

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100518\
 Data File : BF109632.D
 Acq On : 6 Oct 2018 2:13
 Operator : JU/SJ
 Sample : J5263-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID10-COMP-100318

Quant Time: Oct 06 05:59:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

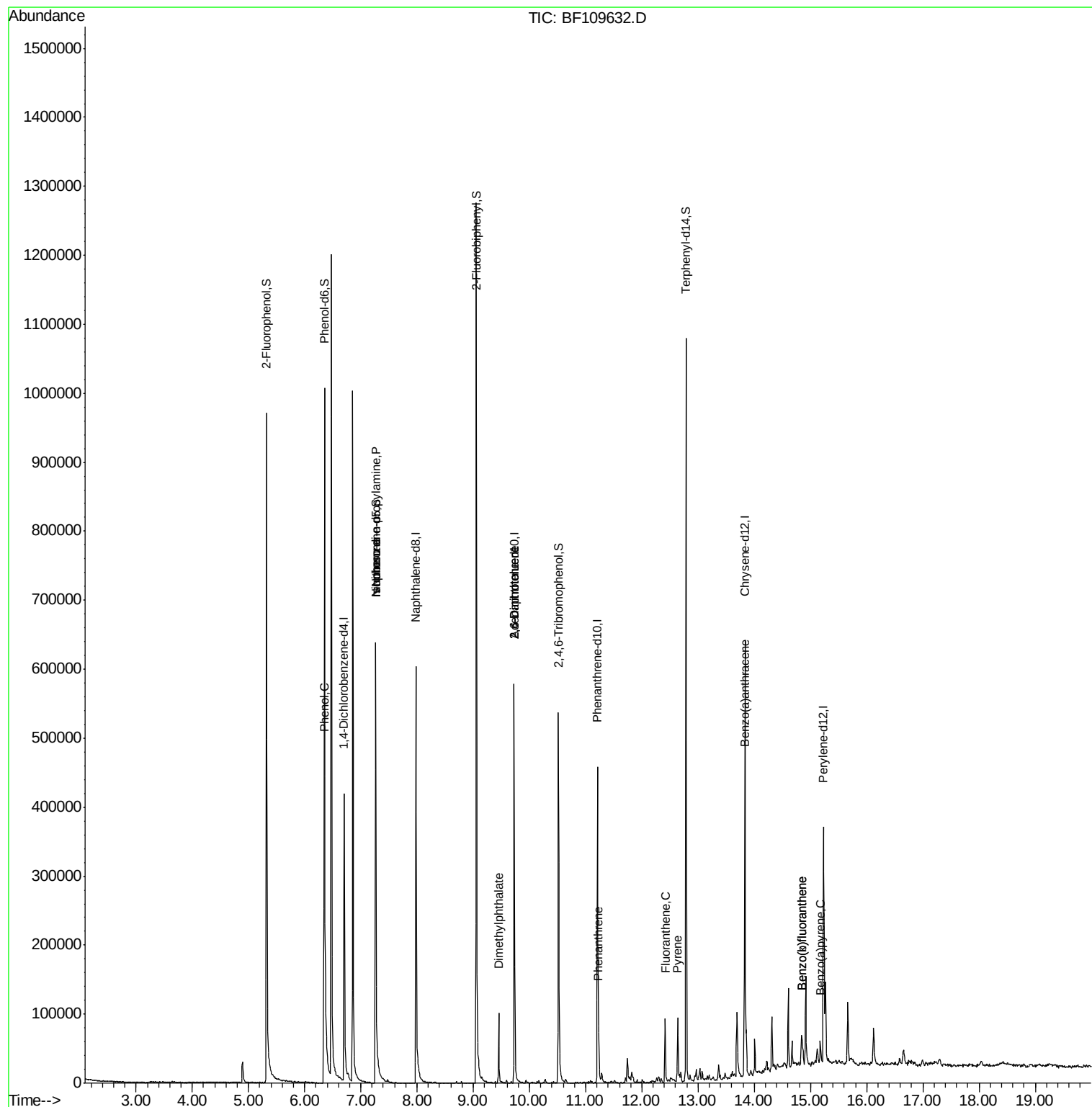
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	84789	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	321756	20.00	ng	-0.01
38) Acenaphthene-d10	9.73	164	129765	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	208743	20.00	ng	0.00
75) Chrysene-d12	13.83	240	207132	20.00	ng	-0.01
86) Perylene-d12	15.23	264	164173	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	318213	61.81	ng	0.00
7) Phenol-d6	6.35	99	439076	66.84	ng	0.00
23) Nitrobenzene-d5	7.26	82	277303	50.88	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	78411	61.30	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	454120	52.78	ng	-0.02
78) Terphenyl-d14	12.79	244	362900	43.00	ng	-0.02
Target Compounds						
10) Phenol	6.36	94	23394	3.145	ng	77
19) n-Nitroso-di-n-propylamine	7.26	70	36551	8.492	ng	# 75
25) Isophorone	7.26	82	268913	27.398	ng	# 64
49) Dimethylphthalate	9.45	163	49016	5.193	ng	99
50) 2,6-Dinitrotoluene	9.73	165	16368	8.756	ng	# 24
56) 2,4-Dinitrotoluene	9.73	165	16368	6.920	ng	# 21
70) Phenanthrene	11.23	178	26764	2.568	ng	97
74) Fluoranthene	12.42	202	46658	4.189	ng	97
77) Pyrene	12.64	202	43161	2.907	ng	99
80) Benzo(a)anthracene	13.82	228	29728	2.383	ng	98
87) Benzo(b)fluoranthene	14.84	252	31430	3.484	ng	97
88) Benzo(k)fluoranthene	14.84	252	31430	3.672	ng	99
89) Benzo(a)pyrene	15.18	252	16462	2.025	ng	94

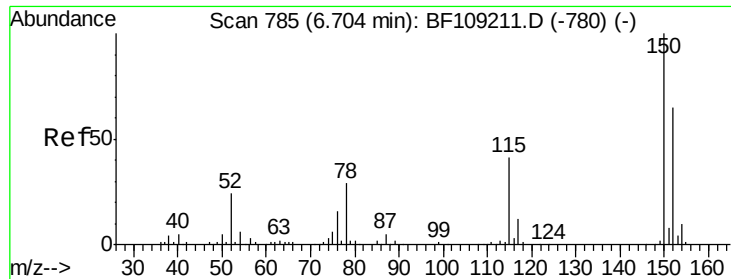
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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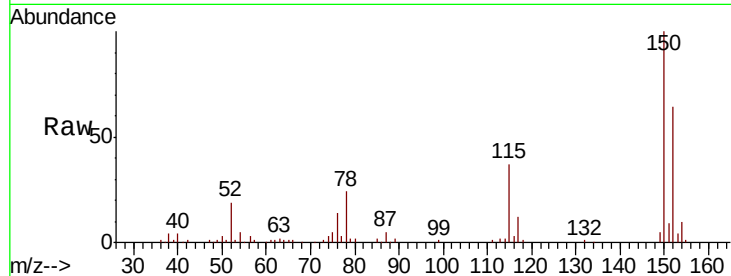




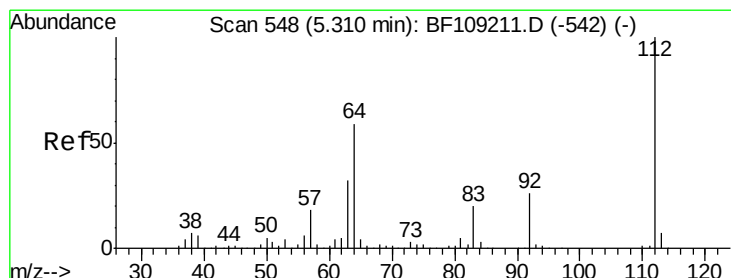
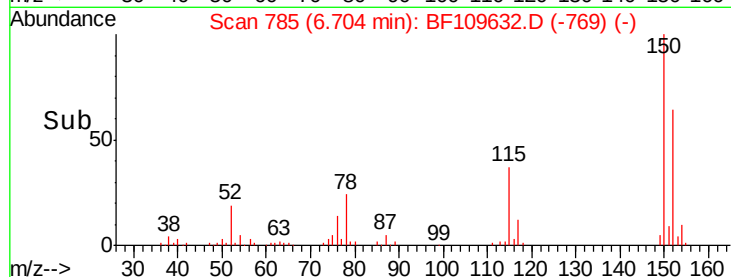
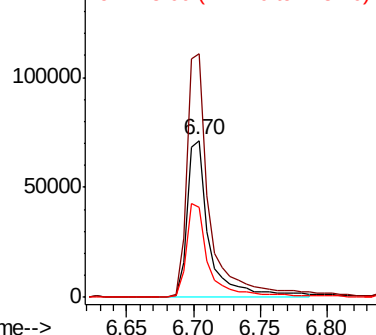
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF109632.D
 Acq: 6 Oct 2018 2:13

Instrument :
 BNA_F
 ClientSampleId :
 GRID10-COMP-100318

Tgt Ion:152 Resp: 84789
 Ion Ratio Lower Upper
 152 100
 150 155.4 124.6 186.8
 115 57.7 50.1 75.1

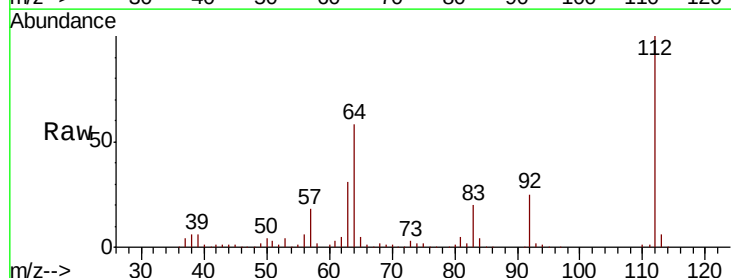


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

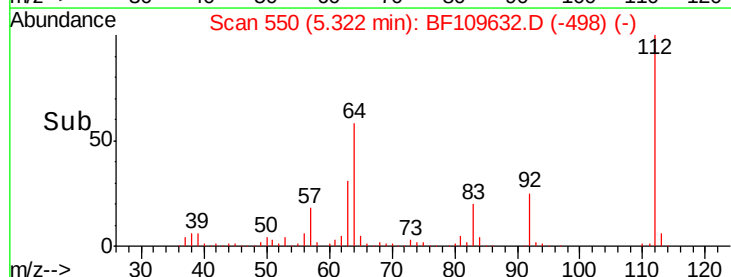
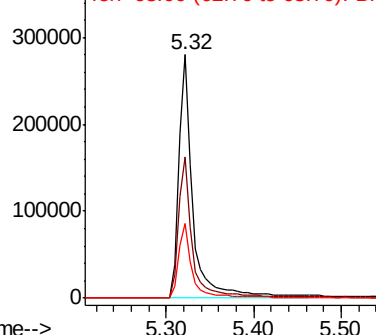


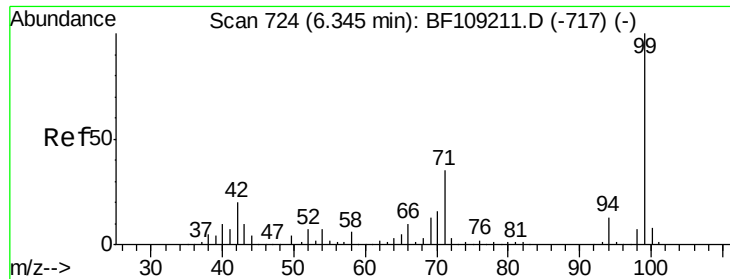
#5
 2-Fluorophenol
 Concen: 61.815 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.01 min
 Lab File: BF109632.D
 Acq: 6 Oct 2018 2:13

Tgt Ion:112 Resp: 318213
 Ion Ratio Lower Upper
 112 100
 64 58.0 47.9 71.9
 63 30.8 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: 66.842 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109632.D

Acq: 6 Oct 2018 2:13

Instrument :

BNA_F

ClientSampleId :

GRID10-COMP-100318

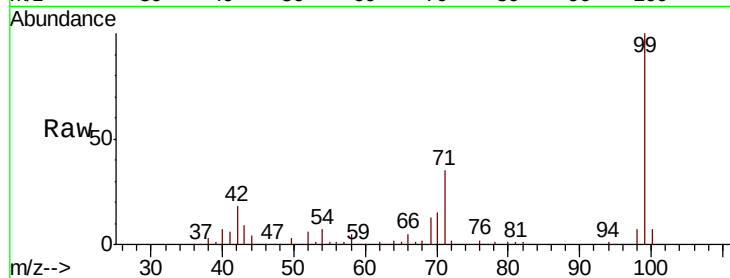
Tgt Ion: 99 Resp: 439076

Ion Ratio Lower Upper

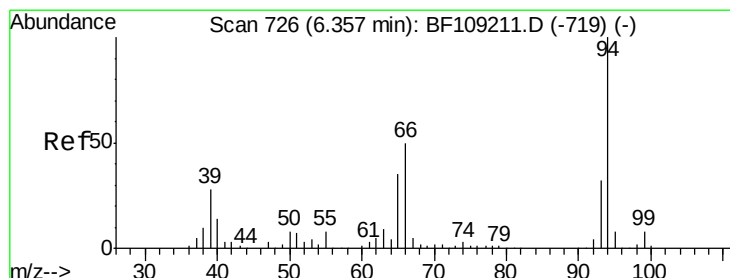
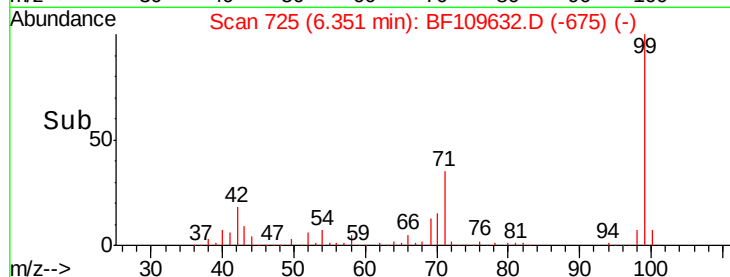
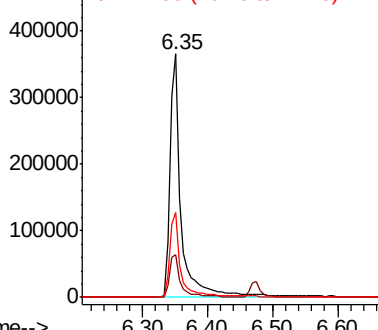
99 100

42 17.8 14.5 21.7

71 35.0 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



#10

Phenol

Concen: 3.145 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF109632.D

Acq: 6 Oct 2018 2:13

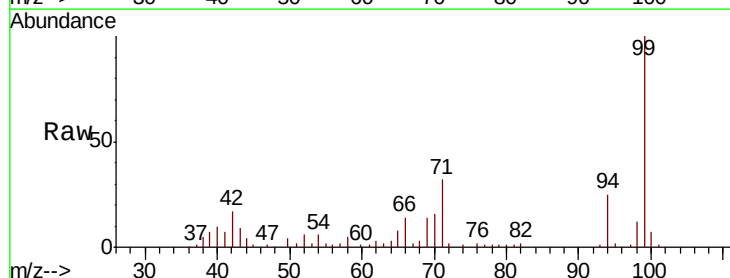
Tgt Ion: 94 Resp: 23394

Ion Ratio Lower Upper

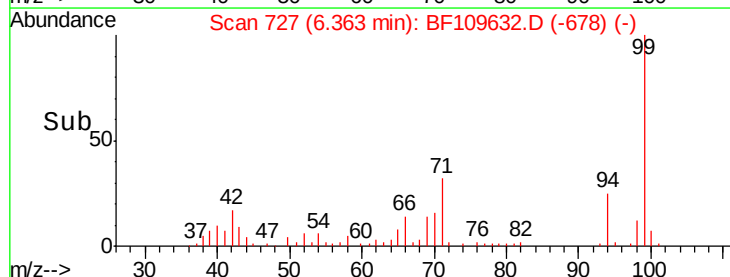
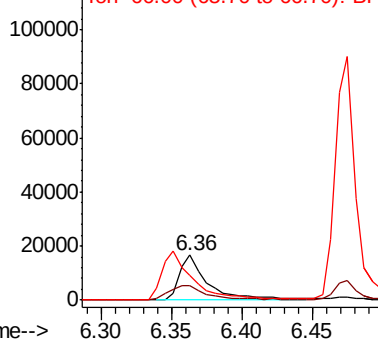
94 100

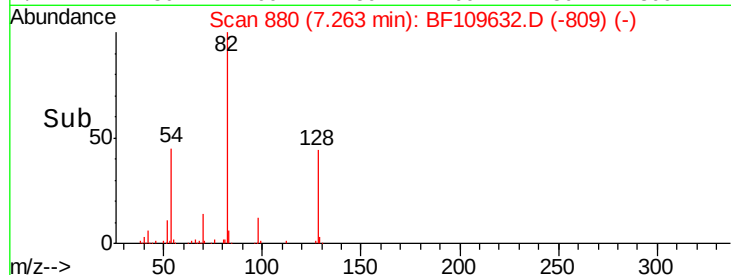
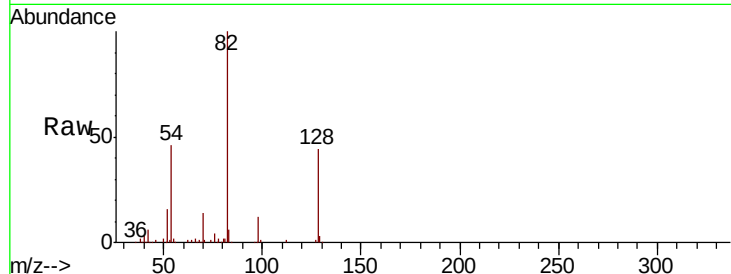
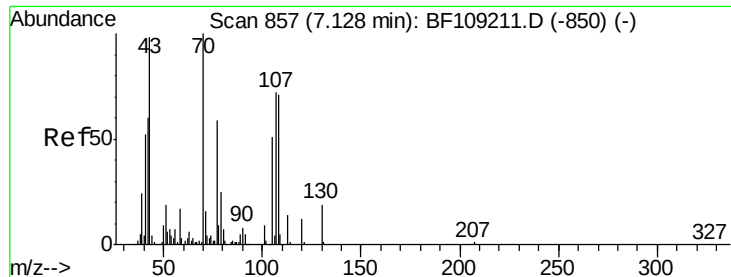
65 33.1 7.9 47.9

66 56.0 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

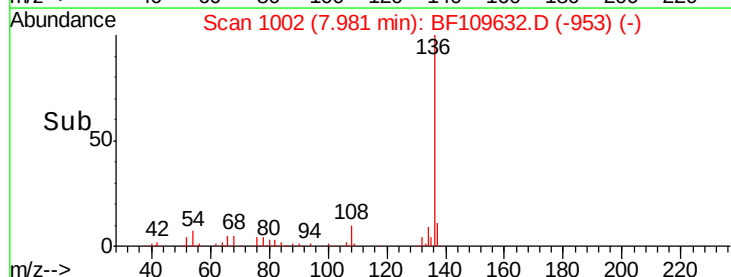
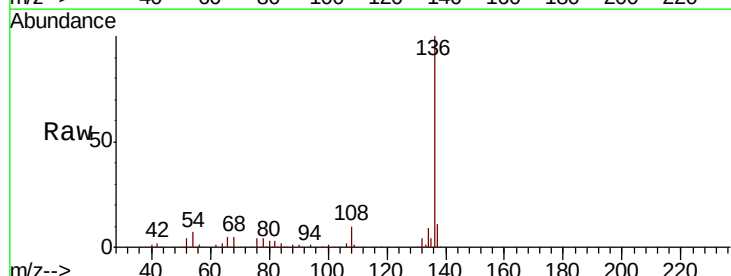
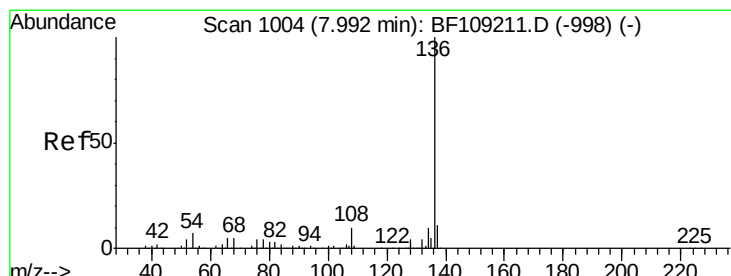
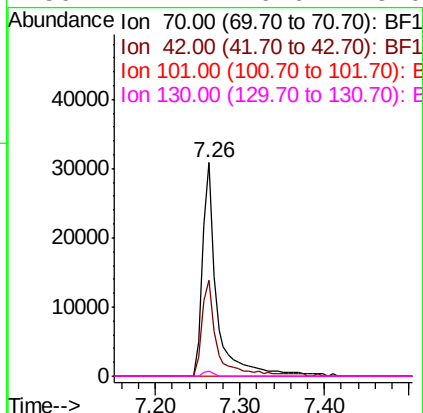




#19
n-Nitroso-di-n-propylamine
Concen: 8.492 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.12 min
Lab File: BF109632.D
Acq: 6 Oct 2018 2:13

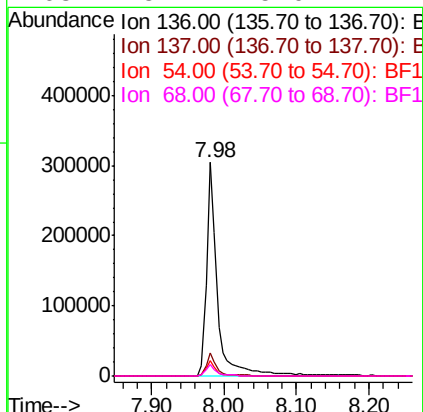
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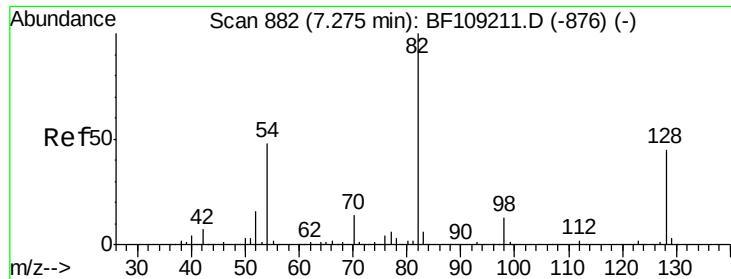
Tgt Ion: 70 Resp: 36551
Ion Ratio Lower Upper
70 100
42 44.9 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF109632.D
Acq: 6 Oct 2018 2:13

Tgt Ion: 136 Resp: 321756
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.2 6.6 9.8
68 5.4 5.0 7.4

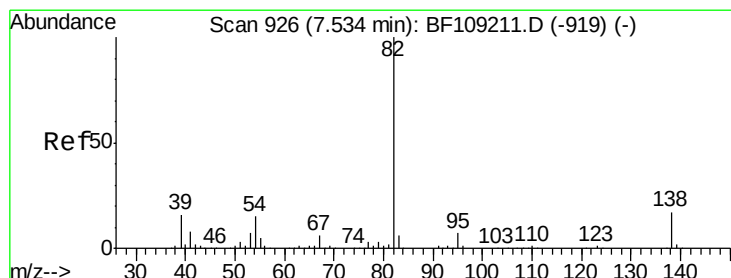
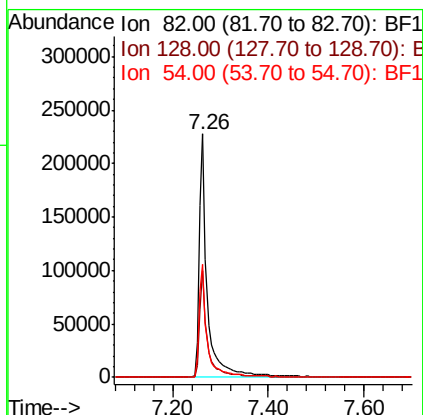
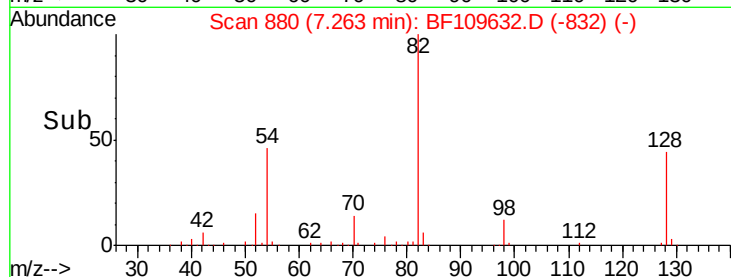
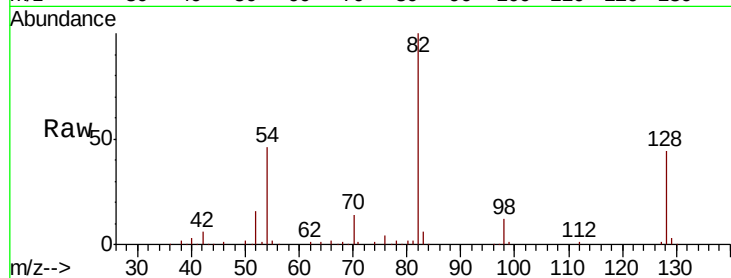




#23
Nitrobenzene-d5
Concen: 50.876 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109632.D
Acq: 6 Oct 2018 2:13

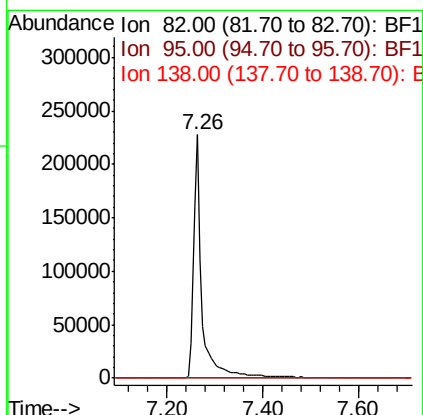
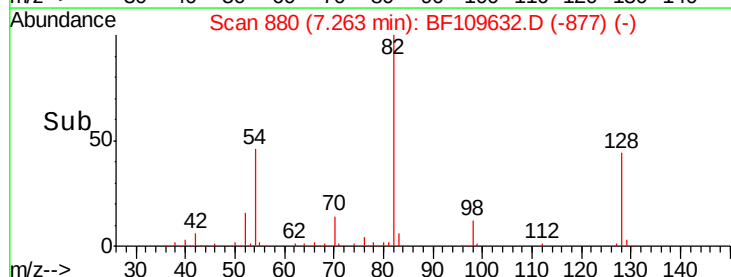
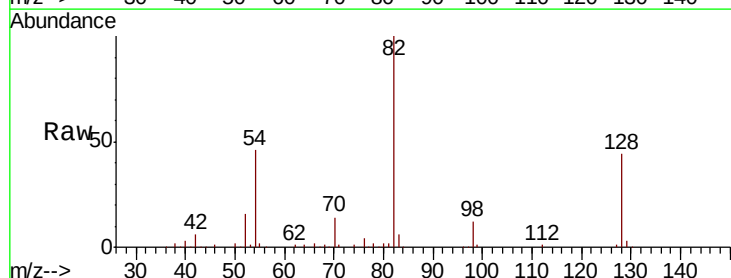
Instrument :
BNA_F
ClientSampleId :
GRID10-COMP-100318

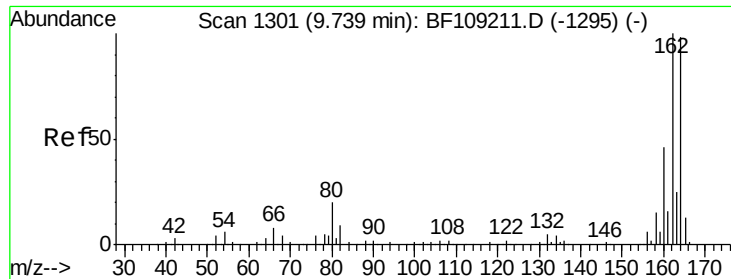
Tgt Ion: 82 Resp: 277303
Ion Ratio Lower Upper
82 100
128 44.1 36.1 54.1
54 46.3 41.4 62.2



#25
Isophorone
Concen: 27.398 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF109632.D
Acq: 6 Oct 2018 2:13

Tgt Ion: 82 Resp: 268913
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: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF109632.D

Acq: 6 Oct 2018 2:13

Instrument :

BNA_F

ClientSampleId :

GRID10-COMP-100318

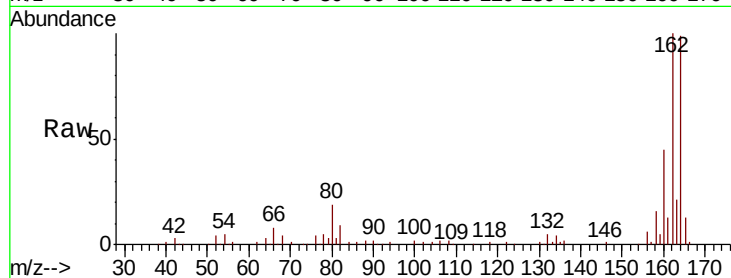
Tgt Ion:164 Resp: 129765

Ion Ratio Lower Upper

164 100

162 101.3 86.1 129.1

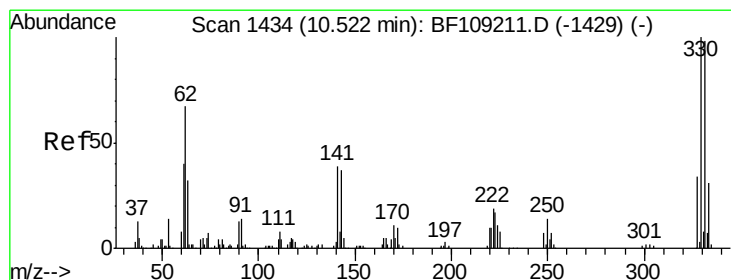
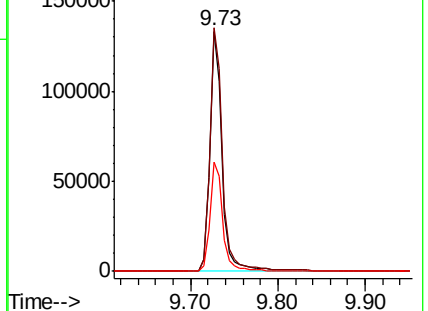
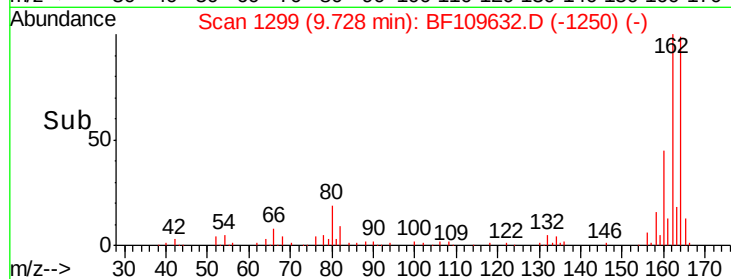
160 45.3 38.3 57.5



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: 61.296 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BF109632.D

Acq: 6 Oct 2018 2:13

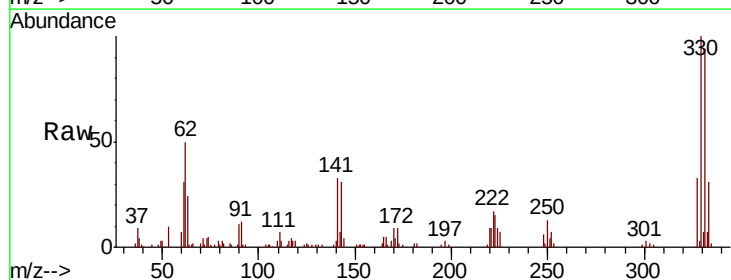
Tgt Ion:330 Resp: 78411

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

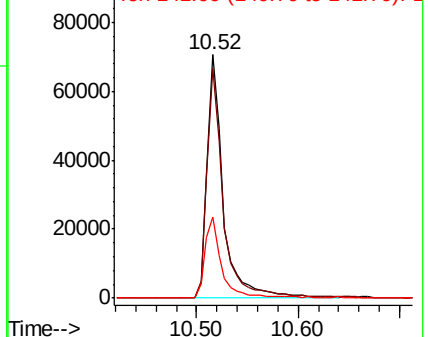
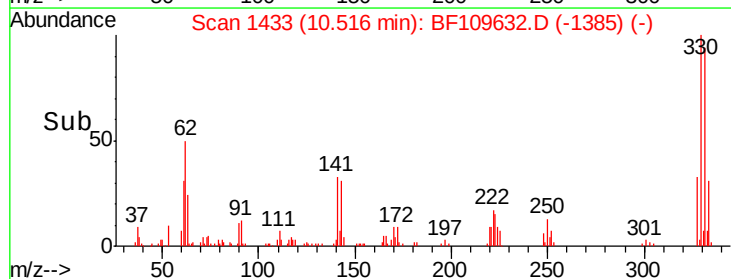
141 33.9 29.9 44.9

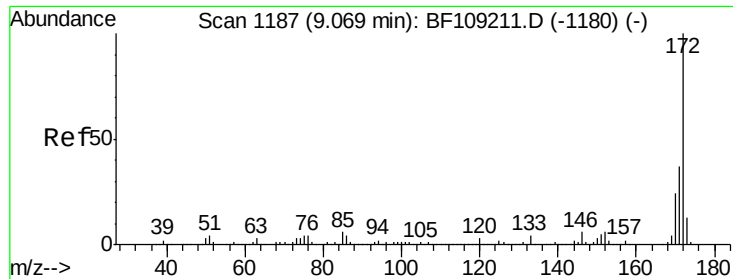


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

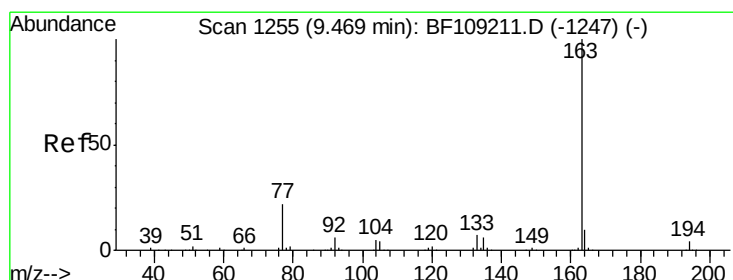
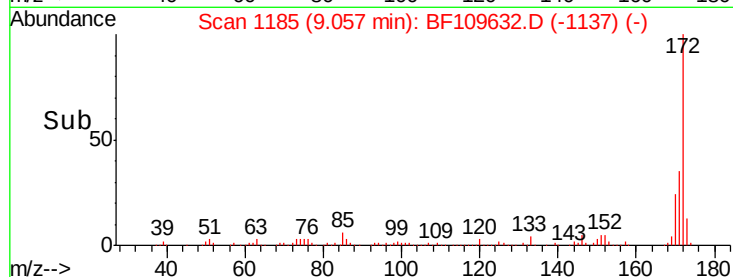
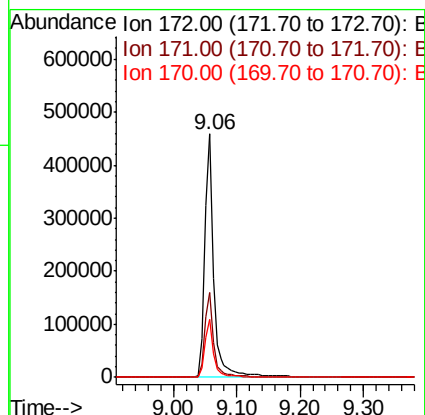
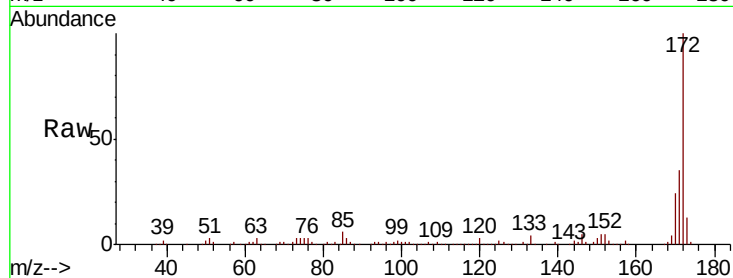




#44
 2-Fluorobiphenyl
 Concen: 52.780 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109632.D
 Acq: 6 Oct 2018 2:13

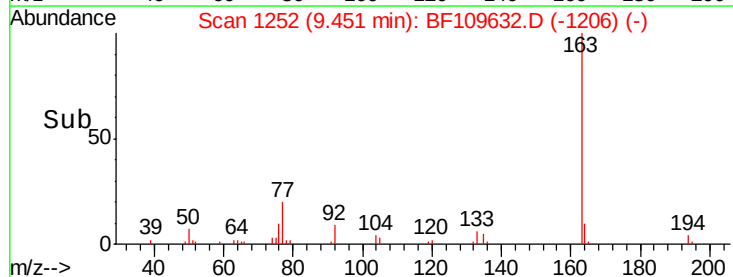
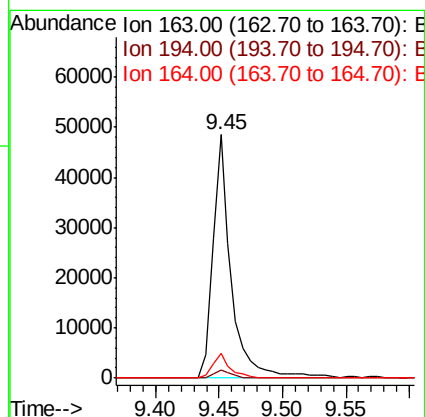
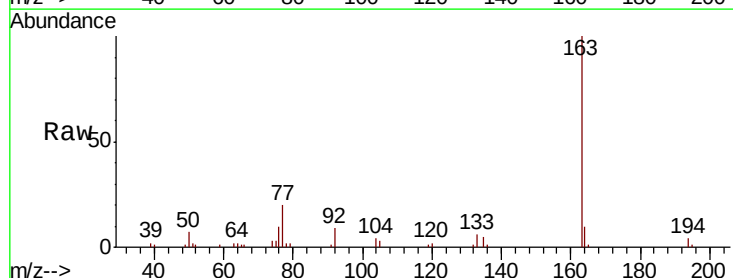
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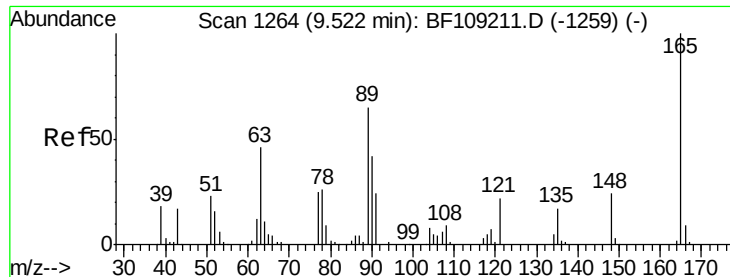
Tgt Ion:172 Resp: 454120
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.7 44.5
 170 23.7 19.6 29.4



#49
 Dimethylphthalate
 Concen: 5.193 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. -0.03 min
 Lab File: BF109632.D
 Acq: 6 Oct 2018 2:13

Tgt Ion:163 Resp: 49016
 Ion Ratio Lower Upper
 163 100
 194 3.6 2.7 4.1
 164 10.4 8.2 12.2

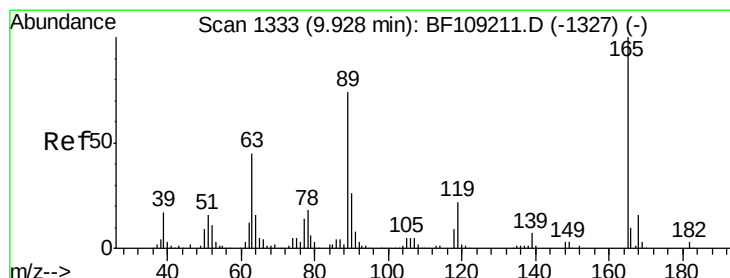
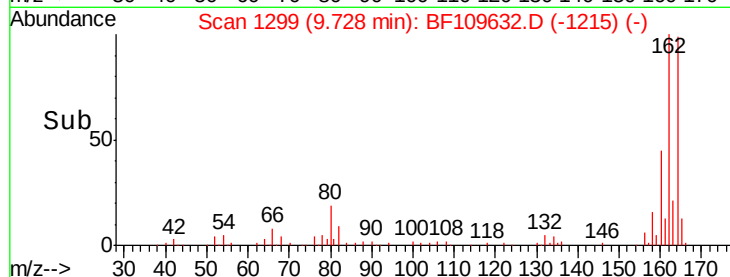
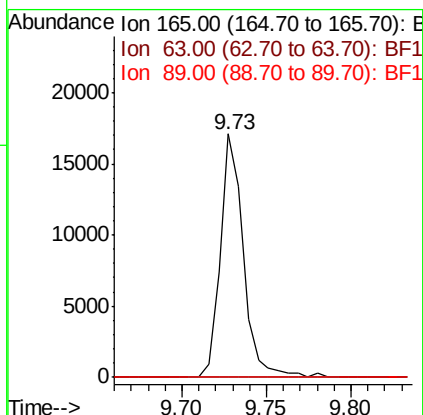
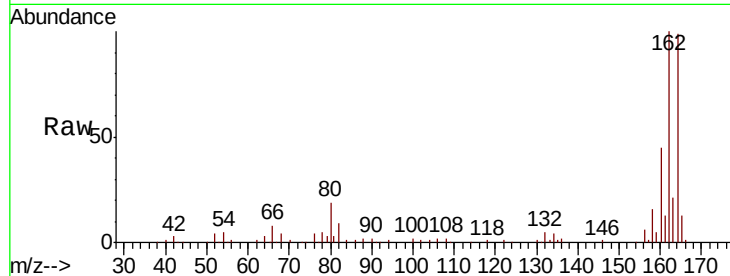




#50
 2,6-Dinitrotoluene
 Concen: 8.756 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. 0.19 min
 Lab File: BF109632.D
 Acq: 6 Oct 2018 2:13

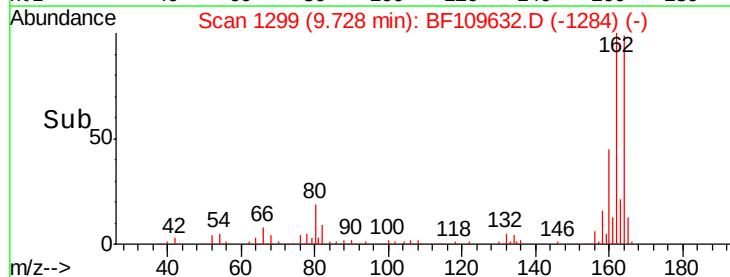
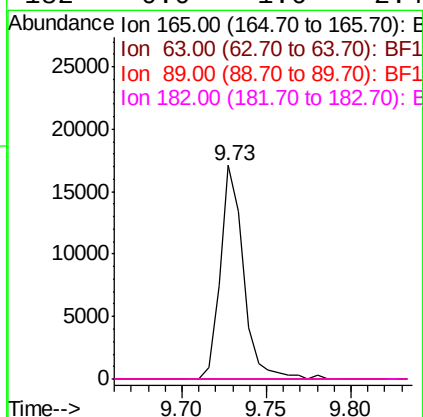
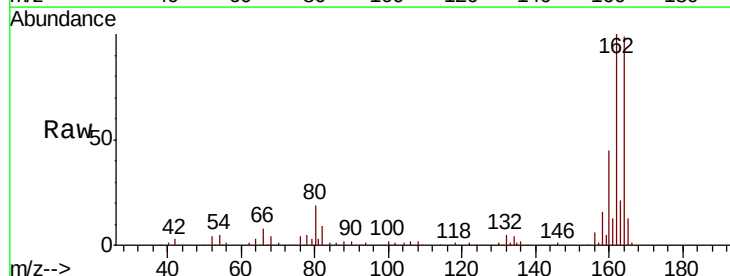
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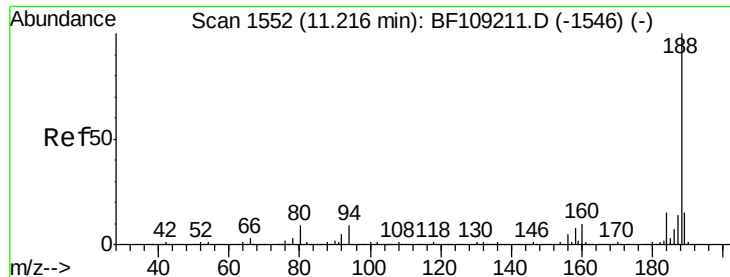
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.920 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.21 min
 Lab File: BF109632.D
 Acq: 6 Oct 2018 2:13

Tgt 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#

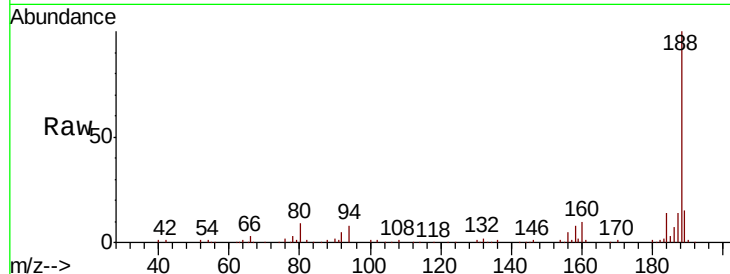




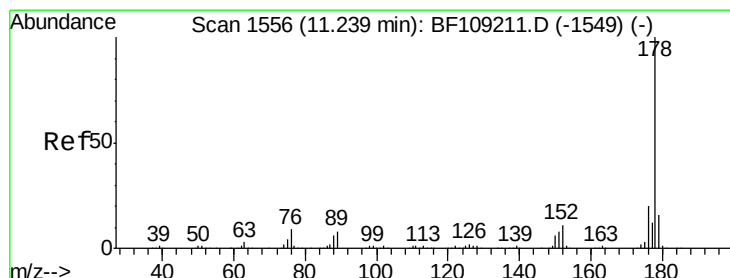
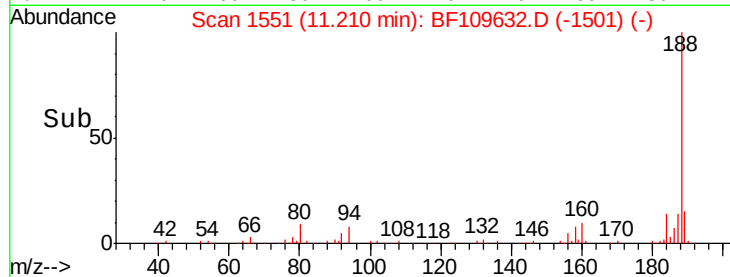
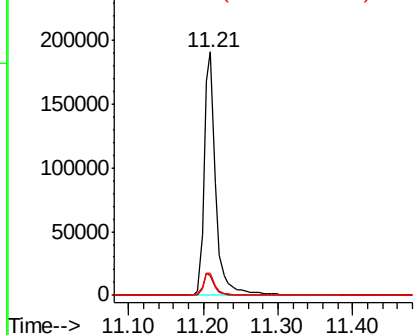
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109632.D
Acq: 6 Oct 2018 2:13

Instrument :
BNA_F
ClientSampleId :
GRID10-COMP-100318

Tgt Ion:188 Resp: 208743
Ion Ratio Lower Upper
188 100
94 8.2 8.5 12.7#
80 9.0 9.2 13.8#

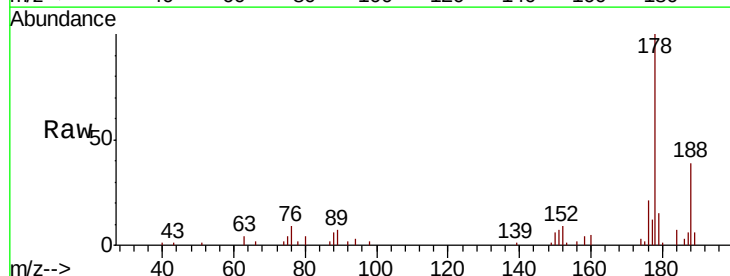


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

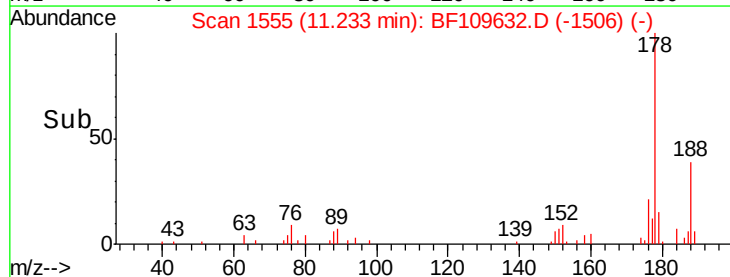
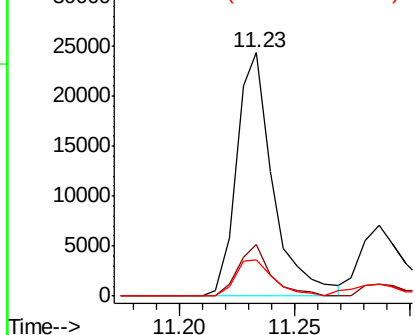


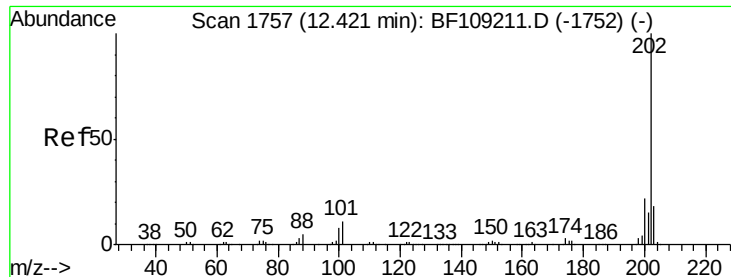
#70
Phenanthrene
Concen: 2.568 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109632.D
Acq: 6 Oct 2018 2:13

Tgt Ion:178 Resp: 26764
Ion Ratio Lower Upper
178 100
176 21.0 15.8 23.8
179 14.9 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





#74

Fluoranthene

Concen: 4.189 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF109632.D

Acq: 6 Oct 2018 2:13

Instrument :

BNA_F

ClientSampleId :

GRID10-COMP-100318

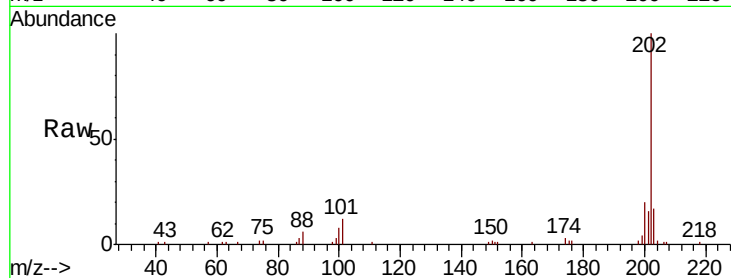
Tgt Ion: 202 Resp: 46658

Ion Ratio Lower Upper

202 100

101 11.7 0.0 34.1

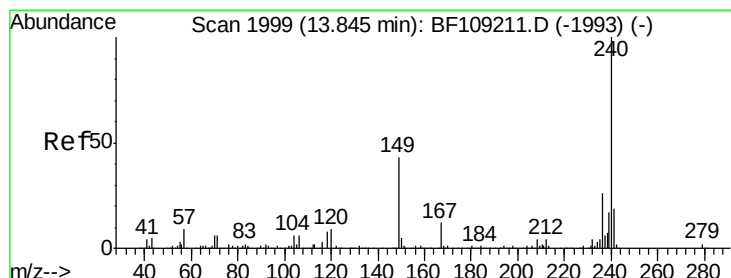
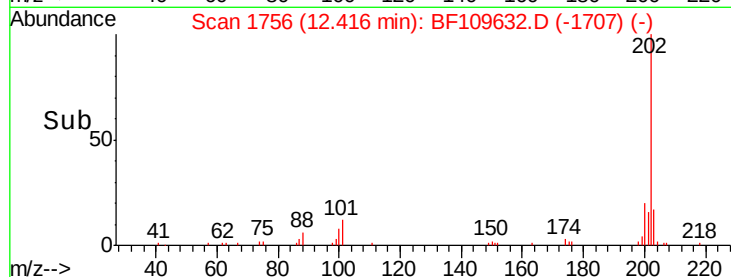
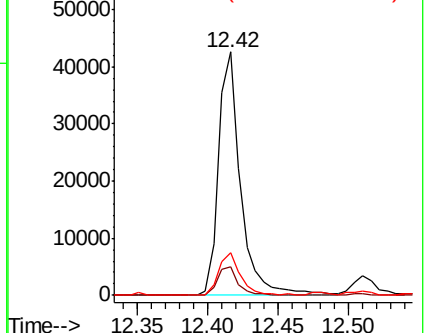
203 17.5 0.0 38.1



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: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF109632.D

Acq: 6 Oct 2018 2:13

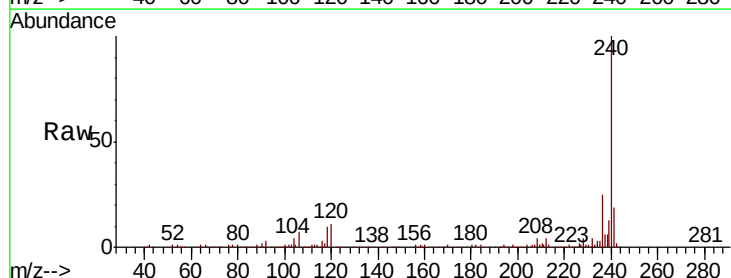
Tgt Ion: 240 Resp: 207132

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

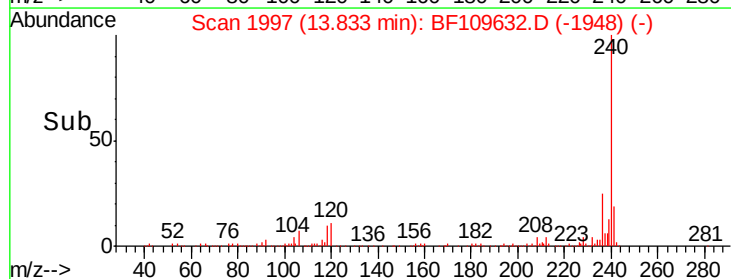
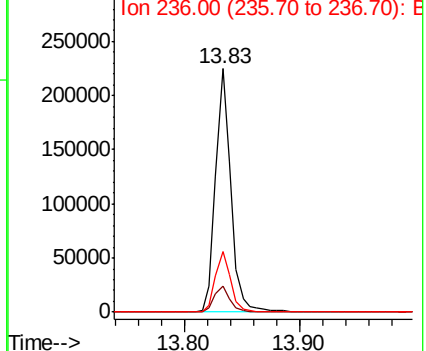
236 24.7 20.7 31.1

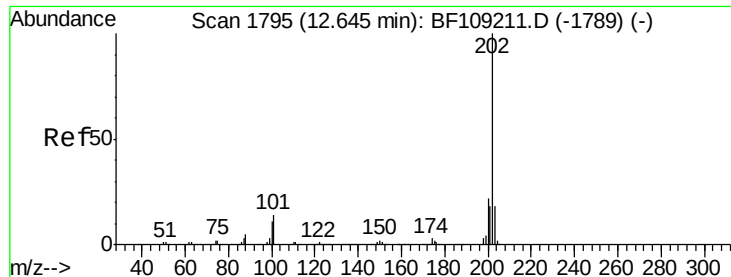


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.907 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.02 min

Lab File: BF109632.D

Acq: 6 Oct 2018 2:13

Instrument :

BNA_F

ClientSampleId :

GRID10-COMP-100318

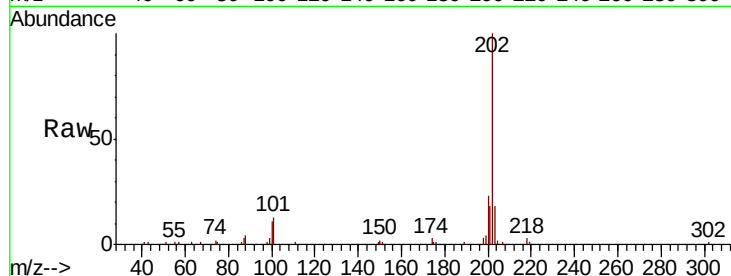
Tgt Ion:202 Resp: 43161

Ion Ratio Lower Upper

202 100

200 22.5 17.4 26.2

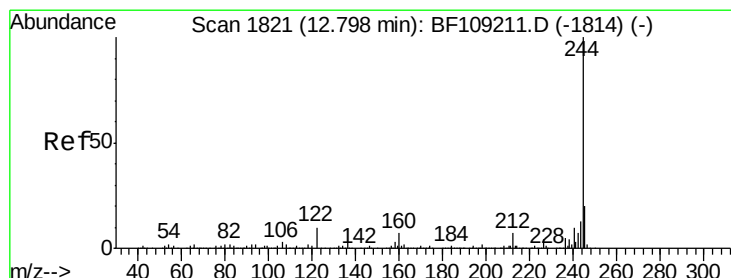
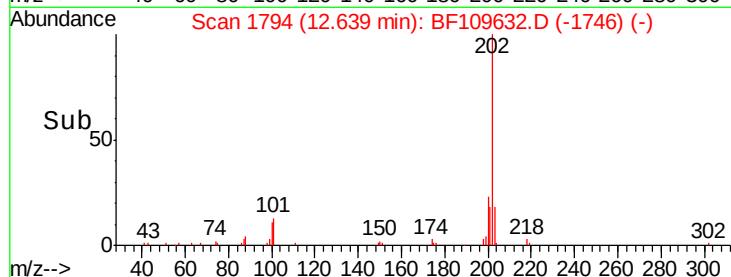
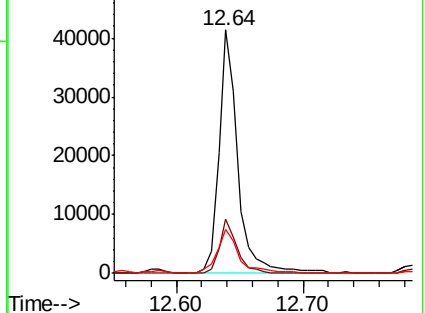
203 17.9 14.3 21.5



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: 42.998 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.02 min

Lab File: BF109632.D

Acq: 6 Oct 2018 2:13

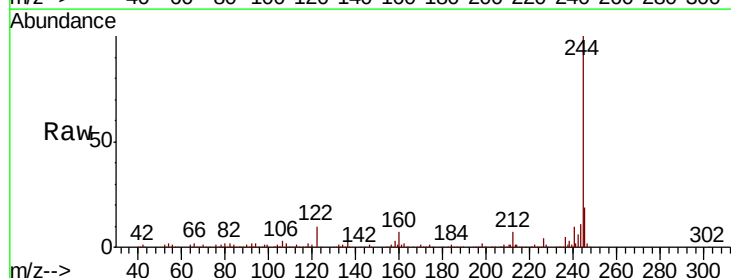
Tgt Ion:244 Resp: 362900

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

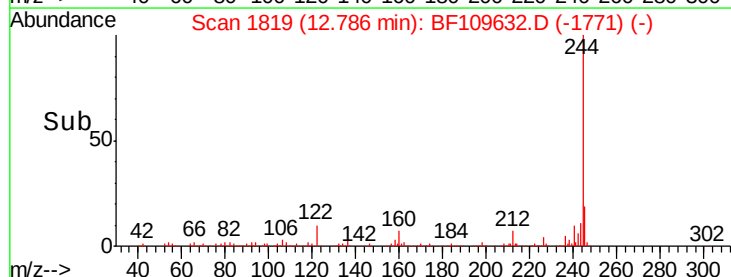
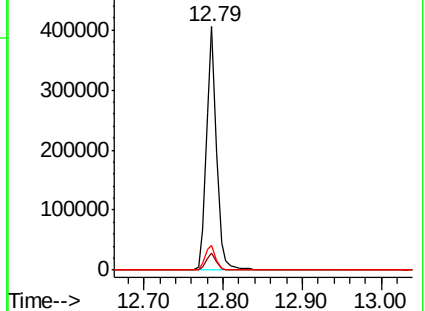
122 10.3 11.0 16.4#

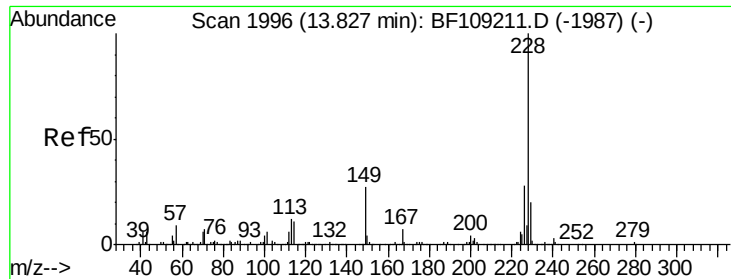


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.383 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF109632.D

Acq: 6 Oct 2018 2:13

Instrument :

BNA_F

ClientSampleId :

GRID10-COMP-100318

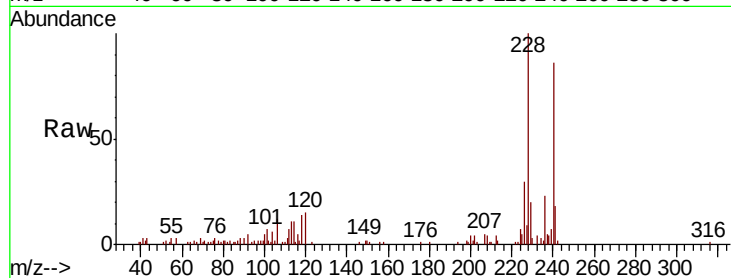
Tgt Ion:228 Resp: 29728

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

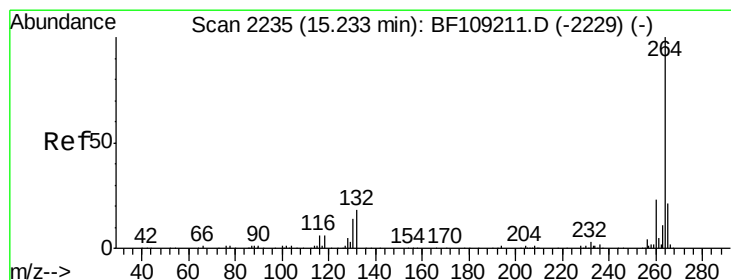
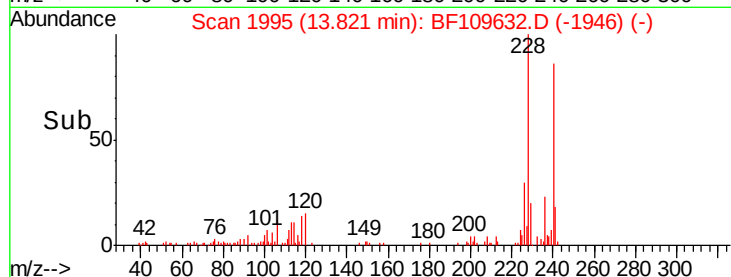
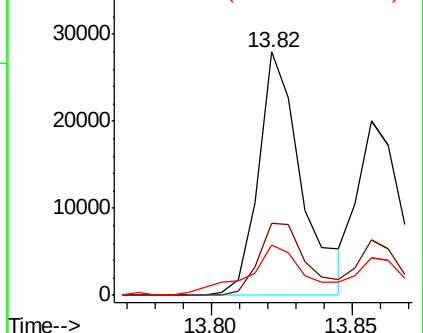
229 20.4 15.8 23.6



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.01 min

Lab File: BF109632.D

Acq: 6 Oct 2018 2:13

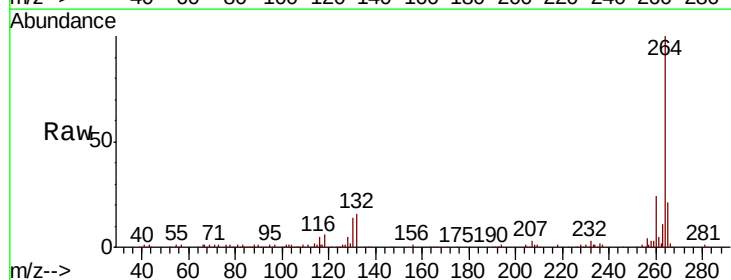
Tgt Ion:264 Resp: 164173

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

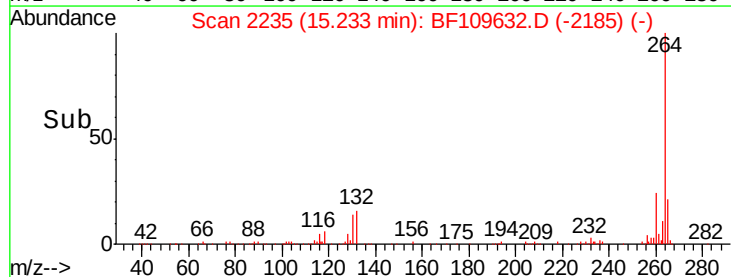
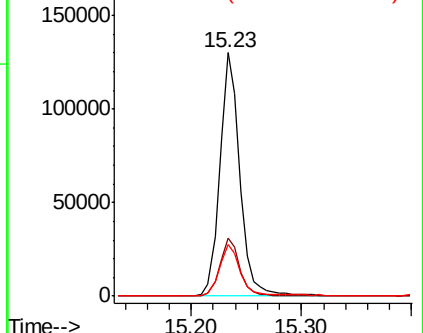
265 21.2 17.5 26.3

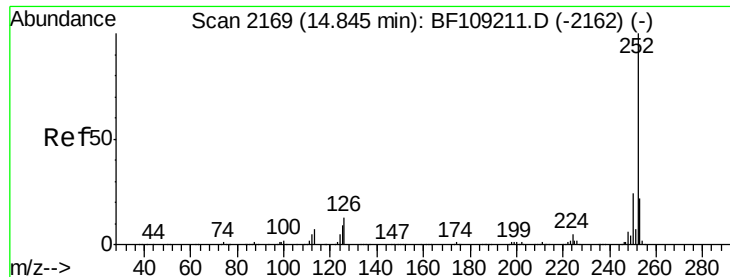


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

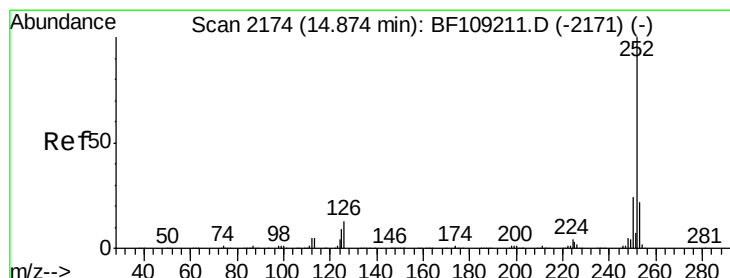
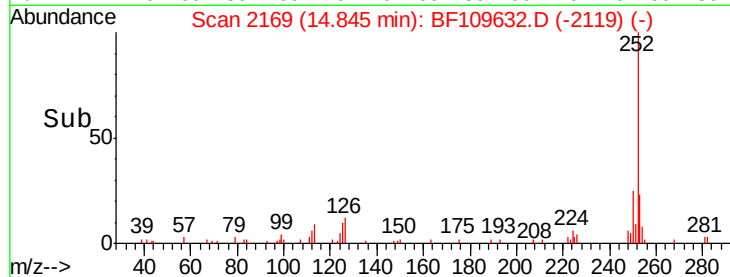
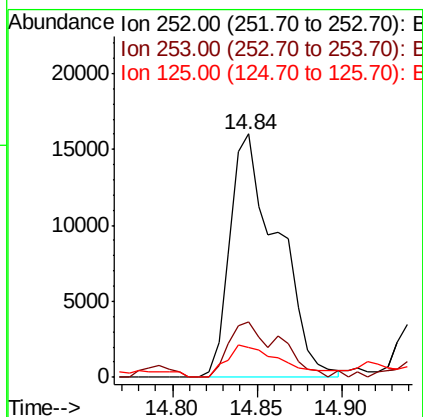
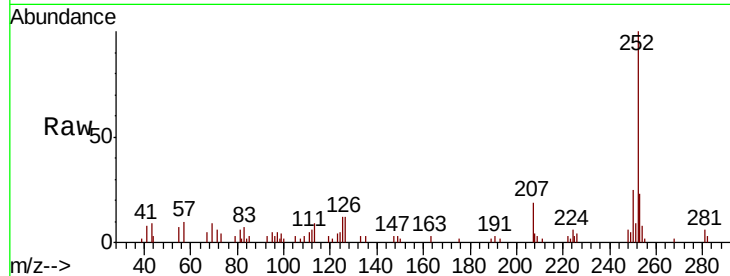




#87
Benzo(b)fluoranthene
Concen: 3.484 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109632.D
Acq: 6 Oct 2018 2:13

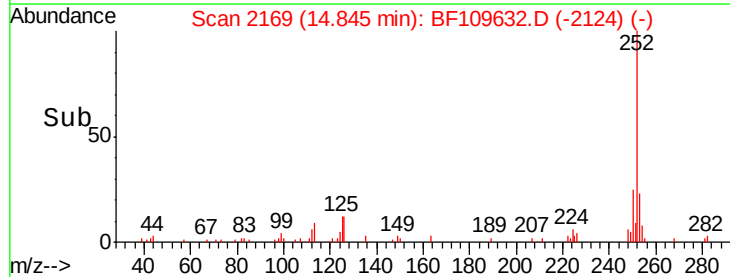
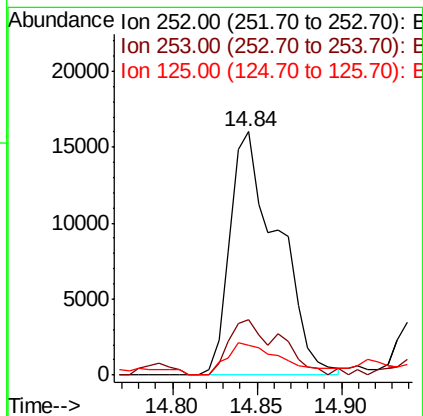
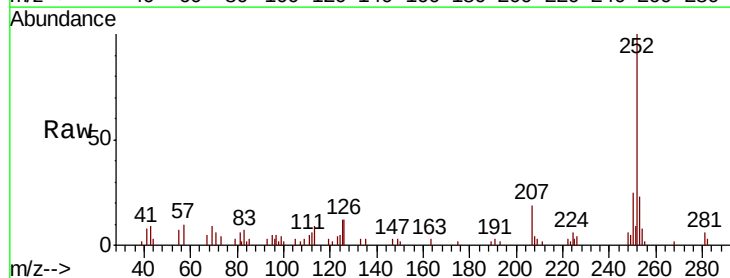
Instrument :
BNA_F
ClientSampleId :
GRID10-COMP-100318

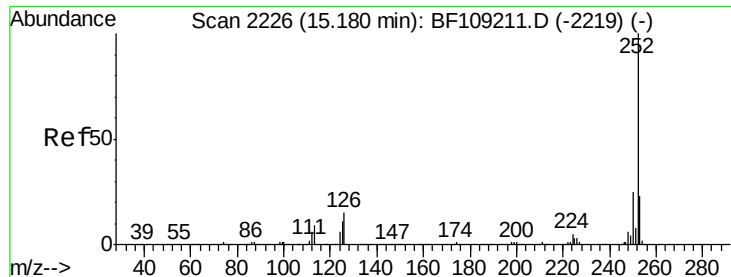
Tgt Ion:252 Resp: 31430
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 12.1 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 3.672 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109632.D
Acq: 6 Oct 2018 2:13

Tgt Ion:252 Resp: 31430
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 12.1 10.2 15.2





#89

Benzo(a)pyrene

Concen: 2.025 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF109632.D

Acq: 6 Oct 2018 2:13

Instrument :

BNA_F

ClientSampleId :

GRID10-COMP-100318

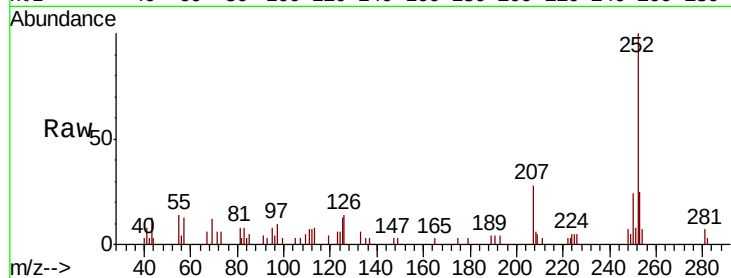
Tgt Ion: 252 Resp: 16462

Ion Ratio Lower Upper

252 100

253 25.1 17.1 25.7

125 12.7 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

