

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
 Data File : BF108864.D
 Acq On : 7 Sep 2018 16:52
 Operator : JU/SJ
 Sample : J4779-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 07 18:28:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	245760	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	945466	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	420853	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	693044	20.00	ng	0.00
75) Chrysene-d12	13.87	240	517784	20.00	ng	0.00
86) Perylene-d12	15.28	264	477907	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	296241	19.97	ng	0.00
7) Phenol-d6	6.36	99	390345	20.45	ng	0.00
23) Nitrobenzene-d5	7.29	82	227834	15.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	69286	17.25	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	436225	17.68	ng	0.00
78) Terphenyl-d14	12.82	244	315358	14.20	ng	0.00

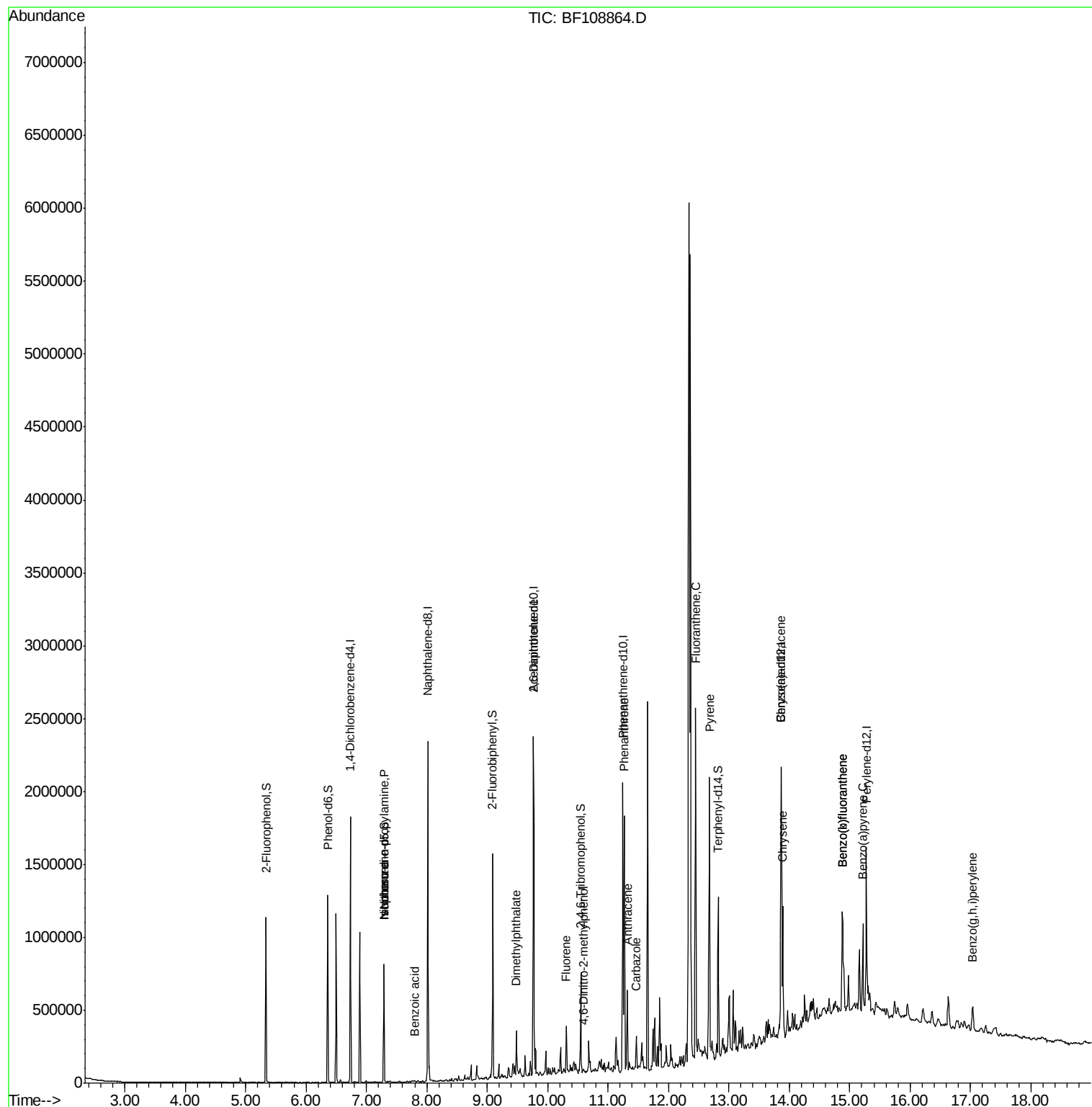
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.29	70	30222	2.278	ng	# 75
25) Isophorone	7.29	82	224241	7.441	ng	# 64
32) Benzoic acid	7.80	122	282	4.052	ng	88
49) Dimethylphthalate	9.48	163	98513	3.347	ng	# 99
50) 2,6-Dinitrotoluene	9.77	165	56255	10.029	ng	# 26
57) Fluorene	10.31	166	87234	3.858	ng	99
64) 4,6-Dinitro-2-methylphenol	10.58	198	369	6.984	ng	# 1
70) Phenanthrene	11.27	178	601724	18.181	ng	99
71) Anthracene	11.32	178	195340	6.165	ng	98
72) Carbazole	11.47	167	89725	2.689	ng	99
74) Fluoranthene	12.45	202	760207	23.200	ng	96
77) Pvrene	12.68	202	694290	17.426	ng	99
80) Benzo(a)anthracene	13.86	228	362766	10.931	ng	98
82) Chrysene	13.90	228	303353	9.442	ng	98
87) Benzo(b)fluoranthene	14.88	252	503813	19.388	ng	96
88) Benzo(k)fluoranthene	14.88	252	503813	21.053	ng	98
89) Benzo(a)pvrene	15.22	252	272336	11.615	ng	98
91) Benzo(g,h,i)perylene	17.04	276	123822	5.985	ng	94

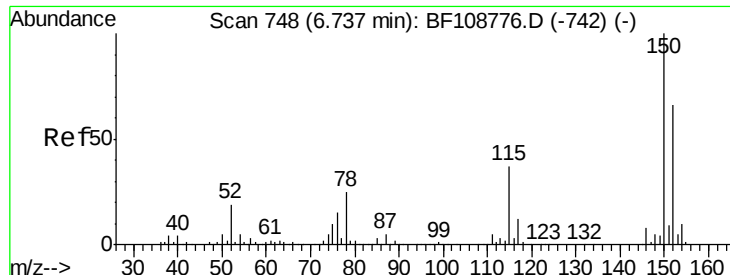
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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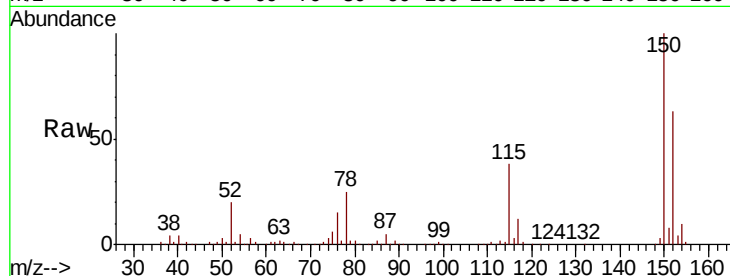


#1

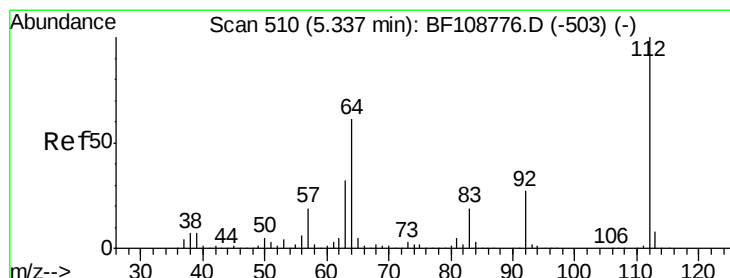
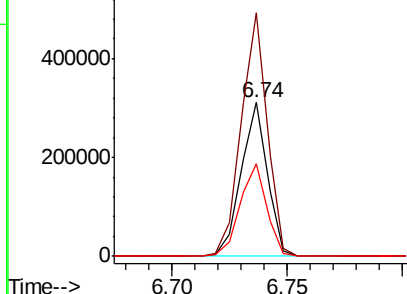
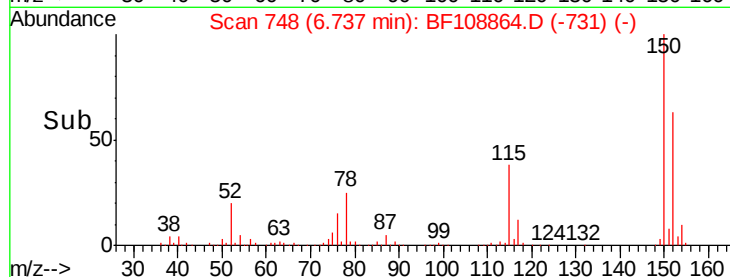
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. 0.00 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 245760
Ion Ratio Lower Upper
152 100
150 158.7 124.6 186.8
115 60.1 50.1 75.1



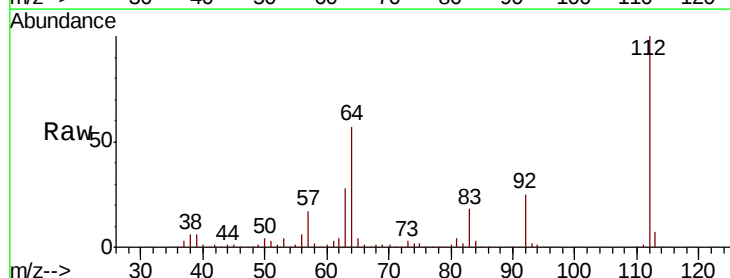
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



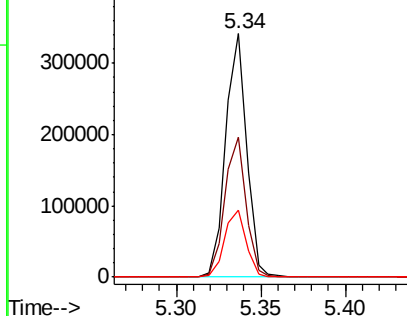
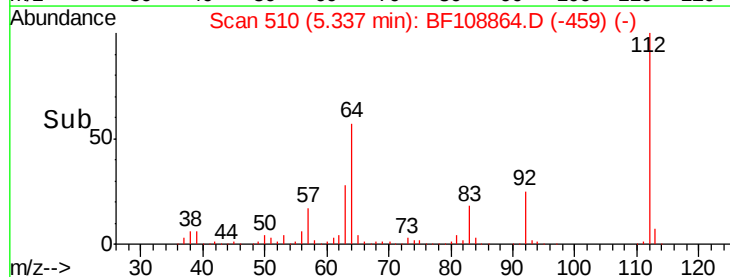
#5

2-Fluorophenol
Concen: 19.970 ng
RT: 5.34 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

Tgt Ion:112 Resp: 296241
Ion Ratio Lower Upper
112 100
64 57.4 47.9 71.9
63 27.7 23.7 35.5



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: 20.451 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

Instrument :

BNA_F

ClientSampleId :

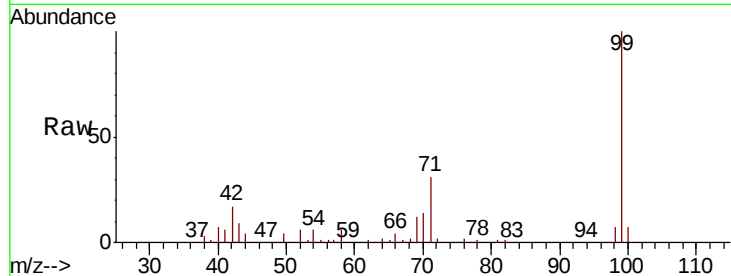
Tot Ion: 99 Resp: 390345

Ion Ratio Lower Upper

99 100

42 17.2 14.5 21.7

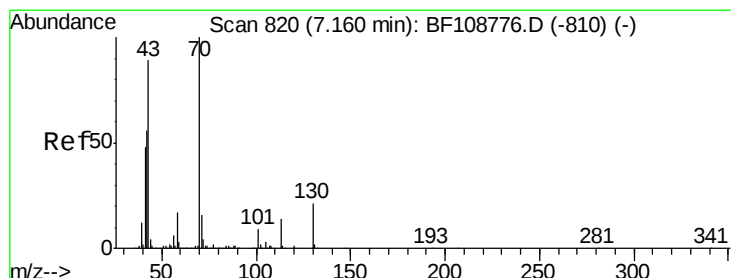
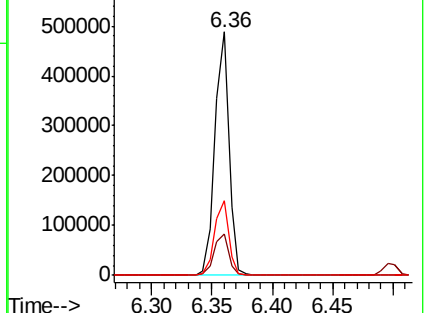
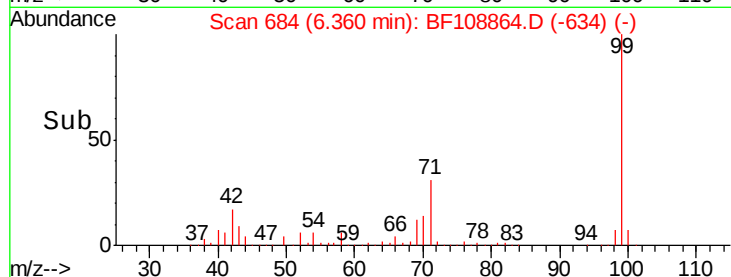
71 30.8 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.278 ng

RT: 7.29 min Scan# 842

Delta R.T. 0.13 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

Tgt Ion: 70 Resp: 30222

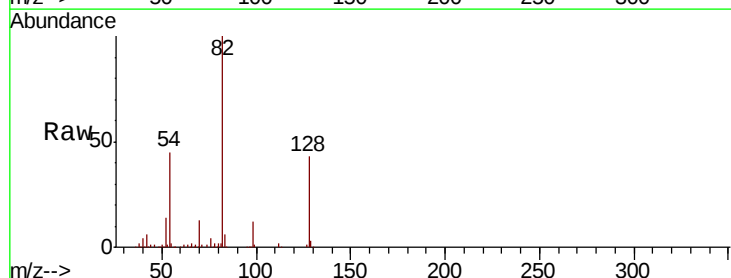
Ion Ratio Lower Upper

70 100

42 44.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

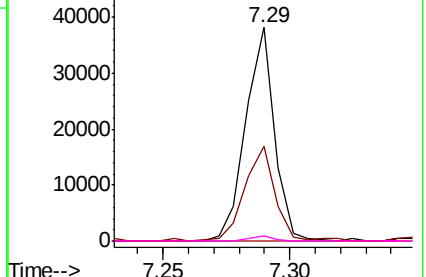
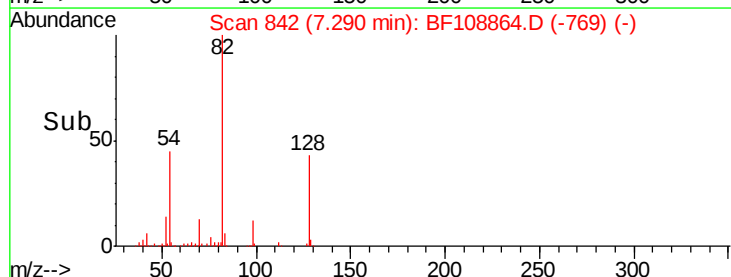


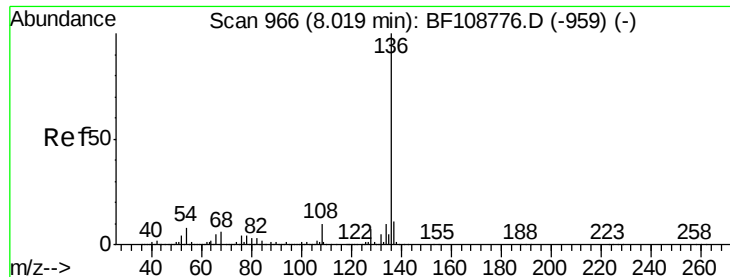
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

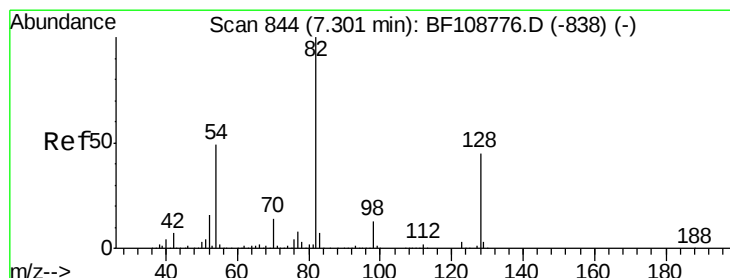
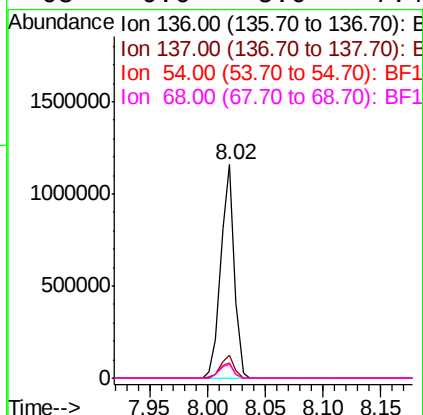
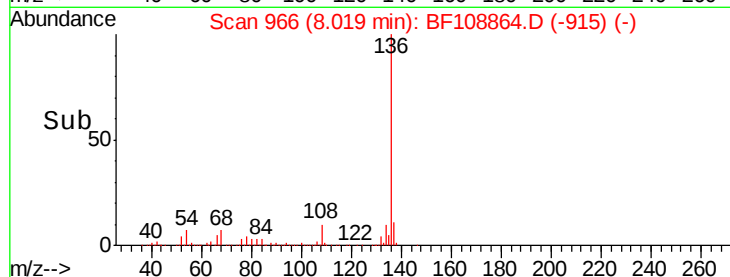
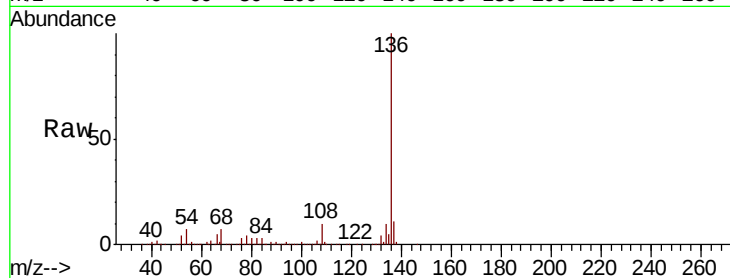




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. 0.00 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

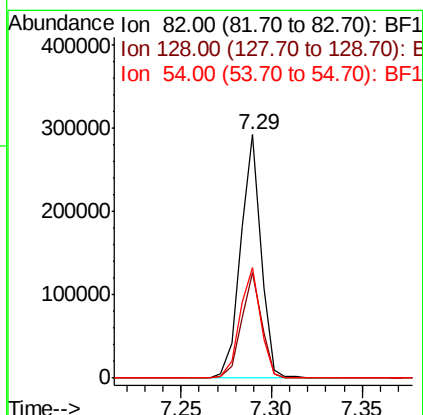
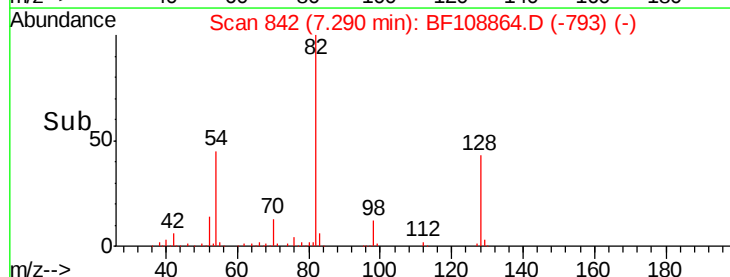
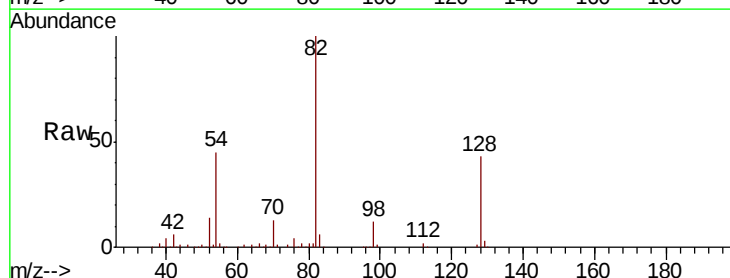
Instrument :
BNA_F
ClientSampleId :

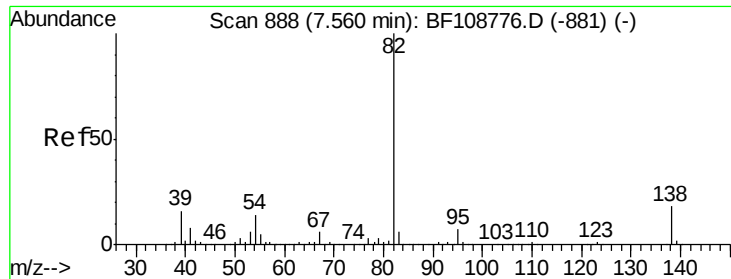
Tot Ion:136	Resp:	945466
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	7.4	6.6 9.8
68	6.6	5.0 7.4



#23
Nitrobenzene-d5
Concen: 15.080 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

Tgt Ion: 82	Resp:	227834
Ion Ratio	Lower	Upper
82	100	
128	43.2	36.1 54.1
54	45.5	41.4 62.2





#25

Isophorone

Concen: 7.441 ng

RT: 7.29 min Scan# 842

Delta R.T. -0.27 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

Instrument :

BNA_F

ClientSampleId :

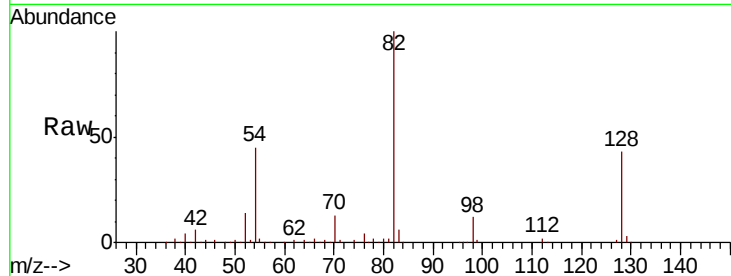
Tot Ion: 82 Resp: 224241

Ion Ratio Lower Upper

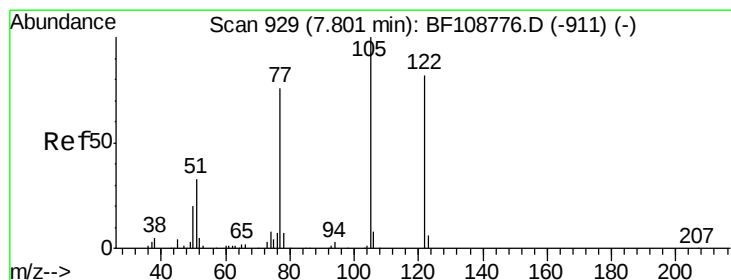
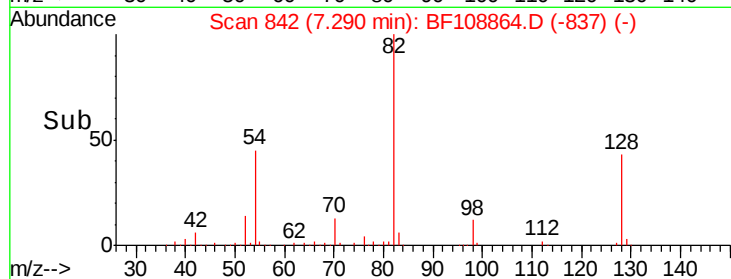
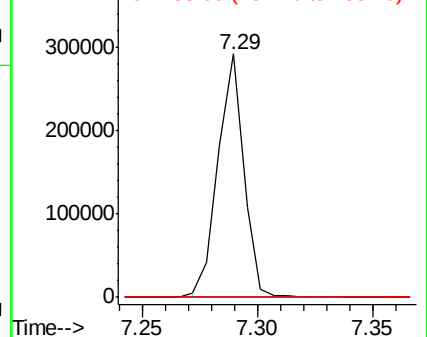
82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 4.052 ng

RT: 7.80 min Scan# 929

Delta R.T. 0.00 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

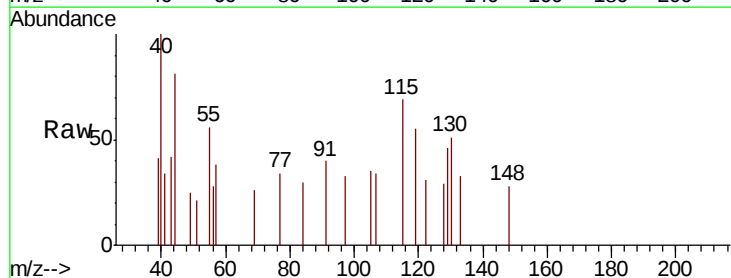
Tgt Ion: 122 Resp: 282

Ion Ratio Lower Upper

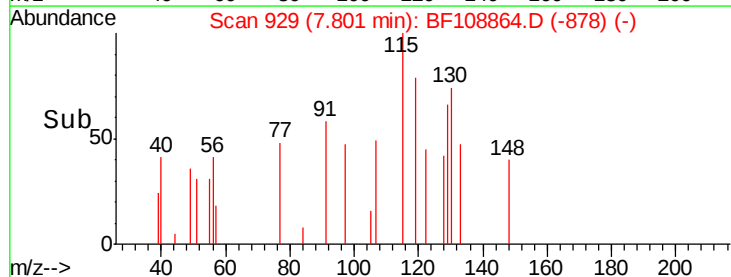
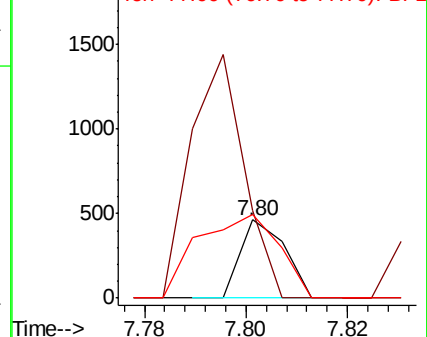
122 100

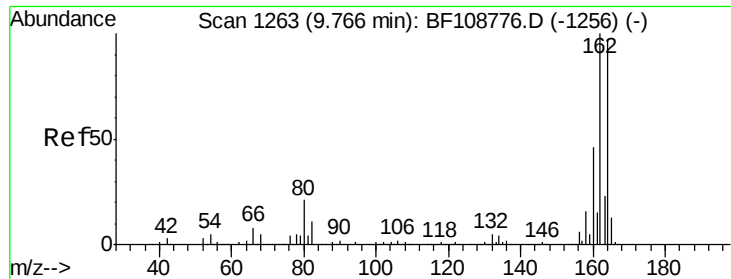
105 111.4 101.1 141.1

77 107.3 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

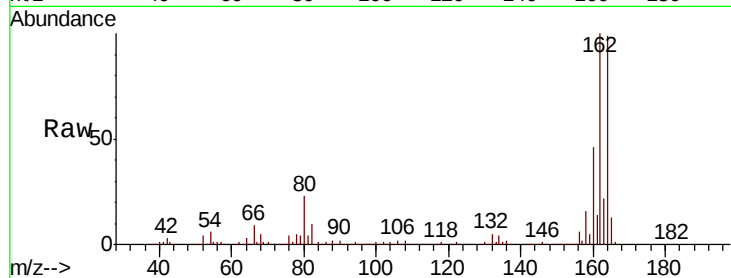




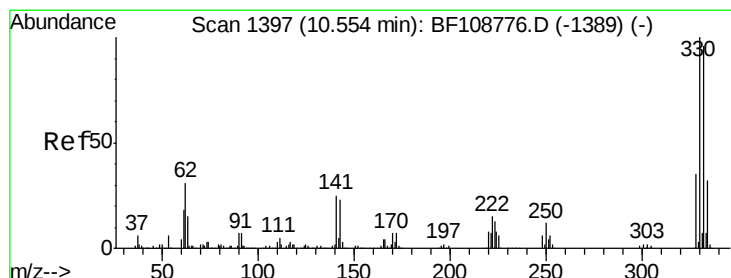
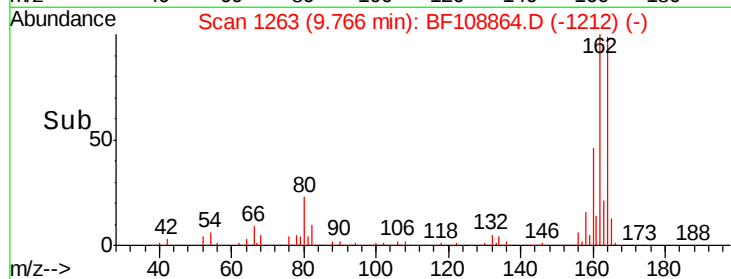
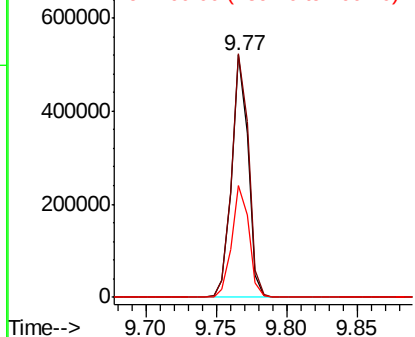
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: BF108864.D
 Acq: 7 Sep 2018 16:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.6	86.1	129.1
160	46.4	38.3	57.5

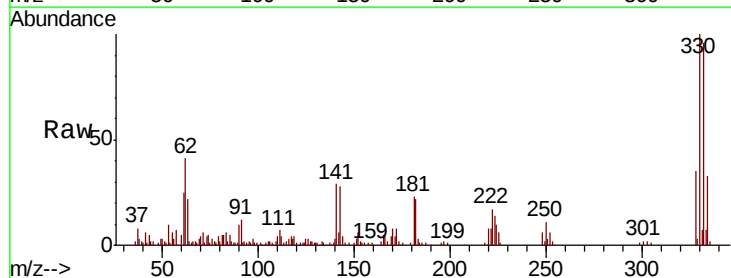


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

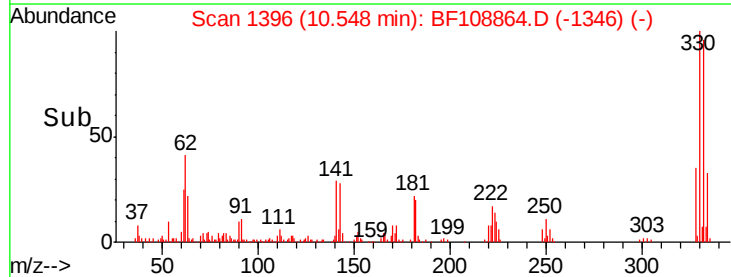
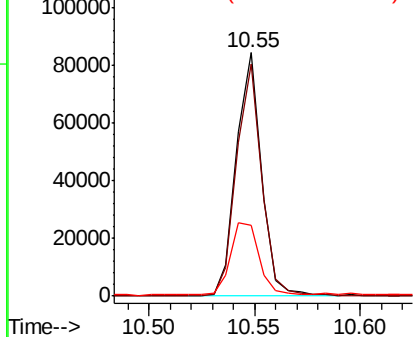


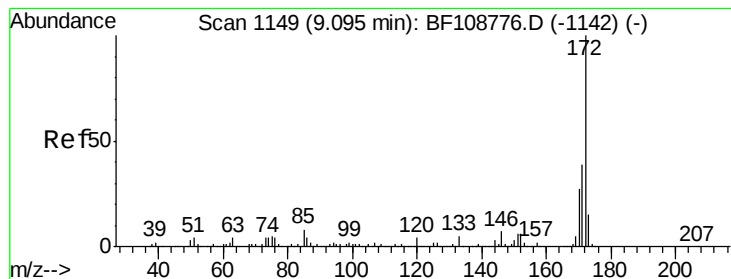
#41
 2,4,6-Tribromophenol
 Concen: 17.245 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108864.D
 Acq: 7 Sep 2018 16:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	34.7	29.9	44.9



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

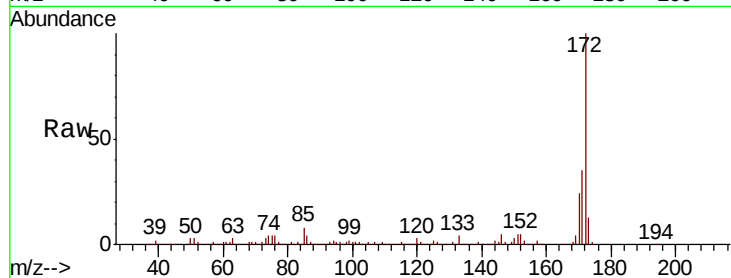




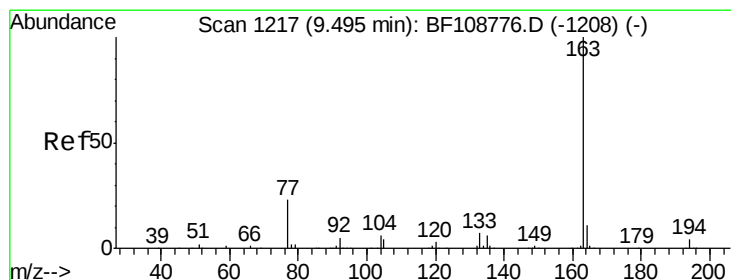
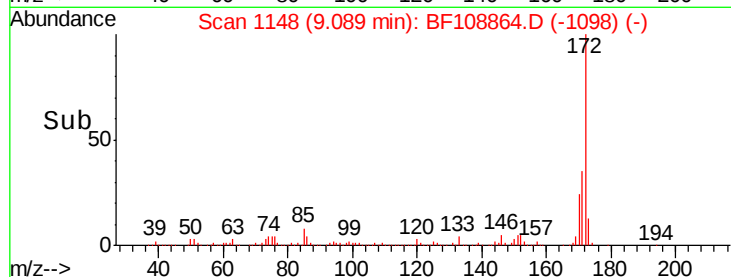
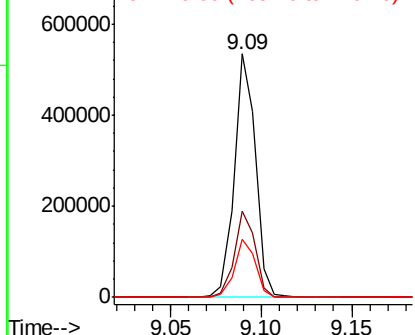
#44
2-Fluorobiphenyl
Concen: 17.683 ng
RT: 9.09 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 436225
Ion Ratio Lower Upper
172 100
171 35.3 29.7 44.5
170 23.7 19.6 29.4

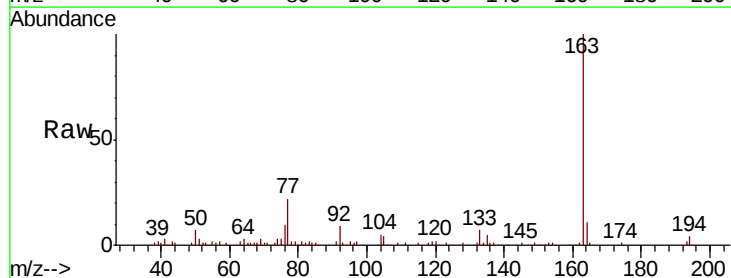


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

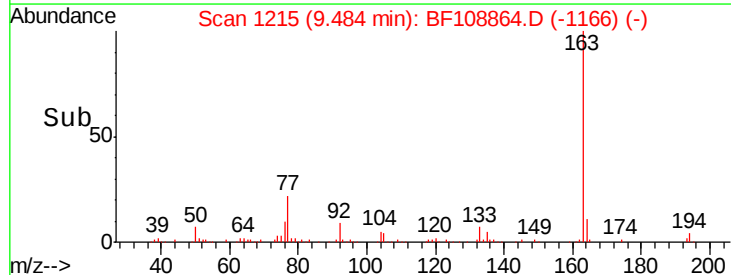
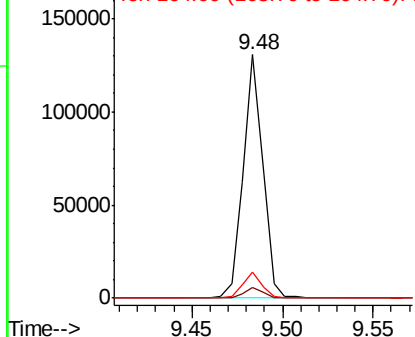


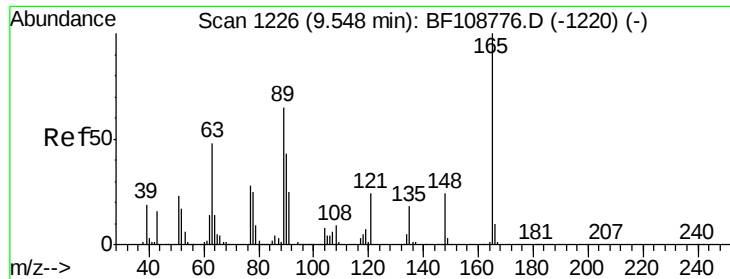
#49
Dimethylphthalate
Concen: 3.347 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108864.D
Acq: 7 Sep 2018 16:52

Tgt Ion:163 Resp: 98513
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 10.5 8.2 12.2



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

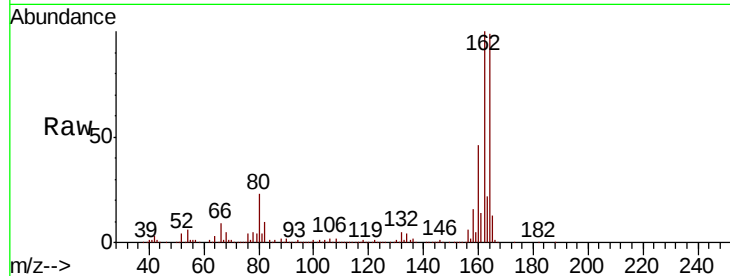




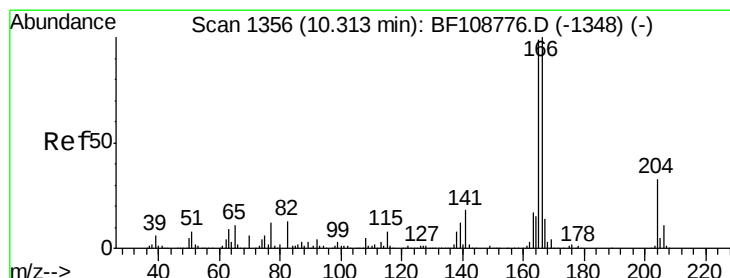
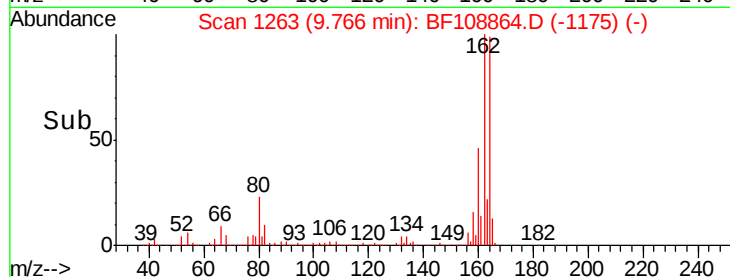
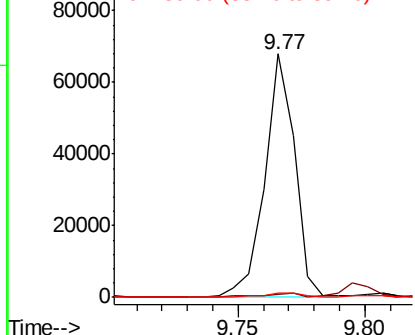
#50
 2,6-Dinitrotoluene
 Concen: 10.029 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. 0.22 min
 Lab File: BF108864.D
 Acq: 7 Sep 2018 16:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.5	44.0	66.0#

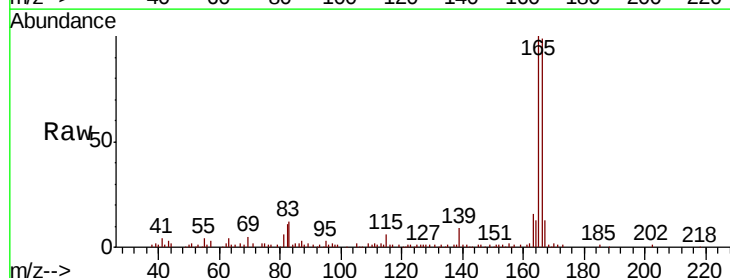


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

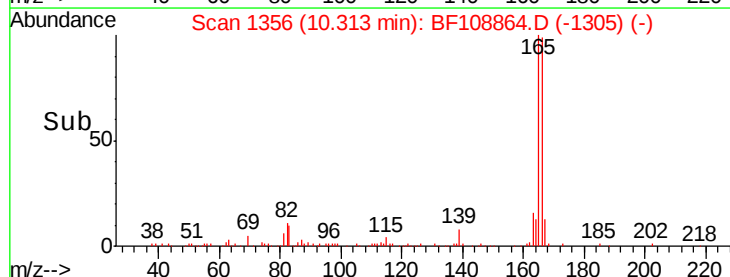
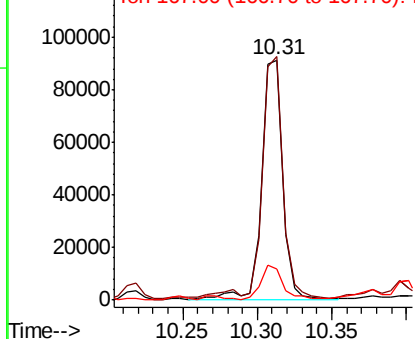


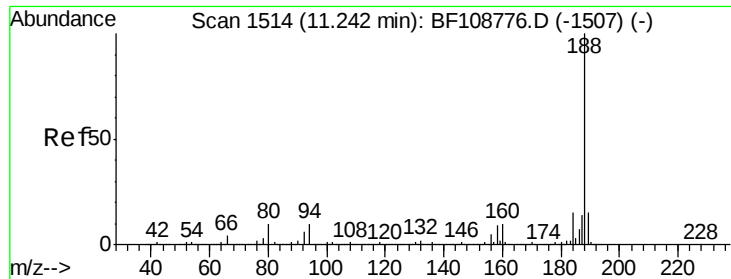
#57
 Fluorene
 Concen: 3.858 ng
 RT: 10.31 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: BF108864.D
 Acq: 7 Sep 2018 16:52

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.4	79.8	119.8
167	13.2	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

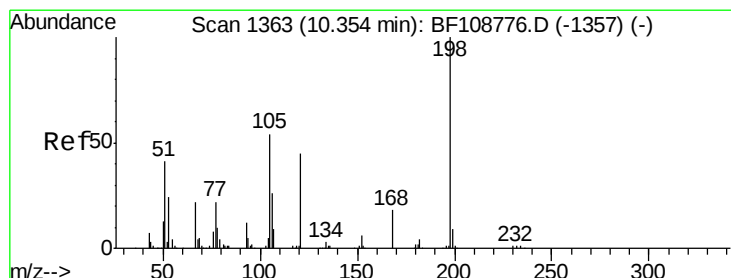
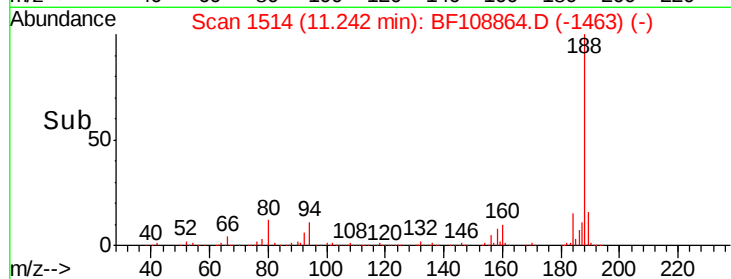
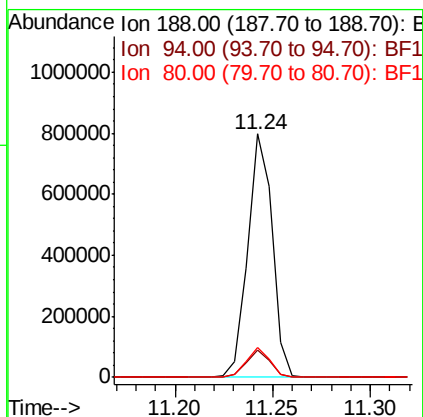
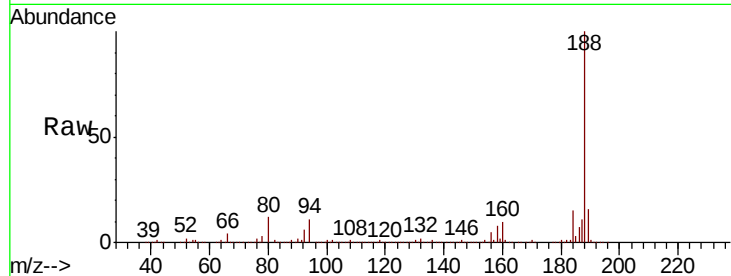




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: BF108864.D
 Acq: 7 Sep 2018 16:52

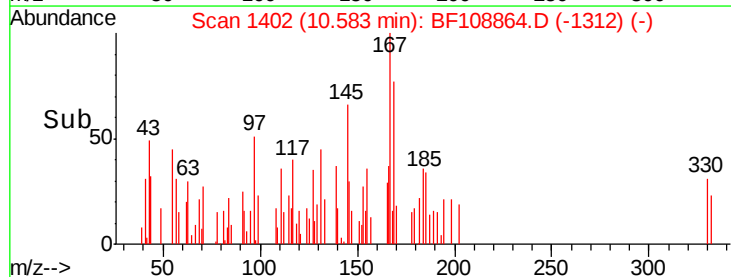
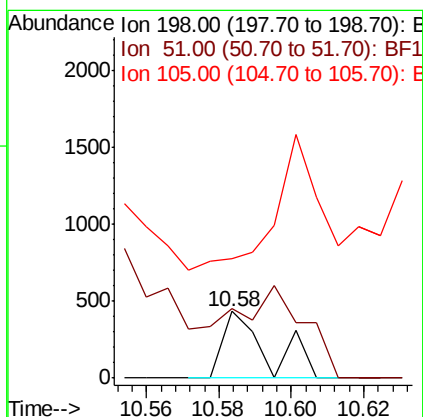
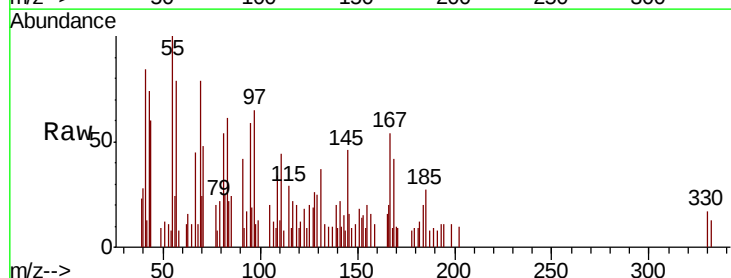
Instrument :
 BNA_F
 ClientSampleId :

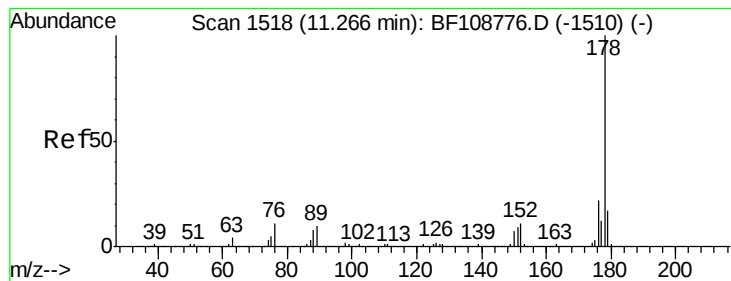
Tot Ion:188 Resp: 693044
 Ion Ratio Lower Upper
 188 100
 94 11.2 8.5 12.7
 80 12.0 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.984 ng
 RT: 10.58 min Scan# 1402
 Delta R.T. 0.23 min
 Lab File: BF108864.D
 Acq: 7 Sep 2018 16:52

Tgt Ion:198 Resp: 369
 Ion Ratio Lower Upper
 198 100
 51 103.7 37.7 77.7#
 105 179.9 36.3 76.3#





#70

Phenanthrene

Concen: 18.181 ng

RT: 11.27 min Scan# 1518

Delta R.T. 0.00 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

Instrument :

BNA_F

ClientSampled :

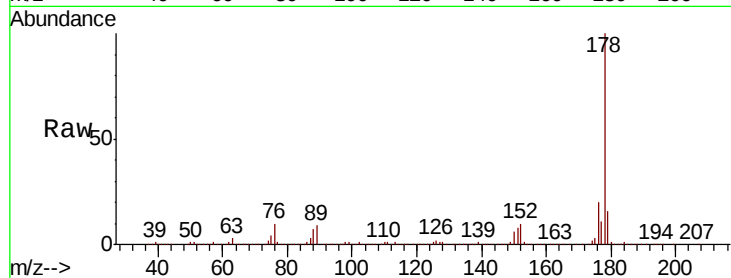
Tot Ion:178 Resp: 601724

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

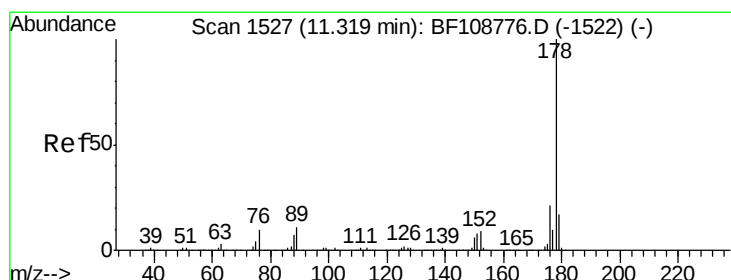
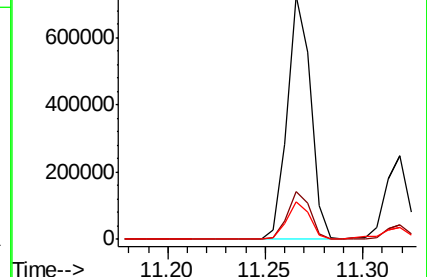
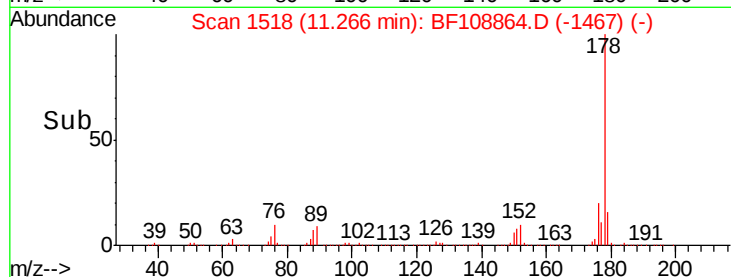
179 15.6 13.0 19.6



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



#71

Anthracene

Concen: 6.165 ng

RT: 11.32 min Scan# 1527

Delta R.T. 0.00 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

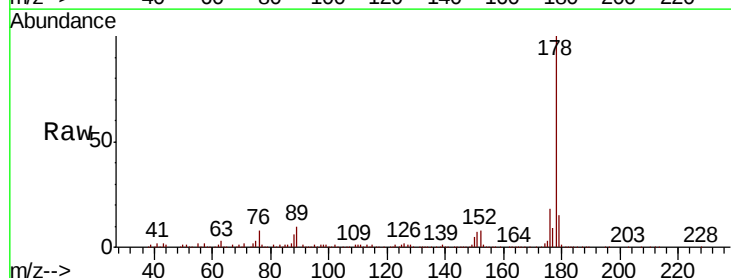
Tgt Ion:178 Resp: 195340

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

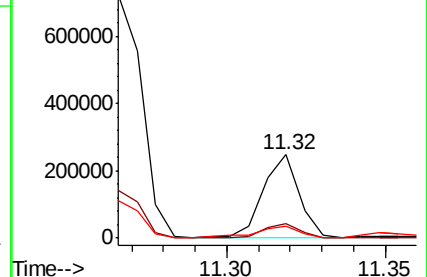
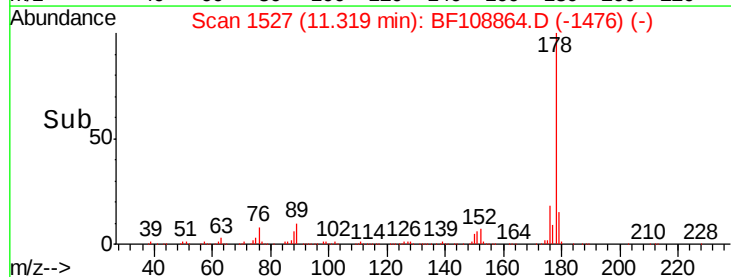
179 15.0 12.6 19.0

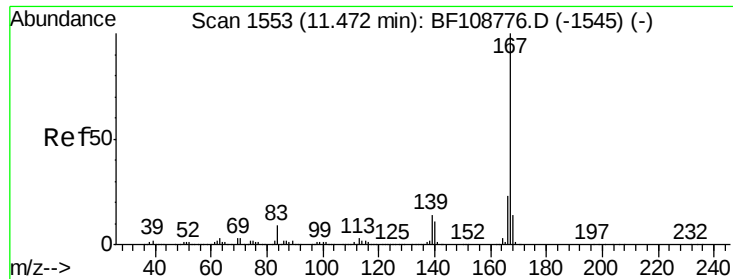


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.689 ng

RT: 11.47 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BF108864.D

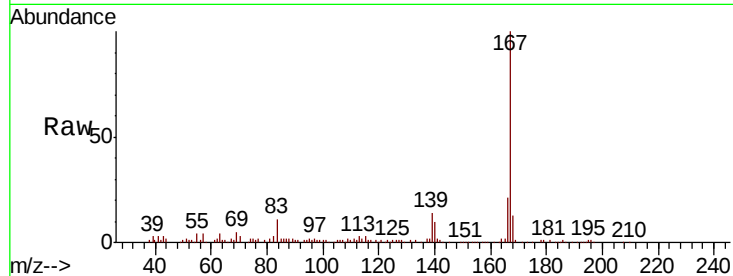
Acq: 7 Sep 2018 16:52

Instrument :

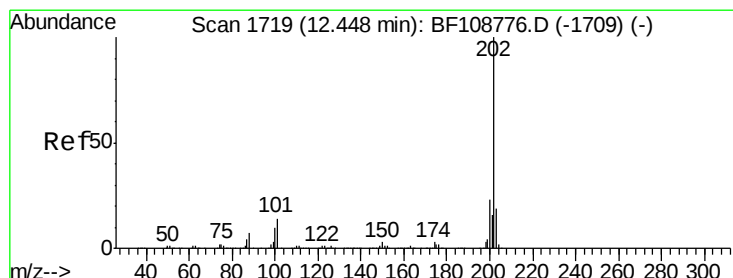
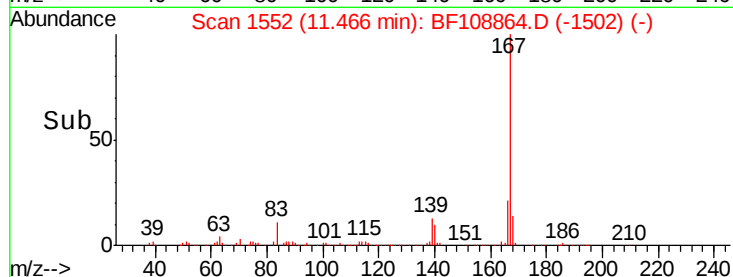
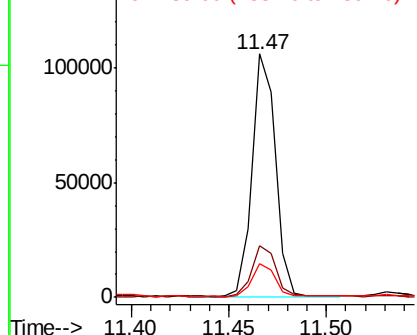
BNA_F

ClientSampled :

Tot Ion:	167	Resp:	89725
Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.6	26.4
139	13.6	10.9	16.3



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 23.200 ng

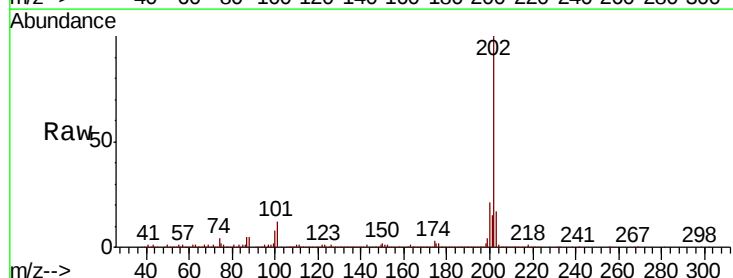
RT: 12.45 min Scan# 1720

Delta R.T. 0.01 min

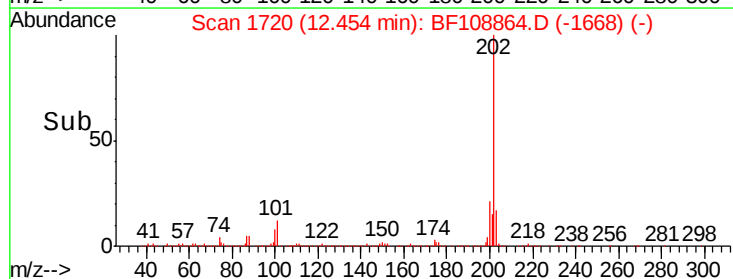
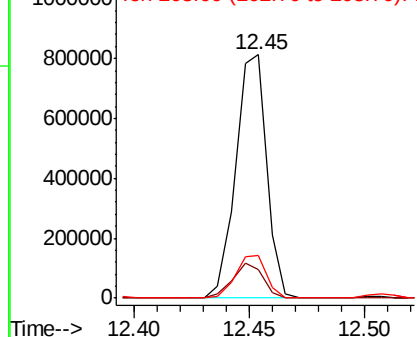
Lab File: BF108864.D

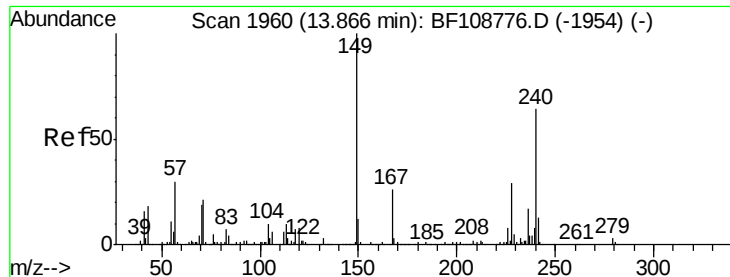
Acq: 7 Sep 2018 16:52

Tgt Ion:	202	Resp:	760207
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.1
203	17.4	0.0	38.1



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 1961

Delta R.T. 0.01 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

Instrument :

BNA_F

ClientSampleId :

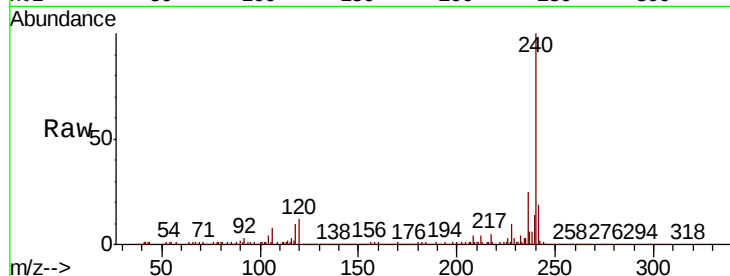
Tot Ion:240 Resp: 517784

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

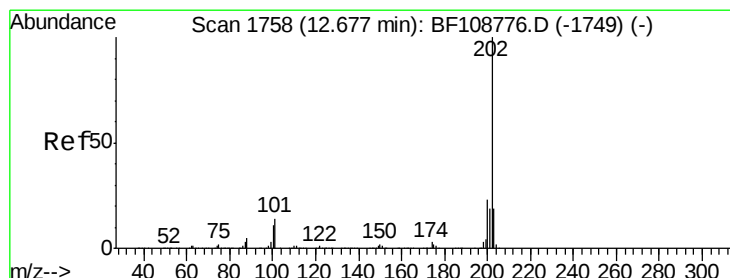
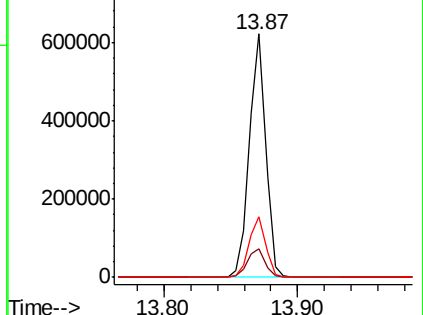
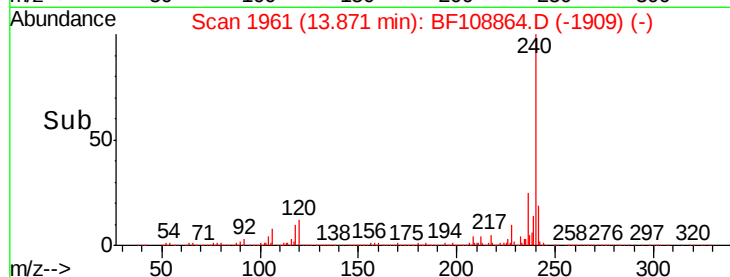
236 25.0 20.7 31.1



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



#77

Pyrene

Concen: 17.426 ng

RT: 12.68 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

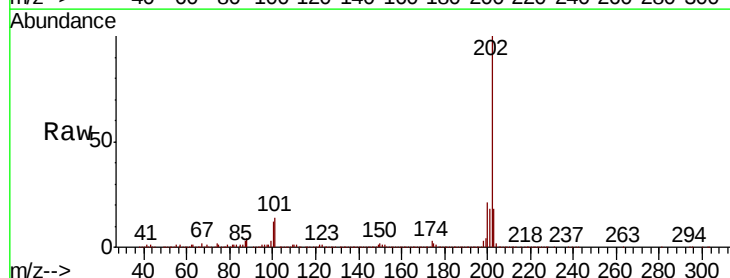
Tgt Ion:202 Resp: 694290

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

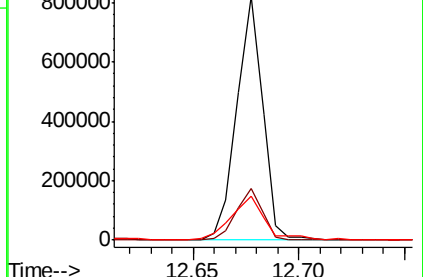
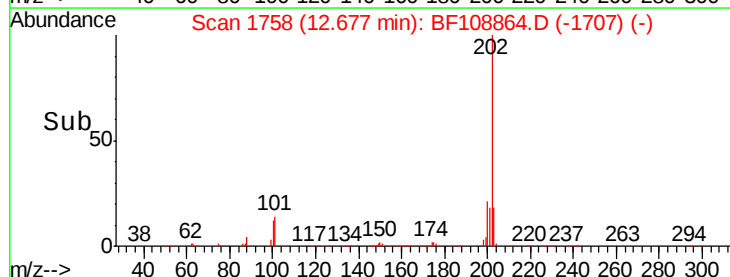
203 18.1 14.3 21.5

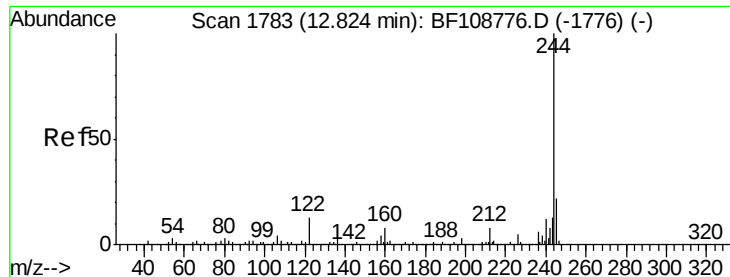


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

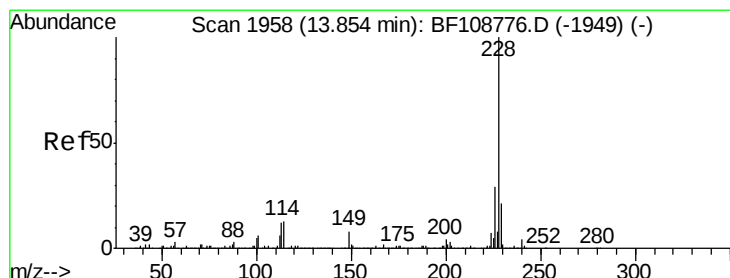
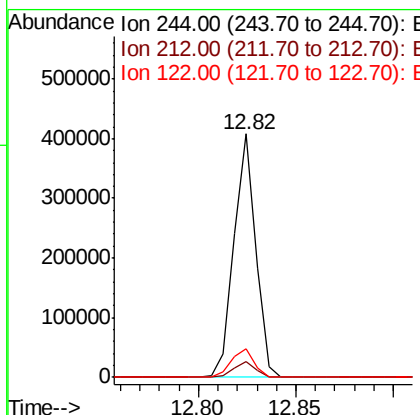
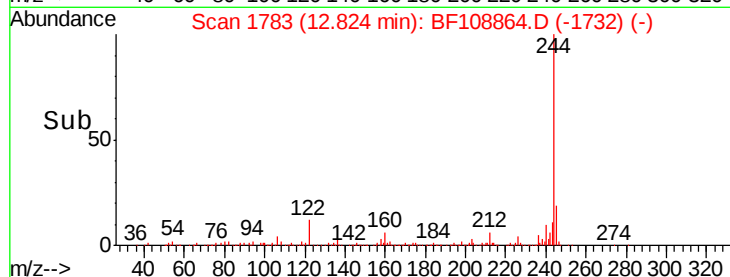
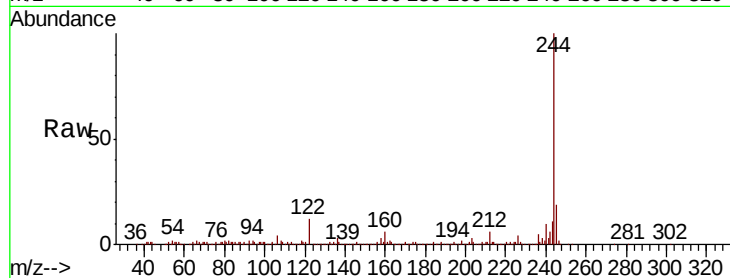




#78
 Terphenyl-d14
 Concen: 14.203 ng
 RT: 12.82 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: BF108864.D
 Acq: 7 Sep 2018 16:52

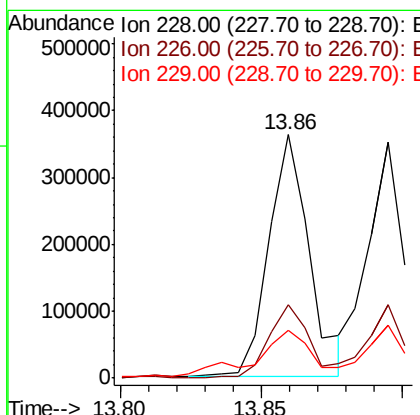
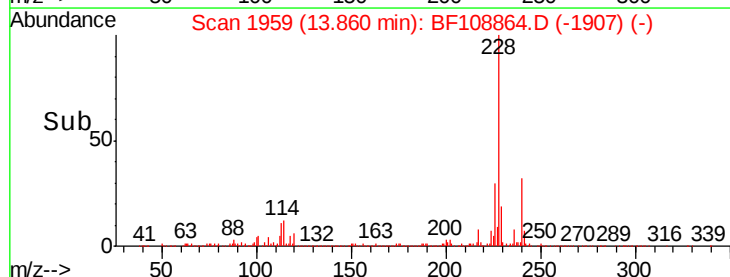
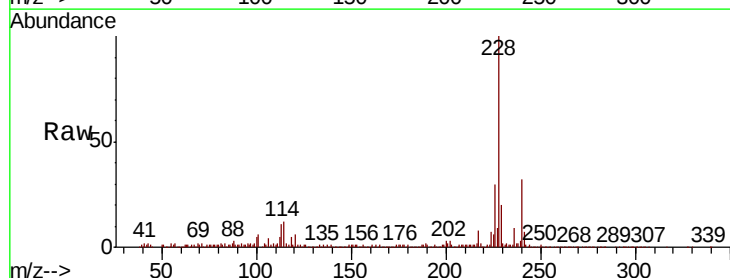
Instrument :
 BNA_F
 ClientSampleId :

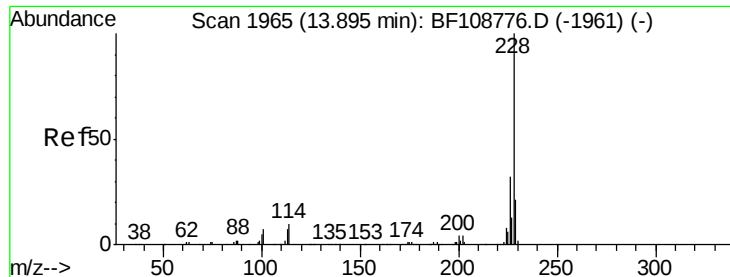
Tot Ion:244 Resp: 315358
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 11.8 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 10.931 ng
 RT: 13.86 min Scan# 1959
 Delta R.T. 0.01 min
 Lab File: BF108864.D
 Acq: 7 Sep 2018 16:52

Tgt Ion:228 Resp: 362766
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.6 33.8
 229 19.9 15.8 23.6





#82

Chrysene

Concen: 9.442 ng

RT: 13.90 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

Instrument :

BNA_F

ClientSampleId :

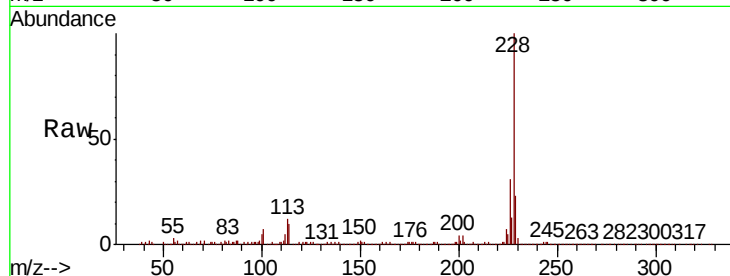
Tot Ion:228 Resp: 303353

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

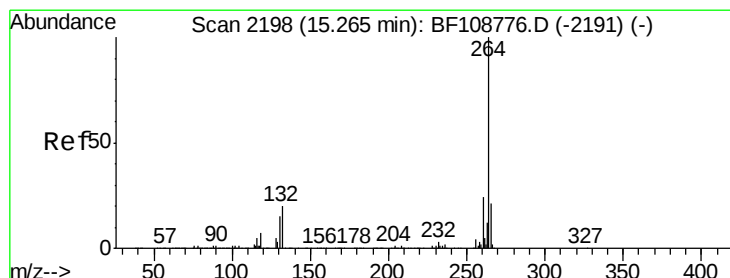
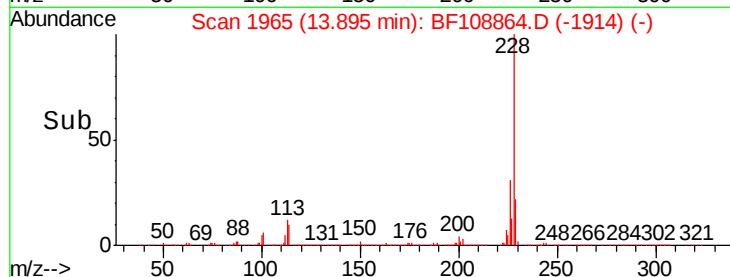
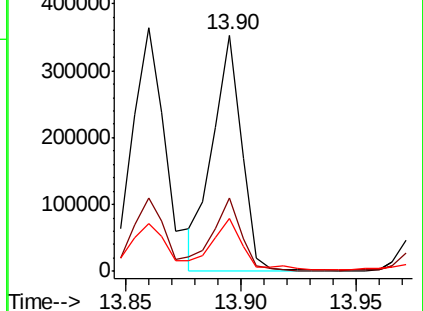
229 22.5 16.2 24.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

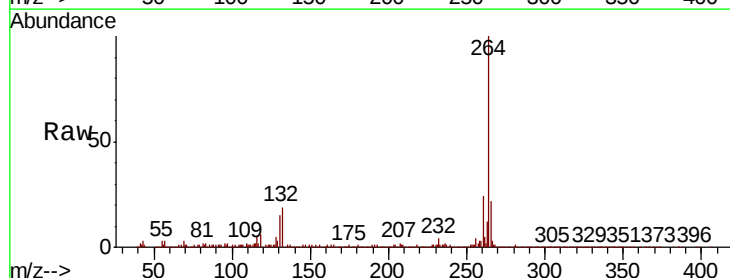
Tgt Ion:264 Resp: 477907

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

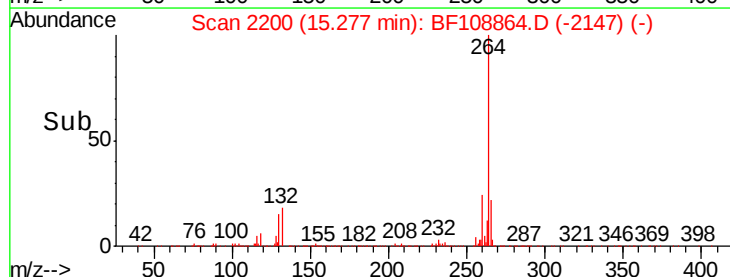
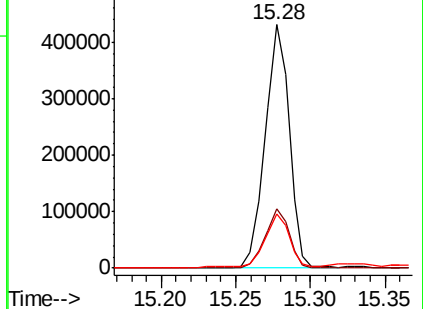
265 22.3 17.5 26.3

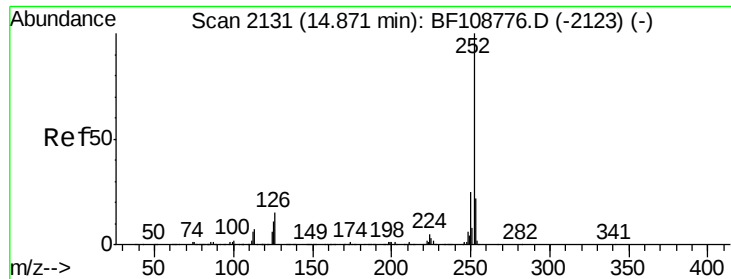


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 19.388 ng

RT: 14.88 min Scan# 2132

Delta R.T. 0.01 min

Lab File: BF108864.D

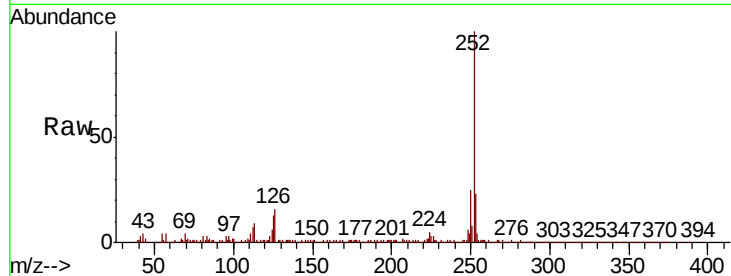
Acq: 7 Sep 2018 16:52

Instrument :

BNA_F

ClientSampleId :

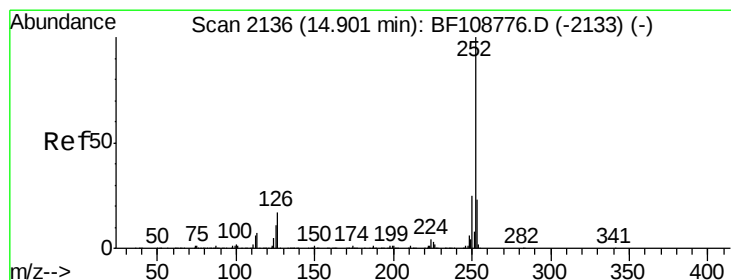
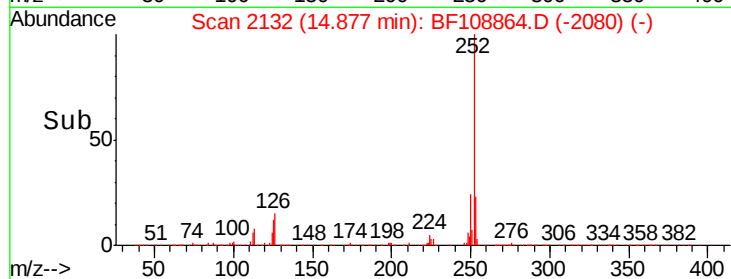
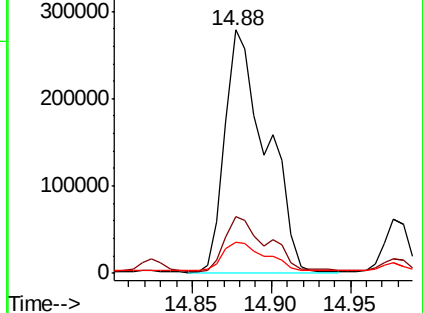
Tot Ion:	252	Resp:	503813
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	13.0	9.0	13.6



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



#88

Benzo(k)fluoranthene

Concen: 21.053 ng

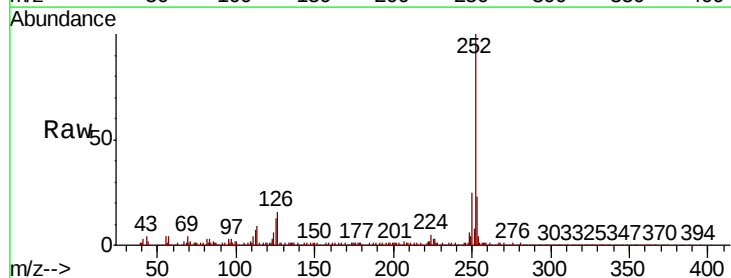
RT: 14.88 min Scan# 2132

Delta R.T. -0.02 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

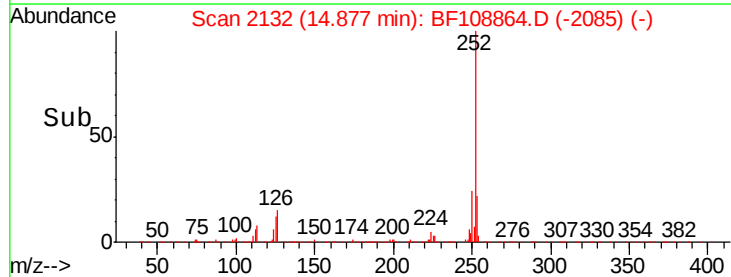
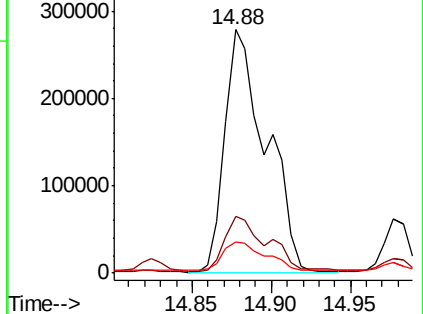
Tgt Ion:	252	Resp:	503813
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	13.0	10.2	15.2

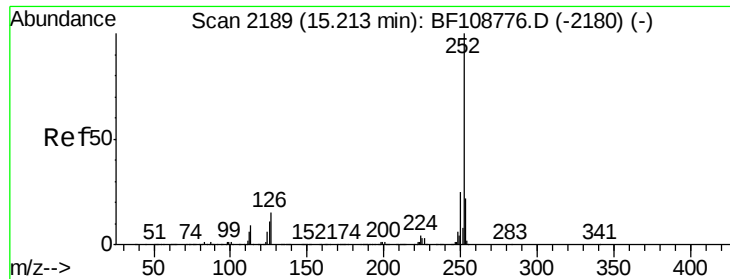


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 11.615 ng

RT: 15.22 min Scan# 2190

Delta R.T. 0.01 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

Instrument :

BNA_F

ClientSampleId :

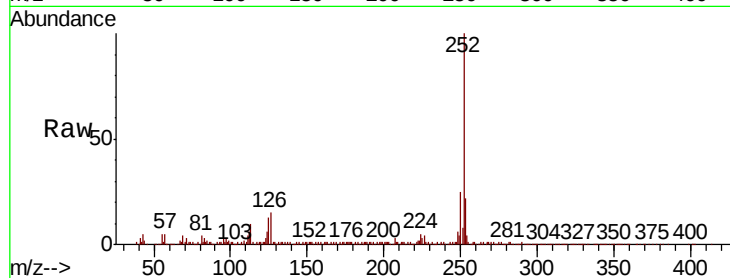
Tot Ion:252 Resp: 272336

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

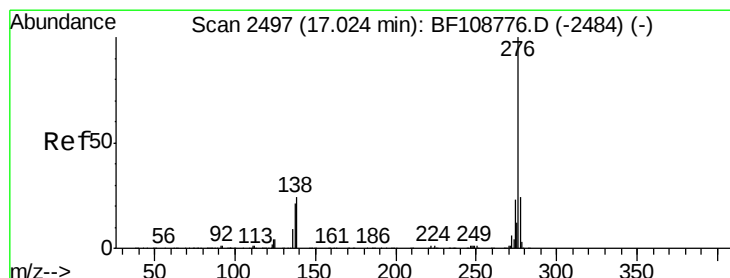
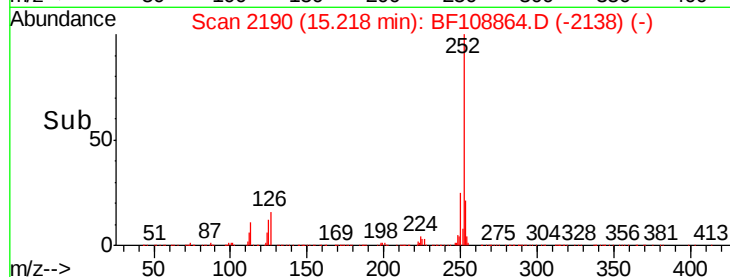
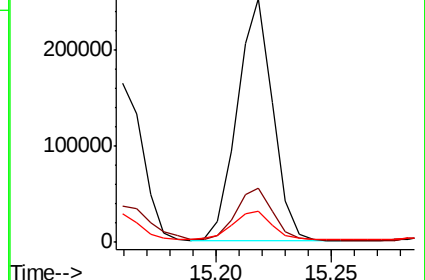
125 12.6 9.8 14.6



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



#91

Benzo(g,h,i)perylene

Concen: 5.985 ng

RT: 17.04 min Scan# 2499

Delta R.T. 0.01 min

Lab File: BF108864.D

Acq: 7 Sep 2018 16:52

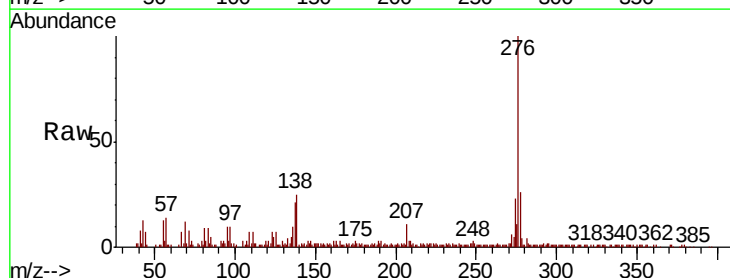
Tgt Ion:276 Resp: 123822

Ion Ratio Lower Upper

276 100

277 25.5 17.9 26.9

138 24.5 21.8 32.8



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

