

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081420\
 Data File : BF121297.D
 Acq On : 14 Aug 2020 21:26
 Operator : JU/CG
 Sample : L3677-02 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Quant Time: Aug 17 01:06:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 13 15:23:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	96651	20.00	ng	-0.02
21) Naphthalene-d8	7.99	136	366372	20.00	ng	-0.02
39) Acenaphthene-d10	9.74	164	191972	20.00	ng	-0.02
64) Phenanthrene-d10	11.22	188	369424	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	260917	20.00	ng	-0.02
86) Perylene-d12	15.27	264	274189	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	226721	35.56	ng	-0.01
7) Phenol-d6	6.34	99	278792	33.94	ng	-0.02
23) Nitrobenzene-d5	7.27	82	172267	25.70	ng	-0.02
42) 2,4,6-Tribromophenol	10.53	330	78843	33.36	ng	-0.02
45) 2-Fluorobiphenyl	9.06	172	342688	24.69	ng	-0.02
79) Terphenyl-d14	12.81	244	344380	25.73	ng	-0.01

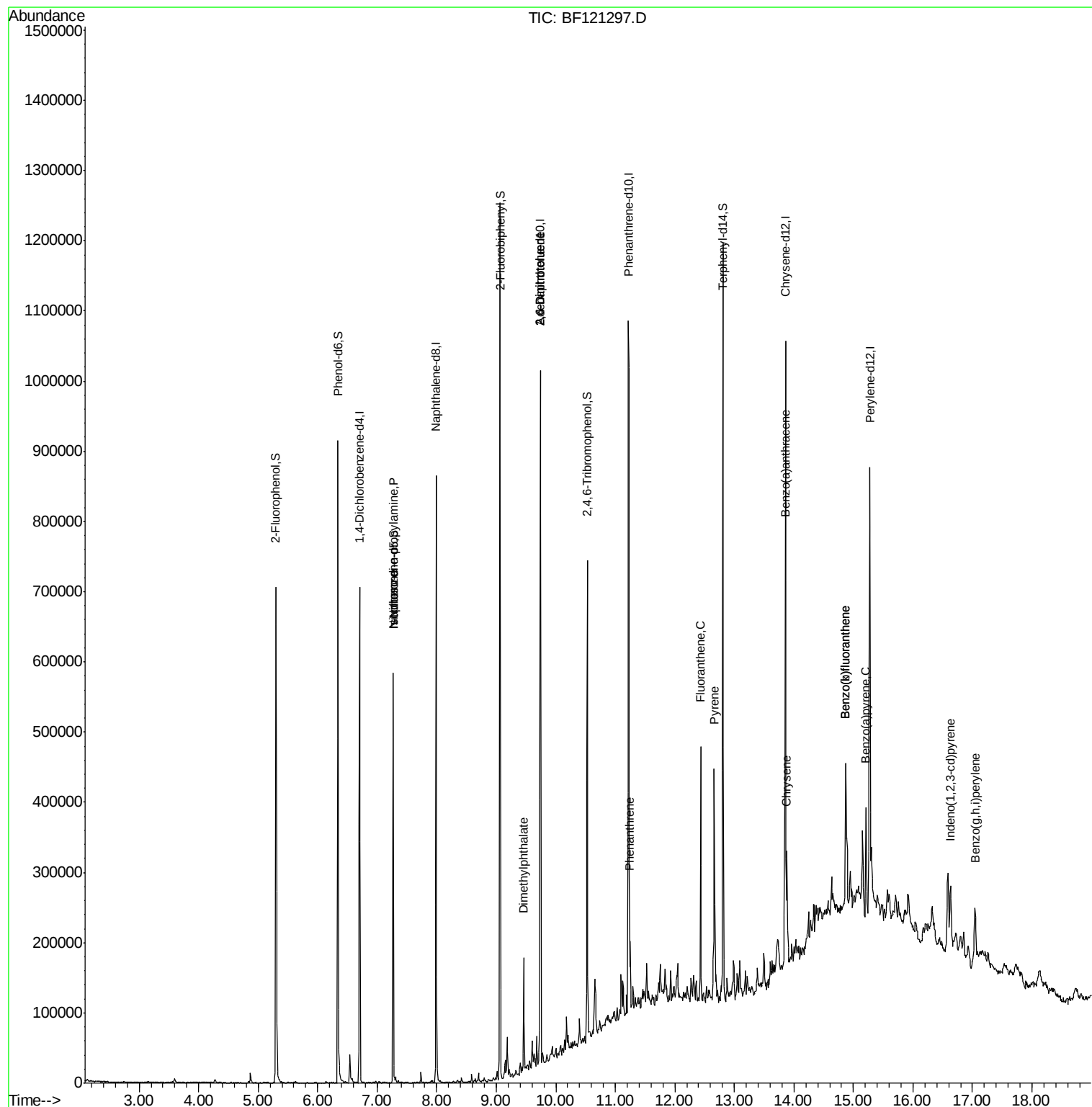
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.27	70	22009	4.822	ng	# 77
25) Isophorone	7.27	82	172265	12.799	ng	# 62
50) Dimethylphthalate	9.46	163	54465	3.770	ng	100
51) 2,6-Dinitrotoluene	9.74	165	25451	7.904	ng	# 26
57) 2,4-Dinitrotoluene	9.74	165	25451	6.023	ng	# 27
71) Phenanthrene	11.25	178	46937	2.221	ng	99
75) Fluoranthene	12.43	202	132810	5.643	ng	99
78) Pyrene	12.66	202	128956	6.637	ng	98
81) Benzo(a)anthracene	13.84	228	69558	3.931	ng	92
83) Chrysene	13.88	228	68778	3.807	ng	96
87) Indeno(1,2,3-cd)pyrene	16.63	276	53110	2.605	ng	96
88) Benzo(b)fluoranthene	14.87	252	131140	7.138	ng	# 95
89) Benzo(k)fluoranthene	14.87	252	131140	7.687	ng	97
90) Benzo(a)pyrene	15.21	252	69591	4.197	ng	96
92) Benzo(a,h,i)perylene	17.04	276	56145	3.257	ng	98

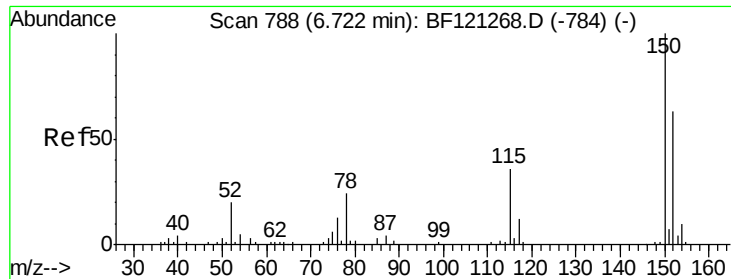
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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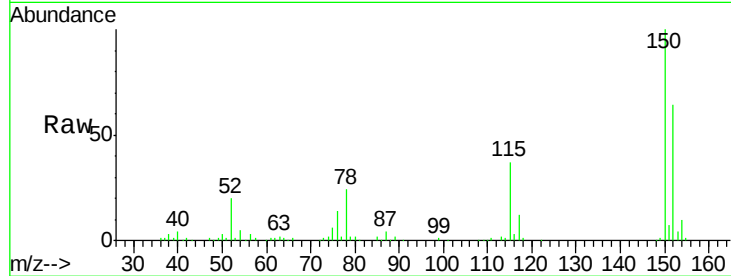


#1

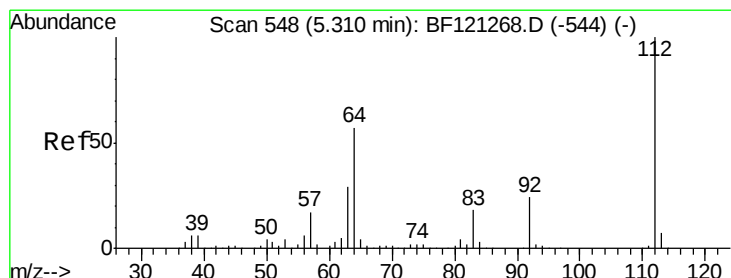
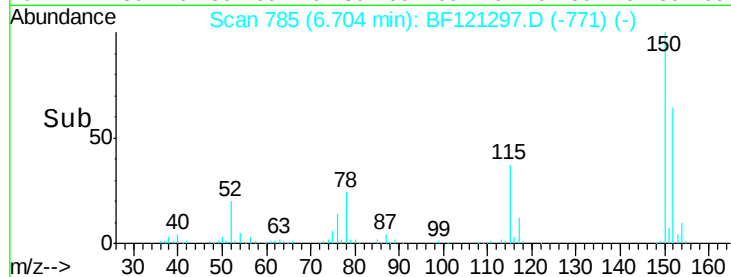
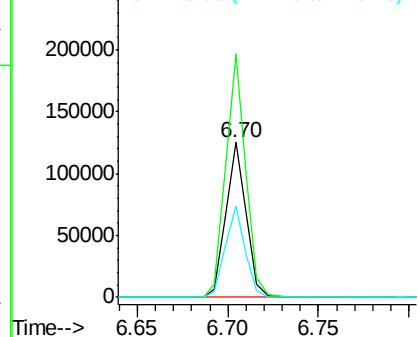
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.02 min
Lab File: BF121297.D
Acq: 14 Aug 2020 21:26

Instrument :
BNA_F
ClientSampleId :
TP-6

Tot Ion:152 Resp: 96651
Ion Ratio Lower Upper
152 100
150 157.4 129.0 193.6
115 58.8 49.0 73.4



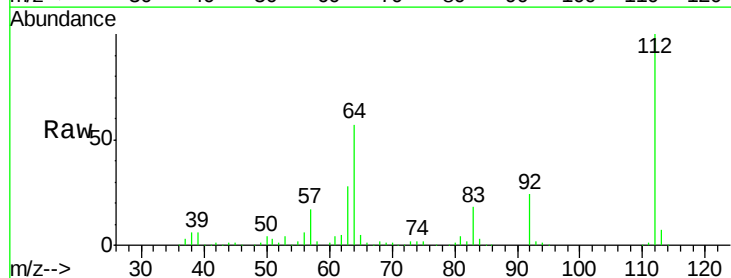
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



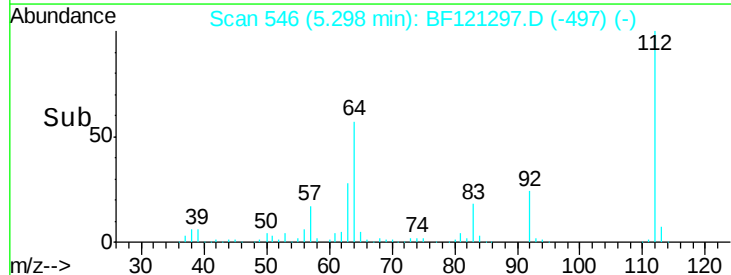
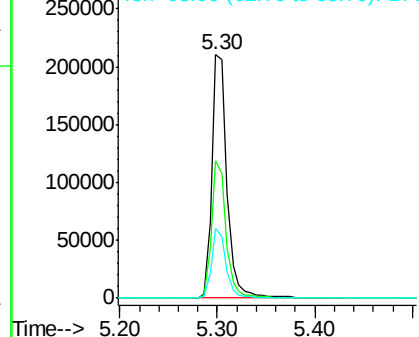
#5

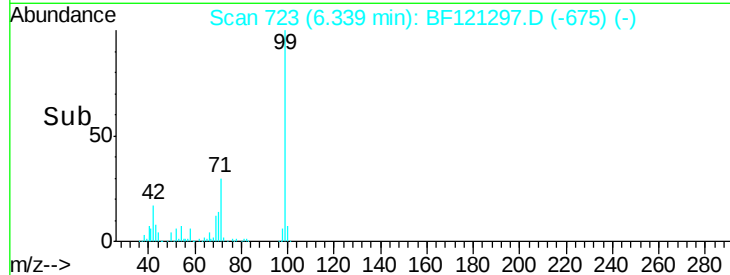
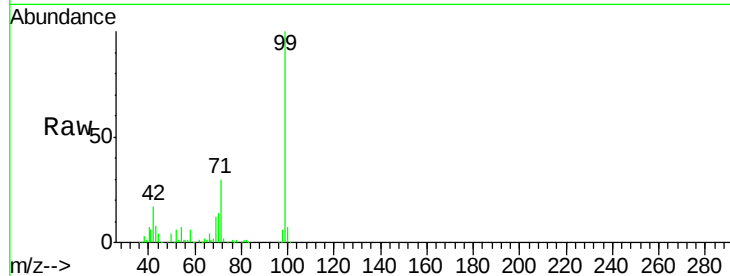
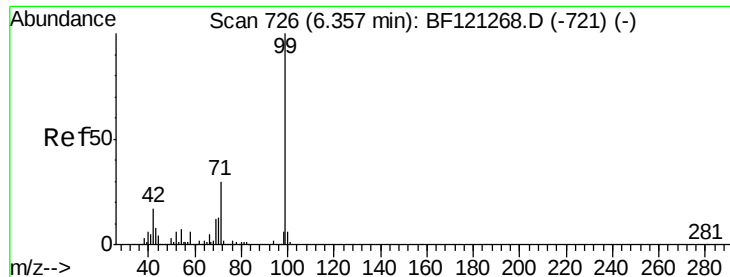
2-Fluorophenol
Concen: 35.563 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF121297.D
Acq: 14 Aug 2020 21:26

Tgt Ion:112 Resp: 226721
Ion Ratio Lower Upper
112 100
64 56.6 45.4 68.2
63 28.3 23.0 34.6



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: 33.936 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF121297.D

Acq: 14 Aug 2020 21:26

Instrument :

BNA_F

ClientSampleId :

TP-6

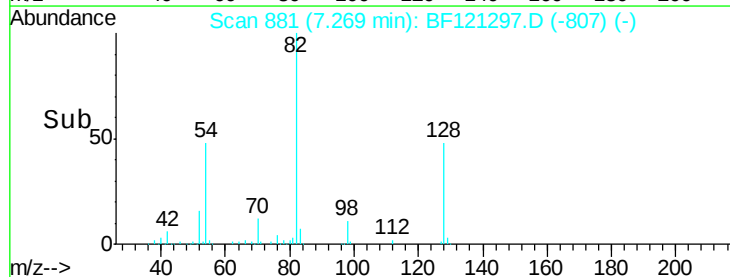
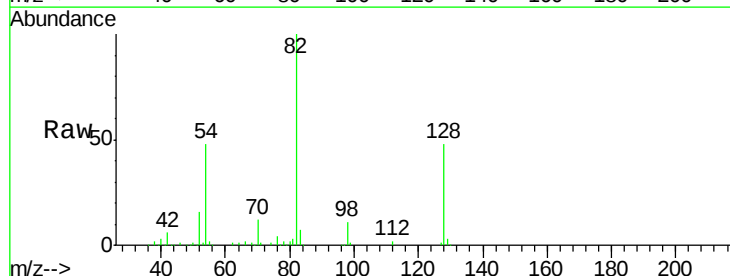
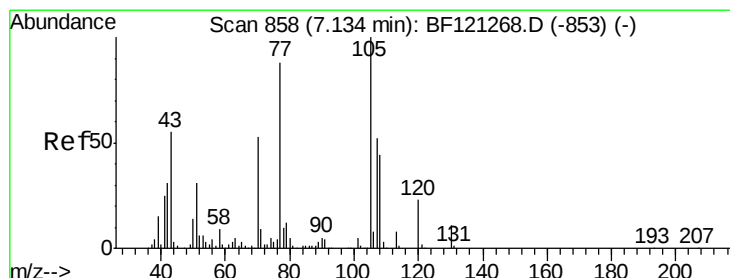
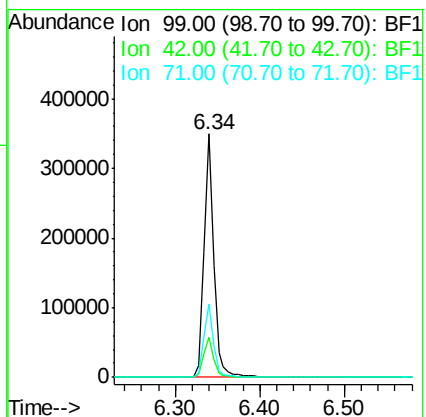
Tot Ion: 99 Resp: 278792

Ion Ratio Lower Upper

99 100

42 16.5 13.1 19.7

71 30.2 23.7 35.5



#19

n-Nitroso-di-n-propylamine

Concen: 4.822 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF121297.D

Acq: 14 Aug 2020 21:26

Tgt Ion: 70 Resp: 22009

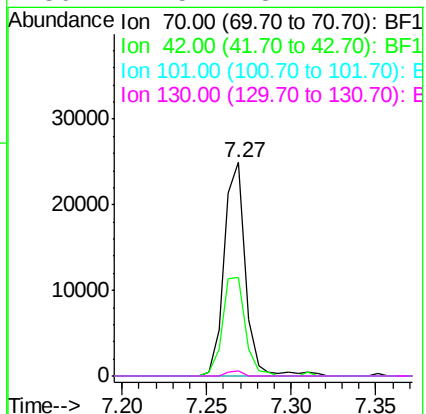
Ion Ratio Lower Upper

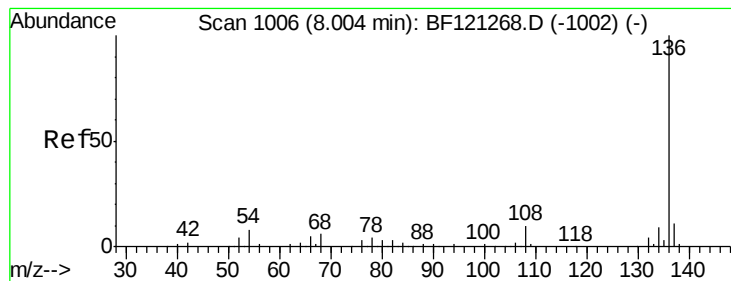
70 100

42 46.3 45.6 68.4

101 0.0 7.8 11.8#

130 2.5 18.2 27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.02 min

Lab File: BF121297.D

Acq: 14 Aug 2020 21:26

Instrument :

BNA_F

ClientSampleId :

TP-6

Tot Ion:136 Resp: 366372

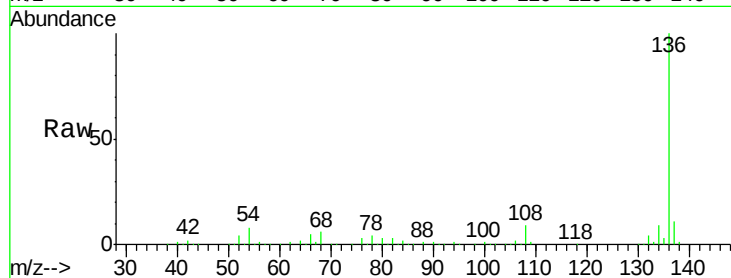
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 8.1 5.3 7.9#

68 6.3 4.2 6.2#

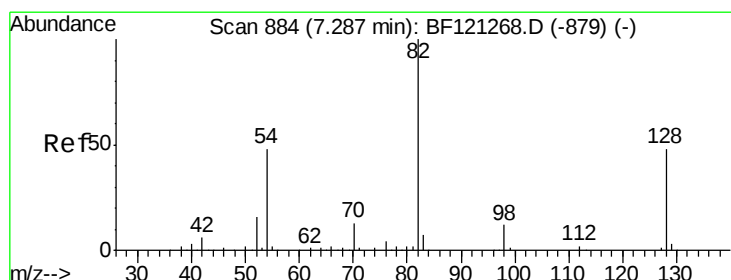
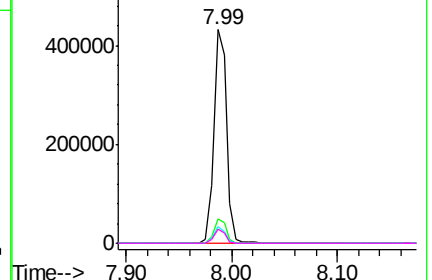
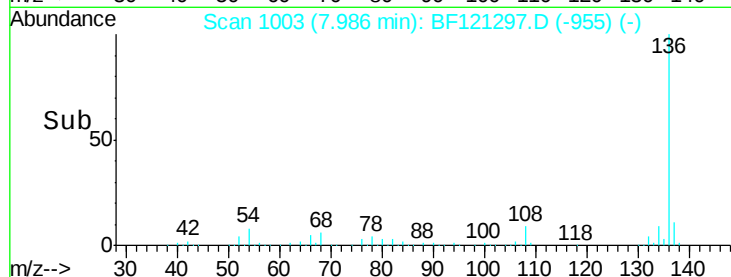


Abundance Ion 136.00 (135.70 to 136.70): E

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: 25.698 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.02 min

Lab File: BF121297.D

Acq: 14 Aug 2020 21:26

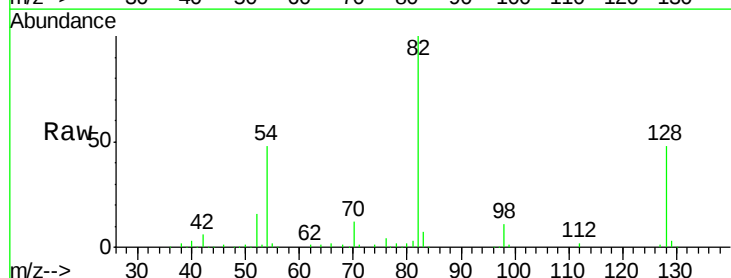
Tgt Ion: 82 Resp: 172267

Ion Ratio Lower Upper

82 100

128 48.4 39.8 59.8

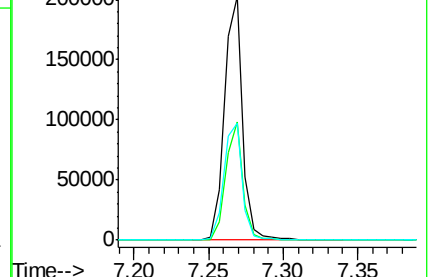
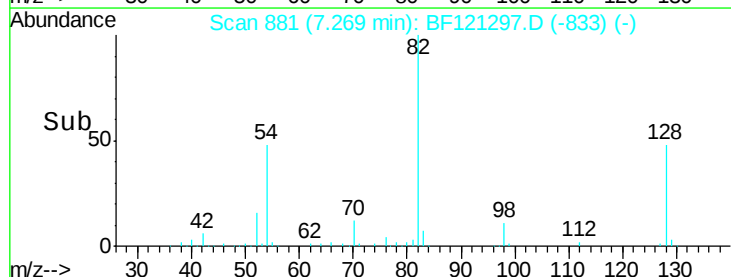
54 47.8 37.7 56.5

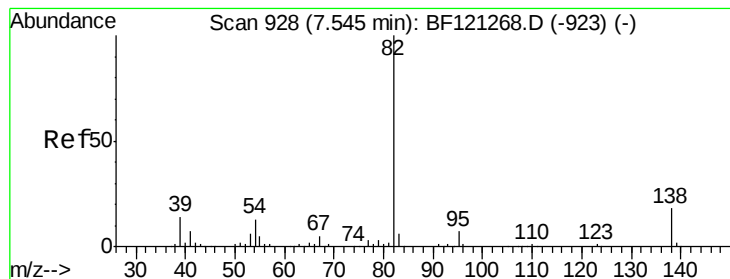


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 12.799 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF121297.D

Acq: 14 Aug 2020 21:26

Instrument :

BNA_F

ClientSampled :

TP-6

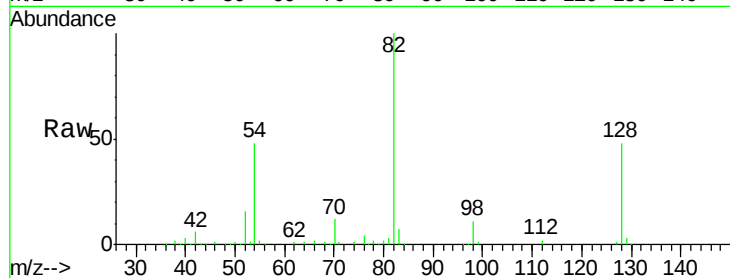
Tot Ion: 82 Resp: 172265

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

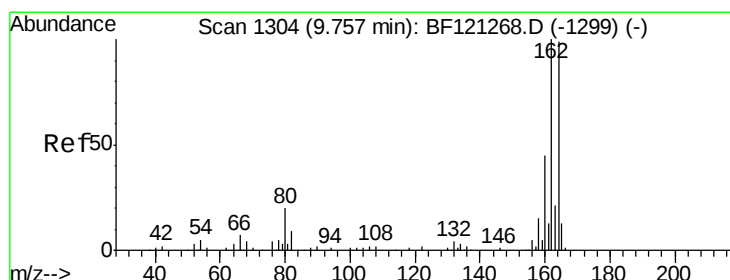
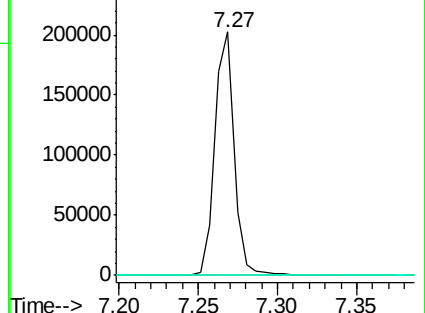
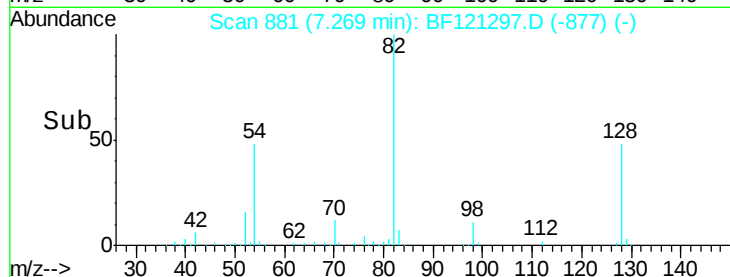
138 0.0 16.0 24.0#



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. -0.02 min

Lab File: BF121297.D

Acq: 14 Aug 2020 21:26

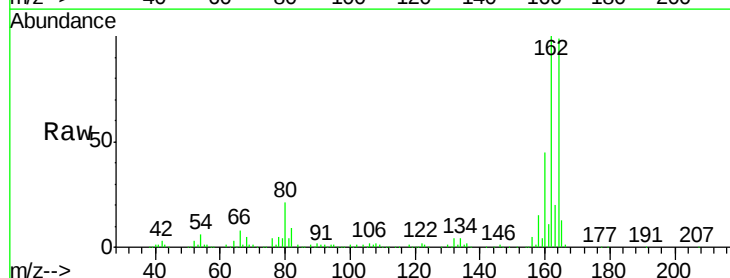
Tgt Ion:164 Resp: 191972

Ion Ratio Lower Upper

164 100

162 100.9 81.2 121.8

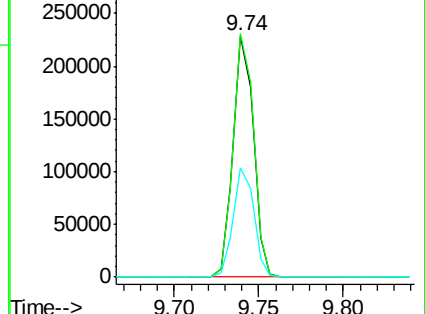
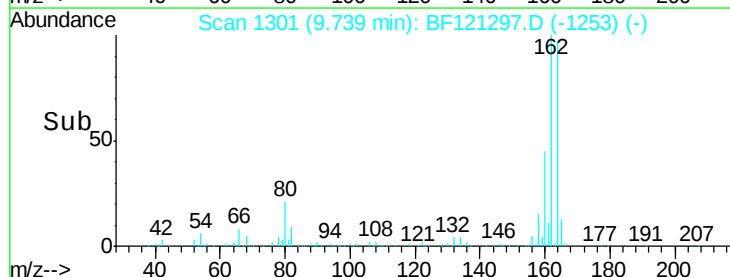
160 45.0 36.9 55.3

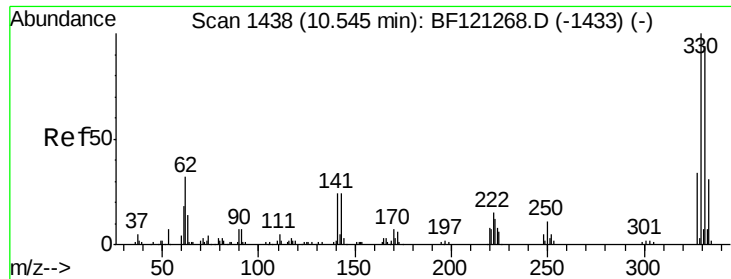


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

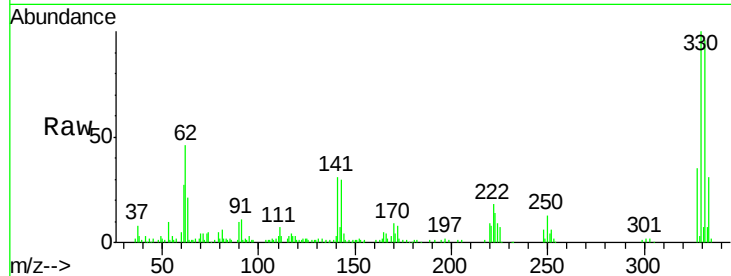




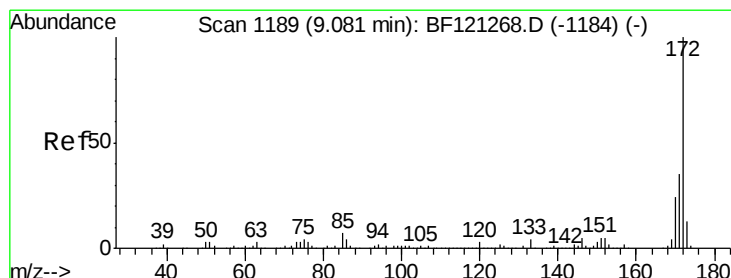
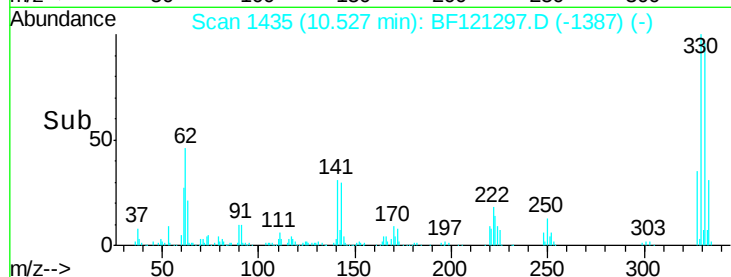
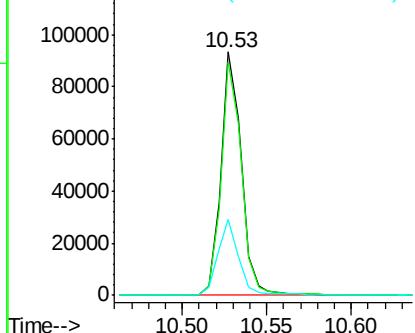
#42
 2,4,6-Tribromophenol
 Concen: 33.358 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BF121297.D
 Acq: 14 Aug 2020 21:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Tot Ion:330 Resp: 78843
 Ion Ratio Lower Upper
 330 100
 332 96.1 75.4 113.0
 141 32.3 23.4 35.2

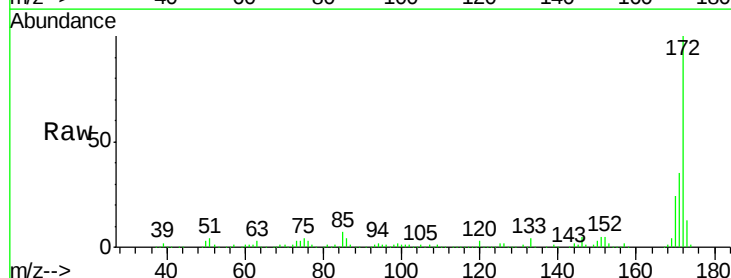


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

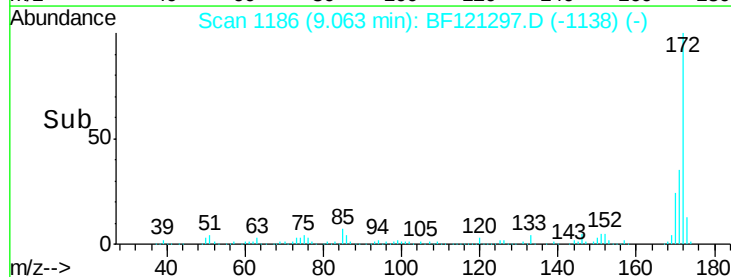
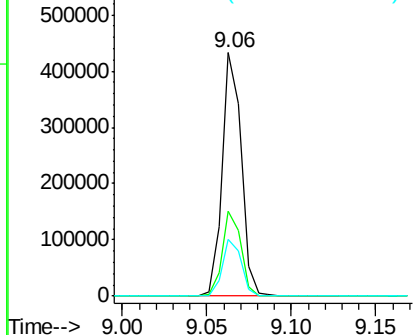


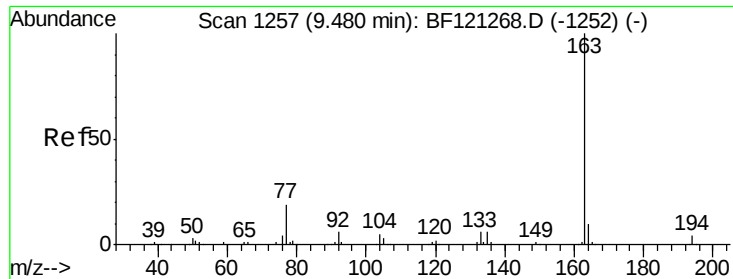
#45
 2-Fluorobiphenyl
 Concen: 24.693 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF121297.D
 Acq: 14 Aug 2020 21:26

Tgt Ion:172 Resp: 342688
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.3 42.5
 170 23.5 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

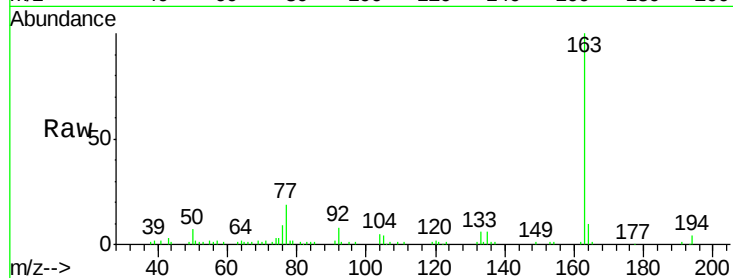




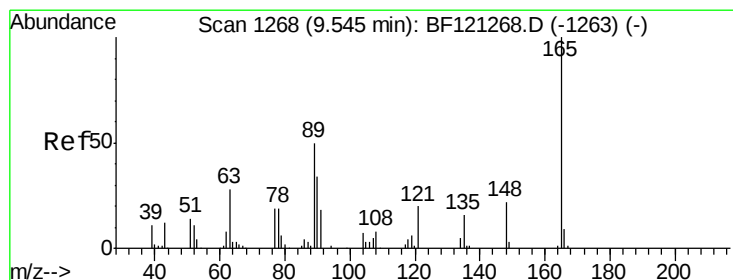
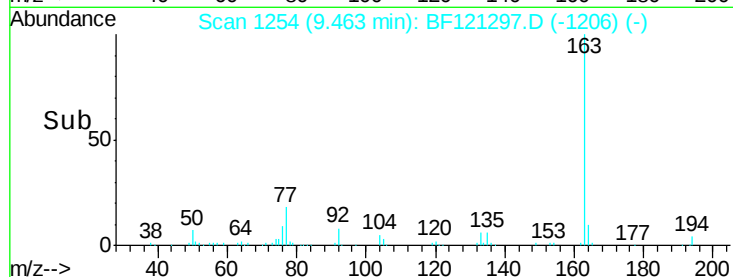
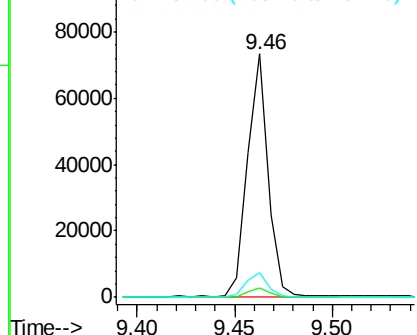
#50
Dimethylphthalate
Concen: 3.770 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF121297.D
Acq: 14 Aug 2020 21:26

Instrument :
BNA_F
ClientSampled :
TP-6

Tot Ion:163 Resp: 54465
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.2 8.1 12.1

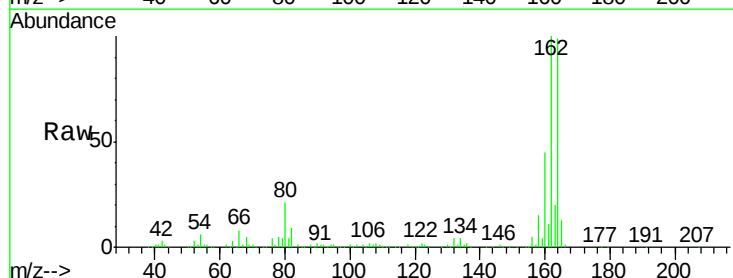


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

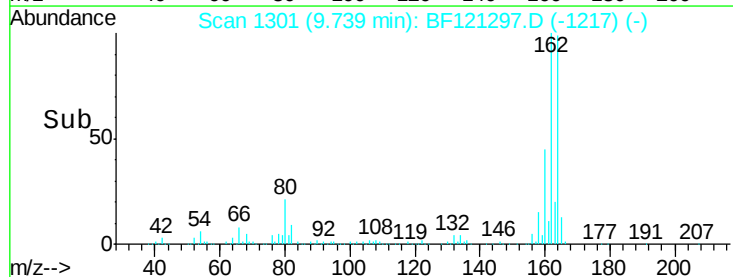
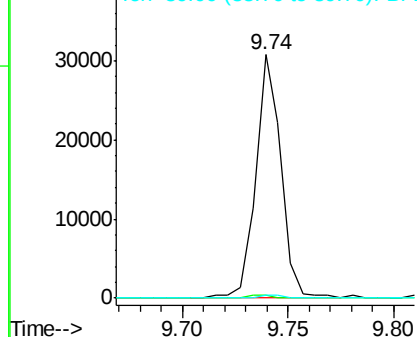


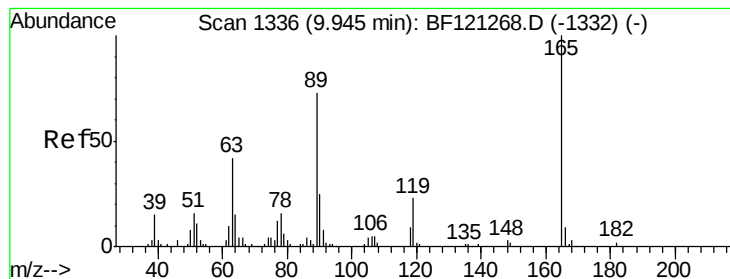
#51
2,6-Dinitrotoluene
Concen: 7.904 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.19 min
Lab File: BF121297.D
Acq: 14 Aug 2020 21:26

Tgt Ion:165 Resp: 25451
Ion Ratio Lower Upper
165 100
63 1.3 42.3 63.5#
89 1.2 45.0 67.4#



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





#57

2,4-Dinitrotoluene

Concen: 6.023 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.21 min

Lab File: BF121297.D

Acq: 14 Aug 2020 21:26

Instrument :

BNA_F

ClientSampleId :

TP-6

Tot Ion:165 Resp: 25451

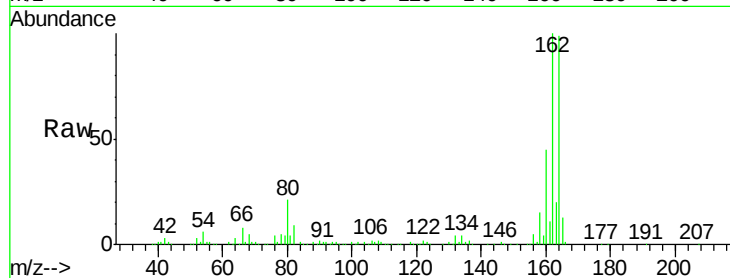
Ion Ratio Lower Upper

165 100

63 1.3 31.9 47.9#

89 1.2 53.6 80.4#

182 0.0 1.8 2.6#

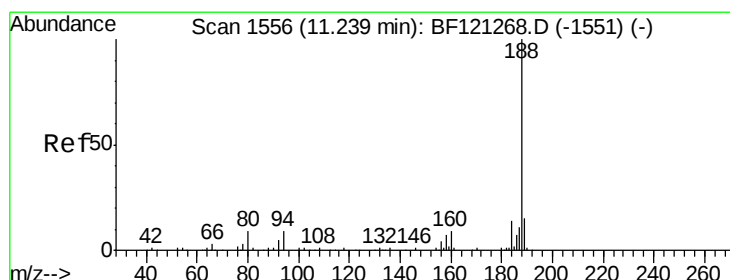
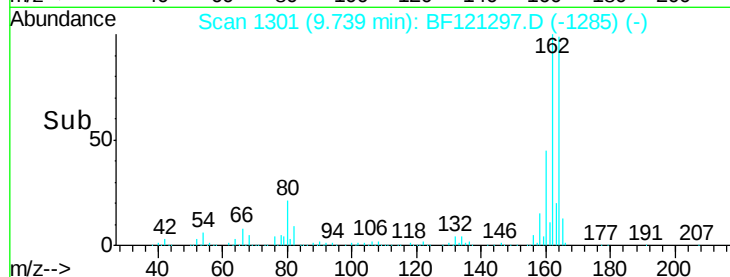
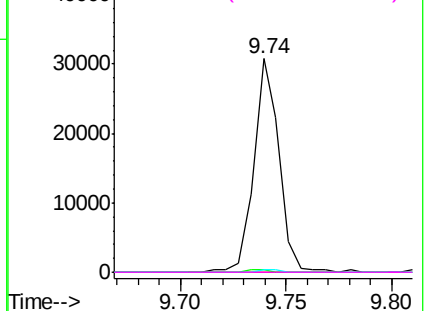


Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.02 min

Lab File: BF121297.D

Acq: 14 Aug 2020 21:26

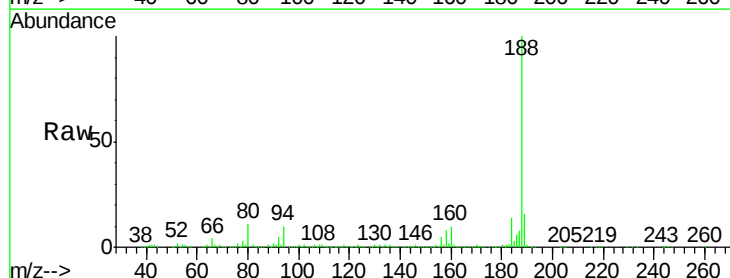
Tgt Ion:188 Resp: 369424

Ion Ratio Lower Upper

188 100

94 9.9 7.0 10.6

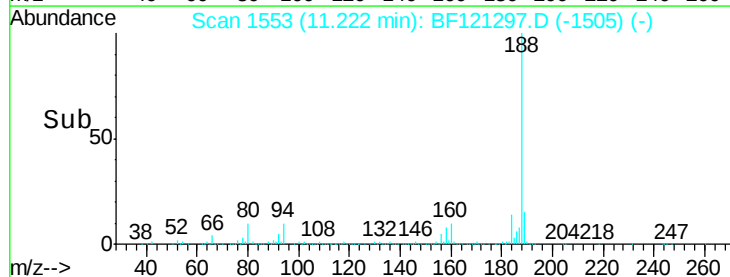
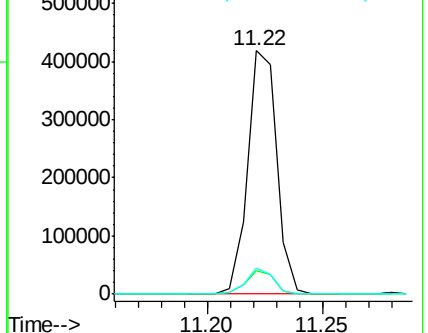
80 10.5 7.4 11.0

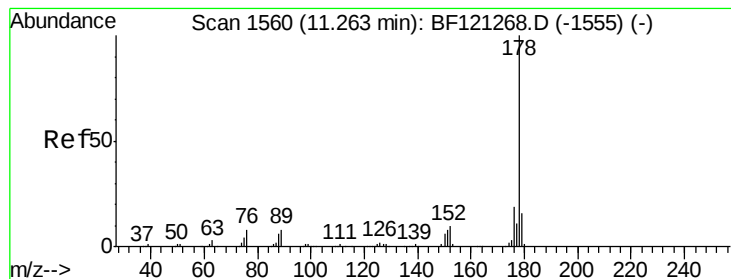


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 2.221 ng

RT: 11.25 min Scan# 1557

Delta R.T. -0.02 min

Lab File: BF121297.D

Acq: 14 Aug 2020 21:26

Instrument :

BNA_F

ClientSampleId :

TP-6

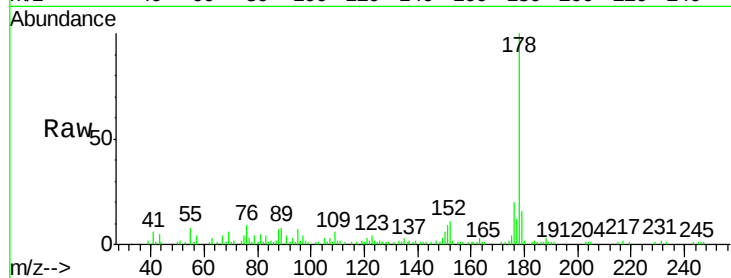
Tot Ion:178 Resp: 46937

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

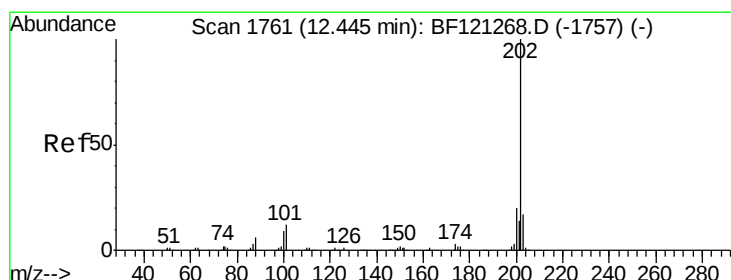
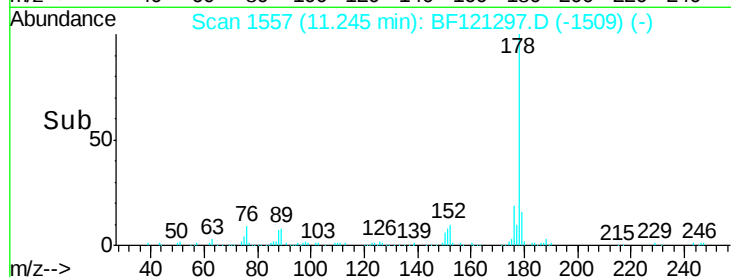
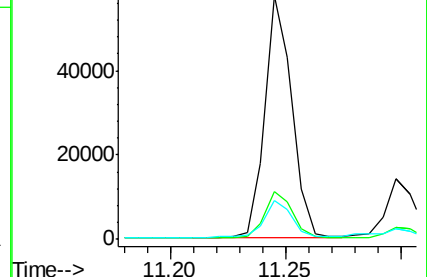
179 16.1 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 5.643 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BF121297.D

Acq: 14 Aug 2020 21:26

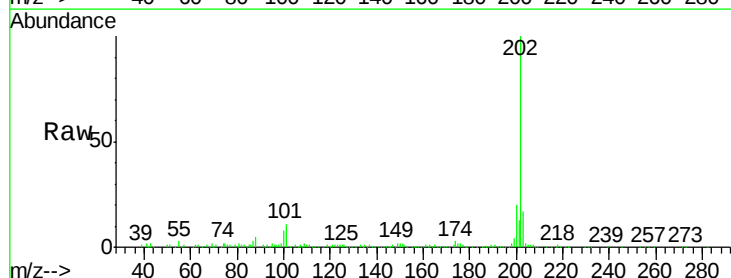
Tgt Ion:202 Resp: 132810

Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.6

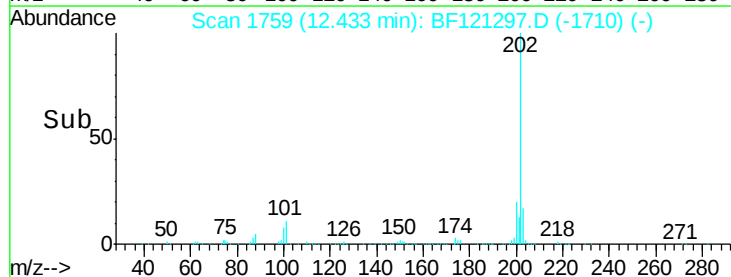
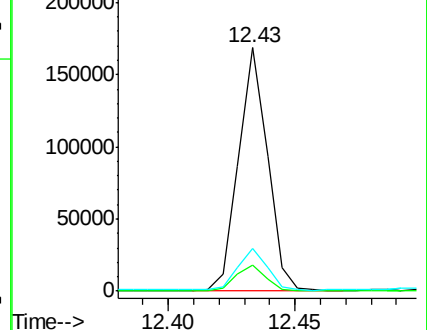
203 17.4 0.0 38.0

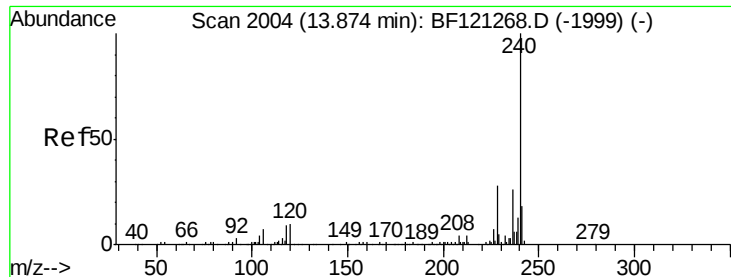


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

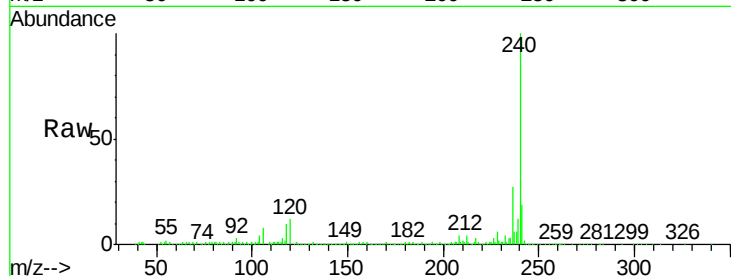




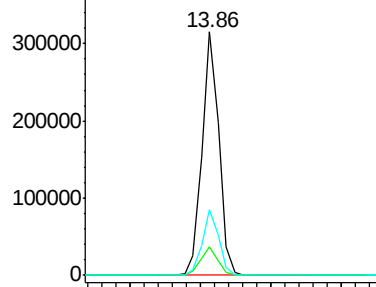
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.02 min
Lab File: BF121297.D
Acq: 14 Aug 2020 21:26

Instrument :
BNA_F
ClientSampleId :
TP-6

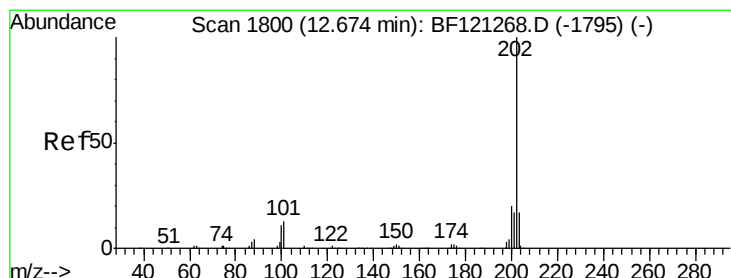
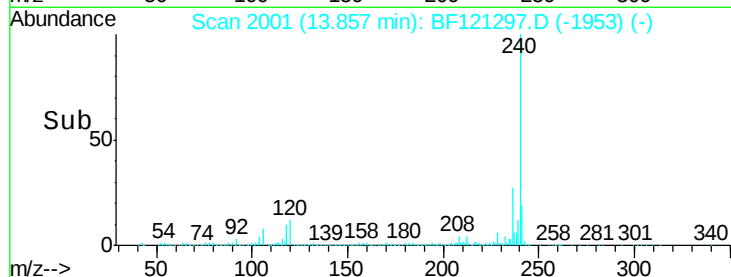
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.2	13.8
236	26.8	21.0	31.4



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

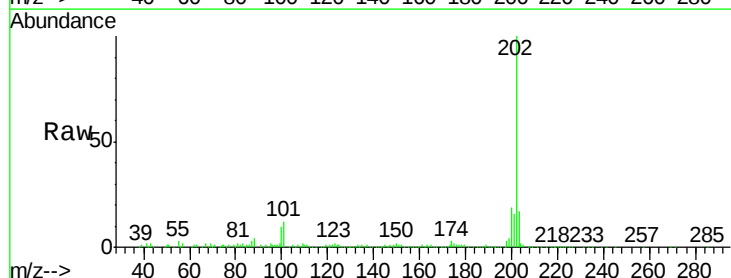


Time-->

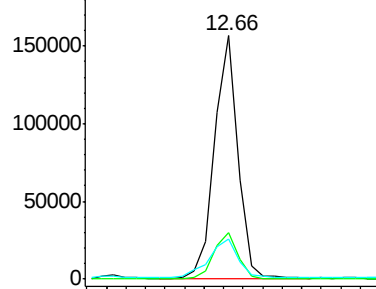


#78
Pyrene
Concen: 6.637 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BF121297.D
Acq: 14 Aug 2020 21:26

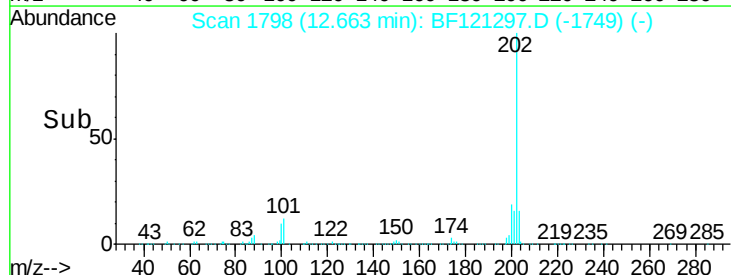
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.0	16.3	24.5
203	16.7	13.8	20.8

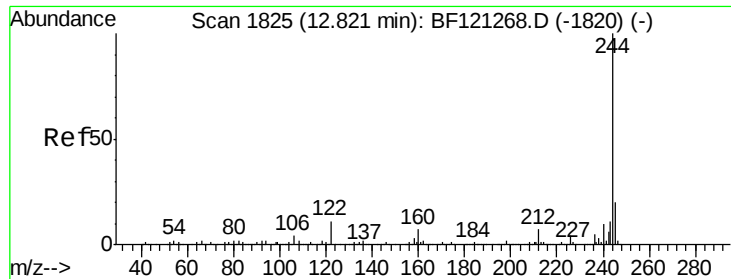


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->

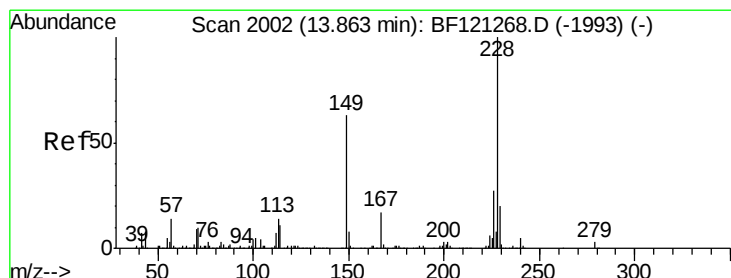
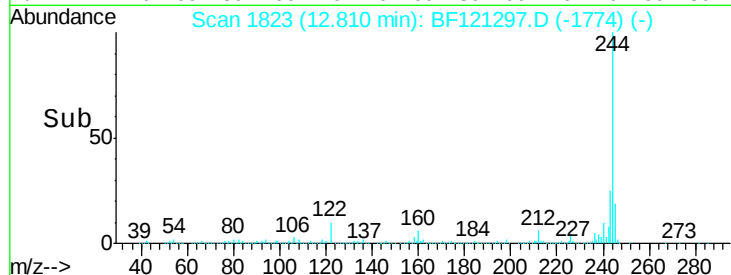
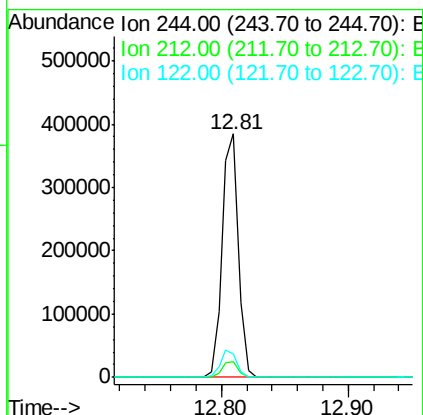
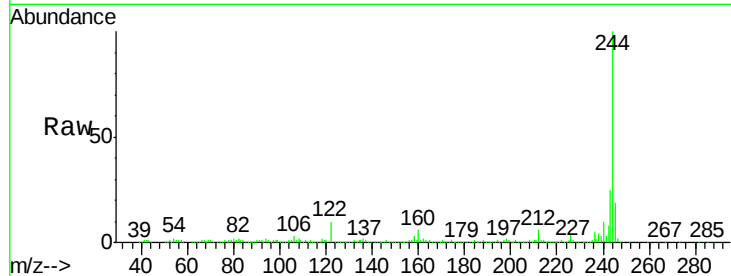




#79
 Terphenyl-d14
 Concen: 25.729 ng
 RT: 12.81 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF121297.D
 Acq: 14 Aug 2020 21:26

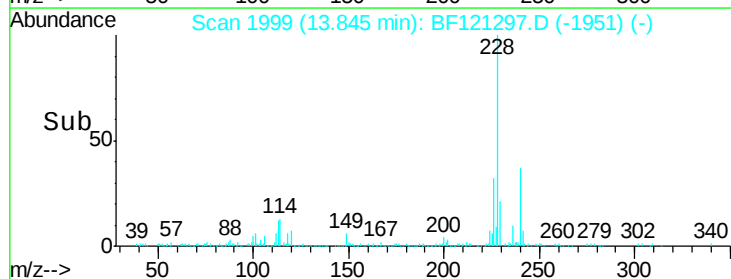
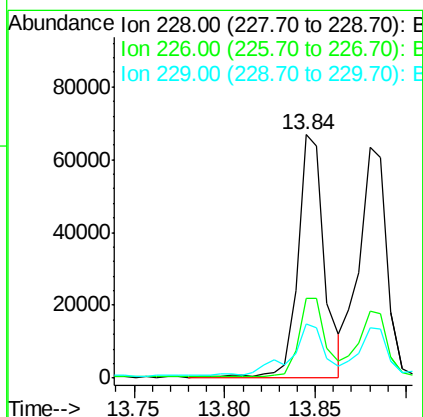
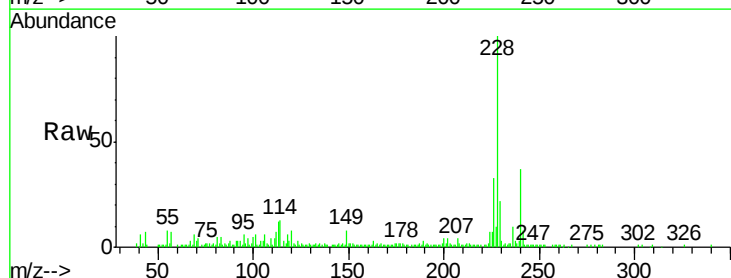
Instrument :
 BNA_F
 ClientSampleId :
 TP-6

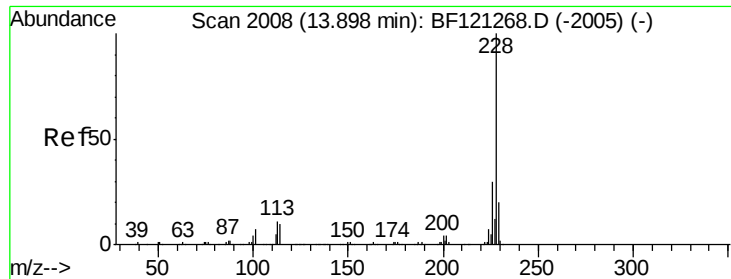
Tot Ion:244 Resp: 344380
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.5 8.3
 122 9.7 9.1 13.7



#81
 Benzo(a)anthracene
 Concen: 3.931 ng
 RT: 13.84 min Scan# 1999
 Delta R.T. -0.02 min
 Lab File: BF121297.D
 Acq: 14 Aug 2020 21:26

Tgt Ion:228 Resp: 69558
 Ion Ratio Lower Upper
 228 100
 226 32.6 22.0 33.0
 229 22.0 16.0 24.0

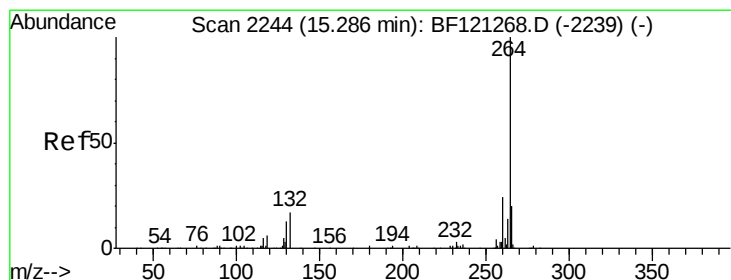
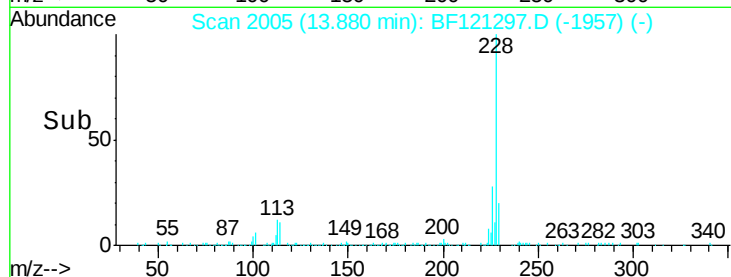
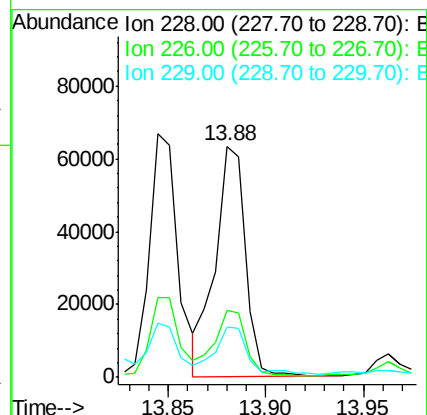
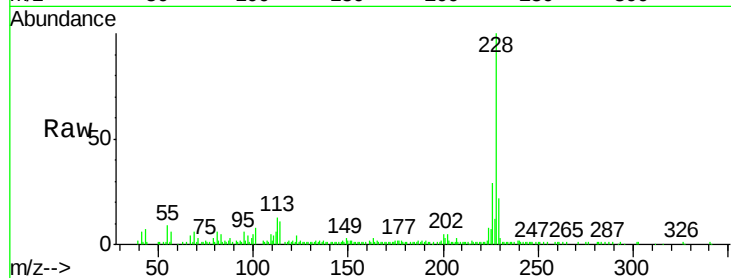




#83
Chrysene
Concen: 3.807 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF121297.D
Acq: 14 Aug 2020 21:26

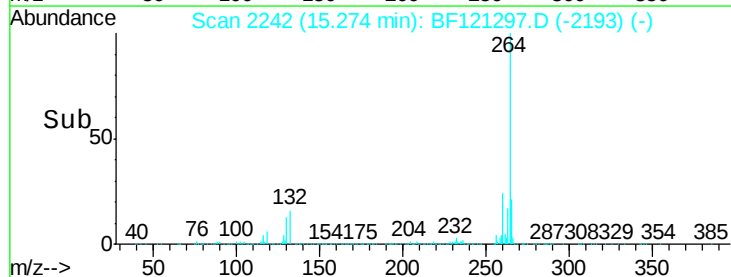
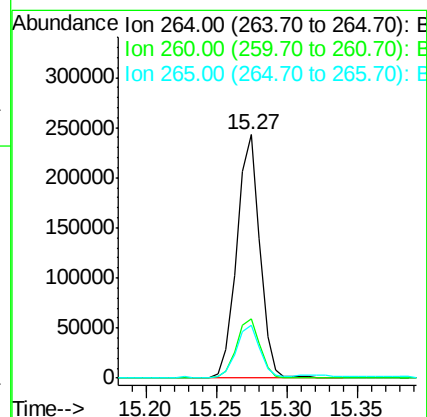
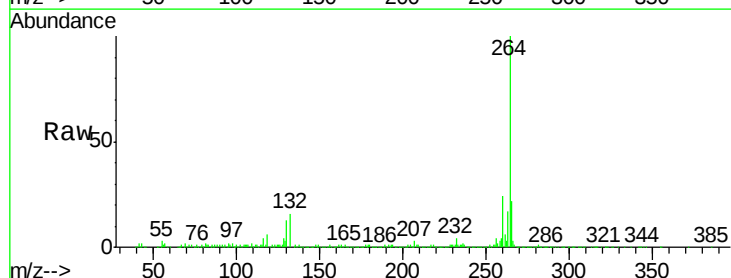
Instrument :
BNA_F
ClientSampleId :
TP-6

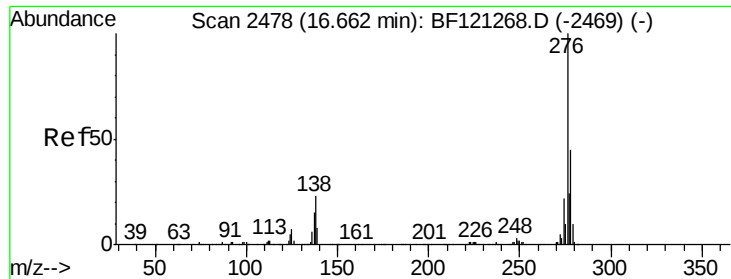
Tot Ion:228 Resp: 68778
Ion Ratio Lower Upper
228 100
226 28.8 24.8 37.2
229 21.8 16.2 24.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF121297.D
Acq: 14 Aug 2020 21:26

Tgt Ion:264 Resp: 274189
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 21.7 17.1 25.7

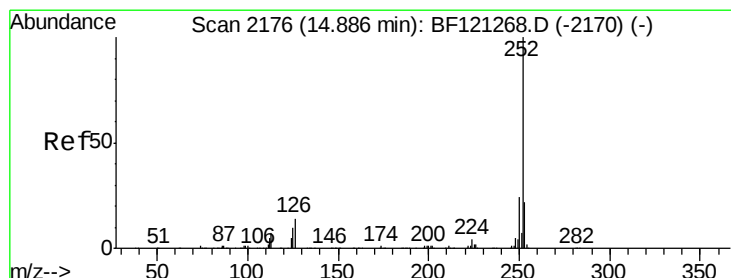
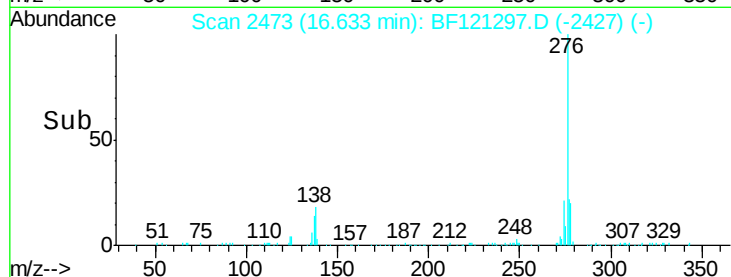
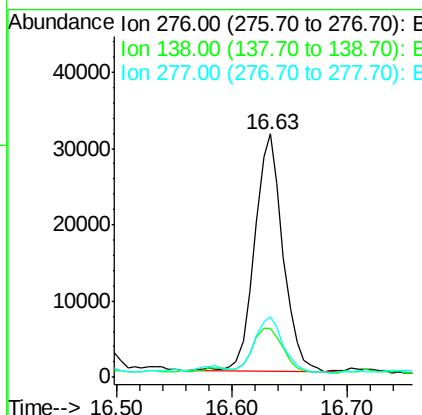
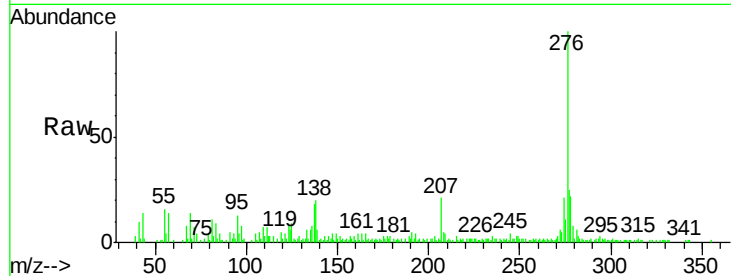




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.605 ng
 RT: 16.63 min Scan# 2473
 Delta R.T. -0.03 min
 Lab File: BF121297.D
 Acq: 14 Aug 2020 21:26

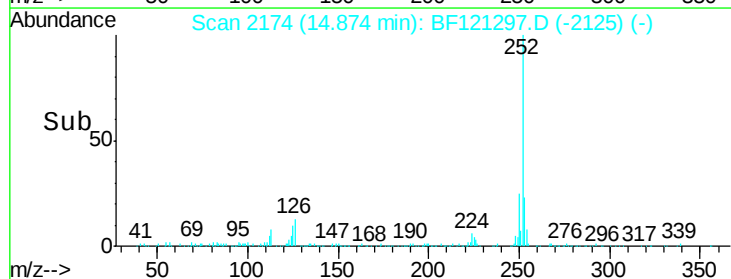
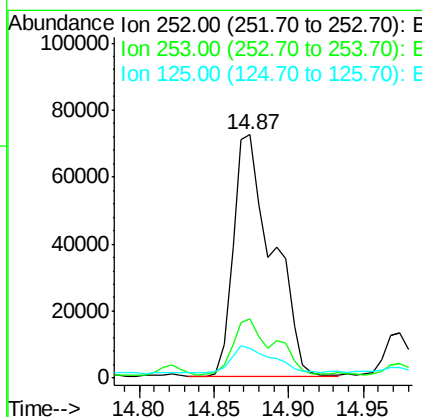
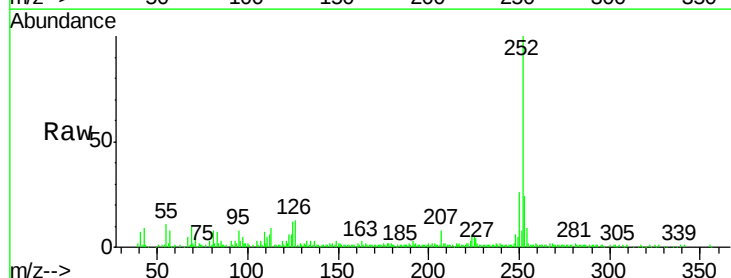
Instrument :
 BNA_F
 ClientSampleId :
 TP-6

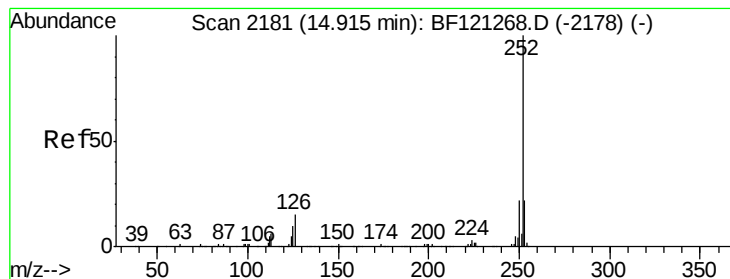
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.4	19.6	29.4
277	24.4	20.0	30.0



#88
 Benzo(b)fluoranthene
 Concen: 7.138 ng
 RT: 14.87 min Scan# 2174
 Delta R.T. -0.01 min
 Lab File: BF121297.D
 Acq: 14 Aug 2020 21:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	12.2	7.6	11.4





#89

Benzo(k)fluoranthene

Concen: 7.687 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.04 min

Lab File: BF121297.D

Acq: 14 Aug 2020 21:26

Instrument :

BNA_F

ClientSampleId :

TP-6

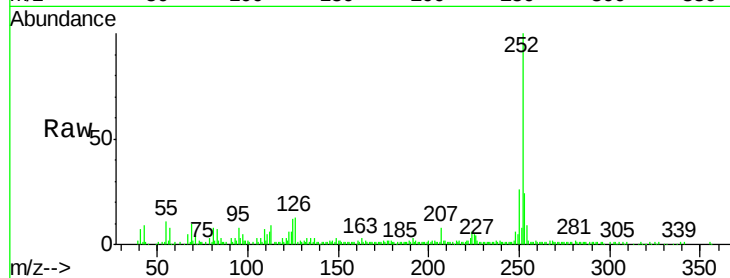
Tot Ion:252 Resp: 131140

Ion Ratio Lower Upper

252 100

253 24.1 18.0 27.0

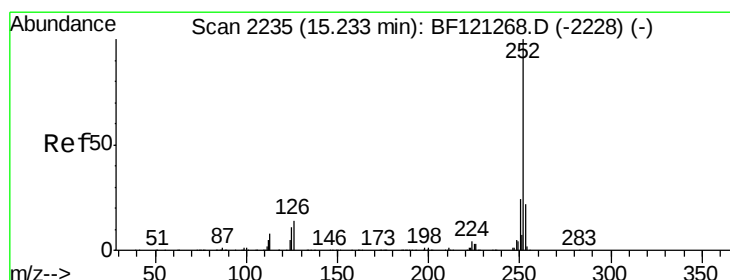
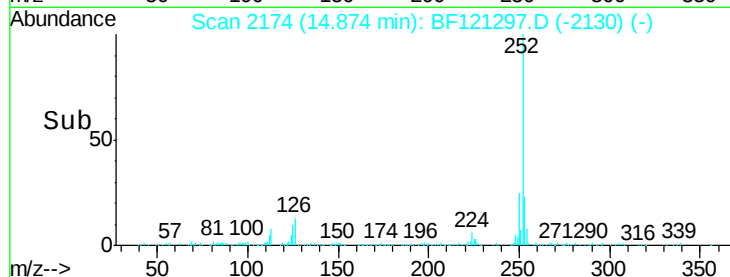
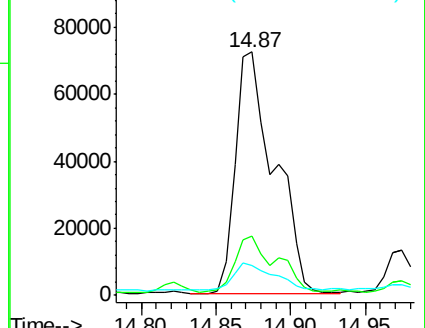
125 12.2 8.8 13.2



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



#90

Benzo(a)pyrene

Concen: 4.197 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.02 min

Lab File: BF121297.D

Acq: 14 Aug 2020 21:26

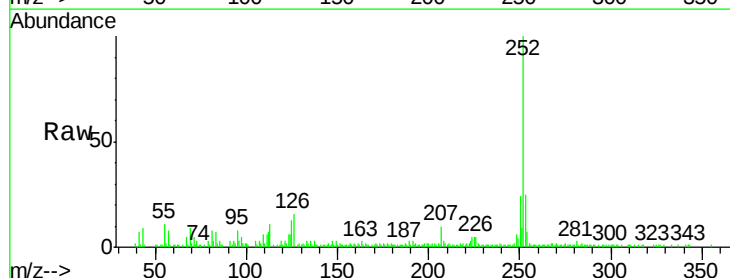
Tgt Ion:252 Resp: 69591

Ion Ratio Lower Upper

252 100

253 24.7 18.0 27.0

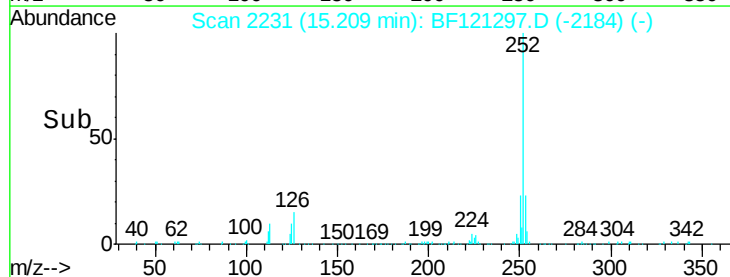
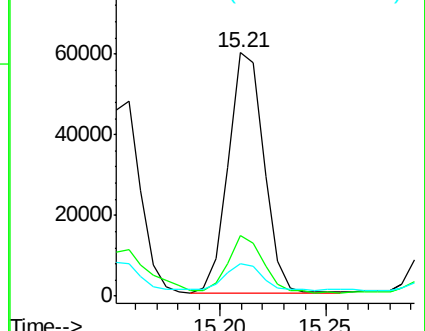
125 13.2 9.3 13.9

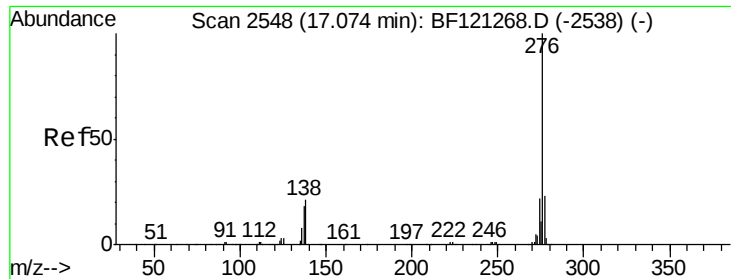


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 3.257 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. -0.03 min
 Lab File: BF121297.D
 Acq: 14 Aug 2020 21:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-6

Tot Ion:276	Resp:	56145
Ion	Ratio	Lower Upper
276	100	
277	22.7	19.1 28.7
138	21.1	16.2 24.2

