

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
 Data File : BF107873.D
 Acq On : 1 Aug 2018 1:54
 Operator : JU/SJ
 Sample : J3825-19 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 01 04:35:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	142477	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	579459	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	214556	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	422114	20.00	ng	0.00
75) Chrysene-d12	14.15	240	367352	20.00	ng	0.00
86) Perylene-d12	15.69	264	266763	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	322289	38.44	ng	0.00
7) Phenol-d6	6.61	99	416766	37.72	ng	0.00
23) Nitrobenzene-d5	7.53	82	225350	22.40	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	97355	33.39	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	530543	34.46	ng	0.00
78) Terphenyl-d14	13.08	244	553427	32.67	ng	0.00

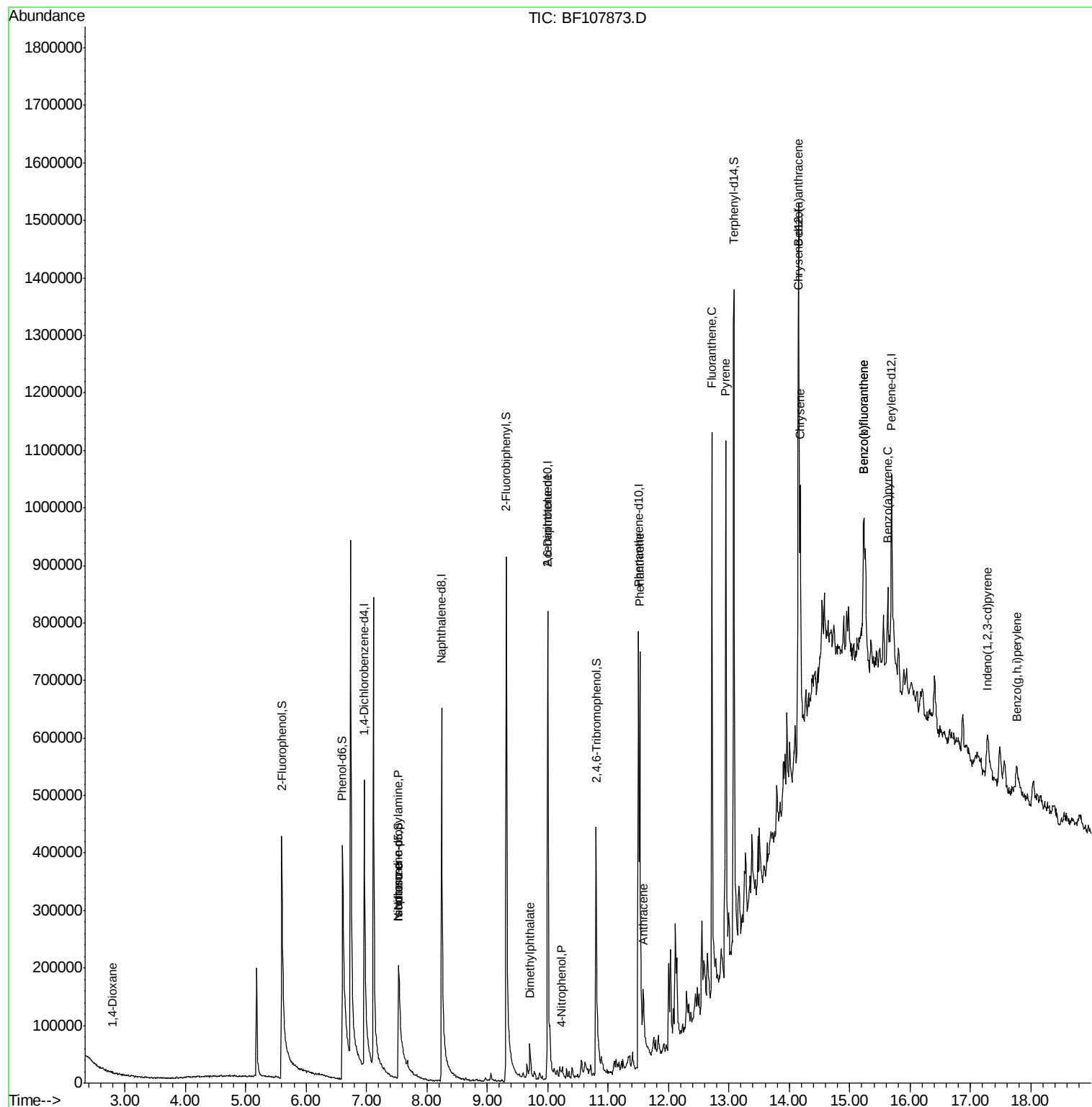
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.80	88	412	5.886	ng	# 1
19) n-Nitroso-di-n-propylamine	7.53	70	28975	4.134	ng	# 81
25) Isophorone	7.53	82	225350	13.649	ng	# 64
49) Dimethylphthalate	9.71	163	38544	2.392	ng	100
50) 2,6-Dinitrotoluene	10.00	165	26615	7.601	ng	# 25
55) 4-Nitrophenol	10.22	139	4729	11.325	ng	# 9
70) Phenanthrene	11.52	178	323555	16.143	ng	98
71) Anthracene	11.58	178	110913	4.798	ng	97
74) Fluoranthene	12.72	202	514759	21.861	ng	97
77) Pyrene	12.95	202	519584	19.642	ng	97
80) Benzo(a)anthracene	14.14	228	230802	11.091	ng	98
82) Chrysene	14.18	228	211154	9.408	ng	96
85) Indeno(1,2,3-cd)pyrene	17.28	276	58260	3.413	ng	# 89
87) Benzo(b)fluoranthene	15.24	252	208532	15.850	ng	# 86
88) Benzo(k)fluoranthene	15.24	252	208532	12.910	ng	# 89
89) Benzo(a)pyrene	15.63	252	106580	7.847	ng	# 94
91) Benzo(a,h,i)perylene	17.77	276	57605	5.025	ng	# 95

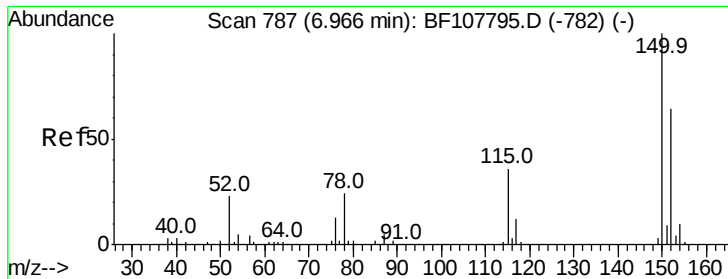
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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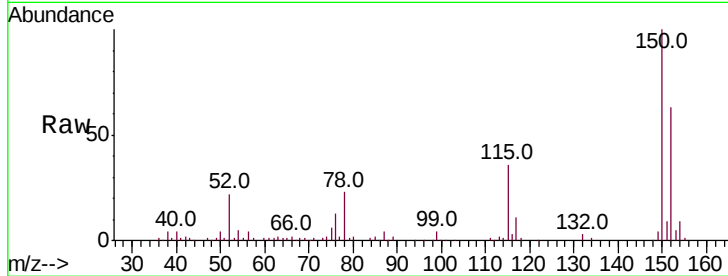


#1

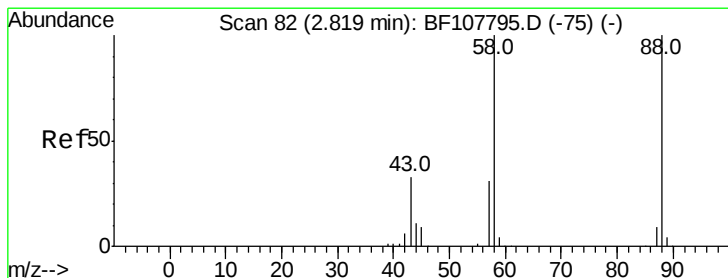
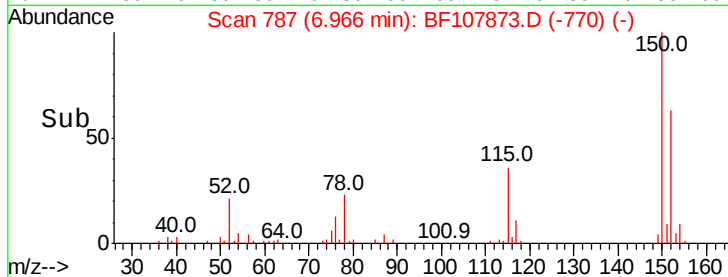
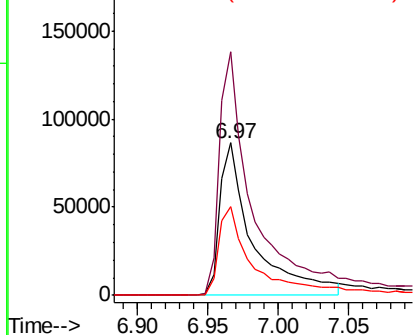
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF107873.D
 Acq: 1 Aug 2018 1:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 142477
 Ion Ratio Lower Upper
 152 100
 150 160.0 124.6 186.8
 115 58.3 50.1 75.1



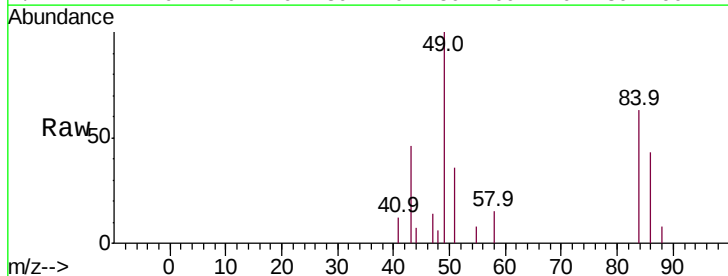
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



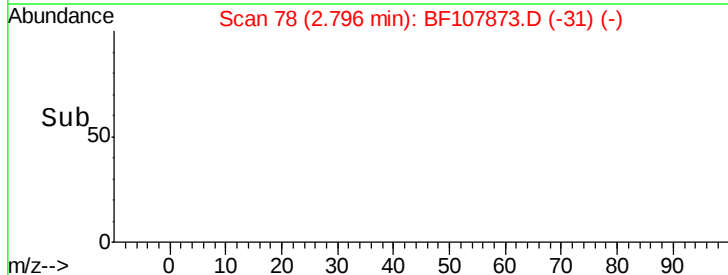
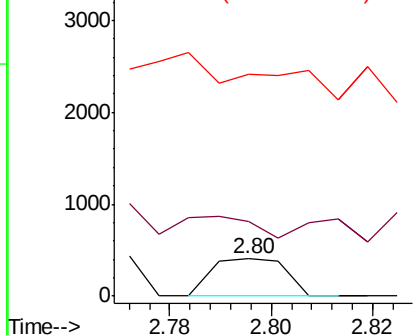
#2

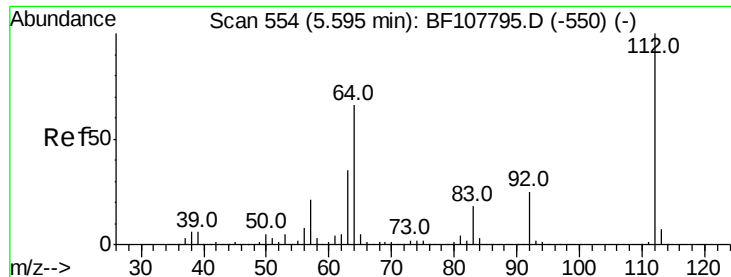
1,4-Dioxane
 Concen: 5.886 ng
 RT: 2.80 min Scan# 78
 Delta R.T. -0.02 min
 Lab File: BF107873.D
 Acq: 1 Aug 2018 1:54

Tgt Ion: 88 Resp: 412
 Ion Ratio Lower Upper
 88 100
 58 0.0 62.6 93.8#
 43 230.3 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
 Ion 58.00 (57.70 to 58.70): BF1
 Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 38.444 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107873.D

Acq: 1 Aug 2018 1:54

Instrument :
BNA_F
ClientSampled :

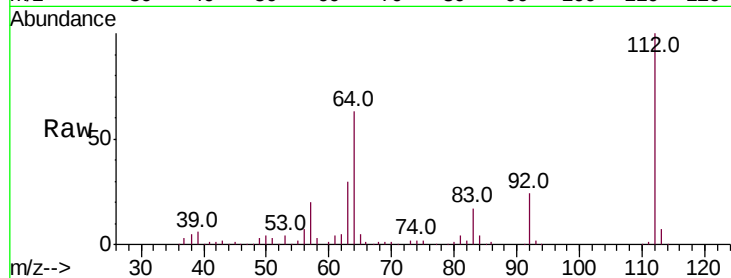
Tot Ion:112 Resp: 322289

Ion Ratio Lower Upper

112 100

64 63.0 47.9 71.9

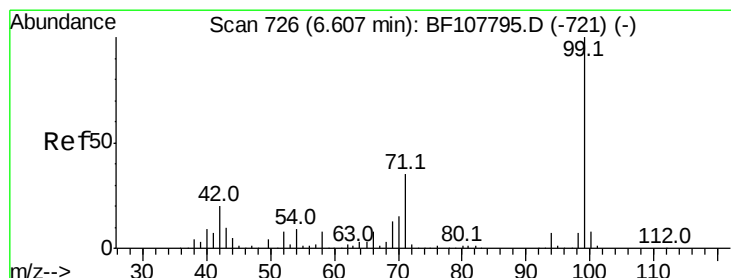
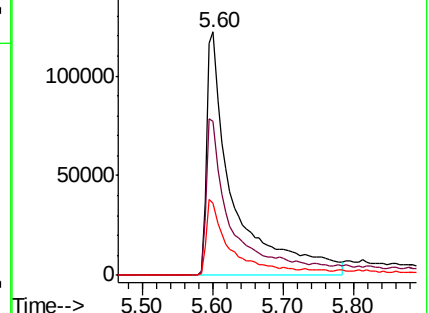
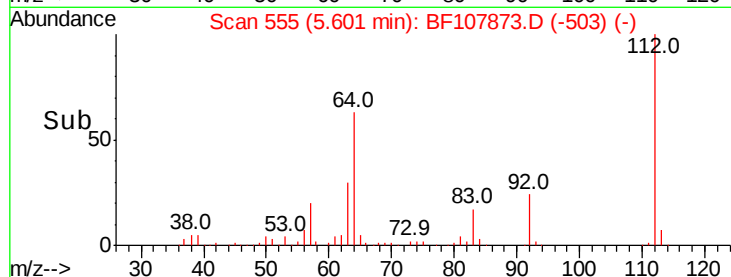
63 29.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 37.721 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF107873.D

Acq: 1 Aug 2018 1:54

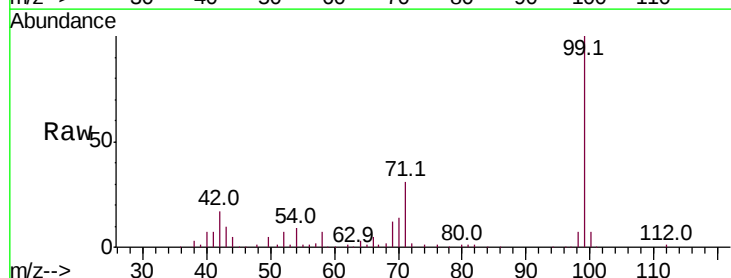
Tgt Ion: 99 Resp: 416766

Ion Ratio Lower Upper

99 100

42 17.1 14.5 21.7

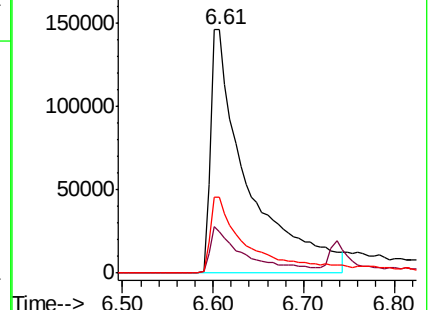
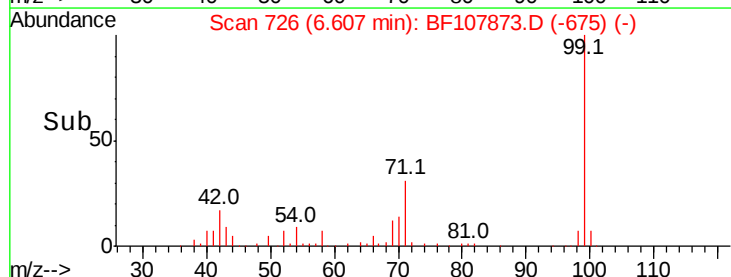
71 31.4 25.4 38.0

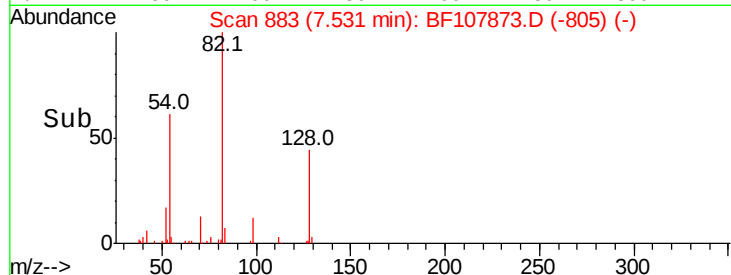
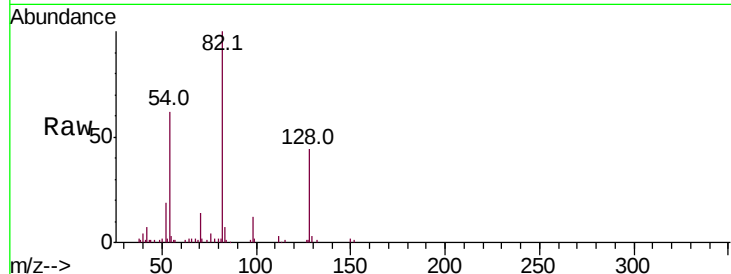
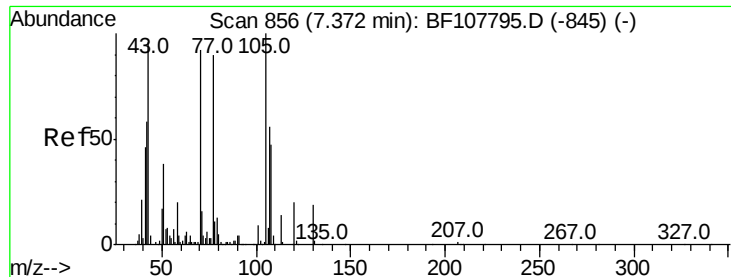


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

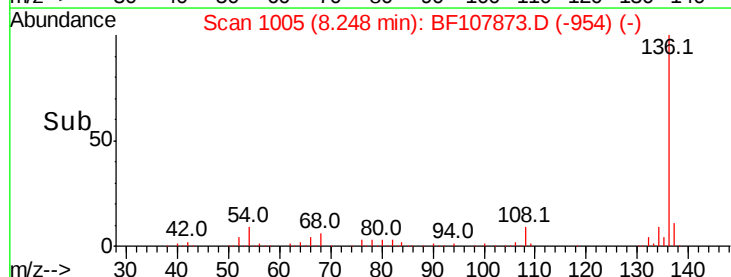
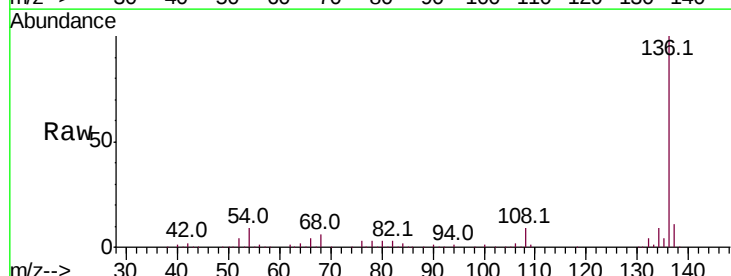
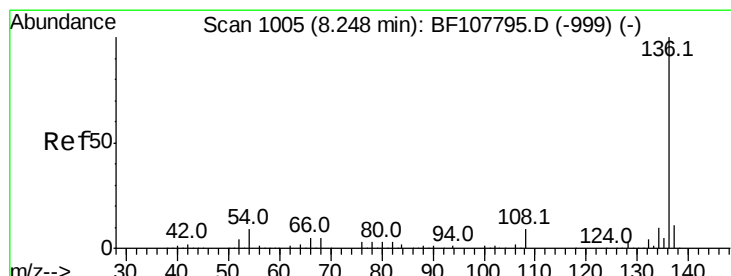
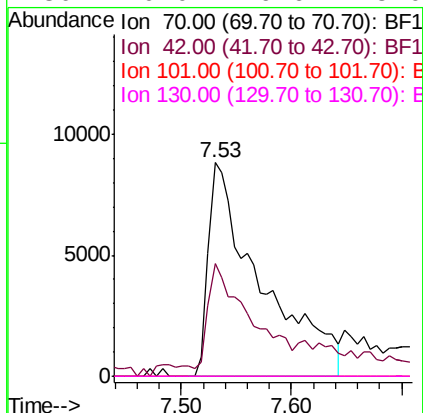




#19
n-Nitroso-di-n-propylamine
Concen: 4.134 ng
RT: 7.53 min Scan# 883
Delta R.T. 0.16 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

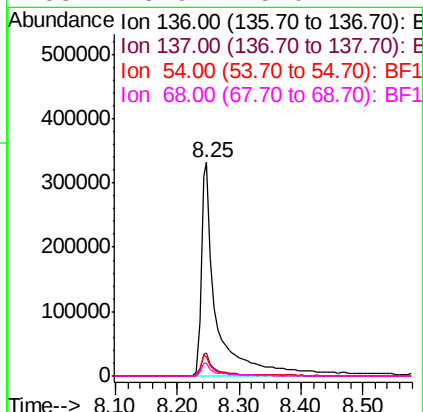
Instrument :
BNA_F
ClientSampleId :

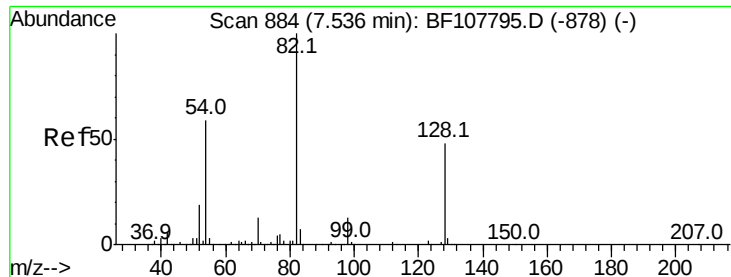
Tot Ion: 70 Resp: 28975
Ion Ratio Lower Upper
70 100
42 52.5 47.5 71.3
101 0.0 7.4 11.2#
130 0.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

Tgt Ion: 136 Resp: 579459
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 9.2 6.6 9.8
68 5.9 5.0 7.4

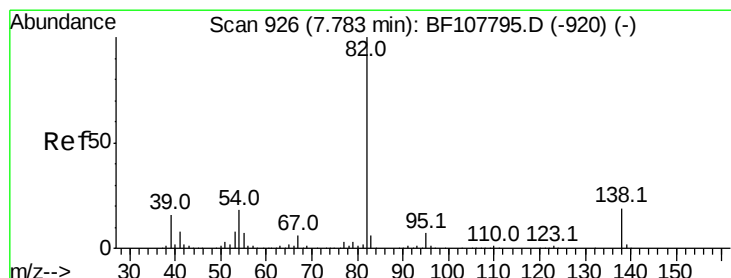
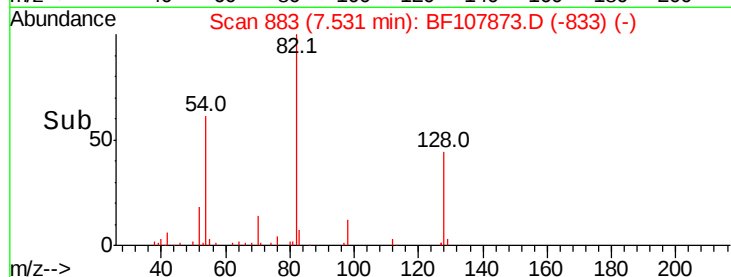
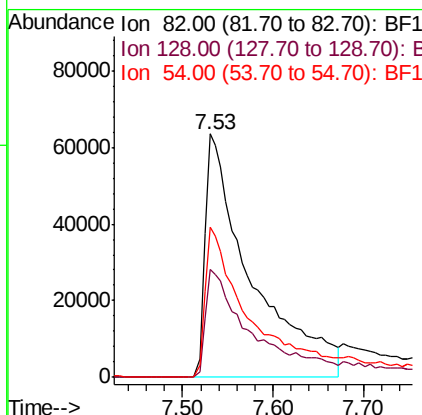
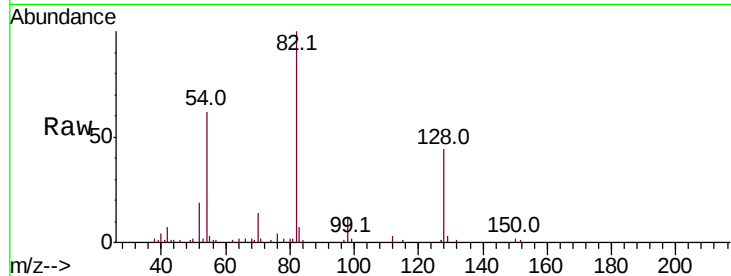




#23
 Nitrobenzene-d5
 Concen: 22.404 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF107873.D
 Acq: 1 Aug 2018 1:54

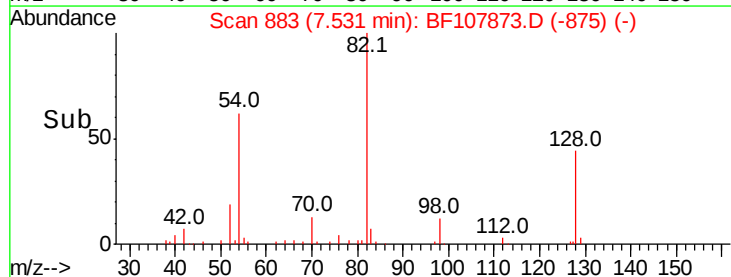
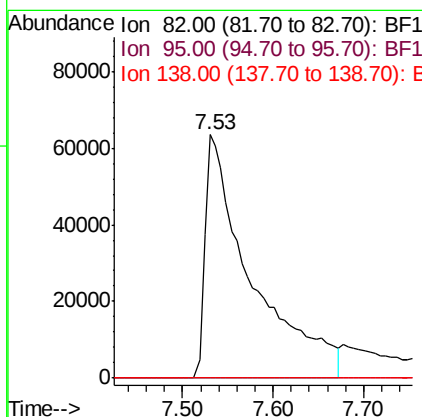
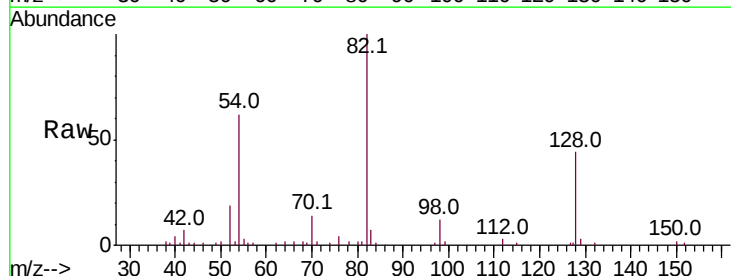
Instrument :
 BNA_F
 ClientSampleId :

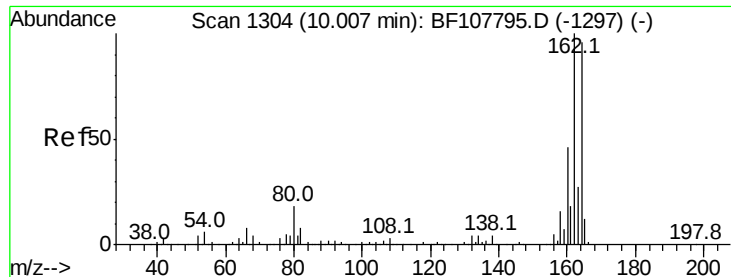
Tot Ion	82	Resp	225350
Ion Ratio	Lower	Upper	
82	100		
128	44.2	36.1	54.1
54	61.5	41.4	62.2



#25
 Isophorone
 Concen: 13.649 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.25 min
 Lab File: BF107873.D
 Acq: 1 Aug 2018 1:54

Tgt Ion	82	Resp	225350
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

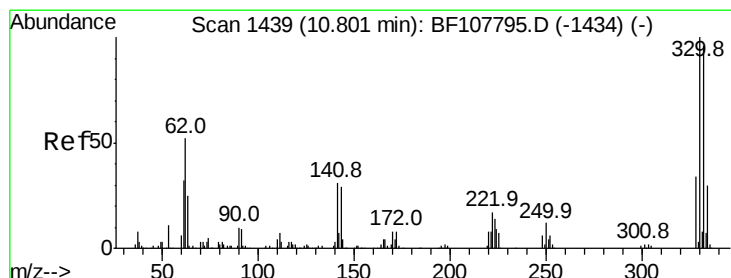
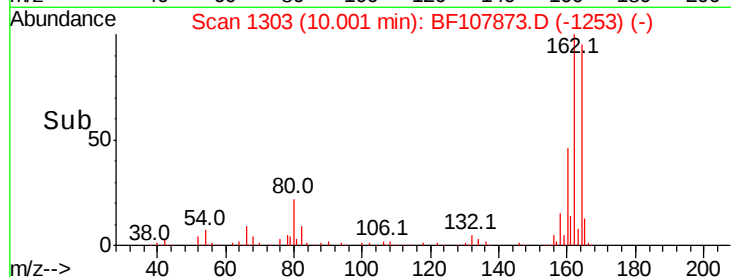
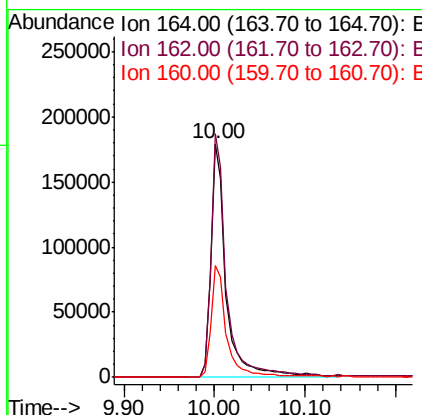
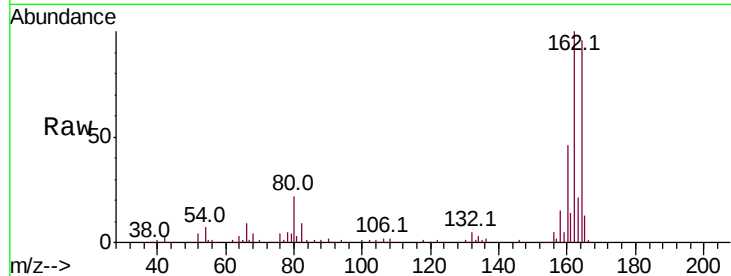




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF107873.D
 Acq: 1 Aug 2018 1:54

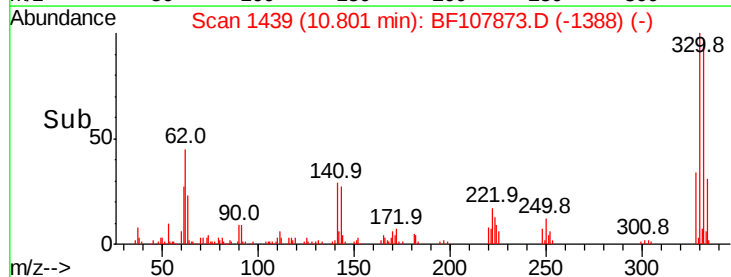
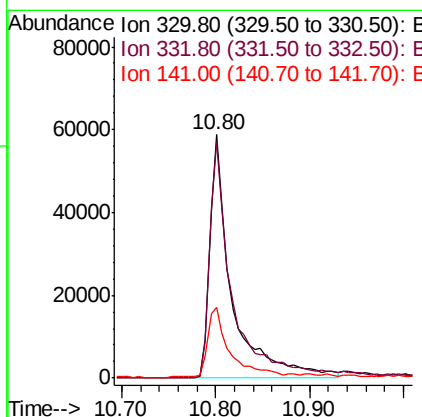
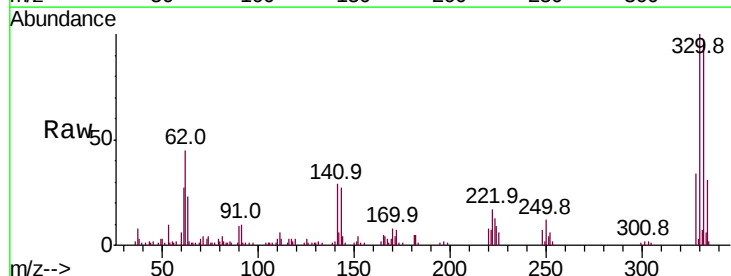
Instrument :
 BNA_F
 ClientSampled :

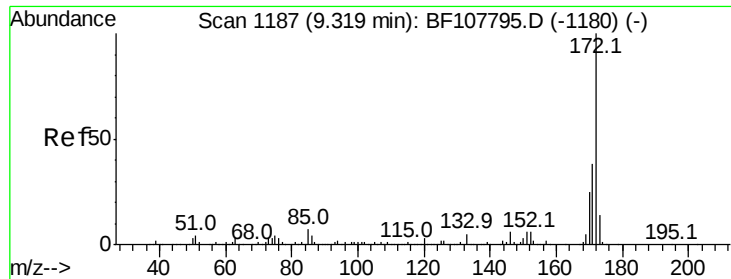
Tot Ion	Ratio	Lower	Upper
164	100		
162	104.1	86.1	129.1
160	47.5	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 33.394 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: BF107873.D
 Acq: 1 Aug 2018 1:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	28.4	29.9	44.9#

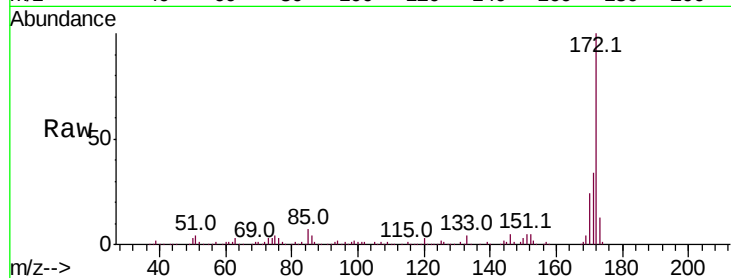




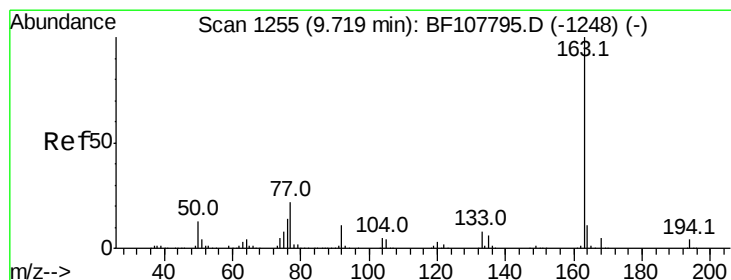
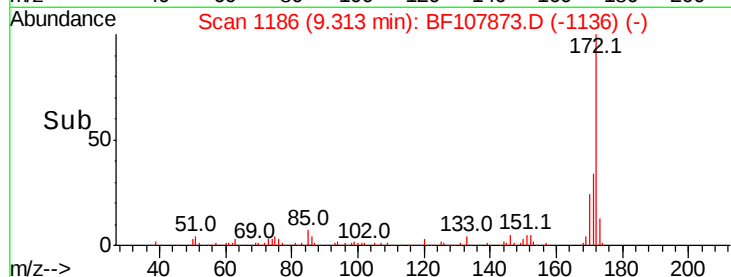
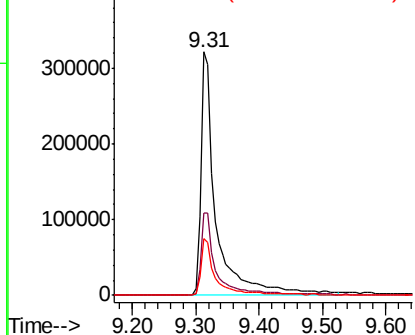
#44
2-Fluorobiphenyl
Concen: 34.458 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 530543
Ion Ratio Lower Upper
172 100
171 34.0 29.7 44.5
170 23.5 19.6 29.4

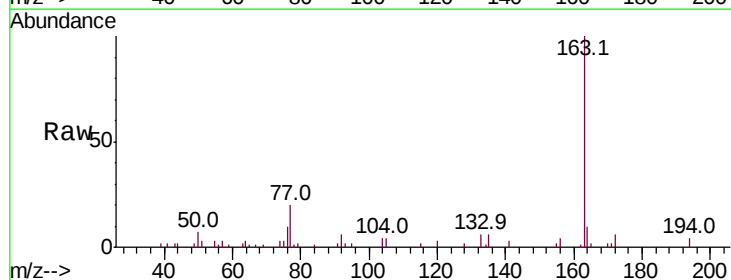


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

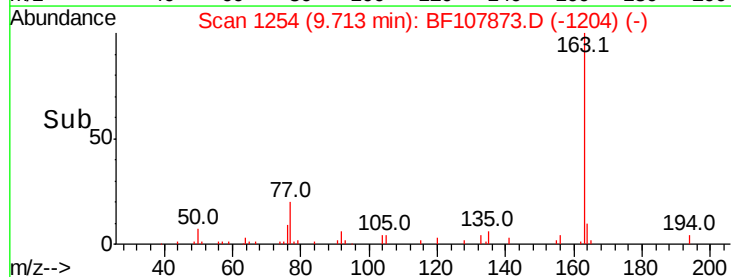
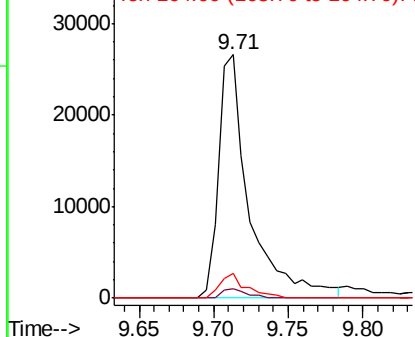


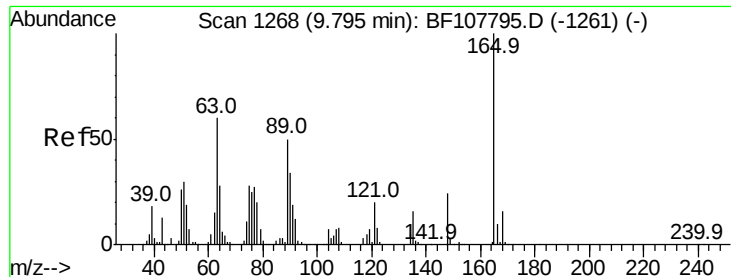
#49
Dimethylphthalate
Concen: 2.392 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

Tgt Ion:163 Resp: 38544
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.3 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

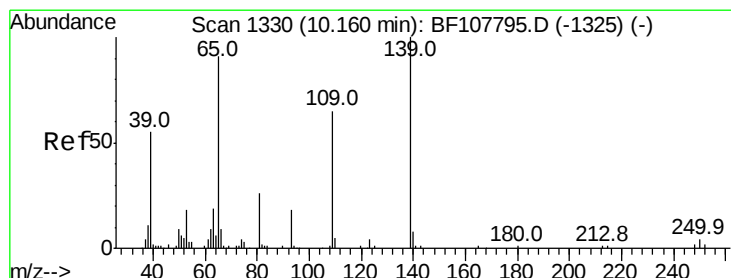
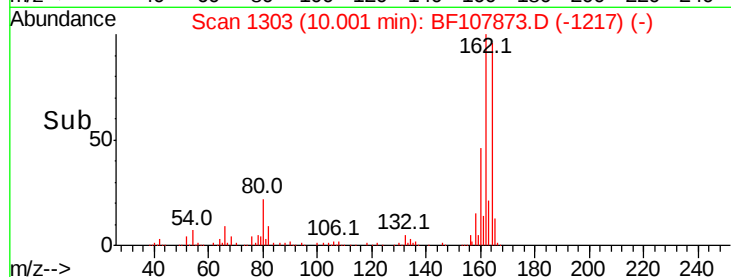
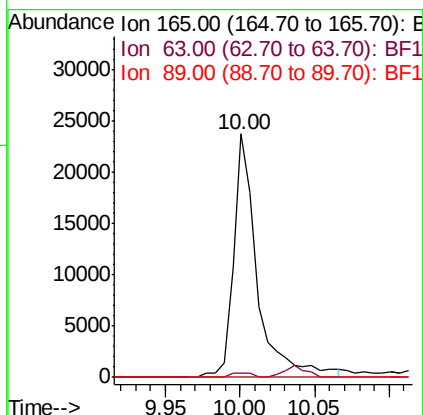
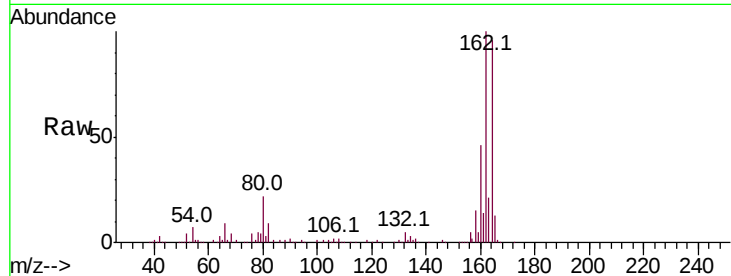




#50
 2,6-Dinitrotoluene
 Concen: 7.601 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. 0.21 min
 Lab File: BF107873.D
 Acq: 1 Aug 2018 1:54

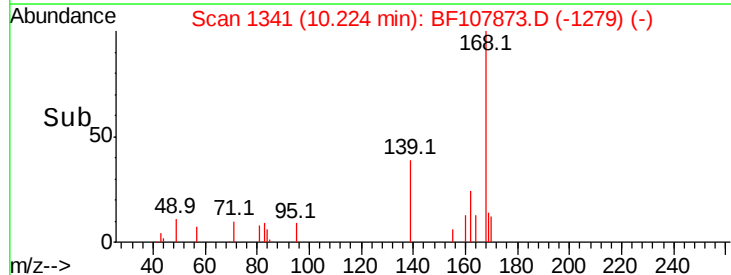
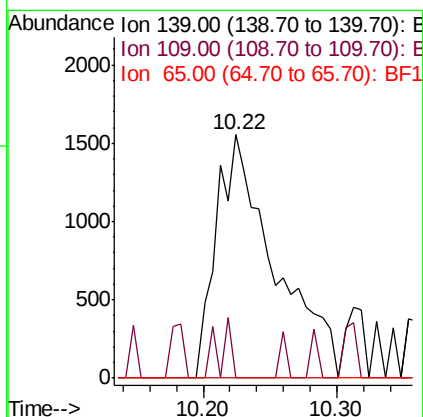
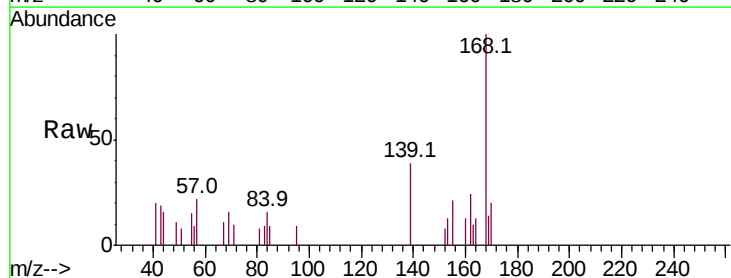
Instrument :
 BNA_F
 ClientSampleId :

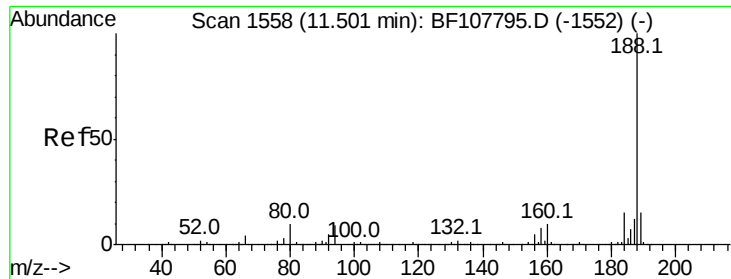
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	0.0	44.0	66.0#



#55
 4-Nitrophenol
 Concen: 11.325 ng
 RT: 10.22 min Scan# 1341
 Delta R.T. 0.07 min
 Lab File: BF107873.D
 Acq: 1 Aug 2018 1:54

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#

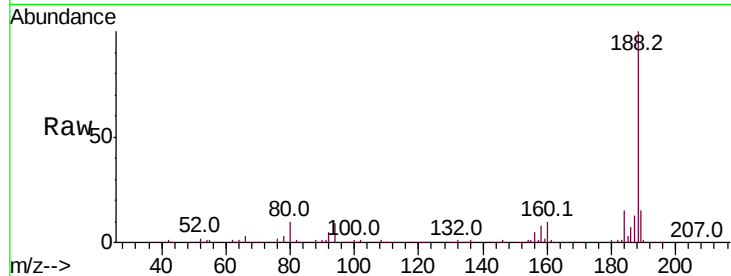




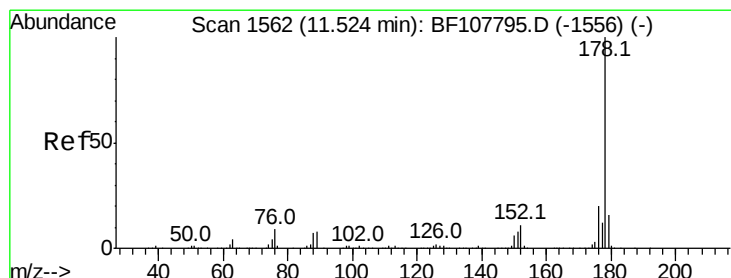
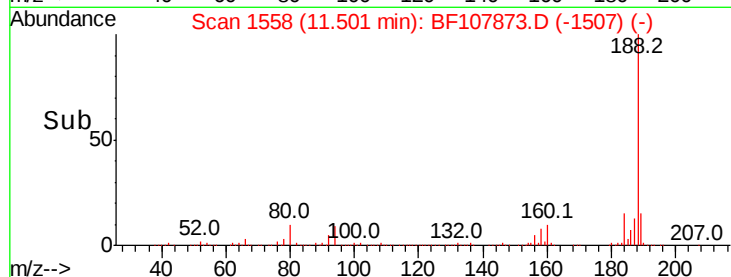
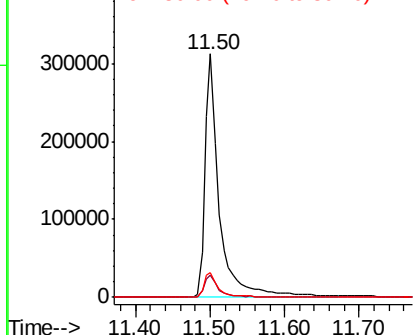
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 422114
Ion Ratio Lower Upper
188 100
94 9.0 8.5 12.7
80 9.9 9.2 13.8

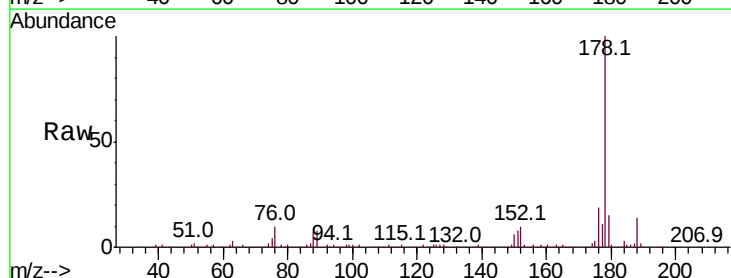


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

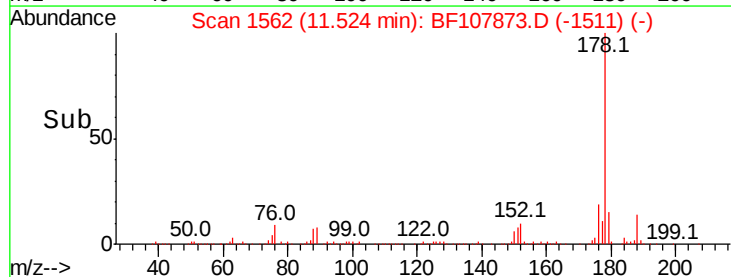
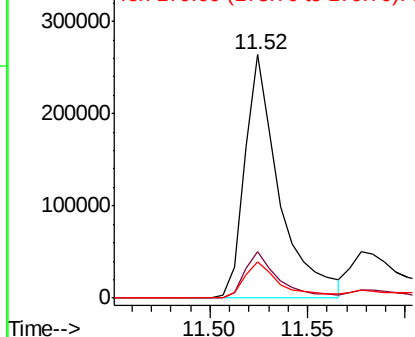


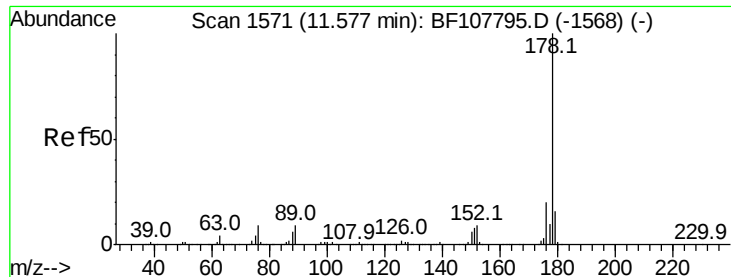
#70
Phenanthrene
Concen: 16.143 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

Tgt Ion:178 Resp: 323555
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 15.0 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: 4.798 ng

RT: 11.58 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF107873.D

Acq: 1 Aug 2018 1:54

Instrument :

BNA_F

ClientSampleId :

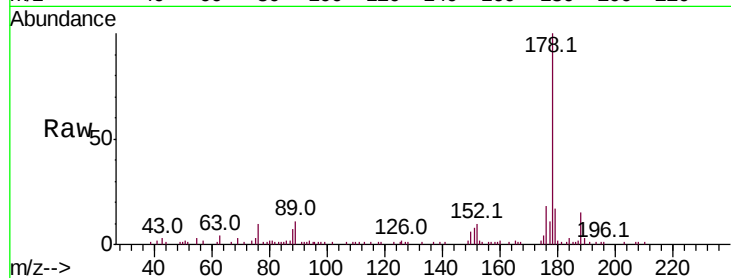
Tot Ion:178 Resp: 110913

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	17.1	12.6	19.0

178 100

176 17.8 15.4 23.2

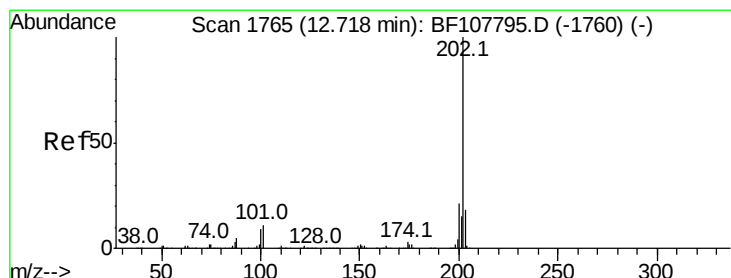
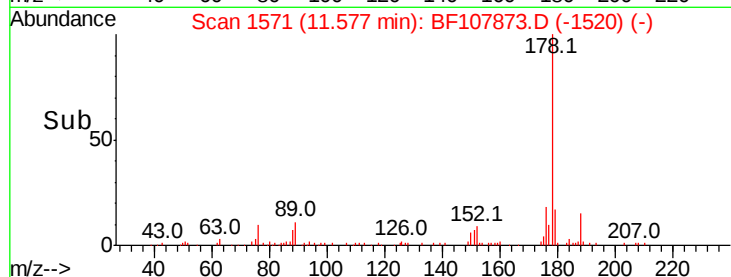
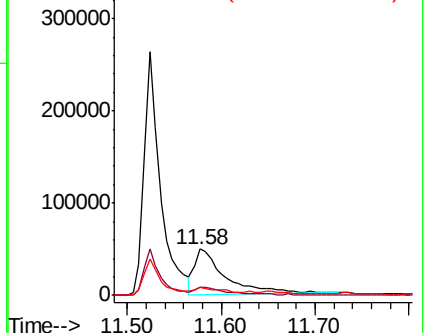
179 17.1 12.6 19.0



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



#74

Fluoranthene

Concen: 21.861 ng

RT: 12.72 min Scan# 1765

Delta R.T. -0.00 min

Lab File: BF107873.D

Acq: 1 Aug 2018 1:54

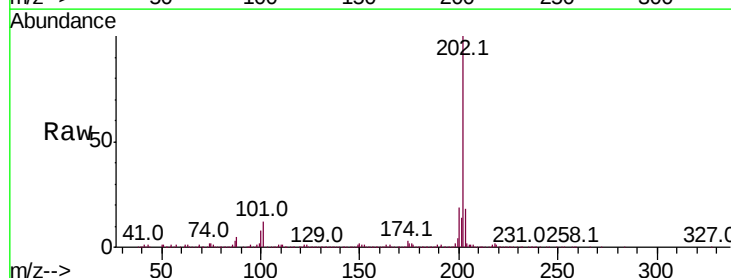
Tgt Ion:202 Resp: 514759

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	34.1
203	17.6	0.0	38.1

202 100

101 11.6 0.0 34.1

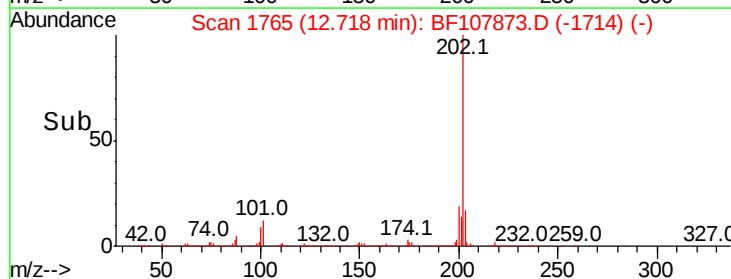
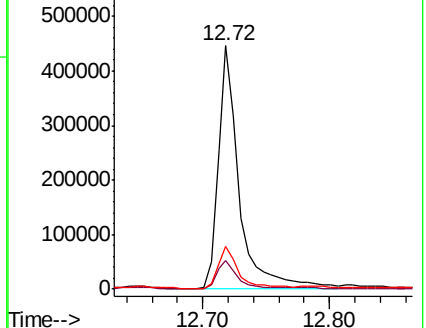
203 17.6 0.0 38.1

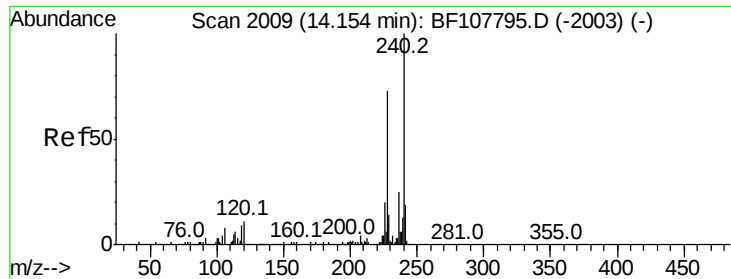


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.15 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BF107873.D

Acq: 1 Aug 2018 1:54

Instrument :

BNA_F

ClientSampleId :

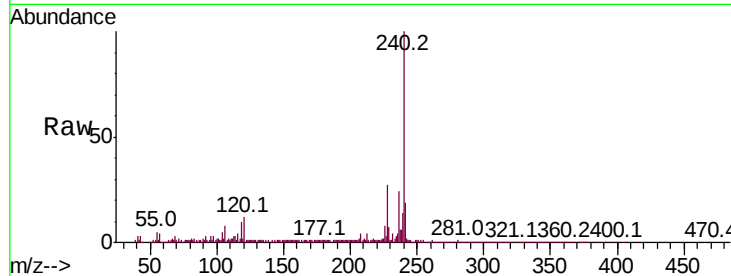
Tot Ion:240 Resp: 367352

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

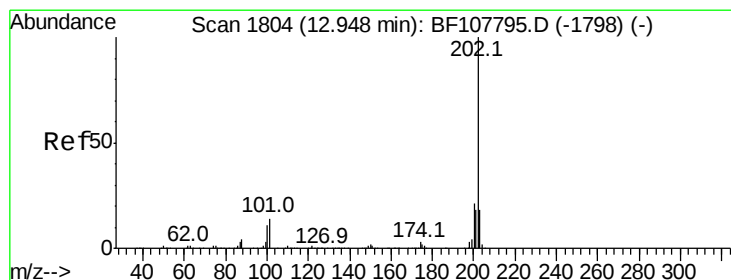
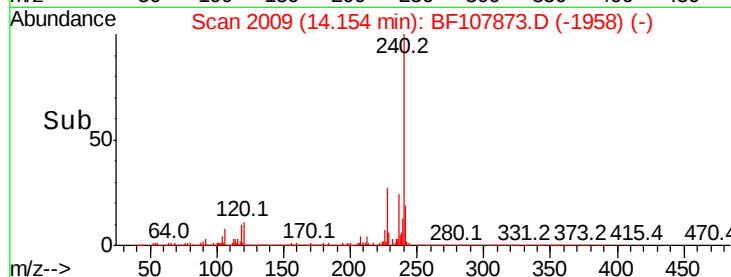
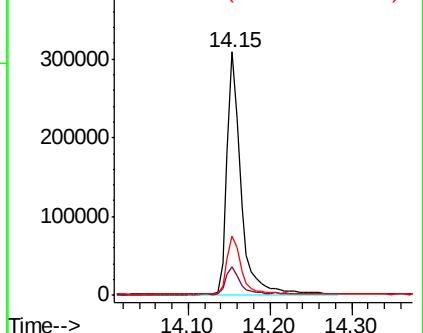
236 24.4 20.7 31.1



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: 19.642 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF107873.D

Acq: 1 Aug 2018 1:54

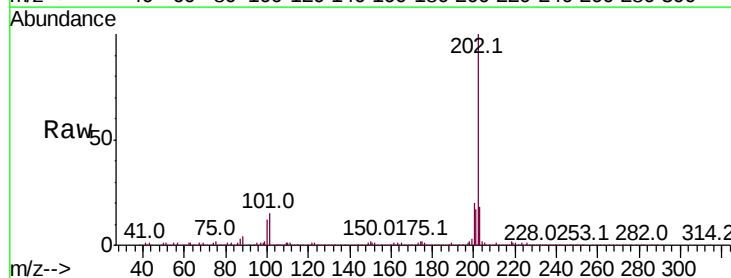
Tgt Ion:202 Resp: 519584

Ion Ratio Lower Upper

202 100

200 19.7 17.4 26.2

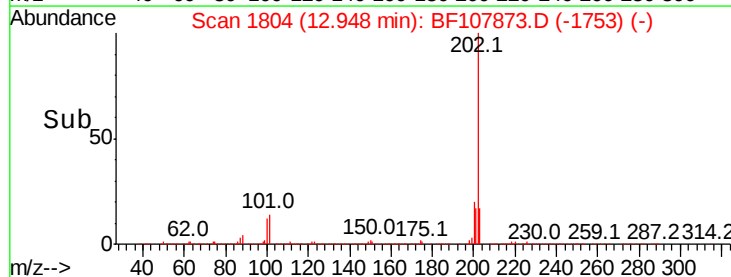
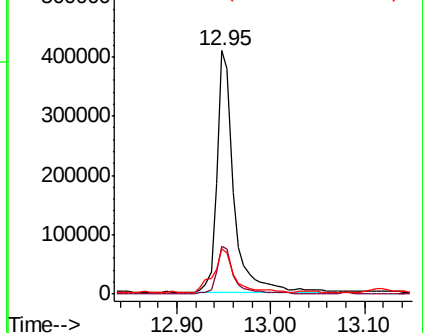
203 18.3 14.3 21.5

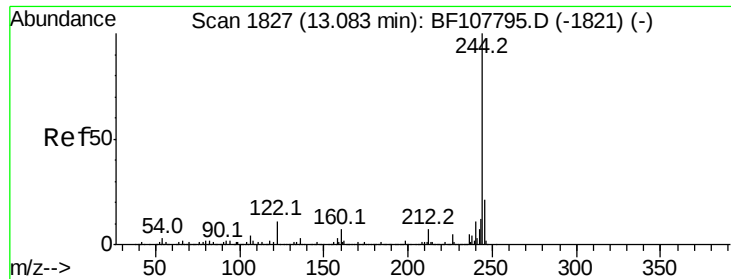


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

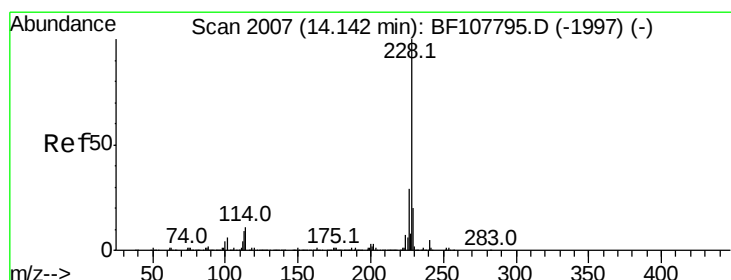
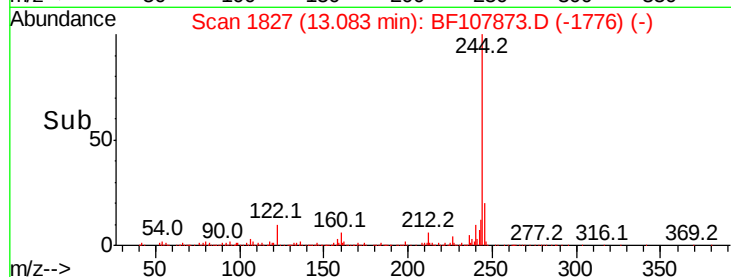
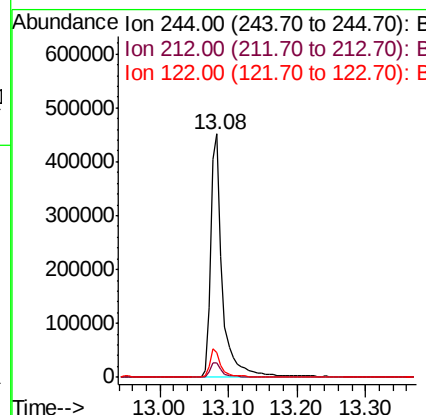
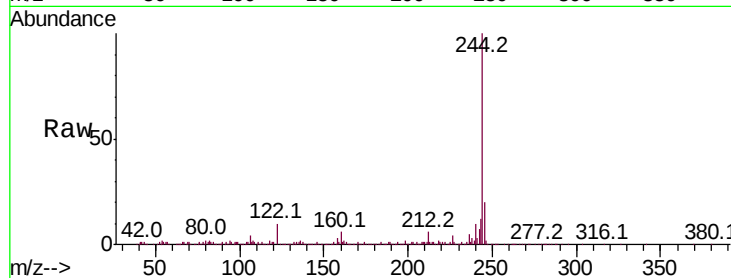




#78
 Terphenyl-d14
 Concen: 32.668 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: BF107873.D
 Acq: 1 Aug 2018 1:54

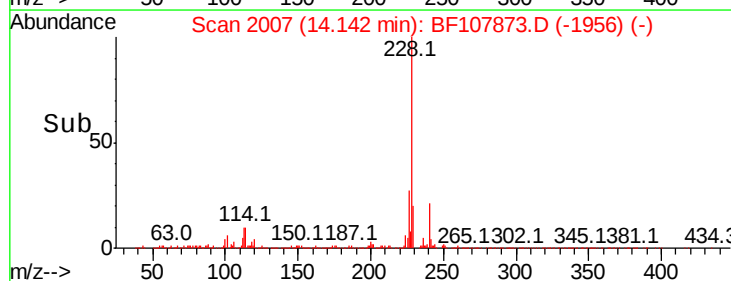
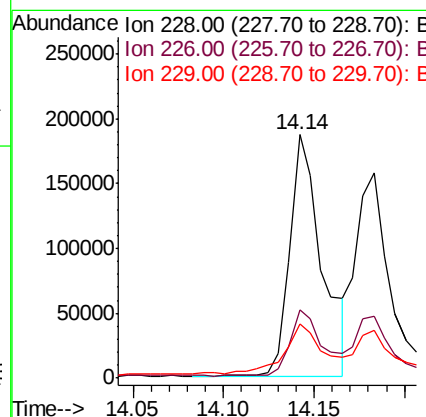
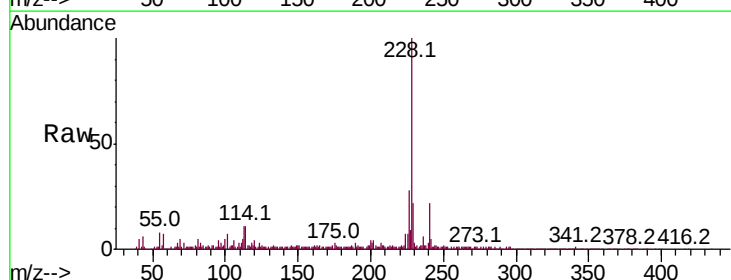
Instrument :
 BNA_F
 ClientSampleId :

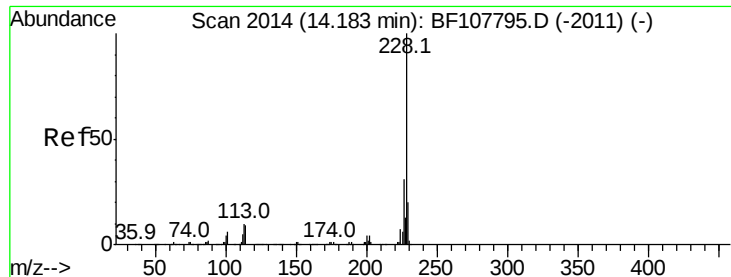
Tot Ion:244 Resp: 553427
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.4 8.0
 122 10.1 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 11.091 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: BF107873.D
 Acq: 1 Aug 2018 1:54

Tgt Ion:228 Resp: 230802
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.6 33.8
 229 22.0 15.8 23.6

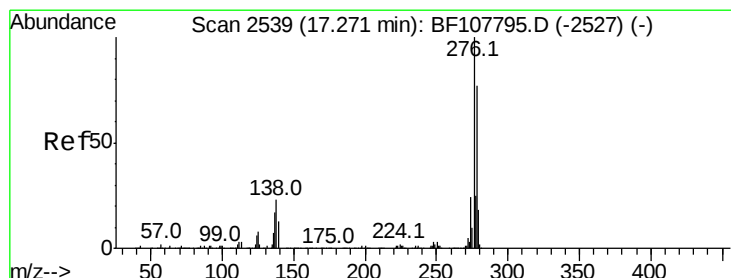
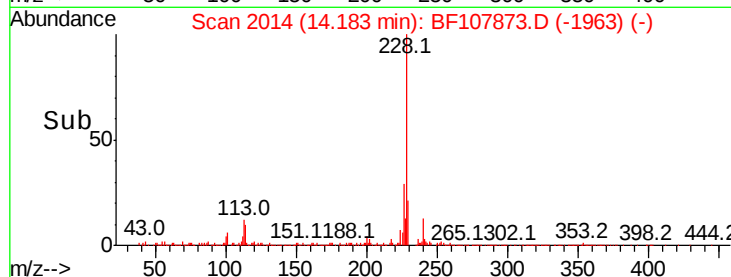
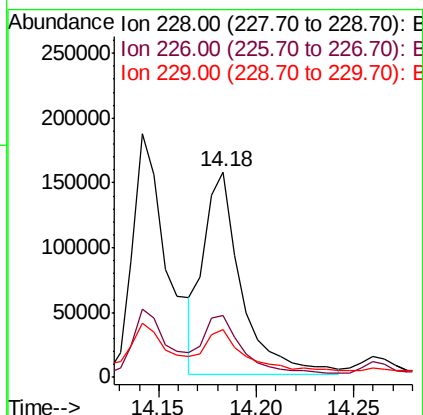
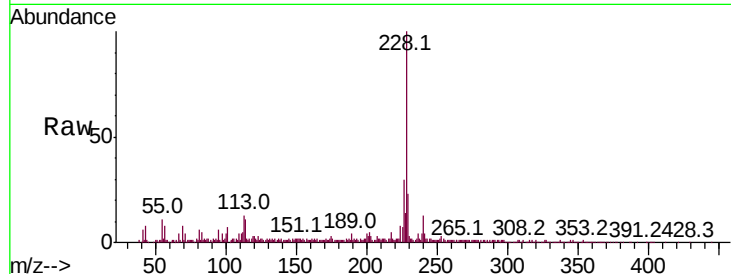




#82
Chrysene
Concen: 9.408 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.00 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

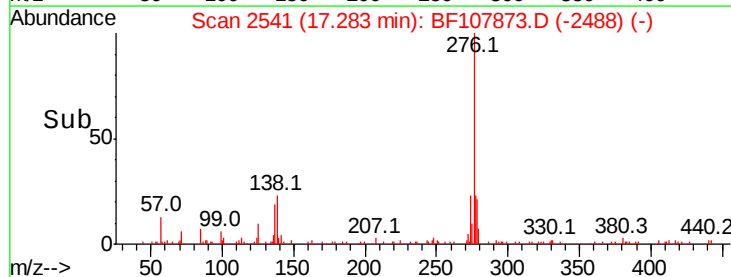
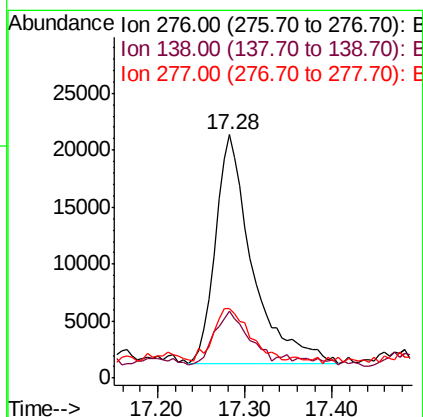
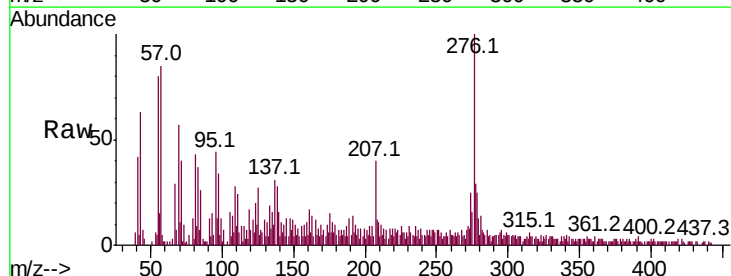
Instrument :
BNA_F
ClientSampleId :

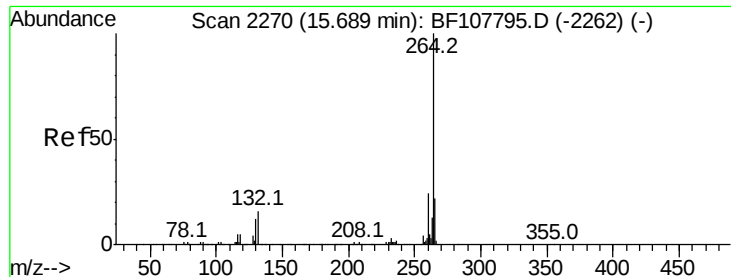
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	23.2	16.2	24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.413 ng
RT: 17.28 min Scan# 2541
Delta R.T. 0.01 min
Lab File: BF107873.D
Acq: 1 Aug 2018 1:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	25.0	37.6#
277	23.4	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2271

Delta R.T. 0.01 min

Lab File: BF107873.D

Acq: 1 Aug 2018 1:54

Instrument :

BNA_F

ClientSampleId :

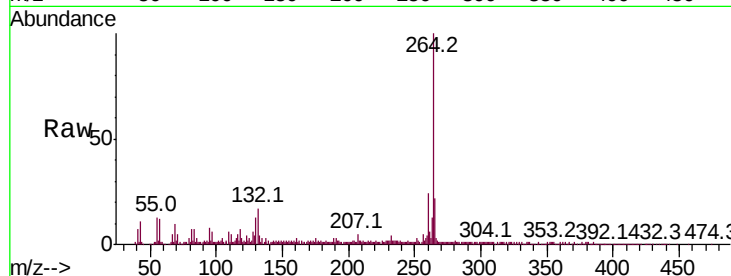
Tot Ion:264 Resp: 266763

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

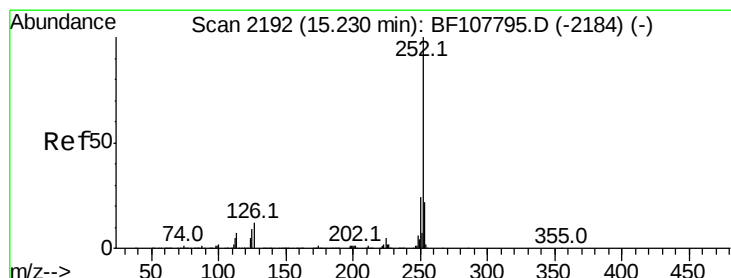
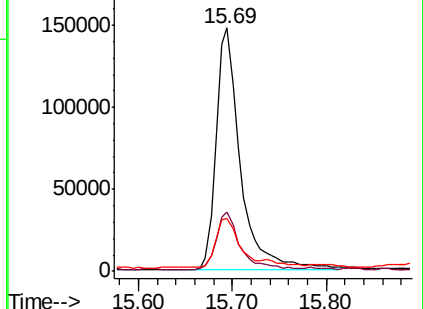
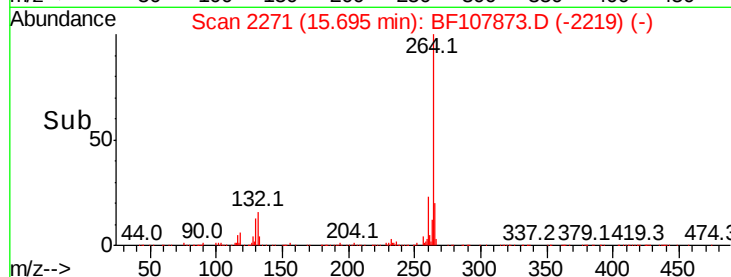
265 21.9 17.5 26.3



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: 15.850 ng

RT: 15.24 min Scan# 2193

Delta R.T. 0.01 min

Lab File: BF107873.D

Acq: 1 Aug 2018 1:54

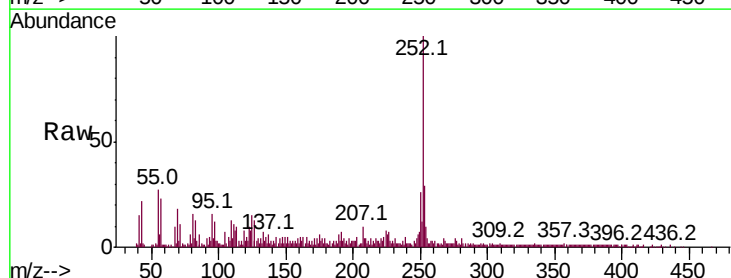
Tgt Ion:252 Resp: 208532

Ion Ratio Lower Upper

252 100

253 28.9 17.0 25.6#

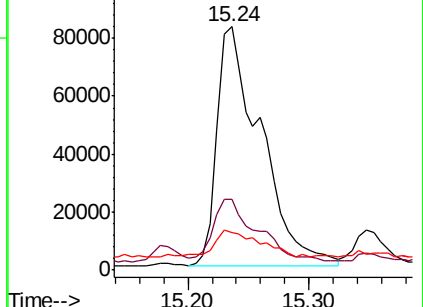
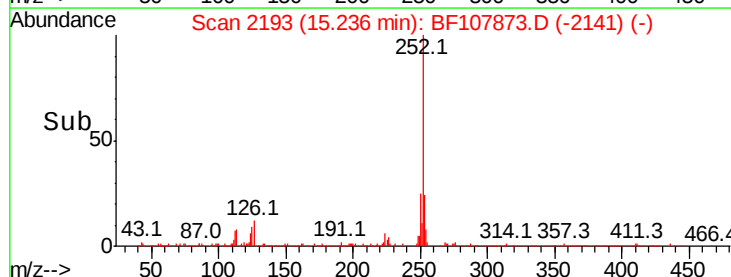
125 15.4 9.0 13.6#

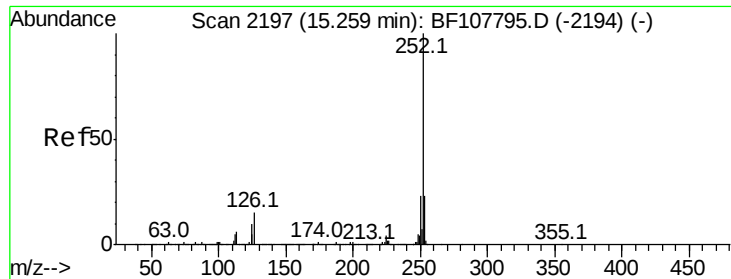


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 12.910 ng

RT: 15.24 min Scan# 2193

Delta R.T. -0.02 min

Lab File: BF107873.D

Acq: 1 Aug 2018 1:54

Instrument :

BNA_F

ClientSampleId :

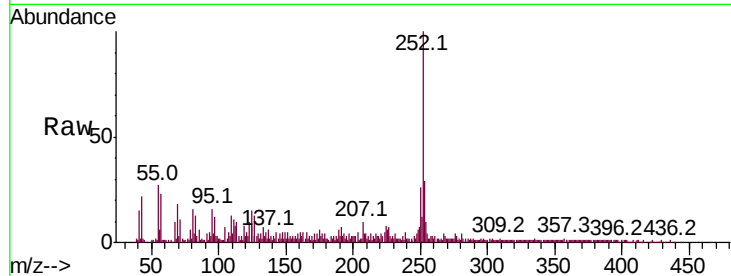
Tot Ion:252 Resp: 208532

Ion Ratio Lower Upper

252 100

253 28.9 17.9 26.9#

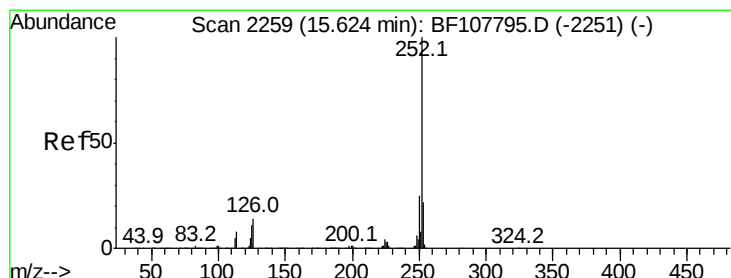
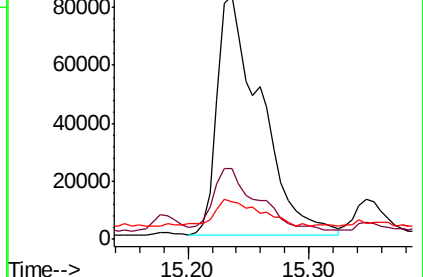
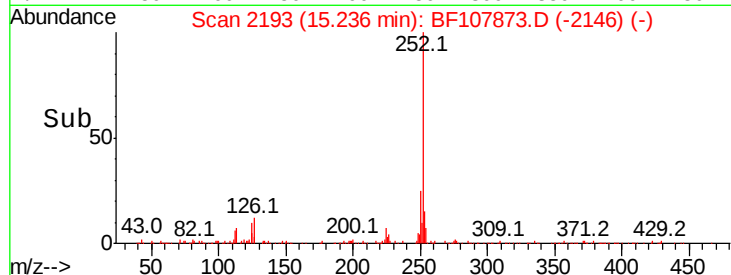
125 15.4 10.2 15.2#



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: 7.847 ng

RT: 15.63 min Scan# 2260

Delta R.T. 0.01 min

Lab File: BF107873.D

Acq: 1 Aug 2018 1:54

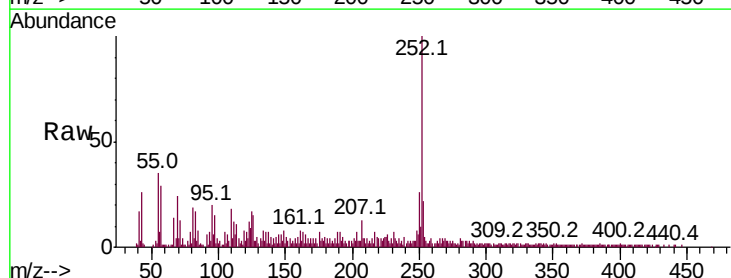
Tgt Ion:252 Resp: 106580

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

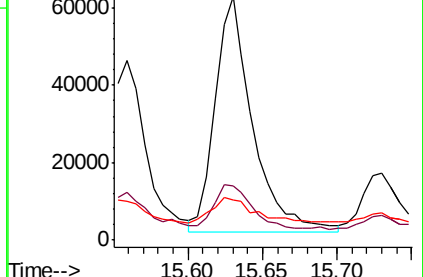
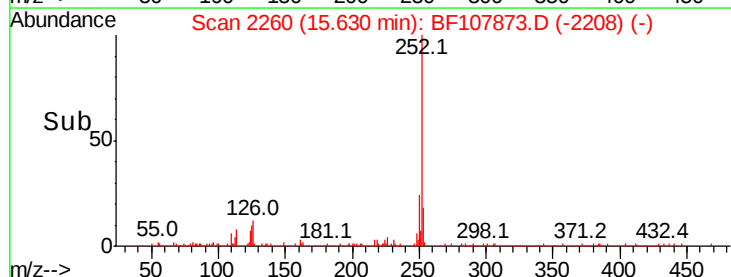
125 16.7 9.8 14.6#

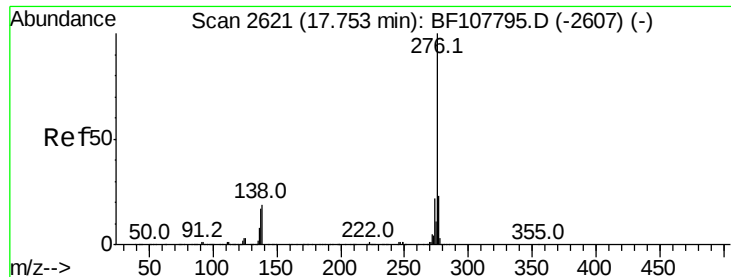


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 5.025 ng

RT: 17.77 min Scan# 2623

Delta R.T. 0.01 min

Lab File: BF107873.D

Acq: 1 Aug 2018 1:54

Instrument :

BNA_F

ClientSampleId :

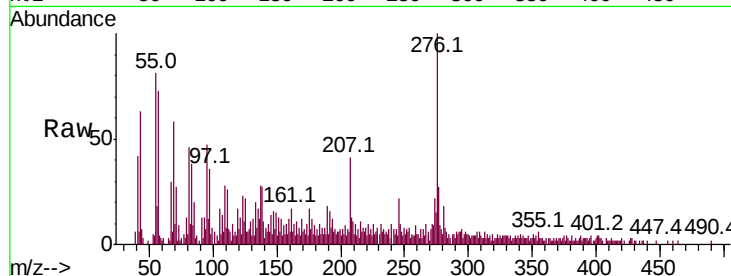
Tot Ion:276 Resp: 57605

Ion Ratio Lower Upper

276 100

277 27.5 17.9 26.9#

138 26.8 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

