

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
 Data File : BF107624.D
 Acq On : 24 Jul 2018 17:38
 Operator : JU/SJ
 Sample : J4096-09 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-11

Quant Time: Jul 25 01:03:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

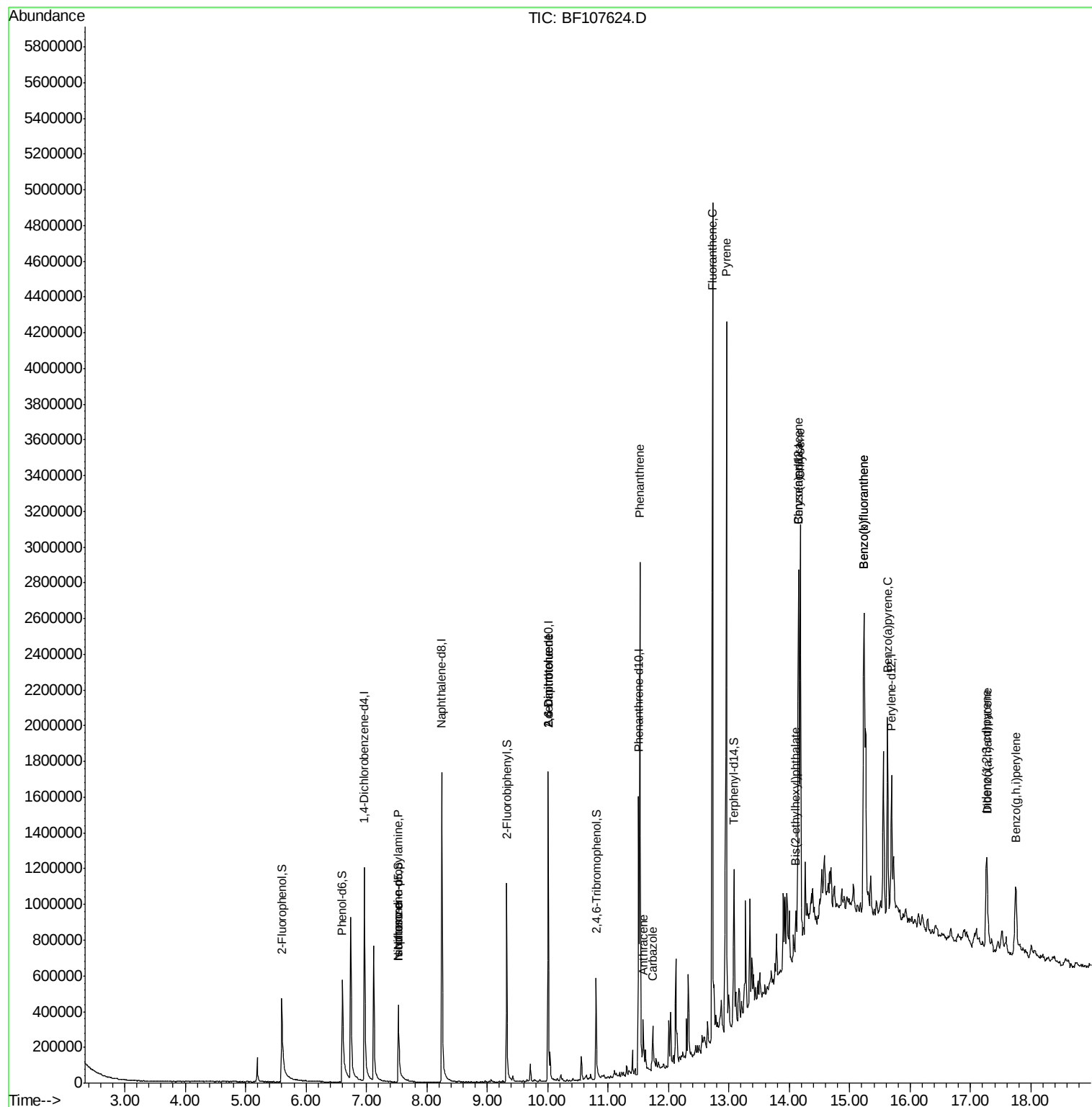
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	241410	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	974269	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	391085	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	676864	20.00	ng	0.00
75) Chrysene-d12	14.16	240	504553	20.00	ng	0.00
86) Perylene-d12	15.69	264	458400	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	296921	19.78	ng	0.00
7) Phenol-d6	6.60	99	419274	23.26	ng	-0.01
23) Nitrobenzene-d5	7.53	82	241255	16.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	82812	18.62	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	417633	11.57	ng	-0.02
78) Terphenyl-d14	13.08	244	315366	16.00	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.60	77	463	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.53	70	28559	2.452 ng	#	82
25) Isophorone	7.53	82	241255	7.827 ng	#	64
50) 2,6-Dinitrotoluene	10.01	165	49480	8.455 ng	#	25
56) 2,4-Dinitrotoluene	10.01	165	49834	7.055 ng	#	23
70) Phenanthrene	11.53	178	1122859	34.043 ng		99
71) Anthracene	11.58	178	116788	3.517 ng		97
72) Carbazole	11.74	167	147707	4.277 ng		98
73) Di-n-butylphthalate	12.05	149	2697	Below Cal	#	56
74) Fluoranthene	12.73	202	2325309	65.698 ng		96
77) Pyrene	12.96	202	1873875	54.296 ng		98
80) Benzo(a)anthracene	14.15	228	732559	24.776 ng		97
81) 3,3'-Dichlorobenzidine	14.11	252	594	Below Cal	#	26
82) Chrysene	14.18	228	1036252	36.484 ng		98
83) Bis(2-ethylhexyl)phthalate	14.11	149	68983	3.294 ng	#	99
85) Indeno(1,2,3-cd)pyrene	17.27	276	412092	17.119 ng	#	88
87) Benzo(b)fluoranthene	15.24	252	1520179	60.595 ng		97
88) Benzo(k)fluoranthene	15.24	252	1520179	61.849 ng		97
89) Benzo(a)pyrene	15.62	252	647754	28.226 ng		97
90) Dibenzo(a,h)anthracene	17.28	278	85043	4.287 ng	#	93
91) Benzo(g,h,i)perylene	17.75	276	387517	19.804 ng	#	91

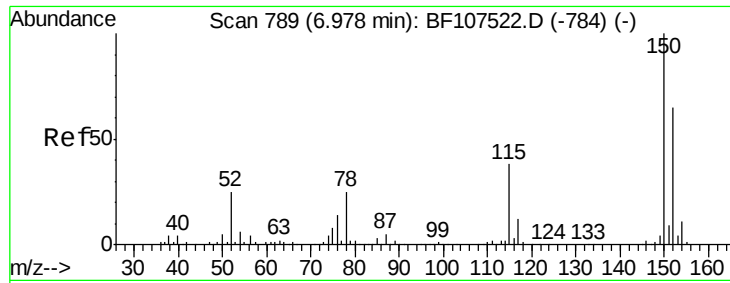
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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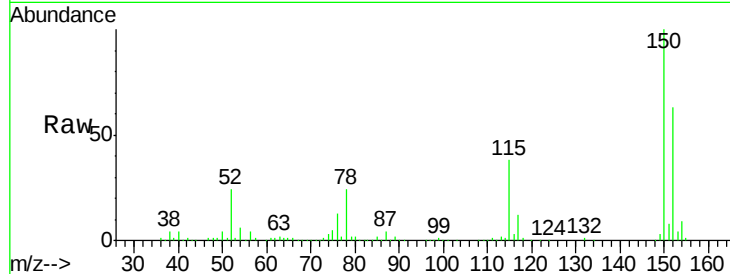


#1

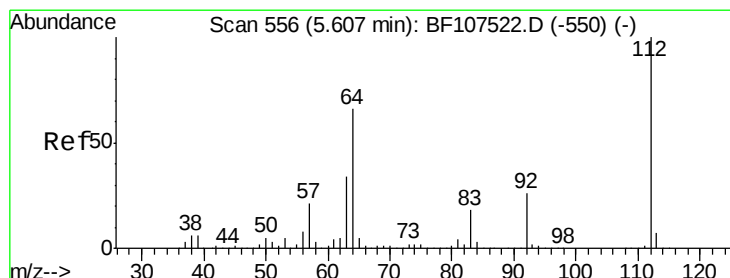
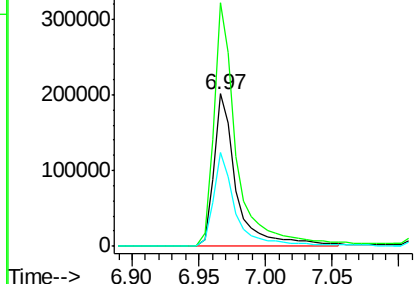
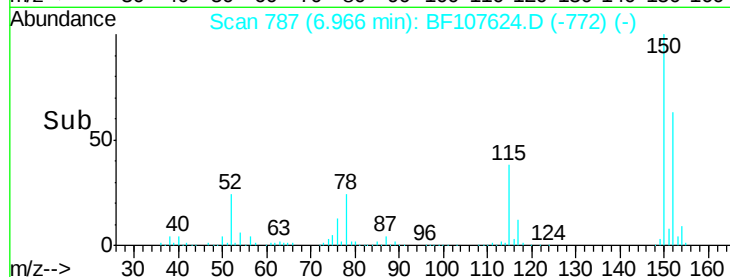
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

Instrument :
BNA_F
ClientSampled :
DW-11

Tgt Ion:152 Resp: 241410
Ion Ratio Lower Upper
152 100
150 159.9 124.6 186.8
115 61.3 50.1 75.1



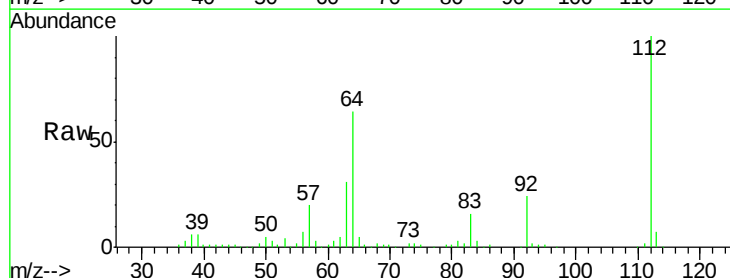
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



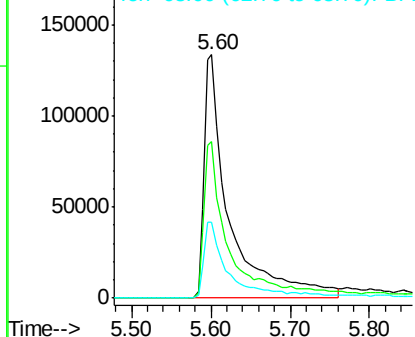
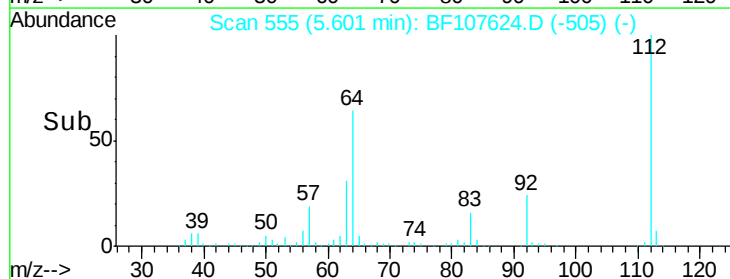
#5

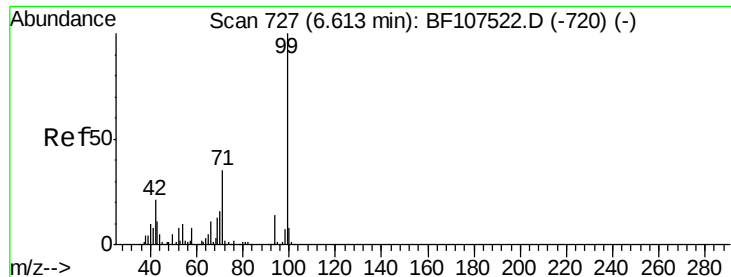
2-Fluorophenol
Concen: 19.775 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

Tgt Ion:112 Resp: 296921
Ion Ratio Lower Upper
112 100
64 64.2 47.9 71.9
63 31.1 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: 23.256 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107624.D

Acq: 24 Jul 2018 17:38

Instrument :

BNA_F

ClientSampleId :

DW-11

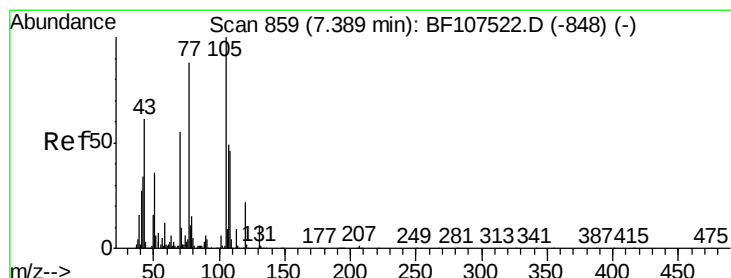
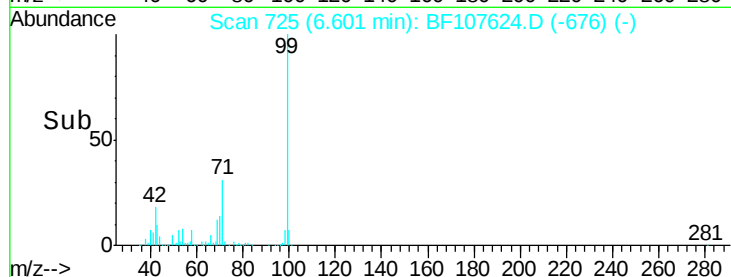
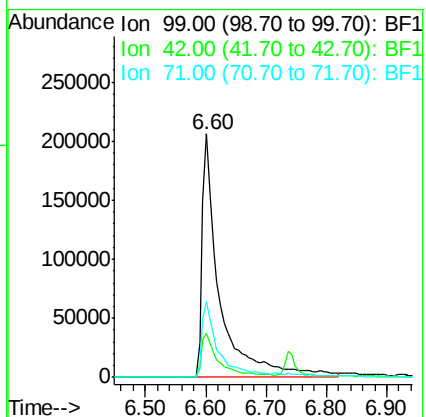
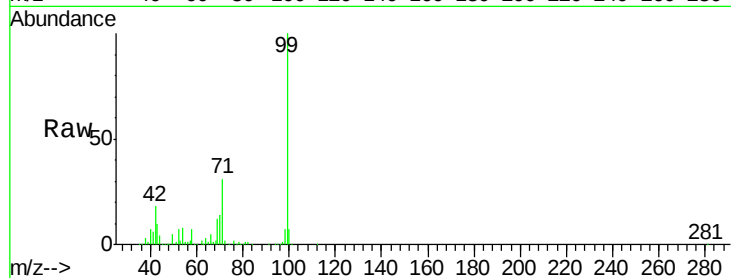
Tgt Ion: 99 Resp: 419274

Ion Ratio Lower Upper

99 100

42 18.2 14.5 21.7

71 31.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.452 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF107624.D

Acq: 24 Jul 2018 17:38

Tgt Ion: 70 Resp: 28559

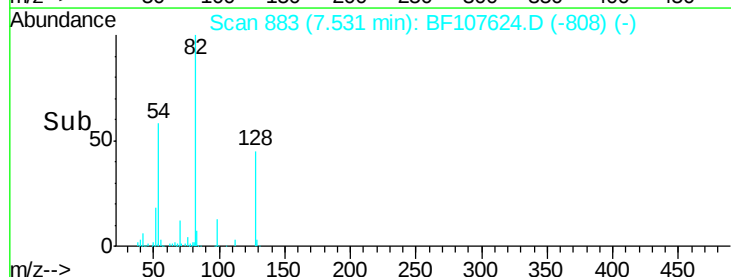
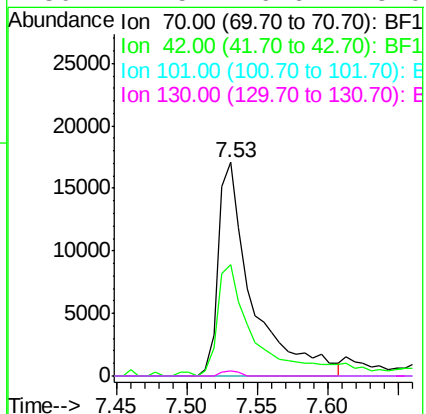
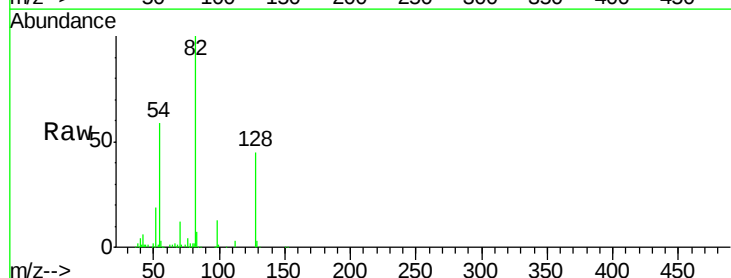
Ion Ratio Lower Upper

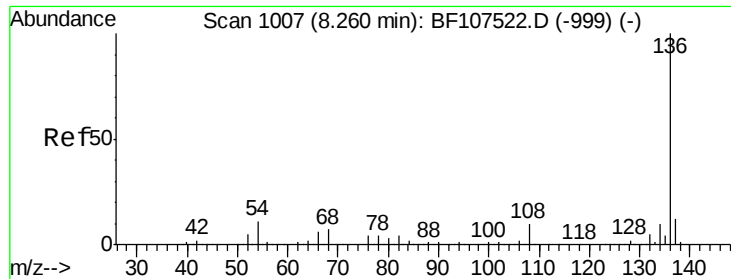
70 100

42 52.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

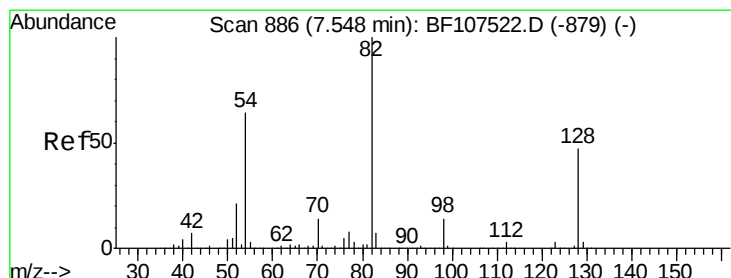
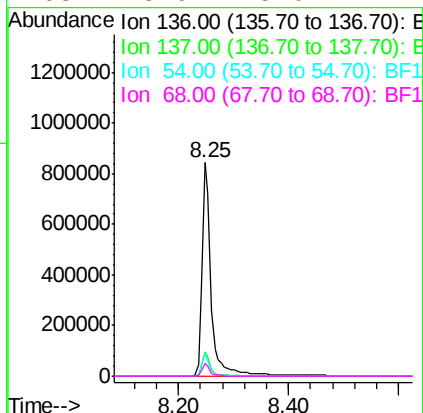
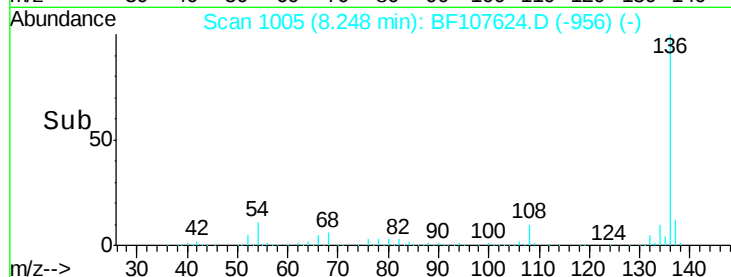
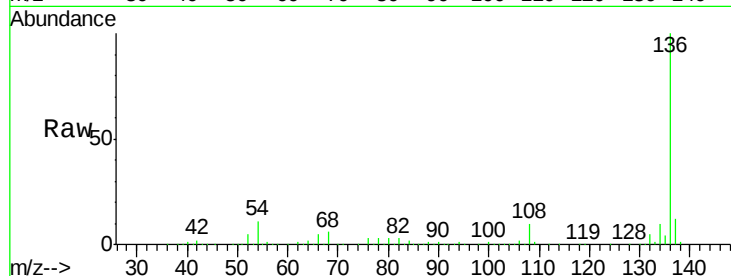




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

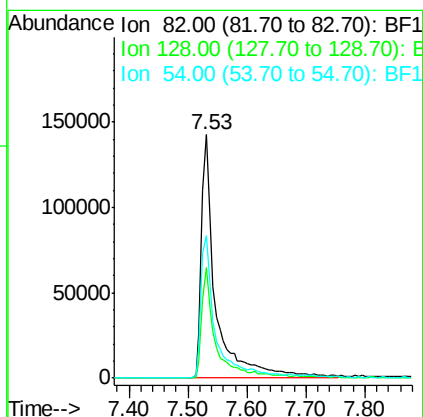
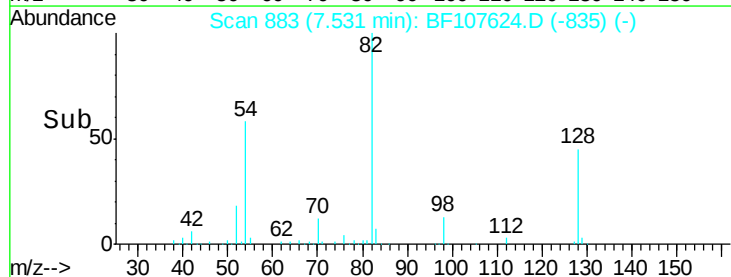
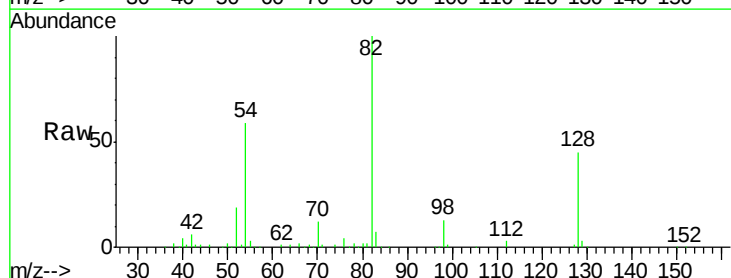
Instrument :
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Tgt Ion: 136 Resp: 974269
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 10.5 6.6 9.8#
68 5.9 5.0 7.4



#23
Nitrobenzene-d5
Concen: 16.712 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

Tgt Ion: 82 Resp: 241255
Ion Ratio Lower Upper
82 100
128 45.2 36.1 54.1
54 58.5 41.4 62.2





#25

Isophorone

Concen: 7.827 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF107624.D

Acq: 24 Jul 2018 17:38

Instrument :

BNA_F

ClientSampleId :

DW-11

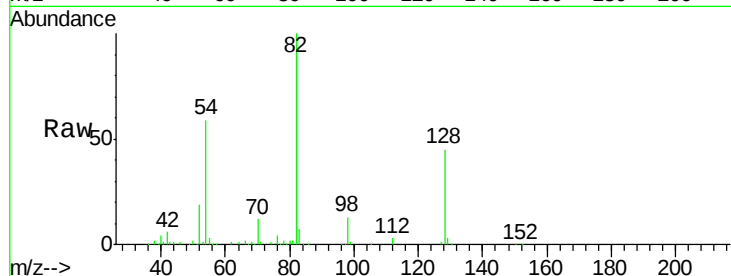
Tgt Ion: 82 Resp: 241255

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

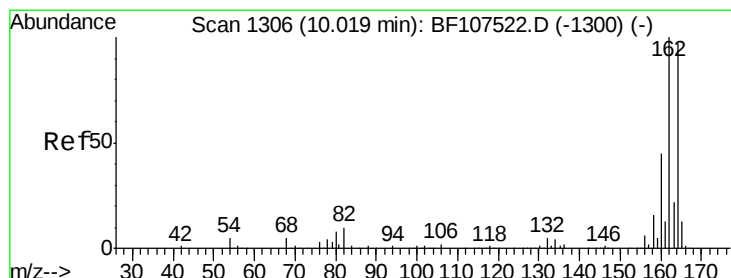
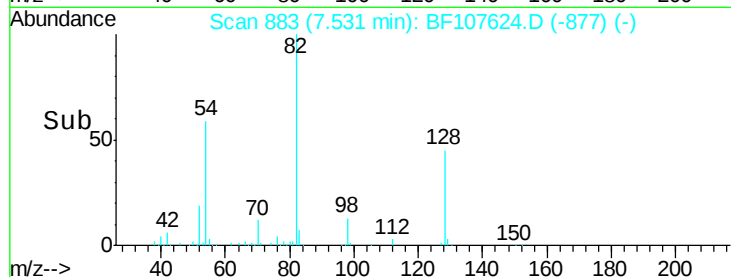
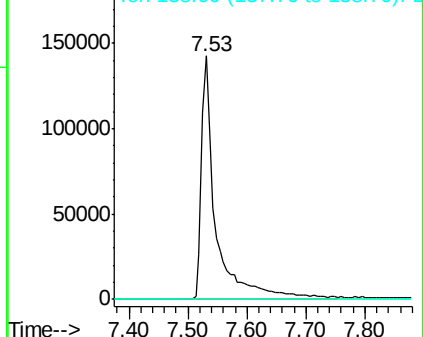
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF107624.D

Acq: 24 Jul 2018 17:38

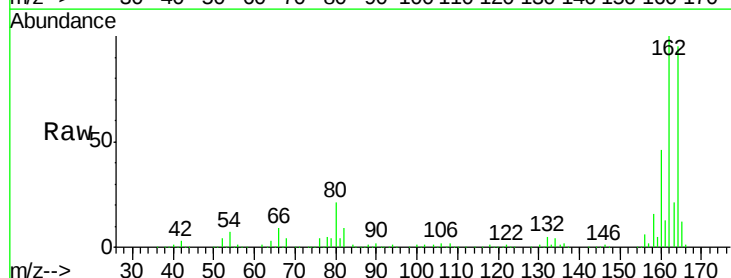
Tgt Ion: 164 Resp: 391085

Ion Ratio Lower Upper

164 100

162 104.8 86.1 129.1

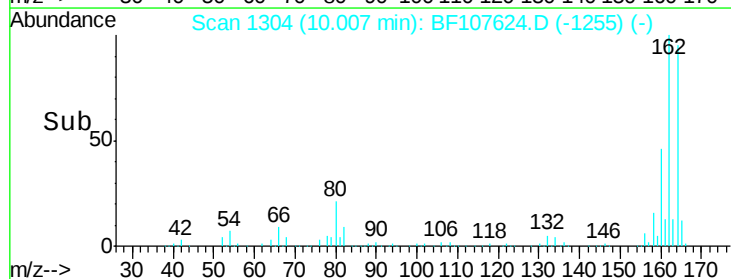
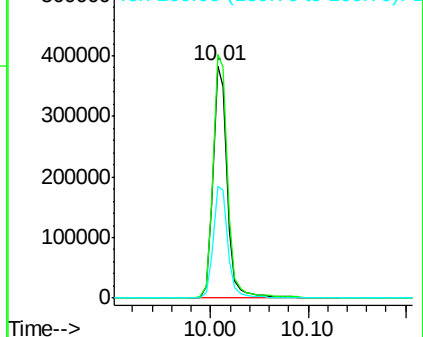
160 48.1 38.3 57.5

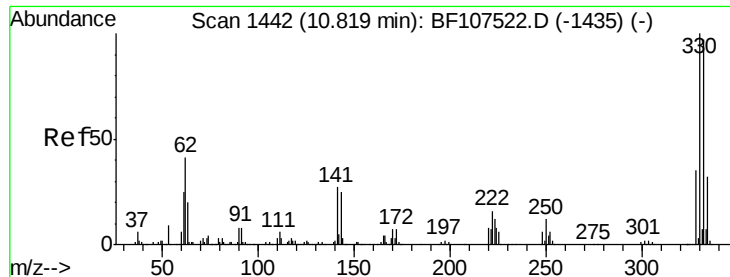


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

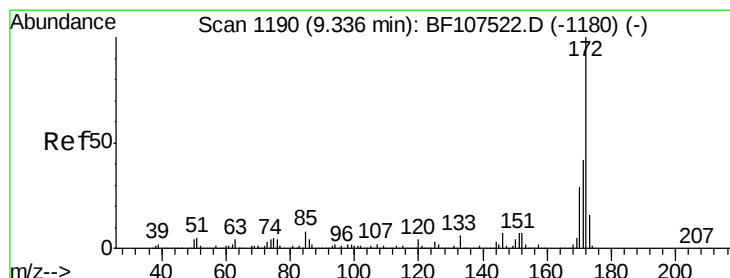
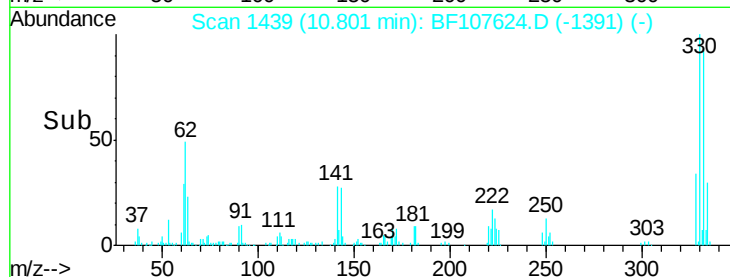
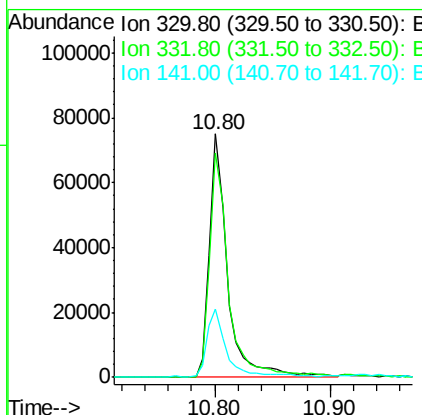
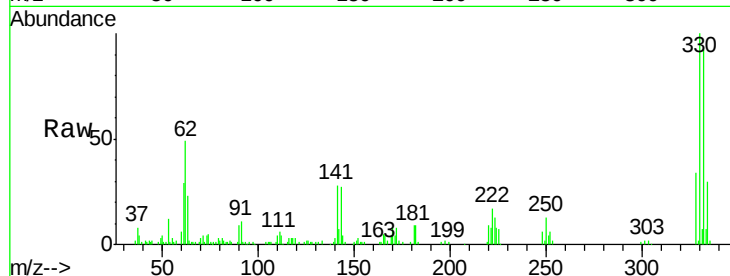




#41
 2,4,6-Tribromophenol
 Concen: 18.621 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107624.D
 Acq: 24 Jul 2018 17:38

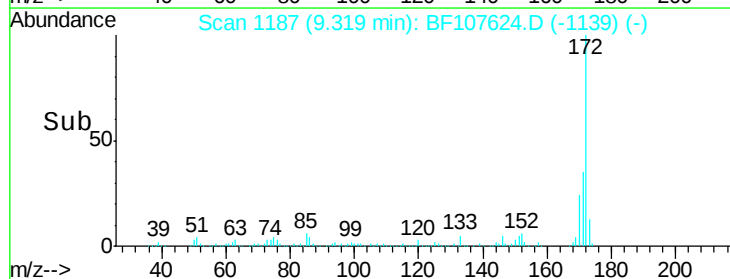
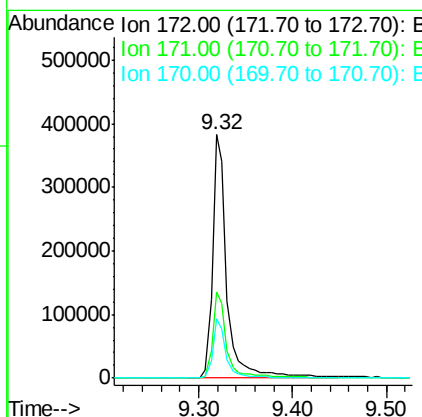
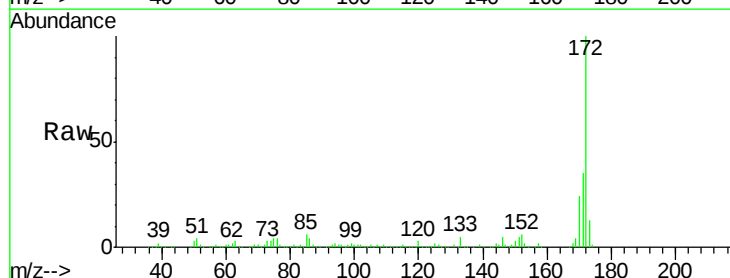
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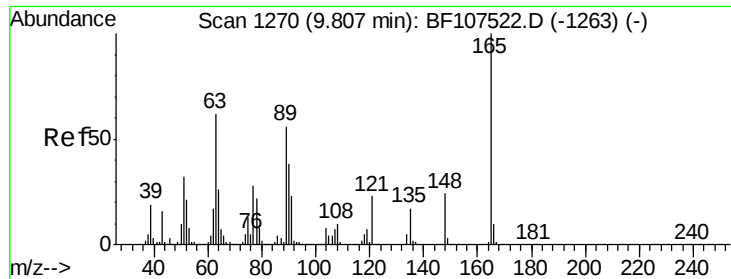
Tgt Ion: 330 Resp: 82812
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 30.9 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 11.570 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107624.D
 Acq: 24 Jul 2018 17:38

Tgt Ion: 172 Resp: 417633
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 24.1 19.6 29.4

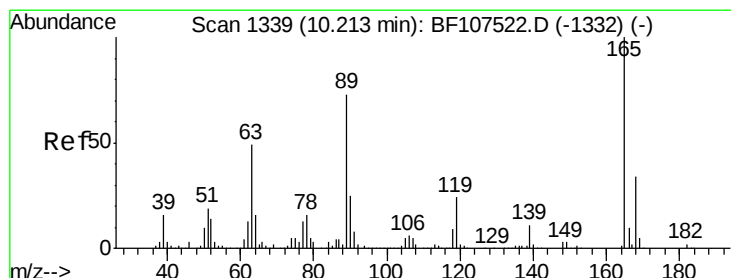
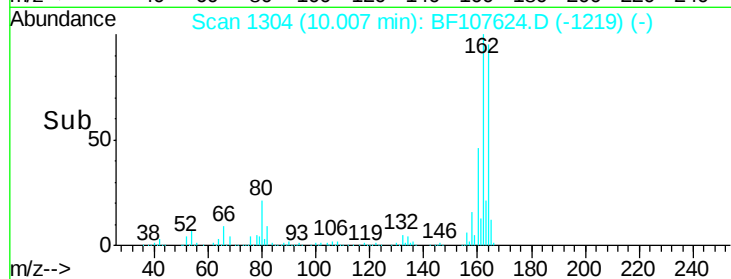
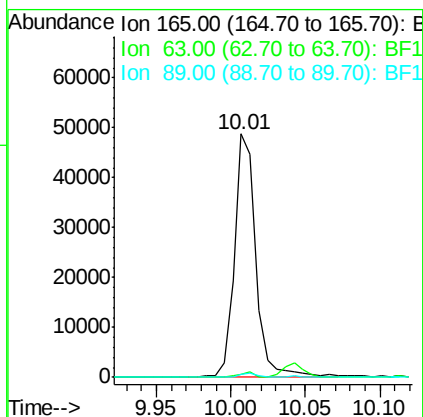
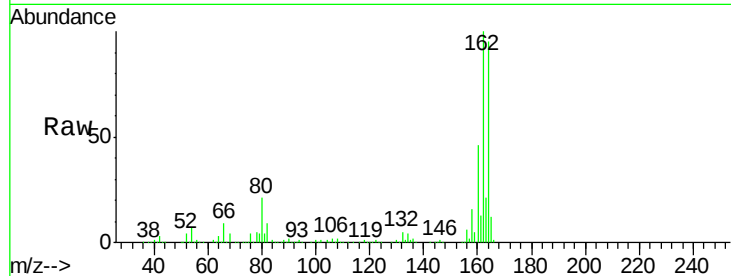




#50
 2,6-Dinitrotoluene
 Concen: 8.455 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. 0.20 min
 Lab File: BF107624.D
 Acq: 24 Jul 2018 17:38

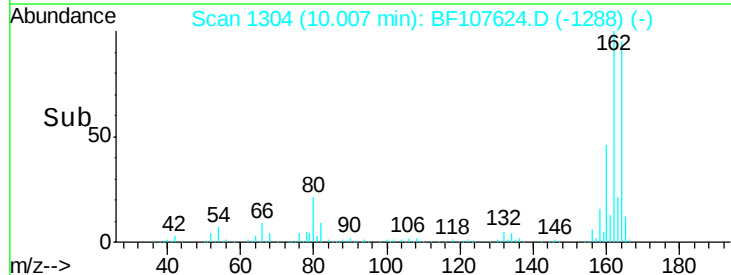
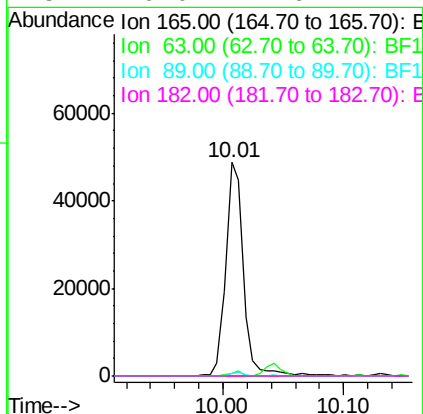
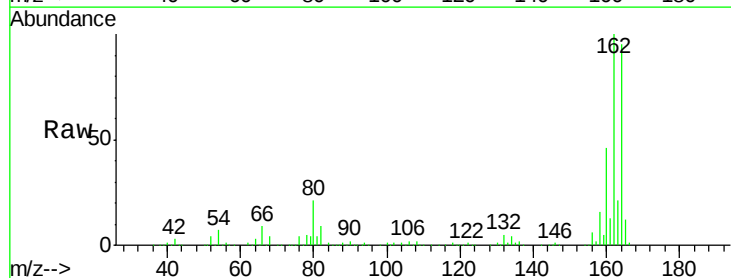
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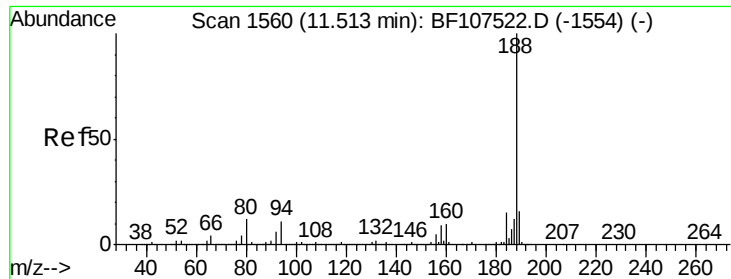
Tgt Ion:165 Resp: 49480
 Ion Ratio Lower Upper
 165 100
 63 1.2 44.7 67.1#
 89 1.1 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.055 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.21 min
 Lab File: BF107624.D
 Acq: 24 Jul 2018 17:38

Tgt Ion:165 Resp: 49834
 Ion Ratio Lower Upper
 165 100
 63 1.2 36.4 54.6#
 89 1.1 57.8 86.6#
 182 0.0 1.6 2.4#

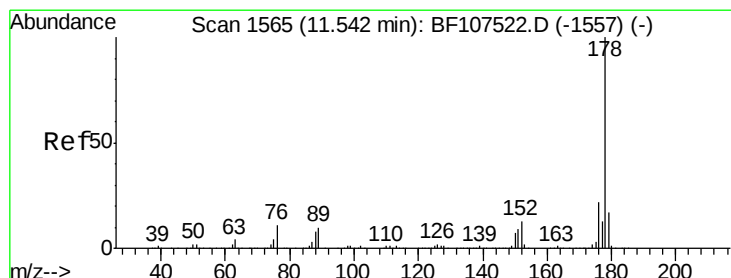
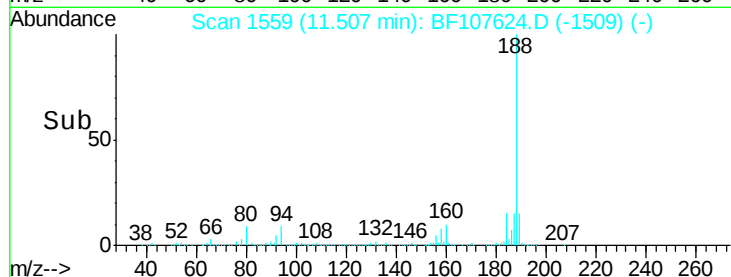
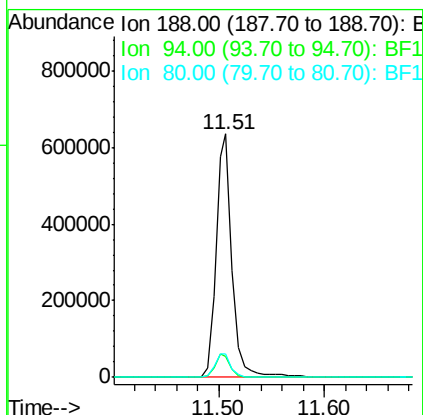
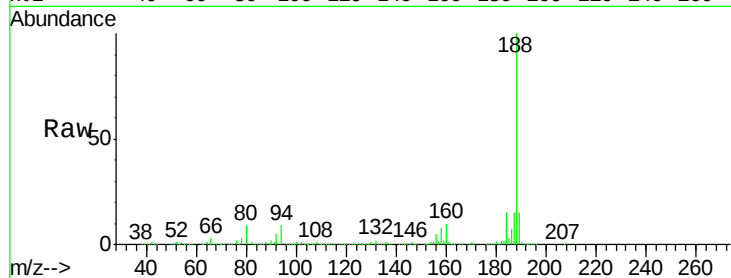




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

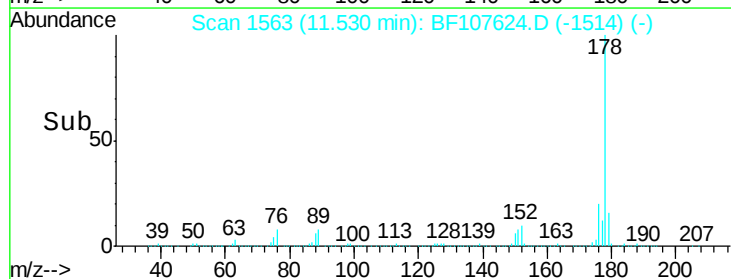
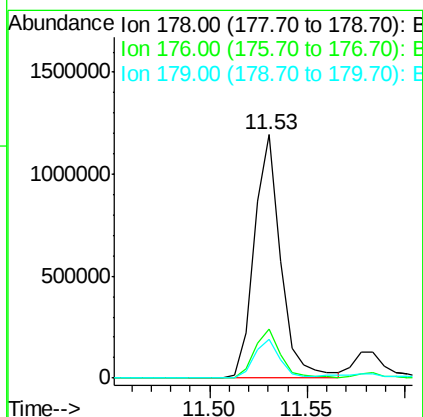
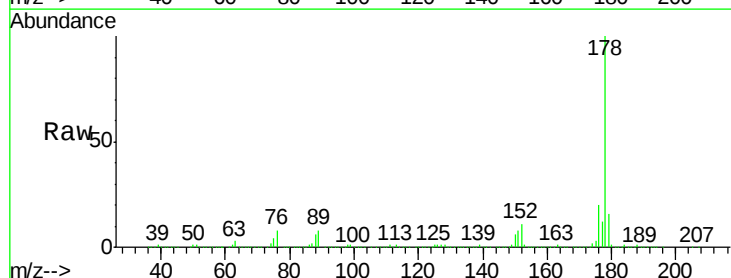
Instrument :
BNA_F
ClientSampleId :
DW-11

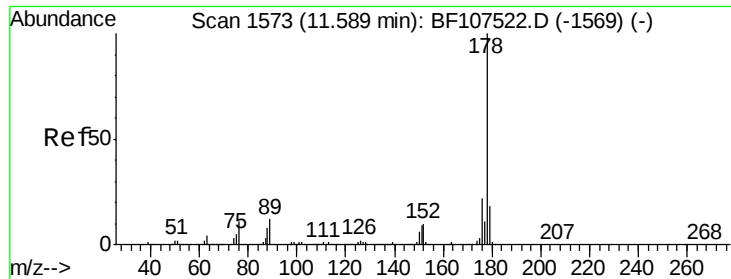
Tgt Ion:188 Resp: 676864
Ion Ratio Lower Upper
188 100
94 8.7 8.5 12.7
80 9.5 9.2 13.8



#70
Phenanthrene
Concen: 34.043 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

Tgt Ion:178 Resp: 1122859
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.8
179 15.9 13.0 19.6

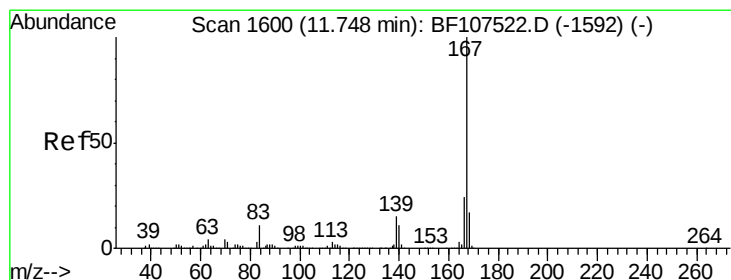
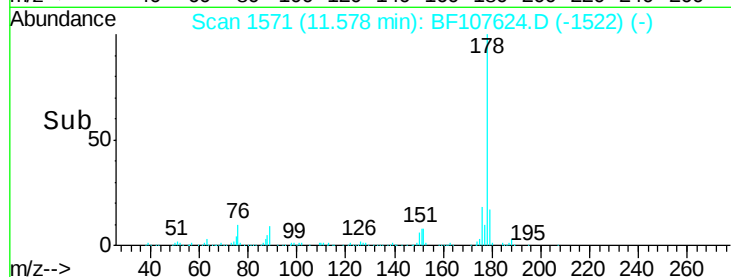
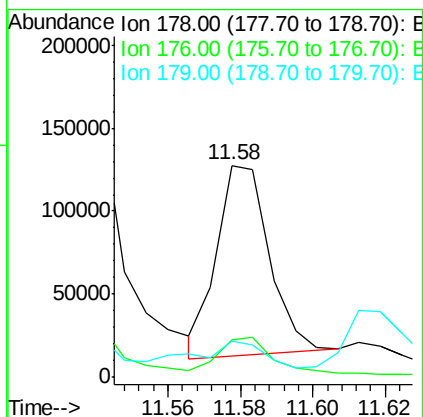
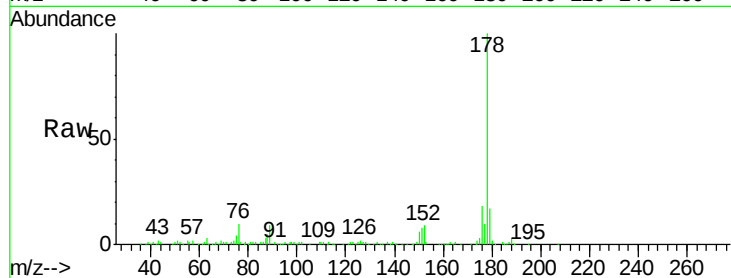




#71
 Anthracene
 Concen: 3.517 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF107624.D
 Acq: 24 Jul 2018 17:38

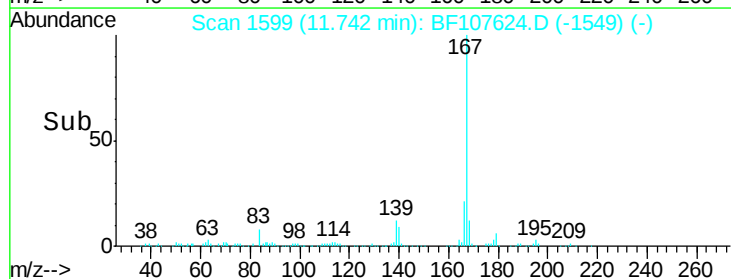
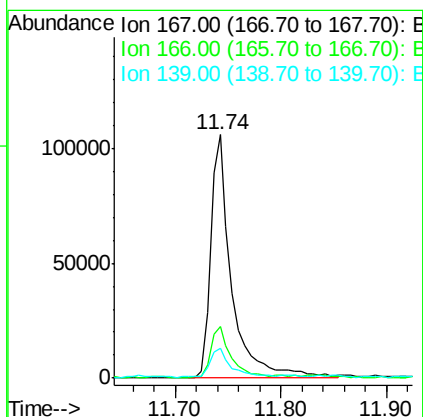
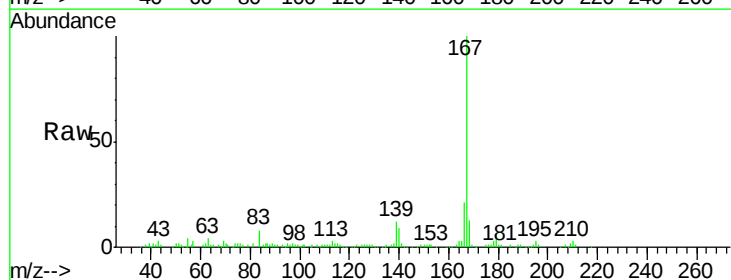
Instrument :
 BNA_F
 ClientSampleId :
 DW-11

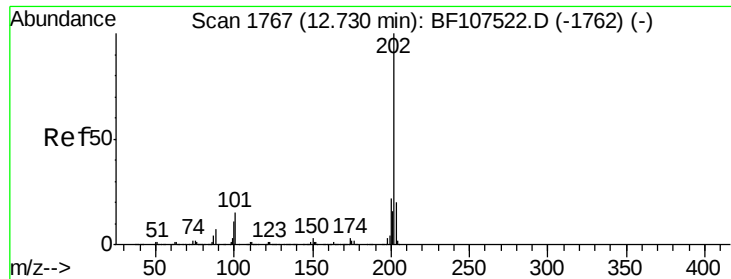
Tgt Ion:178 Resp: 116788
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.4 23.2
 179 17.1 12.6 19.0



#72
 Carbazole
 Concen: 4.277 ng
 RT: 11.74 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF107624.D
 Acq: 24 Jul 2018 17:38

Tgt Ion:167 Resp: 147707
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.6 26.4
 139 12.2 10.9 16.3

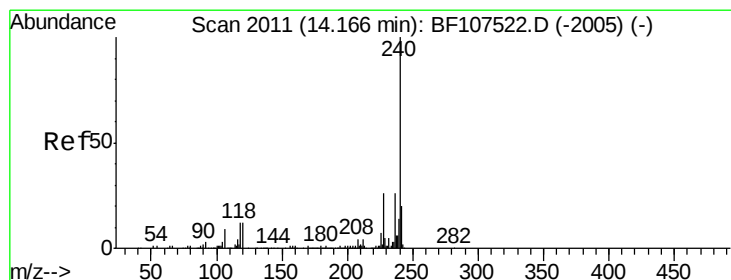
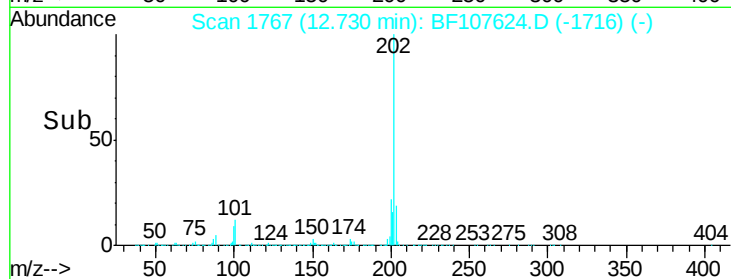
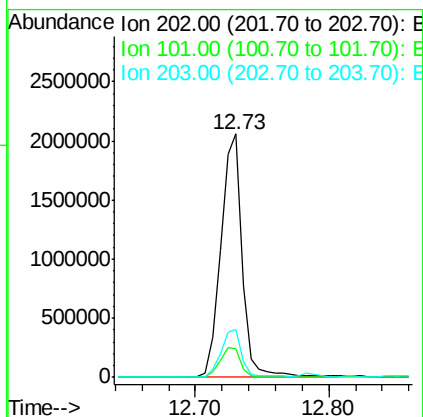
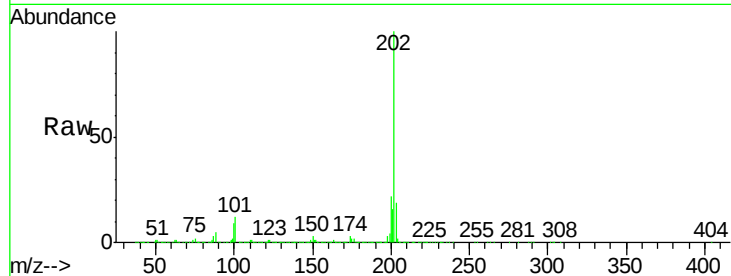




#74
 Fluoranthene
 Concen: 65.698 ng
 RT: 12.73 min Scan# 1767
 Delta R.T. 0.00 min
 Lab File: BF107624.D
 Acq: 24 Jul 2018 17:38

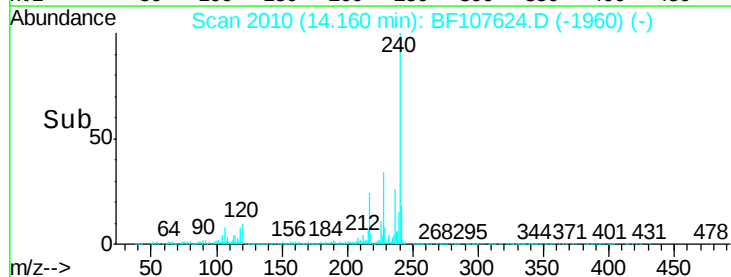
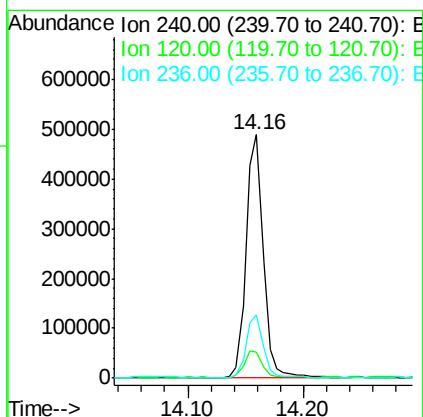
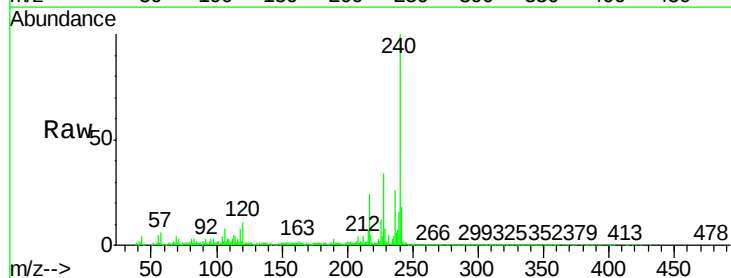
Instrument :
 BNA_F
 ClientSampled :
 DW-11

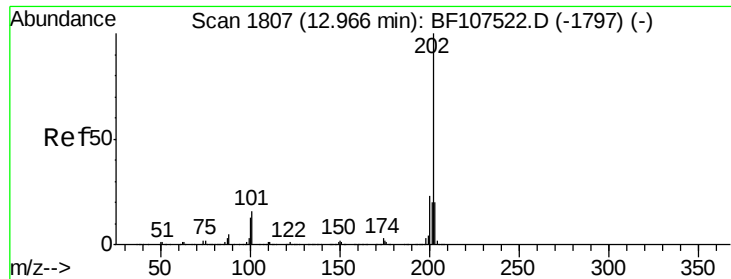
Tgt Ion:202 Resp: 2325309
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 34.1
 203 19.5 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BF107624.D
 Acq: 24 Jul 2018 17:38

Tgt Ion:240 Resp: 504553
 Ion Ratio Lower Upper
 240 100
 120 10.5 9.5 14.3
 236 26.1 20.7 31.1

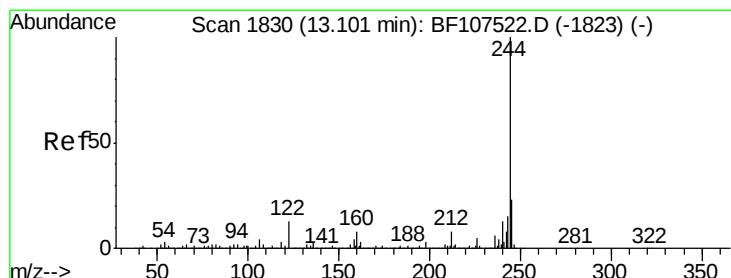
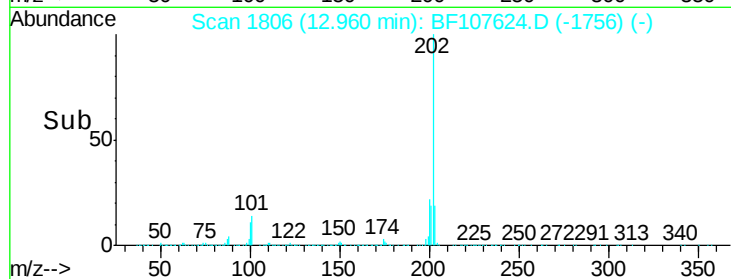
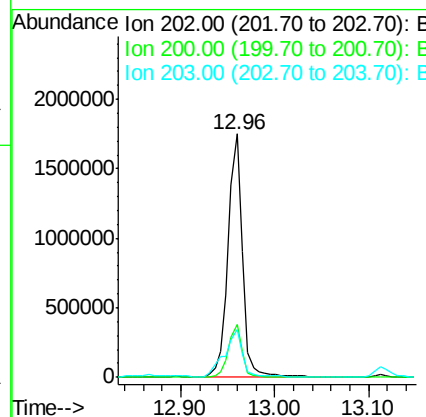
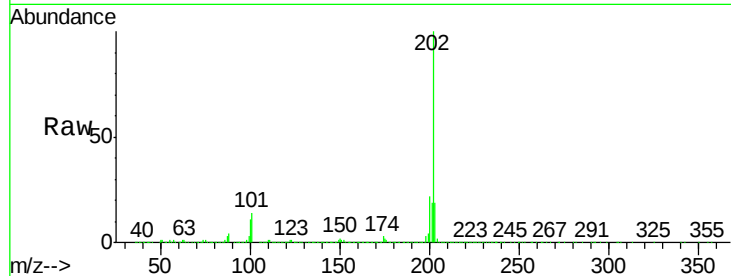




#77
 Pyrene
 Concen: 54.296 ng
 RT: 12.96 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BF107624.D
 Acq: 24 Jul 2018 17:38

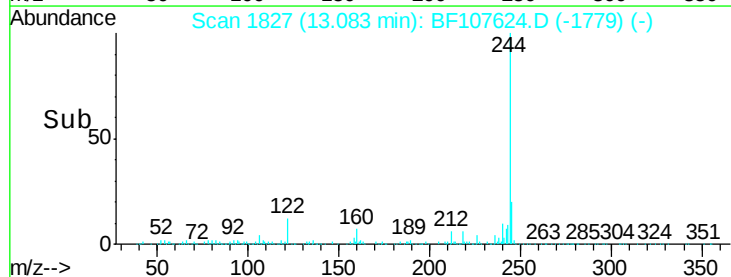
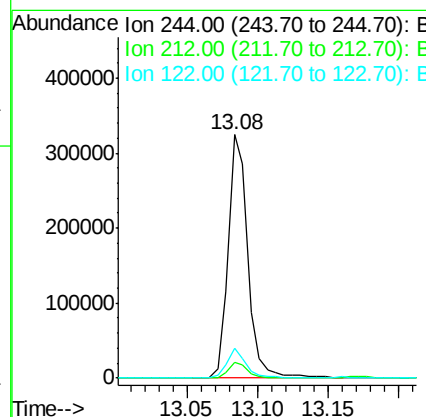
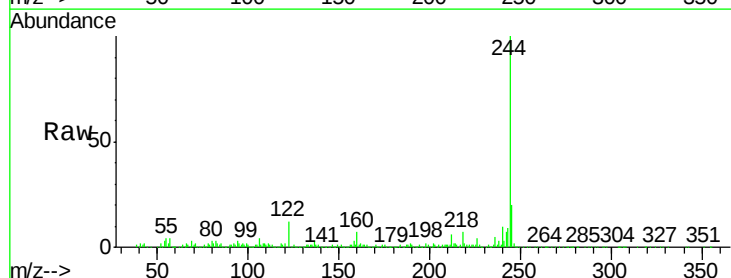
Instrument :
 BNA_F
 ClientSampleId :
 DW-11

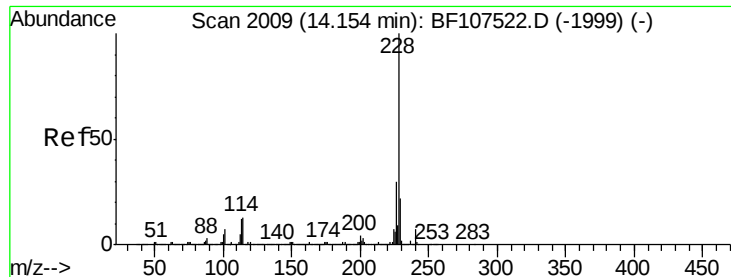
Tgt Ion:202 Resp: 1873875
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.4 26.2
 203 19.4 14.3 21.5



#78
 Terphenyl-d14
 Concen: 16.002 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. -0.02 min
 Lab File: BF107624.D
 Acq: 24 Jul 2018 17:38

Tgt Ion:244 Resp: 315366
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 12.0 11.0 16.4





#80

Benzo(a)anthracene

Concen: 24.776 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF107624.D

Acq: 24 Jul 2018 17:38

Instrument :

BNA_F

ClientSampleId :

DW-11

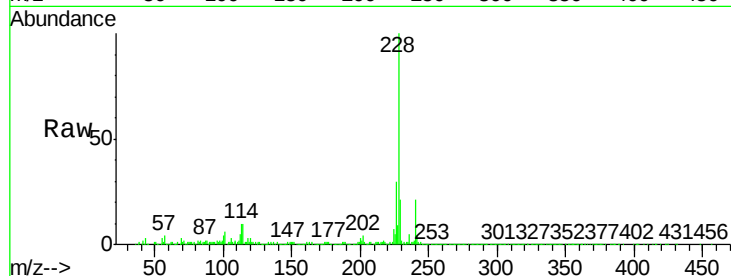
Tgt Ion:228 Resp: 732559

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

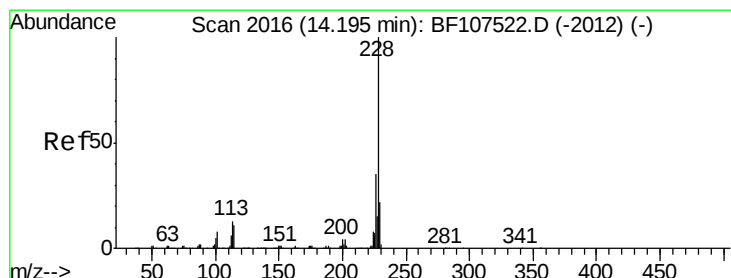
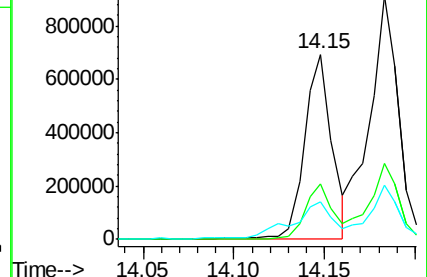
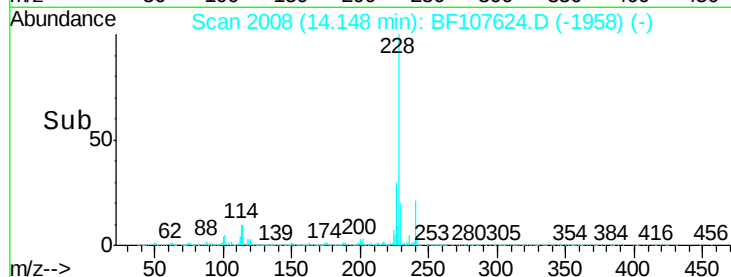
229 20.6 15.8 23.6



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



#82

Chrysene

Concen: 36.484 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF107624.D

Acq: 24 Jul 2018 17:38

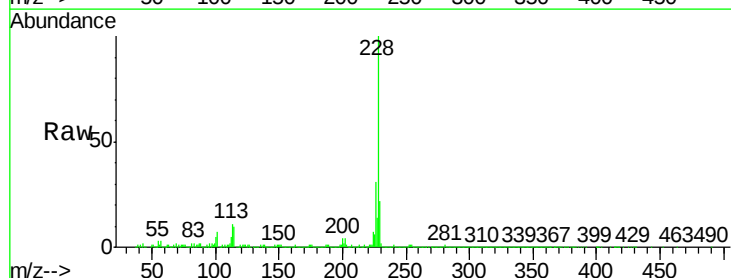
Tgt Ion:228 Resp: 1036252

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

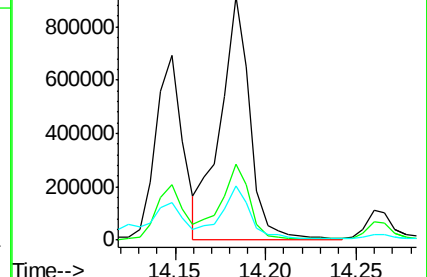
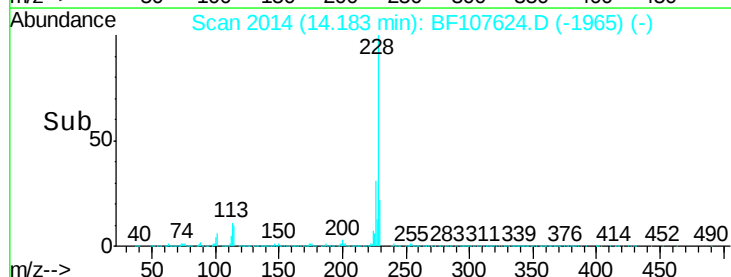
229 22.1 16.2 24.4

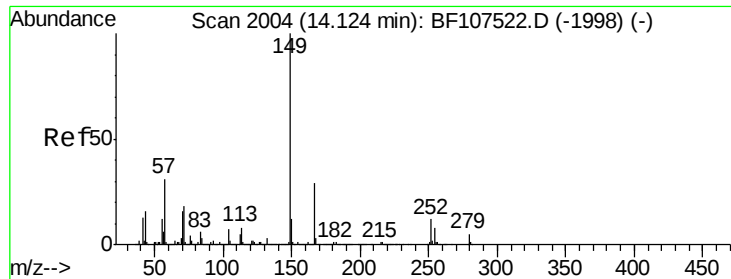


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

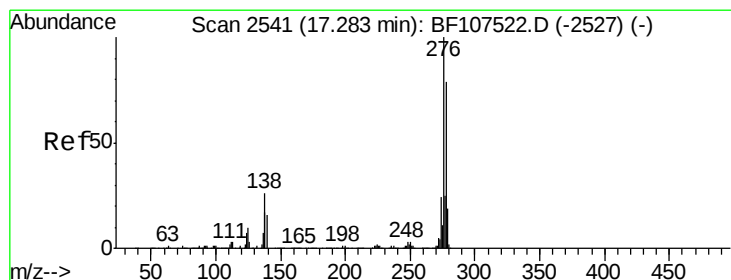
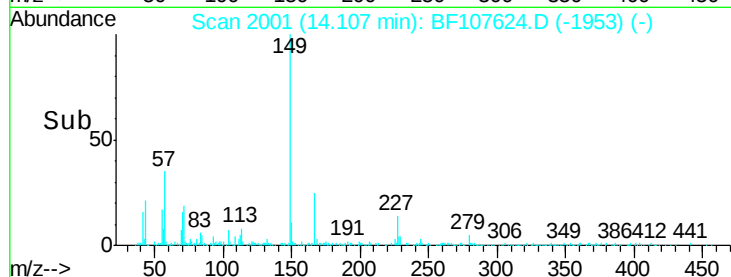
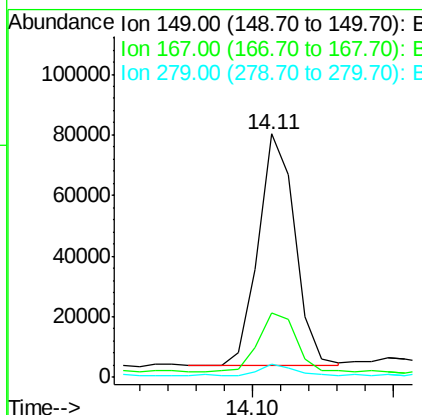
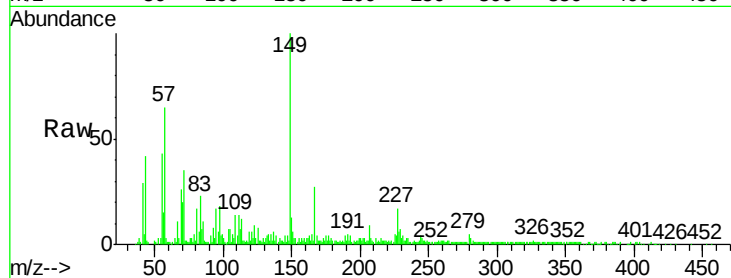




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.294 ng
 RT: 14.11 min Scan# 2001
 Delta R.T. -0.02 min
 Lab File: BF107624.D
 Acq: 24 Jul 2018 17:38

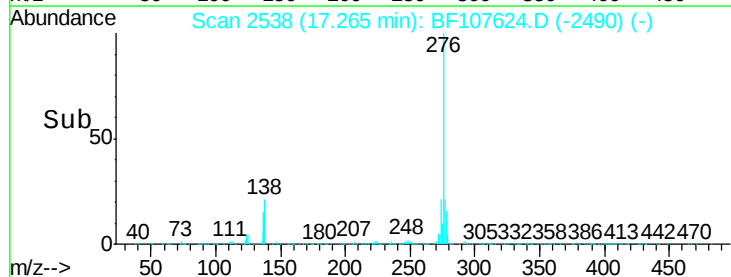
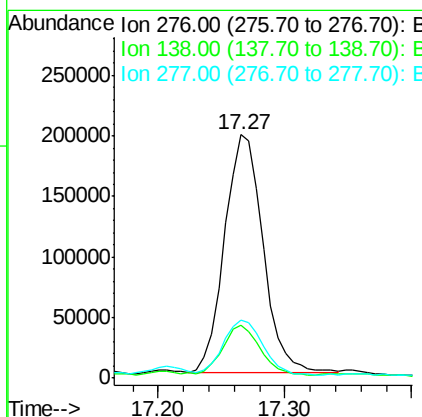
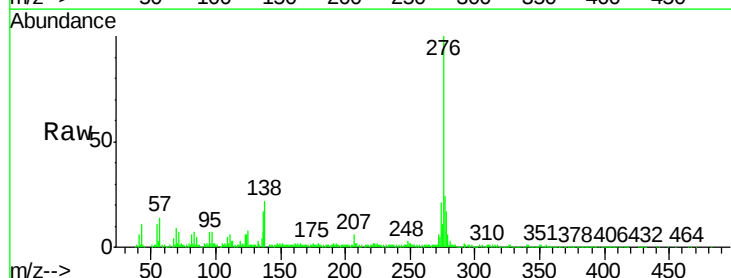
Instrument :
 BNA_F
 ClientSampleId :
 DW-11

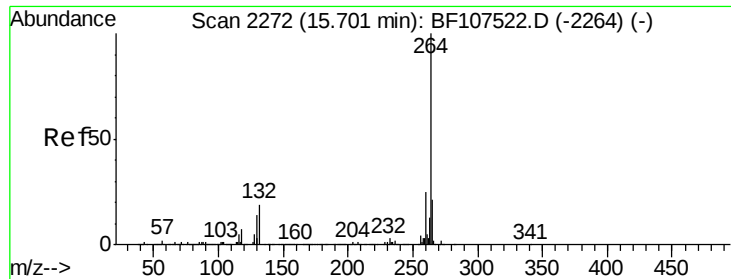
Tgt Ion:149 Resp: 68983
 Ion Ratio Lower Upper
 149 100
 167 26.6 21.3 31.9
 279 5.4 3.0 4.4#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 17.119 ng
 RT: 17.27 min Scan# 2538
 Delta R.T. -0.02 min
 Lab File: BF107624.D
 Acq: 24 Jul 2018 17:38

Tgt Ion:276 Resp: 412092
 Ion Ratio Lower Upper
 276 100
 138 20.7 25.0 37.6#
 277 23.9 20.1 30.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF107624.D

Acq: 24 Jul 2018 17:38

Instrument :

BNA_F

ClientSampleId :

DW-11

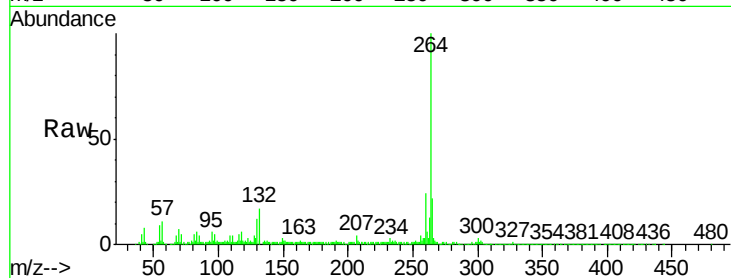
Tgt Ion:264 Resp: 458400

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

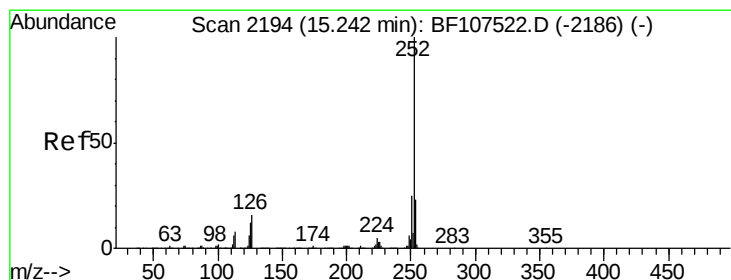
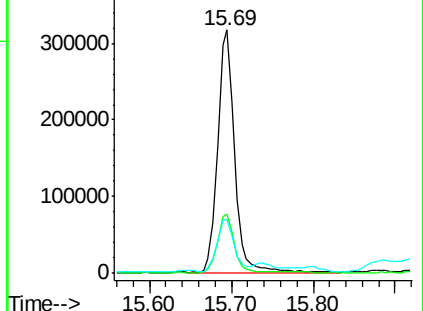
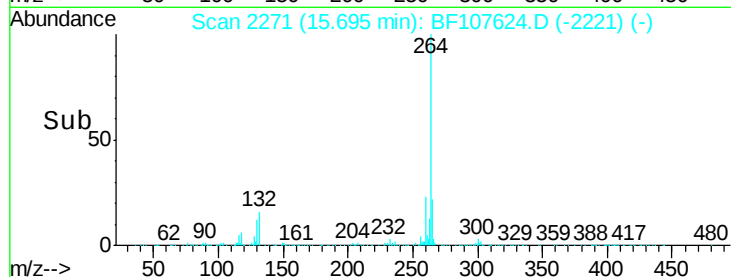
265 22.4 17.5 26.3



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: 60.595 ng

RT: 15.24 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BF107624.D

Acq: 24 Jul 2018 17:38

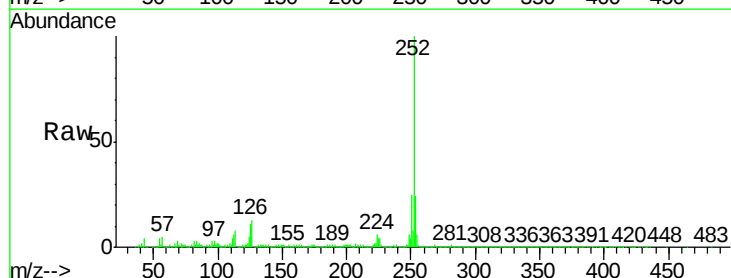
Tgt Ion:252 Resp: 1520179

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.6

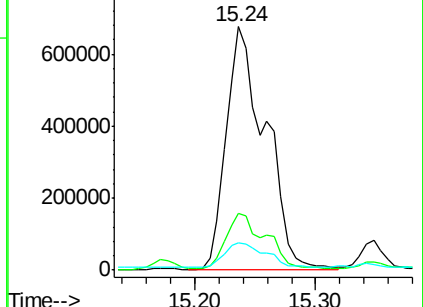
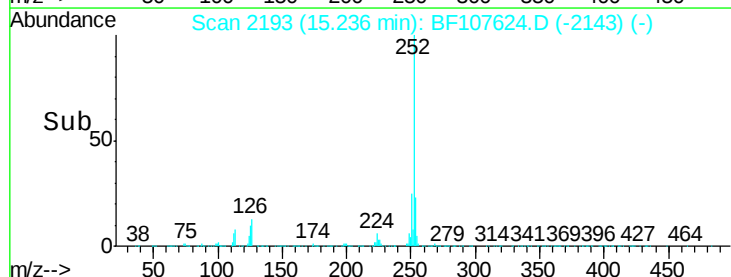
125 11.3 9.0 13.6

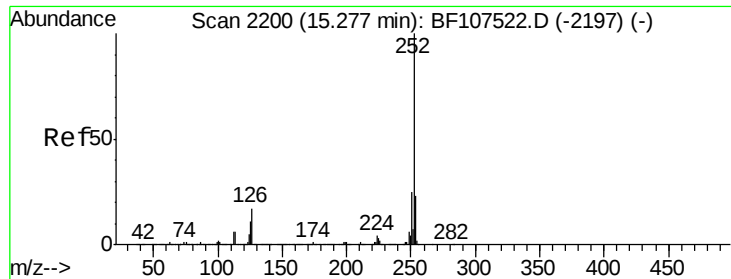


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

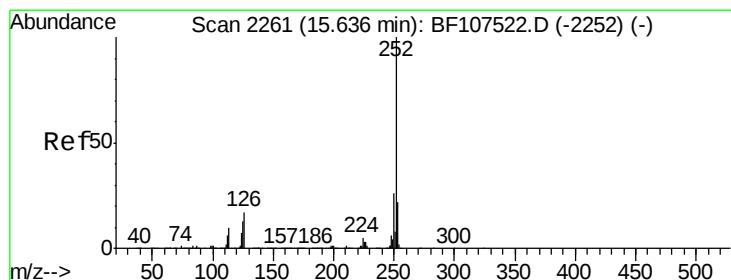
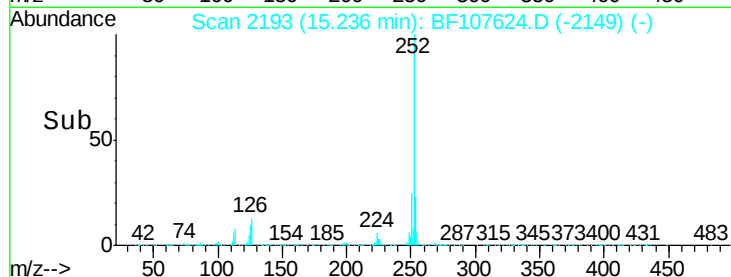
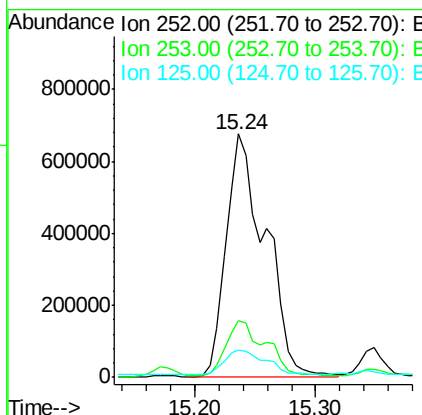
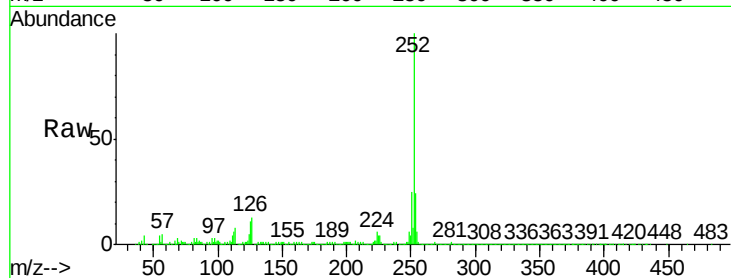




#88
Benzo(k)fluoranthene
Concen: 61.849 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.04 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

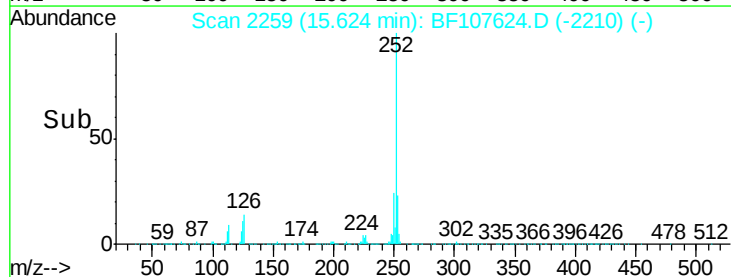
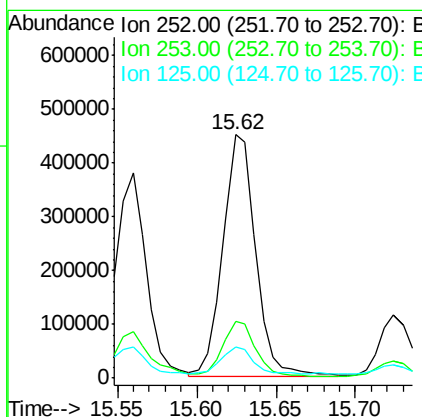
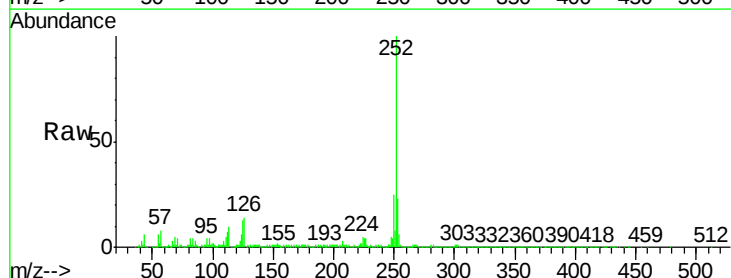
Instrument :
BNA_F
ClientSampleId :
DW-11

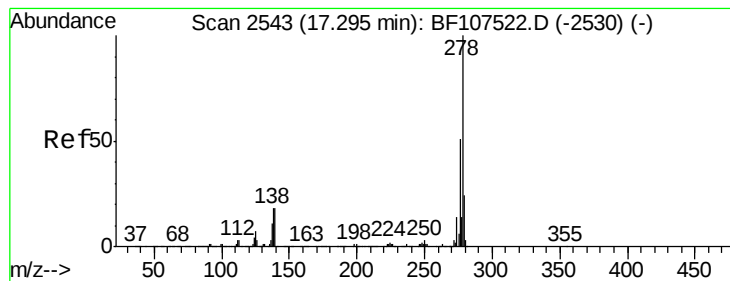
Tgt Ion:252 Resp: 1520179
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 11.3 10.2 15.2



#89
Benzo(a)pyrene
Concen: 28.226 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF107624.D
Acq: 24 Jul 2018 17:38

Tgt Ion:252 Resp: 647754
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 12.8 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 4.287 ng

RT: 17.28 min Scan# 2540

Delta R.T. -0.02 min

Lab File: BF107624.D

Acq: 24 Jul 2018 17:38

Instrument :

BNA_F

ClientSampleId :

DW-11

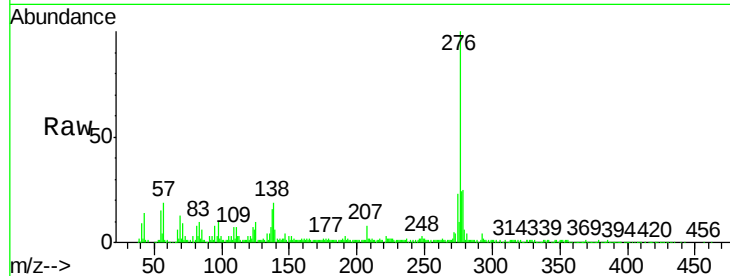
Tgt Ion: 278 Resp: 85043

Ion Ratio Lower Upper

278 100

139 25.5 15.9 23.9#

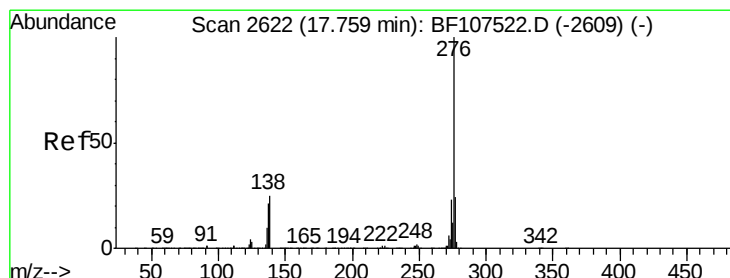
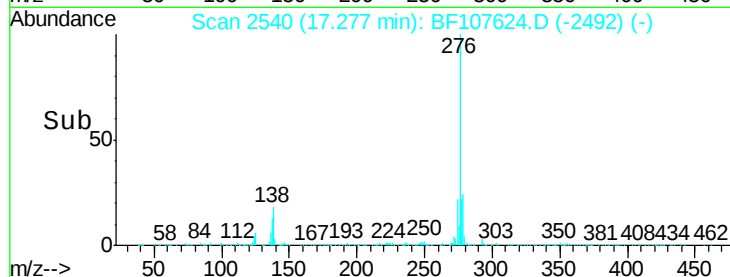
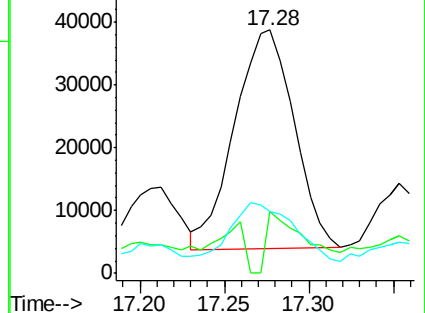
279 25.2 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 19.804 ng

RT: 17.75 min Scan# 2620

Delta R.T. -0.01 min

Lab File: BF107624.D

Acq: 24 Jul 2018 17:38

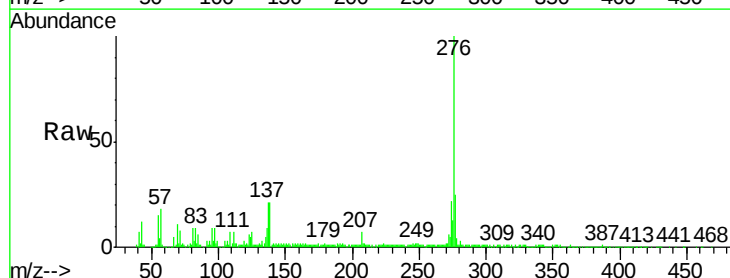
Tgt Ion: 276 Resp: 387517

Ion Ratio Lower Upper

276 100

277 24.7 17.9 26.9

138 21.2 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

