

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\
 Data File : BF108701.D
 Acq On : 31 Aug 2018 20:44
 Operator : JU/SJ
 Sample : J4270-05 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 01 03:48:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

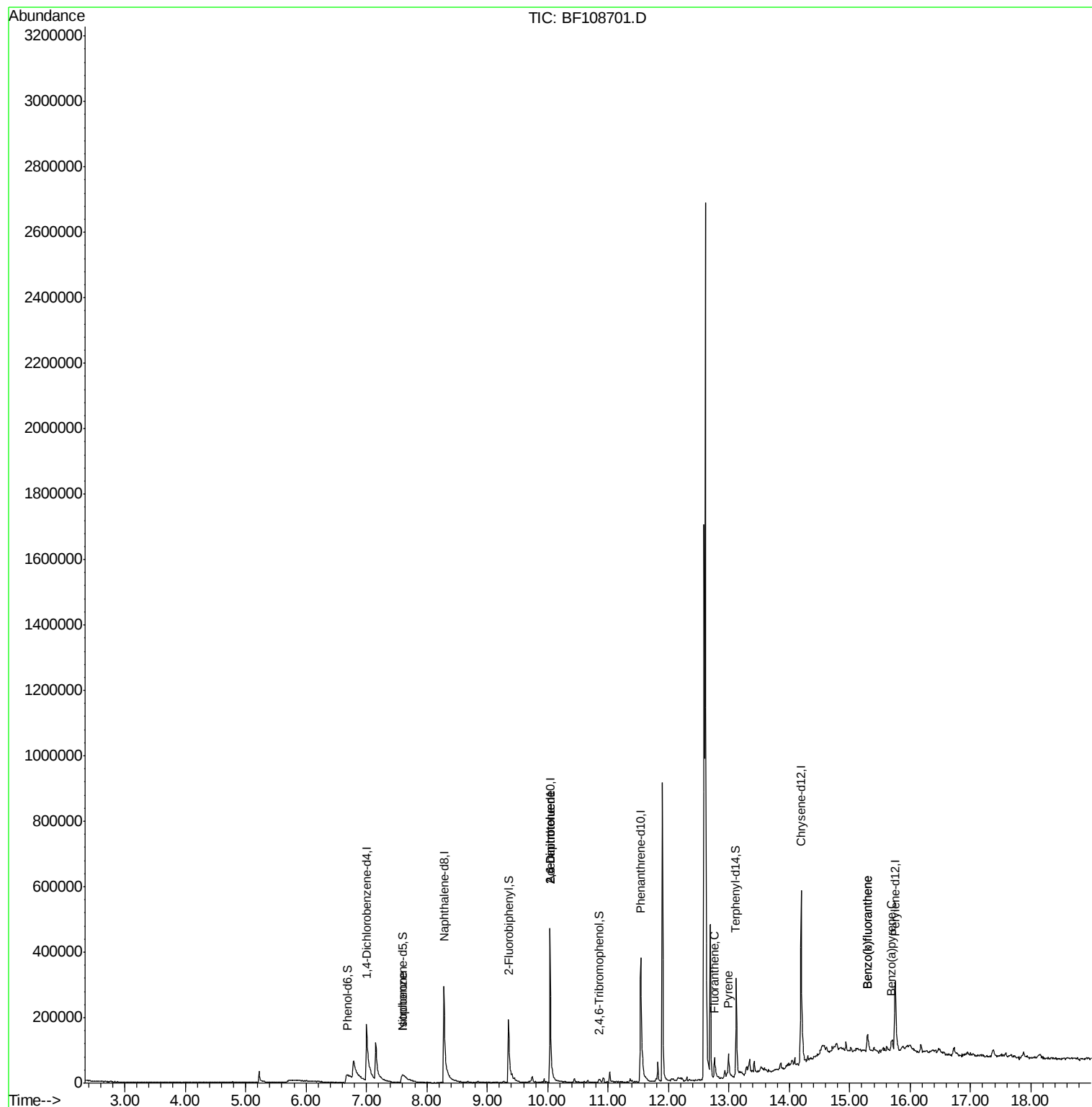
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	66679	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	315491	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	134977	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	250136	20.00	ng	0.00
75) Chrysene-d12	14.19	240	222832	20.00	ng	0.00
86) Perylene-d12	15.75	264	148740	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	611	0.16	ng	0.10
7) Phenol-d6	6.67	99	72863	13.25	ng	0.02
23) Nitrobenzene-d5	7.61	82	53396	8.59	ng	0.04
41) 2,4,6-Tribromophenol	10.85	330	4171	2.34	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	139561	13.90	ng	0.00
78) Terphenyl-d14	13.12	244	143479	12.51	ng	-0.01
Target Compounds						
25) Isophorone	7.61	82	53396	5.171	ng	# 64
50) 2,6-Dinitrotoluene	10.04	165	16633	7.099	ng	# 25
56) 2,4-Dinitrotoluene	10.04	165	17166	5.534	ng	# 23
74) Fluoranthene	12.76	202	43233	3.042	ng	94
77) Pyrene	12.99	202	41556	2.481	ng	98
87) Benzo(b)fluoranthene	15.29	252	33259	3.640	ng	# 91
88) Benzo(k)fluoranthene	15.29	252	33259	3.675	ng	# 94
89) Benzo(a)pyrene	15.69	252	17248	2.089	ng	# 86

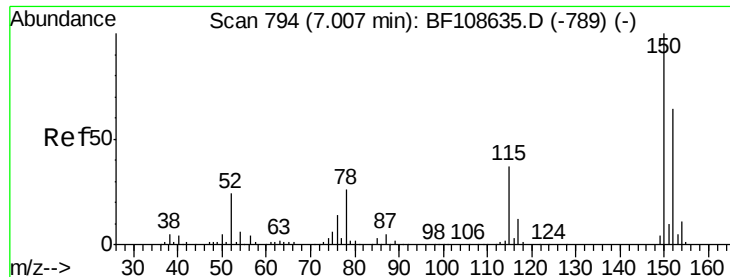
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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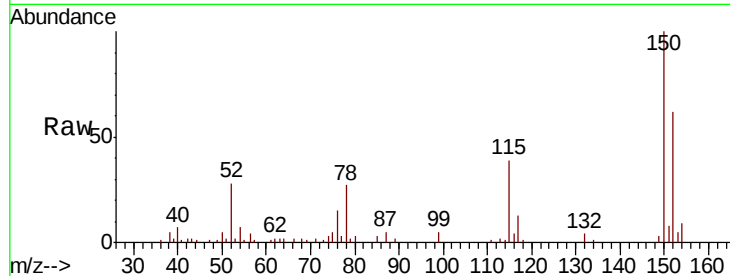


#1

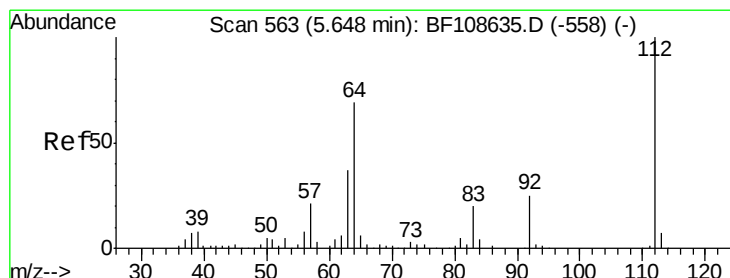
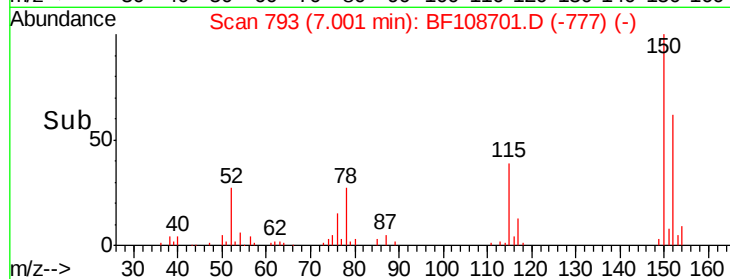
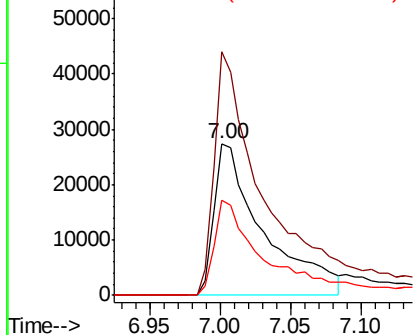
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108701.D
Acq: 31 Aug 2018 20:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 66679
Ion Ratio Lower Upper
152 100
150 160.2 124.6 186.8
115 62.5 50.1 75.1



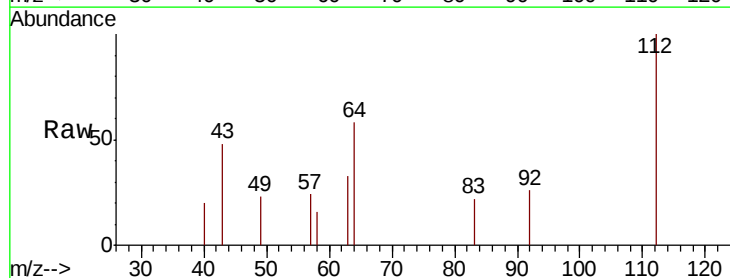
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



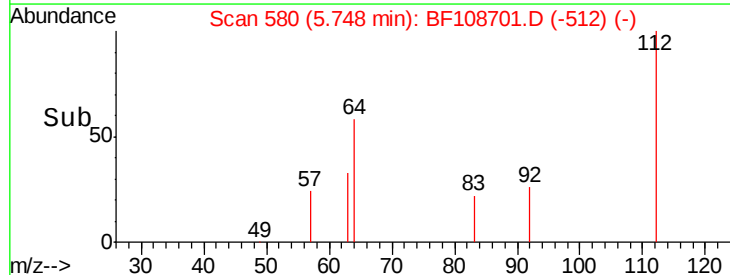
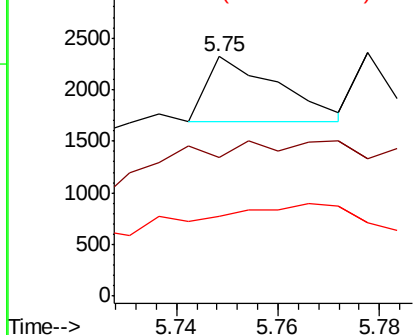
#5

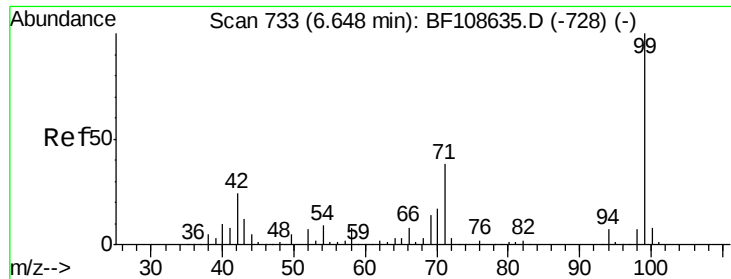
2-Fluorophenol
Concen: 0.159 ng
RT: 5.75 min Scan# 580
Delta R.T. 0.10 min
Lab File: BF108701.D
Acq: 31 Aug 2018 20:44

Tgt Ion:112 Resp: 611
Ion Ratio Lower Upper
112 100
64 57.7 47.9 71.9
63 33.2 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: 13.254 ng

RT: 6.67 min Scan# 737

Delta R.T. 0.02 min

Lab File: BF108701.D

Acq: 31 Aug 2018 20:44

Instrument :

BNA_F

ClientSampled :

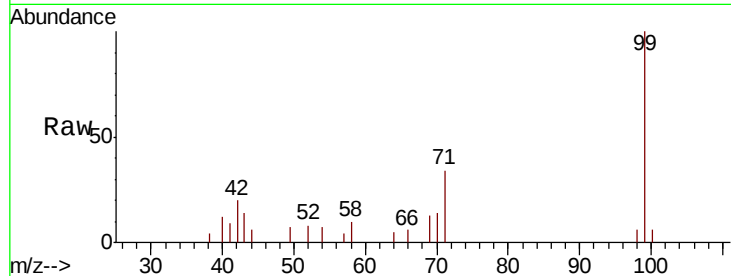
Tot Ion: 99 Resp: 72863

Ion Ratio Lower Upper

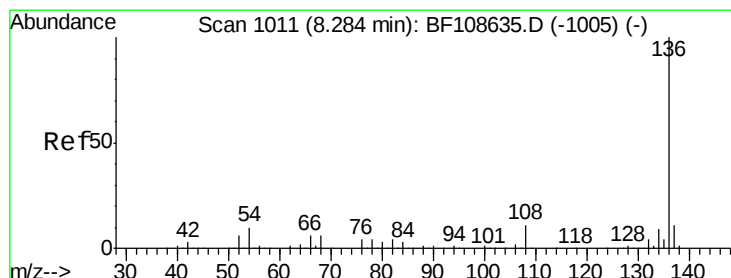
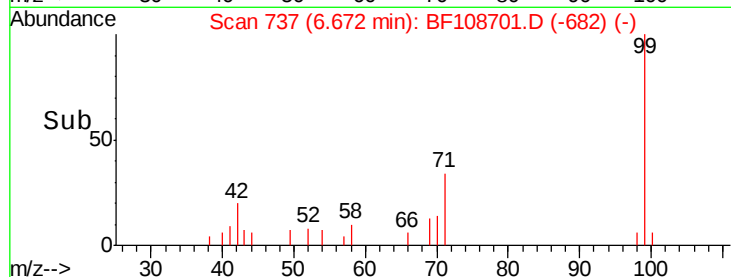
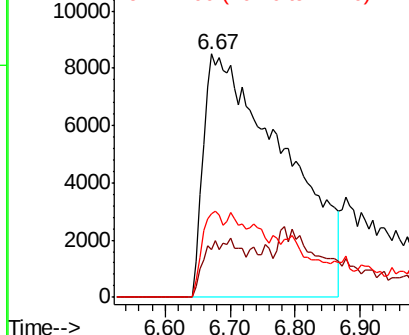
99 100

42 19.5 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BF108701.D

Acq: 31 Aug 2018 20:44

Tgt Ion: 136 Resp: 315491

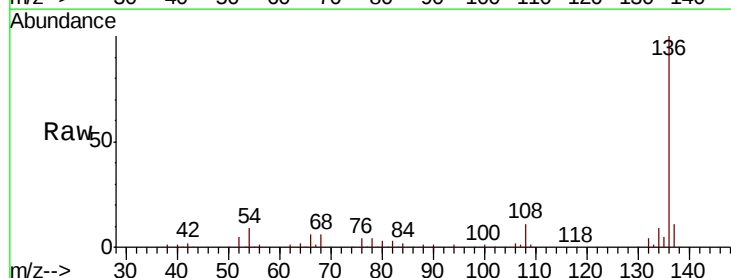
Ion Ratio Lower Upper

136 100

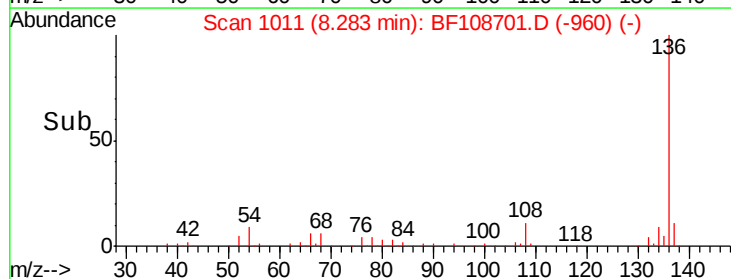
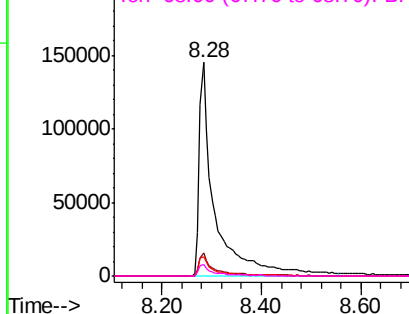
137 10.9 8.9 13.3

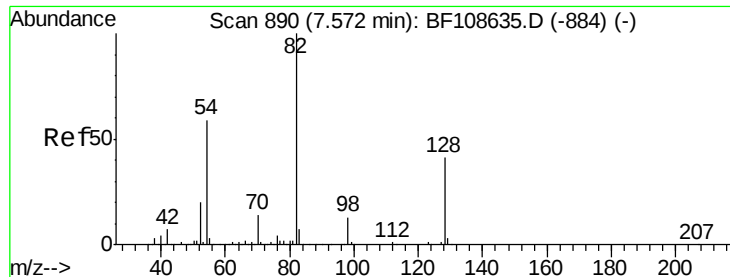
54 8.9 6.6 9.8

68 5.6 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

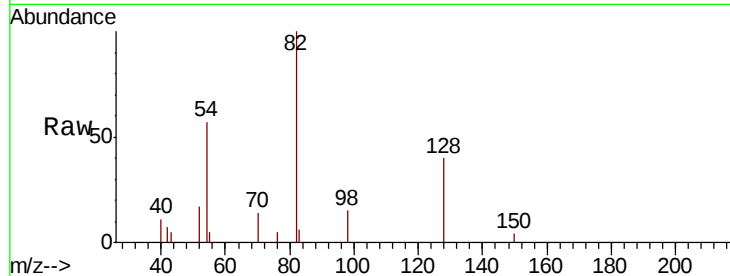




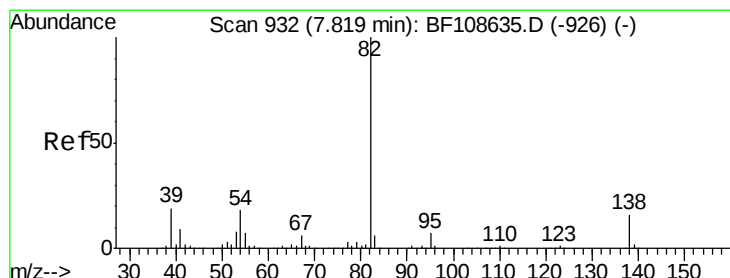
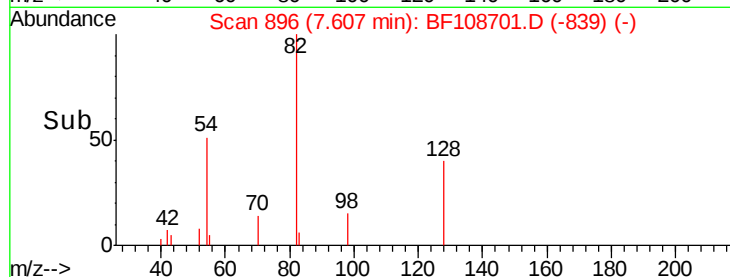
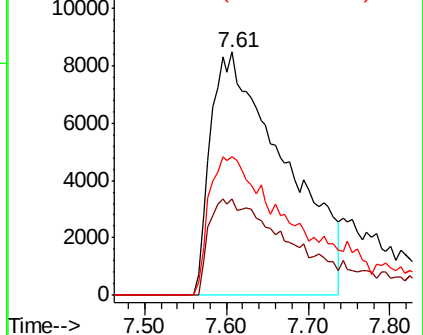
#23
Nitrobenzene-d5
Concen: 8.591 ng
RT: 7.61 min Scan# 896
Delta R.T. 0.04 min
Lab File: BF108701.D
Acq: 31 Aug 2018 20:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.5	36.1	54.1
54	56.7	41.4	62.2

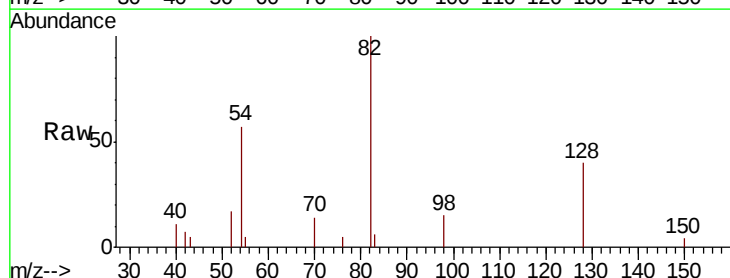


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

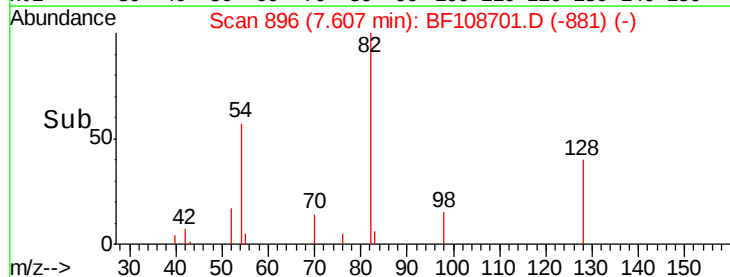
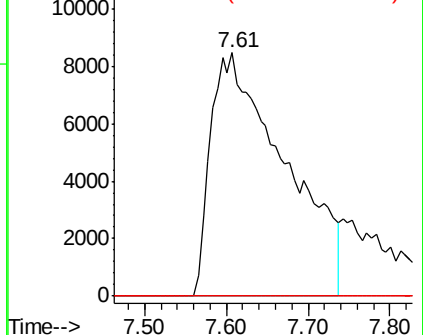


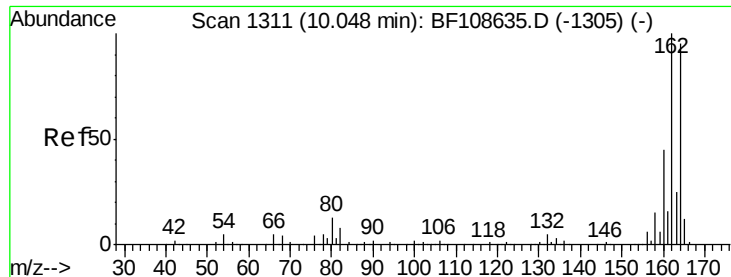
#25
Isophorone
Concen: 5.171 ng
RT: 7.61 min Scan# 896
Delta R.T. -0.21 min
Lab File: BF108701.D
Acq: 31 Aug 2018 20:44

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108701.D

Acq: 31 Aug 2018 20:44

Instrument :

BNA_F

ClientSampled :

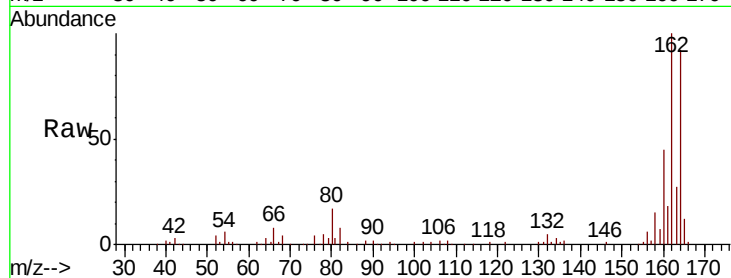
Tot Ion:164 Resp: 134977

Ion Ratio Lower Upper

164 100

162 108.7 86.1 129.1

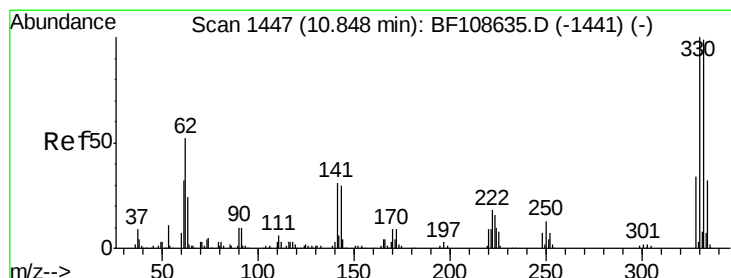
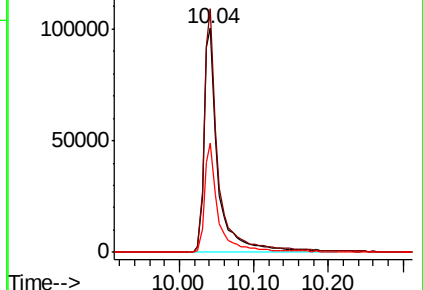
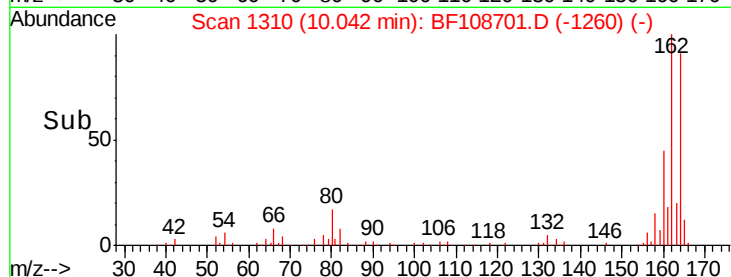
160 48.8 38.3 57.5



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: 2.341 ng

RT: 10.85 min Scan# 1447

Delta R.T. -0.00 min

Lab File: BF108701.D

Acq: 31 Aug 2018 20:44

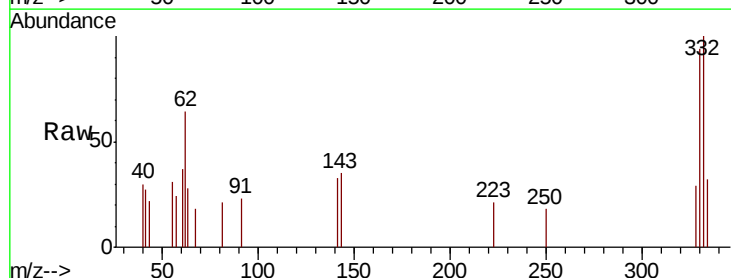
Tgt Ion:330 Resp: 4171

Ion Ratio Lower Upper

330 100

332 103.2 77.0 115.6

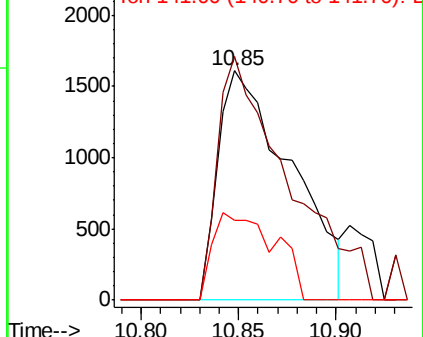
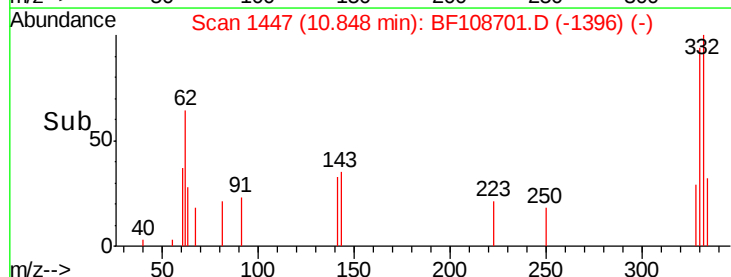
141 32.2 29.9 44.9

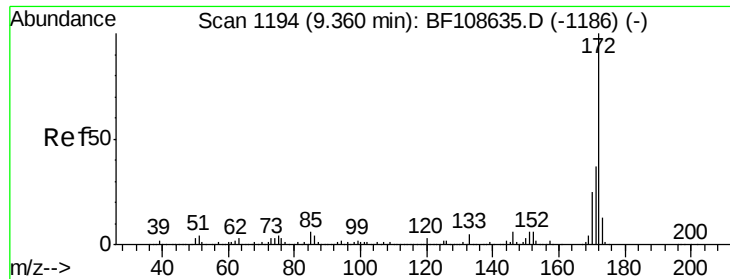


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 13.902 ng

RT: 9.35 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF108701.D

Acq: 31 Aug 2018 20:44

Instrument :

BNA_F

ClientSampleId :

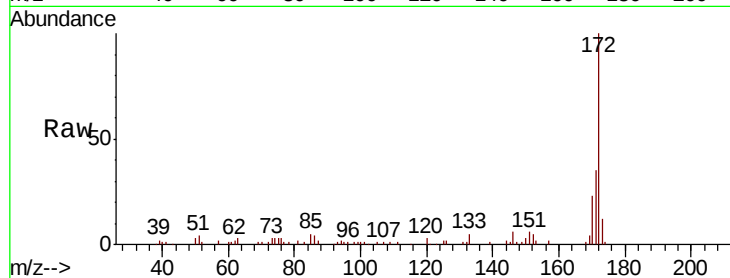
Tot Ion:172 Resp: 139561

Ion Ratio Lower Upper

172 100

171 35.4 29.7 44.5

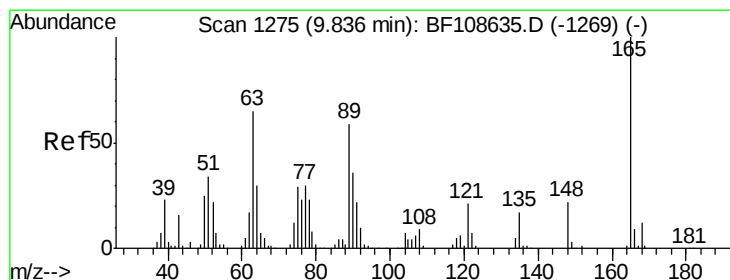
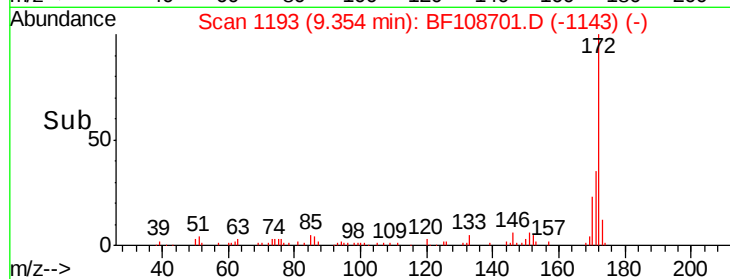
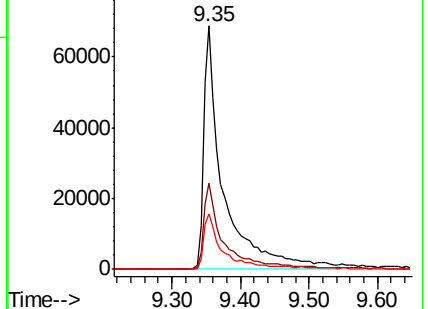
170 22.7 19.6 29.4



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



#50

2,6-Dinitrotoluene

Concen: 7.099 ng

RT: 10.04 min Scan# 1310

Delta R.T. 0.21 min

Lab File: BF108701.D

Acq: 31 Aug 2018 20:44

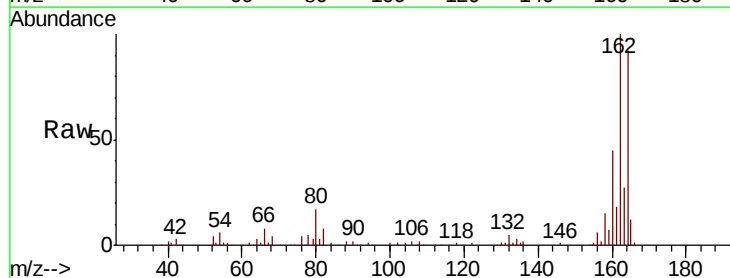
Tgt Ion:165 Resp: 16633

Ion Ratio Lower Upper

165 100

63 2.4 44.7 67.1#

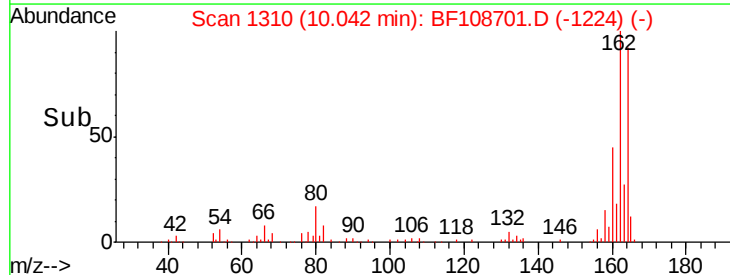
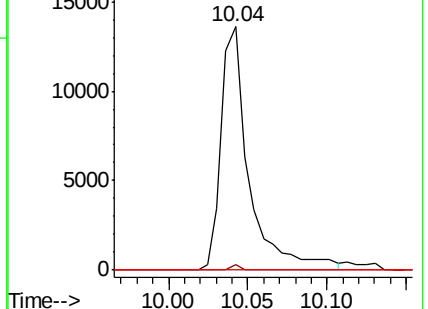
89 0.0 44.0 66.0#

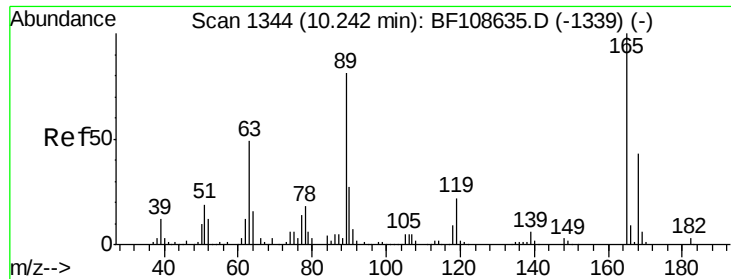


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

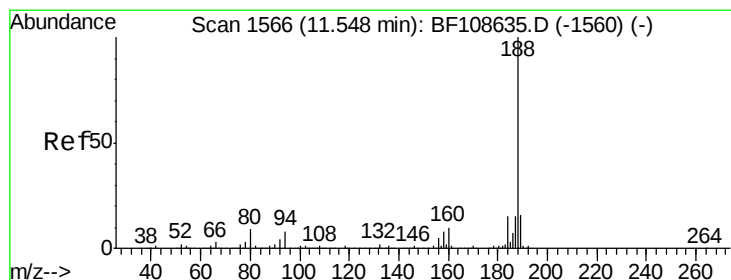
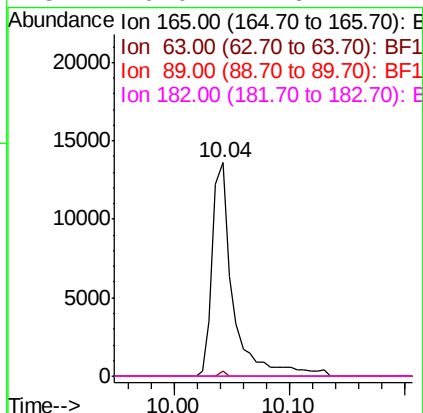
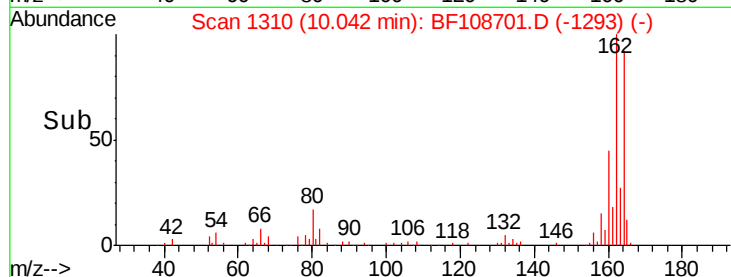
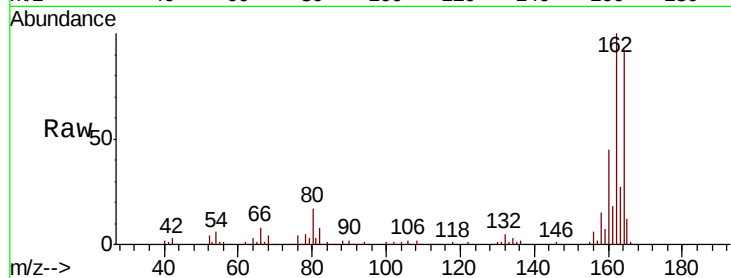




#56
2,4-Dinitrotoluene
Concen: 5.534 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.20 min
Lab File: BF108701.D
Acq: 31 Aug 2018 20:44

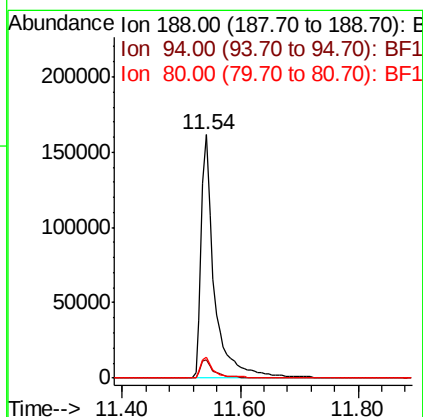
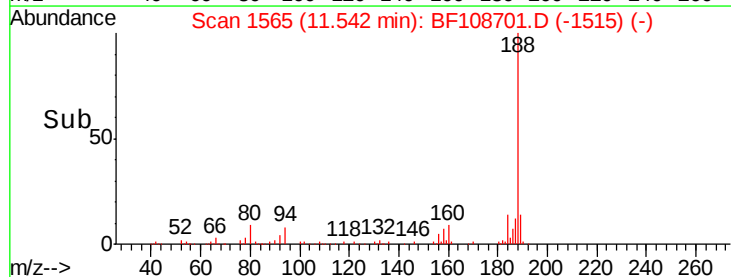
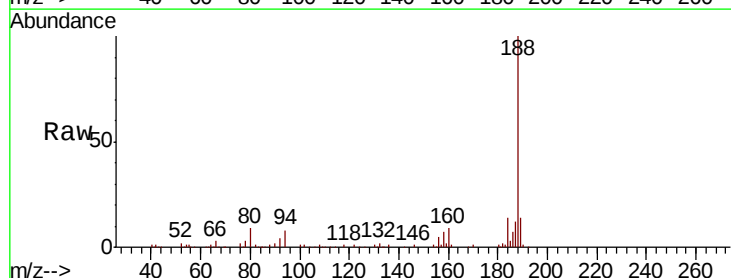
Instrument :
BNA_F
ClientSampleId :

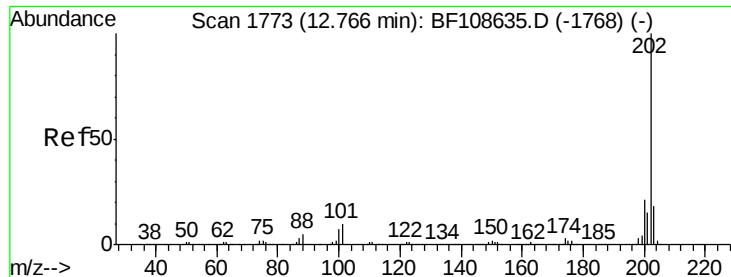
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.4	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108701.D
Acq: 31 Aug 2018 20:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	8.5	12.7#
80	8.7	9.2	13.8#

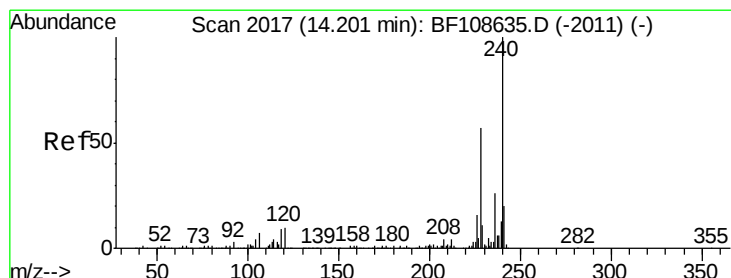
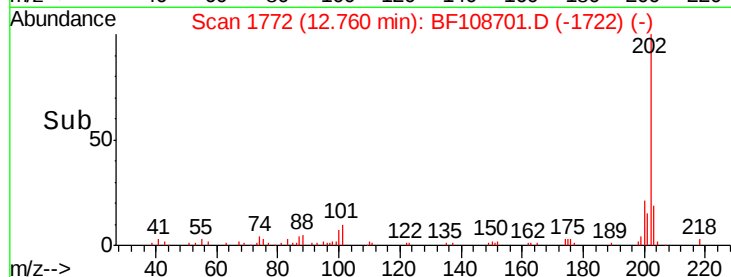
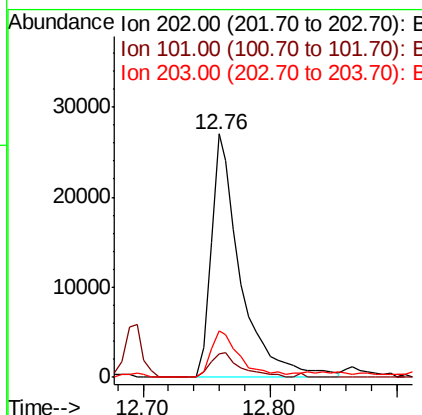
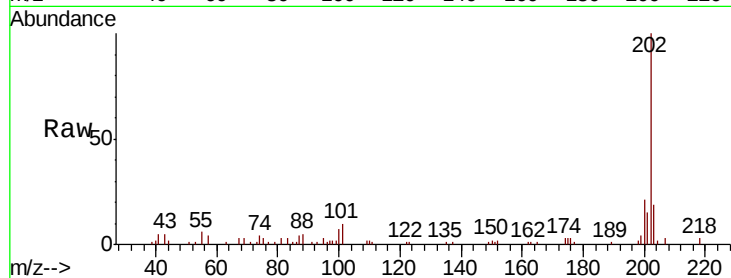




#74
 Fluoranthene
 Concen: 3.042 ng
 RT: 12.76 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: BF108701.D
 Acq: 31 Aug 2018 20:44

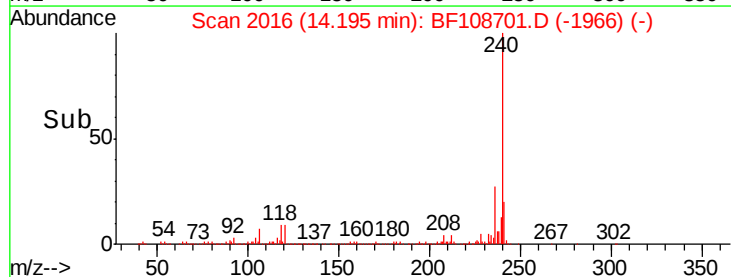
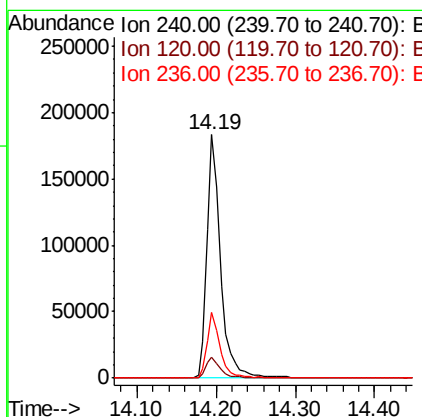
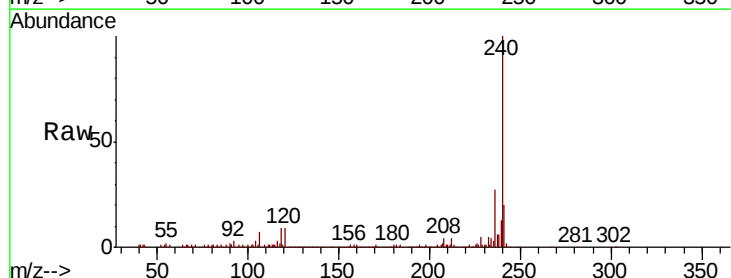
Instrument :
 BNA_F
 ClientSampleId :

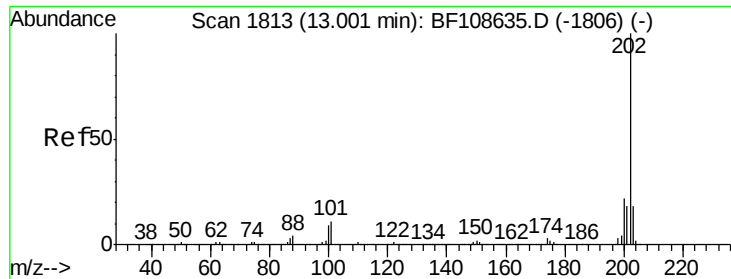
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	34.1
203	19.0	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.19 min Scan# 2016
 Delta R.T. -0.01 min
 Lab File: BF108701.D
 Acq: 31 Aug 2018 20:44

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.8	9.5	14.3#
236	27.0	20.7	31.1

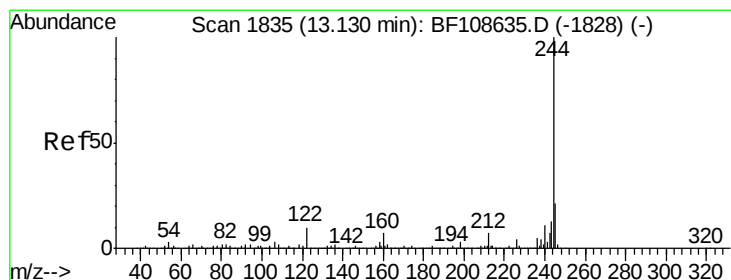
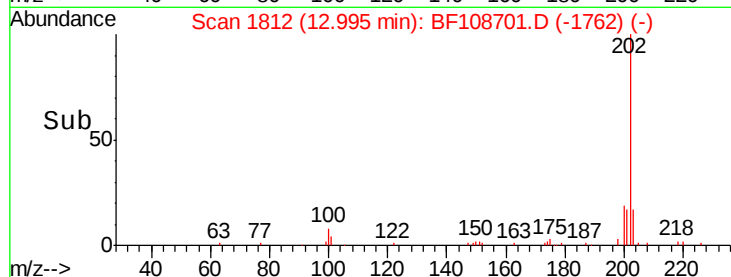
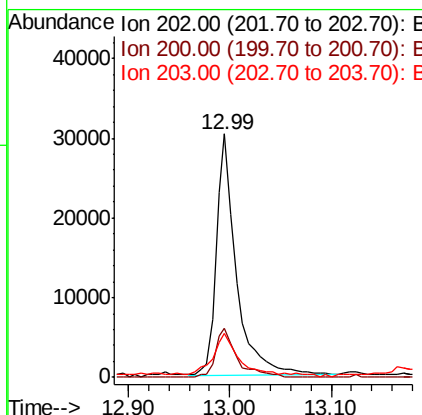
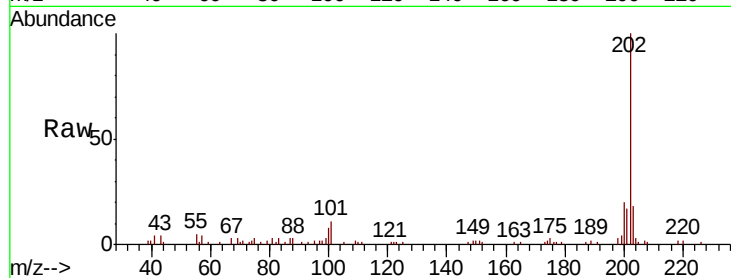




#77
Pvrene
Concen: 2.481 ng
RT: 12.99 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF108701.D
Acq: 31 Aug 2018 20:44

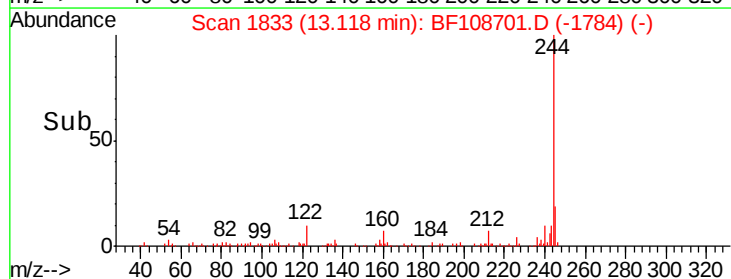
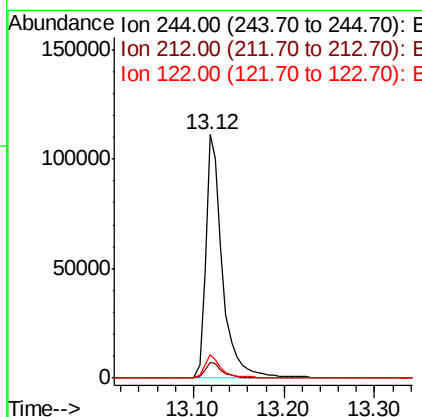
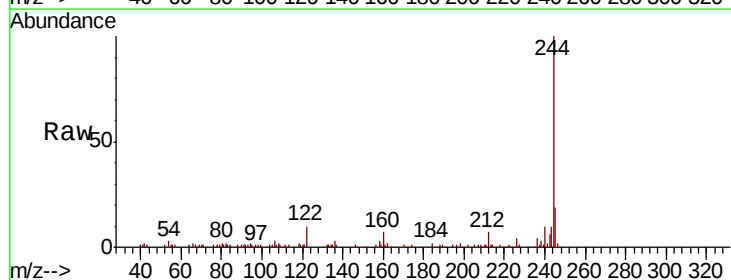
Instrument :
BNA_F
ClientSampleId :

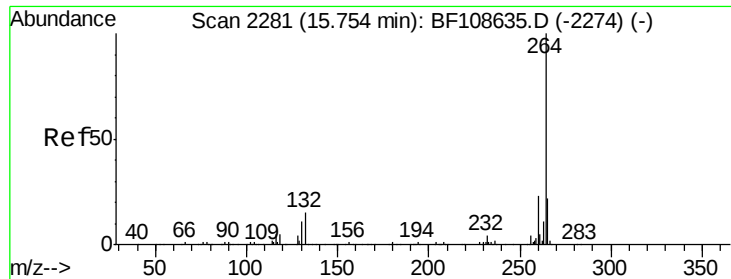
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.4	26.2
203	18.1	14.3	21.5



#78
Terphenyl-d14
Concen: 12.510 ng
RT: 13.12 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF108701.D
Acq: 31 Aug 2018 20:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	9.6	11.0	16.4#



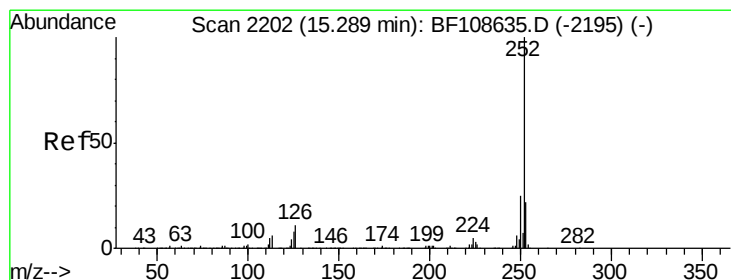
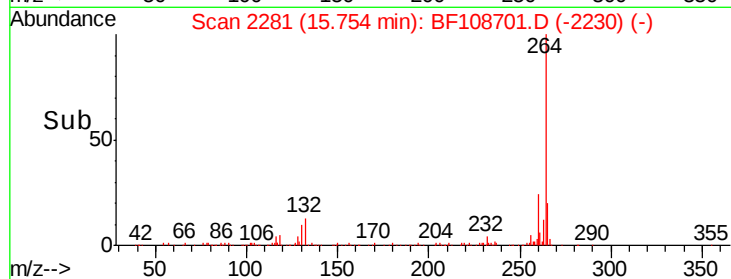
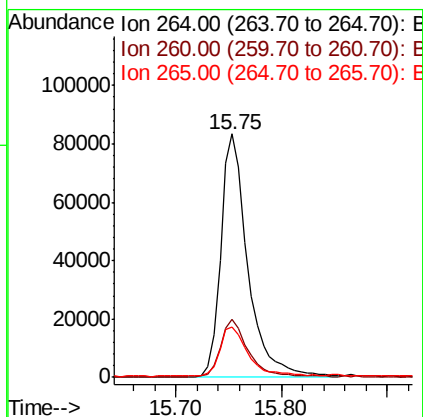
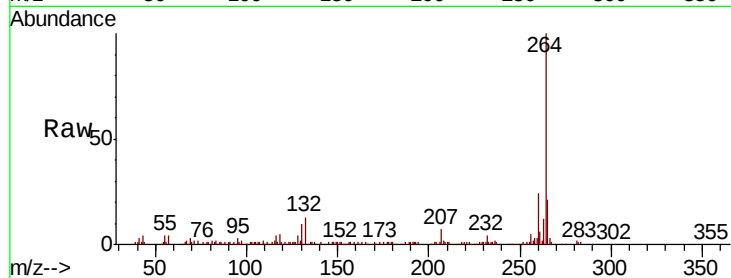


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF108701.D
Acq: 31 Aug 2018 20:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 148740

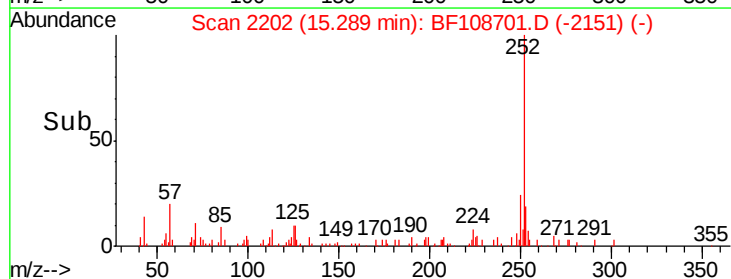
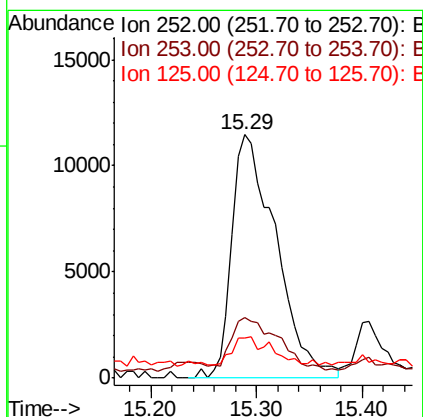
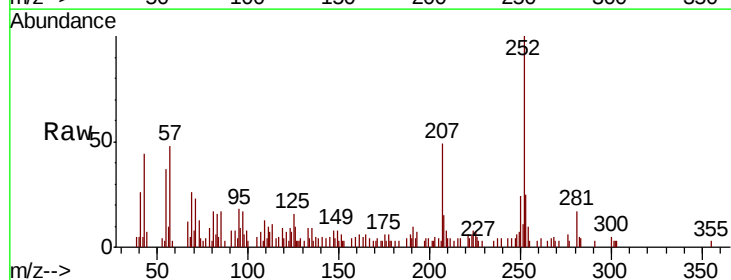
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	20.8	17.5	26.3

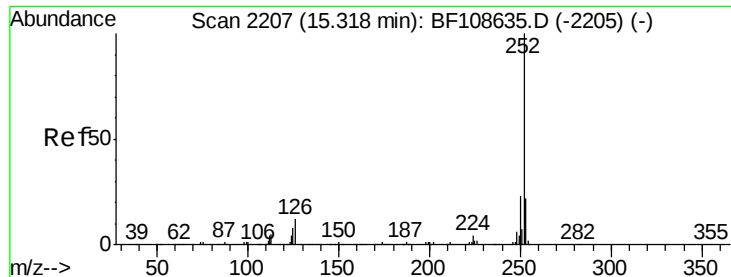


#87
Benzo(b)fluoranthene
Concen: 3.640 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BF108701.D
Acq: 31 Aug 2018 20:44

Tgt Ion:252 Resp: 33259

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	16.3	9.0	13.6

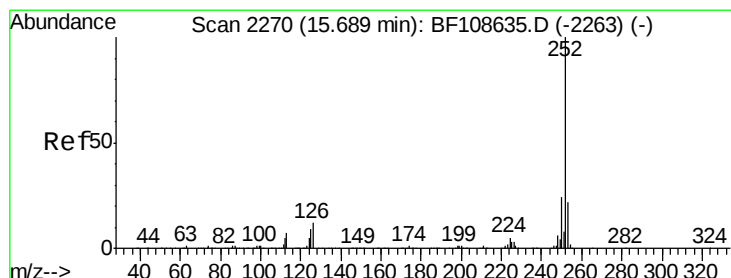
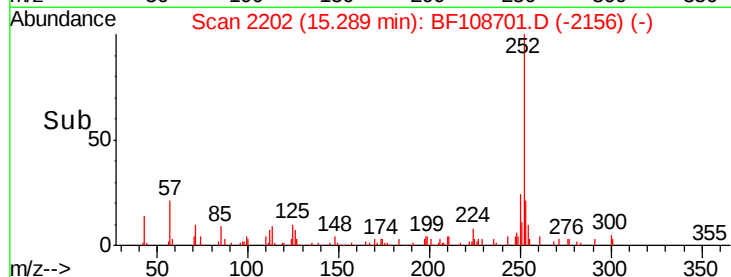
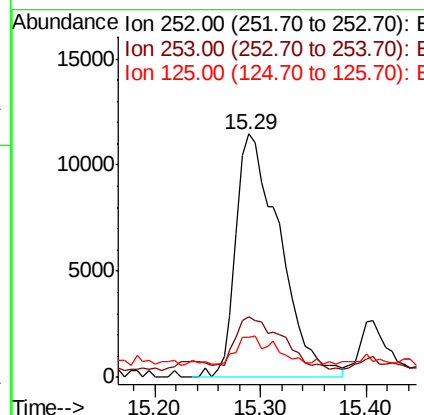
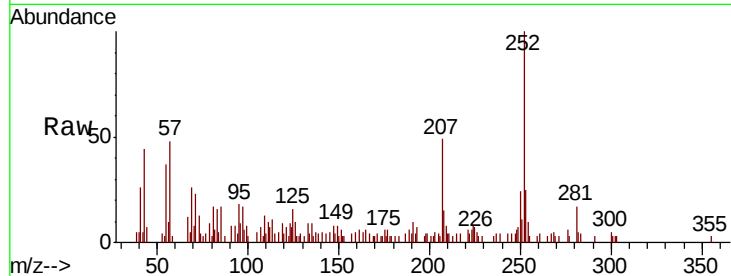




#88
Benzo(k)fluoranthene
Concen: 3.675 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.03 min
Lab File: BF108701.D
Acq: 31 Aug 2018 20:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	16.3	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.089 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF108701.D
Acq: 31 Aug 2018 20:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.1	25.7
125	19.8	9.8	14.6

