

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101518\
 Data File : BF109895.D
 Acq On : 15 Oct 2018 22:35
 Operator : JU/SJ
 Sample : J5455-05 100X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 01:14:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 15 18:09:48 2018
 Response via : Initial Calibration

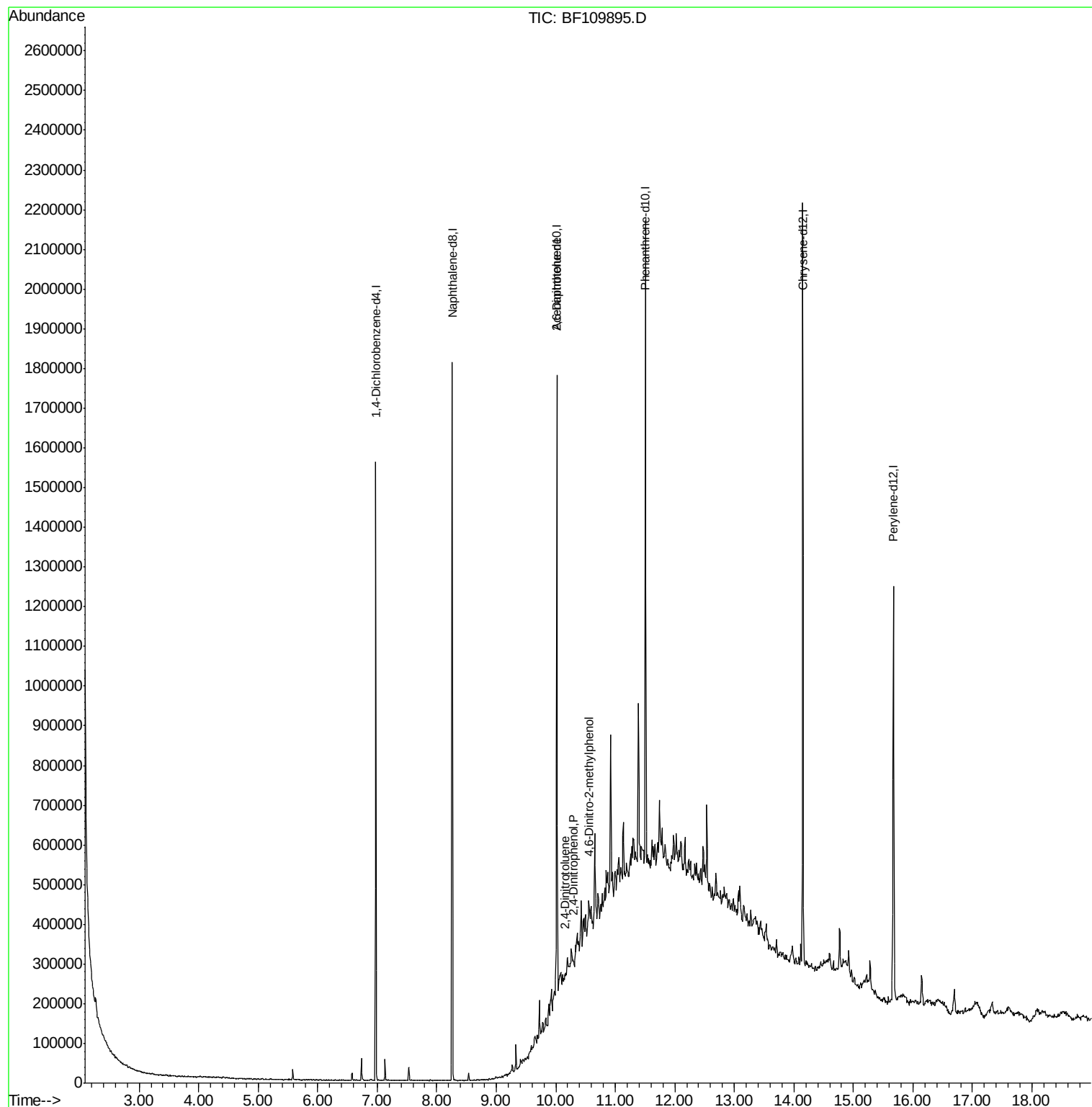
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	219475	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	799217	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	310370	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	515077	20.00	ng	0.00
76) Chrysene-d12	14.15	240	583122	20.00	ng	0.00
87) Perylene-d12	15.67	264	449928	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	6626	0.48	ng	-0.01
7) Phenol-d6	6.58	99	5275	0.31	ng	-0.01
23) Nitrobenzene-d5	7.53	82	9385	0.79	ng	-0.01
42) 2,4,6-Tribromophenol	10.80	330	2124	0.79	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	18547	0.95	ng	0.00
79) Terphenyl-d14	13.09	244	19951	0.72	ng	0.00
Target Compounds						
51) 2,6-Dinitrotoluene	10.02	165	42265	10.125	ng	# 23
54) 2,4-Dinitrophenol	10.30	184	114	8.985	ng	# 15
57) 2,4-Dinitrotoluene	10.15	165	1331	4.811	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.56	198	146	7.970	ng	# 1

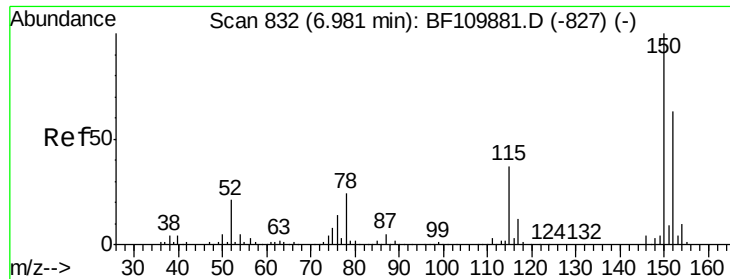
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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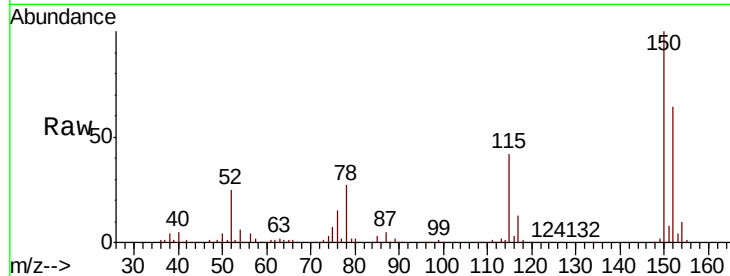


#1

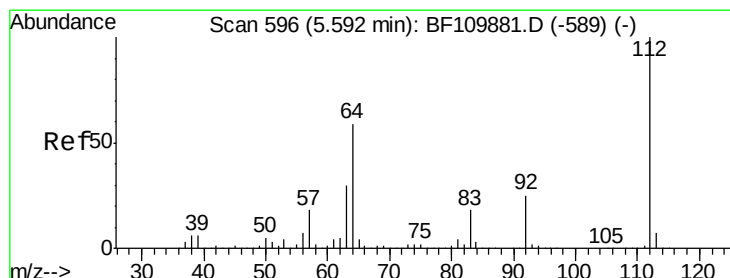
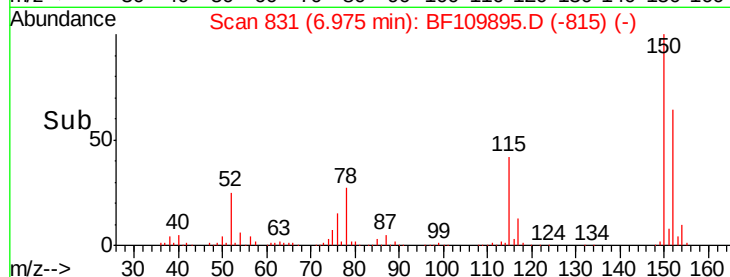
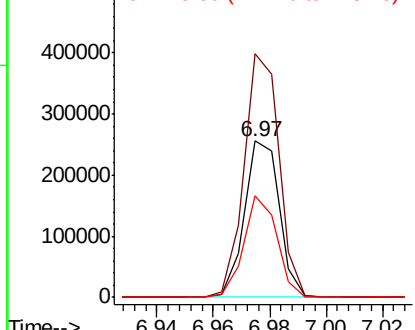
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF109895.D
Acq: 15 Oct 2018 22:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 219475
Ion Ratio Lower Upper
152 100
150 155.9 122.7 184.1
115 65.1 49.1 73.7



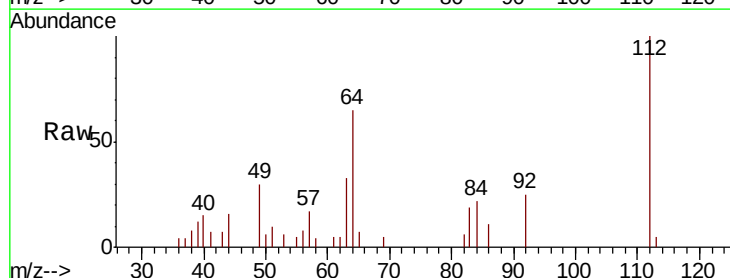
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



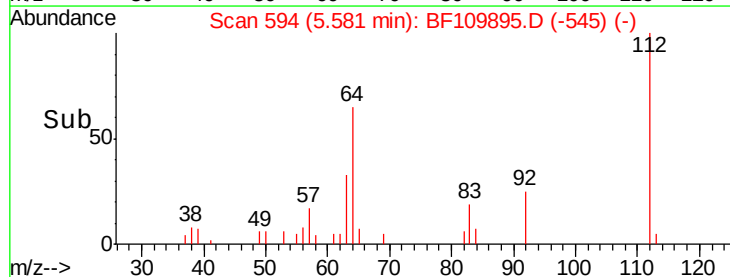
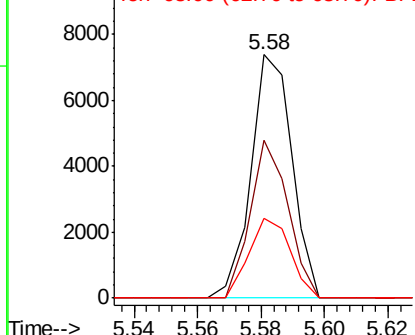
#5

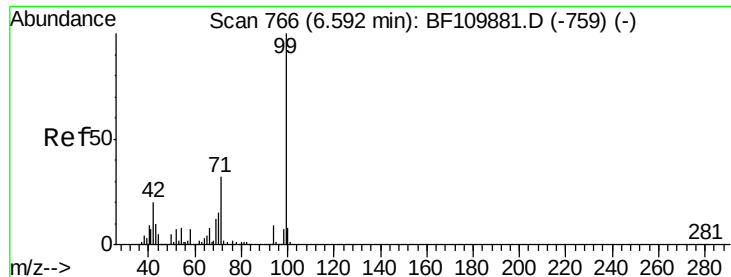
2-Fluorophenol
Concen: 0.479 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF109895.D
Acq: 15 Oct 2018 22:35

Tgt Ion:112 Resp: 6626
Ion Ratio Lower Upper
112 100
64 64.9 44.1 66.1
63 32.9 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: 0.307 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF109895.D

Acq: 15 Oct 2018 22:35

Instrument :

BNA_F

ClientSampleId :

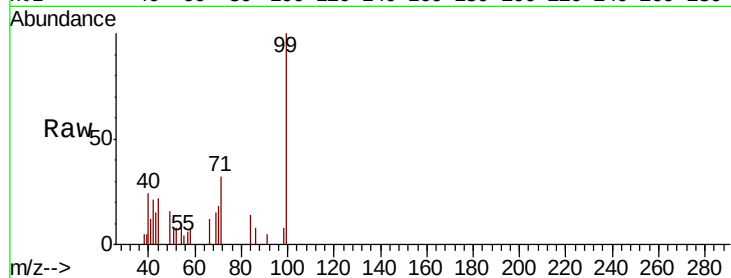
Tot Ion: 99 Resp: 5275

Ion Ratio Lower Upper

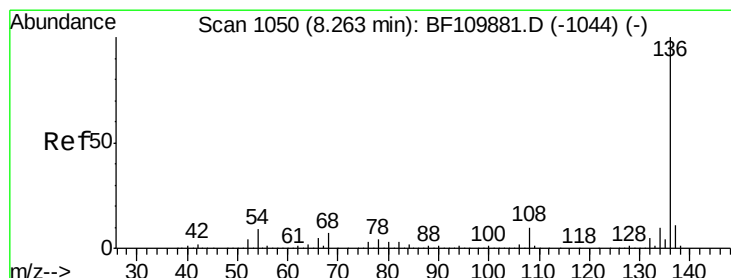
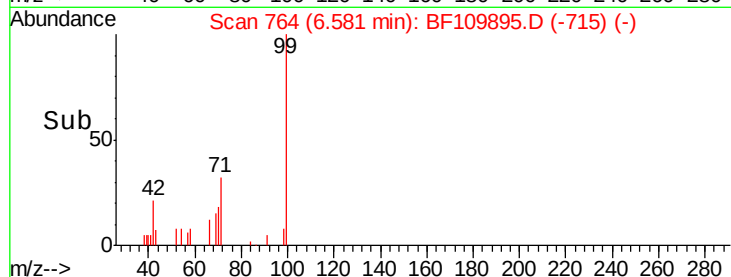
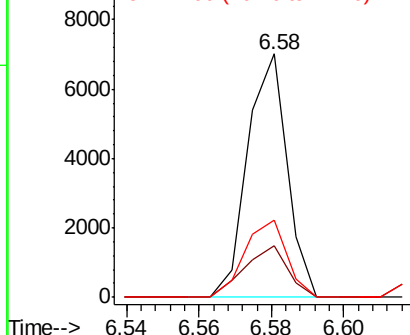
99 100

42 21.0 15.8 23.6

71 31.7 28.0 42.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF109895.D

Acq: 15 Oct 2018 22:35

Tgt Ion: 136 Resp: 799217

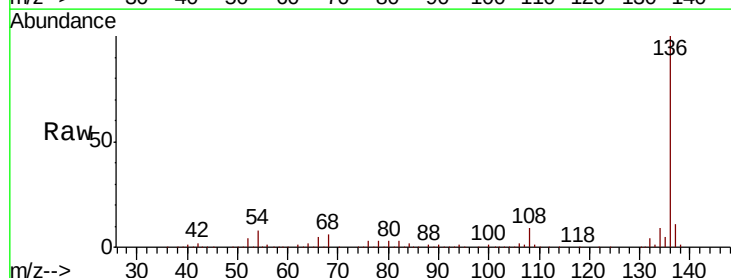
Ion Ratio Lower Upper

136 100

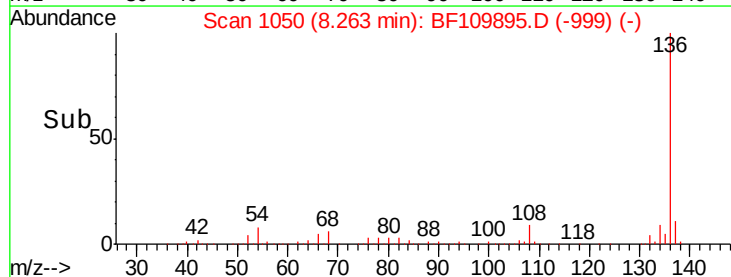
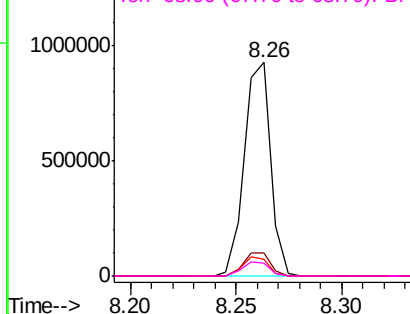
137 10.9 8.8 13.2

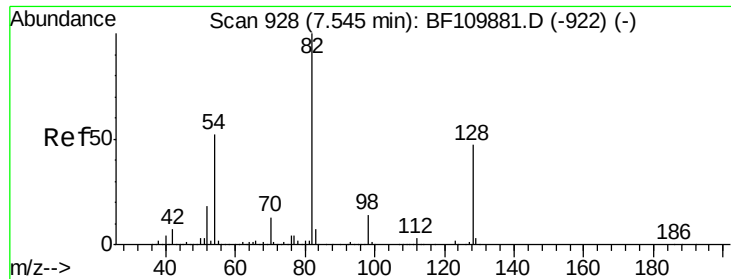
54 7.7 5.4 8.2

68 5.9 4.2 6.2



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

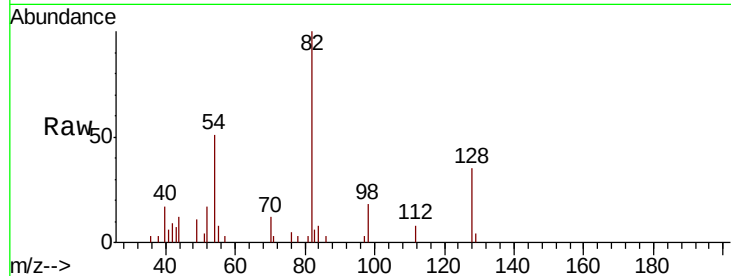




#23
 Nitrobenzene-d5
 Concen: 0.791 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BF109895.D
 Acq: 15 Oct 2018 22:35

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	9385
Ion Ratio	100	Lower	Upper
128	34.7	34.2	51.2
54	50.6	38.6	58.0

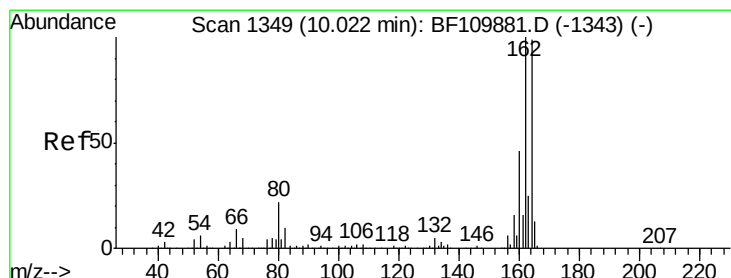
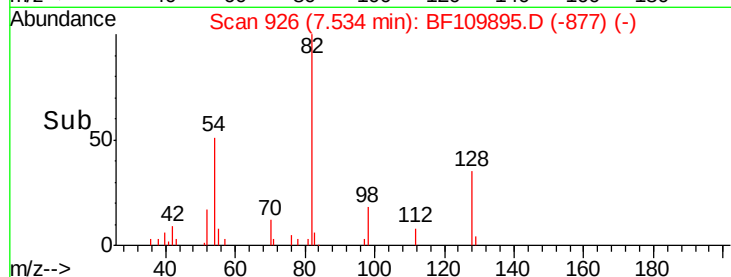
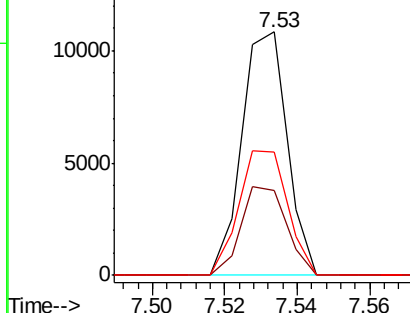


Abundance

Ion 82.00 (81.70 to 82.70): BF1

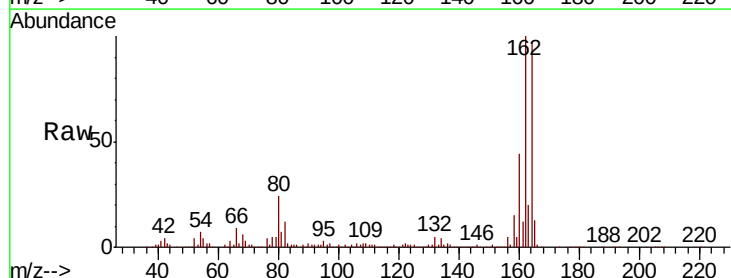
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF109895.D
 Acq: 15 Oct 2018 22:35

Tgt Ion	164	Resp	310370
Ion Ratio	100	Lower	Upper
162	103.3	83.0	124.6
160	45.3	37.0	55.6

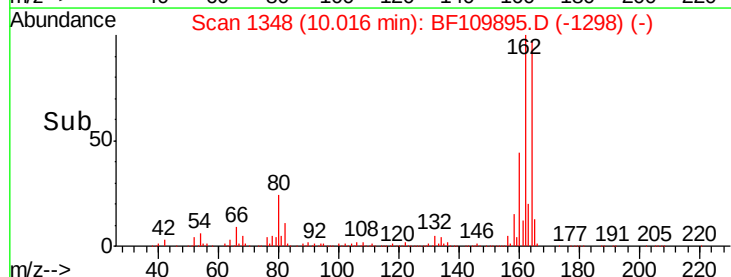
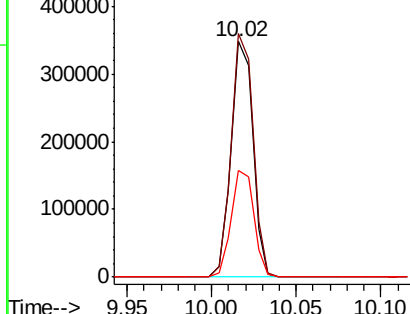


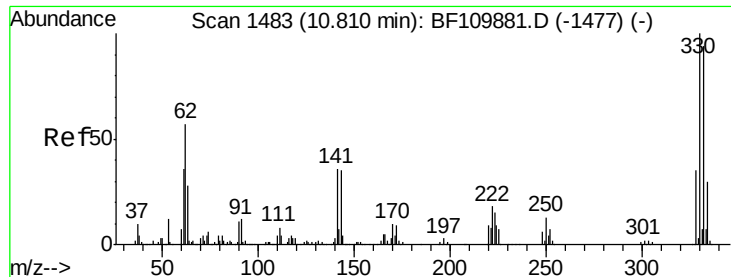
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

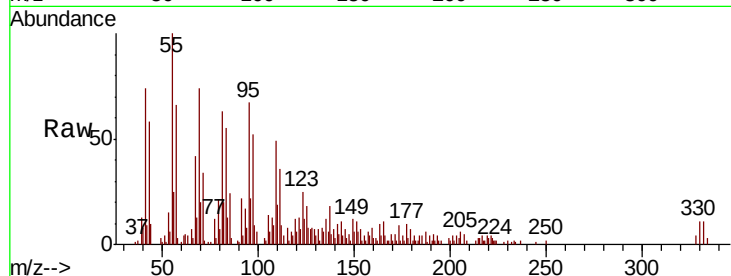




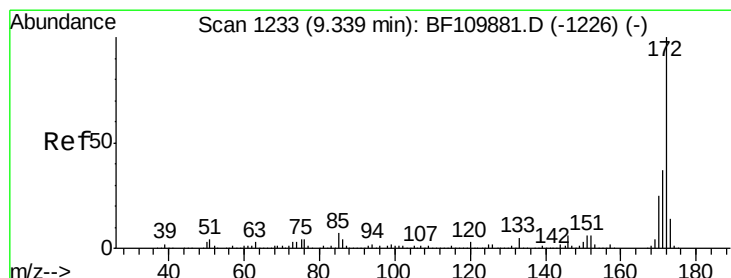
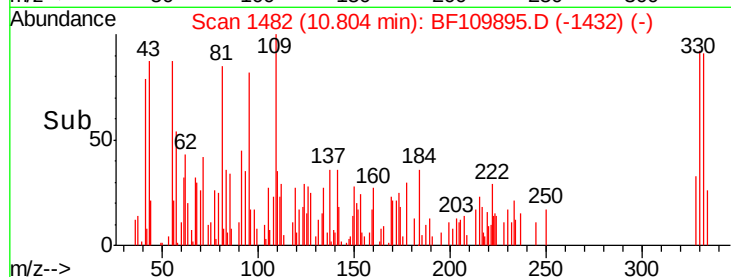
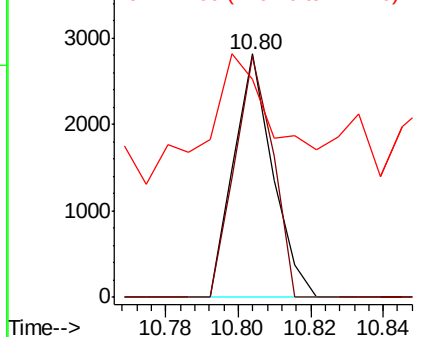
#42
 2,4,6-Tribromophenol
 Concen: 0.790 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF109895.D
 Acq: 15 Oct 2018 22:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 2124
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.1 115.7
 141 91.2 27.0 40.4#

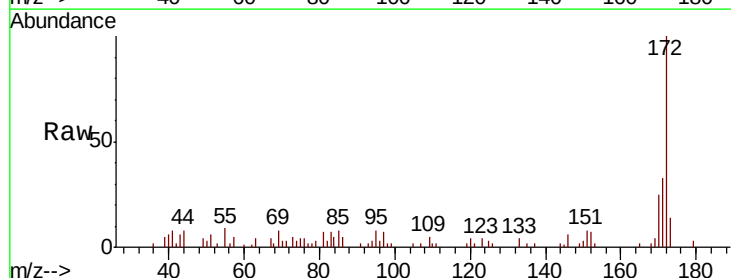


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

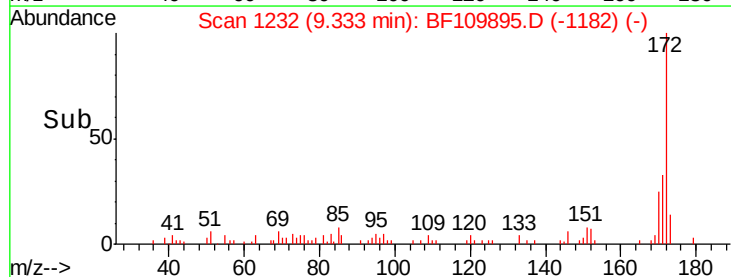
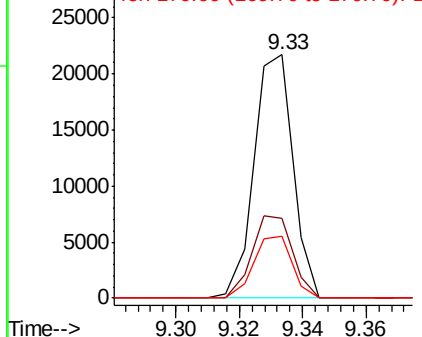


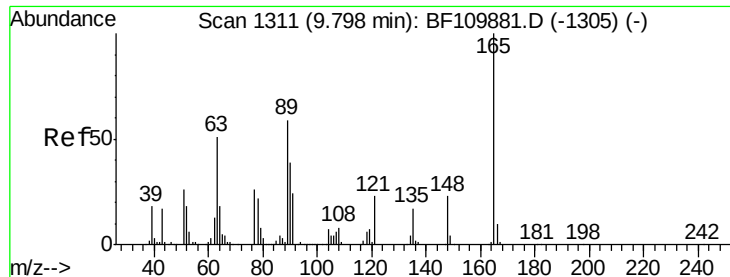
#45
 2-Fluorobiphenyl
 Concen: 0.954 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF109895.D
 Acq: 15 Oct 2018 22:35

Tgt Ion:172 Resp: 18547
 Ion Ratio Lower Upper
 172 100
 171 33.0 28.6 43.0
 170 25.3 19.7 29.5



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





#51

2,6-Dinitrotoluene

Concen: 10.125 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.22 min

Lab File: BF109895.D

Acq: 15 Oct 2018 22:35

Instrument :

BNA_F

ClientSampleId :

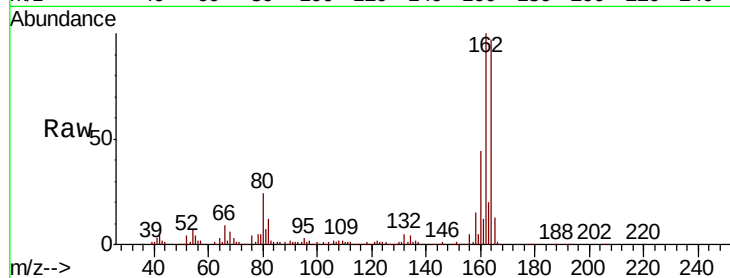
Tot Ion:165 Resp: 42265

Ion Ratio Lower Upper

165 100

63 1.5 48.9 73.3#

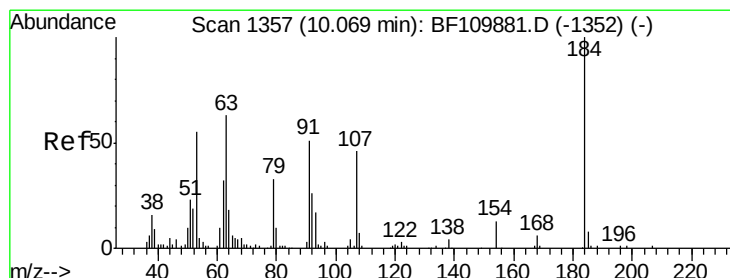
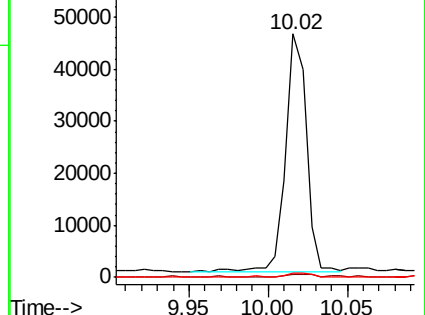
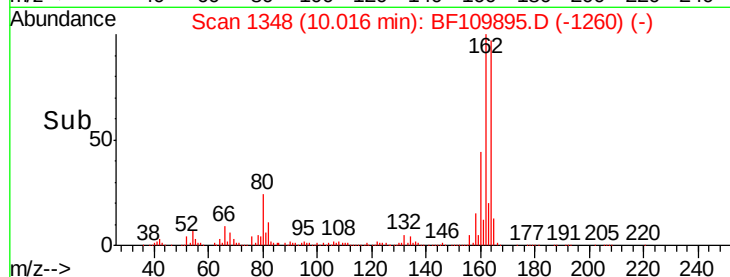
89 1.6 46.6 69.8#



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



#54

2,4-Dinitrophenol

Concen: 8.985 ng

RT: 10.30 min Scan# 1396

Delta R.T. 0.23 min

Lab File: BF109895.D

Acq: 15 Oct 2018 22:35

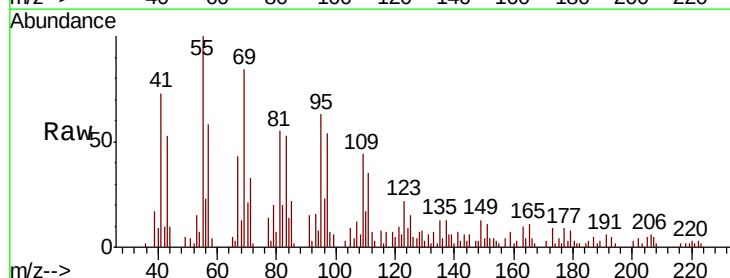
Tgt Ion:184 Resp: 114

Ion Ratio Lower Upper

184 100

63 0.0 55.8 83.6#

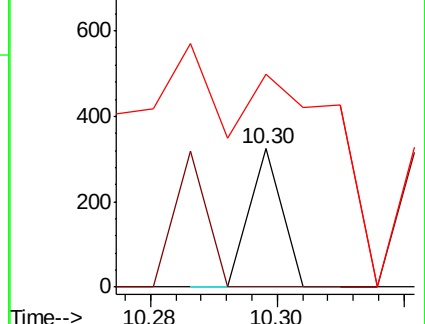
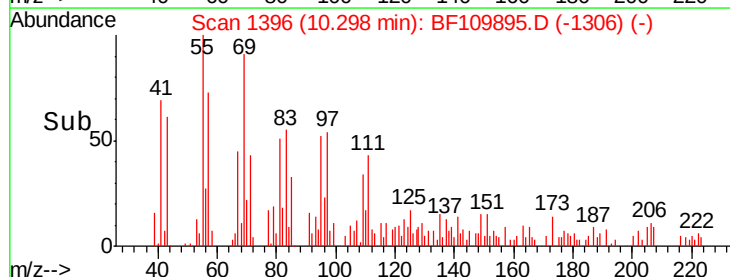
154 153.7 63.2 94.8#

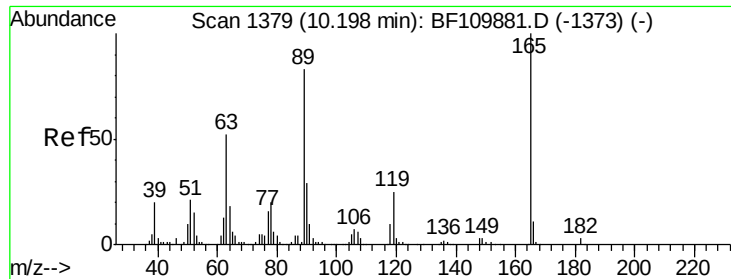


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

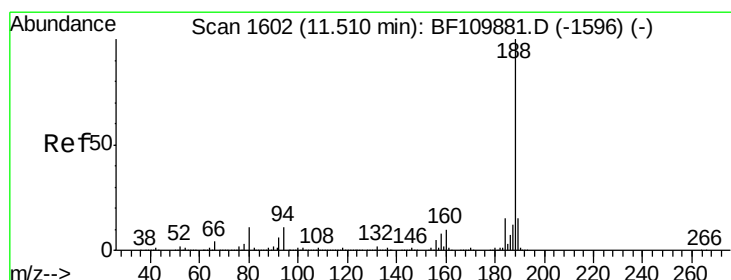
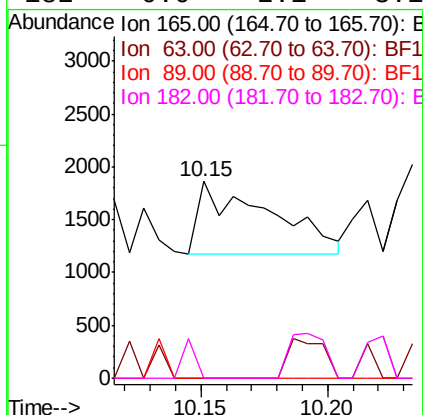
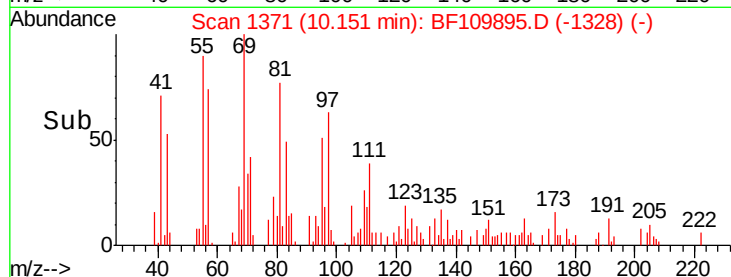
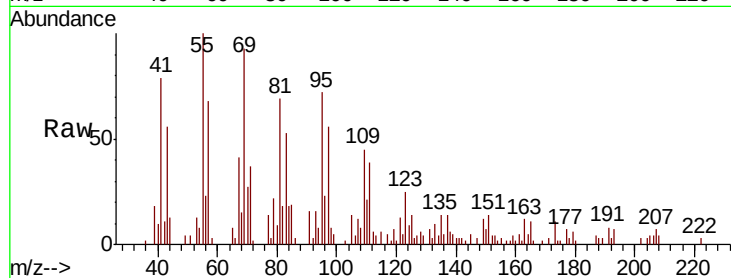




#57
2,4-Dinitrotoluene
Concen: 4.811 ng
RT: 10.15 min Scan# 1371
Delta R.T. -0.05 min
Lab File: BF109895.D
Acq: 15 Oct 2018 22:35

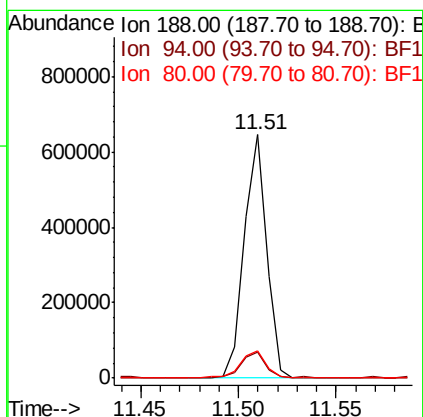
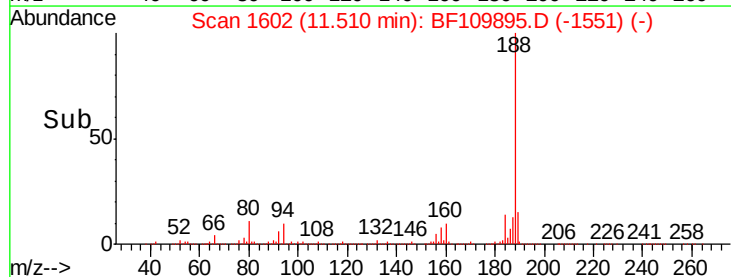
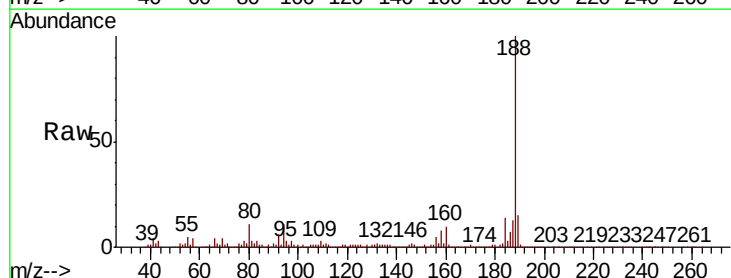
Instrument :
BNA_F
ClientSampleId :

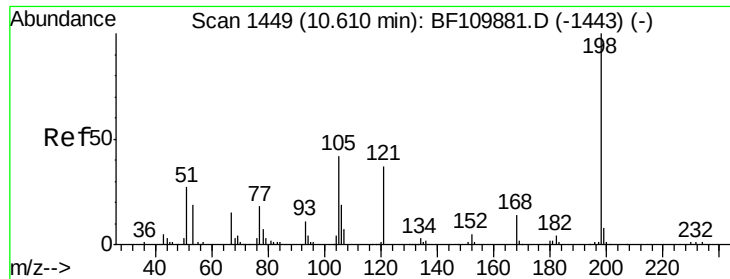
Tot Ion:165 Resp: 1331
Ion Ratio Lower Upper
165 100
63 0.0 44.8 67.2#
89 0.0 62.2 93.4#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BF109895.D
Acq: 15 Oct 2018 22:35

Tgt Ion:188 Resp: 515077
Ion Ratio Lower Upper
188 100
94 10.6 7.2 10.8
80 11.0 7.9 11.9

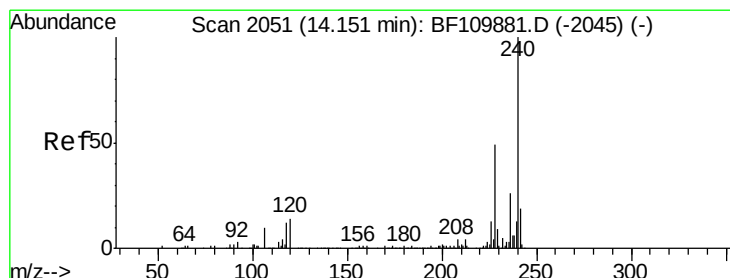
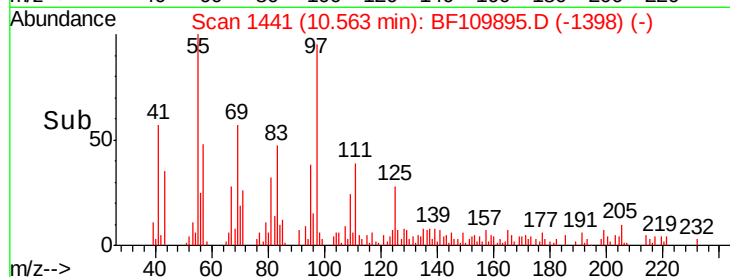
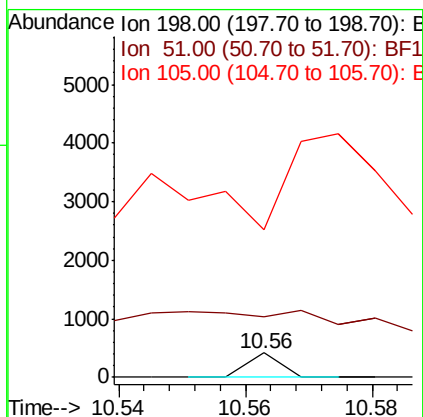
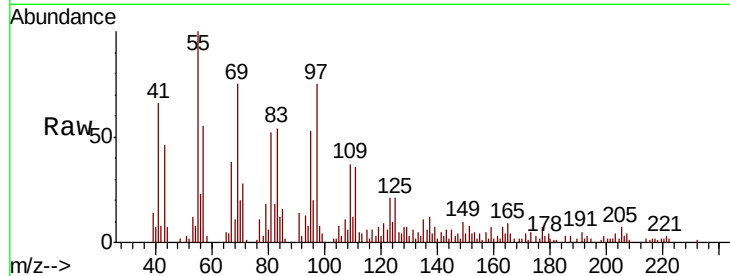




#65
4,6-Dinitro-2-methylphenol
Concen: 7.970 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.05 min
Lab File: BF109895.D
Acq: 15 Oct 2018 22:35

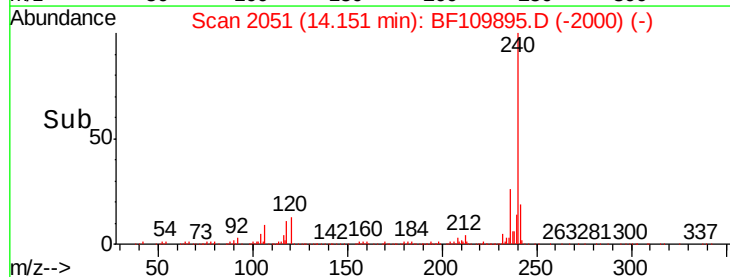
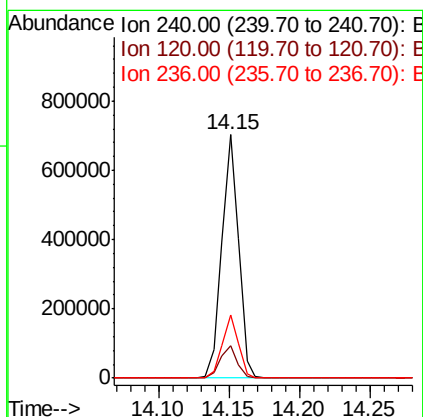
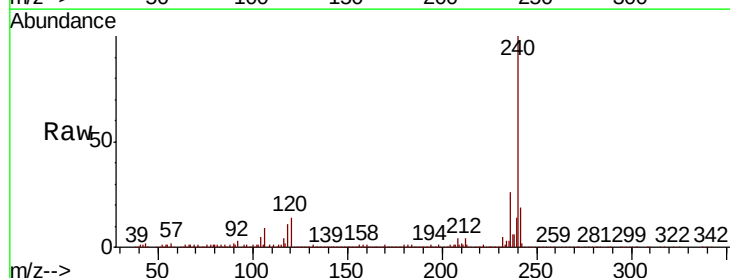
Instrument :
BNA_F
ClientSampled :

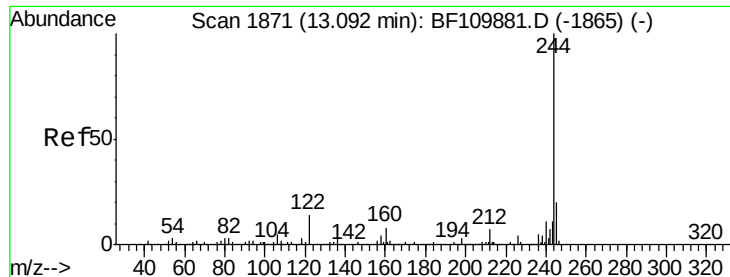
Tot Ion:198 Resp: 146
Ion Ratio Lower Upper
198 100
51 248.1 22.8 62.8#
105 610.9 23.6 63.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.00 min
Lab File: BF109895.D
Acq: 15 Oct 2018 22:35

Tgt Ion:240 Resp: 583122
Ion Ratio Lower Upper
240 100
120 13.6 8.3 12.5#
236 25.8 21.2 31.8





#79

Terphenyl-d14

Concen: 0.718 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.00 min

Lab File: BF109895.D

Acq: 15 Oct 2018 22:35

Instrument :

BNA_F

ClientSampleId :

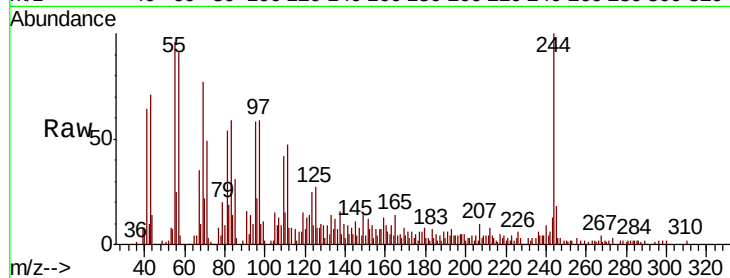
Tot Ion:244 Resp: 19951

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

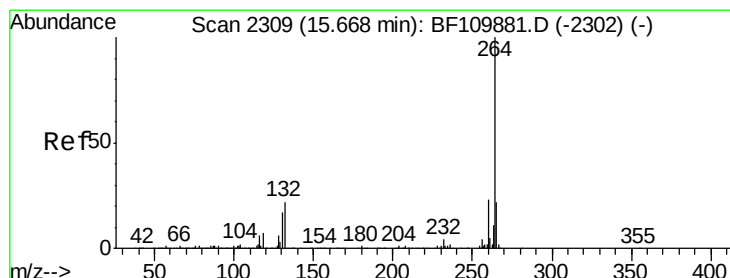
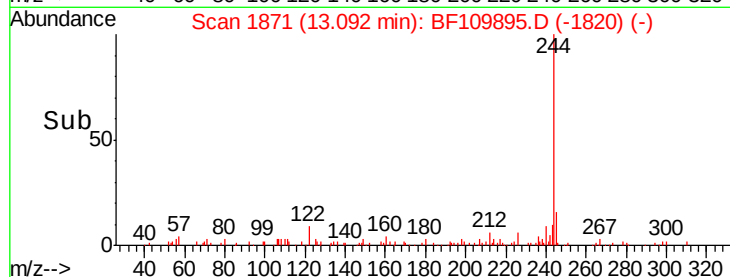
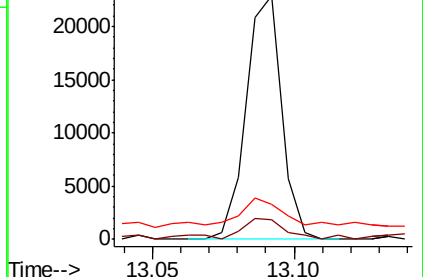
122 14.2 8.7 13.1#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2310

Delta R.T. 0.01 min

Lab File: BF109895.D

Acq: 15 Oct 2018 22:35

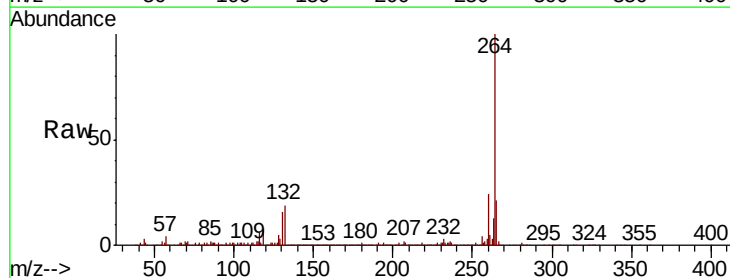
Tgt Ion:264 Resp: 449928

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 20.8 16.7 25.1



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

