

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081720\
 Data File : BF121308.D
 Acq On : 17 Aug 2020 14:14
 Operator : JU/CG
 Sample : L3691-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S706-N-SO-0-0.5-081320

Quant Time: Aug 17 17:02:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 10:52:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	81864	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	307992	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	166404	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	341769	20.00	ng	0.00
76) Chrysene-d12	13.86	240	328019	20.00	ng	0.00
86) Perylene-d12	15.27	264	318819	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	518923	96.10	ng	0.00
7) Phenol-d6	6.35	99	631564	90.76	ng	0.00
23) Nitrobenzene-d5	7.27	82	404581	71.79	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	203194	99.18	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	761761	63.32	ng	0.00
79) Terphenyl-d14	12.81	244	869775	51.69	ng	0.00

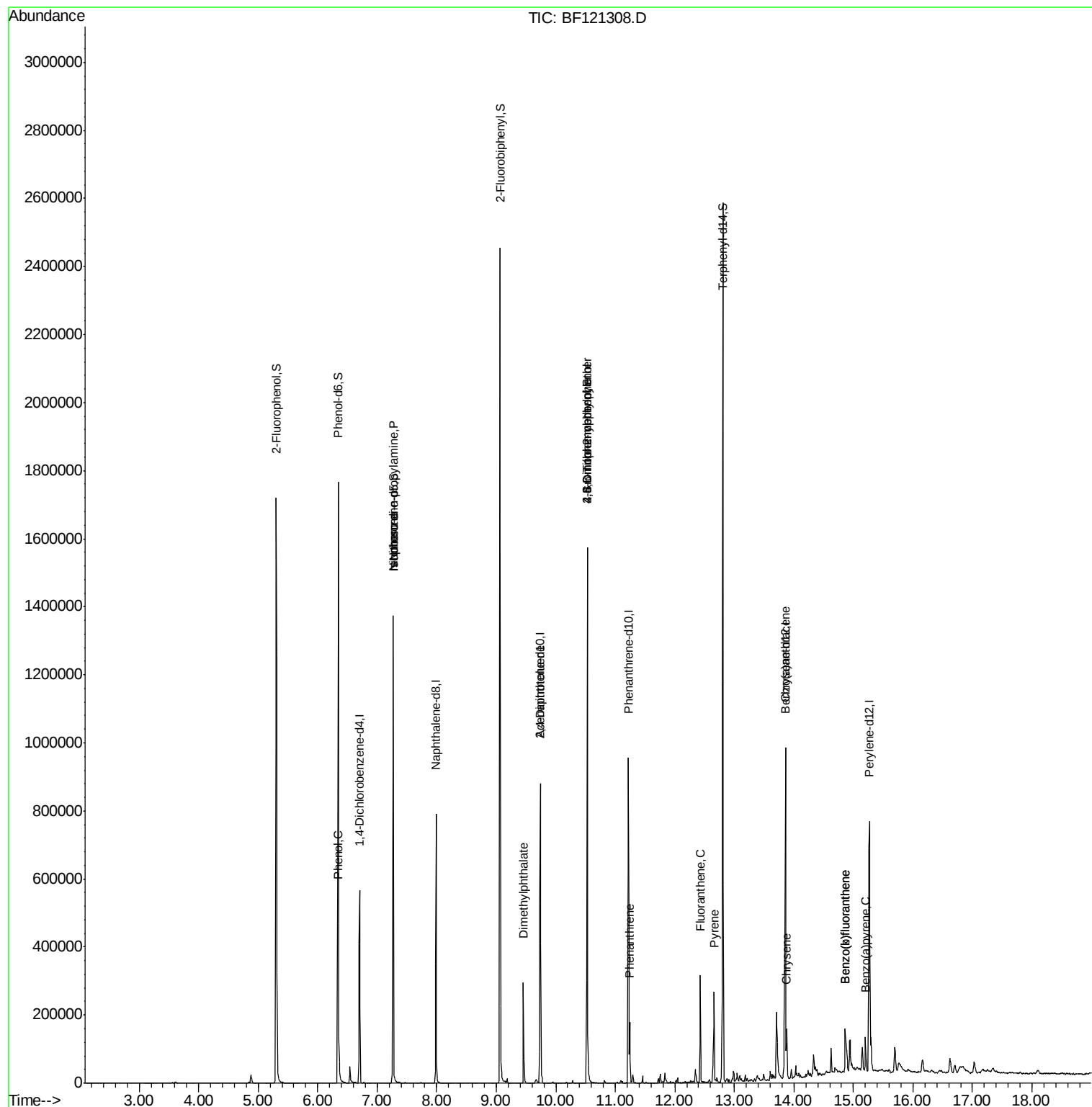
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.36	94	18598	2.464	ng	77
19) n-Nitroso-di-n-propylamine	7.27	70	51867	13.416	ng	# 78
25) Isophorone	7.27	82	404579	35.758	ng	# 63
50) Dimethylphthalate	9.46	163	125544	10.026	ng	99
57) 2,4-Dinitrotoluene	9.74	165	21172	5.780	ng	# 27
65) 4,6-Dinitro-2-methylphenol	10.53	198	297	6.057	ng	# 1
67) 4-Bromophenyl-phenylether	10.53	248	11595	2.908	ng	# 1
71) Phenanthrene	11.25	178	62158	3.179	ng	98
75) Fluoranthene	12.43	202	124172	5.703	ng	99
78) Pyrene	12.66	202	102875	4.212	ng	99
81) Benzo(a)anthracene	13.84	228	53290	2.395	ng	98
83) Chrysene	13.88	228	56061	2.468	ng	95
88) Benzo(b)fluoranthene	14.87	252	91746	4.295	ng	98
89) Benzo(k)fluoranthene	14.87	252	91746	4.625	ng	99
90) Benzo(a)pyrene	15.20	252	44547	2.310	ng	97

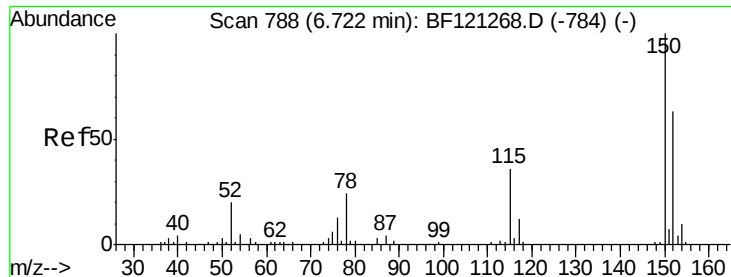
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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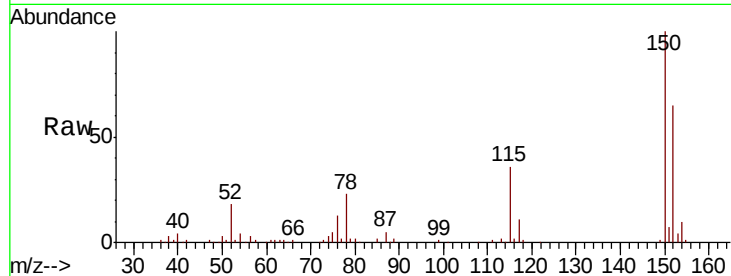


#1

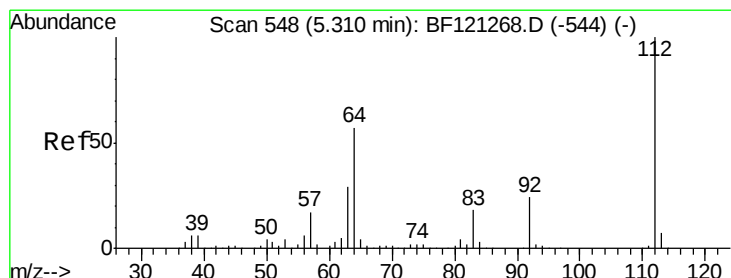
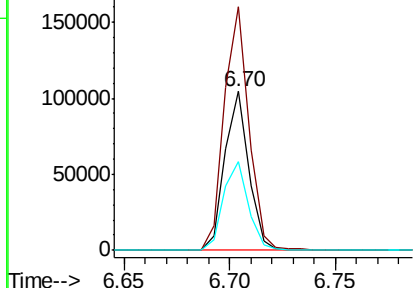
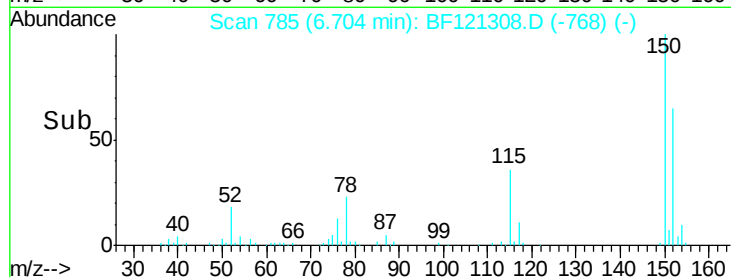
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF121308.D
Acq: 17 Aug 2020 14:14

Instrument :
BNA_F
ClientSampleId :
S706-N-SO-0-0.5-081320

Tot Ion:152 Resp: 81864
Ion Ratio Lower Upper
152 100
150 153.6 123.9 185.9
115 55.8 47.3 70.9



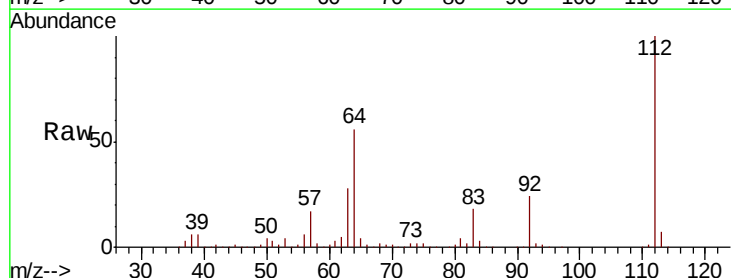
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



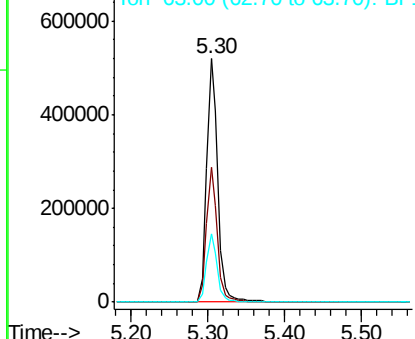
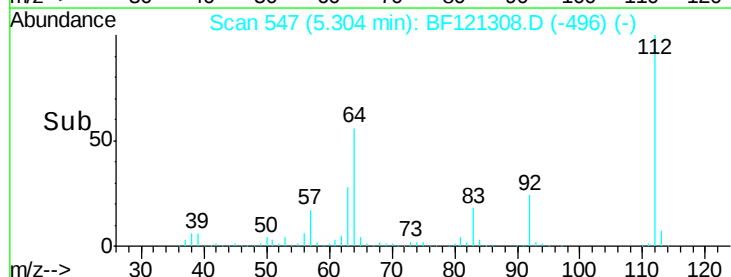
#5

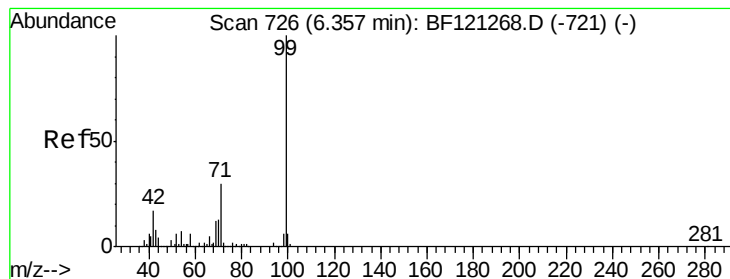
2-Fluorophenol
Concen: 96.101 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF121308.D
Acq: 17 Aug 2020 14:14

Tgt Ion:112 Resp: 518923
Ion Ratio Lower Upper
112 100
64 55.6 42.9 64.3
63 28.0 22.2 33.2



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: 90.764 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: BF121308.D

Acq: 17 Aug 2020 14:14

Instrument :

BNA_F

ClientSampleId :

S706-N-SO-0-0.5-081320

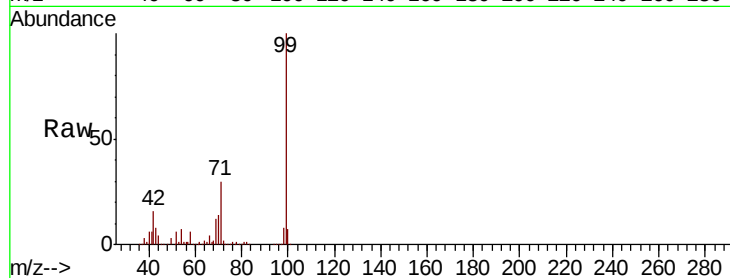
Tot Ion: 99 Resp: 631564

Ion Ratio Lower Upper

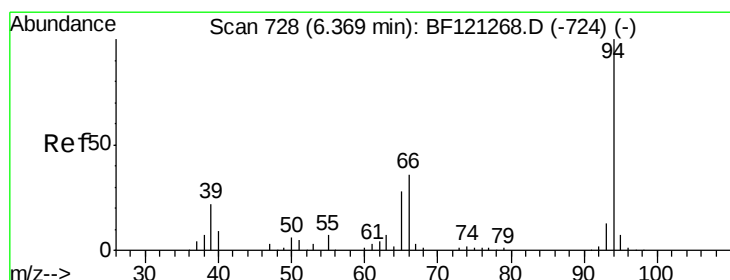
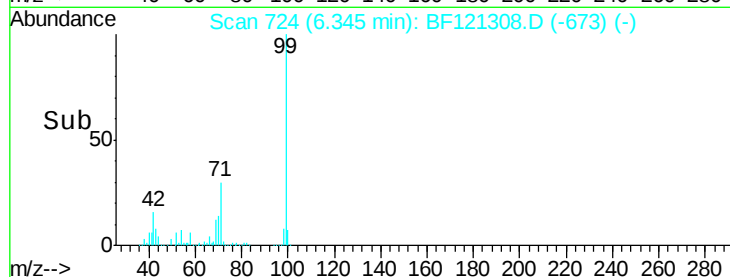
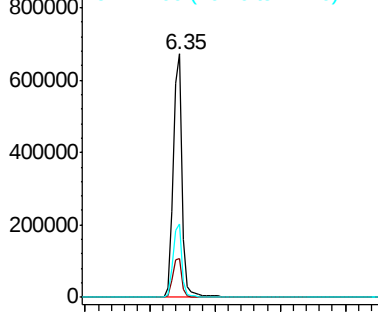
99 100

42 16.0 13.8 20.8

71 30.1 24.8 37.2



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



#10

Phenol

Concen: 2.464 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF121308.D

Acq: 17 Aug 2020 14:14

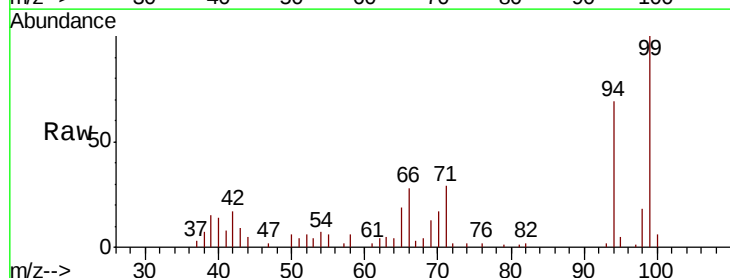
Tgt Ion: 94 Resp: 18598

Ion Ratio Lower Upper

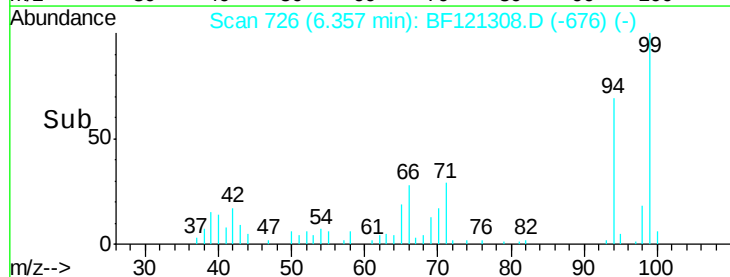
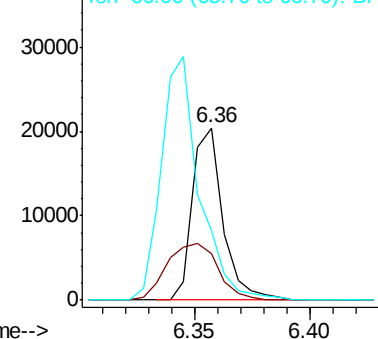
94 100

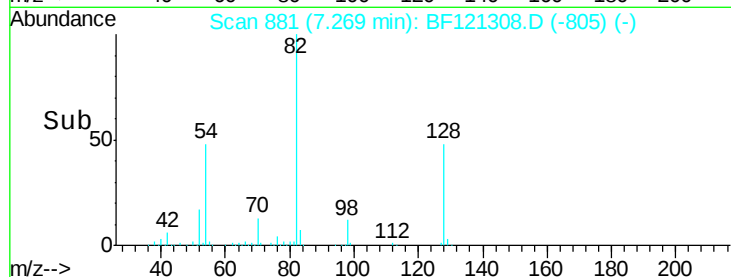
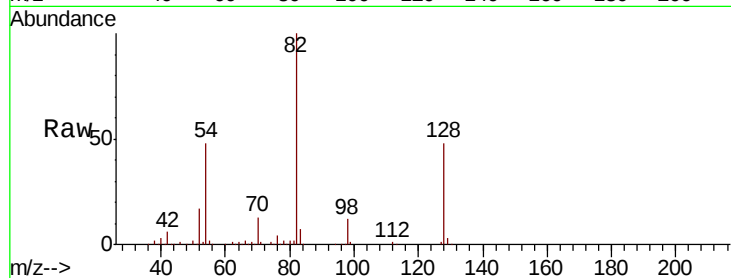
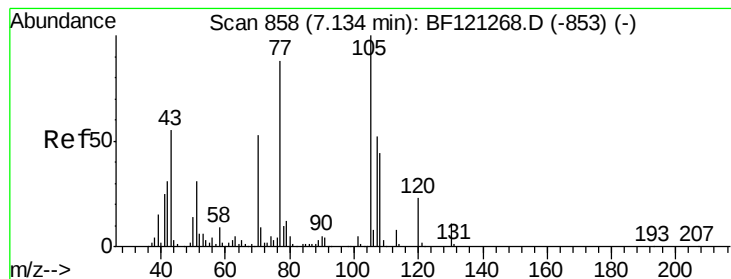
65 27.3 19.2 59.2

66 40.4 39.6 79.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 13.416 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.15 min

Lab File: BF121308.D

Acq: 17 Aug 2020 14:14

Instrument :

BNA_F

ClientSampleId :

S706-N-SO-0-0.5-081320

Tot Ion: 70 Resp: 51867

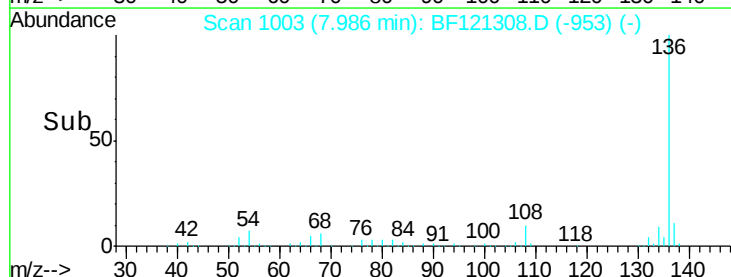
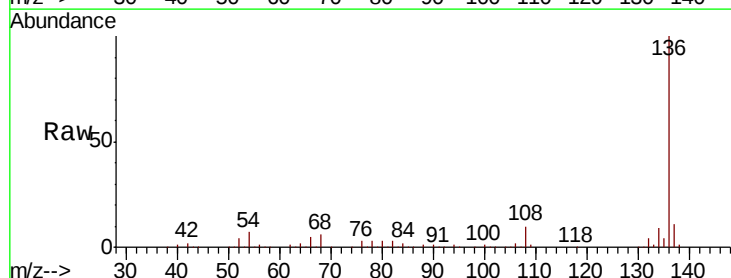
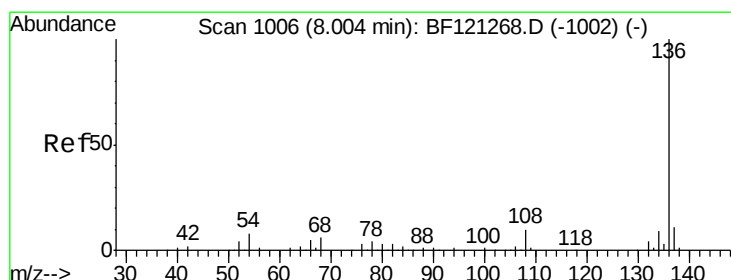
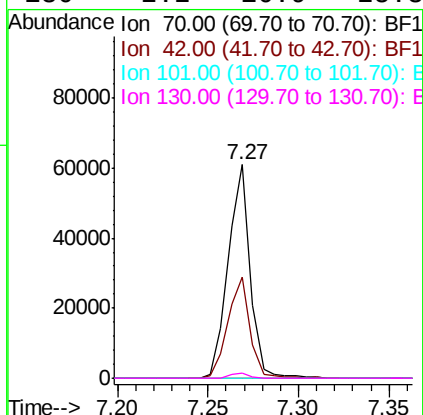
Ion Ratio Lower Upper

70 100

42 47.6 47.0 70.6

101 0.0 7.6 11.4#

130 2.2 16.9 25.3#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF121308.D

Acq: 17 Aug 2020 14:14

Tgt Ion:136 Resp: 307992

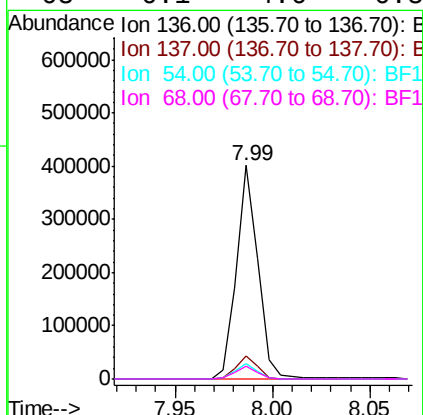
Ion Ratio Lower Upper

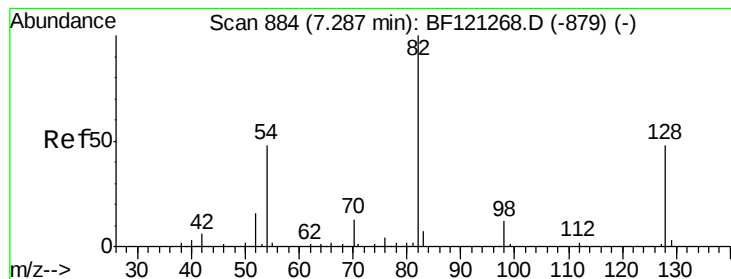
136 100

137 11.0 8.6 13.0

54 7.4 5.4 8.2

68 6.1 4.6 6.8





#23

Nitrobenzene-d5

Concen: 71.793 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF121308.D

Acq: 17 Aug 2020 14:14

Instrument :

BNA_F

ClientSampleId :

S706-N-SO-0-0.5-081320

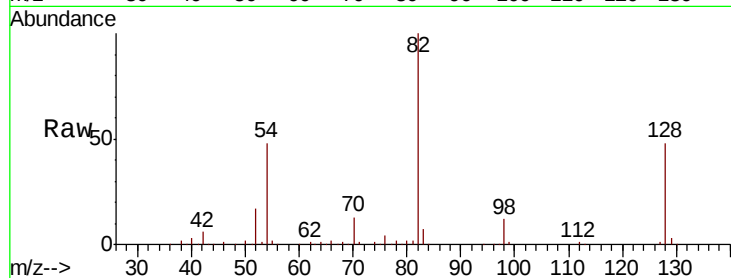
Tot Ion: 82 Resp: 404581

Ion Ratio Lower Upper

82 100

128 47.6 38.2 57.2

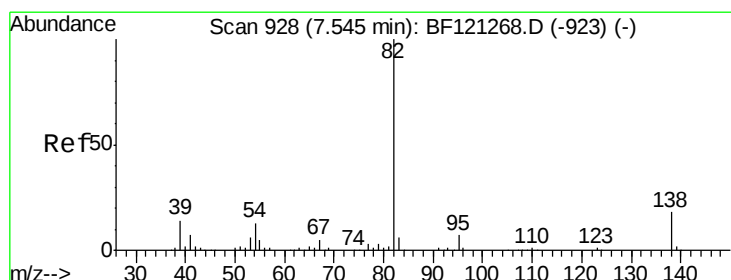
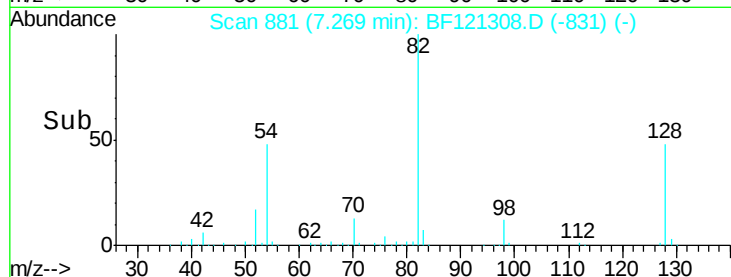
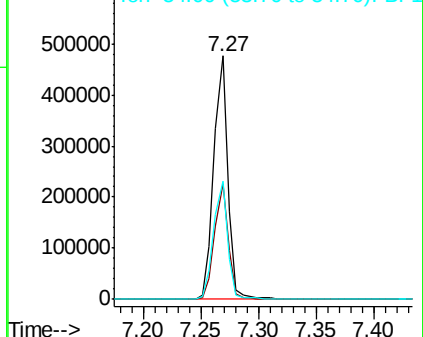
54 48.5 38.2 57.4



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: 35.758 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF121308.D

Acq: 17 Aug 2020 14:14

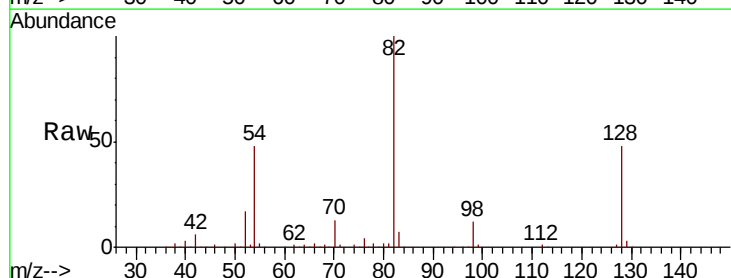
Tgt Ion: 82 Resp: 404579

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

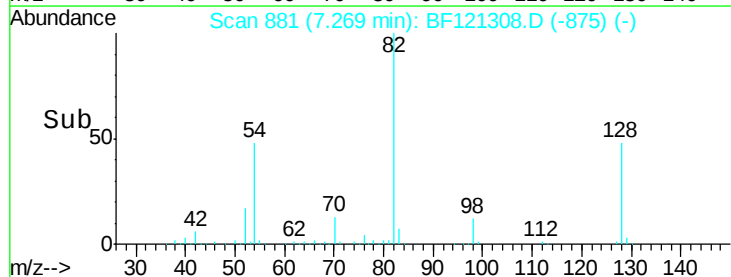
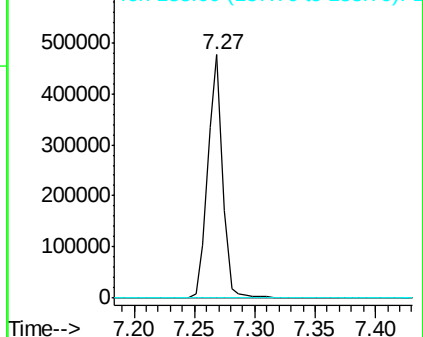
138 0.0 15.6 23.4#

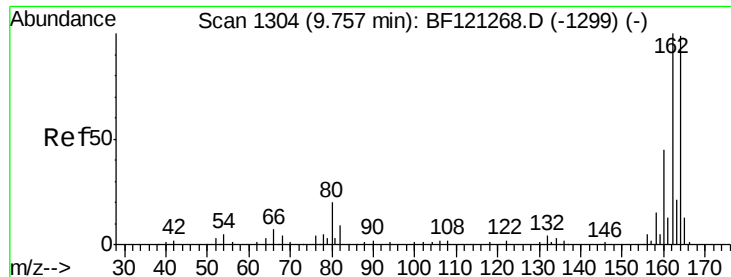


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

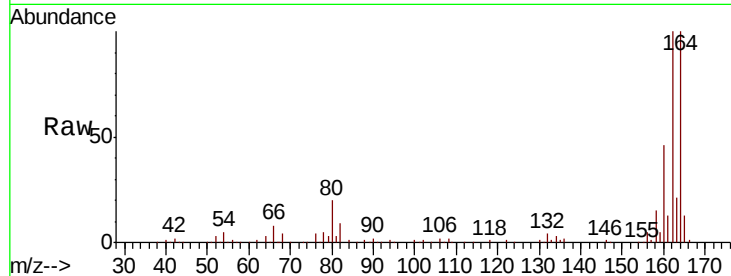




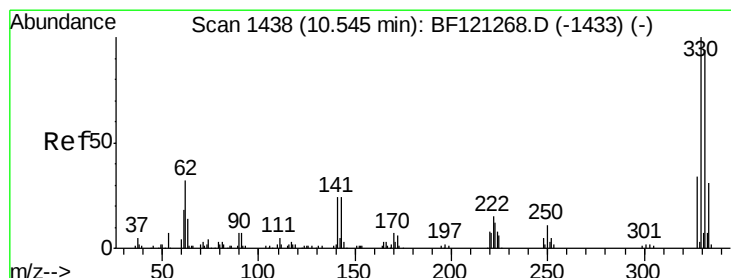
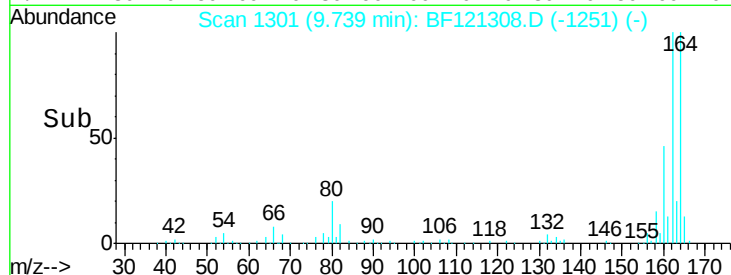
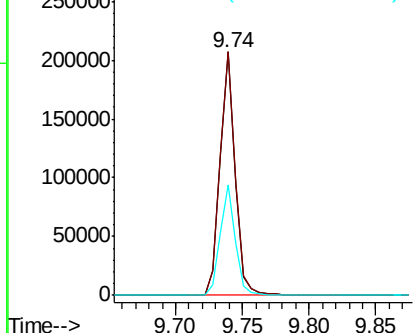
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF121308.D
Acq: 17 Aug 2020 14:14

Instrument :
BNA_F
ClientSampleId :
S706-N-SO-0-0.5-081320

Tot Ion:164 Resp: 166404
Ion Ratio Lower Upper
164 100
162 99.8 80.2 120.2
160 45.6 36.5 54.7

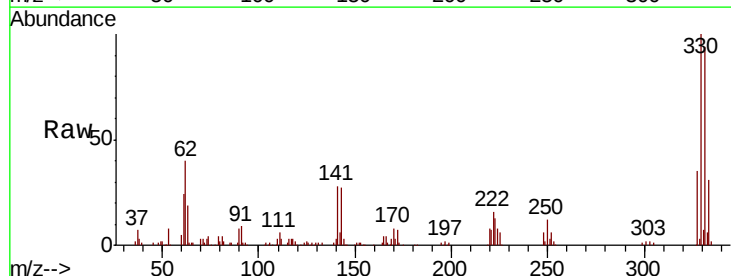


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

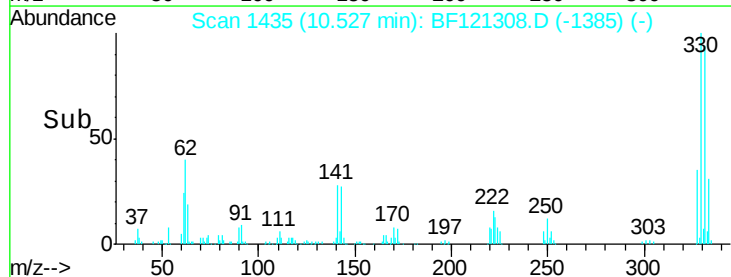
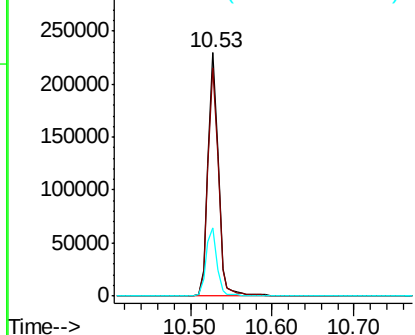


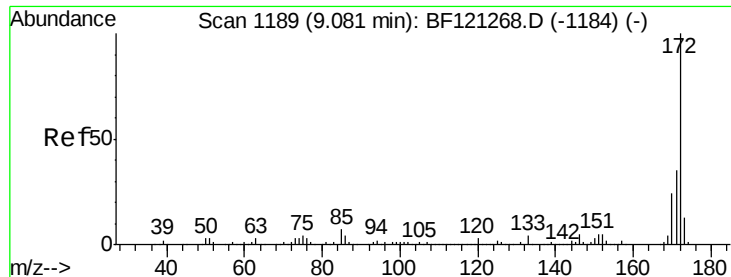
#42
2,4,6-Tribromophenol
Concen: 99.179 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF121308.D
Acq: 17 Aug 2020 14:14

Tgt Ion:330 Resp: 203194
Ion Ratio Lower Upper
330 100
332 95.2 77.4 116.0
141 29.6 24.2 36.4



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

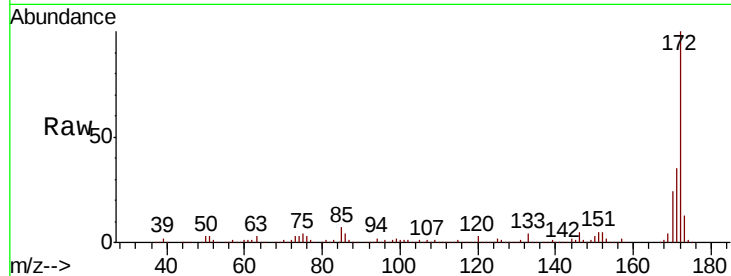




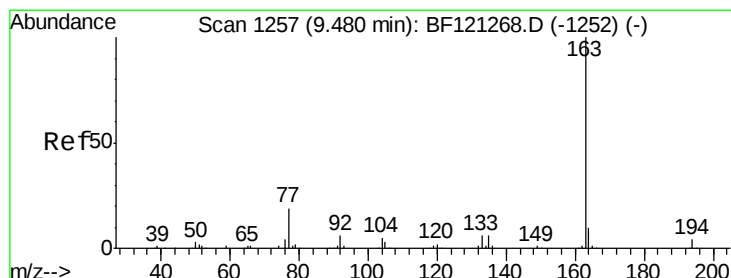
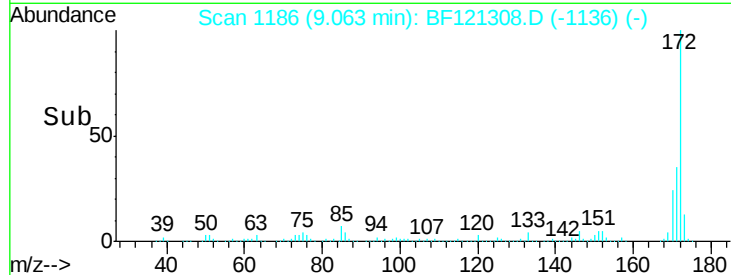
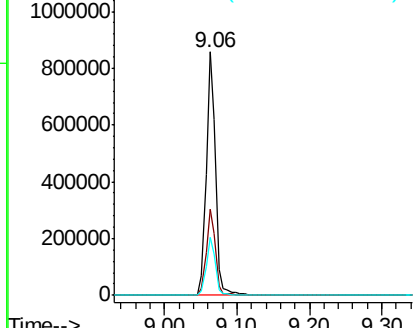
#45
 2-Fluorobiphenyl
 Concen: 63.324 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF121308.D
 Acq: 17 Aug 2020 14:14

Instrument :
 BNA_F
 ClientSampleId :
 S706-N-SO-0-0.5-081320

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.8	43.2
170	23.8	19.3	28.9

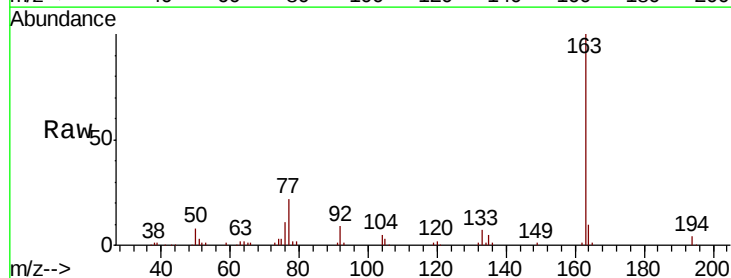


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

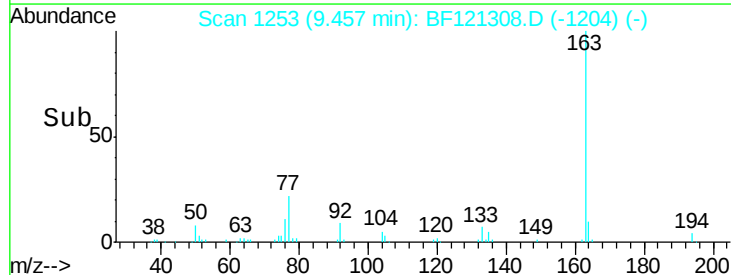
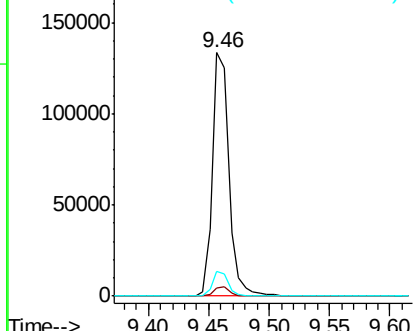


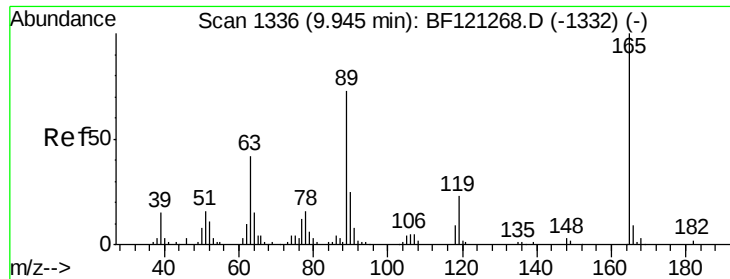
#50
 Dimethylphthalate
 Concen: 10.026 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.01 min
 Lab File: BF121308.D
 Acq: 17 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.9	4.3
164	10.3	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

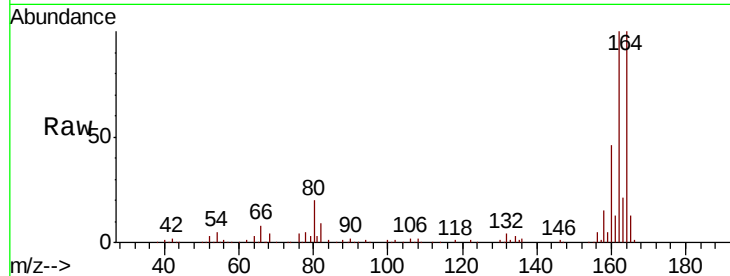




#57
 2,4-Dinitrotoluene
 Concen: 5.780 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.20 min
 Lab File: BF121308.D
 Acq: 17 Aug 2020 14:14

Instrument :
 BNA_F
 ClientSampleId :
 S706-N-SO-0-0.5-081320

Tot Ion:165	Resp:	21172
Ion Ratio	Lower	Upper
165	100	
63	0.0	31.7 47.5#
89	1.4	52.8 79.2#
182	0.0	2.1 3.1#

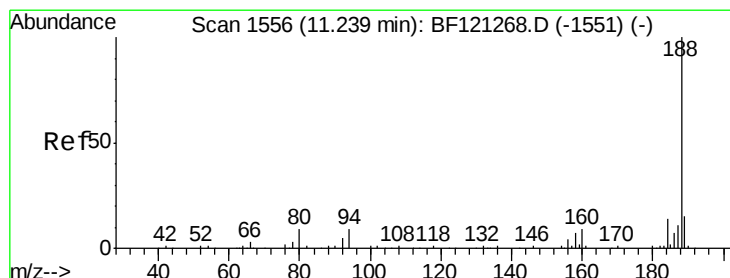
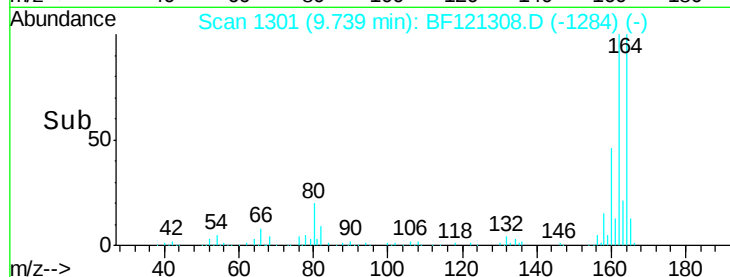
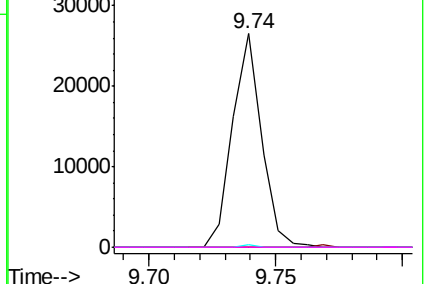


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

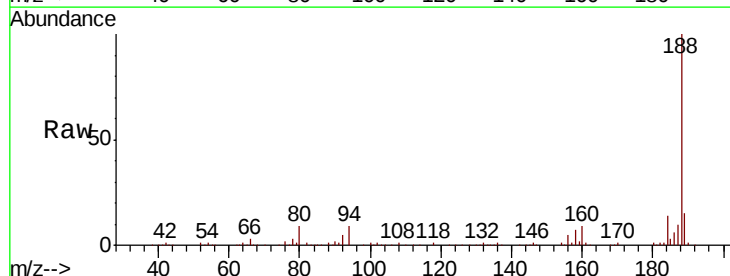
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. -0.01 min
 Lab File: BF121308.D
 Acq: 17 Aug 2020 14:14

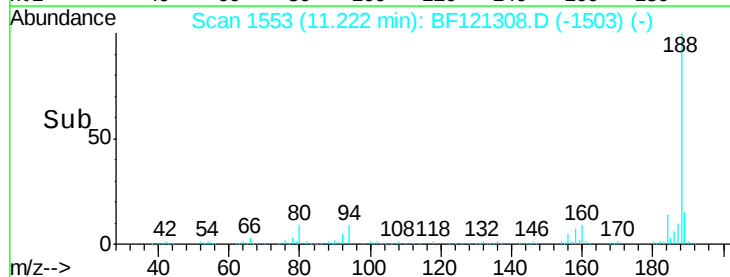
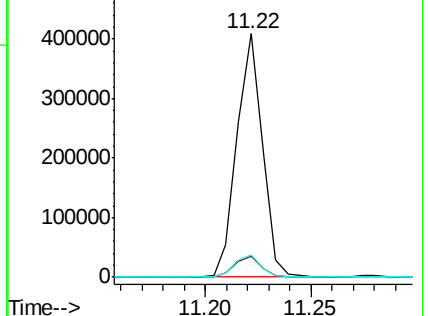
Tgt Ion:188	Resp:	341769
Ion Ratio	Lower	Upper
188	100	
94	8.7	6.4 9.6
80	9.4	7.0 10.4

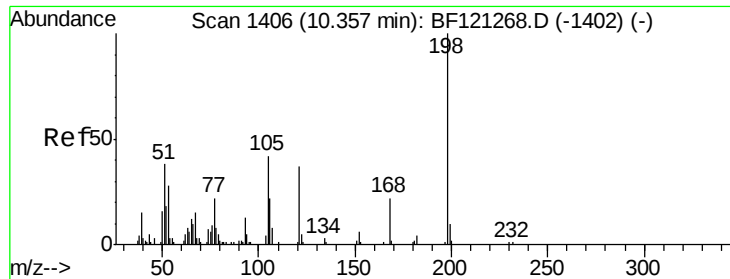


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

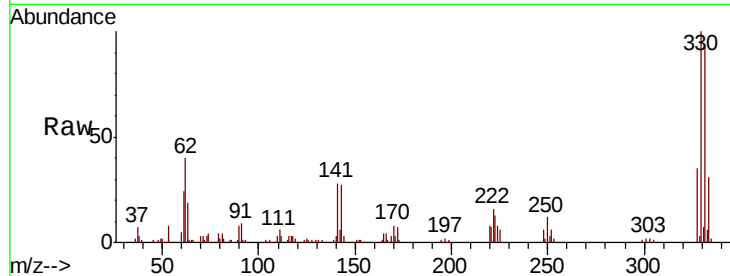




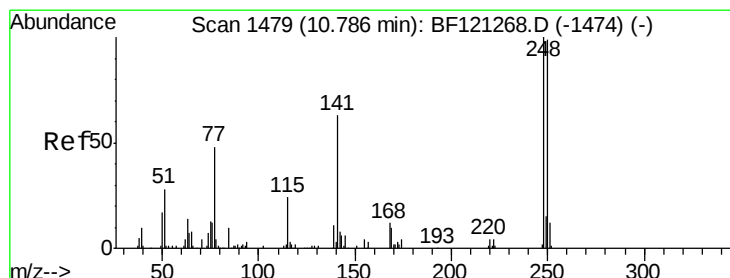
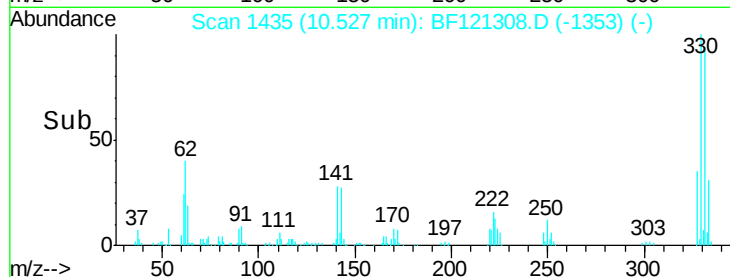
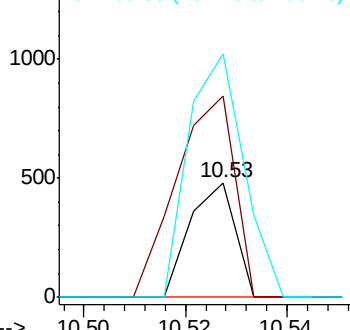
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.057 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. 0.18 min
 Lab File: BF121308.D
 Acq: 17 Aug 2020 14:14

Instrument :
 BNA_F
 ClientSampleId :
 S706-N-SO-0-0.5-081320

Tot Ion:198 Resp: 297
 Ion Ratio Lower Upper
 198 100
 51 176.5 29.1 69.1#
 105 213.1 28.5 68.5#

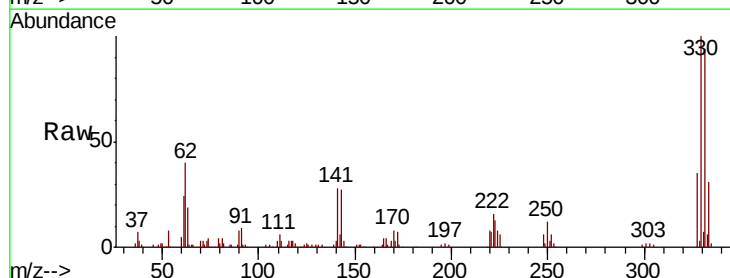


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

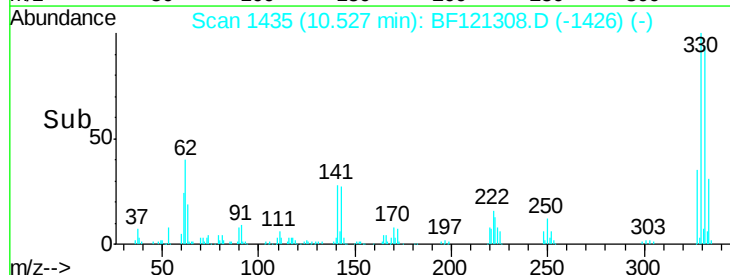
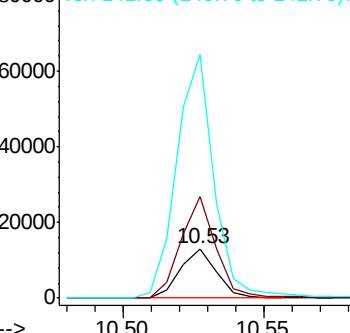


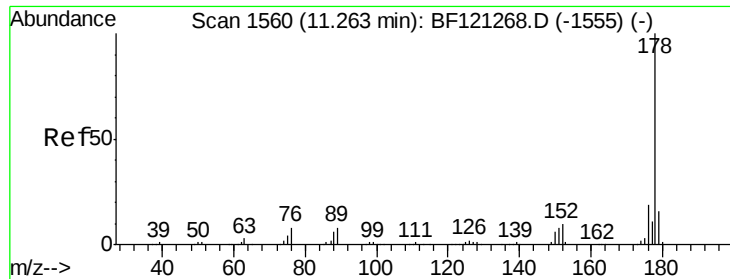
#67
 4-Bromophenyl-phenylether
 Concen: 2.908 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.25 min
 Lab File: BF121308.D
 Acq: 17 Aug 2020 14:14

Tgt Ion:248 Resp: 11595
 Ion Ratio Lower Upper
 248 100
 250 205.0 77.4 116.0#
 141 490.1 48.9 73.3#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

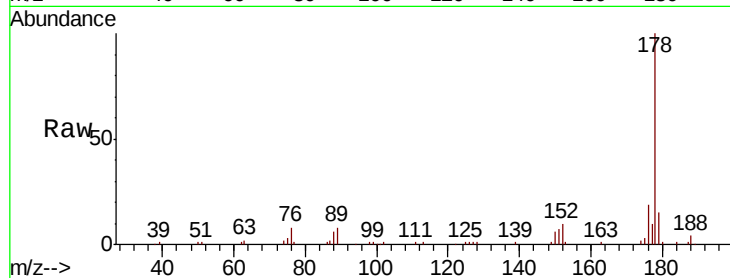




#71
Phenanthrene
Concen: 3.179 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF121308.D
Acq: 17 Aug 2020 14:14

Instrument :
BNA_F
ClientSampleId :
S706-N-SO-0-0.5-081320

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.6	23.4
179	14.9	12.3	18.5

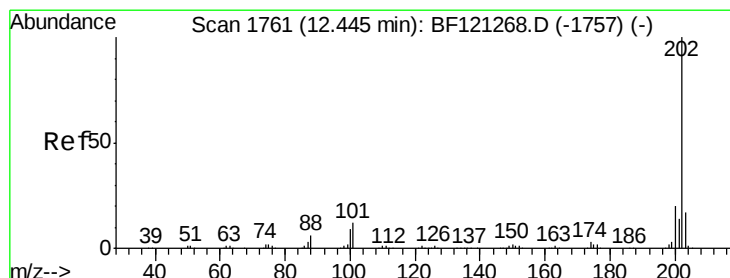
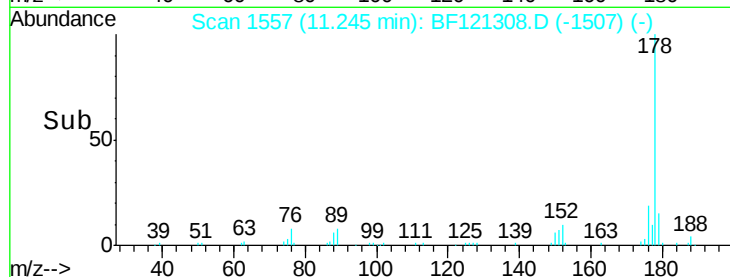
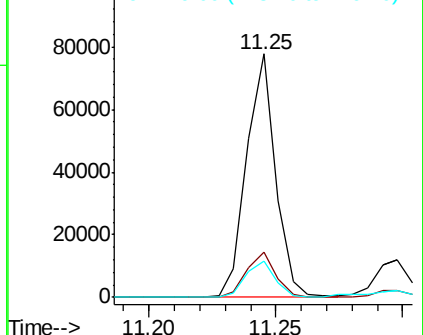


Abundance

Ion 178.00 (177.70 to 178.70): E

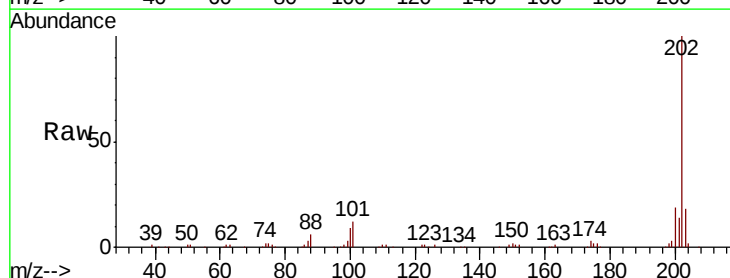
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 5.703 ng
RT: 12.43 min Scan# 1758
Delta R.T. -0.01 min
Lab File: BF121308.D
Acq: 17 Aug 2020 14:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	32.2
203	17.9	0.0	38.2

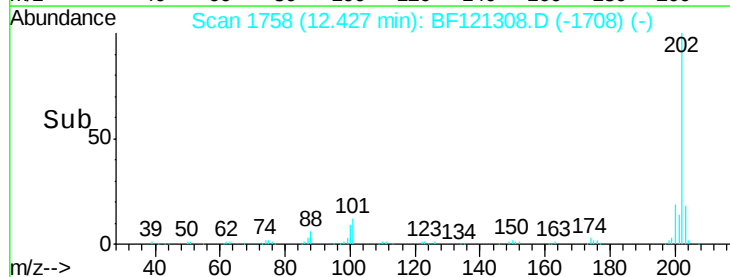
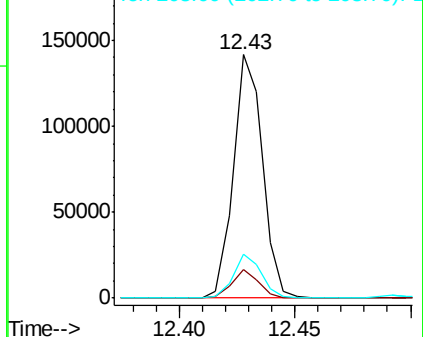


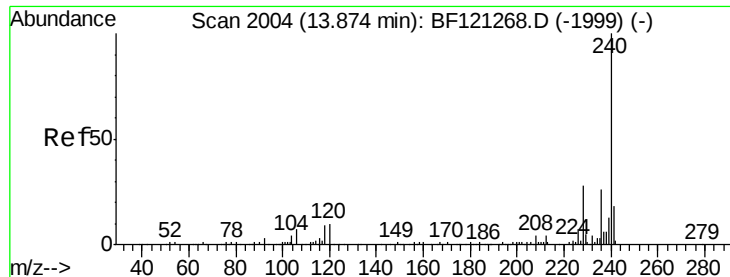
Abundance

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

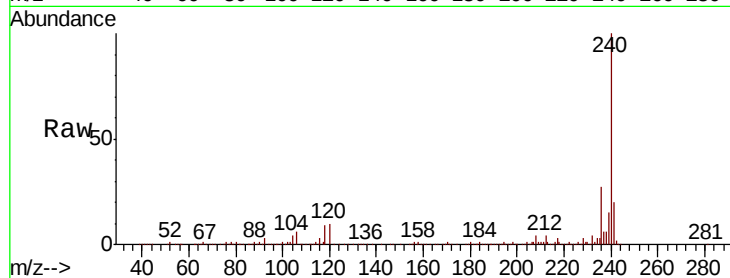




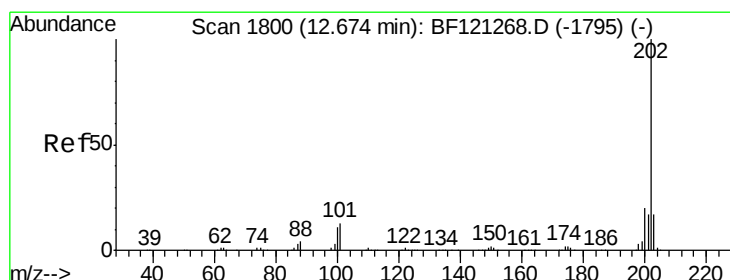
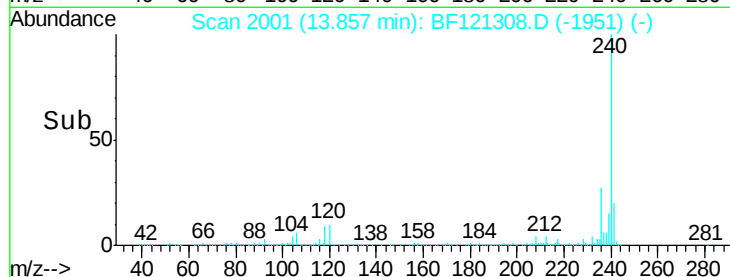
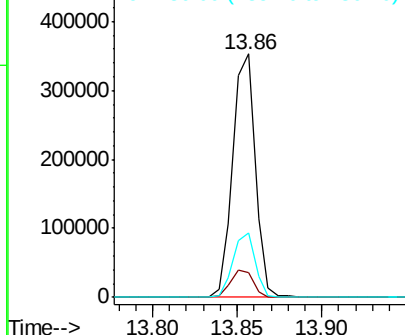
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF121308.D
Acq: 17 Aug 2020 14:14

Instrument :
BNA_F
ClientSampleId :
S706-N-SO-0-0.5-081320

Tot Ion:240 Resp: 328019
Ion Ratio Lower Upper
240 100
120 10.0 8.3 12.5
236 26.7 21.2 31.8

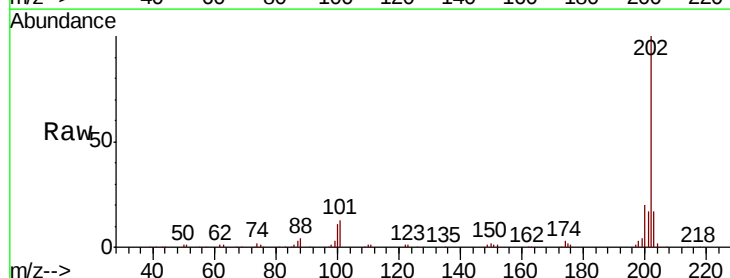


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

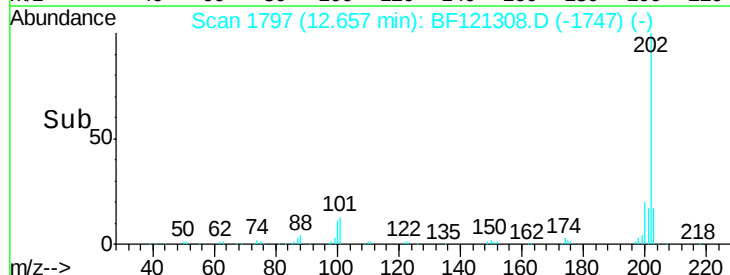
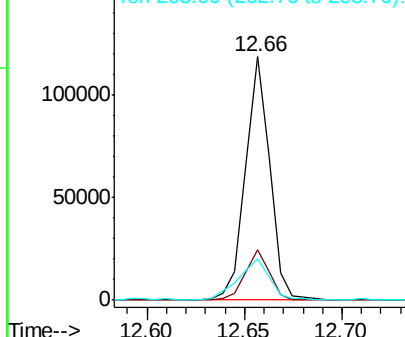


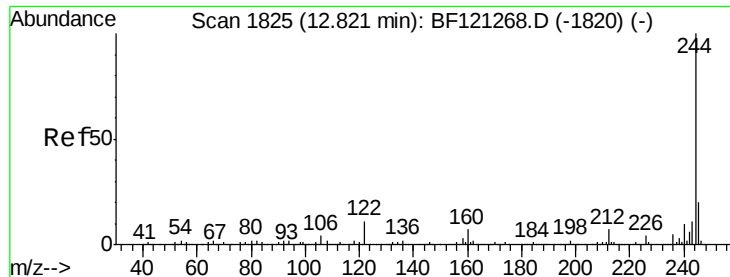
#78
Pyrene
Concen: 4.212 ng
RT: 12.66 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BF121308.D
Acq: 17 Aug 2020 14:14

Tgt Ion:202 Resp: 102875
Ion Ratio Lower Upper
202 100
200 20.4 16.4 24.6
203 17.2 14.2 21.4



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





#79

Terphenyl-d14

Concen: 51.689 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.00 min

Lab File: BF121308.D

Acq: 17 Aug 2020 14:14

Instrument :

BNA_F

ClientSampleId :

S706-N-SO-0-0.5-081320

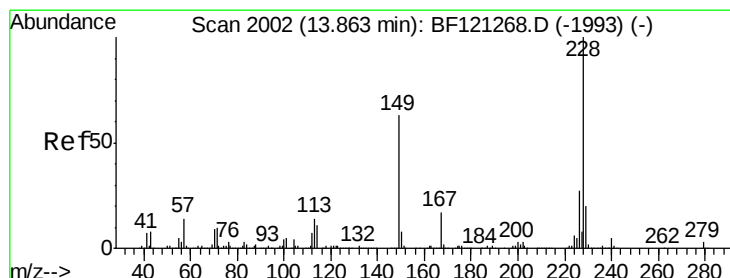
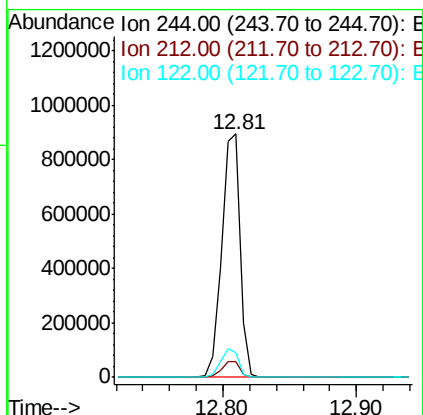
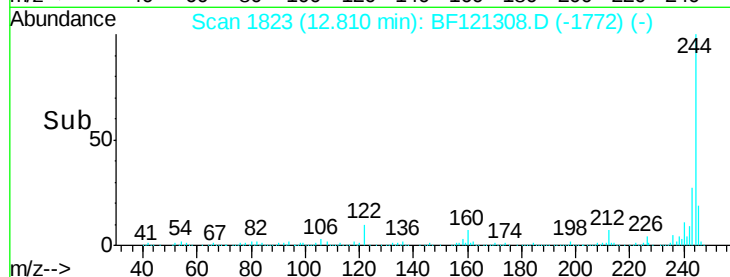
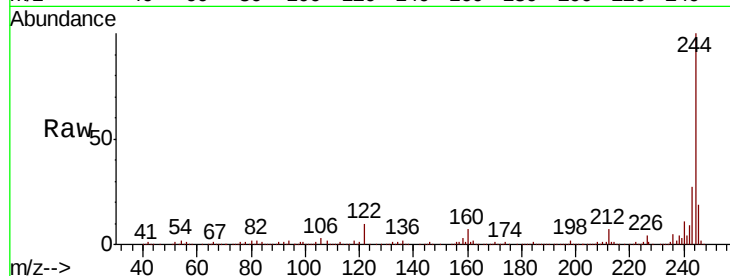
Tot Ion:244 Resp: 869775

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.0 9.0 13.6



#81

Benzo(a)anthracene

Concen: 2.395 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF121308.D

Acq: 17 Aug 2020 14:14

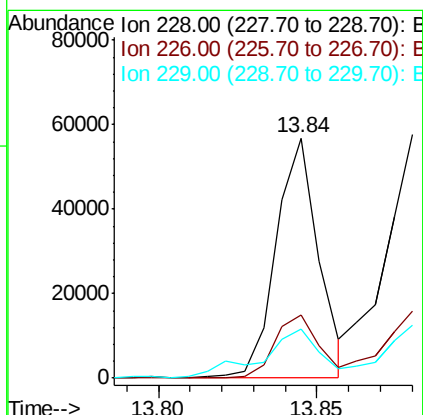
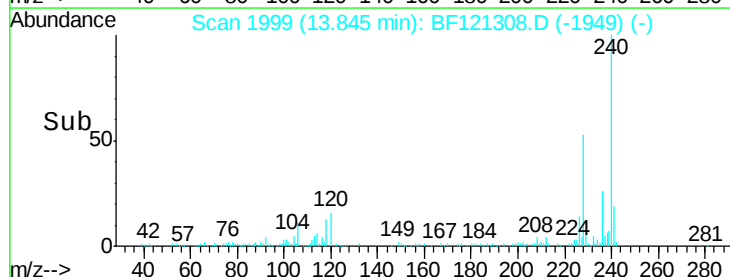
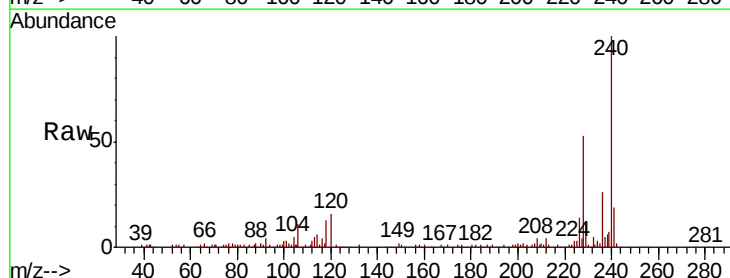
Tgt Ion:228 Resp: 53290

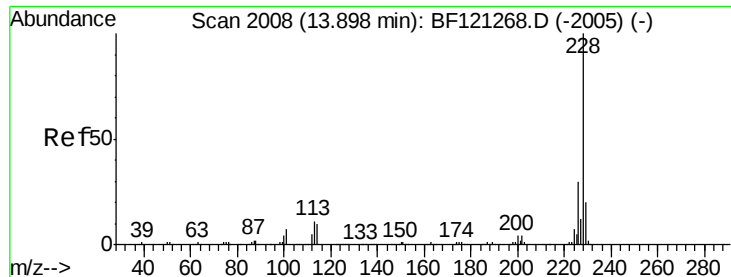
Ion Ratio Lower Upper

228 100

226 26.5 22.0 33.0

229 20.4 15.8 23.6





#83

Chrysene

Concen: 2.468 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF121308.D

Acq: 17 Aug 2020 14:14

Instrument :

BNA_F

ClientSampleId :

S706-N-SO-0-0.5-081320

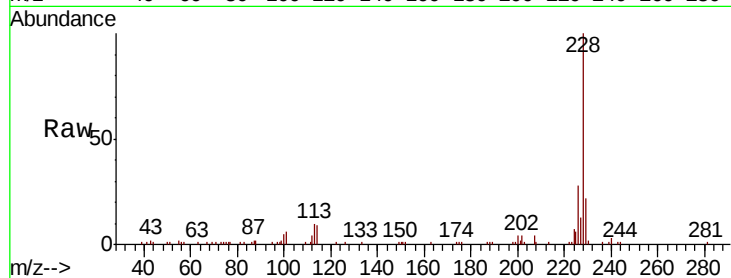
Tot Ion:228 Resp: 56061

Ion Ratio Lower Upper

228 100

226 27.6 25.3 37.9

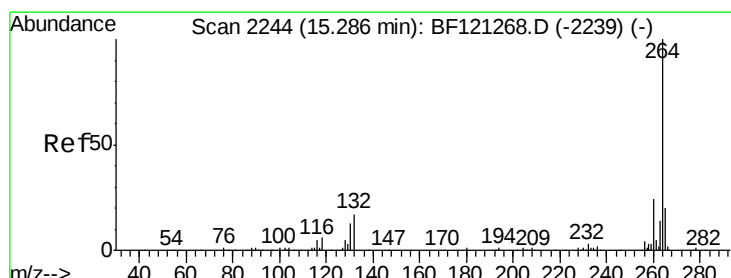
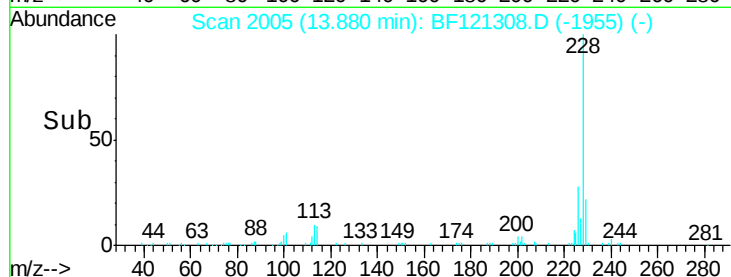
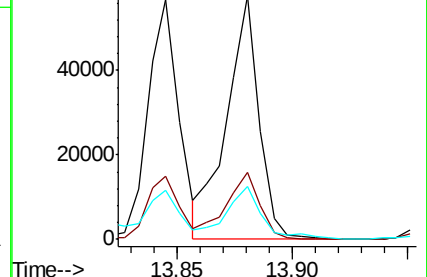
229 21.5 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2241

Delta R.T. 0.00 min

Lab File: BF121308.D

Acq: 17 Aug 2020 14:14

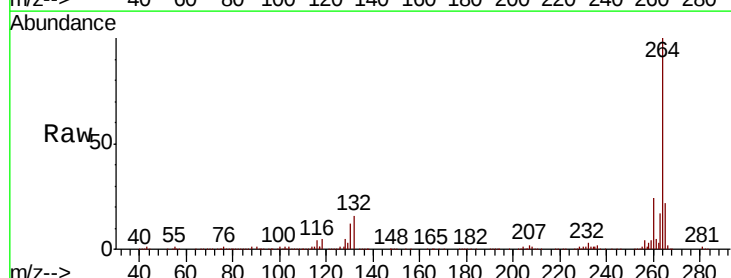
Tgt Ion:264 Resp: 318819

Ion Ratio Lower Upper

264 100

260 24.2 19.1 28.7

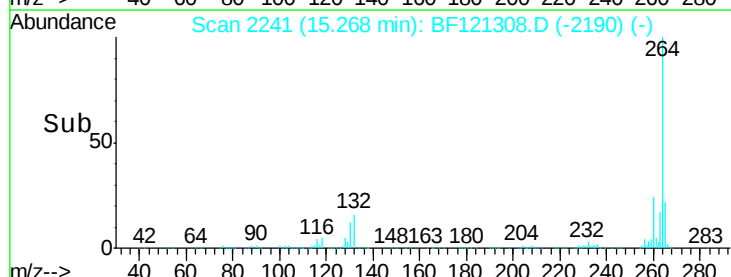
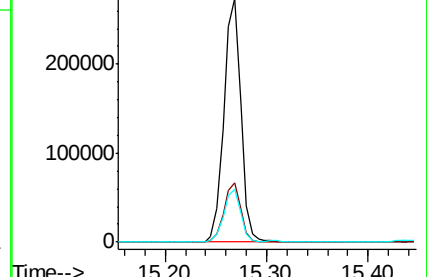
265 21.5 17.1 25.7

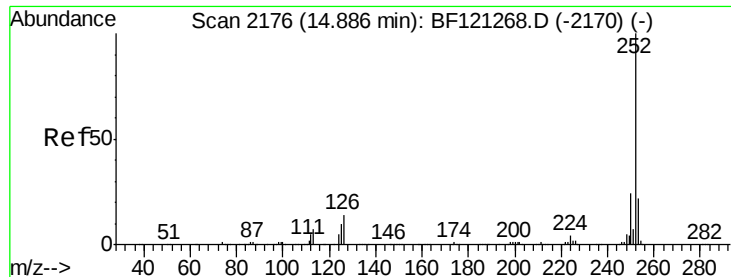


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

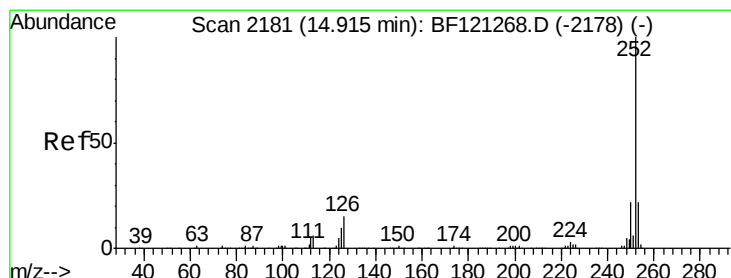
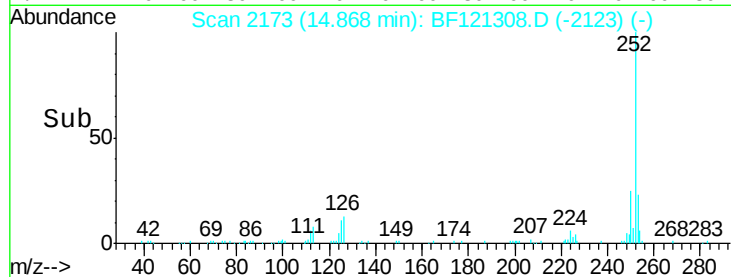
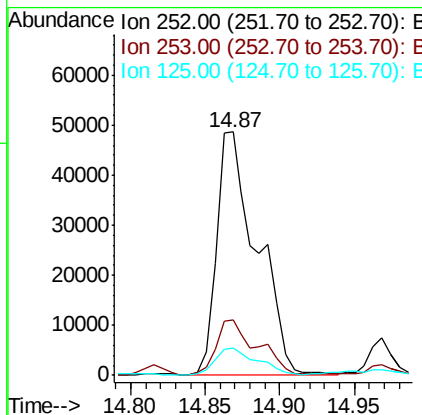
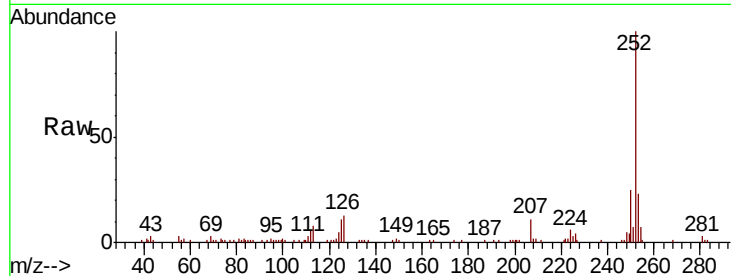




#88
Benzo(b)fluoranthene
Concen: 4.295 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF121308.D
Acq: 17 Aug 2020 14:14

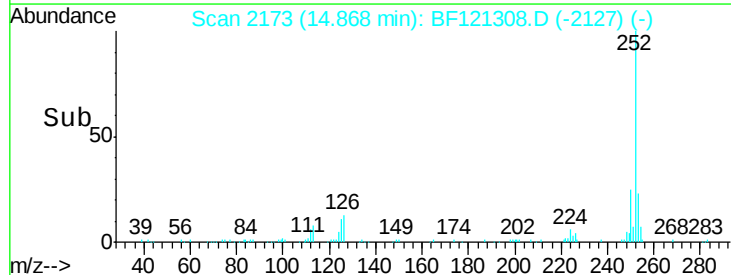
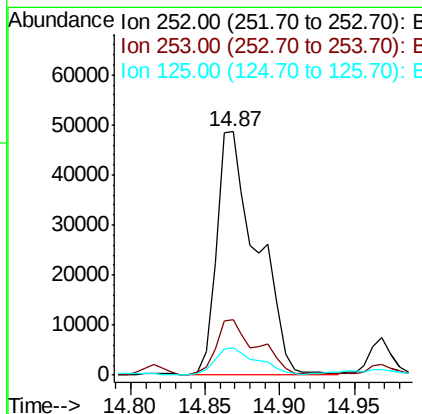
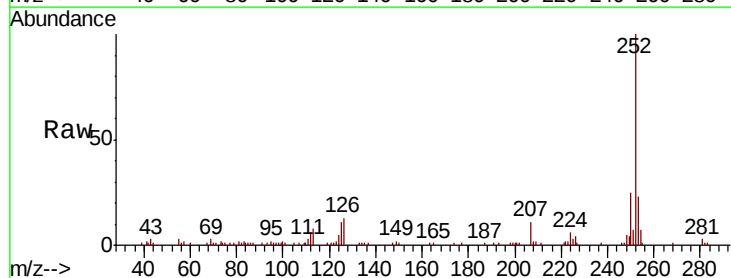
Instrument :
BNA_F
ClientSampleId :
S706-N-SO-0-0.5-081320

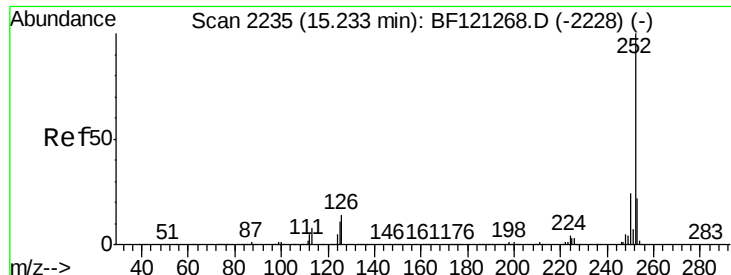
Tot Ion:252 Resp: 91746
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 11.2 7.5 11.3



#89
Benzo(k)fluoranthene
Concen: 4.625 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.03 min
Lab File: BF121308.D
Acq: 17 Aug 2020 14:14

Tgt Ion:252 Resp: 91746
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 11.2 8.2 12.4





#90
 Benzo(a)pyrene
 Concen: 2.310 ng
 RT: 15.20 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BF121308.D
 Acq: 17 Aug 2020 14:14

Instrument :
 BNA_F
 ClientSampleId :
 S706-N-SO-0-0.5-081320

Tot	Ion:252	Resp:	44547
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	11.7	8.7	13.1

