

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060822\
 Data File : BF128736.D
 Acq On : 08 Jun 2022 15:31
 Operator : CG\JU
 Sample : N3197-01DL 20X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-3-060322DL

Quant Time: Jun 08 15:50:15 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)

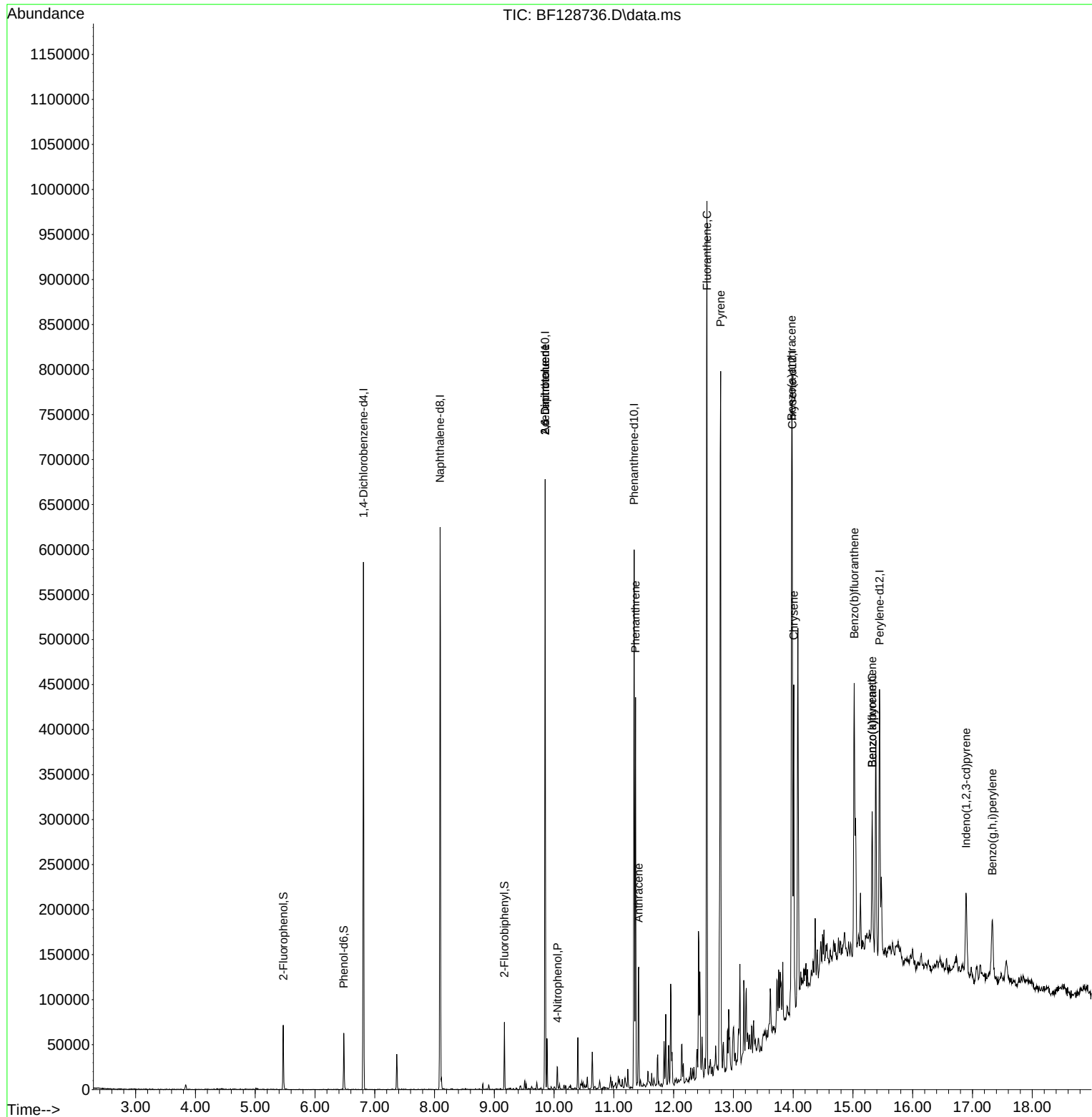
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	72727	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	246972	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	118618	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	193550	20.000	ng	# 0.00
76) Chrysene-d12	13.986	240	177839	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	140618	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	15244	3.339	ng	0.01
7) Phenol-d6	6.481	99	16368	2.937	ng	0.00
23) Nitrobenzene-d5	7.369	82	10519	1.983	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	2784	1.986	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	18544	2.190	ng	0.00
79) Terphenyl-d14	12.921	244	18227	1.781	ng	-0.01
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.851	165	15175	9.470	ng	# 26
56) 4-Nitrophenol	10.057	139	3178	2.521	ng	# 8
57) 2,4-Dinitrotoluene	9.851	165	15175	7.096	ng	# 21
71) Phenanthrene	11.363	178	138186	14.234	ng	99
72) Anthracene	11.416	178	51246	5.333	ng	99
75) Fluoranthene	12.557	202	368145	36.278	ng	95
78) Pyrene	12.786	202	321312	24.285	ng	99
81) Benzo(a)anthracene	13.974	228	170482	15.379	ng	99
83) Chrysene	14.010	228	130750	12.372	ng	98
87) Indeno(1,2,3-cd)pyrene	16.892	276	57726	6.811	ng	# 90
88) Benzo(b)fluoranthene	15.021	252	215866	24.024	ng	# 98
89) Benzo(k)fluoranthene	15.321	252	59431	7.031	ng	97
90) Benzo(a)pyrene	15.321	252	68860	9.751	ng	95
92) Benzo(g,h,i)perylene	17.333	276	54091	7.763	ng	96

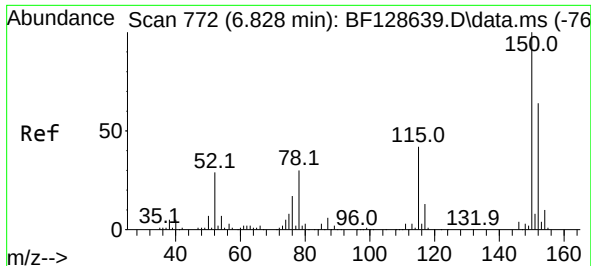
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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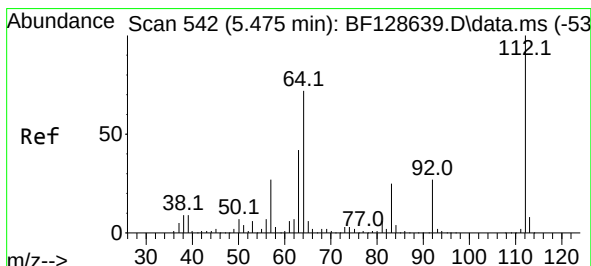
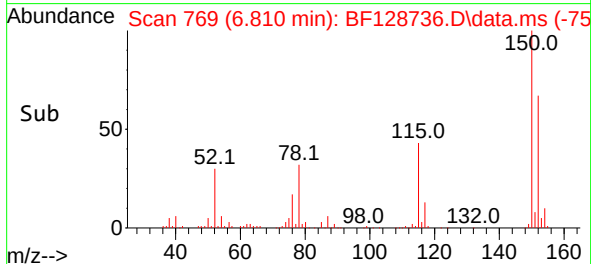
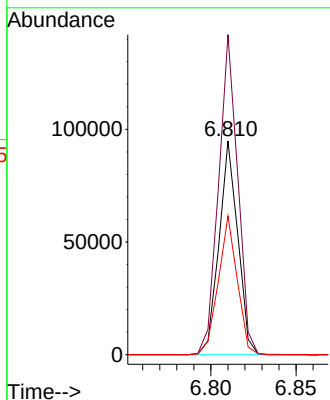
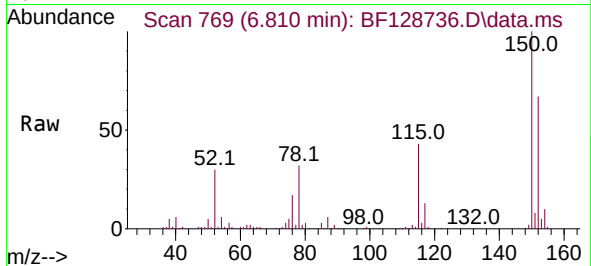




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

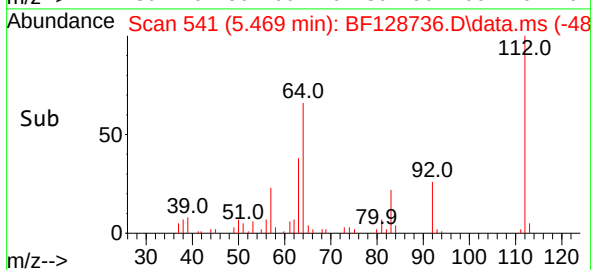
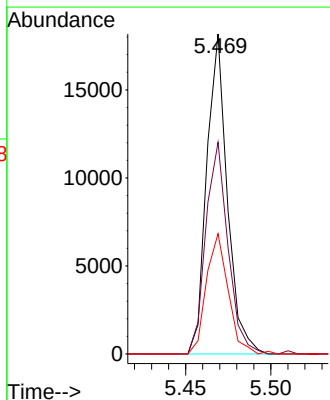
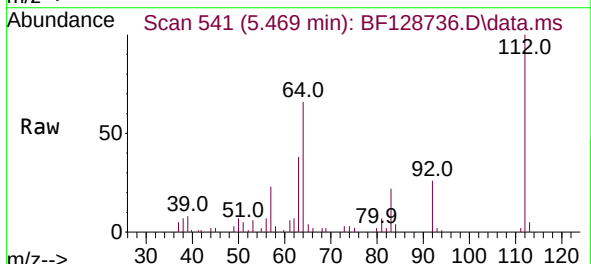
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

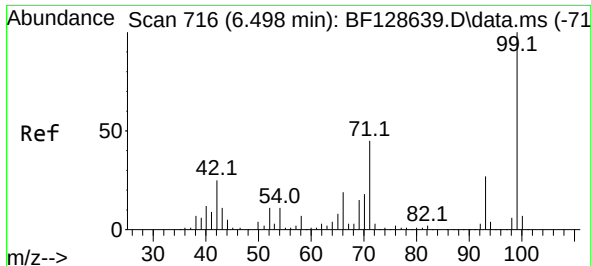
Tgt Ion:152 Resp: 72727
Ion Ratio Lower Upper
152 100
150 149.7 123.7 185.5
115 64.9 49.9 74.9



#5
2-Fluorophenol
Concen: 3.339 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.012 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

Tgt Ion:112 Resp: 15244
Ion Ratio Lower Upper
112 100
64 66.2 53.3 79.9
63 37.6 28.0 42.0

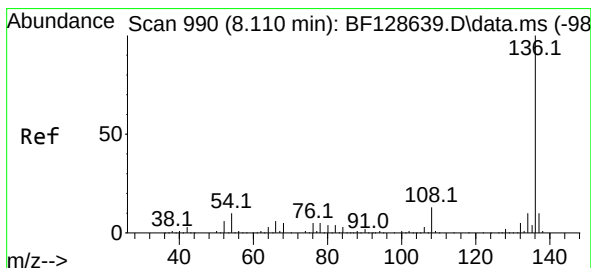
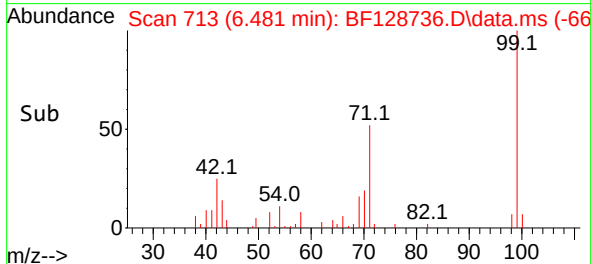
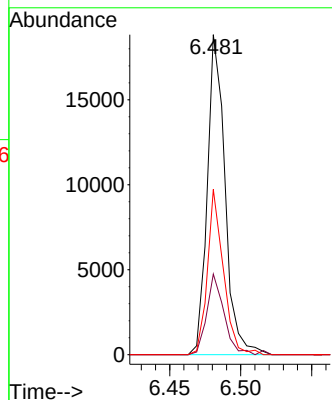
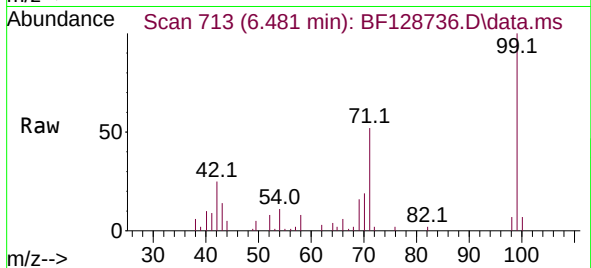




#7
Phenol-d6
Concen: 2.937 ng
RT: 6.481 min Scan# 716
Delta R.T. -0.000 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

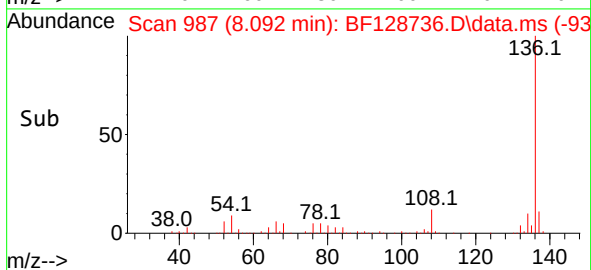
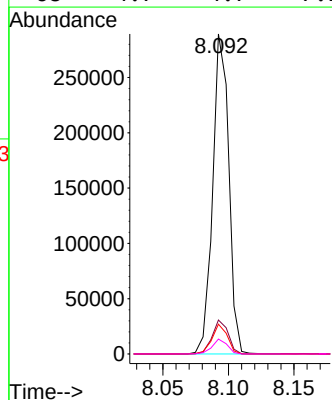
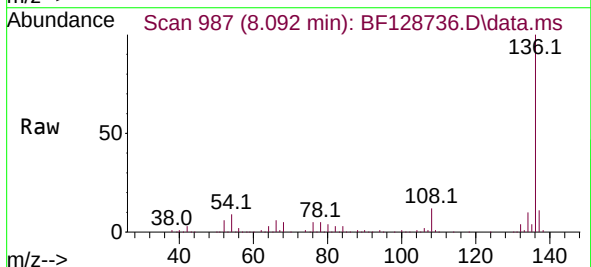
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

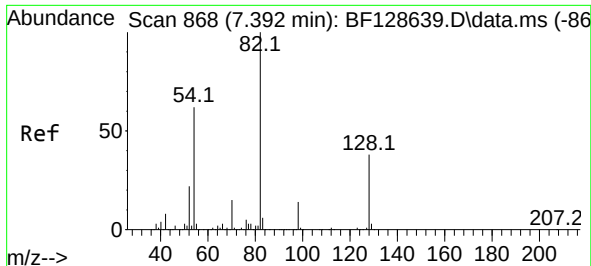
Tgt Ion: 99 Resp: 16368
Ion Ratio Lower Upper
99 100
42 25.2 17.3 25.9
71 51.7 28.9 43.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

Tgt Ion: 136 Resp: 246972
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 9.3 7.5 11.3
68 4.7 4.7 7.1#





#23

Nitrobenzene-d5

Concen: 1.983 ng

RT: 7.369 min Scan# 864

Delta R.T. -0.012 min

Lab File: BF128736.D

Acq: 08 Jun 2022 15:31

Instrument :

BNA_F

ClientSampleId :

SU-3-060322DL

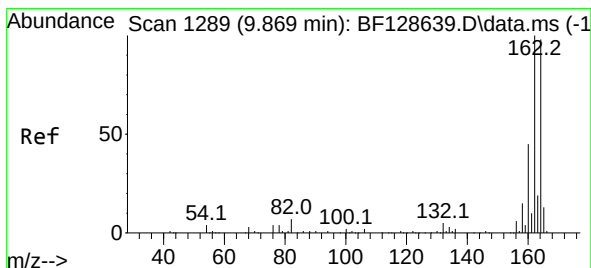
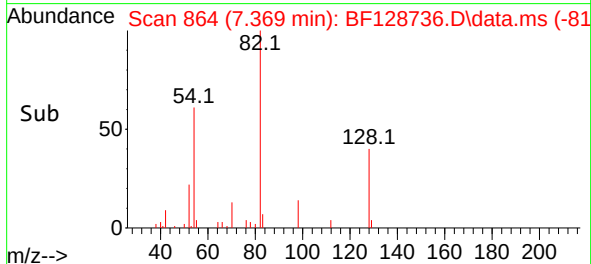
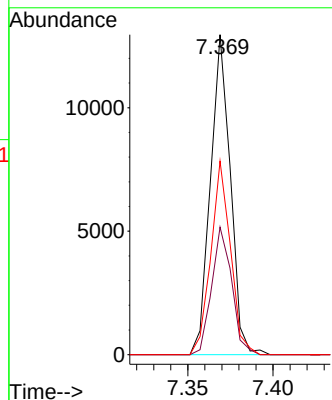
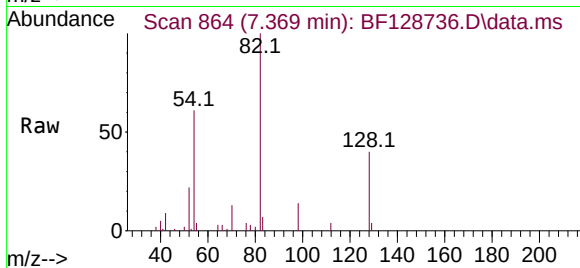
Tgt Ion: 82 Resp: 10519

Ion Ratio Lower Upper

82 100

128 39.8 34.0 51.0

54 60.5 46.9 70.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 1286

Delta R.T. -0.006 min

Lab File: BF128736.D

Acq: 08 Jun 2022 15:31

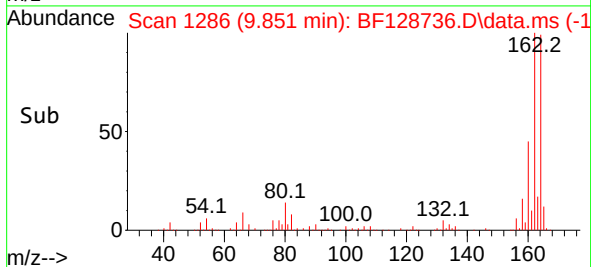
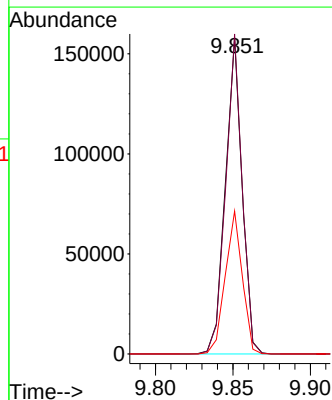
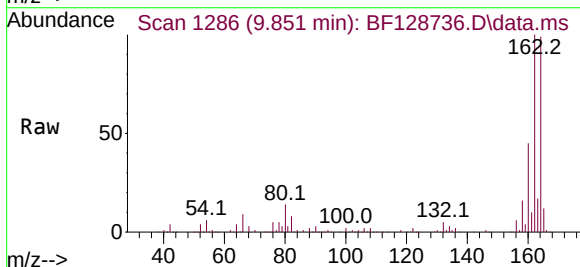
Tgt Ion: 164 Resp: 118618

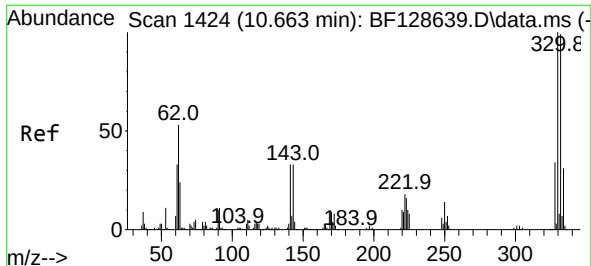
Ion Ratio Lower Upper

164 100

162 101.2 79.5 119.3

160 45.2 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 1.986 ng

RT: 10.639 min Scan# 1424

Delta R.T. -0.012 min

Lab File: BF128736.D

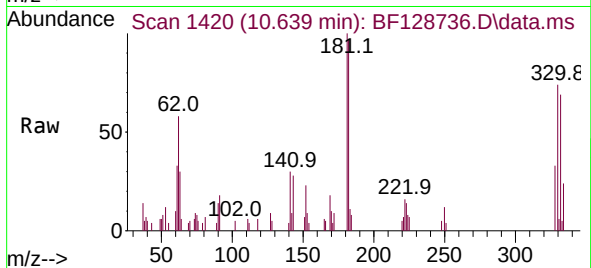
Acq: 08 Jun 2022 15:31

Instrument :

BNA_F

ClientSampleId :

SU-3-060322DL



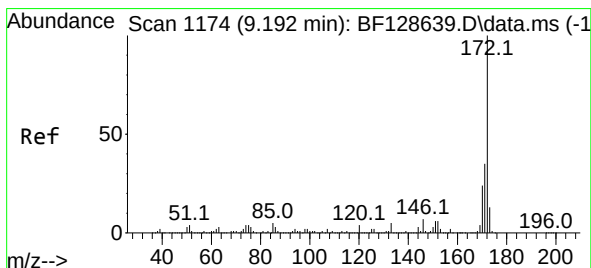
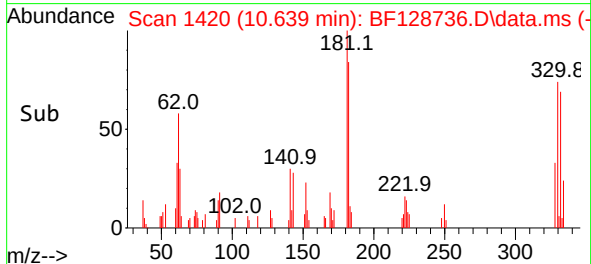
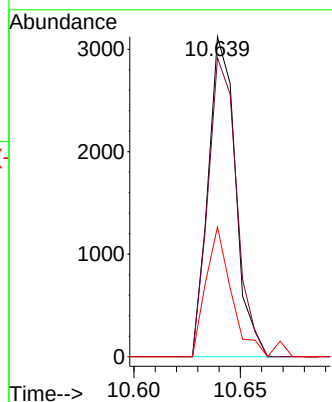
Tgt Ion:330 Resp: 2784

Ion Ratio Lower Upper

330 100

332 97.4 76.8 115.2

141 39.5 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 2.190 ng

RT: 9.169 min Scan# 1170

Delta R.T. -0.006 min

Lab File: BF128736.D

Acq: 08 Jun 2022 15:31

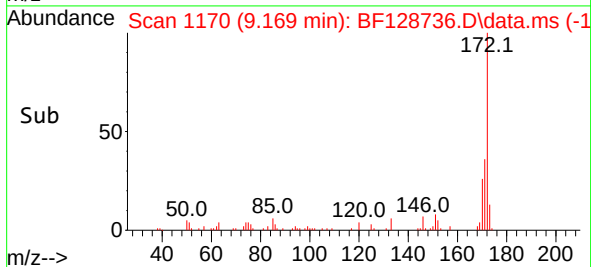
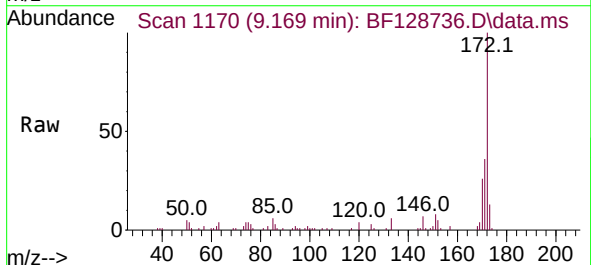
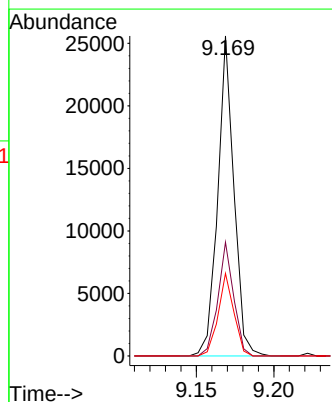
Tgt Ion:172 Resp: 18544

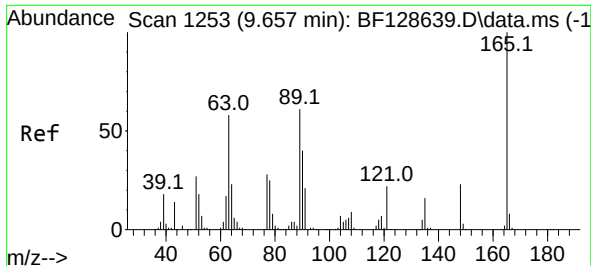
Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 25.8 19.8 29.8

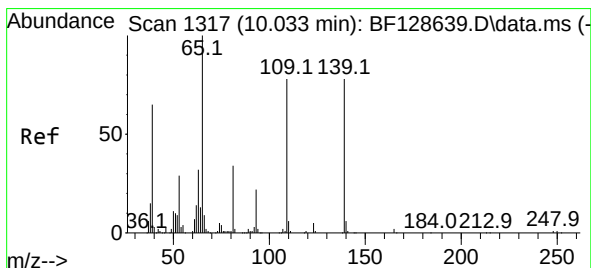
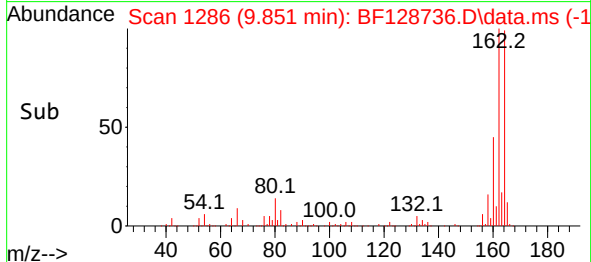
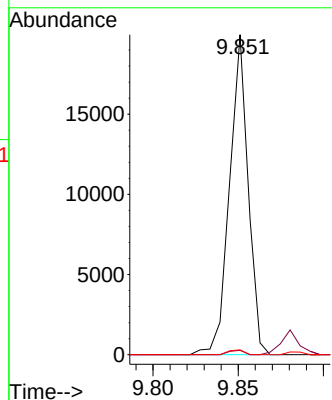
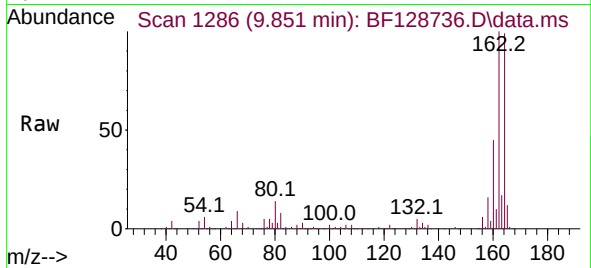




#51
2,6-Dinitrotoluene
Concen: 9.470 ng
RT: 9.851 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

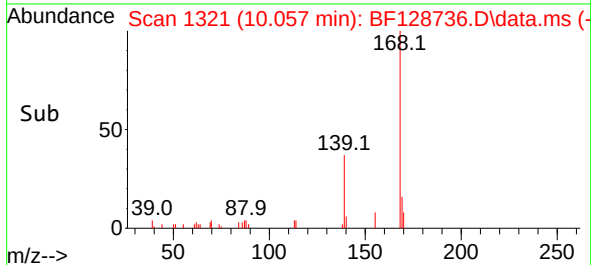
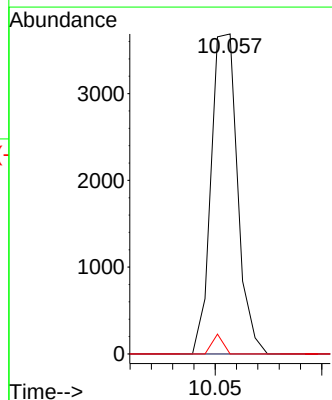
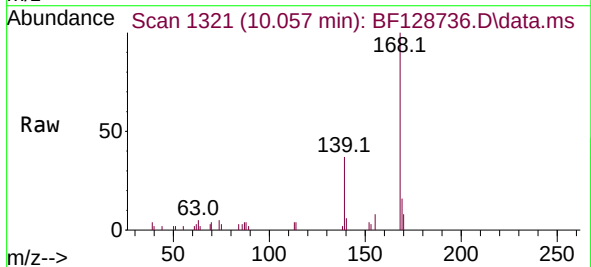
Instrument :
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ClientSampleId :
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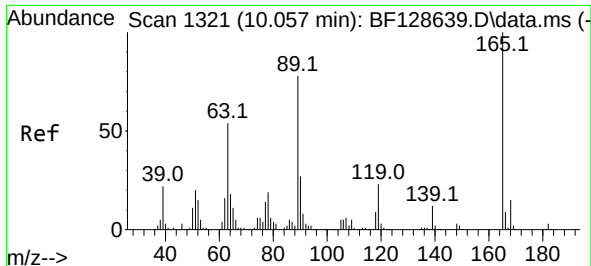
Tgt Ion:165 Resp: 15175
Ion Ratio Lower Upper
165 100
63 1.3 44.9 67.3#
89 1.5 43.6 65.4#



#56
4-Nitrophenol
Concen: 2.521 ng
RT: 10.057 min Scan# 1321
Delta R.T. 0.047 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

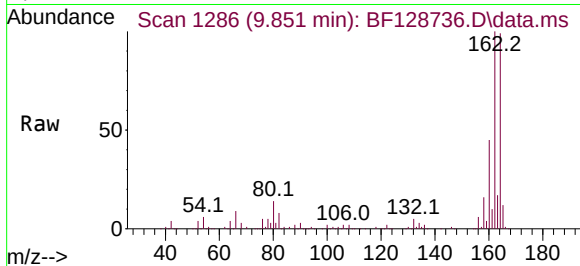
Tgt Ion:139 Resp: 3178
Ion Ratio Lower Upper
139 100
109 0.0 50.7 90.7#
65 0.0 74.5 114.5#



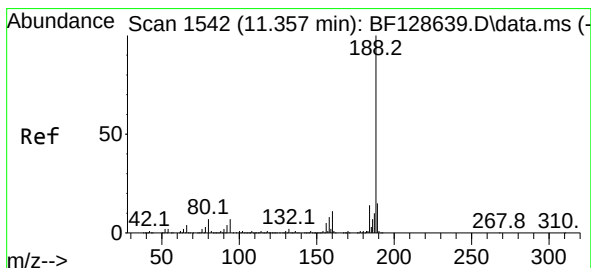
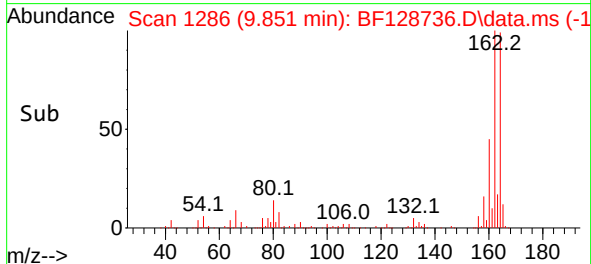
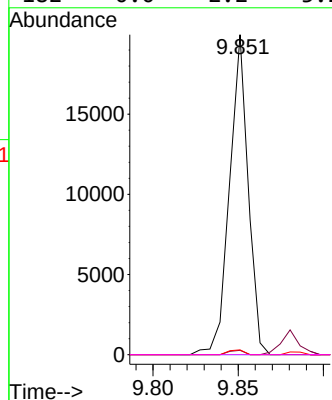


#57
2,4-Dinitrotoluene
Concen: 7.096 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

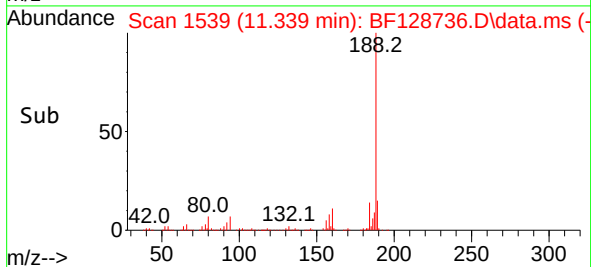
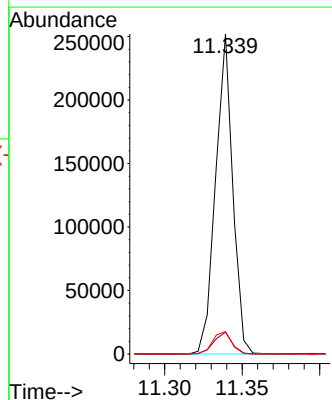
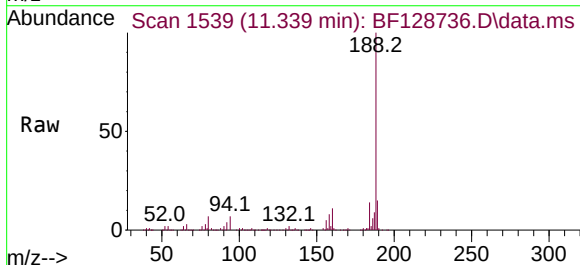


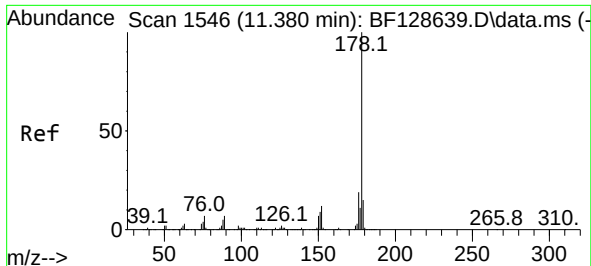
Tgt Ion:165 Resp: 15175
Ion Ratio Lower Upper
165 100
63 1.3 39.8 59.6#
89 1.5 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

Tgt Ion:188 Resp: 193550
Ion Ratio Lower Upper
188 100
94 6.8 7.0 10.6#
80 7.0 7.6 11.4#

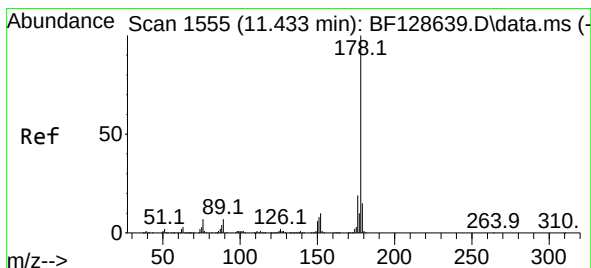
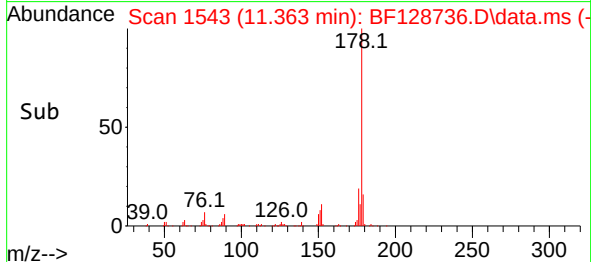
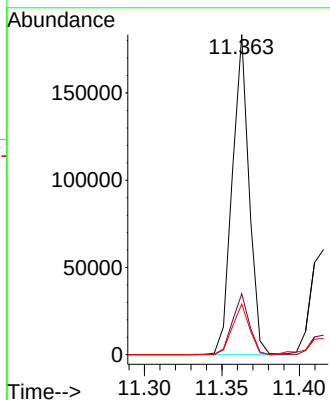
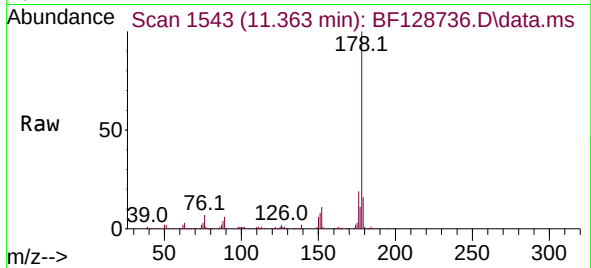




#71
Phenanthrene
Concen: 14.234 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

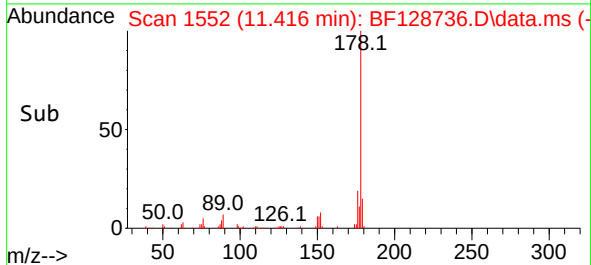
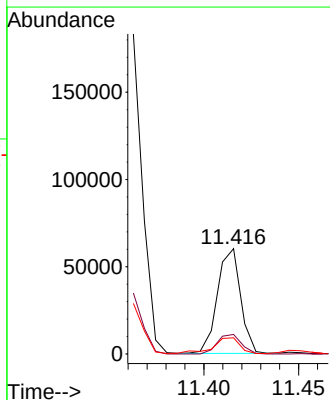
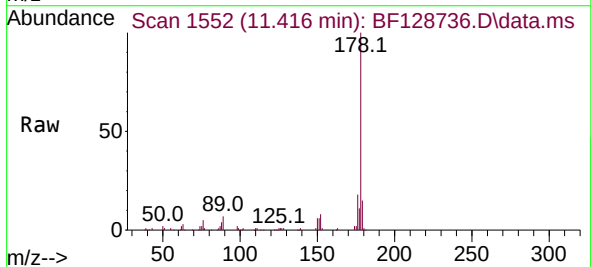
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

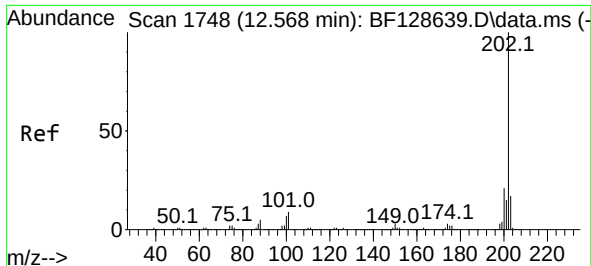
Tgt Ion:178 Resp: 138186
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.8 12.6 19.0



#72
Anthracene
Concen: 5.333 ng
RT: 11.416 min Scan# 1552
Delta R.T. -0.006 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

Tgt Ion:178 Resp: 51246
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 15.4 12.6 19.0

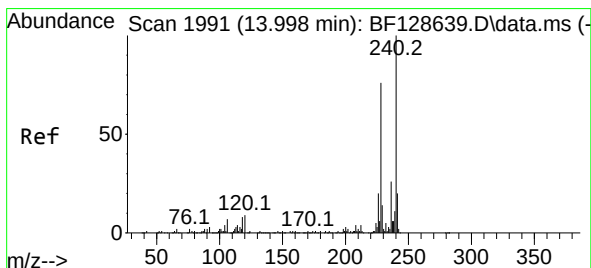
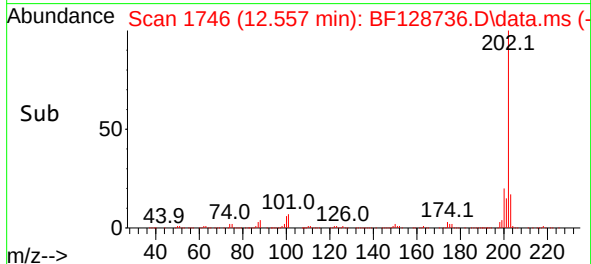
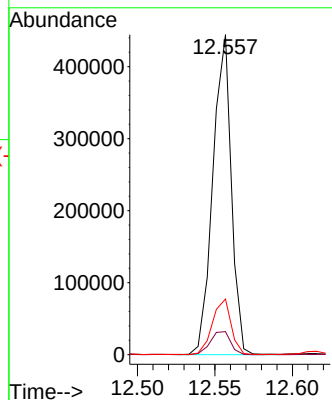
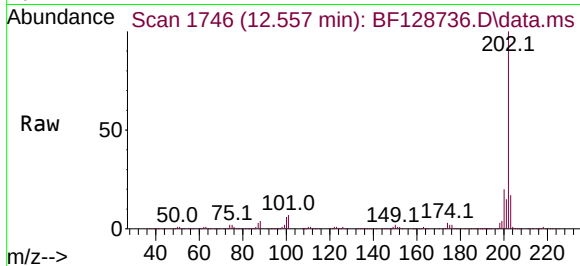




#75
Fluoranthene
Concen: 36.278 ng
RT: 12.557 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

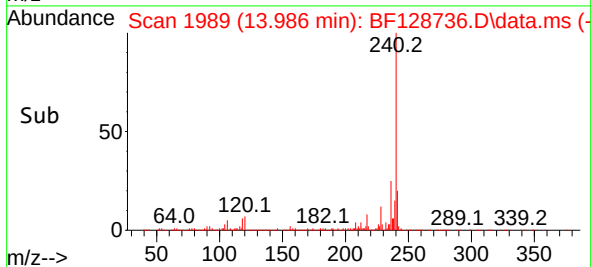
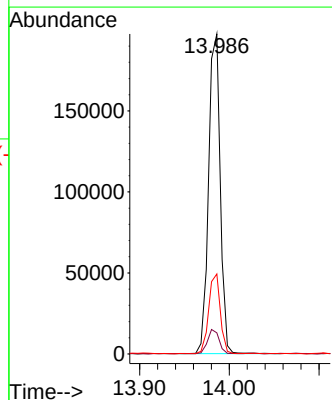
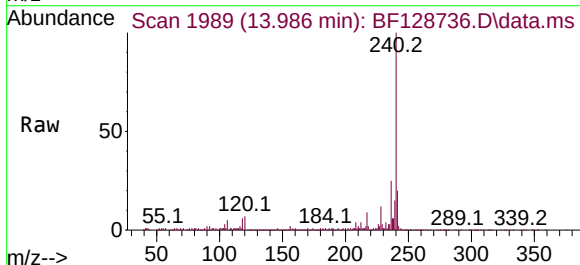
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

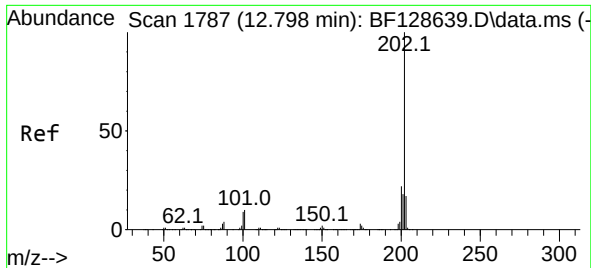
Tgt Ion:202 Resp: 368145
Ion Ratio Lower Upper
202 100
101 7.2 0.0 31.4
203 17.4 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 1989
Delta R.T. -0.000 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

Tgt Ion:240 Resp: 177839
Ion Ratio Lower Upper
240 100
120 6.6 8.9 13.3#
236 25.0 20.8 31.2

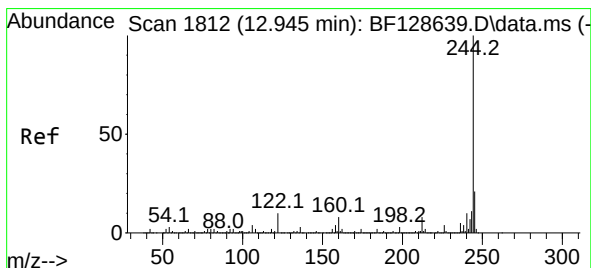
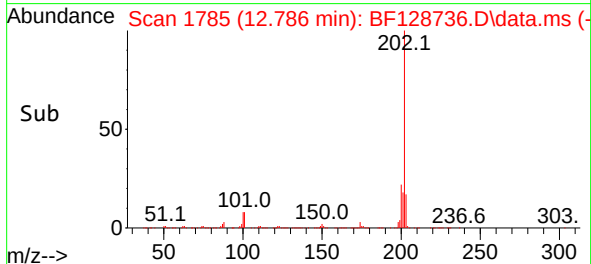
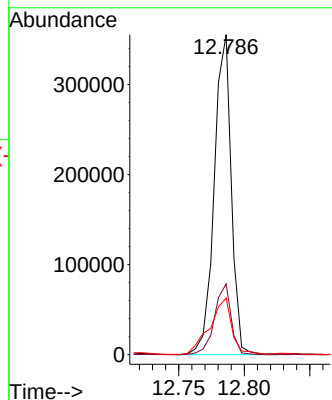
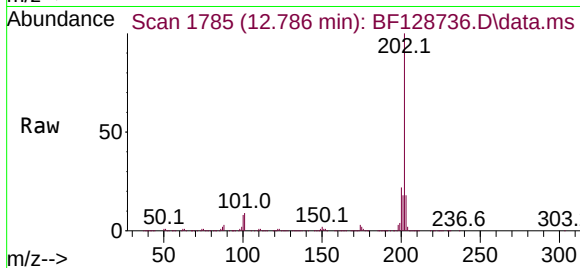




#78
Pyrene
Concen: 24.285 ng
RT: 12.786 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

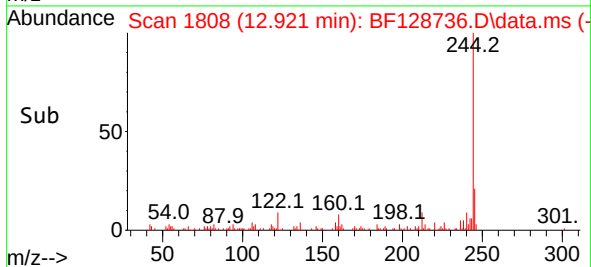
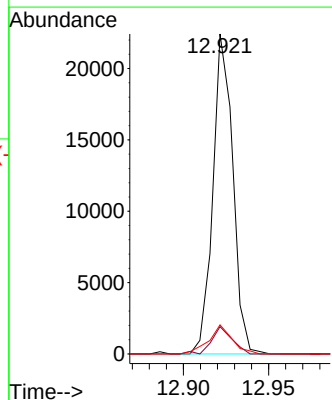
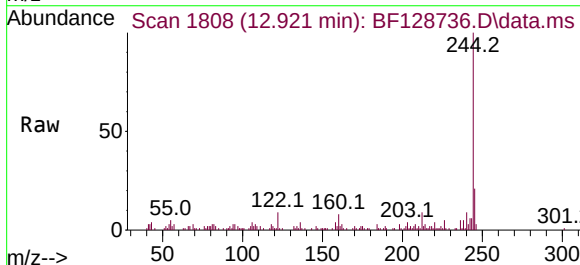
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

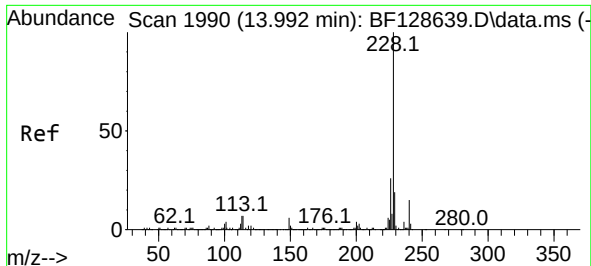
Tgt Ion:202 Resp: 321312
Ion Ratio Lower Upper
202 100
200 22.1 17.7 26.5
203 17.7 14.6 21.8



#79
Terphenyl-d14
Concen: 1.781 ng
RT: 12.921 min Scan# 1808
Delta R.T. -0.012 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

Tgt Ion:244 Resp: 18227
Ion Ratio Lower Upper
244 100
212 8.5 6.1 9.1
122 9.1 8.8 13.2

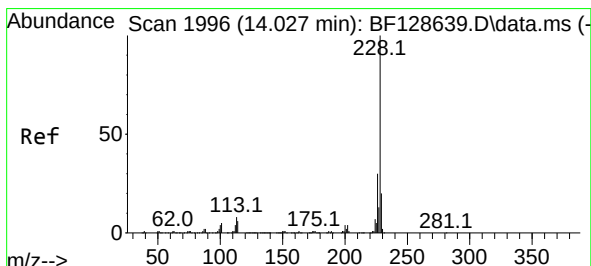
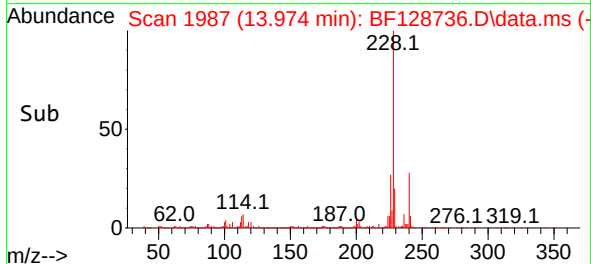
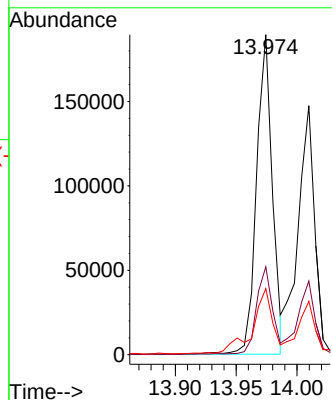
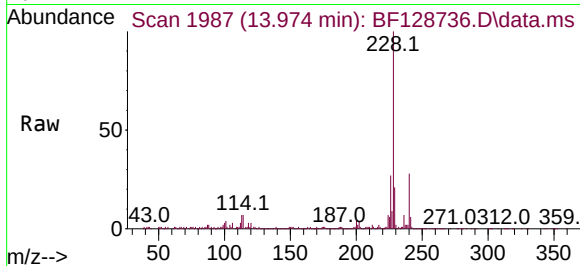




#81
Benzo(a)anthracene
Concen: 15.379 ng
RT: 13.974 min Scan# 1987
Delta R.T. -0.000 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

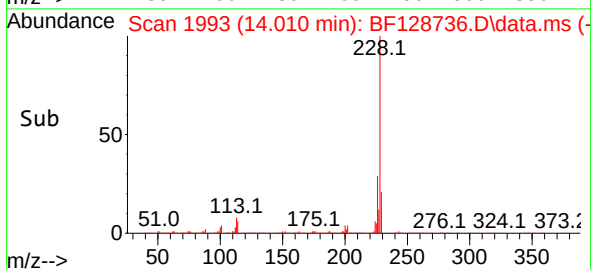
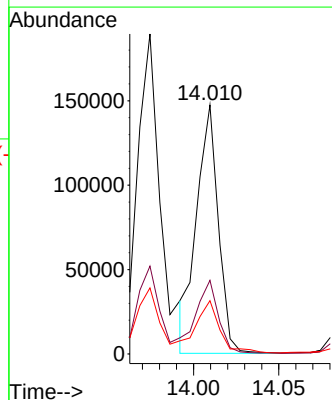
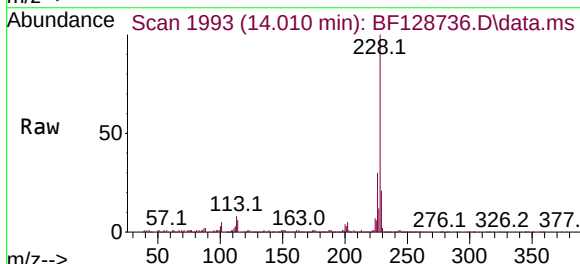
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

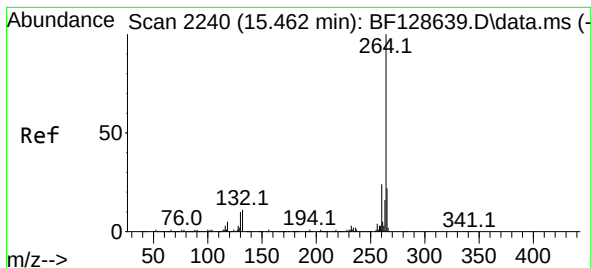
Tgt Ion:228 Resp: 170482
Ion Ratio Lower Upper
228 100
226 27.4 22.1 33.1
229 20.7 15.8 23.8



#83
Chrysene
Concen: 12.372 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

Tgt Ion:228 Resp: 130750
Ion Ratio Lower Upper
228 100
226 29.6 24.3 36.5
229 21.4 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF128736.D

Acq: 08 Jun 2022 15:31

Instrument :

BNA_F

ClientSampleId :

SU-3-060322DL

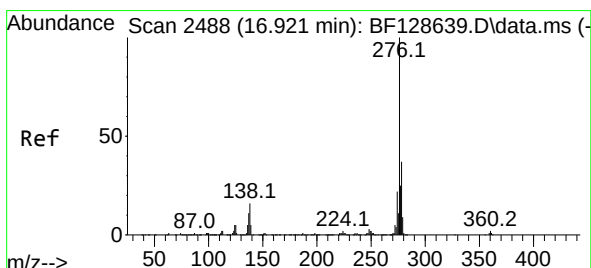
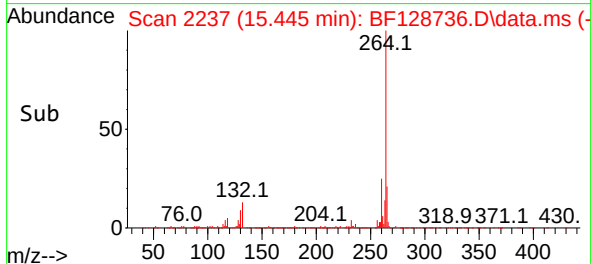
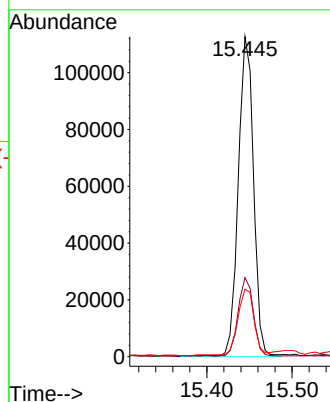
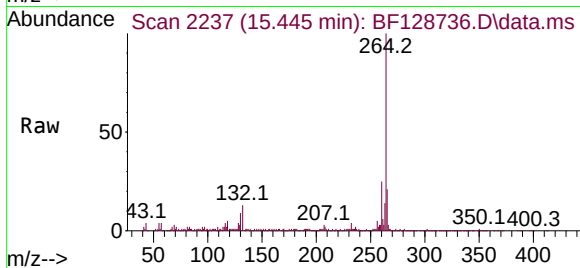
Tgt Ion:264 Resp: 140618

Ion Ratio Lower Upper

264 100

260 24.7 18.4 27.6

265 21.1 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.811 ng

RT: 16.892 min Scan# 2483

Delta R.T. -0.006 min

Lab File: BF128736.D

Acq: 08 Jun 2022 15:31

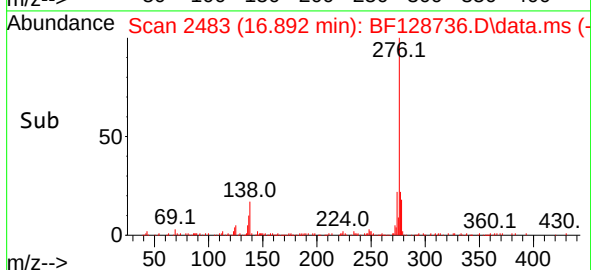
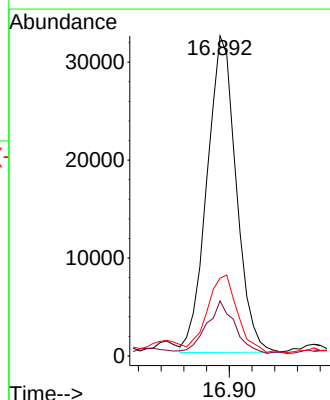
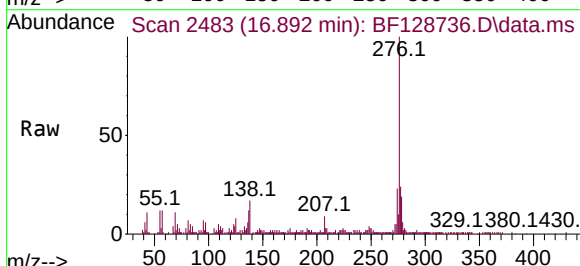
Tgt Ion:276 Resp: 57726

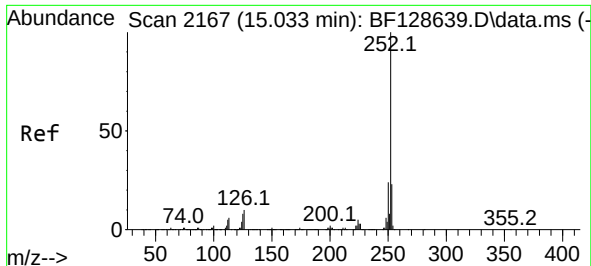
Ion Ratio Lower Upper

276 100

138 16.2 21.1 31.7#

277 25.4 20.3 30.5

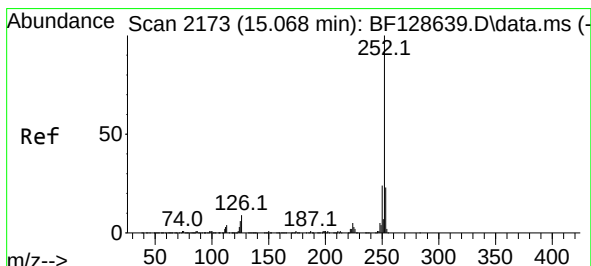
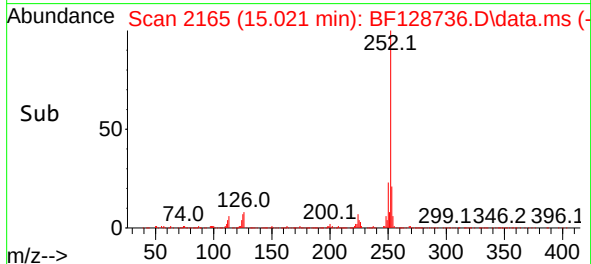
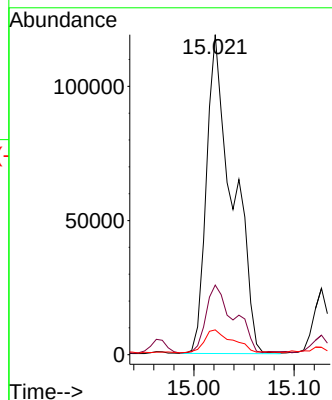
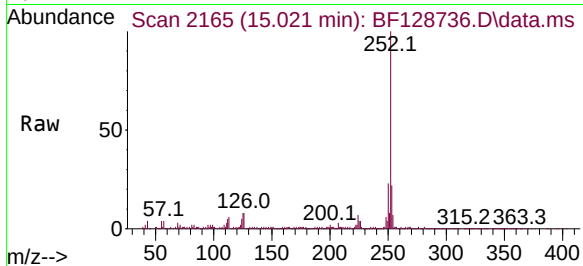




#88
Benzo(b)fluoranthene
Concen: 24.024 ng
RT: 15.021 min Scan# 2165
Delta R.T. -0.000 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

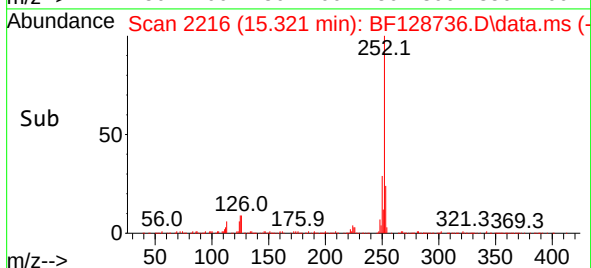
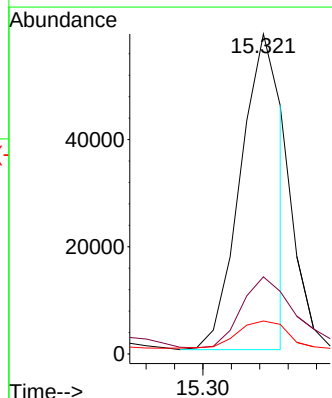
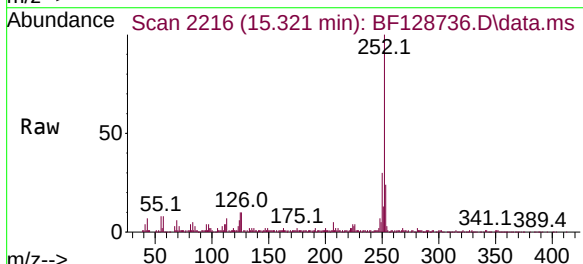
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL

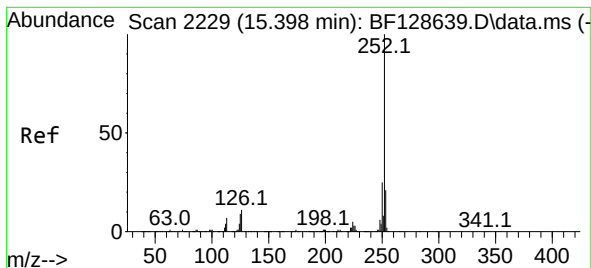
Tgt Ion:252 Resp: 215866
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 7.8 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 7.031 ng
RT: 15.321 min Scan# 2216
Delta R.T. 0.270 min
Lab File: BF128736.D
Acq: 08 Jun 2022 15:31

Tgt Ion:252 Resp: 59431
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.6
125 10.3 8.3 12.5





#90

Benzo(a)pyrene

Concen: 9.751 ng

RT: 15.321 min Scan# 21

Delta R.T. -0.065 min

Lab File: BF128736.D

Acq: 08 Jun 2022 15:31

Instrument :

BNA_F

ClientSampleId :

SU-3-060322DL

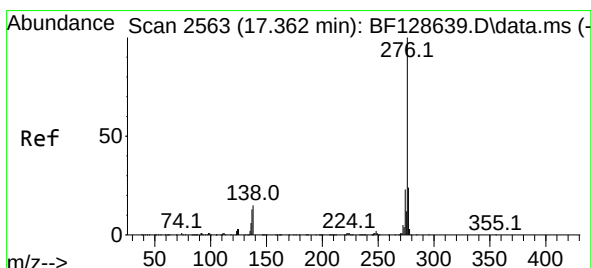
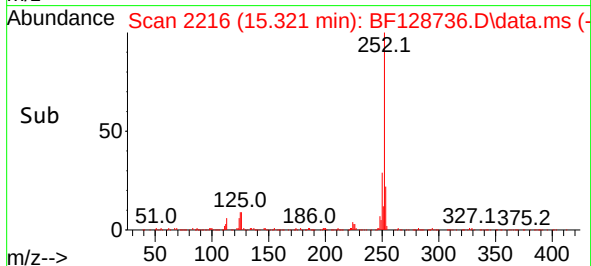
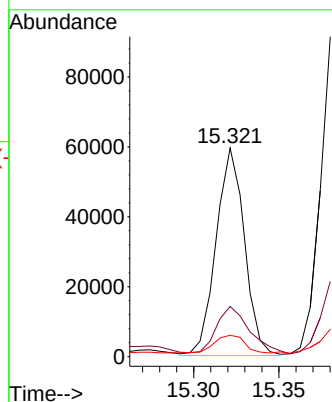
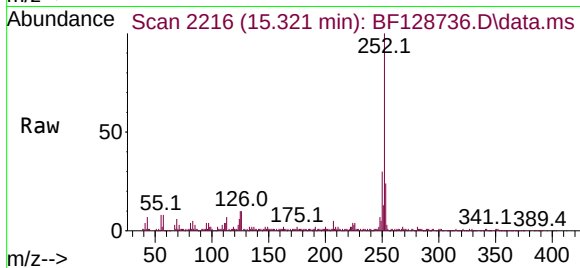
Tgt Ion:252 Resp: 68860

Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.6

125 10.3 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 7.763 ng

RT: 17.333 min Scan# 2558

Delta R.T. -0.006 min

Lab File: BF128736.D

Acq: 08 Jun 2022 15:31

Tgt Ion:276 Resp: 54091

Ion Ratio Lower Upper

276 100

277 24.4 19.1 28.7

138 18.5 18.0 27.0

