

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050222\
 Data File : BF128033.D
 Acq On : 02 May 2022 18:39
 Operator : CG\JU
 Sample : N2610-01DL 4X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-042822DL

Quant Time: May 03 07:28:38 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)

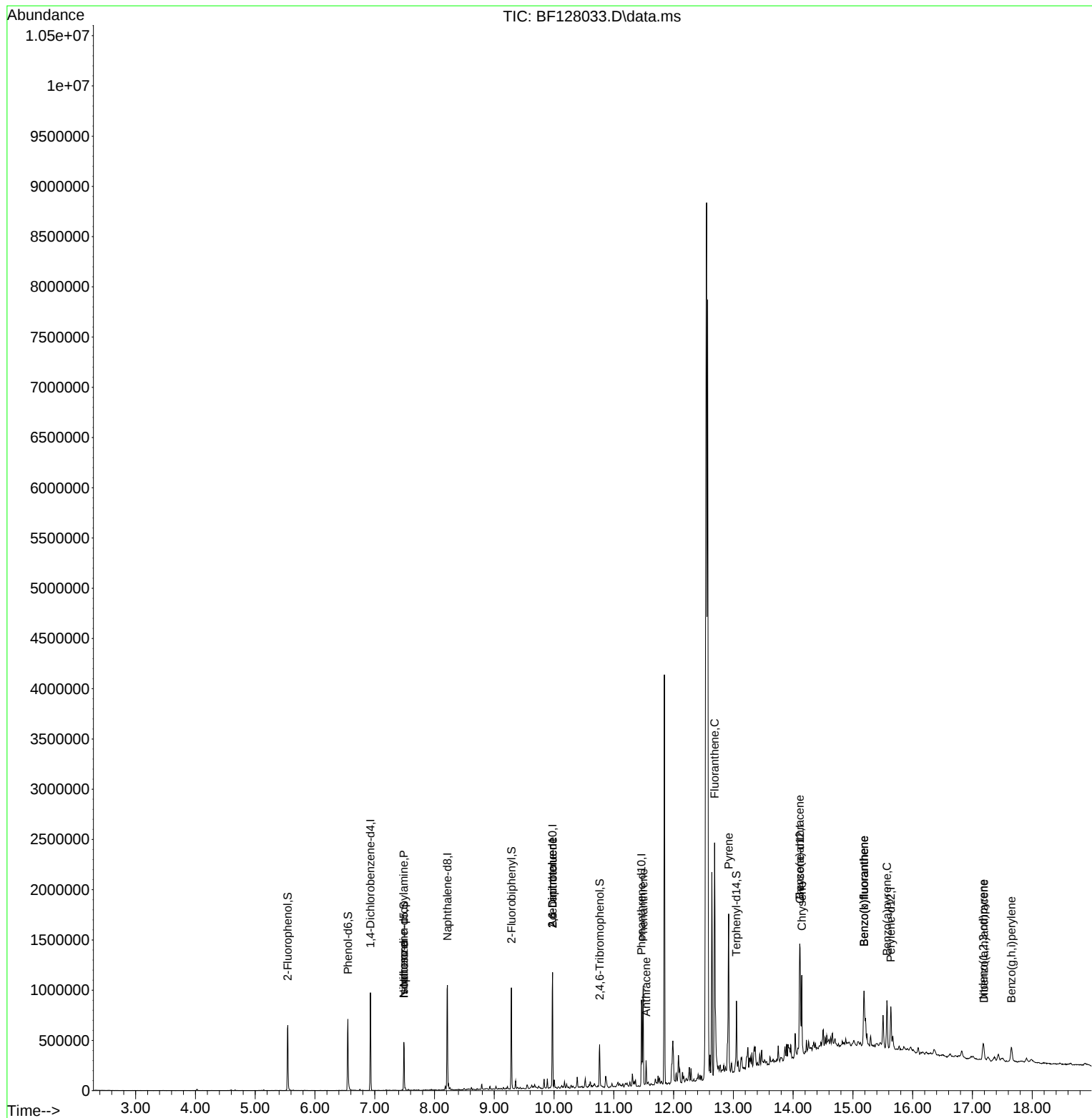
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	121142	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	452996	20.000	ng	0.00
39) Acenaphthene-d10	9.975	164	229393	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	327522	20.000	ng	0.00
76) Chrysene-d12	14.116	240	237302	20.000	ng	# 0.00
86) Perylene-d12	15.633	264	171559	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.546	112	173926	22.868	ng	0.00
7) Phenol-d6	6.551	99	223184	22.615	ng	-0.01
23) Nitrobenzene-d5	7.487	82	150966	15.671	ng	-0.02
42) 2,4,6-Tribromophenol	10.763	330	44868	19.430	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	270586	19.955	ng	0.00
79) Terphenyl-d14	13.051	244	215103	16.575	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.487	70	20611	3.412	ng	# 81
25) Isophorone	7.487	82	148220	9.142	ng	# 68
51) 2,6-Dinitrotoluene	9.975	165	30392	9.124	ng	# 21
57) 2,4-Dinitrotoluene	9.975	165	30392	6.888	ng	# 26
71) Phenanthrene	11.492	178	355149	20.715	ng	99
72) Anthracene	11.539	178	89554	5.244	ng	99
75) Fluoranthene	12.686	202	603548	33.449	ng	99
78) Pyrene	12.922	202	632264	33.006	ng	99
81) Benzo(a)anthracene	14.110	228	341459	21.588	ng	94
83) Chrysene	14.145	228	307279	20.342	ng	98
87) Indeno(1,2,3-cd)pyrene	17.180	276	121574	10.617	ng	# 94
88) Benzo(b)fluoranthene	15.186	252	426983	39.626	ng	98
89) Benzo(k)fluoranthene	15.186	252	426983	39.332	ng	96
90) Benzo(a)pyrene	15.569	252	229607	25.689	ng	97
91) Dibenzo(a,h)anthracene	17.192	278	29911	3.257	ng	# 81
92) Benzo(g,h,i)perylene	17.651	276	119776	12.376	ng	97

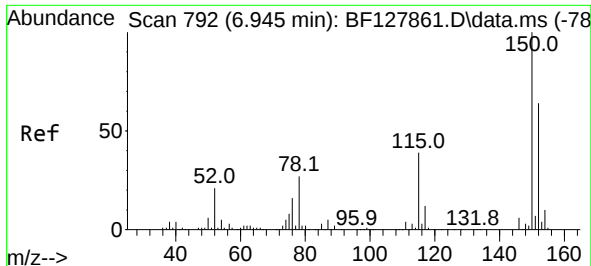
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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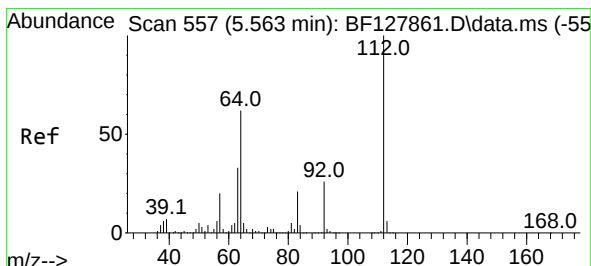
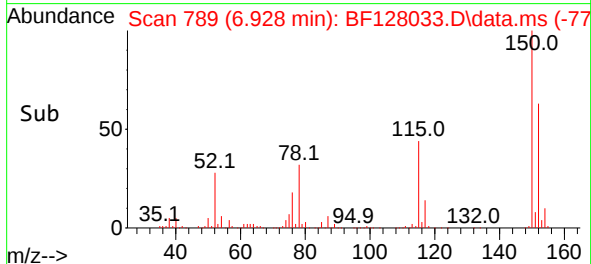
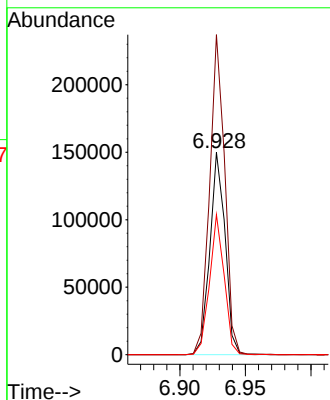
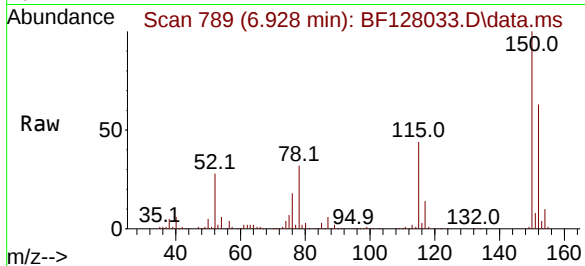




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

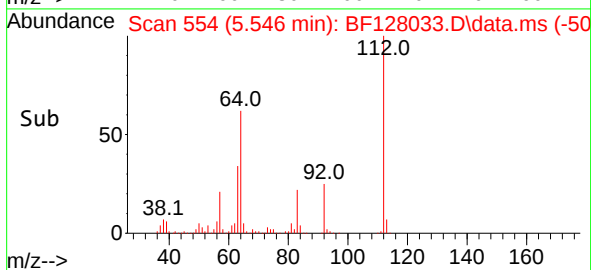
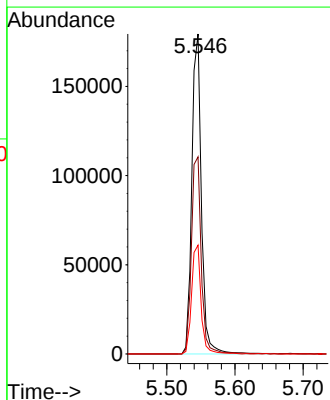
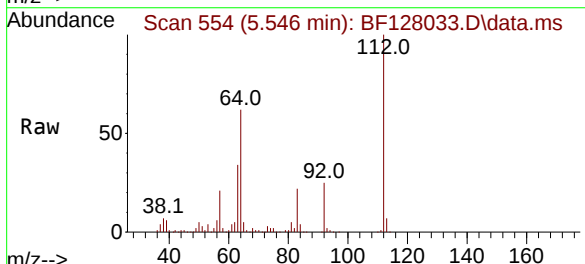
Instrument :
BNA_F
ClientSampleId :
HR-03-042822DL

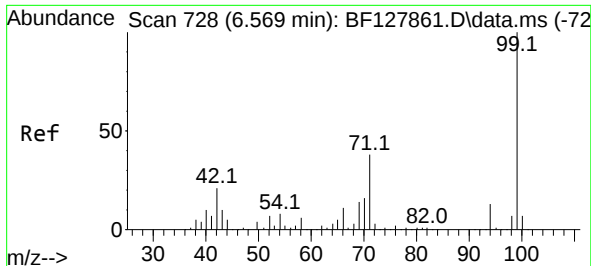
Tgt Ion:152 Resp: 121142
Ion Ratio Lower Upper
152 100
150 158.3 125.3 187.9
115 69.3 48.8 73.2



#5
2-Fluorophenol
Concen: 22.868 ng
RT: 5.546 min Scan# 554
Delta R.T. -0.006 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

Tgt Ion:112 Resp: 173926
Ion Ratio Lower Upper
112 100
64 61.6 49.5 74.3
63 34.0 26.3 39.5

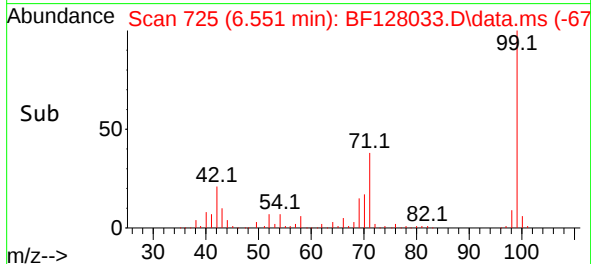
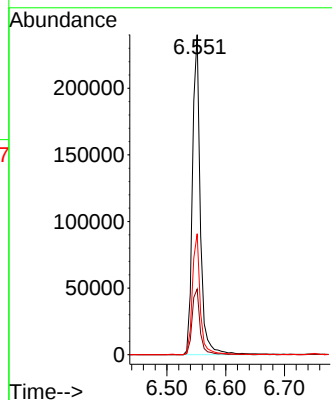
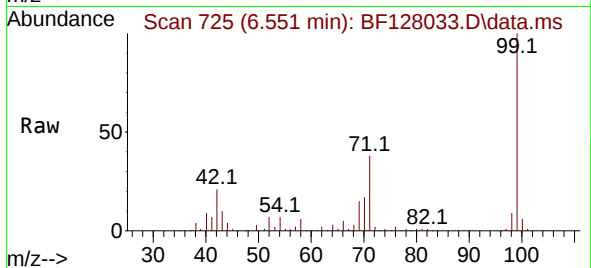




#7
Phenol-d6
Concen: 22.615 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

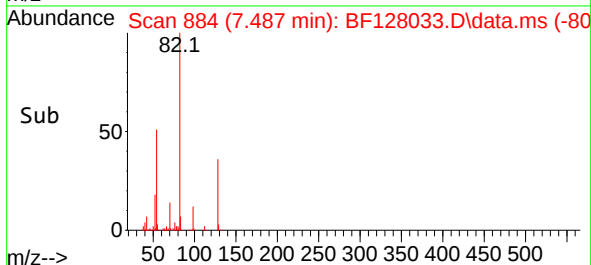
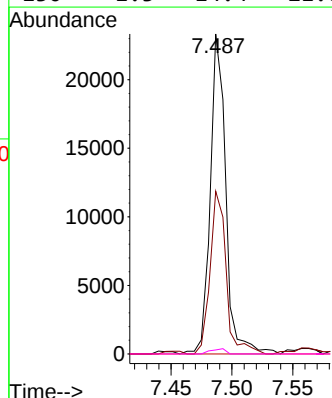
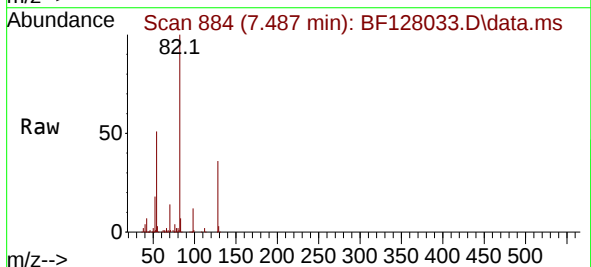
Instrument :
BNA_F
ClientSampleId :
HR-03-042822DL

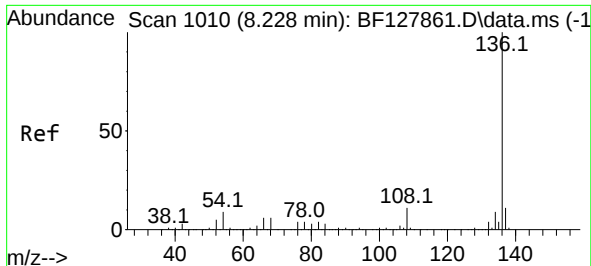
Tgt Ion: 99 Resp: 223184
Ion Ratio Lower Upper
99 100
42 20.5 16.6 24.8
71 37.8 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 3.412 ng
RT: 7.487 min Scan# 884
Delta R.T. 0.141 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

Tgt Ion: 70 Resp: 20611
Ion Ratio Lower Upper
70 100
42 50.9 48.7 73.1
101 0.0 7.2 10.8#
130 1.3 14.4 21.6#

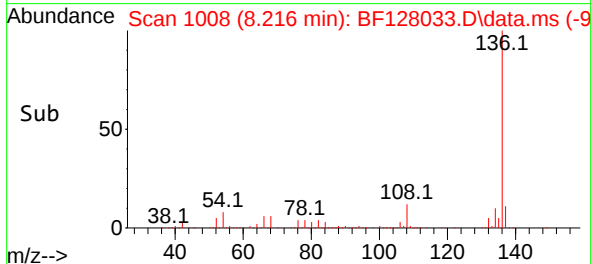
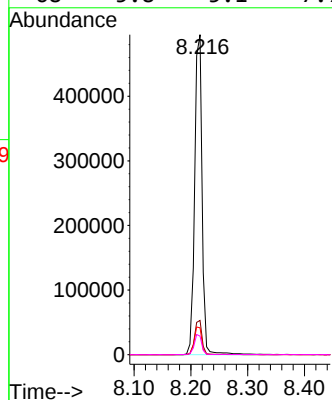
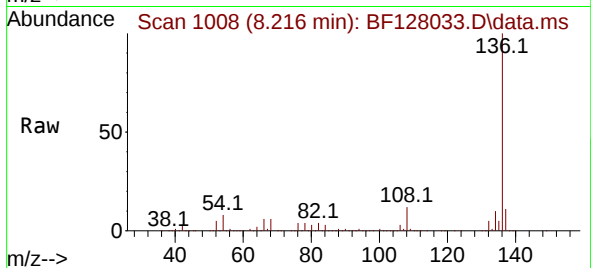




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

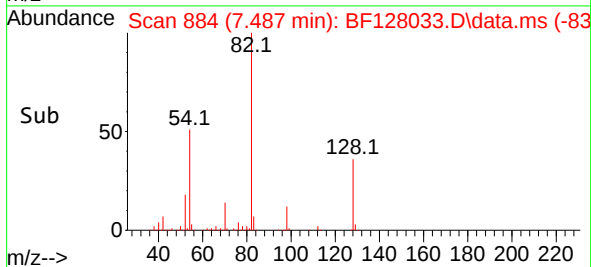
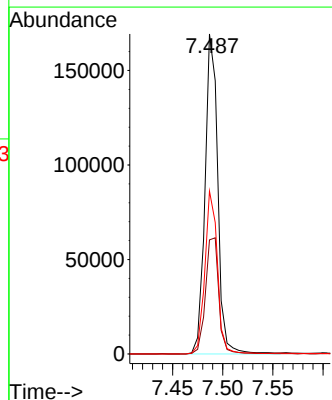
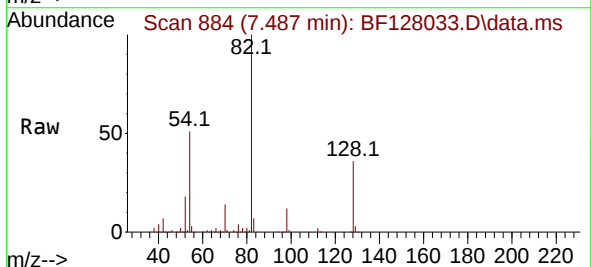
Instrument :
BNA_F
ClientSampleId :
HR-03-042822DL

Tgt Ion:136	Resp: 452996
Ion Ratio	Lower Upper
136 100	
137 10.7	8.6 13.0
54 8.4	6.8 10.2
68 5.8	5.1 7.7



#23
Nitrobenzene-d5
Concen: 15.671 ng
RT: 7.487 min Scan# 884
Delta R.T. -0.017 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

Tgt Ion: 82	Resp: 150966
Ion Ratio	Lower Upper
82 100	
128 35.7	30.0 45.0
54 50.9	41.3 61.9

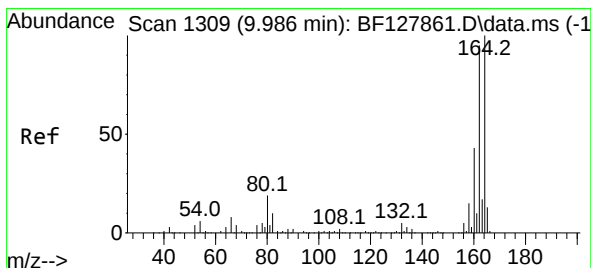
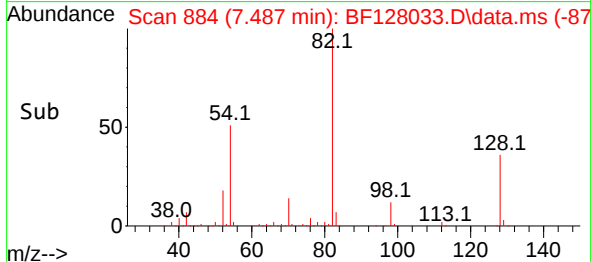
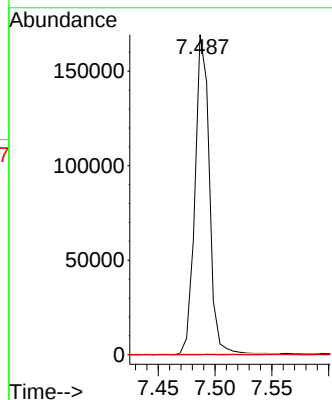
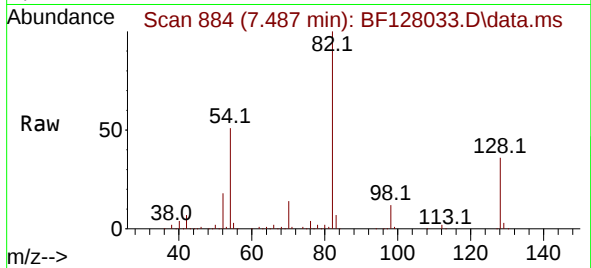




#25
Isophorone
Concen: 9.142 ng
RT: 7.487 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

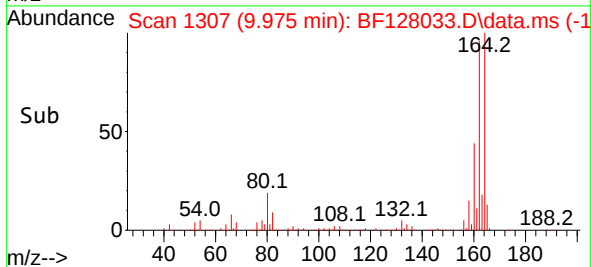
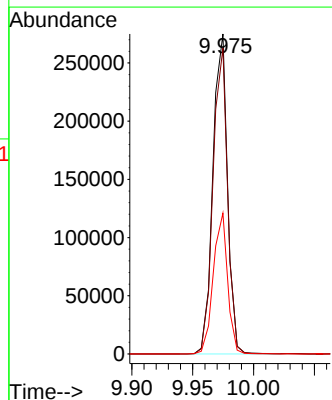
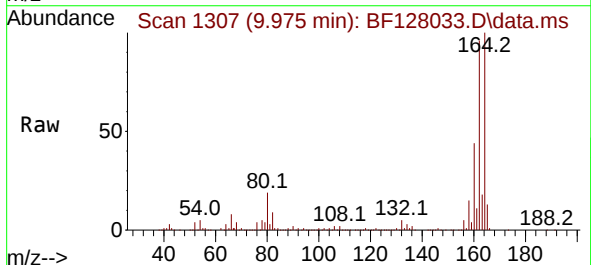
Instrument :
BNA_F
ClientSampleId :
HR-03-042822DL

Tgt Ion: 82 Resp: 148220
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: 9.975 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

Tgt Ion:164 Resp: 229393
Ion Ratio Lower Upper
164 100
162 95.5 76.0 114.0
160 44.0 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 19.430 ng

RT: 10.763 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF128033.D

Acq: 02 May 2022 18:39

Instrument :

BNA_F

ClientSampleId :

HR-03-042822DL

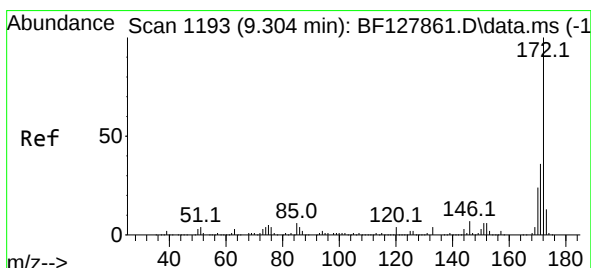
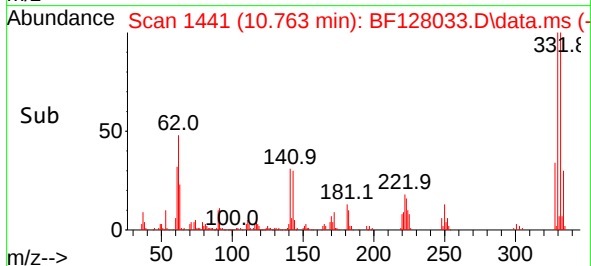
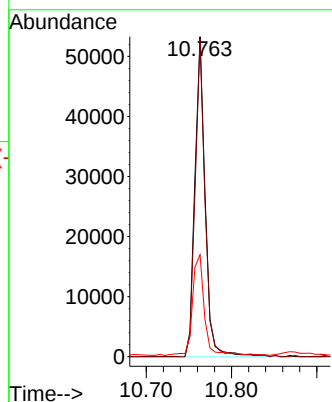
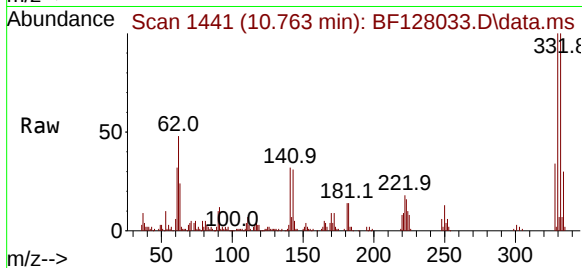
Tgt Ion:330 Resp: 44868

Ion Ratio Lower Upper

330 100

332 96.2 79.0 118.4

141 35.7 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 19.955 ng

RT: 9.287 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BF128033.D

Acq: 02 May 2022 18:39

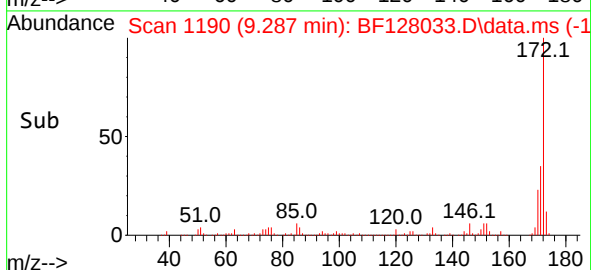
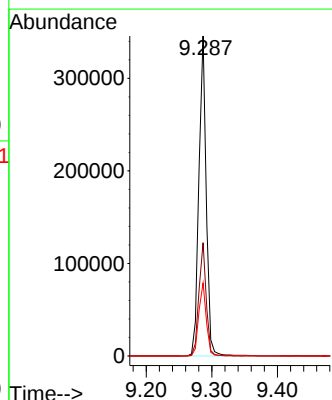
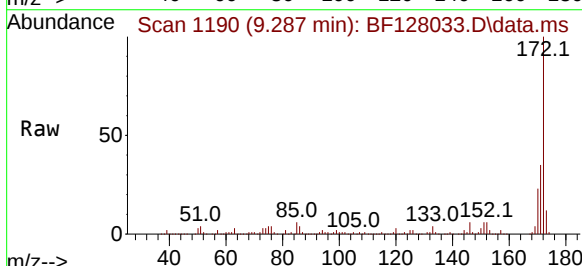
Tgt Ion:172 Resp: 270586

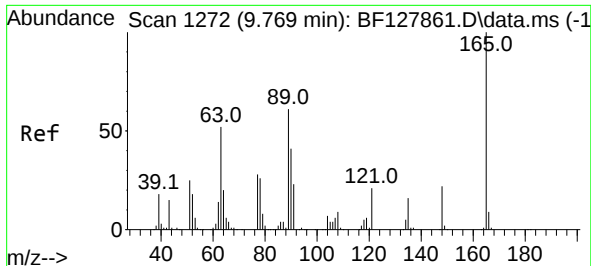
Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 22.8 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.124 ng

RT: 9.975 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF128033.D

Acq: 02 May 2022 18:39

Instrument :

BNA_F

ClientSampleId :

HR-03-042822DL

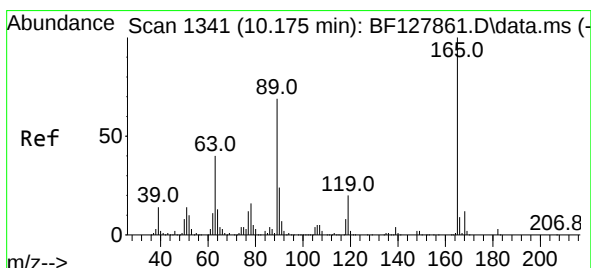
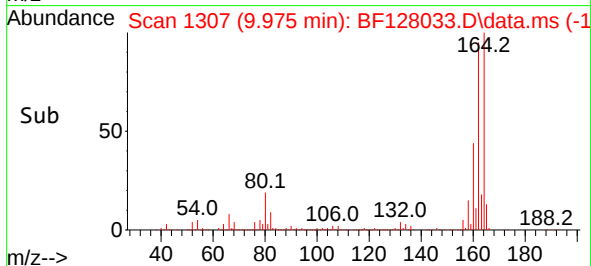
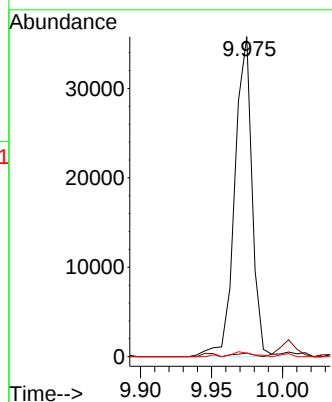
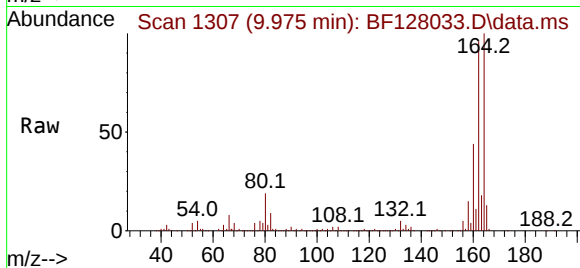
Tgt Ion:165 Resp: 30392

Ion Ratio Lower Upper

165 100

63 1.2 49.5 74.3#

89 1.1 49.0 73.4#



#57

2,4-Dinitrotoluene

Concen: 6.888 ng

RT: 9.975 min Scan# 1307

Delta R.T. -0.188 min

Lab File: BF128033.D

Acq: 02 May 2022 18:39

Tgt Ion:165 Resp: 30392

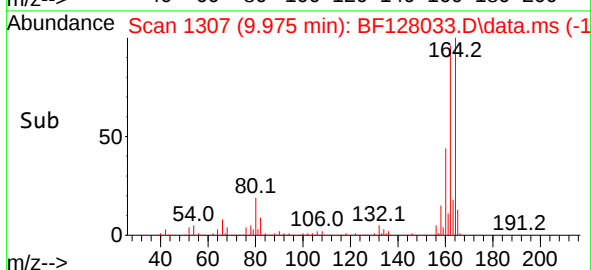
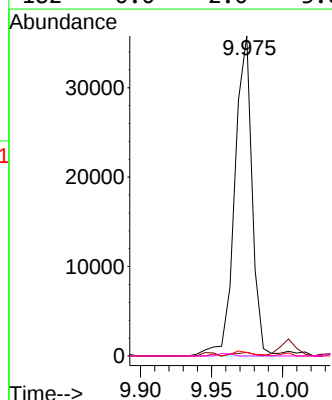
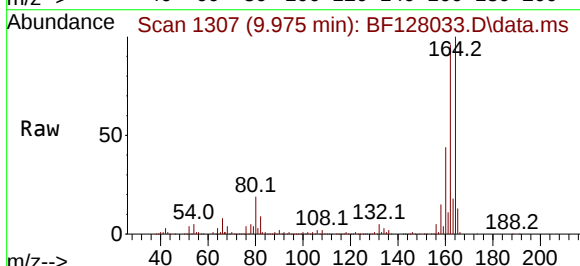
Ion Ratio Lower Upper

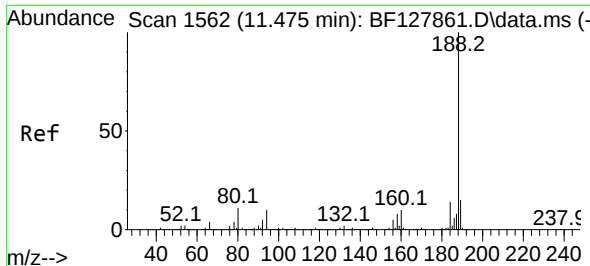
165 100

63 1.2 32.6 49.0#

89 1.1 55.2 82.8#

182 0.0 2.0 3.0#

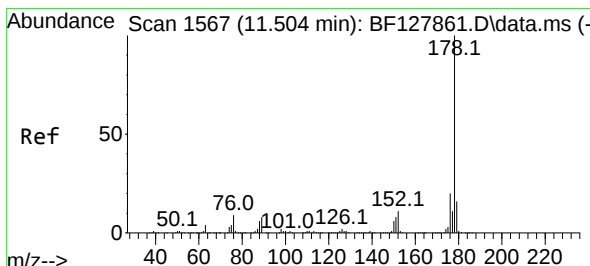
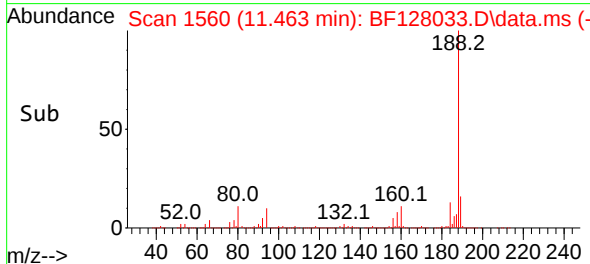
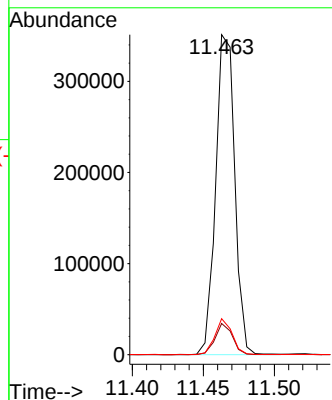
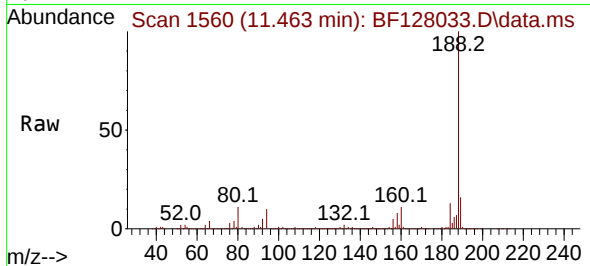




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

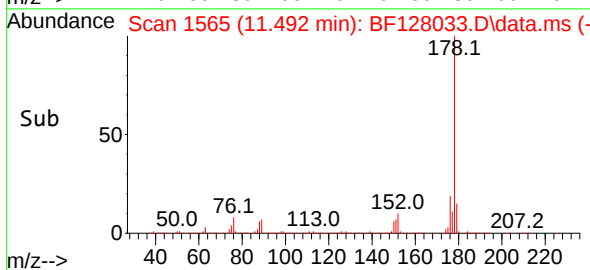
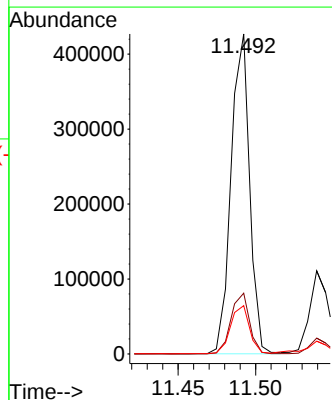
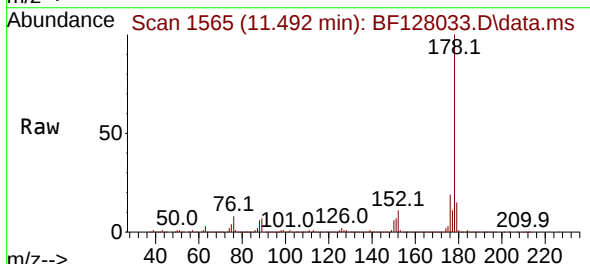
Instrument :
BNA_F
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HR-03-042822DL

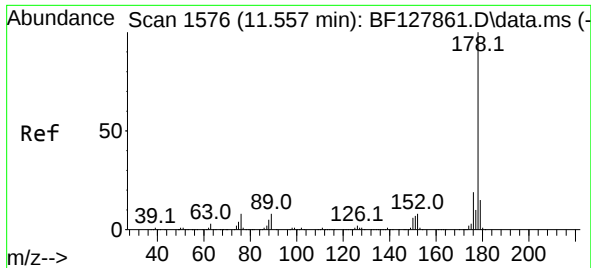
Tgt Ion:188 Resp: 327522
Ion Ratio Lower Upper
188 100
94 9.8 8.0 12.0
80 11.2 8.9 13.3



#71
Phenanthrene
Concen: 20.715 ng
RT: 11.492 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

Tgt Ion:178 Resp: 355149
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 15.1 12.6 19.0

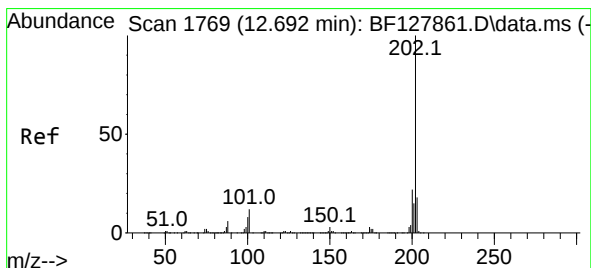
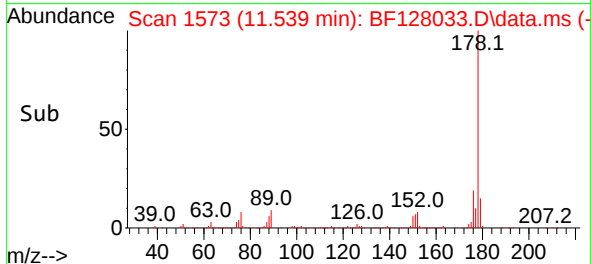
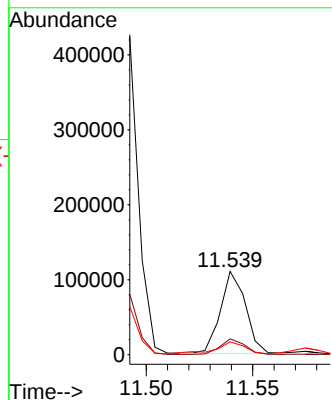
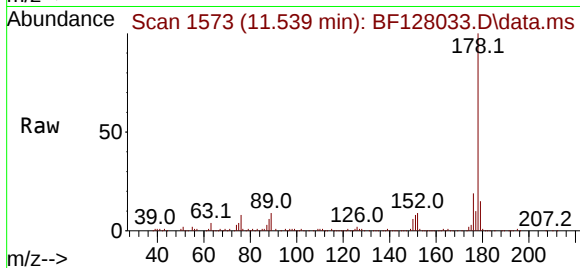




#72
 Anthracene
 Concen: 5.244 ng
 RT: 11.539 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128033.D
 Acq: 02 May 2022 18:39

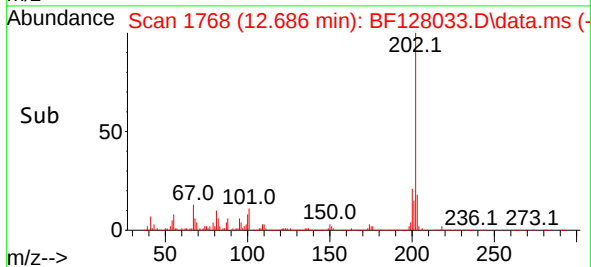
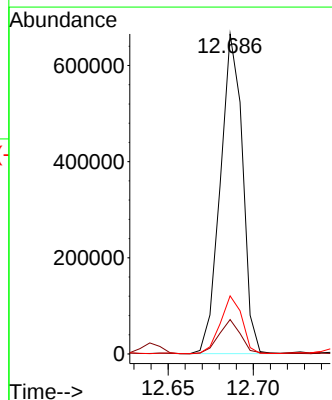
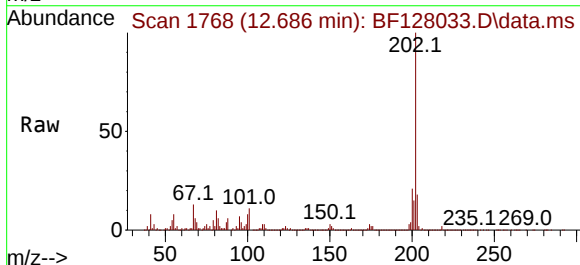
Instrument :
 BNA_F
 ClientSampleId :
 HR-03-042822DL

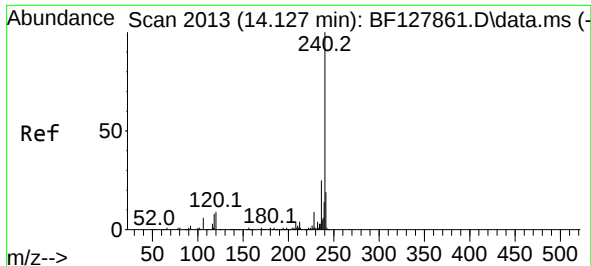
Tgt Ion:178 Resp: 89554
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.0 22.6
 179 15.3 12.4 18.6



#75
 Fluoranthene
 Concen: 33.449 ng
 RT: 12.686 min Scan# 1768
 Delta R.T. 0.000 min
 Lab File: BF128033.D
 Acq: 02 May 2022 18:39

Tgt Ion:202 Resp: 603548
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 31.6
 203 18.1 0.0 38.1

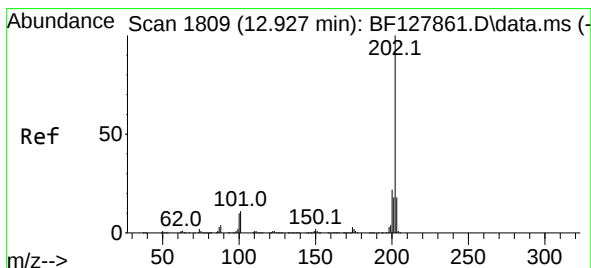
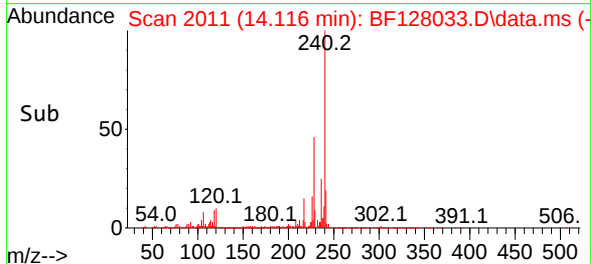
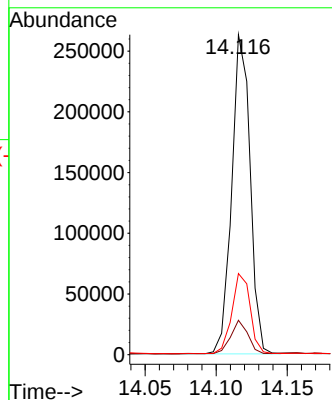
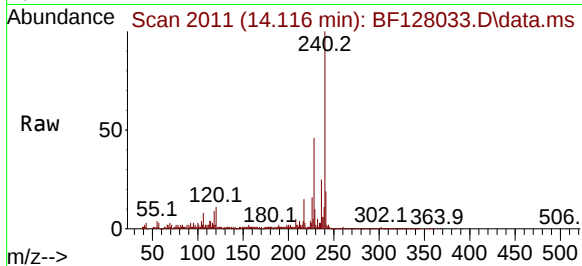




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

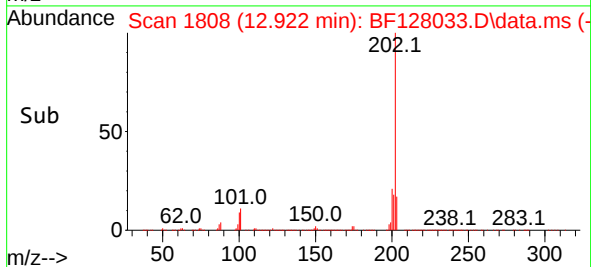
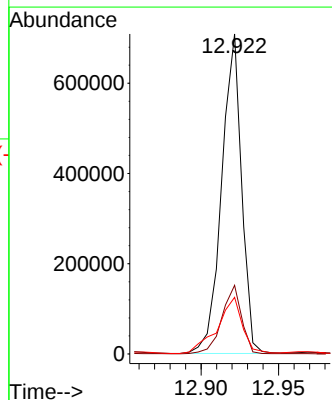
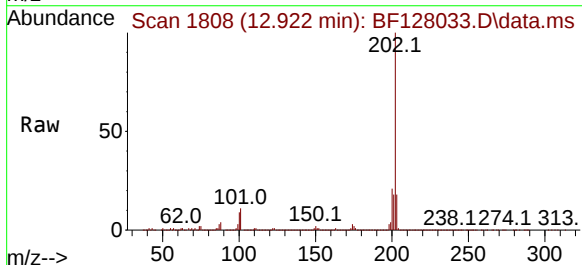
Instrument :
BNA_F
ClientSampleId :
HR-03-042822DL

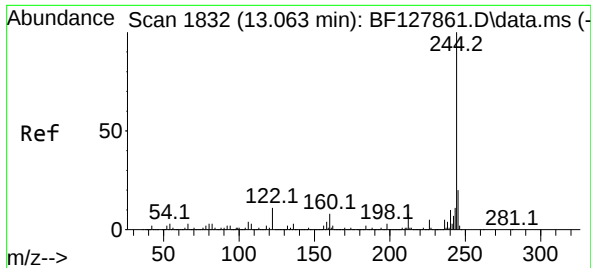
Tgt Ion:240 Resp: 237302
Ion Ratio Lower Upper
240 100
120 10.7 7.0 10.6#
236 25.4 20.3 30.5



#78
Pyrene
Concen: 33.006 ng
RT: 12.922 min Scan# 1808
Delta R.T. 0.006 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

Tgt Ion:202 Resp: 632264
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 17.7 14.0 21.0

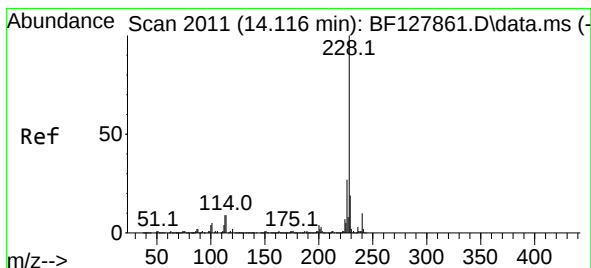
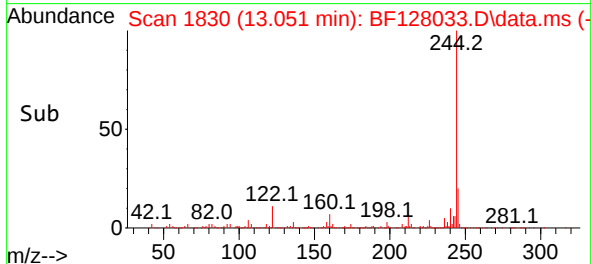
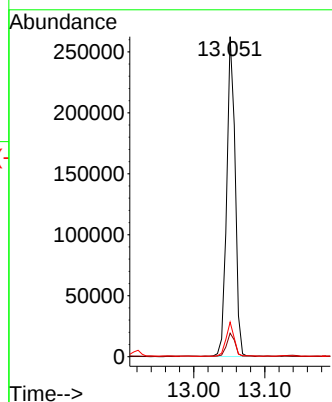
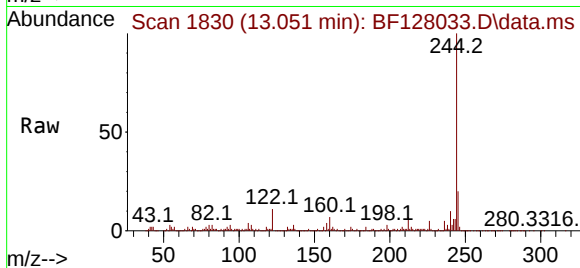




#79
 Terphenyl-d14
 Concen: 16.575 ng
 RT: 13.051 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF128033.D
 Acq: 02 May 2022 18:39

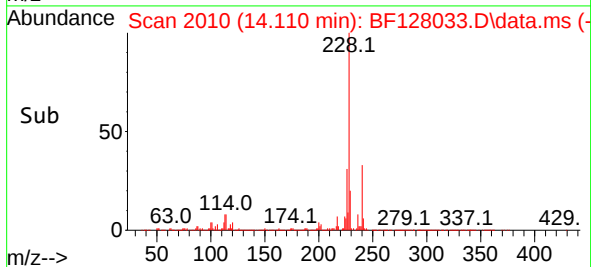
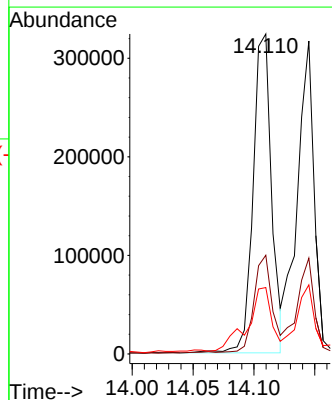
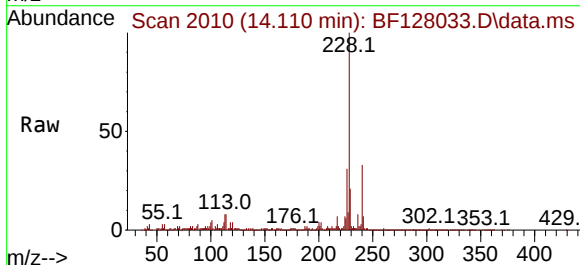
Instrument :
 BNA_F
 ClientSampleId :
 HR-03-042822DL

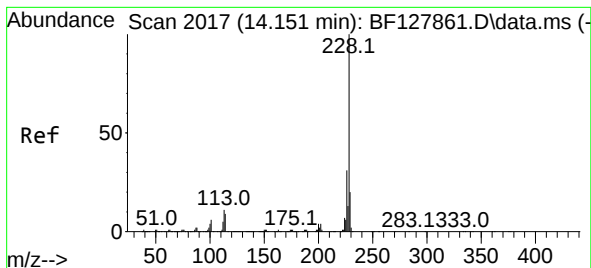
Tgt Ion:244 Resp: 215103
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.4
 122 10.8 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 21.588 ng
 RT: 14.110 min Scan# 2010
 Delta R.T. 0.006 min
 Lab File: BF128033.D
 Acq: 02 May 2022 18:39

Tgt Ion:228 Resp: 341459
 Ion Ratio Lower Upper
 228 100
 226 30.9 21.7 32.5
 229 20.8 15.4 23.2





#83

Chrysene

Concen: 20.342 ng

RT: 14.145 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF128033.D

Acq: 02 May 2022 18:39

Instrument :

BNA_F

ClientSampleId :

HR-03-042822DL

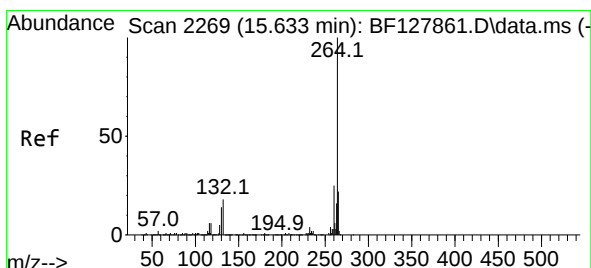
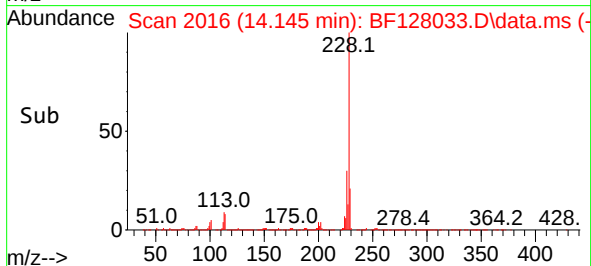
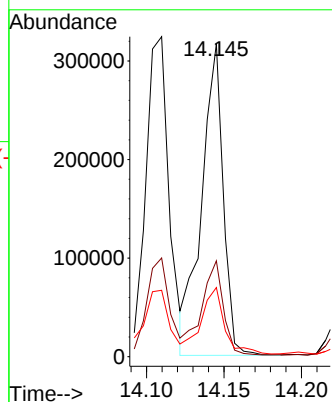
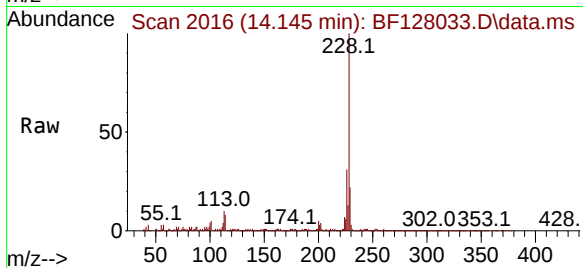
Tgt Ion:228 Resp: 307279

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

229 22.1 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 2269

Delta R.T. 0.012 min

Lab File: BF128033.D

Acq: 02 May 2022 18:39

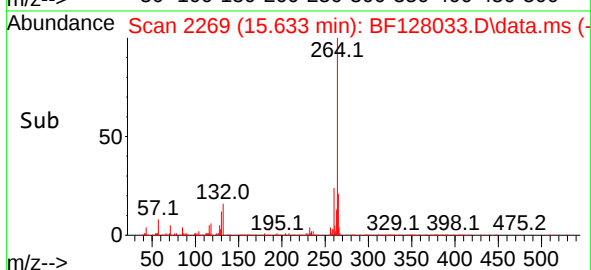
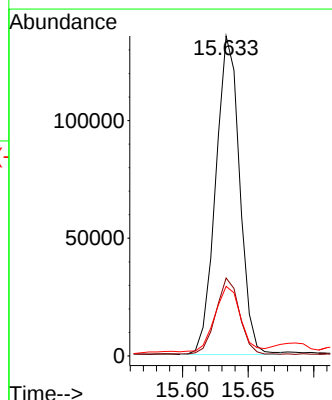
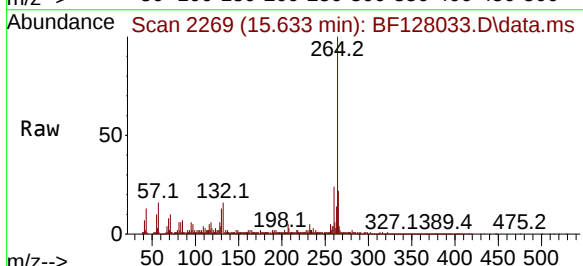
Tgt Ion:264 Resp: 171559

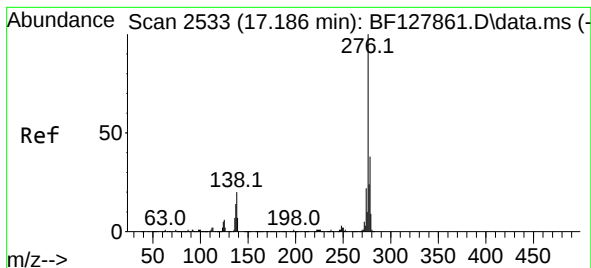
Ion Ratio Lower Upper

264 100

260 24.3 20.1 30.1

265 21.8 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.617 ng

RT: 17.180 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF128033.D

Acq: 02 May 2022 18:39

Instrument :

BNA_F

ClientSampleId :

HR-03-042822DL

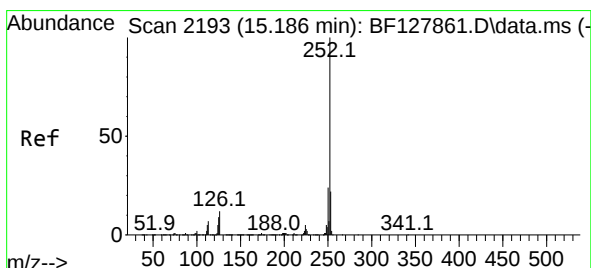
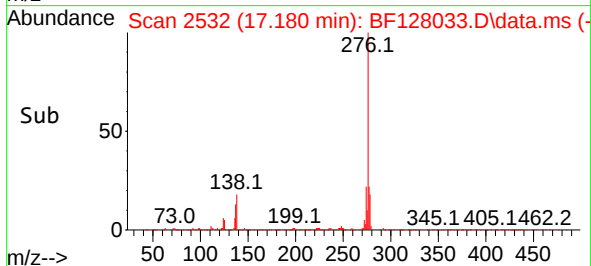
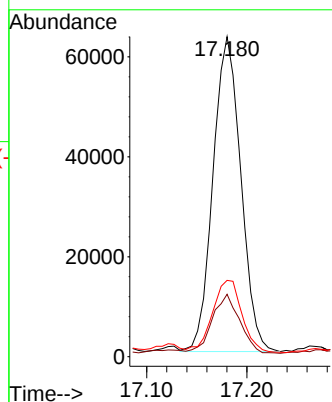
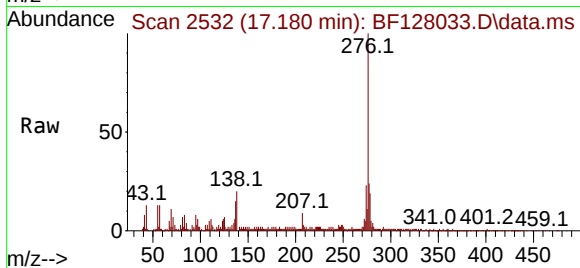
Tgt Ion:276 Resp: 121574

Ion Ratio Lower Upper

276 100

138 18.5 19.0 28.4#

277 24.5 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 39.626 ng

RT: 15.186 min Scan# 2193

Delta R.T. 0.012 min

Lab File: BF128033.D

Acq: 02 May 2022 18:39

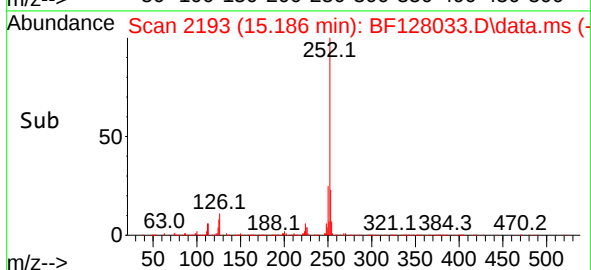
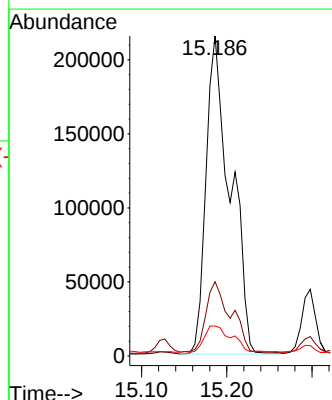
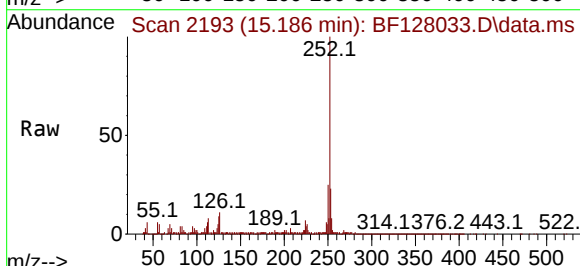
Tgt Ion:252 Resp: 426983

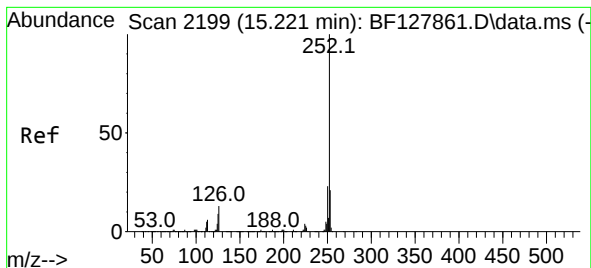
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

125 9.4 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 39.332 ng

RT: 15.186 min Scan# 2199

Delta R.T. -0.023 min

Lab File: BF128033.D

Acq: 02 May 2022 18:39

Instrument :

BNA_F

ClientSampleId :

HR-03-042822DL

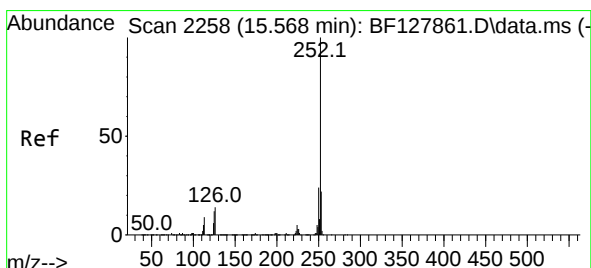
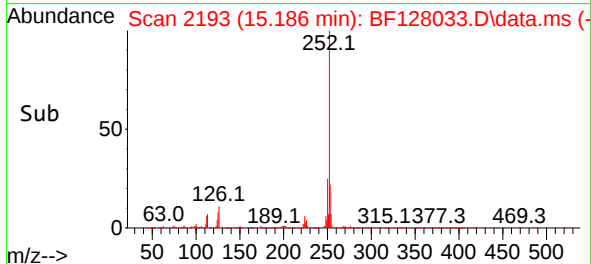
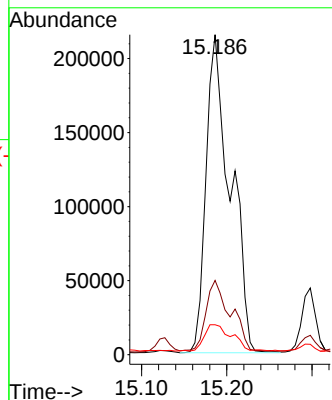
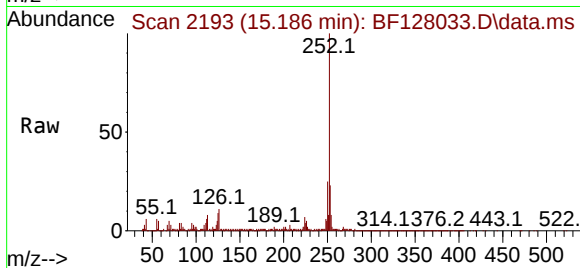
Tgt Ion:252 Resp: 426983

Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.4

125 9.4 6.8 10.2



#90

Benzo(a)pyrene

Concen: 25.689 ng

RT: 15.569 min Scan# 2258

Delta R.T. 0.012 min

Lab File: BF128033.D

Acq: 02 May 2022 18:39

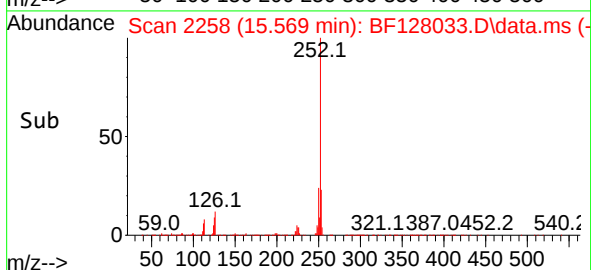
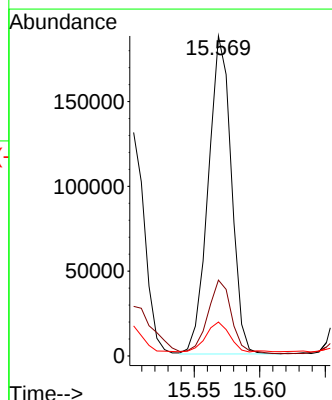
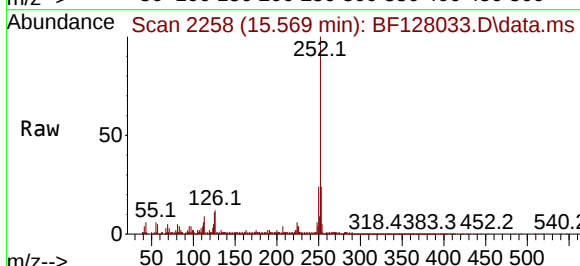
Tgt Ion:252 Resp: 229607

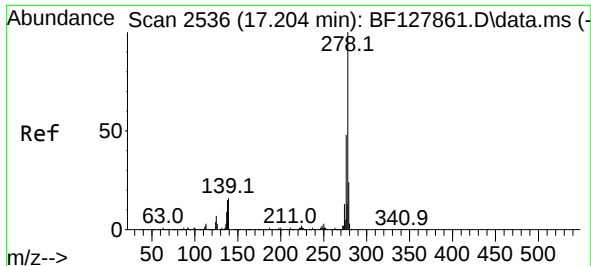
Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

125 10.6 9.2 13.8

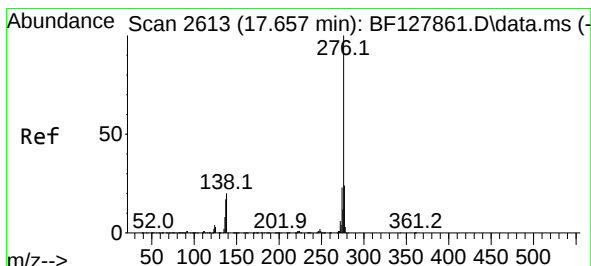
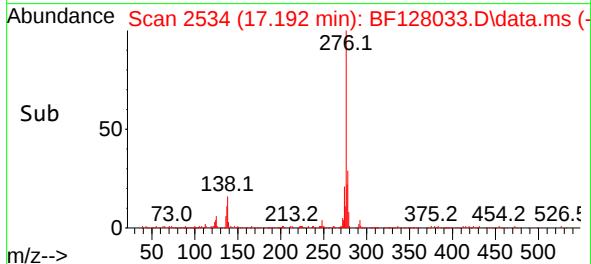
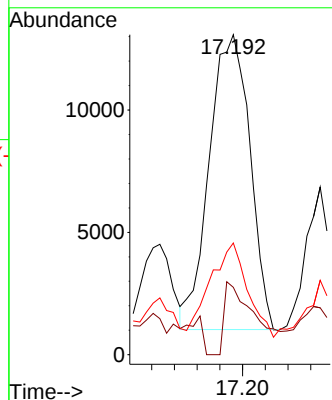
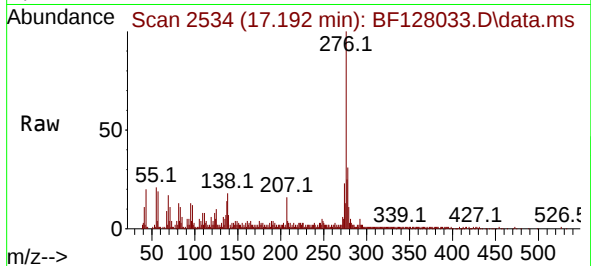




#91
Dibenzo(a,h)anthracene
Concen: 3.257 ng
RT: 17.192 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

Instrument :
BNA_F
ClientSampleId :
HR-03-042822DL

Tgt Ion: 278 Resp: 29911
Ion Ratio Lower Upper
278 100
139 21.0 12.6 19.0#
279 34.9 18.9 28.3#



#92
Benzo(g,h,i)perylene
Concen: 12.376 ng
RT: 17.651 min Scan# 2612
Delta R.T. 0.012 min
Lab File: BF128033.D
Acq: 02 May 2022 18:39

Tgt Ion: 276 Resp: 119776
Ion Ratio Lower Upper
276 100
277 23.2 18.8 28.2
138 18.0 16.2 24.2

