

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050222\
 Data File : BF128032.D
 Acq On : 02 May 2022 18:10
 Operator : CG\JU
 Sample : N2605-03DL 20X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042822DL

Quant Time: May 02 18:34:32 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

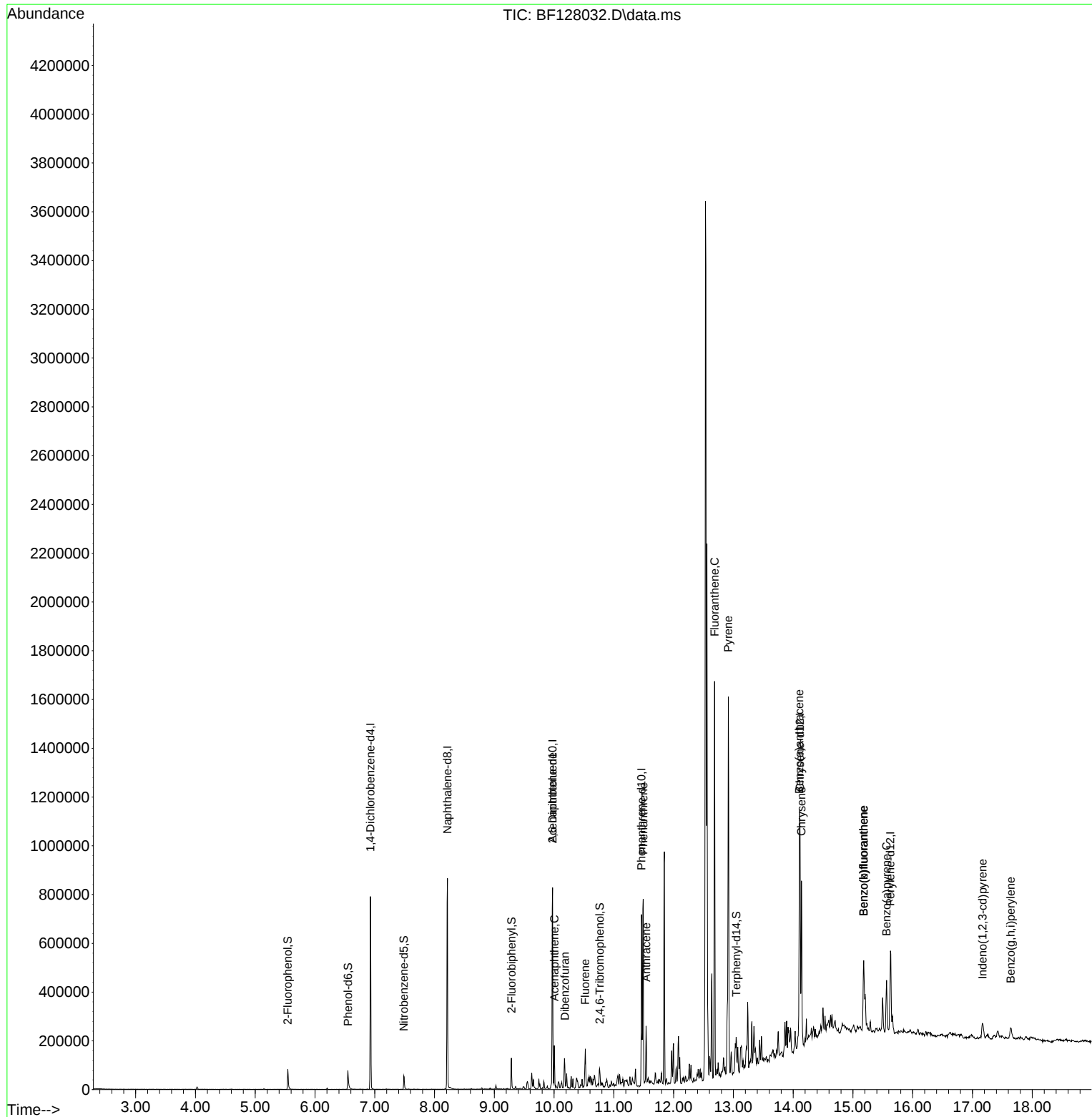
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	104466	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	357799	20.000	ng	0.00
39) Acenaphthene-d10	9.974	164	169322	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	264018	20.000	ng	0.00
76) Chrysene-d12	14.115	240	219969	20.000	ng	0.00
86) Perylene-d12	15.627	264	155041	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	24554	3.744	ng	0.00
7) Phenol-d6	6.551	99	31061	3.650	ng	-0.01
23) Nitrobenzene-d5	7.486	82	21001	2.760	ng	-0.02
42) 2,4,6-Tribromophenol	10.763	330	5052	2.964	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	37989	3.796	ng	0.00
79) Terphenyl-d14	13.051	244	45565	3.788	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.974	165	22298	9.069	ng	# 22
52) Acenaphthene	10.004	154	32649	3.325	ng	99
55) Dibenzofuran	10.180	168	36051	2.545	ng	95
58) Fluorene	10.521	166	36787	3.480	ng	94
71) Phenanthrene	11.492	178	283542	20.517	ng	99
72) Anthracene	11.539	178	85028	6.176	ng	99
75) Fluoranthene	12.686	202	604092	41.532	ng	98
78) Pyrene	12.915	202	632405	35.614	ng	99
81) Benzo(a)anthracene	14.104	228	304899	20.796	ng	98
83) Chrysene	14.139	228	248743	17.764	ng	97
87) Indeno(1,2,3-cd)pyrene	17.168	276	44777	4.327	ng	96
88) Benzo(b)fluoranthene	15.180	252	227043	23.315	ng	99
89) Benzo(k)fluoranthene	15.180	252	227043	23.142	ng	97
90) Benzo(a)pyrene	15.562	252	105318	13.038	ng	98
92) Benzo(g,h,i)perylene	17.639	276	46884	5.360	ng	98

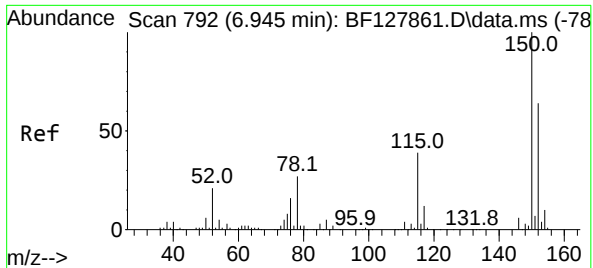
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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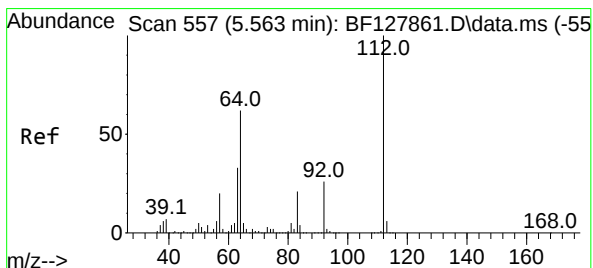
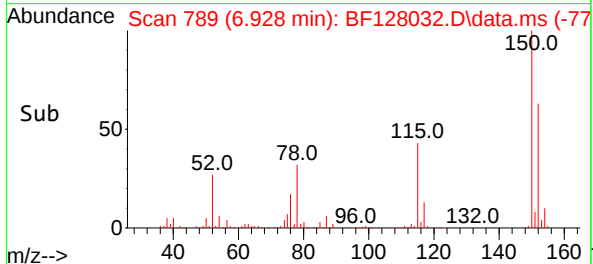
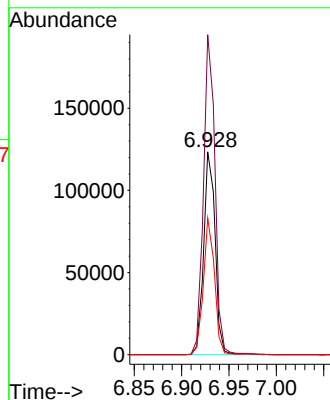
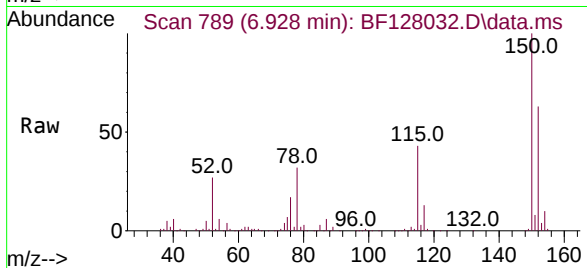




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF128032.D
 Acq: 02 May 2022 18:10

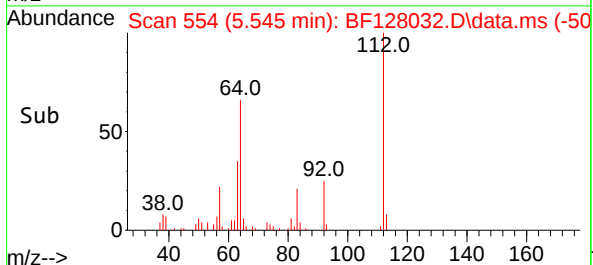
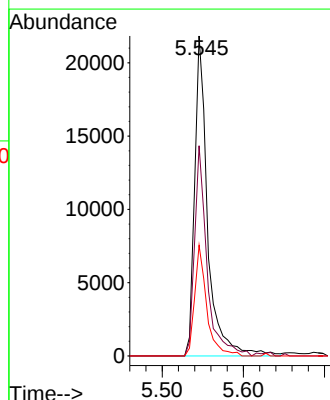
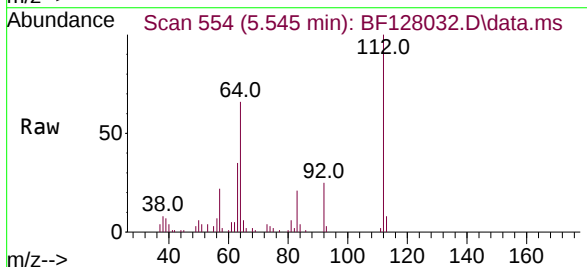
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042822DL

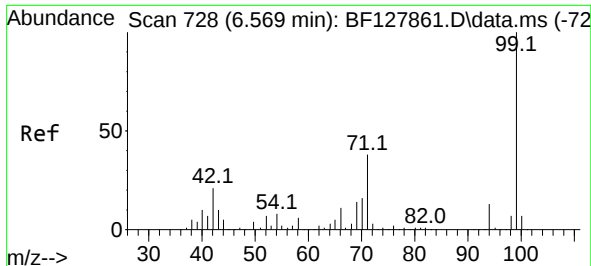
Tgt Ion:152 Resp: 104466
 Ion Ratio Lower Upper
 152 100
 150 157.7 125.3 187.9
 115 67.2 48.8 73.2



#5
 2-Fluorophenol
 Concen: 3.744 ng
 RT: 5.545 min Scan# 554
 Delta R.T. -0.006 min
 Lab File: BF128032.D
 Acq: 02 May 2022 18:10

Tgt Ion:112 Resp: 24554
 Ion Ratio Lower Upper
 112 100
 64 65.7 49.5 74.3
 63 34.6 26.3 39.5

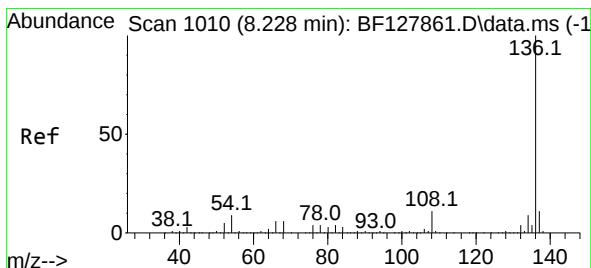
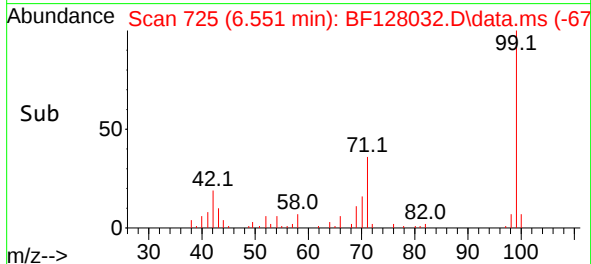
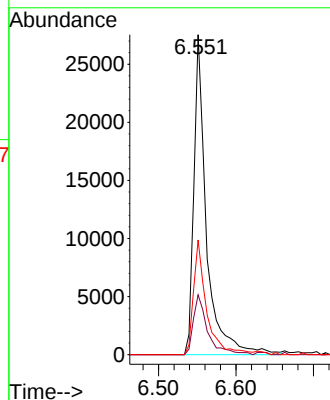
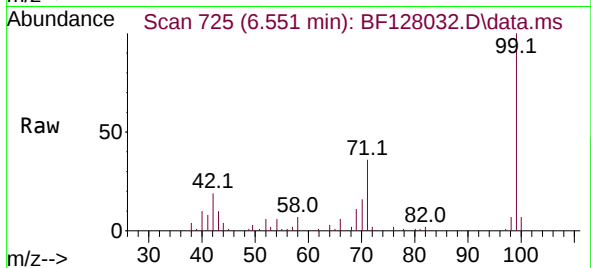




#7
Phenol-d6
Concen: 3.650 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128032.D
Acq: 02 May 2022 18:10

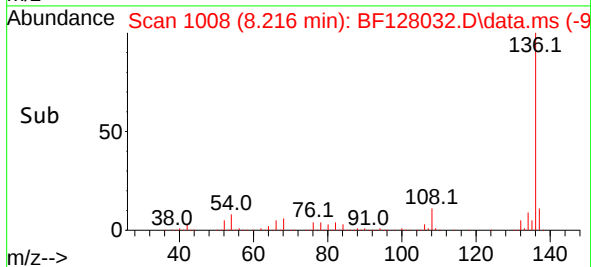
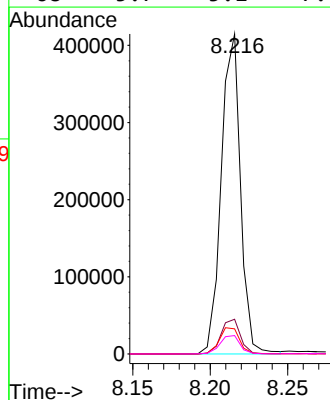
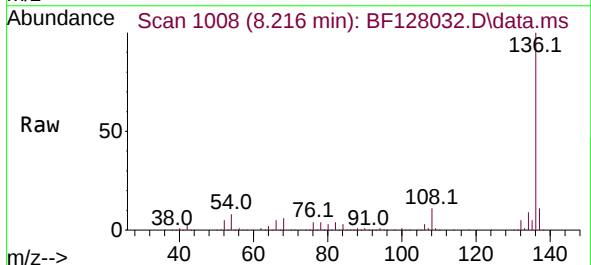
Instrument :
BNA_F
ClientSampleId :
TR-05-042822DL

Tgt Ion: 99 Resp: 31061
Ion Ratio Lower Upper
99 100
42 18.7 16.6 24.8
71 35.9 30.0 45.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF128032.D
Acq: 02 May 2022 18:10

Tgt Ion: 136 Resp: 357799
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.8 6.8 10.2
68 5.7 5.1 7.7





#23

Nitrobenzene-d5

Concen: 2.760 ng

RT: 7.486 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF128032.D

Acq: 02 May 2022 18:10

Instrument :

BNA_F

ClientSampleId :

TR-05-042822DL

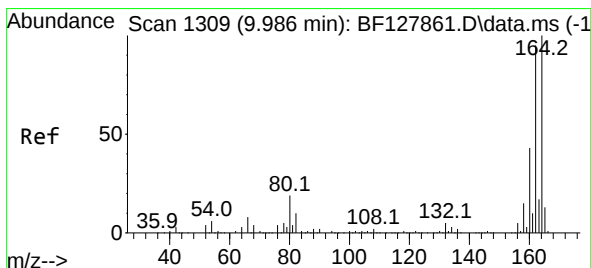
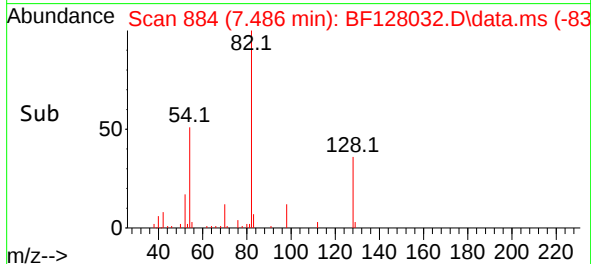
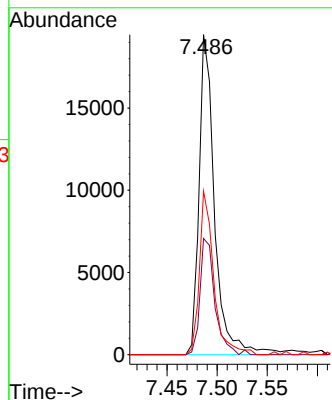
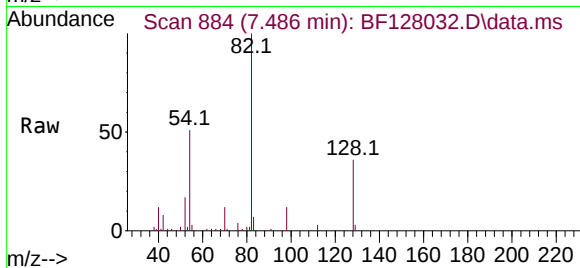
Tgt Ion: 82 Resp: 21001

Ion Ratio Lower Upper

82 100

128 36.3 30.0 45.0

54 51.1 41.3 61.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.974 min Scan# 1307

Delta R.T. -0.000 min

Lab File: BF128032.D

Acq: 02 May 2022 18:10

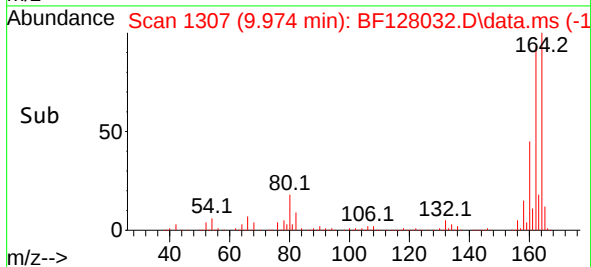
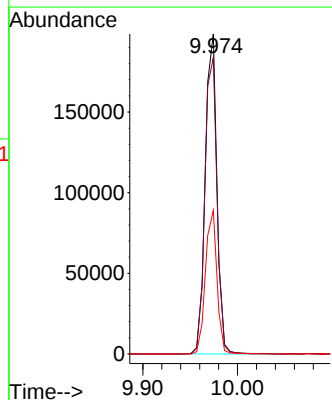
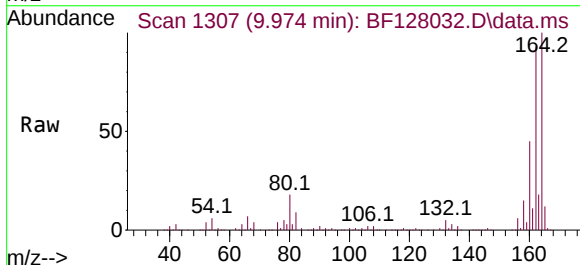
Tgt Ion: 164 Resp: 169322

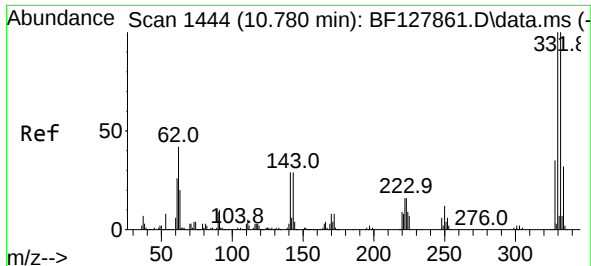
Ion Ratio Lower Upper

164 100

162 92.6 76.0 114.0

160 44.9 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 2.964 ng

RT: 10.763 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF128032.D

Acq: 02 May 2022 18:10

Instrument :

BNA_F

ClientSampleId :

TR-05-042822DL

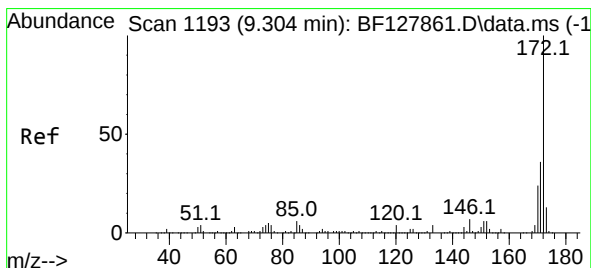
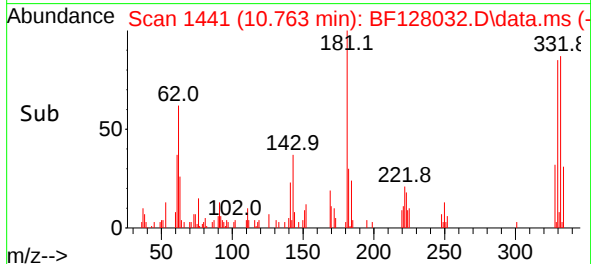
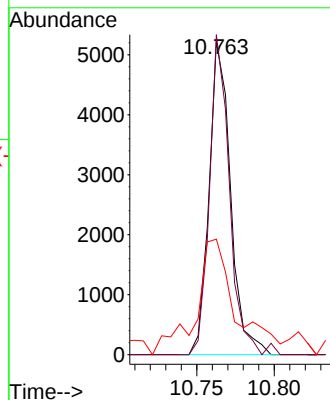
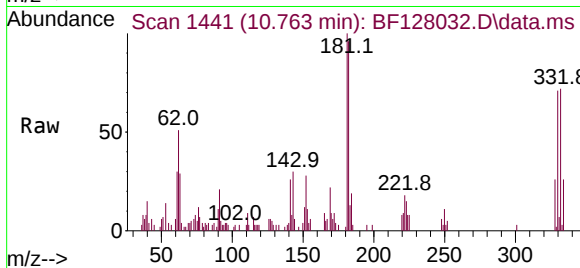
Tgt Ion:330 Resp: 5052

Ion Ratio Lower Upper

330 100

332 94.9 79.0 118.4

141 68.1 28.9 43.3#



#45

2-Fluorobiphenyl

Concen: 3.796 ng

RT: 9.286 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BF128032.D

Acq: 02 May 2022 18:10

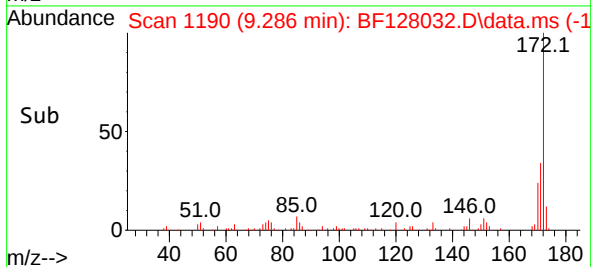
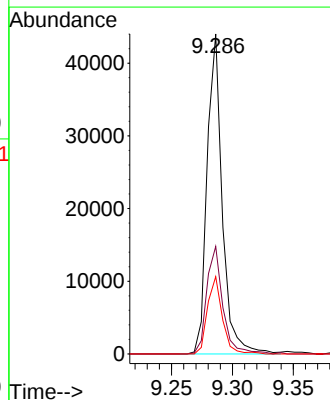
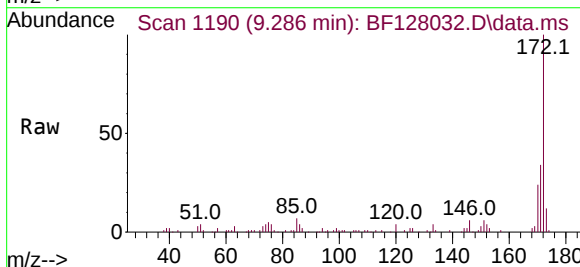
Tgt Ion:172 Resp: 37989

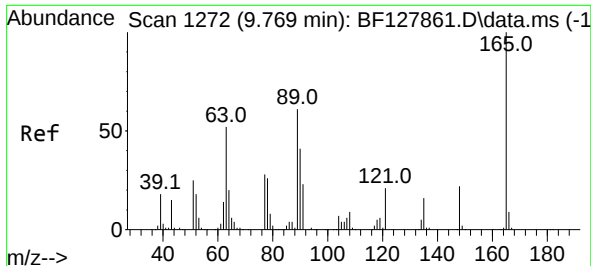
Ion Ratio Lower Upper

172 100

171 33.6 28.6 42.8

170 24.2 19.1 28.7

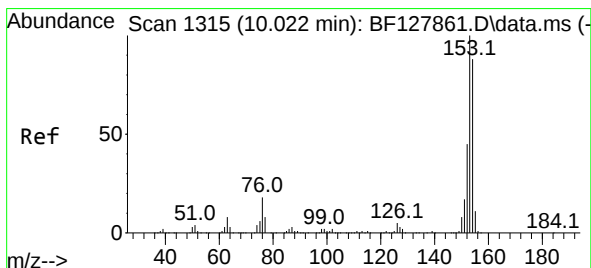
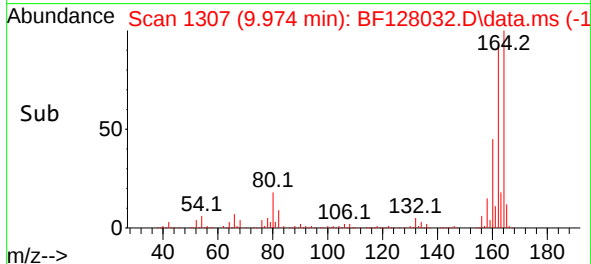
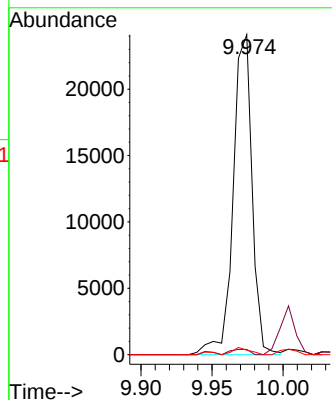
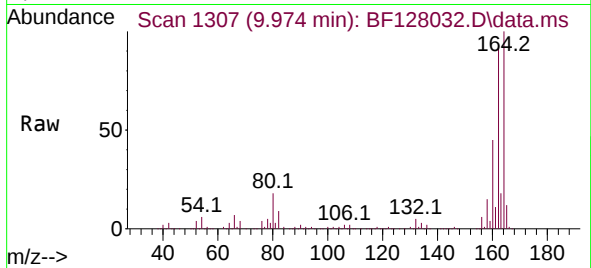




#51
2,6-Dinitrotoluene
Concen: 9.069 ng
RT: 9.974 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF128032.D
Acq: 02 May 2022 18:10

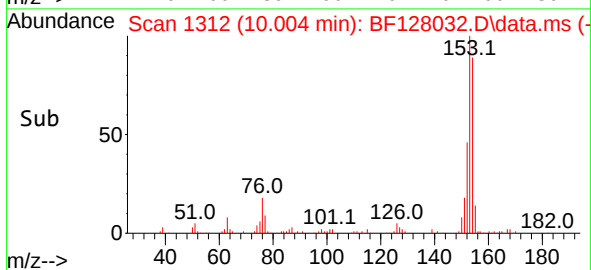
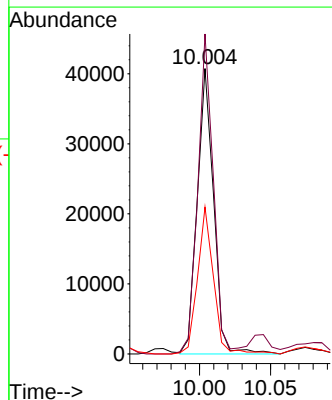
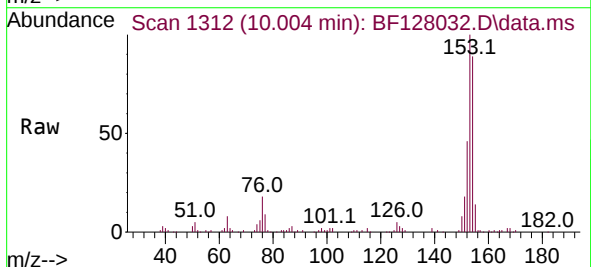
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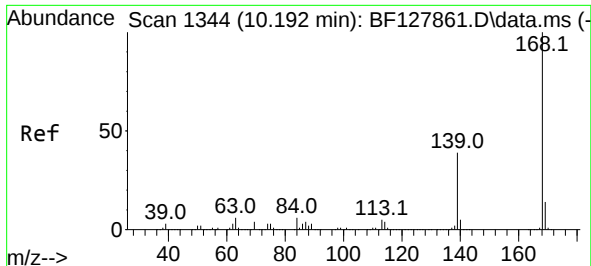
Tgt Ion:165 Resp: 22298
Ion Ratio Lower Upper
165 100
63 1.7 49.5 74.3#
89 1.4 49.0 73.4#



#52
Acenaphthene
Concen: 3.325 ng
RT: 10.004 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF128032.D
Acq: 02 May 2022 18:10

Tgt Ion:154 Resp: 32649
Ion Ratio Lower Upper
154 100
153 112.1 90.5 135.7
152 51.5 41.0 61.6

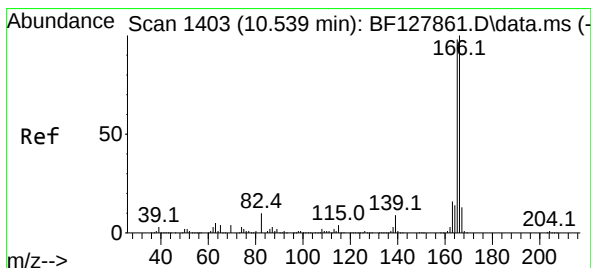
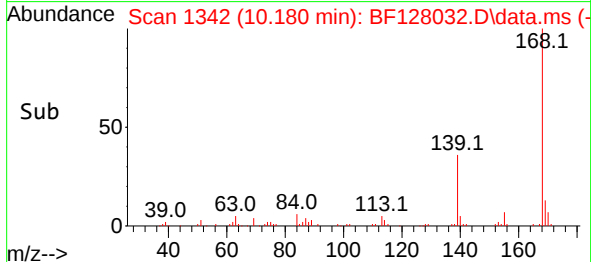
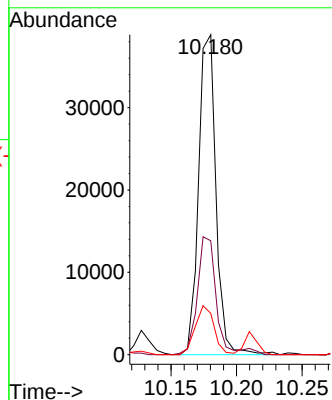
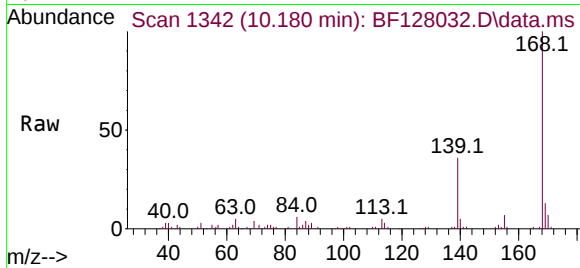




#55
Dibenzofuran
Concen: 2.545 ng
RT: 10.180 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128032.D
Acq: 02 May 2022 18:10

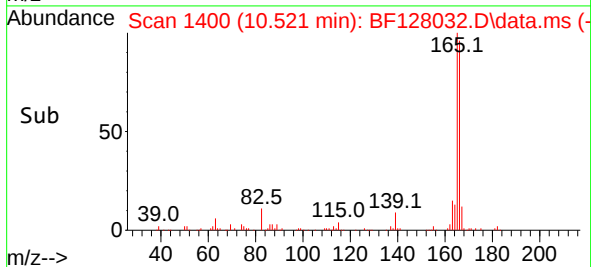
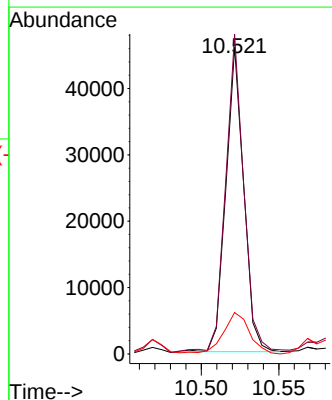
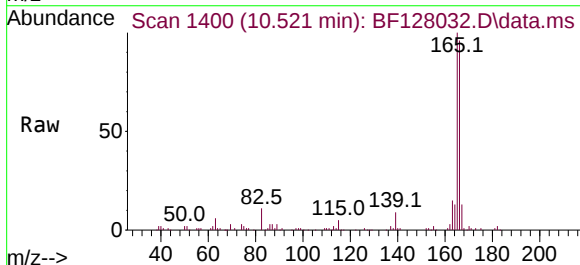
Instrument :
BNA_F
ClientSampleId :
TR-05-042822DL

Tgt Ion:168 Resp: 36051
Ion Ratio Lower Upper
168 100
139 35.6 31.7 47.5
169 12.9 10.9 16.3



#58
Fluorene
Concen: 3.480 ng
RT: 10.521 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF128032.D
Acq: 02 May 2022 18:10

Tgt Ion:166 Resp: 36787
Ion Ratio Lower Upper
166 100
165 104.2 78.6 117.8
167 13.5 10.5 15.7

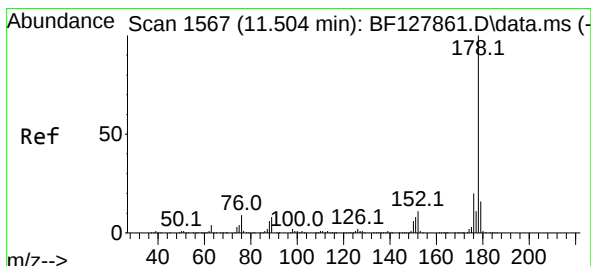
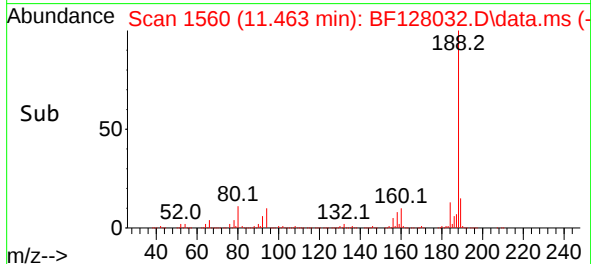
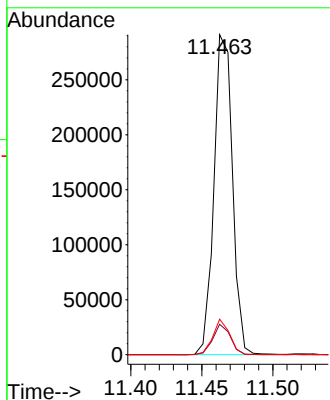
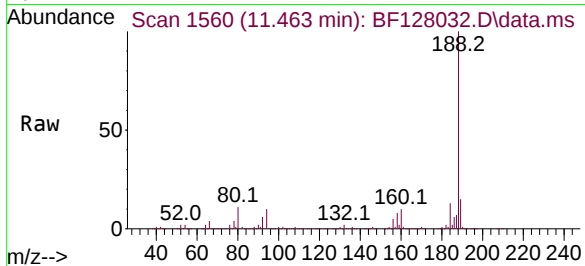




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128032.D
Acq: 02 May 2022 18:10

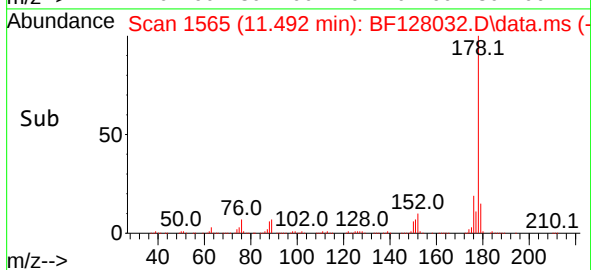
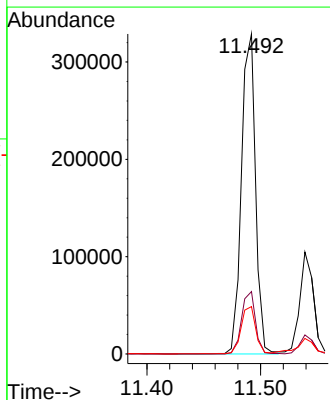
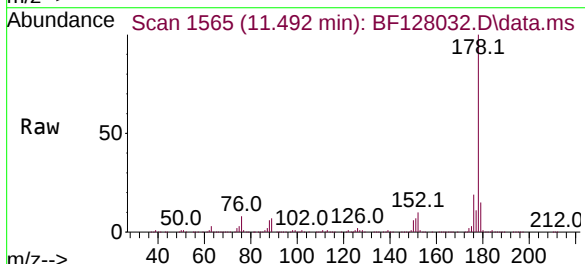
Instrument :
BNA_F
ClientSampleId :
TR-05-042822DL

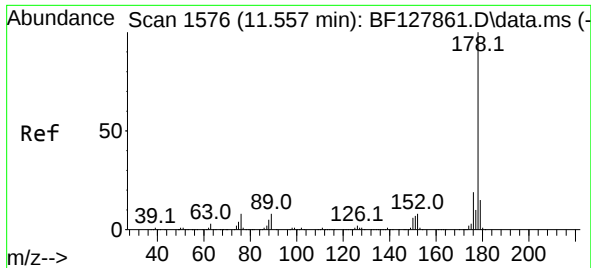
Tgt Ion:188 Resp: 264018
Ion Ratio Lower Upper
188 100
94 9.5 8.0 12.0
80 11.1 8.9 13.3



#71
Phenanthrene
Concen: 20.517 ng
RT: 11.492 min Scan# 1565
Delta R.T. -0.000 min
Lab File: BF128032.D
Acq: 02 May 2022 18:10

Tgt Ion:178 Resp: 283542
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 14.8 12.6 19.0

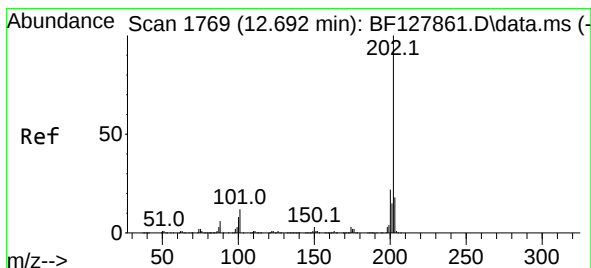
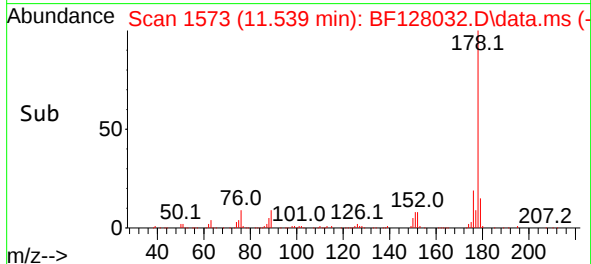
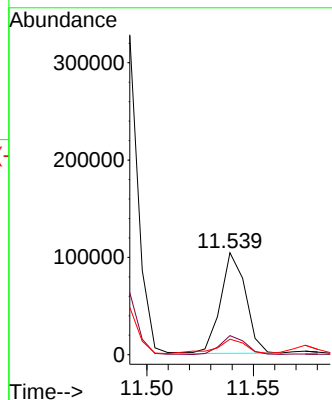
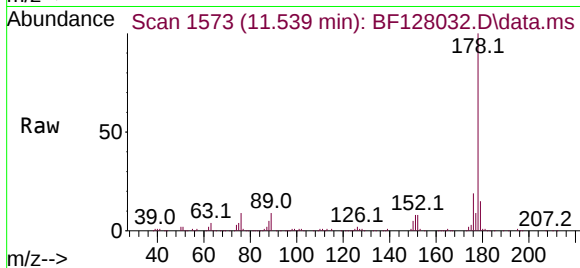




#72
 Anthracene
 Concen: 6.176 ng
 RT: 11.539 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128032.D
 Acq: 02 May 2022 18:10

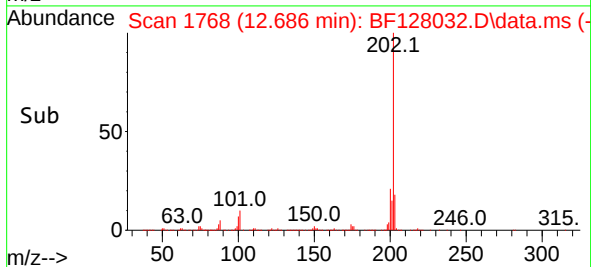
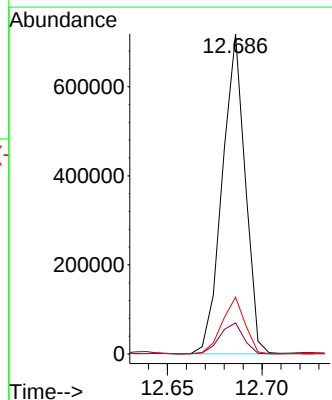
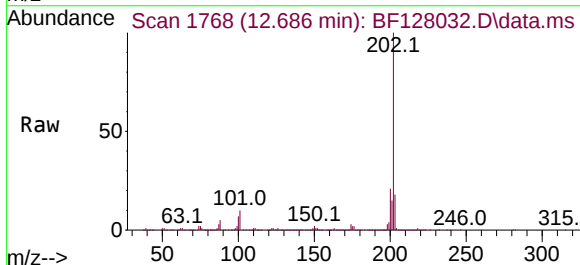
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042822DL

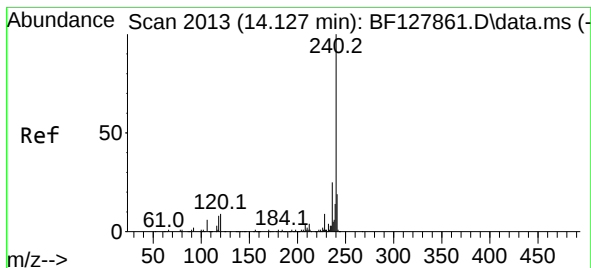
Tgt Ion:178 Resp: 85028
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.6
 179 15.2 12.4 18.6



#75
 Fluoranthene
 Concen: 41.532 ng
 RT: 12.686 min Scan# 1768
 Delta R.T. -0.000 min
 Lab File: BF128032.D
 Acq: 02 May 2022 18:10

Tgt Ion:202 Resp: 604092
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 31.6
 203 17.8 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.115 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF128032.D

Acq: 02 May 2022 18:10

Instrument :

BNA_F

ClientSampleId :

TR-05-042822DL

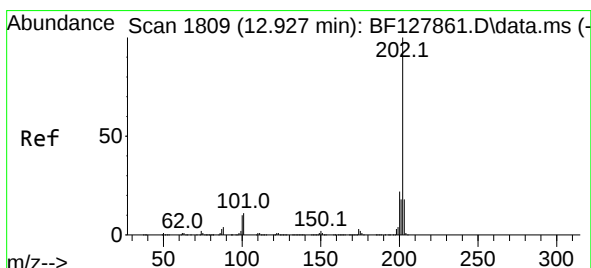
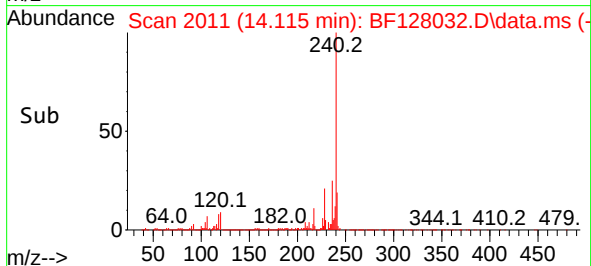
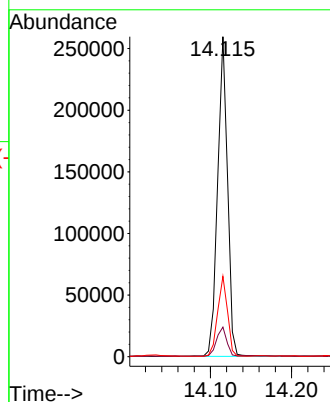
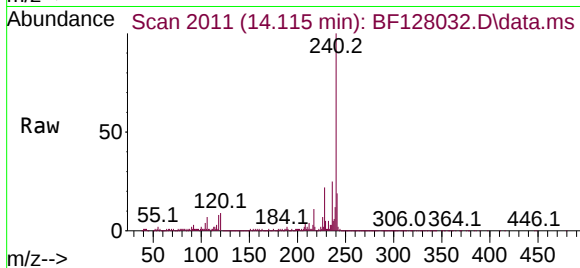
Tgt Ion:240 Resp: 219969

Ion Ratio Lower Upper

240 100

120 9.3 7.0 10.6

236 25.1 20.3 30.5



#78

Pyrene

Concen: 35.614 ng

RT: 12.915 min Scan# 1807

Delta R.T. -0.000 min

Lab File: BF128032.D

Acq: 02 May 2022 18:10

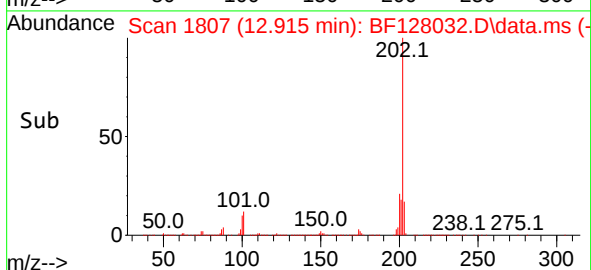
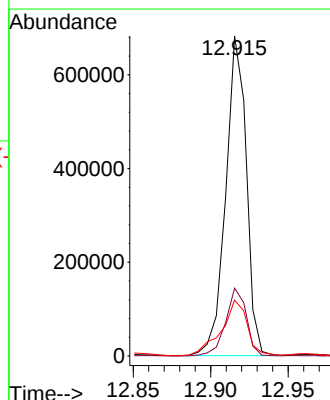
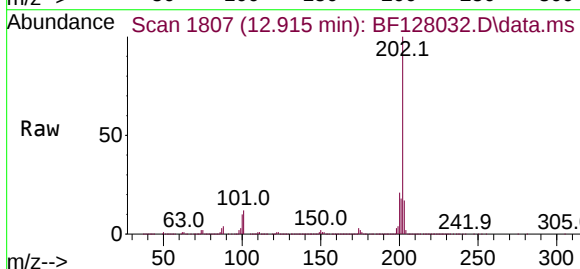
Tgt Ion:202 Resp: 632405

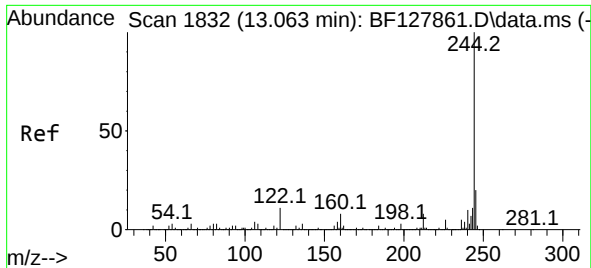
Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

203 17.5 14.0 21.0

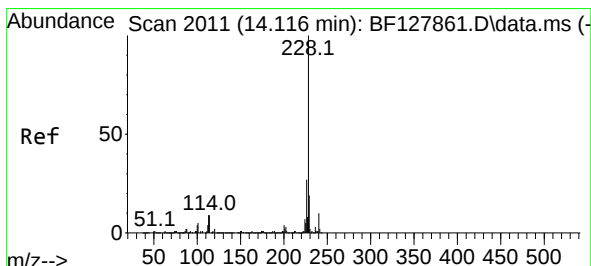
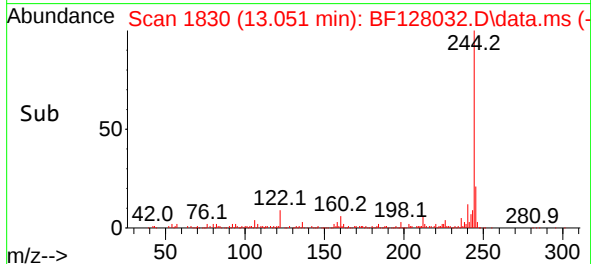
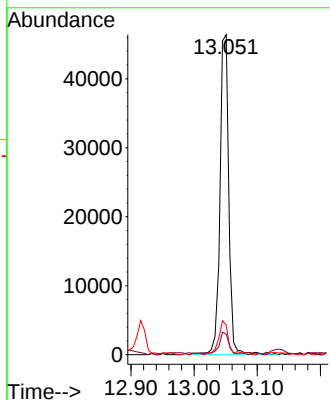
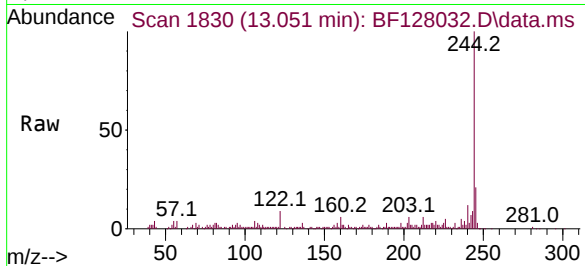




#79
 Terphenyl-d14
 Concen: 3.788 ng
 RT: 13.051 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128032.D
 Acq: 02 May 2022 18:10

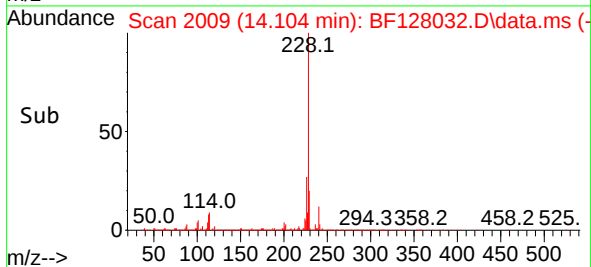
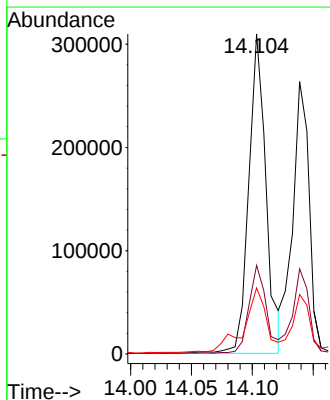
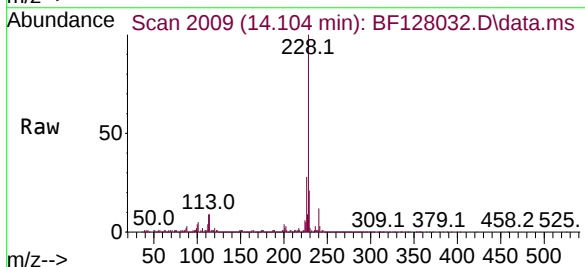
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-042822DL

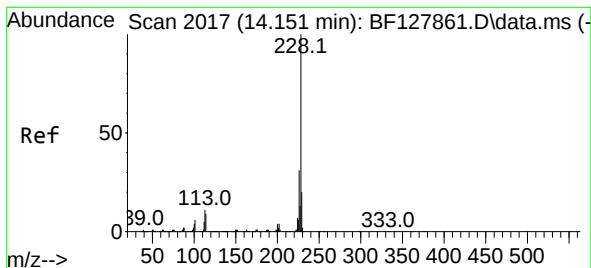
Tgt Ion:244 Resp: 45565
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.2 9.4
 122 9.2 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 20.796 ng
 RT: 14.104 min Scan# 2009
 Delta R.T. -0.000 min
 Lab File: BF128032.D
 Acq: 02 May 2022 18:10

Tgt Ion:228 Resp: 304899
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.7 32.5
 229 20.7 15.4 23.2





#83

Chrysene

Concen: 17.764 ng

RT: 14.139 min Scan# 2017

Delta R.T. -0.000 min

Lab File: BF128032.D

Acq: 02 May 2022 18:10

Instrument :

BNA_F

ClientSampleId :

TR-05-042822DL

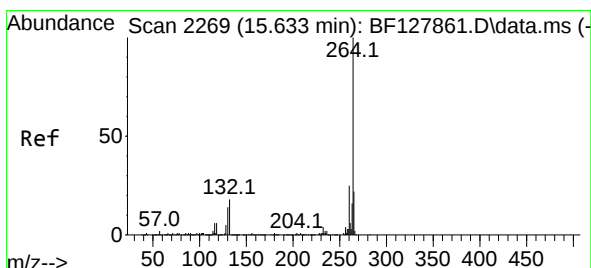
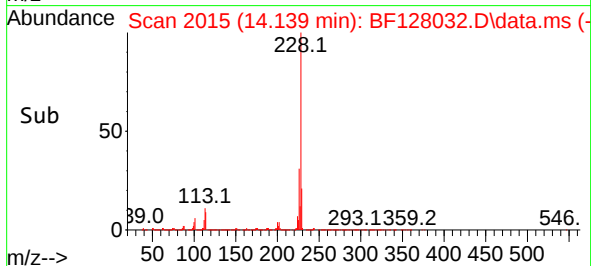
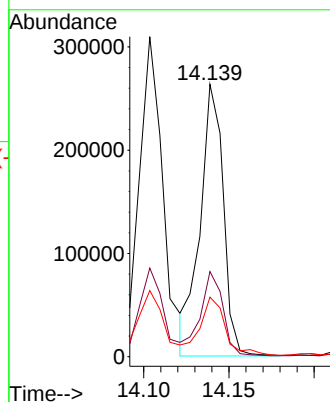
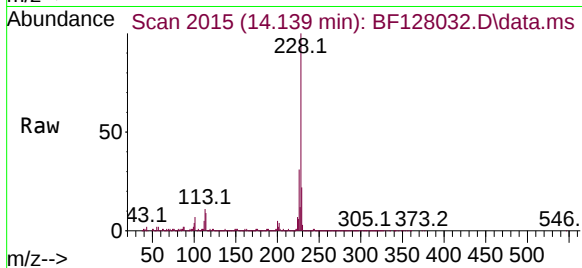
Tgt Ion:228 Resp: 248743

Ion Ratio Lower Upper

228 100

226 31.3 24.4 36.6

229 21.9 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.627 min Scan# 2268

Delta R.T. 0.006 min

Lab File: BF128032.D

Acq: 02 May 2022 18:10

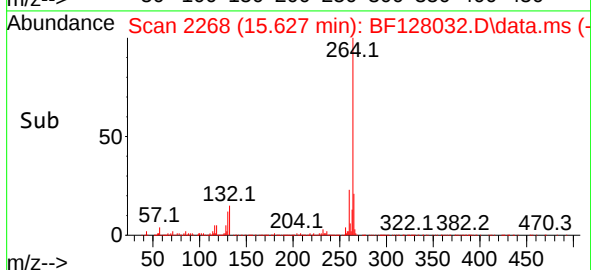
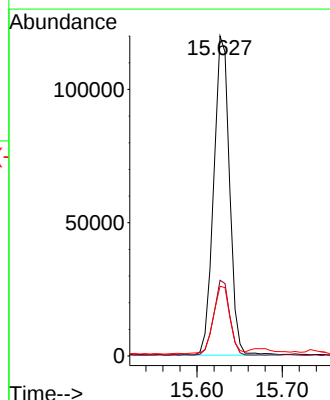
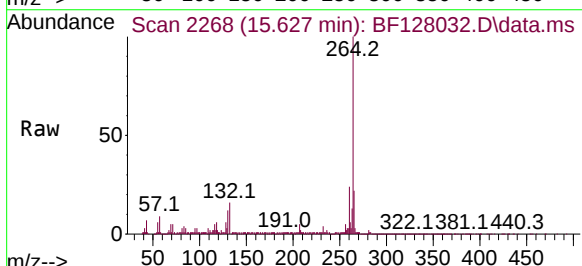
Tgt Ion:264 Resp: 155041

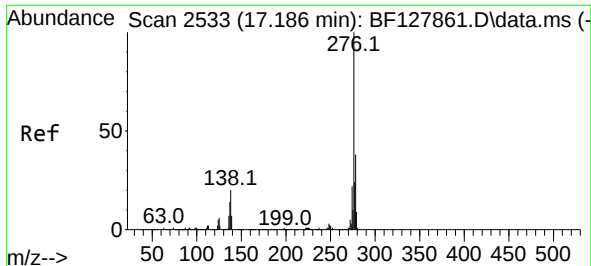
Ion Ratio Lower Upper

264 100

260 23.6 20.1 30.1

265 21.8 17.5 26.3

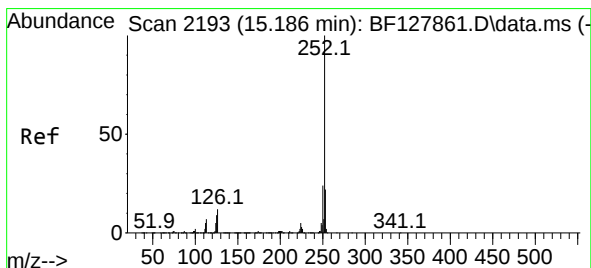
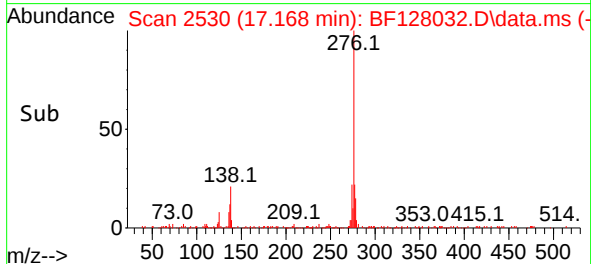
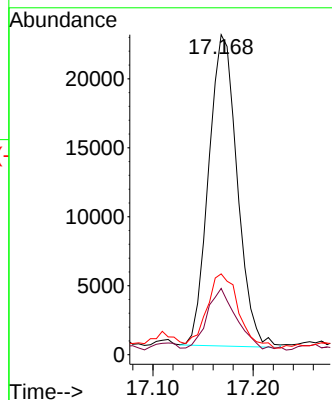
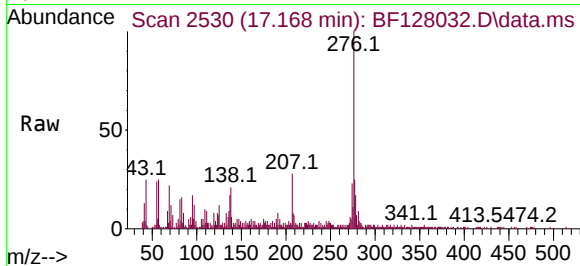




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.327 ng
RT: 17.168 min Scan# 2118
Delta R.T. -0.000 min
Lab File: BF128032.D
Acq: 02 May 2022 18:10

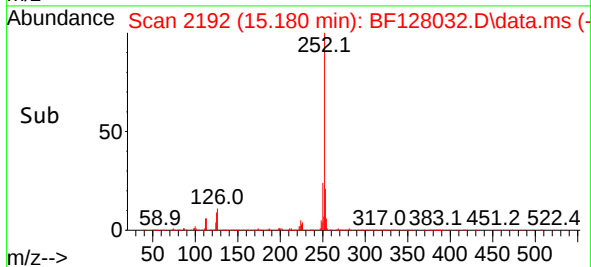
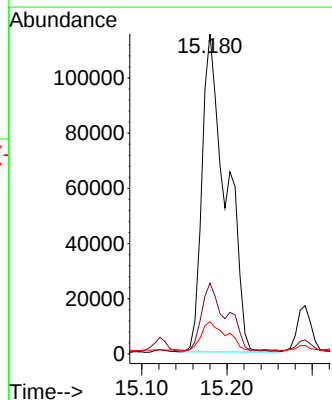
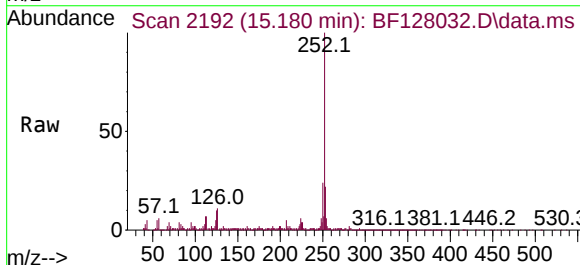
Instrument :
BNA_F
ClientSampleId :
TR-05-042822DL

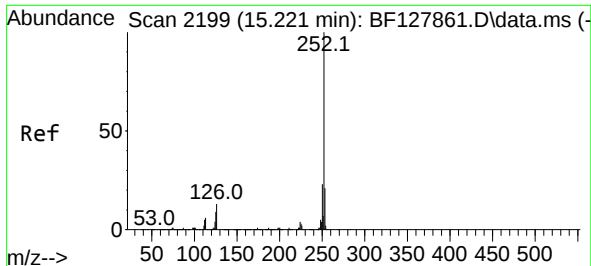
Tgt Ion:276 Resp: 44777
Ion Ratio Lower Upper
276 100
138 20.9 19.0 28.4
277 26.4 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 23.315 ng
RT: 15.180 min Scan# 2192
Delta R.T. 0.006 min
Lab File: BF128032.D
Acq: 02 May 2022 18:10

Tgt Ion:252 Resp: 227043
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 10.1 7.4 11.2

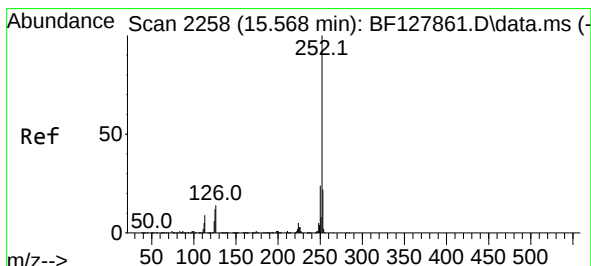
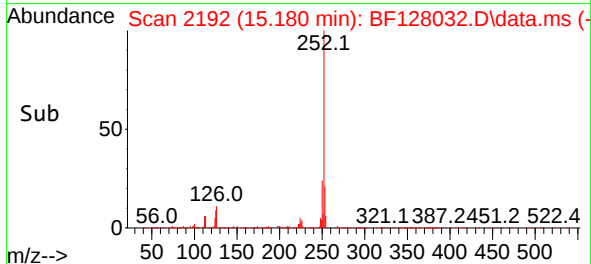
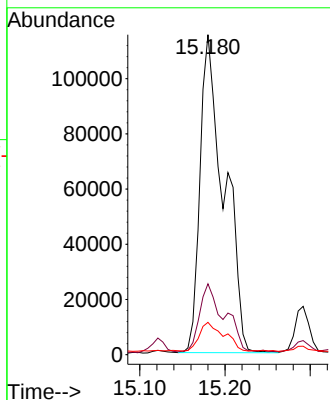
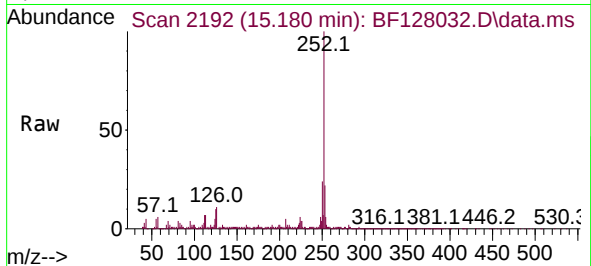




#89
Benzo(k)fluoranthene
Concen: 23.142 ng
RT: 15.180 min Scan# 2199
Delta R.T. -0.030 min
Lab File: BF128032.D
Acq: 02 May 2022 18:10

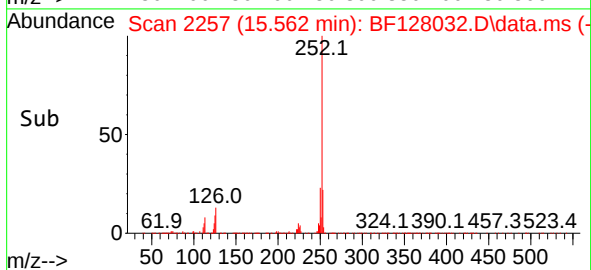
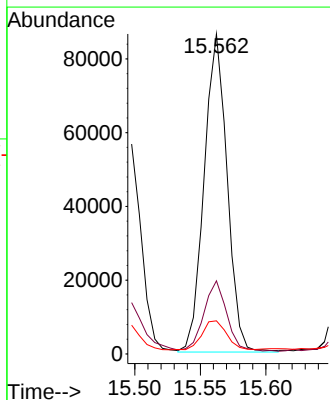
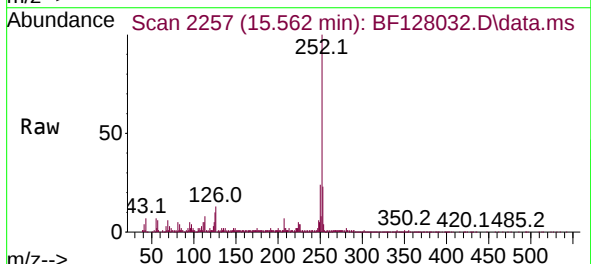
Instrument :
BNA_F
ClientSampleId :
TR-05-042822DL

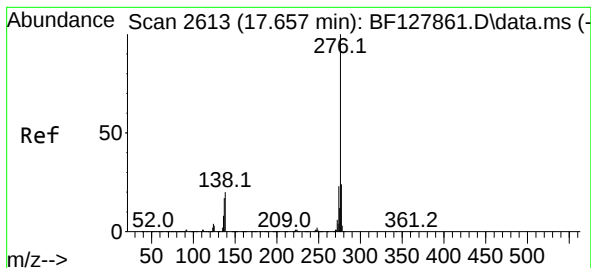
Tgt Ion:252 Resp: 227043
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.4
125 10.1 6.8 10.2



#90
Benzo(a)pyrene
Concen: 13.038 ng
RT: 15.562 min Scan# 2257
Delta R.T. 0.006 min
Lab File: BF128032.D
Acq: 02 May 2022 18:10

Tgt Ion:252 Resp: 105318
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 10.4 9.2 13.8





#92

Benzo(g,h,i)perylene

Concen: 5.360 ng

RT: 17.639 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF128032.D

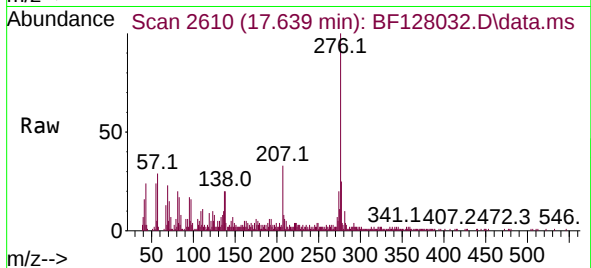
Acq: 02 May 2022 18:10

Instrument :

BNA_F

ClientSampleId :

TR-05-042822DL



Tgt Ion:276 Resp: 46884

Ion Ratio Lower Upper

276 100

277 24.5 18.8 28.2

138 19.8 16.2 24.2

