

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081420\
 Data File : BF121295.D
 Acq On : 14 Aug 2020 20:23
 Operator : JU/CG
 Sample : L3681-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

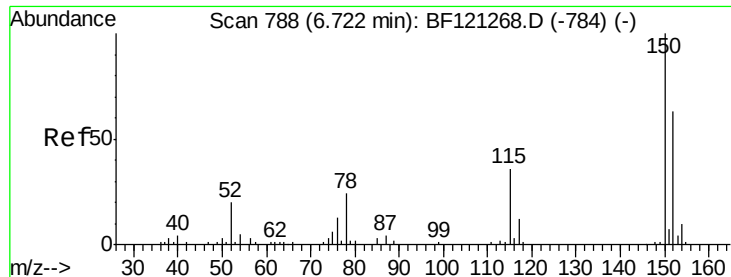
Quant Time: Aug 17 01:05:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 13 15:23:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	79773	20.00	ng	-0.02
21) Naphthalene-d8	7.99	136	310585	20.00	ng	-0.02
39) Acenaphthene-d10	9.74	164	165313	20.00	ng	-0.02
64) Phenanthrene-d10	11.22	188	333413	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	310424	20.00	ng	-0.02
86) Perylene-d12	15.27	264	289602	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	482094	91.62	ng	0.00
7) Phenol-d6	6.34	99	586869	86.55	ng	-0.02
23) Nitrobenzene-d5	7.27	82	372169	65.49	ng	-0.02
42) 2,4,6-Tribromophenol	10.53	330	187716	92.23	ng	-0.02
45) 2-Fluorobiphenyl	9.07	172	711437	59.53	ng	-0.01
79) Terphenyl-d14	12.81	244	828931	52.05	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	48507	12.875	ng	# 78
25) Isophorone	7.27	82	372164	32.618	ng	# 63
50) Dimethylphthalate	9.46	163	70743	5.687	ng	98
54) 2,4-Dinitrophenol	10.03	184	113	4.441	ng	# 26
65) 4,6-Dinitro-2-methylphenol	10.53	198	356	6.085	ng	# 1
67) 4-Bromophenyl-phenylether	10.53	248	10821	2.782	ng	# 1
71) Phenanthrene	11.25	178	73472	3.852	ng	98
75) Fluoranthene	12.43	202	131855	6.208	ng	98
78) Pyrene	12.66	202	129744	5.613	ng	99
81) Benzo(a)anthracene	13.85	228	79999	3.800	ng	98
83) Chrysene	13.88	228	71292	3.316	ng	97
87) Indeno(1,2,3-cd)pyrene	16.63	276	55253	2.566	ng	97
88) Benzo(b)fluoranthene	14.87	252	137305	7.076	ng	98
89) Benzo(k)fluoranthene	14.87	252	137305	7.620	ng	99
90) Benzo(a)pyrene	15.21	252	79857	4.560	ng	98
92) Benzo(g,h,i)perylene	17.03	276	58325	3.203	ng	95

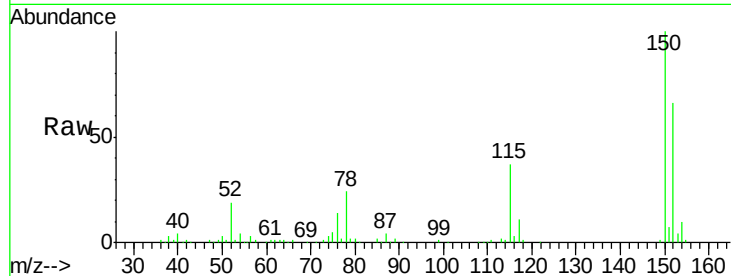
(#) = qualifier out of range (m) = manual integration (+) = signals summed



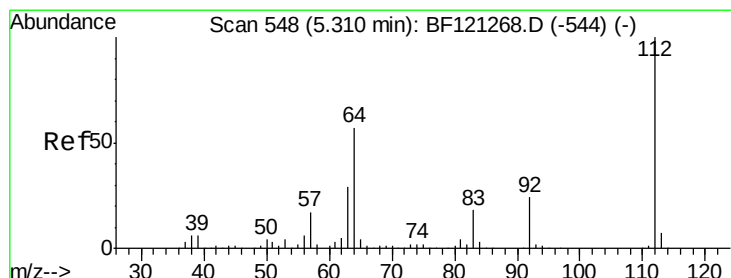
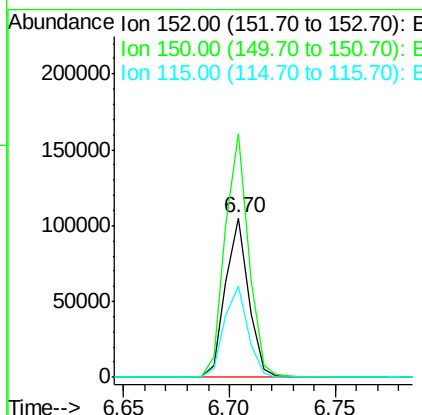
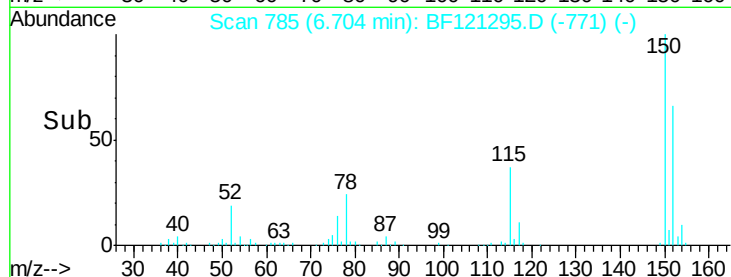
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. -0.02 min
 Lab File: BF121295.D
 Acq: 14 Aug 2020 20:23

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tot Ion:152 Resp: 79773
 Ion Ratio Lower Upper
 152 100
 150 152.4 129.0 193.6
 115 56.8 49.0 73.4

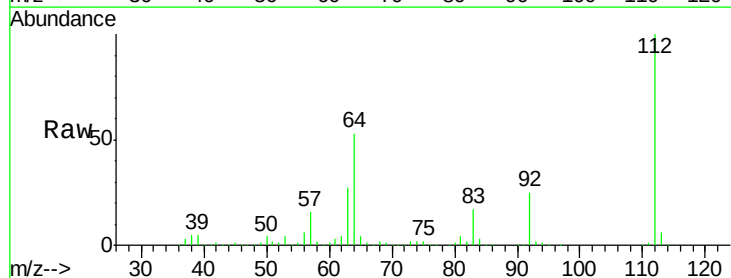


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

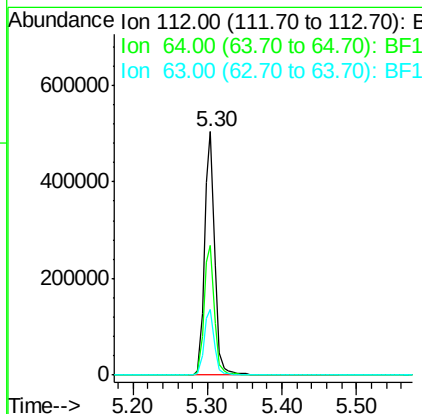
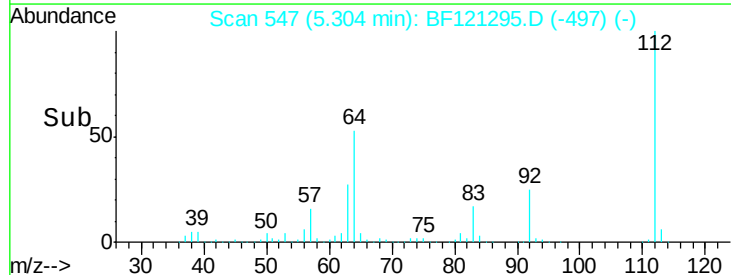


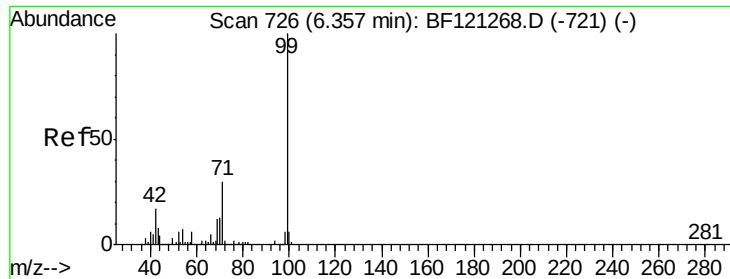
#5
 2-Fluorophenol
 Concen: 91.621 ng
 RT: 5.30 min Scan# 547
 Delta R.T. -0.01 min
 Lab File: BF121295.D
 Acq: 14 Aug 2020 20:23

Tgt Ion:112 Resp: 482094
 Ion Ratio Lower Upper
 112 100
 64 53.4 45.4 68.2
 63 27.2 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: 86.551 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF121295.D

Acq: 14 Aug 2020 20:23

Instrument :

BNA_F

ClientSampleId :

TP-2

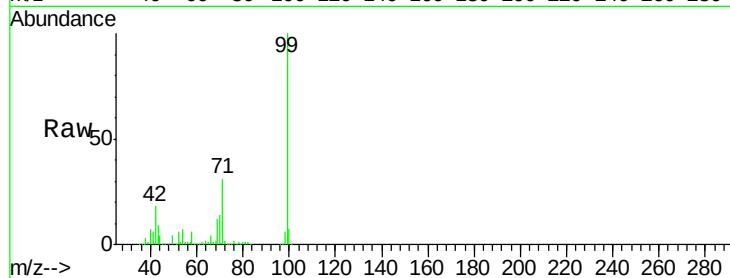
Tot Ion: 99 Resp: 586869

Ion Ratio Lower Upper

99 100

42 17.6 13.1 19.7

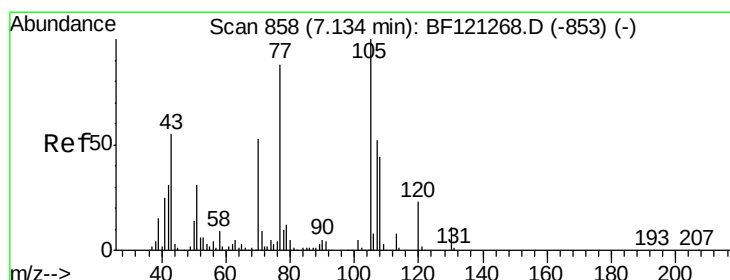
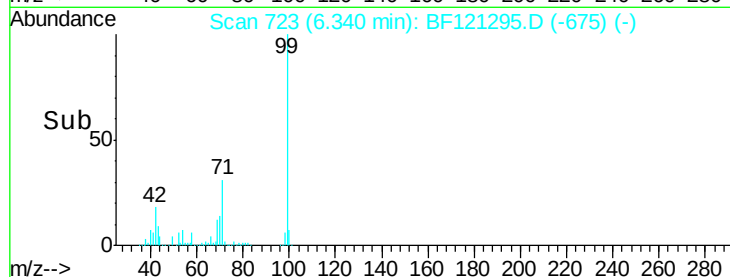
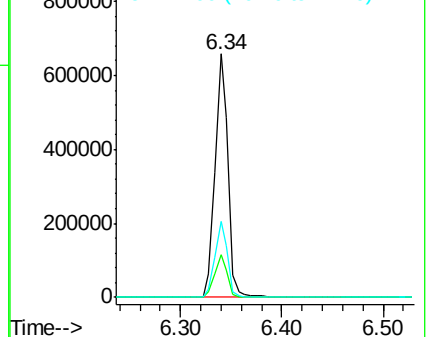
71 31.3 23.7 35.5



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.875 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF121295.D

Acq: 14 Aug 2020 20:23

Tgt Ion: 70 Resp: 48507

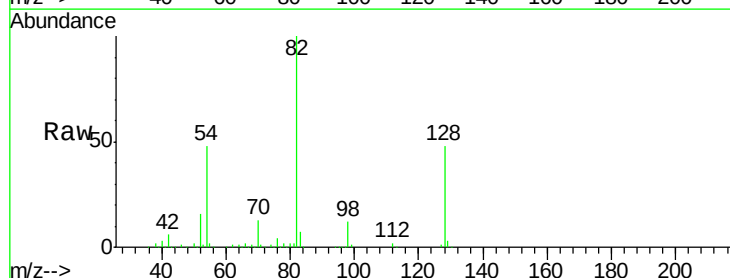
Ion Ratio Lower Upper

70 100

42 47.0 45.6 68.4

101 0.0 7.8 11.8#

130 2.5 18.2 27.2#

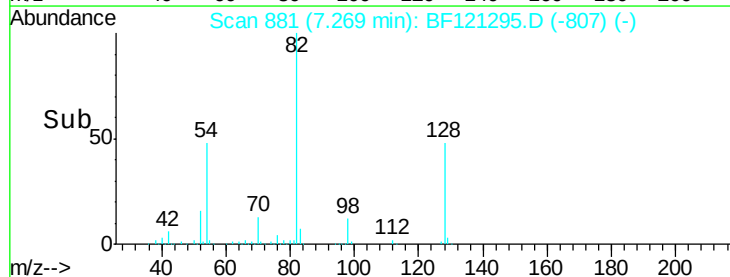
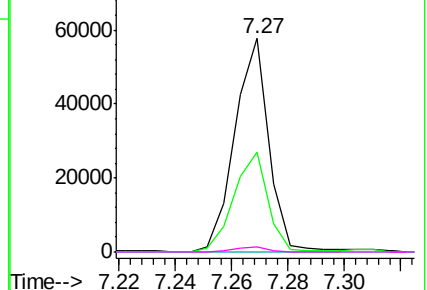


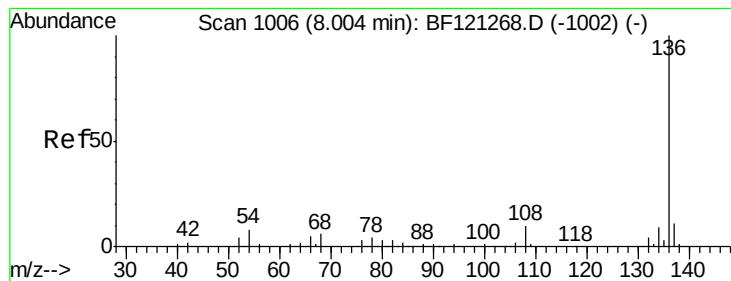
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.02 min

Lab File: BF121295.D

Acq: 14 Aug 2020 20:23

Instrument :

BNA_F

ClientSampleId :

TP-2

Tot Ion:136 Resp: 310585

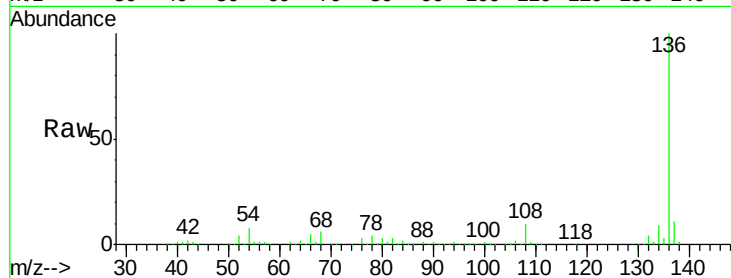
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 7.9 5.3 7.9

68 6.1 4.2 6.2

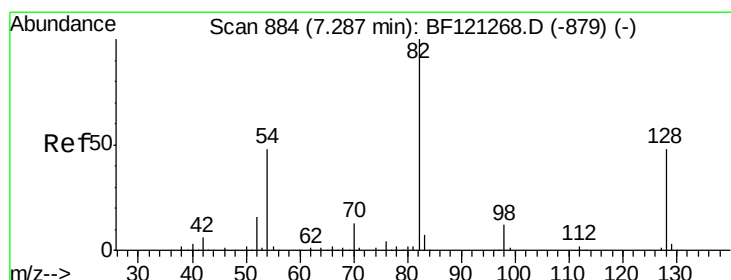
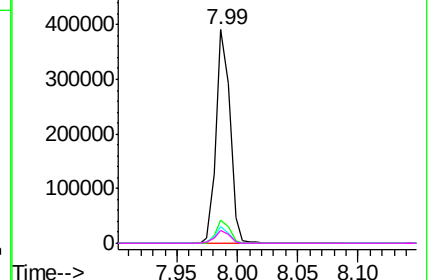
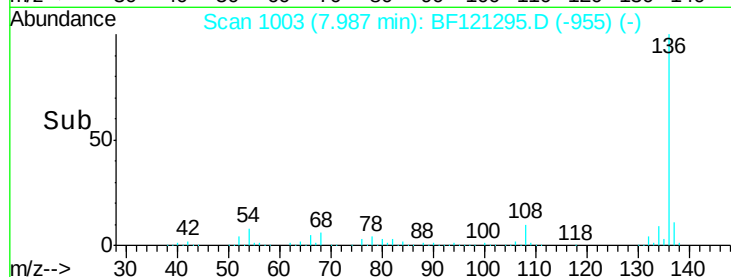


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.490 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.02 min

Lab File: BF121295.D

Acq: 14 Aug 2020 20:23

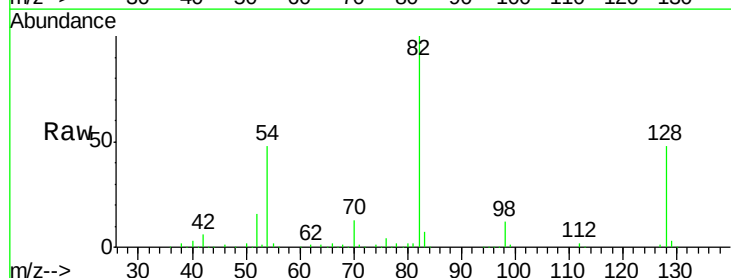
Tgt Ion: 82 Resp: 372169

Ion Ratio Lower Upper

82 100

128 48.0 39.8 59.8

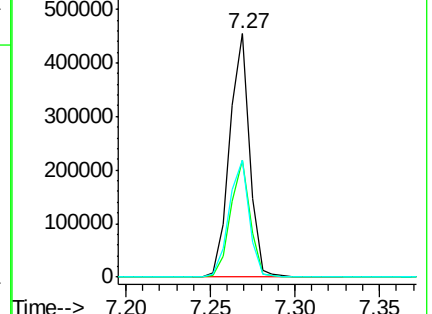
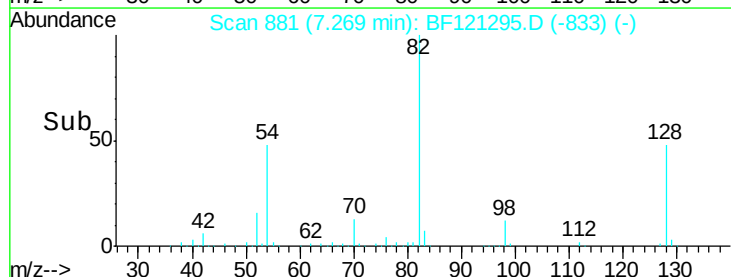
54 48.0 37.7 56.5

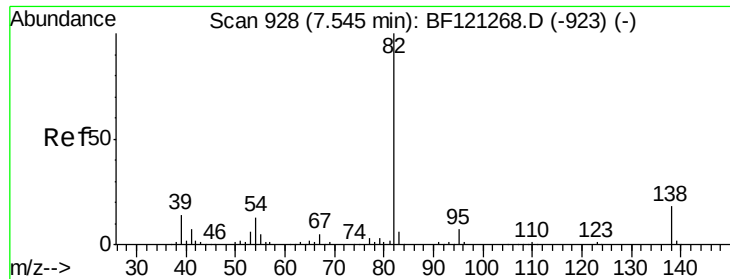


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.618 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF121295.D

Acq: 14 Aug 2020 20:23

Instrument :

BNA_F

ClientSampleId :

TP-2

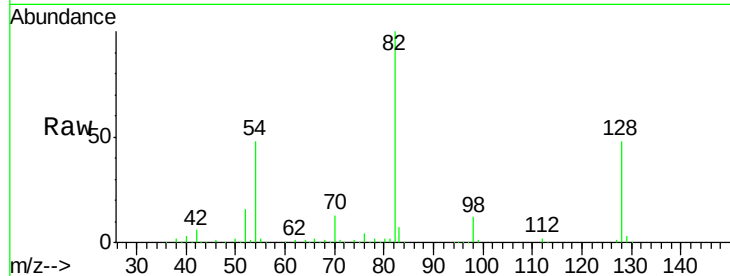
Tot Ion: 82 Resp: 372164

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

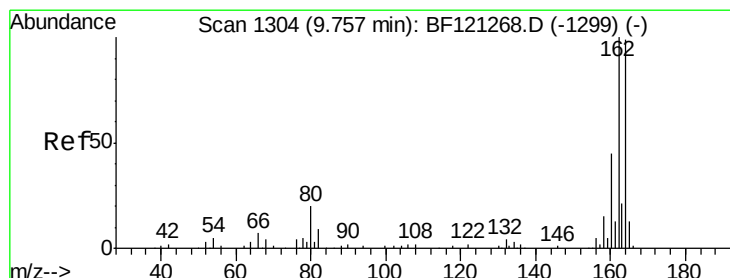
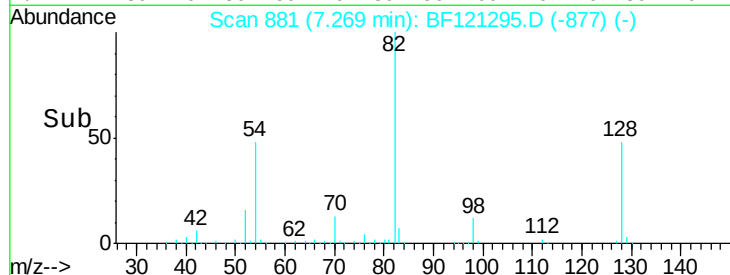
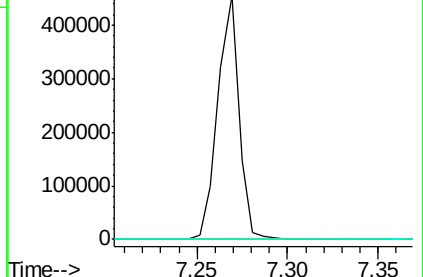
138 0.0 16.0 24.0#



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: BF121295.D

Acq: 14 Aug 2020 20:23

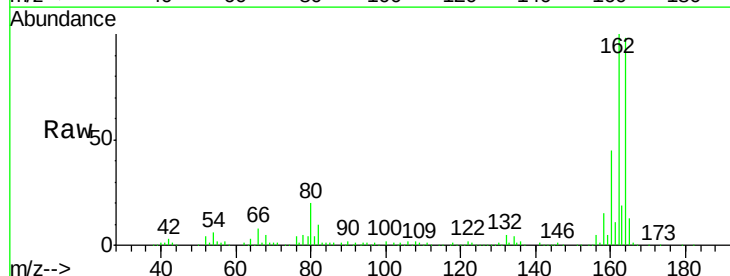
Tgt Ion: 164 Resp: 165313

Ion Ratio Lower Upper

164 100

162 102.2 81.2 121.8

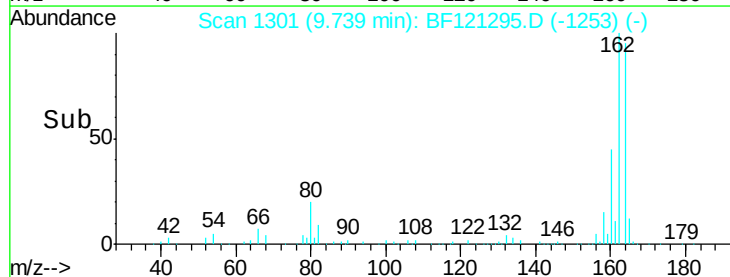
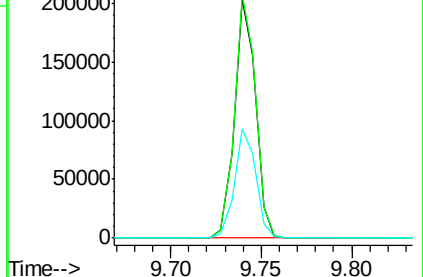
160 45.7 36.9 55.3

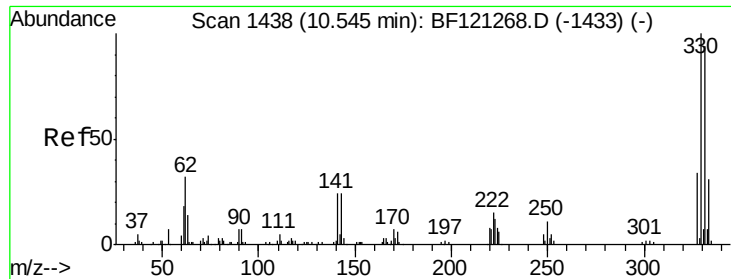


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 92.229 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.02 min

Lab File: BF121295.D

Acq: 14 Aug 2020 20:23

Instrument :

BNA_F

ClientSampleId :

TP-2

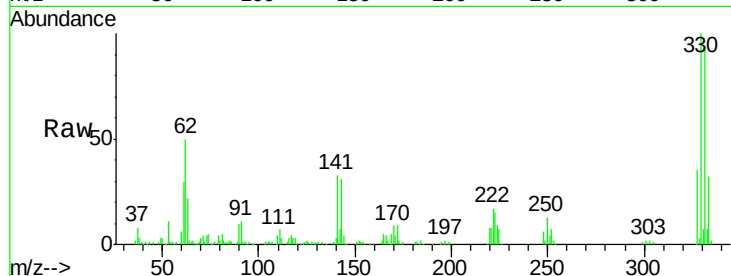
Tot Ion:330 Resp: 187716

Ion Ratio Lower Upper

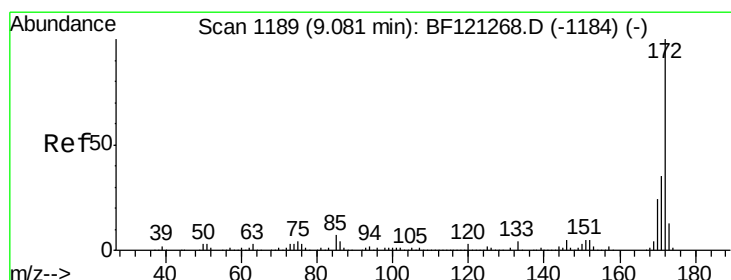
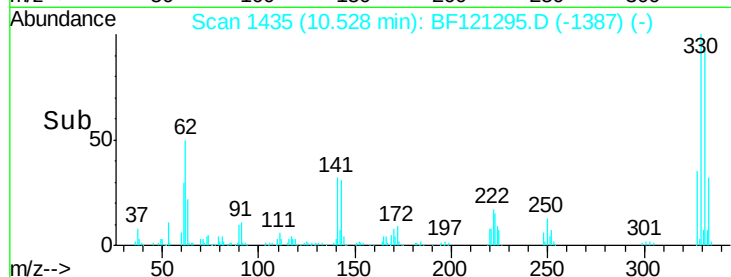
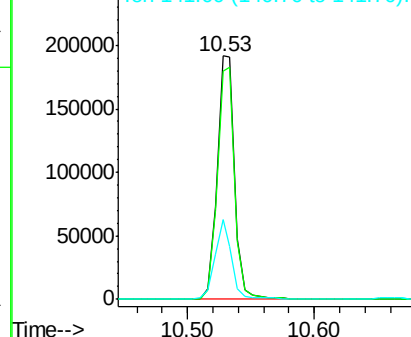
330 100

332 95.2 75.4 113.0

141 29.9 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: 59.531 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF121295.D

Acq: 14 Aug 2020 20:23

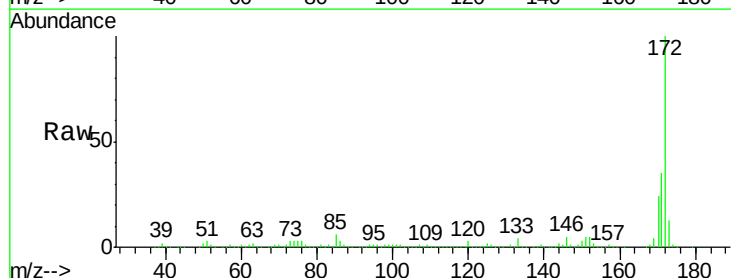
Tgt Ion:172 Resp: 711437

Ion Ratio Lower Upper

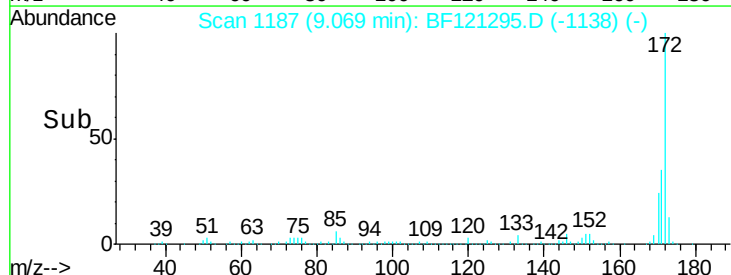
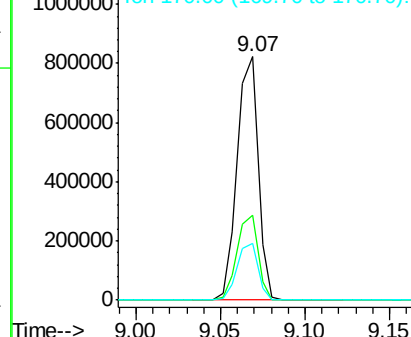
172 100

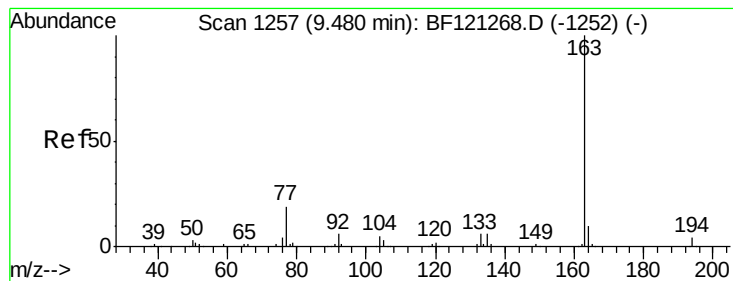
171 35.0 28.3 42.5

170 23.6 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: 5.687 ng

RT: 9.46 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF121295.D

Acq: 14 Aug 2020 20:23

Instrument :

BNA_F

ClientSampleId :

TP-2

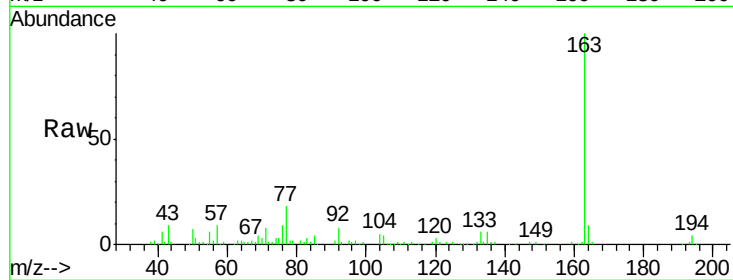
Tot Ion:163 Resp: 70743

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.6

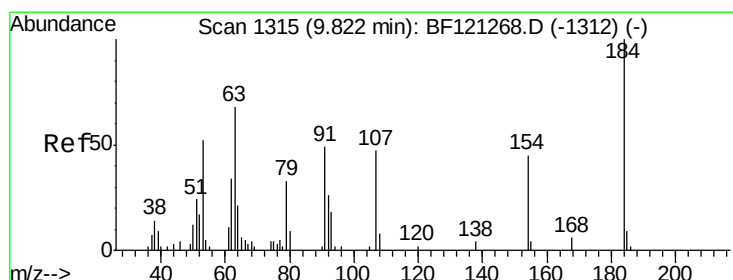
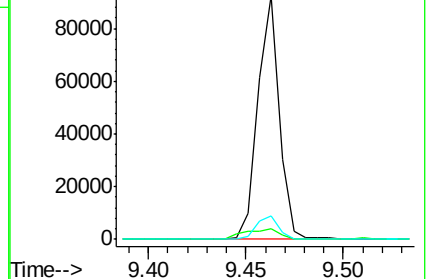
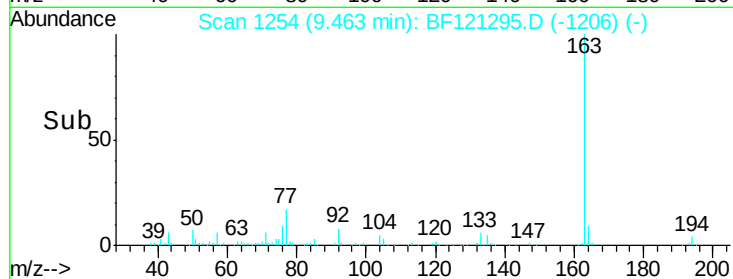
164 9.4 8.1 12.1



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



#54

2,4-Dinitrophenol

Concen: 4.441 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.21 min

Lab File: BF121295.D

Acq: 14 Aug 2020 20:23

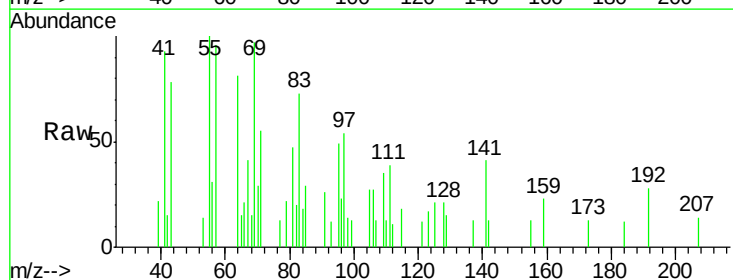
Tgt Ion:184 Resp: 113

Ion Ratio Lower Upper

184 100

63 0.0 39.4 59.2#

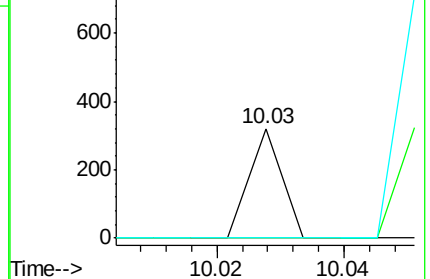
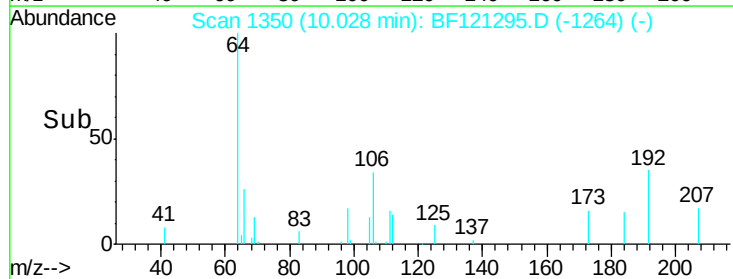
154 0.0 43.4 65.0#

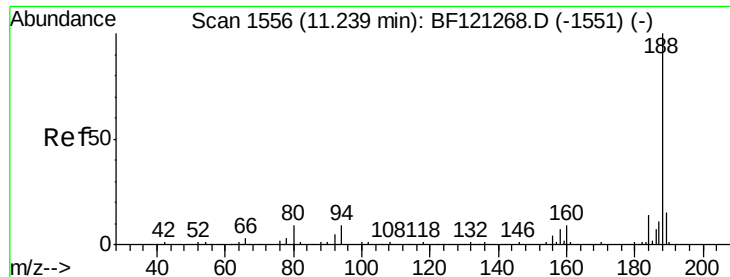


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1553

Delta R.T. -0.02 min

Lab File: BF121295.D

Acq: 14 Aug 2020 20:23

Instrument :

BNA_F

ClientSampleId :

TP-2

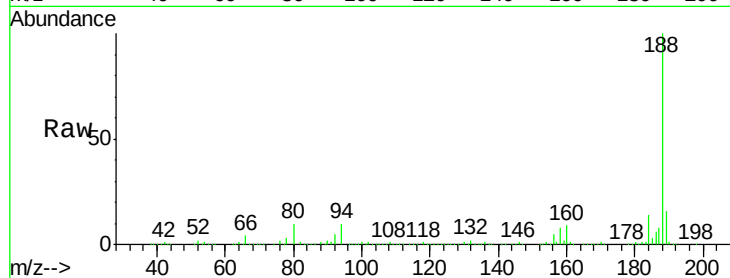
Tot Ion:188 Resp: 333413

Ion Ratio Lower Upper

188 100

94 10.3 7.0 10.6

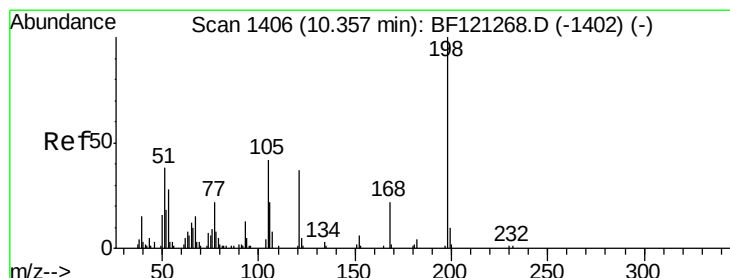
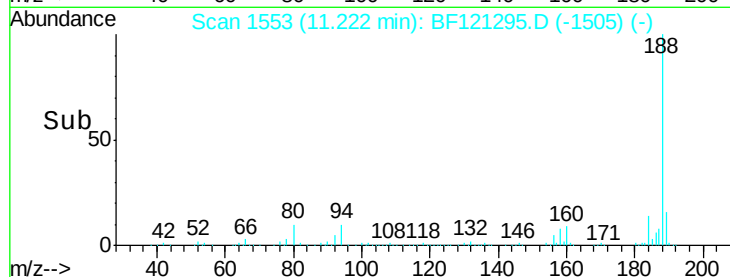
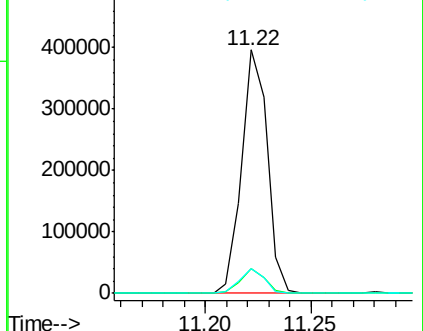
80 10.3 7.4 11.0



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



#65

4,6-Dinitro-2-methylphenol

Concen: 6.085 ng

RT: 10.53 min Scan# 1435

Delta R.T. 0.17 min

Lab File: BF121295.D

Acq: 14 Aug 2020 20:23

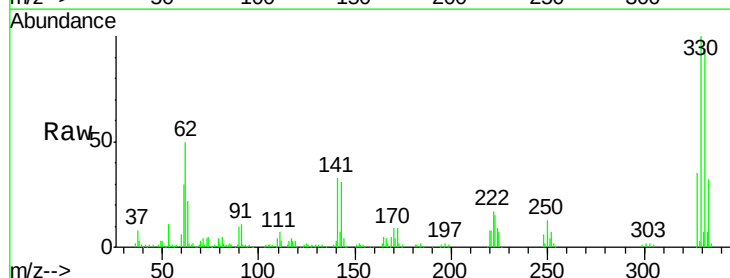
Tgt Ion:198 Resp: 356

Ion Ratio Lower Upper

198 100

51 147.7 29.1 69.1#

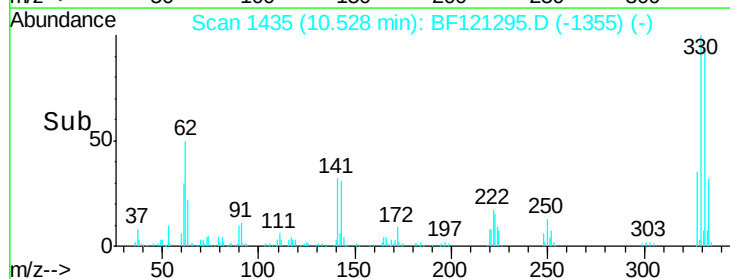
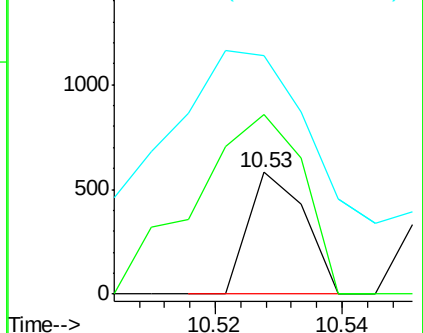
105 196.0 28.3 68.3#

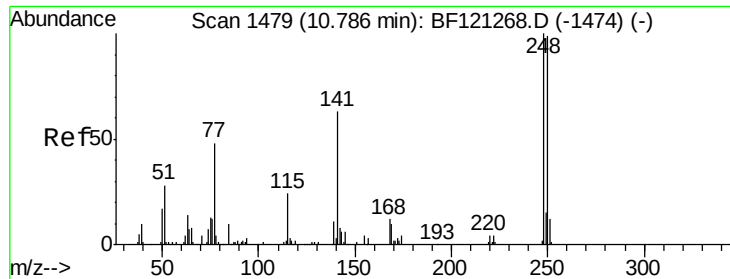


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

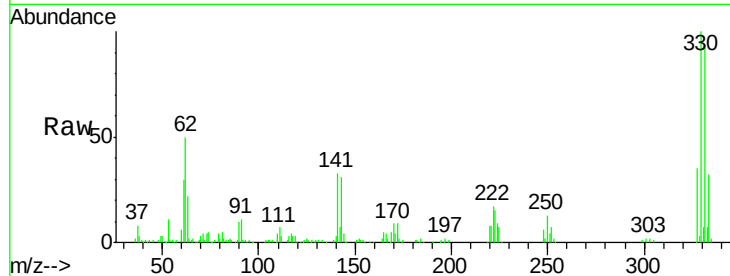




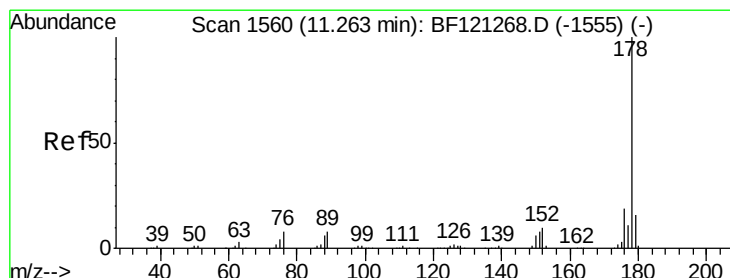
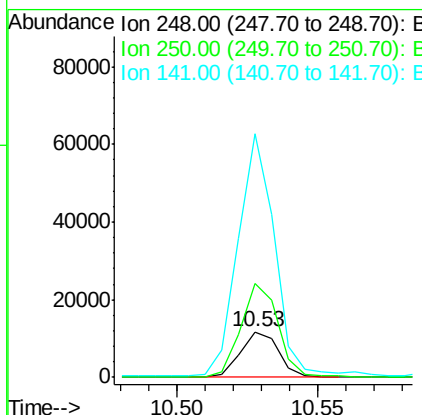
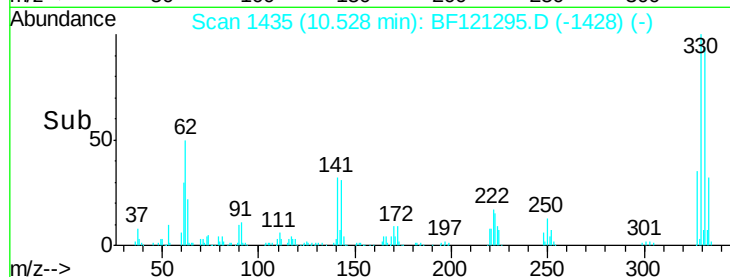
#67
 4-Bromophenyl-phenylether
 Concen: 2.782 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.26 min
 Lab File: BF121295.D
 Acq: 14 Aug 2020 20:23

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tot Ion:248 Resp: 10821
 Ion Ratio Lower Upper
 248 100
 250 208.4 77.7 116.5#
 141 538.1 53.4 80.2#

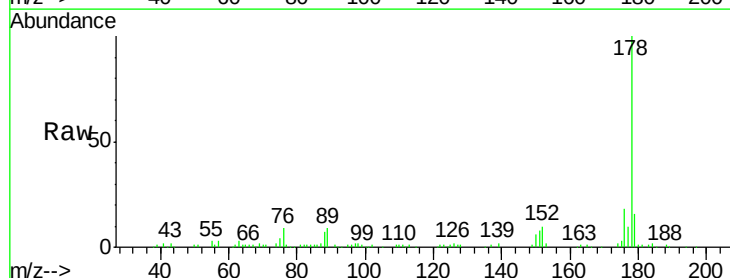


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

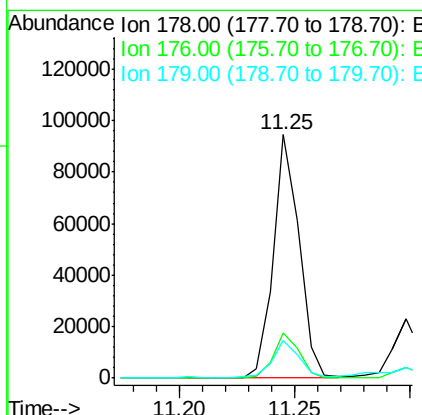
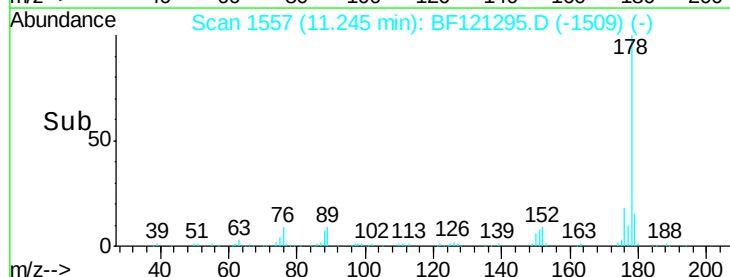


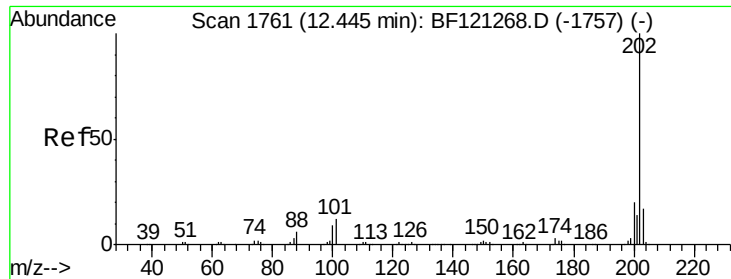
#71
 Phenanthrene
 Concen: 3.852 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF121295.D
 Acq: 14 Aug 2020 20:23

Tgt Ion:178 Resp: 73472
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.8
 179 15.7 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: 6.208 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BF121295.D

Acq: 14 Aug 2020 20:23

Instrument :

BNA_F

ClientSampleId :

TP-2

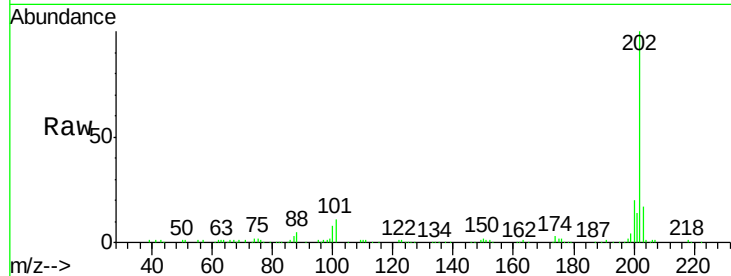
Tot Ion:202 Resp: 131855

Ion Ratio Lower Upper

202 100

101 10.9 0.0 30.6

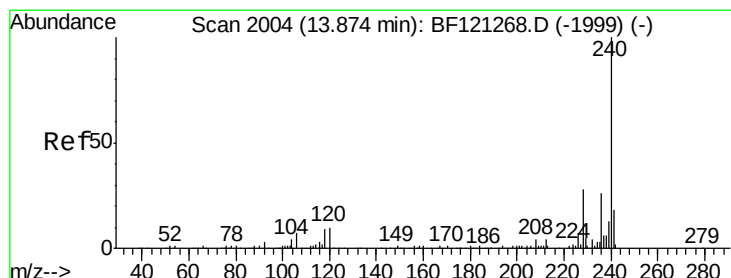
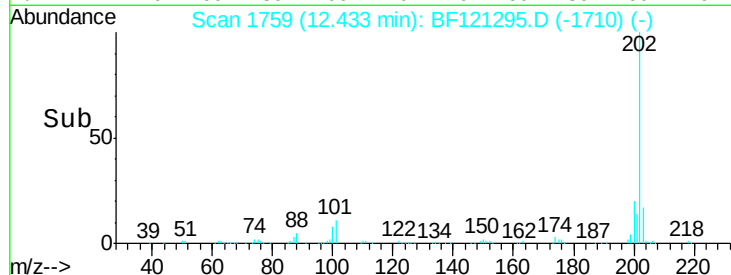
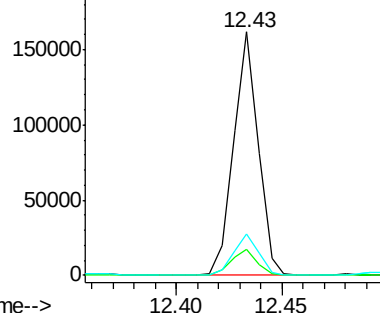
203 17.0 0.0 38.0



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: BF121295.D

Acq: 14 Aug 2020 20:23

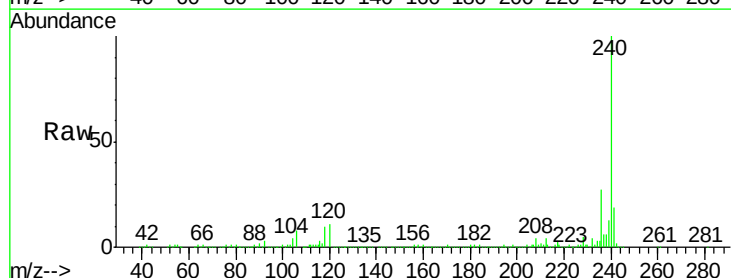
Tgt Ion:240 Resp: 310424

Ion Ratio Lower Upper

240 100

120 11.4 9.2 13.8

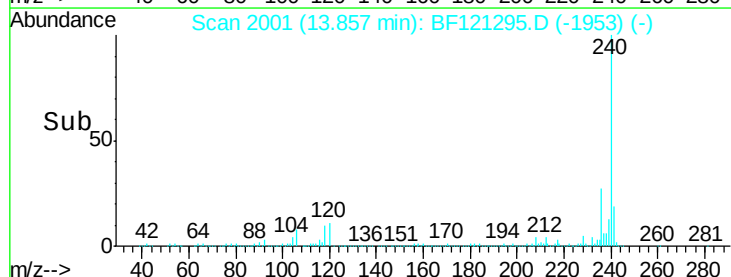
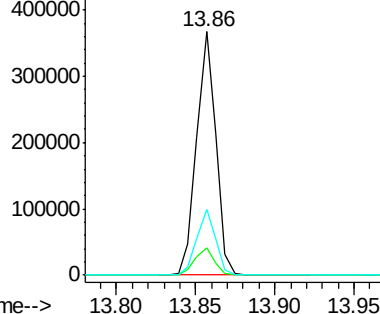
236 27.2 21.0 31.4

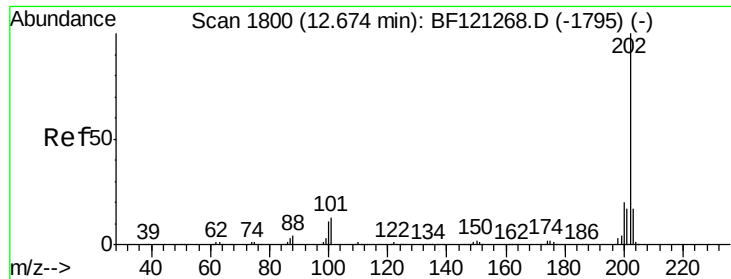


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

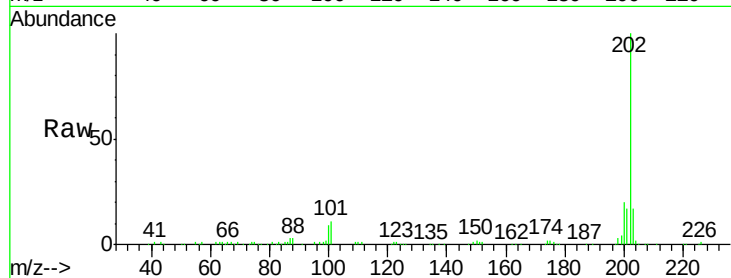




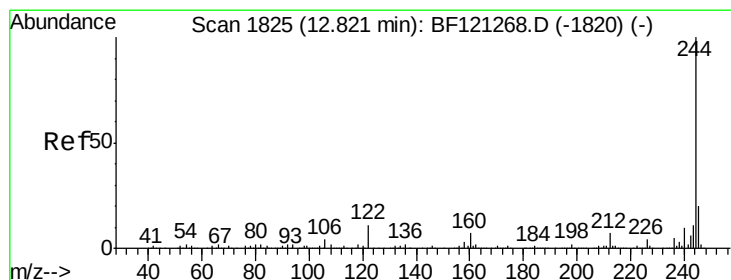
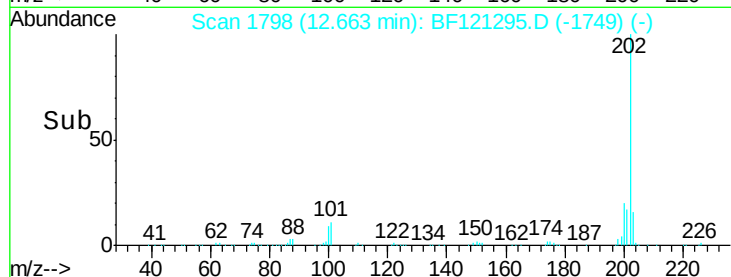
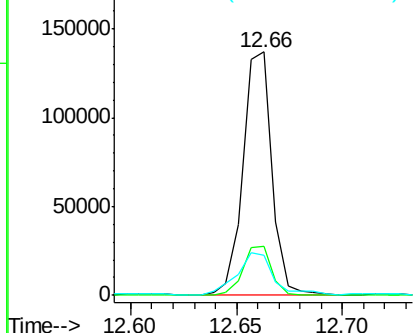
#78
Pvrene
Concen: 5.613 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BF121295.D
Acq: 14 Aug 2020 20:23

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion:202 Resp: 129744
Ion Ratio Lower Upper
202 100
200 20.0 16.3 24.5
203 16.6 13.8 20.8

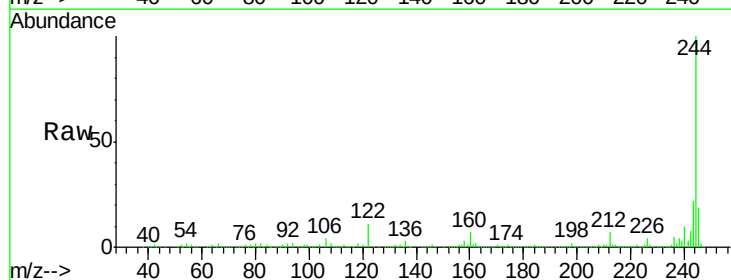


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

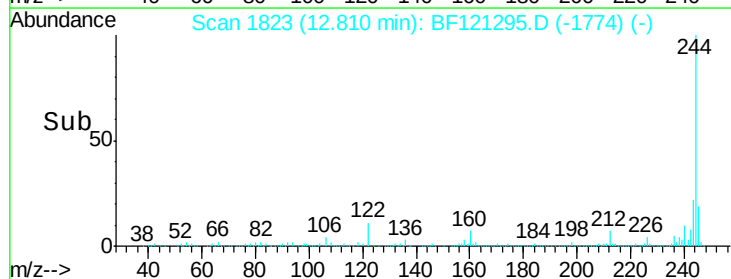
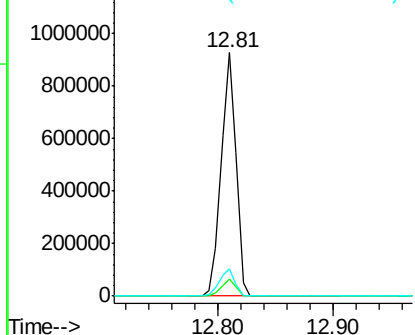


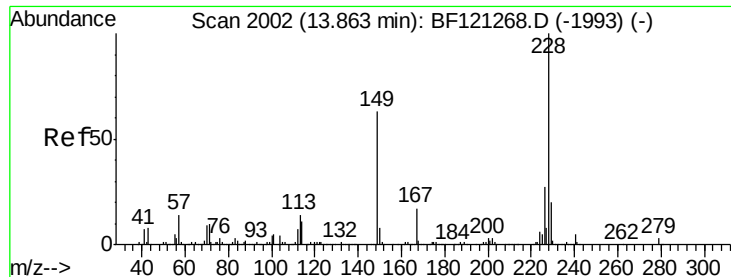
#79
Terphenyl-d14
Concen: 52.054 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF121295.D
Acq: 14 Aug 2020 20:23

Tgt Ion:244 Resp: 828931
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 11.1 9.1 13.7



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: 3.800 ng

RT: 13.85 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF121295.D

Acq: 14 Aug 2020 20:23

Instrument :

BNA_F

ClientSampled :

TP-2

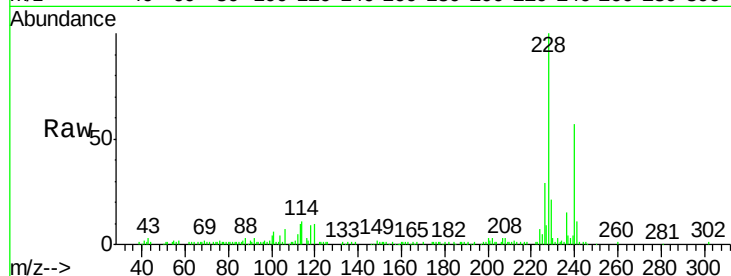
Tot Ion:228 Resp: 79999

Ion Ratio Lower Upper

228 100

226 28.8 22.0 33.0

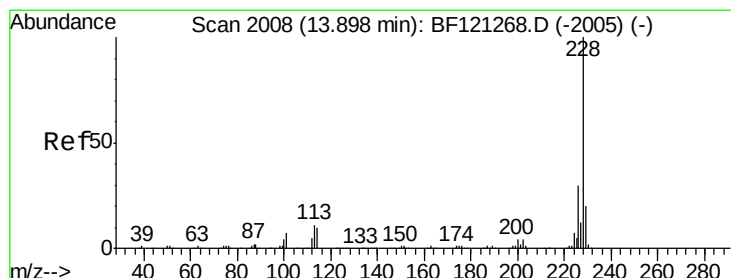
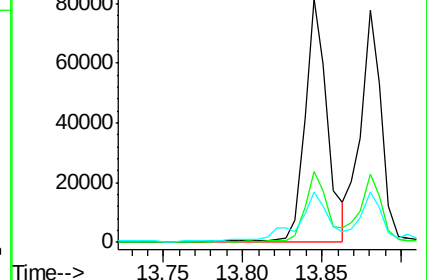
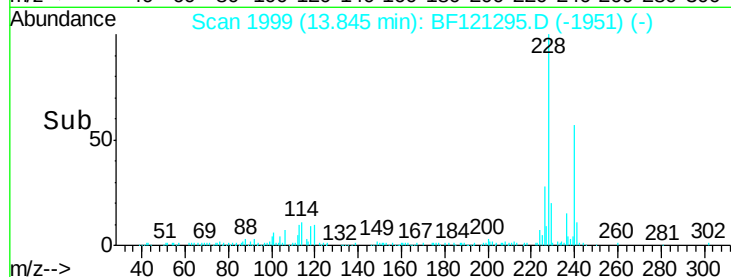
229 20.9 16.0 24.0



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: 3.316 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF121295.D

Acq: 14 Aug 2020 20:23

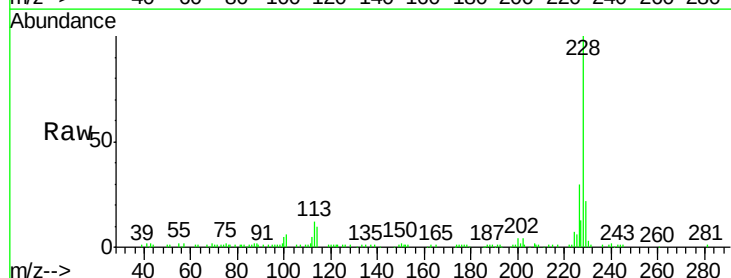
Tgt Ion:228 Resp: 71292

Ion Ratio Lower Upper

228 100

226 29.6 24.8 37.2

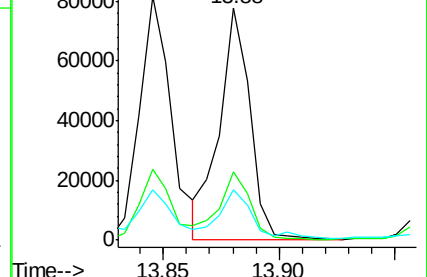
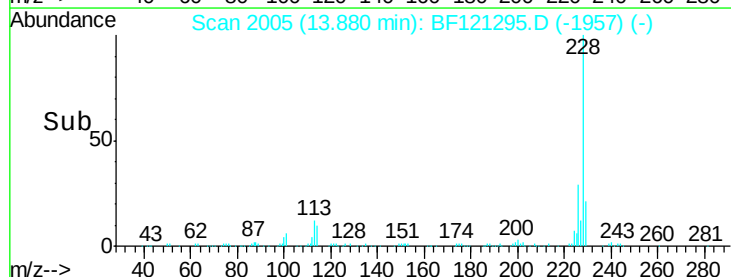
229 21.7 16.2 24.2

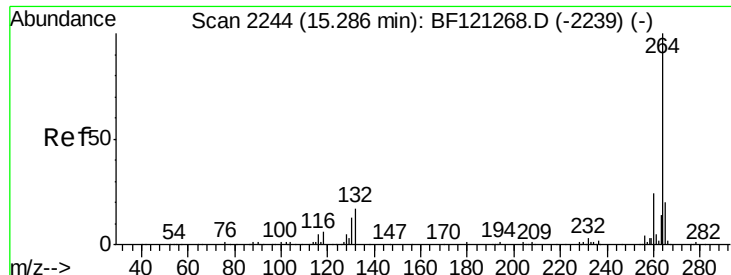


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



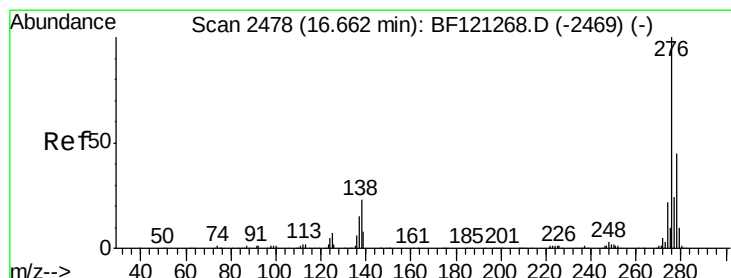
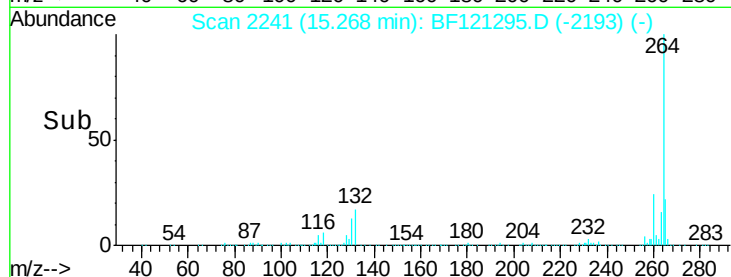
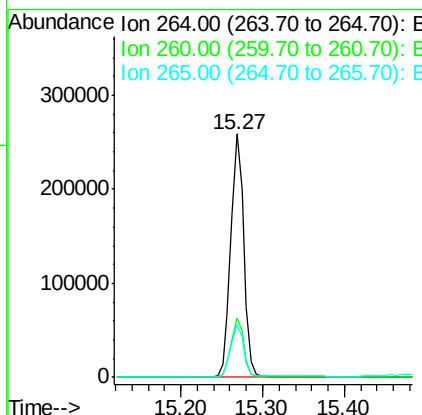
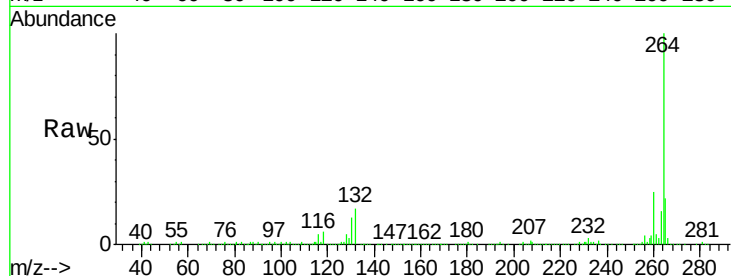


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.02 min
Lab File: BF121295.D
Acq: 14 Aug 2020 20:23

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion:264 Resp: 289602

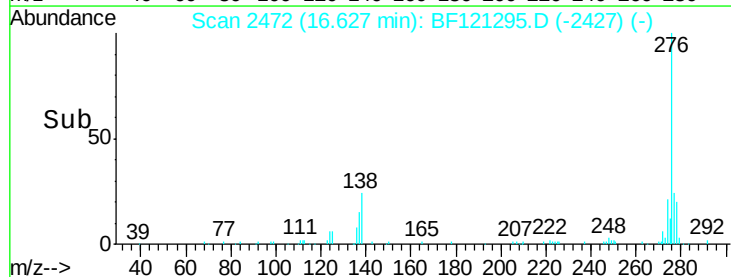
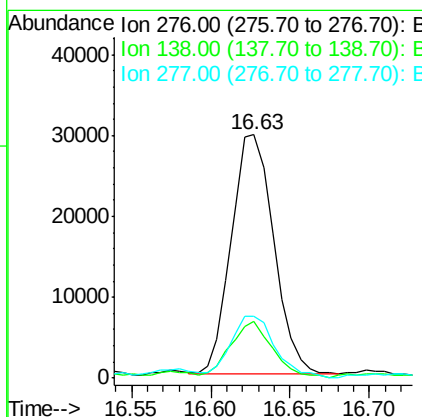
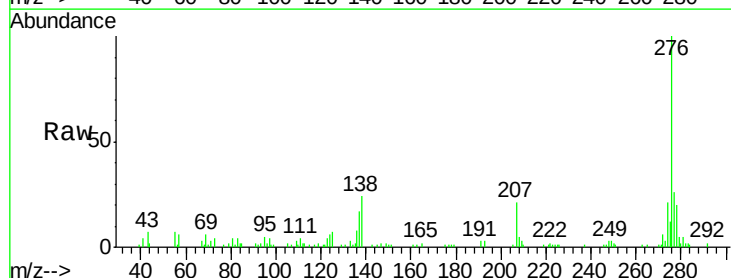
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.6	17.1	25.7

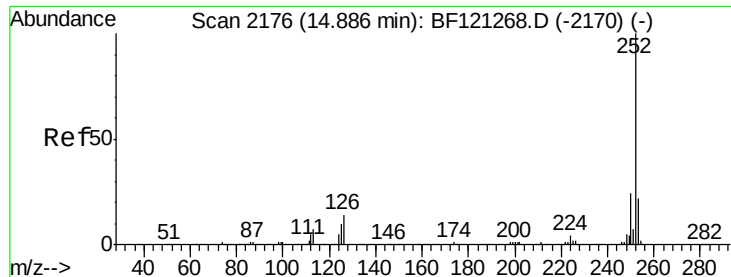


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.566 ng
RT: 16.63 min Scan# 2472
Delta R.T. -0.04 min
Lab File: BF121295.D
Acq: 14 Aug 2020 20:23

Tgt Ion:276 Resp: 55253

Ion	Ratio	Lower	Upper
276	100		
138	23.7	19.6	29.4
277	27.4	20.0	30.0

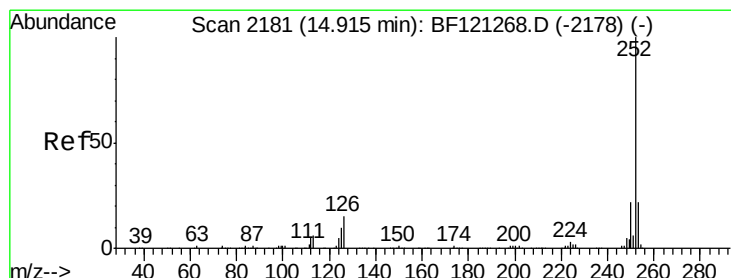
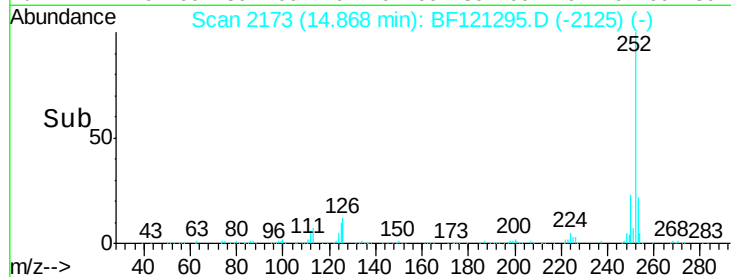
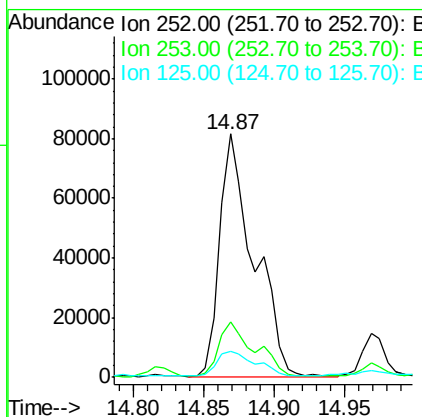
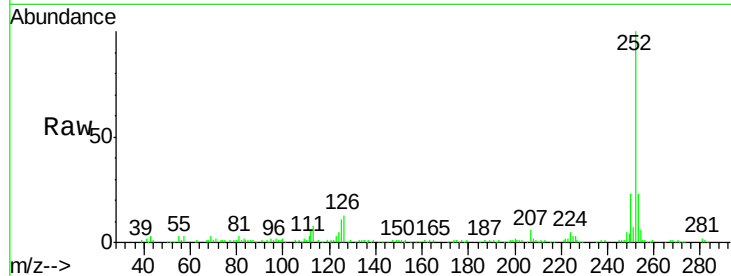




#88
Benzo(b)fluoranthene
Concen: 7.076 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.02 min
Lab File: BF121295.D
Acq: 14 Aug 2020 20:23

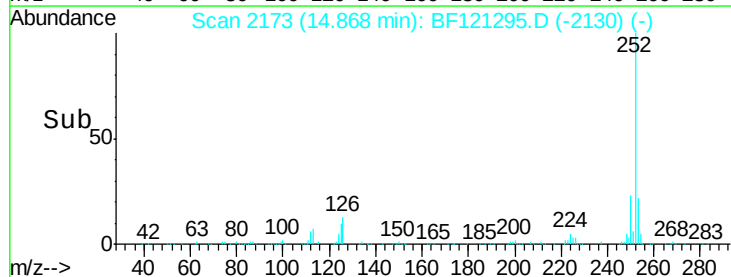
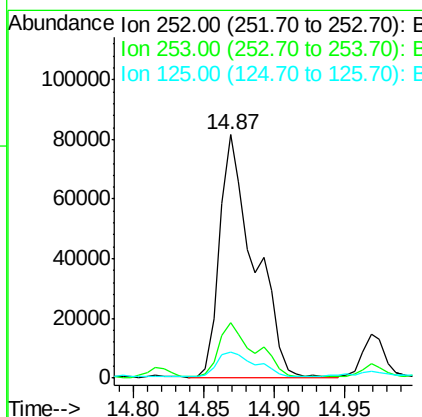
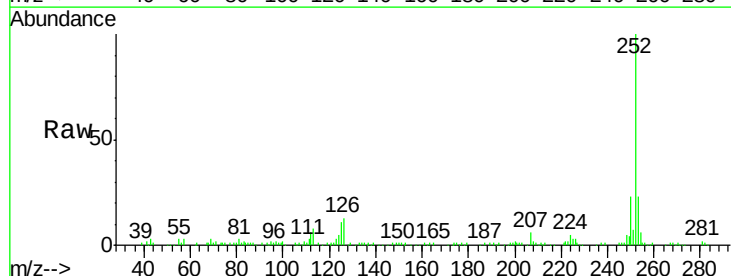
Instrument :
BNA_F
ClientSampled :
TP-2

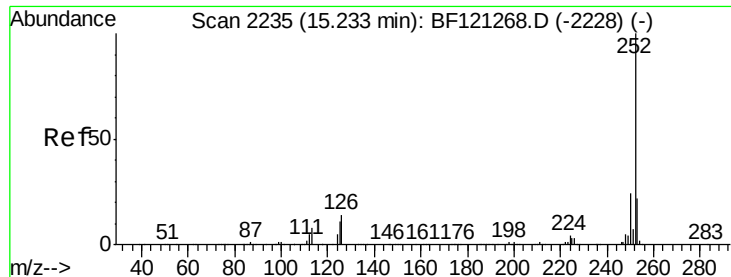
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	10.5	7.6	11.4



#89
Benzo(k)fluoranthene
Concen: 7.620 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.05 min
Lab File: BF121295.D
Acq: 14 Aug 2020 20:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	10.5	8.8	13.2

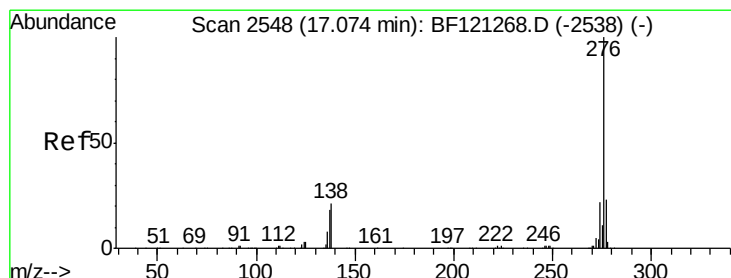
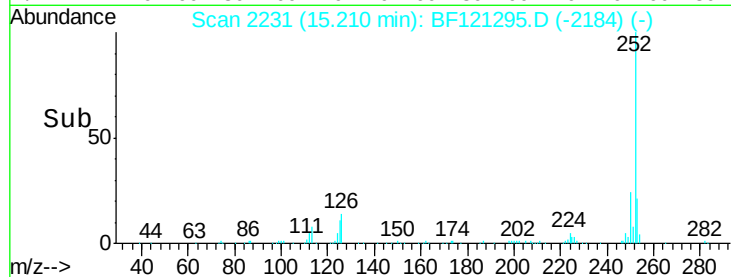
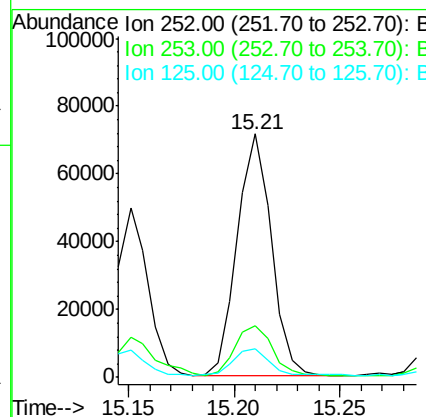
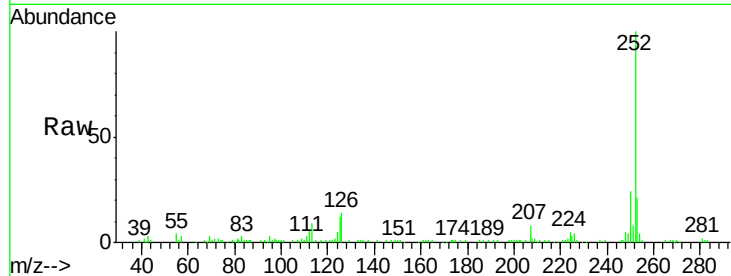




#90
Benzo(a)pyrene
Concen: 4.560 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.02 min
Lab File: BF121295.D
Acq: 14 Aug 2020 20:23

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion:252 Resp: 79857
Ion Ratio Lower Upper
252 100
253 21.4 18.0 27.0
125 11.6 9.3 13.9



#92
Benzo(g,h,i)perylene
Concen: 3.203 ng
RT: 17.03 min Scan# 2541
Delta R.T. -0.04 min
Lab File: BF121295.D
Acq: 14 Aug 2020 20:23

Tgt Ion:276 Resp: 58325
Ion Ratio Lower Upper
276 100
277 25.3 19.1 28.7
138 23.4 16.2 24.2

