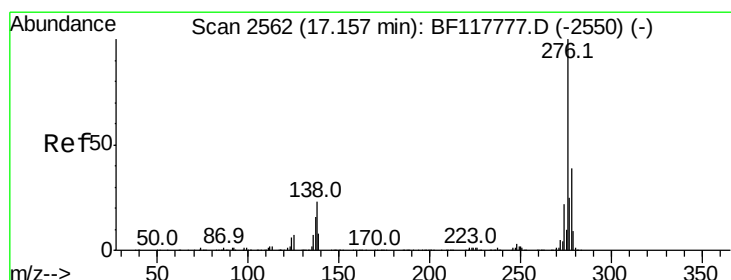
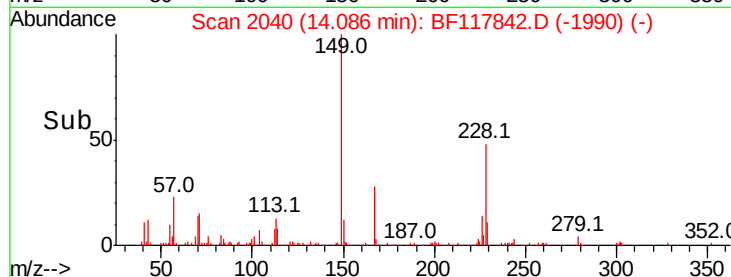
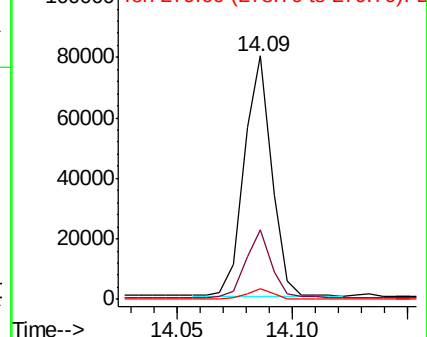
149 100

167 28.5 22.2 33.2

279 4.3 3.4 5.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.502 ng

RT: 17.14 min Scan# 2559

Delta R.T. -0.02 min

Lab File: BF117842.D

Acq: 18 Nov 2019 18:25

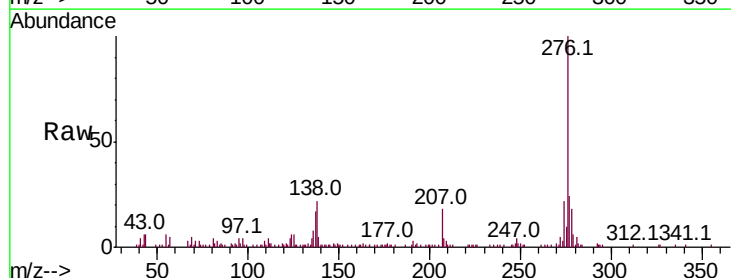
Tgt Ion:276 Resp: 91222

Ion Ratio Lower Upper

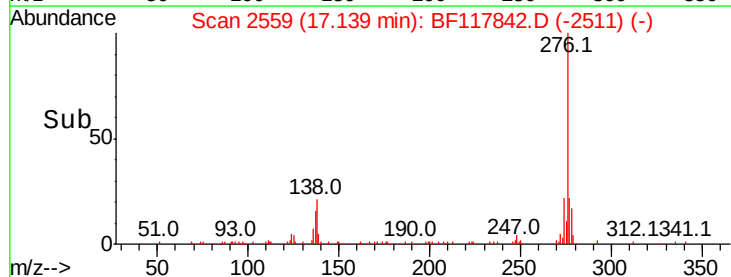
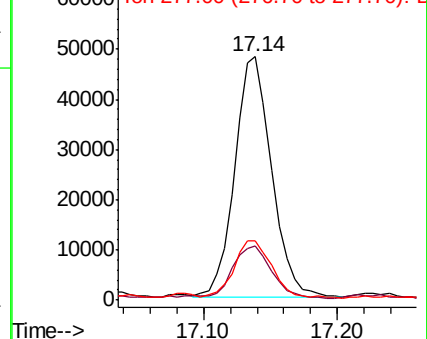
276 100

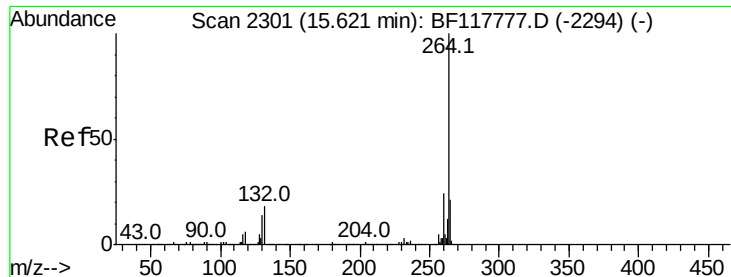
138 23.4 20.9 31.3

277 24.1 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

Pervlene-d12

Concen: 20.000 ng

RT: 15.62 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BF117842.D

Acq: 18 Nov 2019 18:25

Instrument :

BNA_F

ClientSampleId :

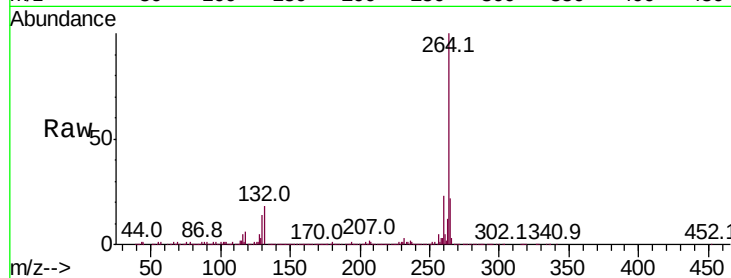
Tot Ion:264 Resp: 600745

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.0

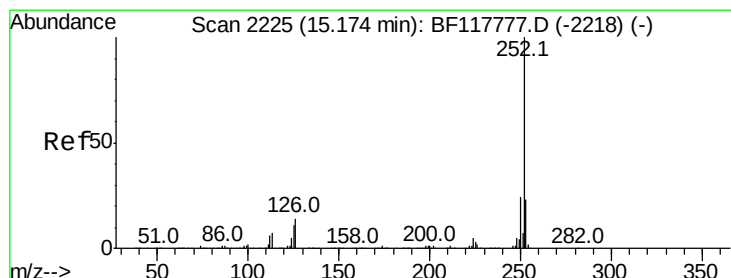
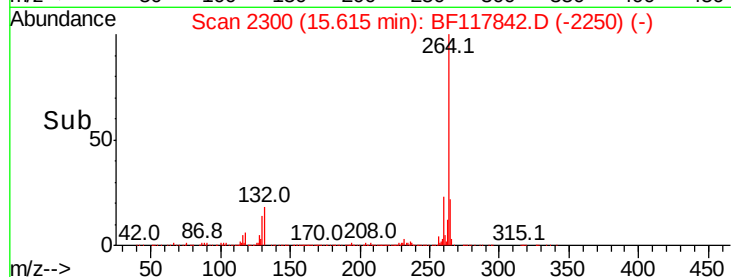
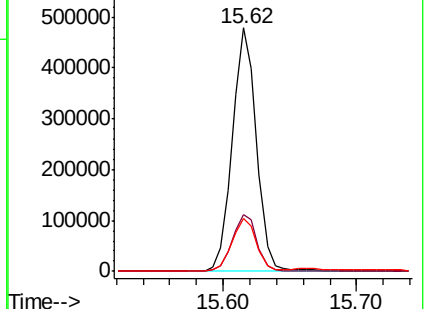
265 21.8 17.1 25.7



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: 7.829 ng

RT: 15.17 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BF117842.D

Acq: 18 Nov 2019 18:25

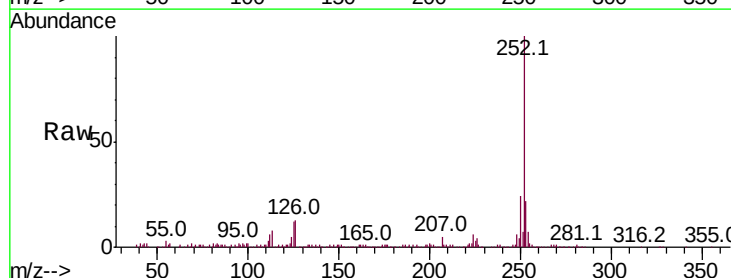
Tgt Ion:252 Resp: 305585

Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

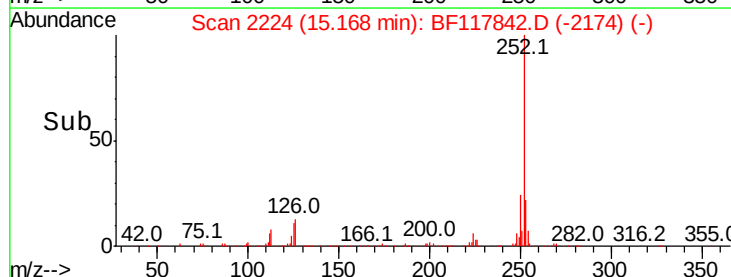
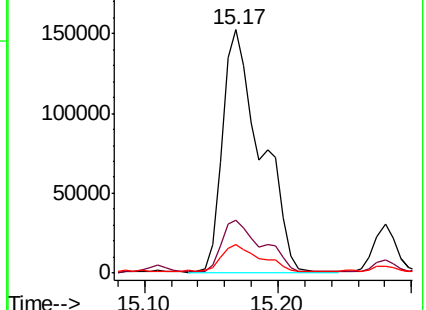
125 12.0 8.6 13.0

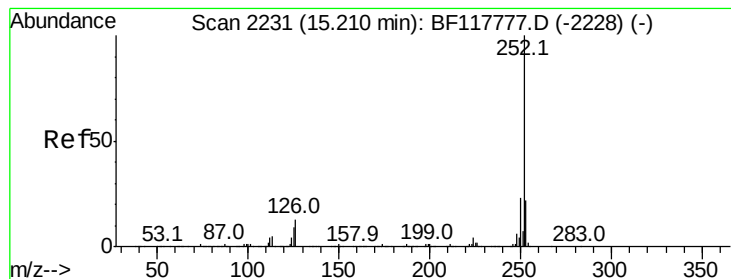


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 8.309 ng

RT: 15.17 min Scan# 2224

Delta R.T. -0.04 min

Lab File: BF117842.D

Acq: 18 Nov 2019 18:25

Instrument :

BNA_F

ClientSampleId :

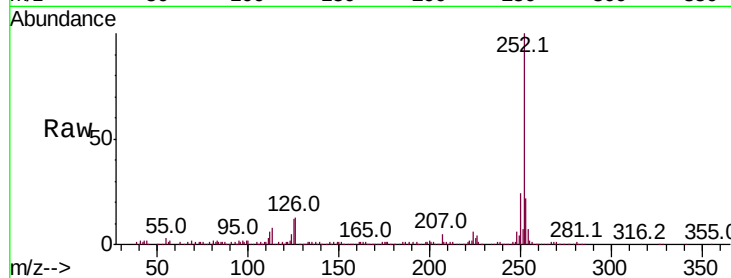
Tot Ion:252 Resp: 305585

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

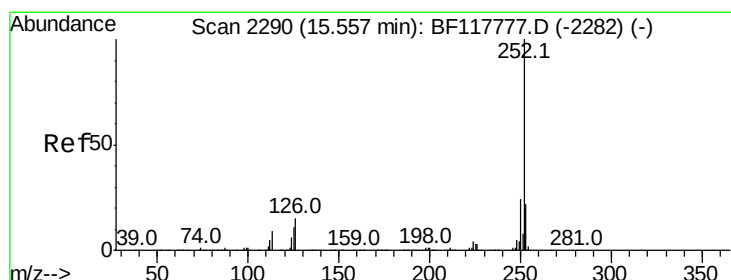
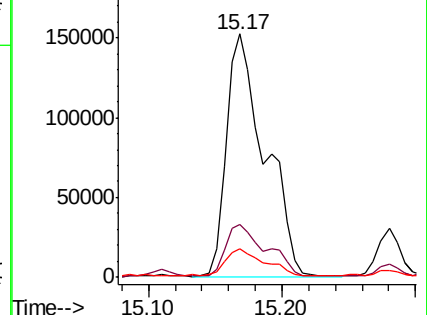
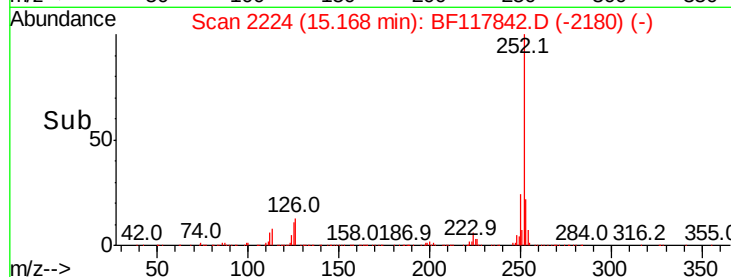
125 12.0 7.9 11.9#



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: 4.082 ng

RT: 15.54 min Scan# 2288

Delta R.T. -0.01 min

Lab File: BF117842.D

Acq: 18 Nov 2019 18:25

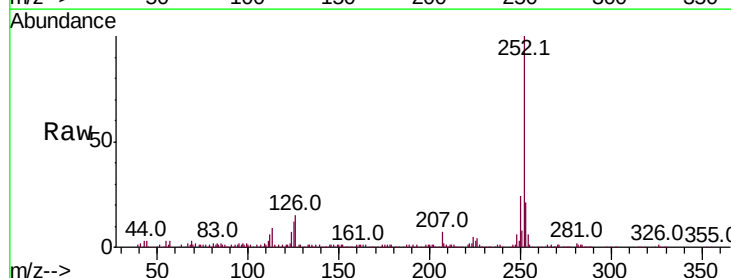
Tgt Ion:252 Resp: 140106

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.6

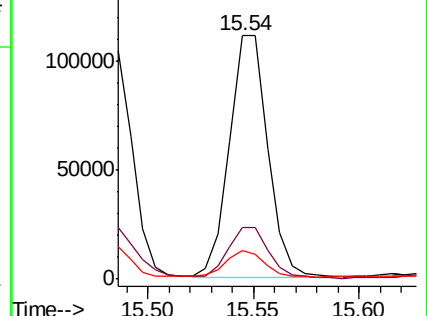
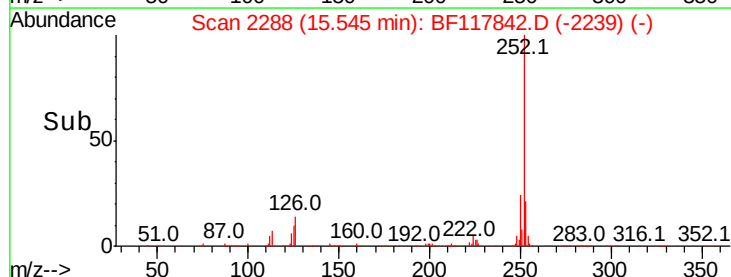
125 11.7 9.2 13.8

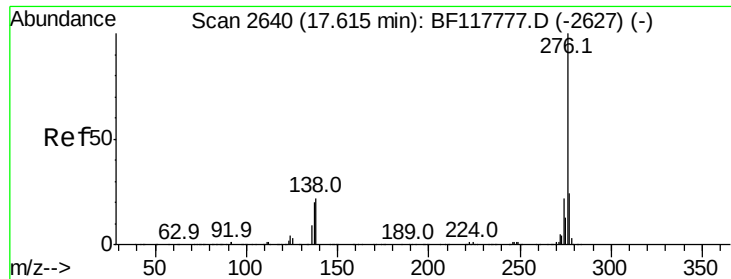


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 3.069 ng

RT: 17.60 min Scan# 2637

Delta R.T. -0.02 min

Lab File: BF117842.D

Acq: 18 Nov 2019 18:25

Instrument :

BNA_F

ClientSampleId :

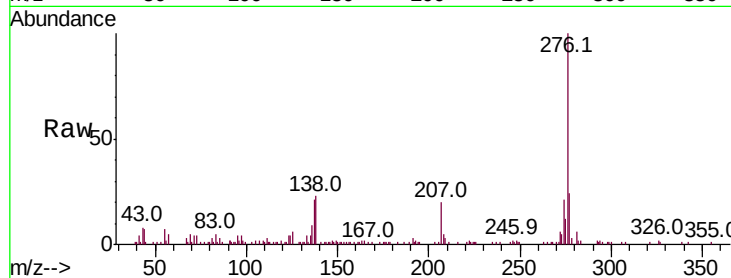
Tot Ion:276 Resp: 90290

Ion Ratio Lower Upper

276 100

277 24.2 18.9 28.3

138 23.0 17.4 26.2



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

