

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
 Data File : BF128726.D
 Acq On : 07 Jun 2022 20:16
 Operator : CG\JU
 Sample : N3206-01RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-060322

Quant Time: Jun 08 00:27:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 17:07:23 2022
 Response via : Initial Calibration

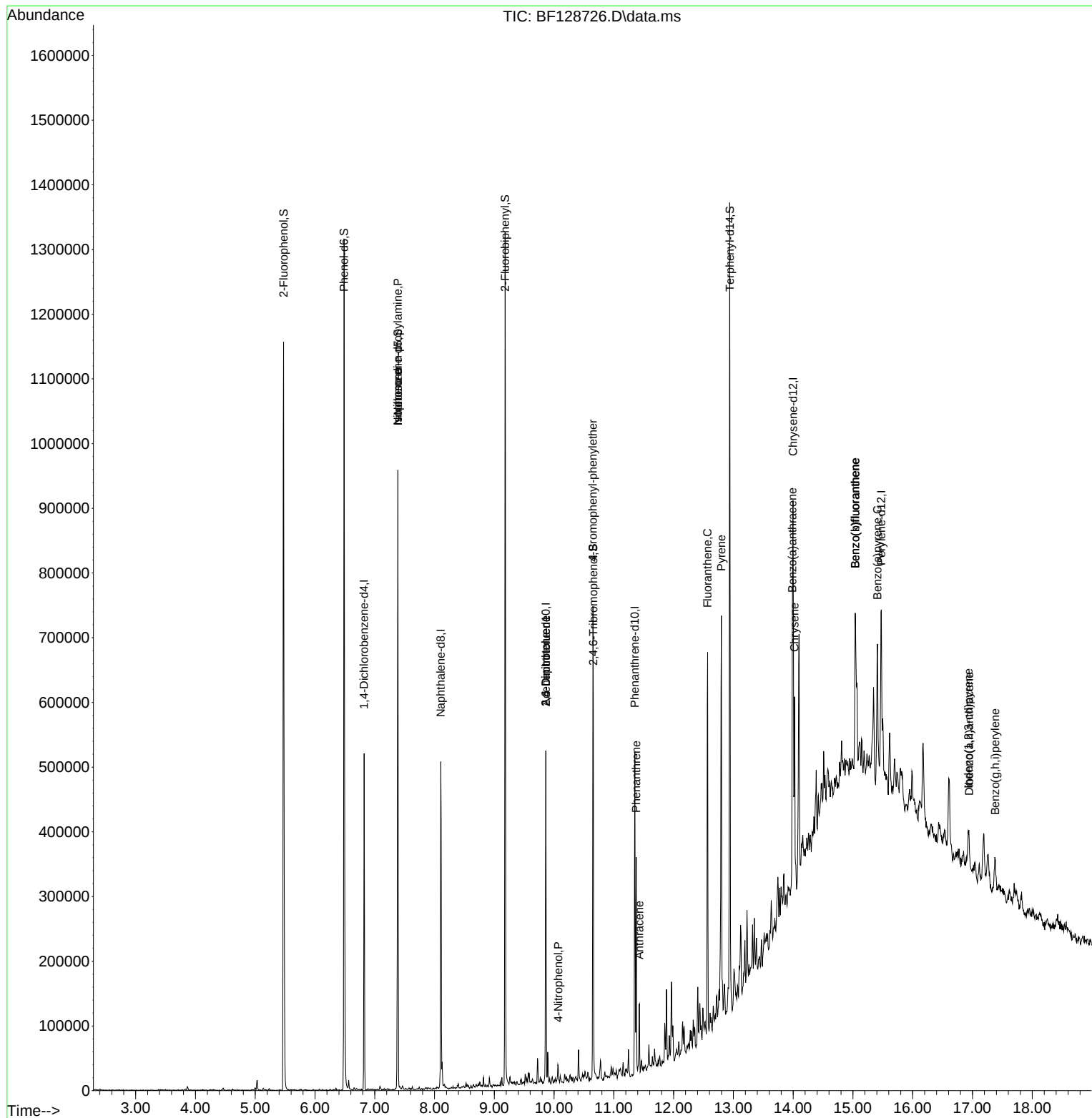
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	59784	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	198447	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	93362	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	163965	20.000	ng	# 0.00
76) Chrysene-d12	13.998	240	165124	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	122682	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	303584	80.884	ng	0.00
7) Phenol-d6	6.486	99	358649	78.281	ng	-0.01
23) Nitrobenzene-d5	7.386	82	248603	58.326	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	78932	71.553	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	368073	55.226	ng	-0.01
79) Terphenyl-d14	12.939	244	383796	40.388	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.386	70	36158	12.693	ng	# 79
25) Isophorone	7.386	82	248597	38.402	ng	# 65
51) 2,6-Dinitrotoluene	9.863	165	12205	9.677	ng	# 25
56) 4-Nitrophenol	10.069	139	3531	3.558	ng	# 17
57) 2,4-Dinitrotoluene	9.863	165	12205	7.251	ng	# 21
67) 4-Bromophenyl-phenylether	10.651	248	5116	2.798	ng	# 1
71) Phenanthrene	11.374	178	107330	13.051	ng	98
72) Anthracene	11.427	178	40257	4.945	ng	100
75) Fluoranthene	12.568	202	225916	26.279	ng	95
78) Pyrene	12.798	202	251229	20.450	ng	99
81) Benzo(a)anthracene	13.986	228	134399	13.058	ng	92
83) Chrysene	14.021	228	117989	12.024	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	44408	6.006	ng	# 87
88) Benzo(b)fluoranthene	15.039	252	168717	21.522	ng	# 94
89) Benzo(k)fluoranthene	15.039	252	168717	22.879	ng	95
90) Benzo(a)pyrene	15.409	252	92089	14.946	ng	95
91) Dibenzo(a,h)anthracene	16.945	278	12278	2.002	ng	# 67
92) Benzo(g,h,i)perylene	17.380	276	45577	7.498	ng	# 93

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

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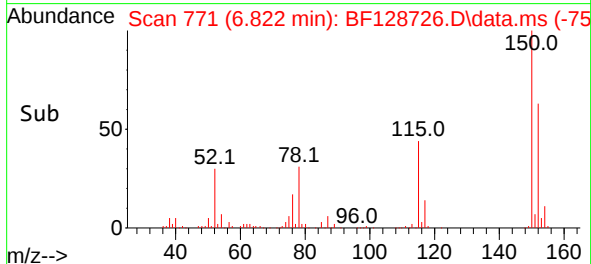
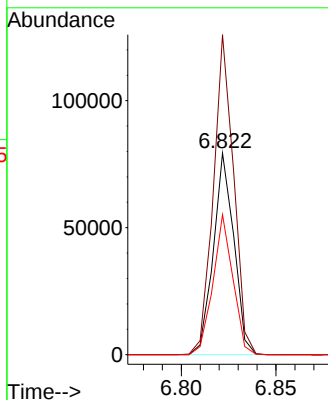
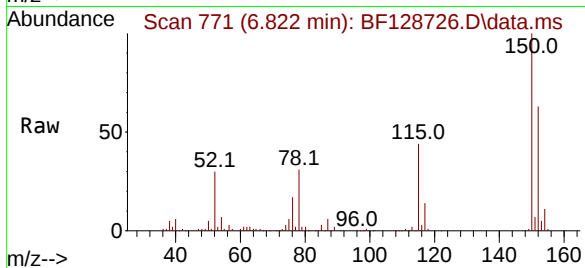




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128726.D
Acq: 07 Jun 2022 20:16

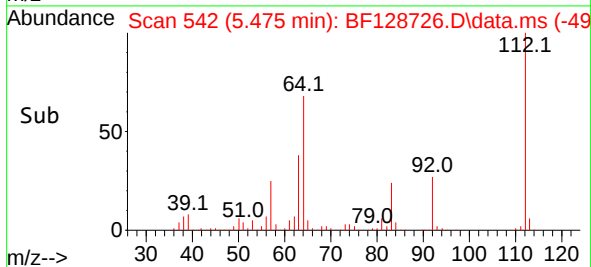
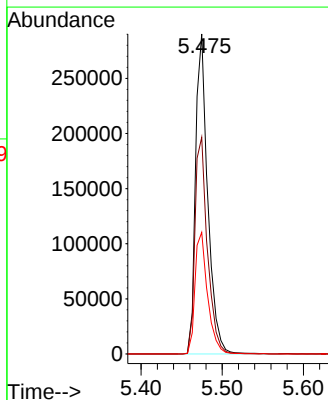
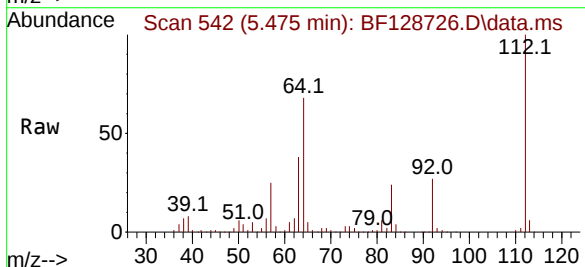
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CL-01-060322

Tgt Ion:152 Resp: 59784
Ion Ratio Lower Upper
152 100
150 158.7 123.7 185.5
115 69.5 49.9 74.9



#5
2-Fluorophenol
Concen: 80.884 ng
RT: 5.475 min Scan# 542
Delta R.T. -0.000 min
Lab File: BF128726.D
Acq: 07 Jun 2022 20:16

Tgt Ion:112 Resp: 303584
Ion Ratio Lower Upper
112 100
64 67.7 53.3 79.9
63 38.0 28.0 42.0

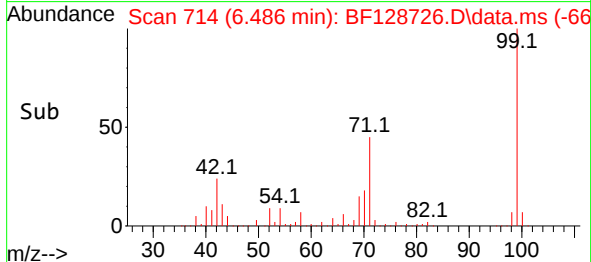
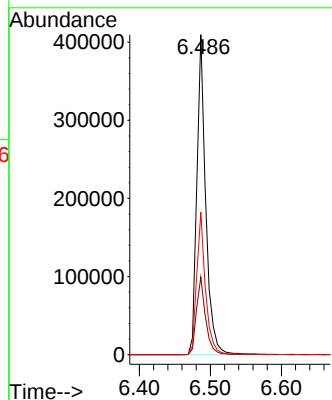
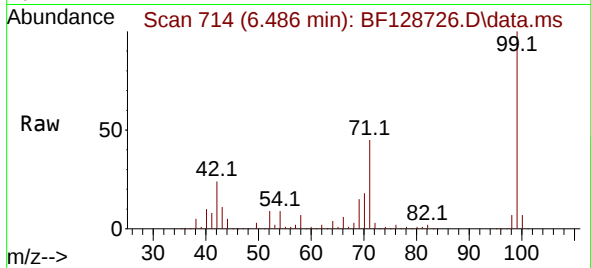




#7
Phenol-d6
Concen: 78.281 ng
RT: 6.486 min Scan# 716
Delta R.T. -0.012 min
Lab File: BF128726.D
Acq: 07 Jun 2022 20:16

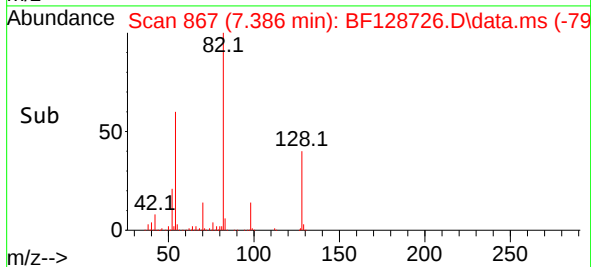
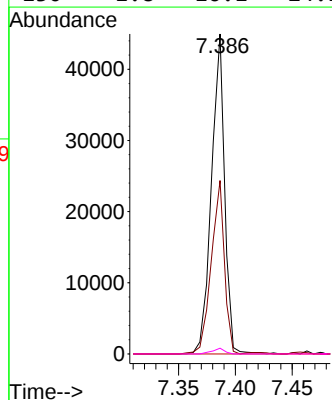
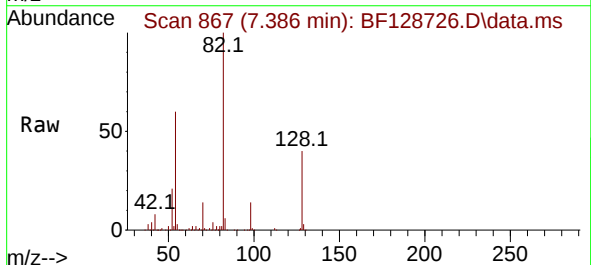
Instrument :
BNA_F
ClientSampleId :
CL-01-060322

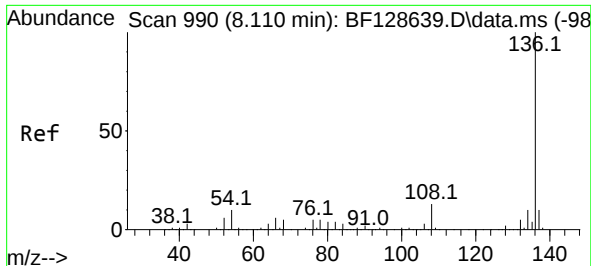
Tgt Ion: 99 Resp: 358649
Ion Ratio Lower Upper
99 100
42 24.3 17.3 25.9
71 44.5 28.9 43.3#



#19
n-Nitroso-di-n-propylamine
Concen: 12.693 ng
RT: 7.386 min Scan# 867
Delta R.T. 0.141 min
Lab File: BF128726.D
Acq: 07 Jun 2022 20:16

Tgt Ion: 70 Resp: 36158
Ion Ratio Lower Upper
70 100
42 54.2 52.3 78.5
101 0.0 7.5 11.3#
130 1.8 16.1 24.1#

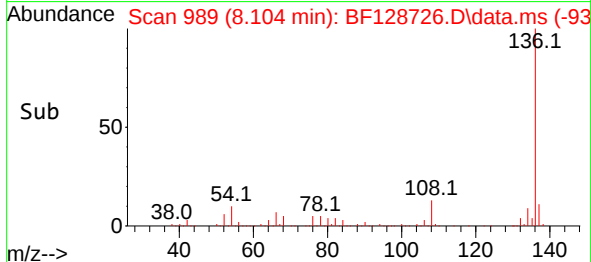
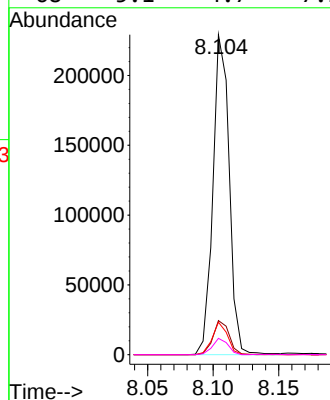
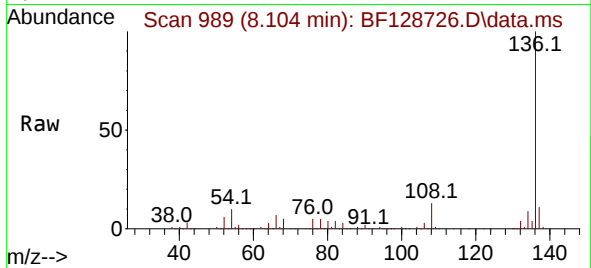




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128726.D
Acq: 07 Jun 2022 20:16

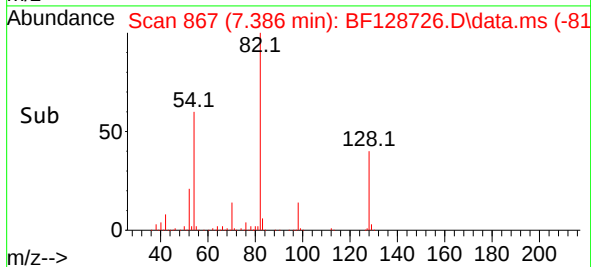
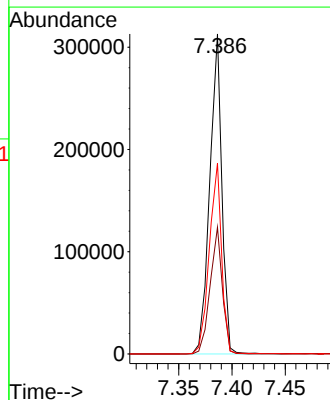
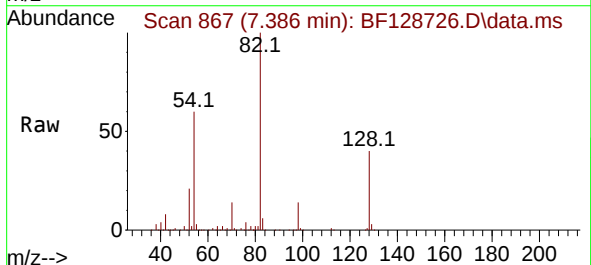
Instrument :
BNA_F
ClientSampleId :
CL-01-060322

Tgt Ion:136	Resp: 198447
Ion Ratio	Lower Upper
136 100	
137 10.7	8.8 13.2
54 10.1	7.5 11.3
68 5.1	4.7 7.1



#23
Nitrobenzene-d5
Concen: 58.326 ng
RT: 7.386 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF128726.D
Acq: 07 Jun 2022 20:16

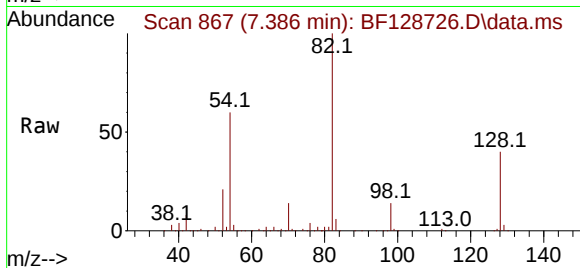
Tgt Ion: 82	Resp: 248603
Ion Ratio	Lower Upper
82 100	
128 39.6	34.0 51.0
54 59.6	46.9 70.3



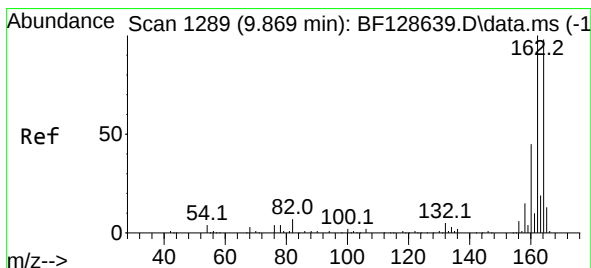
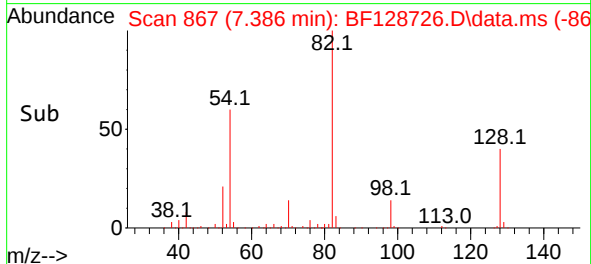
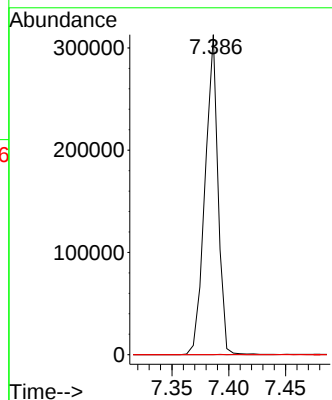


#25
Isophorone
Concen: 38.402 ng
RT: 7.386 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF128726.D
Acq: 07 Jun 2022 20:16

Instrument :
BNA_F
ClientSampleId :
CL-01-060322

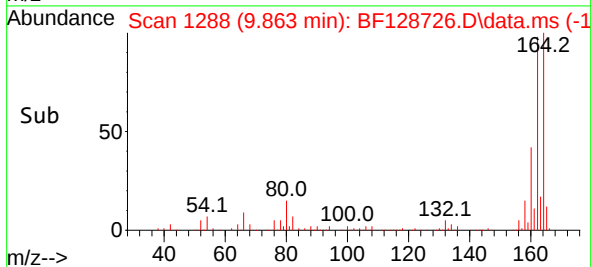
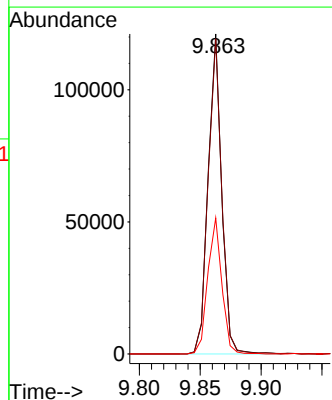
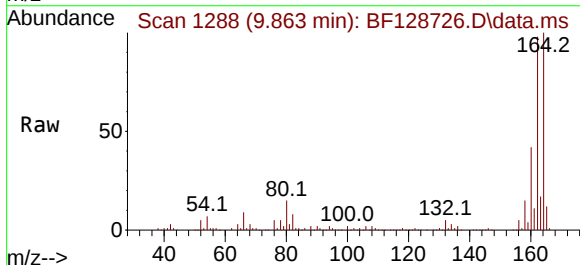


Tgt Ion: 82 Resp: 248597
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF128726.D
Acq: 07 Jun 2022 20:16

Tgt Ion:164 Resp: 93362
Ion Ratio Lower Upper
164 100
162 98.5 79.5 119.3
160 42.5 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 71.553 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF128726.D

Acq: 07 Jun 2022 20:16

Instrument :

BNA_F

ClientSampleId :

CL-01-060322

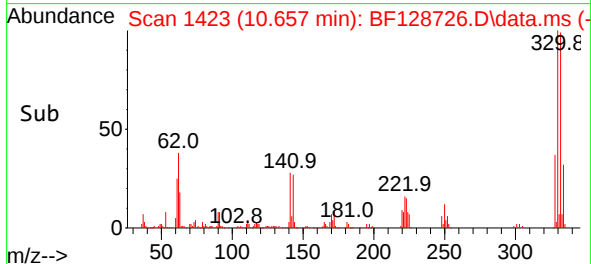
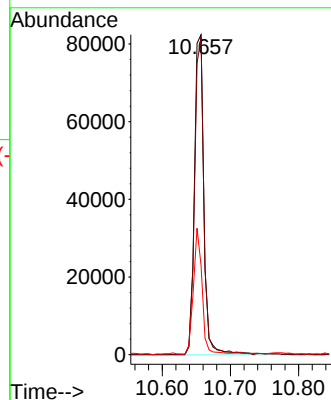
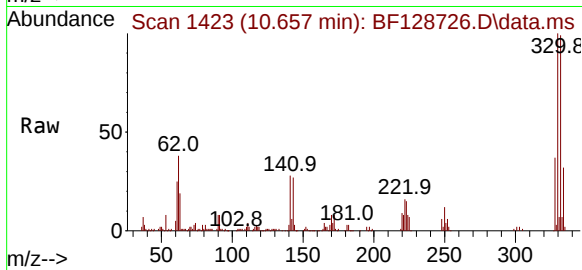
Tgt Ion:330 Resp: 78932

Ion Ratio Lower Upper

330 100

332 96.3 76.8 115.2

141 35.2 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 55.226 ng

RT: 9.180 min Scan# 1172

Delta R.T. -0.012 min

Lab File: BF128726.D

Acq: 07 Jun 2022 20:16

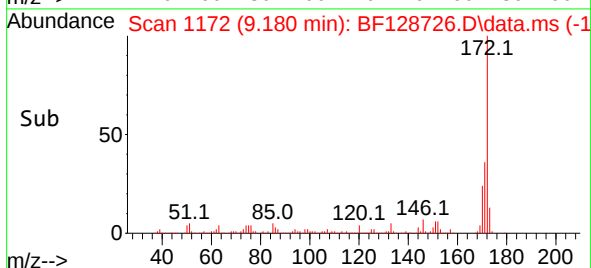
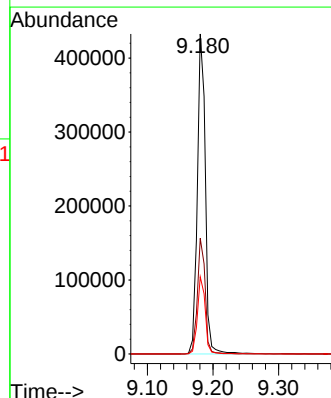
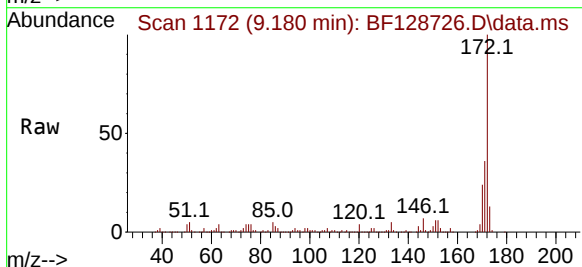
Tgt Ion:172 Resp: 368073

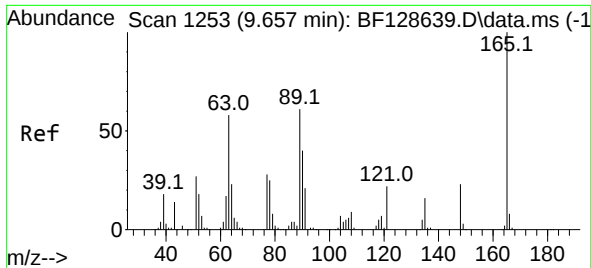
Ion Ratio Lower Upper

172 100

171 36.2 28.8 43.2

170 24.1 19.8 29.8

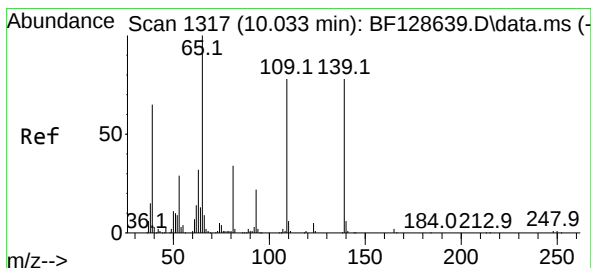
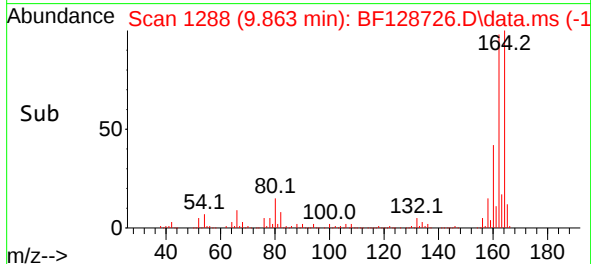
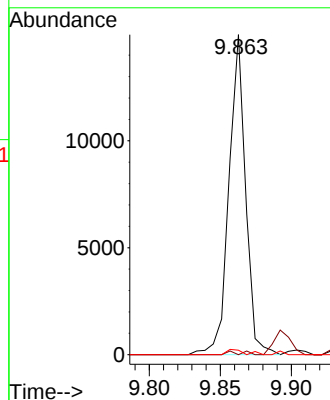
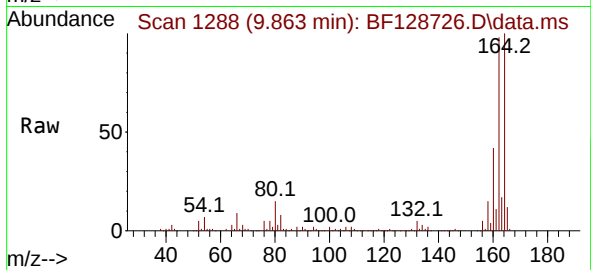




#51
2,6-Dinitrotoluene
Concen: 9.677 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF128726.D
Acq: 07 Jun 2022 20:16

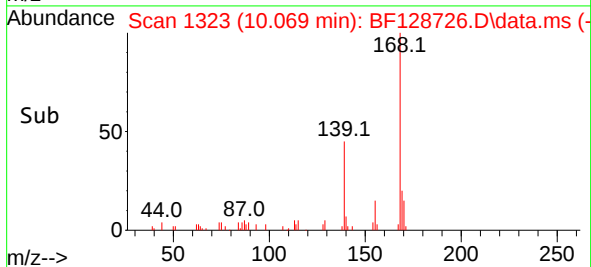
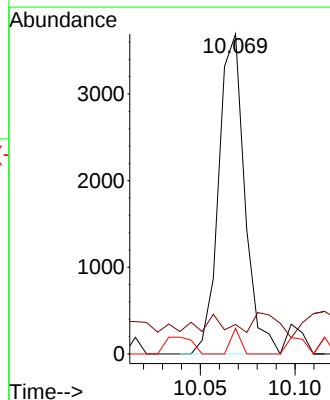
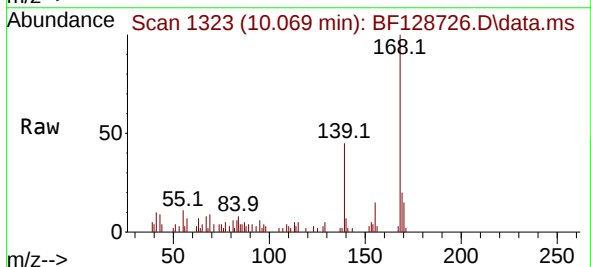
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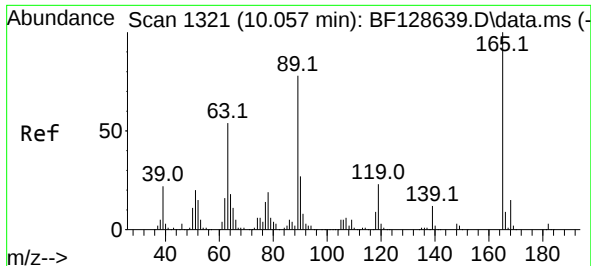
Tgt Ion:165 Resp: 12205
Ion Ratio Lower Upper
165 100
63 0.0 44.9 67.3#
89 1.4 43.6 65.4#



#56
4-Nitrophenol
Concen: 3.558 ng
RT: 10.069 min Scan# 1323
Delta R.T. 0.035 min
Lab File: BF128726.D
Acq: 07 Jun 2022 20:16

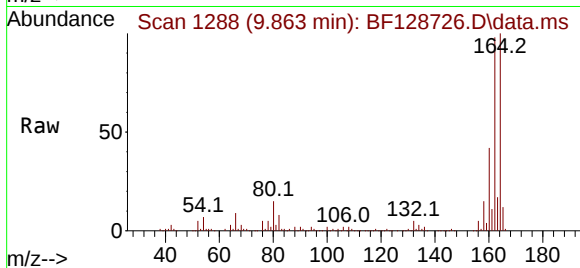
Tgt Ion:139 Resp: 3531
Ion Ratio Lower Upper
139 100
109 9.2 50.7 90.7#
65 8.0 74.5 114.5#



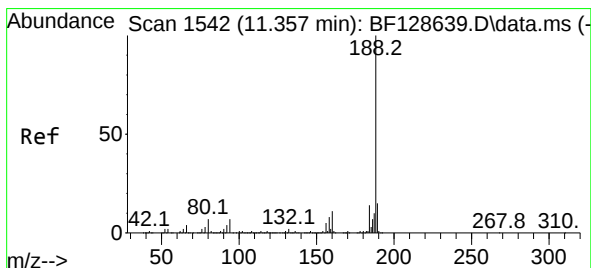
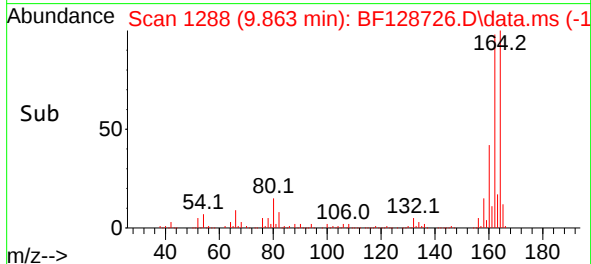
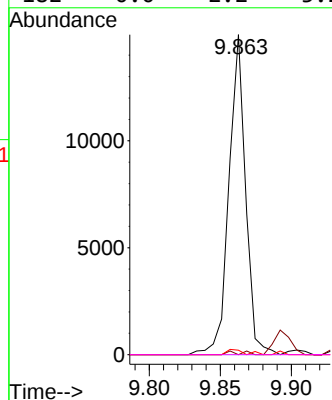


#57
2,4-Dinitrotoluene
Concen: 7.251 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF128726.D
Acq: 07 Jun 2022 20:16

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ClientSampleId :
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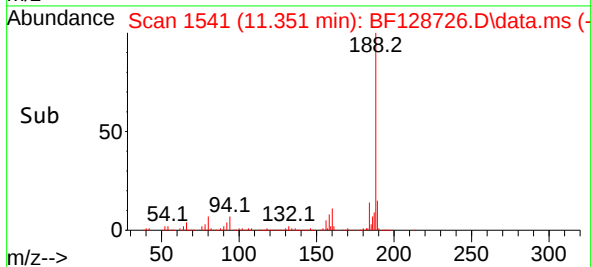
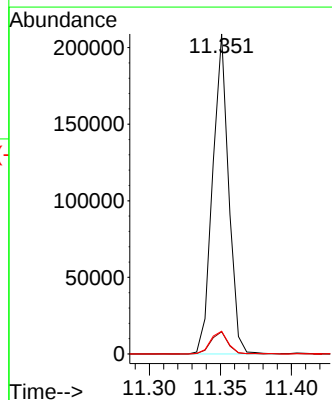
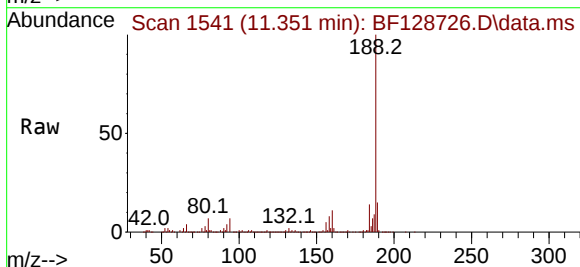


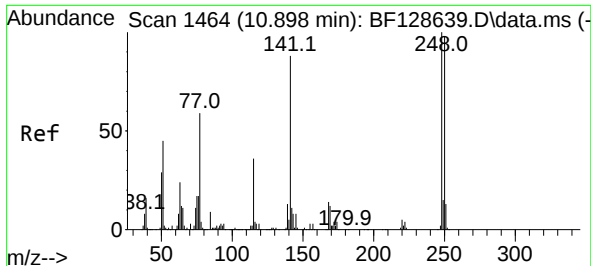
Tgt Ion:165 Resp: 12205
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 1.4 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF128726.D
Acq: 07 Jun 2022 20:16

Tgt Ion:188 Resp: 163965
Ion Ratio Lower Upper
188 100
94 7.0 7.0 10.6#
80 7.1 7.6 11.4#

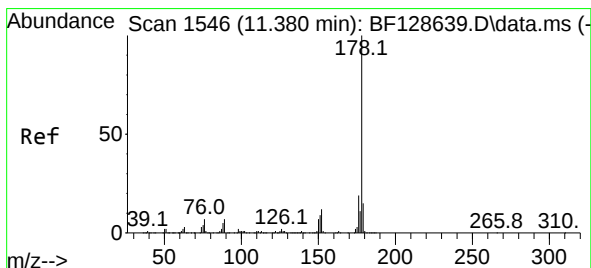
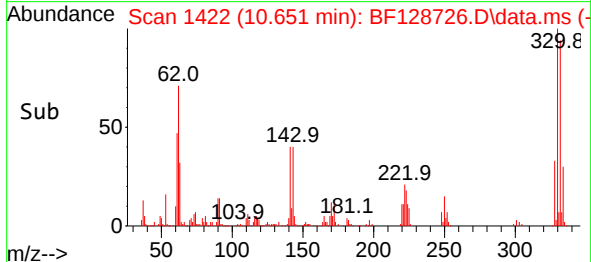
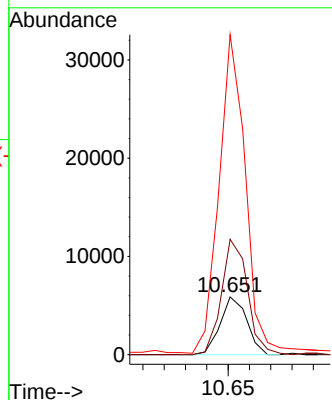
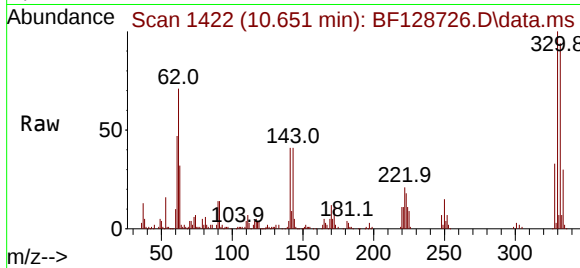




#67
4-Bromophenyl-phenylether
Concen: 2.798 ng
RT: 10.651 min Scan# 1464
Delta R.T. -0.247 min
Lab File: BF128726.D
Acq: 07 Jun 2022 20:16

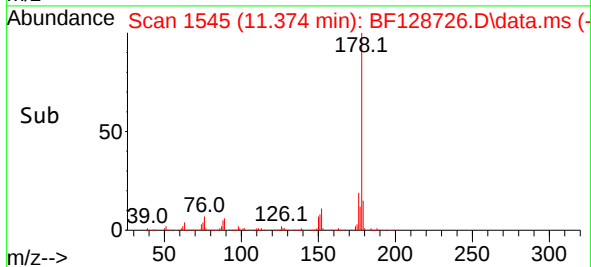
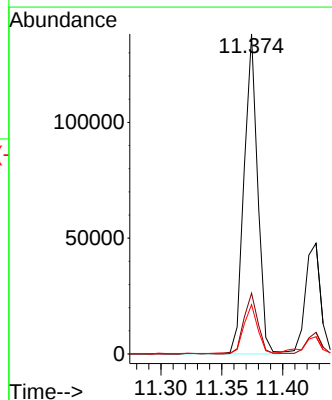
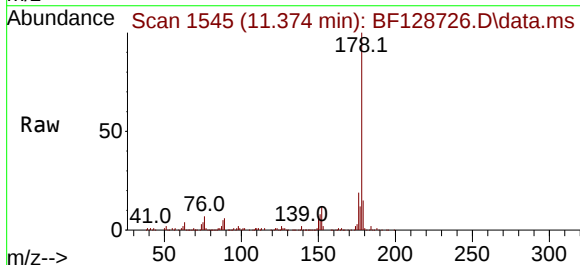
Instrument :
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ClientSampleId :
CL-01-060322

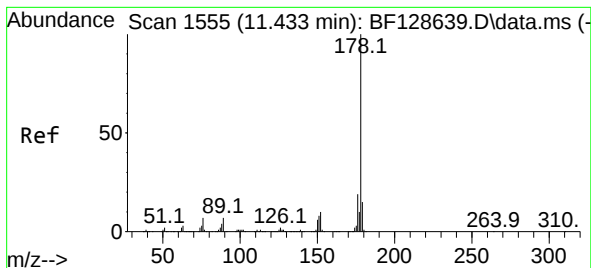
Tgt Ion:248 Resp: 5116
Ion Ratio Lower Upper
248 100
250 199.5 80.6 120.8#
141 553.4 58.9 88.3#



#71
Phenanthrene
Concen: 13.051 ng
RT: 11.374 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF128726.D
Acq: 07 Jun 2022 20:16

Tgt Ion:178 Resp: 107330
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.4 12.6 19.0





#72

Anthracene

Concen: 4.945 ng

RT: 11.427 min Scan# 1554

Delta R.T. -0.006 min

Lab File: BF128726.D

Acq: 07 Jun 2022 20:16

Instrument :

BNA_F

ClientSampleId :

CL-01-060322

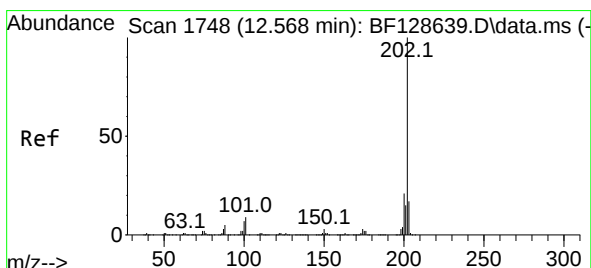
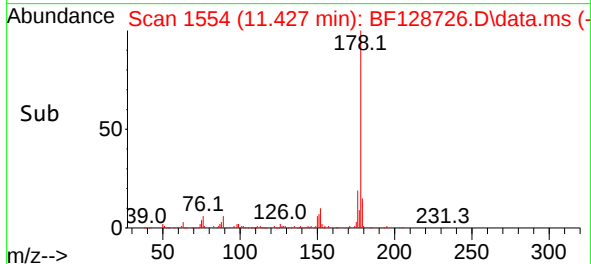
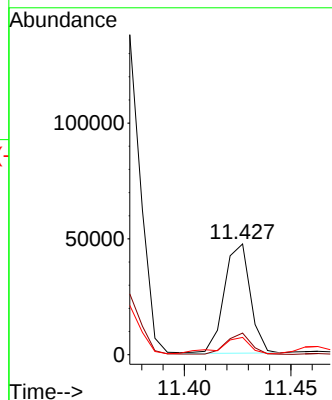
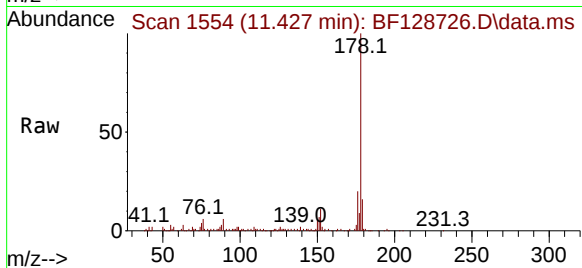
Tgt Ion:178 Resp: 40257

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

179 15.7 12.6 19.0



#75

Fluoranthene

Concen: 26.279 ng

RT: 12.568 min Scan# 1748

Delta R.T. -0.000 min

Lab File: BF128726.D

Acq: 07 Jun 2022 20:16

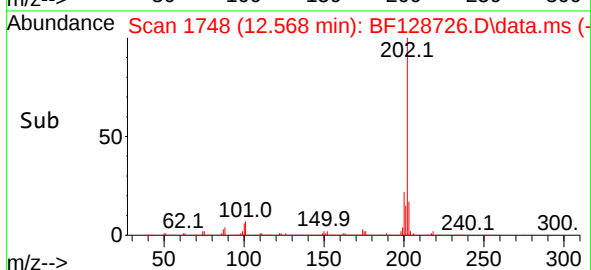
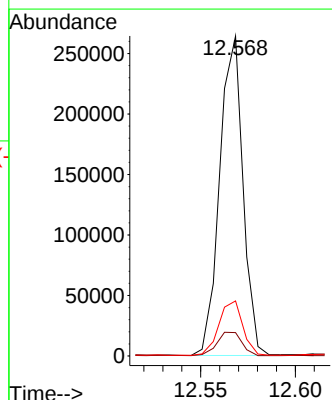
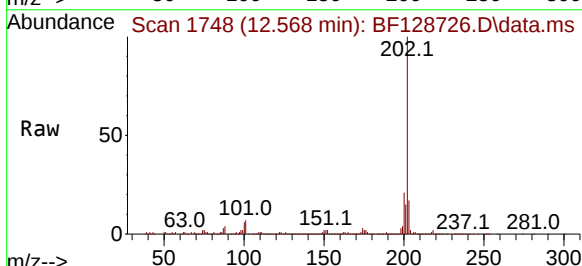
Tgt Ion:202 Resp: 225916

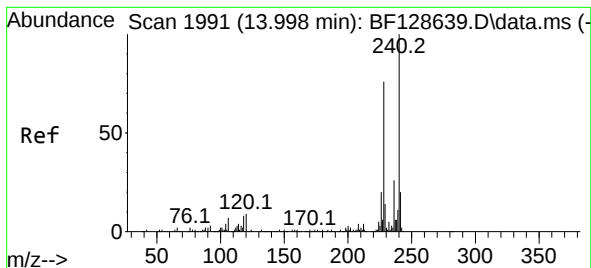
Ion Ratio Lower Upper

202 100

101 7.3 0.0 31.4

203 17.2 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 1991

Delta R.T. -0.000 min

Lab File: BF128726.D

Acq: 07 Jun 2022 20:16

Instrument :

BNA_F

ClientSampleId :

CL-01-060322

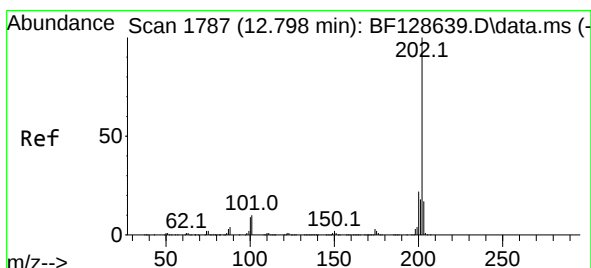
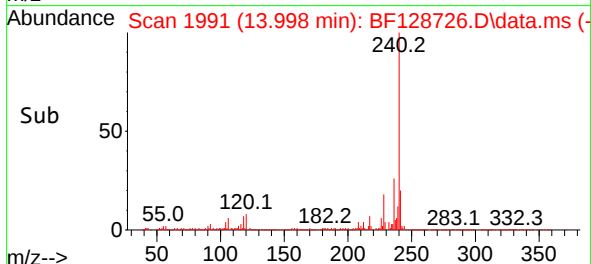
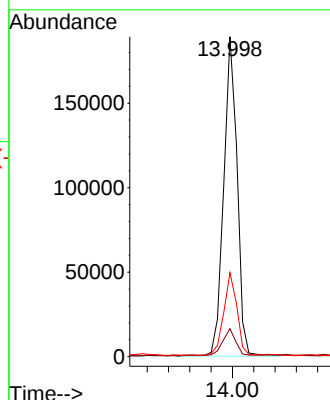
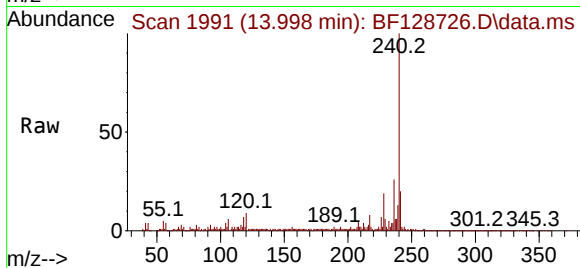
Tgt Ion:240 Resp: 165124

Ion Ratio Lower Upper

240 100

120 8.7 8.9 13.3#

236 26.2 20.8 31.2



#78

Pyrene

Concen: 20.450 ng

RT: 12.798 min Scan# 1787

Delta R.T. -0.000 min

Lab File: BF128726.D

Acq: 07 Jun 2022 20:16

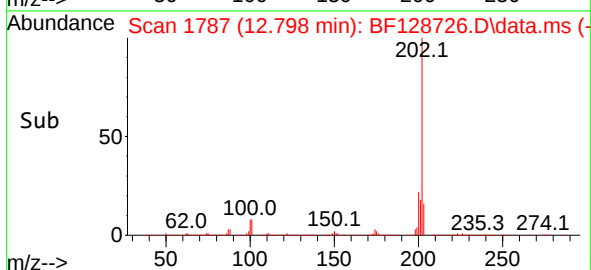
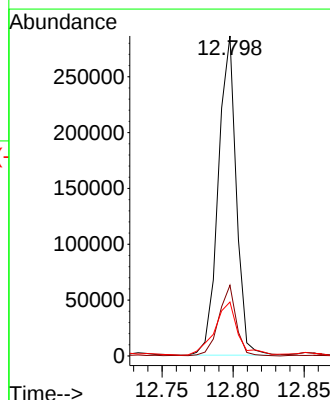
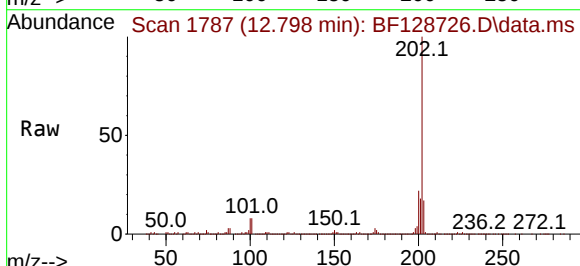
Tgt Ion:202 Resp: 251229

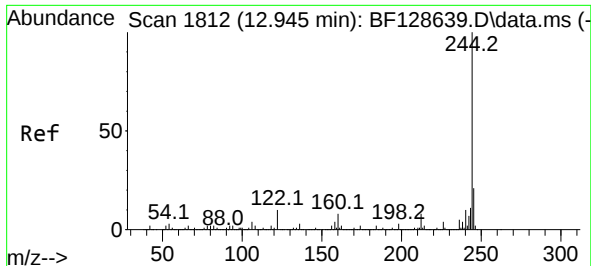
Ion Ratio Lower Upper

202 100

200 22.1 17.7 26.5

203 16.9 14.6 21.8

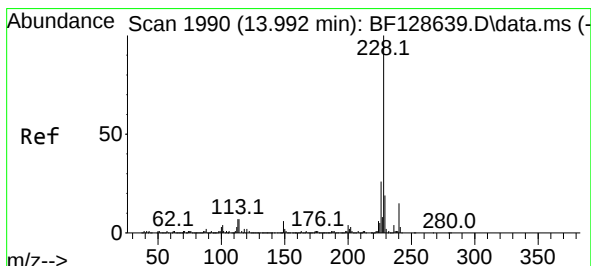
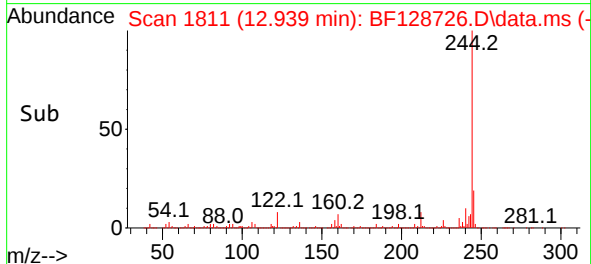
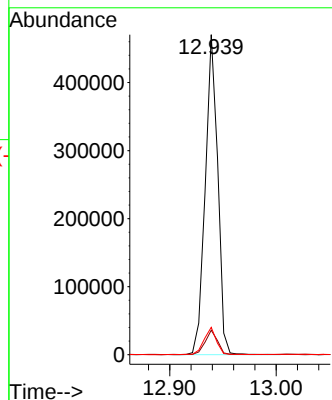
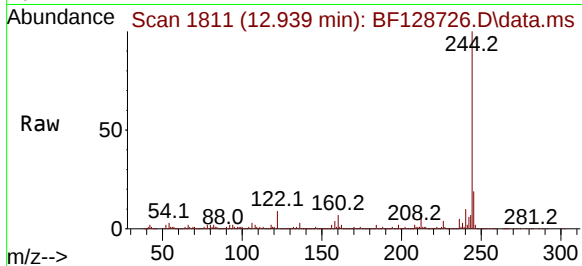




#79
 Terphenyl-d14
 Concen: 40.388 ng
 RT: 12.939 min Scan# 1811
 Delta R.T. -0.006 min
 Lab File: BF128726.D
 Acq: 07 Jun 2022 20:16

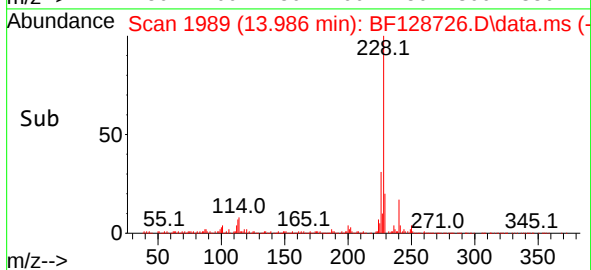
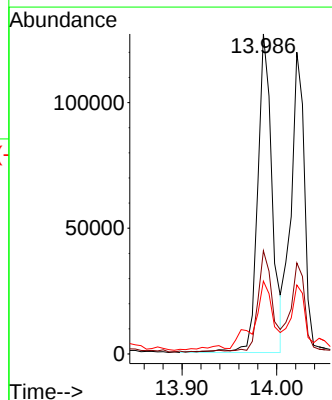
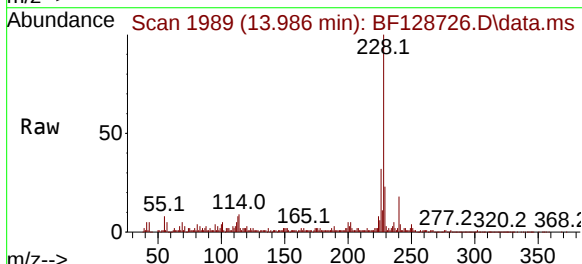
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-060322

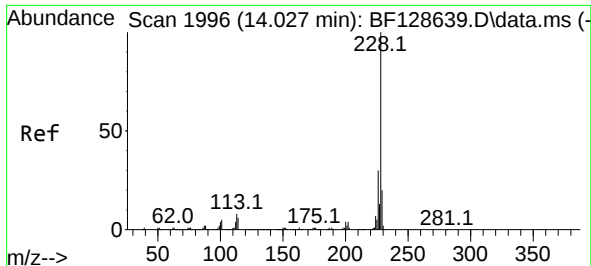
Tgt Ion:244 Resp: 383796
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 8.6 8.8 13.2#



#81
 Benzo(a)anthracene
 Concen: 13.058 ng
 RT: 13.986 min Scan# 1989
 Delta R.T. -0.006 min
 Lab File: BF128726.D
 Acq: 07 Jun 2022 20:16

Tgt Ion:228 Resp: 134399
 Ion Ratio Lower Upper
 228 100
 226 32.2 22.1 33.1
 229 22.8 15.8 23.8

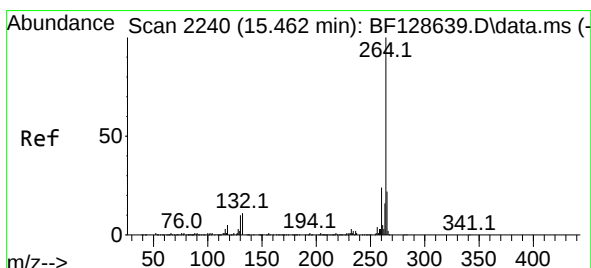
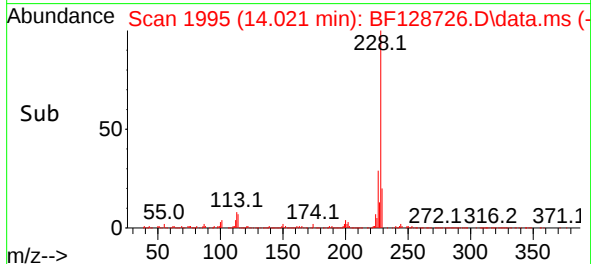
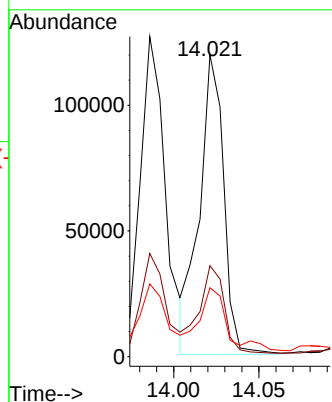
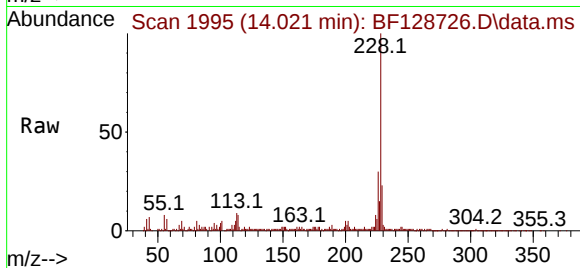




#83
Chrysene
Concen: 12.024 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF128726.D
Acq: 07 Jun 2022 20:16

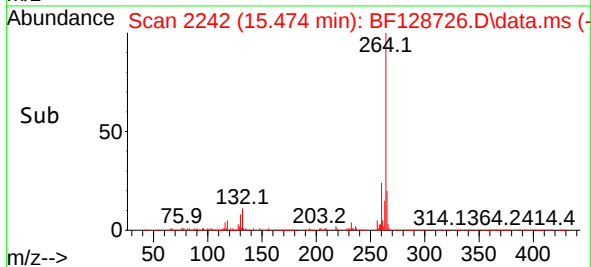
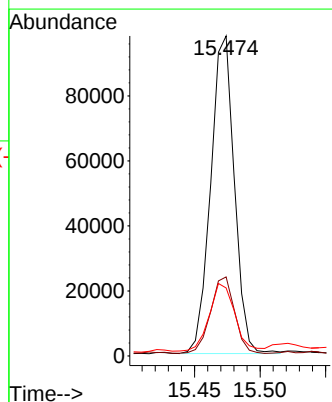
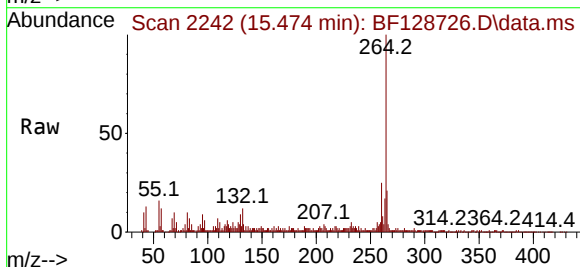
Instrument :
BNA_F
ClientSampleId :
CL-01-060322

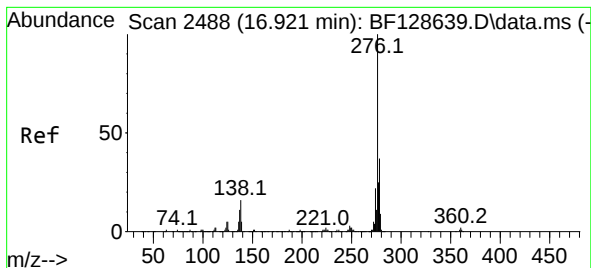
Tgt Ion:228 Resp: 117989
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 22.8 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2242
Delta R.T. 0.012 min
Lab File: BF128726.D
Acq: 07 Jun 2022 20:16

Tgt Ion:264 Resp: 122682
Ion Ratio Lower Upper
264 100
260 24.7 18.4 27.6
265 21.2 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.006 ng

RT: 16.933 min Scan# 24

Delta R.T. 0.012 min

Lab File: BF128726.D

Acq: 07 Jun 2022 20:16

Instrument :

BNA_F

ClientSampleId :

CL-01-060322

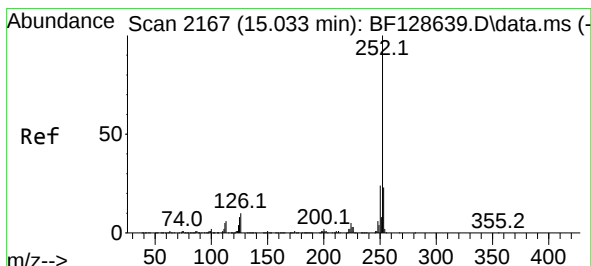
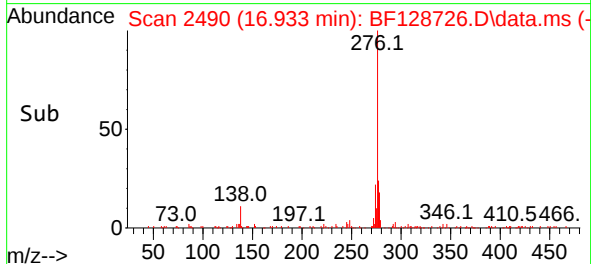
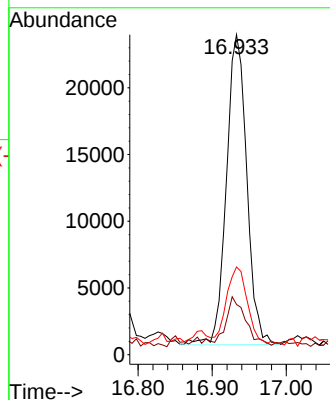
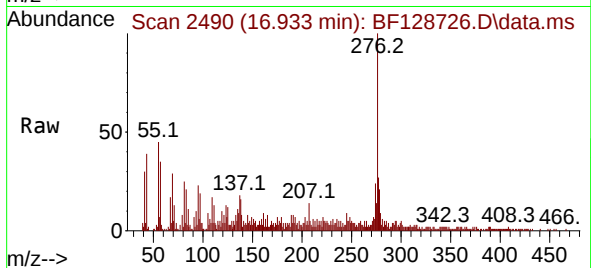
Tgt Ion:276 Resp: 44408

Ion Ratio Lower Upper

276 100

138 14.9 21.1 31.7#

277 26.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 21.522 ng

RT: 15.039 min Scan# 2168

Delta R.T. 0.006 min

Lab File: BF128726.D

Acq: 07 Jun 2022 20:16

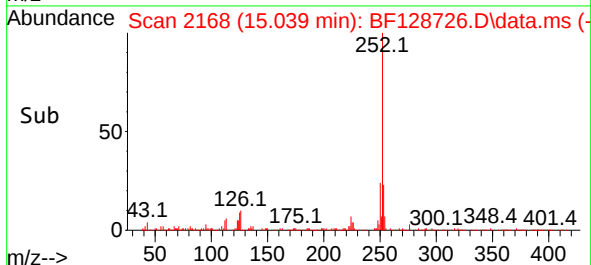
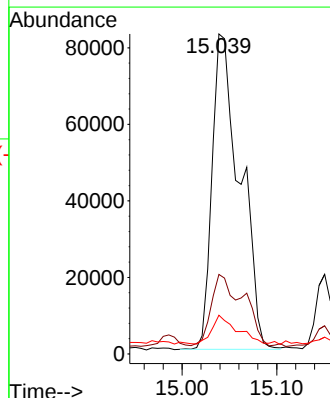
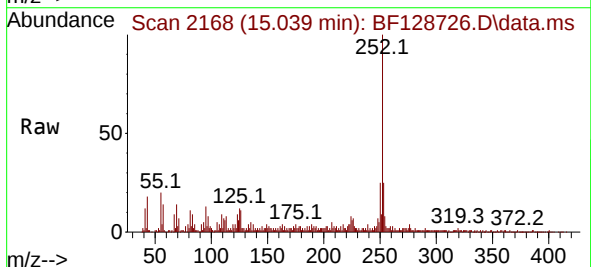
Tgt Ion:252 Resp: 168717

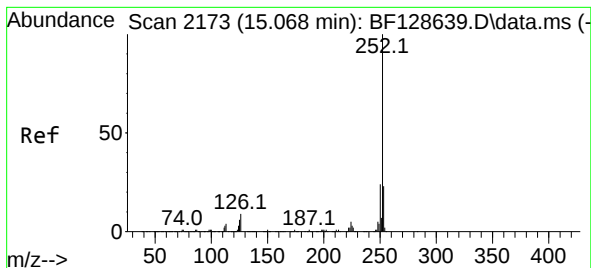
Ion Ratio Lower Upper

252 100

253 24.8 17.7 26.5

125 12.1 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 22.879 ng

RT: 15.039 min Scan# 2173

Delta R.T. -0.029 min

Lab File: BF128726.D

Acq: 07 Jun 2022 20:16

Instrument :

BNA_F

ClientSampleId :

CL-01-060322

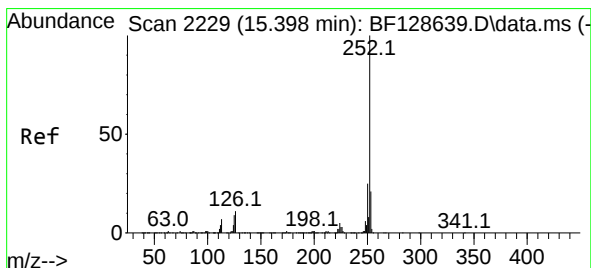
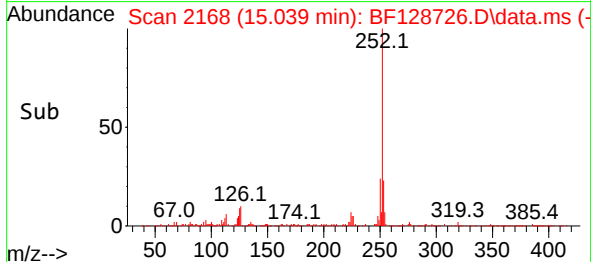
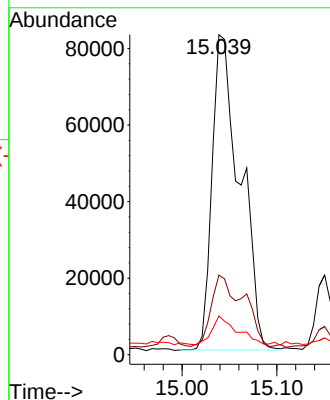
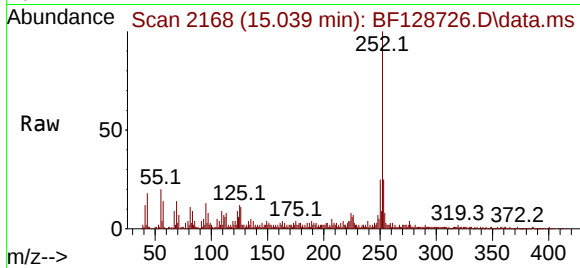
Tgt Ion:252 Resp: 168717

Ion Ratio Lower Upper

252 100

253 24.8 17.8 26.6

125 12.1 8.3 12.5



#90

Benzo(a)pyrene

Concen: 14.946 ng

RT: 15.409 min Scan# 2231

Delta R.T. 0.012 min

Lab File: BF128726.D

Acq: 07 Jun 2022 20:16

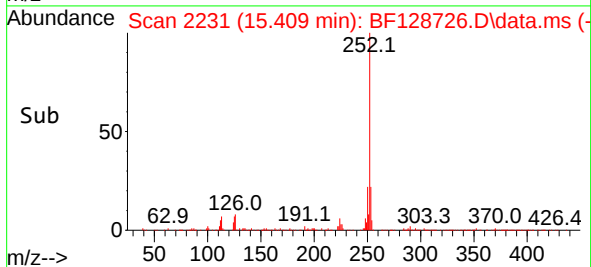
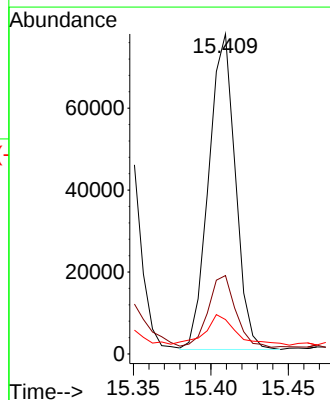
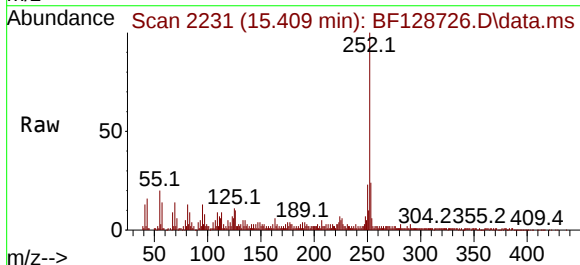
Tgt Ion:252 Resp: 92089

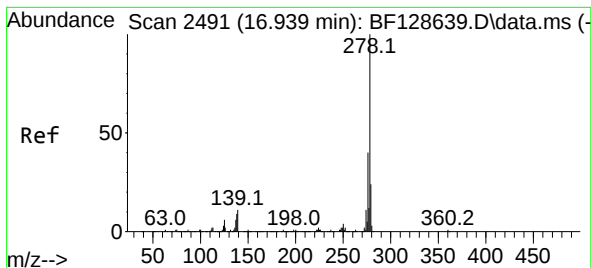
Ion Ratio Lower Upper

252 100

253 24.5 17.0 25.6

125 10.7 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 2.002 ng

RT: 16.945 min Scan# 2491

Delta R.T. 0.006 min

Lab File: BF128726.D

Acq: 07 Jun 2022 20:16

Instrument :

BNA_F

ClientSampleId :

CL-01-060322

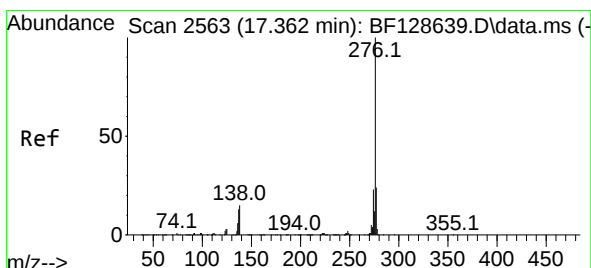
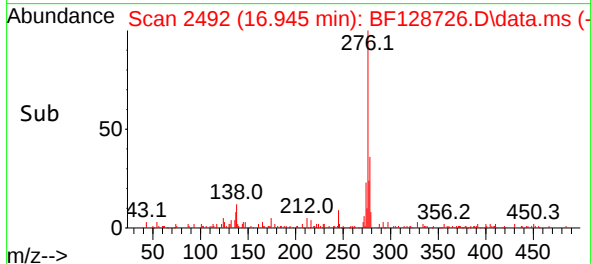
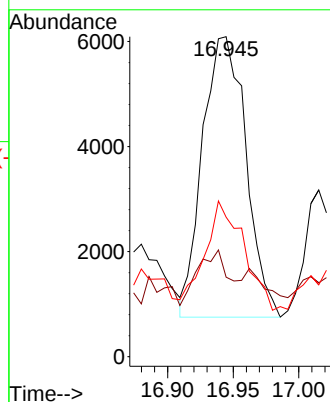
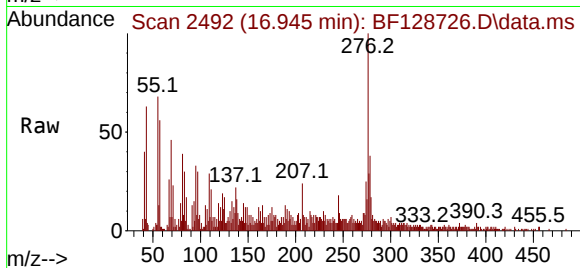
Tgt Ion:278 Resp: 12278

Ion Ratio Lower Upper

278 100

139 24.8 12.8 19.2#

279 43.6 18.6 28.0#



#92

Benzo(g,h,i)perylene

Concen: 7.498 ng

RT: 17.380 min Scan# 2566

Delta R.T. 0.018 min

Lab File: BF128726.D

Acq: 07 Jun 2022 20:16

Tgt Ion:276 Resp: 45577

Ion Ratio Lower Upper

276 100

277 24.3 19.1 28.7

138 15.5 18.0 27.0#

