

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081720\
 Data File : BF121305.D
 Acq On : 17 Aug 2020 12:41
 Operator : JU/CG
 Sample : L3660-08 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-58

Quant Time: Aug 17 13:43:18 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	92260	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	356490	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	187839	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	370237	20.00	ng	0.00
76) Chrysene-d12	13.86	240	323995	20.00	ng	0.00
86) Perylene-d12	15.27	264	307378	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	209178	34.37	ng	0.00
7) Phenol-d6	6.34	99	252670	32.22	ng	0.00
23) Nitrobenzene-d5	7.26	82	161987	24.83	ng	-0.01
42) 2,4,6-Tribromophenol	10.53	330	79634	34.43	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	333164	24.53	ng	0.00
79) Terphenyl-d14	12.80	244	395496	23.80	ng	0.00

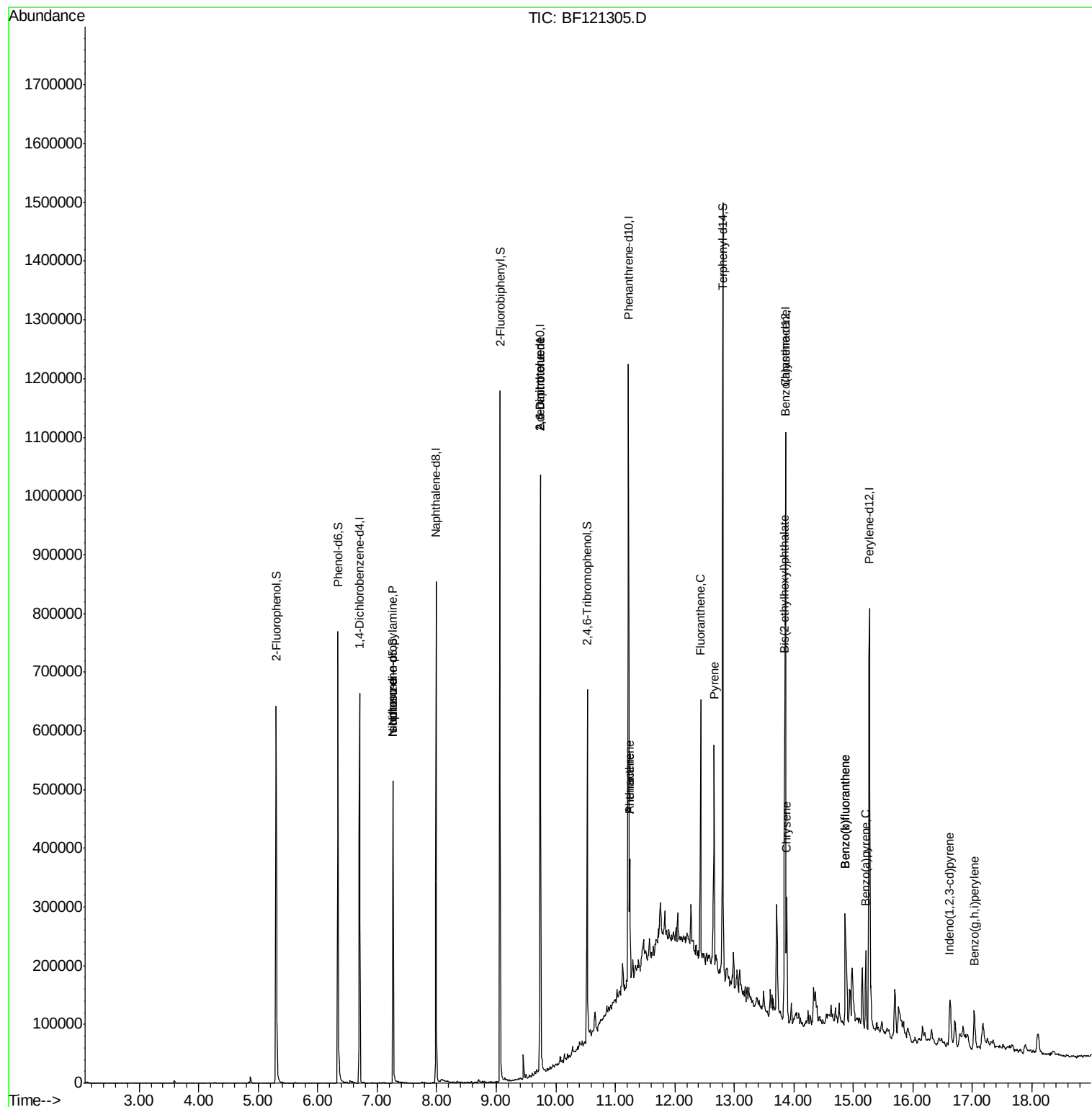
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	20691	4.749	ng	# 77
25) Isophorone	7.26	82	161986	12.369	ng	# 63
51) 2,6-Dinitrotoluene	9.74	165	24605	7.809	ng	# 26
57) 2,4-Dinitrotoluene	9.74	165	24605	5.950	ng	# 27
71) Phenanthrene	11.25	178	69530	3.283	ng	99
72) Anthracene	11.25	178	69530	3.271	ng	98
75) Fluoranthene	12.43	202	181238	7.684	ng	97
78) Pyrene	12.66	202	156908	6.503	ng	99
81) Benzo(a)anthracene	13.84	228	72825	3.314	ng	100
83) Chrysene	13.88	228	81244	3.621	ng	97
84) Bis(2-ethylhexyl)phthalate	13.84	149	29449	2.168	ng	99
87) Indeno(1,2,3-cd)pyrene	16.62	276	49413	2.162	ng	98
88) Benzo(b)fluoranthene	14.86	252	132510	6.434	ng	# 96
89) Benzo(k)fluoranthene	14.86	252	132510	6.928	ng	97
90) Benzo(a)pyrene	15.21	252	63429	3.412	ng	99
92) Benzo(g,h,i)perylene	17.03	276	48442	2.507	ng	98

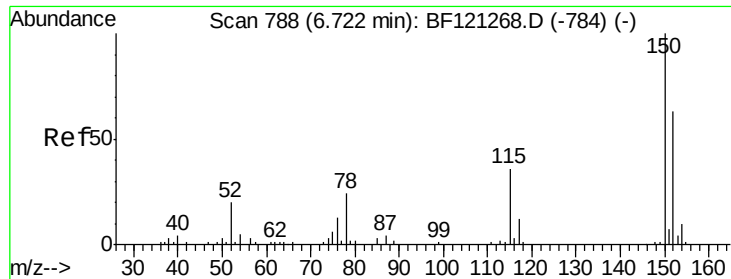
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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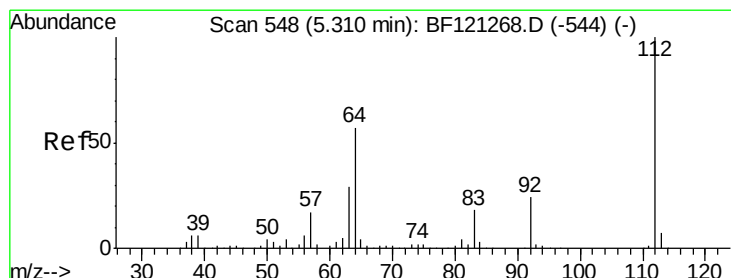
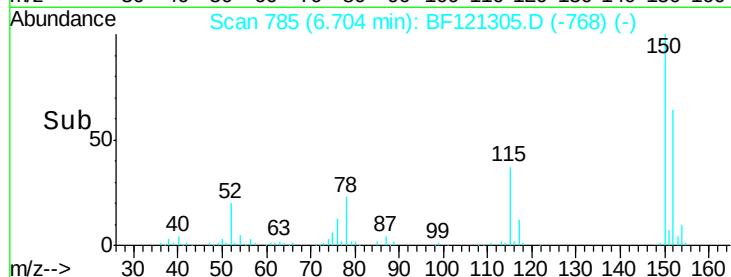
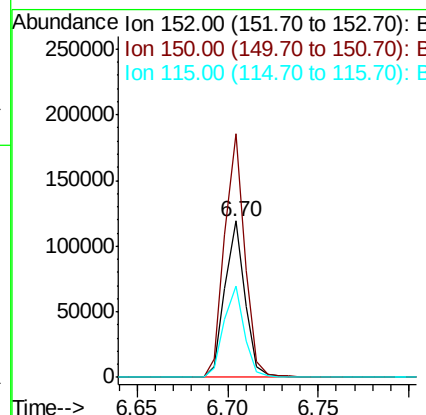
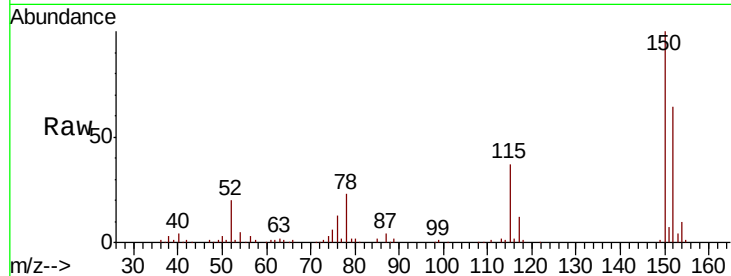




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: BF121305.D
 Acq: 17 Aug 2020 12:41

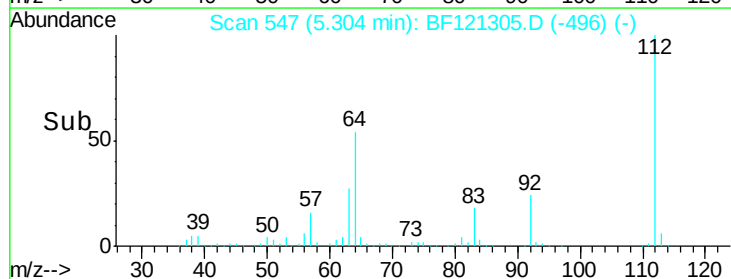
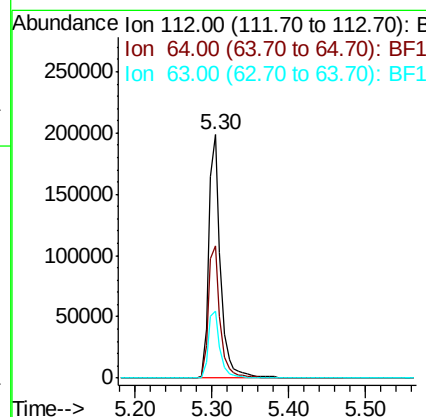
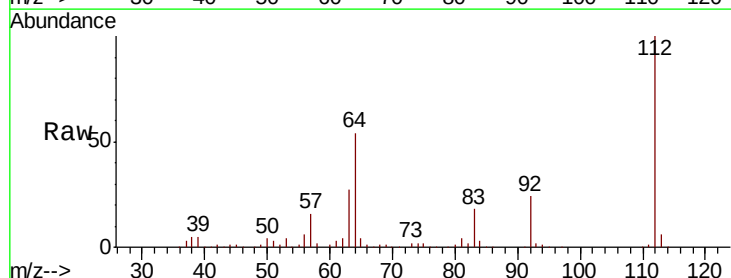
Instrument :
 BNA_F
 ClientSampled :
 RBR-58

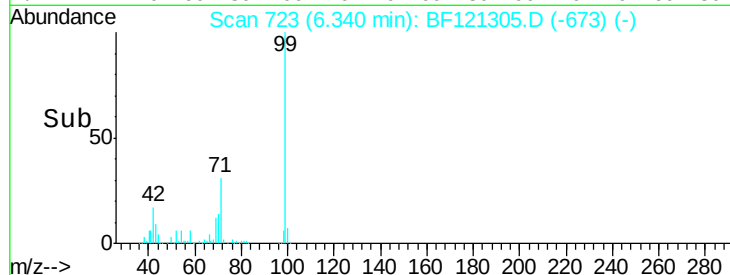
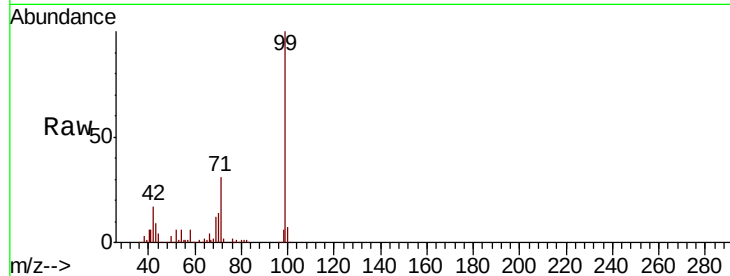
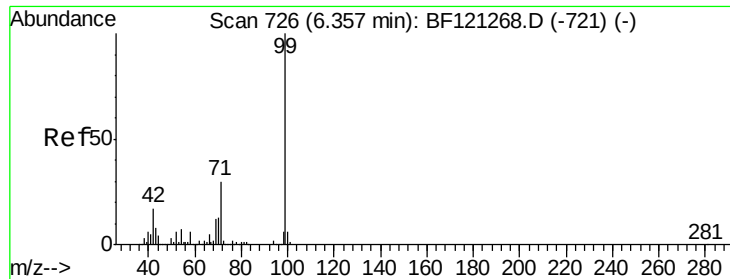
Tot Ion:152 Resp: 92260
 Ion Ratio Lower Upper
 152 100
 150 155.7 123.9 185.9
 115 58.3 47.3 70.9



#5
 2-Fluorophenol
 Concen: 34.373 ng
 RT: 5.30 min Scan# 547
 Delta R.T. 0.00 min
 Lab File: BF121305.D
 Acq: 17 Aug 2020 12:41

Tgt Ion:112 Resp: 209178
 Ion Ratio Lower Upper
 112 100
 64 54.2 42.9 64.3
 63 27.4 22.2 33.2





#7

Phenol-d6

Concen: 32.220 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

Instrument :

BNA_F

ClientSampleId :

RBR-58

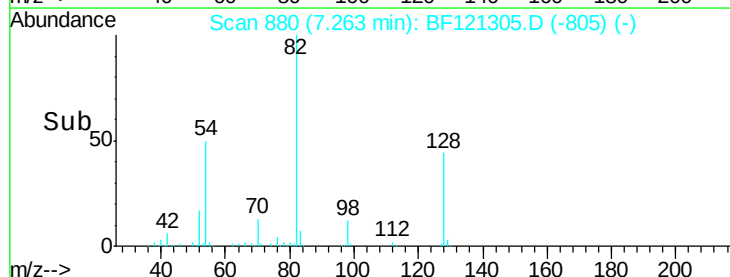
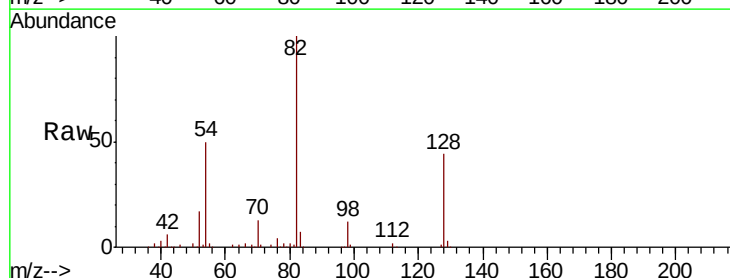
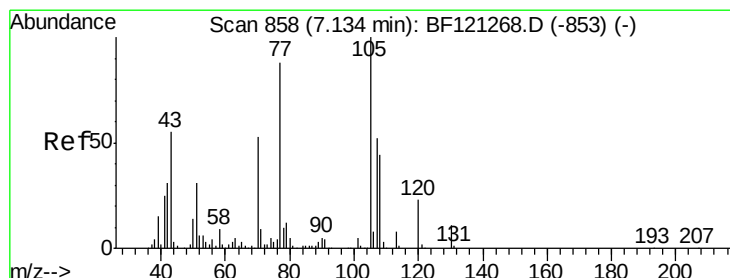
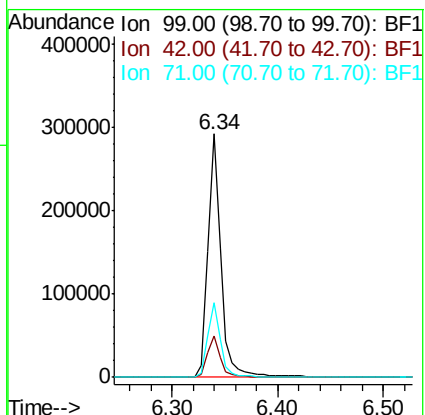
Tot Ion: 99 Resp: 252670

Ion Ratio Lower Upper

99 100

42 16.9 13.8 20.8

71 30.6 24.8 37.2



#19

n-Nitroso-di-n-propylamine

Concen: 4.749 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

Tgt Ion: 70 Resp: 20691

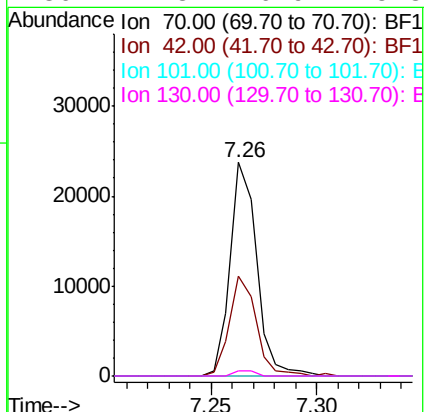
Ion Ratio Lower Upper

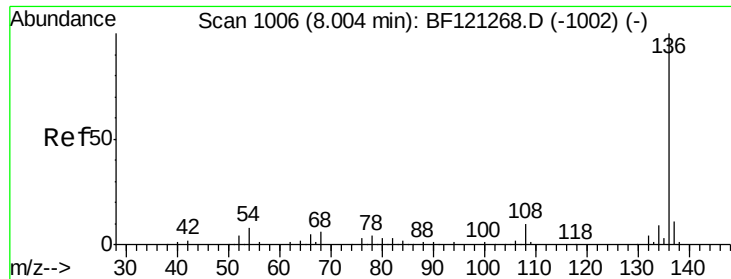
70 100

42 46.9 47.0 70.6#

101 0.0 7.6 11.4#

130 2.3 16.9 25.3#

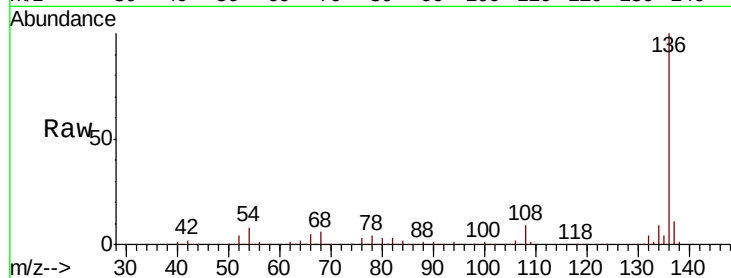




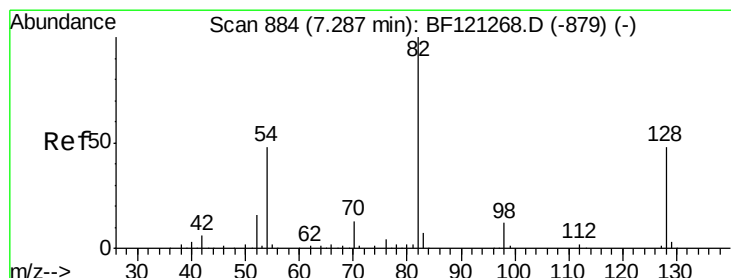
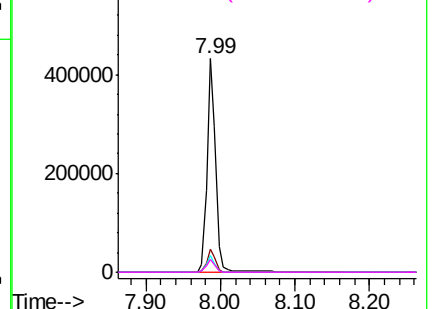
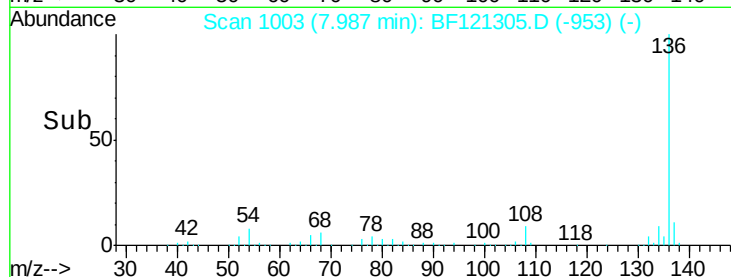
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF121305.D
Acq: 17 Aug 2020 12:41

Instrument :
BNA_F
ClientSampleId :
RBR-58

Tot Ion:136	Resp:	356490
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.6 13.0
54	7.6	5.4 8.2
68	6.0	4.6 6.8

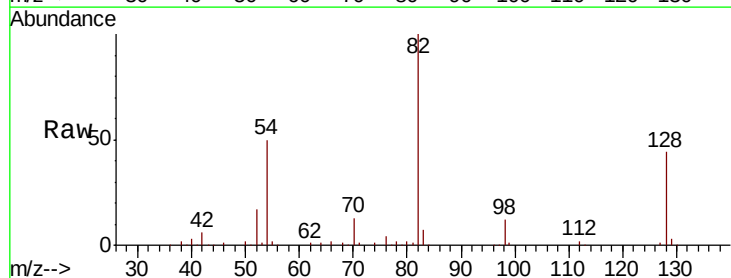


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

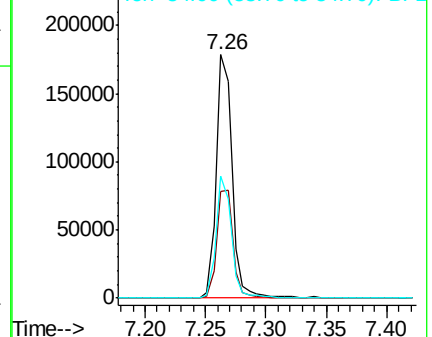
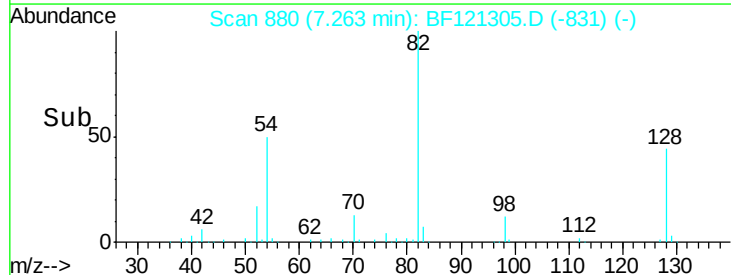


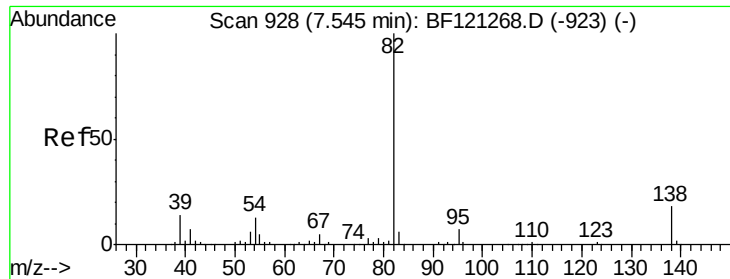
#23
Nitrobenzene-d5
Concen: 24.834 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF121305.D
Acq: 17 Aug 2020 12:41

Tgt Ion: 82	Resp:	161987
Ion	Ratio	Lower Upper
82	100	
128	44.0	38.2 57.2
54	50.2	38.2 57.4



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





#25

Isophorone

Concen: 12.369 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.27 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

Instrument :

BNA_F

ClientSampled :

RBR-58

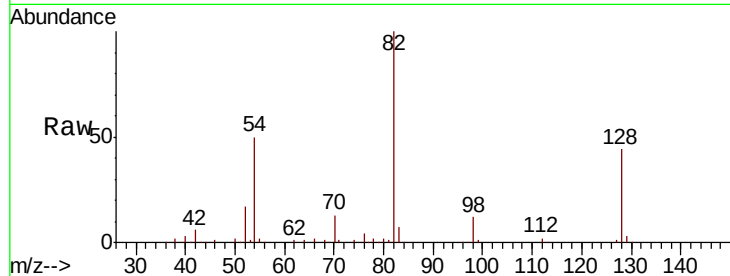
Tot Ion: 82 Resp: 161986

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

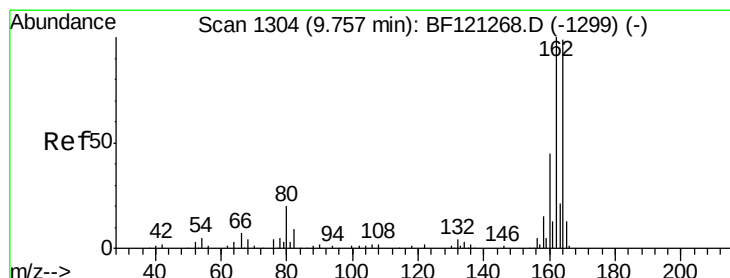
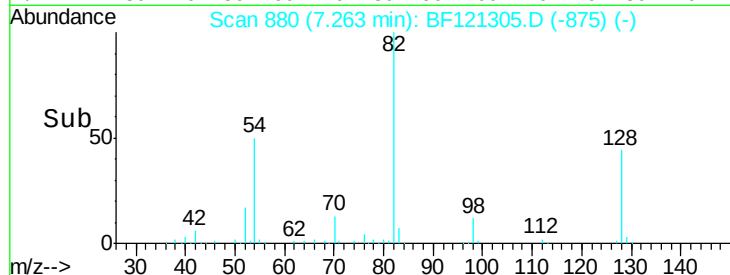
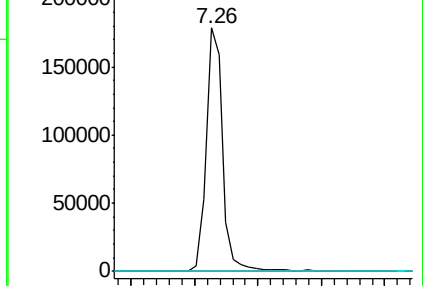
138 0.0 15.6 23.4#



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: BF121305.D

Acq: 17 Aug 2020 12:41

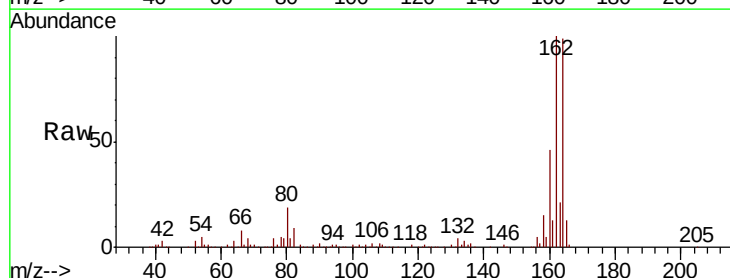
Tgt Ion:164 Resp: 187839

Ion Ratio Lower Upper

164 100

162 100.5 80.2 120.2

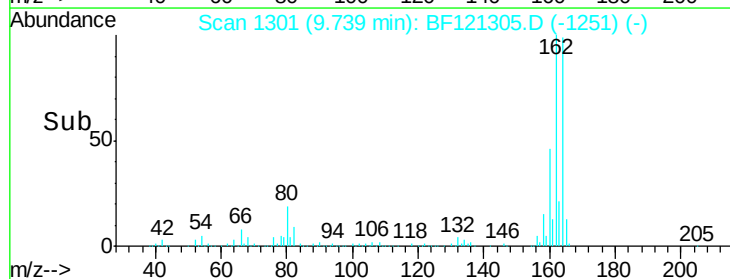
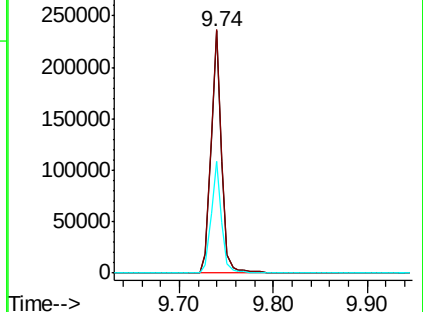
160 46.3 36.5 54.7

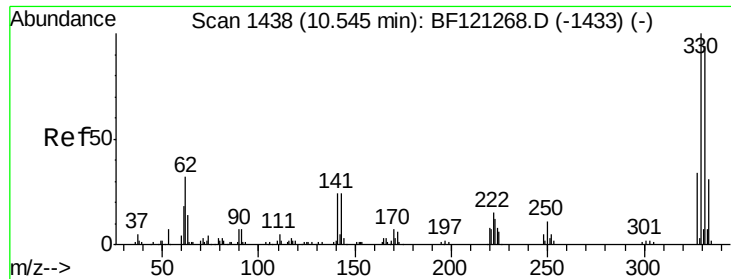


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

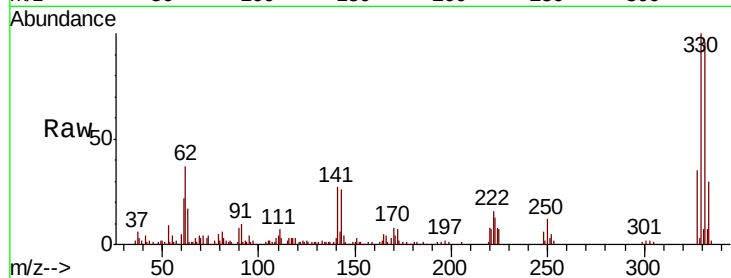




#42
 2,4,6-Tribromophenol
 Concen: 34.434 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF121305.D
 Acq: 17 Aug 2020 12:41

Instrument :
 BNA_F
 ClientSampleId :
 RBR-58

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.4	116.0
141	33.0	24.2	36.4

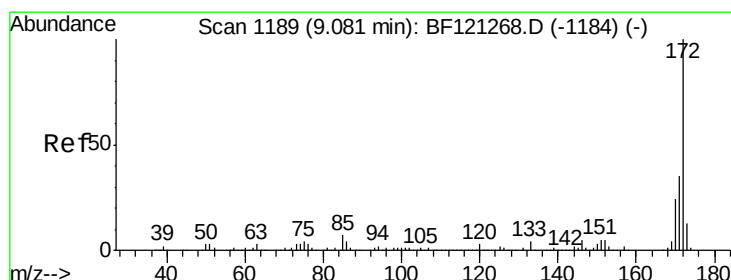
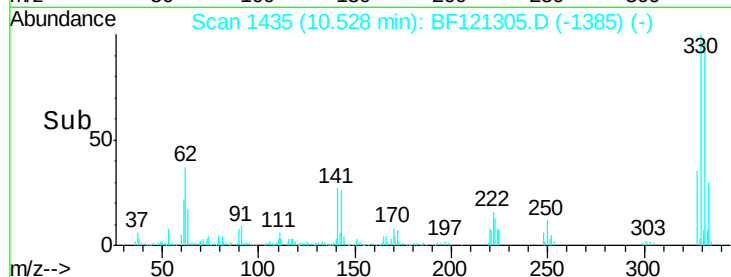
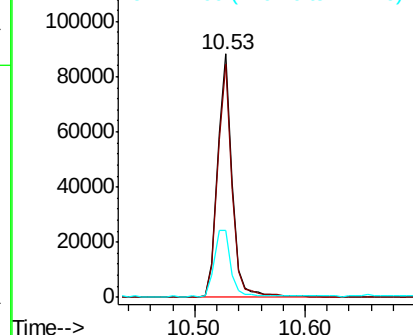


Abundance

Ion 329.80 (329.50 to 330.50): E

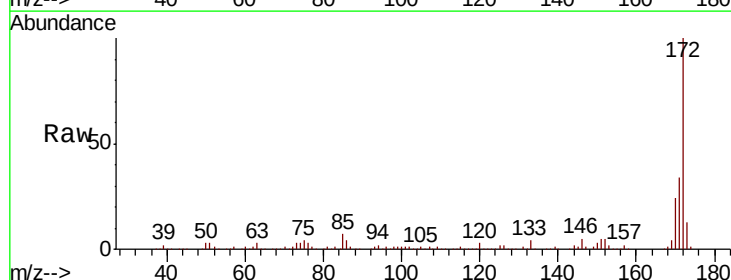
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 24.535 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF121305.D
 Acq: 17 Aug 2020 12:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.8	43.2
170	23.9	19.3	28.9

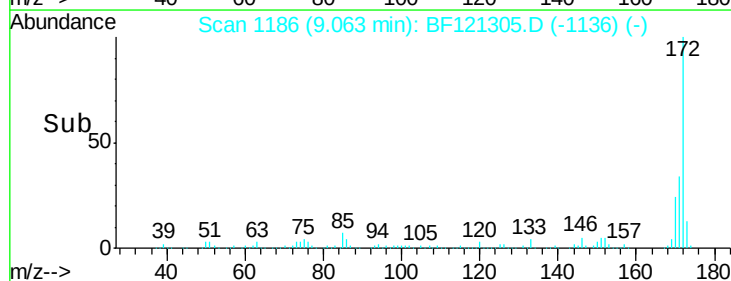
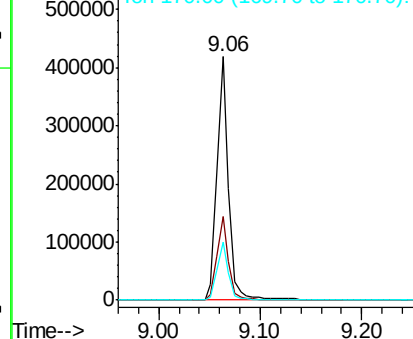


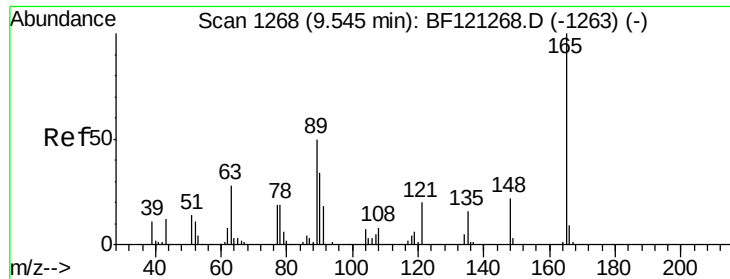
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 7.809 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.21 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

Instrument :

BNA_F

ClientSampleId :

RBR-58

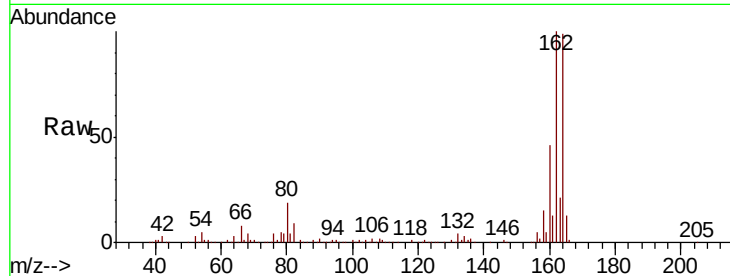
Tot Ion:165 Resp: 24605

Ion Ratio Lower Upper

165 100

63 1.0 42.0 63.0#

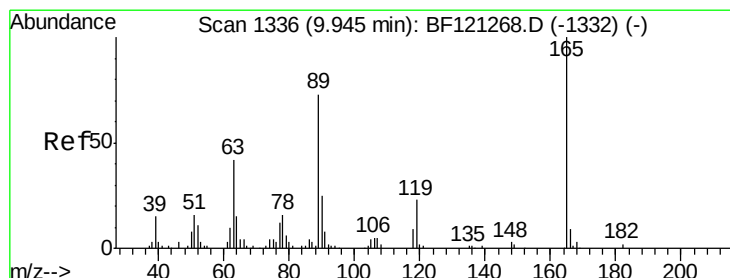
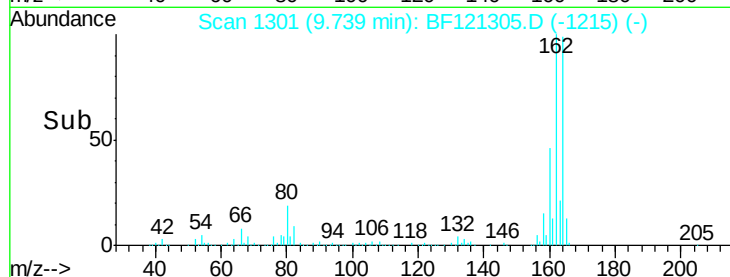
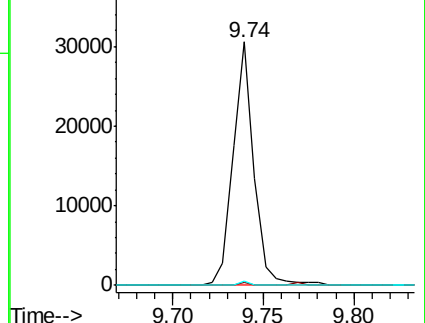
89 1.5 44.7 67.1#



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



#57

2,4-Dinitrotoluene

Concen: 5.950 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.20 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

Tgt Ion:165 Resp: 24605

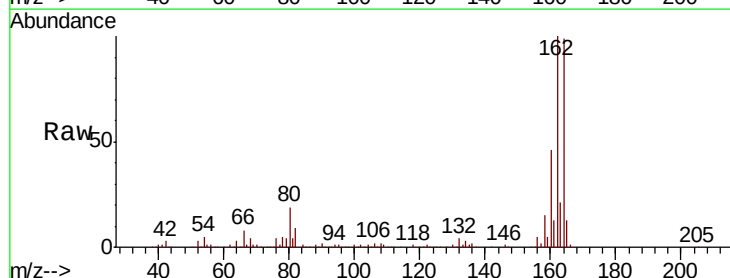
Ion Ratio Lower Upper

165 100

63 1.0 31.7 47.5#

89 1.5 52.8 79.2#

182 0.0 2.1 3.1#

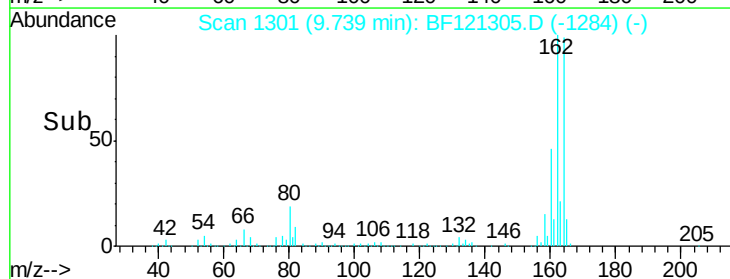
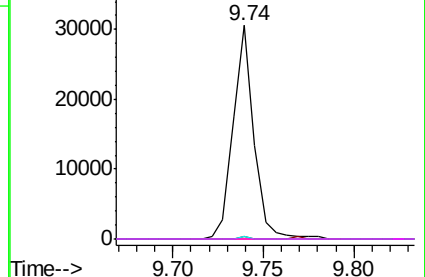


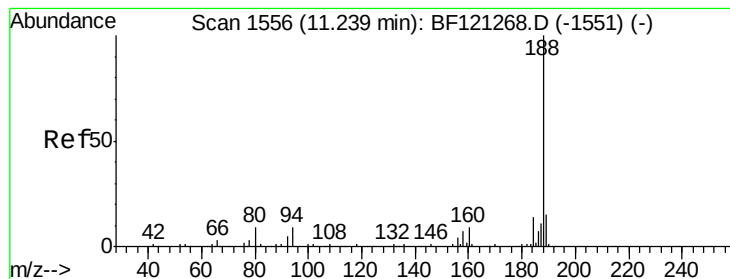
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF121305.D

Acq: 17 Aug 2020 12:41

Instrument :

BNA_F

ClientSampleId :

RBR-58

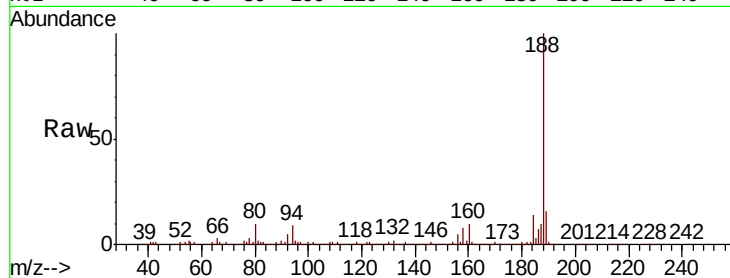
Tot Ion:188 Resp: 370237

Ion Ratio Lower Upper

188 100

94 9.5 6.4 9.6

80 9.6 7.0 10.4



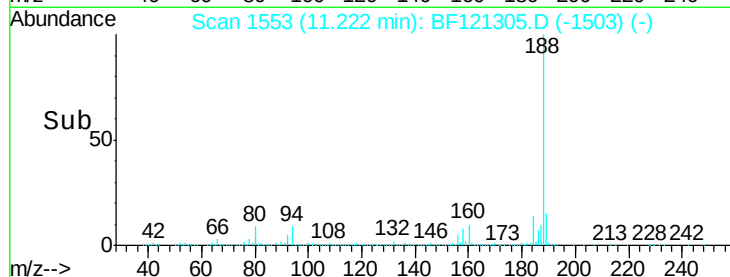
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

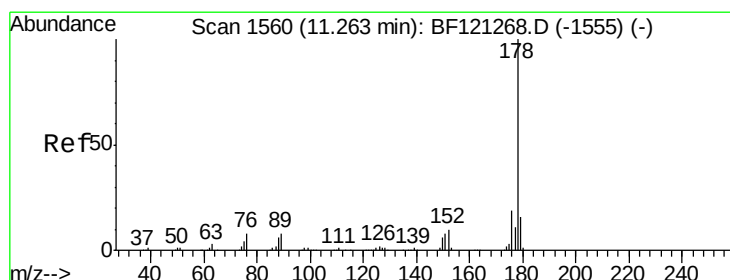
Ion 80.00 (79.70 to 80.70): BF1

11.22

Time-->



Time-->



#71

Phenanthrene

Concen: 3.283 ng

RT: 11.25 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

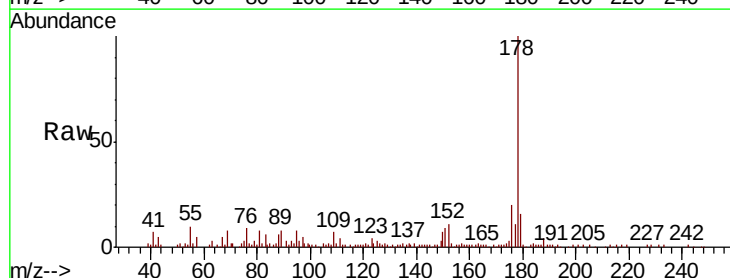
Tgt Ion:178 Resp: 69530

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

179 16.3 12.3 18.5



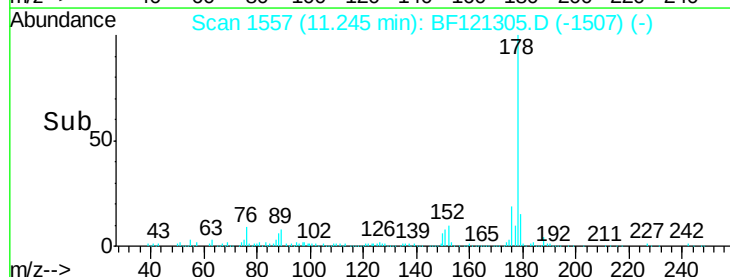
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

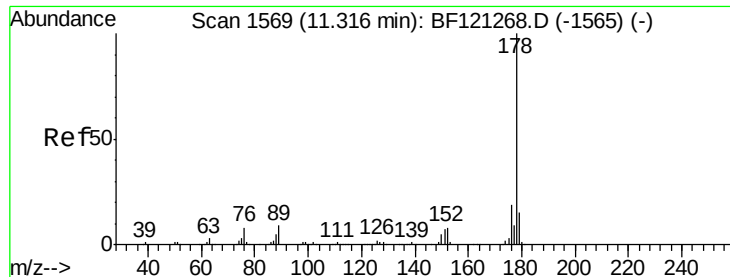
Ion 179.00 (178.70 to 179.70): E

11.25

Time-->



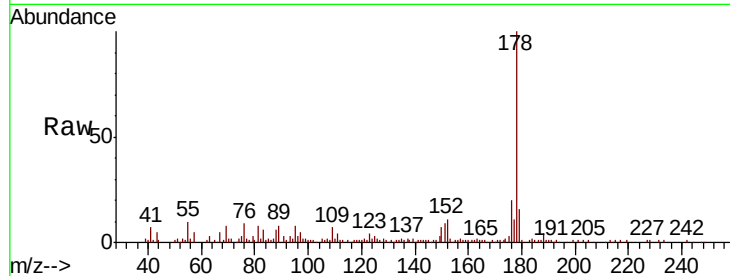
Time-->



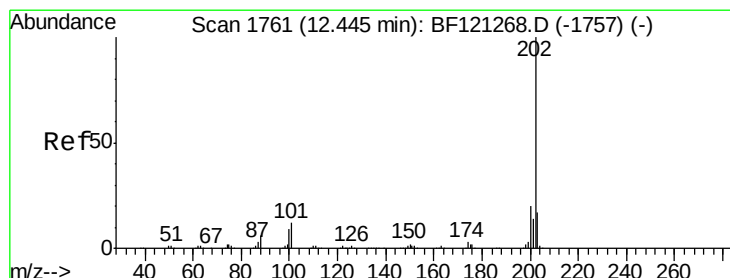
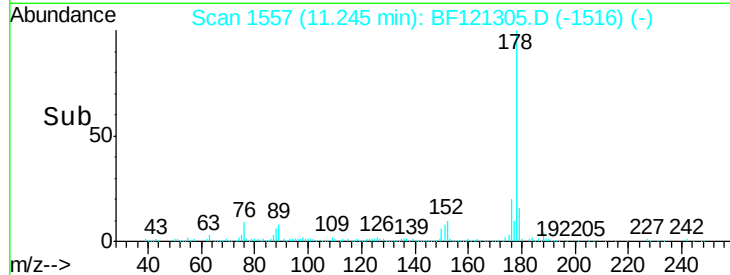
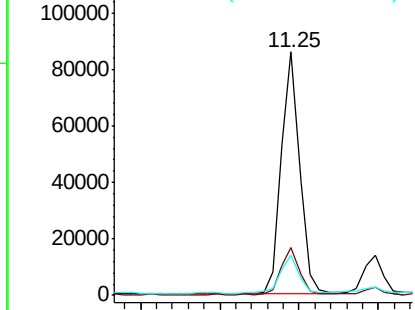
#72
 Anthracene
 Concen: 3.271 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.06 min
 Lab File: BF121305.D
 Acq: 17 Aug 2020 12:41

Instrument :
 BNA_F
 ClientSampleId :
 RBR-58

Tot Ion:178 Resp: 69530
 Ion Ratio Lower Upper
 178 100
 176 19.7 14.9 22.3
 179 16.3 12.2 18.4

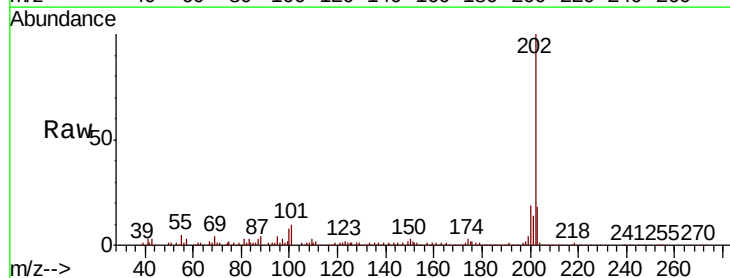


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

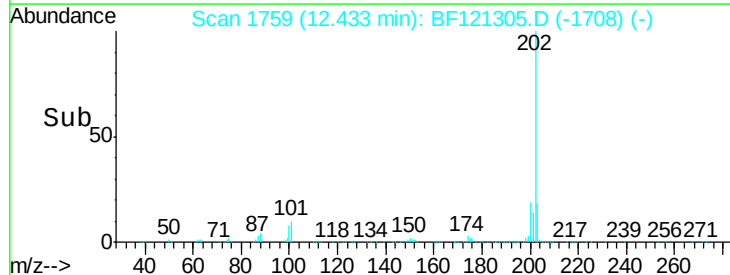
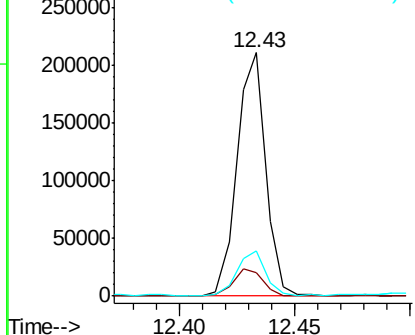


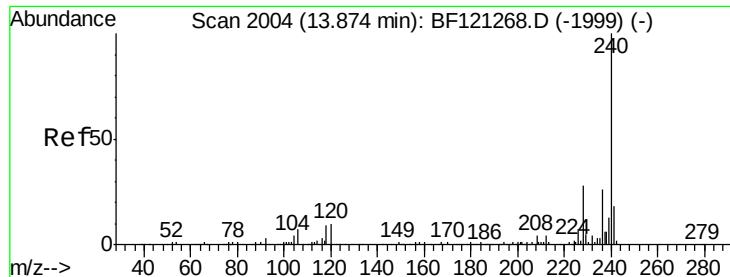
#75
 Fluoranthene
 Concen: 7.684 ng
 RT: 12.43 min Scan# 1759
 Delta R.T. 0.00 min
 Lab File: BF121305.D
 Acq: 17 Aug 2020 12:41

Tgt Ion:202 Resp: 181238
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 32.2
 203 18.5 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: BF121305.D

Acq: 17 Aug 2020 12:41

Instrument :

BNA_F

ClientSampled :

RBR-58

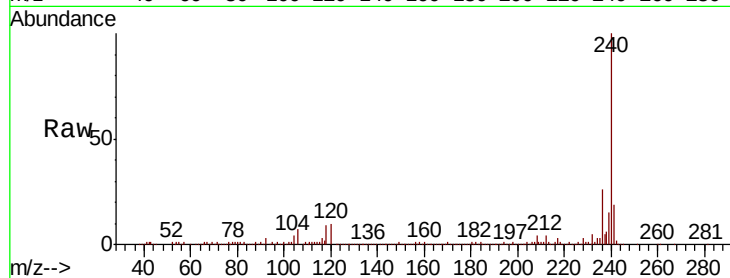
Tot Ion:240 Resp: 323995

Ion Ratio Lower Upper

240 100 8.3 12.5

120 10.3 21.2 31.8

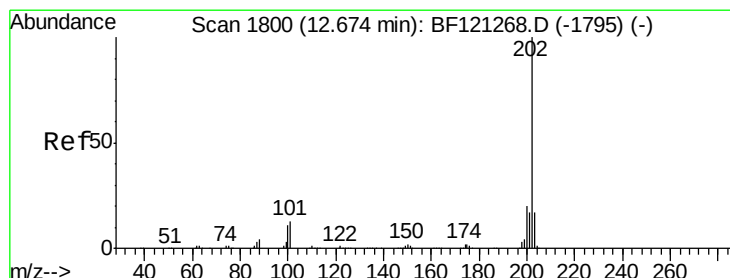
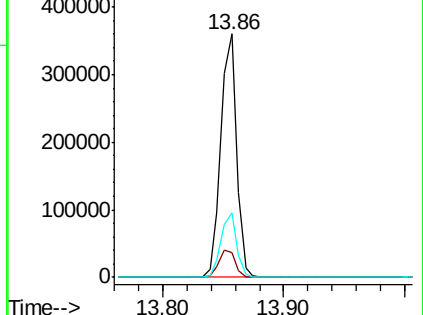
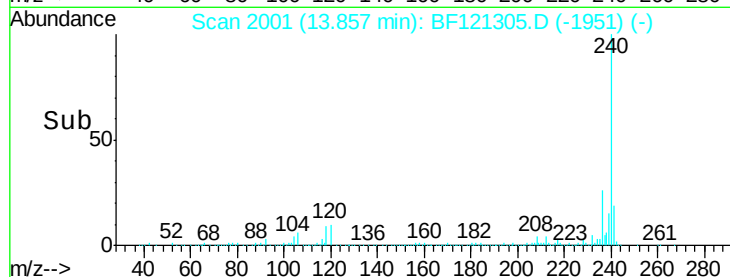
236 26.2



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: 6.503 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

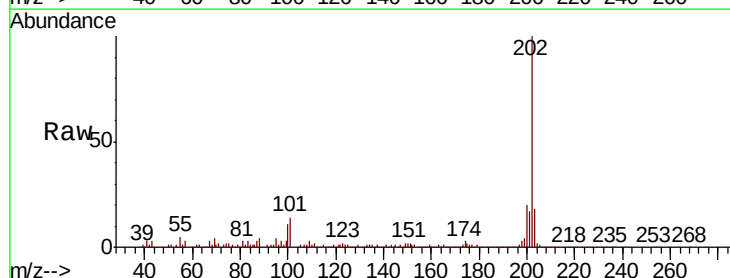
Tgt Ion:202 Resp: 156908

Ion Ratio Lower Upper

202 100 16.4 24.6

200 19.8 14.2 21.4

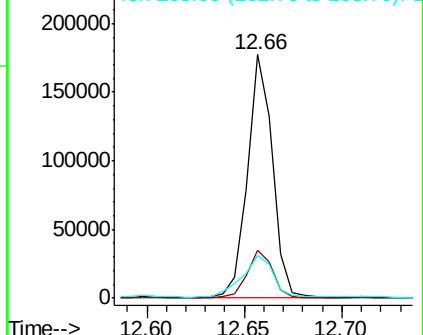
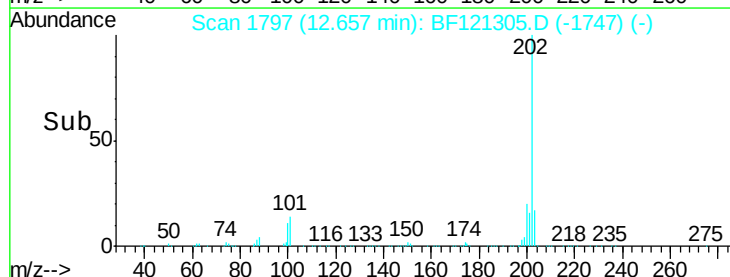
203 17.8

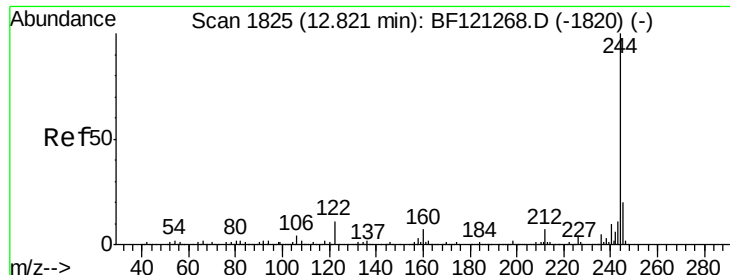


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 23.795 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

Instrument :

BNA_F

ClientSampleId :

RBR-58

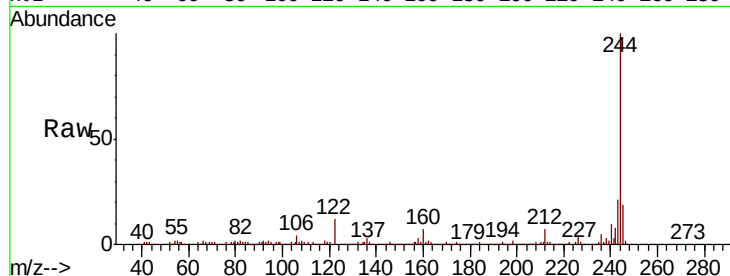
Tot Ion:244 Resp: 395496

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

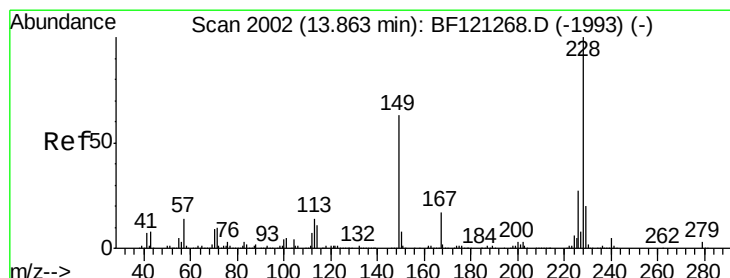
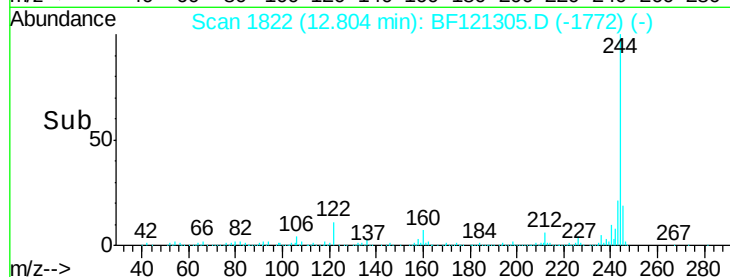
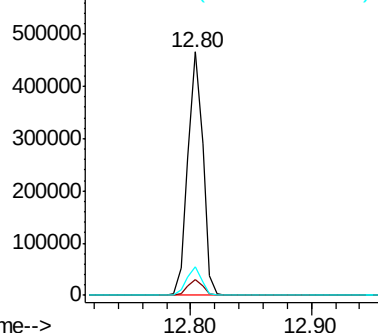
122 11.6 9.0 13.6



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



#81

Benzo(a)anthracene

Concen: 3.314 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

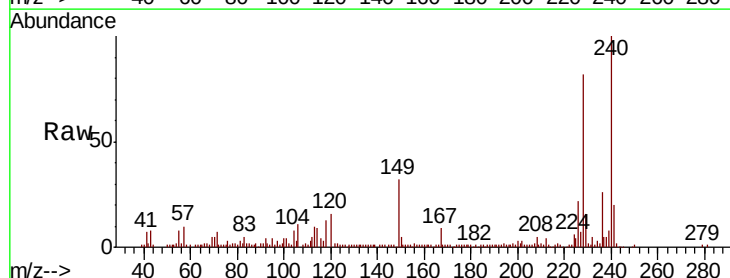
Tgt Ion:228 Resp: 72825

Ion Ratio Lower Upper

228 100

226 27.4 22.0 33.0

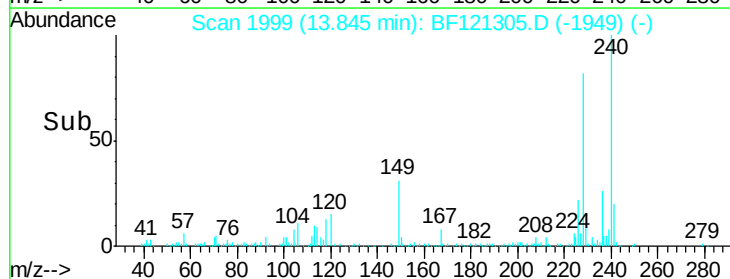
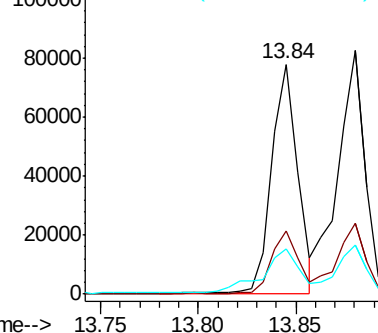
229 19.7 15.8 23.6

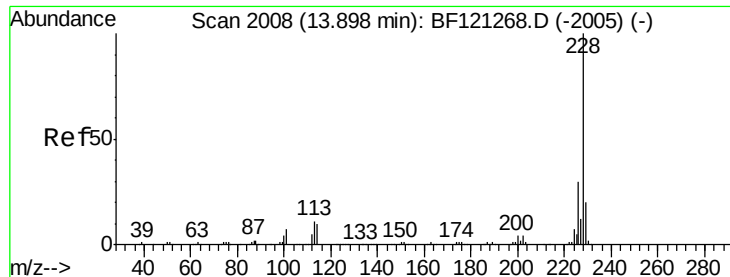


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.621 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

Instrument :

BNA_F

ClientSampled :

RBR-58

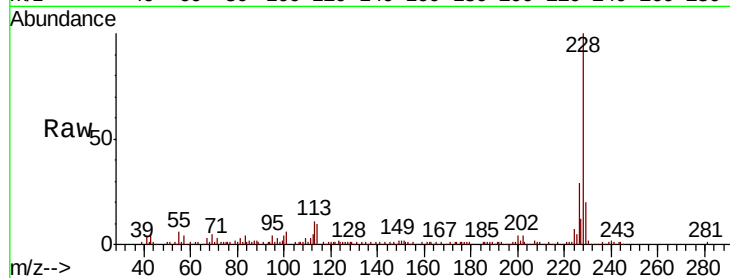
Tot Ion:228 Resp: 81244

Ion Ratio Lower Upper

228 100

226 29.2 25.3 37.9

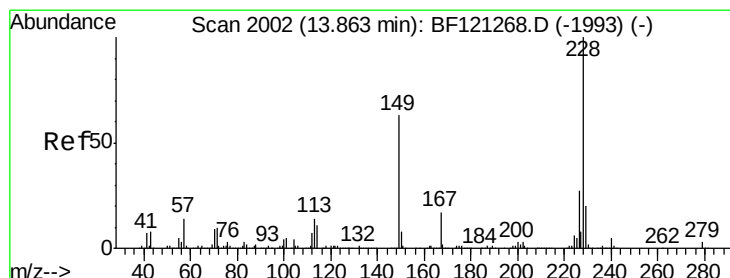
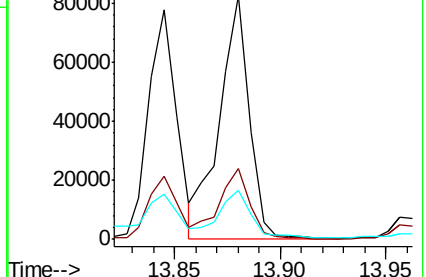
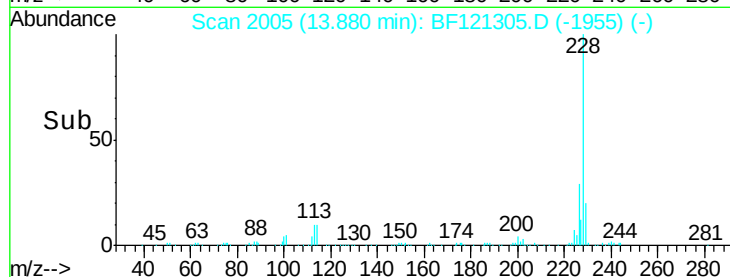
229 20.4 16.3 24.5



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.168 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

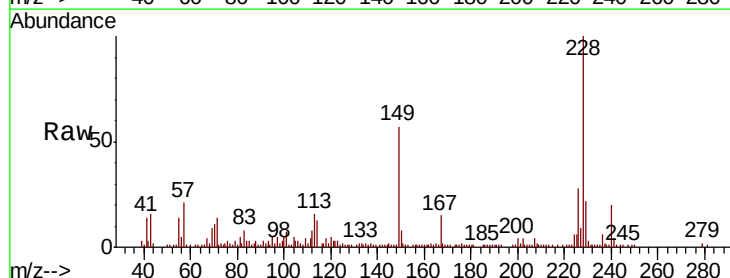
Tgt Ion:149 Resp: 29449

Ion Ratio Lower Upper

149 100

167 26.2 21.5 32.3

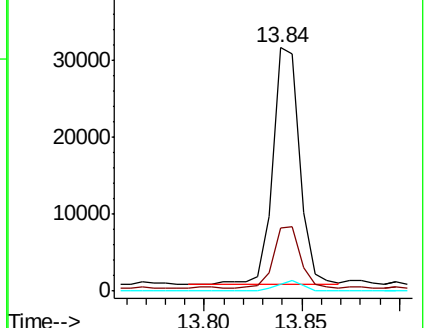
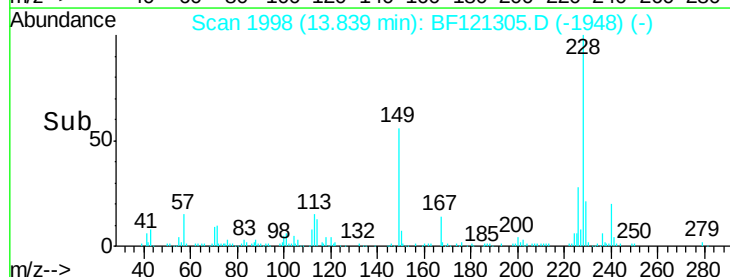
279 3.0 2.9 4.3

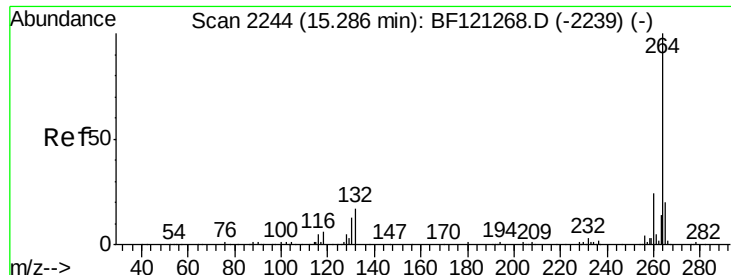


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

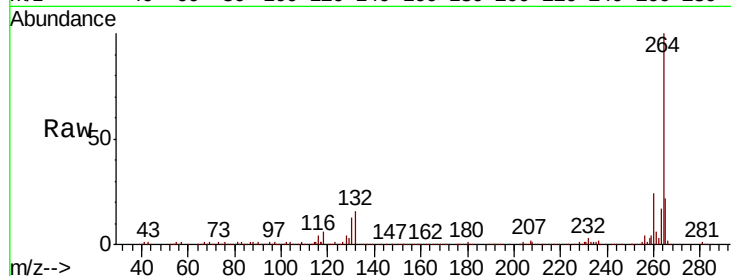




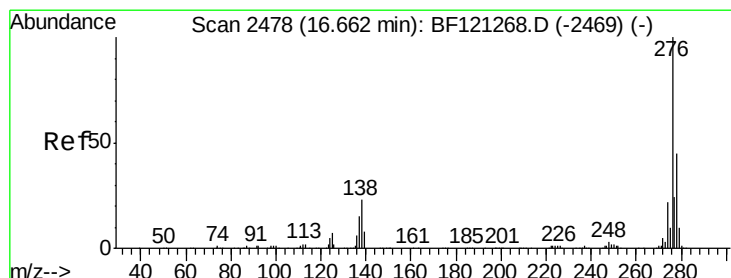
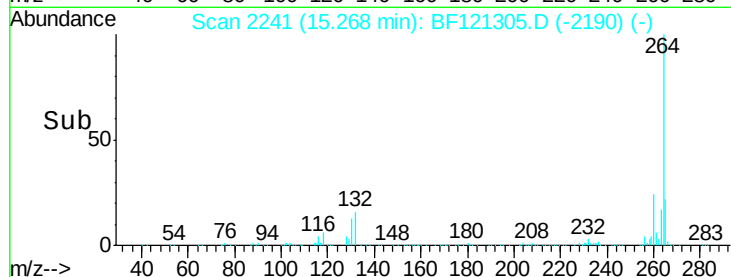
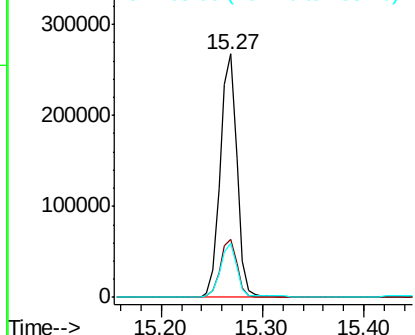
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.00 min
Lab File: BF121305.D
Acq: 17 Aug 2020 12:41

Instrument :
BNA_F
ClientSampleId :
RBR-58

Tot Ion:264 Resp: 307378
Ion Ratio Lower Upper
264 100
260 23.8 19.1 28.7
265 22.1 17.1 25.7

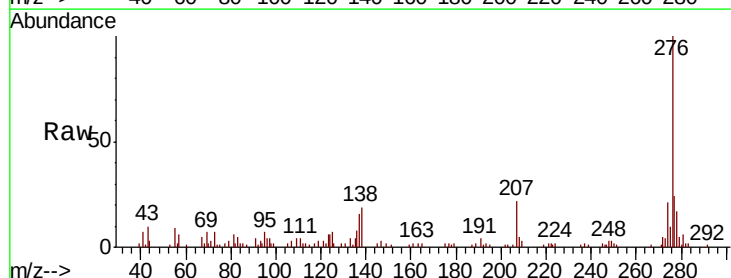


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

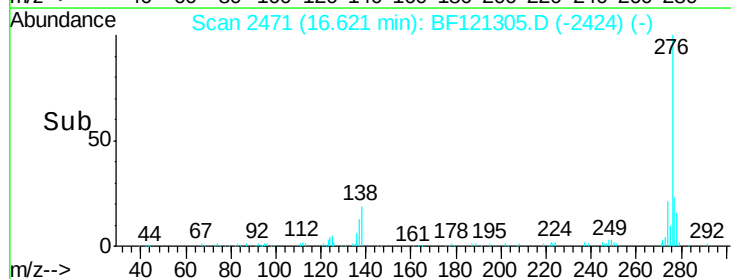
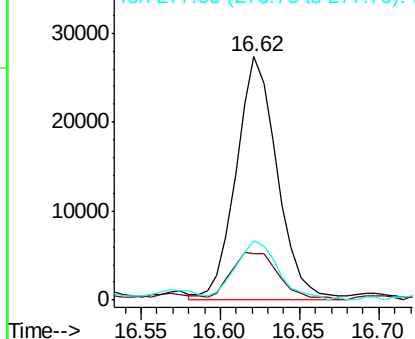


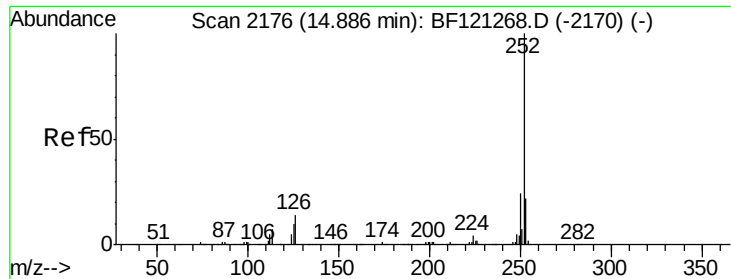
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.162 ng
RT: 16.62 min Scan# 2471
Delta R.T. -0.02 min
Lab File: BF121305.D
Acq: 17 Aug 2020 12:41

Tgt Ion:276 Resp: 49413
Ion Ratio Lower Upper
276 100
138 22.9 19.6 29.4
277 25.6 20.4 30.6



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

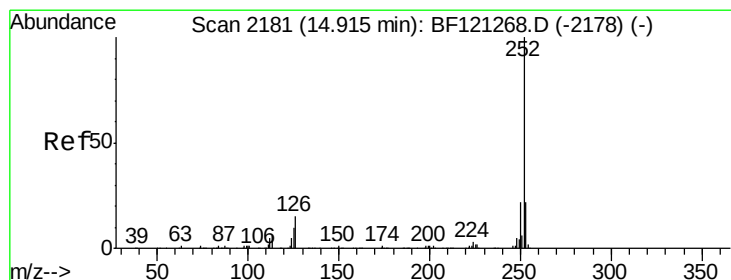
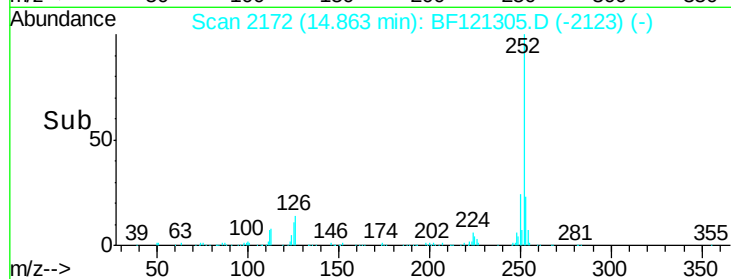
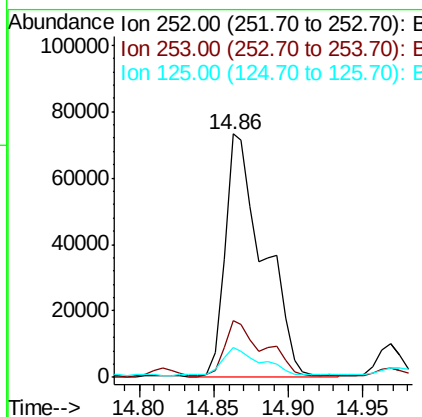
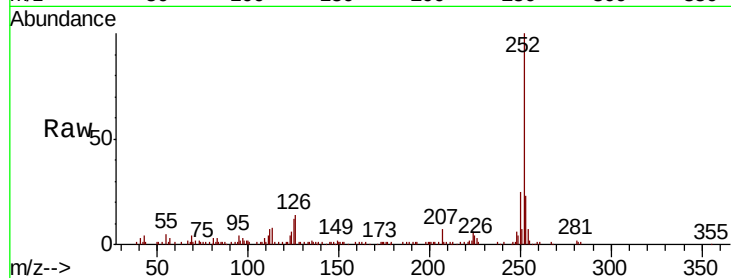




#88
Benzo(b)fluoranthene
Concen: 6.434 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BF121305.D
Acq: 17 Aug 2020 12:41

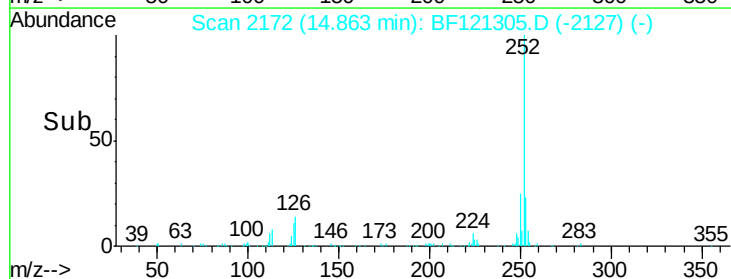
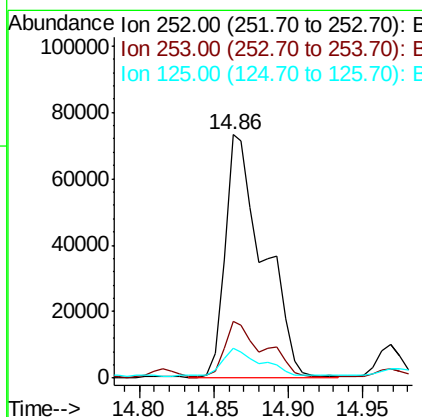
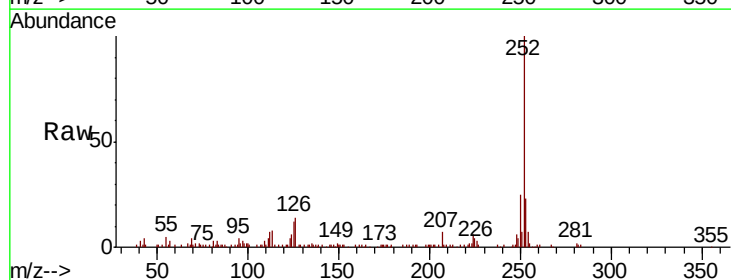
Instrument :
BNA_F
ClientSampleId :
RBR-58

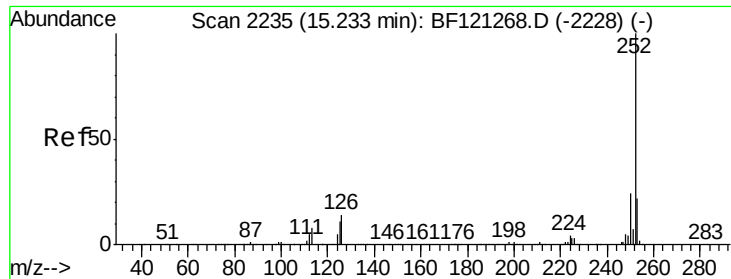
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	12.2	7.5	11.3#



#89
Benzo(k)fluoranthene
Concen: 6.928 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.04 min
Lab File: BF121305.D
Acq: 17 Aug 2020 12:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	12.2	8.2	12.4

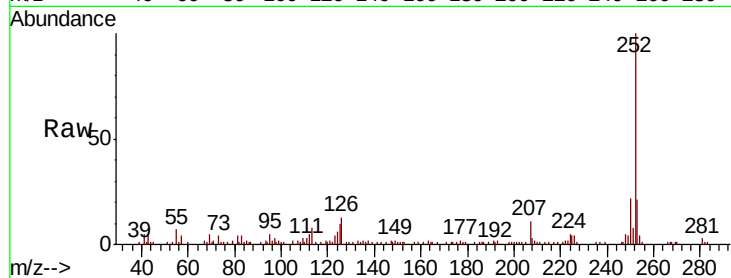




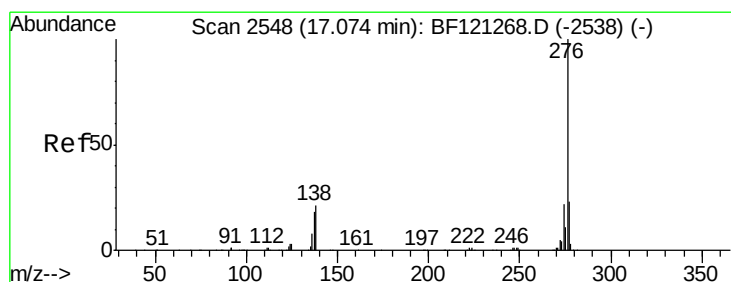
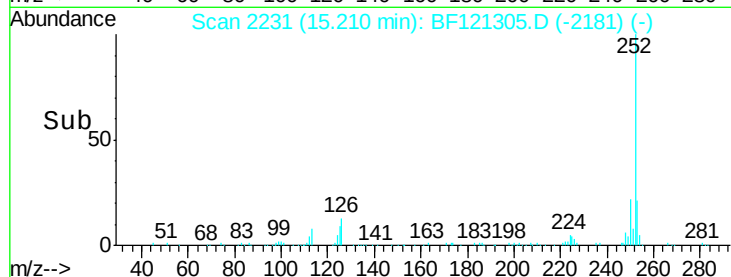
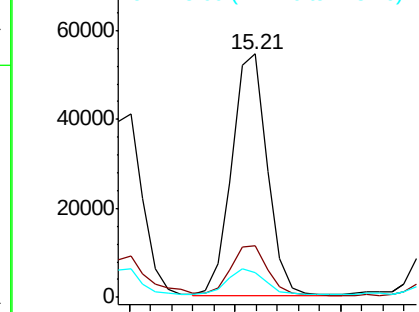
#90
Benzo(a)pyrene
Concen: 3.412 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF121305.D
Acq: 17 Aug 2020 12:41

Instrument :
BNA_F
ClientSampleId :
RBR-58

Tot Ion:252 Resp: 63429
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.2
125 10.3 8.7 13.1

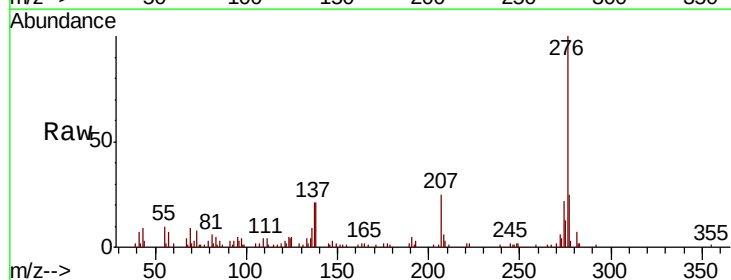


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.507 ng
RT: 17.03 min Scan# 2541
Delta R.T. -0.02 min
Lab File: BF121305.D
Acq: 17 Aug 2020 12:41

Tgt Ion:276 Resp: 48442
Ion Ratio Lower Upper
276 100
277 24.9 19.1 28.7
138 21.5 16.6 24.8



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

