

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
 Data File : BF109431.D
 Acq On : 28 Sep 2018 15:54
 Operator : JU/SJ
 Sample : J4776-07 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 28 18:17:35 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	6.71	152	126337	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	455279	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	194688	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	290197	20.00	ng	0.00
75) Chrysene-d12	13.84	240	240171	20.00	ng	0.00
86) Perylene-d12	15.25	264	191353	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	294467	38.39	ng	0.00
7) Phenol-d6	6.35	99	375151	38.33	ng	-0.01
23) Nitrobenzene-d5	7.26	82	232218	30.11	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	51630	26.90	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	401070	31.07	ng	-0.01
78) Terphenyl-d14	12.80	244	270183	27.61	ng	0.00

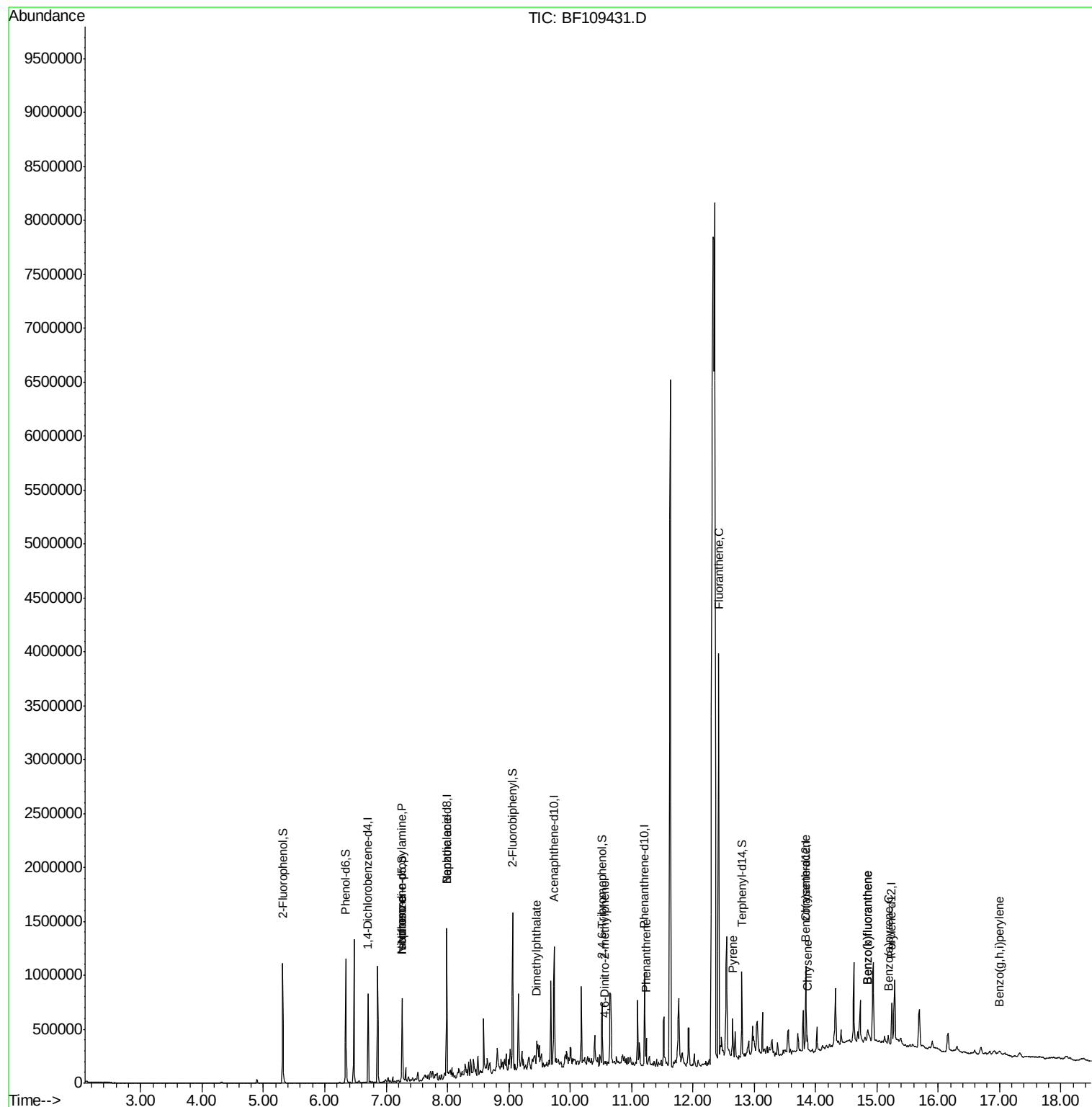
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.26	70	34326	5.352	ng	# 78
25) Isophorone	7.26	82	219291	15.790	ng	# 65
32) Benzoic acid	7.99	122	133	6.825	ng	# 1
49) Dimethylphthalate	9.46	163	58072	4.101	ng	# 98
64) 4,6-Dinitro-2-methylphenol	10.55	198	317	6.756	ng	# 1
70) Phenanthrene	11.24	178	85222	5.882	ng	98
74) Fluoranthene	12.43	202	101737	6.570	ng	89
77) Pyrene	12.66	202	119491	6.942	ng	99
80) Benzo(a)anthracene	13.83	228	63048	4.358	ng	99
82) Chrysene	13.87	228	50476	3.520	ng	96
87) Benzo(b)fluoranthene	14.85	252	68551	6.520	ng	# 88
88) Benzo(k)fluoranthene	14.85	252	68551	6.870	ng	# 91
89) Benzo(a)pyrene	15.19	252	36446	3.847	ng	# 90
91) Benzo(a,h,i)perylene	17.00	276	16164	2.116	ng	# 94

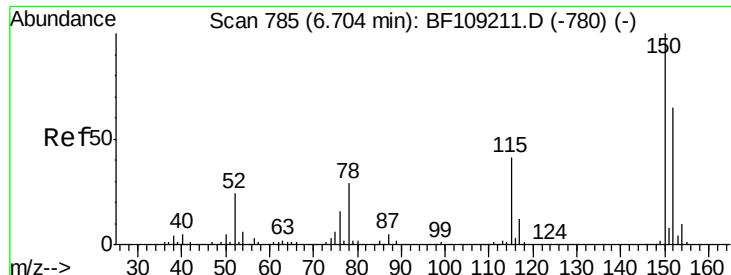
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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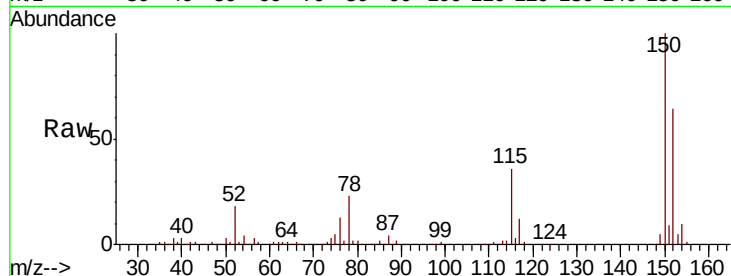


#1

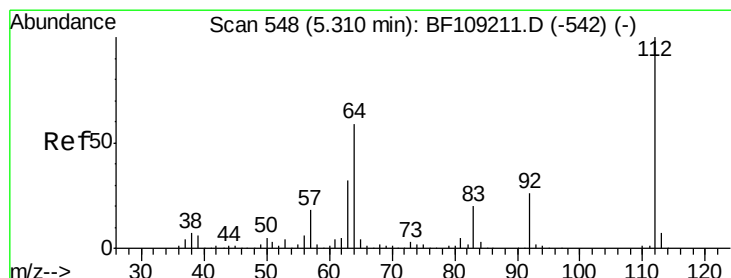
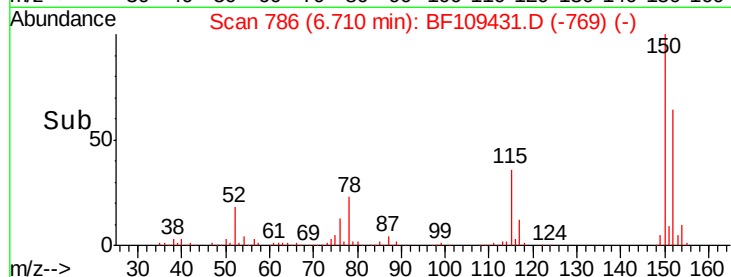
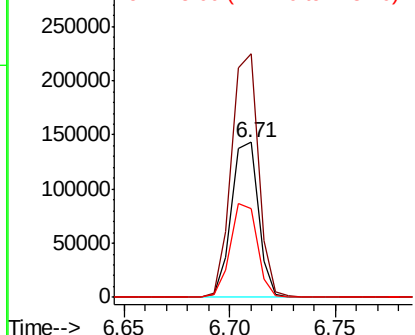
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109431.D
Acq: 28 Sep 2018 15:54

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 126337
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 57.1 50.1 75.1



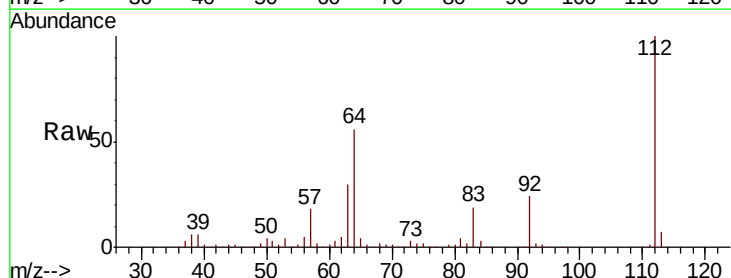
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



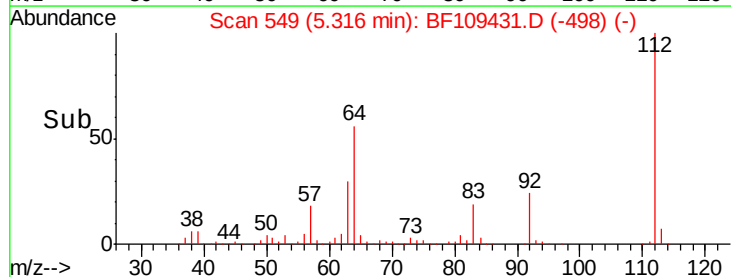
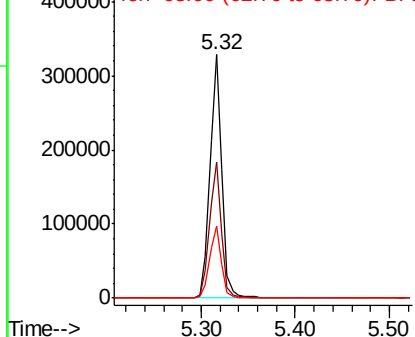
#5

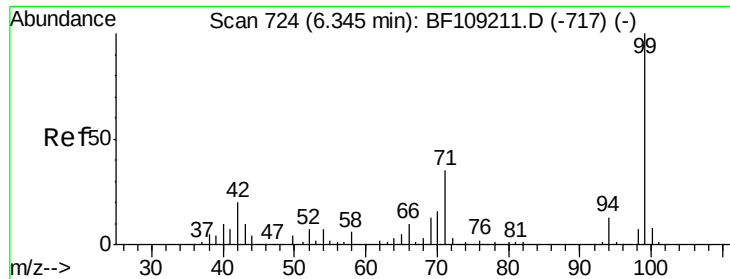
2-Fluorophenol
Concen: 38.390 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109431.D
Acq: 28 Sep 2018 15:54

Tgt Ion:112 Resp: 294467
Ion Ratio Lower Upper
112 100
64 56.0 47.9 71.9
63 29.7 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: 38.329 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

Instrument :

BNA_G

ClientSampled :

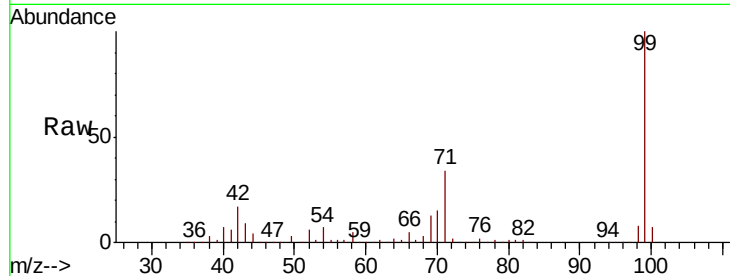
Tot Ion: 99 Resp: 375151

Ion Ratio Lower Upper

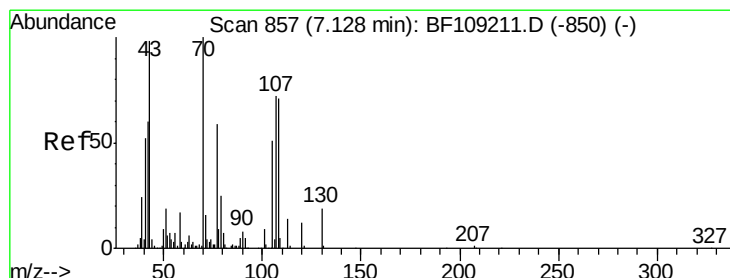
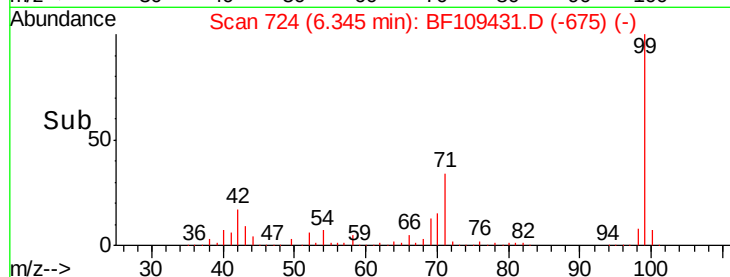
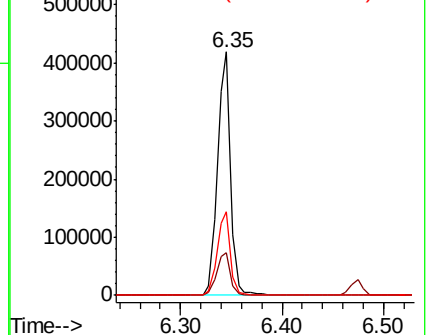
99 100

42 17.5 14.5 21.7

71 34.5 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: 5.352 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

Tgt Ion: 70 Resp: 34326

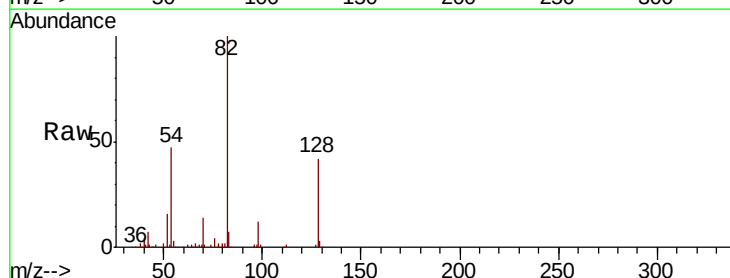
Ion Ratio Lower Upper

70 100

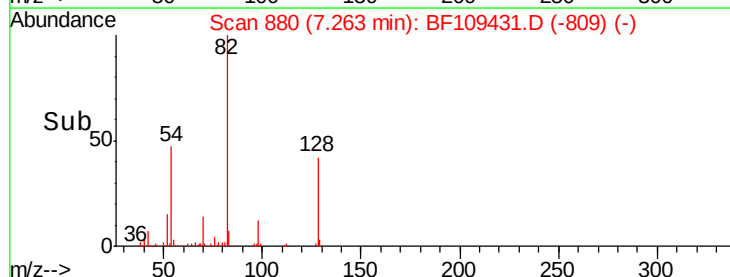
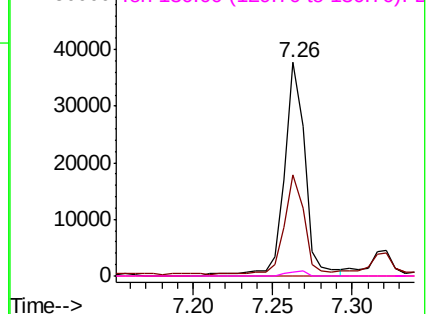
42 47.6 47.5 71.3

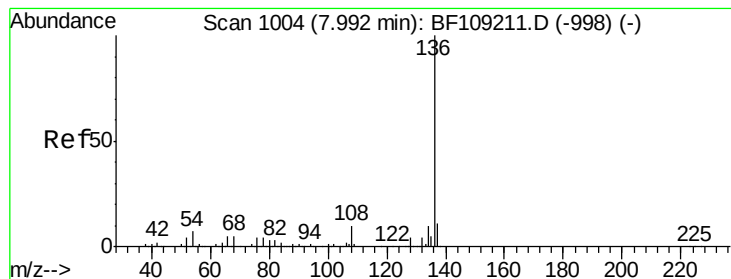
101 0.0 7.4 11.2#

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

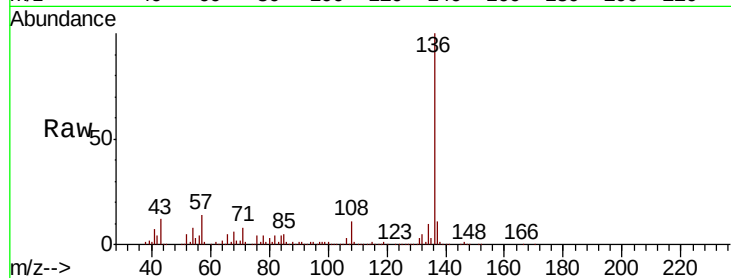




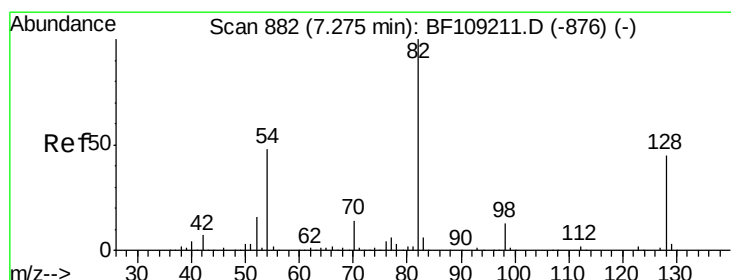
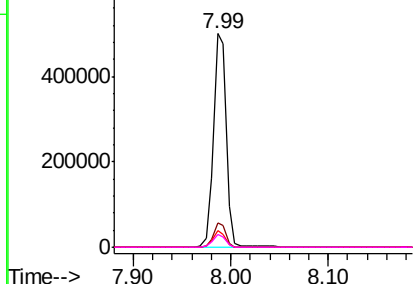
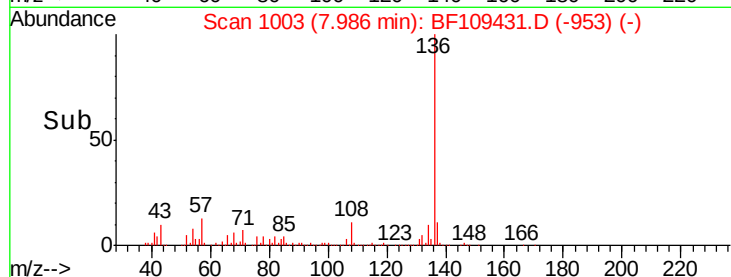
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109431.D
Acq: 28 Sep 2018 15:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	455279
Ion Ratio	Lower	Upper
136 100		
137 11.4	8.9	13.3
54 8.1	6.6	9.8
68 6.0	5.0	7.4

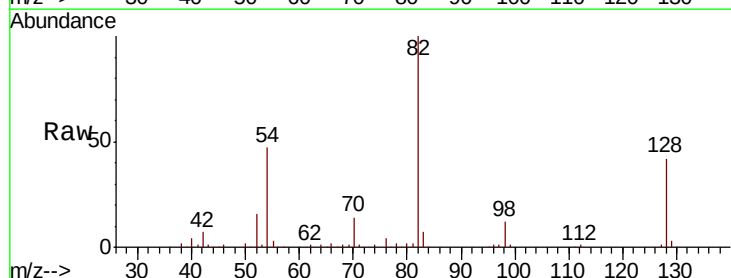


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

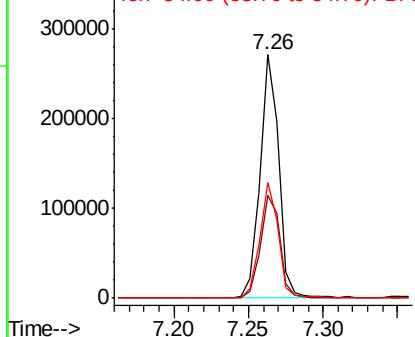
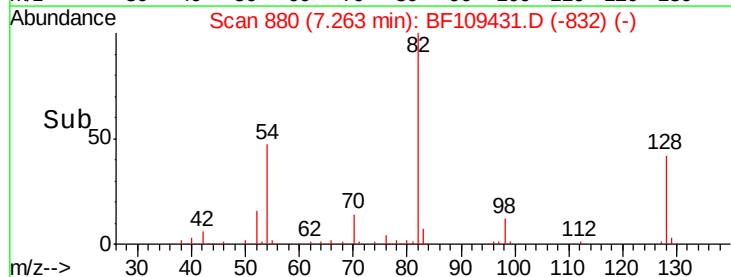


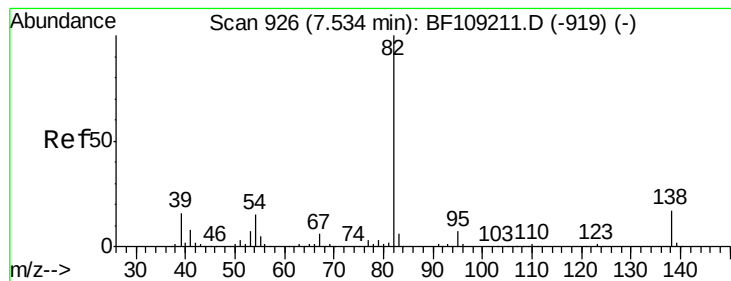
#23
Nitrobenzene-d5
Concen: 30.109 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF109431.D
Acq: 28 Sep 2018 15:54

Tgt Ion: 82	Resp: 232218
Ion Ratio	Lower Upper
82 100	
128 42.4	36.1 54.1
54 47.3	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: 15.790 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

Instrument :

BNA_G

ClientSampleId :

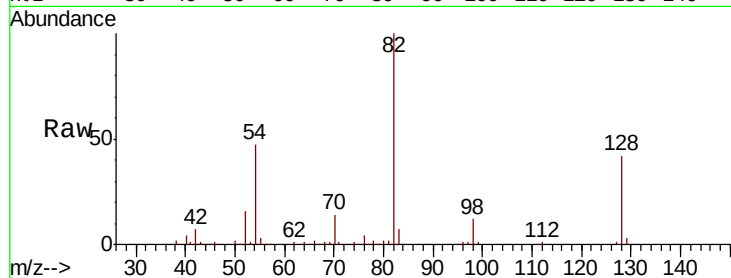
Tot Ion: 82 Resp: 219291

Ion Ratio Lower Upper

82 100

95 0.3 5.2 7.8#

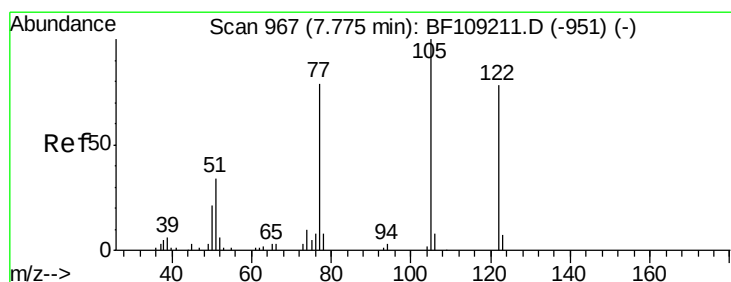
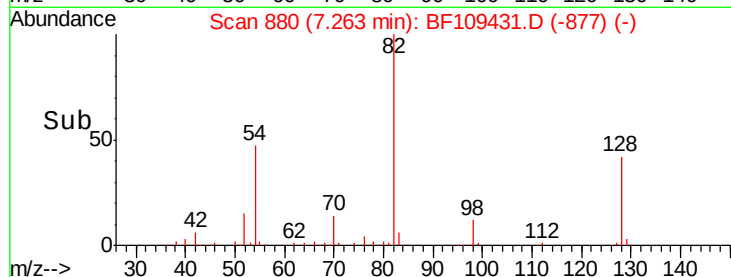
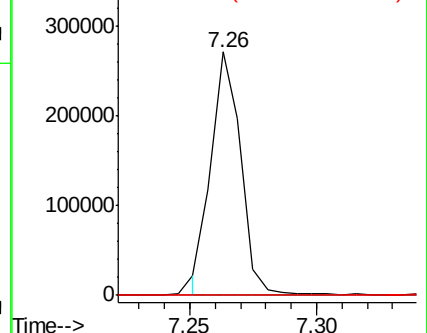
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 6.825 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.17 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

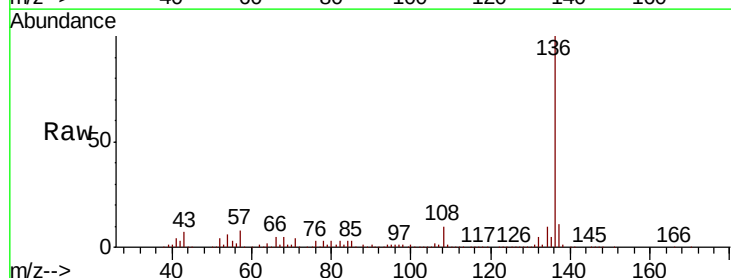
Tgt Ion: 122 Resp: 133

Ion Ratio Lower Upper

122 100

105 280.1 101.1 141.1#

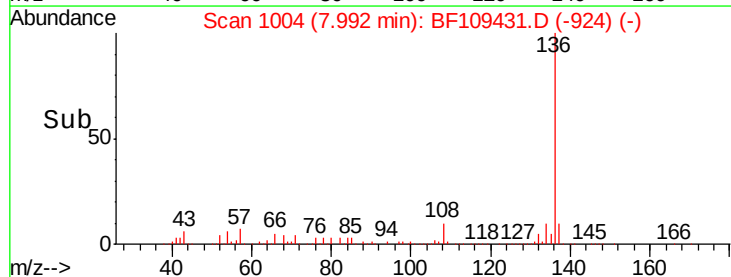
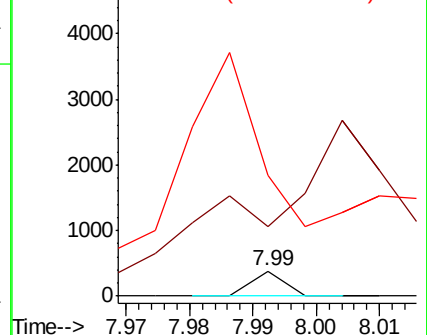
77 489.7 70.7 110.7#

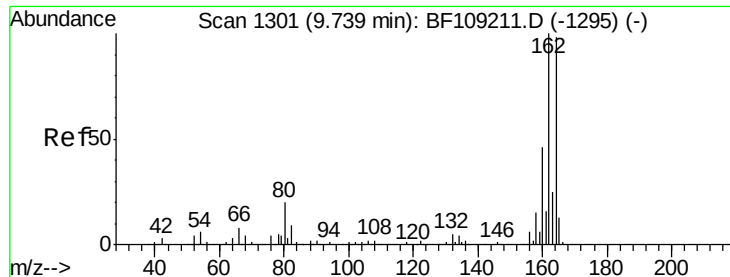


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

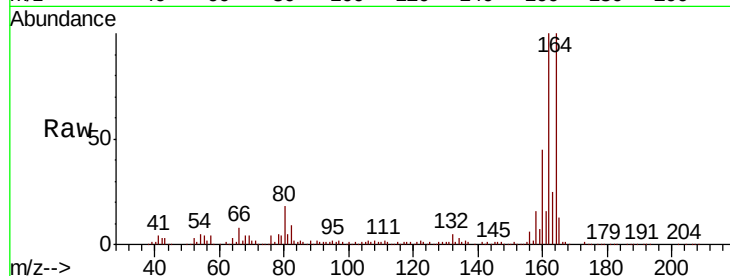




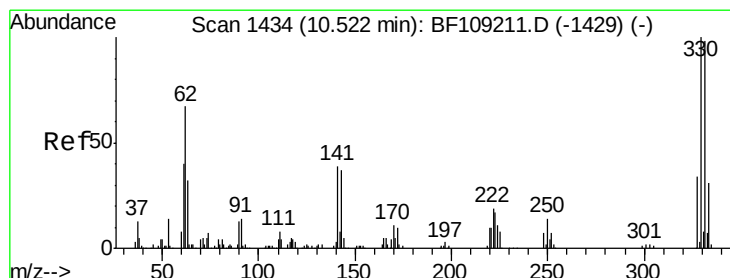
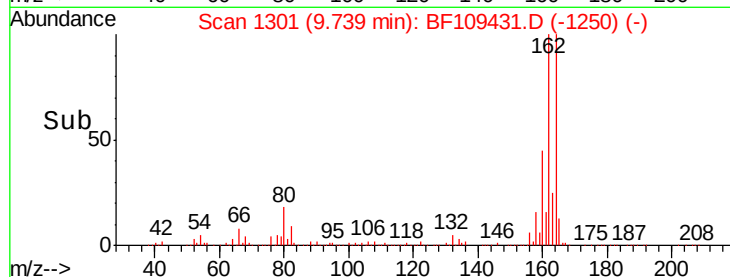
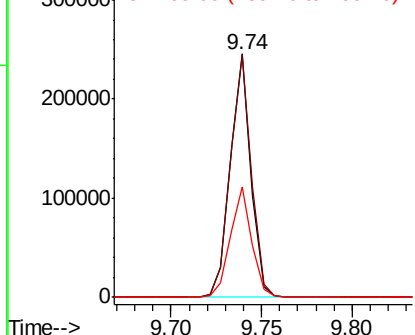
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: BF109431.D
 Acq: 28 Sep 2018 15:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:164 Resp: 194688
 Ion Ratio Lower Upper
 164 100
 162 99.7 86.1 129.1
 160 45.3 38.3 57.5

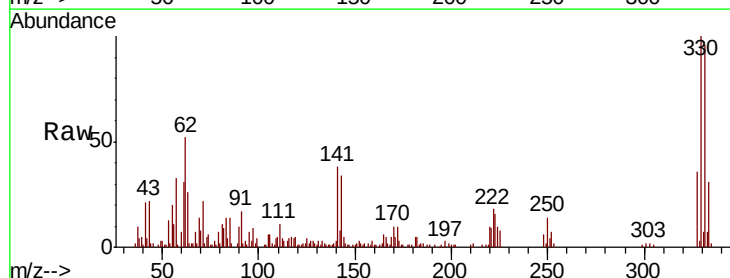


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

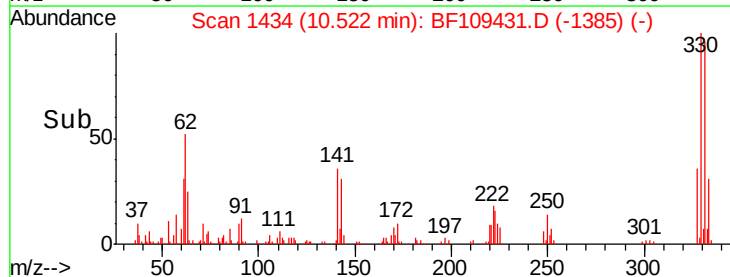
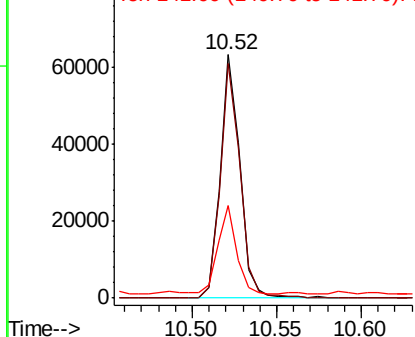


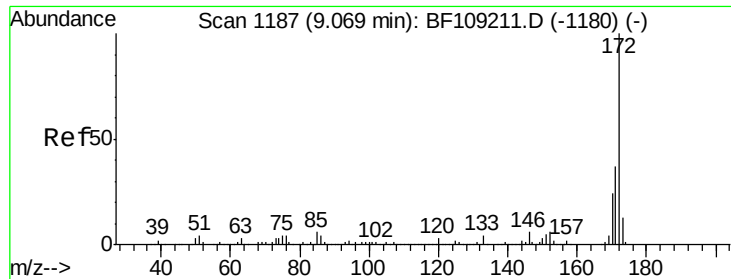
#41
 2,4,6-Tribromophenol
 Concen: 26.902 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109431.D
 Acq: 28 Sep 2018 15:54

Tgt Ion:330 Resp: 51630
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 34.4 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

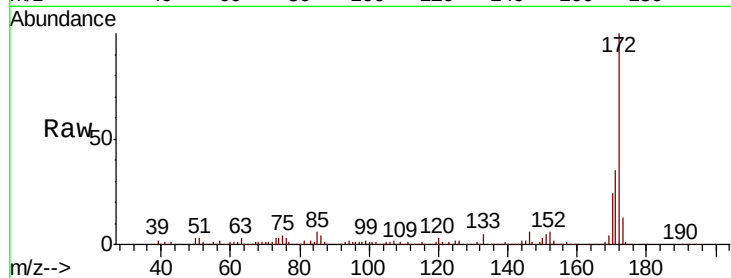




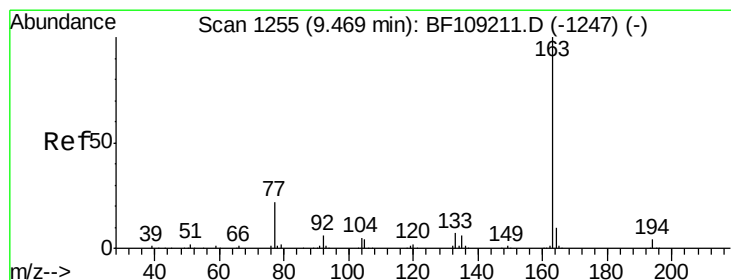
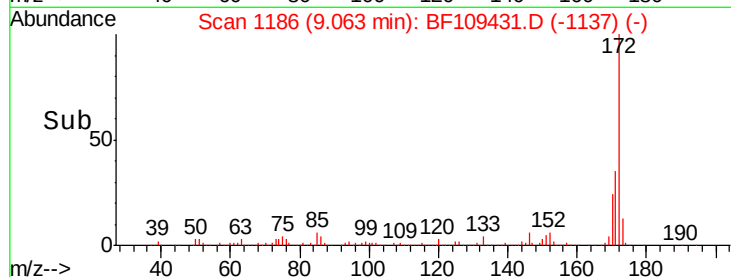
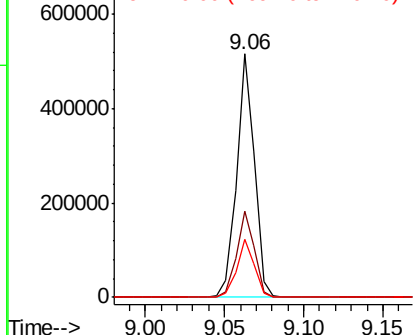
#44
 2-Fluorobiphenyl
 Concen: 31.070 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109431.D
 Acq: 28 Sep 2018 15:54

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	24.0	19.6	29.4

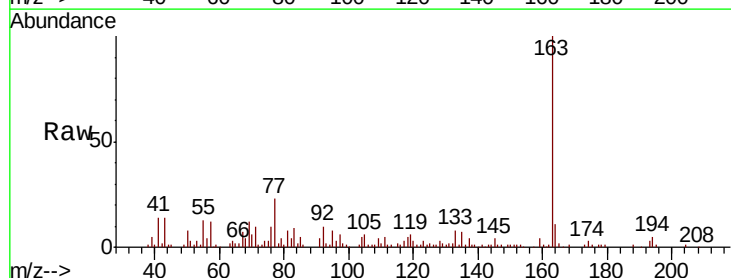


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

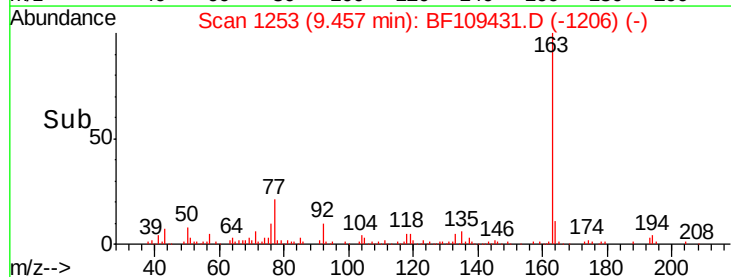
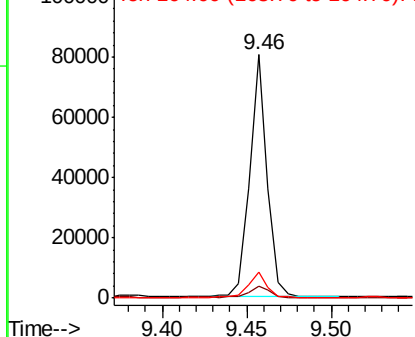


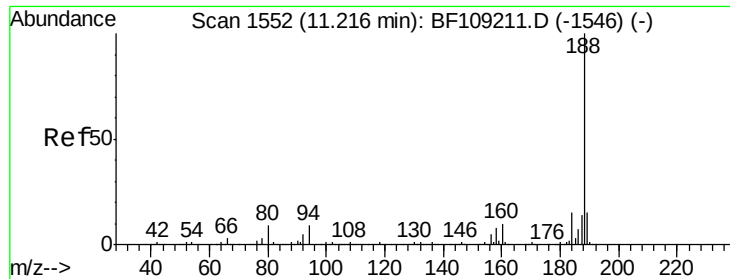
#49
 Dimethylphthalate
 Concen: 4.101 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF109431.D
 Acq: 28 Sep 2018 15:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	2.7	4.1#
164	10.6	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

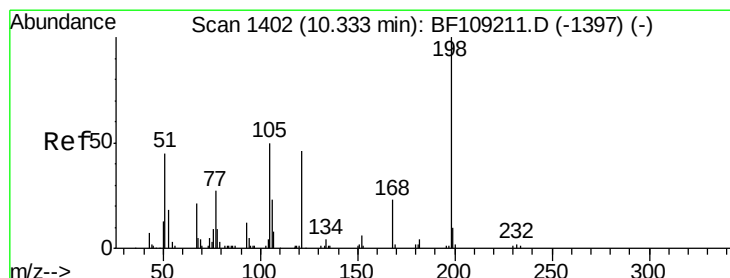
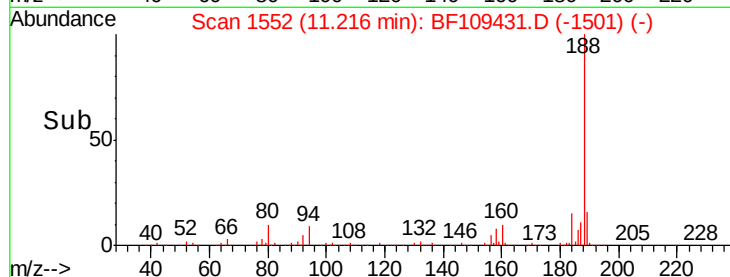
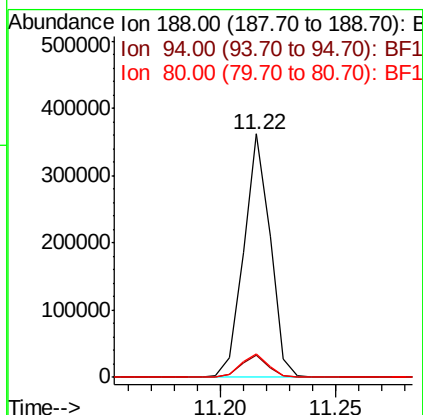
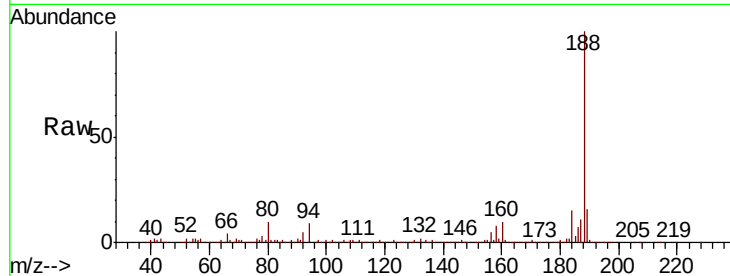




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF109431.D
Acq: 28 Sep 2018 15:54

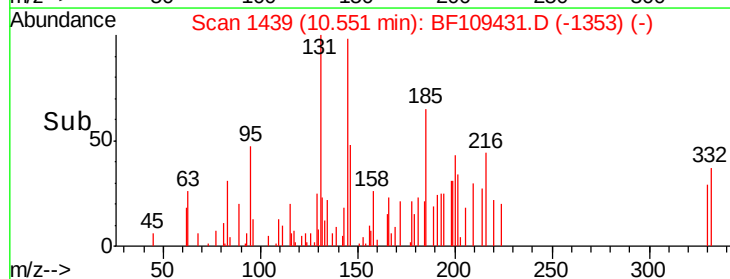
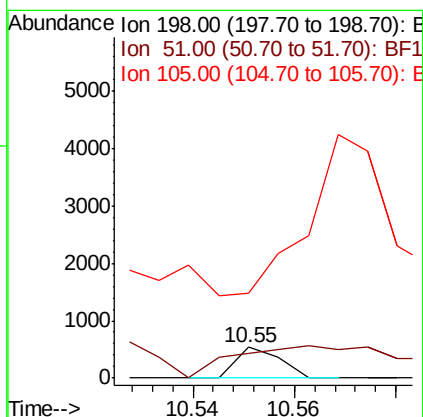
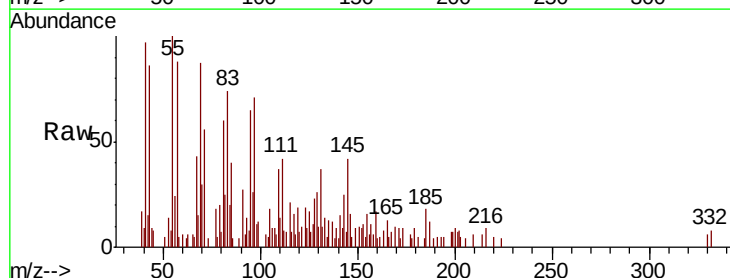
Instrument :
BNA_G
ClientSampled :

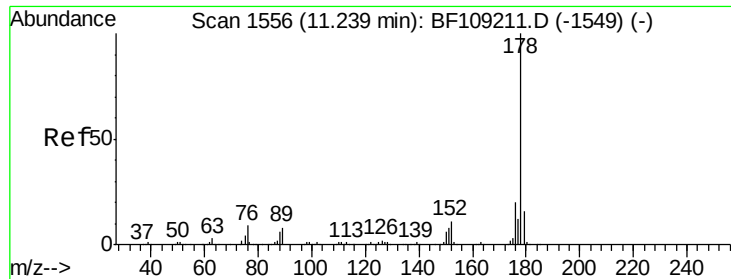
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	9.8	9.2	13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 6.756 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.21 min
Lab File: BF109431.D
Acq: 28 Sep 2018 15:54

Tgt Ion	Ratio	Lower	Upper
198	100		
51	81.6	37.7	77.7#
105	275.5	36.3	76.3#

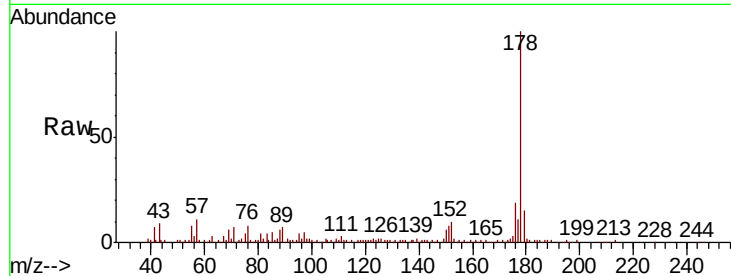




#70
Phenanthrene
Concen: 5.882 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109431.D
Acq: 28 Sep 2018 15:54

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.4	13.0	19.6

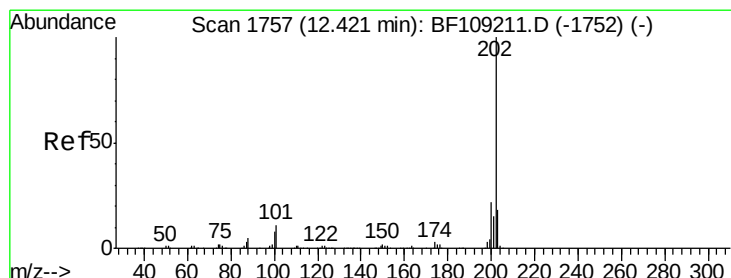
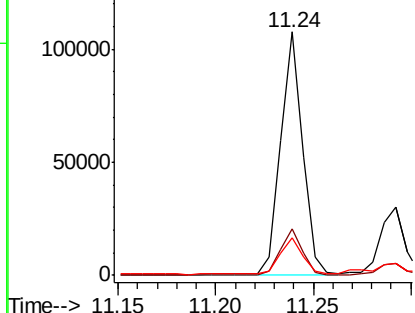
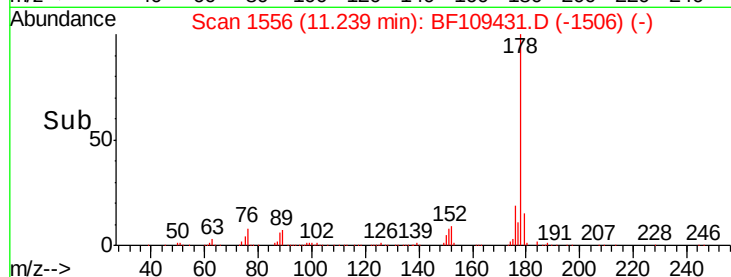


Abundance

Ion 178.00 (177.70 to 178.70): E

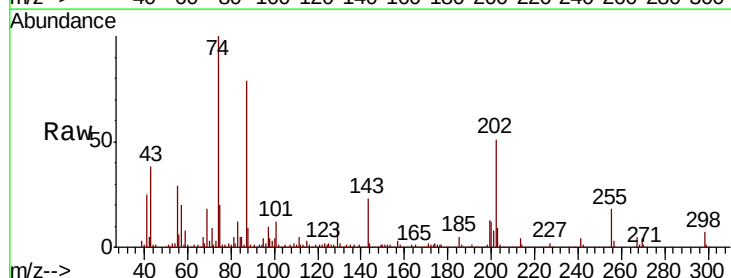
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74
Fluoranthene
Concen: 6.570 ng
RT: 12.43 min Scan# 1758
Delta R.T. -0.00 min
Lab File: BF109431.D
Acq: 28 Sep 2018 15:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	23.2	0.0	34.1
203	17.0	0.0	38.1

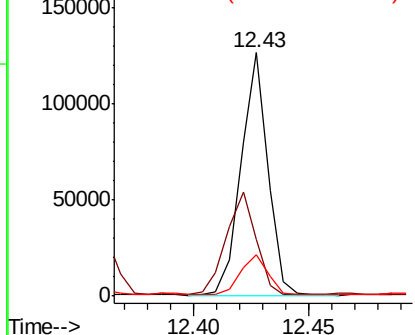
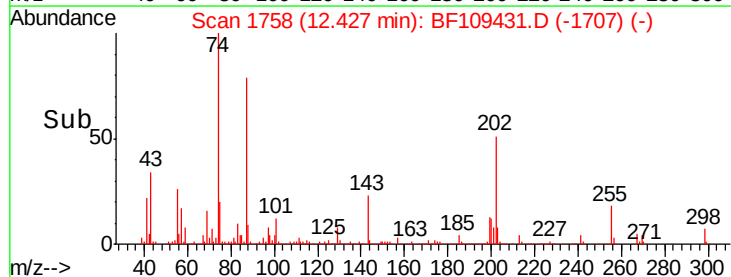


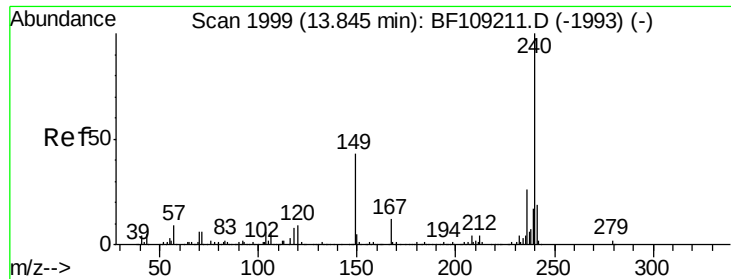
Abundance

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: 13.84 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

Instrument :

BNA_G

ClientSampleId :

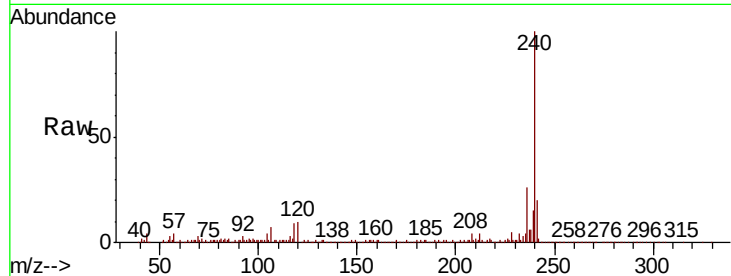
Tot Ion:240 Resp: 240171

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

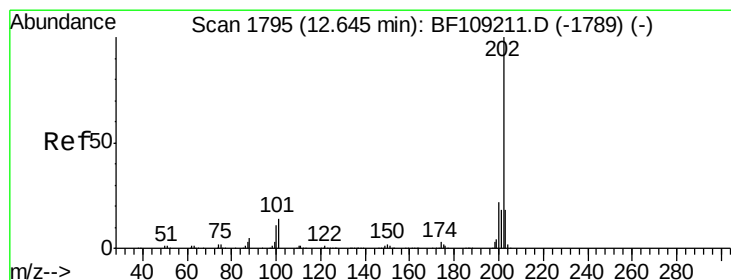
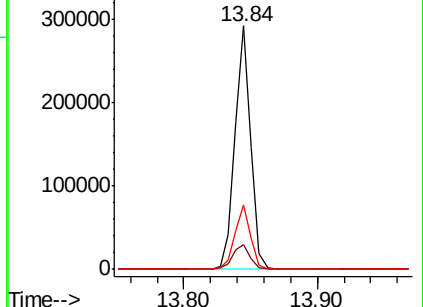
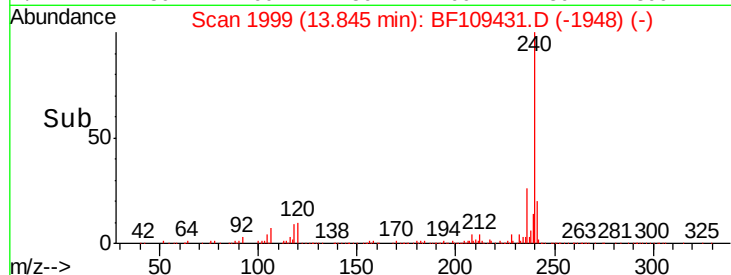
236 26.4 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 6.942 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.00 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

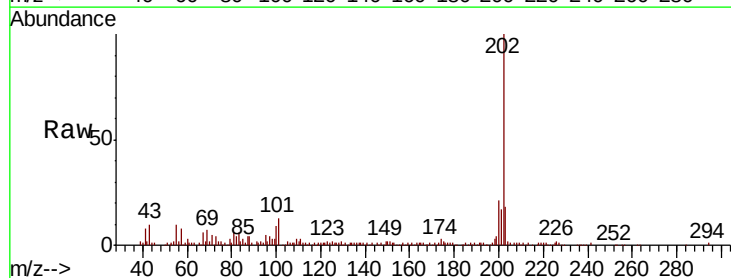
Tgt Ion:202 Resp: 119491

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

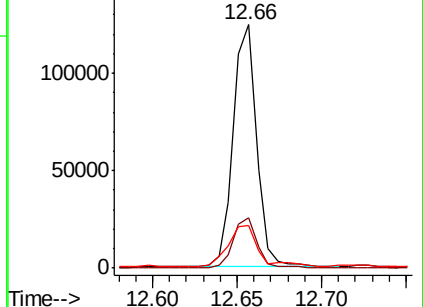
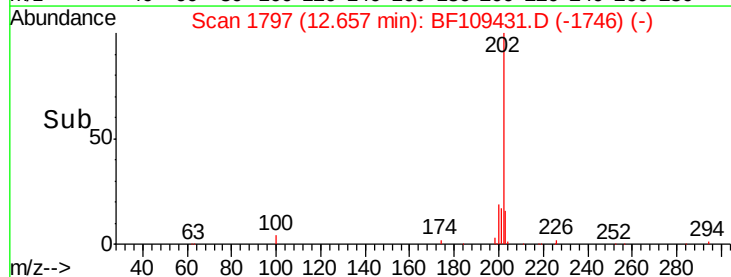
203 17.6 14.3 21.5

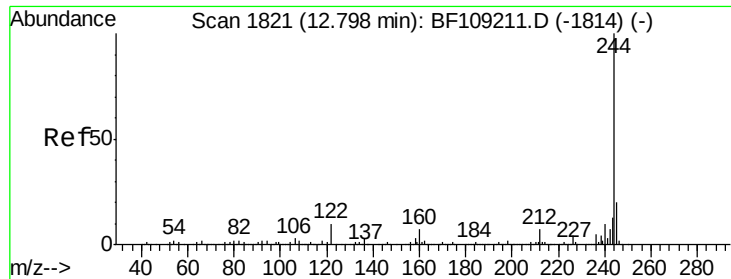


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 27.608 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

Instrument :

BNA_G

ClientSampleId :

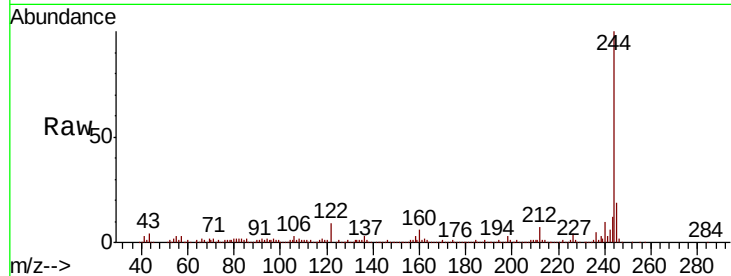
Tot Ion:244 Resp: 270183

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

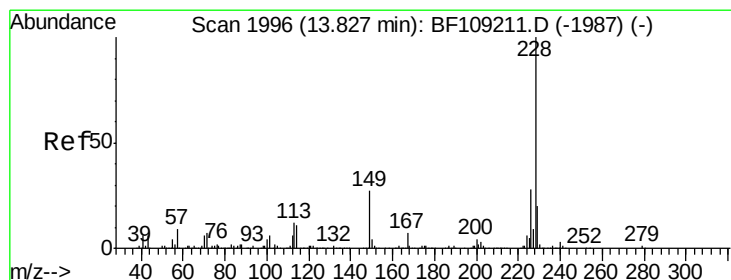
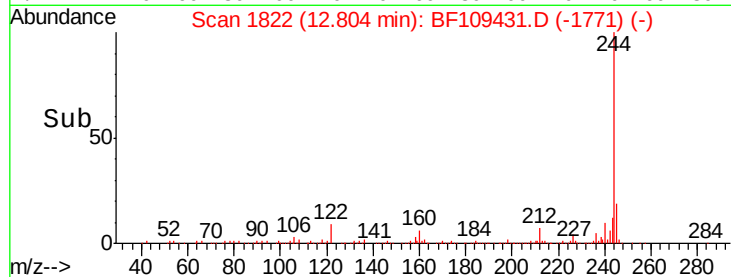
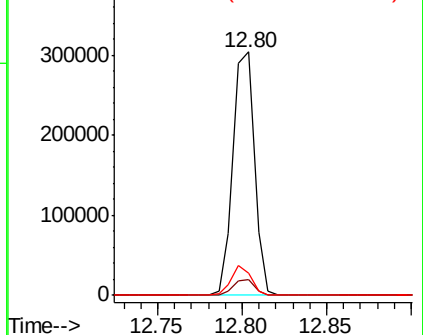
122 9.2 11.0 16.4#



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: 4.358 ng

RT: 13.83 min Scan# 1997

Delta R.T. 0.00 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

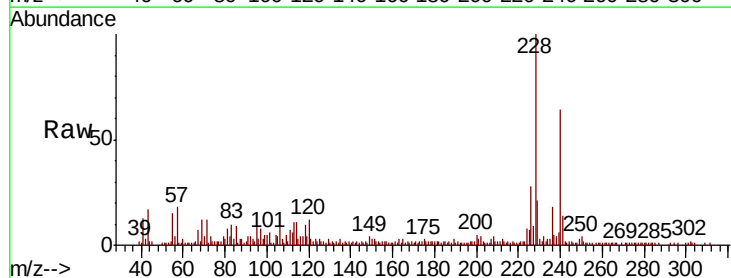
Tgt Ion:228 Resp: 63048

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

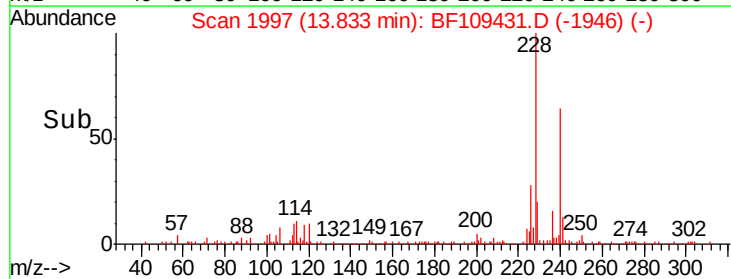
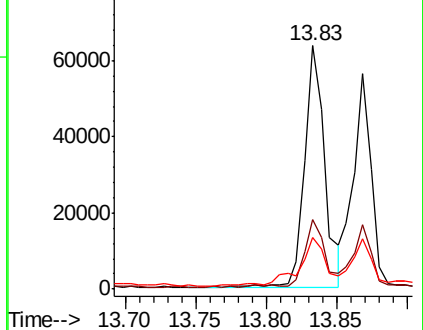
229 21.0 15.8 23.6

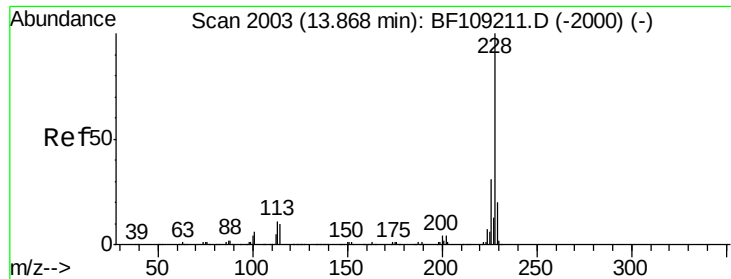


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.520 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

Instrument :

BNA_G

ClientSampleId :

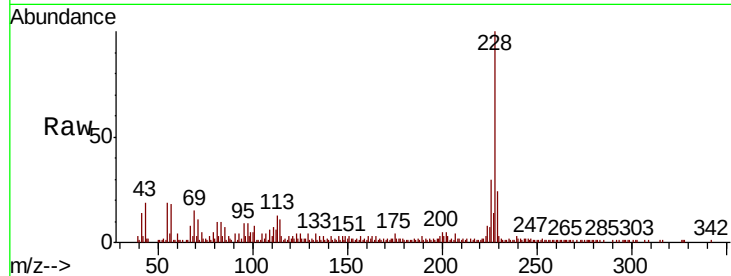
Tot Ion:228 Resp: 50476

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

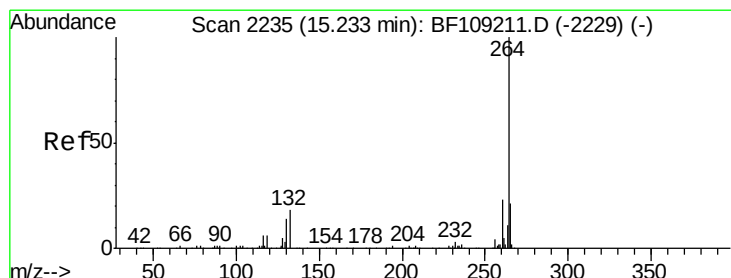
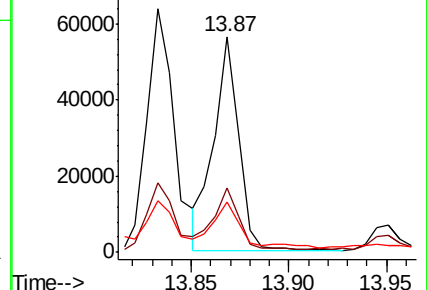
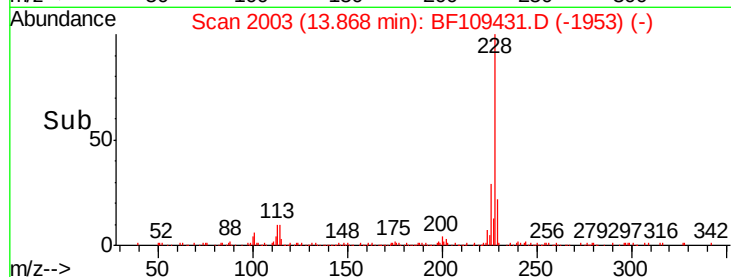
229 23.6 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.01 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

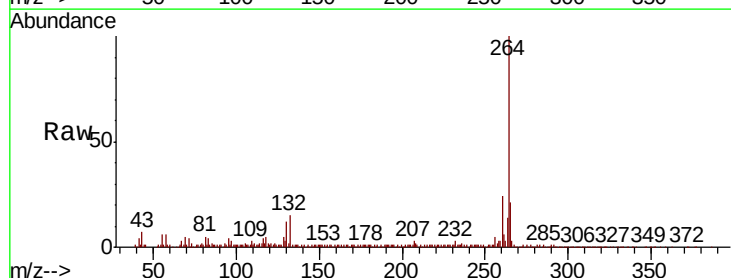
Tgt Ion:264 Resp: 191353

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

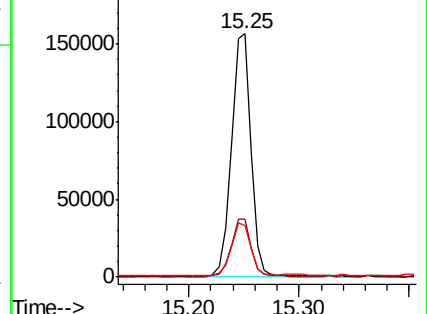
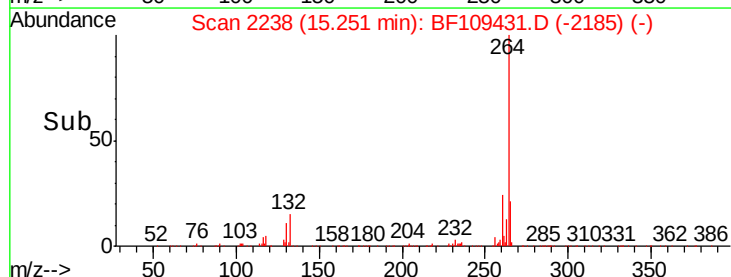
265 21.2 17.5 26.3

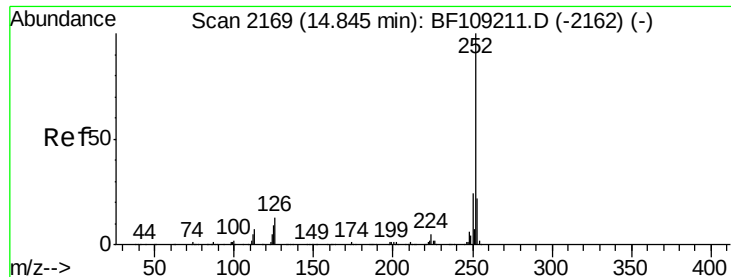


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.520 ng

RT: 14.85 min Scan# 2170

Delta R.T. -0.00 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

Instrument :

BNA_G

ClientSampleId :

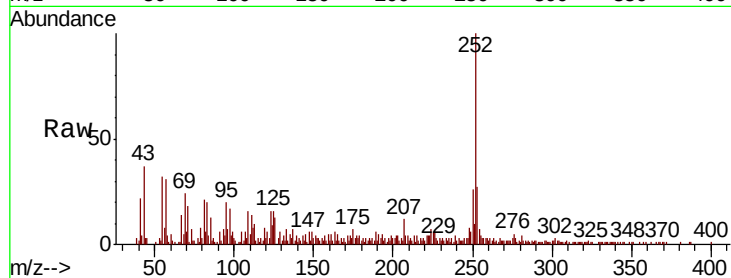
Tot Ion:252 Resp: 68551

Ion Ratio Lower Upper

252 100

253 26.6 17.0 25.6#

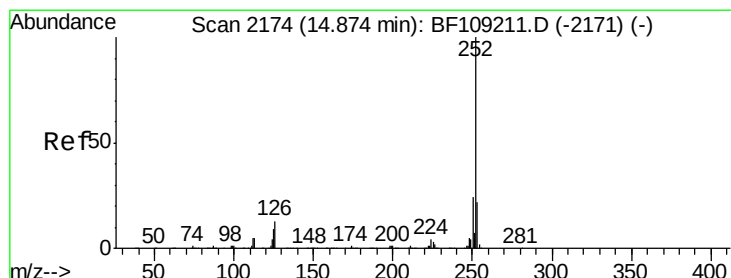
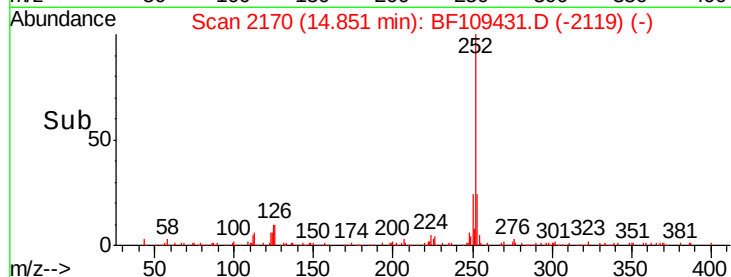
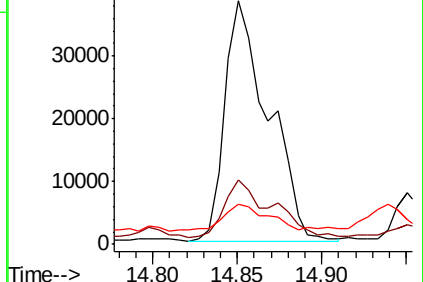
125 16.3 9.0 13.6#



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: 6.870 ng

RT: 14.85 min Scan# 2170

Delta R.T. -0.03 min

Lab File: BF109431.D

Acq: 28 Sep 2018 15:54

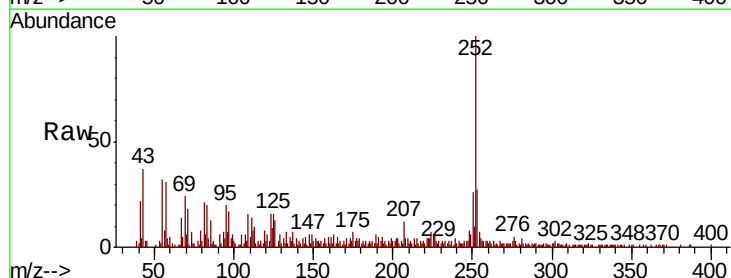
Tgt Ion:252 Resp: 68551

Ion Ratio Lower Upper

252 100

253 26.6 17.9 26.9

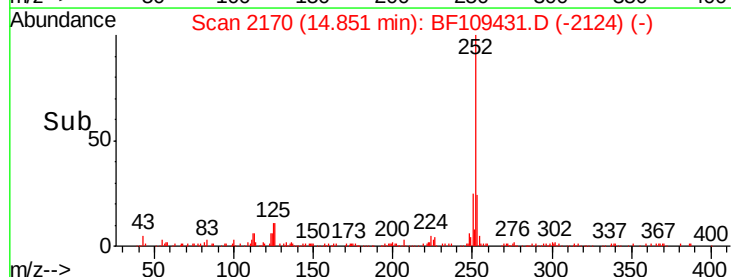
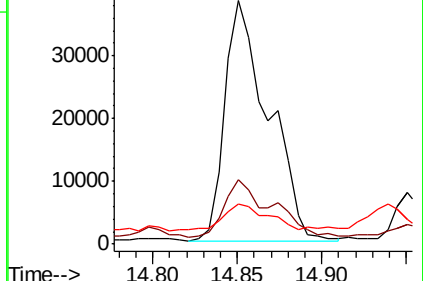
125 16.3 10.2 15.2#

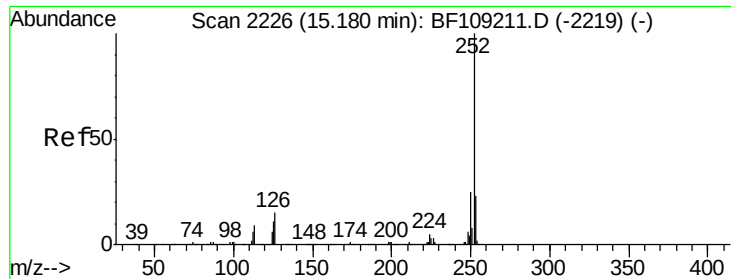


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

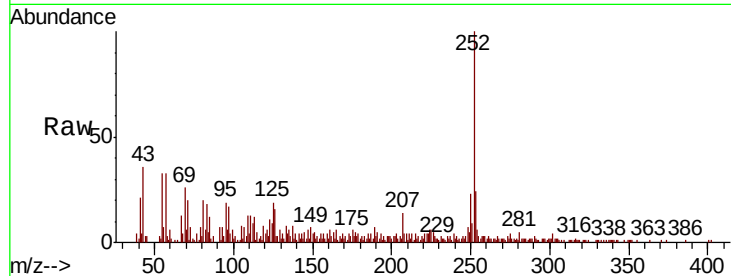




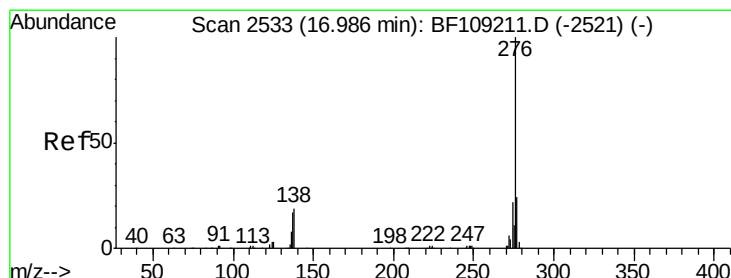
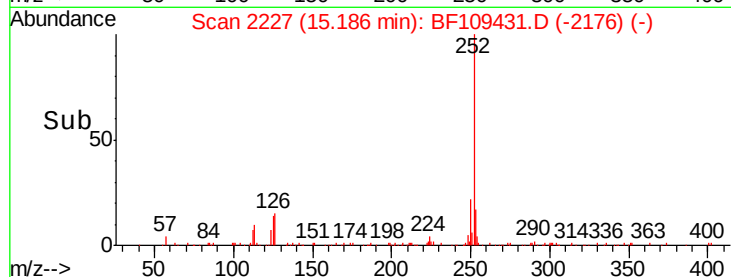
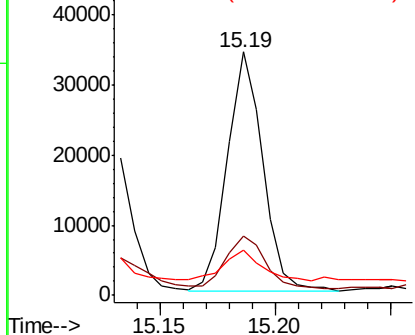
#89
Benzo(a)pyrene
Concen: 3.847 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF109431.D
Acq: 28 Sep 2018 15:54

Instrument :
BNA_G
ClientSampled :

Tot Ion:252 Resp: 36446
Ion Ratio Lower Upper
252 100
253 24.1 17.1 25.7
125 18.7 9.8 14.6#

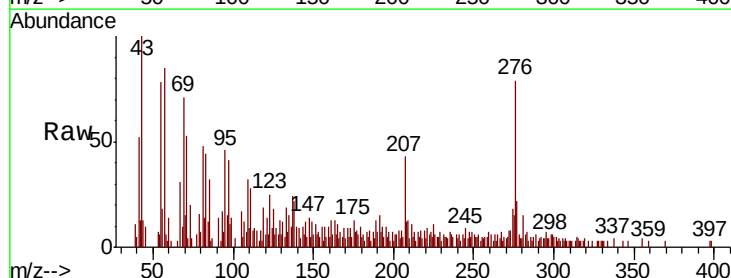


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.116 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.01 min
Lab File: BF109431.D
Acq: 28 Sep 2018 15:54

Tgt Ion:276 Resp: 16164
Ion Ratio Lower Upper
276 100
277 27.6 17.9 26.9#
138 28.6 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

