

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
 Data File : BF108391.D
 Acq On : 22 Aug 2018 18:55
 Operator : JU/SJ
 Sample : J4561-02 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 23 02:16:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	171202	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	626493	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	301815	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	568202	20.00	ng	0.00
75) Chrysene-d12	14.19	240	343103	20.00	ng	0.00
86) Perylene-d12	15.75	264	345809	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	88656	9.38	ng	-0.02
7) Phenol-d6	6.61	99	126652	10.08	ng	-0.02
23) Nitrobenzene-d5	7.55	82	75131	6.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	27746	9.22	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	124623	6.63	ng	-0.01
78) Terphenyl-d14	13.12	244	115450	8.56	ng	0.00

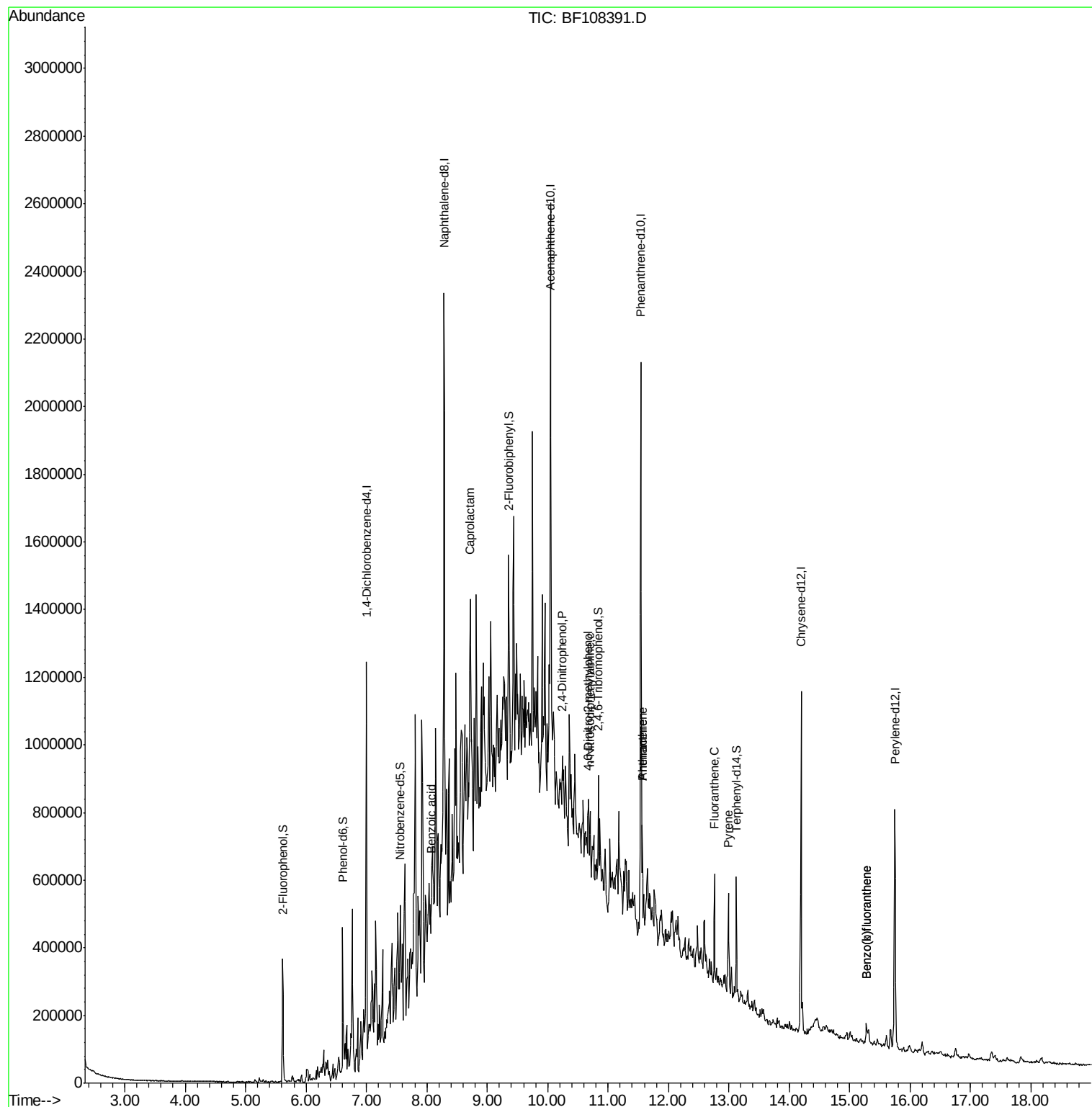
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	8.07	122	3394	6.514	ng	# 1
35) Caprolactam	8.72	113	6192	2.261	ng	# 1
53) 2,4-Dinitrophenol	10.24	184	282	7.177	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.66	198	766	5.678	ng	# 1
65) n-Nitrosodiphenylamine	10.70	169	40355	2.403	ng	# 37
70) Phenanthrene	11.57	178	85518	3.191	ng	97
71) Anthracene	11.57	178	85518	3.113	ng	95
74) Fluoranthene	12.76	202	113791	3.890	ng	95
77) Pyrene	12.99	202	117544	5.411	ng	98
87) Benzo(b)fluoranthene	15.28	252	46590	2.255	ng	# 91
88) Benzo(k)fluoranthene	15.28	252	46590	2.453	ng	# 93

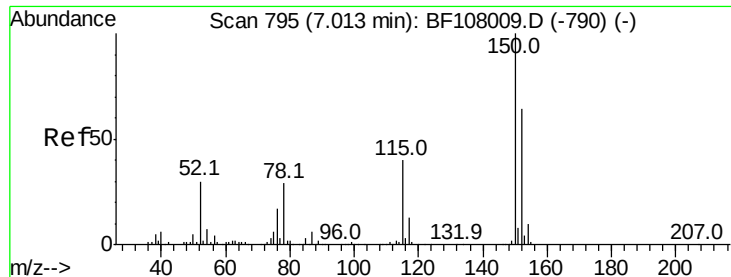
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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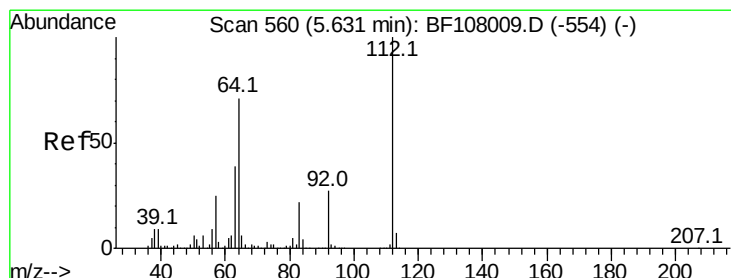
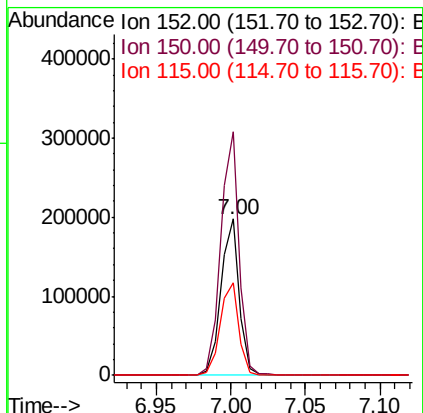
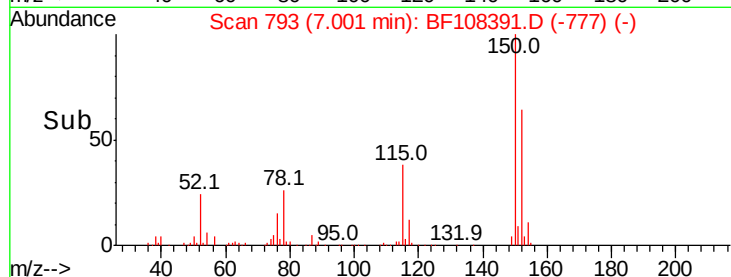
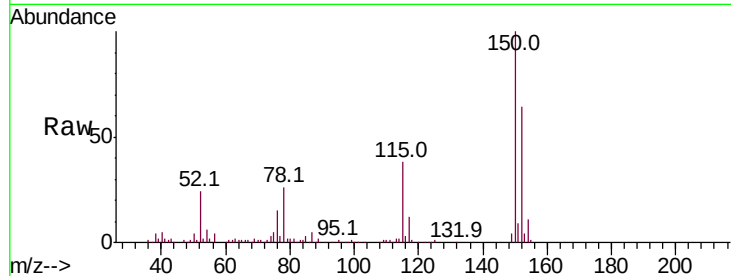


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108391.D
Acq: 22 Aug 2018 18:55

Instrument :
BNA_F
ClientSampleId :

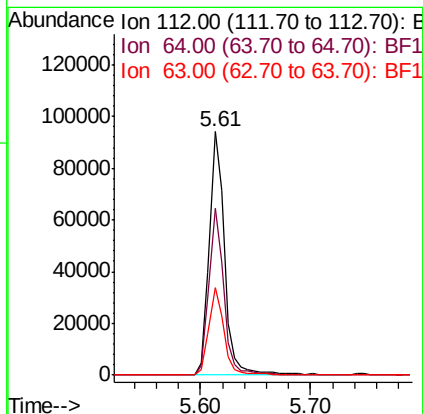
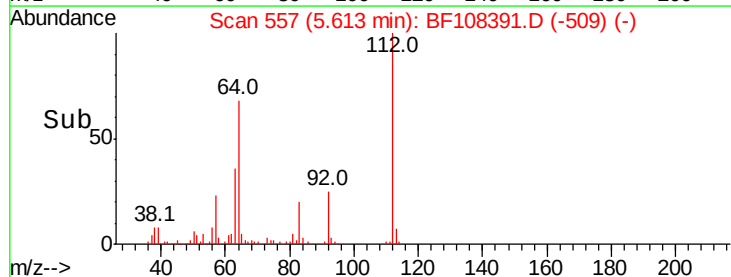
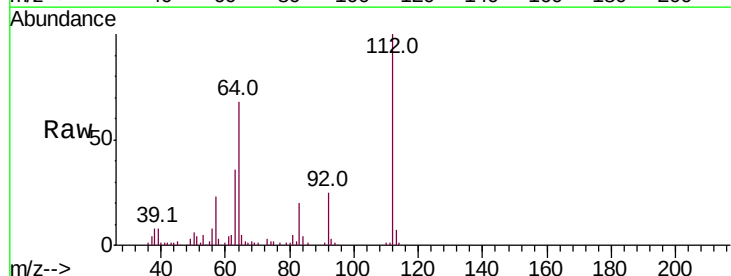
Tot Ion:152 Resp: 171202
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 58.9 50.1 75.1

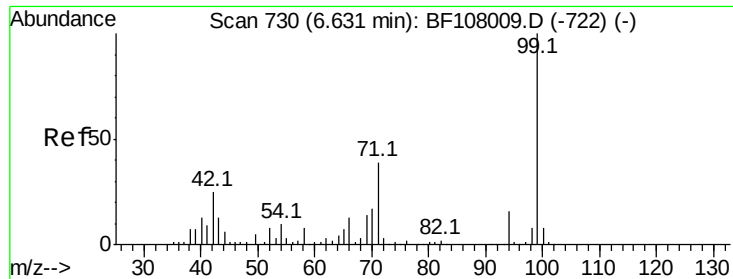


#5

2-Fluorophenol
Concen: 9.375 ng
RT: 5.61 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF108391.D
Acq: 22 Aug 2018 18:55

Tgt Ion:112 Resp: 88656
Ion Ratio Lower Upper
112 100
64 68.3 47.9 71.9
63 35.9 23.7 35.5#





#7

Phenol-d6

Concen: 10.079 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF108391.D

Acq: 22 Aug 2018 18:55

Instrument :

BNA_F

ClientSampleId :

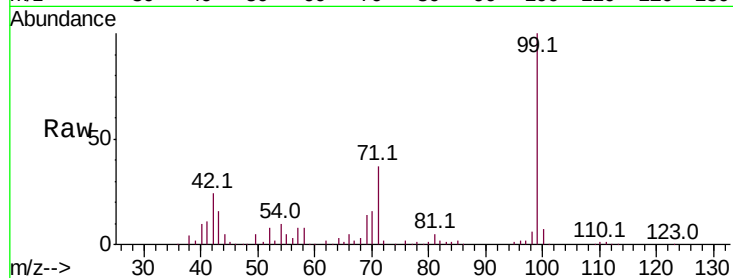
Tot Ion: 99 Resp: 126652

Ion Ratio Lower Upper

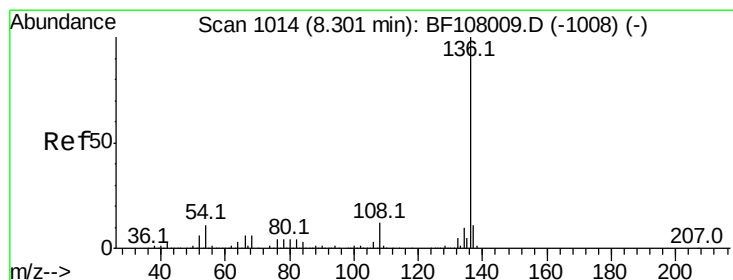
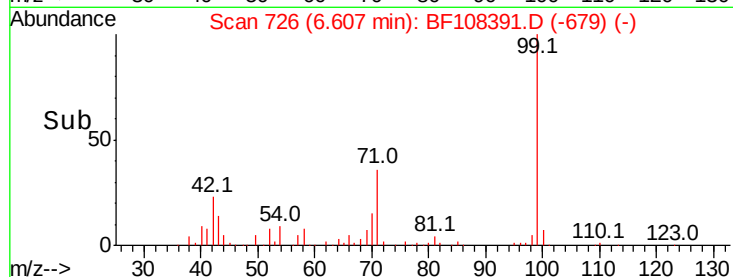
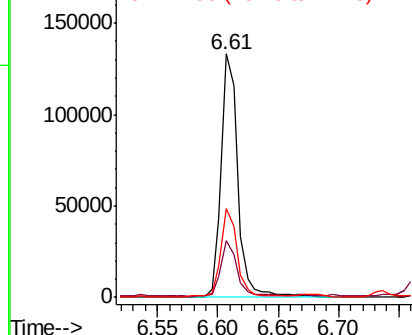
99 100

42 23.6 14.5 21.7#

71 36.6 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108391.D

Acq: 22 Aug 2018 18:55

Tgt Ion: 136 Resp: 626493

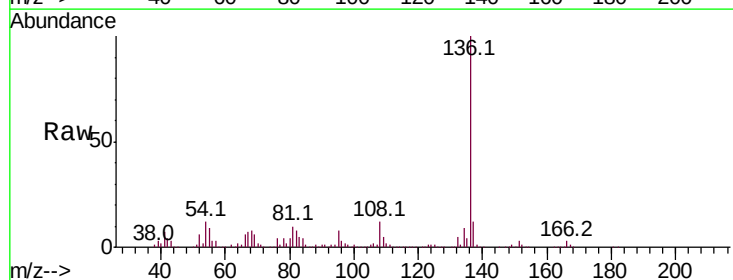
Ion Ratio Lower Upper

136 100

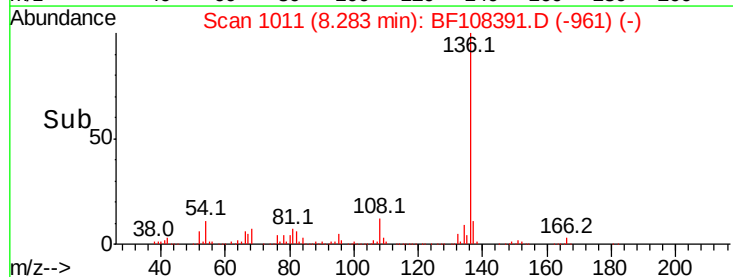
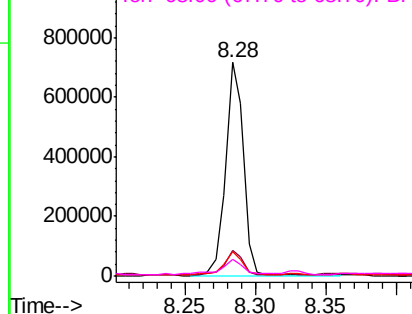
137 11.9 8.9 13.3

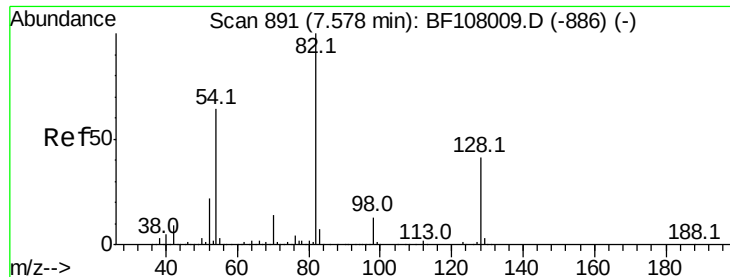
54 11.5 6.6 9.8#

68 7.8 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

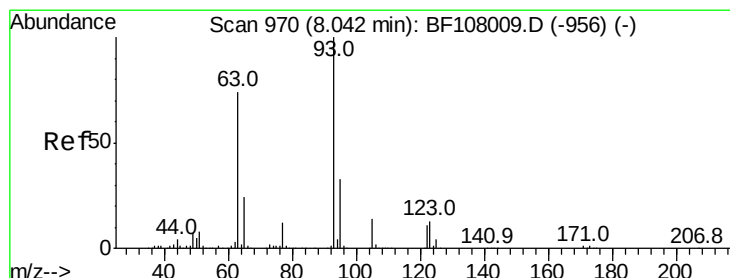
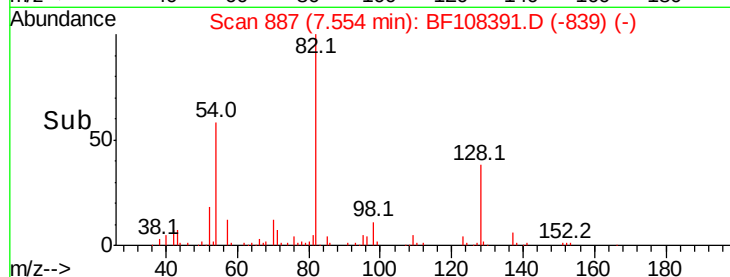
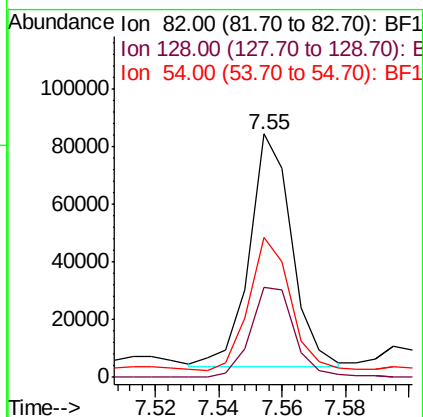
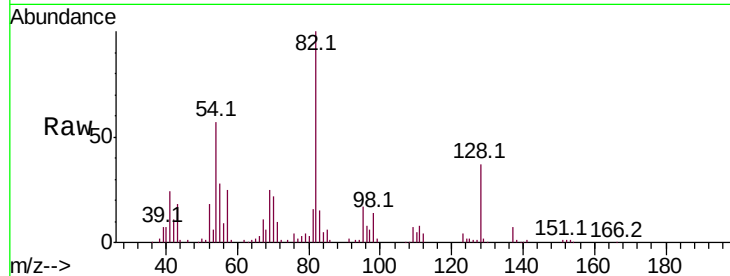




#23
 Nitrobenzene-d5
 Concen: 6.692 ng
 RT: 7.55 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF108391.D
 Acq: 22 Aug 2018 18:55

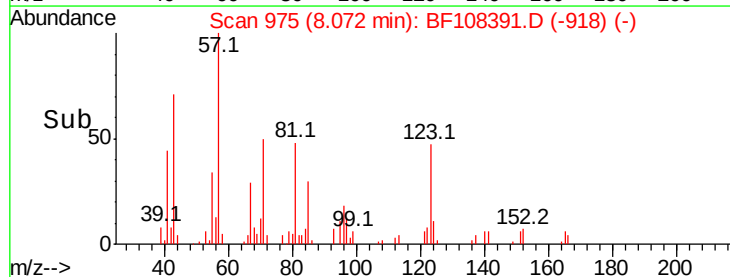
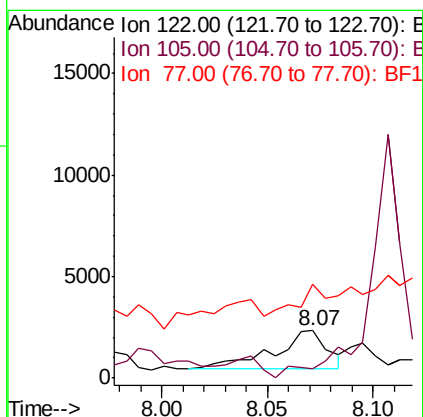
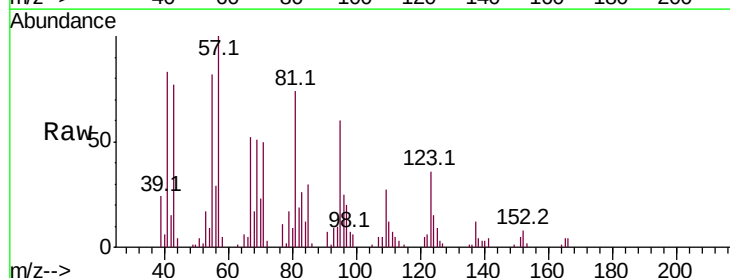
Instrument :
 BNA_F
 ClientSampleId :

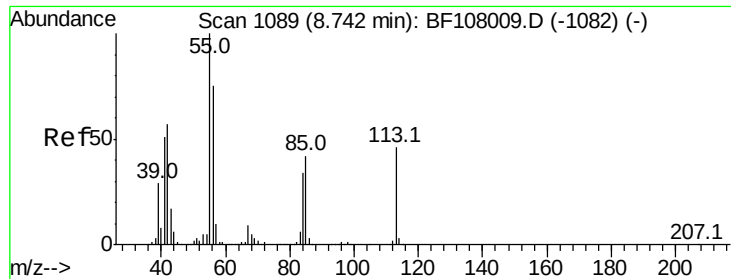
Tot Ion: 82 Resp: 75131
 Ion Ratio Lower Upper
 82 100
 128 36.8 36.1 54.1
 54 57.3 41.4 62.2



#32
 Benzoic acid
 Concen: 6.514 ng
 RT: 8.07 min Scan# 975
 Delta R.T. 0.04 min
 Lab File: BF108391.D
 Acq: 22 Aug 2018 18:55

Tgt Ion:122 Resp: 3394
 Ion Ratio Lower Upper
 122 100
 105 20.8 101.1 141.1#
 77 196.4 70.7 110.7#





#35

Caprolactam

Concen: 2.261 ng

RT: 8.72 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BF108391.D

Acq: 22 Aug 2018 18:55

Instrument :

BNA_F

ClientSampled :

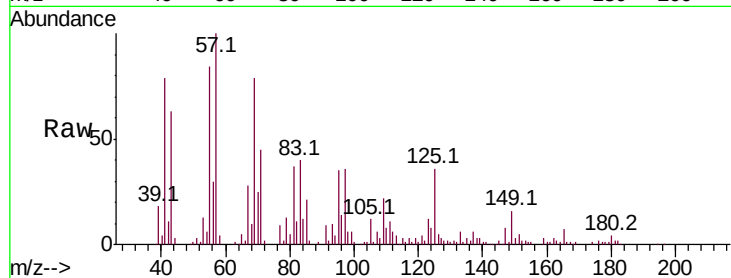
Tot Ion:113 Resp: 6192

Ion Ratio Lower Upper

113 100

55 1935.4 163.3 203.3#

56 690.0 115.7 155.7#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

150000

100000

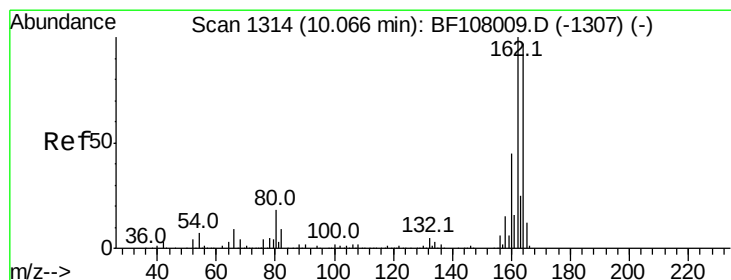
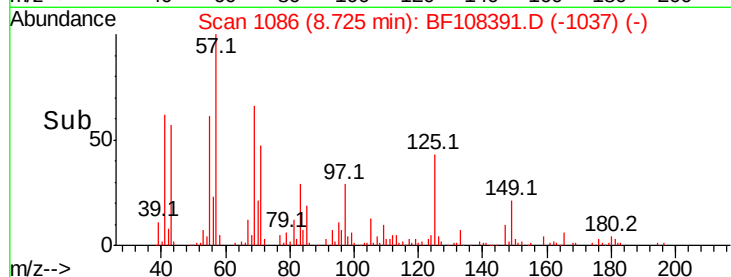
50000

0

8.70 8.75

8.72

Time-->



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.05 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF108391.D

Acq: 22 Aug 2018 18:55

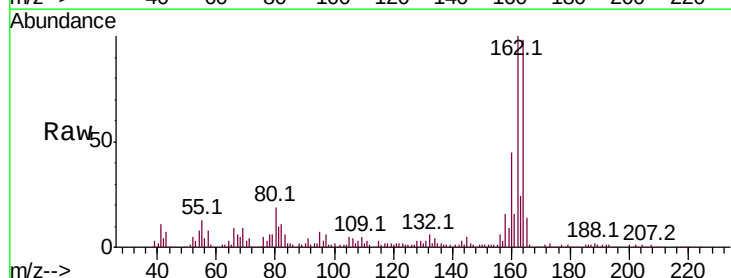
Tgt Ion:164 Resp: 301815

Ion Ratio Lower Upper

164 100

162 102.4 86.1 129.1

160 46.4 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

500000

400000

300000

200000

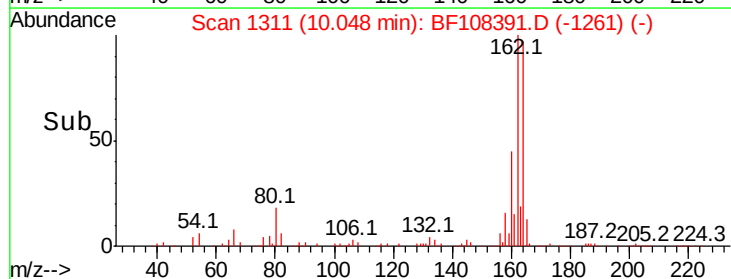
100000

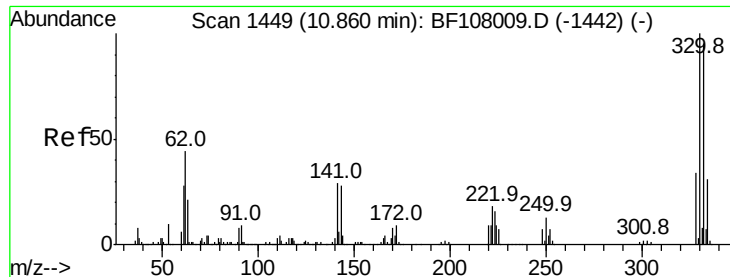
0

10.00 10.05 10.10

10.05

Time-->

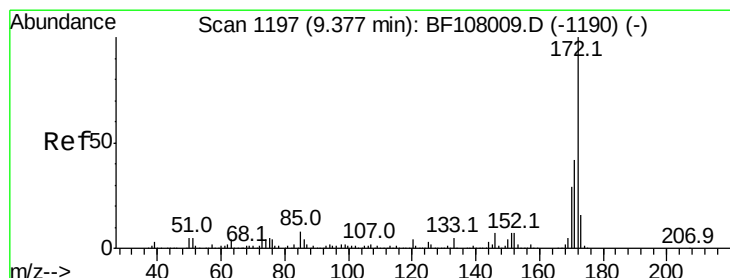
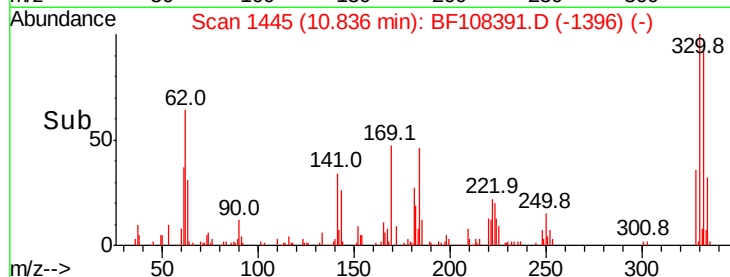
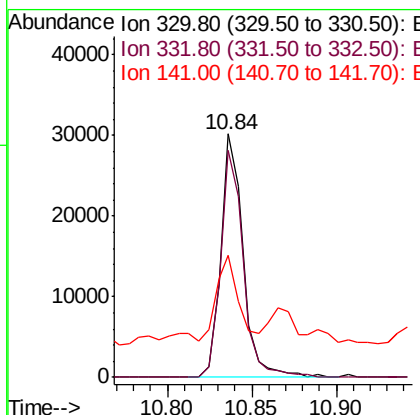
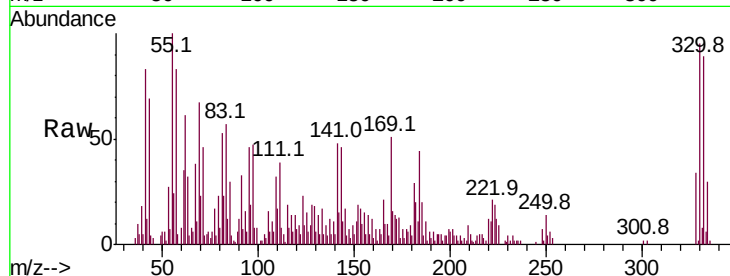




#41
 2,4,6-Tribromophenol
 Concen: 9.216 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108391.D
 Acq: 22 Aug 2018 18:55

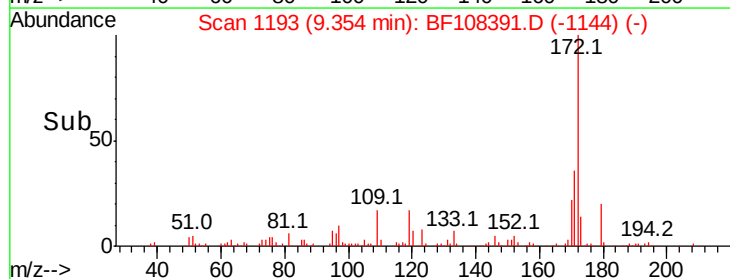
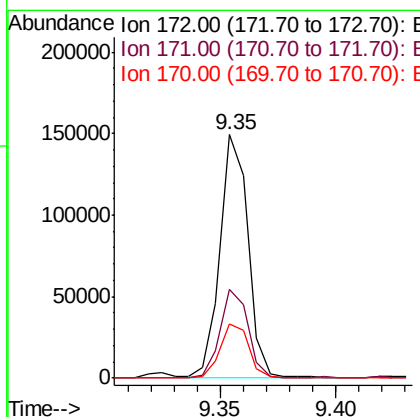
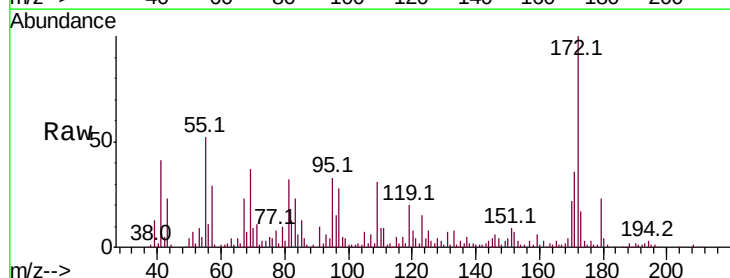
Instrument :
 BNA_F
 ClientSampleId :

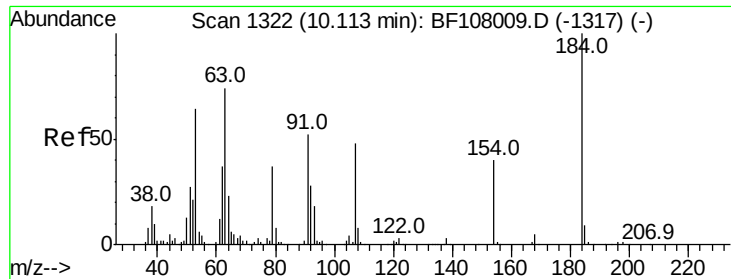
Tot Ion:330 Resp: 27746
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 34.0 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 6.629 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108391.D
 Acq: 22 Aug 2018 18:55

Tgt Ion:172 Resp: 124623
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 22.1 19.6 29.4

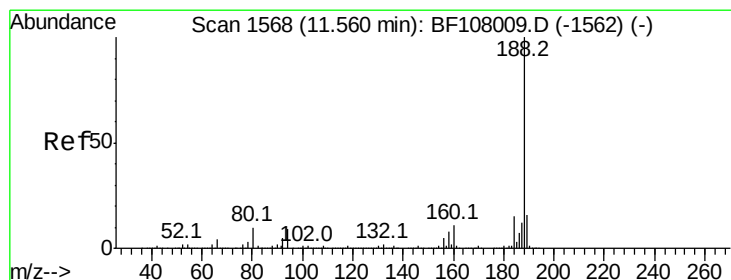
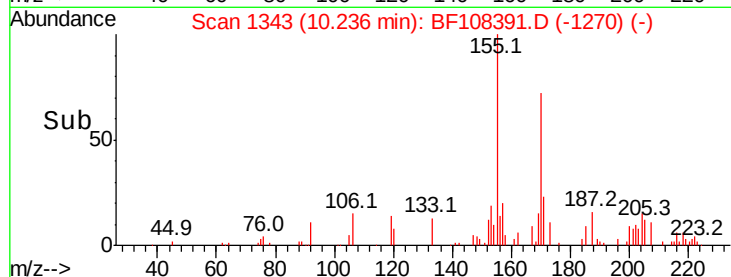
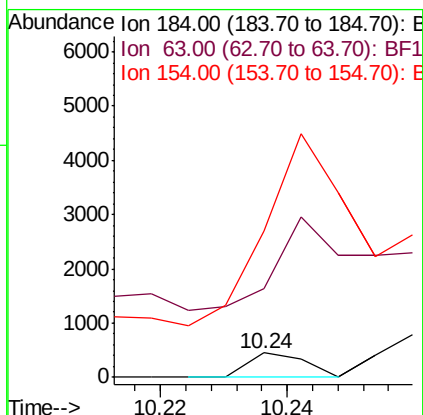
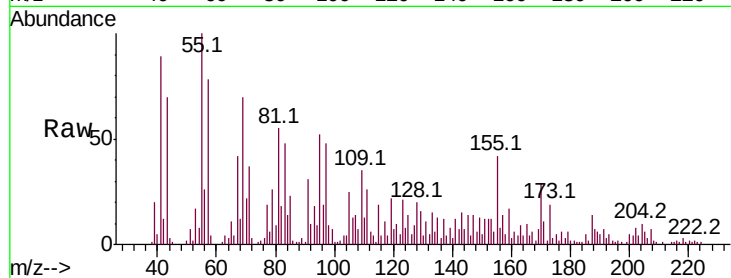




#53
 2,4-Dinitrophenol
 Concen: 7.177 ng
 RT: 10.24 min Scan# 1343
 Delta R.T. 0.13 min
 Lab File: BF108391.D
 Acq: 22 Aug 2018 18:55

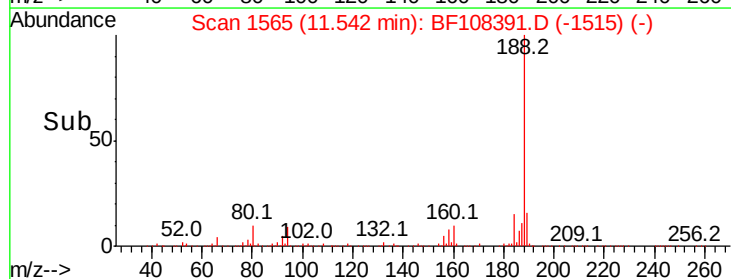
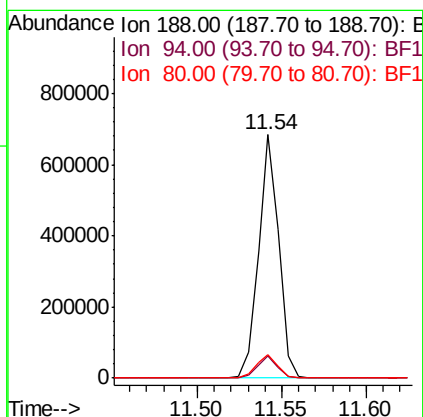
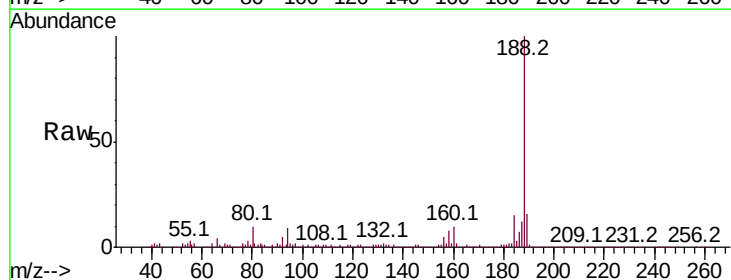
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 ClientSampleId :

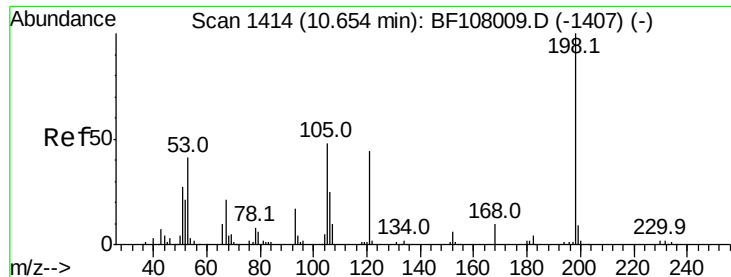
Tot Ion:184 Resp: 282
 Ion Ratio Lower Upper
 184 100
 63 362.3 54.2 81.2#
 154 592.7 184.0 276.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108391.D
 Acq: 22 Aug 2018 18:55

Tgt Ion:188 Resp: 568202
 Ion Ratio Lower Upper
 188 100
 94 9.1 8.5 12.7
 80 9.9 9.2 13.8

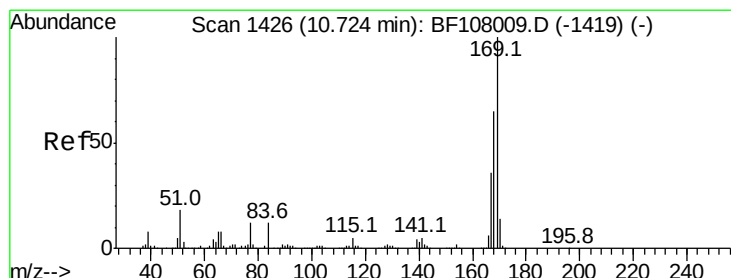
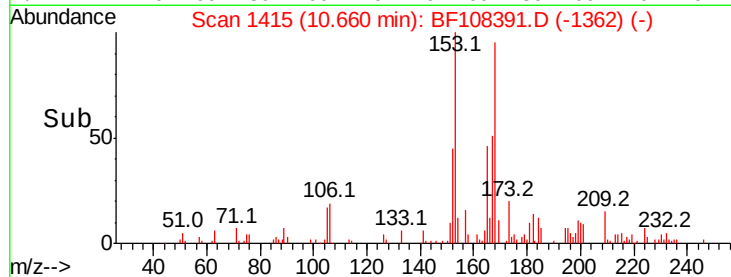
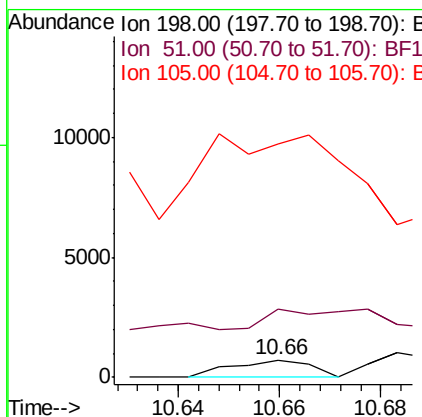
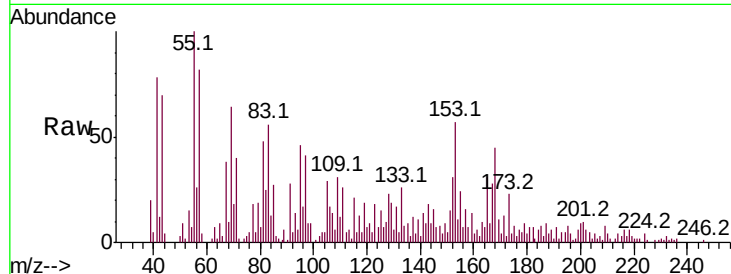




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.678 ng
 RT: 10.66 min Scan# 1415
 Delta R.T. 0.01 min
 Lab File: BF108391.D
 Acq: 22 Aug 2018 18:55

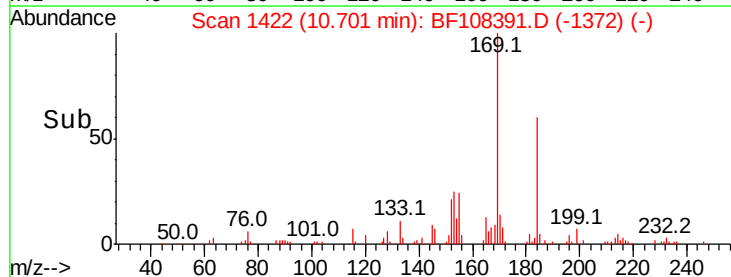
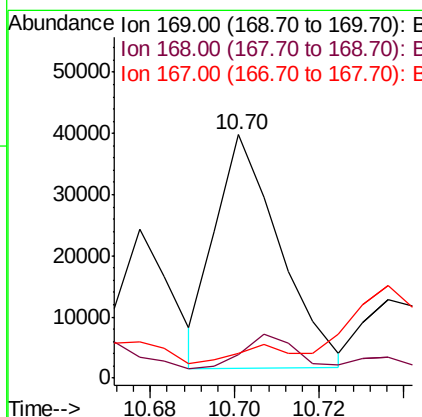
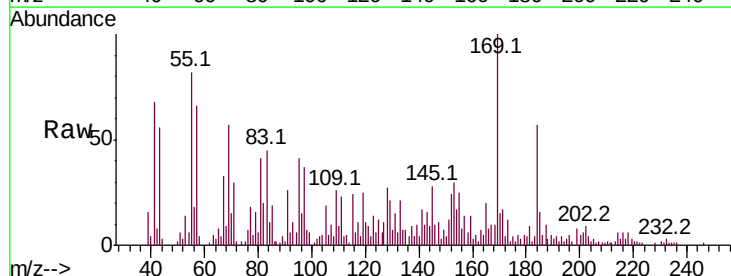
Instrument :
 BNA_F
 ClientSampled :

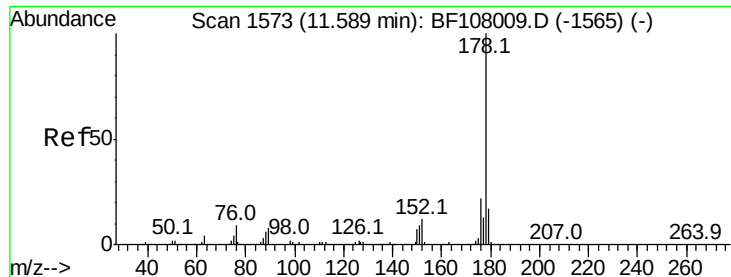
Tot Ion:198 Resp: 766
 Ion Ratio Lower Upper
 198 100
 51 404.1 37.7 77.7#
 105 1367.0 36.3 76.3#



#65
 n-Nitrosodiphenylamine
 Concen: 2.403 ng
 RT: 10.70 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF108391.D
 Acq: 22 Aug 2018 18:55

Tgt Ion:169 Resp: 40355
 Ion Ratio Lower Upper
 169 100
 168 9.8 54.4 81.6#
 167 10.0 29.8 44.6#

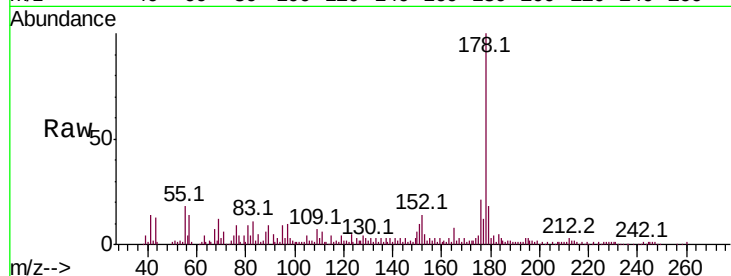




#70
 Phenanthrene
 Concen: 3.191 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF108391.D
 Acq: 22 Aug 2018 18:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.1	15.8	23.8
179	18.1	13.0	19.6

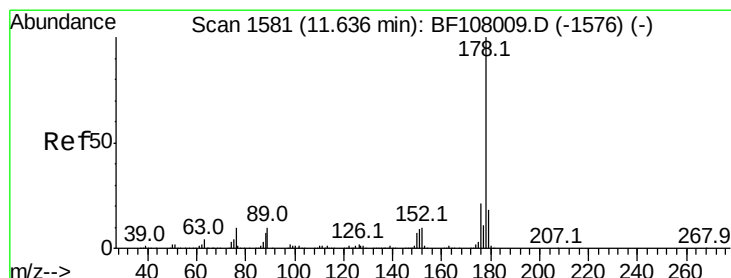
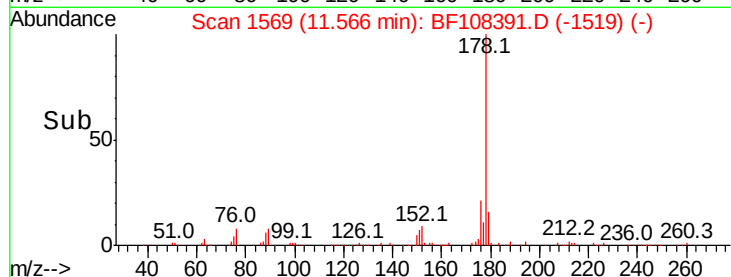
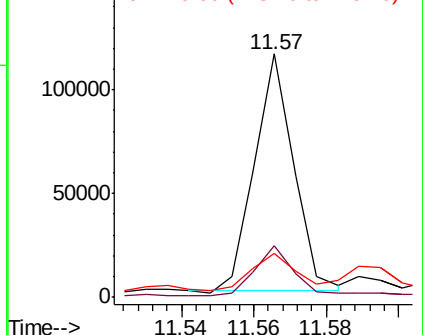


Abundance

Ion 178.00 (177.70 to 178.70): E

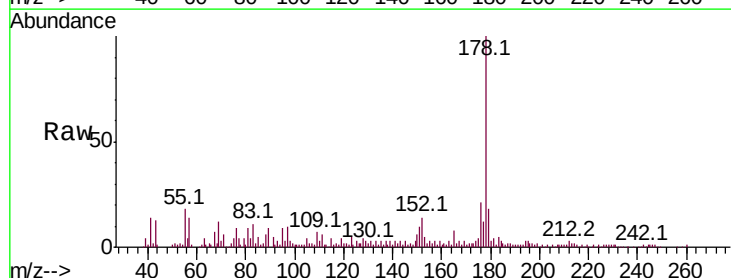
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71
 Anthracene
 Concen: 3.113 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.06 min
 Lab File: BF108391.D
 Acq: 22 Aug 2018 18:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.1	15.4	23.2
179	18.1	12.6	19.0

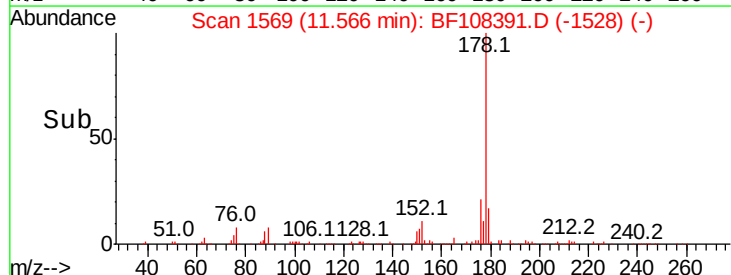
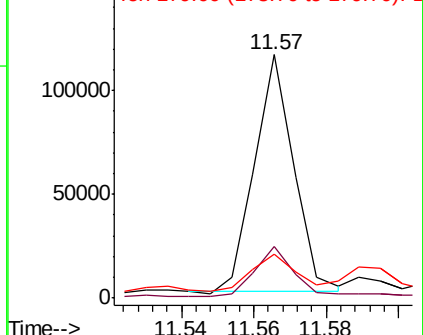


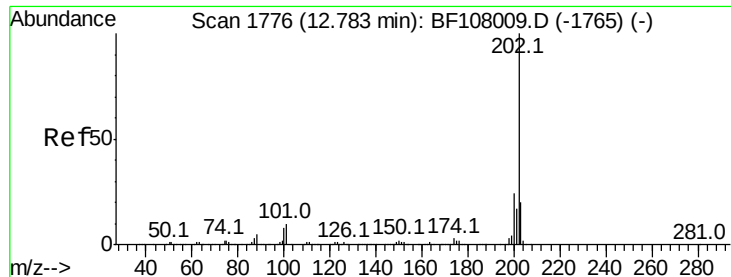
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.890 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108391.D

Acq: 22 Aug 2018 18:55

Instrument :

BNA_F

ClientSampleId :

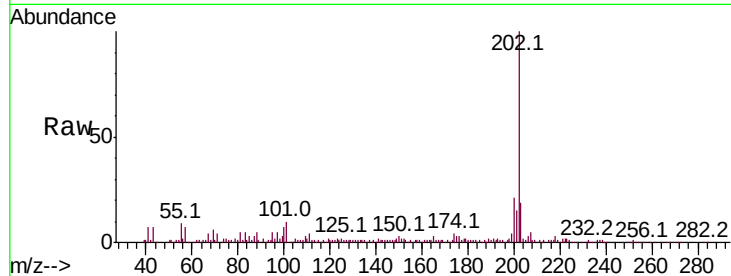
Tot Ion:202 Resp: 113791

Ion Ratio Lower Upper

202 100

101 10.5 0.0 34.1

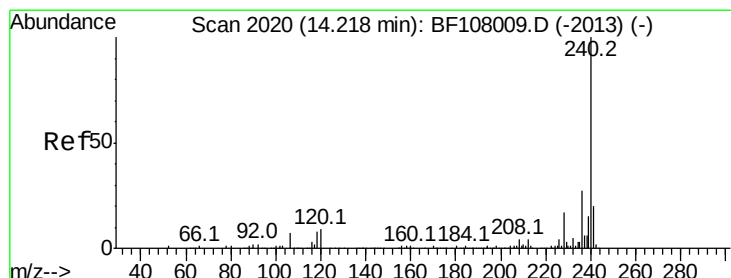
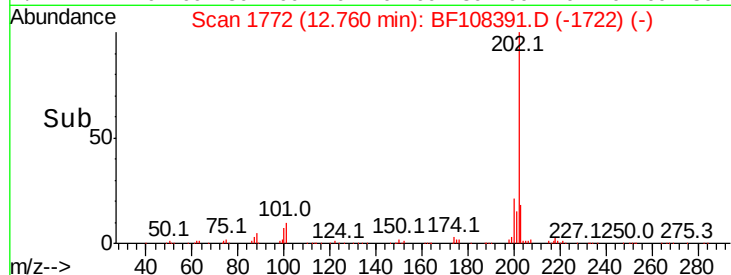
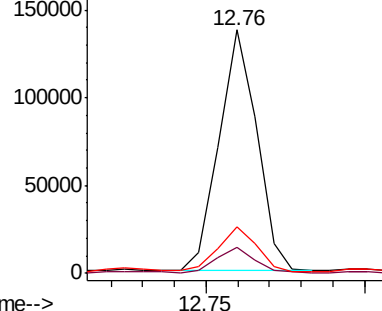
203 18.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108391.D

Acq: 22 Aug 2018 18:55

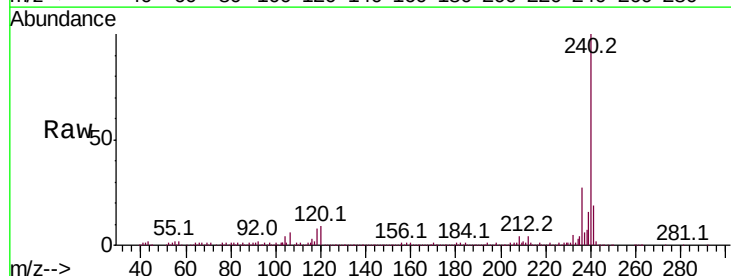
Tgt Ion:240 Resp: 343103

Ion Ratio Lower Upper

240 100

120 8.8 9.5 14.3#

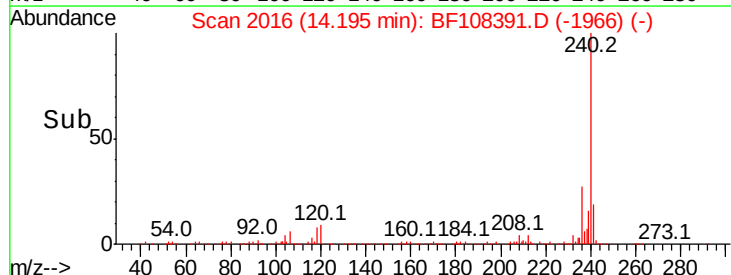
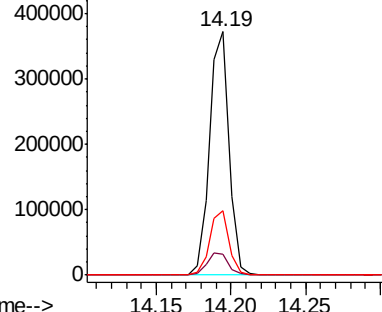
236 26.5 20.7 31.1

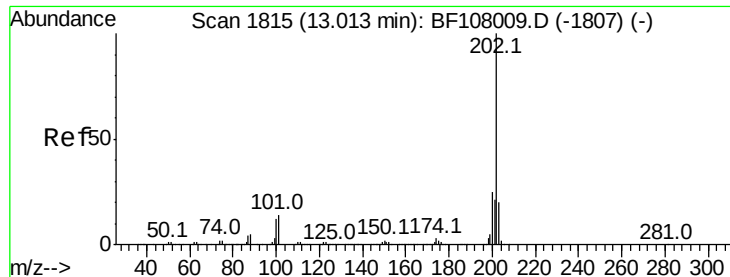


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.411 ng

RT: 12.99 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF108391.D

Acq: 22 Aug 2018 18:55

Instrument :

BNA_F

ClientSampleId :

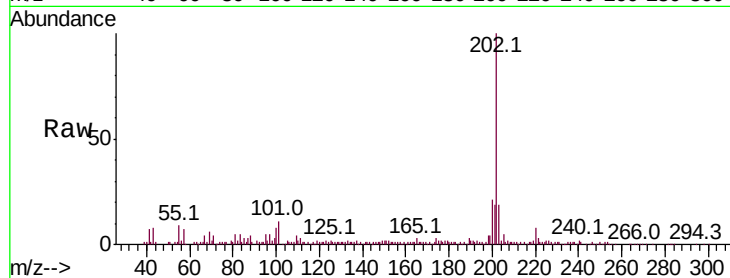
Tot Ion:202 Resp: 117544

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

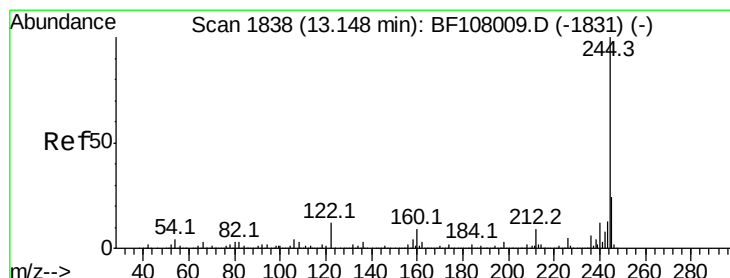
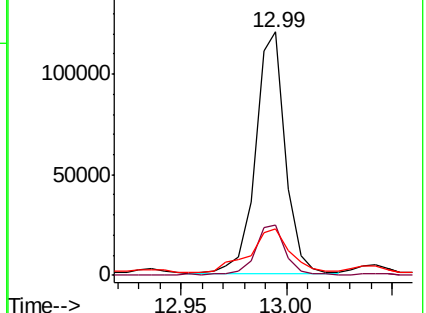
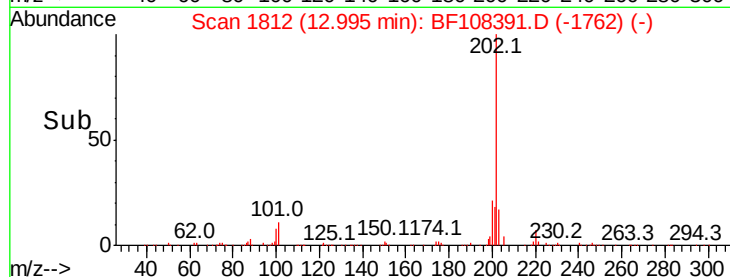
203 18.9 14.3 21.5



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: 8.555 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108391.D

Acq: 22 Aug 2018 18:55

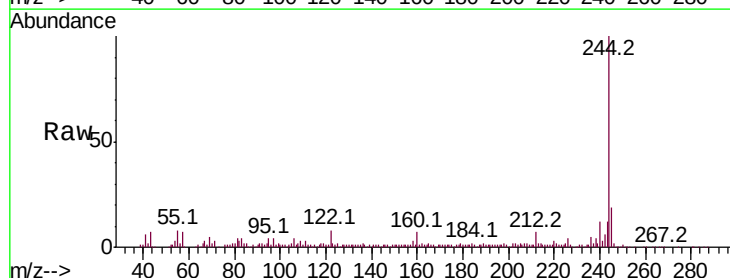
Tgt Ion:244 Resp: 115450

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

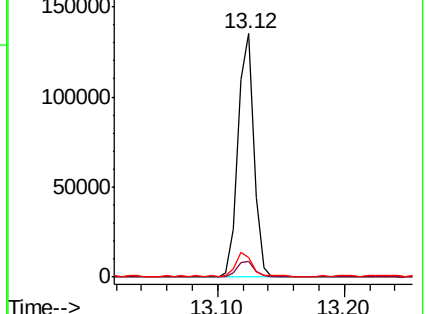
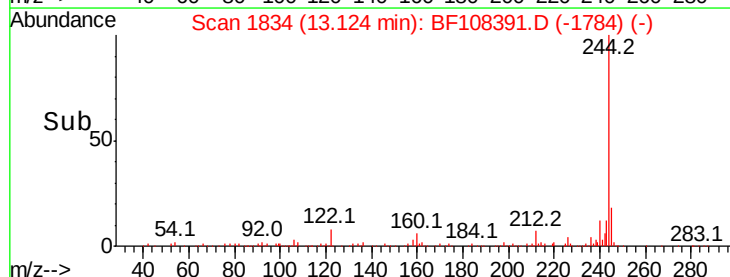
122 8.2 11.0 16.4#

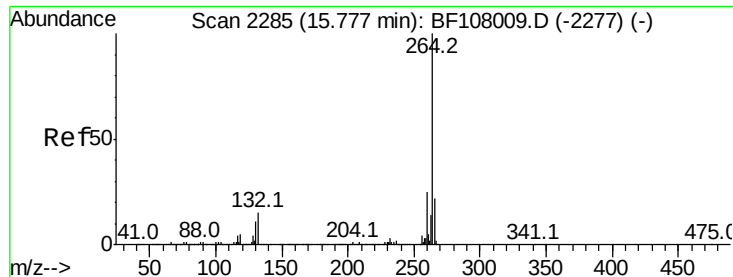


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

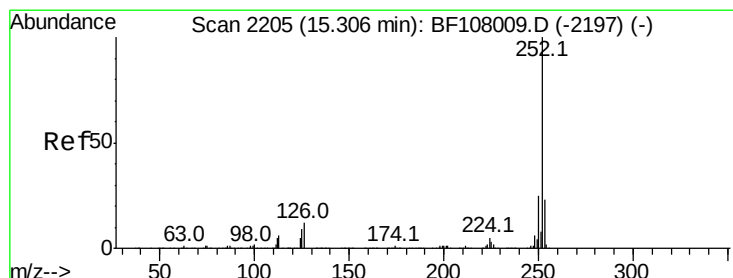
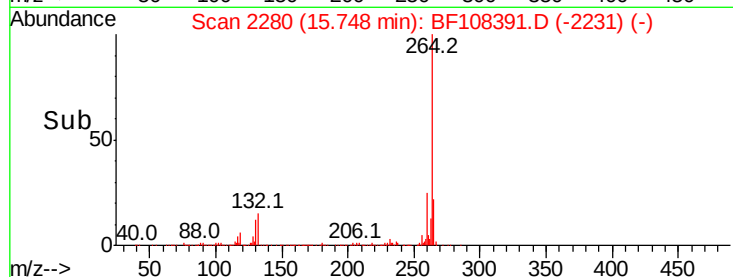
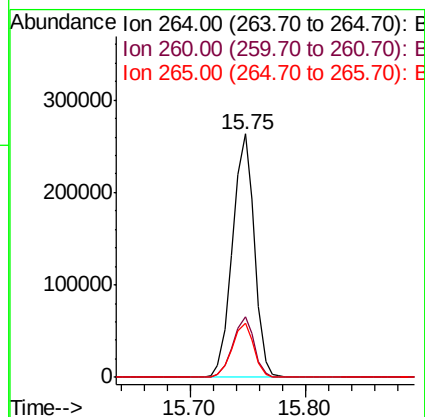
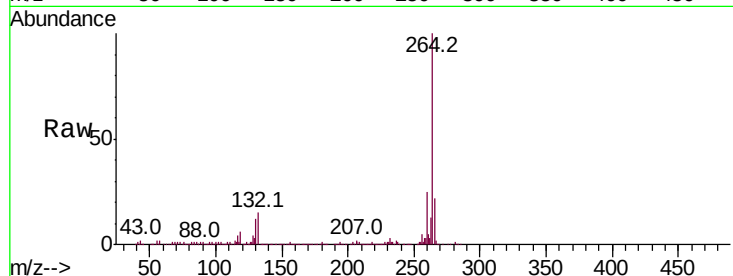




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108391.D
Acq: 22 Aug 2018 18:55

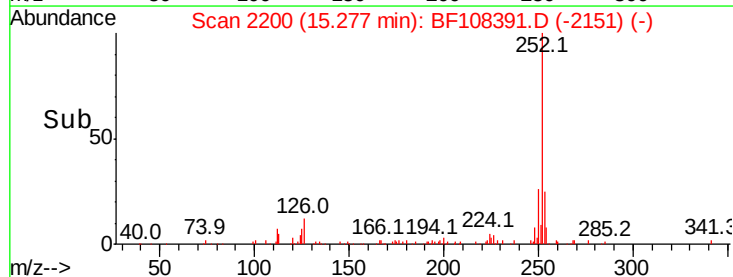
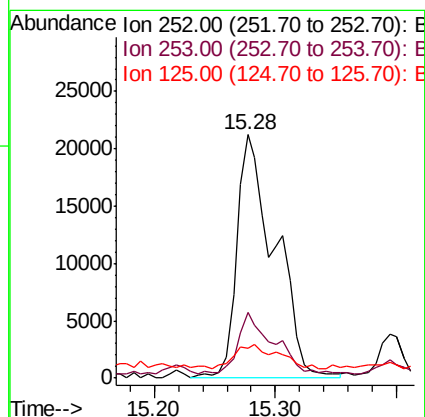
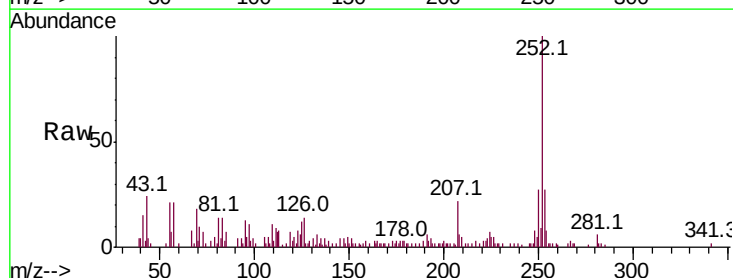
Instrument :
BNA_F
ClientSampleId :

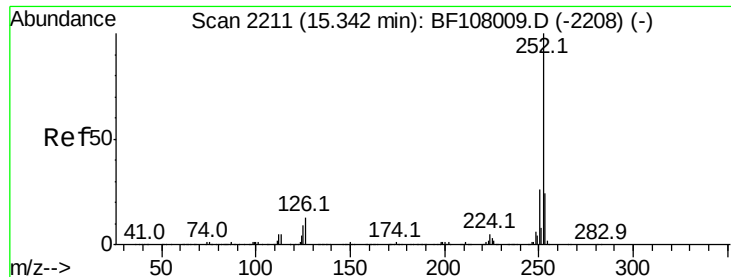
Tot Ion:264 Resp: 345809
Ion Ratio Lower Upper
264 100
260 25.0 19.2 28.8
265 22.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.255 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108391.D
Acq: 22 Aug 2018 18:55

Tgt Ion:252 Resp: 46590
Ion Ratio Lower Upper
252 100
253 27.1 17.0 25.6#
125 12.2 9.0 13.6

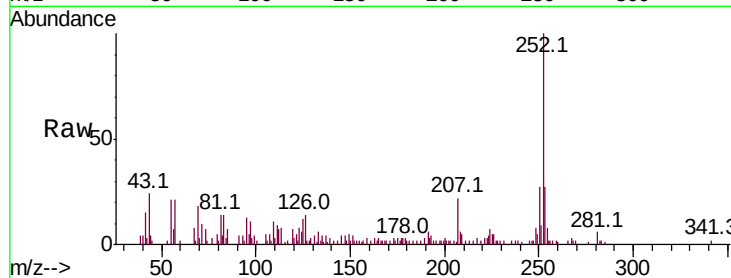




#88
 Benzo(k)fluoranthene
 Concen: 2.453 ng
 RT: 15.28 min Scan# 2200
 Delta R.T. -0.05 min
 Lab File: BF108391.D
 Acq: 22 Aug 2018 18:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.9	26.9#
125	12.2	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

