

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030119\
 Data File : BF112796.D
 Acq On : 1 Mar 2019 13:37
 Operator : JU/SJ
 Sample : K1652-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-DAY-1

Quant Time: Mar 01 21:56:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	196461	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	734244	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	316231	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	518070	20.00	ng	0.00
76) Chrysene-d12	13.87	240	419211	20.00	ng	0.00
87) Perylene-d12	15.28	264	477054	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	1047972	82.98	ng	0.01
7) Phenol-d6	6.37	99	1360759	85.77	ng	0.00
23) Nitrobenzene-d5	7.30	82	825977	67.31	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	315740	94.05	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1371090	68.19	ng	0.00
79) Terphenyl-d14	12.83	244	1025005	47.40	ng	0.00

Target Compounds

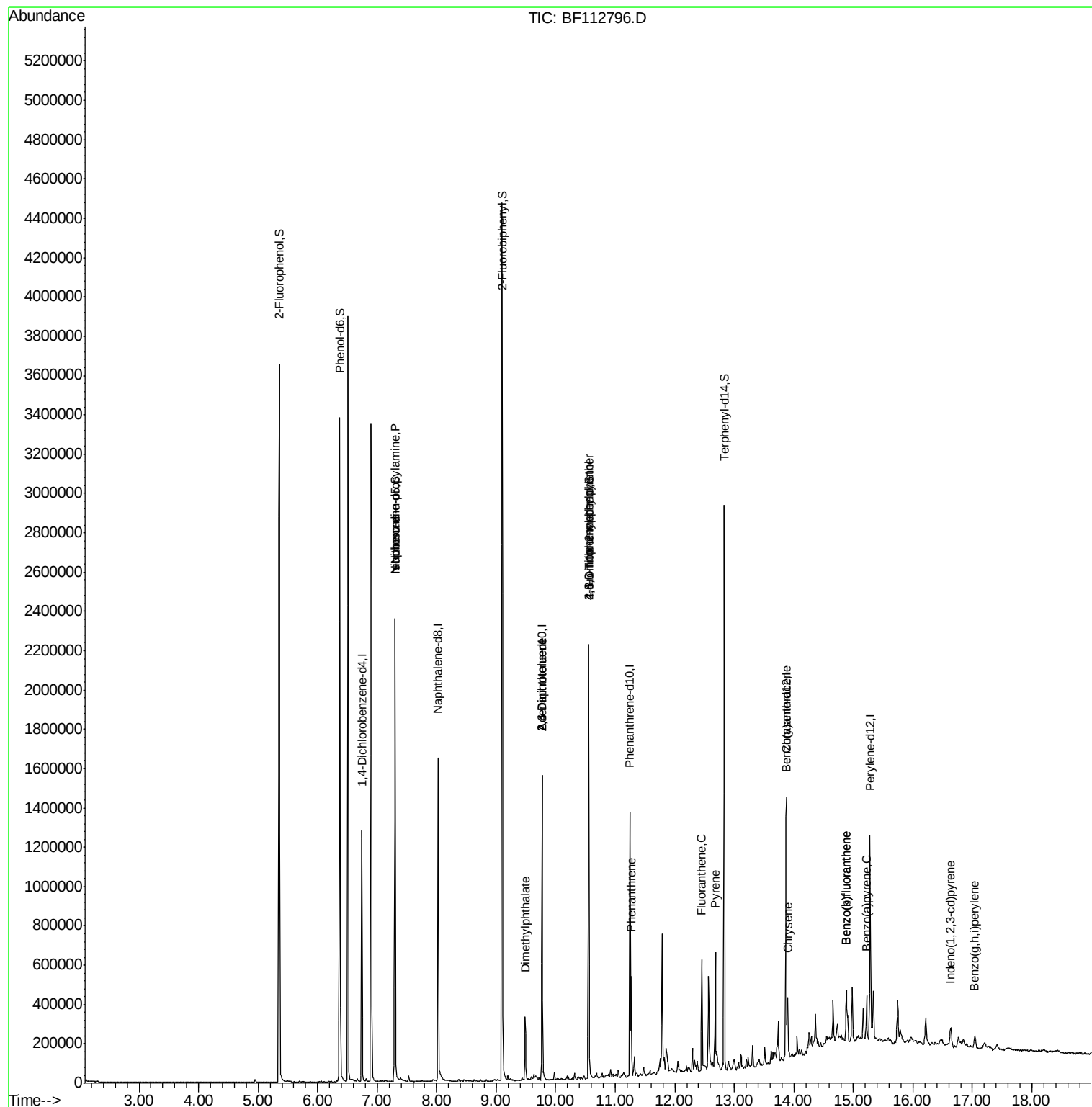
						Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	109776	10.925	ng	# 78
25) Isophorone	7.30	82	816504	30.887	ng	# 66
50) Dimethylphthalate	9.49	163	128147	5.496	ng	98
51) 2,6-Dinitrotoluene	9.77	165	40526	8.346	ng	# 18
57) 2,4-Dinitrotoluene	9.77	165	40527	6.715	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.56	198	498	4.824	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	18209	3.337	ng	# 1
71) Phenanthrene	11.27	178	175695	6.816	ng	97
75) Fluoranthene	12.45	202	231813	8.394	ng	97
78) Pyrene	12.68	202	221467	6.267	ng	97
81) Benzo(a)anthracene	13.86	228	122743	4.225	ng	99
83) Chrysene	13.90	228	108278	3.805	ng	97
86) Indeno(1,2,3-cd)pyrene	16.63	276	55960	2.306	ng	95
88) Benzo(b)fluoranthene	14.88	252	182438	5.912	ng	98
89) Benzo(k)fluoranthene	14.88	252	182438	6.527	ng	98
90) Benzo(a)pyrene	15.22	252	98984	3.627	ng	99
92) Benzo(g,h,i)perylene	17.04	276	52645	2.251	ng	95

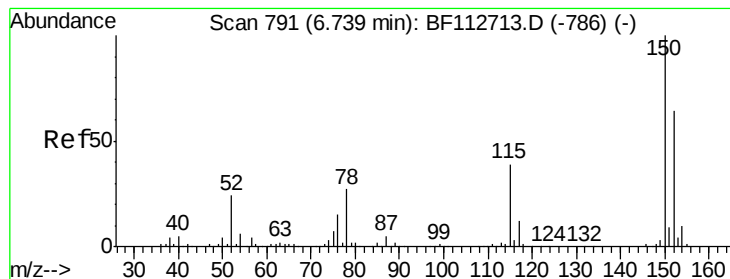
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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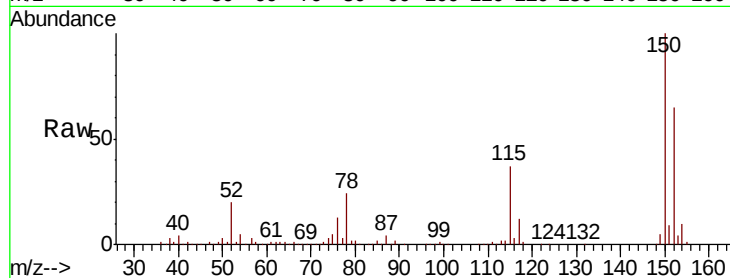




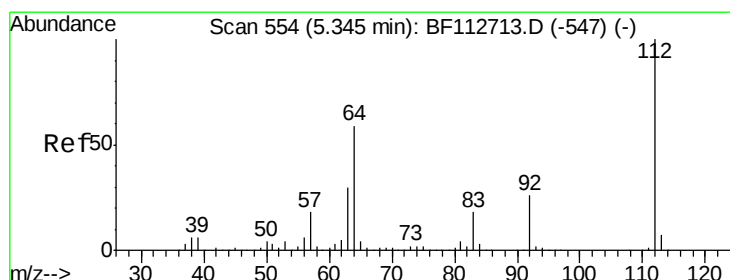
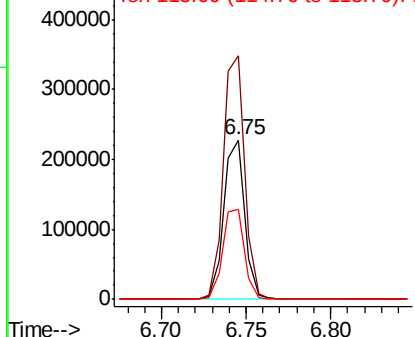
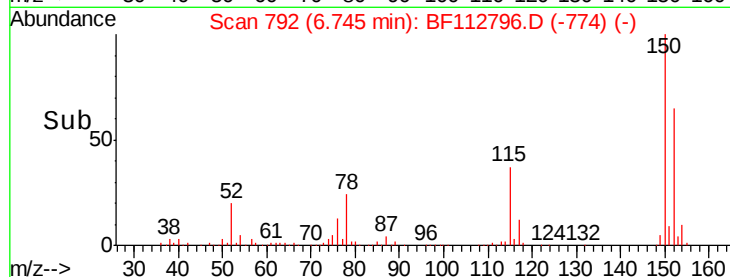
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: BF112796.D
 Acq: 1 Mar 2019 13:37

Instrument :
 BNA_F
 ClientSampleId :
 COMP-DAY-1

Tgt Ion:152 Resp: 196461
 Ion Ratio Lower Upper
 152 100
 150 152.9 124.2 186.2
 115 56.5 48.2 72.4

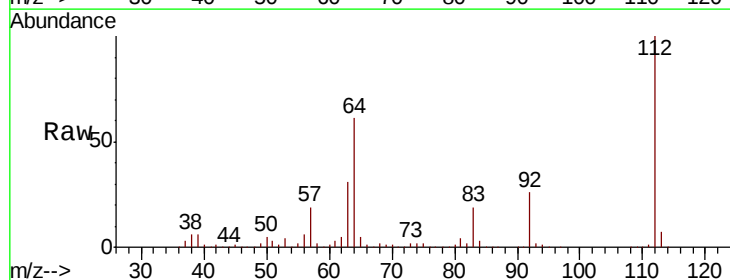


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

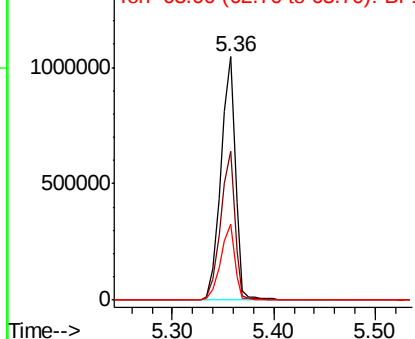
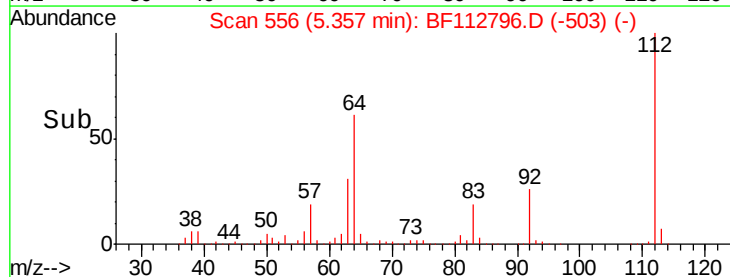


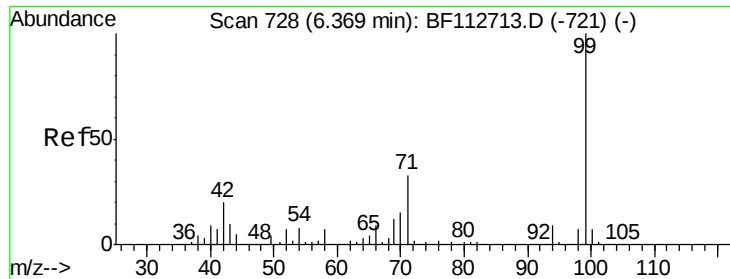
#5
 2-Fluorophenol
 Concen: 82.977 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF112796.D
 Acq: 1 Mar 2019 13:37

Tgt Ion:112 Resp: 1047972
 Ion Ratio Lower Upper
 112 100
 64 61.1 47.6 71.4
 63 31.1 24.4 36.6



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: 85.771 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112796.D

Acq: 1 Mar 2019 13:37

Instrument :

BNA_F

ClientSampleId :

COMP-DAY-1

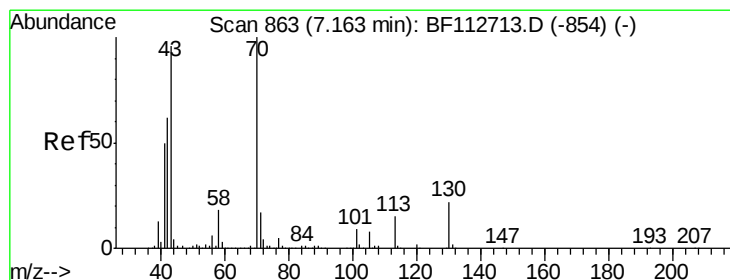
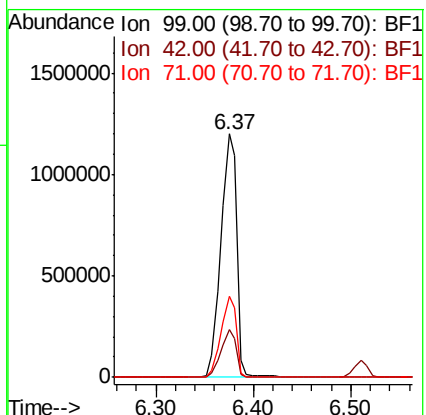
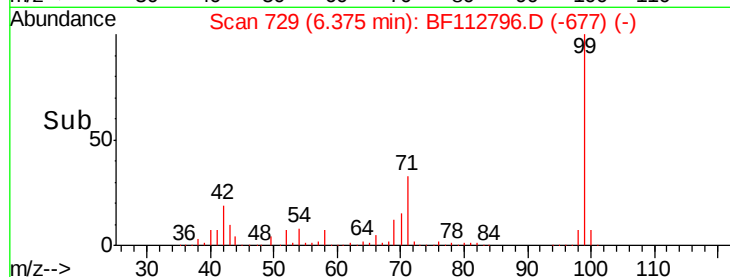
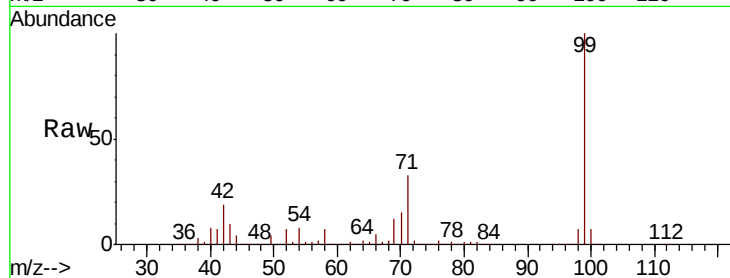
Tgt Ion: 99 Resp: 1360759

Ion Ratio Lower Upper

99 100

42 19.5 16.3 24.5

71 33.1 26.2 39.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.925 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF112796.D

Acq: 1 Mar 2019 13:37

Tgt Ion: 70 Resp: 109776

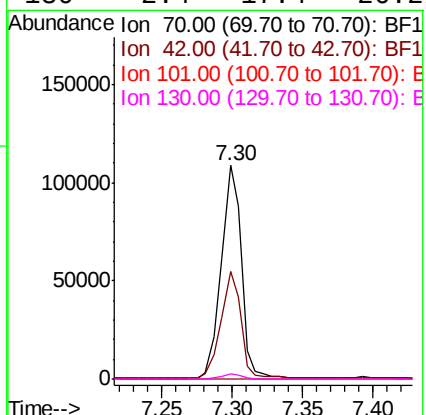
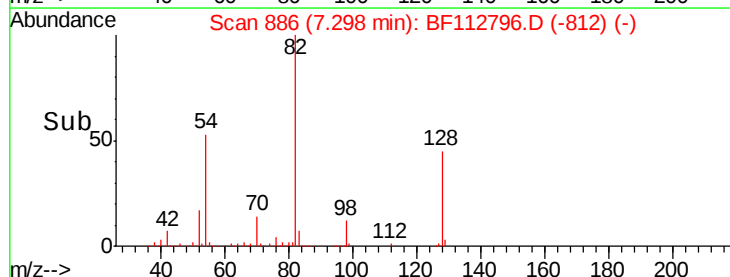
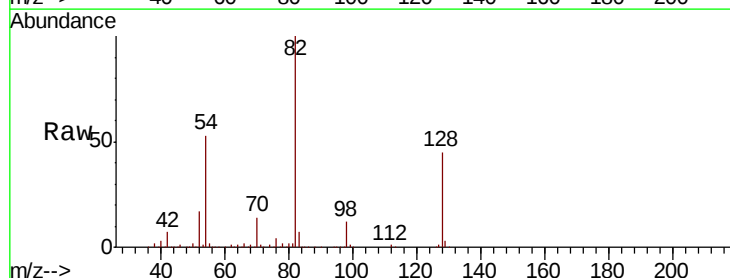
Ion Ratio Lower Upper

70 100

42 50.6 49.9 74.9

101 0.0 7.4 11.2#

130 2.4 17.4 26.2#

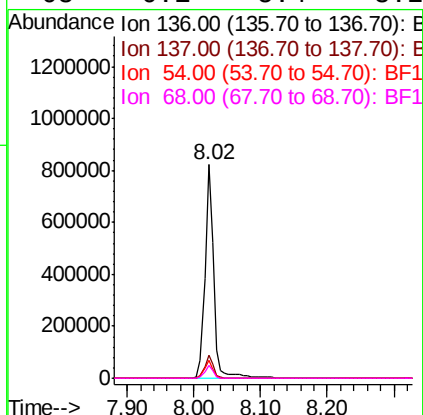
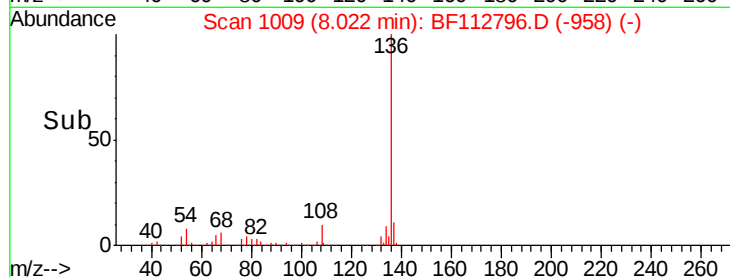
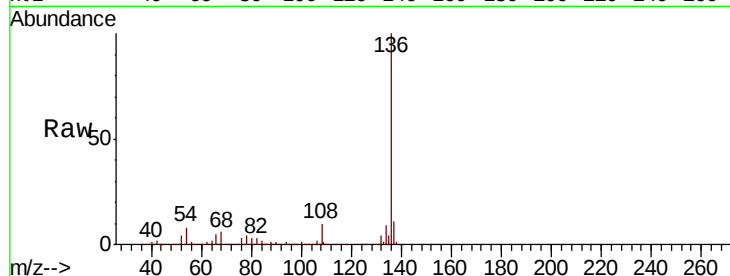




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF112796.D
Acq: 1 Mar 2019 13:37

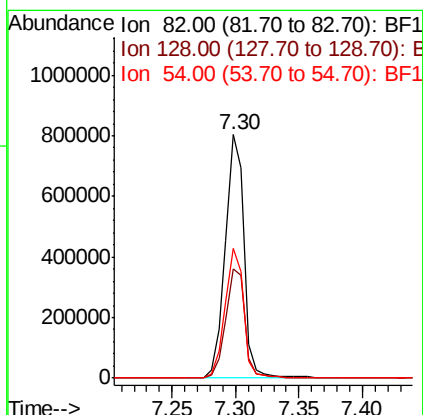
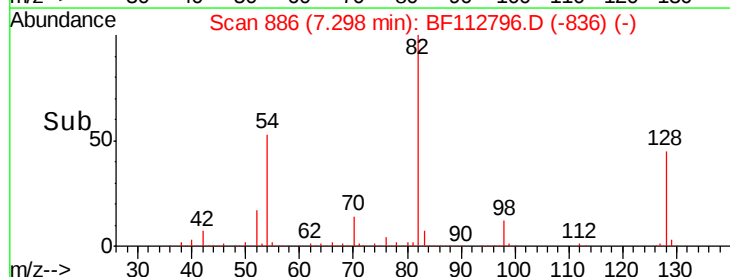
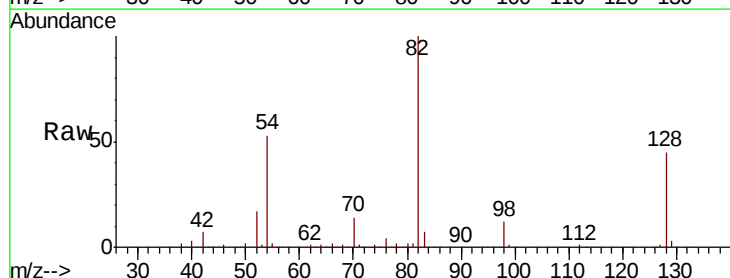
Instrument :
BNA_F
ClientSampleId :
COMP-DAY-1

Tgt Ion:	136	Resp:	734244
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.5	7.3	10.9
68	6.1	5.4	8.2



#23
Nitrobenzene-d5
Concen: 67.314 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112796.D
Acq: 1 Mar 2019 13:37

Tgt Ion:	82	Resp:	825977
Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.3	54.5
54	53.4	43.7	65.5

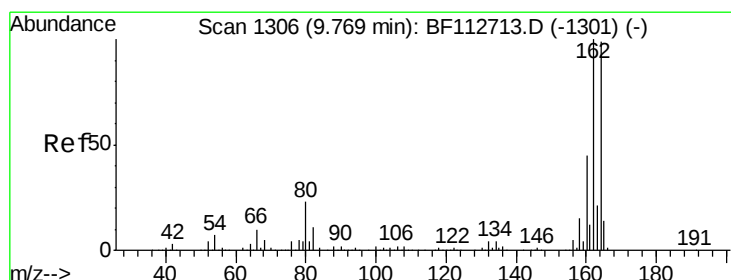
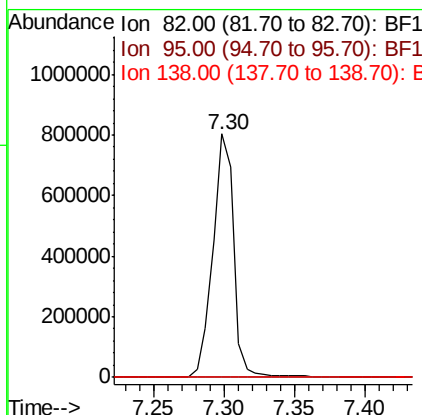
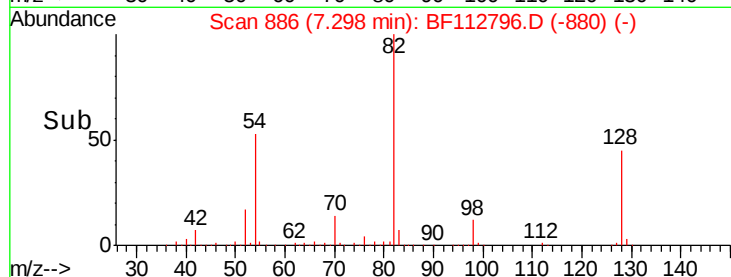
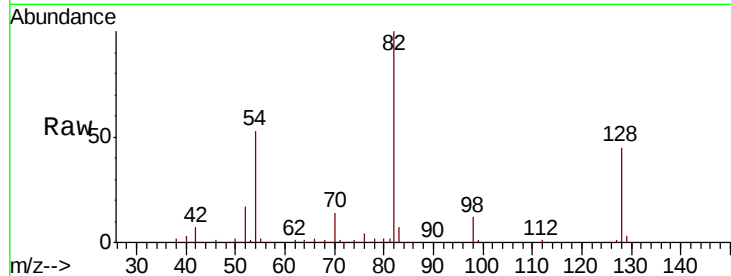




#25
Isophorone
Concen: 30.887 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF112796.D
Acq: 1 Mar 2019 13:37

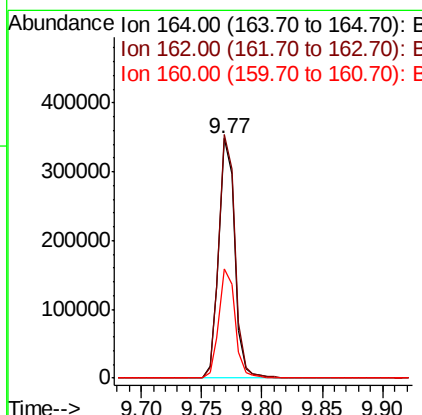
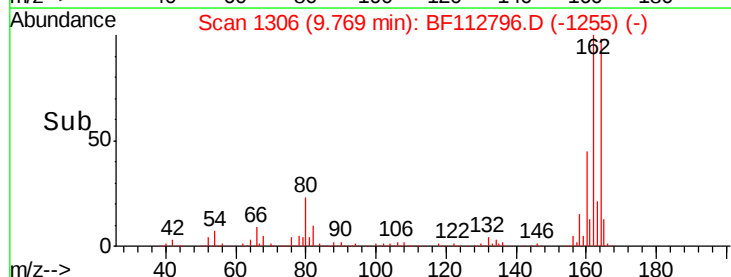
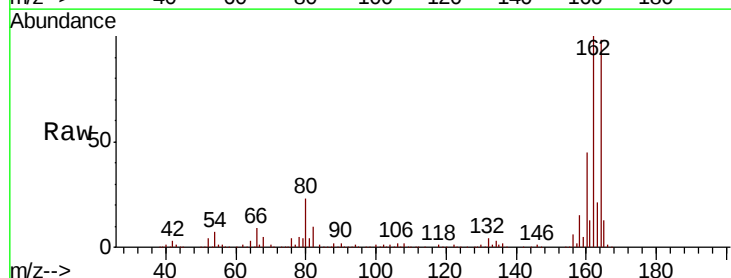
Instrument :
BNA_F
ClientSampled :
COMP-DAY-1

Tgt Ion: 82 Resp: 816504
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF112796.D
Acq: 1 Mar 2019 13:37

Tgt Ion: 164 Resp: 316231
Ion Ratio Lower Upper
164 100
162 101.7 80.6 120.8
160 45.7 36.0 54.0

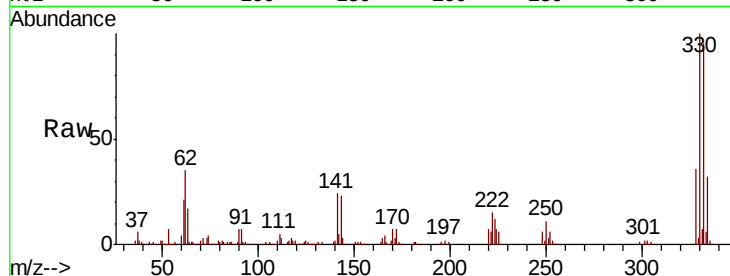




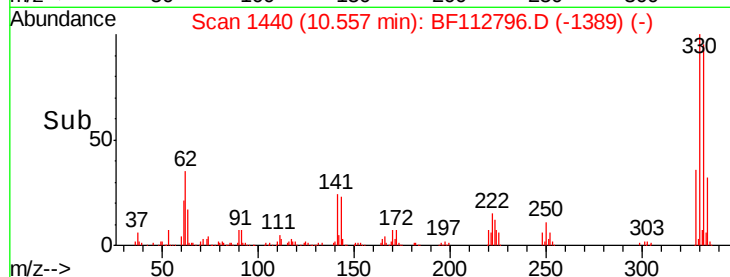
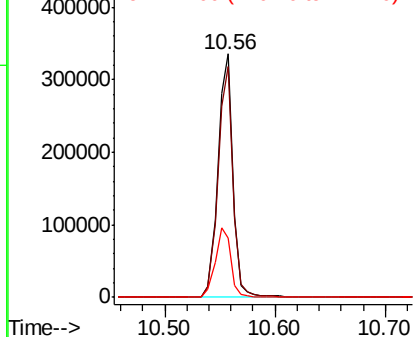
#42
 2,4,6-Tribromophenol
 Concen: 94.049 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112796.D
 Acq: 1 Mar 2019 13:37

Instrument :
 BNA_F
 ClientSampleId :
 COMP-DAY-1

Tgt Ion:330 Resp: 315740
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.2 114.4
 141 29.6 27.0 40.6

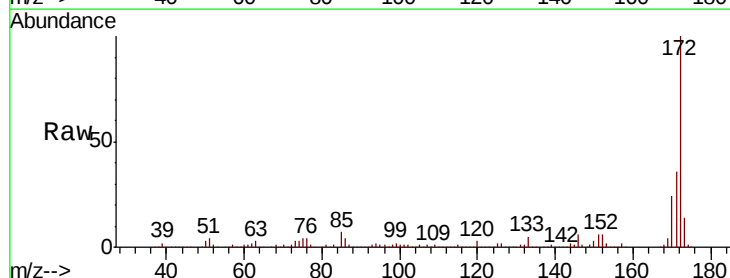


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

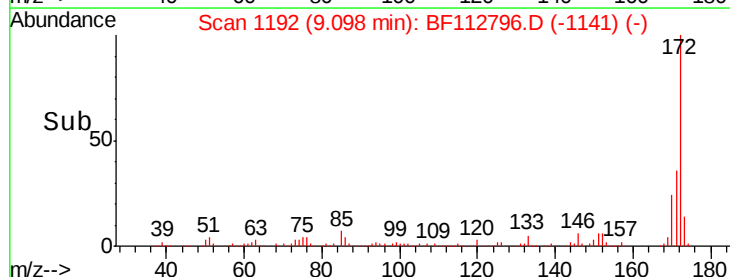
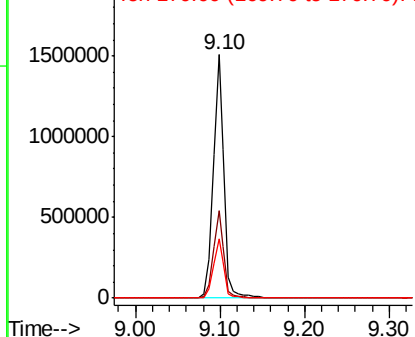


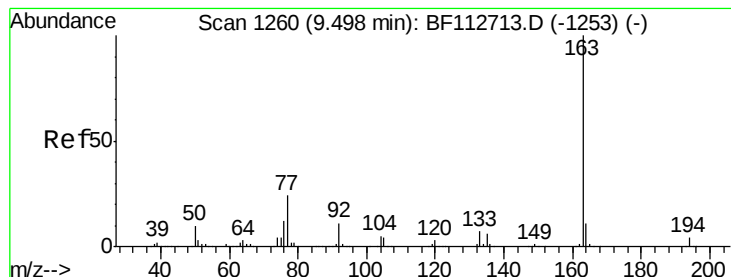
#45
 2-Fluorobiphenyl
 Concen: 68.185 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112796.D
 Acq: 1 Mar 2019 13:37

Tgt Ion:172 Resp: 1371090
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.4
 170 24.4 20.0 30.0



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





#50

Dimethylphthalate

Concen: 5.496 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF112796.D

Acq: 1 Mar 2019 13:37

Instrument :

BNA_F

ClientSampleId :

COMP-DAY-1

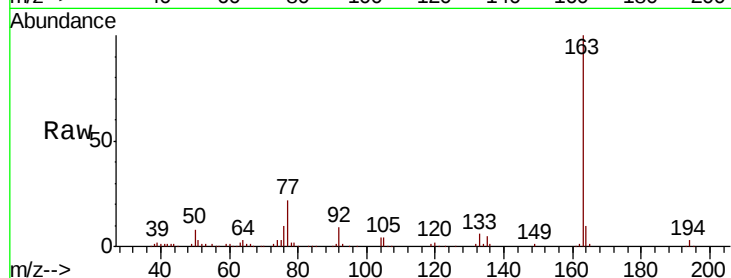
Tgt Ion:163 Resp: 128147

Ion Ratio Lower Upper

163 100

194 3.3 3.0 4.4

164 9.8 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

200000 Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

150000

100000

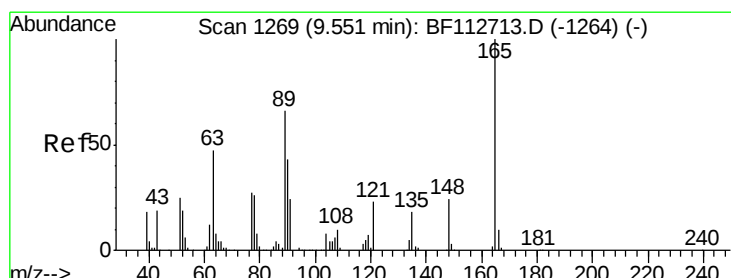
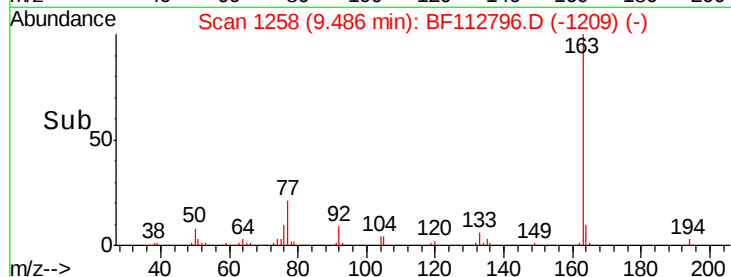
50000

0

9.49

9.45 9.50 9.55

Time-->



#51

2,6-Dinitrotoluene

Concen: 8.346 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.22 min

Lab File: BF112796.D

Acq: 1 Mar 2019 13:37

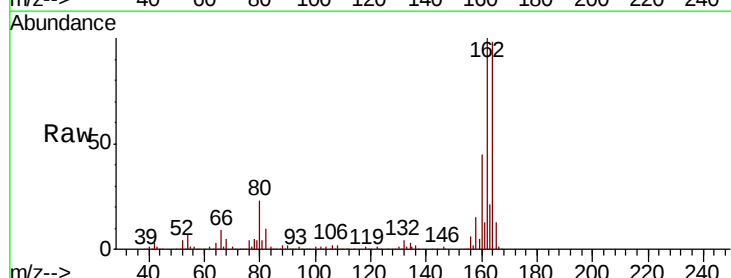
Tgt Ion:165 Resp: 40526

Ion Ratio Lower Upper

165 100

63 1.7 54.1 81.1#

89 1.4 52.8 79.2#



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

60000

50000

40000

30000

20000

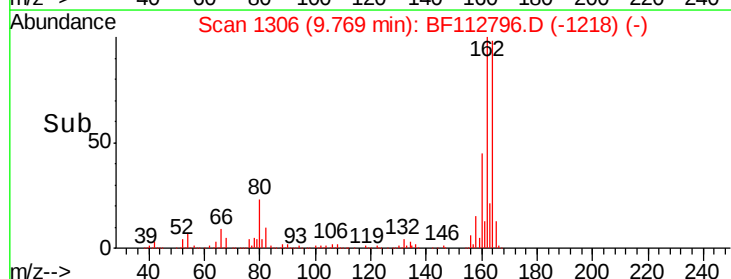
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0

9.77

9.75 9.80 9.85

Time-->

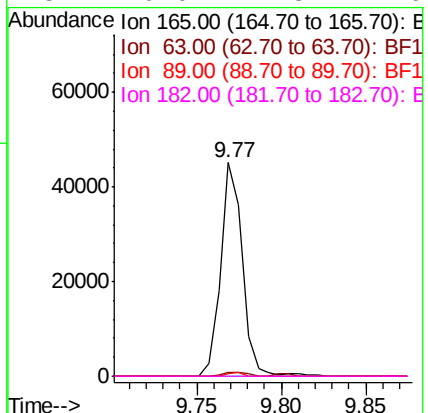
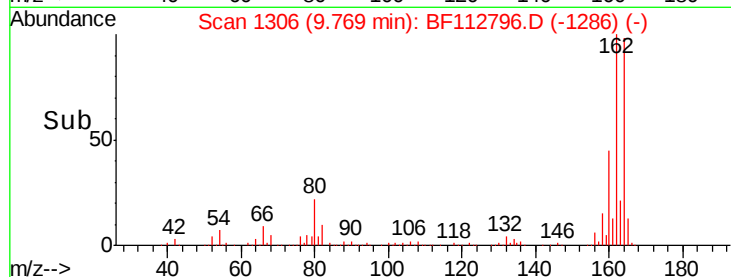
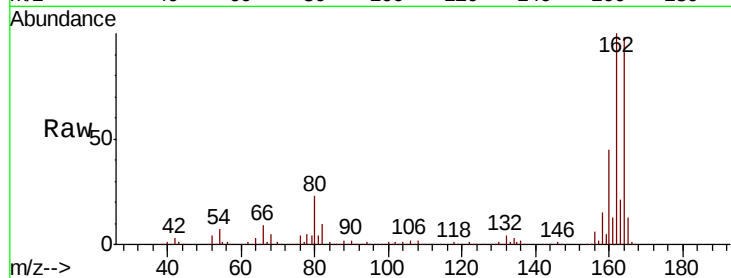




#57
2,4-Dinitrotoluene
Concen: 6.715 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.18 min
Lab File: BF112796.D
Acq: 1 Mar 2019 13:37

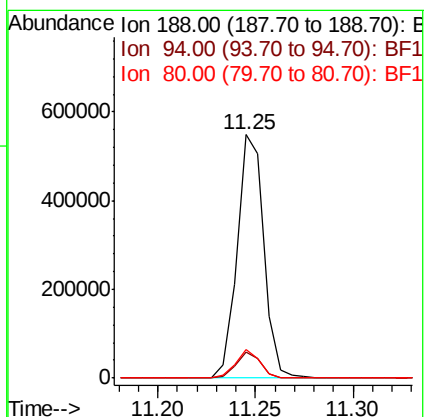
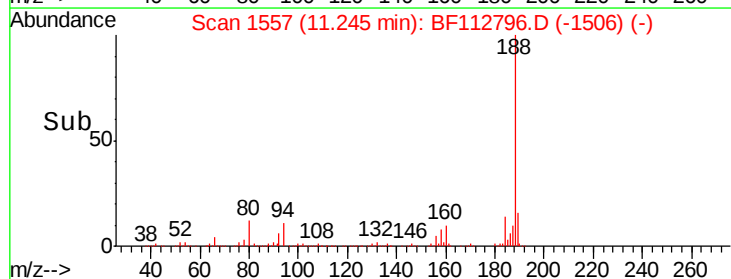
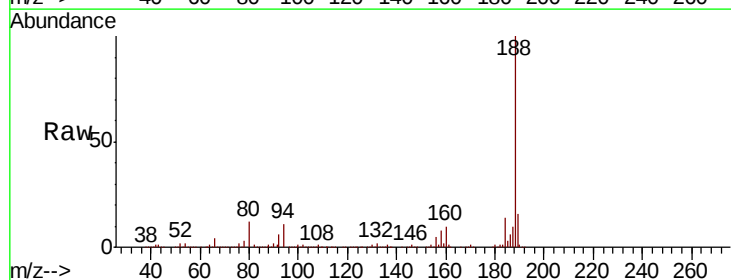
Instrument :
BNA_F
ClientSampleId :
COMP-DAY-1

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	42.2	63.2#
89	1.4	66.2	99.4#
182	0.0	1.8	2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF112796.D
Acq: 1 Mar 2019 13:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.0	13.4
80	11.5	9.2	13.8





#65

4,6-Dinitro-2-methylphenol

Concen: 4.824 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.20 min

Lab File: BF112796.D

Acq: 1 Mar 2019 13:37

Instrument :

BNA_F

ClientSampleId :

COMP-DAY-1

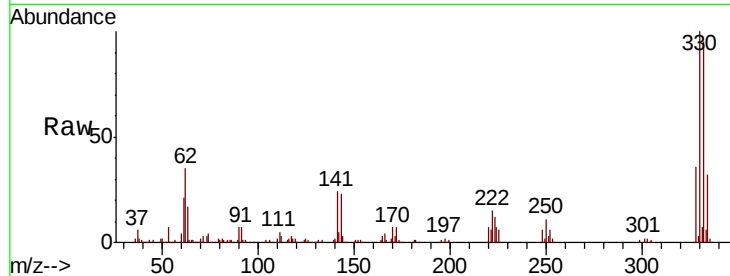
Tgt Ion:198 Resp: 498

Ion Ratio Lower Upper

198 100

51 191.1 43.8 83.8#

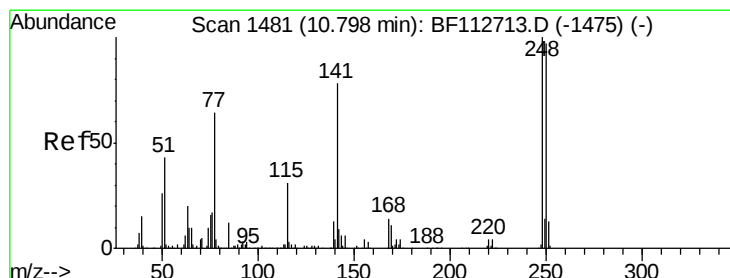
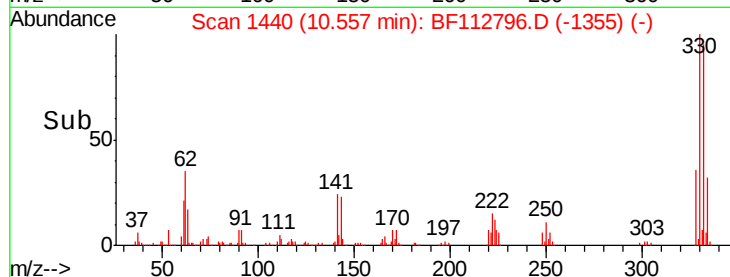
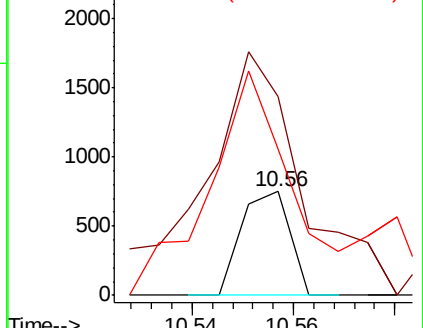
105 140.6 36.5 76.5#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.337 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF112796.D

Acq: 1 Mar 2019 13:37

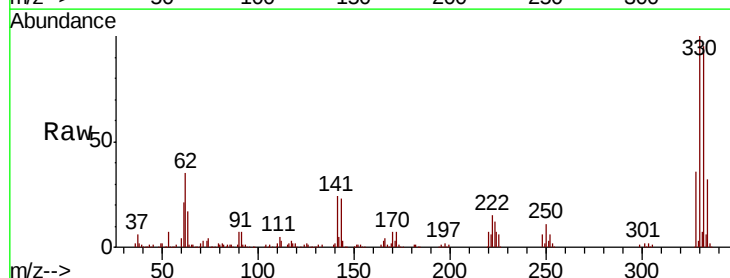
Tgt Ion:248 Resp: 18209

Ion Ratio Lower Upper

248 100

250 188.4 77.5 116.3#

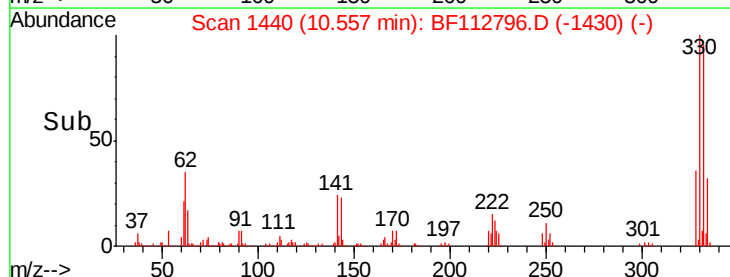
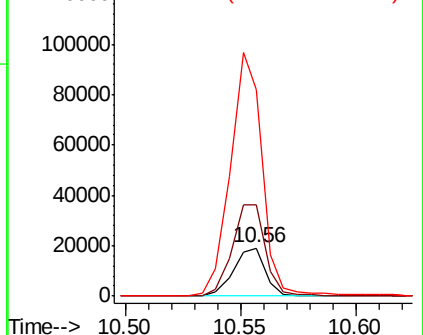
141 426.5 62.4 93.6#

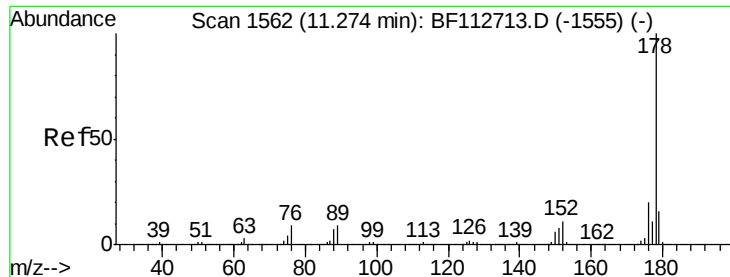


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

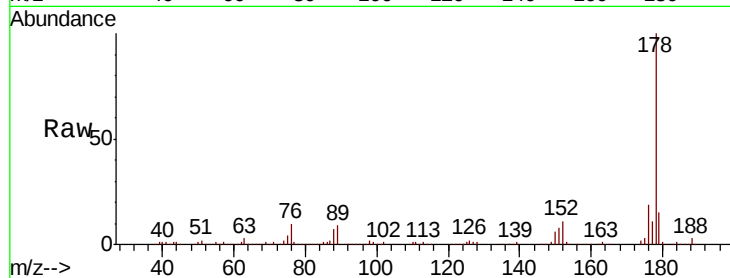




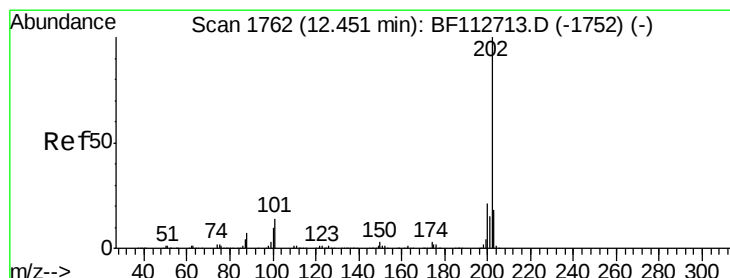
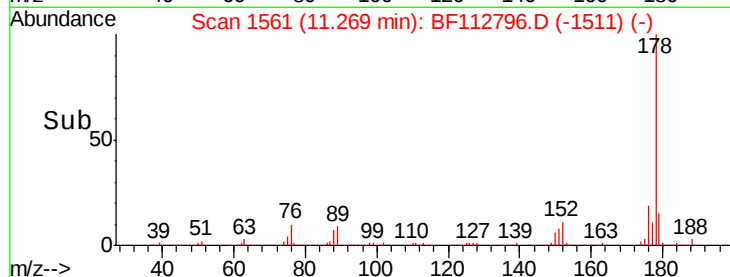
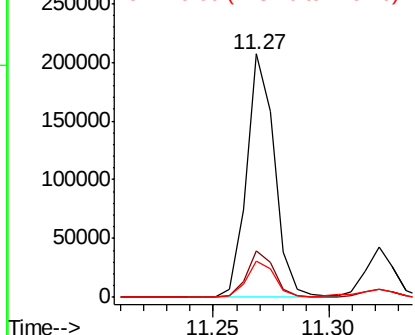
#71
Phenanthrene
Concen: 6.816 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112796.D
Acq: 1 Mar 2019 13:37

Instrument :
BNA_F
ClientSampleId :
COMP-DAY-1

Tgt Ion:178 Resp: 175695
Ion Ratio Lower Upper
178 100
176 18.9 16.3 24.5
179 15.1 12.7 19.1

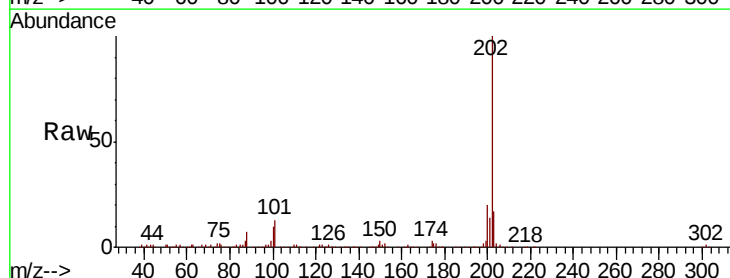


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

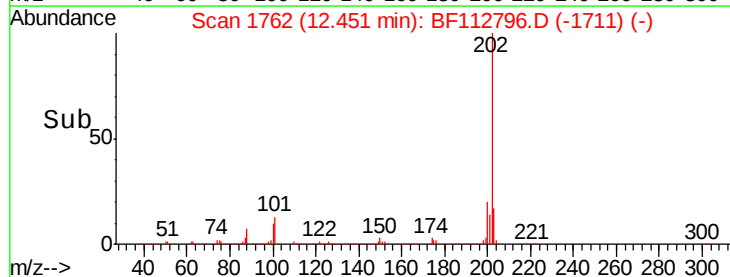
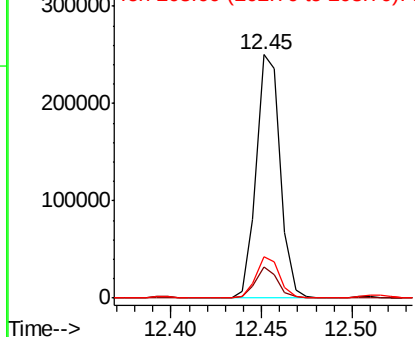


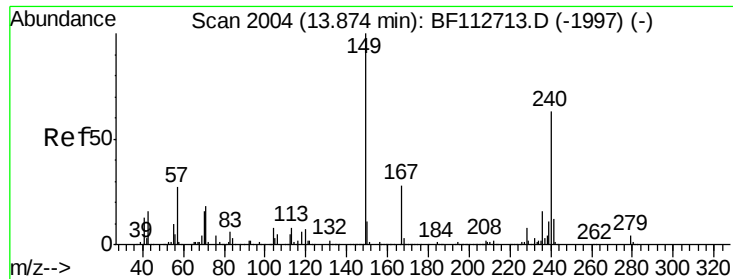
#75
Fluoranthene
Concen: 8.394 ng
RT: 12.45 min Scan# 1762
Delta R.T. 0.00 min
Lab File: BF112796.D
Acq: 1 Mar 2019 13:37

Tgt Ion:202 Resp: 231813
Ion Ratio Lower Upper
202 100
101 12.7 0.0 33.8
203 17.2 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

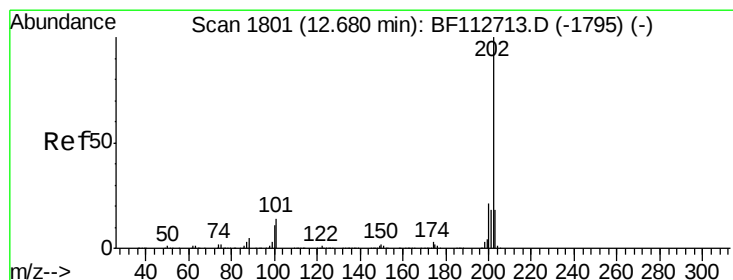
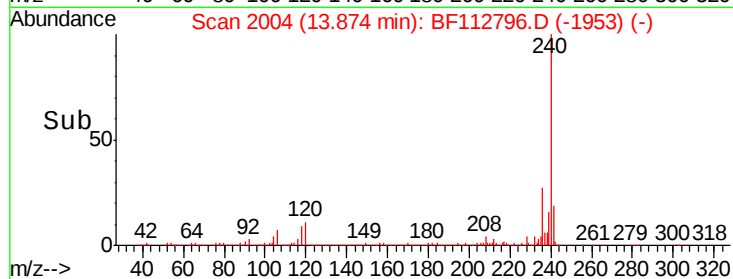
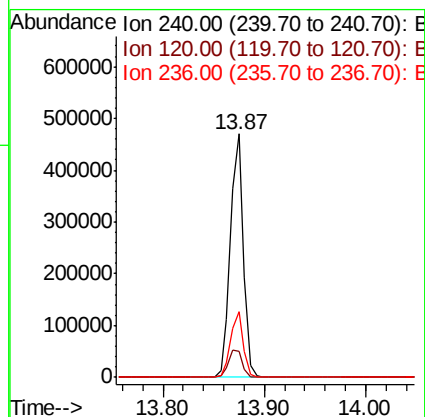
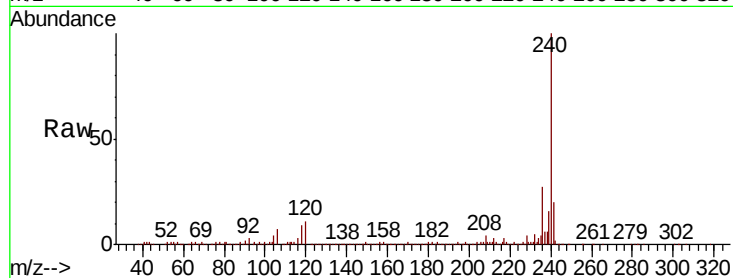




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF112796.D
Acq: 1 Mar 2019 13:37

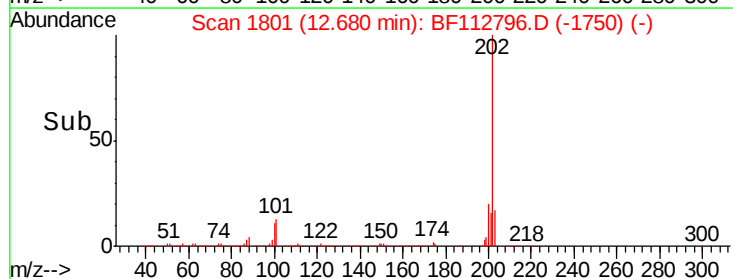
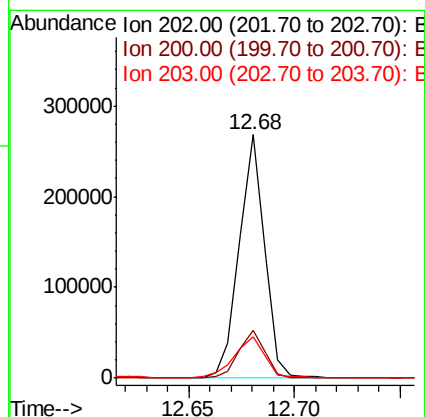
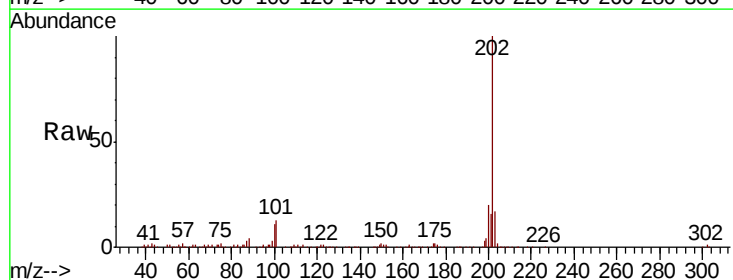
Instrument :
BNA_F
ClientSampleId :
COMP-DAY-1

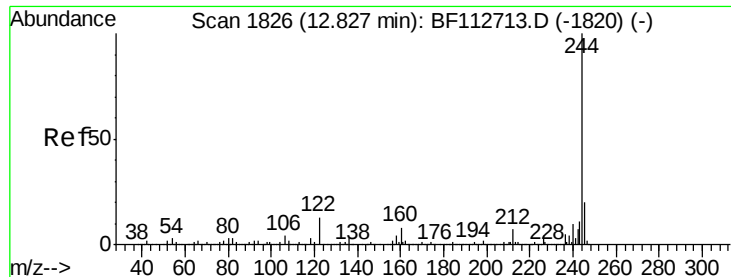
Tgt Ion:240 Resp: 419211
Ion Ratio Lower Upper
240 100
120 10.9 8.9 13.3
236 26.8 20.7 31.1



#78
Pyrene
Concen: 6.267 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BF112796.D
Acq: 1 Mar 2019 13:37

Tgt Ion:202 Resp: 221467
Ion Ratio Lower Upper
202 100
200 19.6 17.0 25.4
203 17.2 14.4 21.6

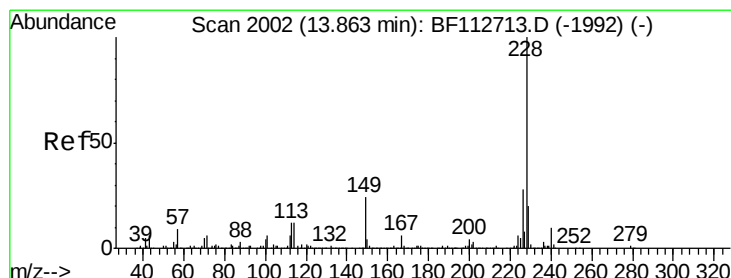
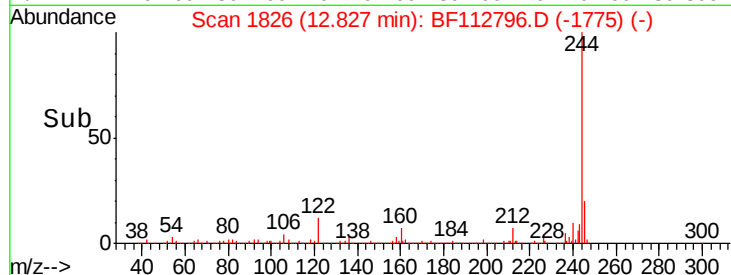
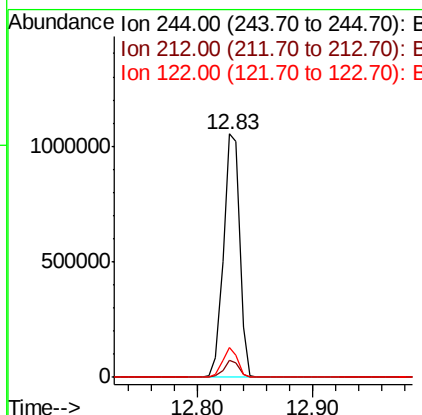
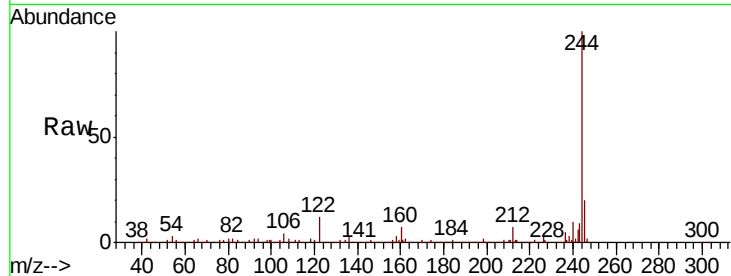




#79
 Terphenyl-d14
 Concen: 47.398 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: BF112796.D
 Acq: 1 Mar 2019 13:37

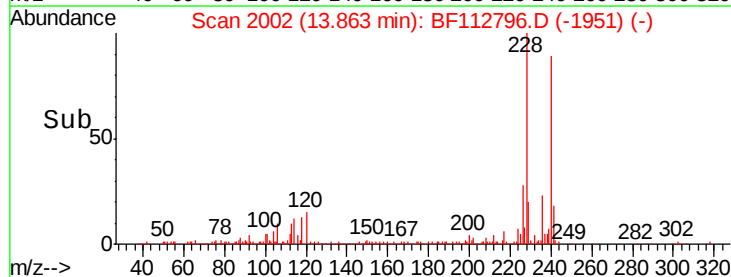
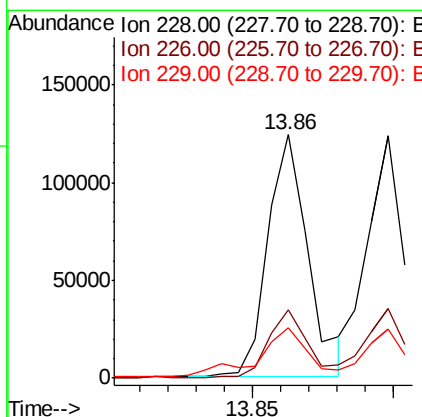
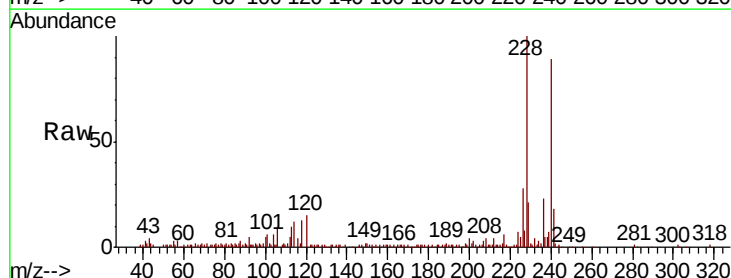
Instrument :
 BNA_F
 ClientSampleId :
 COMP-DAY-1

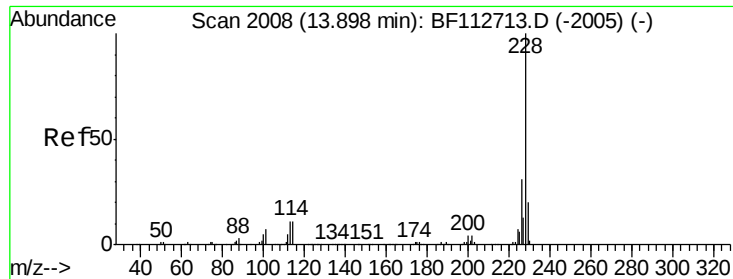
Tgt Ion:244 Resp: 1025005
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 12.4 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 4.225 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: BF112796.D
 Acq: 1 Mar 2019 13:37

Tgt Ion:228 Resp: 122743
 Ion Ratio Lower Upper
 228 100
 226 28.1 22.2 33.4
 229 20.8 16.0 24.0

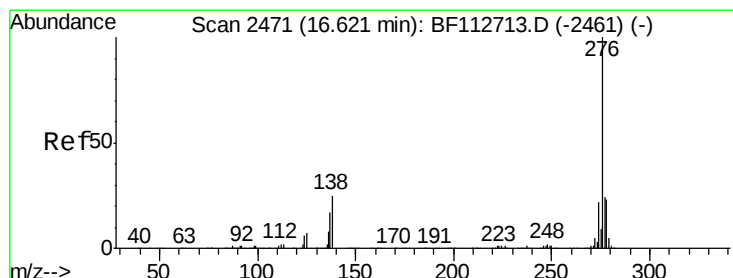
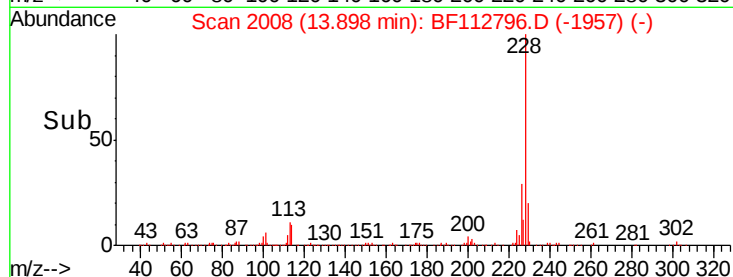
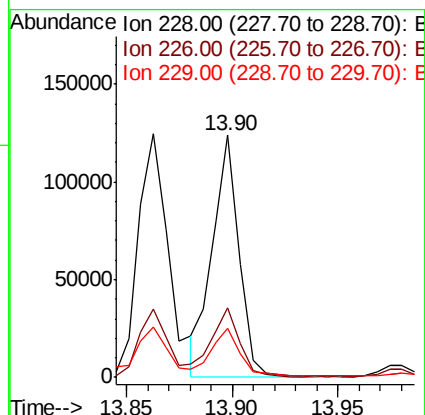
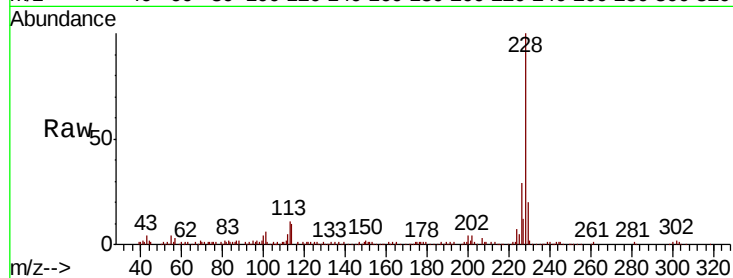




#83
Chrysene
Concen: 3.805 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF112796.D
Acq: 1 Mar 2019 13:37

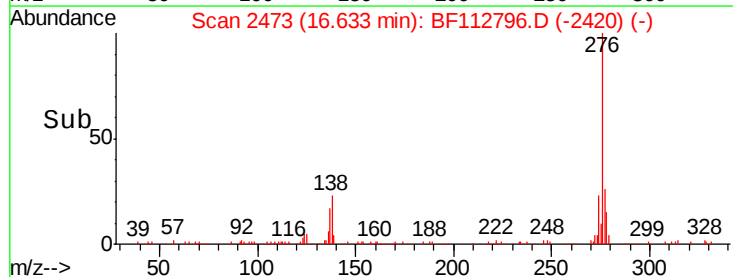
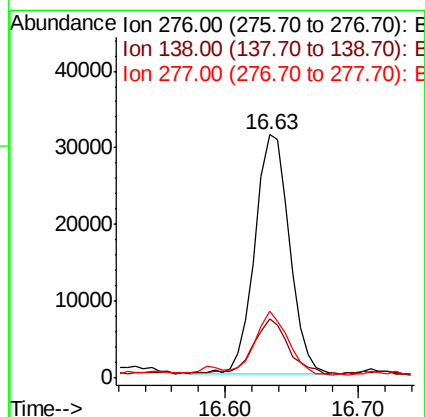
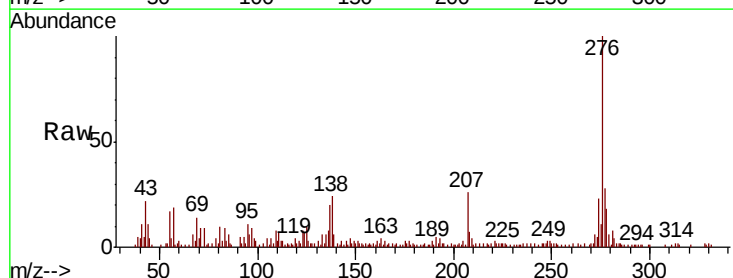
Instrument :
BNA_F
ClientSampleId :
COMP-DAY-1

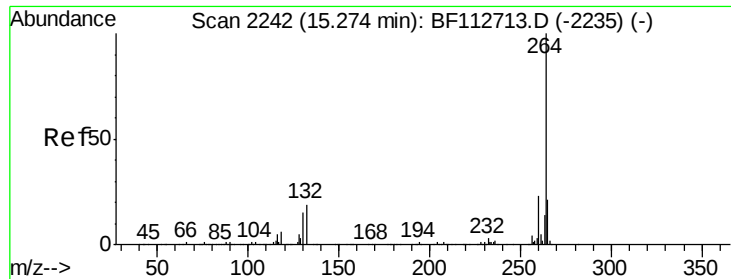
Tgt Ion: 228 Resp: 108278
Ion Ratio Lower Upper
228 100
226 28.6 24.9 37.3
229 20.3 16.3 24.5



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.306 ng
RT: 16.63 min Scan# 2473
Delta R.T. 0.01 min
Lab File: BF112796.D
Acq: 1 Mar 2019 13:37

Tgt Ion: 276 Resp: 55960
Ion Ratio Lower Upper
276 100
138 24.0 23.2 34.8
277 25.2 19.9 29.9





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF112796.D

Acq: 1 Mar 2019 13:37

Instrument :

BNA_F

ClientSampleId :

COMP-DAY-1

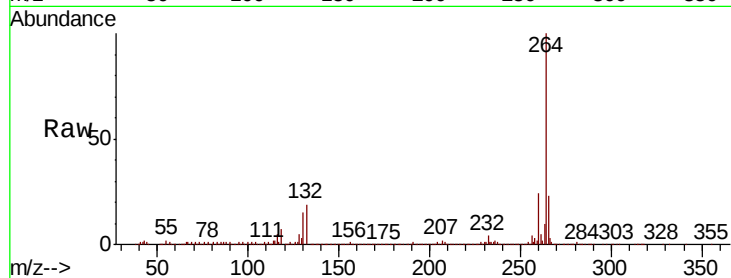
Tgt Ion:264 Resp: 477054

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

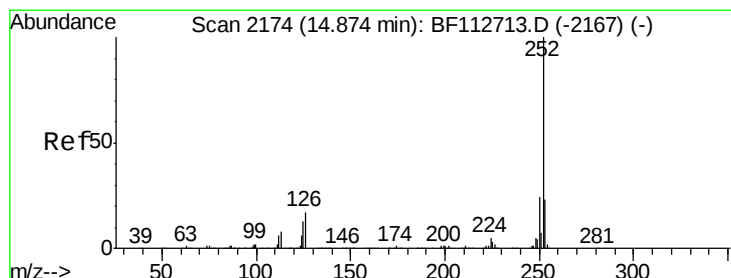
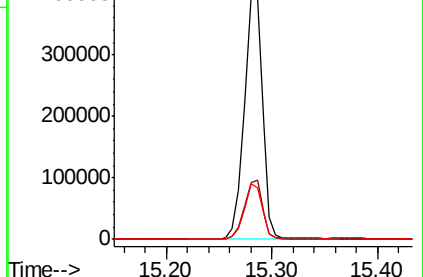
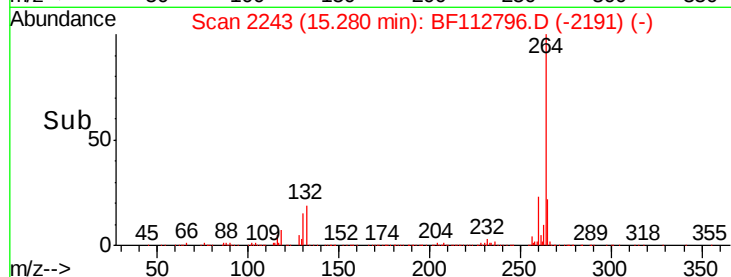
265 22.5 17.2 25.8



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: 5.912 ng

RT: 14.88 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BF112796.D

Acq: 1 Mar 2019 13:37

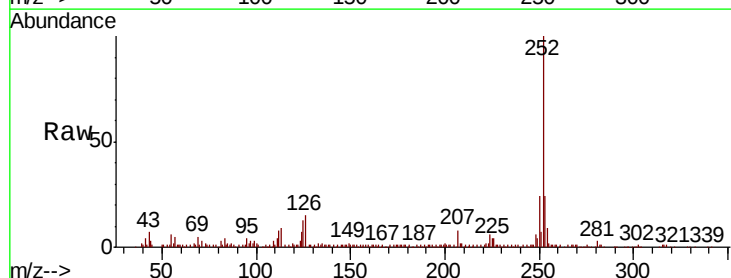
Tgt Ion:252 Resp: 182438

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

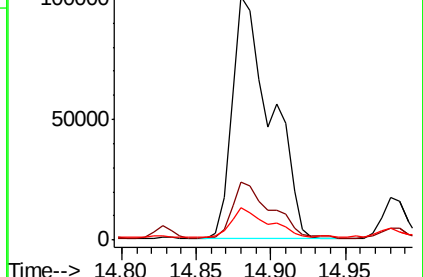
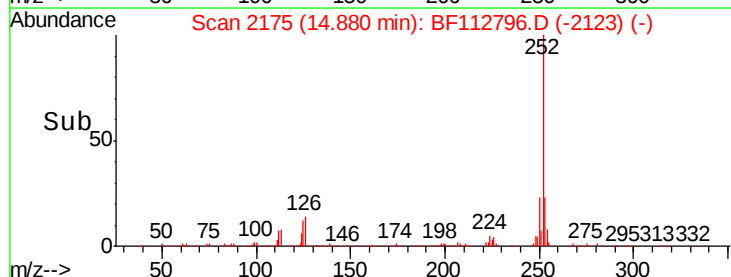
125 13.1 10.2 15.2

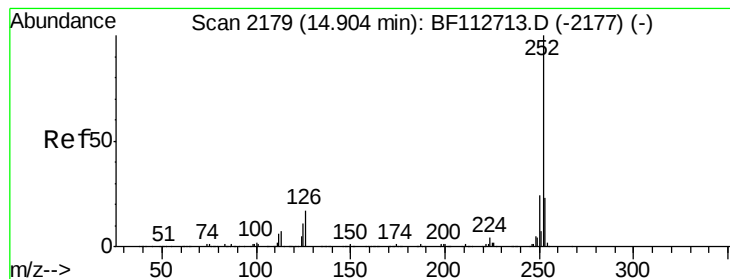


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 6.527 ng

RT: 14.88 min Scan# 2175

Delta R.T. -0.02 min

Lab File: BF112796.D

Acq: 1 Mar 2019 13:37

Instrument :

BNA_F

ClientSampleId :

COMP-DAY-1

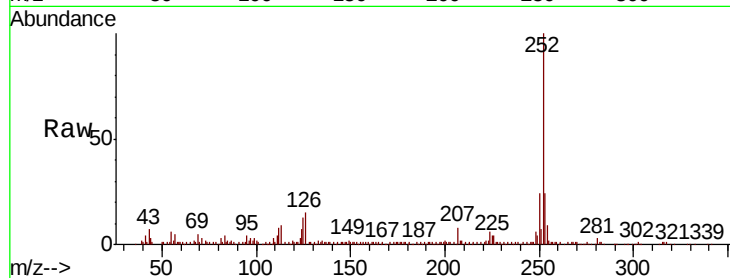
Tgt Ion:252 Resp: 182438

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.2

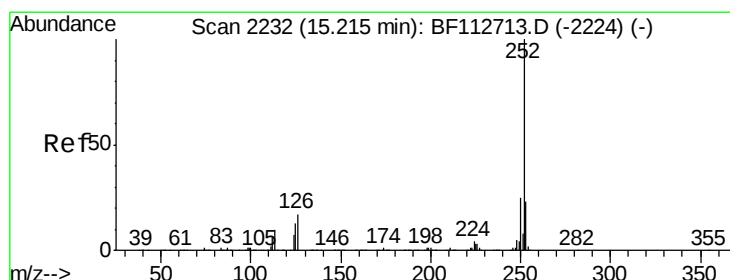
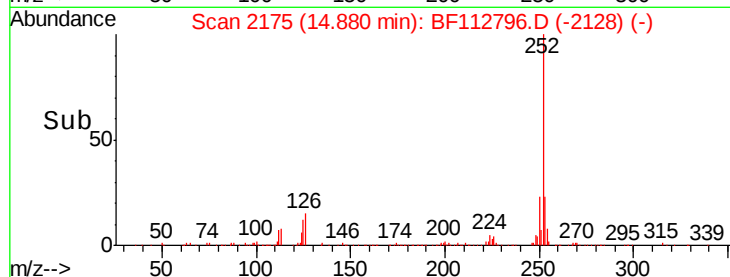
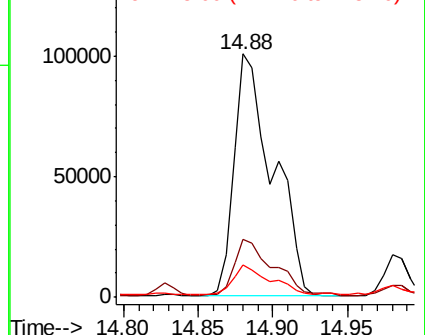
125 13.1 9.8 14.6



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



#90

Benzo(a)pyrene

Concen: 3.627 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.01 min

Lab File: BF112796.D

Acq: 1 Mar 2019 13:37

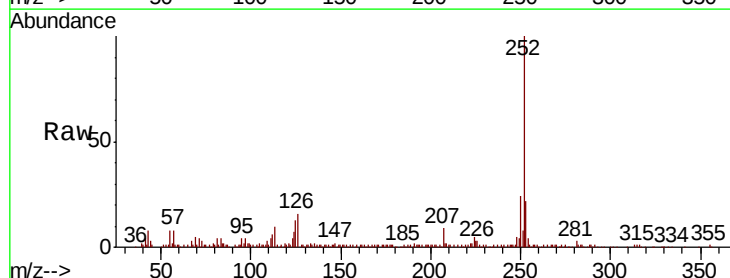
Tgt Ion:252 Resp: 98984

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

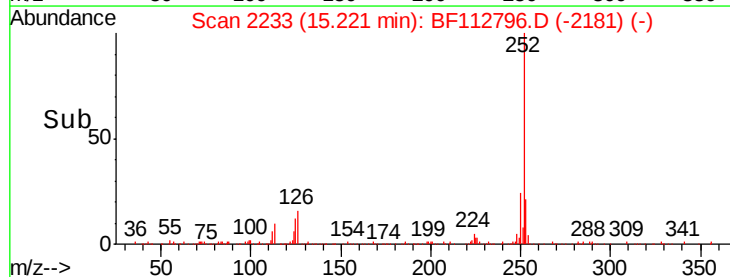
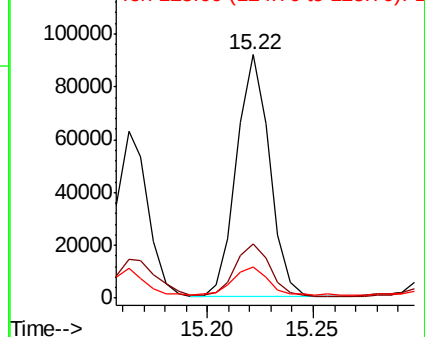
125 12.6 10.7 16.1

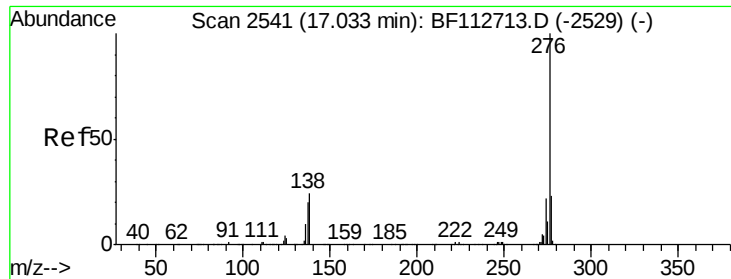


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(g,h,i)perylene

Concen: 2.251 ng

RT: 17.04 min Scan# 2542

Delta R.T. 0.01 min

Lab File: BF112796.D

Acq: 1 Mar 2019 13:37

Instrument :

BNA_F

ClientSampleId :

COMP-DAY-1

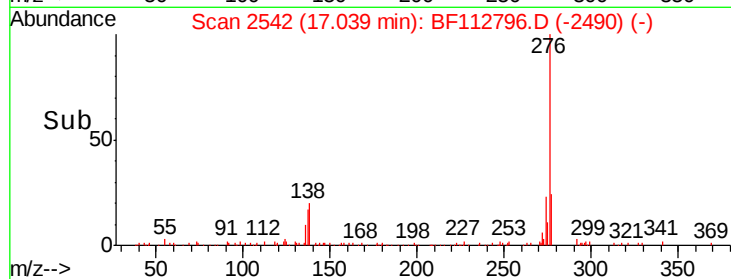
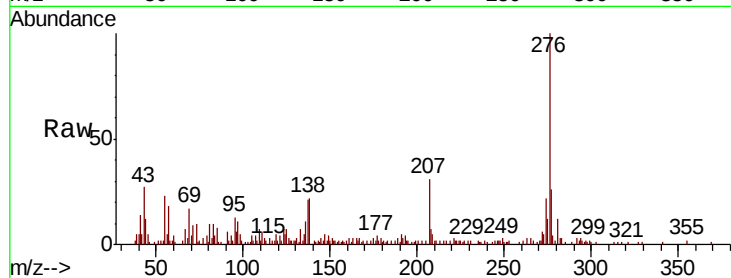
Tgt Ion: 276 Resp: 52645

Ion Ratio Lower Upper

276 100

277 25.6 18.6 27.8

138 21.9 19.4 29.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

