

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060822\
 Data File : BF128731.D
 Acq On : 08 Jun 2022 13:01
 Operator : CG\JU
 Sample : N3197-01DL 20X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-3-060322DL

Quant Time: Jun 08 14:30:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 14:28:39 2022
 Response via : Initial Calibration

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

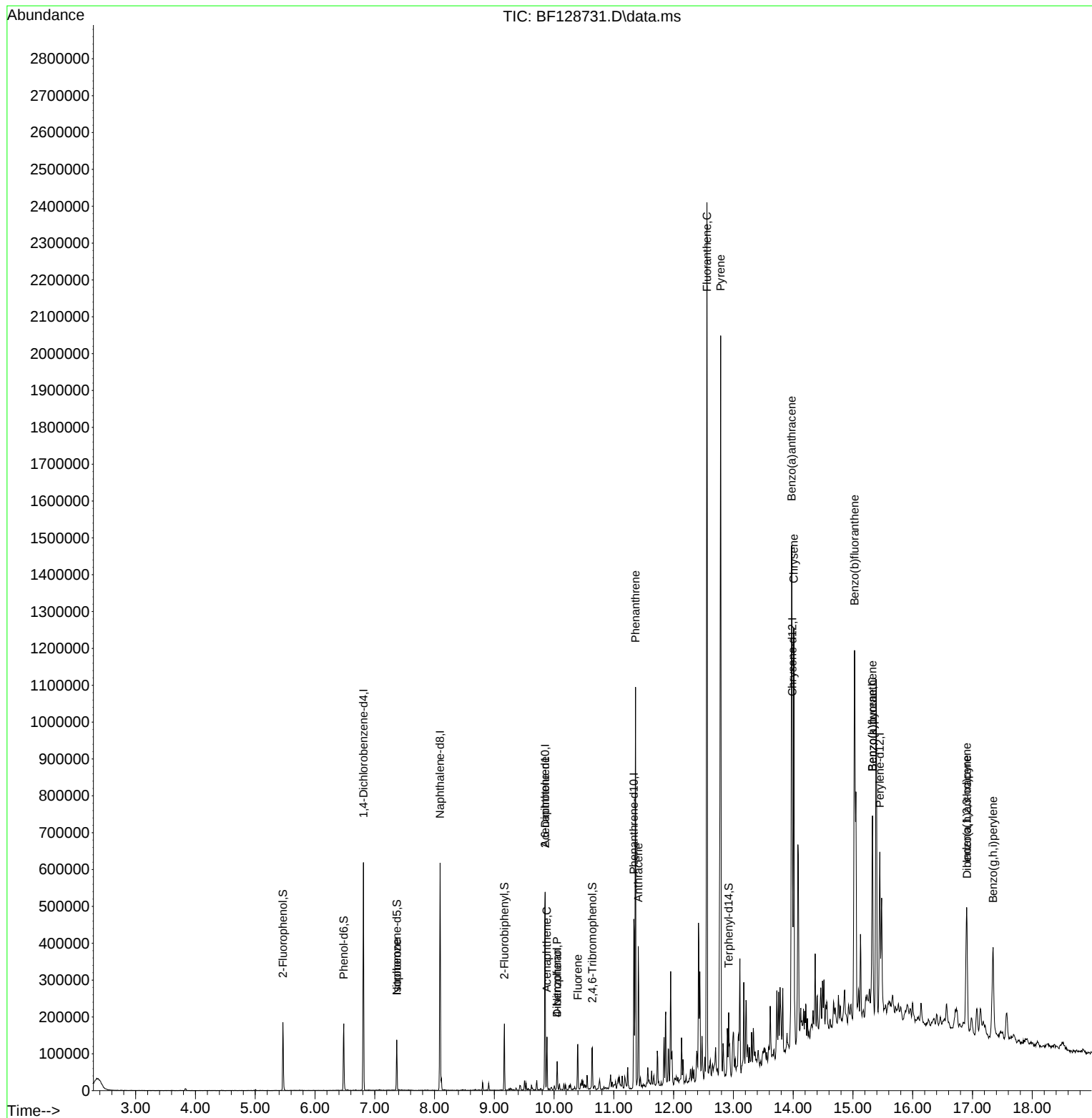
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	77942	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	226764	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	105609	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	172851	20.000	ng	0.00
76) Chrysene-d12	13.986	240	182553	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	189544	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	40778	8.333	ng	0.00
7) Phenol-d6	6.481	99	49265	8.248	ng	0.00
23) Nitrobenzene-d5	7.369	82	34371	7.057	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	7920	6.347	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	48167	6.389	ng	0.00
79) Terphenyl-d14	12.921	244	46991	4.473	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.369	82	34378	4.647	ng	# 65
51) 2,6-Dinitrotoluene	9.851	165	13812	9.681	ng	# 26
52) Acenaphthene	9.880	154	25430	4.219	ng	98
55) Dibenzofuran	10.051	168	19179	2.214	ng	# 89
56) 4-Nitrophenol	10.051	139	8968	7.990	ng	# 10
58) Fluorene	10.398	166	32272	4.803	ng	100
71) Phenanthrene	11.363	178	356479	41.117	ng	98
72) Anthracene	11.410	178	132738	15.468	ng	100
75) Fluoranthene	12.557	202	947056	104.502	ng	98
78) Pyrene	12.786	202	835559	61.520	ng	99
81) Benzo(a)anthracene	13.974	228	522206	45.891	ng	99
83) Chrysene	14.010	228	390736	36.017	ng	97
87) Indeno(1,2,3-cd)pyrene	16.904	276	229240	20.066	ng	# 87
88) Benzo(b)fluoranthene	15.027	252	780724	64.461	ng	96
89) Benzo(k)fluoranthene	15.327	252	245513	21.549	ng	99
90) Benzo(a)pyrene	15.327	252	267882	28.141	ng	98
91) Dibenzo(a,h)anthracene	16.909	278	52132	5.501	ng	93
92) Benzo(g,h,i)perylene	17.345	276	201208	21.424	ng	# 91

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060822\
Data File : BF128731.D
Acq On : 08 Jun 2022 13:01
Operator : CG\JU
Sample : N3197-01DL 20X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

Quant Time: Jun 08 14:30:27 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 08 14:28:39 2022
Response via : Initial Calibration

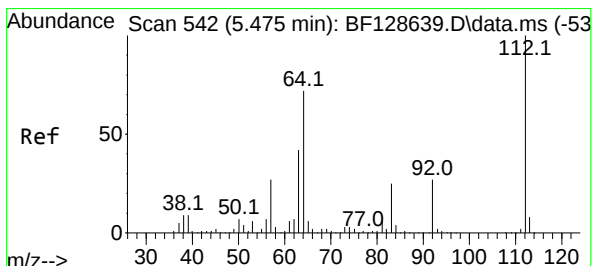
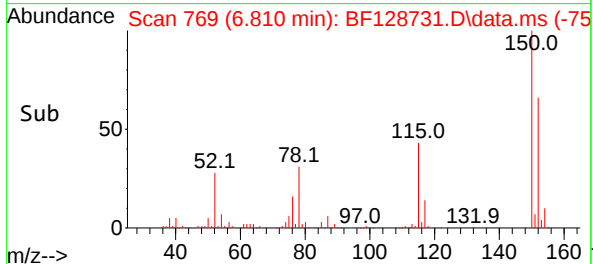
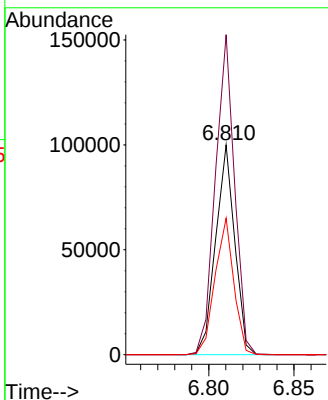
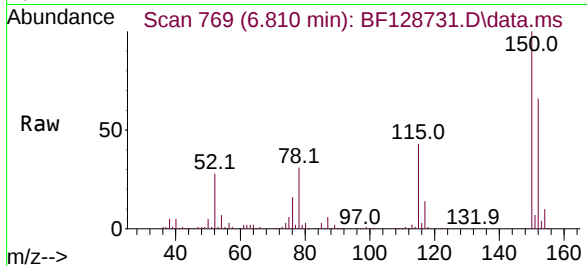




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

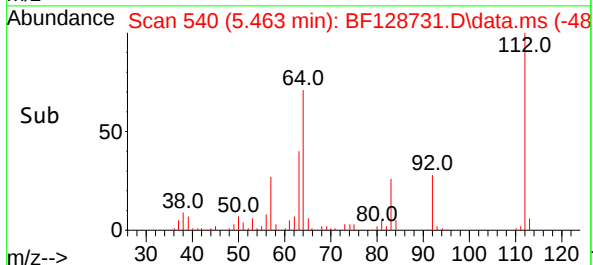
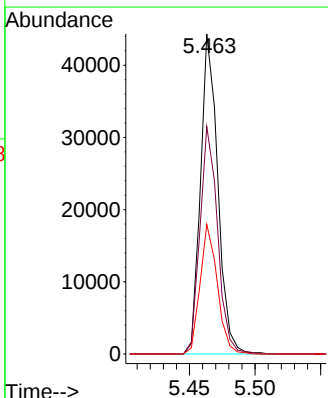
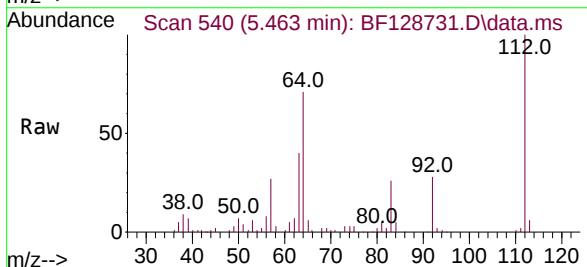
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

Tgt Ion:152 Resp: 77942
Ion Ratio Lower Upper
152 100
150 152.6 123.7 185.5
115 65.0 49.9 74.9



#5
2-Fluorophenol
Concen: 8.333 ng
RT: 5.463 min Scan# 540
Delta R.T. 0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

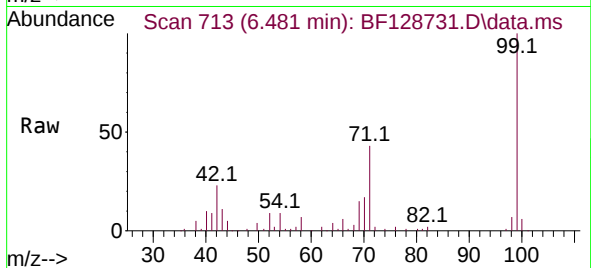
Tgt Ion:112 Resp: 40778
Ion Ratio Lower Upper
112 100
64 71.0 53.3 79.9
63 40.5 28.0 42.0



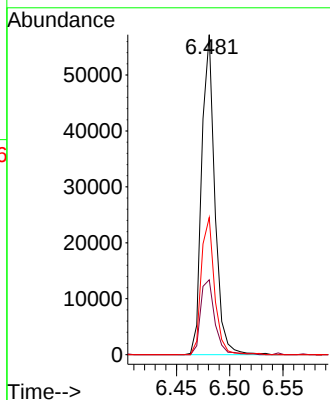
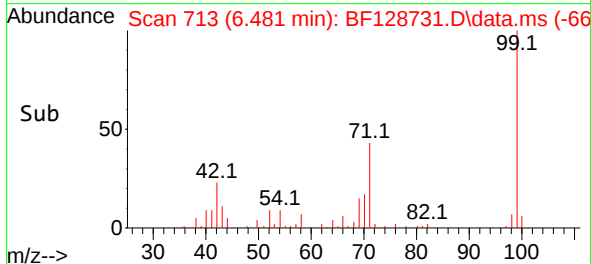


#7
Phenol-d6
Concen: 8.248 ng
RT: 6.481 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

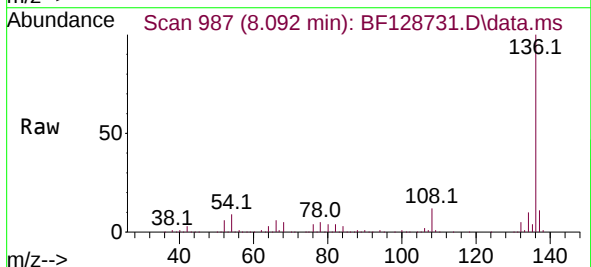
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL



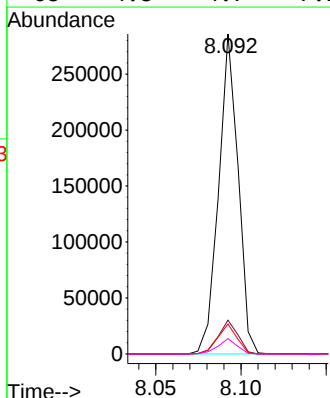
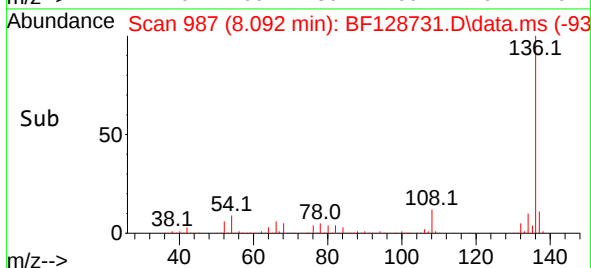
Tgt Ion: 99 Resp: 49265
Ion Ratio Lower Upper
99 100
42 23.4 17.3 25.9
71 42.8 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01



Tgt Ion: 136 Resp: 226764
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 9.4 7.5 11.3
68 4.8 4.7 7.1





#23

Nitrobenzene-d5

Concen: 7.057 ng

RT: 7.369 min Scan# 864

Delta R.T. -0.012 min

Lab File: BF128731.D

Acq: 08 Jun 2022 13:01

Instrument :

BNA_F

ClientSampleId :

SU-3-060322DL

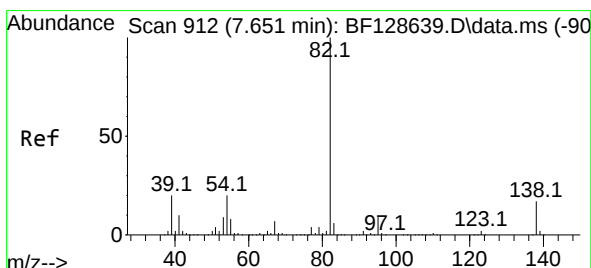
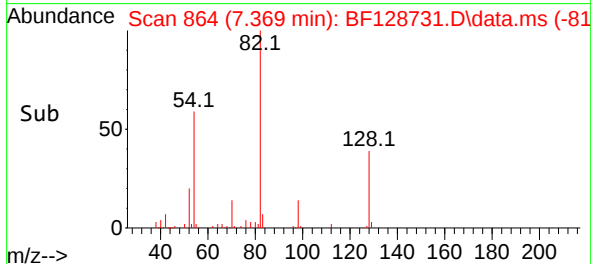
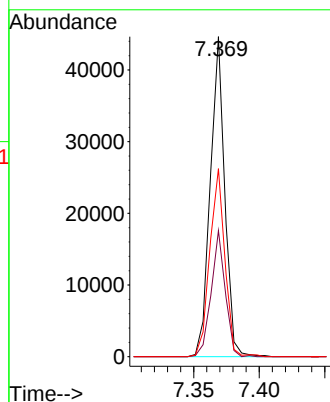
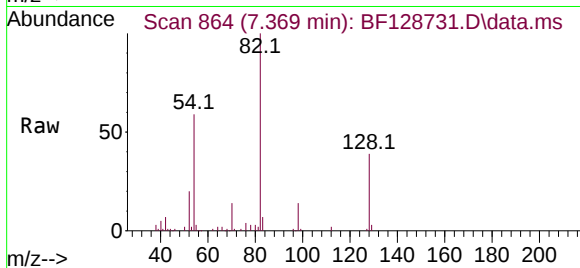
Tgt Ion: 82 Resp: 34371

Ion Ratio Lower Upper

82 100

128 39.4 34.0 51.0

54 58.7 46.9 70.3



#25

Isophorone

Concen: 4.647 ng

RT: 7.369 min Scan# 864

Delta R.T. -0.271 min

Lab File: BF128731.D

Acq: 08 Jun 2022 13:01

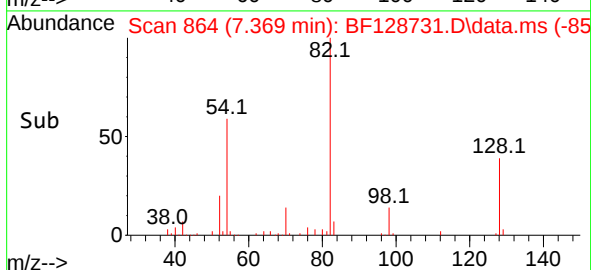
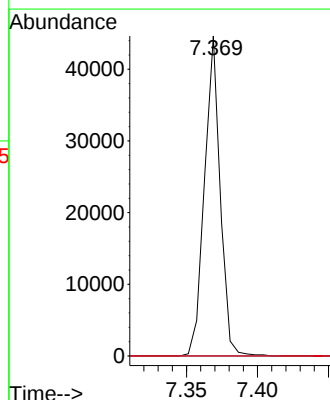
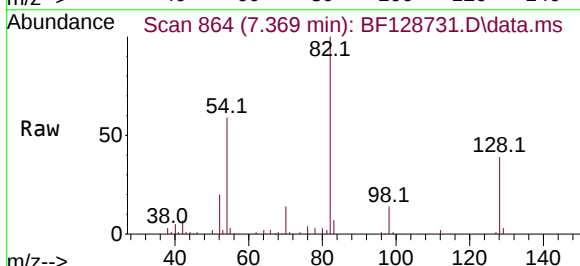
Tgt Ion: 82 Resp: 34378

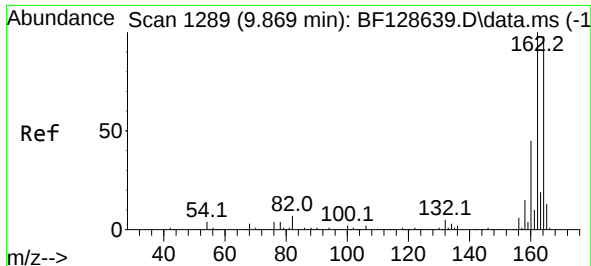
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128731.D

Acq: 08 Jun 2022 13:01

Instrument :

BNA_F

ClientSampleId :

SU-3-060322DL

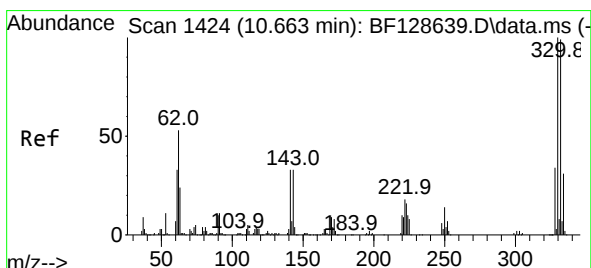
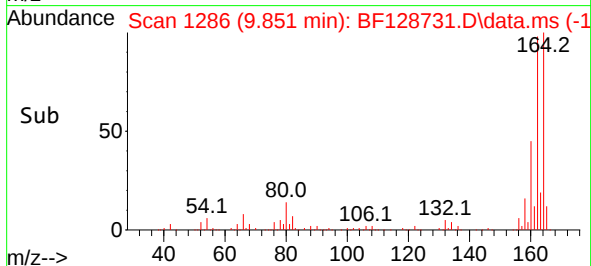
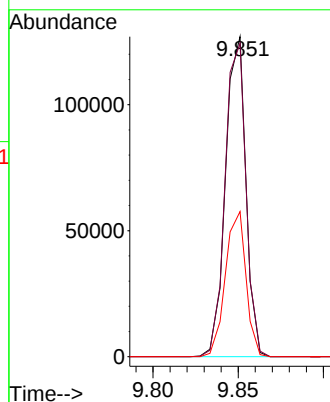
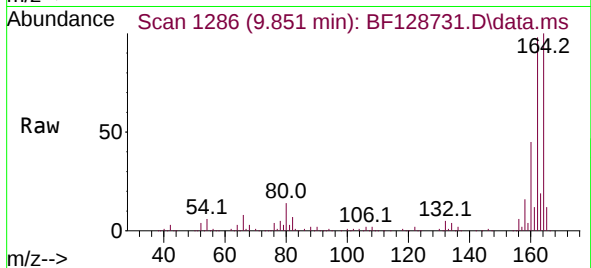
Tgt Ion:164 Resp: 105609

Ion Ratio Lower Upper

164 100

162 97.9 79.5 119.3

160 45.3 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 6.347 ng

RT: 10.639 min Scan# 1420

Delta R.T. -0.012 min

Lab File: BF128731.D

Acq: 08 Jun 2022 13:01

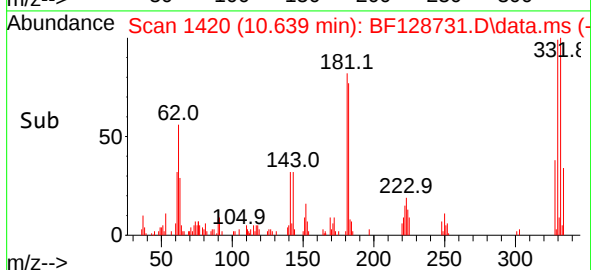
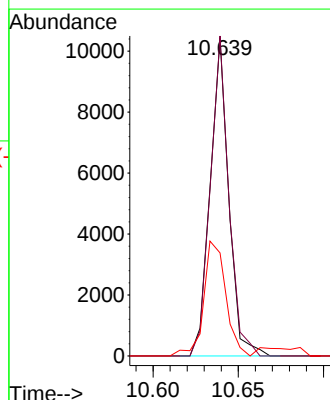
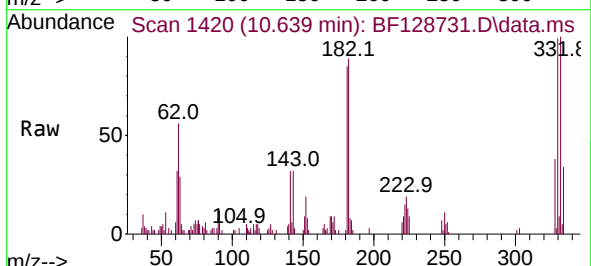
Tgt Ion:330 Resp: 7920

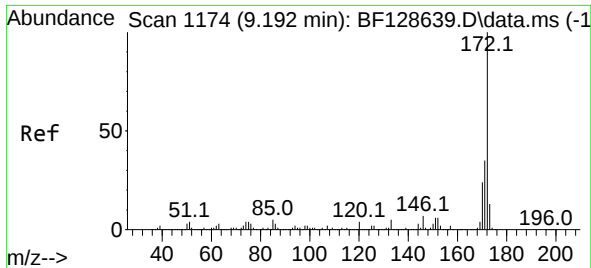
Ion Ratio Lower Upper

330 100

332 100.0 76.8 115.2

141 42.6 28.0 42.0#

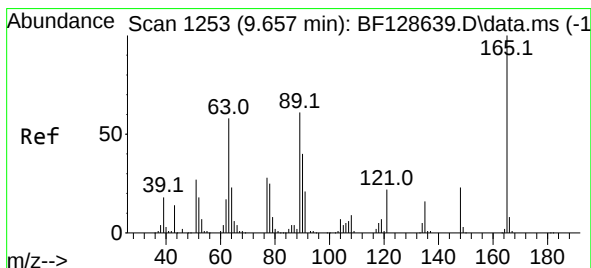
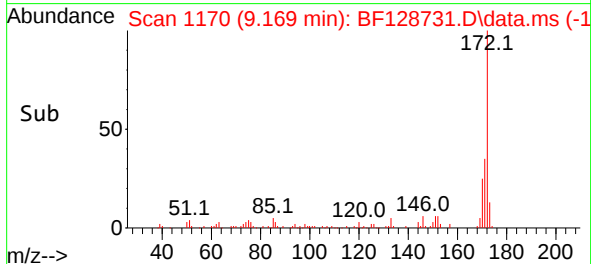
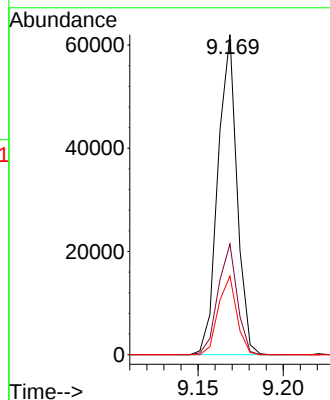
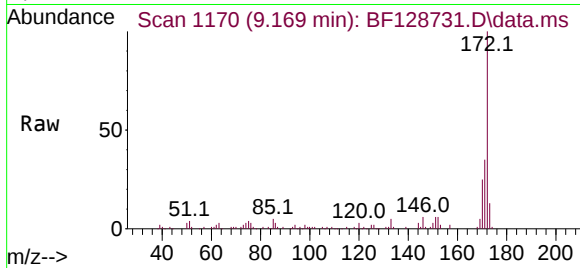




#45
2-Fluorobiphenyl
Concen: 6.389 ng
RT: 9.169 min Scan# 1174
Delta R.T. -0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

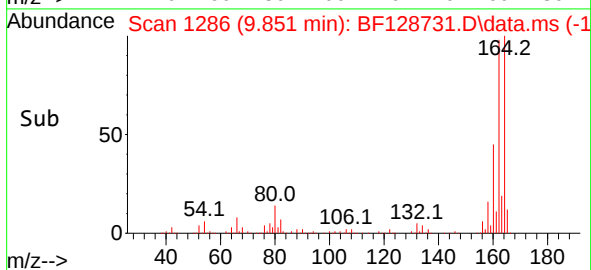
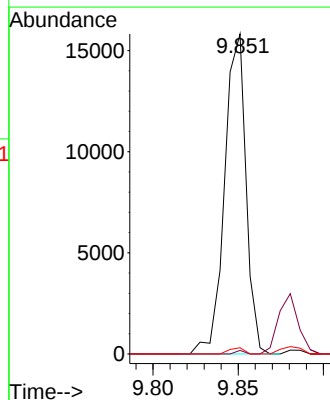
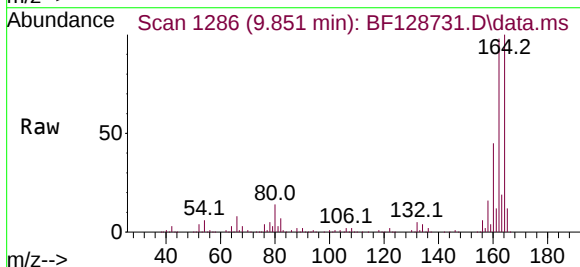
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

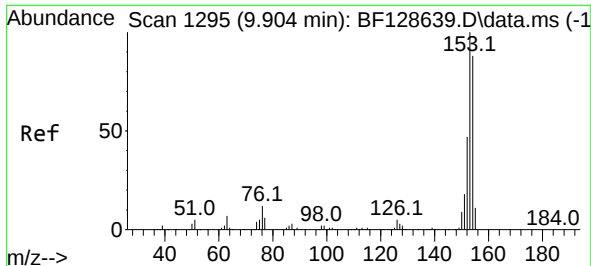
Tgt Ion:172 Resp: 48167
Ion Ratio Lower Upper
172 100
171 34.6 28.8 43.2
170 24.6 19.8 29.8



#51
2,6-Dinitrotoluene
Concen: 9.681 ng
RT: 9.851 min Scan# 1286
Delta R.T. 0.206 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

Tgt Ion:165 Resp: 13812
Ion Ratio Lower Upper
165 100
63 1.1 44.9 67.3#
89 2.0 43.6 65.4#

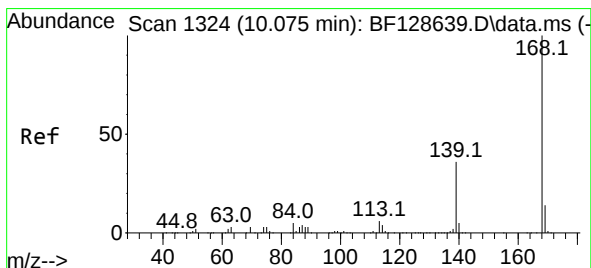
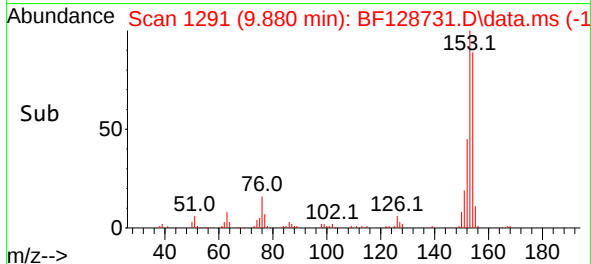
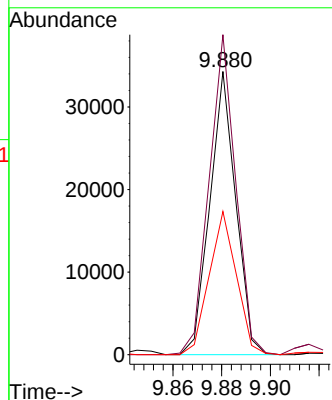
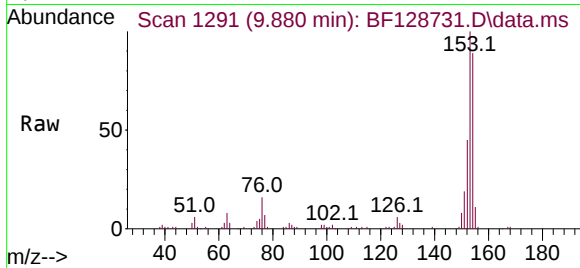




#52
Acenaphthene
Concen: 4.219 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

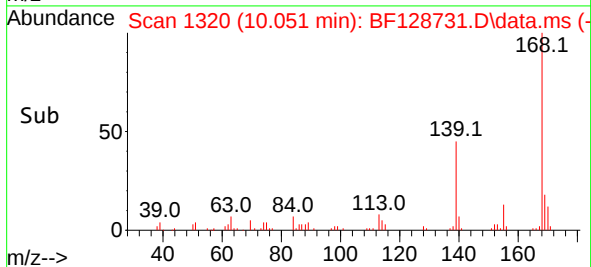
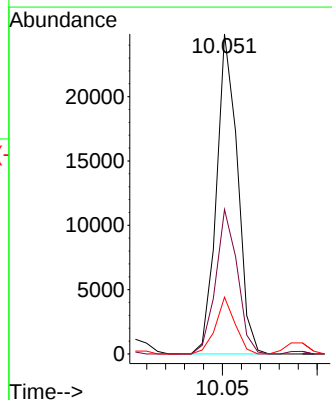
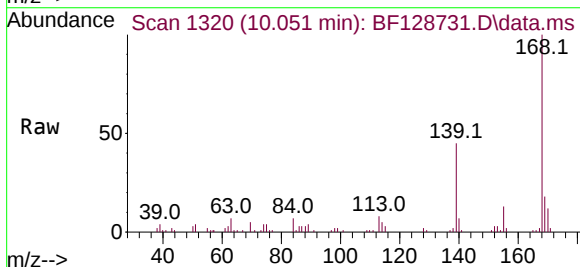
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

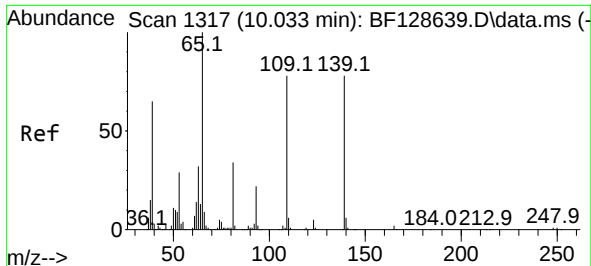
Tgt Ion:154 Resp: 25430
Ion Ratio Lower Upper
154 100
153 113.0 89.6 134.4
152 50.6 42.4 63.6



#55
Dibenzofuran
Concen: 2.214 ng
RT: 10.051 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

Tgt Ion:168 Resp: 19179
Ion Ratio Lower Upper
168 100
139 45.2 30.6 46.0
169 17.7 11.0 16.6#

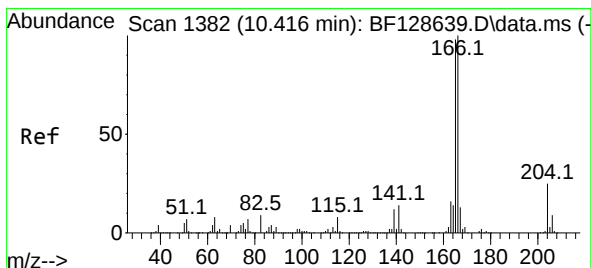
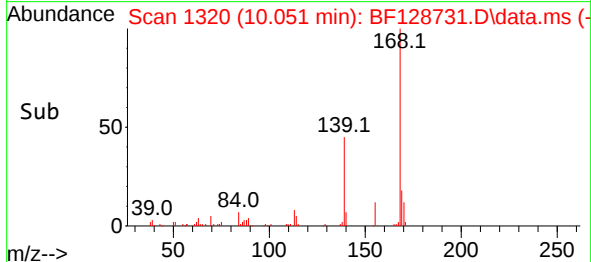
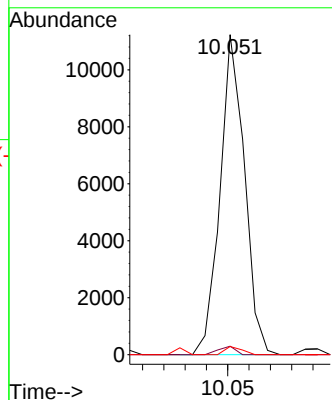
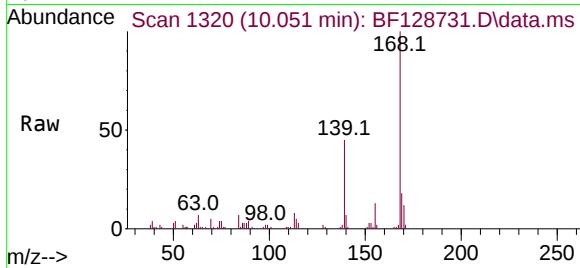




#56
4-Nitrophenol
Concen: 7.990 ng
RT: 10.051 min Scan# 11
Delta R.T. 0.041 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

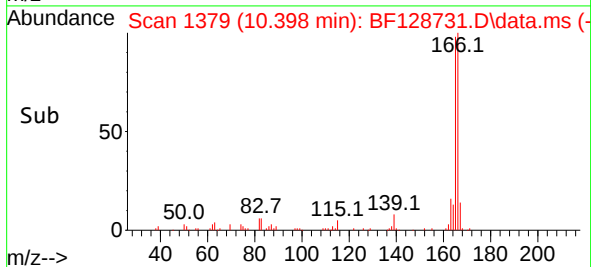
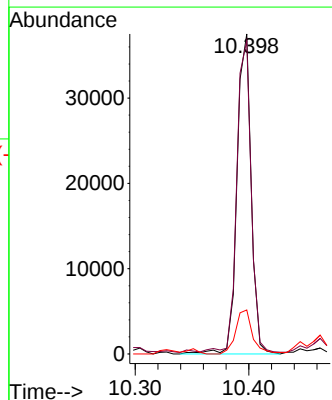
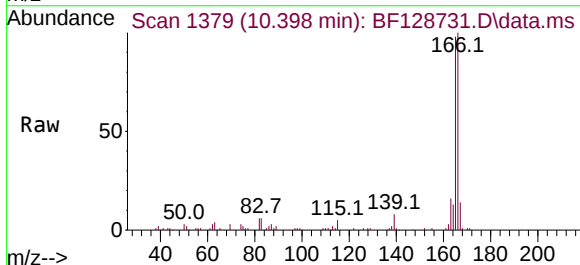
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

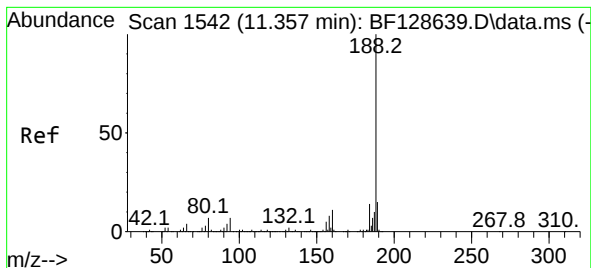
Tgt Ion:139 Resp: 8968
Ion Ratio Lower Upper
139 100
109 2.7 50.7 90.7#
65 2.5 74.5 114.5#



#58
Fluorene
Concen: 4.803 ng
RT: 10.398 min Scan# 1379
Delta R.T. -0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

Tgt Ion:166 Resp: 32272
Ion Ratio Lower Upper
166 100
165 97.8 78.1 117.1
167 13.8 10.5 15.7

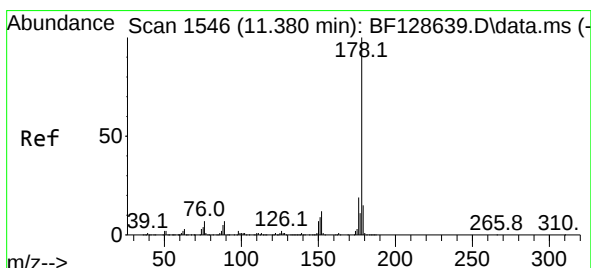
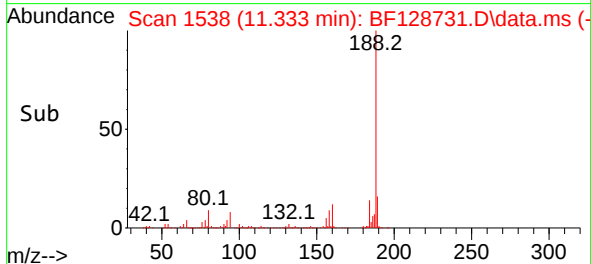
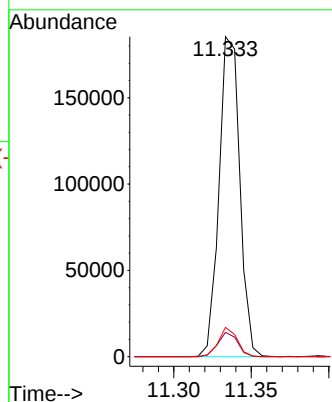
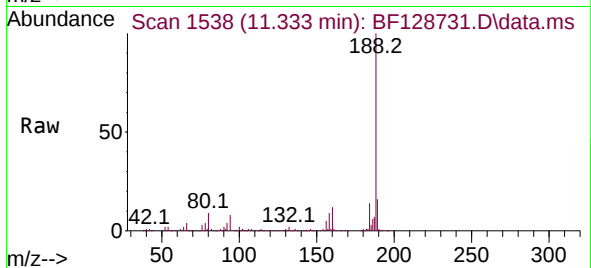




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

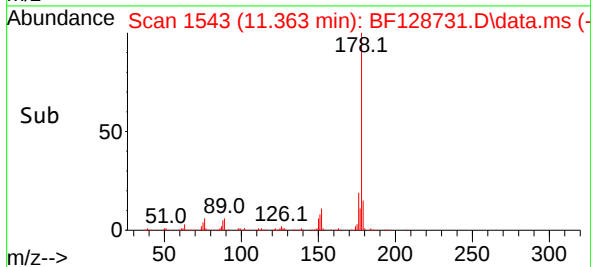
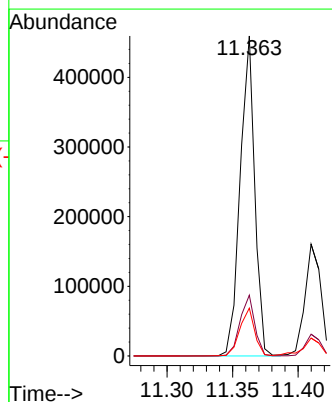
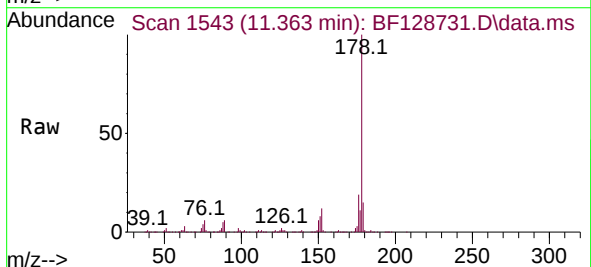
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

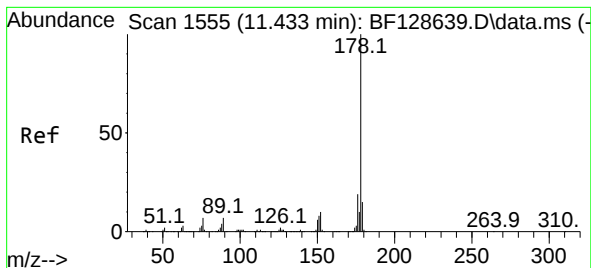
Tgt Ion:188 Resp: 172851
Ion Ratio Lower Upper
188 100
94 7.6 7.0 10.6
80 9.2 7.6 11.4



#71
Phenanthrene
Concen: 41.117 ng
RT: 11.363 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

Tgt Ion:178 Resp: 356479
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 14.9 12.6 19.0





#72

Anthracene

Concen: 15.468 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF128731.D

Acq: 08 Jun 2022 13:01

Instrument :

BNA_F

ClientSampleId :

SU-3-060322DL

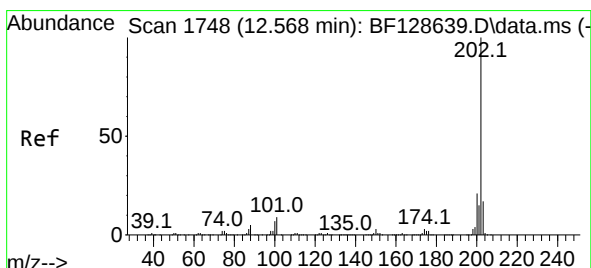
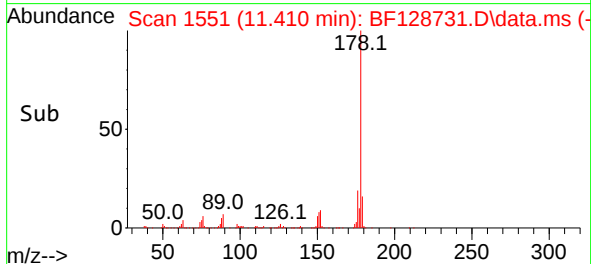
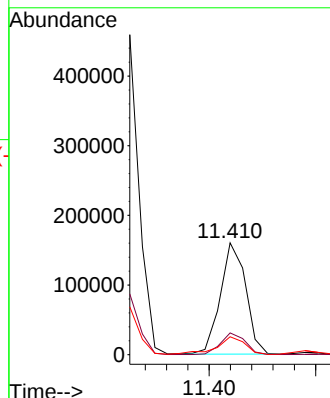
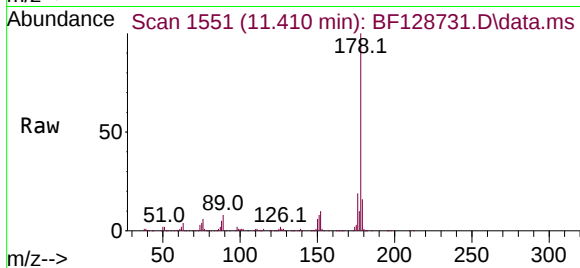
Tgt Ion:178 Resp: 132738

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 16.0 12.6 19.0



#75

Fluoranthene

Concen: 104.502 ng

RT: 12.557 min Scan# 1746

Delta R.T. -0.000 min

Lab File: BF128731.D

Acq: 08 Jun 2022 13:01

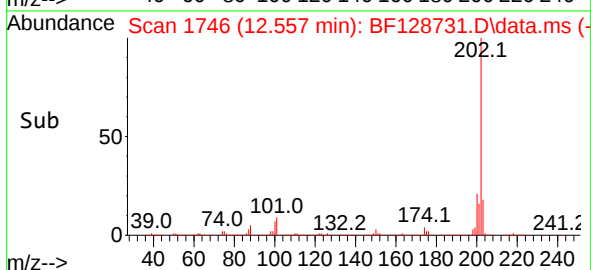
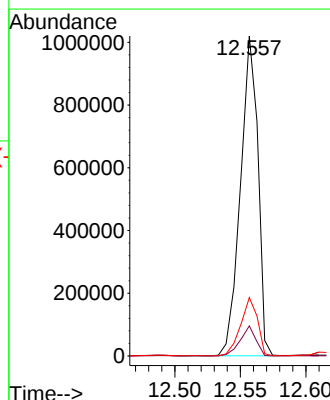
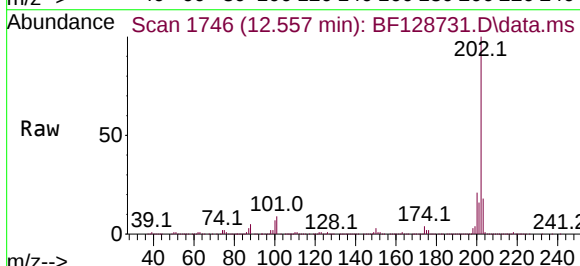
Tgt Ion:202 Resp: 947056

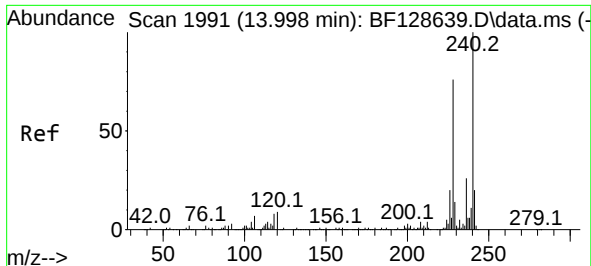
Ion Ratio Lower Upper

202 100

101 9.4 0.0 31.4

203 18.3 0.0 38.0

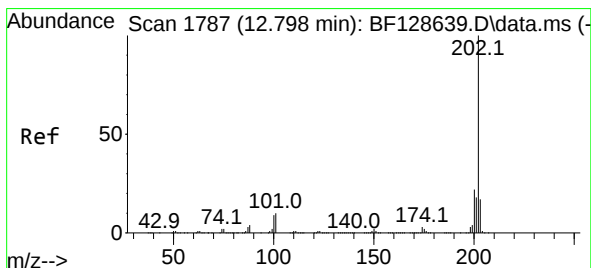
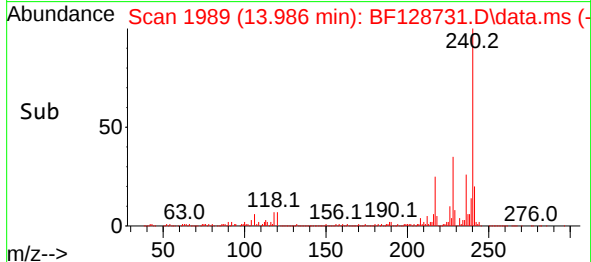
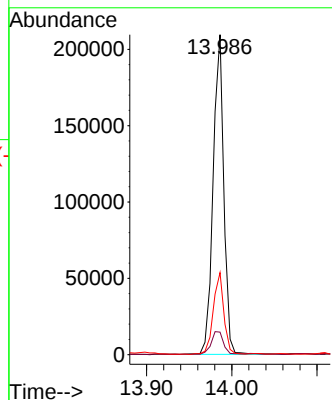
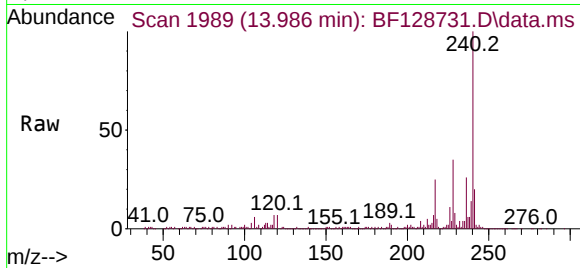




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

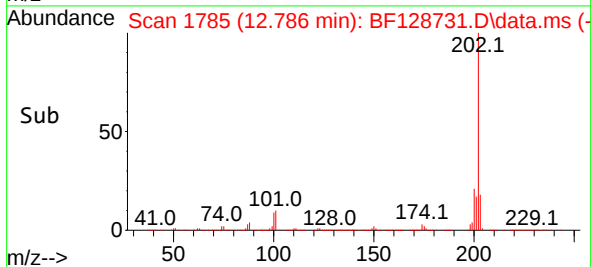
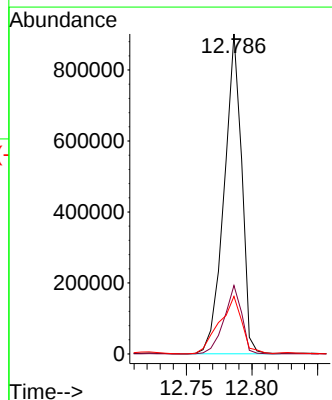
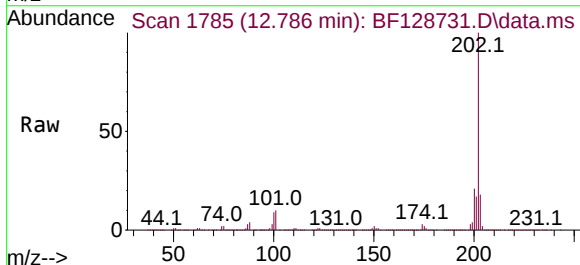
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

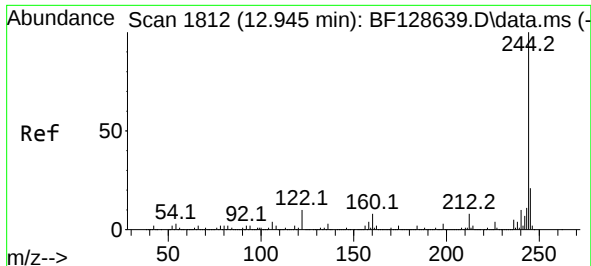
Tgt Ion:240 Resp: 182553
Ion Ratio Lower Upper
240 100
120 7.1 8.9 13.3#
236 25.7 20.8 31.2



#78
Pyrene
Concen: 61.520 ng
RT: 12.786 min Scan# 1785
Delta R.T. -0.000 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

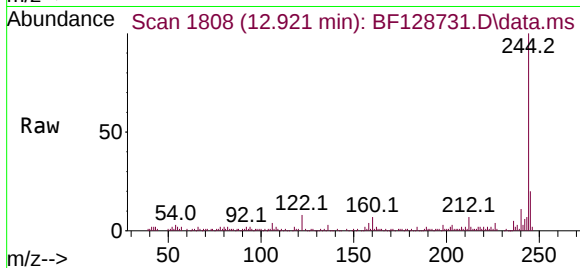
Tgt Ion:202 Resp: 835559
Ion Ratio Lower Upper
202 100
200 21.4 17.7 26.5
203 18.0 14.6 21.8



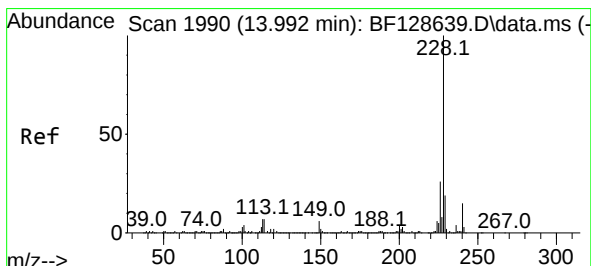
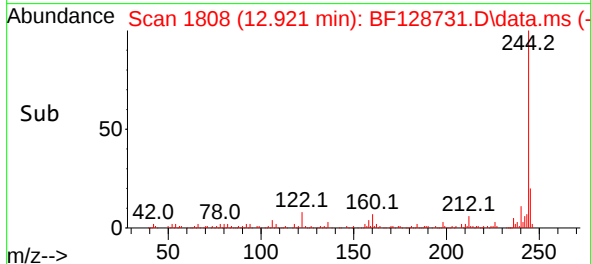
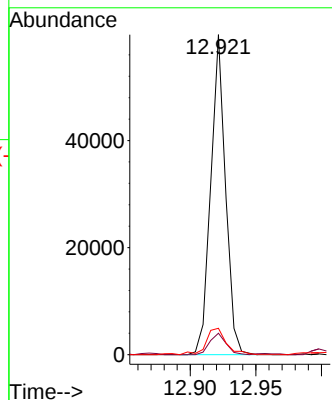


#79
 Terphenyl-d14
 Concen: 4.473 ng
 RT: 12.921 min Scan# 1808
 Delta R.T. -0.012 min
 Lab File: BF128731.D
 Acq: 08 Jun 2022 13:01

Instrument :
 BNA_F
 ClientSampleId :
 SU-3-060322DL

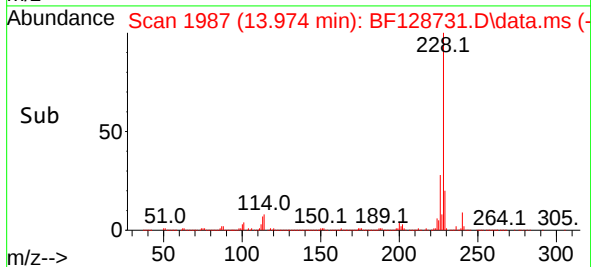
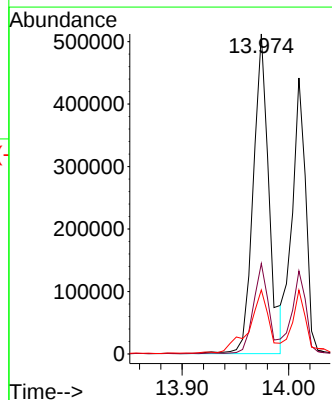
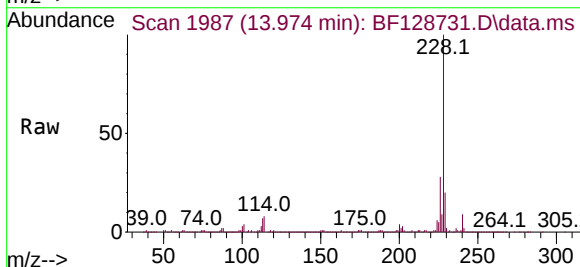


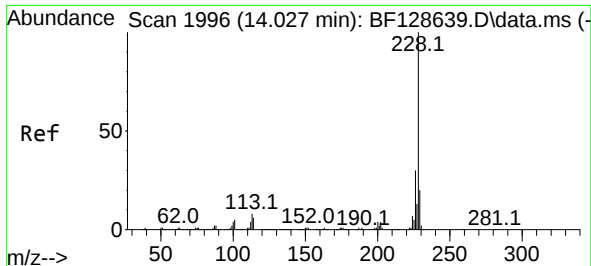
Tgt Ion:244 Resp: 46991
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.1 9.1
 122 8.2 8.8 13.2#



#81
 Benzo(a)anthracene
 Concen: 45.891 ng
 RT: 13.974 min Scan# 1987
 Delta R.T. -0.000 min
 Lab File: BF128731.D
 Acq: 08 Jun 2022 13:01

Tgt Ion:228 Resp: 522206
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.1 33.1
 229 20.0 15.8 23.8

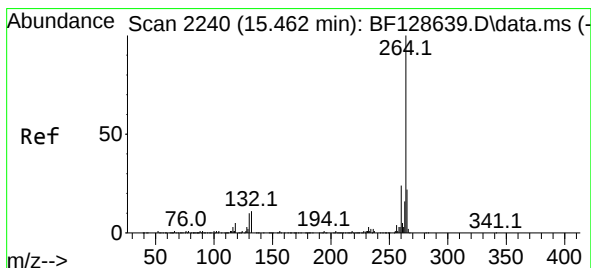
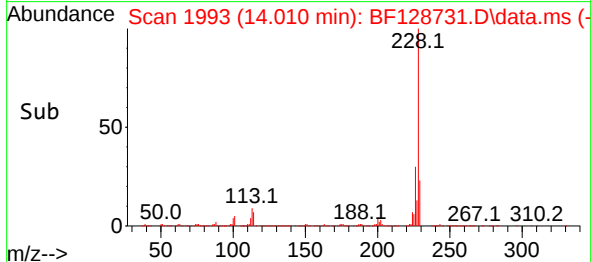
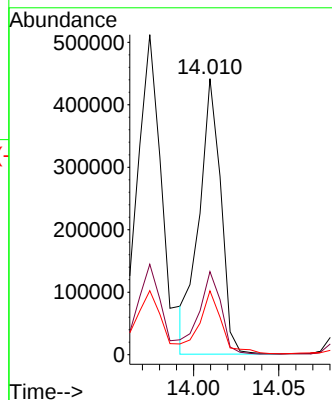
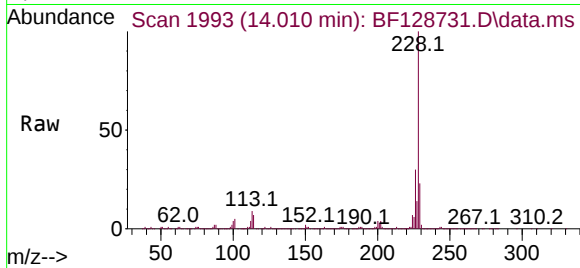




#83
Chrysene
Concen: 36.017 ng
RT: 14.010 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

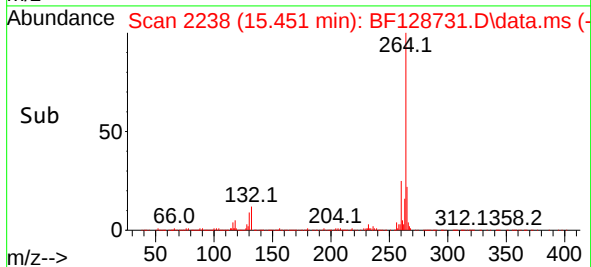
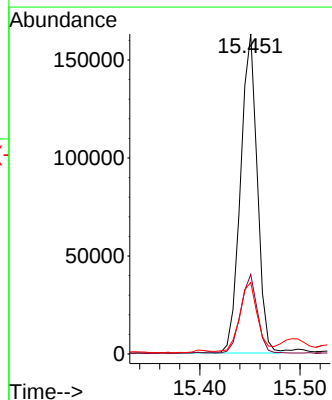
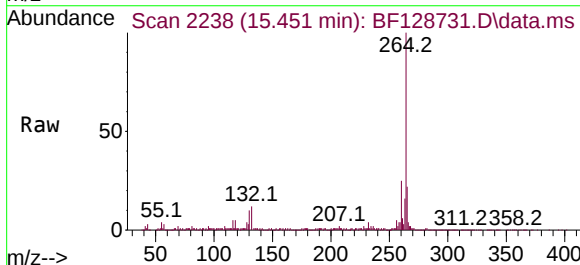
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

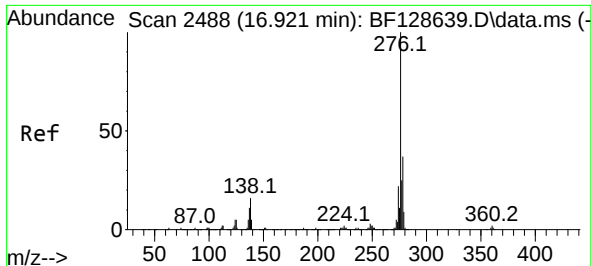
Tgt Ion:228 Resp: 390736
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 23.1 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2238
Delta R.T. 0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

Tgt Ion:264 Resp: 189544
Ion Ratio Lower Upper
264 100
260 24.8 18.4 27.6
265 22.4 17.2 25.8

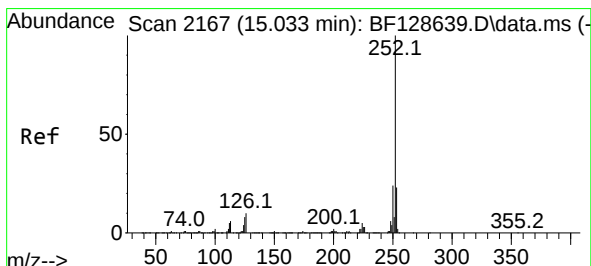
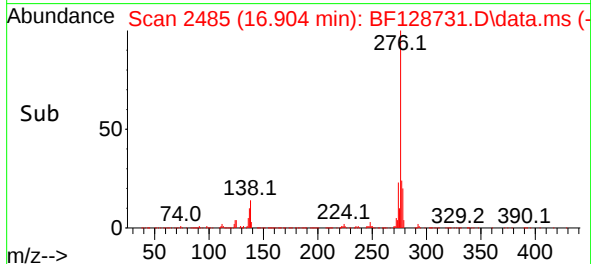
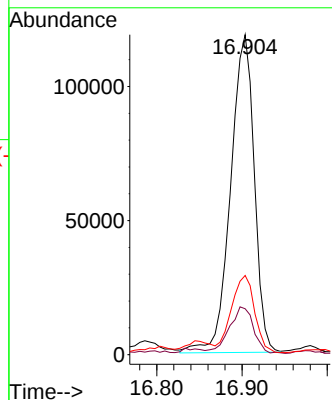
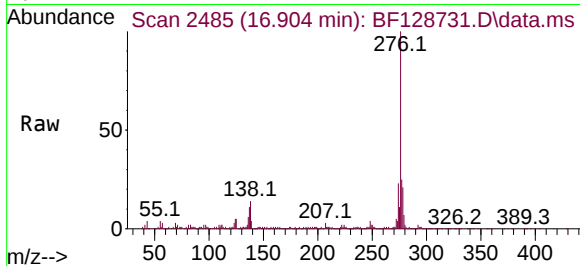




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.066 ng
RT: 16.904 min Scan# 2485
Delta R.T. 0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

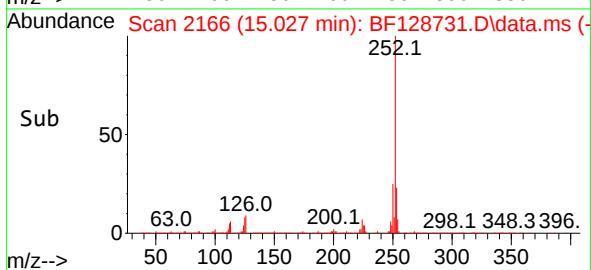
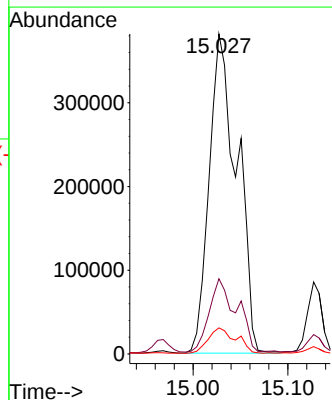
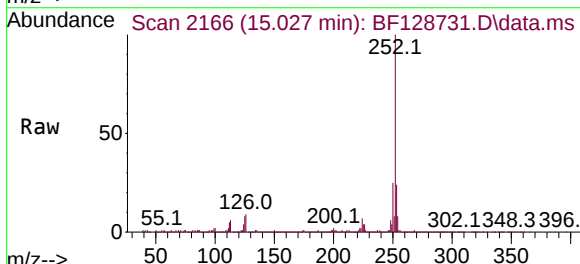
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

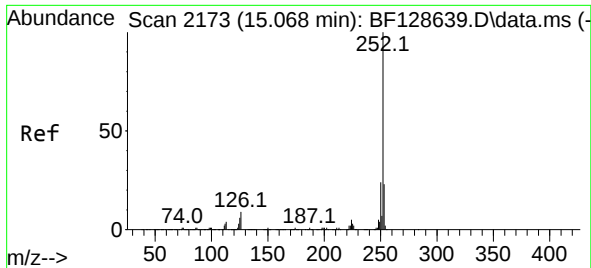
Tgt Ion:276 Resp: 229240
Ion Ratio Lower Upper
276 100
138 15.1 21.1 31.7#
277 23.7 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 64.461 ng
RT: 15.027 min Scan# 2166
Delta R.T. 0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

Tgt Ion:252 Resp: 780724
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 8.1 8.0 12.0

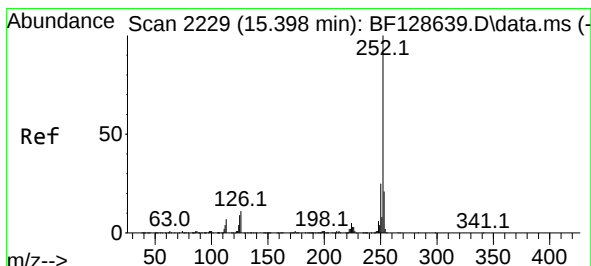
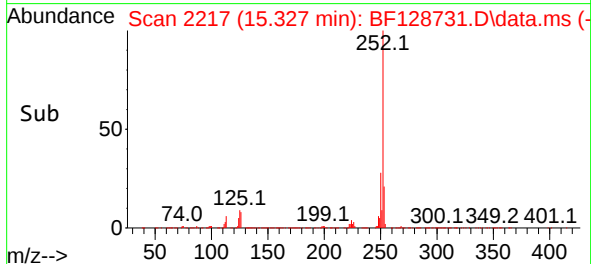
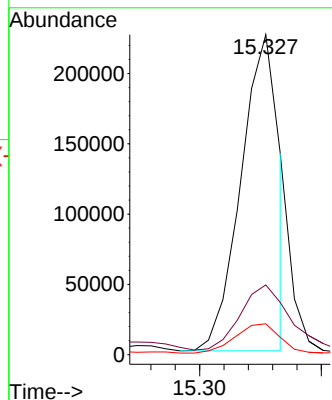
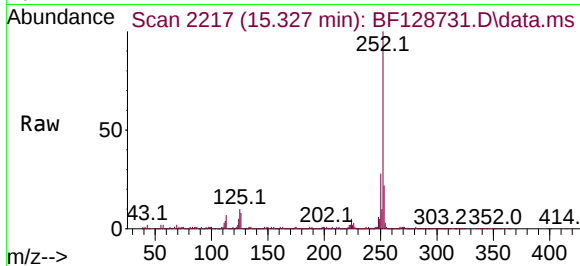




#89
Benzo(k)fluoranthene
Concen: 21.549 ng
RT: 15.327 min Scan# 2173
Delta R.T. 0.276 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

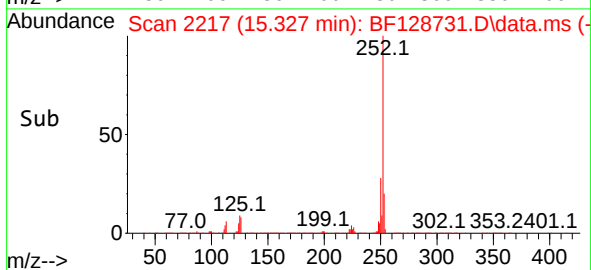
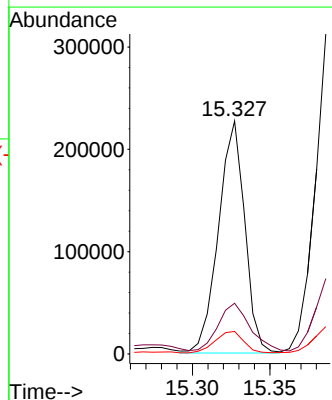
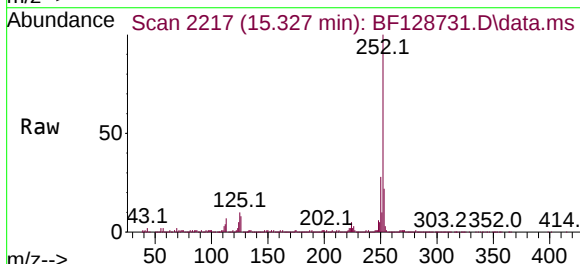
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

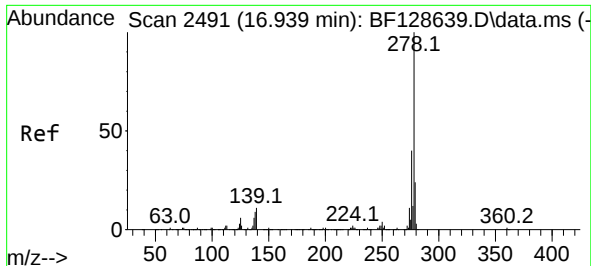
Tgt Ion:252 Resp: 245513
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.6
125 9.7 8.3 12.5



#90
Benzo(a)pyrene
Concen: 28.141 ng
RT: 15.327 min Scan# 2217
Delta R.T. -0.059 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

Tgt Ion:252 Resp: 267882
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.6
125 9.7 8.8 13.2

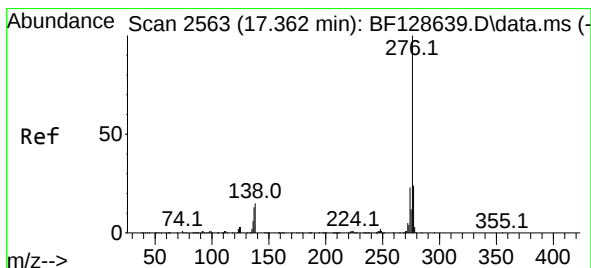
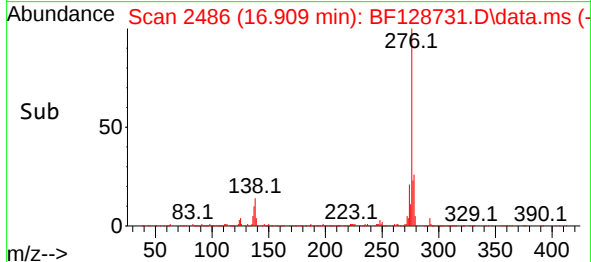
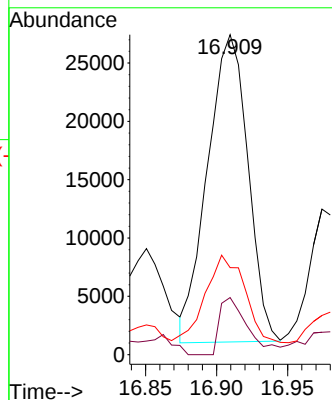
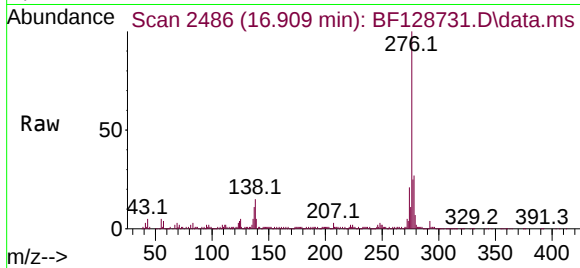




#91
Dibenzo(a,h)anthracene
Concen: 5.501 ng
RT: 16.909 min Scan# 2491
Delta R.T. -0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

Tgt Ion:278 Resp: 52132
Ion Ratio Lower Upper
278 100
139 17.8 12.8 19.2
279 27.2 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 21.424 ng
RT: 17.345 min Scan# 2560
Delta R.T. 0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

Tgt Ion:276 Resp: 201208
Ion Ratio Lower Upper
276 100
277 23.6 19.1 28.7
138 14.1 18.0 27.0#

