

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082918\
 Data File : BF108607.D
 Acq On : 29 Aug 2018 16:26
 Operator : JU/SJ
 Sample : J4661-02DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 29 17:16:05 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	110279	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	458522	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	202587	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	321134	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	260133	20.00	ng	0.00
86) Perylene-d12	15.75	264	270077	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	16217	2.66	ng	0.05
7) Phenol-d6	6.65	99	50521	6.24	ng	0.02
23) Nitrobenzene-d5	7.58	82	35271	4.29	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	9473	4.69	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	49002	3.88	ng	-0.01
78) Terphenyl-d14	13.12	244	31951	3.12	ng	-0.01

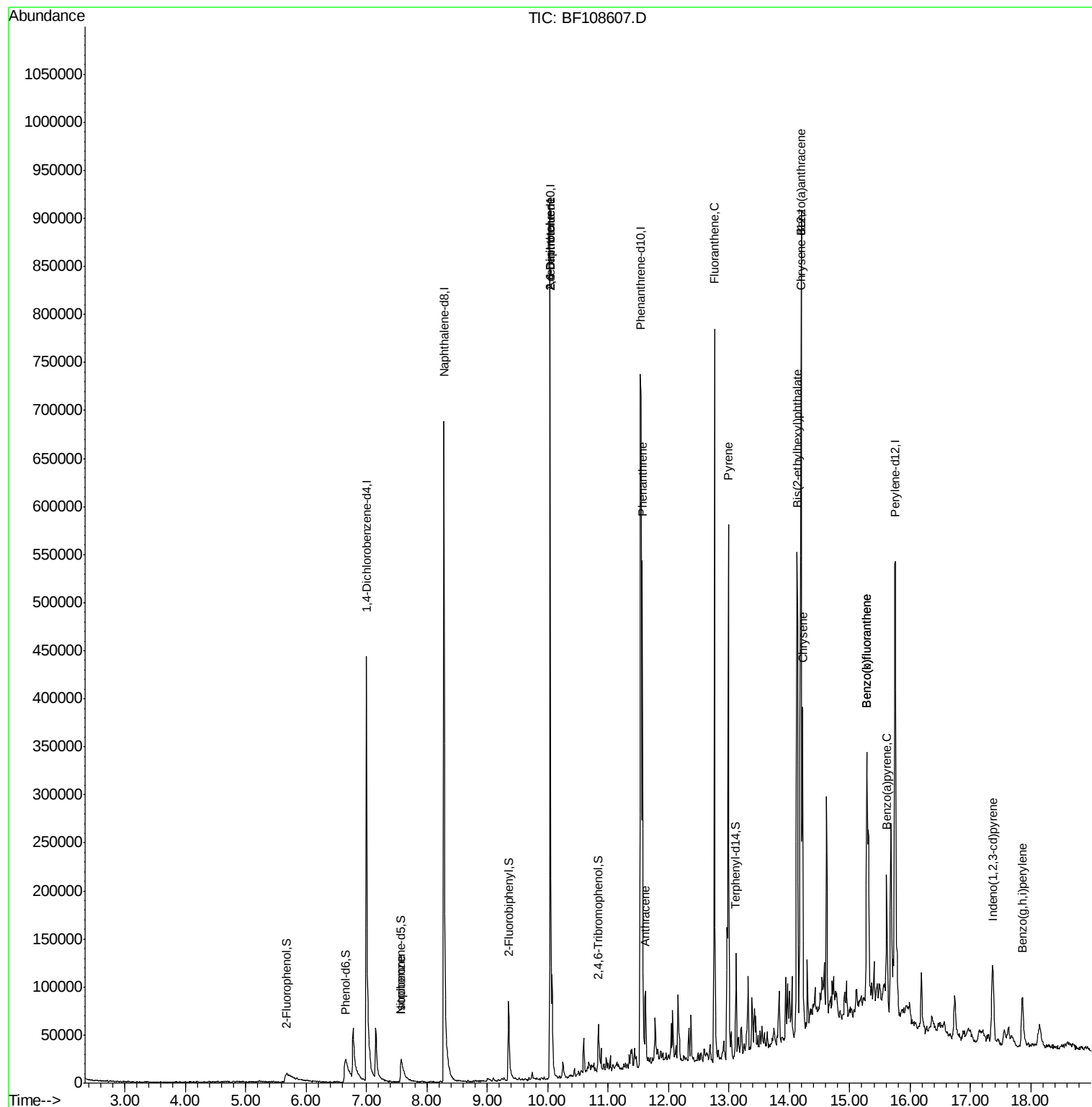
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.58	82	35271	2.252	ng	# 64
50) 2,6-Dinitrotoluene	10.04	165	25452	8.621	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	25591	6.734	ng	# 24
70) Phenanthrene	11.57	178	228258	15.070	ng	98
71) Anthracene	11.62	178	45553	2.934	ng	95
74) Fluoranthene	12.76	202	335111	20.272	ng	95
77) Pyrene	12.99	202	273665	16.617	ng	98
80) Benzo(a)anthracene	14.18	228	142412	9.539	ng	98
82) Chrysene	14.22	228	131912	9.638	ng	98
83) Bis(2-ethylhexyl)phthalate	14.13	149	306465	34.606	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.36	276	56974	4.804	ng	# 89
87) Benzo(b)fluoranthene	15.28	252	224590	13.917	ng	96
88) Benzo(k)fluoranthene	15.28	252	224590	15.139	ng	# 96
89) Benzo(a)pyrene	15.61	252	72097	4.989	ng	98
91) Benzo(a,h,i)perylene	17.86	276	49797	4.229	ng	# 91

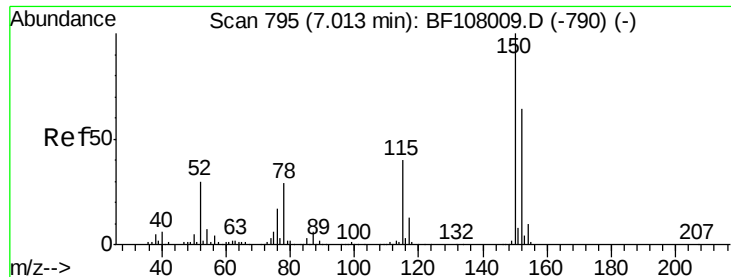
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082918\
Data File : BF108607.D
Acq On : 29 Aug 2018 16:26
Operator : JU/SJ
Sample : J4661-02DL 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: Aug 29 17:16:05 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



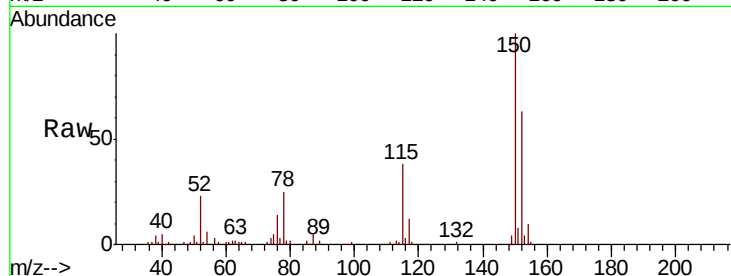


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	60.5	50.1	75.1

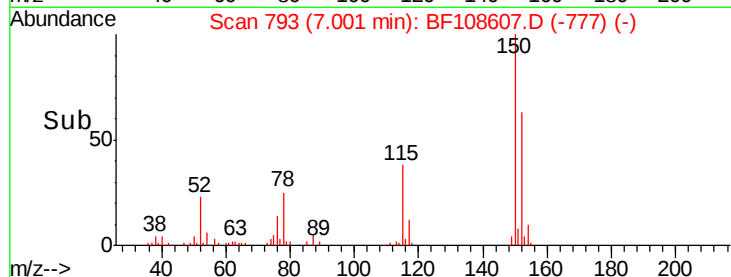
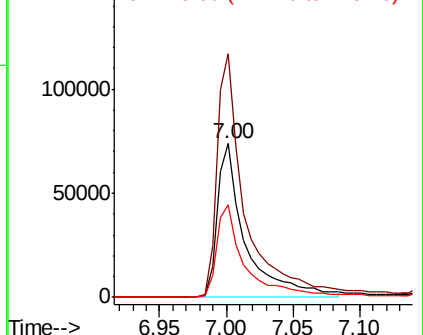


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

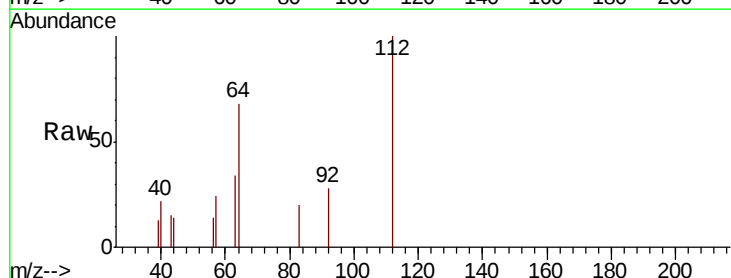
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 2.662 ng
RT: 5.68 min Scan# 568
Delta R.T. 0.05 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	47.9	71.9
63	34.1	23.7	35.5

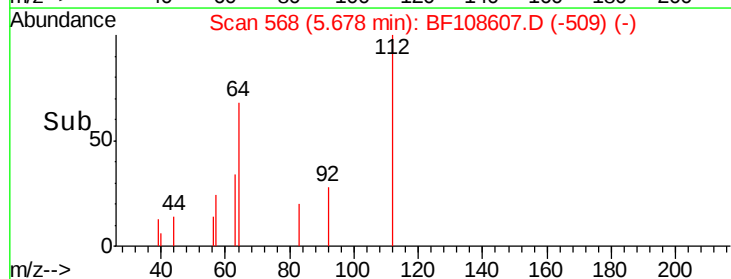
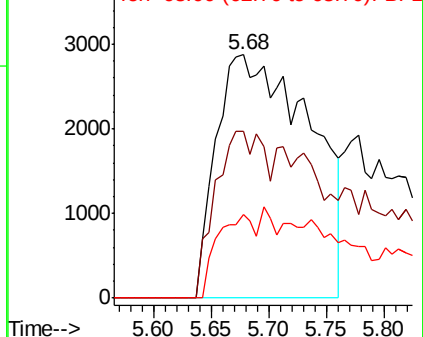


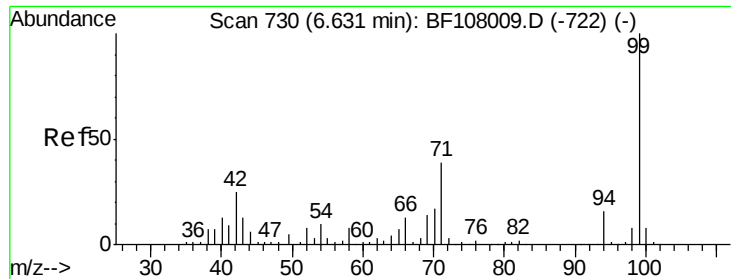
Abundance

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: 6.241 ng

RT: 6.65 min Scan# 733

Delta R.T. 0.02 min

Lab File: BF108607.D

Acq: 29 Aug 2018 16:26

Instrument :

BNA_F

ClientSampleId :

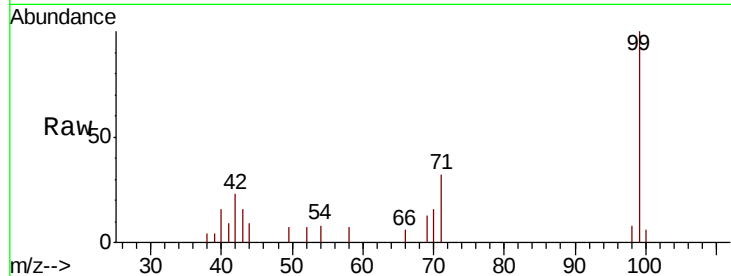
Tot Ion: 99 Resp: 50521

Ion Ratio Lower Upper

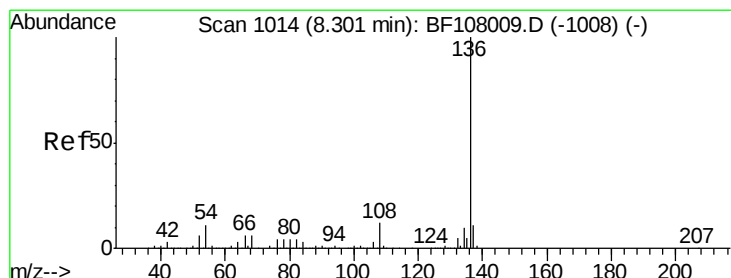
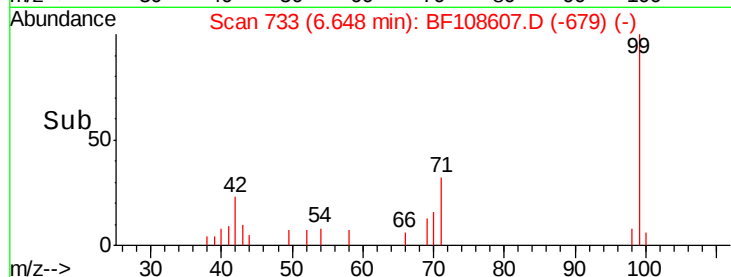
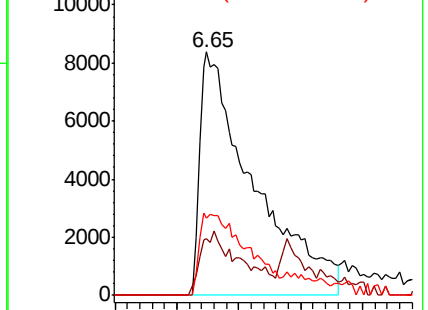
99 100

42 23.0 14.5 21.7#

71 31.7 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: BF108607.D

Acq: 29 Aug 2018 16:26

Tgt Ion: 136 Resp: 458522

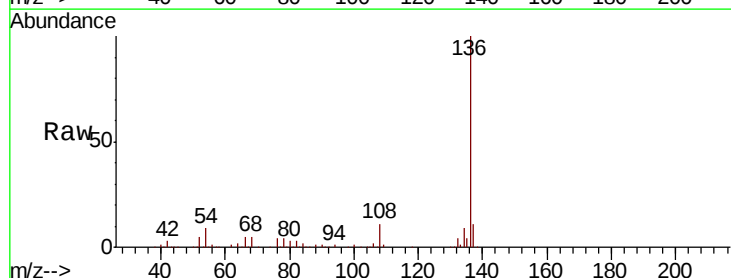
Ion Ratio Lower Upper

136 100

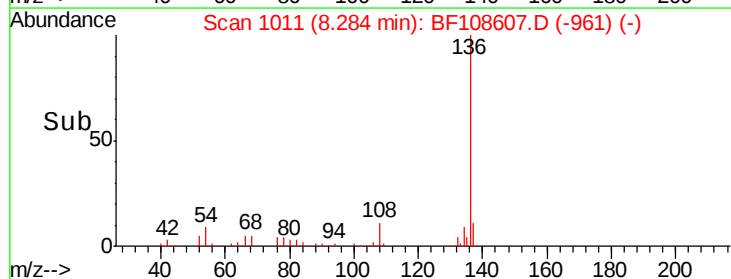
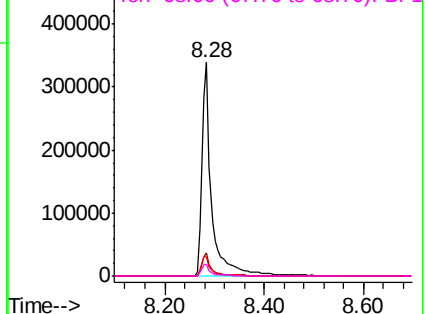
137 10.8 8.9 13.3

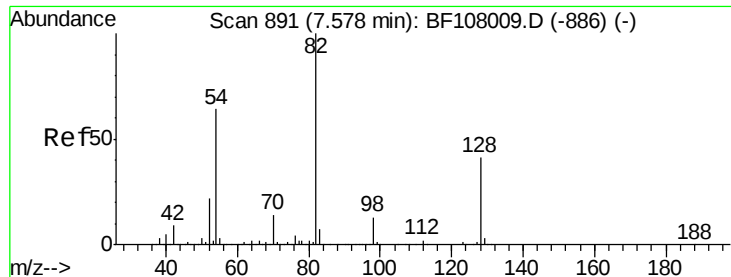
54 8.8 6.6 9.8

68 5.2 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

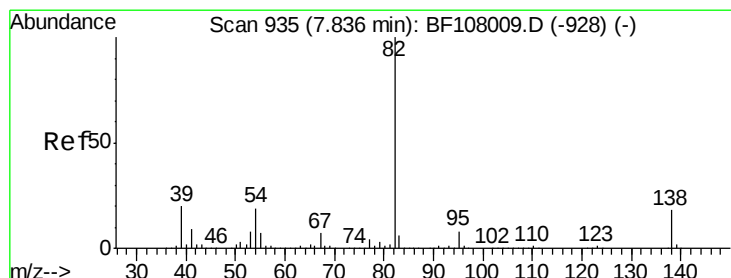
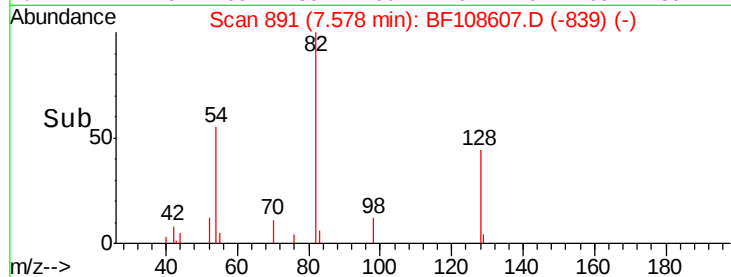
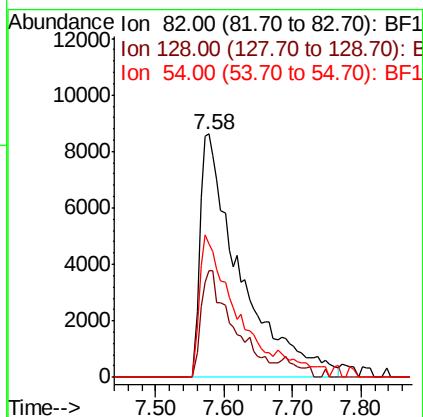
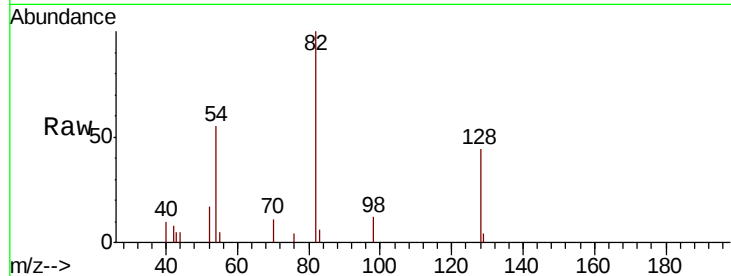




#23
 Nitrobenzene-d5
 Concen: 4.292 ng
 RT: 7.58 min Scan# 891
 Delta R.T. 0.01 min
 Lab File: BF108607.D
 Acq: 29 Aug 2018 16:26

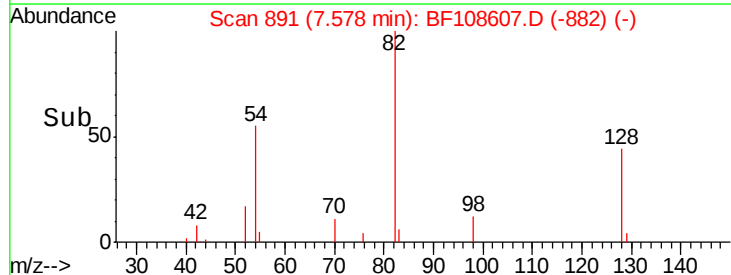
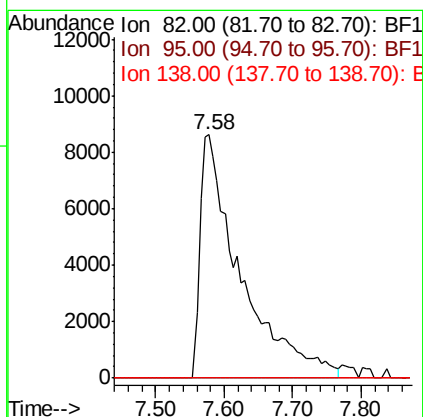
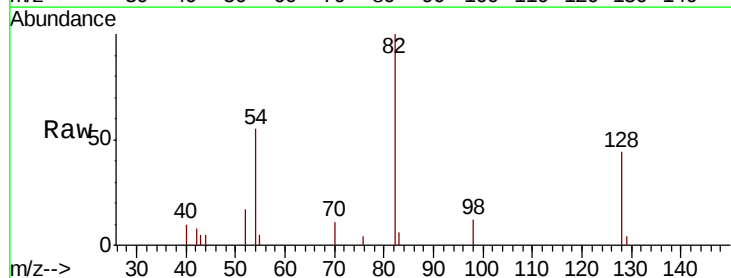
Instrument :
 BNA_F
 ClientSampled :

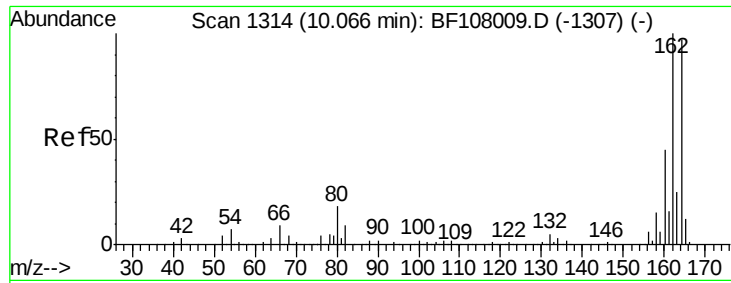
Tot Ion	82	Resp	35271
Ion Ratio	Lower	Upper	
82	100		
128	43.6	36.1	54.1
54	54.8	41.4	62.2



#25
 Isophorone
 Concen: 2.252 ng
 RT: 7.58 min Scan# 891
 Delta R.T. -0.25 min
 Lab File: BF108607.D
 Acq: 29 Aug 2018 16:26

Tgt Ion	82	Resp	35271
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

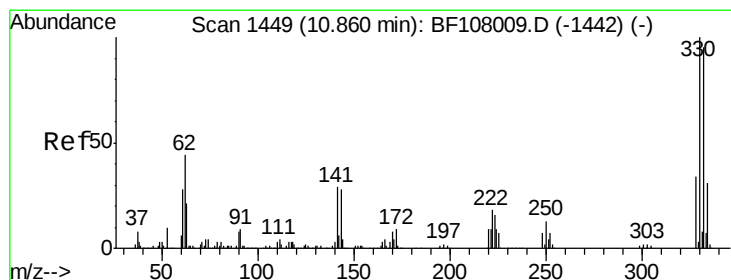
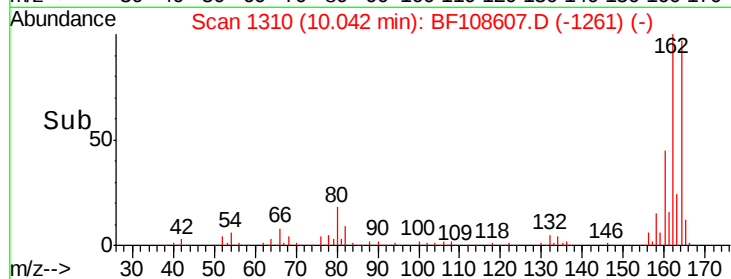
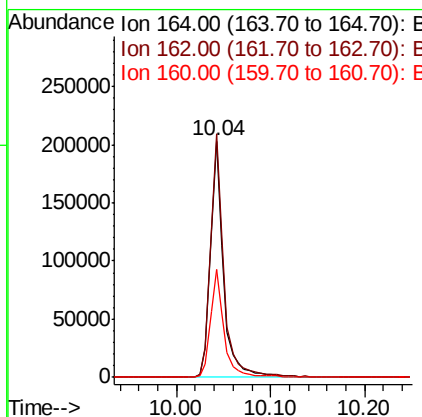
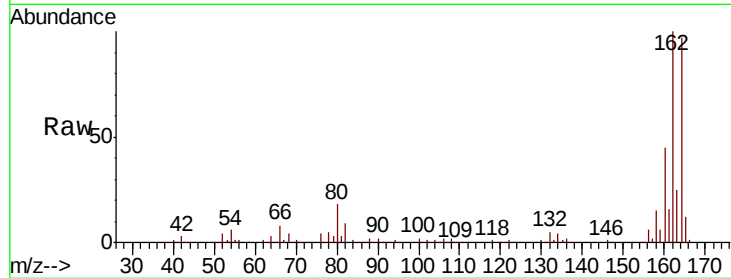




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108607.D
 Acq: 29 Aug 2018 16:26

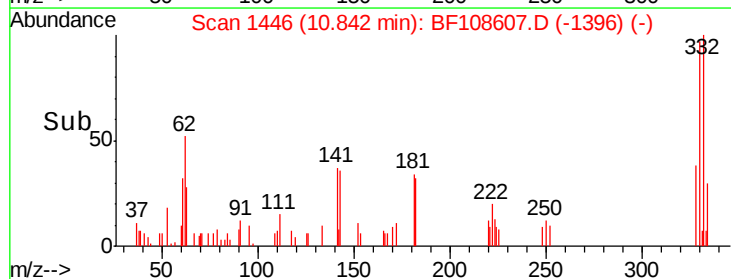
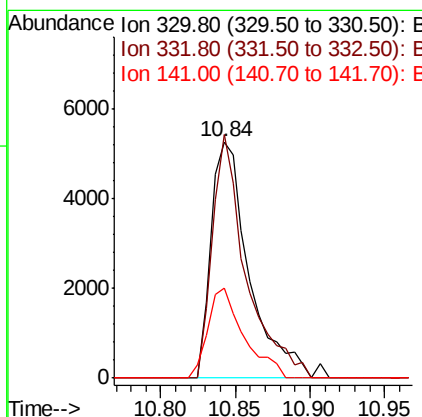
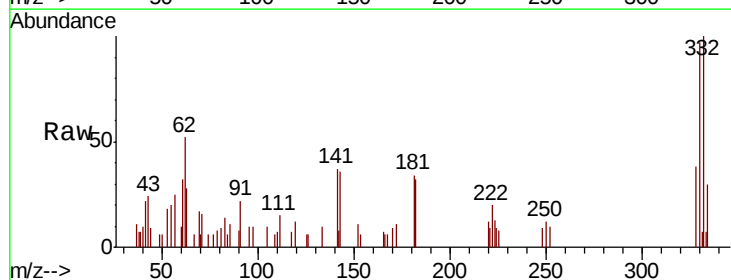
Instrument :
 BNA_F
 ClientSampleId :

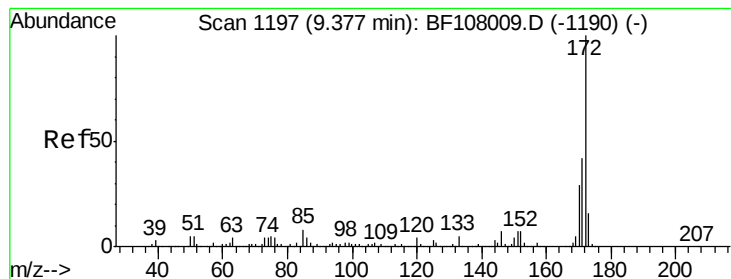
Tot Ion:164 Resp: 202587
 Ion Ratio Lower Upper
 164 100
 162 102.9 86.1 129.1
 160 45.8 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 4.688 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108607.D
 Acq: 29 Aug 2018 16:26

Tgt Ion:330 Resp: 9473
 Ion Ratio Lower Upper
 330 100
 332 90.3 77.0 115.6
 141 35.5 29.9 44.9

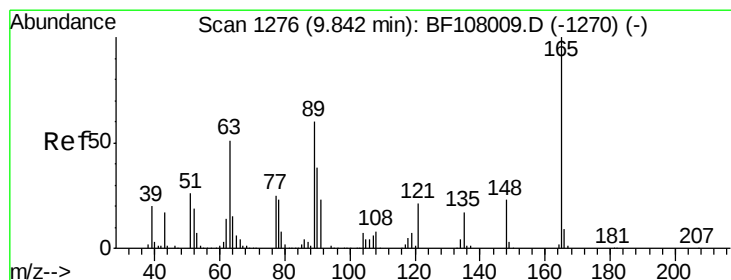
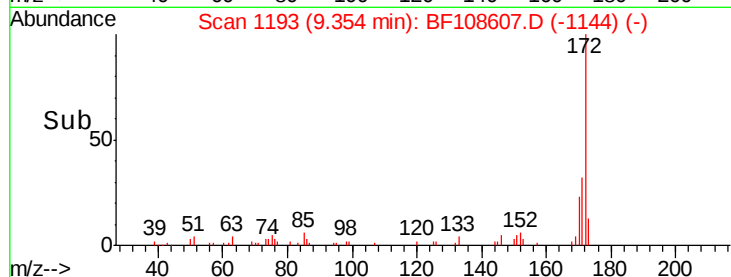
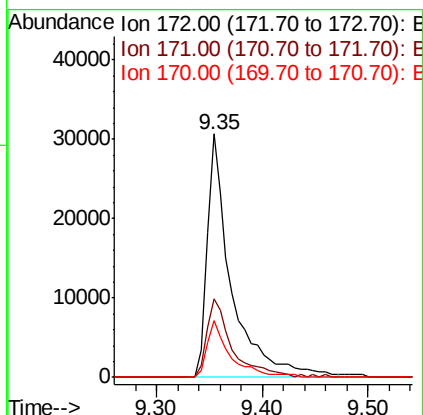
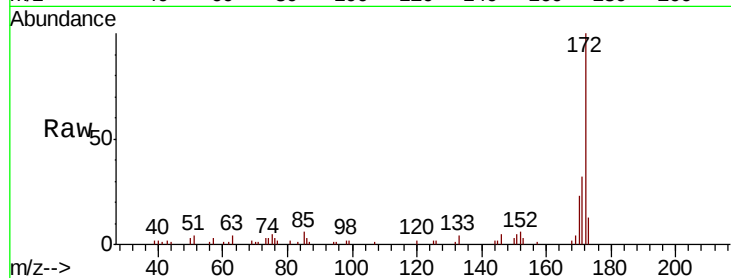




#44
2-Fluorobiphenyl
Concen: 3.883 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

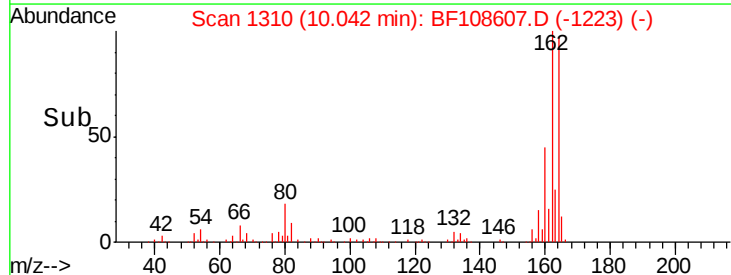
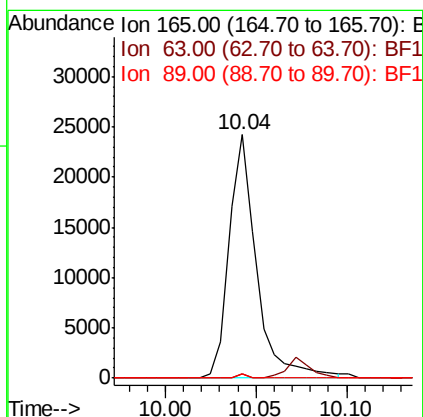
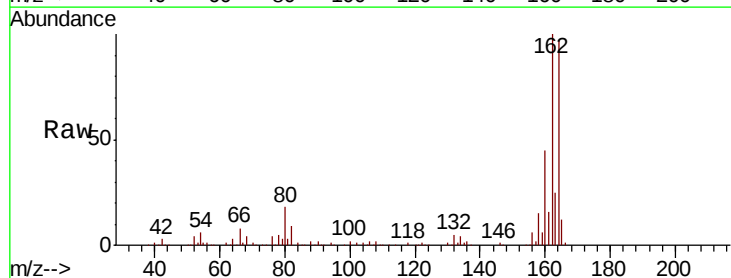
Instrument :
BNA_F
ClientSampleId :

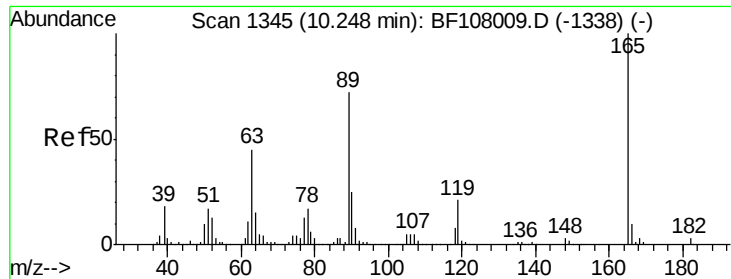
Tot Ion:172 Resp: 49002
Ion Ratio Lower Upper
172 100
171 32.4 29.7 44.5
170 23.4 19.6 29.4



#50
2,6-Dinitrotoluene
Concen: 8.621 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

Tgt Ion:165 Resp: 25452
Ion Ratio Lower Upper
165 100
63 1.9 44.7 67.1#
89 1.6 44.0 66.0#

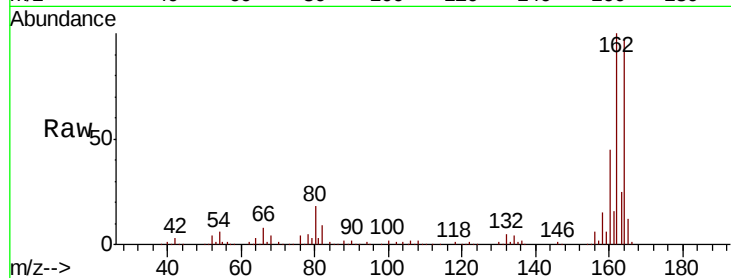




#56
 2,4-Dinitrotoluene
 Concen: 6.734 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108607.D
 Acq: 29 Aug 2018 16:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

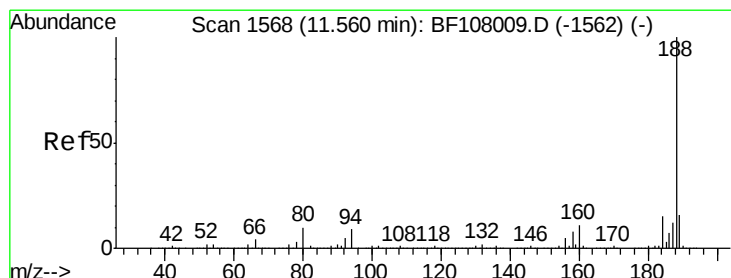
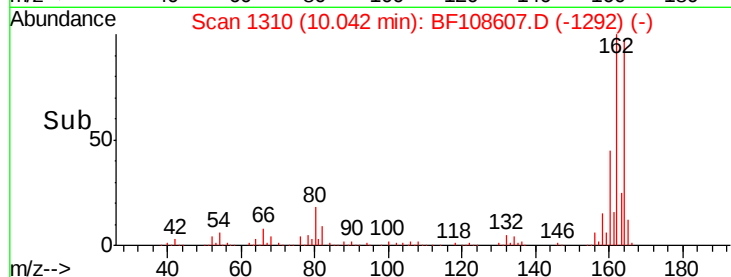
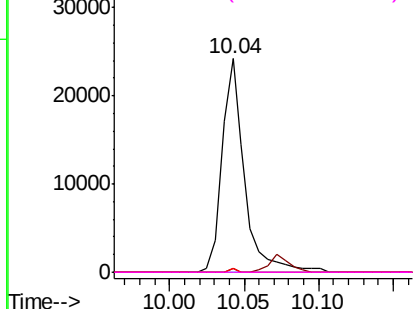


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

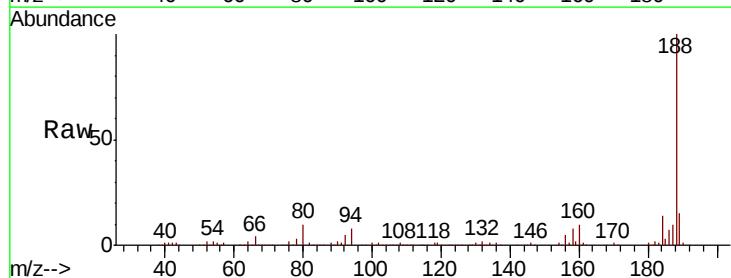
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108607.D
 Acq: 29 Aug 2018 16:26

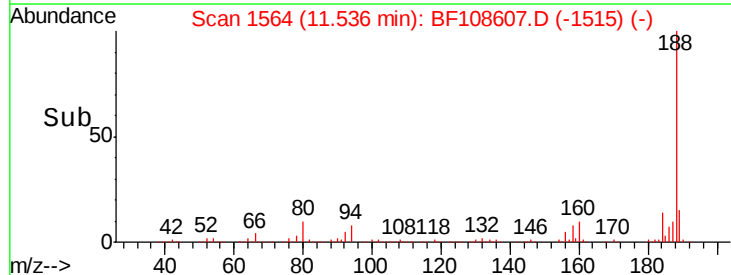
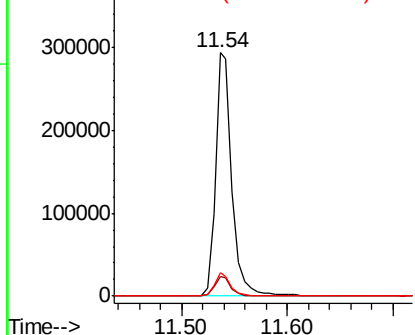
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	9.5	9.2	13.8

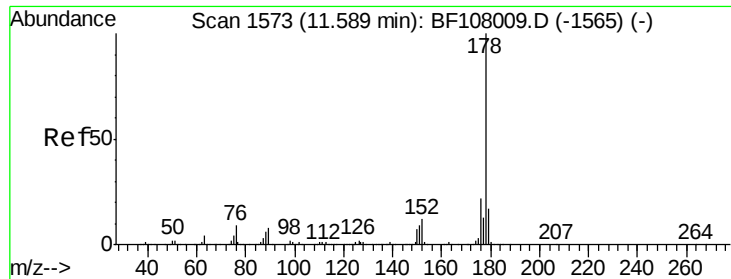


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

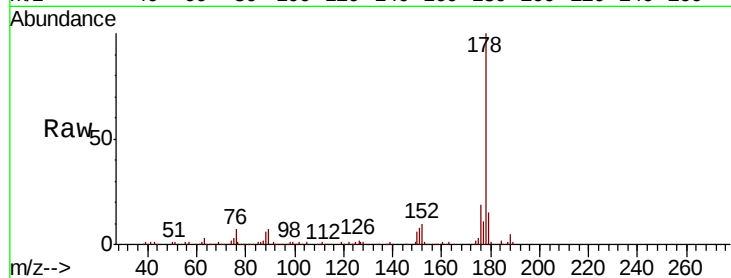




#70
Phenanthrene
Concen: 15.070 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.1	13.0	19.6

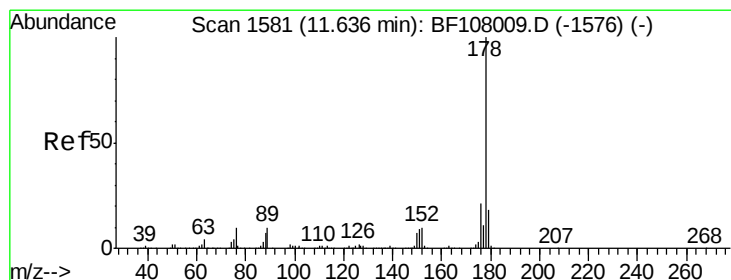
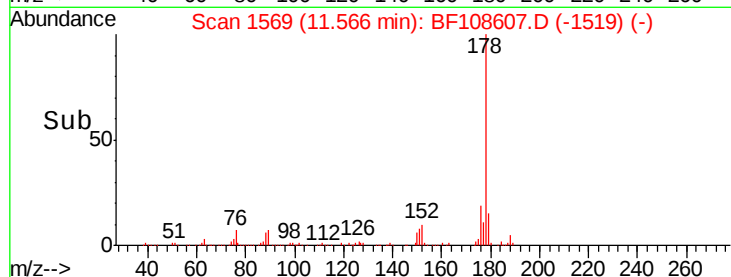
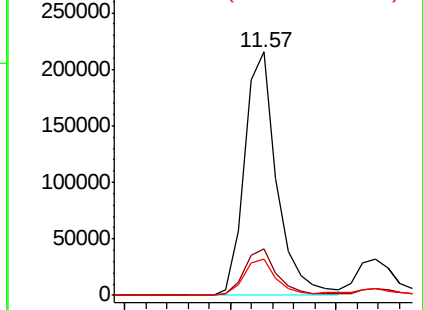


Abundance

Ion 178.00 (177.70 to 178.70): E

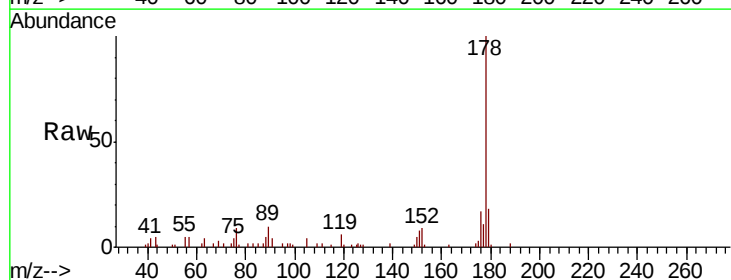
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71
Anthracene
Concen: 2.934 ng
RT: 11.62 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.4	23.2
179	18.0	12.6	19.0

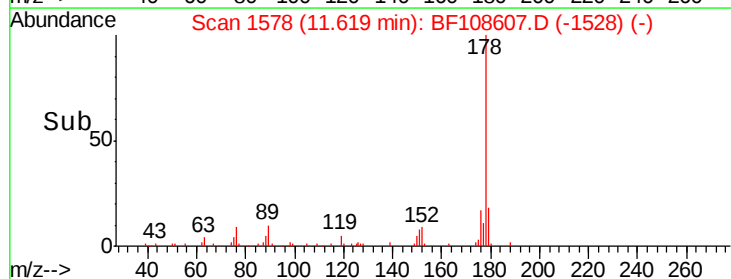
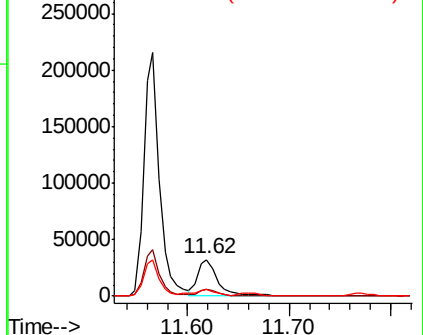


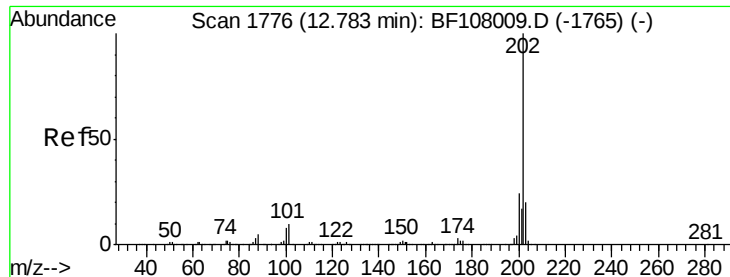
Abundance

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

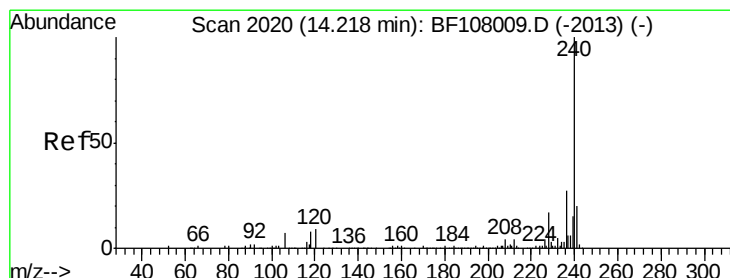
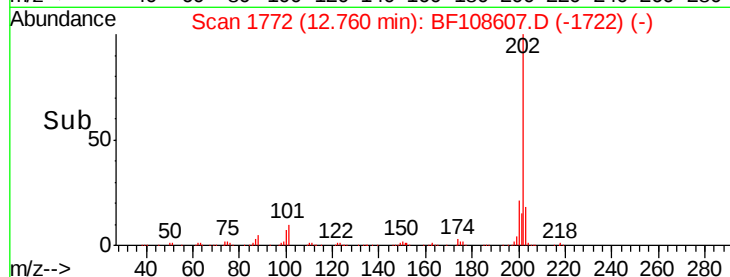
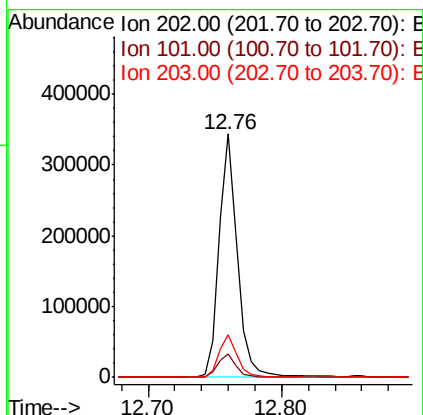
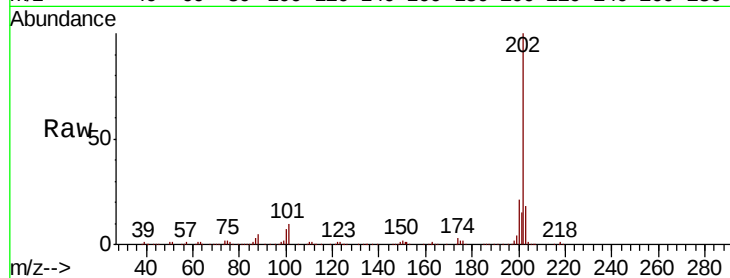




#74
 Fluoranthene
 Concen: 20.272 ng
 RT: 12.76 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: BF108607.D
 Acq: 29 Aug 2018 16:26

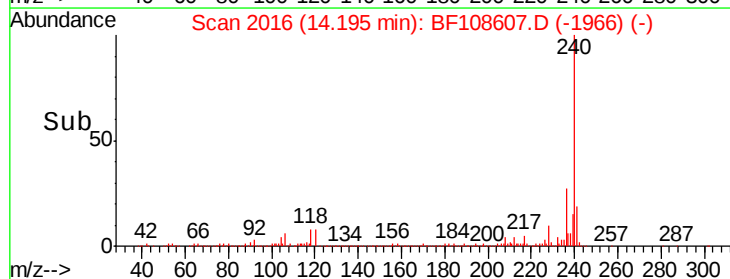
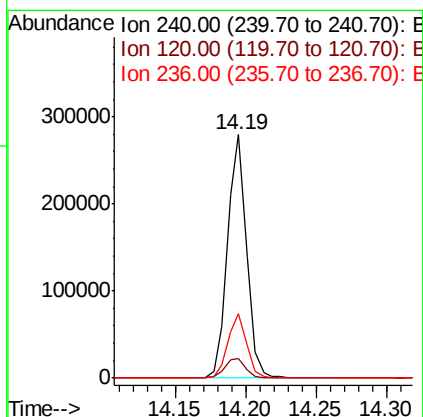
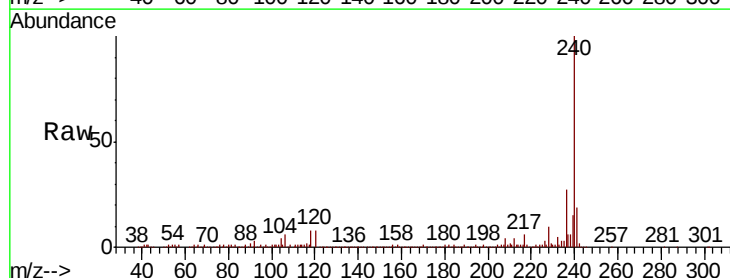
Instrument :
 BNA_F
 ClientSampleId :

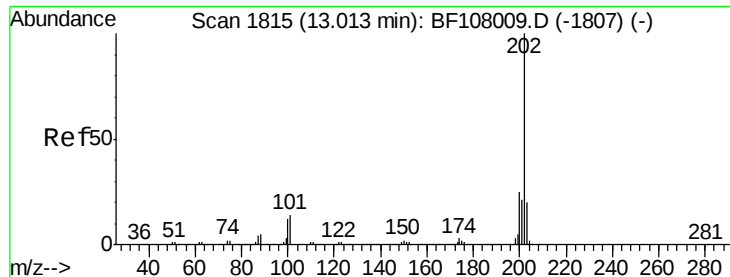
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	34.1
203	17.7	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.19 min Scan# 2016
 Delta R.T. -0.01 min
 Lab File: BF108607.D
 Acq: 29 Aug 2018 16:26

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.2	9.5	14.3#
236	26.5	20.7	31.1

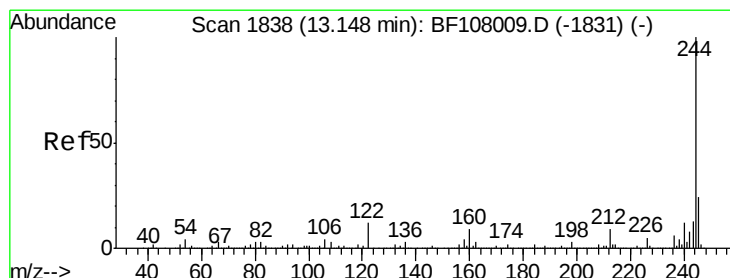
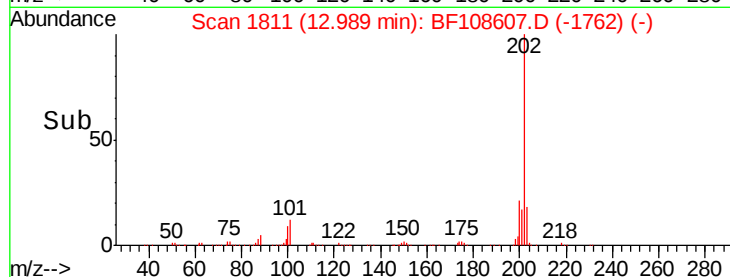
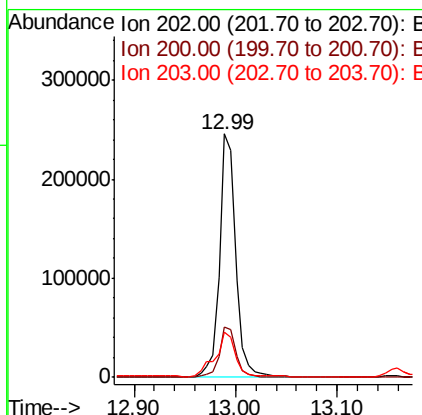
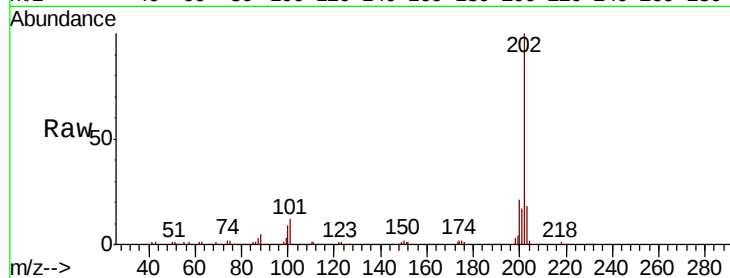




#77
Pvrene
Concen: 16.617 ng
RT: 12.99 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

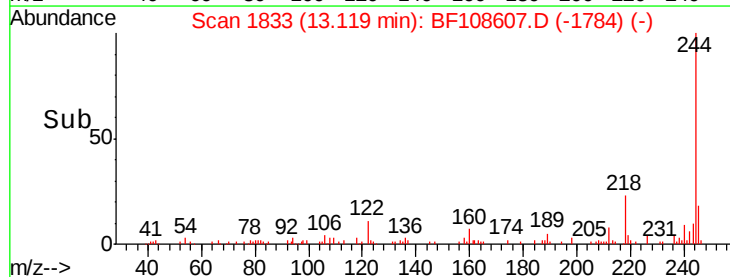
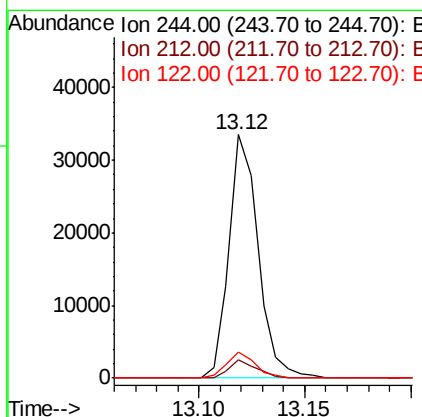
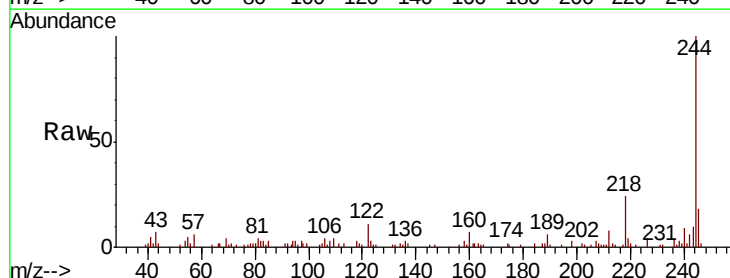
Instrument :
BNA_F
ClientSampleId :

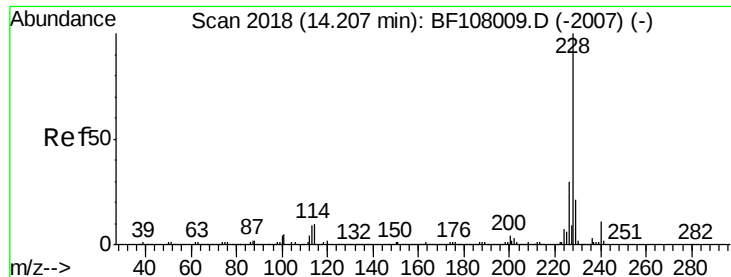
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	18.3	14.3	21.5



#78
Terphenyl-d14
Concen: 3.123 ng
RT: 13.12 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.4	8.0
122	10.5	11.0	16.4#

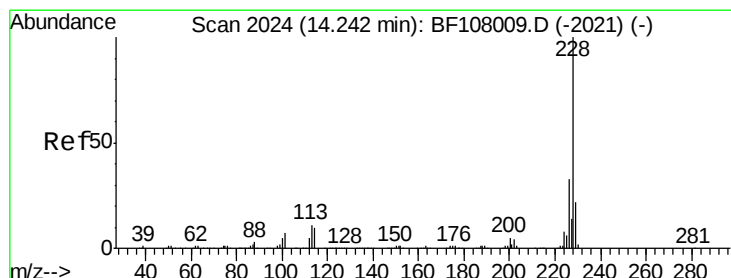
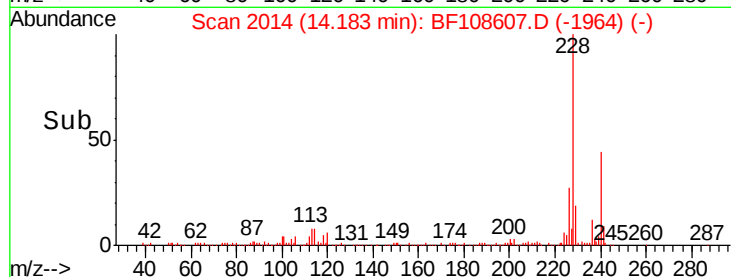
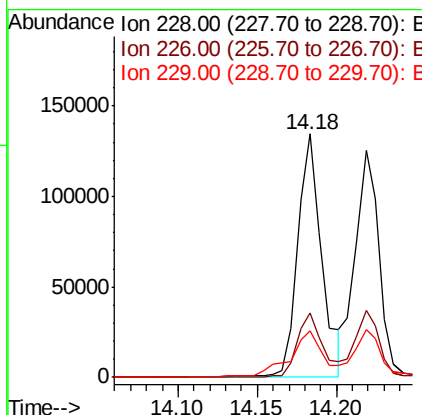
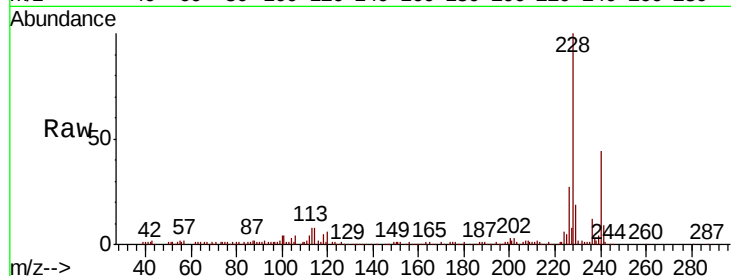




#80
Benzo(a)anthracene
Concen: 9.539 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

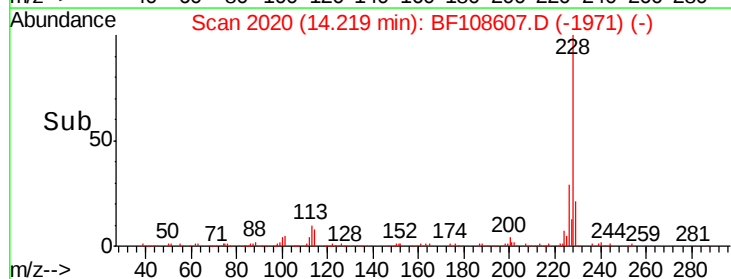
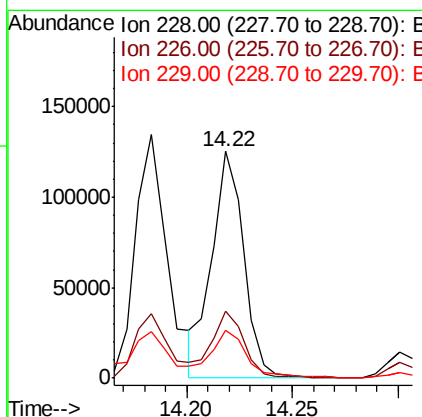
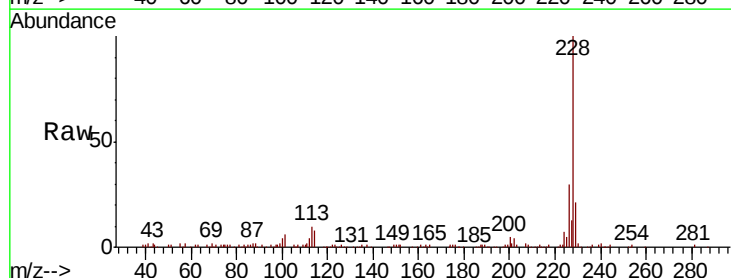
Instrument :
BNA_F
ClientSampleId :

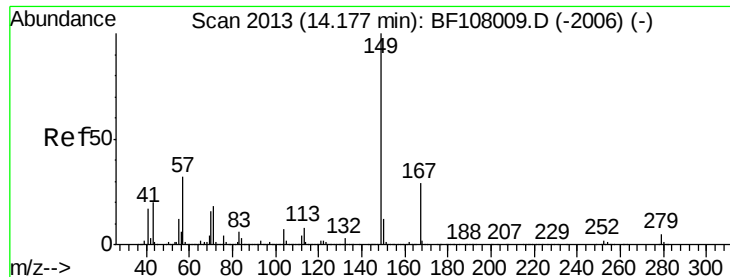
Tot Ion:228 Resp: 142412
Ion Ratio Lower Upper
228 100
226 26.7 22.6 33.8
229 19.0 15.8 23.6



#82
Chrysene
Concen: 9.638 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

Tgt Ion:228 Resp: 131912
Ion Ratio Lower Upper
228 100
226 29.6 25.0 37.6
229 21.0 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 34.606 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF108607.D

Acq: 29 Aug 2018 16:26

Instrument :

BNA_F

ClientSampled :

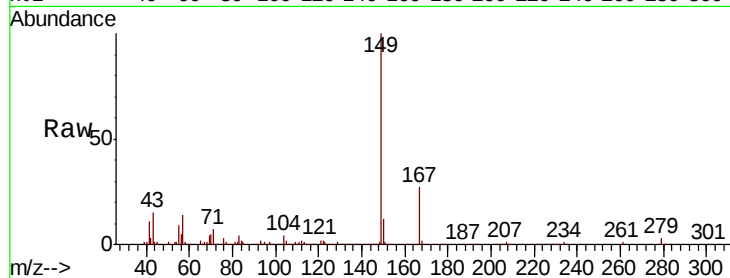
Tot Ion:149 Resp: 306465

Ion Ratio Lower Upper

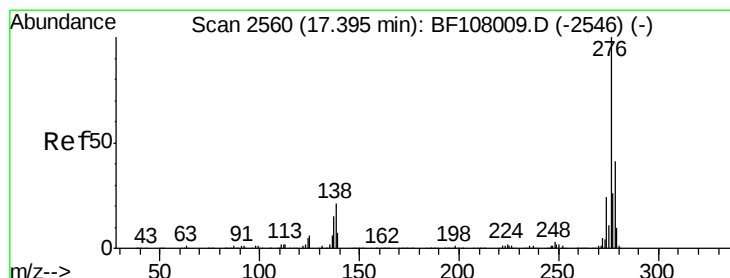
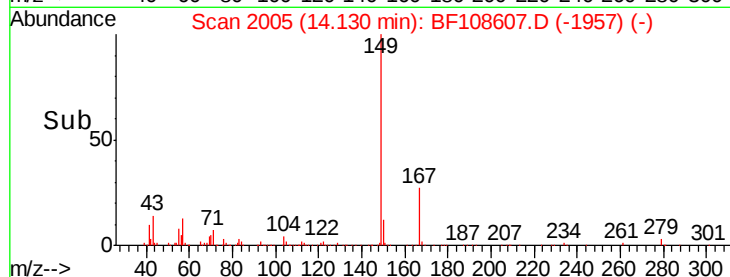
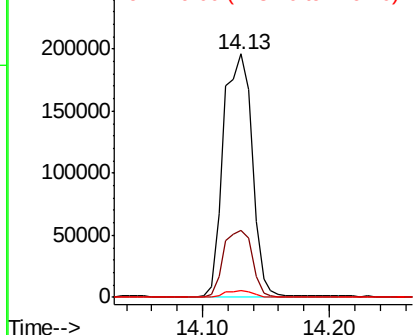
149 100

167 27.3 21.3 31.9

279 2.6 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.804 ng

RT: 17.36 min Scan# 2554

Delta R.T. -0.01 min

Lab File: BF108607.D

Acq: 29 Aug 2018 16:26

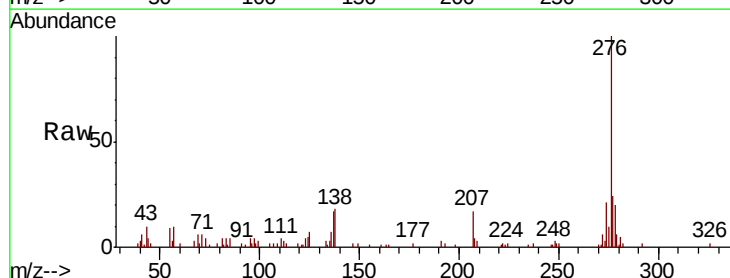
Tgt Ion:276 Resp: 56974

Ion Ratio Lower Upper

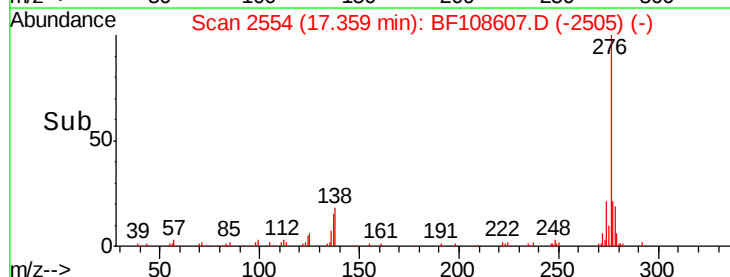
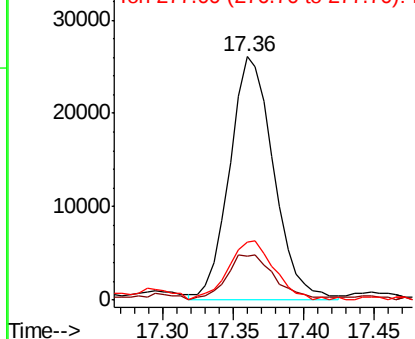
276 100

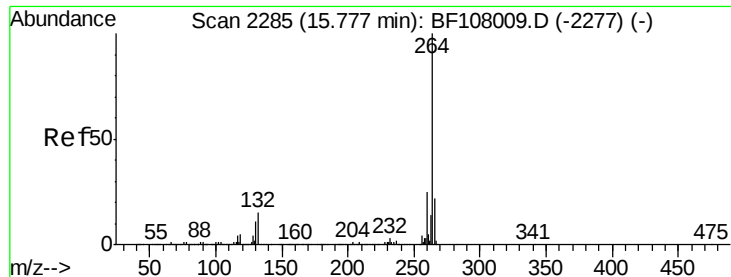
138 20.5 25.0 37.6#

277 25.3 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

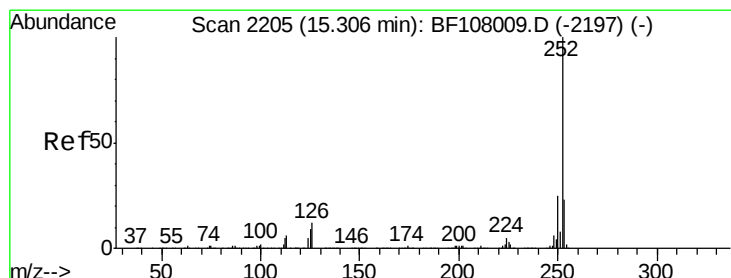
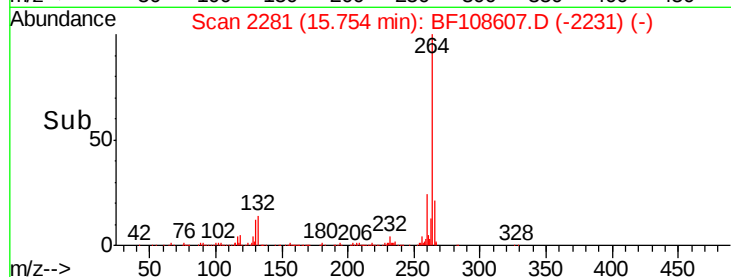
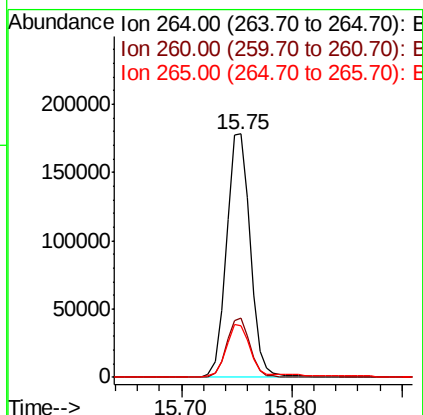
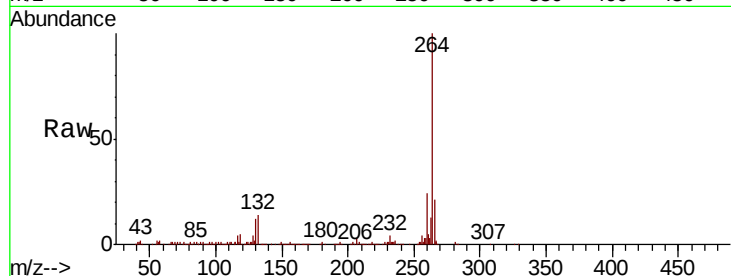




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

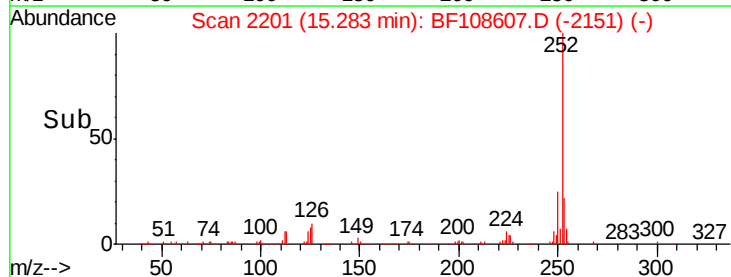
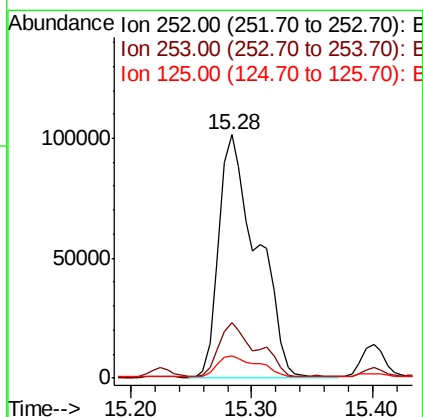
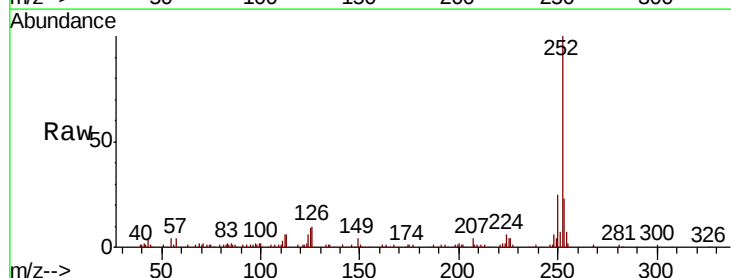
Instrument :
BNA_F
ClientSampled :

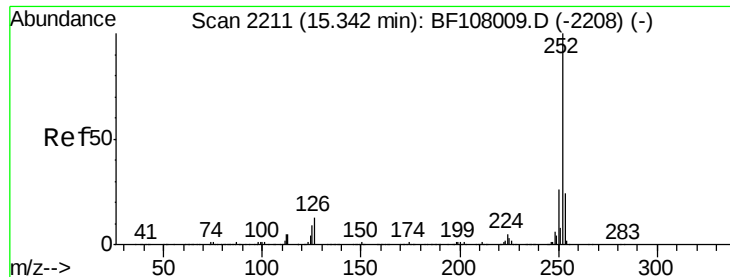
Tot Ion:264 Resp: 270077
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 21.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 13.917 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

Tgt Ion:252 Resp: 224590
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 9.1 9.0 13.6

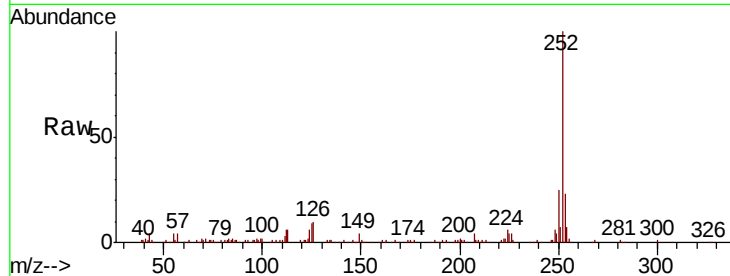




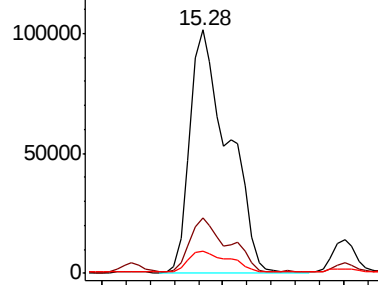
#88
Benzo(k)fluoranthene
Concen: 15.139 ng
RT: 15.28 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

Instrument :
BNA_F
ClientSampleId :

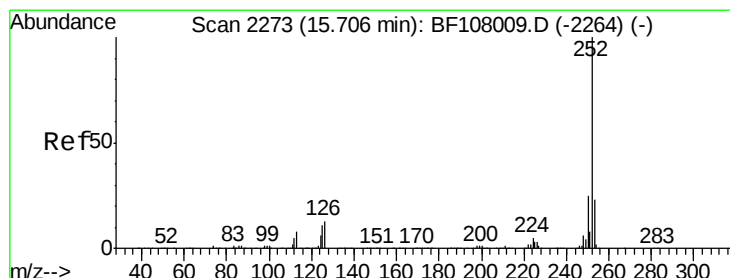
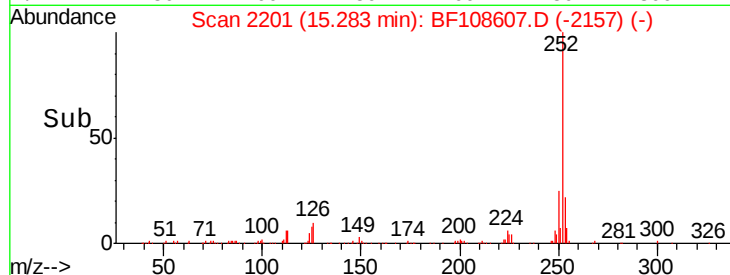
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	9.1	10.2	15.2#



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

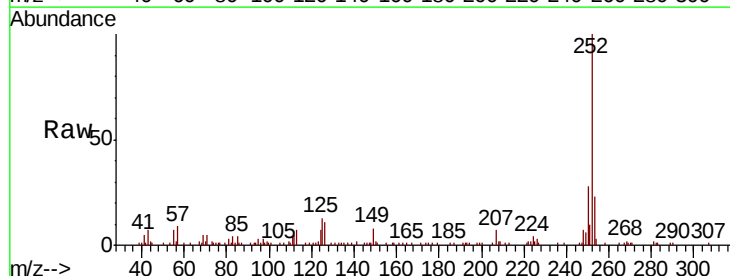


Time--> 15.20 15.30 15.40

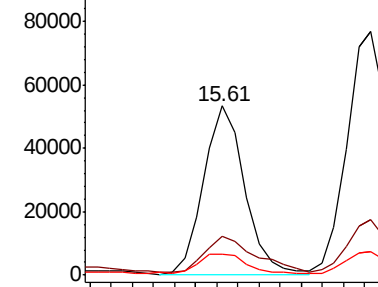


#89
Benzo(a)pyrene
Concen: 4.989 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.08 min
Lab File: BF108607.D
Acq: 29 Aug 2018 16:26

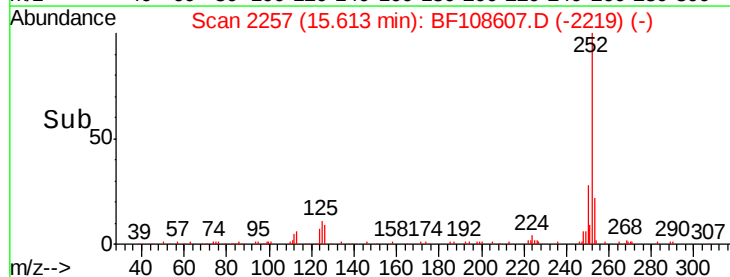
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	12.7	9.8	14.6

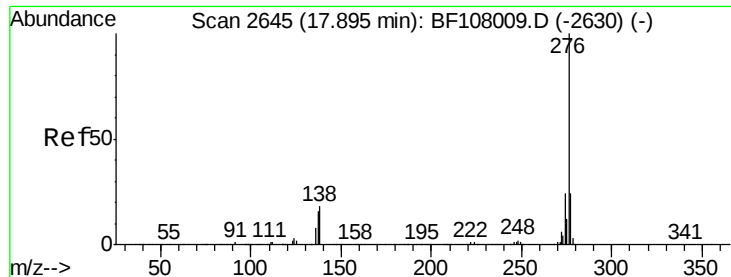


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time--> 15.55 15.65

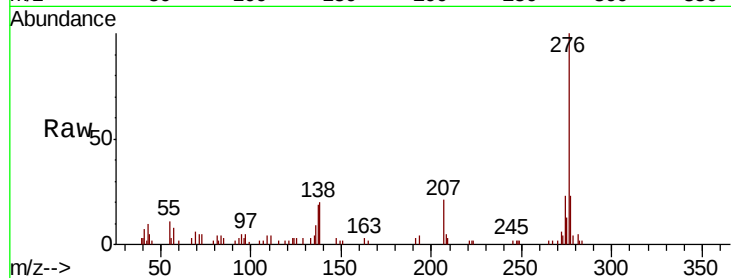




#91
 Benzo(a,h,i)perylene
 Concen: 4.229 ng
 RT: 17.86 min Scan# 2639
 Delta R.T. -0.01 min
 Lab File: BF108607.D
 Acq: 29 Aug 2018 16:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	17.9	26.9
138	19.6	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

