

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051822\
 Data File : BF128320.D
 Acq On : 18 May 2022 19:26
 Operator : CG\JU
 Sample : N2906-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CDF-1

Quant Time: May 19 06:50:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 06:47:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

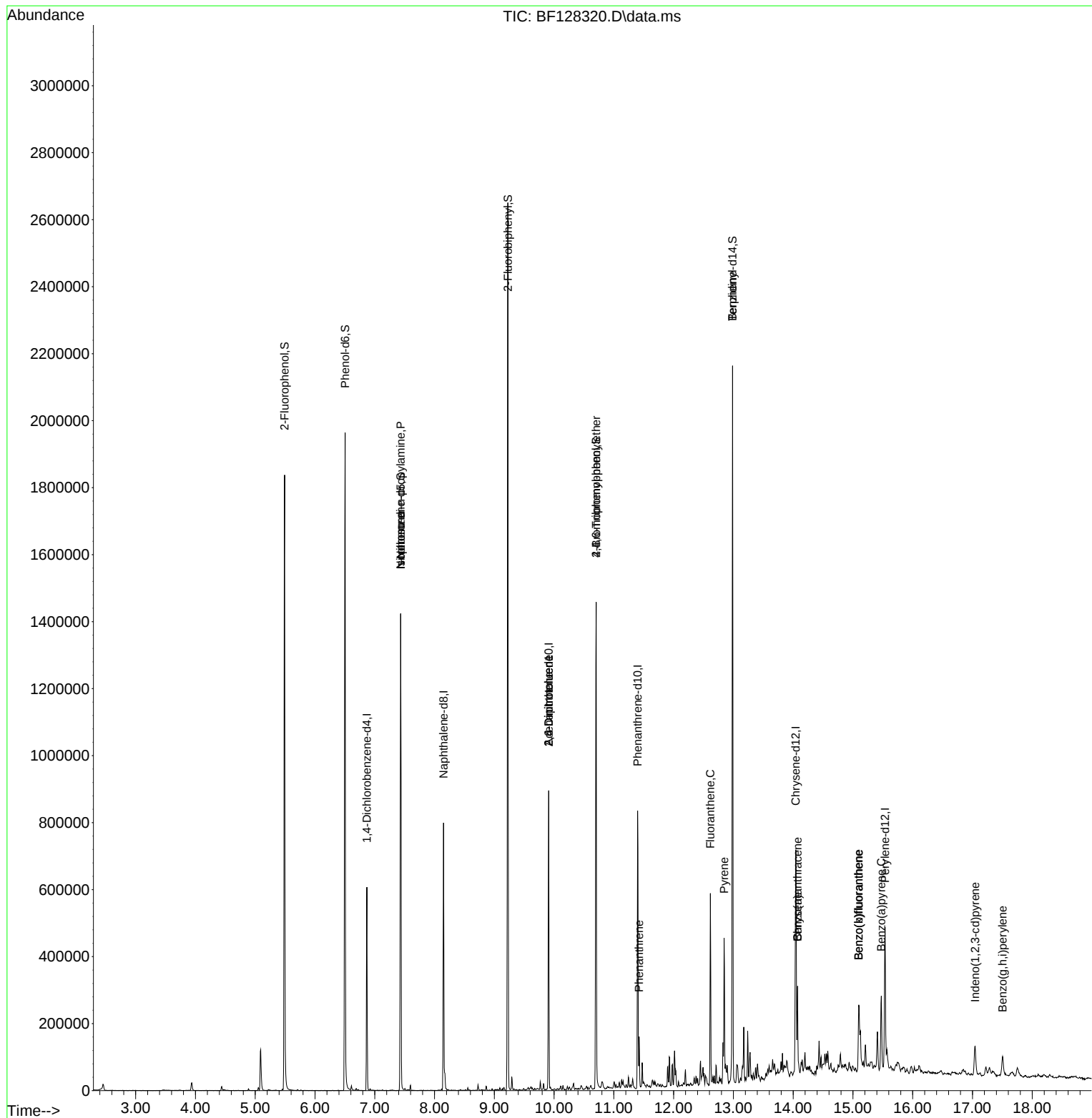
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	79719	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	304208	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	169192	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	295148	20.000	ng	0.00
76) Chrysene-d12	14.045	240	173729	20.000	ng	#-0.01
86) Perylene-d12	15.539	264	191254	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	458105	91.607	ng	0.00
7) Phenol-d6	6.504	99	618392	93.493	ng	0.00
23) Nitrobenzene-d5	7.434	82	448009	66.267	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	162322	83.653	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	713455	65.980	ng	0.00
79) Terphenyl-d14	12.986	244	668690	72.224	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.387	77	62	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.434	70	61601	15.123	ng	# 80
25) Isophorone	7.434	82	448006	42.268	ng	# 68
51) 2,6-Dinitrotoluene	9.910	165	22343	9.329	ng	# 21
57) 2,4-Dinitrotoluene	9.910	165	22343	6.977	ng	# 26
67) 4-Bromophenyl-phenylether	10.704	248	10485	3.302	ng	# 1
71) Phenanthrene	11.422	178	50192	3.415	ng	99
75) Fluoranthene	12.616	202	198687	12.470	ng	99
77) Benzidine	12.986	184	9872	2.624	ng	# 93
78) Pyrene	12.845	202	165359	13.127	ng	98
81) Benzo(a)anthracene	14.074	228	96950	8.737	ng	96
83) Chrysene	14.074	228	96950	9.157	ng	99
87) Indeno(1,2,3-cd)pyrene	17.045	276	53890	4.658	ng	97
88) Benzo(b)fluoranthene	15.098	252	162085	13.671	ng	99
89) Benzo(k)fluoranthene	15.098	252	162085	13.850	ng	98
90) Benzo(a)pyrene	15.474	252	98017	10.241	ng	98
92) Benzo(g,h,i)perylene	17.503	276	44118	4.652	ng	94

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

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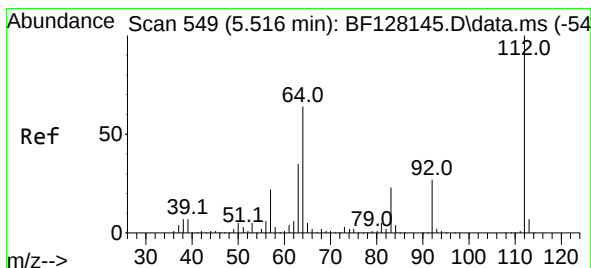
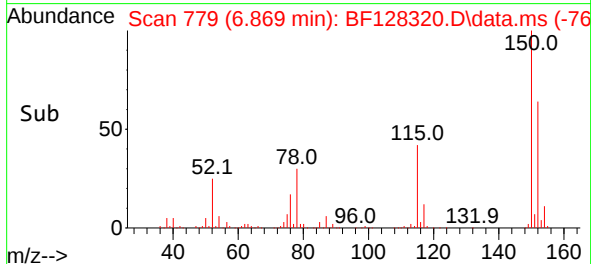
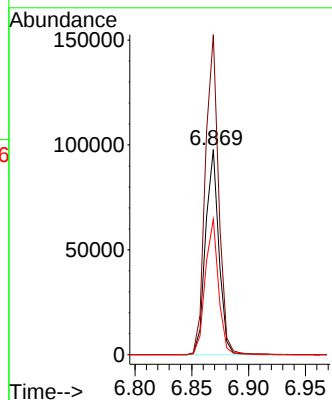
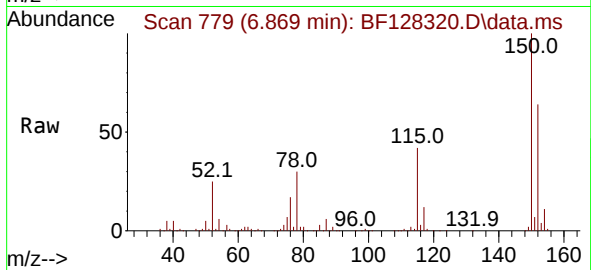




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

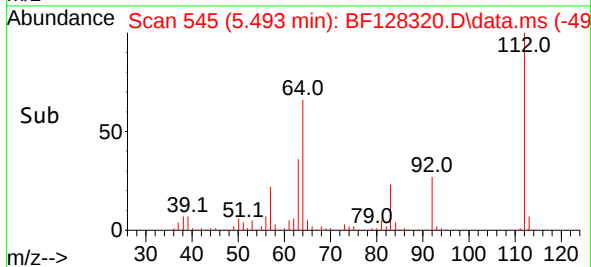
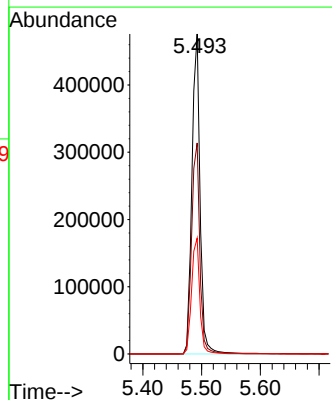
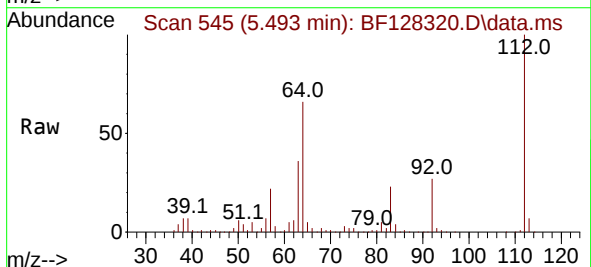
Instrument :
BNA_F
ClientSampleId :
CDF-1

Tgt Ion:152 Resp: 79719
Ion Ratio Lower Upper
152 100
150 156.0 125.3 187.9
115 66.0 48.8 73.2



#5
2-Fluorophenol
Concen: 91.607 ng
RT: 5.493 min Scan# 545
Delta R.T. 0.000 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

Tgt Ion:112 Resp: 458105
Ion Ratio Lower Upper
112 100
64 65.9 49.5 74.3
63 36.2 26.3 39.5

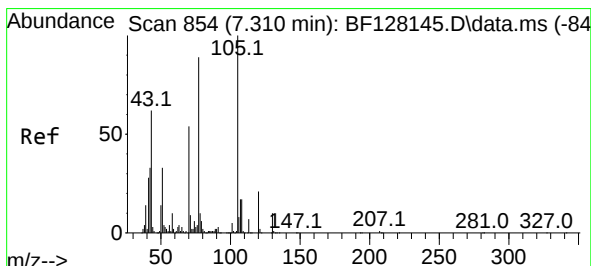
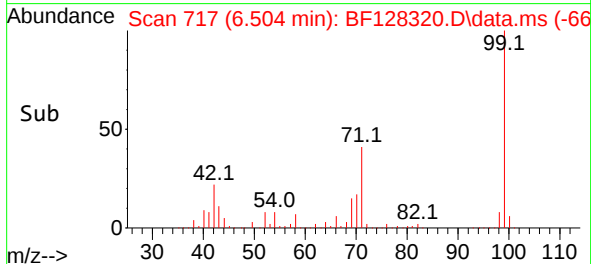
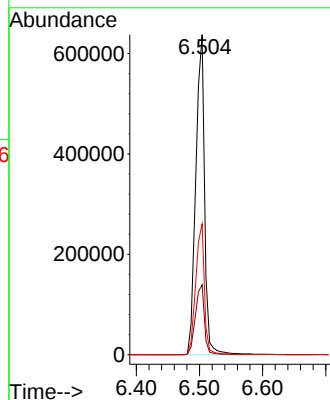
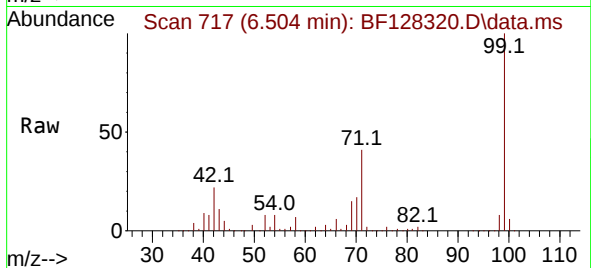




#7
Phenol-d6
Concen: 93.493 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

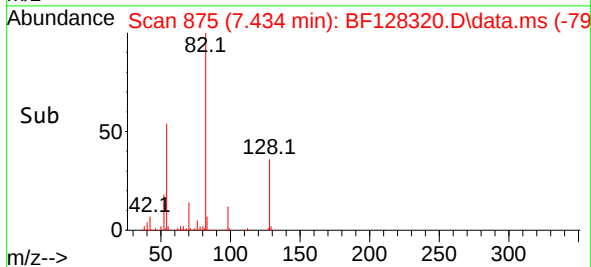
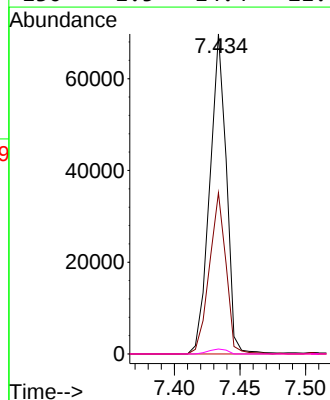
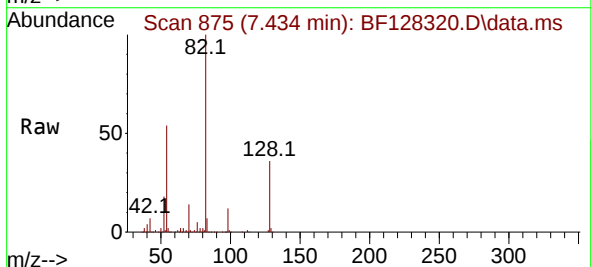
Instrument :
BNA_F
ClientSampleId :
CDF-1

Tgt Ion: 99 Resp: 618392
Ion Ratio Lower Upper
99 100
42 21.9 16.6 24.8
71 40.9 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.123 ng
RT: 7.434 min Scan# 875
Delta R.T. 0.147 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

Tgt Ion: 70 Resp: 61601
Ion Ratio Lower Upper
70 100
42 50.4 48.7 73.1
101 0.0 7.2 10.8#
130 1.5 14.4 21.6#

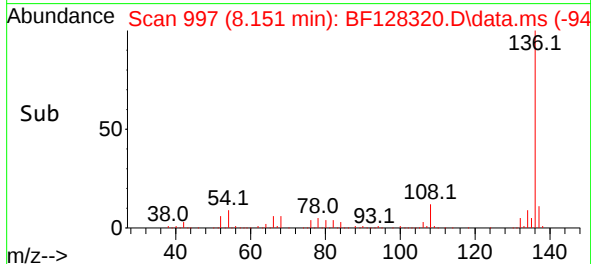
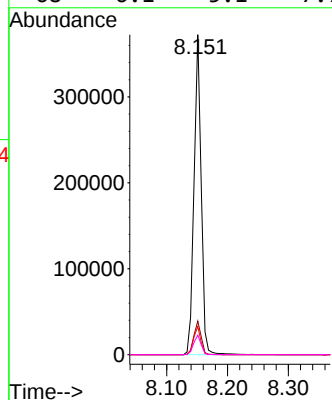
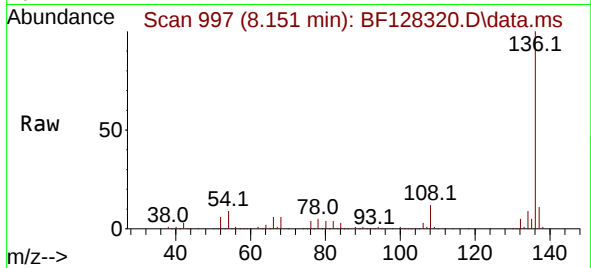




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

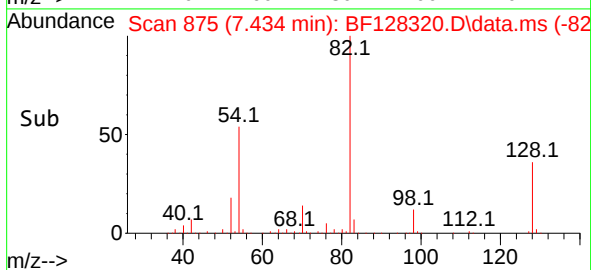
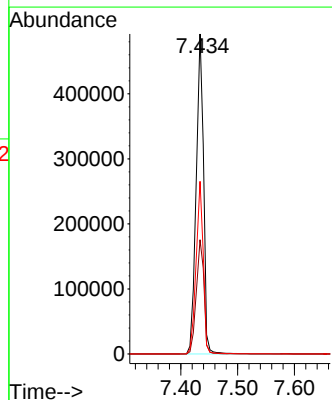
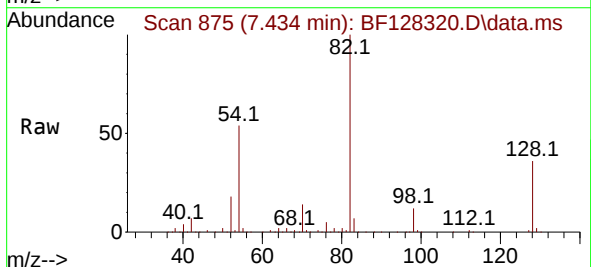
Instrument :
BNA_F
ClientSampleId :
CDF-1

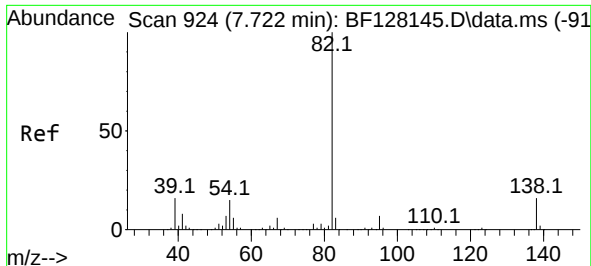
Tgt Ion:136 Resp: 304208
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.8 6.8 10.2
68 6.1 5.1 7.7



#23
Nitrobenzene-d5
Concen: 66.267 ng
RT: 7.434 min Scan# 875
Delta R.T. -0.012 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

Tgt Ion: 82 Resp: 448009
Ion Ratio Lower Upper
82 100
128 35.7 30.0 45.0
54 53.9 41.3 61.9

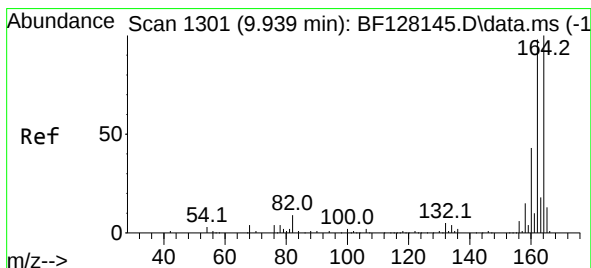
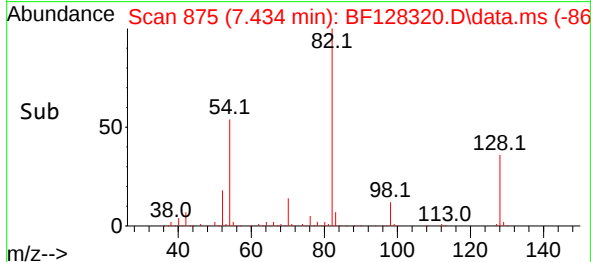
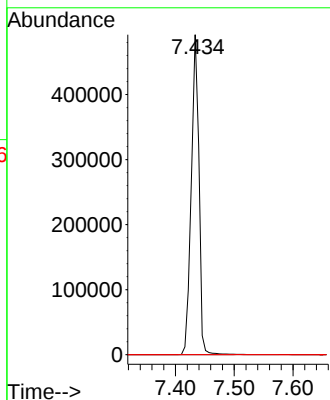
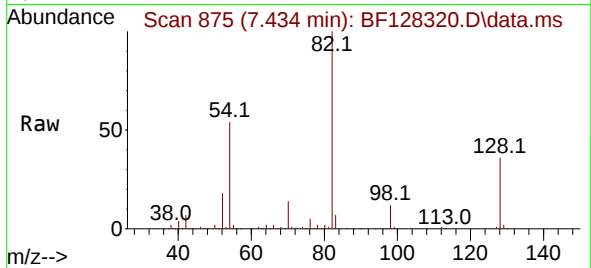




#25
Isophorone
Concen: 42.268 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

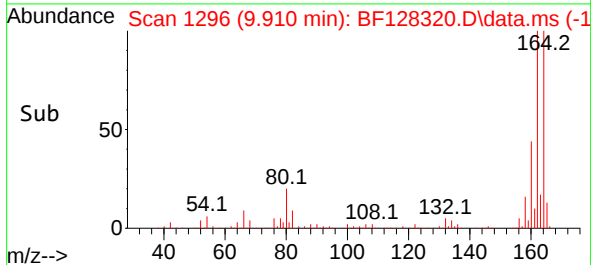
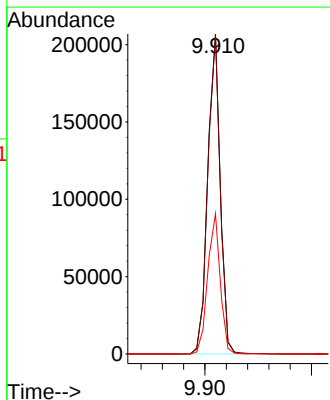
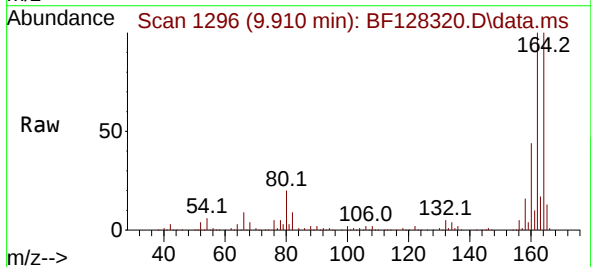
Instrument :
BNA_F
ClientSampleId :
CDF-1

Tgt Ion: 82 Resp: 448006
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

Tgt Ion: 164 Resp: 169192
Ion Ratio Lower Upper
164 100
162 99.8 76.0 114.0
160 43.8 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 83.653 ng

RT: 10.704 min Scan# 1436

Delta R.T. -0.006 min

Lab File: BF128320.D

Acq: 18 May 2022 19:26

Instrument :

BNA_F

ClientSampleId :

CDF-1

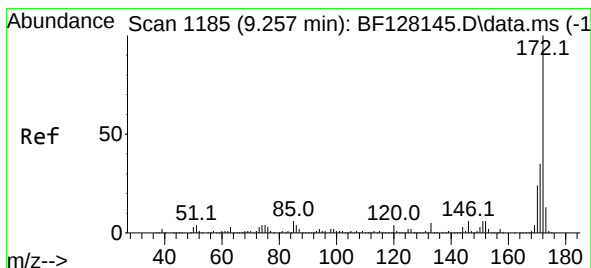
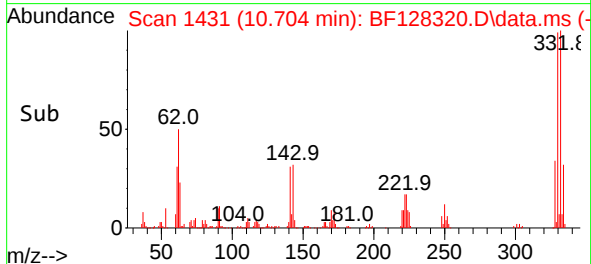
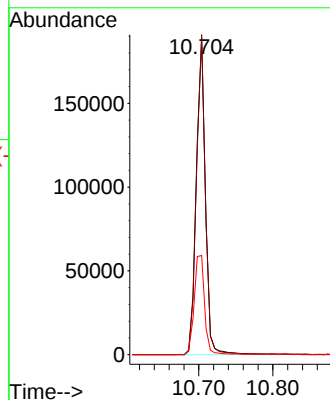
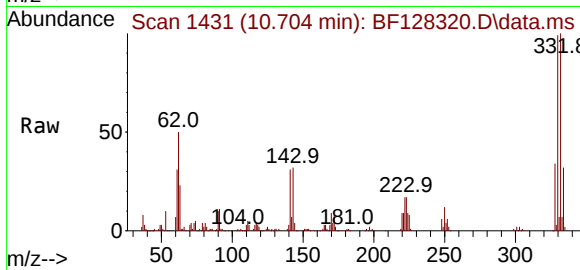
Tgt Ion:330 Resp: 162322

Ion Ratio Lower Upper

330 100

332 98.2 79.0 118.4

141 35.8 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 65.980 ng

RT: 9.228 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF128320.D

Acq: 18 May 2022 19:26

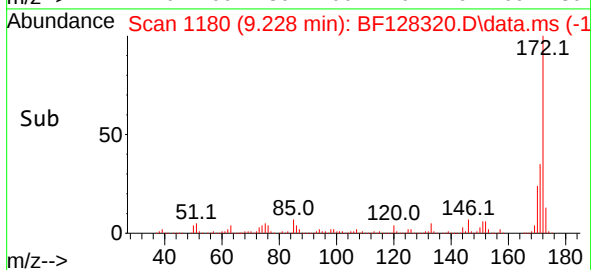
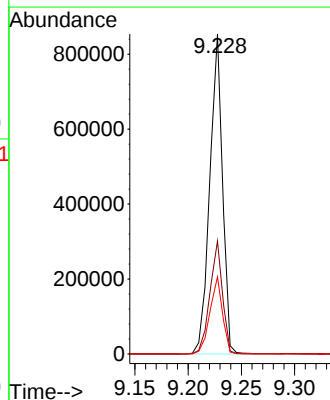
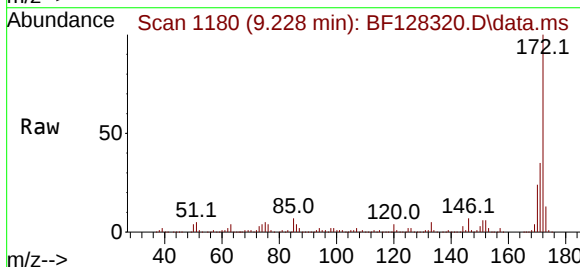
Tgt Ion:172 Resp: 713455

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 24.1 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.329 ng

RT: 9.910 min Scan# 1296

Delta R.T. 0.206 min

Lab File: BF128320.D

Acq: 18 May 2022 19:26

Instrument :

BNA_F

ClientSampleId :

CDF-1

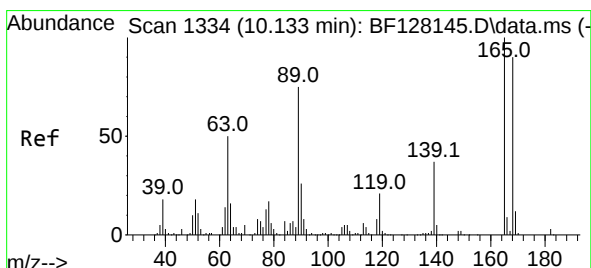
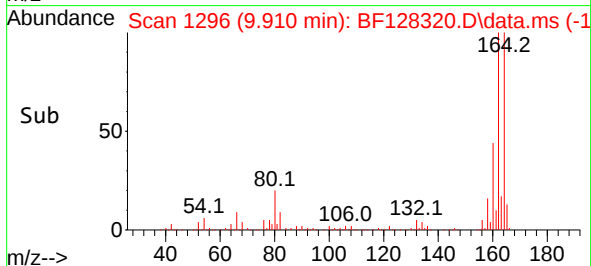
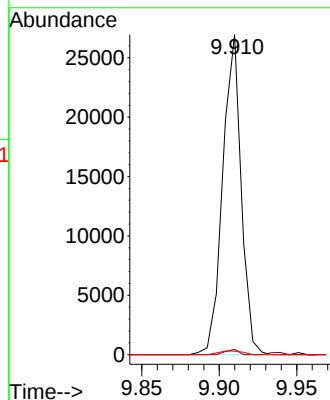
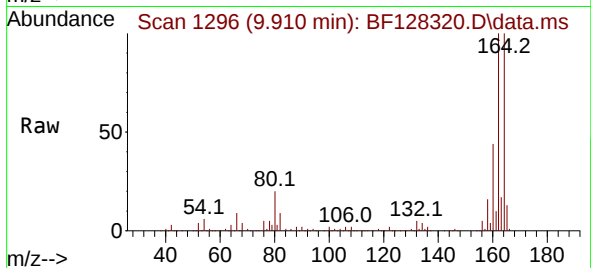
Tgt Ion:165 Resp: 22343

Ion Ratio Lower Upper

165 100

63 1.7 49.5 74.3#

89 1.1 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 6.977 ng

RT: 9.910 min Scan# 1296

Delta R.T. -0.206 min

Lab File: BF128320.D

Acq: 18 May 2022 19:26

Tgt Ion:165 Resp: 22343

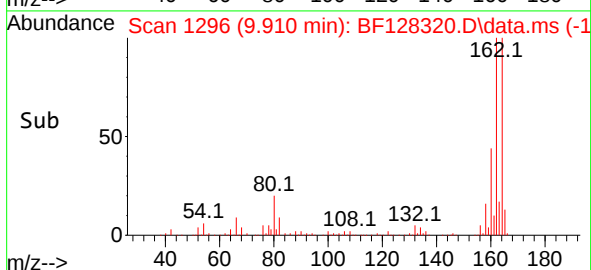
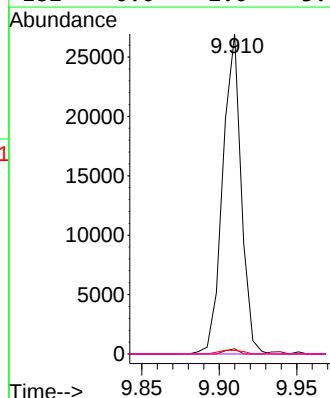
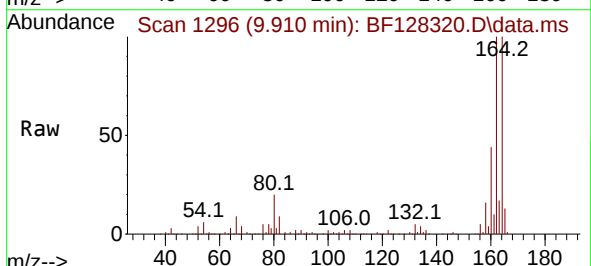
Ion Ratio Lower Upper

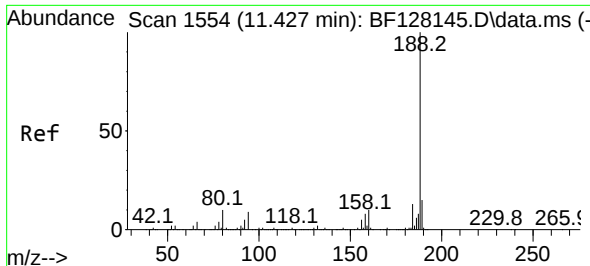
165 100

63 1.7 32.6 49.0#

89 1.1 55.2 82.8#

182 0.0 2.0 3.0#

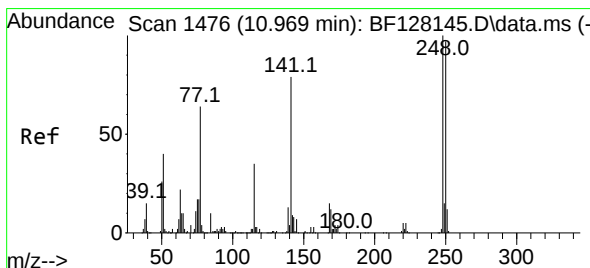
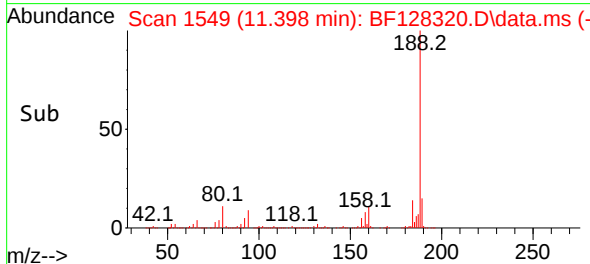
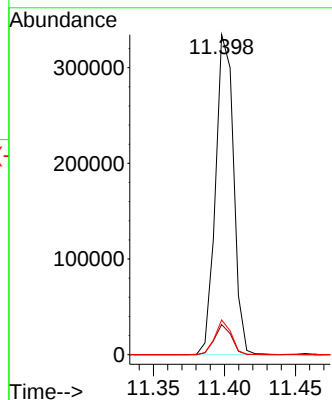
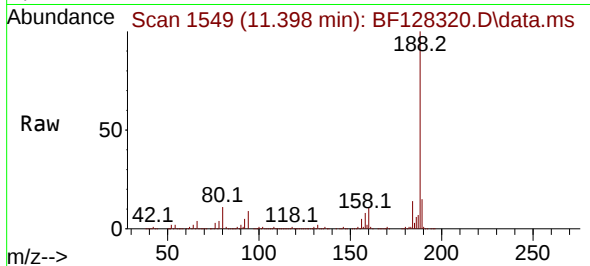




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

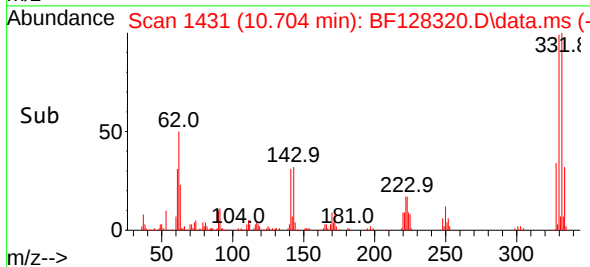
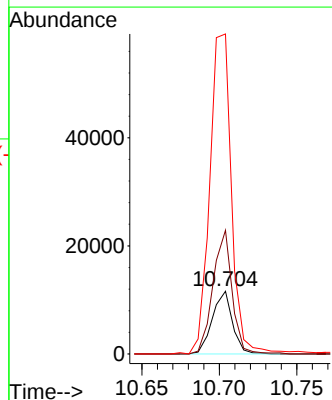
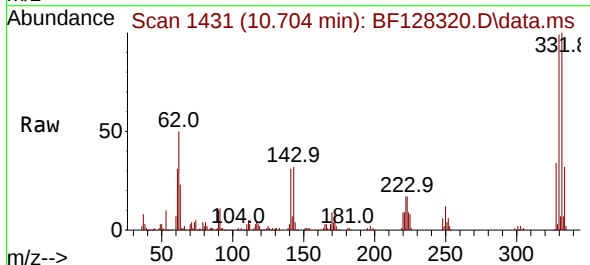
Instrument :
BNA_F
ClientSampleId :
CDF-1

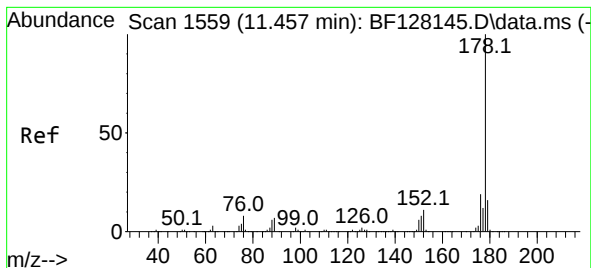
Tgt Ion:188 Resp: 295148
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 10.9 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 3.302 ng
RT: 10.704 min Scan# 1431
Delta R.T. -0.241 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

Tgt Ion:248 Resp: 10485
Ion Ratio Lower Upper
248 100
250 196.9 77.7 116.5#
141 509.5 65.6 98.4#





#71

Phenanthrene

Concen: 3.415 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF128320.D

Acq: 18 May 2022 19:26

Instrument :

BNA_F

ClientSampleId :

CDF-1

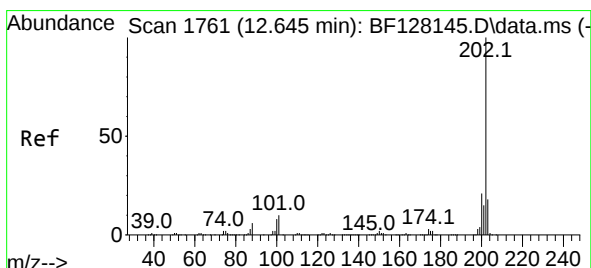
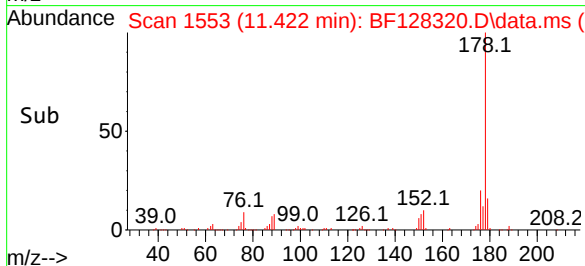
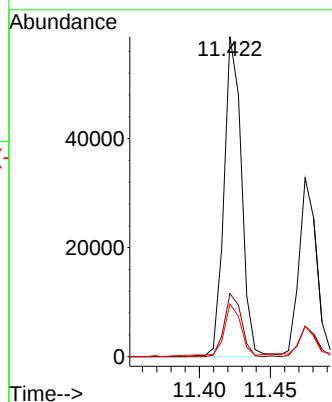
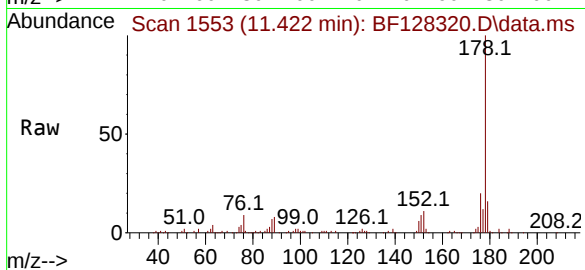
Tgt Ion:178 Resp: 50192

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

179 16.5 12.6 19.0



#75

Fluoranthene

Concen: 12.470 ng

RT: 12.616 min Scan# 1756

Delta R.T. -0.006 min

Lab File: BF128320.D

Acq: 18 May 2022 19:26

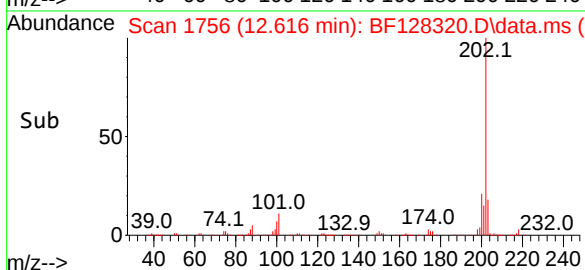
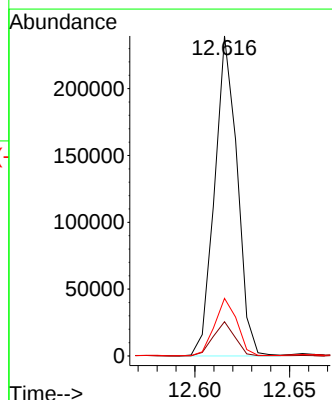
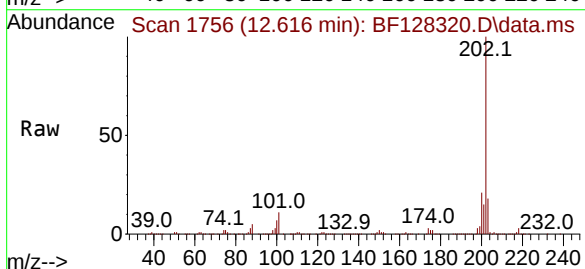
Tgt Ion:202 Resp: 198687

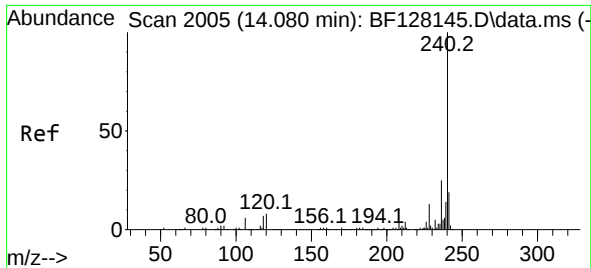
Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.6

203 18.0 0.0 38.1

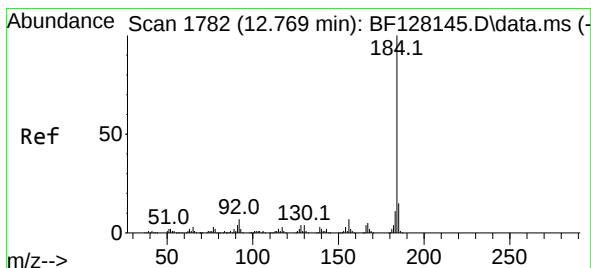
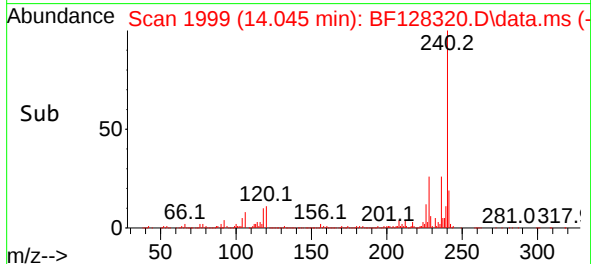
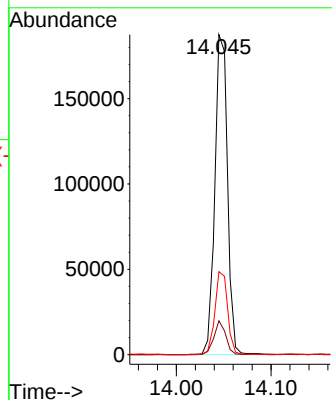
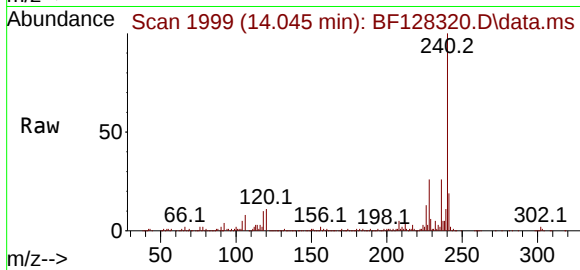




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1819
Delta R.T. -0.012 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

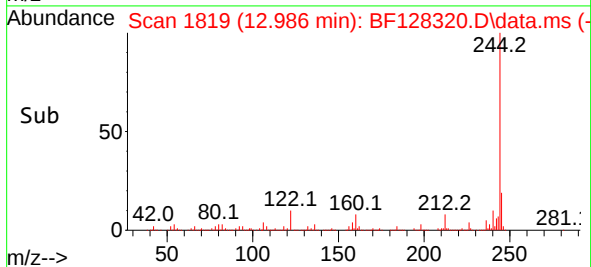
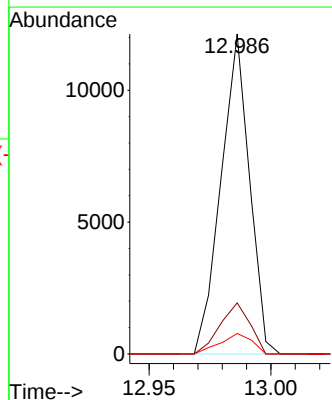
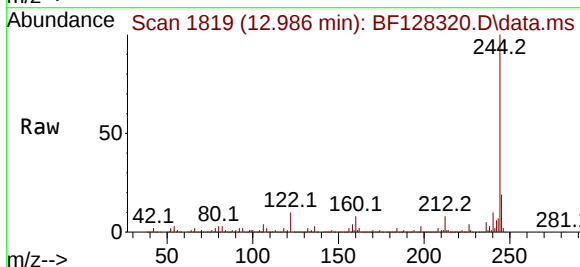
Instrument :
BNA_F
ClientSampleId :
CDF-1

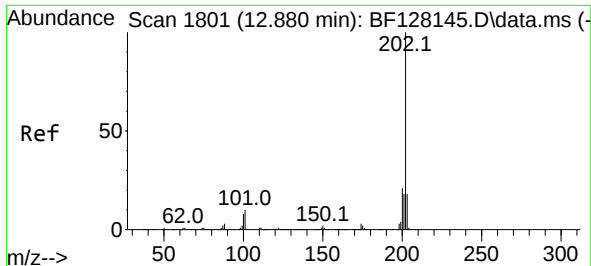
Tgt Ion:240 Resp: 173729
Ion Ratio Lower Upper
240 100
120 10.6 7.0 10.6#
236 26.0 20.3 30.5



#77
Benzidine
Concen: 2.624 ng
RT: 12.986 min Scan# 1819
Delta R.T. 0.241 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

Tgt Ion:184 Resp: 9872
Ion Ratio Lower Upper
184 100
185 16.0 12.1 18.1
183 6.4 9.0 13.4#

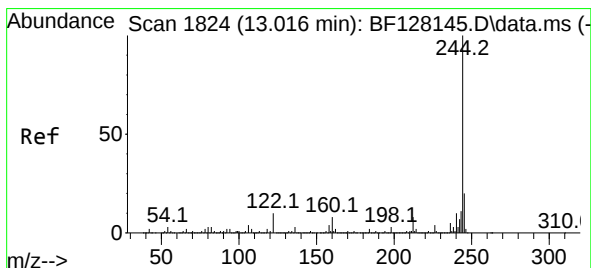
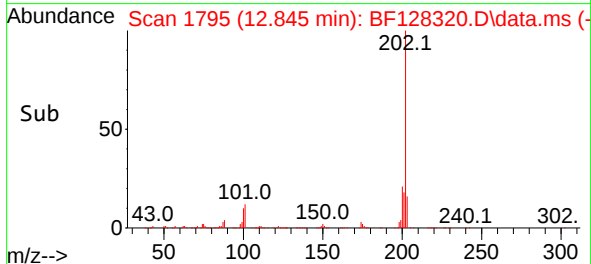
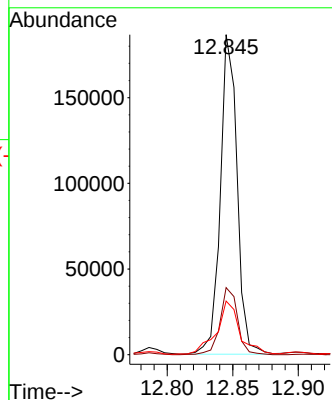
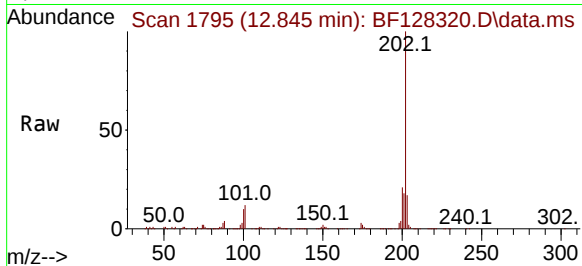




#78
Pyrene
Concen: 13.127 ng
RT: 12.845 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

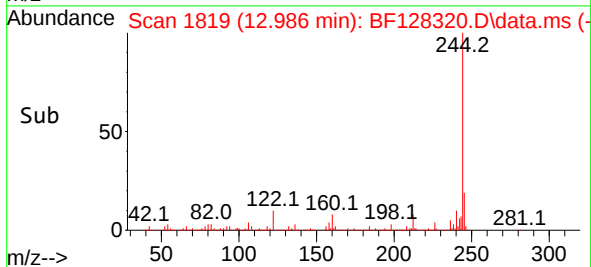
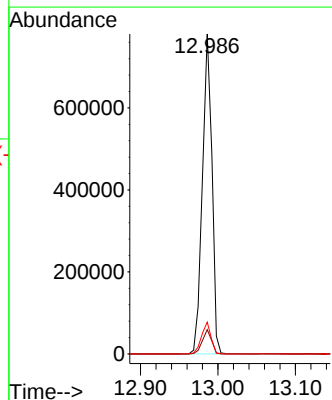
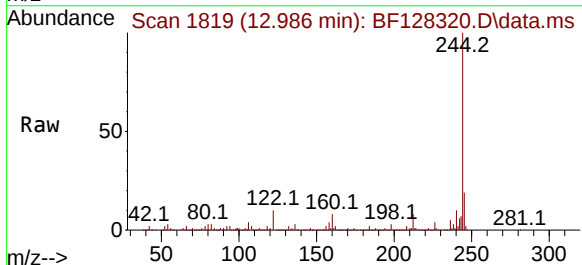
Instrument :
BNA_F
ClientSampleId :
CDF-1

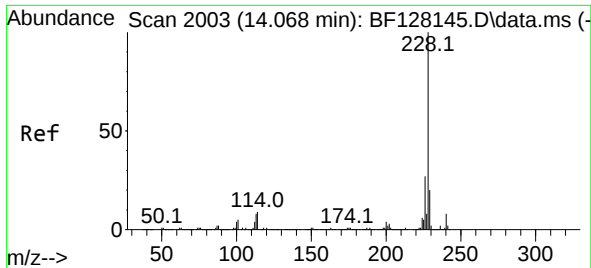
Tgt Ion:202 Resp: 165359
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 16.8 14.0 21.0



#79
Terphenyl-d14
Concen: 72.224 ng
RT: 12.986 min Scan# 1819
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

Tgt Ion:244 Resp: 668690
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.4
122 10.0 8.6 12.8

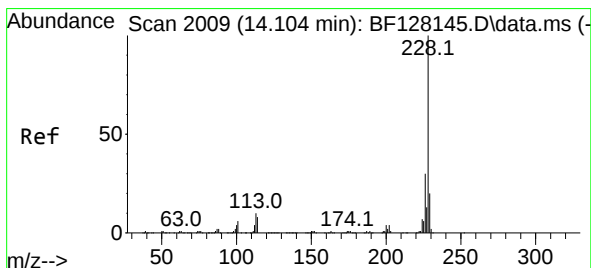
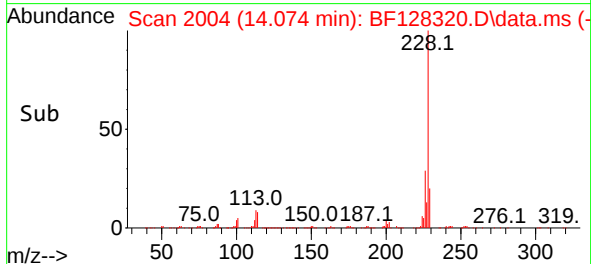
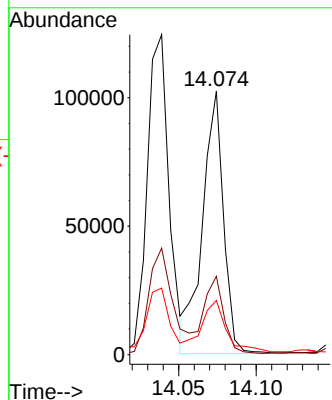
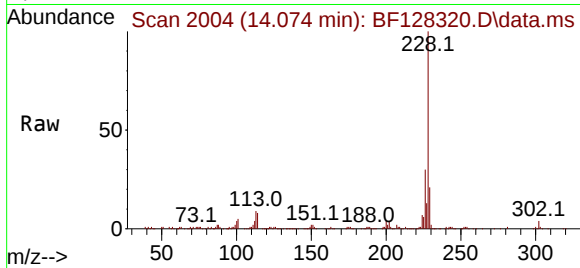




#81
Benzo(a)anthracene
Concen: 8.737 ng
RT: 14.074 min Scan# 2004
Delta R.T. 0.030 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

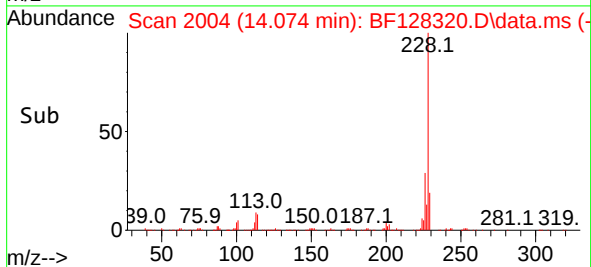
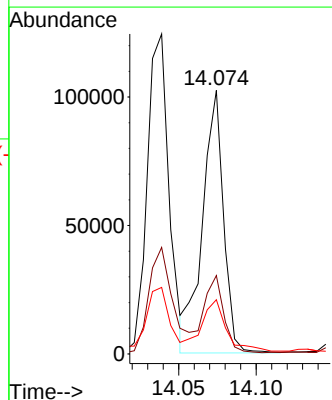
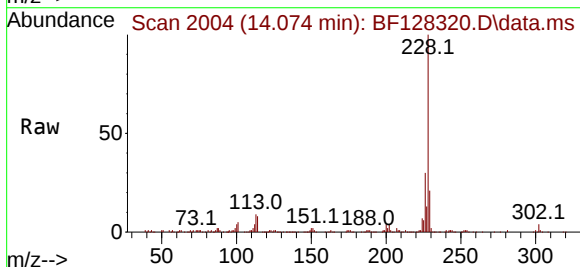
Instrument :
BNA_F
ClientSampleId :
CDF-1

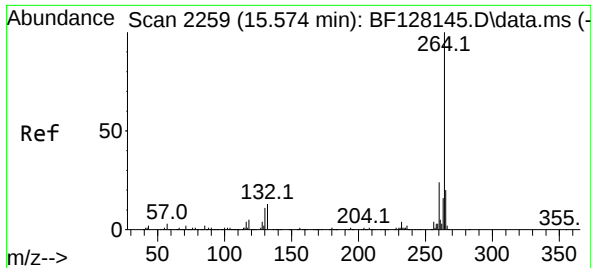
Tgt Ion:228 Resp: 96950
Ion Ratio Lower Upper
228 100
226 29.8 21.7 32.5
229 20.6 15.4 23.2



#83
Chrysene
Concen: 9.157 ng
RT: 14.074 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

Tgt Ion:228 Resp: 96950
Ion Ratio Lower Upper
228 100
226 29.8 24.4 36.6
229 20.6 15.8 23.8

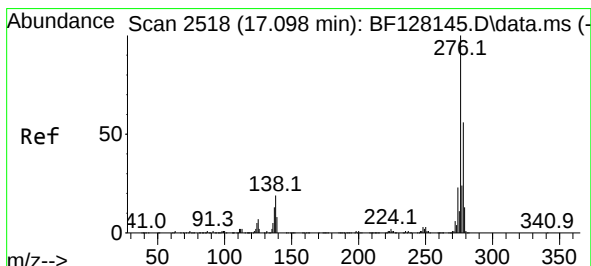
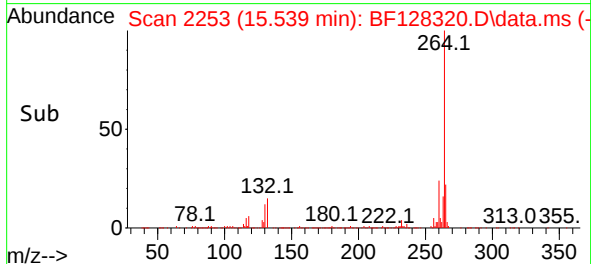
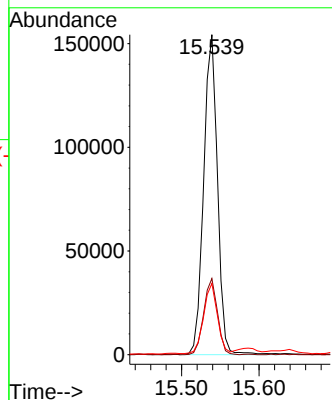
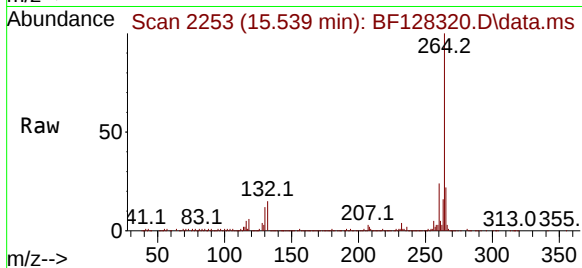




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

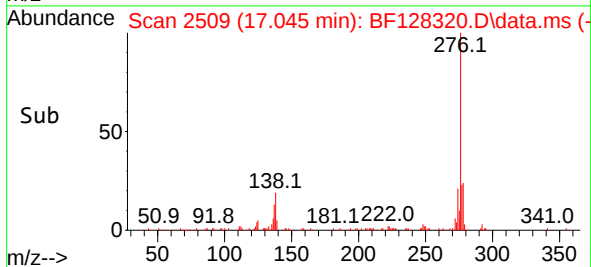
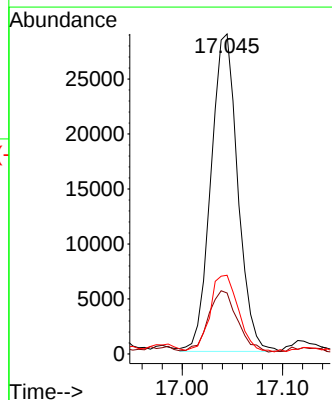
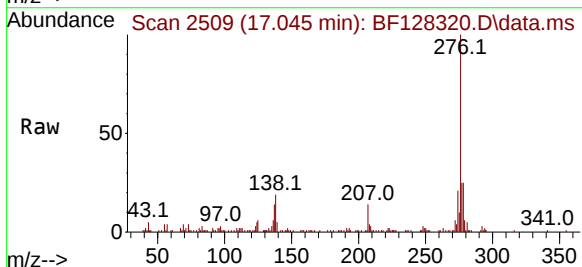
Instrument :
BNA_F
ClientSampleId :
CDF-1

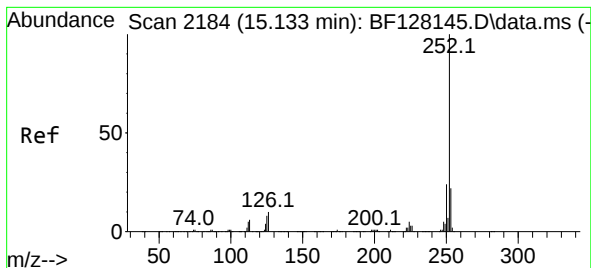
Tgt Ion:264 Resp: 191254
Ion Ratio Lower Upper
264 100
260 23.8 20.1 30.1
265 22.3 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.658 ng
RT: 17.045 min Scan# 2509
Delta R.T. -0.018 min
Lab File: BF128320.D
Acq: 18 May 2022 19:26

Tgt Ion:276 Resp: 53890
Ion Ratio Lower Upper
276 100
138 20.5 19.0 28.4
277 25.4 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 13.671 ng

RT: 15.098 min Scan# 2184

Delta R.T. -0.006 min

Lab File: BF128320.D

Acq: 18 May 2022 19:26

Instrument :

BNA_F

ClientSampleId :

CDF-1

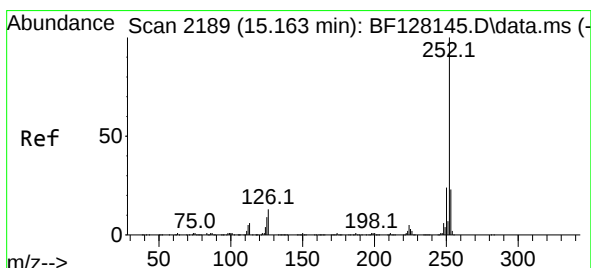
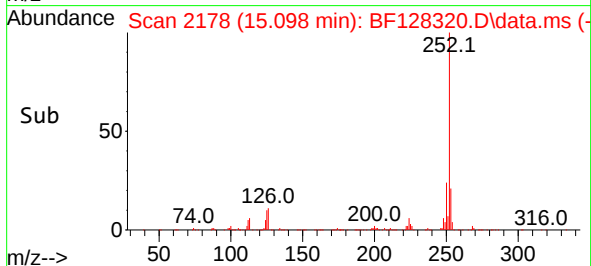
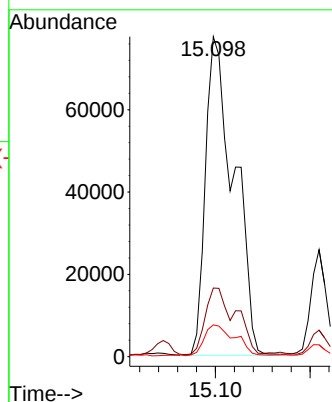
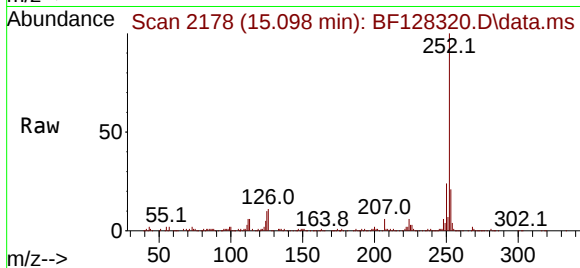
Tgt Ion:252 Resp: 162085

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

125 10.0 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 13.850 ng

RT: 15.098 min Scan# 2178

Delta R.T. -0.035 min

Lab File: BF128320.D

Acq: 18 May 2022 19:26

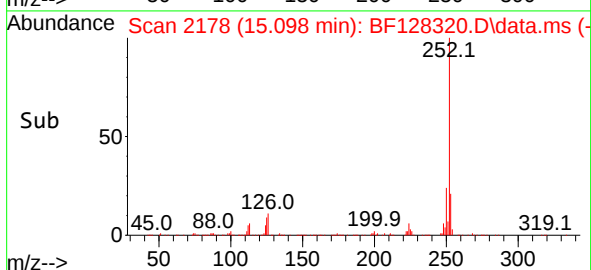
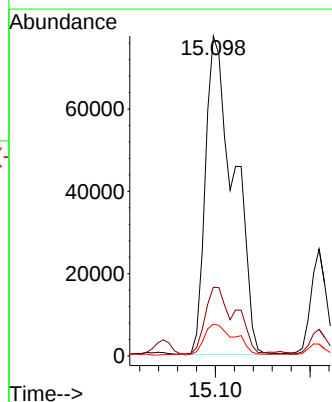
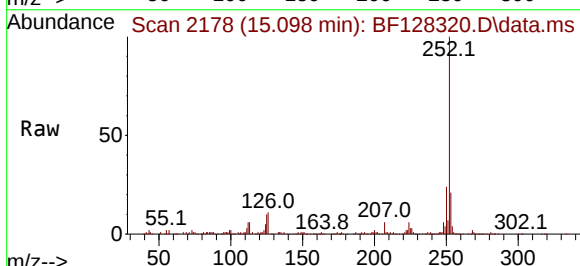
Tgt Ion:252 Resp: 162085

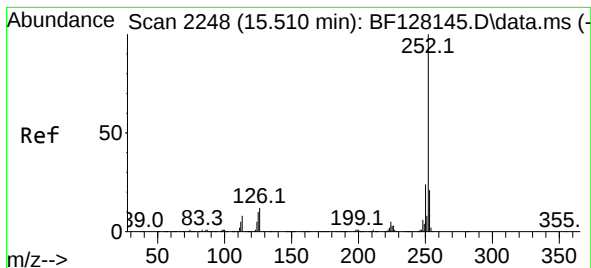
Ion Ratio Lower Upper

252 100

253 21.4 17.0 25.4

125 10.0 6.8 10.2





#90

Benzo(a)pyrene

Concen: 10.241 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128320.D

Acq: 18 May 2022 19:26

Instrument :

BNA_F

ClientSampleId :

CDF-1

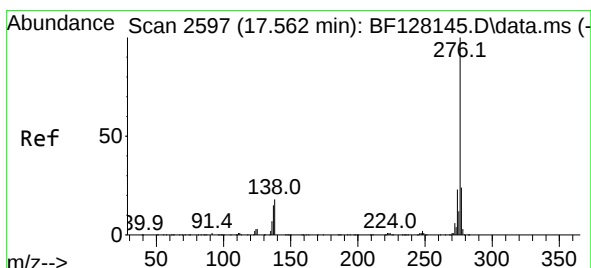
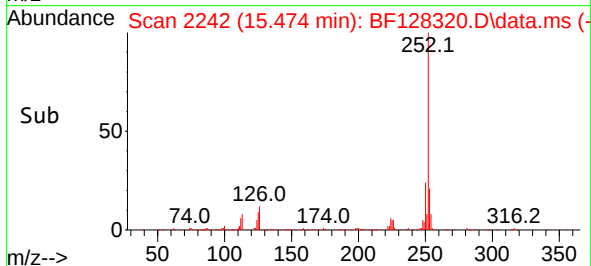
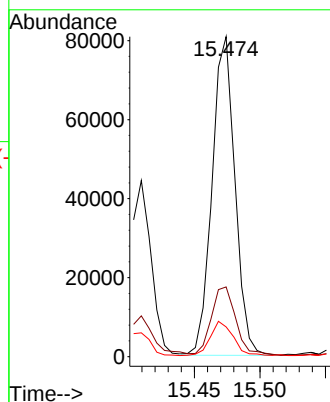
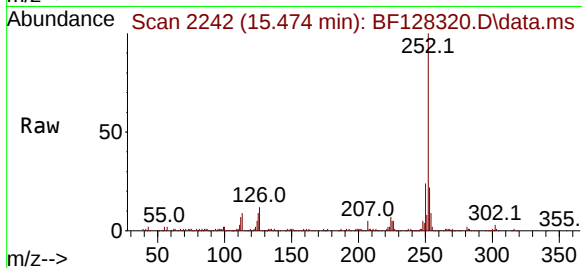
Tgt Ion:252 Resp: 98017

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 9.3 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 4.652 ng

RT: 17.503 min Scan# 2587

Delta R.T. -0.018 min

Lab File: BF128320.D

Acq: 18 May 2022 19:26

Tgt Ion:276 Resp: 44118

Ion Ratio Lower Upper

276 100

277 26.6 18.8 28.2

138 17.5 16.2 24.2

