

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
 Data File : BF121417.D
 Acq On : 25 Aug 2020 00:36
 Operator : JU/CG
 Sample : L3780-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-082120-A

Quant Time: Aug 25 03:25:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	164303	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	626020	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	309777	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	541688	20.00	ng	0.00
76) Chrysene-d12	13.86	240	383284	20.00	ng	0.01
86) Perylene-d12	15.27	264	413022	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	382230	38.15	ng	0.00
7) Phenol-d6	6.34	99	476999	37.29	ng	0.00
23) Nitrobenzene-d5	7.26	82	299368	27.05	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	100134	27.74	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	592083	28.03	ng	0.00
79) Terphenyl-d14	12.80	244	517284	26.37	ng	0.00

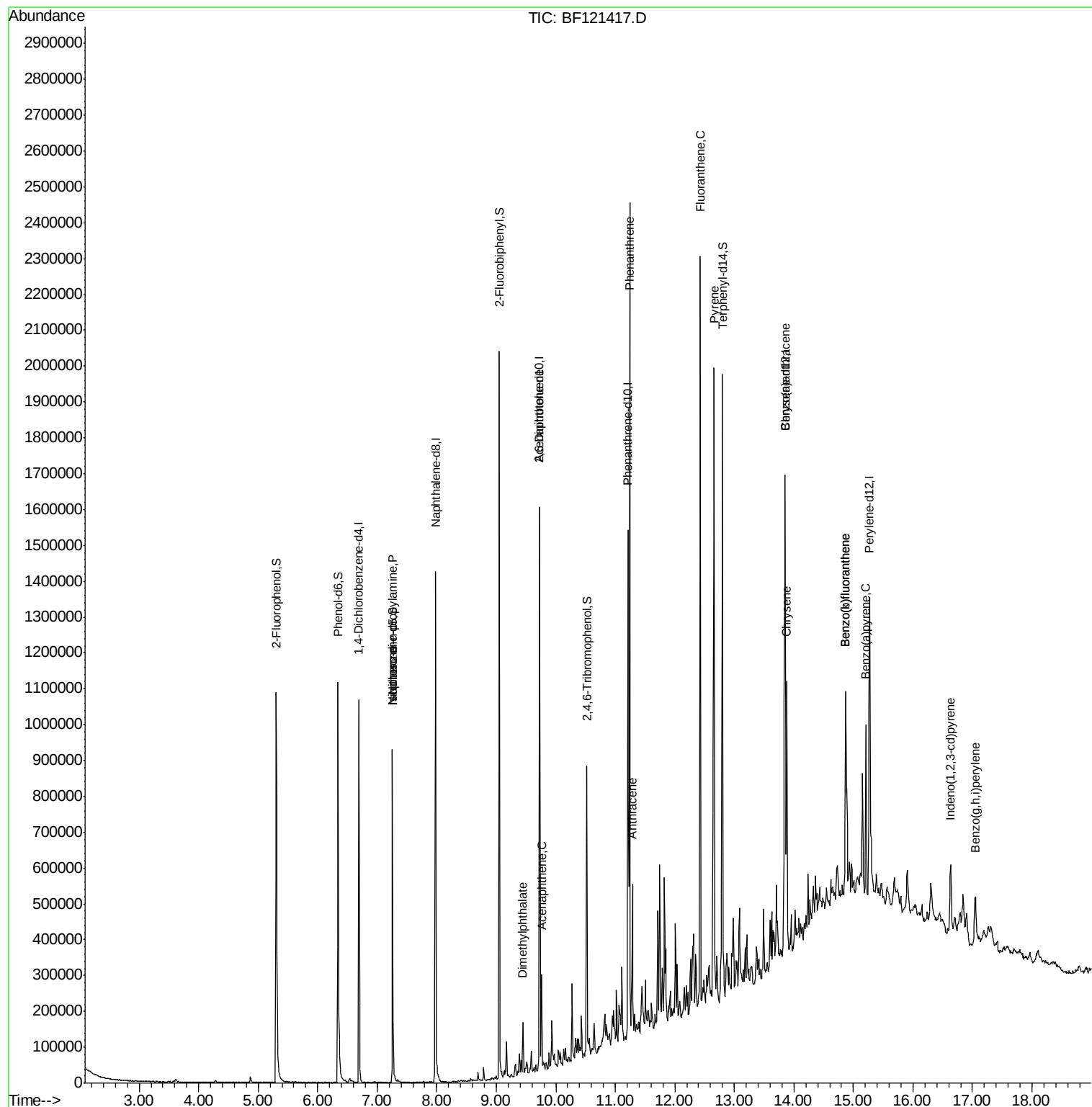
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	38342	5.573	ng	# 79
25) Isophorone	7.26	82	294556	14.623	ng	# 65
50) Dimethylphthalate	9.45	163	58688	2.604	ng	100
51) 2,6-Dinitrotoluene	9.73	165	41829	8.691	ng	# 29
52) Acenaphthene	9.76	154	52910	3.065	ng	99
55) Dibenzofuran	9.93	168	37832	Below Cal		97
58) Fluorene	10.27	166	50572	Below Cal		99
71) Phenanthrene	11.24	178	840698	29.987	ng	99
72) Anthracene	11.29	178	163480	6.055	ng	99
75) Fluoranthene	12.43	202	845219	27.776	ng	98
78) Pyrene	12.66	202	739198	25.674	ng	99
81) Benzo(a)anthracene	13.84	228	309775	13.012	ng	98
83) Chrysene	13.88	228	291954	11.991	ng	97
87) Indeno(1,2,3-cd)pyrene	16.63	276	118297	4.692	ng	96
88) Benzo(b)fluoranthene	14.87	252	397417	14.894	ng	# 96
89) Benzo(k)fluoranthene	14.87	252	397417	16.920	ng	# 96
90) Benzo(a)pyrene	15.21	252	220638	9.570	ng	98
92) Benzo(g,h,i)perylene	17.04	276	108451	5.367	ng	98

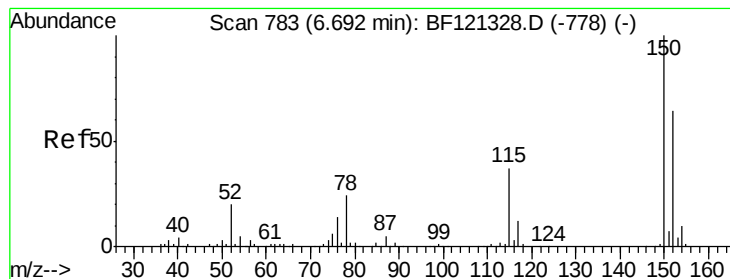
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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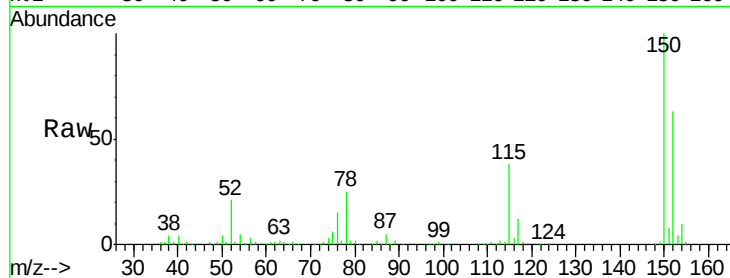


#1

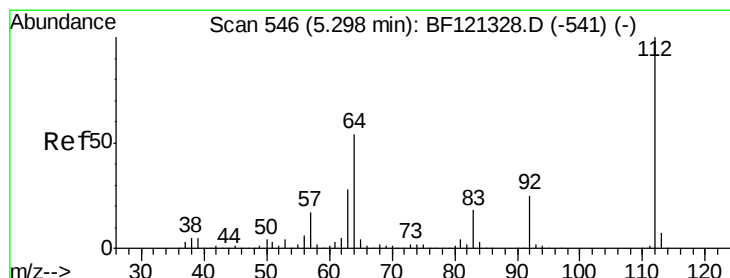
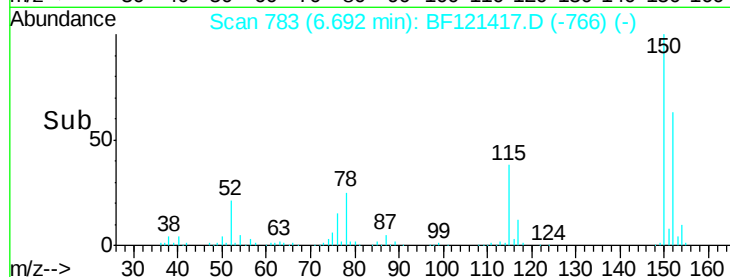
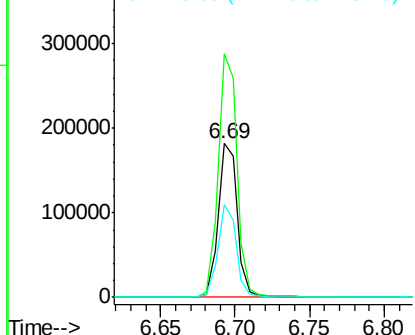
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF121417.D
Acq: 25 Aug 2020 00:36

Instrument :
BNA_F
ClientSampleId :
JC-03-082120-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.8	187.2
115	60.1	46.1	69.1



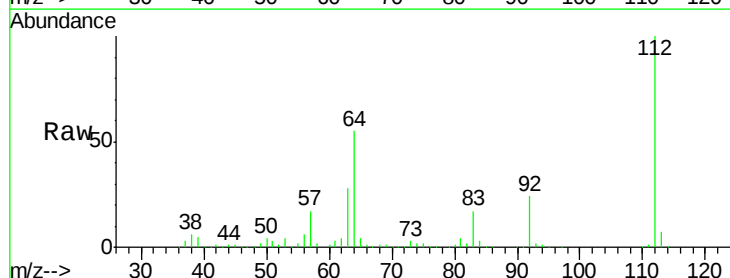
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



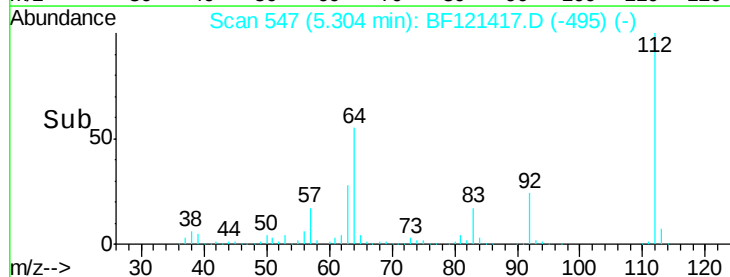
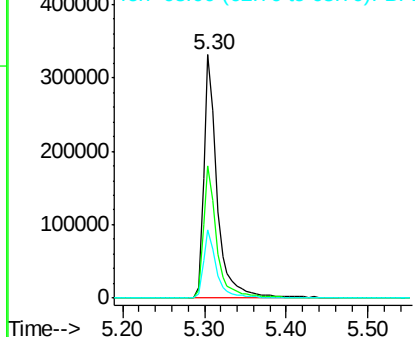
#5

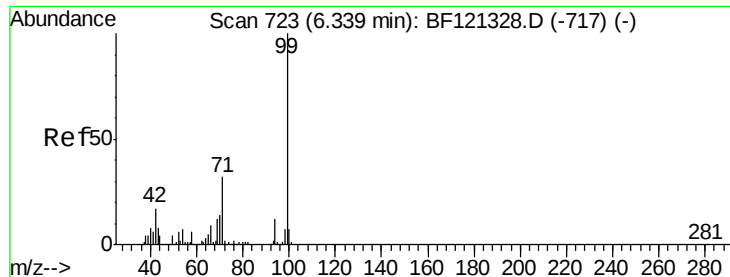
2-Fluorophenol
Concen: 38.146 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF121417.D
Acq: 25 Aug 2020 00:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	43.5	65.3
63	27.8	22.0	33.0



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: 37.290 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF121417.D

Acq: 25 Aug 2020 00:36

Instrument :

BNA_F

ClientSampleId :

JC-03-082120-A

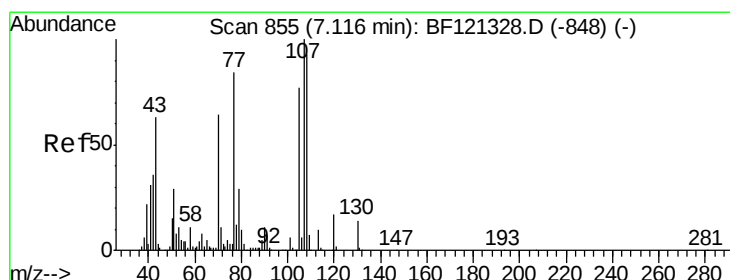
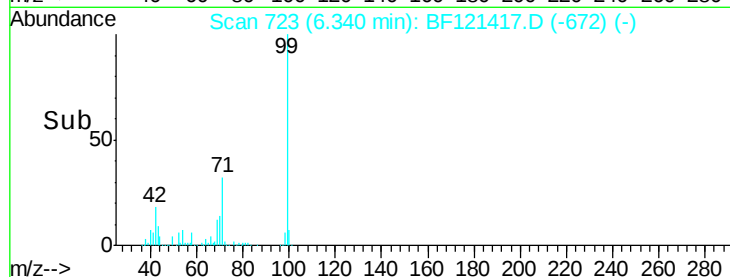
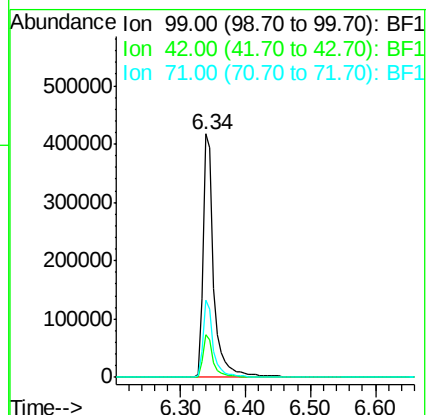
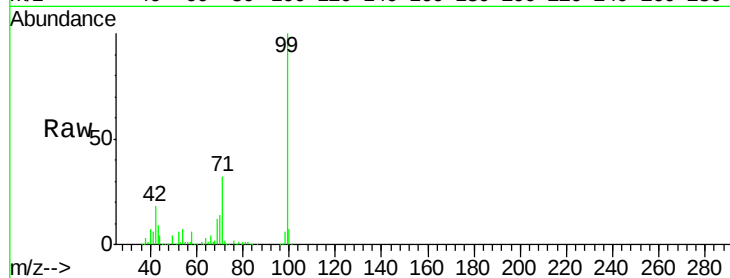
Tot Ion: 99 Resp: 476999

Ion Ratio Lower Upper

99 100

42 17.7 13.5 20.3

71 31.6 25.2 37.8



#19

n-Nitroso-di-n-propylamine

Concen: 5.573 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF121417.D

Acq: 25 Aug 2020 00:36

Tgt Ion: 70 Resp: 38342

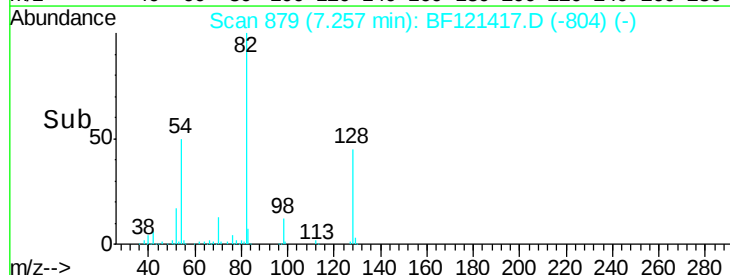
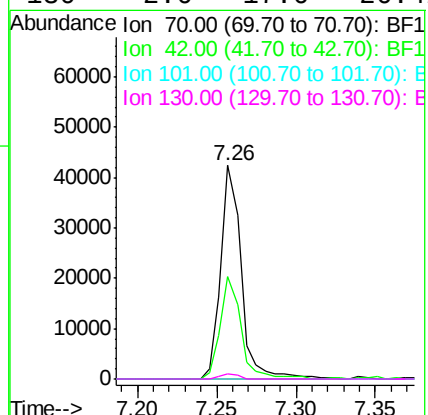
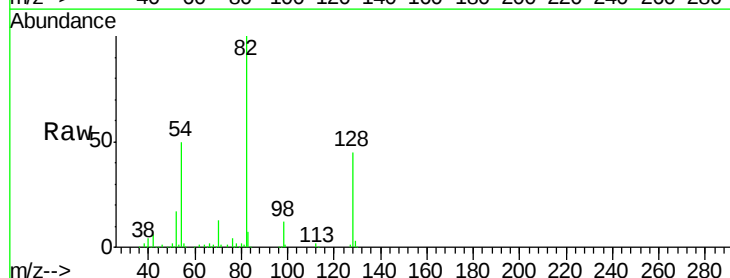
Ion Ratio Lower Upper

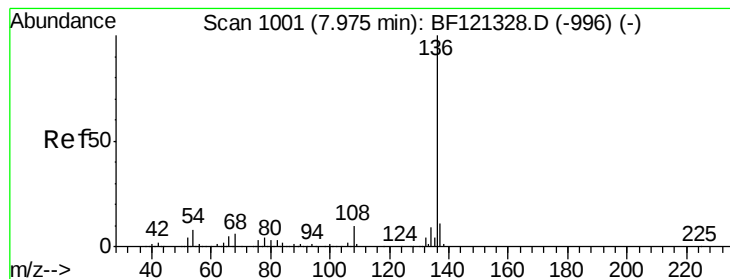
70 100

42 47.9 45.2 67.8

101 0.0 7.7 11.5#

130 2.6 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.01 min

Lab File: BF121417.D

Acq: 25 Aug 2020 00:36

Instrument :

BNA_F

ClientSampleId :

JC-03-082120-A

Tot Ion:136 Resp: 626020

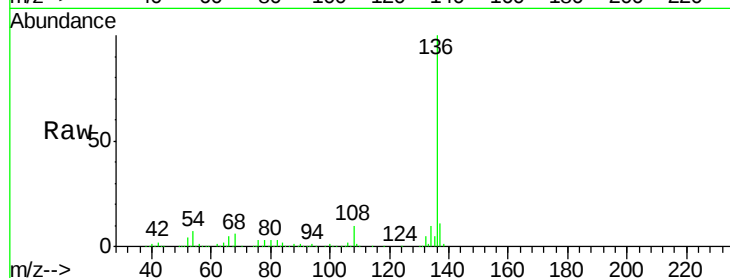
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.1 6.1 9.1

68 5.9 5.0 7.4

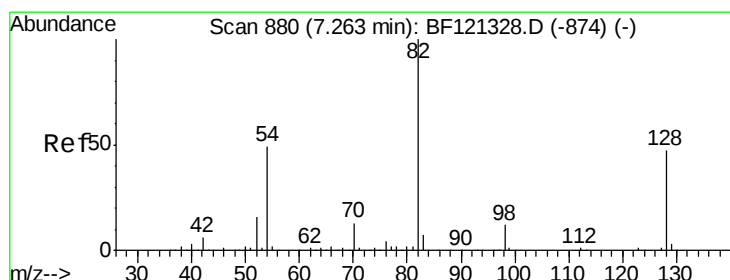
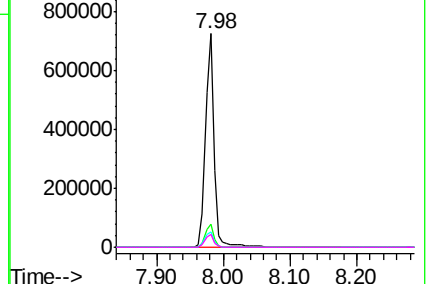
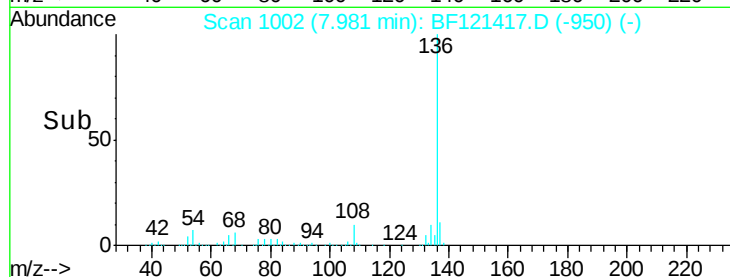


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 27.046 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF121417.D

Acq: 25 Aug 2020 00:36

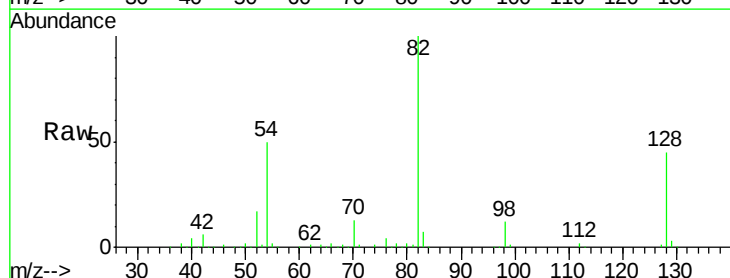
Tgt Ion: 82 Resp: 299368

Ion Ratio Lower Upper

82 100

128 45.1 37.9 56.9

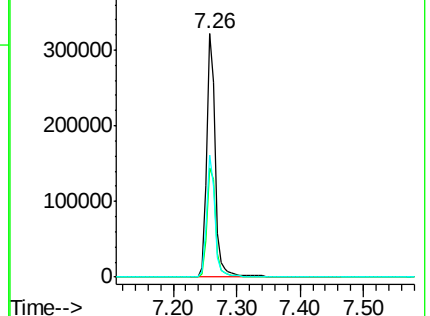
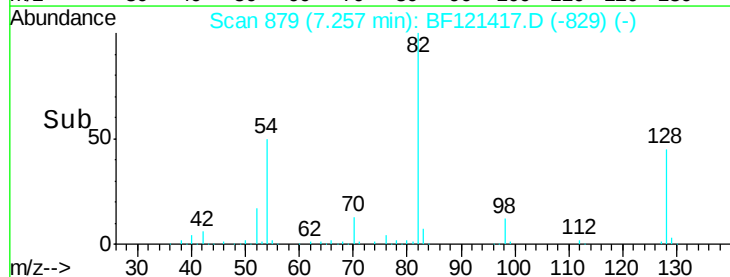
54 50.0 39.0 58.4

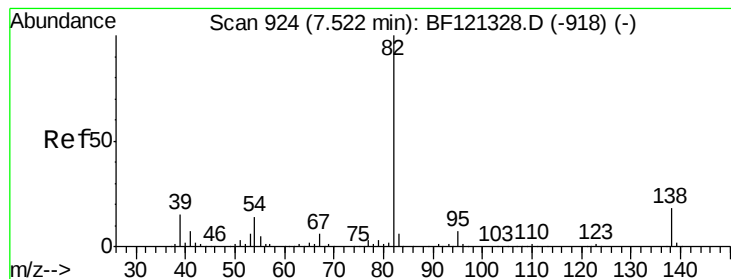


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 14.623 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF121417.D

Acq: 25 Aug 2020 00:36

Instrument :

BNA_F

ClientSampleId :

JC-03-082120-A

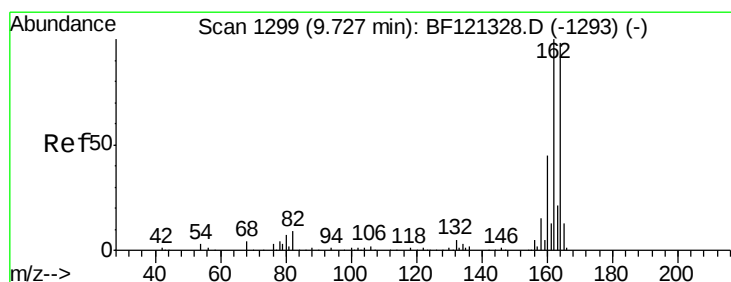
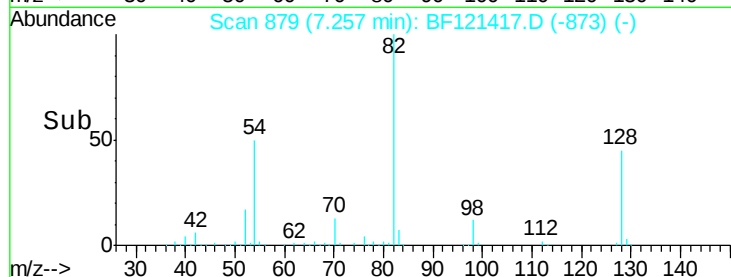
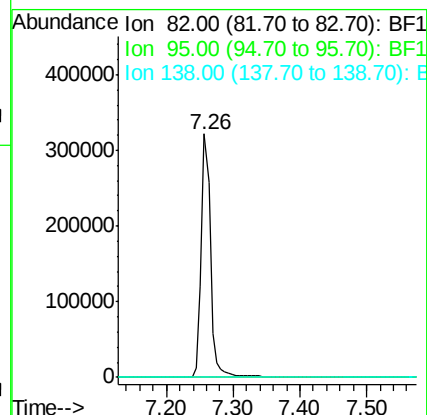
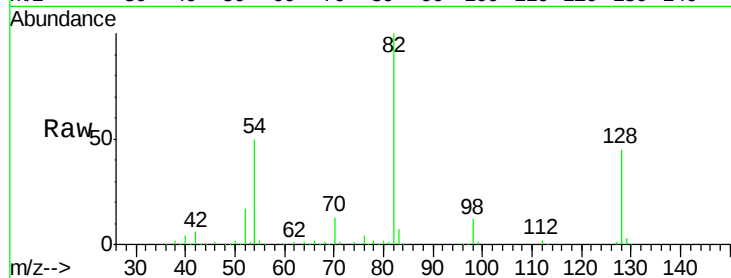
Tot Ion: 82 Resp: 294556

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 14.6 21.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BF121417.D

Acq: 25 Aug 2020 00:36

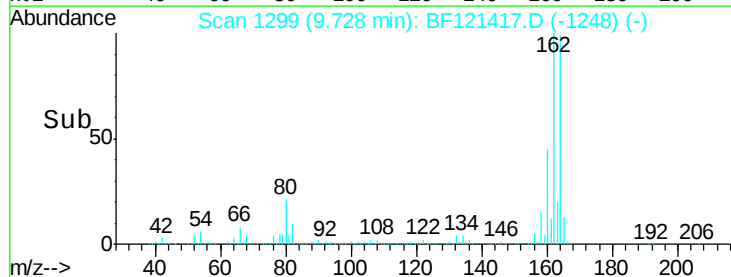
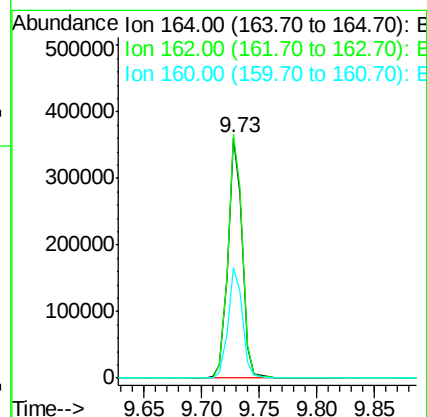
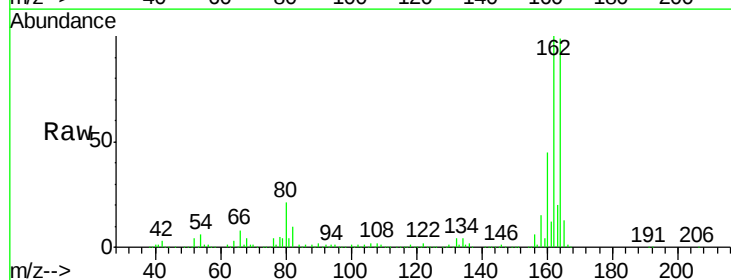
Tgt Ion: 164 Resp: 309777

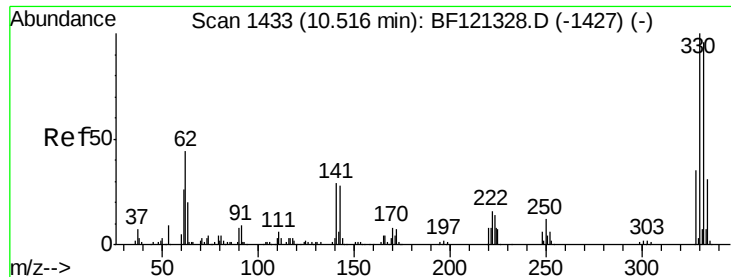
Ion Ratio Lower Upper

164 100

162 101.3 81.7 122.5

160 45.9 37.0 55.4

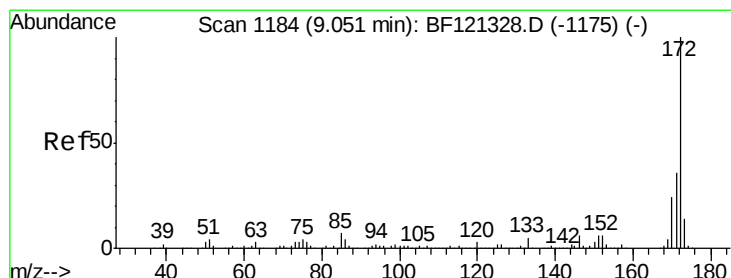
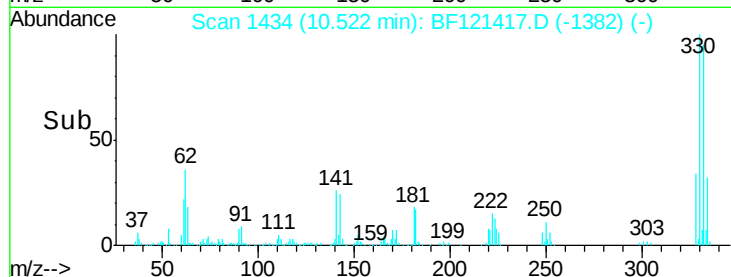
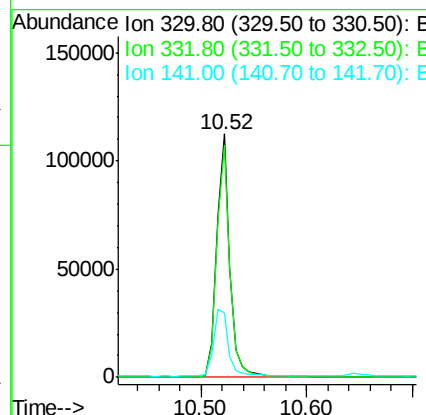
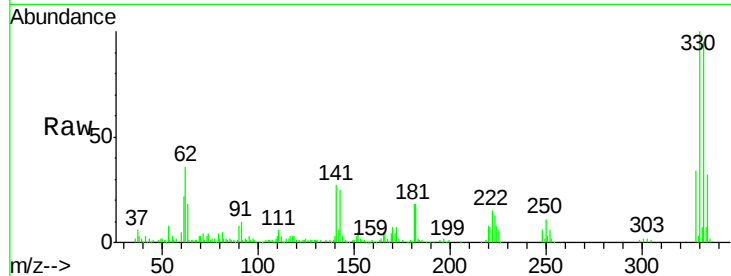




#42
 2,4,6-Tribromophenol
 Concen: 27.739 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BF121417.D
 Acq: 25 Aug 2020 00:36

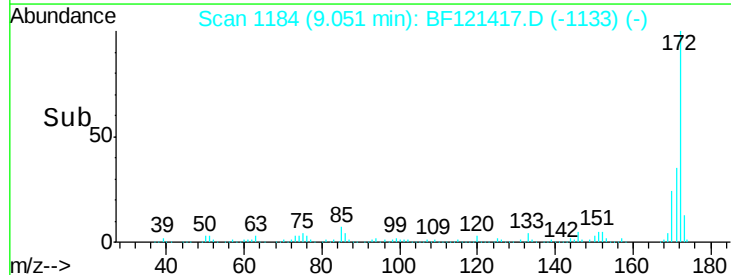
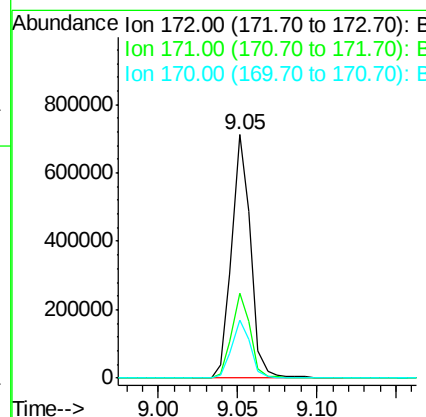
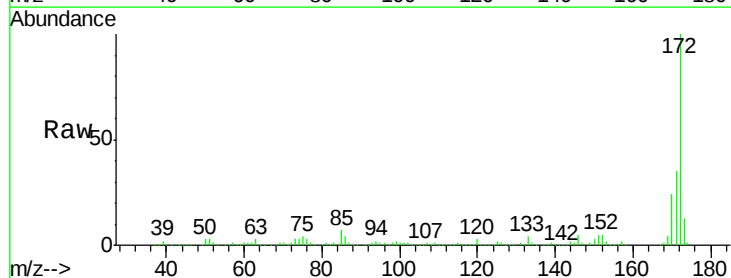
Instrument :
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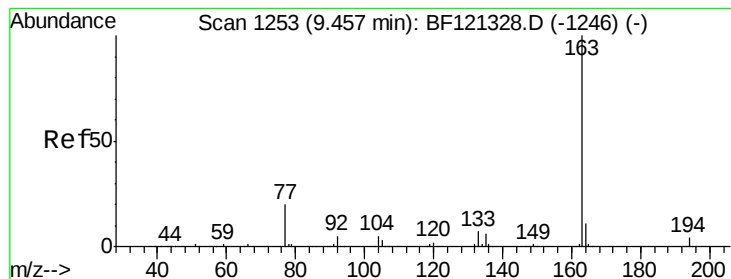
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.9	115.3
141	31.9	22.8	34.2



#45
 2-Fluorobiphenyl
 Concen: 28.027 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121417.D
 Acq: 25 Aug 2020 00:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.0	43.6
170	23.8	19.4	29.2





#50

Dimethylphthalate

Concen: 2.604 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BF121417.D

Acq: 25 Aug 2020 00:36

Instrument :

BNA_F

ClientSampleId :

JC-03-082120-A

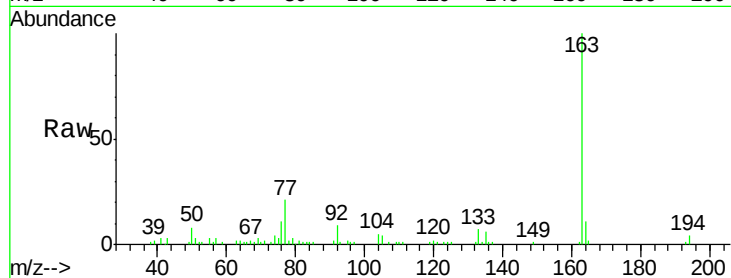
Tot Ion:163 Resp: 58688

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.6

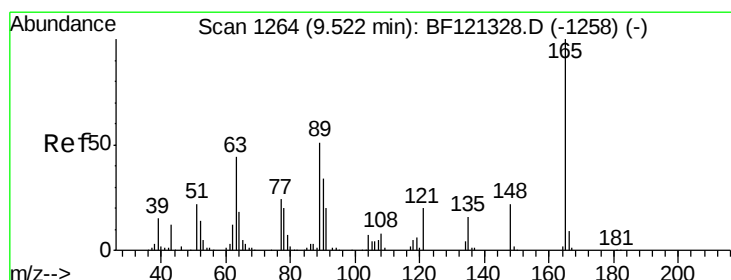
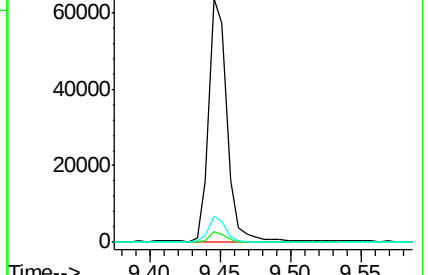
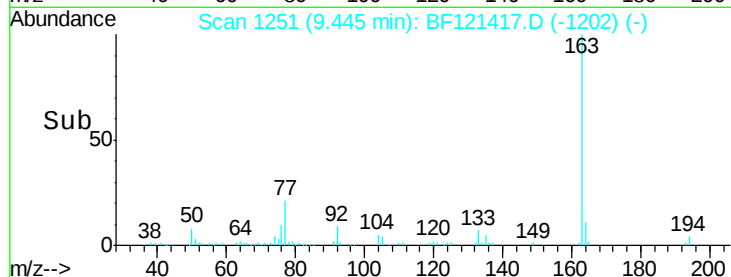
164 10.5 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 8.691 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.21 min

Lab File: BF121417.D

Acq: 25 Aug 2020 00:36

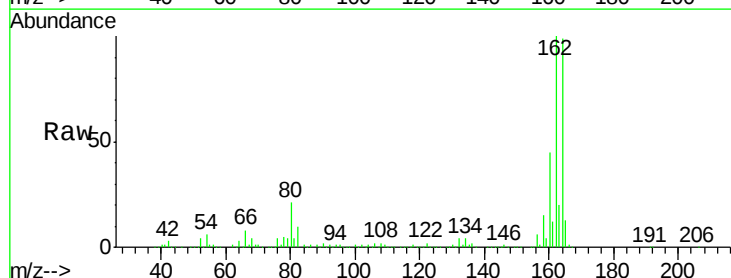
Tgt Ion:165 Resp: 41829

Ion Ratio Lower Upper

165 100

63 1.4 38.5 57.7#

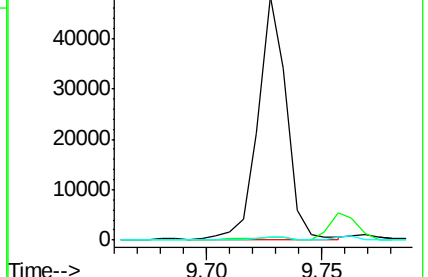
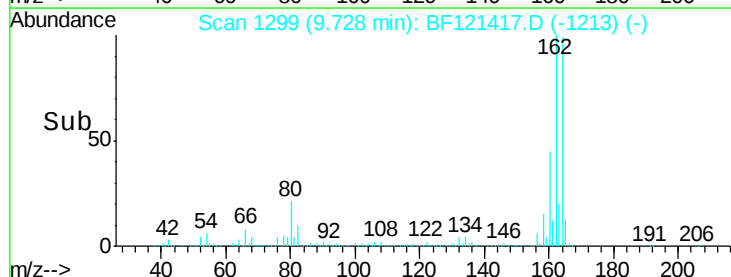
89 1.2 41.2 61.8#

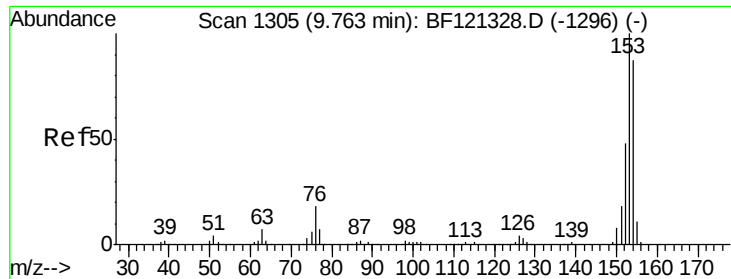


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 3.065 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF121417.D

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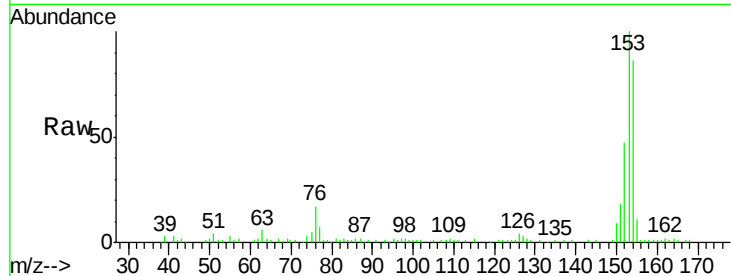
Tot Ion:154 Resp: 52910

Ion Ratio Lower Upper

154 100

153 115.9 92.0 138.0

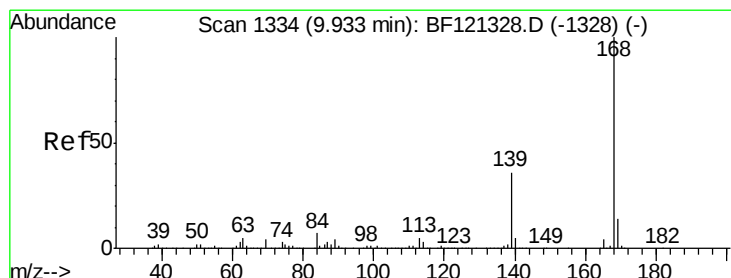
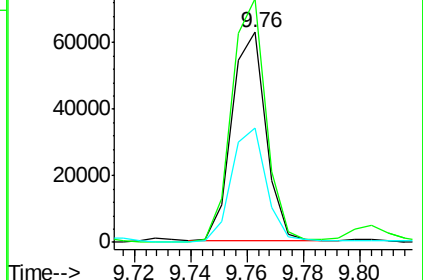
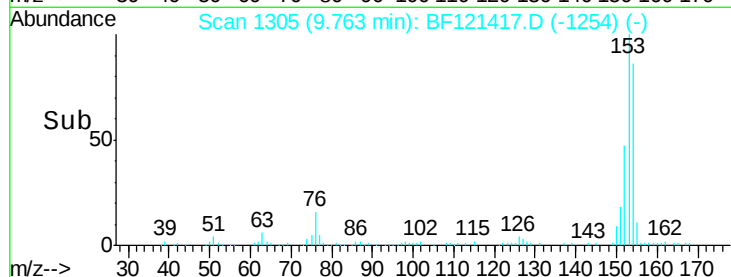
152 54.1 44.6 66.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: Below Cal

RT: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF121417.D

Acq: 25 Aug 2020 00:36

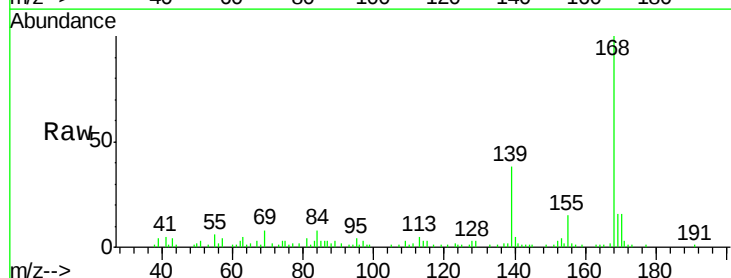
Tgt Ion:168 Resp: 37832

Ion Ratio Lower Upper

168 100

139 37.6 29.1 43.7

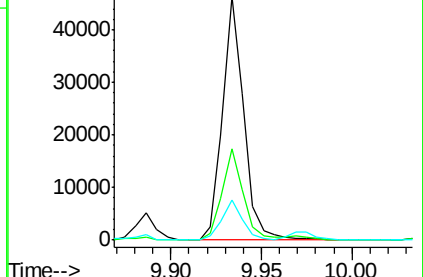
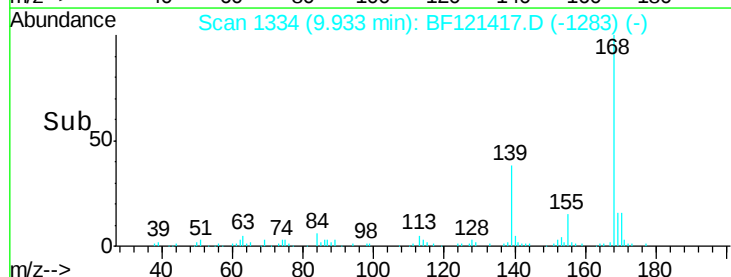
169 16.4 11.0 16.6

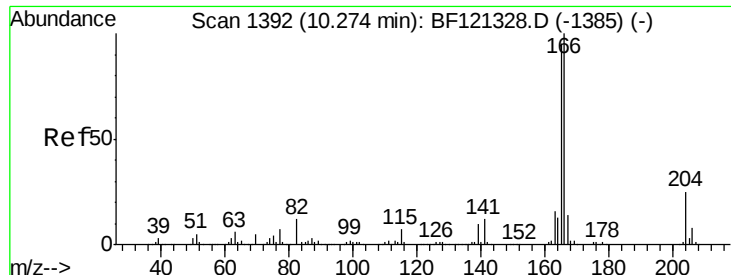


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: Below Cal

RT: 10.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BF121417.D

Acq: 25 Aug 2020 00:36

Instrument :

BNA_F

ClientSampleId :

JC-03-082120-A

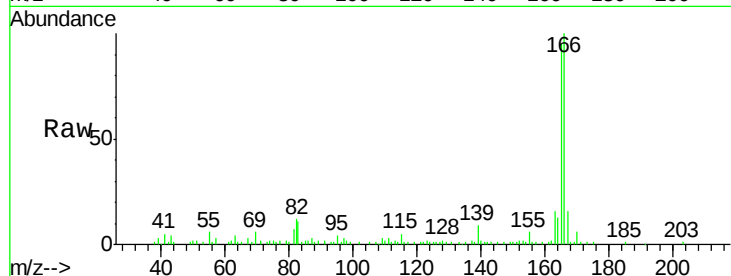
Tot Ion:166 Resp: 50572

Ion Ratio Lower Upper

166 100

165 94.6 75.8 113.8

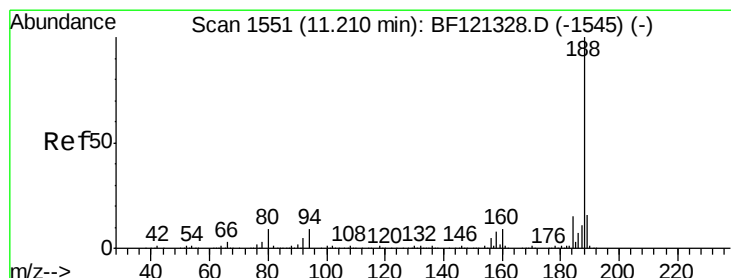
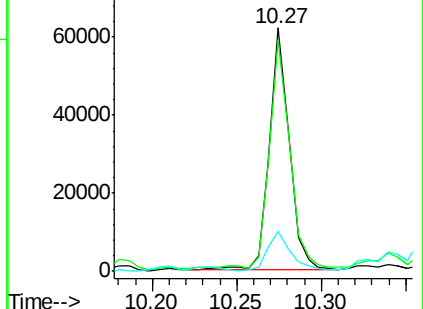
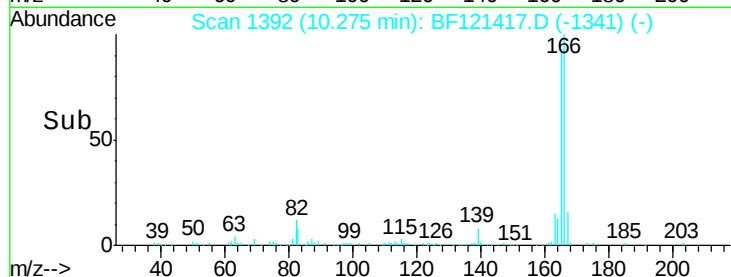
167 16.2 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1552

Delta R.T. 0.01 min

Lab File: BF121417.D

Acq: 25 Aug 2020 00:36

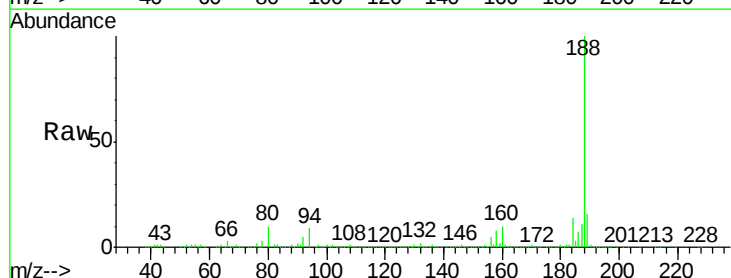
Tgt Ion:188 Resp: 541688

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

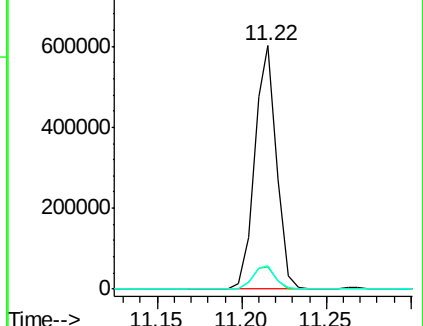
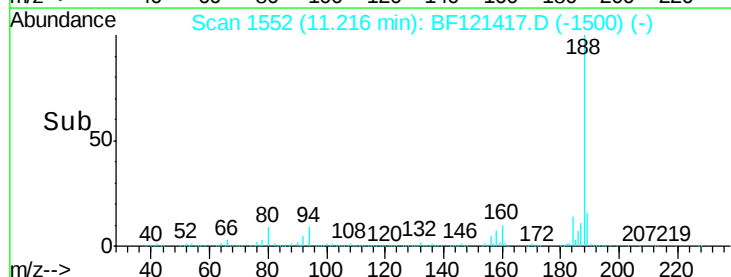
80 9.6 7.4 11.0

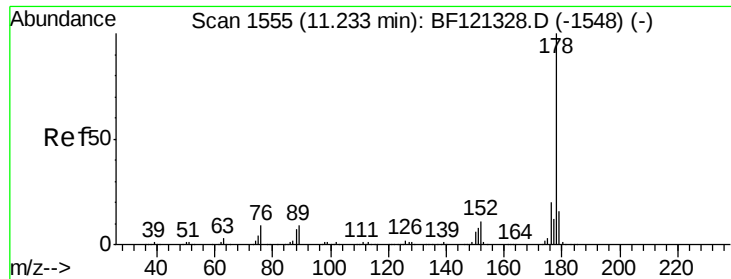


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

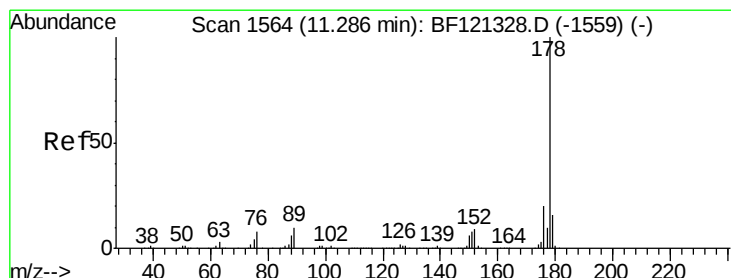
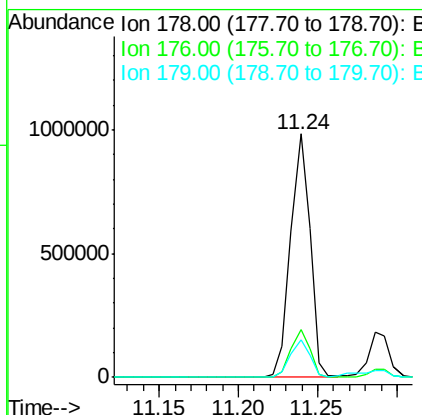
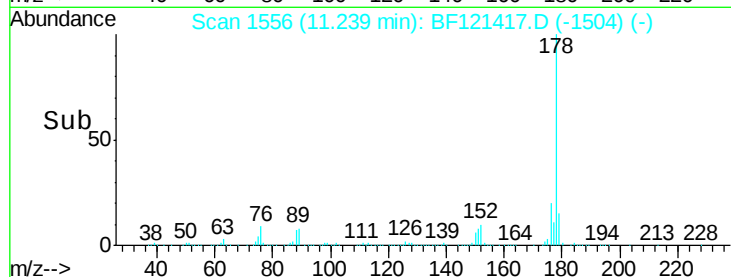
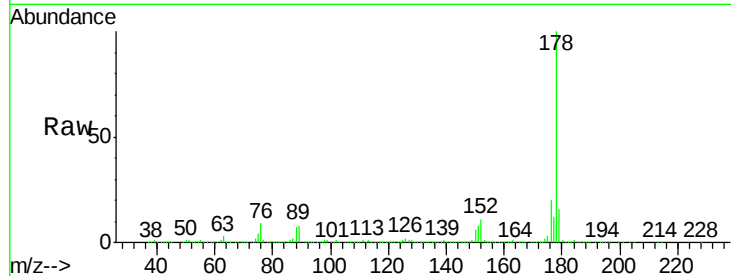




#71
Phenanthrene
Concen: 29.987 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.01 min
Lab File: BF121417.D
Acq: 25 Aug 2020 00:36

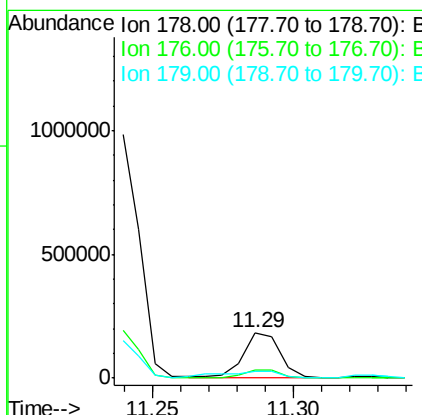
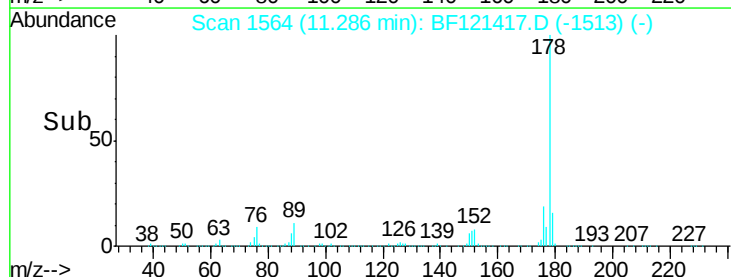
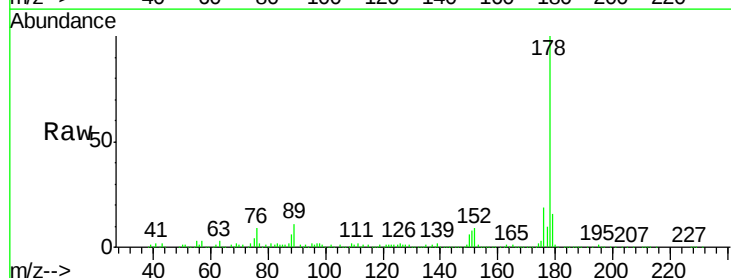
Instrument :
BNA_F
ClientSampleId :
JC-03-082120-A

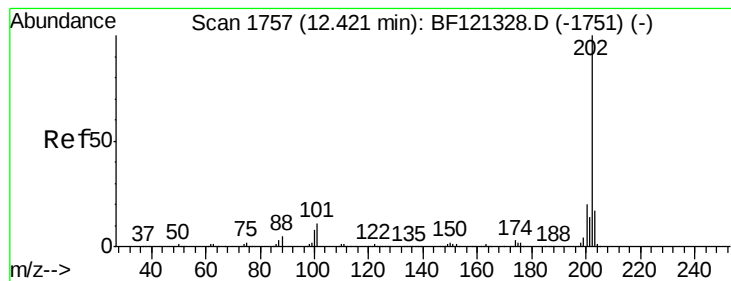
Tot Ion:178 Resp: 840698
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.6 12.8 19.2



#72
Anthracene
Concen: 6.055 ng
RT: 11.29 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BF121417.D
Acq: 25 Aug 2020 00:36

Tgt Ion:178 Resp: 163480
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 16.0 12.8 19.2





#75

Fluoranthene

Concen: 27.776 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.01 min

Lab File: BF121417.D

Acq: 25 Aug 2020 00:36

Instrument :

BNA_F

ClientSampleId :

JC-03-082120-A

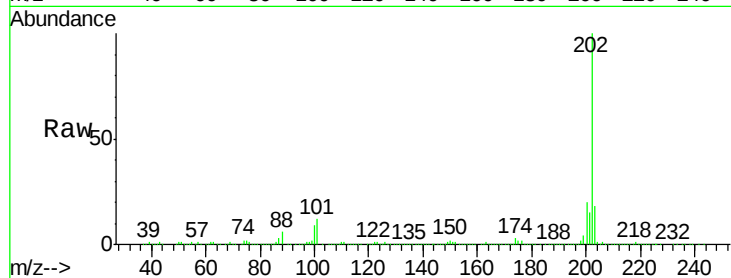
Tot Ion:202 Resp: 845219

Ion Ratio Lower Upper

202 100

101 11.6 0.0 30.6

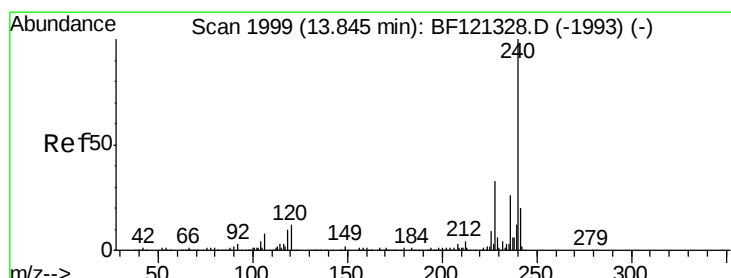
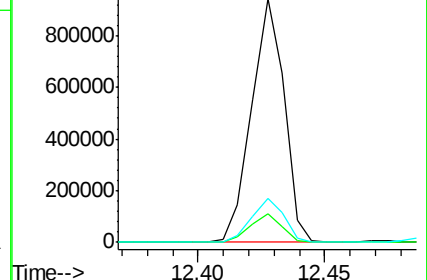
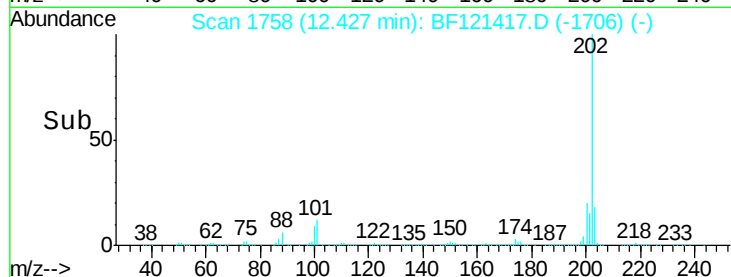
203 18.2 0.0 37.5



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: BF121417.D

Acq: 25 Aug 2020 00:36

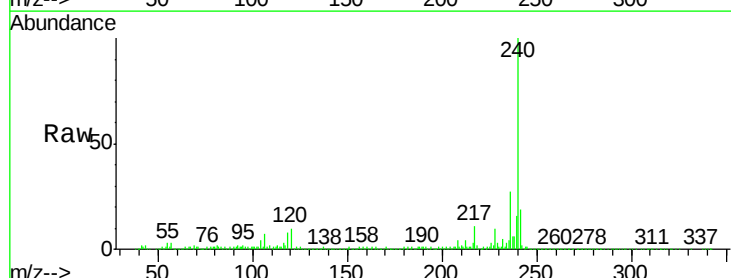
Tgt Ion:240 Resp: 383284

Ion Ratio Lower Upper

240 100

120 10.3 9.6 14.4

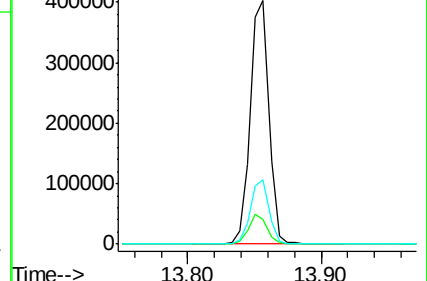
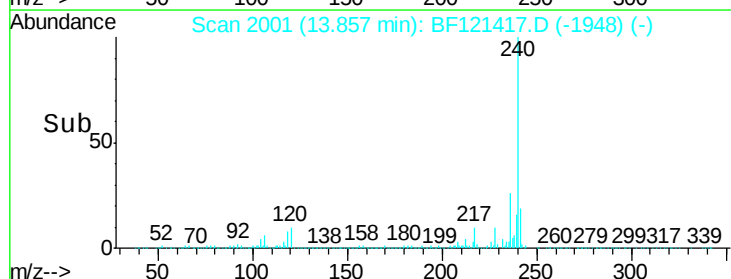
236 26.5 20.6 31.0

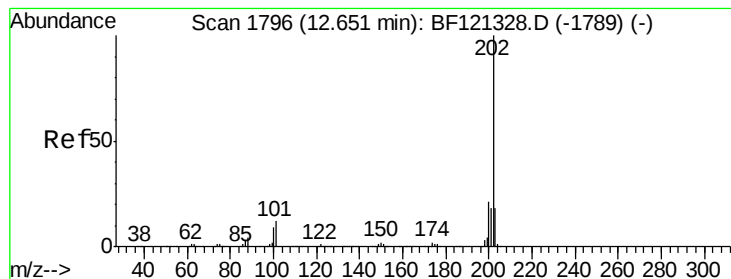


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 25.674 ng

RT: 12.66 min Scan# 1797

Delta R.T. 0.01 min

Lab File: BF121417.D

Acq: 25 Aug 2020 00:36

Instrument :

BNA_F

ClientSampleId :

JC-03-082120-A

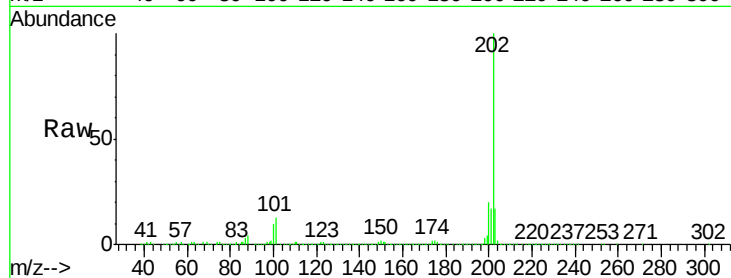
Tot Ion:202 Resp: 739198

Ion Ratio Lower Upper

202 100

200 20.1 16.6 24.8

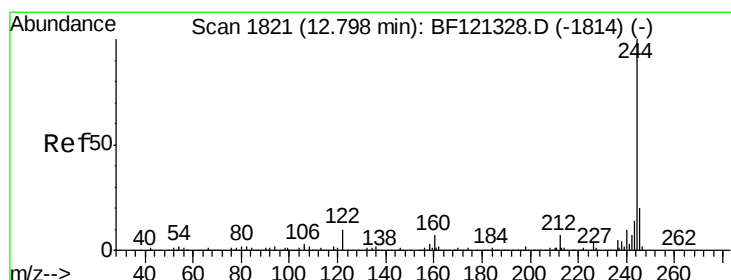
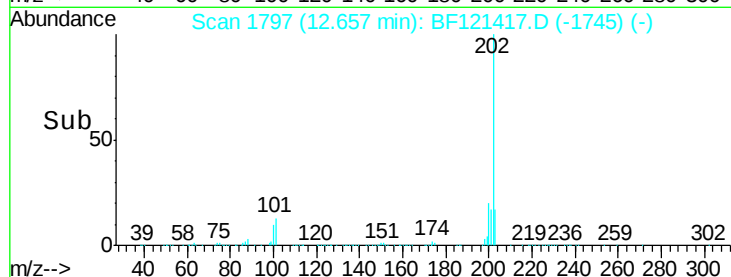
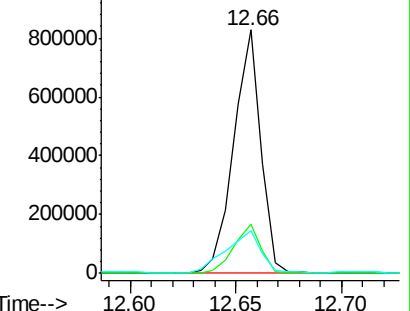
203 17.5 14.2 21.2



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: 26.373 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF121417.D

Acq: 25 Aug 2020 00:36

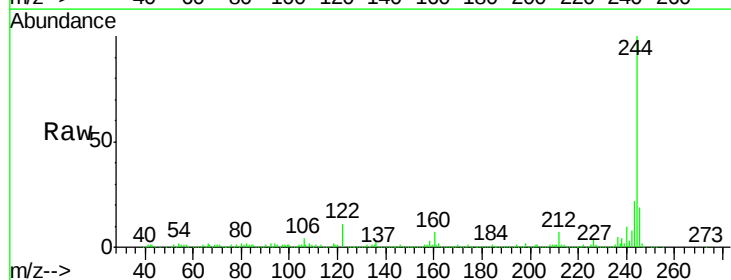
Tgt Ion:244 Resp: 517284

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

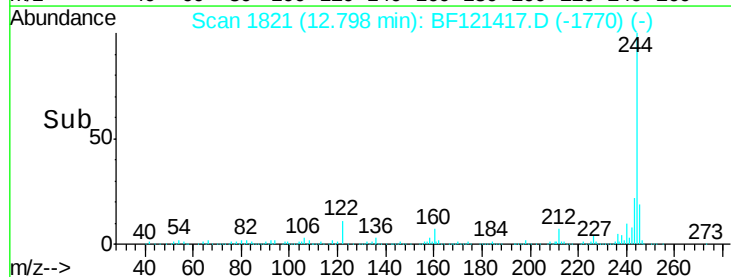
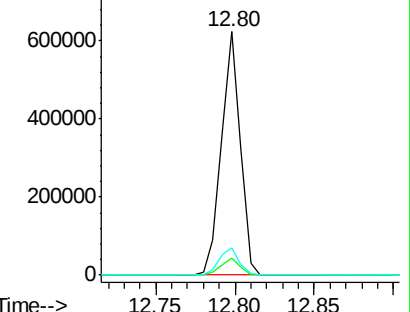
122 11.2 7.8 11.8

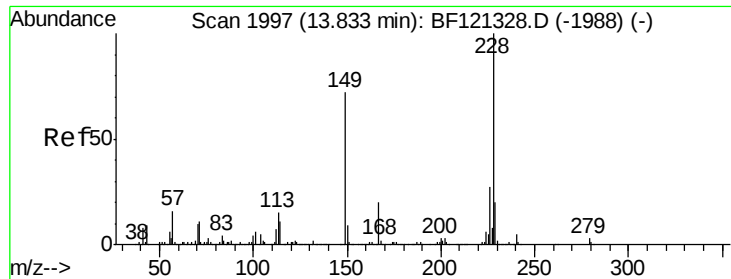


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 13.012 ng

RT: 13.84 min Scan# 1999

Delta R.T. 0.01 min

Lab File: BF121417.D

Acq: 25 Aug 2020 00:36

Instrument :

BNA_F

ClientSampleId :

JC-03-082120-A

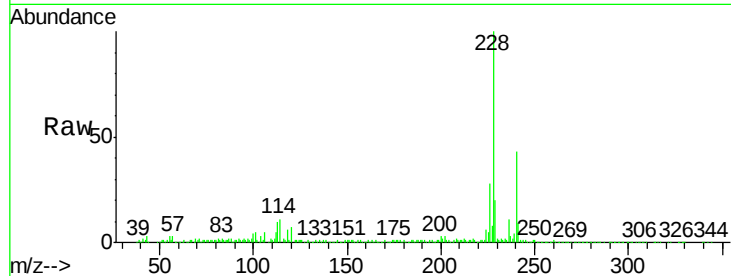
Tot Ion:228 Resp: 309775

Ion Ratio Lower Upper

228 100

226 28.4 21.8 32.6

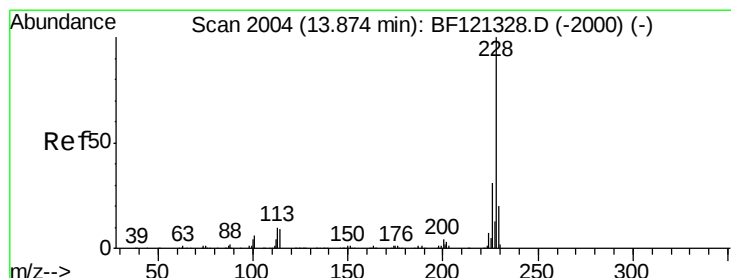
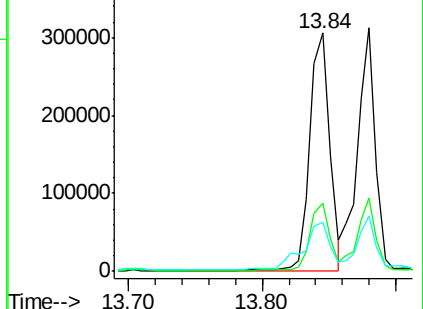
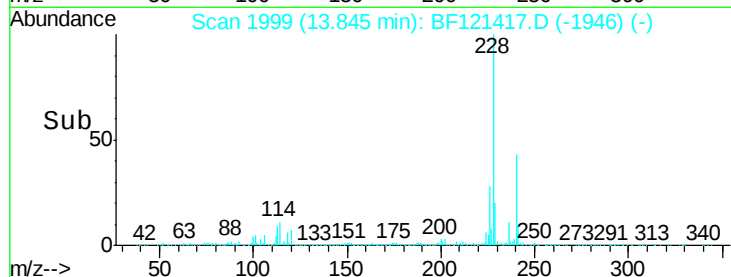
229 20.4 15.8 23.8



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: 11.991 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF121417.D

Acq: 25 Aug 2020 00:36

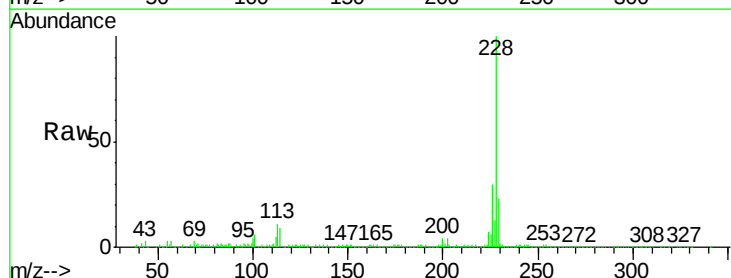
Tgt Ion:228 Resp: 291954

Ion Ratio Lower Upper

228 100

226 30.3 24.6 36.8

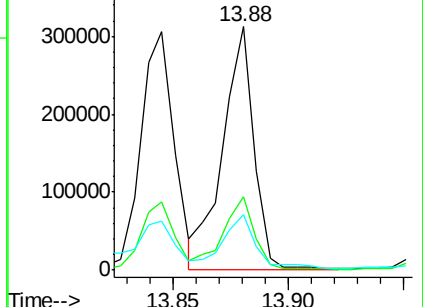
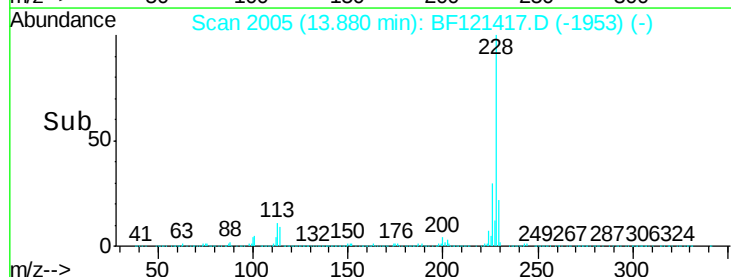
229 22.5 15.9 23.9

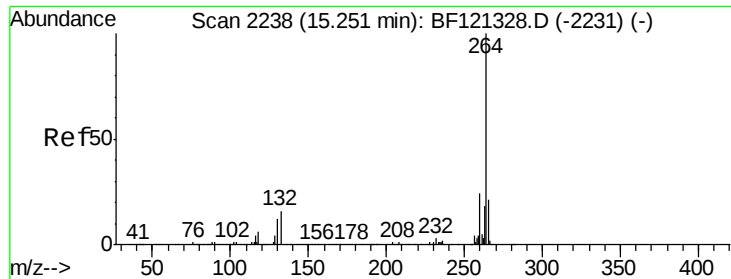


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

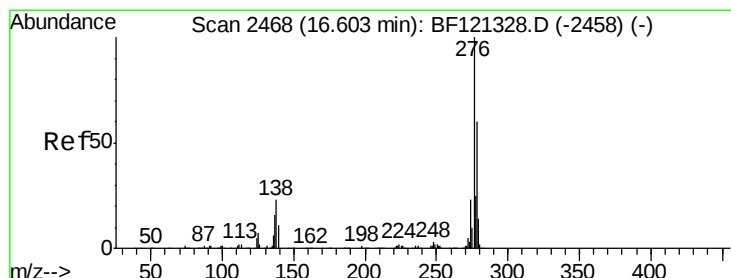
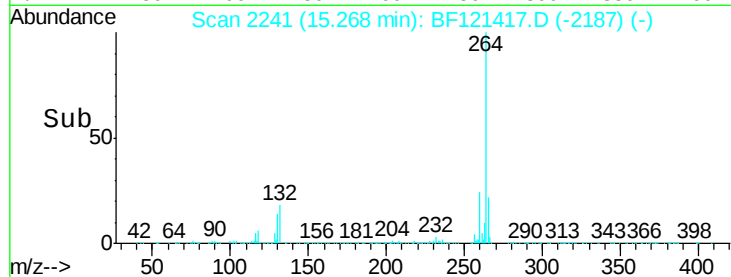
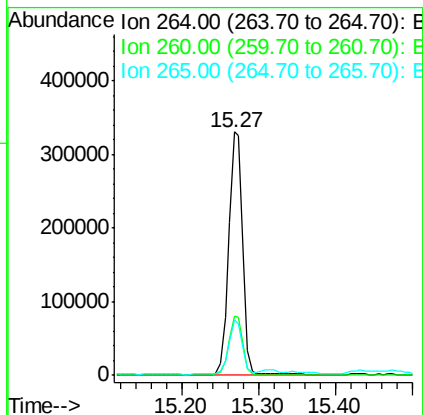
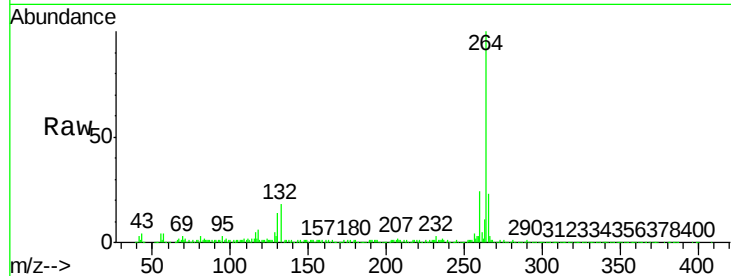




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF121417.D
Acq: 25 Aug 2020 00:36

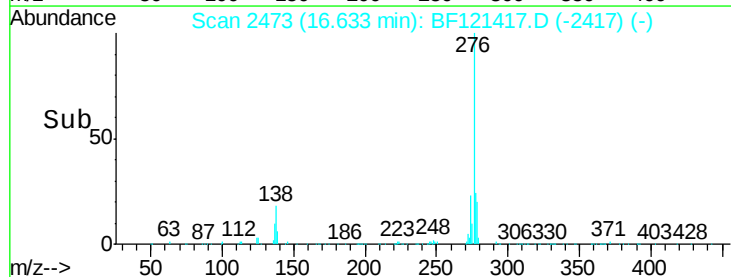
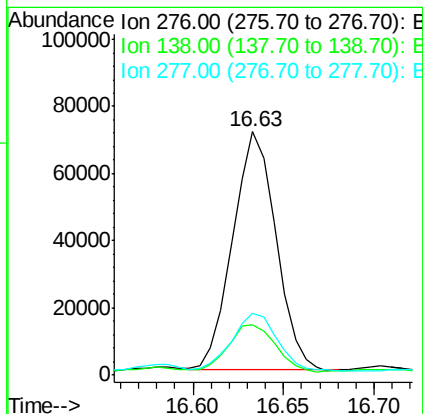
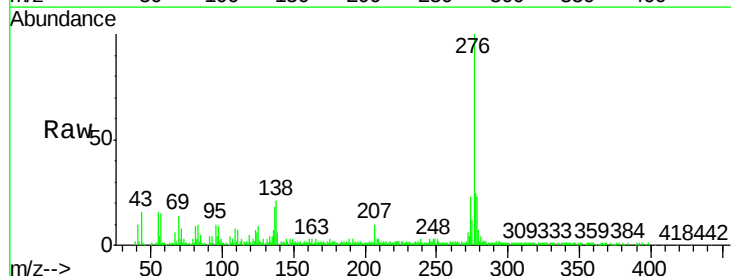
Instrument :
BNA_F
ClientSampleId :
JC-03-082120-A

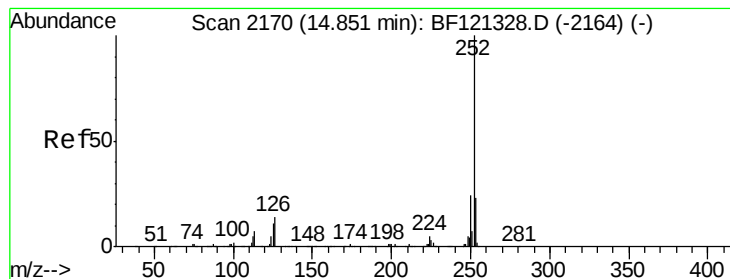
Tot Ion:264 Resp: 413022
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 22.8 17.1 25.7



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.692 ng
RT: 16.63 min Scan# 2473
Delta R.T. 0.03 min
Lab File: BF121417.D
Acq: 25 Aug 2020 00:36

Tgt Ion:276 Resp: 118297
Ion Ratio Lower Upper
276 100
138 21.0 19.4 29.0
277 25.5 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 14.894 ng

RT: 14.87 min Scan# 2173

Delta R.T. 0.02 min

Lab File: BF121417.D

Acq: 25 Aug 2020 00:36

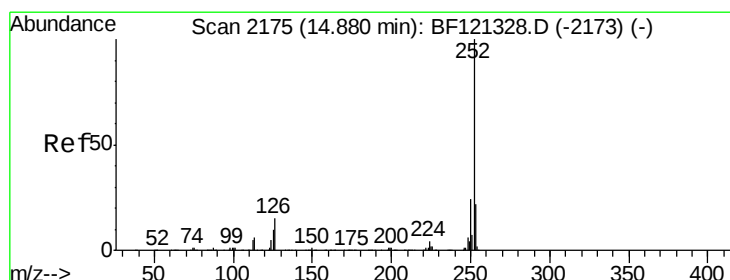
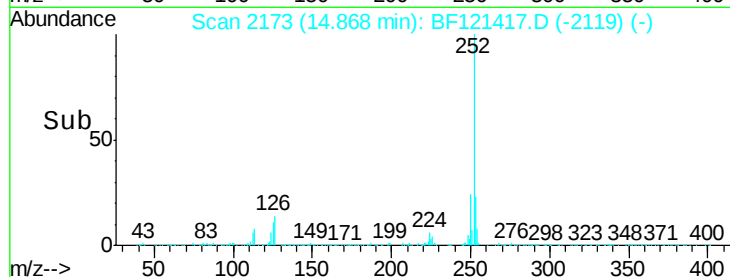
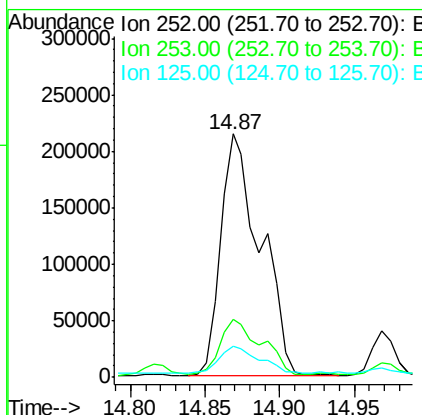
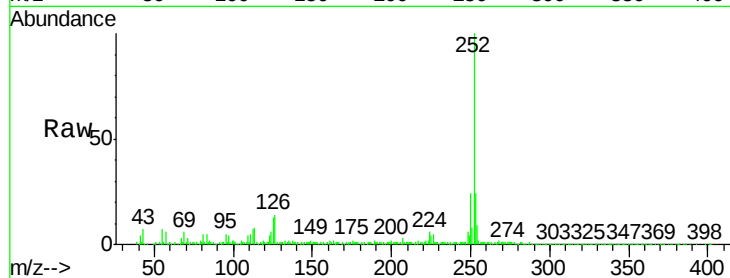
Instrument :

BNA_F

ClientSampleId :

JC-03-082120-A

Tot Ion:252	Resp:	397417
Ion Ratio	Lower	Upper
252	100	
253	23.8	18.0 27.0
125	12.9	8.6 12.8#



#89

Benzo(k)fluoranthene

Concen: 16.920 ng

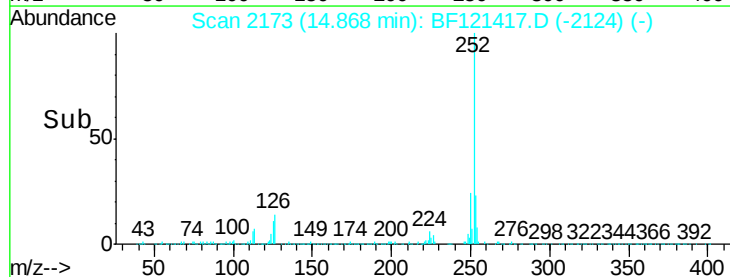
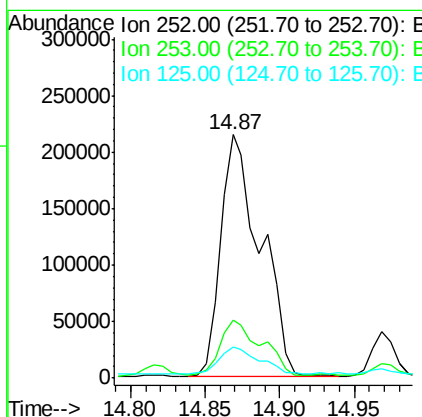
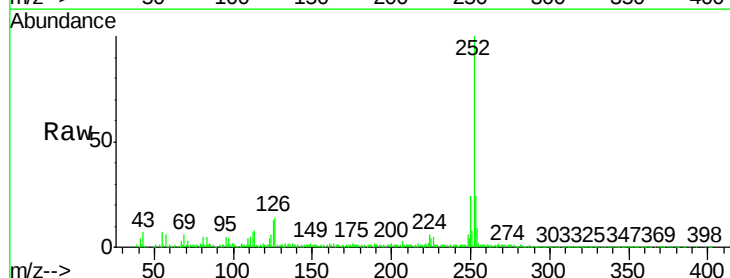
RT: 14.87 min Scan# 2173

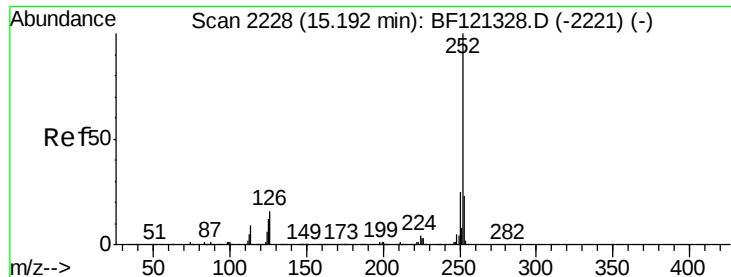
Delta R.T. -0.01 min

Lab File: BF121417.D

Acq: 25 Aug 2020 00:36

Tgt Ion:252	Resp:	397417
Ion Ratio	Lower	Upper
252	100	
253	23.8	17.9 26.9
125	12.9	8.6 12.8#

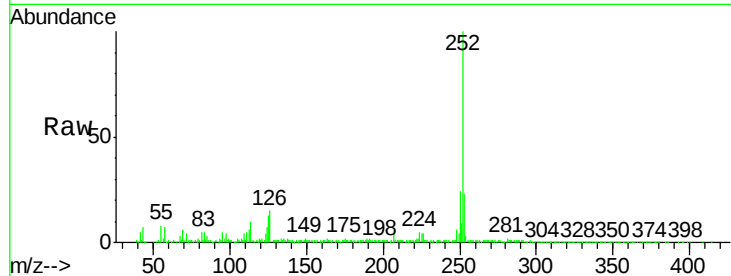




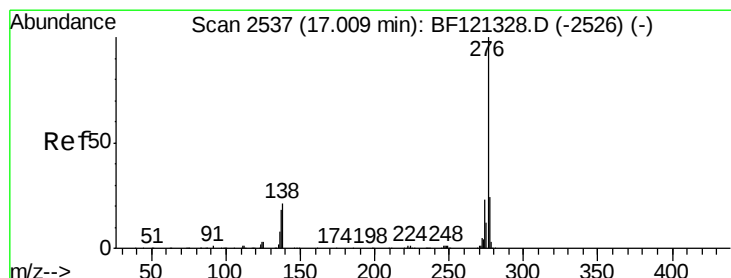
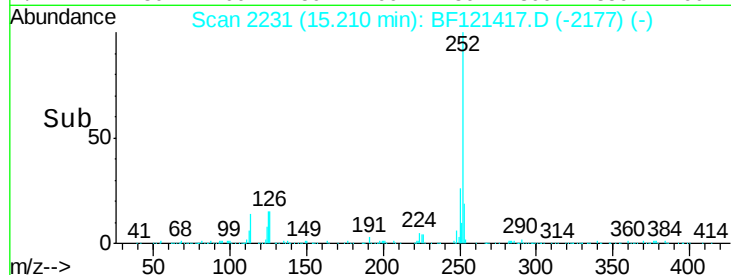
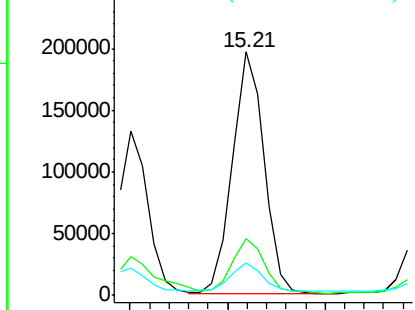
#90
Benzo(a)pyrene
Concen: 9.570 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.02 min
Lab File: BF121417.D
Acq: 25 Aug 2020 00:36

Instrument :
BNA_F
ClientSampleId :
JC-03-082120-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	13.1	9.4	14.0

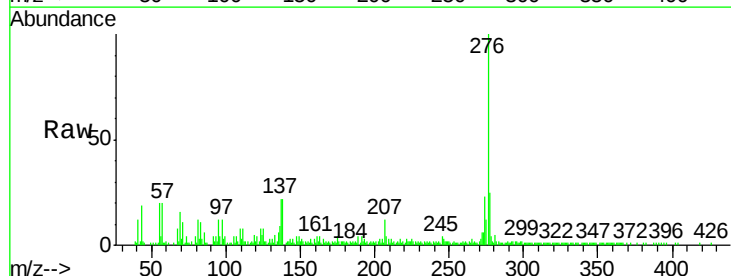


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 5.367 ng
RT: 17.04 min Scan# 2543
Delta R.T. 0.04 min
Lab File: BF121417.D
Acq: 25 Aug 2020 00:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.3	28.9
138	22.4	16.8	25.2



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

