

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
 Data File : BF121343.D
 Acq On : 20 Aug 2020 13:10
 Operator : JU/CG
 Sample : L3507-08 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-081820

Quant Time: Aug 20 14:14:56 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	151836	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	584876	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	303998	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	553286	20.00	ng	0.00
76) Chrysene-d12	13.84	240	383391	20.00	ng	0.00
86) Perylene-d12	15.25	264	424912	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	397752	42.95	ng	0.00
7) Phenol-d6	6.33	99	485705	41.09	ng	-0.01
23) Nitrobenzene-d5	7.25	82	300455	29.05	ng	-0.01
42) 2,4,6-Tribromophenol	10.51	330	137924	38.93	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	588542	28.59	ng	0.00
79) Terphenyl-d14	12.79	244	533165	27.18	ng	0.00

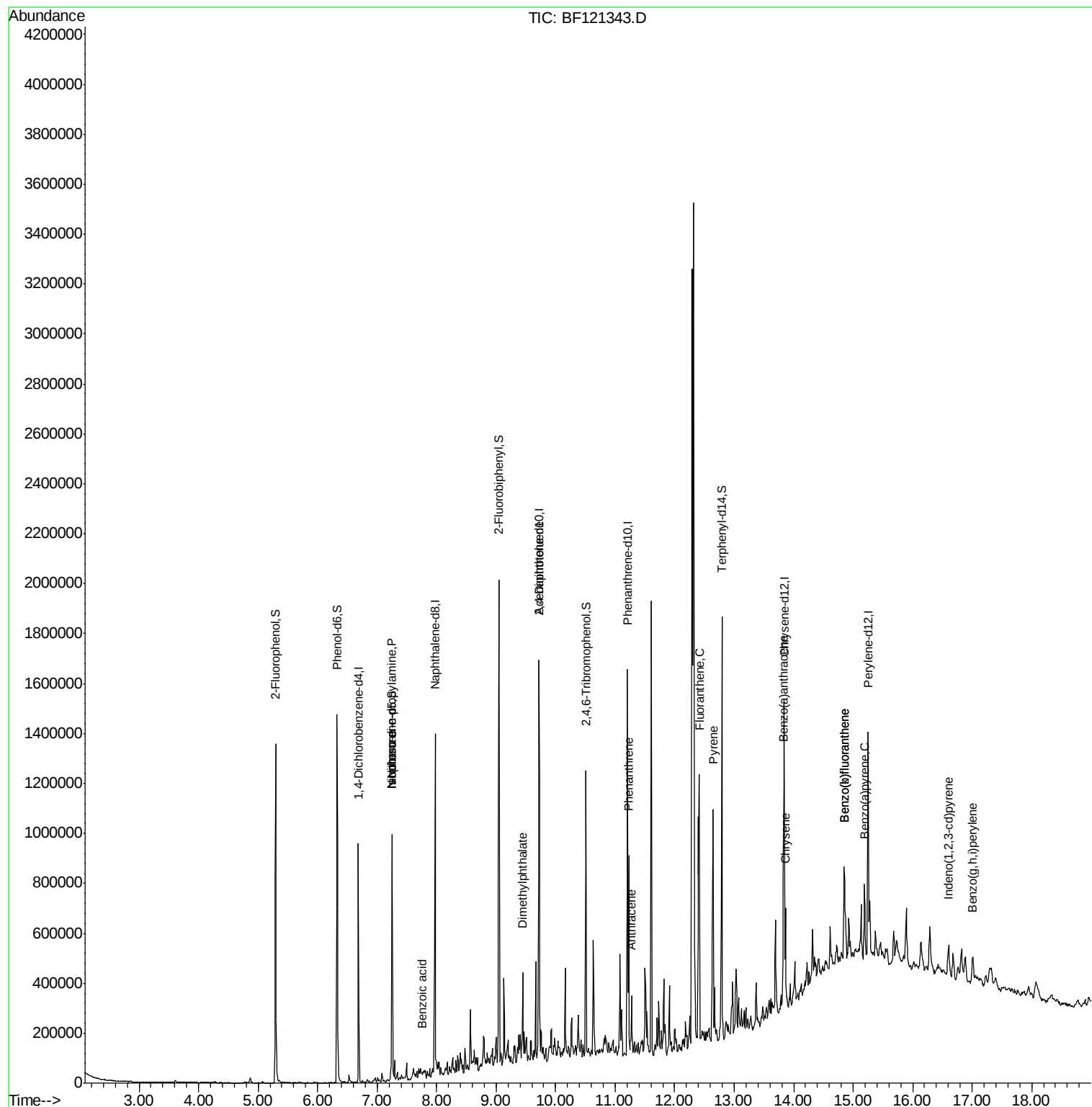
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.25	70	39755	6.253	ng	# 79
25) Isophorone	7.25	82	298452	15.858	ng	# 65
32) Benzoic acid	7.76	122	119	7.082	ng	# 25
50) Dimethylphthalate	9.45	163	90512	4.093	ng	99
55) Dibenzofuran	9.93	168	20578	Below	Cal	# 91
57) 2,4-Dinitrotoluene	9.72	165	43412	7.534	ng	# 25
58) Fluorene	10.27	166	39369	Below	Cal	97
61) 4-Chlorophenyl-phenylether	10.09	204	1120	Below	Cal	# 43
71) Phenanthrene	11.23	178	257705	9.000	ng	99
72) Anthracene	11.28	178	81752	2.965	ng	99
75) Fluoranthene	12.42	202	409913	13.189	ng	99
78) Pyrene	12.64	202	379714	13.185	ng	99
81) Benzo(a)anthracene	13.83	228	172834	7.258	ng	95
83) Chrysene	13.86	228	164585	6.758	ng	97
87) Indeno(1,2,3-cd)pyrene	16.60	276	86823	3.347	ng	95
88) Benzo(b)fluoranthene	14.85	252	250287	9.118	ng	# 95
89) Benzo(k)fluoranthene	14.85	252	250287	10.358	ng	# 95
90) Benzo(a)pyrene	15.19	252	143234	6.039	ng	96
92) Benzo(a,h,i)perylene	17.01	276	79686	3.833	ng	96

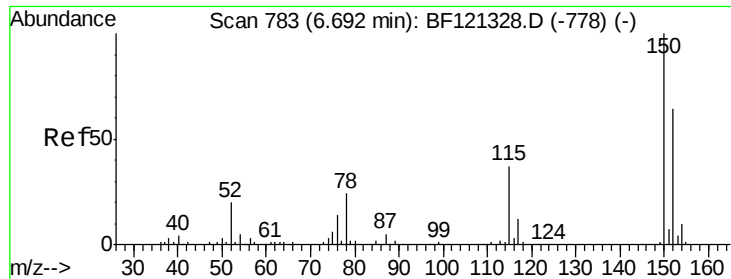
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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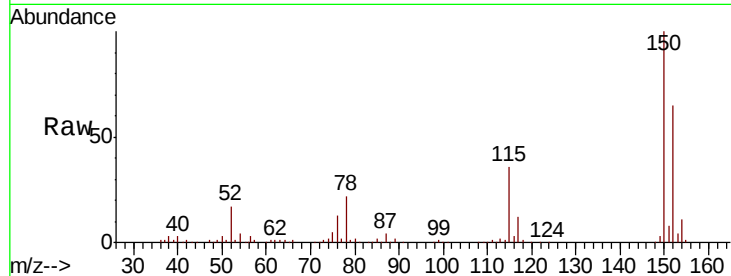


#1

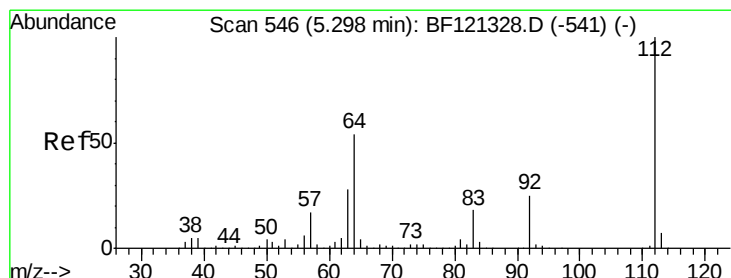
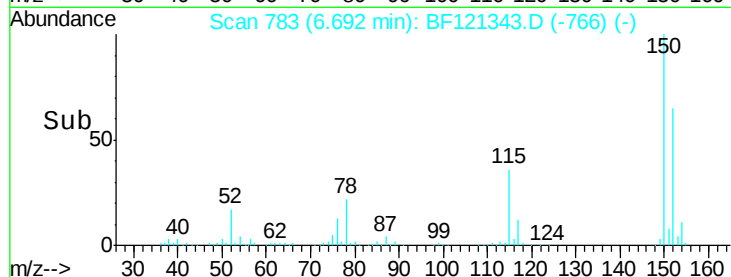
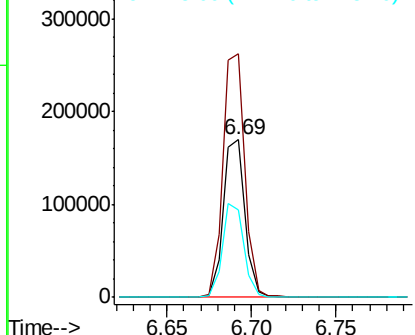
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF121343.D
 Acq: 20 Aug 2020 13:10

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-081820

Tot Ion:152 Resp: 151836
 Ion Ratio Lower Upper
 152 100
 150 154.7 124.8 187.2
 115 55.4 46.1 69.1



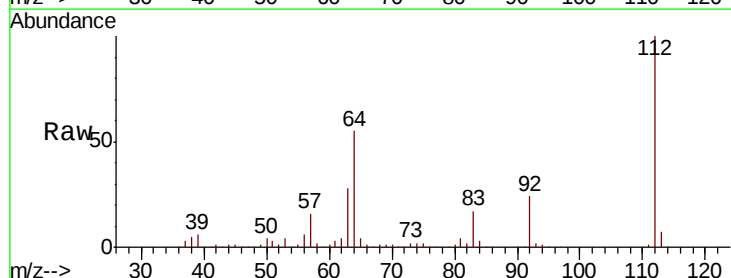
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



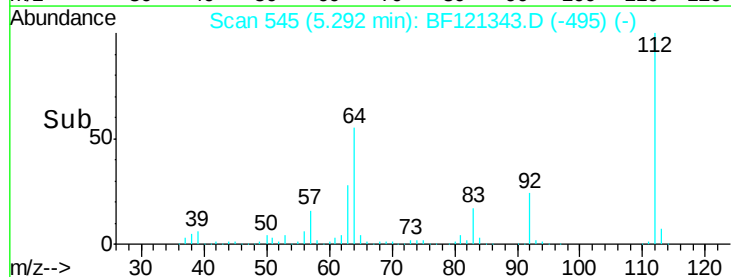
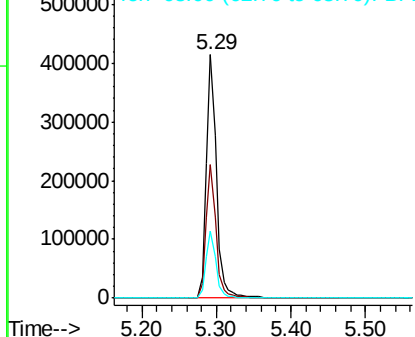
#5

2-Fluorophenol
 Concen: 42.955 ng
 RT: 5.29 min Scan# 545
 Delta R.T. -0.01 min
 Lab File: BF121343.D
 Acq: 20 Aug 2020 13:10

Tgt Ion:112 Resp: 397752
 Ion Ratio Lower Upper
 112 100
 64 54.8 43.5 65.3
 63 27.7 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: 41.088 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF121343.D

Acq: 20 Aug 2020 13:10

Instrument :

BNA_F

ClientSampleId :

SU-02-081820

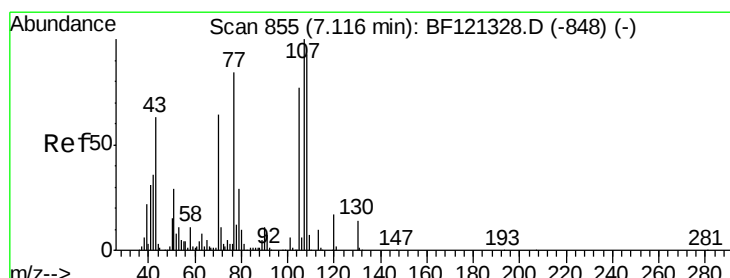
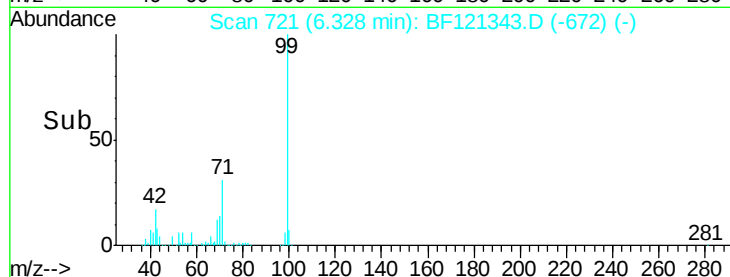
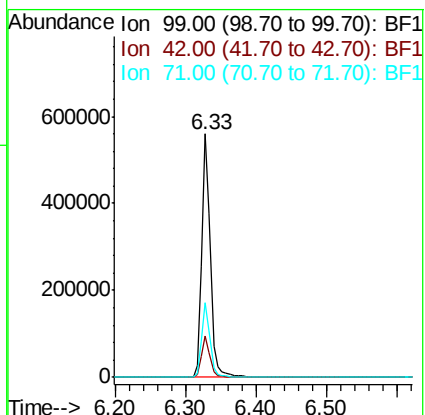
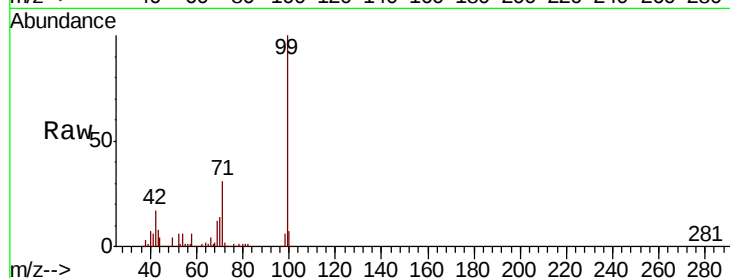
Tot Ion: 99 Resp: 485705

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

71 30.7 25.2 37.8



#19

n-Nitroso-di-n-propylamine

Concen: 6.253 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.14 min

Lab File: BF121343.D

Acq: 20 Aug 2020 13:10

Tgt Ion: 70 Resp: 39755

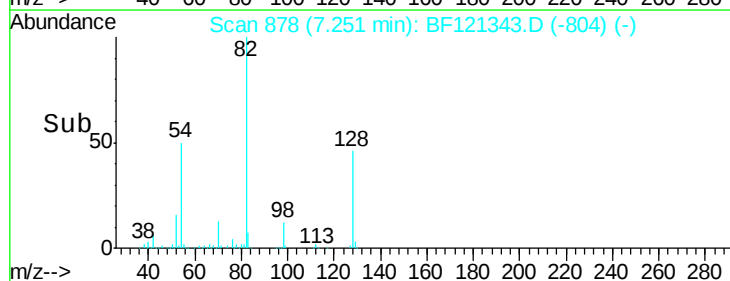
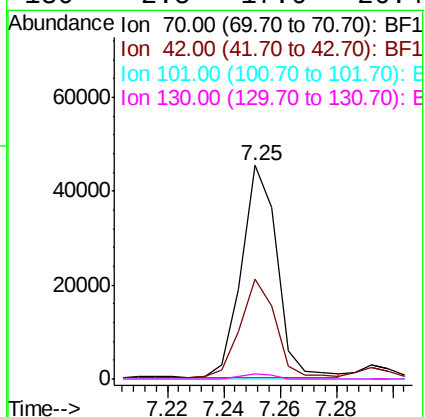
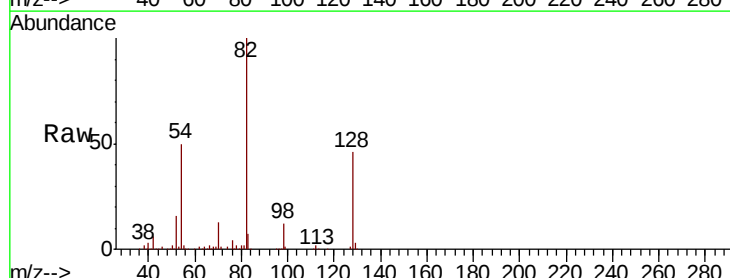
Ion Ratio Lower Upper

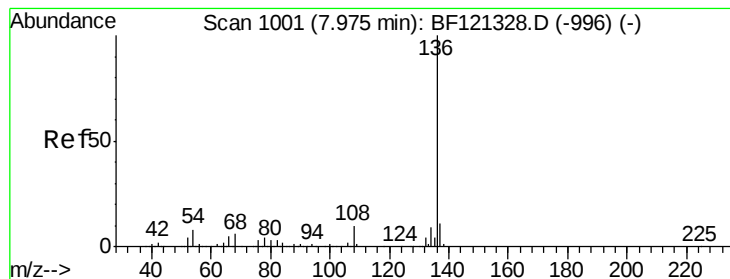
70 100

42 46.9 45.2 67.8

101 0.0 7.7 11.5#

130 2.5 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF121343.D

Acq: 20 Aug 2020 13:10

Instrument :

BNA_F

ClientSampleId :

SU-02-081820

Tot Ion:136 Resp: 584876

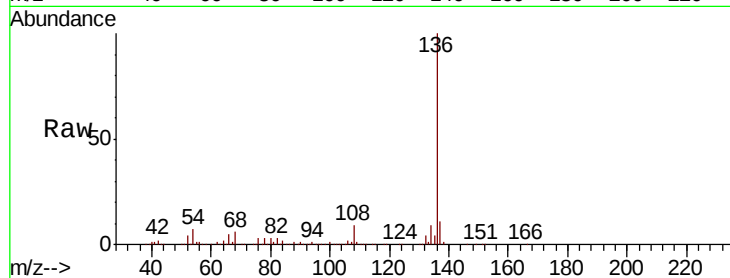
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.2 6.1 9.1

68 5.8 5.0 7.4

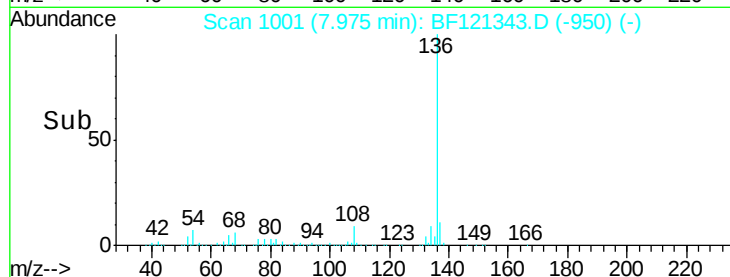


Abundance Ion 136.00 (135.70 to 136.70): E

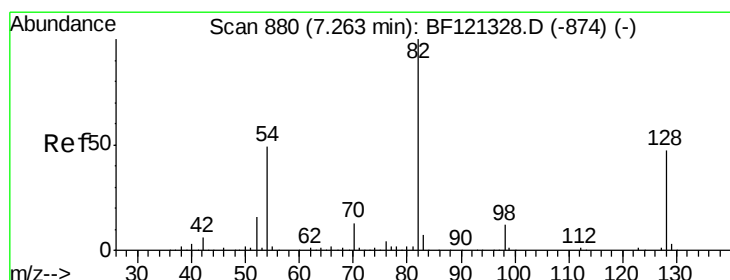
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 29.053 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF121343.D

Acq: 20 Aug 2020 13:10

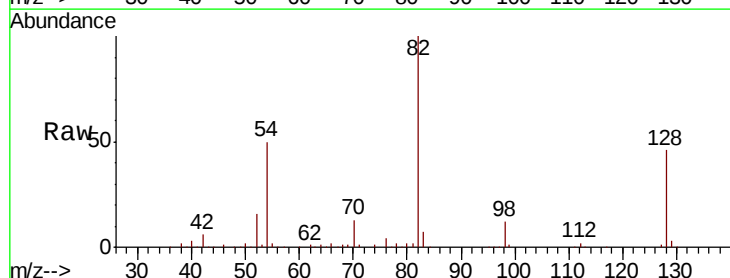
Tgt Ion: 82 Resp: 300455

Ion Ratio Lower Upper

82 100

128 45.7 37.9 56.9

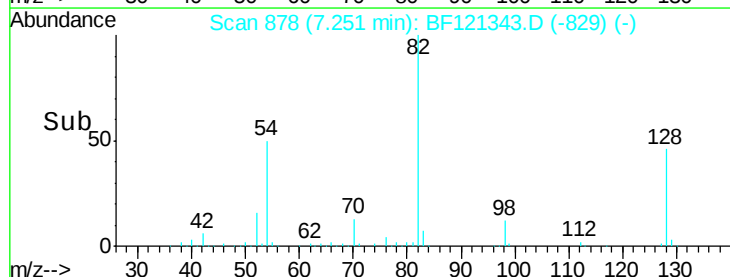
54 49.5 39.0 58.4



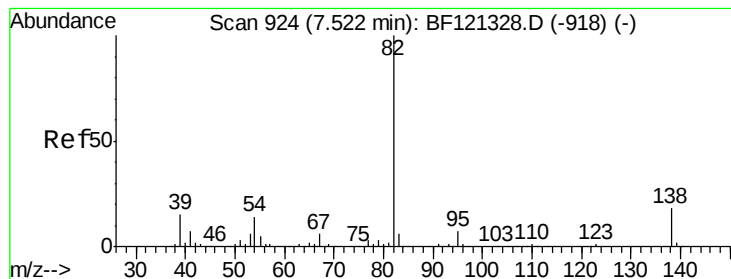
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->



#25

Isophorone

Concen: 15.858 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.27 min

Lab File: BF121343.D

Acq: 20 Aug 2020 13:10

Instrument :

BNA_F

ClientSampleId :

SU-02-081820

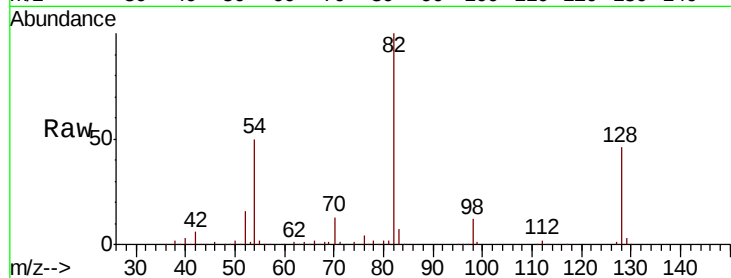
Tot Ion: 82 Resp: 298452

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

138 0.0 14.6 21.8#

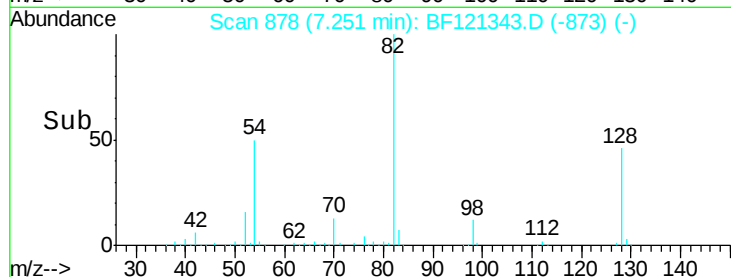


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



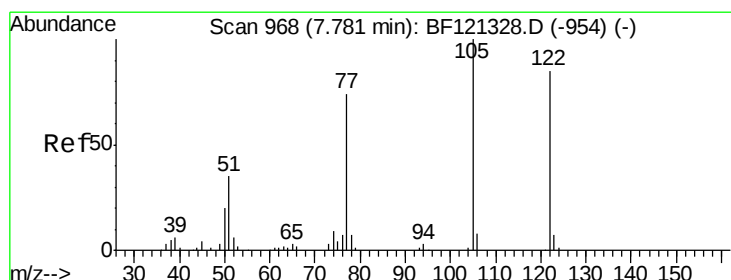
Abundance

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

Time-->



#32

Benzoic acid

Concen: 7.082 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF121343.D

Acq: 20 Aug 2020 13:10

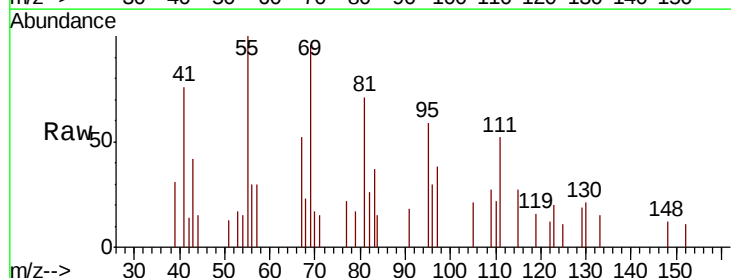
Tgt Ion: 122 Resp: 119

Ion Ratio Lower Upper

122 100

105 173.7 96.7 136.7#

77 183.7 66.7 106.7#

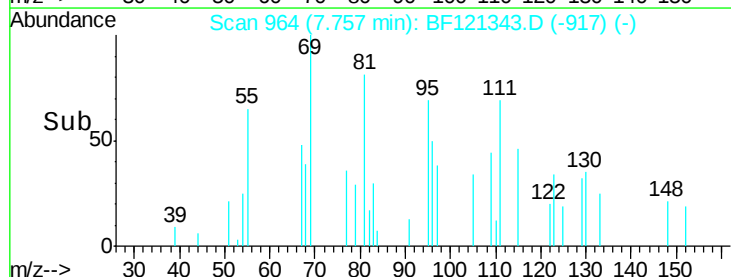


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Time-->



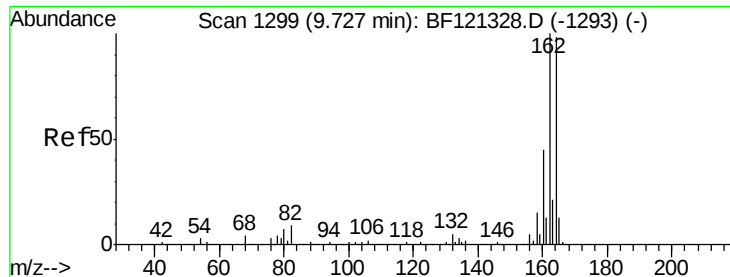
Abundance

Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

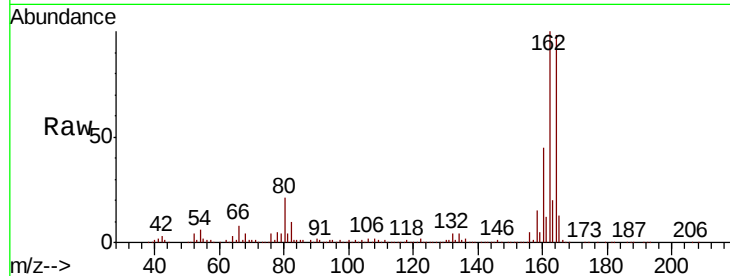
Time-->



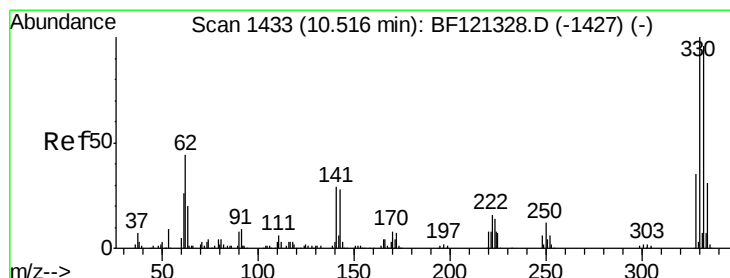
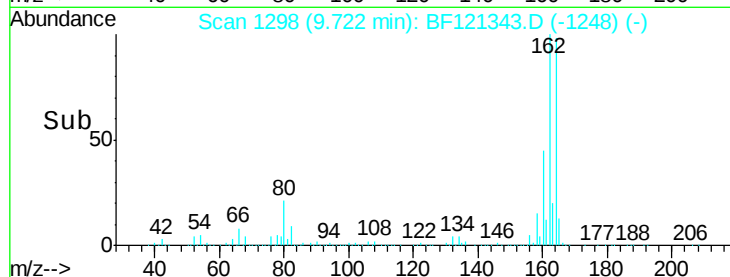
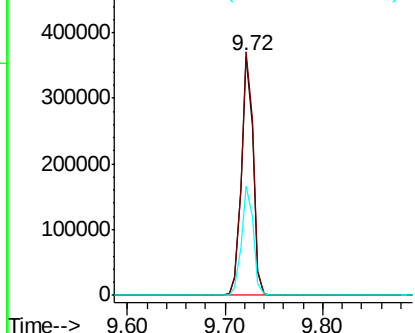
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF121343.D
 Acq: 20 Aug 2020 13:10

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-081820

Tot Ion:164 Resp: 303998
 Ion Ratio Lower Upper
 164 100
 162 101.9 81.7 122.5
 160 45.9 37.0 55.4

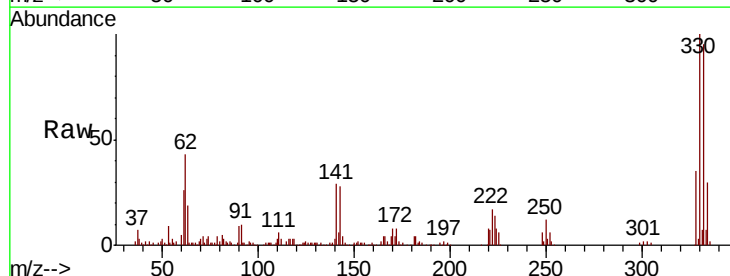


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

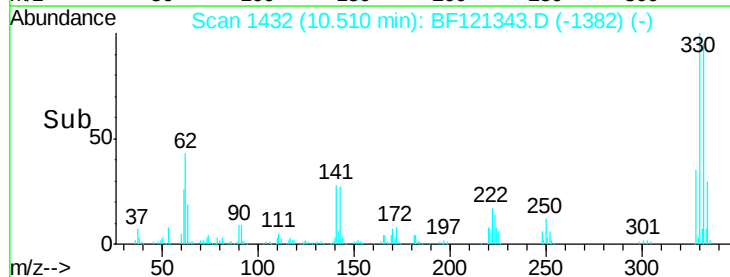
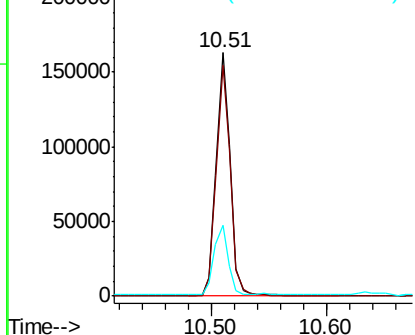


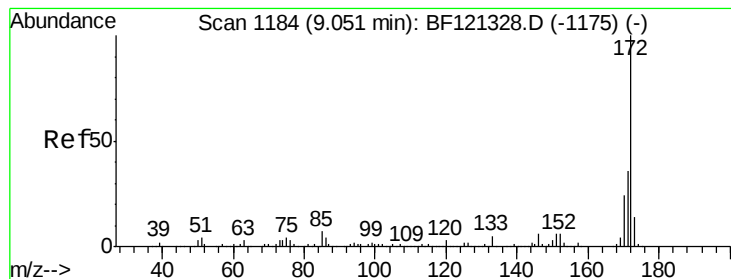
#42
 2,4,6-Tribromophenol
 Concen: 38.934 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF121343.D
 Acq: 20 Aug 2020 13:10

Tgt Ion:330 Resp: 137924
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.9 115.3
 141 28.8 22.8 34.2



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

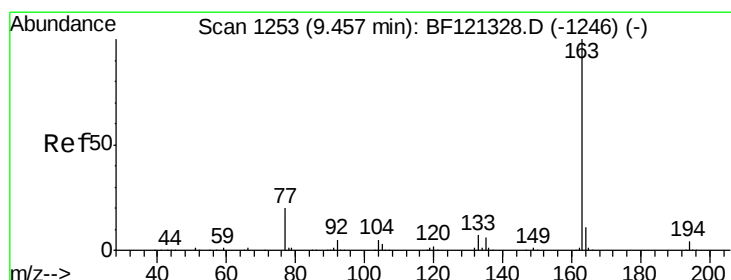
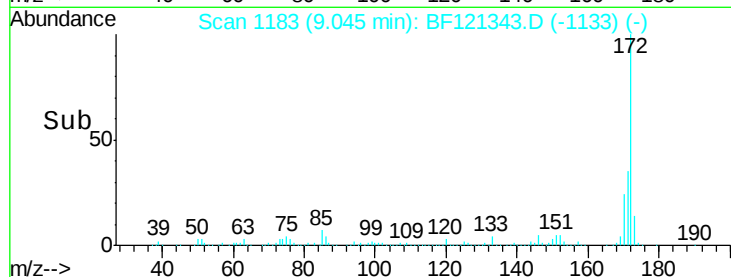
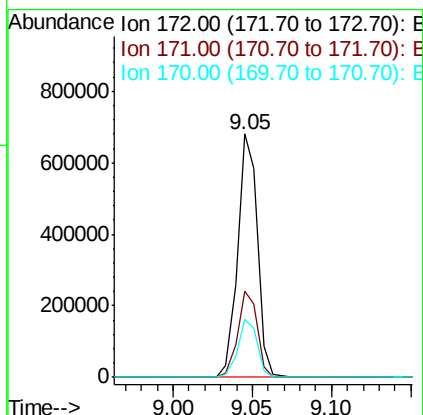
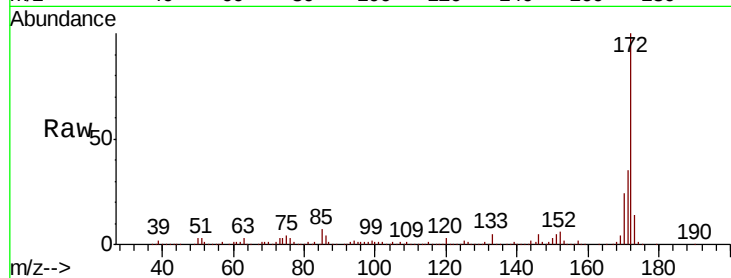




#45
2-Fluorobiphenyl
Concen: 28.586 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF121343.D
Acq: 20 Aug 2020 13:10

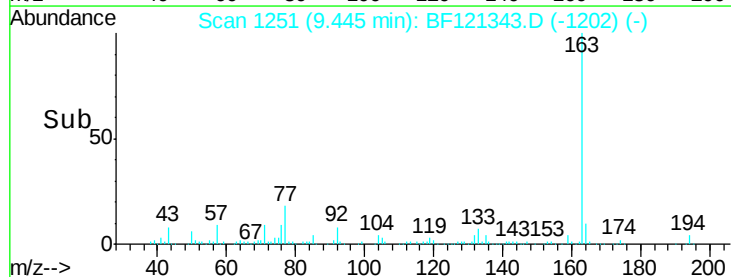
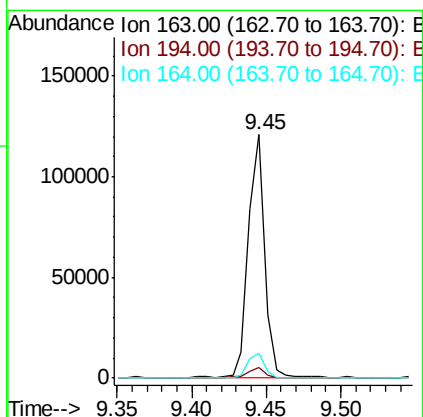
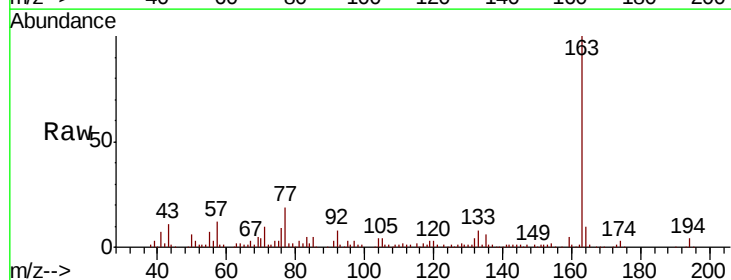
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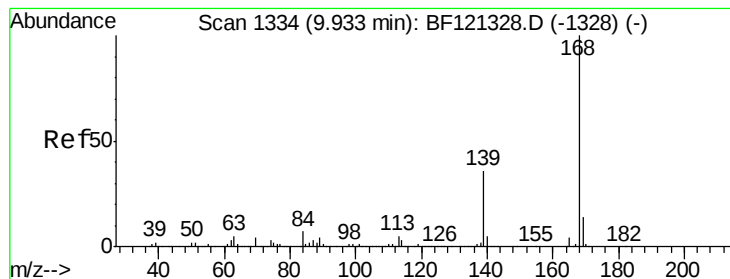
Tot Ion:172 Resp: 588542
Ion Ratio Lower Upper
172 100
171 35.4 29.0 43.6
170 23.7 19.4 29.2



#50
Dimethylphthalate
Concen: 4.093 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF121343.D
Acq: 20 Aug 2020 13:10

Tgt Ion:163 Resp: 90512
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.6
164 9.9 8.4 12.6





#55

Dibenzofuran

Concen: Below Cal

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF121343.D

Acq: 20 Aug 2020 13:10

Instrument :

BNA_F

ClientSampleId :

SU-02-081820

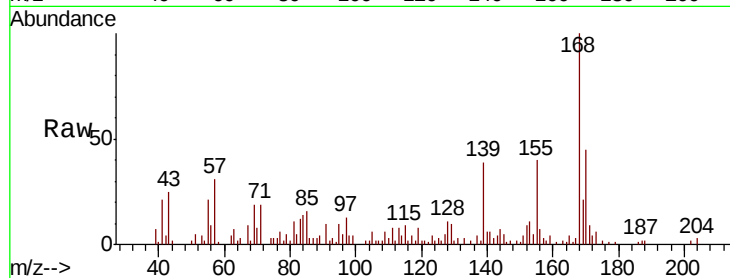
Tot Ion:168 Resp: 20578

Ion Ratio Lower Upper

168 100

139 39.3 29.1 43.7

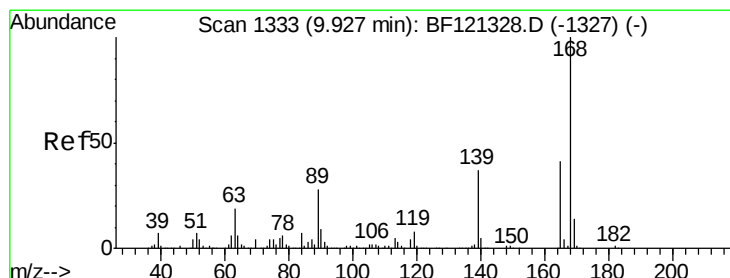
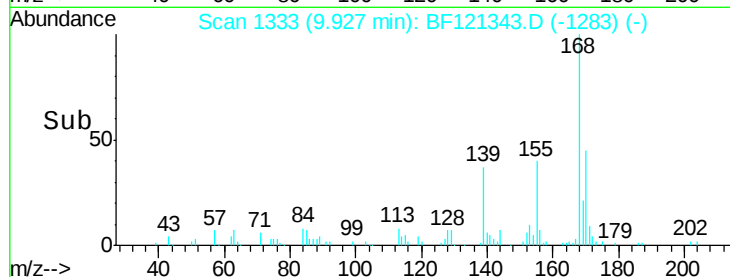
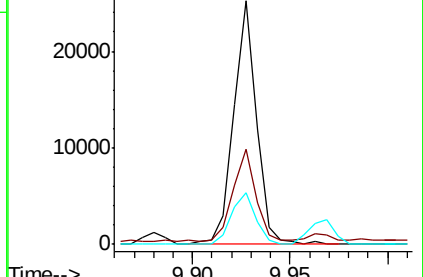
169 21.4 11.0 16.6#



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



#57

2,4-Dinitrotoluene

Concen: 7.534 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.21 min

Lab File: BF121343.D

Acq: 20 Aug 2020 13:10

Tgt Ion:165 Resp: 43412

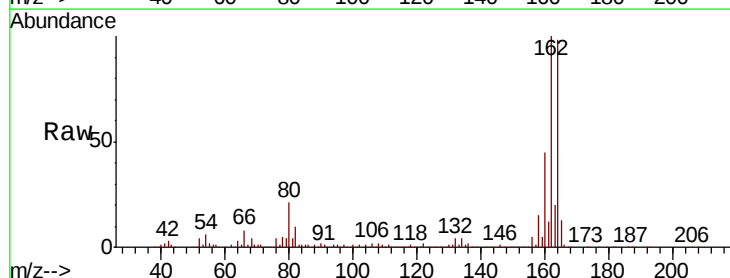
Ion Ratio Lower Upper

165 100

63 1.3 37.5 56.3#

89 1.8 54.2 81.4#

182 1.5 2.2 3.4#

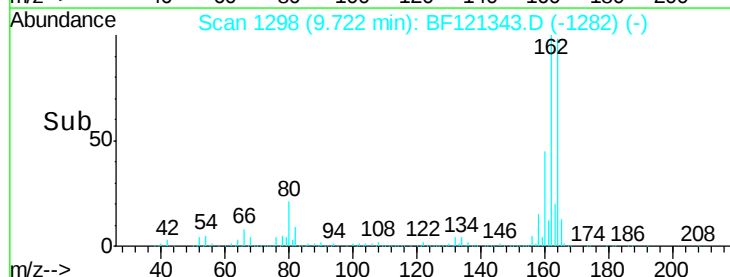
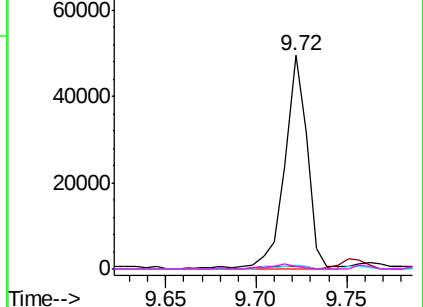


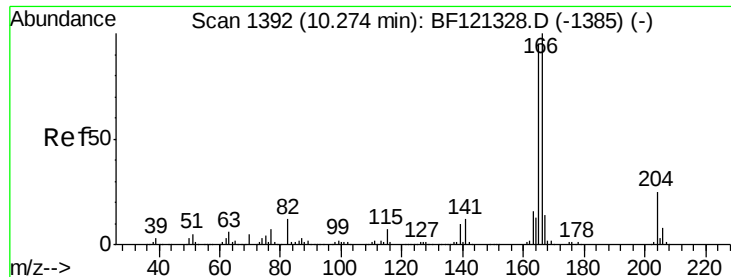
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: Below Cal

RT: 10.27 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BF121343.D

Acq: 20 Aug 2020 13:10

Instrument :

BNA_F

ClientSampleId :

SU-02-081820

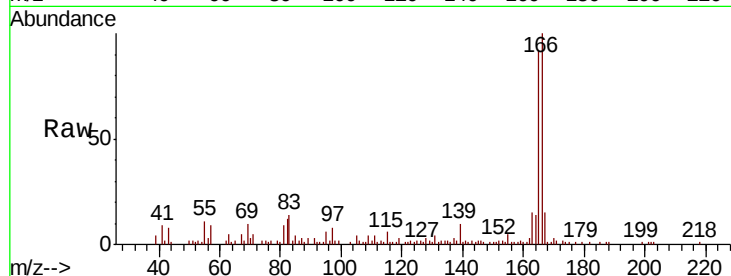
Tot Ion:166 Resp: 39369

Ion Ratio Lower Upper

166 100

165 91.6 75.8 113.8

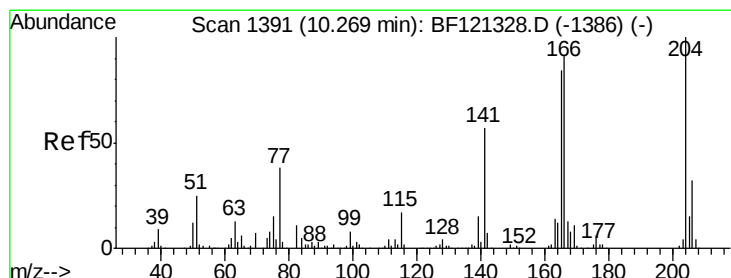
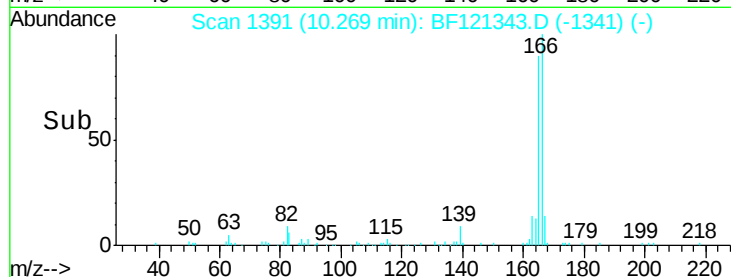
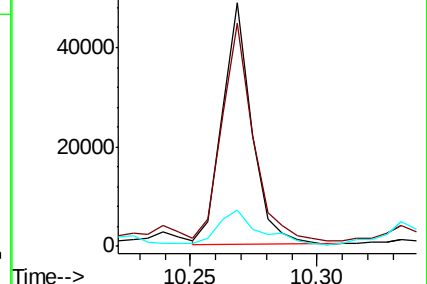
167 14.8 11.0 16.4



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



#61

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.09 min Scan# 1361

Delta R.T. -0.18 min

Lab File: BF121343.D

Acq: 20 Aug 2020 13:10

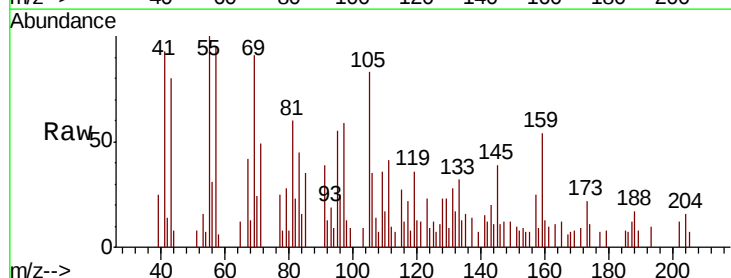
Tgt Ion:204 Resp: 1120

Ion Ratio Lower Upper

204 100

206 0.0 25.9 38.9#

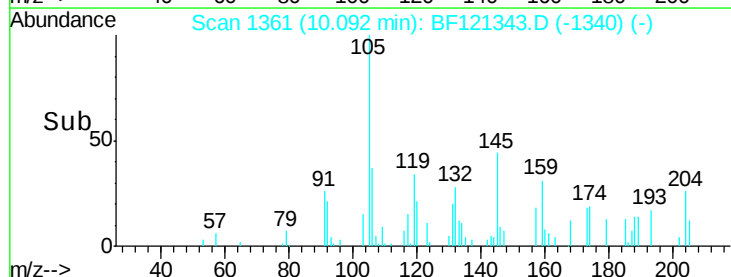
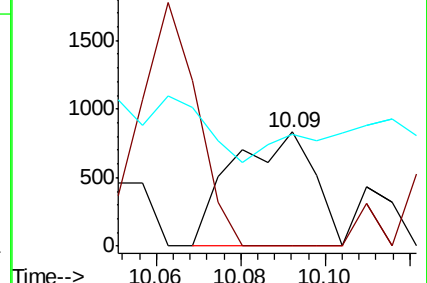
141 98.1 45.5 68.3#

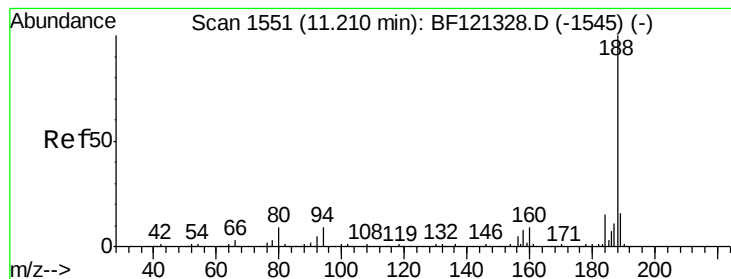


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BF121343.D

Acq: 20 Aug 2020 13:10

Instrument :

BNA_F

ClientSampleId :

SU-02-081820

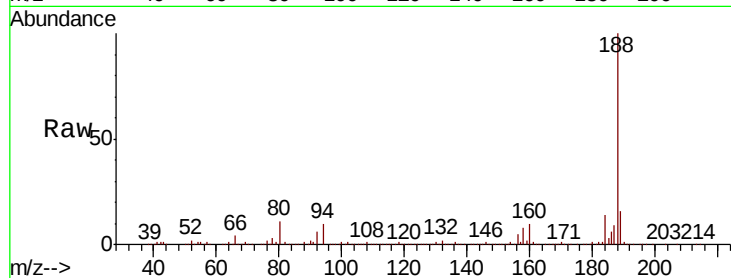
Tot Ion:188 Resp: 553286

Ion Ratio Lower Upper

188 100

94 10.1 7.2 10.8

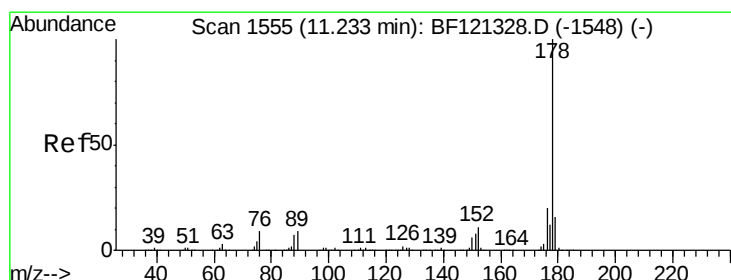
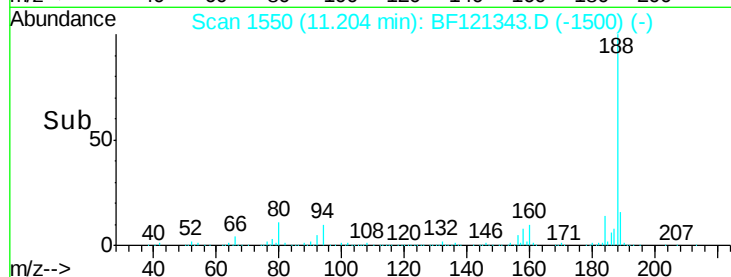
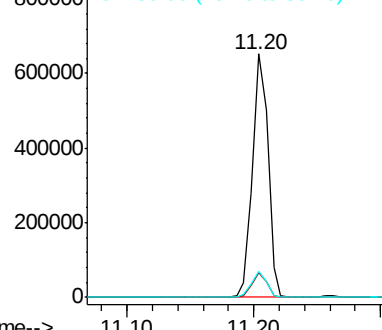
80 10.6 7.4 11.0



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: 9.000 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF121343.D

Acq: 20 Aug 2020 13:10

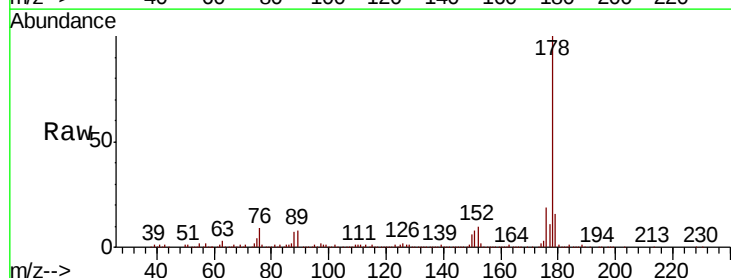
Tgt Ion:178 Resp: 257705

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

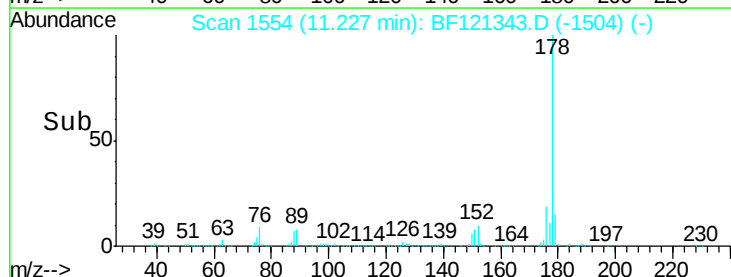
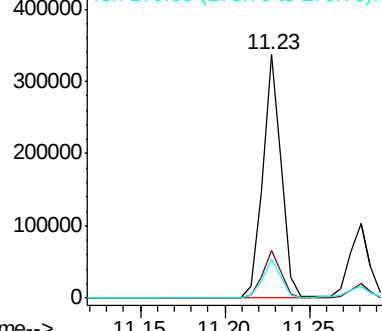
179 15.8 12.8 19.2

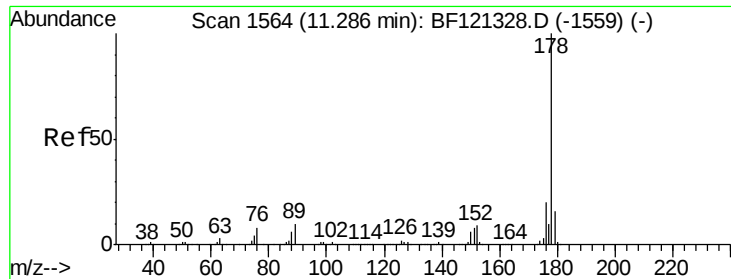


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.965 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF121343.D

Acq: 20 Aug 2020 13:10

Instrument :

BNA_F

ClientSampleId :

SU-02-081820

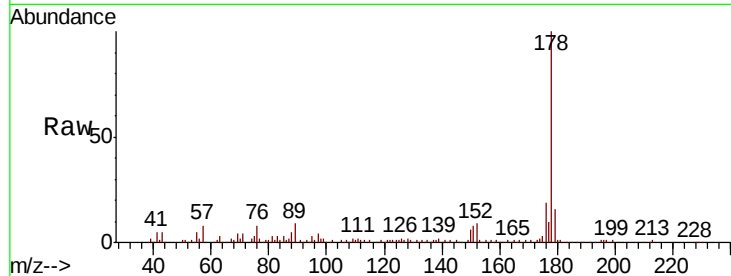
Tot Ion:178 Resp: 81752

Ion Ratio Lower Upper

178 100

176 18.7 15.6 23.4

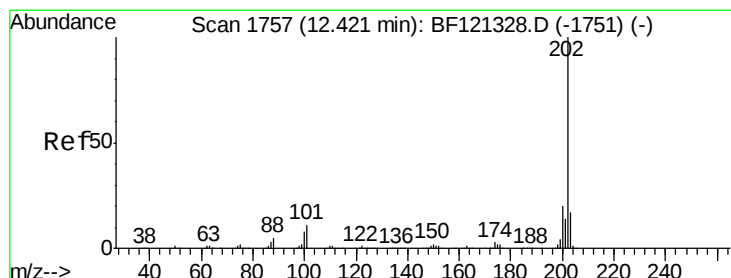
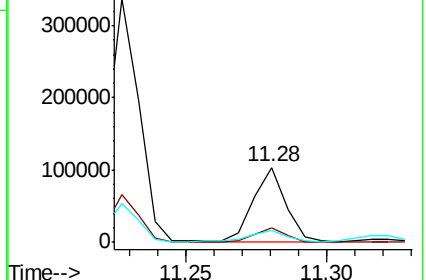
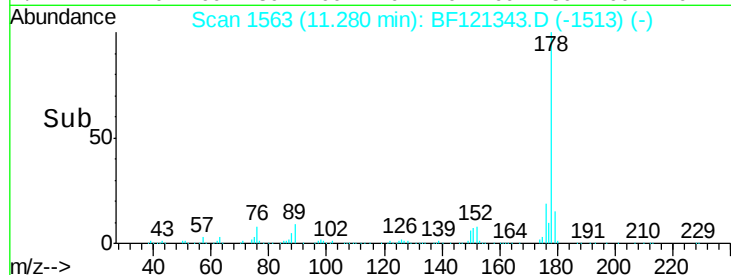
179 15.8 12.8 19.2



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: 13.189 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF121343.D

Acq: 20 Aug 2020 13:10

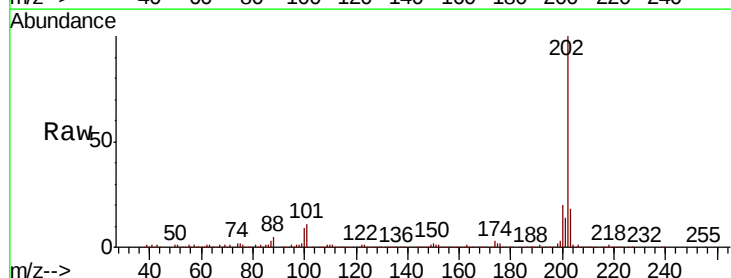
Tgt Ion:202 Resp: 409913

Ion Ratio Lower Upper

202 100

101 11.4 0.0 30.6

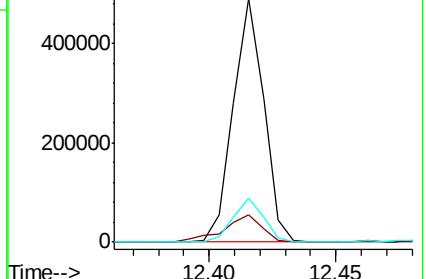
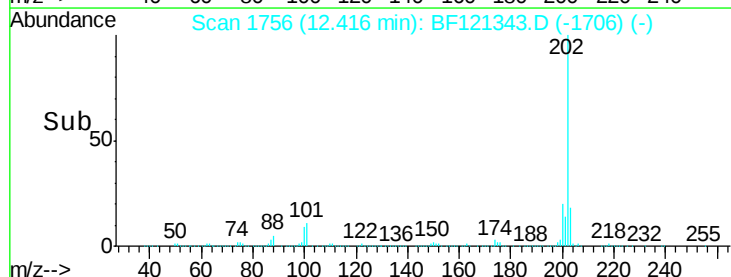
203 17.9 0.0 37.5

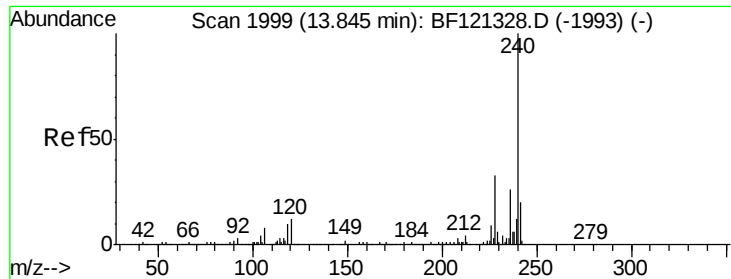


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

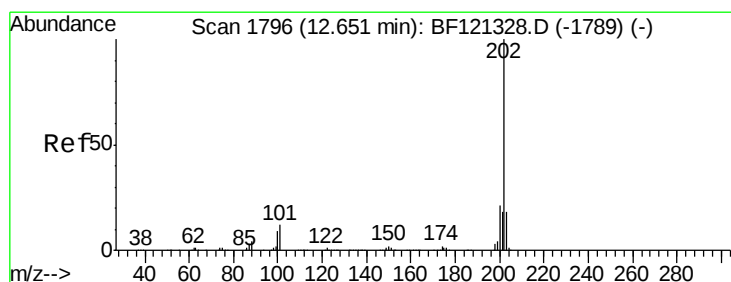
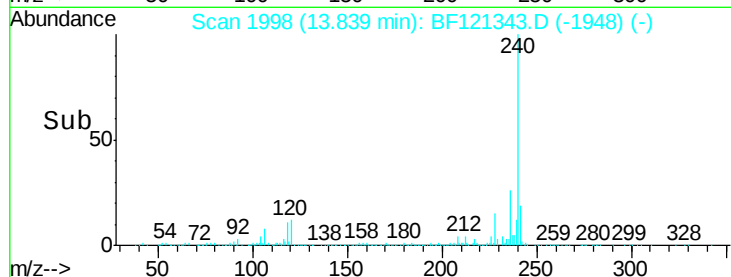
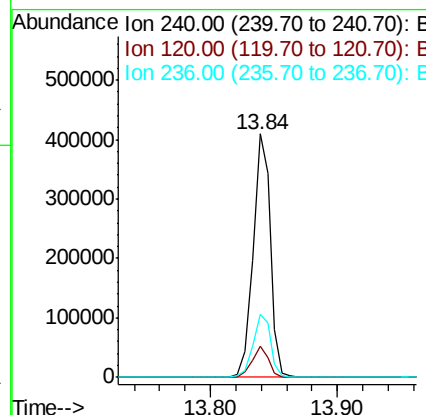
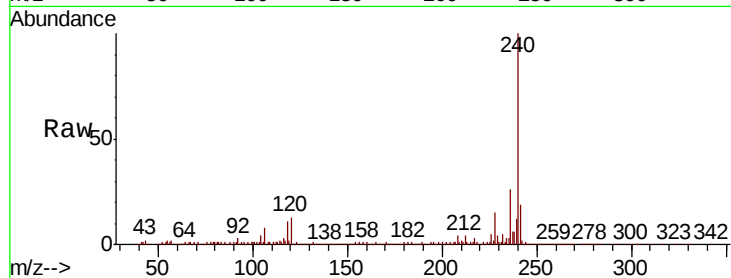




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF121343.D
Acq: 20 Aug 2020 13:10

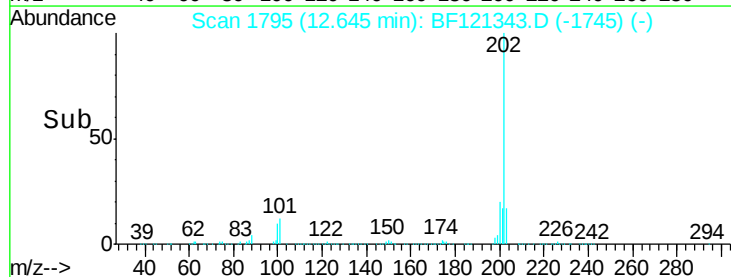
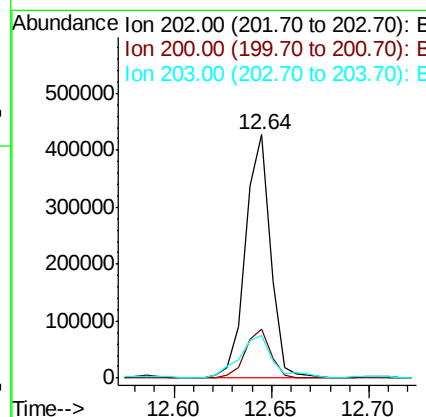
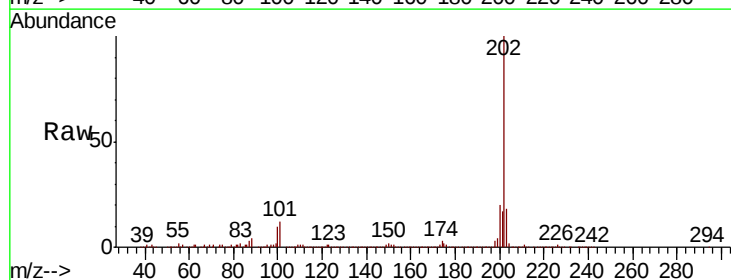
Instrument :
BNA_F
ClientSampleId :
SU-02-081820

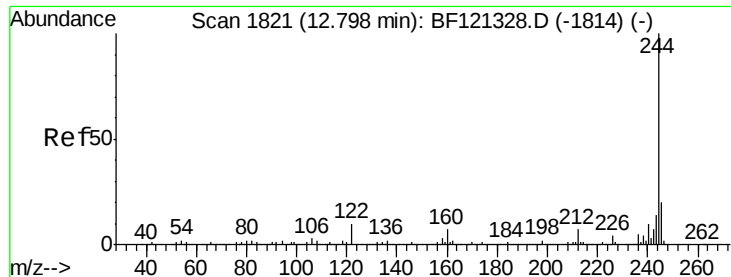
Tot Ion:240 Resp: 383391
Ion Ratio Lower Upper
240 100
120 12.6 9.6 14.4
236 26.0 20.6 31.0



#78
Pyrene
Concen: 13.185 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF121343.D
Acq: 20 Aug 2020 13:10

Tgt Ion:202 Resp: 379714
Ion Ratio Lower Upper
202 100
200 20.1 16.6 24.8
203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 27.176 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF121343.D

Acq: 20 Aug 2020 13:10

Instrument :

BNA_F

ClientSampleId :

SU-02-081820

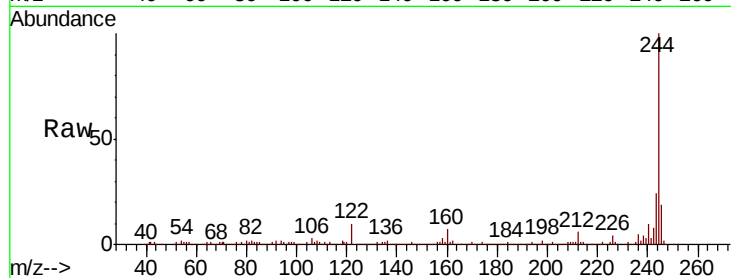
Tot Ion:244 Resp: 533165

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

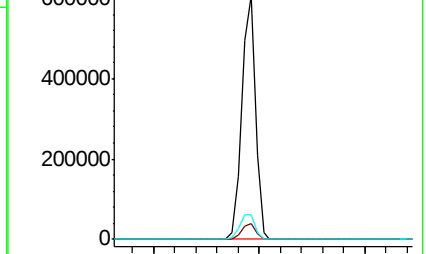
122 10.3 7.8 11.8



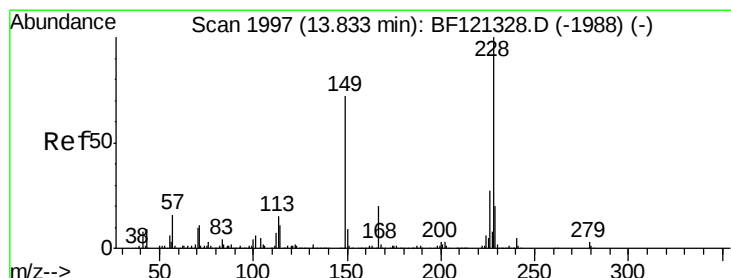
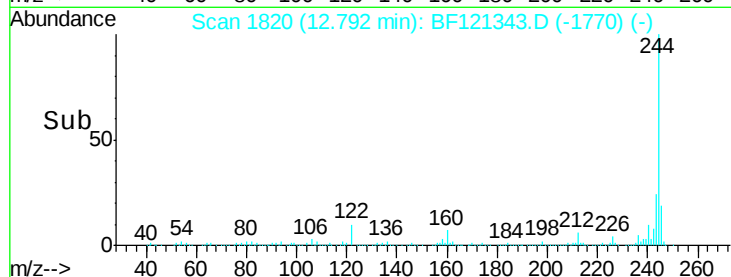
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#81

Benzo(a)anthracene

Concen: 7.258 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF121343.D

Acq: 20 Aug 2020 13:10

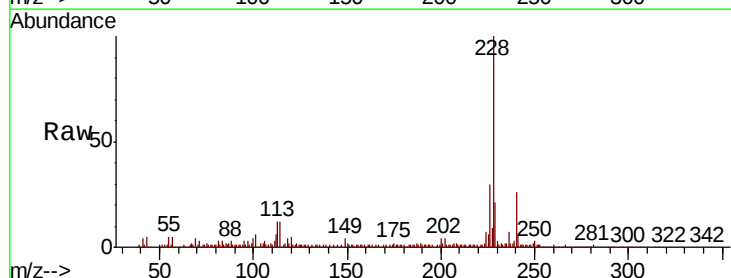
Tgt Ion:228 Resp: 172834

Ion Ratio Lower Upper

228 100

226 30.3 21.8 32.6

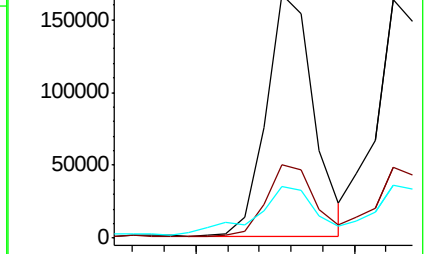
229 21.4 15.8 23.8



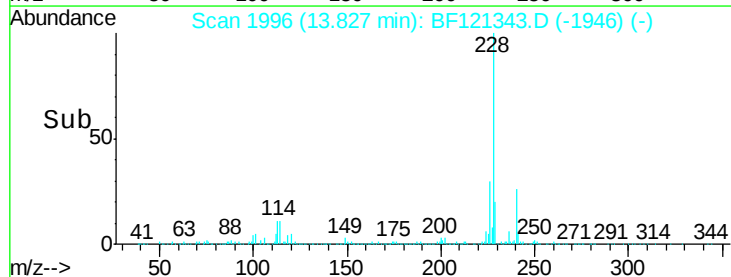
Abundance Ion 228.00 (227.70 to 228.70): E

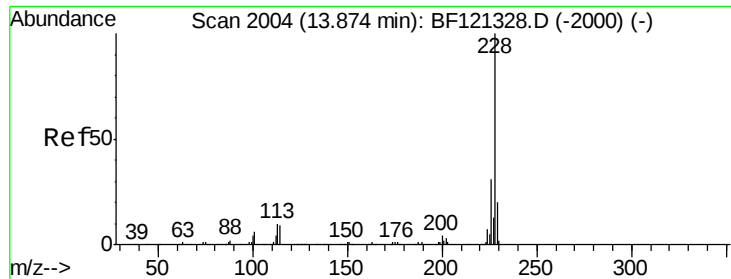
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->

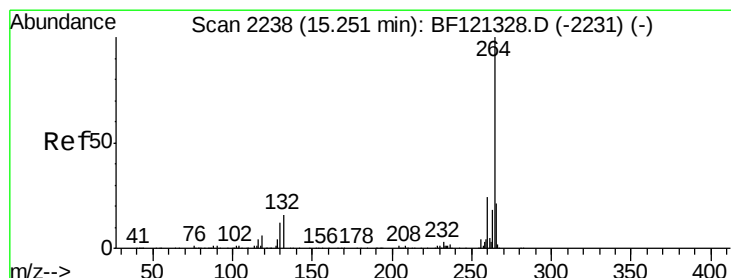
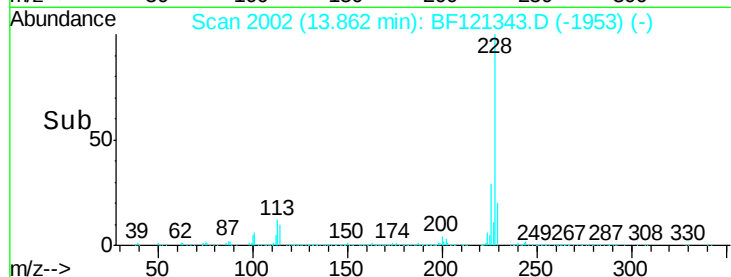
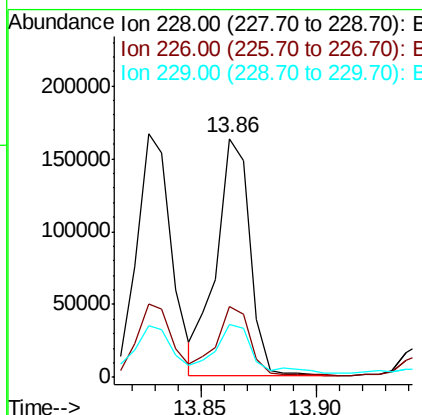
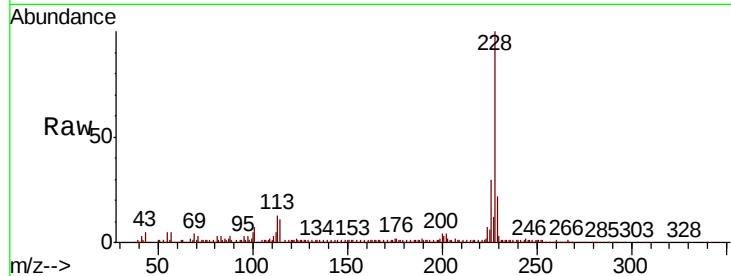




#83
 Chrysene
 Concen: 6.758 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF121343.D
 Acq: 20 Aug 2020 13:10

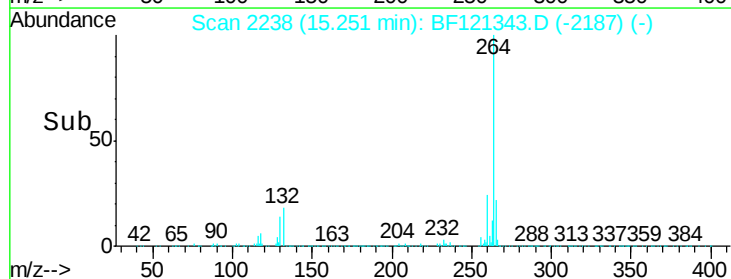
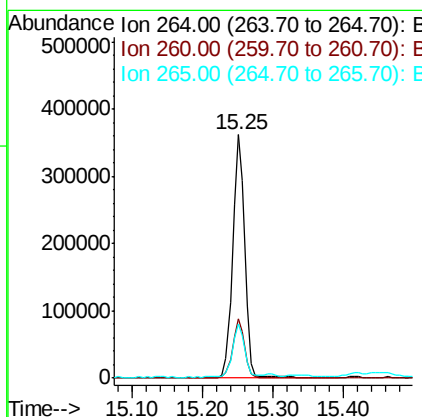
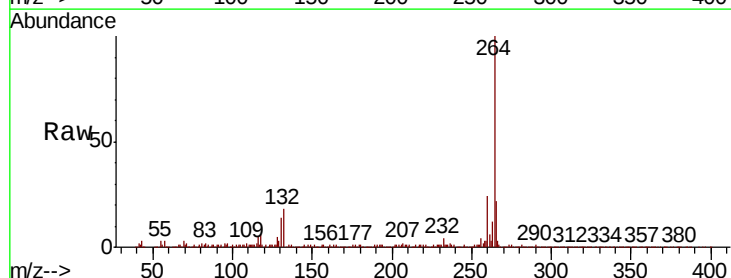
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-081820

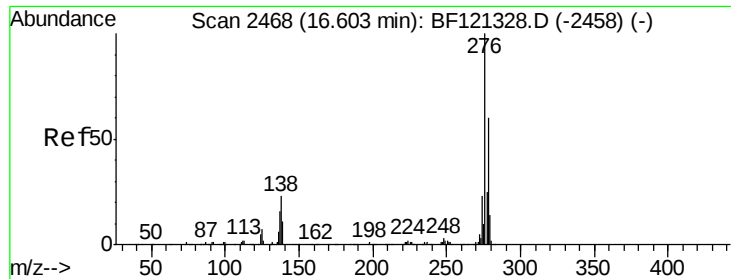
Tot Ion:228	Resp:	164585
Ion	Ratio	Lower Upper
228	100	
226	29.6	24.6 36.8
229	22.0	15.9 23.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.25 min Scan# 2238
 Delta R.T. 0.00 min
 Lab File: BF121343.D
 Acq: 20 Aug 2020 13:10

Tgt Ion:264	Resp:	424912
Ion	Ratio	Lower Upper
264	100	
260	24.3	19.5 29.3
265	22.3	17.1 25.7

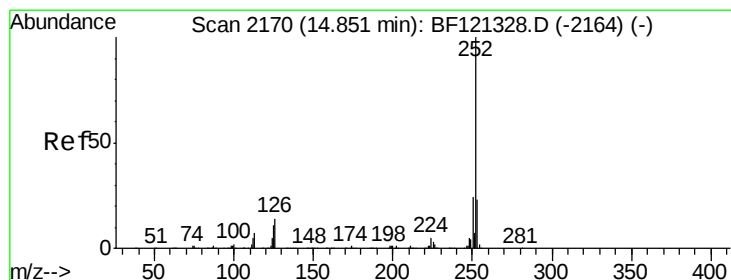
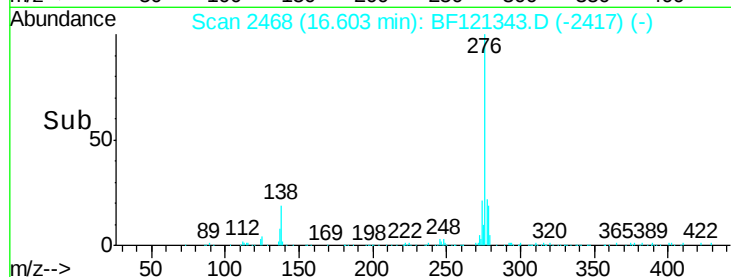
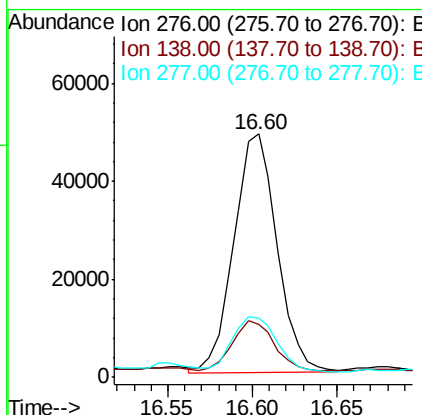
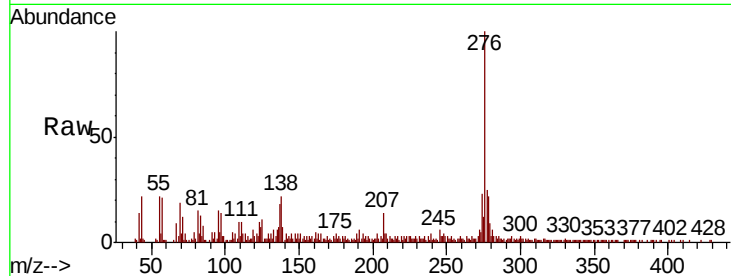




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.347 ng
 RT: 16.60 min Scan# 2468
 Delta R.T. 0.00 min
 Lab File: BF121343.D
 Acq: 20 Aug 2020 13:10

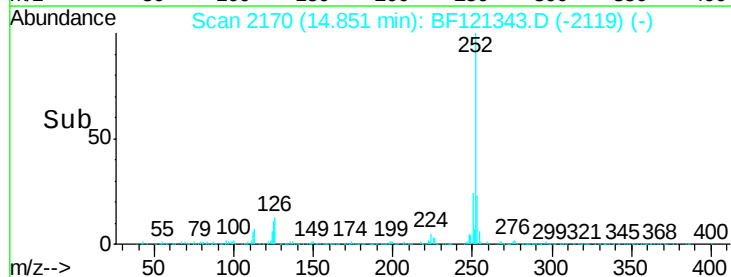
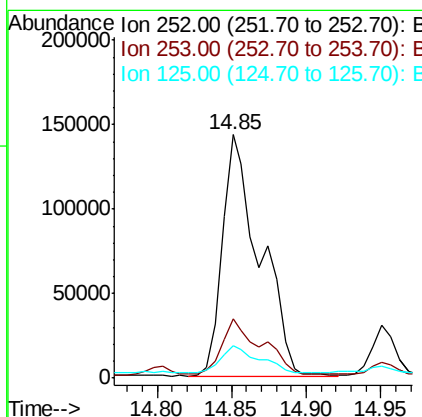
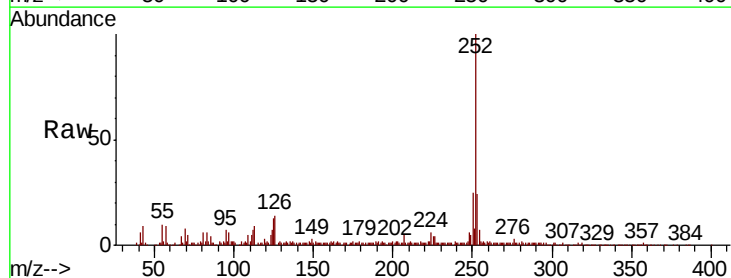
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-081820

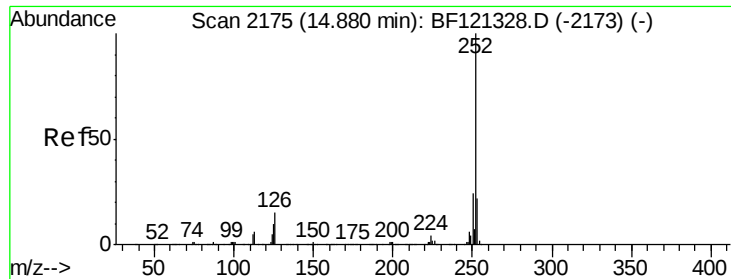
Tot Ion:276	Resp:	86823
Ion Ratio	Lower	Upper
276	100	
138	20.3	19.4 29.0
277	23.8	19.9 29.9



#88
 Benzo(b)fluoranthene
 Concen: 9.118 ng
 RT: 14.85 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: BF121343.D
 Acq: 20 Aug 2020 13:10

Tgt Ion:252	Resp:	250287
Ion Ratio	Lower	Upper
252	100	
253	24.2	18.0 27.0
125	13.4	8.6 12.8#

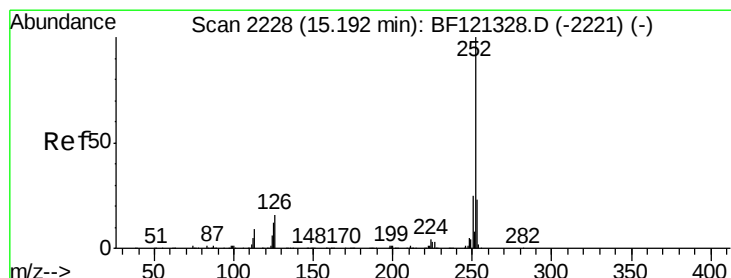
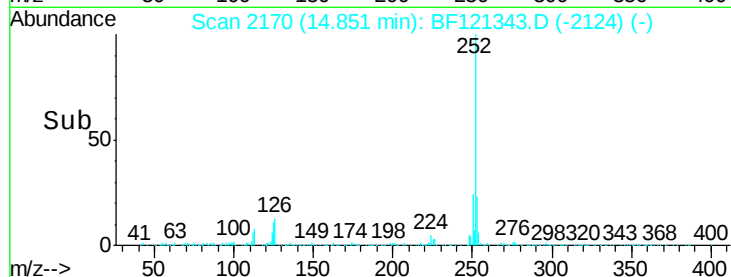
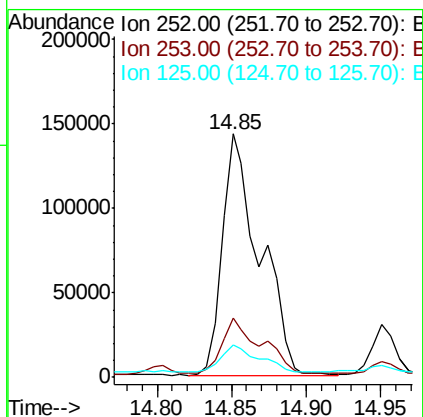
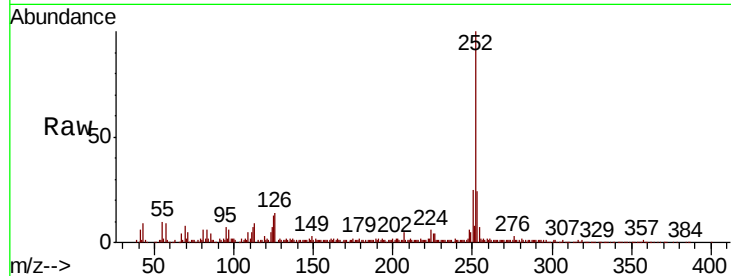




#89
Benzo(k)fluoranthene
Concen: 10.358 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF121343.D
Acq: 20 Aug 2020 13:10

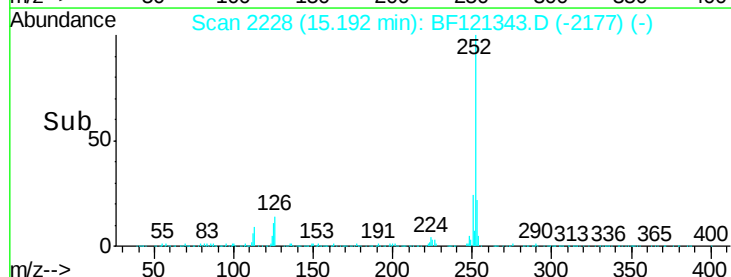
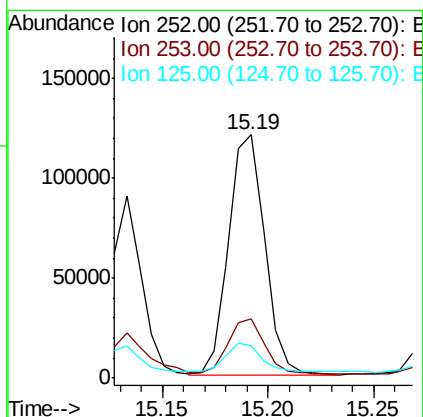
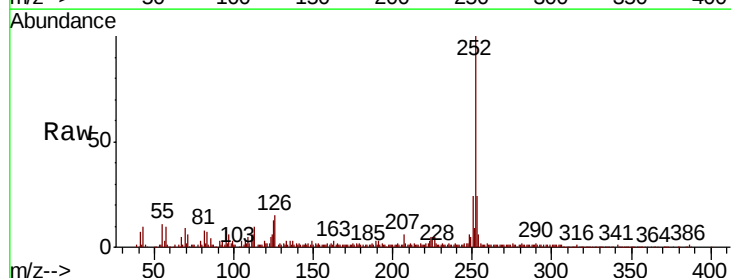
Instrument :
BNA_F
ClientSampleId :
SU-02-081820

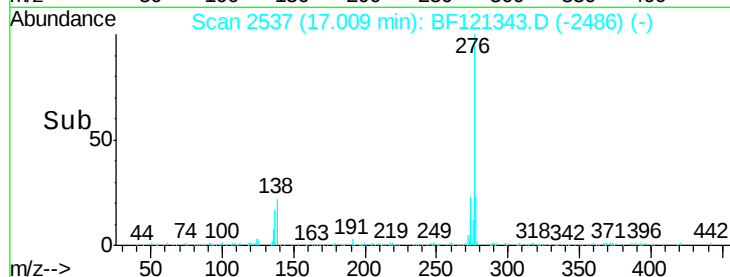
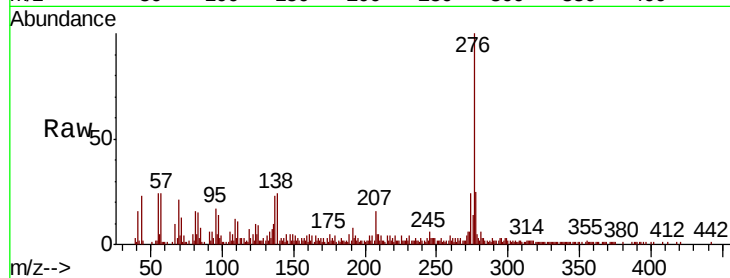
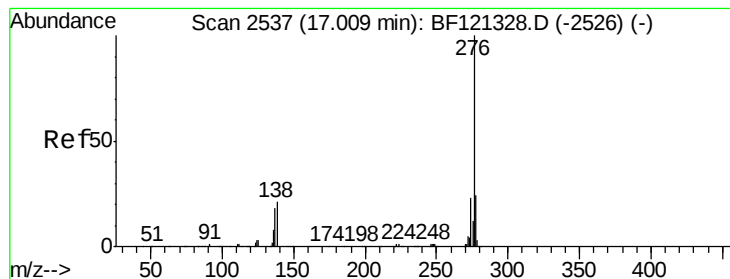
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	13.4	8.6	12.8



#90
Benzo(a)pyrene
Concen: 6.039 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.00 min
Lab File: BF121343.D
Acq: 20 Aug 2020 13:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	13.3	9.4	14.0





#92

Benzo(a,h,i)perylene

Concen: 3.833 ng

RT: 17.01 min Scan# 2537

Delta R.T. 0.00 min

Lab File: BF121343.D

Acq: 20 Aug 2020 13:10

Instrument :

BNA_F

ClientSampleId :

SU-02-081820

Tot Ion:276 Resp: 79686

Ion Ratio Lower Upper

276 100

277 25.5 19.3 28.9

138 23.8 16.8 25.2

