

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071118\
 Data File : BF107310.D
 Acq On : 11 Jul 2018 19:46
 Operator : JU/SJ
 Sample : J3914-07 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEMH

Quant Time: Jul 12 01:05:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 11 16:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	66114	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	246448	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	110328	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	195586	20.00	ng	0.00
75) Chrysene-d12	14.14	240	173815	20.00	ng	0.00
86) Perylene-d12	15.68	264	119788	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	175844	45.04	ng	0.00
7) Phenol-d6	6.58	99	222745	45.68	ng	0.00
23) Nitrobenzene-d5	7.50	82	127946	28.85	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	51228	40.06	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	243938	27.43	ng	0.00
78) Terphenyl-d14	13.07	244	244044	34.01	ng	0.00

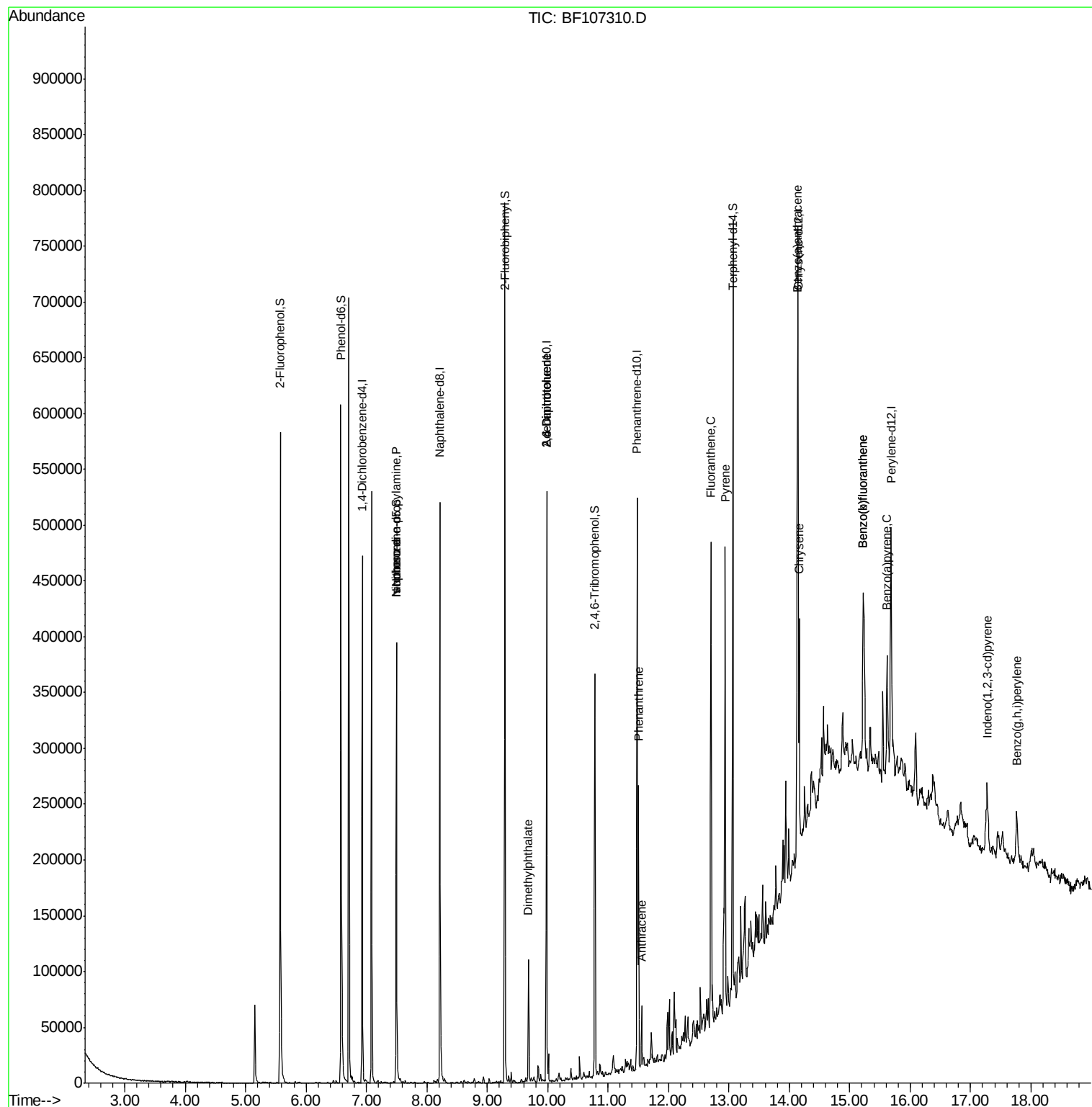
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.50	70	16670	5.187	ng	# 75
25) Isophorone	7.50	82	127945	16.373	ng	# 64
49) Dimethylphthalate	9.68	163	44426	5.369	ng	99
50) 2,6-Dinitrotoluene	9.98	165	14049	8.018	ng	# 24
56) 2,4-Dinitrotoluene	9.98	165	14049	6.143	ng	# 21
70) Phenanthrene	11.50	178	90527	9.596	ng	98
71) Anthracene	11.55	178	21649	2.248	ng	96
74) Fluoranthene	12.70	202	177652	17.086	ng	96
77) Pyrene	12.94	202	163030	14.224	ng	99
80) Benzo(a)anthracene	14.13	228	92372	8.720	ng	98
82) Chrysene	14.17	228	81399	8.352	ng	98
85) Indeno(1,2,3-cd)pyrene	17.28	276	38013	4.596	ng	# 86
87) Benzo(b)fluoranthene	15.22	252	118050	15.864	ng	97
88) Benzo(k)fluoranthene	15.22	252	118050	16.659	ng	98
89) Benzo(a)pyrene	15.62	252	57605	8.708	ng	98
91) Benzo(g,h,i)perylene	17.77	276	38167	6.965	ng	# 87

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

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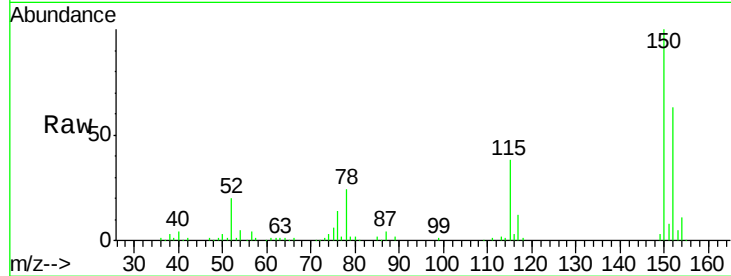


#1

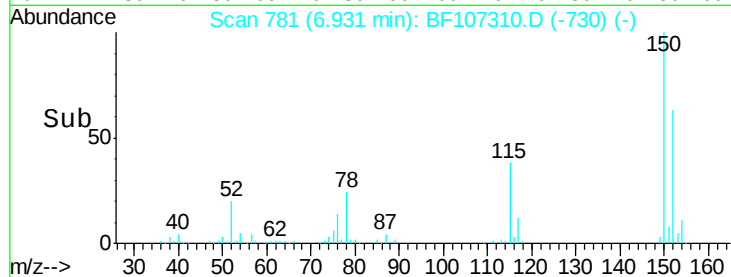
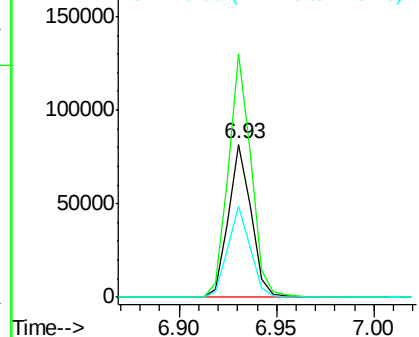
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.00 min
Lab File: BF107310.D
Acq: 11 Jul 2018 19:46

Instrument :
BNA_F
ClientSampleId :
NEMH

Tgt Ion:152 Resp: 66114
Ion Ratio Lower Upper
152 100
150 158.9 124.6 186.8
115 59.8 50.1 75.1



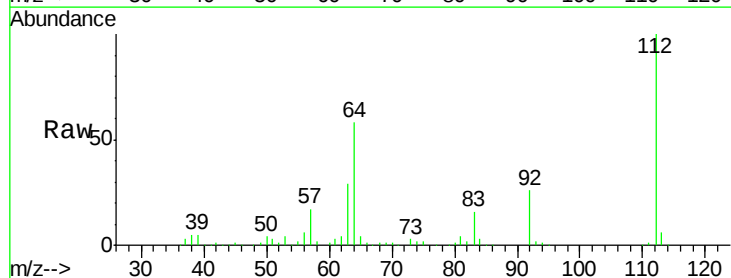
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



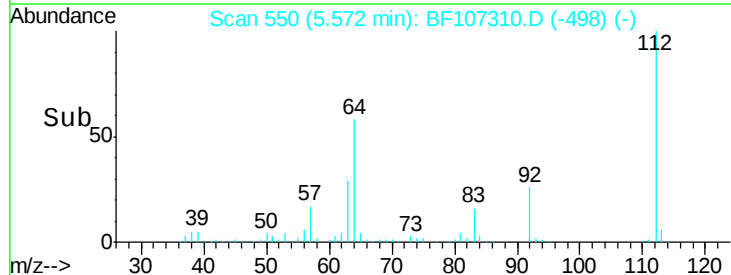
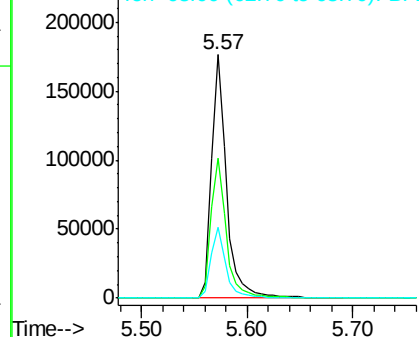
#5

2-Fluorophenol
Concen: 45.037 ng
RT: 5.57 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF107310.D
Acq: 11 Jul 2018 19:46

Tgt Ion:112 Resp: 175844
Ion Ratio Lower Upper
112 100
64 57.5 47.9 71.9
63 28.8 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: 45.683 ng

RT: 6.58 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF107310.D

Acq: 11 Jul 2018 19:46

Instrument :

BNA_F

ClientSampleId :

NEMH

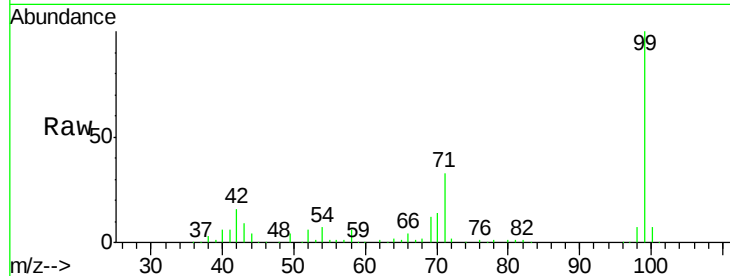
Tgt Ion: 99 Resp: 222745

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

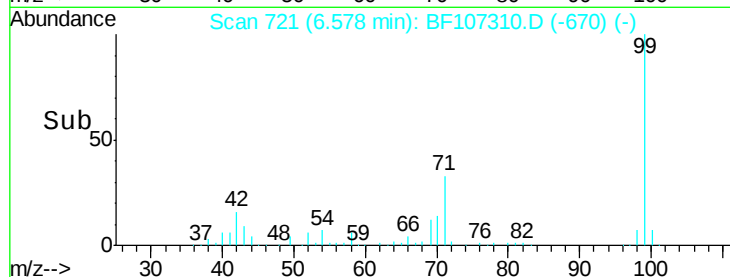
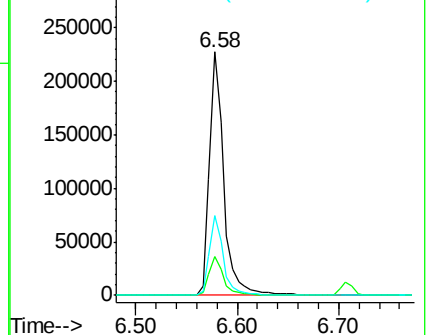
71 33.0 25.4 38.0



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: 5.187 ng

RT: 7.50 min Scan# 877

Delta R.T. 0.15 min

Lab File: BF107310.D

Acq: 11 Jul 2018 19:46

Tgt Ion: 70 Resp: 16670

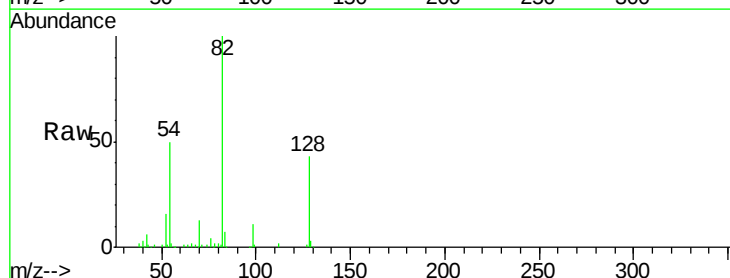
Ion Ratio Lower Upper

70 100

42 45.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

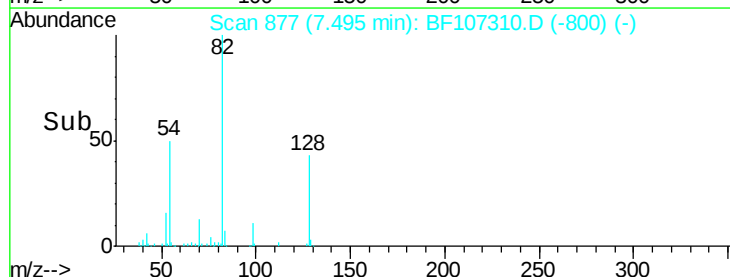
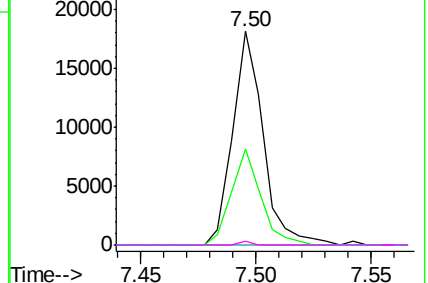


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

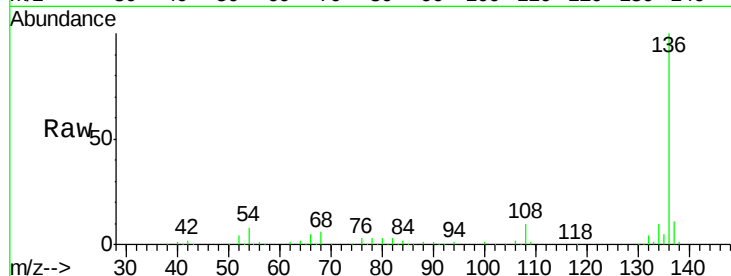




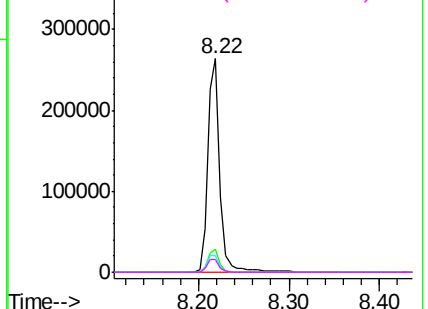
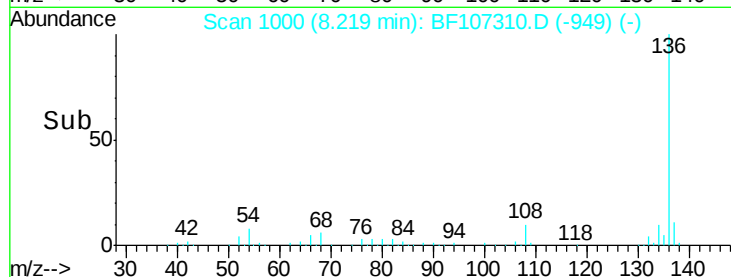
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BF107310.D
Acq: 11 Jul 2018 19:46

Instrument :
BNA_F
ClientSampleId :
NEMH

Tgt Ion: 136 Resp: 246448
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.6 6.6 9.8
68 6.2 5.0 7.4

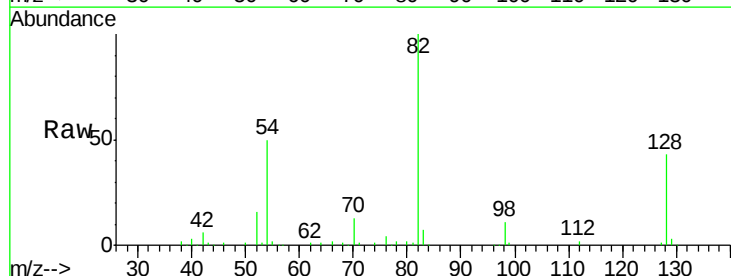


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

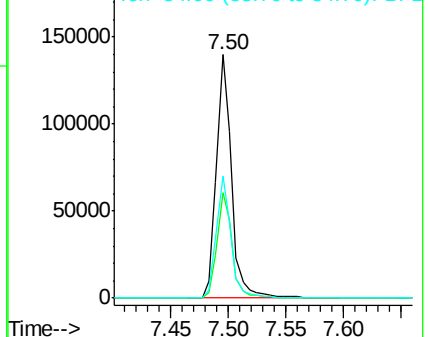
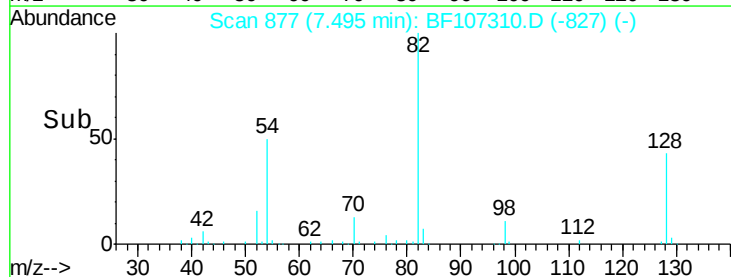


#23
Nitrobenzene-d5
Concen: 28.852 ng
RT: 7.50 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF107310.D
Acq: 11 Jul 2018 19:46

Tgt Ion: 82 Resp: 127946
Ion Ratio Lower Upper
82 100
128 43.5 36.1 54.1
54 50.0 41.4 62.2



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

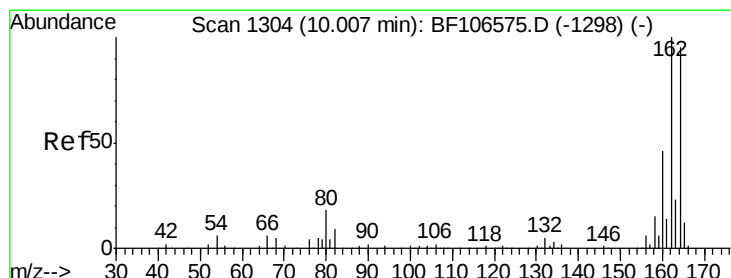
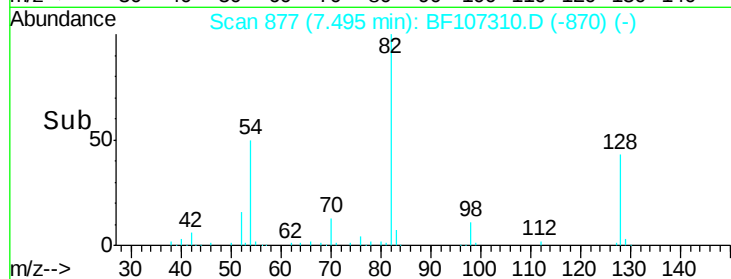
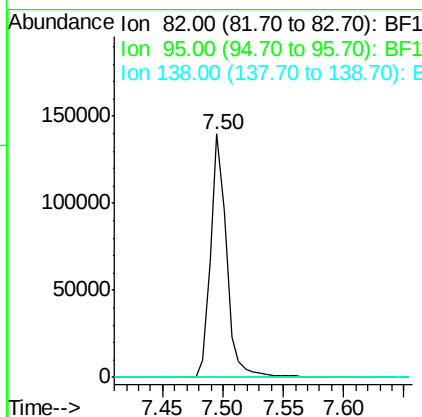
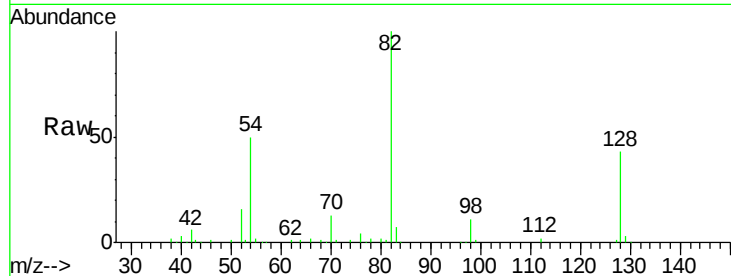




#25
Isophorone
Concen: 16.373 ng
RT: 7.50 min Scan# 877
Delta R.T. -0.26 min
Lab File: BF107310.D
Acq: 11 Jul 2018 19:46

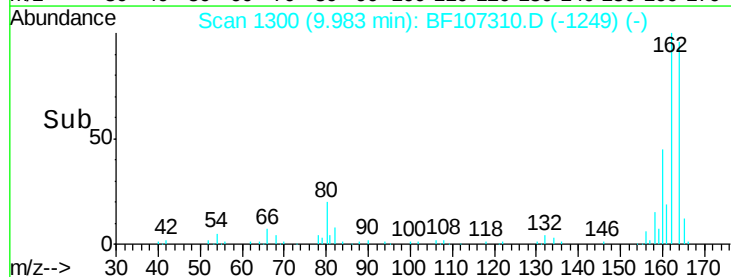
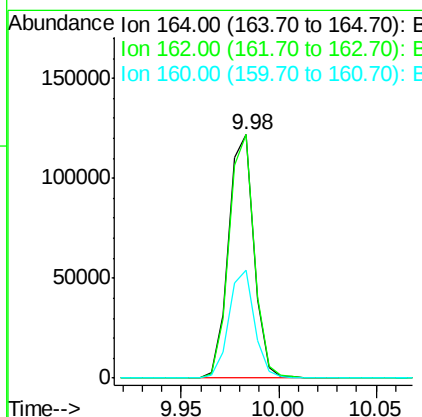
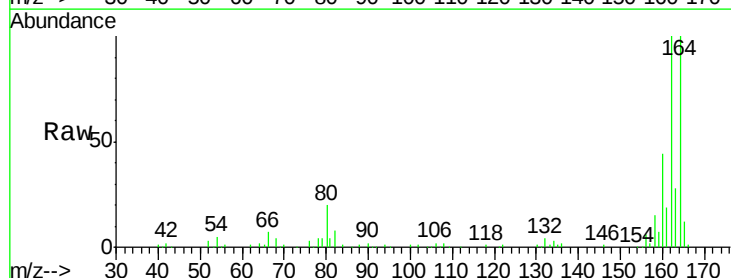
Instrument :
BNA_F
ClientSampleId :
NEMH

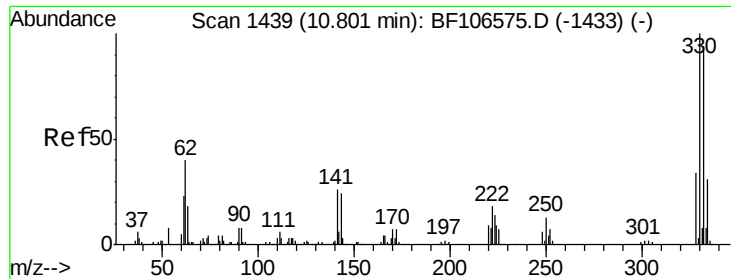
Tgt Ion: 82 Resp: 127945
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BF107310.D
Acq: 11 Jul 2018 19:46

Tgt Ion: 164 Resp: 110328
Ion Ratio Lower Upper
164 100
162 99.9 86.1 129.1
160 44.4 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 40.062 ng

RT: 10.78 min Scan# 1436

Delta R.T. -0.00 min

Lab File: BF107310.D

Acq: 11 Jul 2018 19:46

Instrument :

BNA_F

ClientSampleId :

NEMH

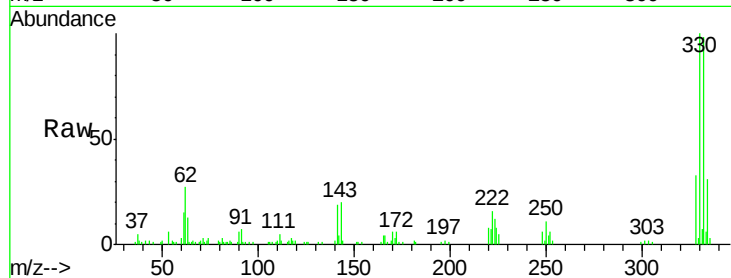
Tgt Ion:330 Resp: 51228

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

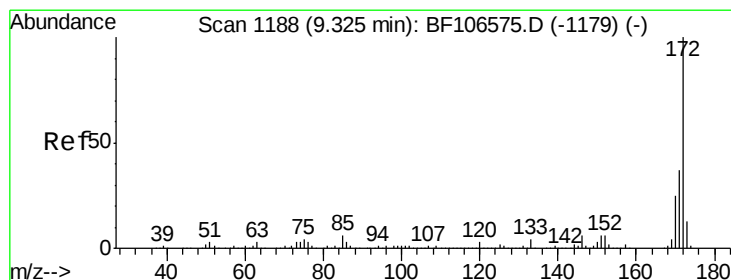
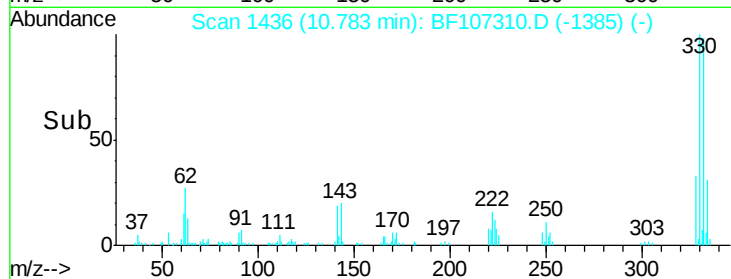
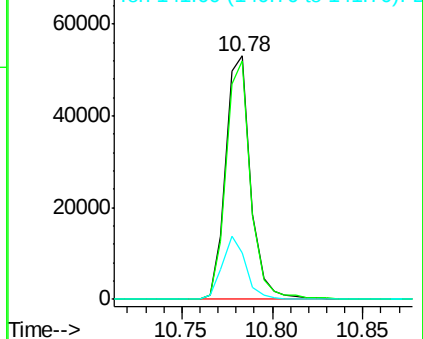
141 24.6 29.9 44.9#



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: 27.434 ng

RT: 9.29 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF107310.D

Acq: 11 Jul 2018 19:46

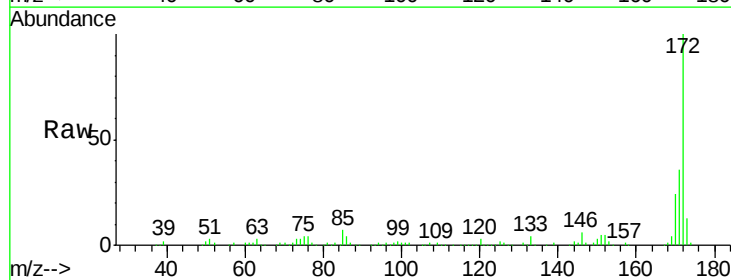
Tgt Ion:172 Resp: 243938

Ion Ratio Lower Upper

172 100

171 36.0 29.7 44.5

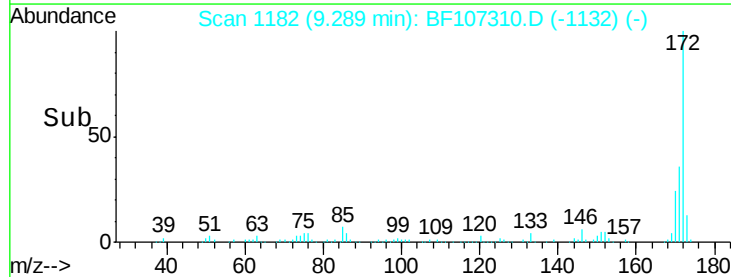
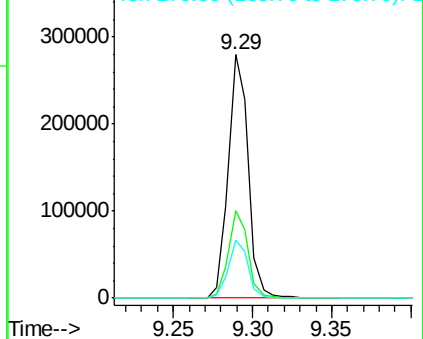
170 23.7 19.6 29.4



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

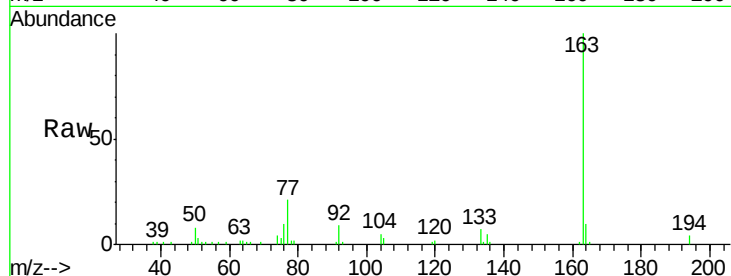




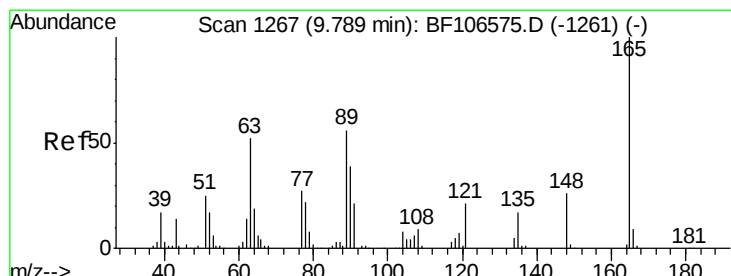
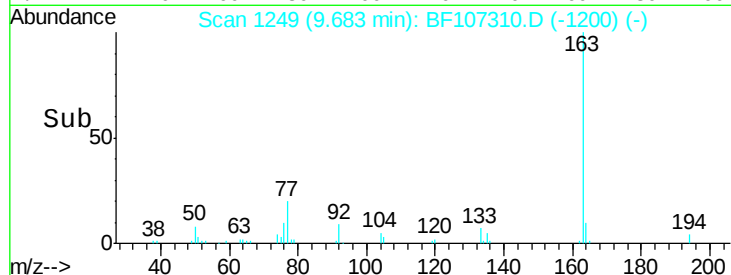
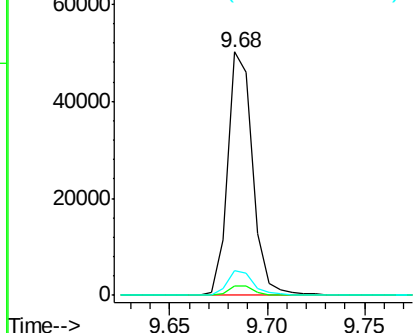
#49
Dimethylphthalate
Concen: 5.369 ng
RT: 9.68 min Scan# 1249
Delta R.T. -0.01 min
Lab File: BF107310.D
Acq: 11 Jul 2018 19:46

Instrument :
BNA_F
ClientSampleId :
NEMH

Tgt Ion:163 Resp: 44426
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.4 8.2 12.2

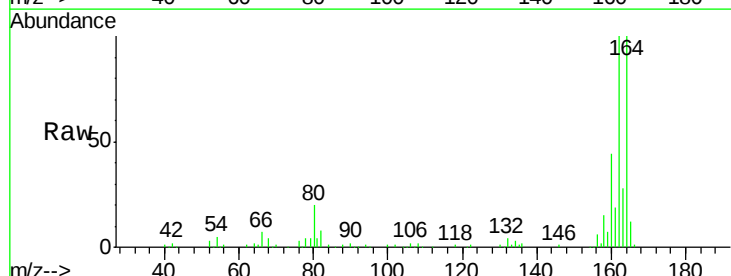


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

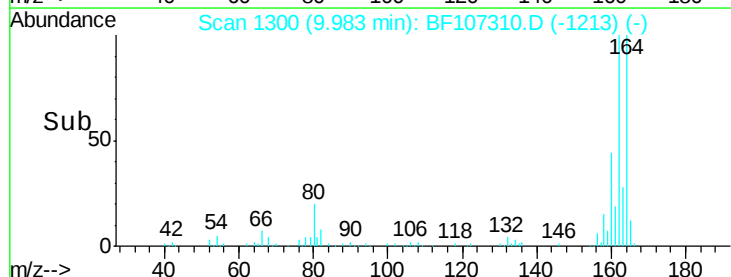
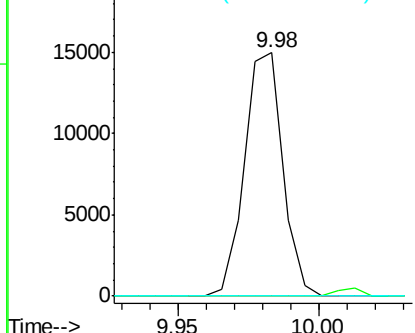


#50
2,6-Dinitrotoluene
Concen: 8.018 ng
RT: 9.98 min Scan# 1300
Delta R.T. 0.21 min
Lab File: BF107310.D
Acq: 11 Jul 2018 19:46

Tgt Ion:165 Resp: 14049
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 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

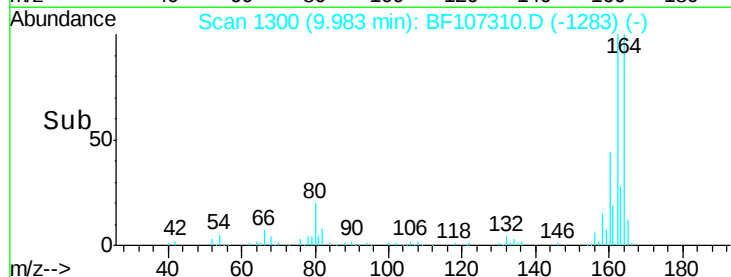
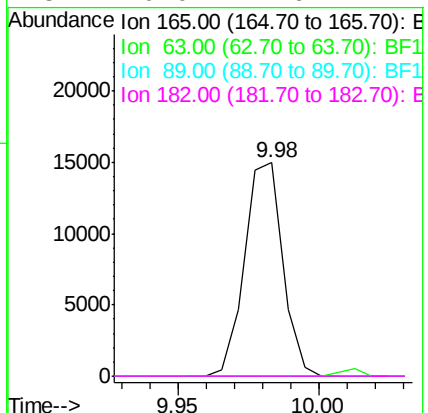
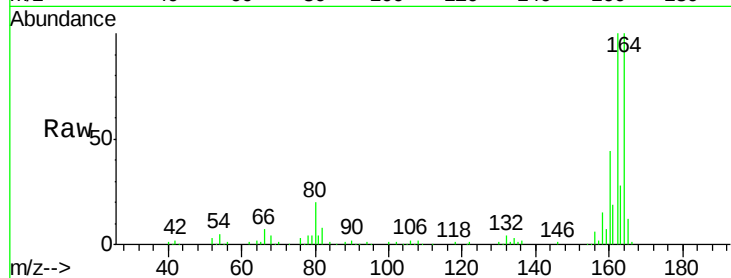




#56
2,4-Dinitrotoluene
Concen: 6.143 ng
RT: 9.98 min Scan# 1300
Delta R.T. -0.20 min
Lab File: BF107310.D
Acq: 11 Jul 2018 19:46

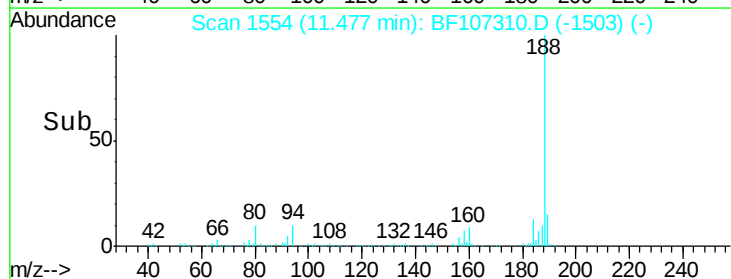
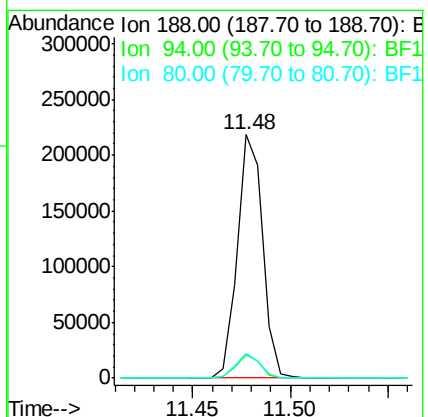
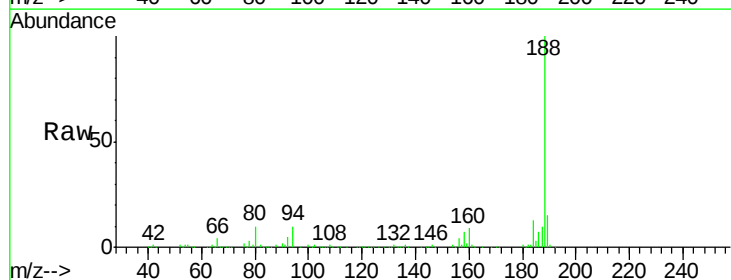
Instrument :
BNA_F
ClientSampleId :
NEMH

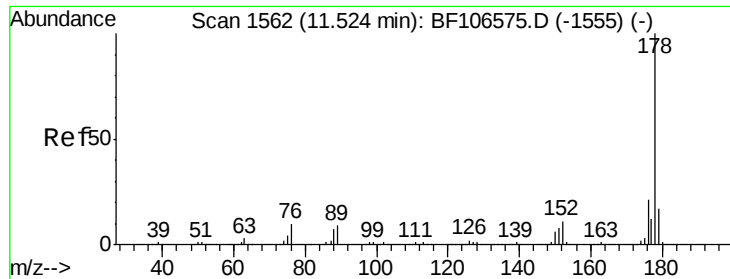
Tgt Ion:	165	Resp:	14049
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.00 min
Lab File: BF107310.D
Acq: 11 Jul 2018 19:46

Tgt Ion:	188	Resp:	195586
Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.4	9.2	13.8





#70

Phenanthrene

Concen: 9.596 ng

RT: 11.50 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF107310.D

Acq: 11 Jul 2018 19:46

Instrument :

BNA_F

ClientSampleId :

NEMH

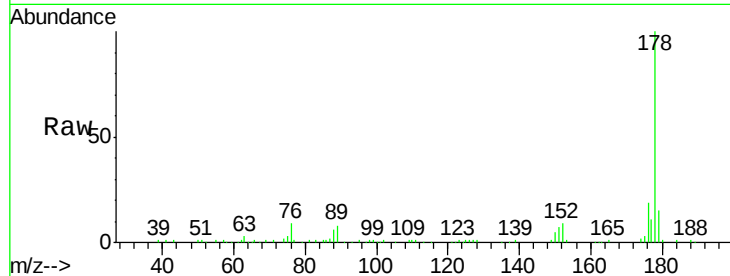
Tgt Ion:178 Resp: 90527

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

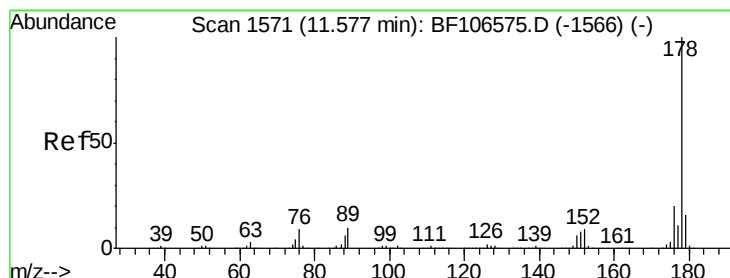
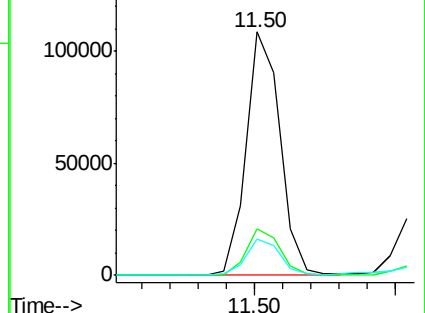
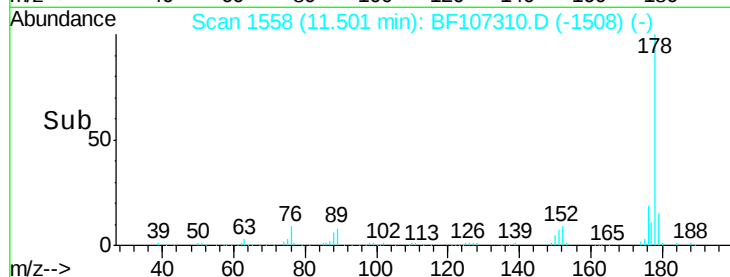
179 15.0 13.0 19.6



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: 2.248 ng

RT: 11.55 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BF107310.D

Acq: 11 Jul 2018 19:46

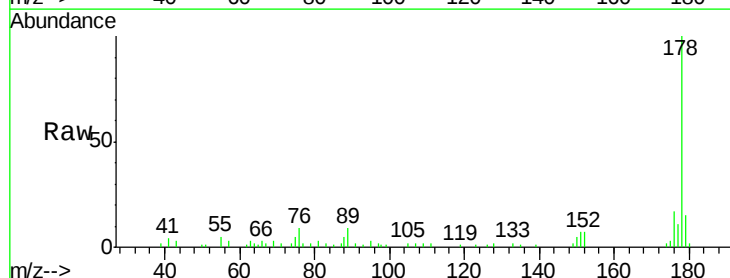
Tgt Ion:178 Resp: 21649

Ion Ratio Lower Upper

178 100

176 17.4 15.4 23.2

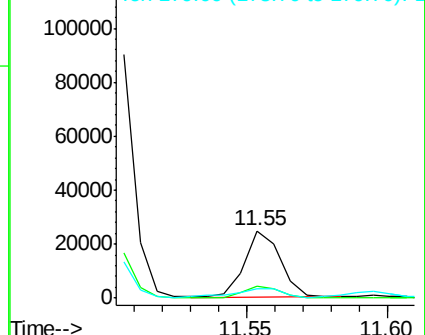
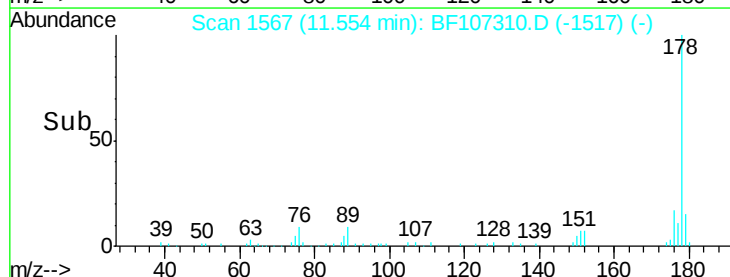
179 14.6 12.6 19.0

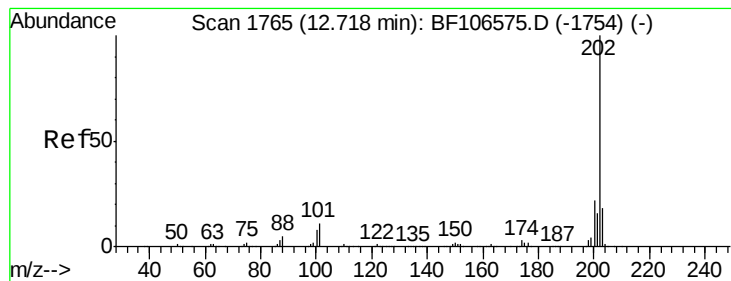


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 17.086 ng

RT: 12.70 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF107310.D

Acq: 11 Jul 2018 19:46

Instrument :

BNA_F

ClientSampleId :

NEMH

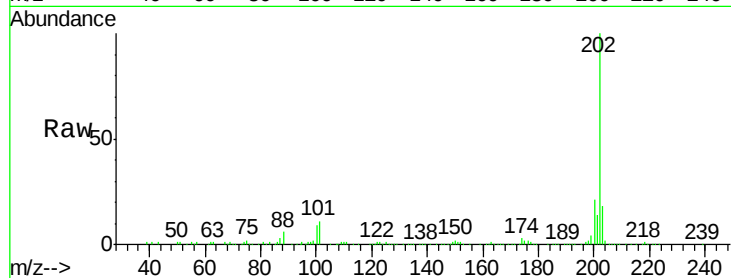
Tgt Ion:202 Resp: 177652

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

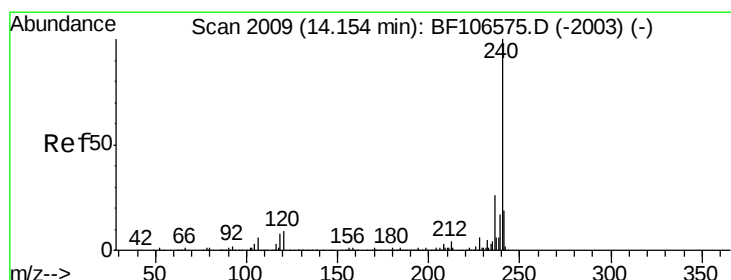
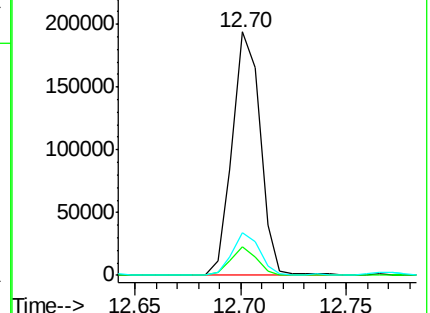
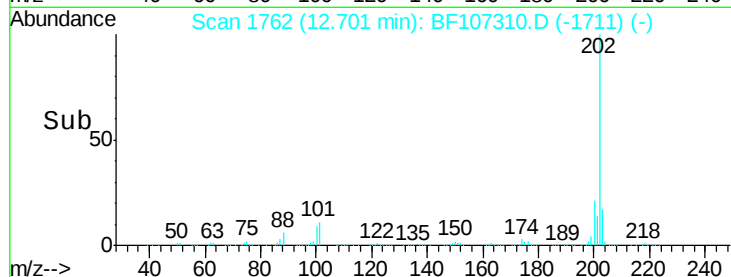
203 17.5 0.0 38.1



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: 14.14 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BF107310.D

Acq: 11 Jul 2018 19:46

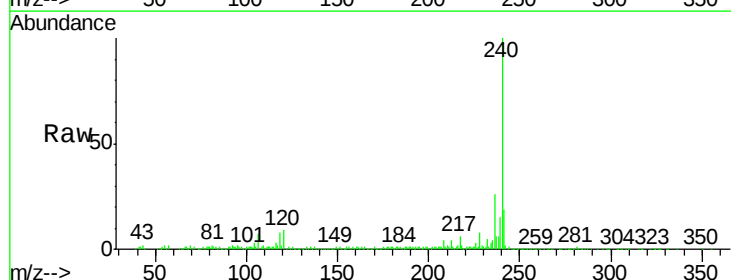
Tgt Ion:240 Resp: 173815

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

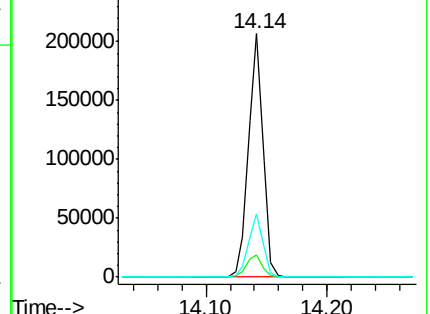
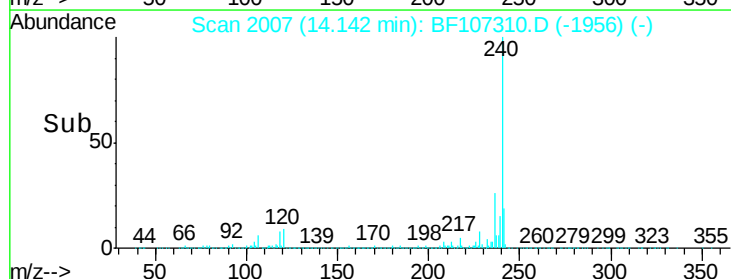
236 26.1 20.7 31.1

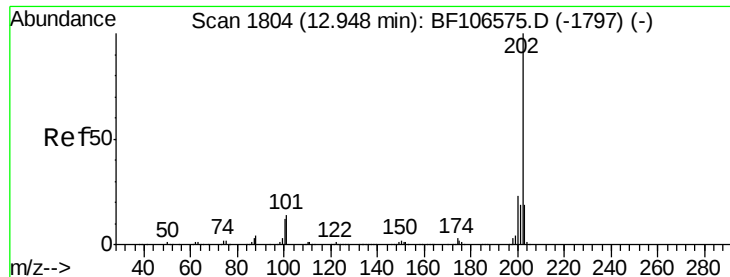


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 14.224 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.00 min

Lab File: BF107310.D

Acq: 11 Jul 2018 19:46

Instrument :

BNA_F

ClientSampleId :

NEMH

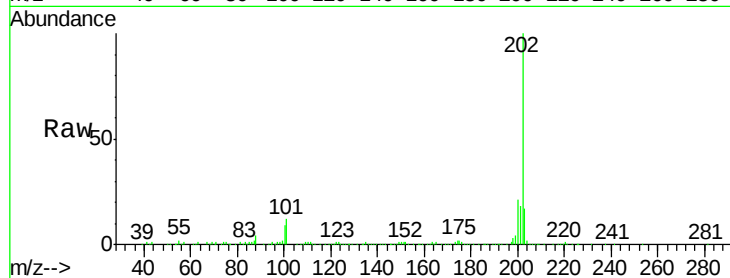
Tgt Ion:202 Resp: 163030

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

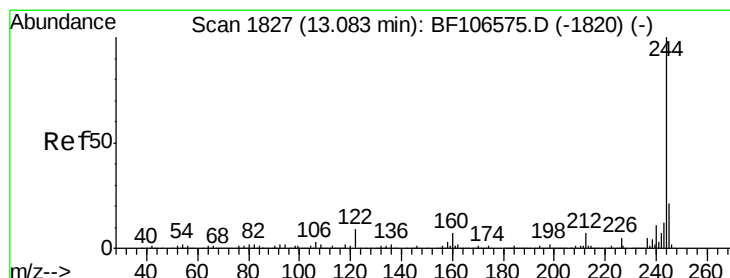
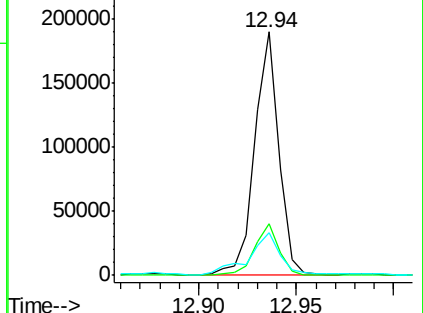
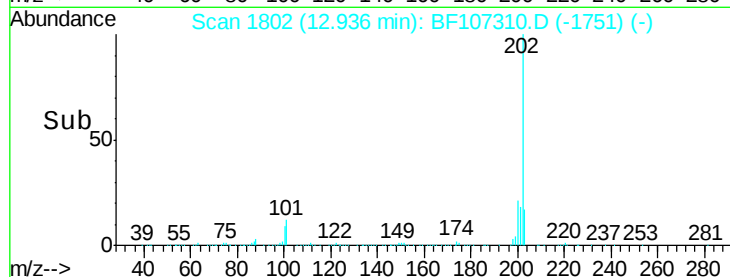
203 17.4 14.3 21.5



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: 34.010 ng

RT: 13.07 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF107310.D

Acq: 11 Jul 2018 19:46

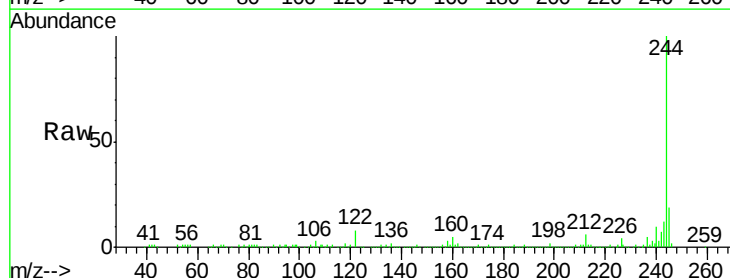
Tgt Ion:244 Resp: 244044

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

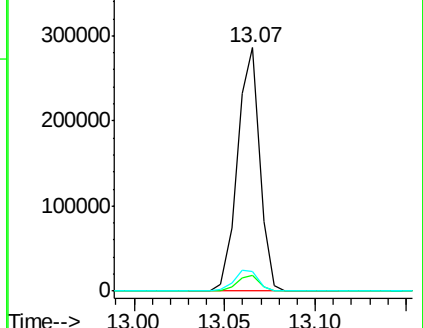
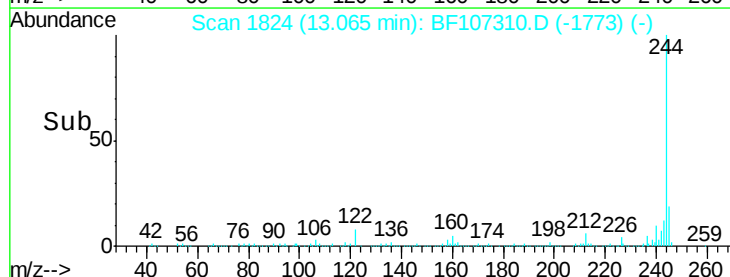
122 8.2 11.0 16.4#

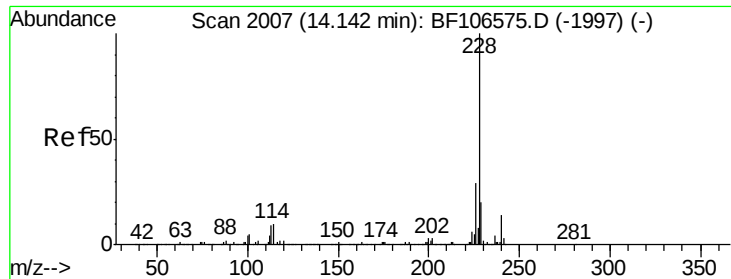


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

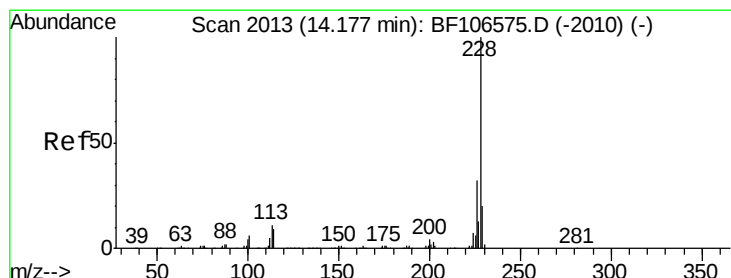
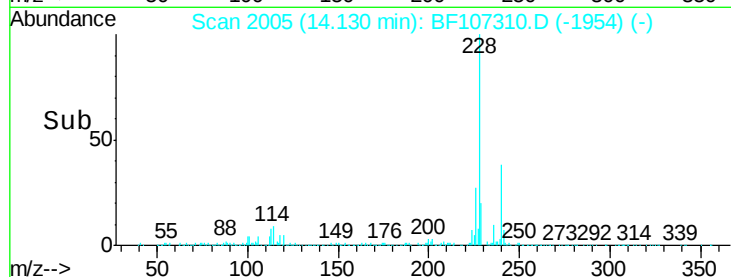
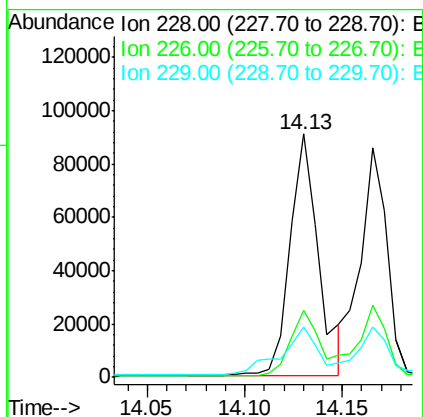
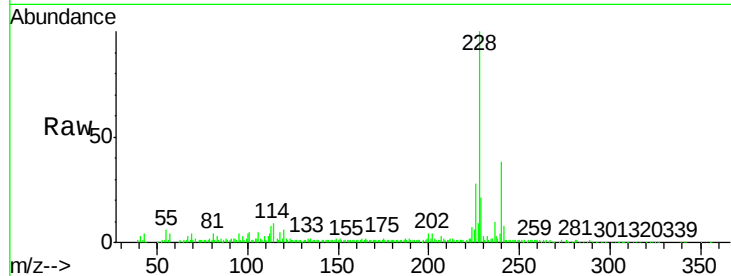




#80
Benzo(a)anthracene
Concen: 8.720 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.00 min
Lab File: BF107310.D
Acq: 11 Jul 2018 19:46

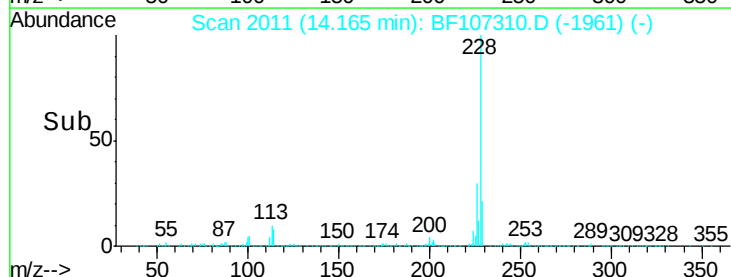
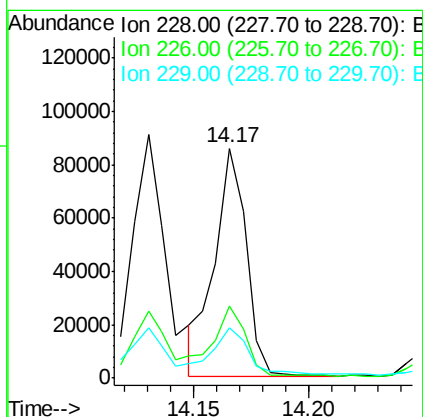
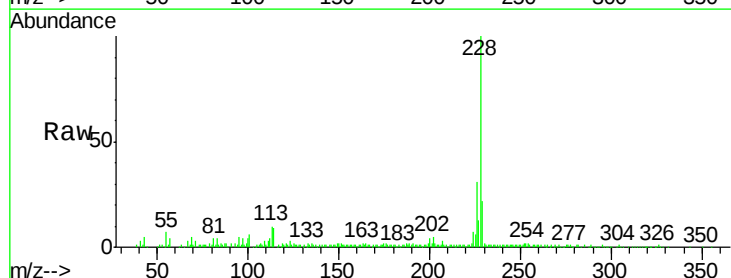
Instrument :
BNA_F
ClientSampleId :
NEMH

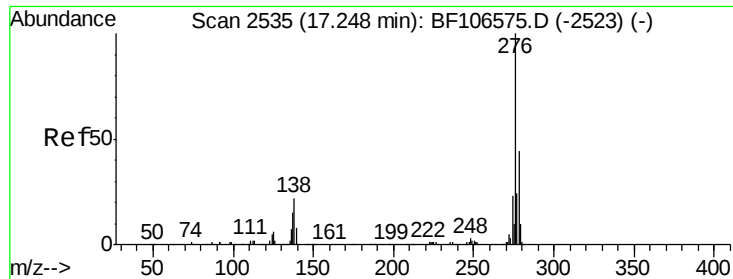
Tgt Ion:228 Resp: 92372
Ion Ratio Lower Upper
228 100
226 27.5 22.6 33.8
229 20.9 15.8 23.6



#82
Chrysene
Concen: 8.352 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF107310.D
Acq: 11 Jul 2018 19:46

Tgt Ion:228 Resp: 81399
Ion Ratio Lower Upper
228 100
226 31.3 25.0 37.6
229 22.1 16.2 24.4

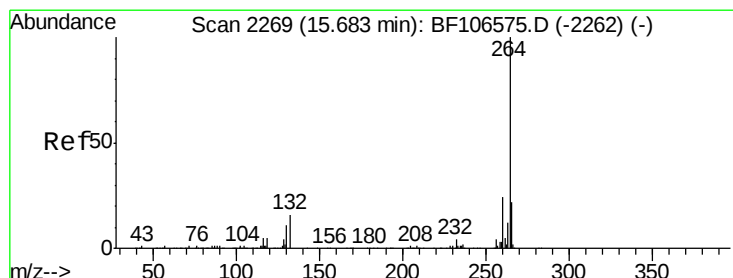
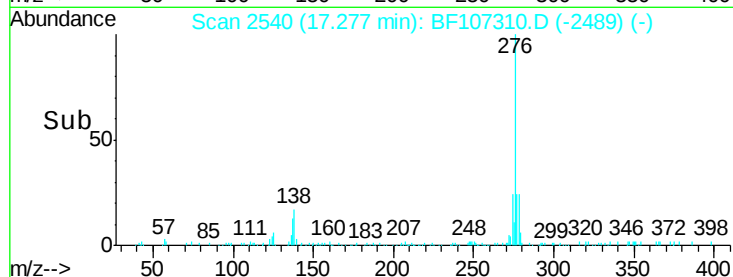
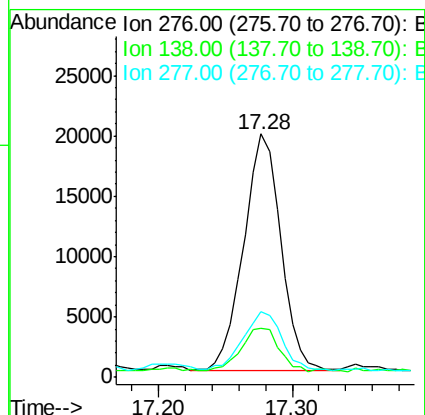
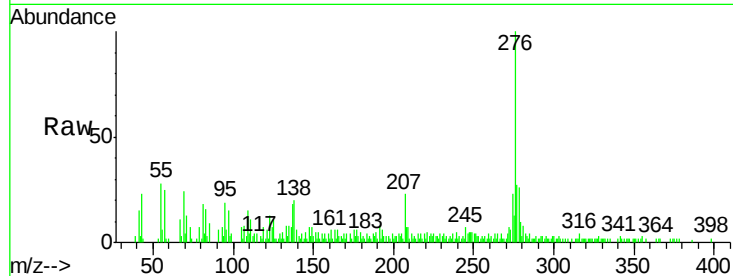




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.596 ng
 RT: 17.28 min Scan# 2540
 Delta R.T. -0.00 min
 Lab File: BF107310.D
 Acq: 11 Jul 2018 19:46

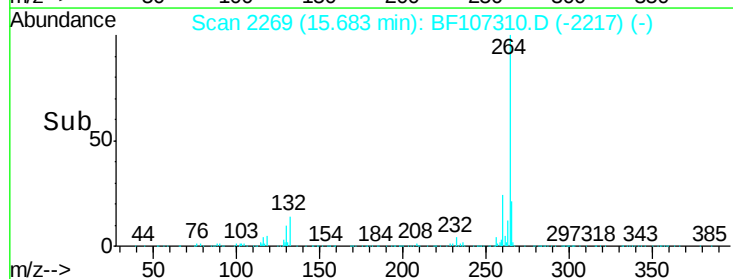
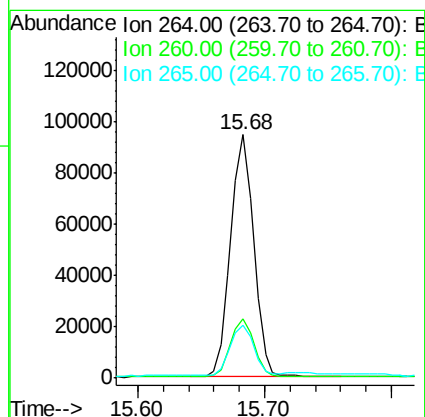
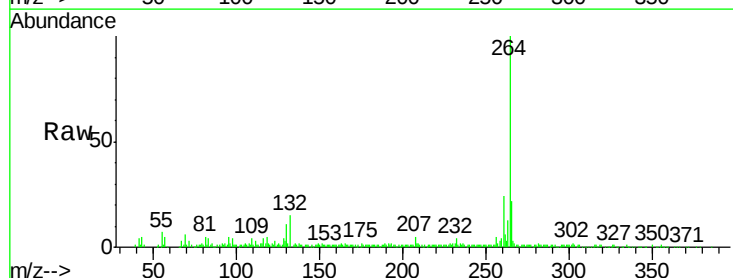
Instrument :
 BNA_F
 ClientSampleId :
 NEMH

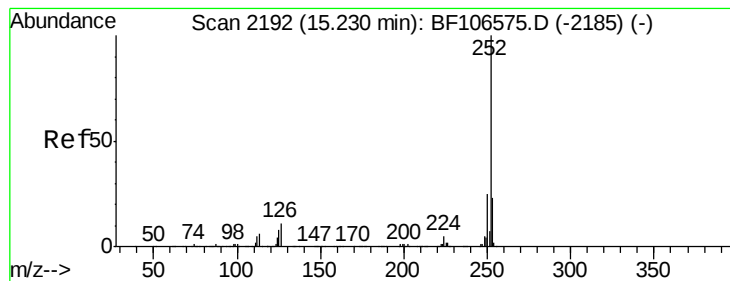
Tgt Ion:276 Resp: 38013
 Ion Ratio Lower Upper
 276 100
 138 18.5 25.0 37.6#
 277 26.4 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF107310.D
 Acq: 11 Jul 2018 19:46

Tgt Ion:264 Resp: 119788
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 21.6 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 15.864 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BF107310.D

Acq: 11 Jul 2018 19:46

Instrument :

BNA_F

ClientSampleId :

NEMH

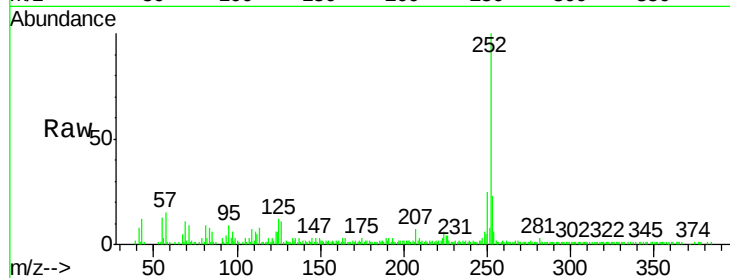
Tgt Ion:252 Resp: 118050

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

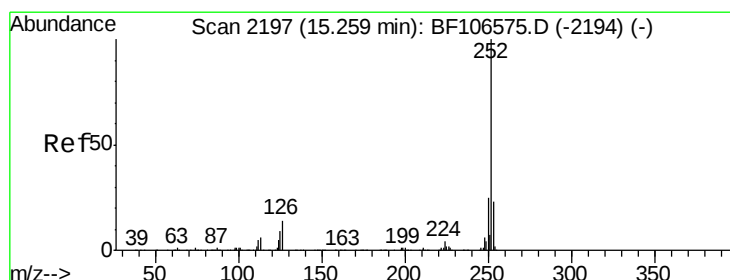
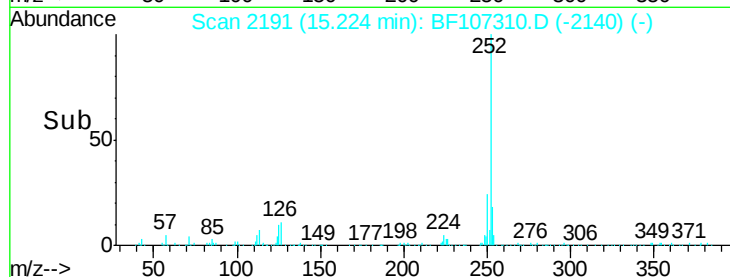
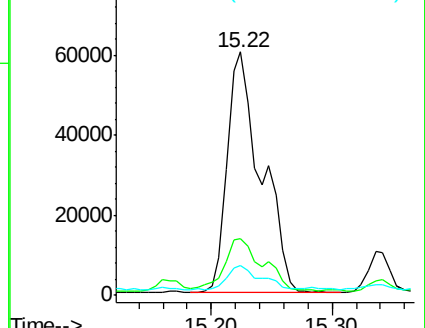
125 12.1 9.0 13.6



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: 16.659 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.03 min

Lab File: BF107310.D

Acq: 11 Jul 2018 19:46

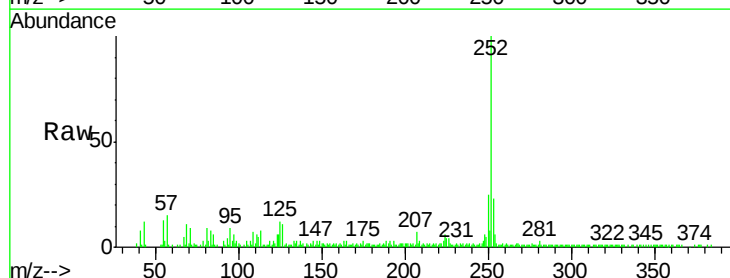
Tgt Ion:252 Resp: 118050

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

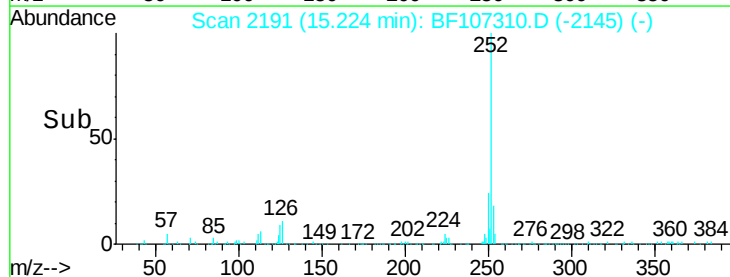
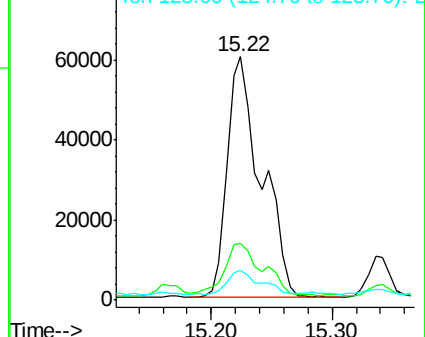
125 12.1 10.2 15.2

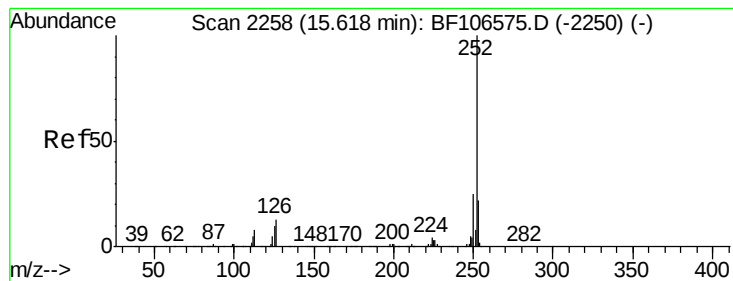


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 8.708 ng

RT: 15.62 min Scan# 2258

Delta R.T. -0.00 min

Lab File: BF107310.D

Acq: 11 Jul 2018 19:46

Instrument :

BNA_F

ClientSampleId :

NEMH

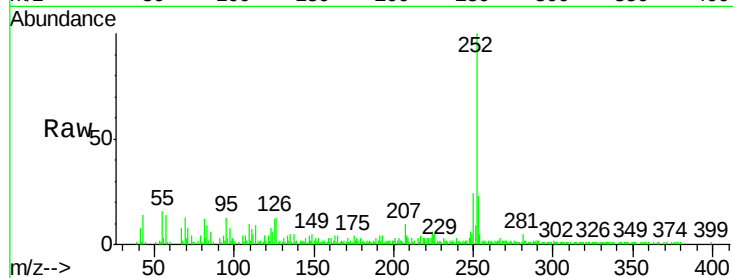
Tgt Ion:252 Resp: 57605

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

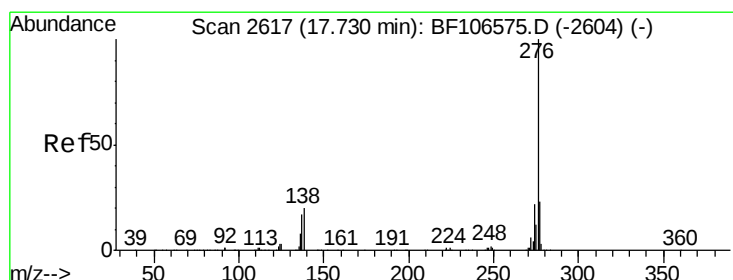
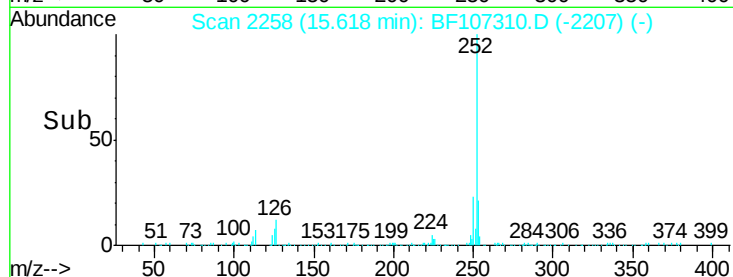
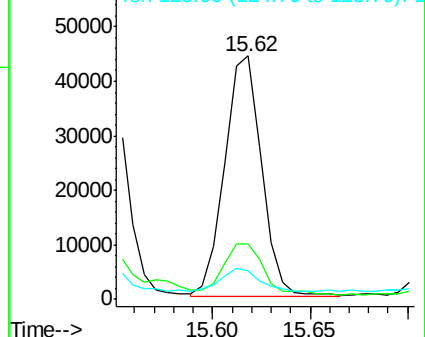
125 11.8 9.8 14.6



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: 6.965 ng

RT: 17.77 min Scan# 2623

Delta R.T. 0.01 min

Lab File: BF107310.D

Acq: 11 Jul 2018 19:46

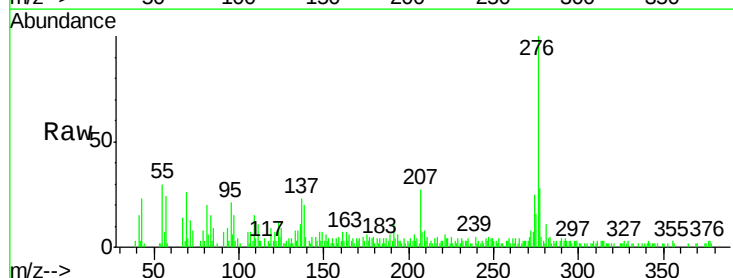
Tgt Ion:276 Resp: 38167

Ion Ratio Lower Upper

276 100

277 28.1 17.9 26.9#

138 19.7 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

