

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
 Data File : BF128256.D
 Acq On : 13 May 2022 23:31
 Operator : CG\JU
 Sample : N2826-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-051222

Quant Time: May 14 00:58:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 14 00:51:21 2022
 Response via : Initial Calibration

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

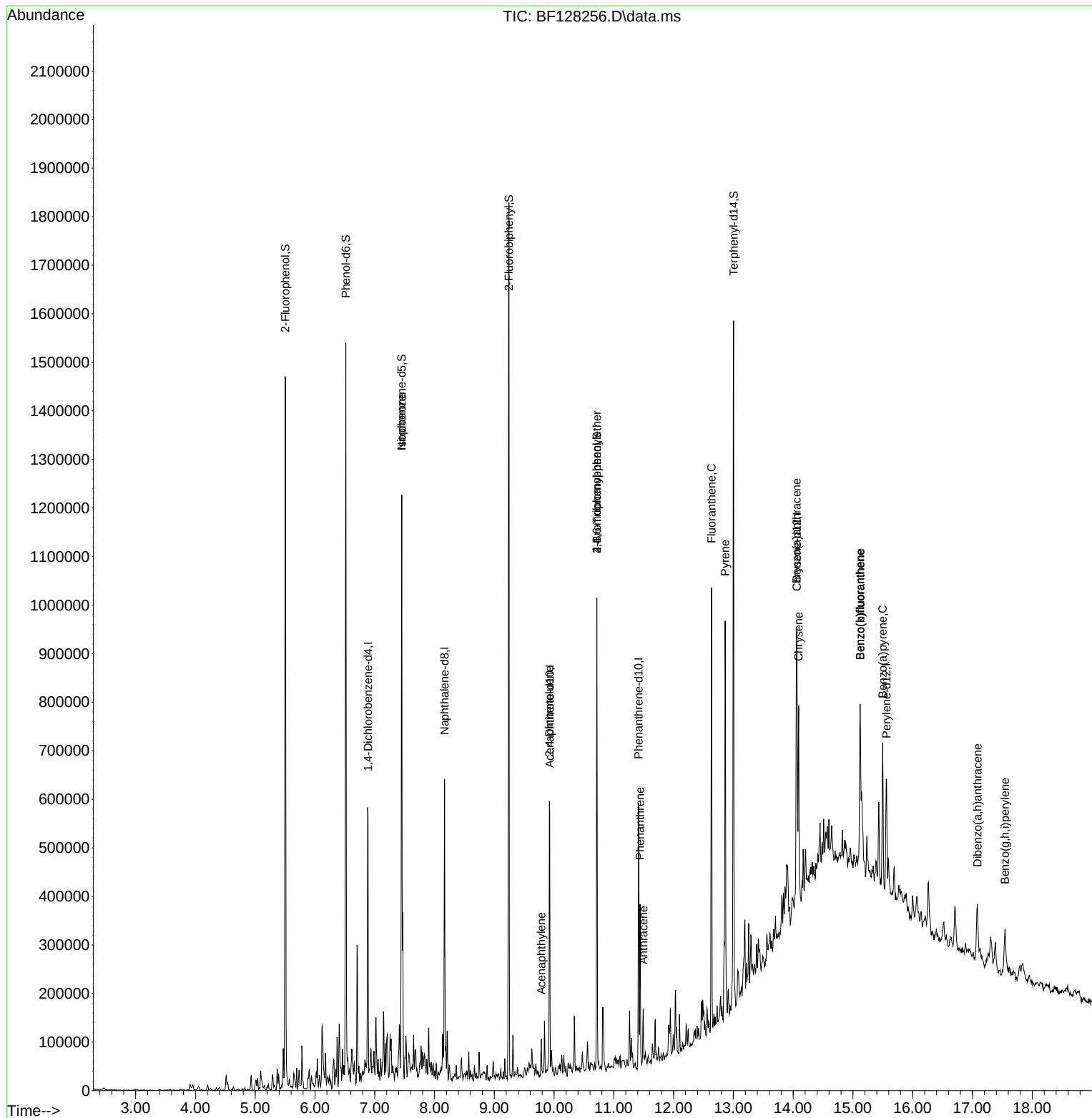
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	58965	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	224620	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	115851	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	175696	20.000	ng	0.00
76) Chrysene-d12	14.063	240	131641	20.000	ng	0.00
86) Perylene-d12	15.562	264	84209	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	347337	93.904	ng	0.00
7) Phenol-d6	6.516	99	468775	95.818	ng	-0.01
23) Nitrobenzene-d5	7.451	82	332410	66.589	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	102381	77.055	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	528957	71.441	ng	0.00
79) Terphenyl-d14	13.004	244	477131	68.010	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.439	77	843	Below Cal	#	1
25) Isophorone	7.451	82	332163	42.443	ng	# 68
49) Acenaphthylene	9.786	152	22871	2.419	ng	97
57) 2,4-Dinitrotoluene	9.922	165	15486	7.062	ng	# 27
67) 4-Bromophenyl-phenylether	10.716	248	6150	3.254	ng	# 1
71) Phenanthrene	11.439	178	105380	12.045	ng	100
72) Anthracene	11.492	178	41572	4.759	ng	98
75) Fluoranthene	12.633	202	322412	33.992	ng	97
78) Pyrene	12.863	202	317696	33.284	ng	99
81) Benzo(a)anthracene	14.057	228	179393	21.335	ng	93
83) Chrysene	14.092	228	161512	20.132	ng	97
88) Benzo(b)fluoranthene	15.121	252	247364	47.387	ng	# 92
89) Benzo(k)fluoranthene	15.121	252	247364	48.005	ng	# 90
90) Benzo(a)pyrene	15.498	252	128135	30.405	ng	98
91) Dibenzo(a,h)anthracene	17.086	278	19943	4.836	ng	# 82
92) Benzo(g,h,i)perylene	17.545	276	73814	17.677	ng	96

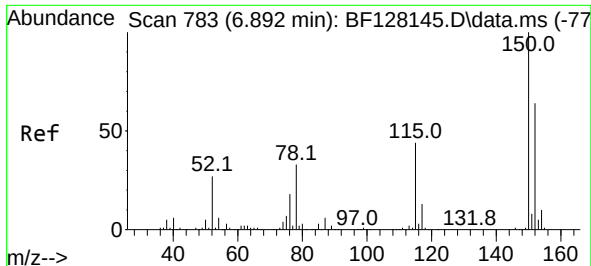
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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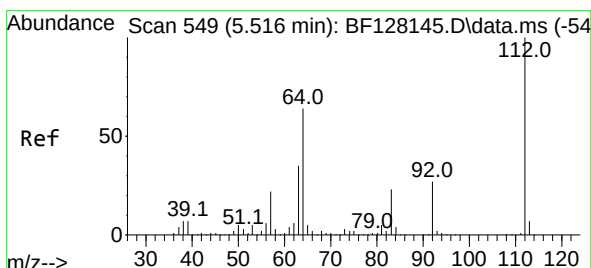
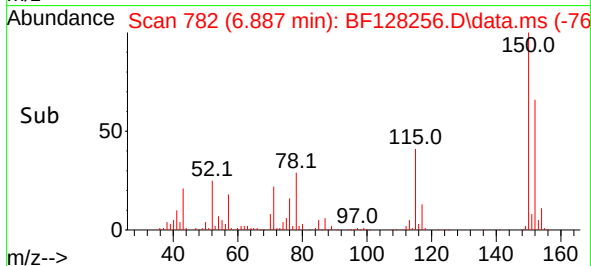
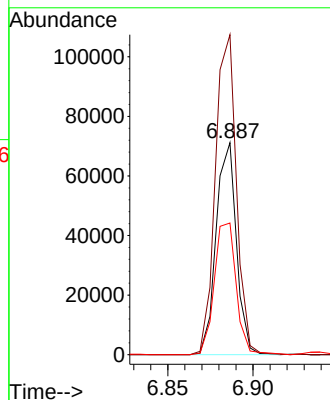
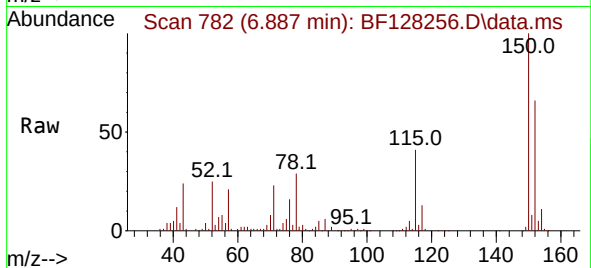




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF128256.D
 Acq: 13 May 2022 23:31

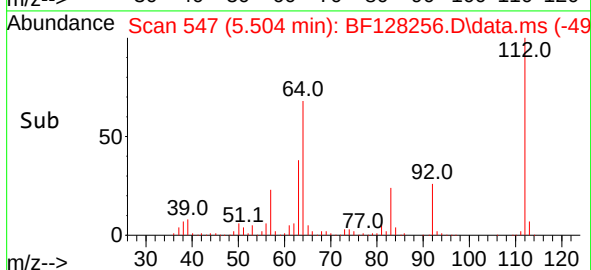
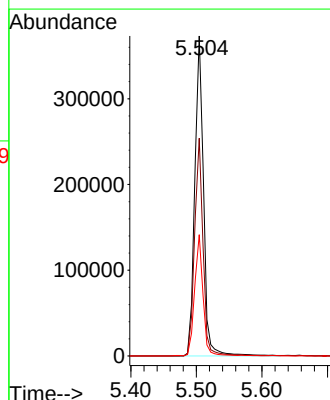
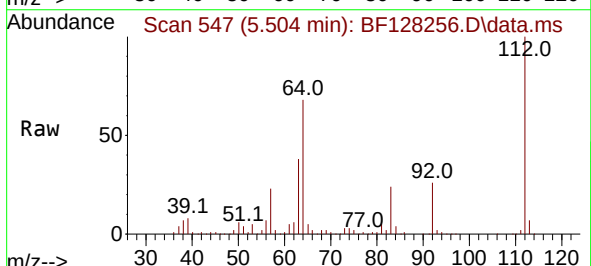
Instrument :
 BNA_F
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 PL-05-051222

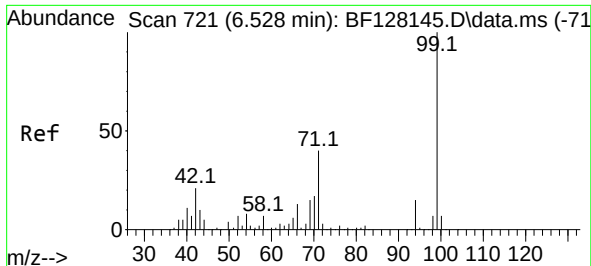
Tgt Ion:152 Resp: 58965
 Ion Ratio Lower Upper
 152 100
 150 151.0 125.3 187.9
 115 62.1 48.8 73.2



#5
 2-Fluorophenol
 Concen: 93.904 ng
 RT: 5.504 min Scan# 547
 Delta R.T. -0.006 min
 Lab File: BF128256.D
 Acq: 13 May 2022 23:31

Tgt Ion:112 Resp: 347337
 Ion Ratio Lower Upper
 112 100
 64 68.1 49.5 74.3
 63 37.9 26.3 39.5

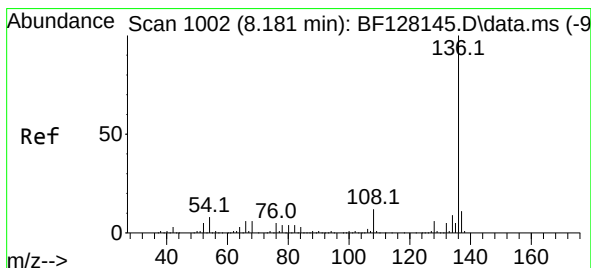
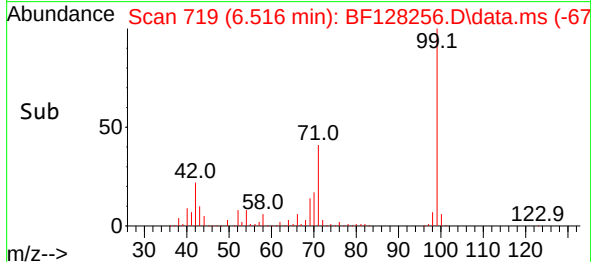
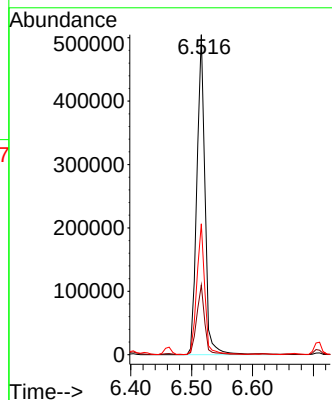
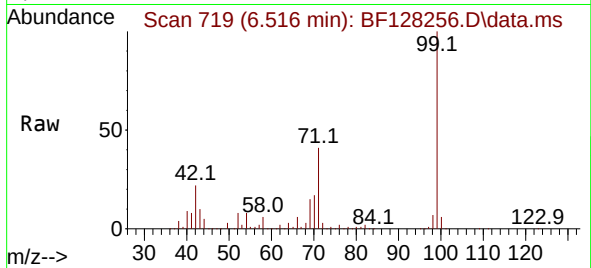




#7
Phenol-d6
Concen: 95.818 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

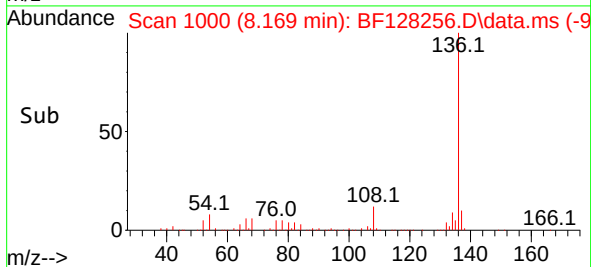
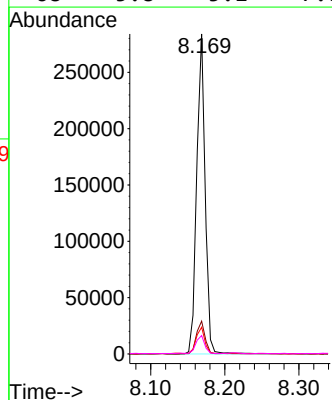
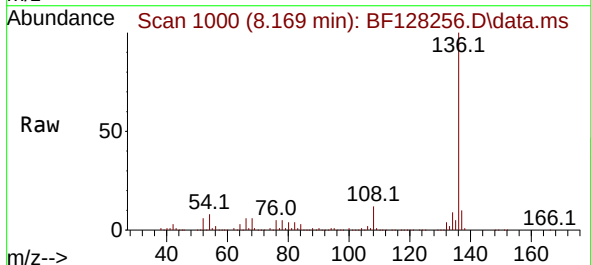
Instrument :
BNA_F
ClientSampleId :
PL-05-051222

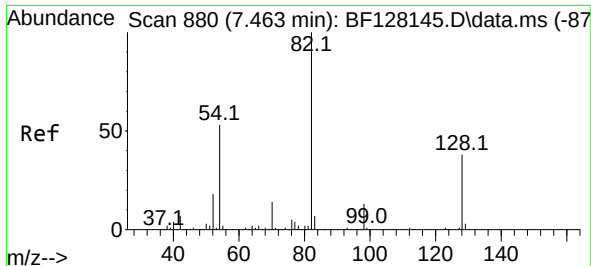
Tgt Ion: 99 Resp: 468775
Ion Ratio Lower Upper
99 100
42 21.8 16.6 24.8
71 40.9 30.0 45.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Tgt Ion: 136 Resp: 224620
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 8.3 6.8 10.2
68 5.8 5.1 7.7

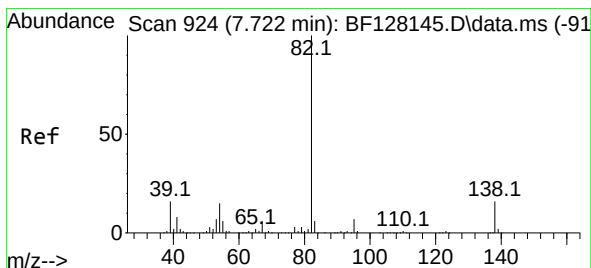
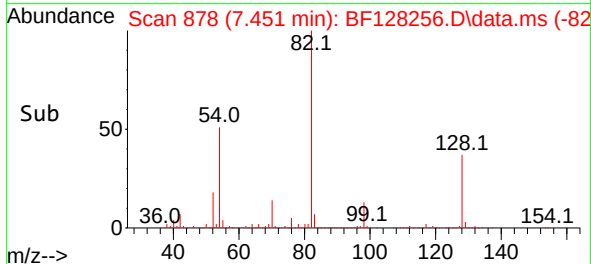
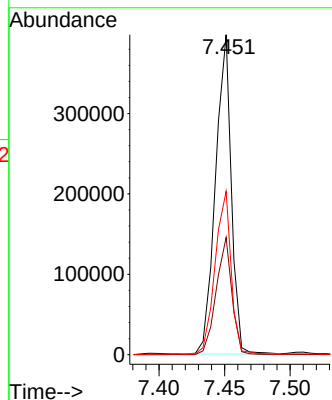
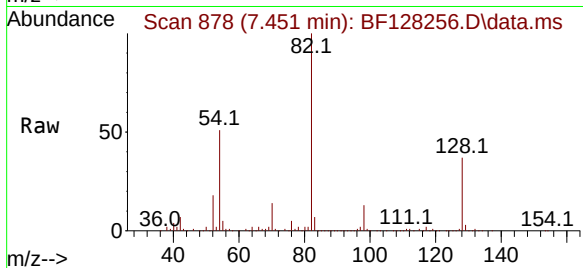




#23
Nitrobenzene-d5
Concen: 66.589 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

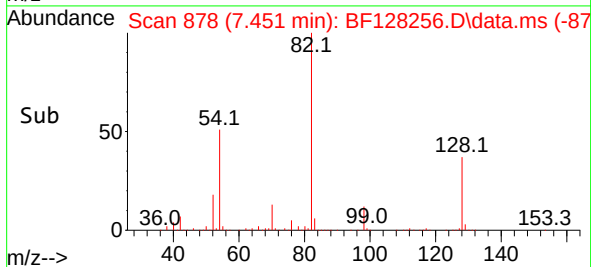
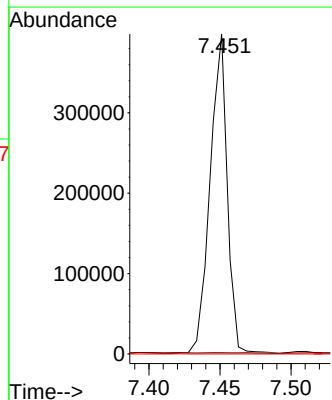
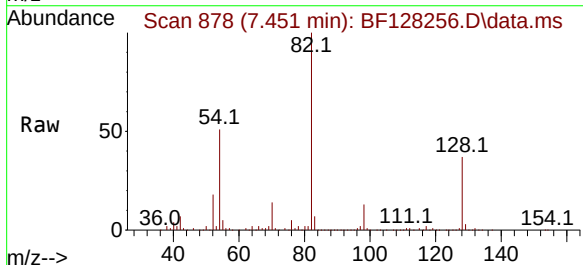
Instrument :
BNA_F
ClientSampleId :
PL-05-051222

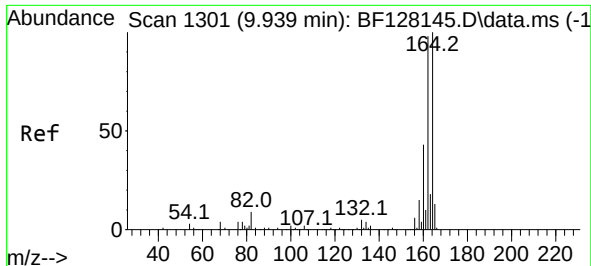
Tgt Ion: 82 Resp: 332410
Ion Ratio Lower Upper
82 100
128 36.6 30.0 45.0
54 51.1 41.3 61.9



#25
Isophorone
Concen: 42.443 ng
RT: 7.451 min Scan# 878
Delta R.T. -0.265 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Tgt Ion: 82 Resp: 332163
Ion Ratio Lower Upper
82 100
95 0.4 5.6 8.4#
138 0.0 12.5 18.7#

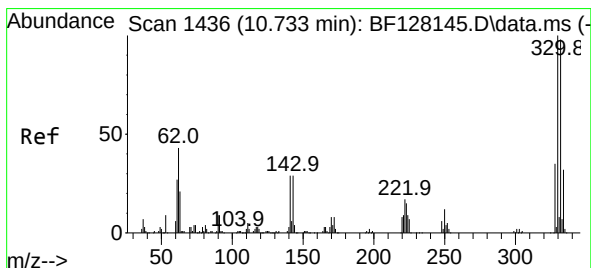
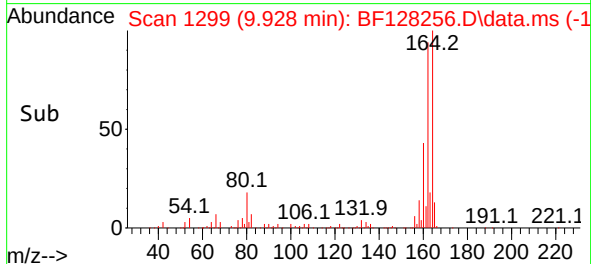
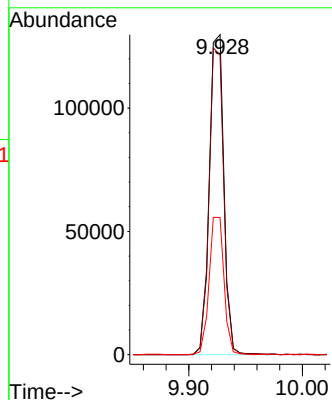
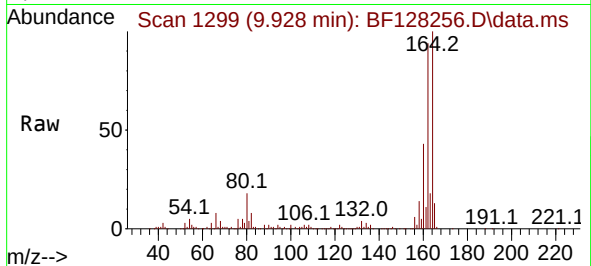




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

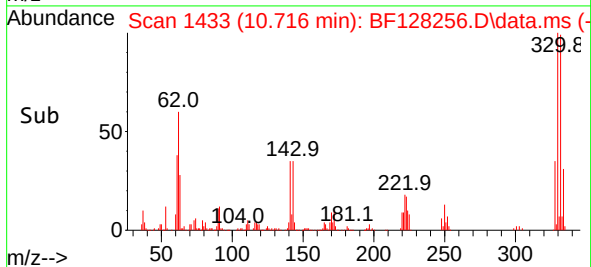
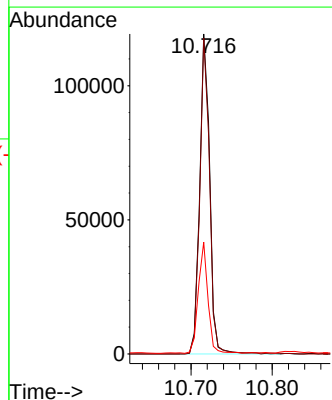
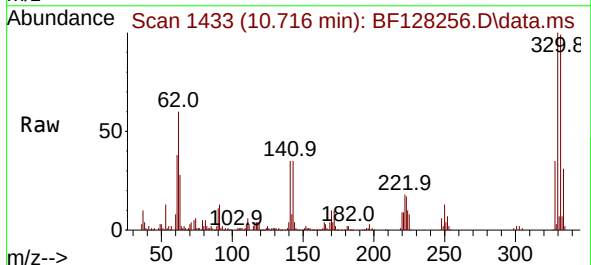
Instrument :
BNA_F
ClientSampleId :
PL-05-051222

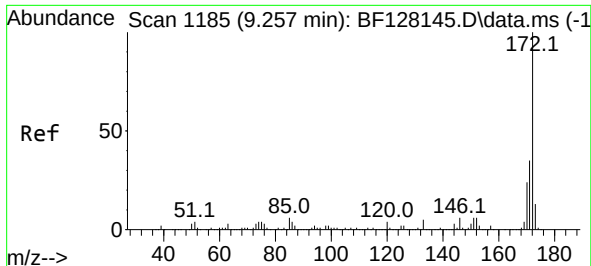
Tgt Ion:164 Resp: 115851
Ion Ratio Lower Upper
164 100
162 93.6 76.0 114.0
160 42.9 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 77.055 ng
RT: 10.716 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Tgt Ion:330 Resp: 102381
Ion Ratio Lower Upper
330 100
332 96.3 79.0 118.4
141 33.5 28.9 43.3

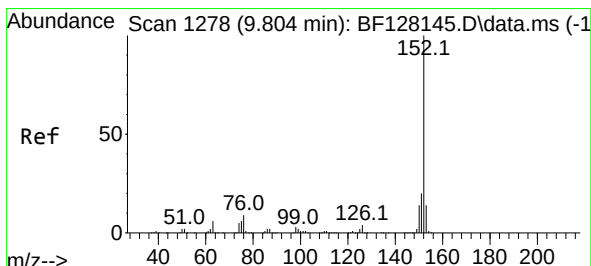
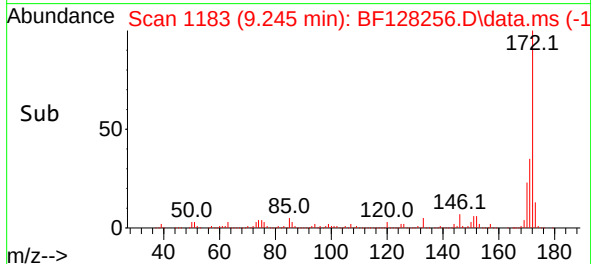
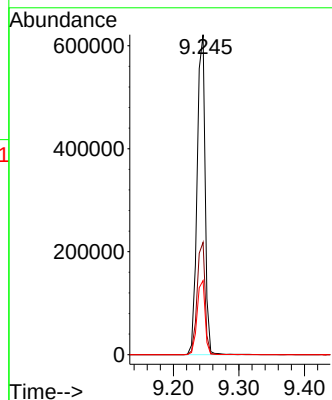
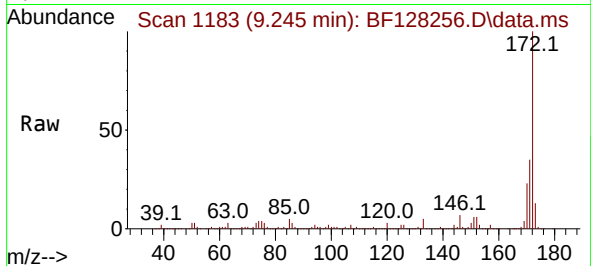




#45
2-Fluorobiphenyl
Concen: 71.441 ng
RT: 9.245 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

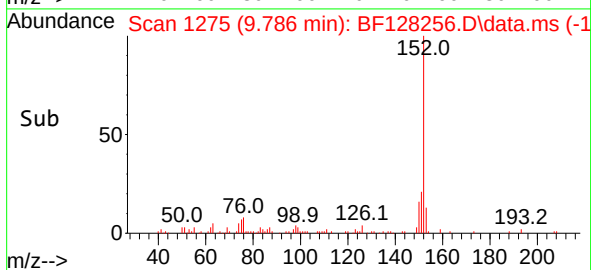
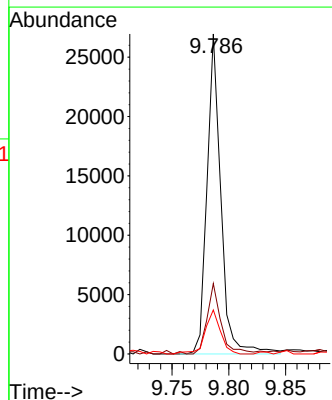
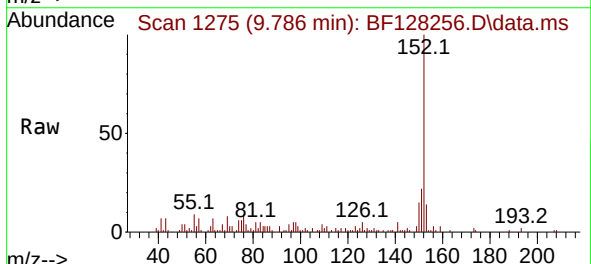
Instrument :
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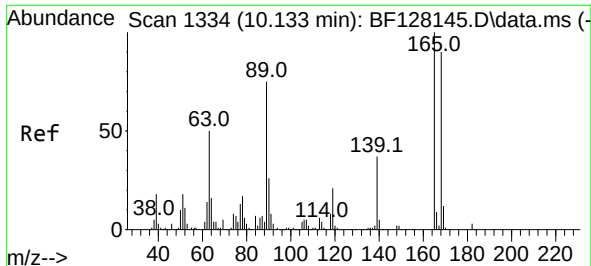
Tgt Ion:172 Resp: 528957
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.1 19.1 28.7



#49
Acenaphthylene
Concen: 2.419 ng
RT: 9.786 min Scan# 1275
Delta R.T. -0.012 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Tgt Ion:152 Resp: 22871
Ion Ratio Lower Upper
152 100
151 22.0 16.2 24.2
153 13.8 11.2 16.8

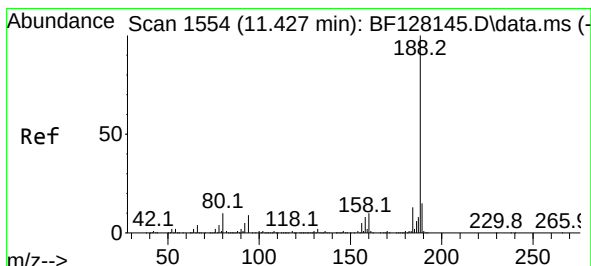
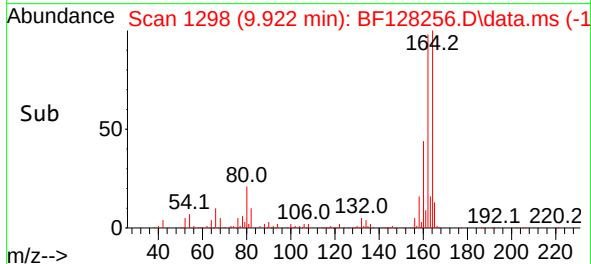
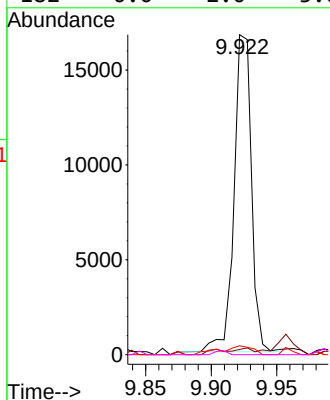
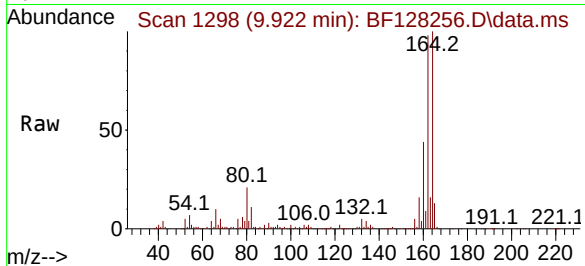




#57
2,4-Dinitrotoluene
Concen: 7.062 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

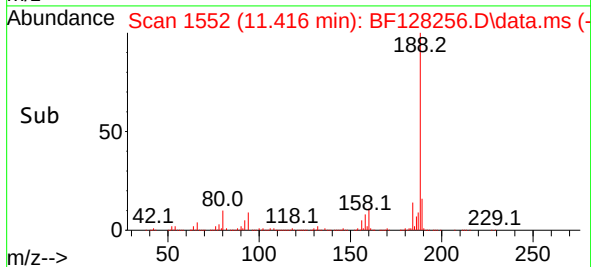
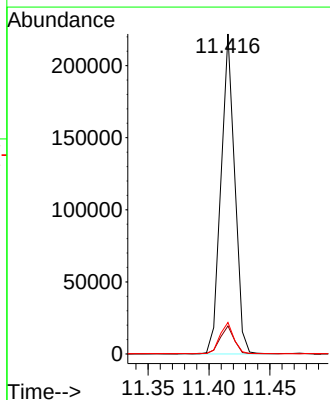
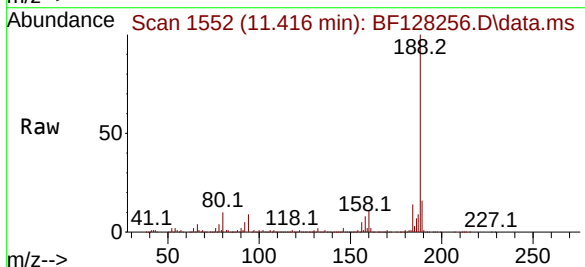
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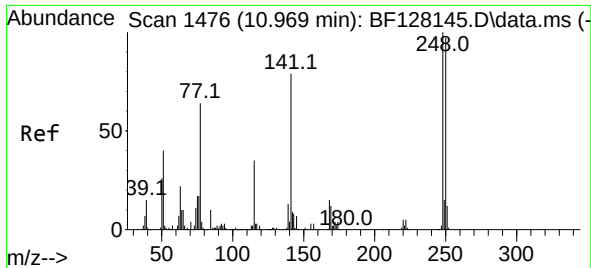
Tgt Ion:165 Resp: 15486
Ion Ratio Lower Upper
165 100
63 1.6 32.6 49.0#
89 2.8 55.2 82.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1552
Delta R.T. -0.006 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Tgt Ion:188 Resp: 175696
Ion Ratio Lower Upper
188 100
94 8.7 8.0 12.0
80 9.9 8.9 13.3

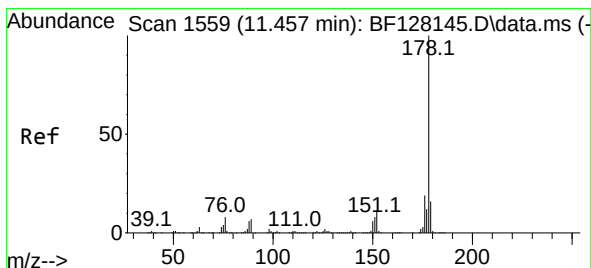
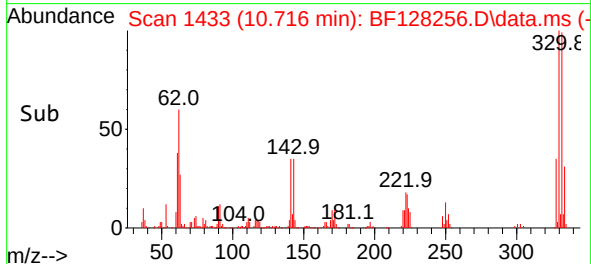
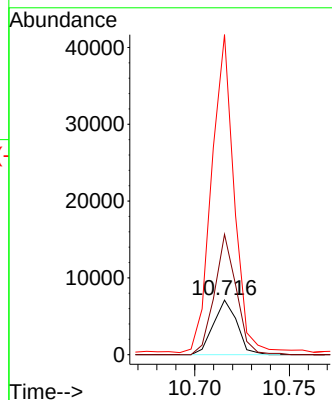
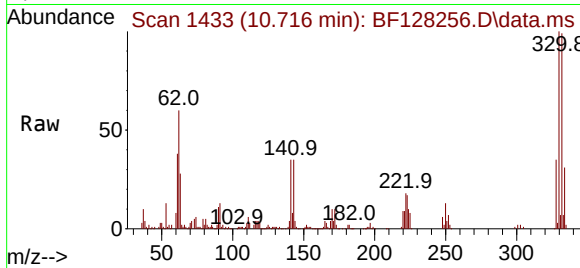




#67
4-Bromophenyl-phenylether
Concen: 3.254 ng
RT: 10.716 min Scan# 1476
Delta R.T. -0.247 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

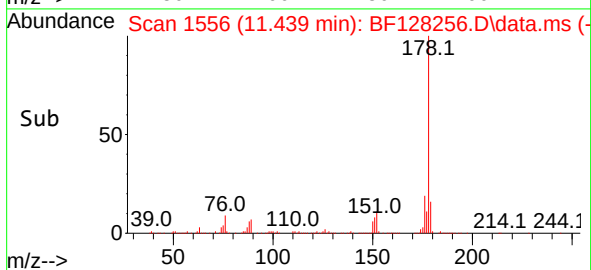
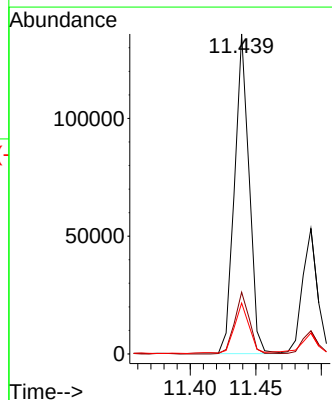
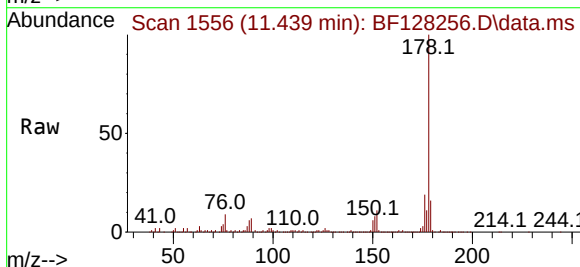
Instrument :
BNA_F
ClientSampleId :
PL-05-051222

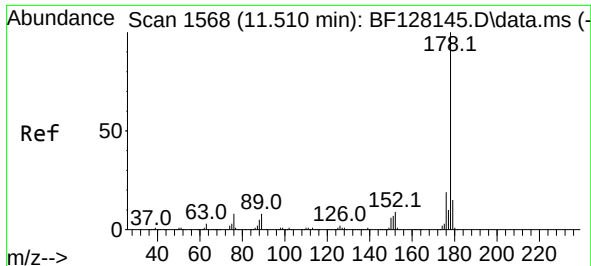
Tgt Ion:248 Resp: 6150
Ion Ratio Lower Upper
248 100
250 220.2 77.7 116.5#
141 586.0 65.6 98.4#



#71
Phenanthrene
Concen: 12.045 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.012 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Tgt Ion:178 Resp: 105380
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.9 12.6 19.0

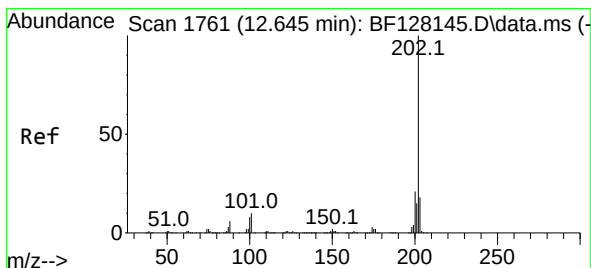
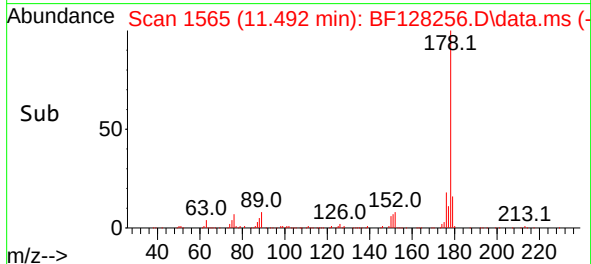
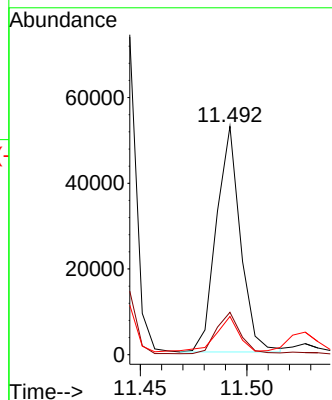
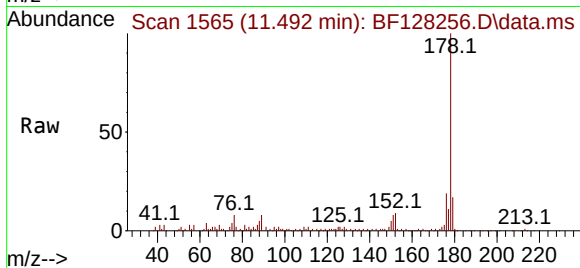




#72
 Anthracene
 Concen: 4.759 ng
 RT: 11.492 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128256.D
 Acq: 13 May 2022 23:31

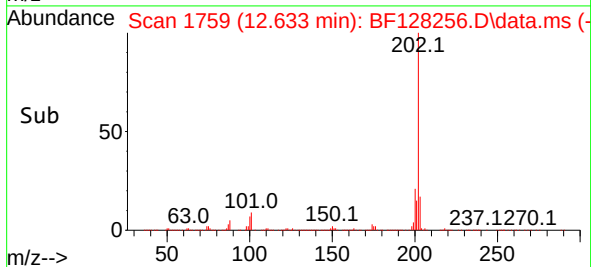
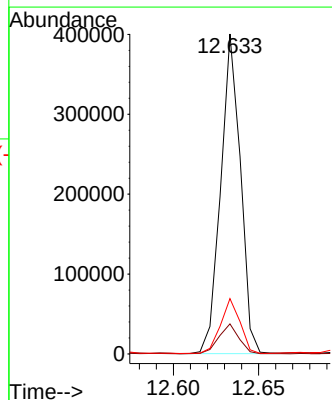
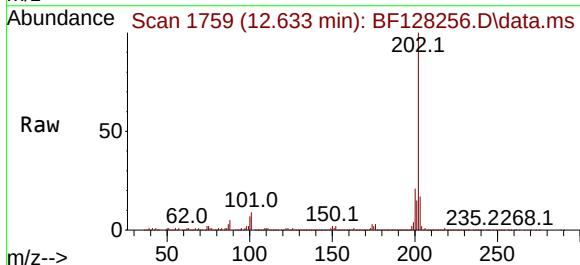
Instrument :
 BNA_F
 ClientSampleId :
 PL-05-051222

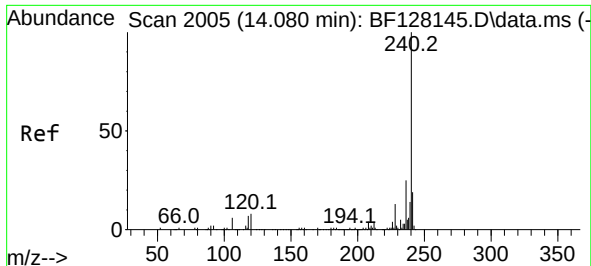
Tgt Ion:178 Resp: 41572
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.6
 179 16.8 12.4 18.6



#75
 Fluoranthene
 Concen: 33.992 ng
 RT: 12.633 min Scan# 1759
 Delta R.T. -0.006 min
 Lab File: BF128256.D
 Acq: 13 May 2022 23:31

Tgt Ion:202 Resp: 322412
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 31.6
 203 17.3 0.0 38.1

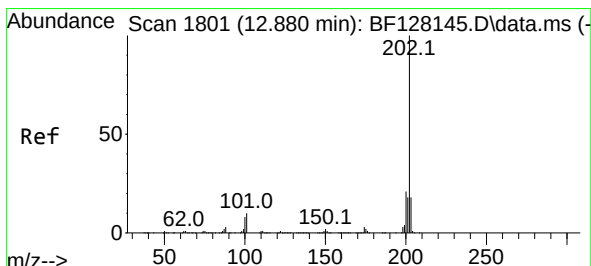
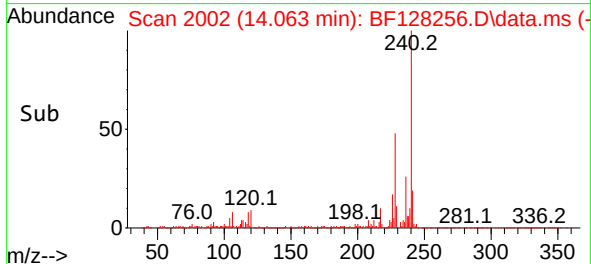
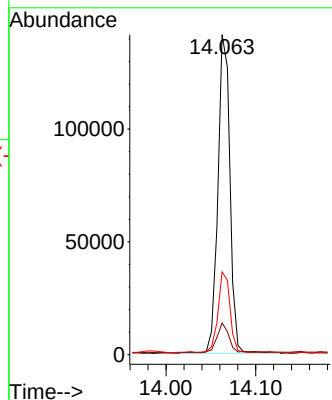
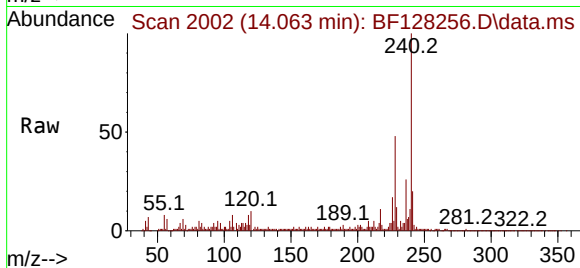




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

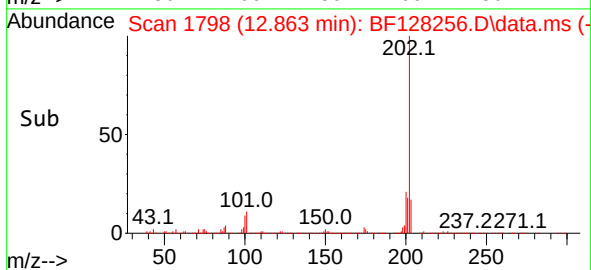
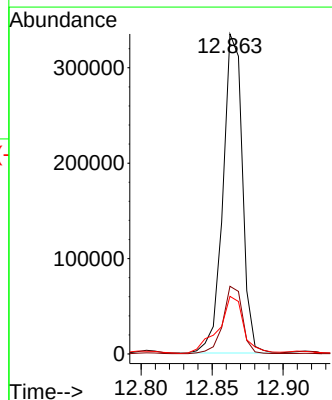
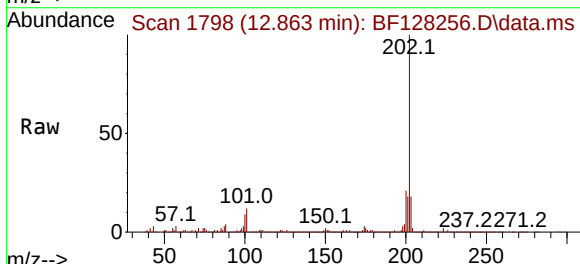
Instrument :
BNA_F
ClientSampleId :
PL-05-051222

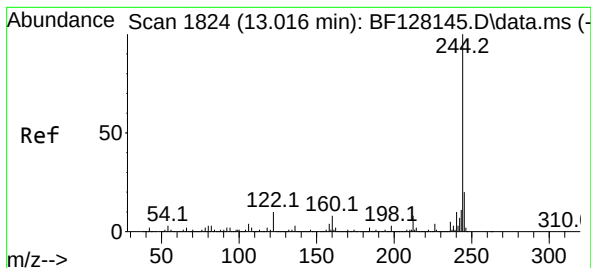
Tgt Ion:240 Resp: 131641
Ion Ratio Lower Upper
240 100
120 9.9 7.0 10.6
236 25.9 20.3 30.5



#78
Pyrene
Concen: 33.284 ng
RT: 12.863 min Scan# 1798
Delta R.T. -0.006 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Tgt Ion:202 Resp: 317696
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 18.0 14.0 21.0





#79

Terphenyl-d14

Concen: 68.010 ng

RT: 13.004 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128256.D

Acq: 13 May 2022 23:31

Instrument :

BNA_F

ClientSampleId :

PL-05-051222

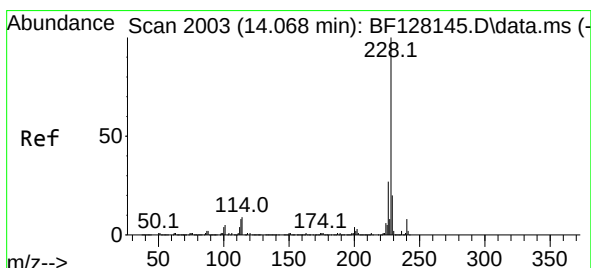
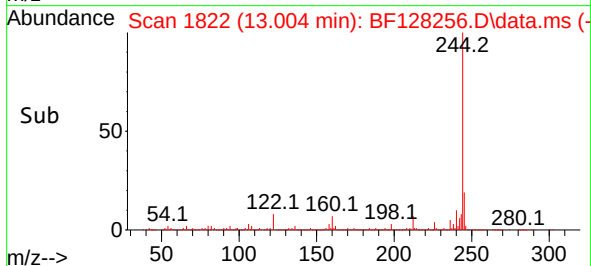
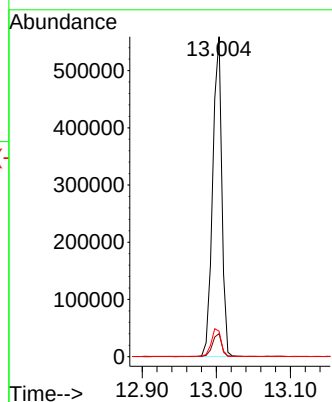
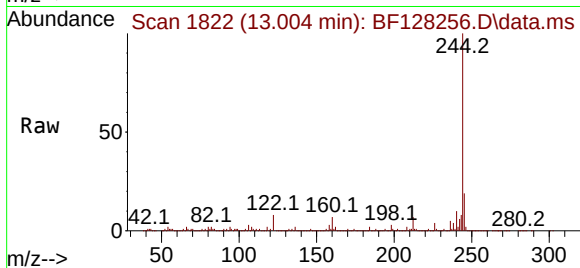
Tgt Ion:244 Resp: 477131

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.4

122 8.0 8.6 12.8#



#81

Benzo(a)anthracene

Concen: 21.335 ng

RT: 14.057 min Scan# 2001

Delta R.T. -0.000 min

Lab File: BF128256.D

Acq: 13 May 2022 23:31

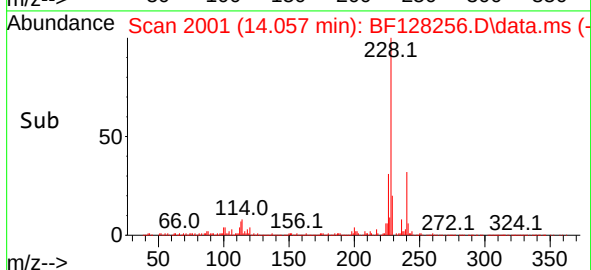
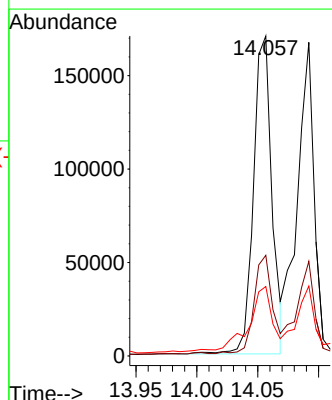
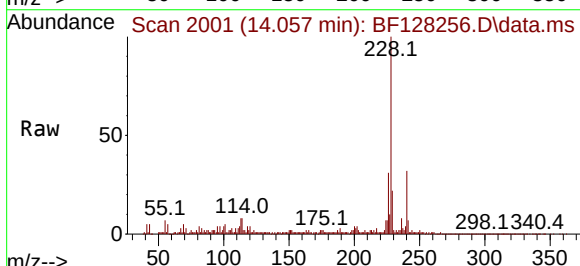
Tgt Ion:228 Resp: 179393

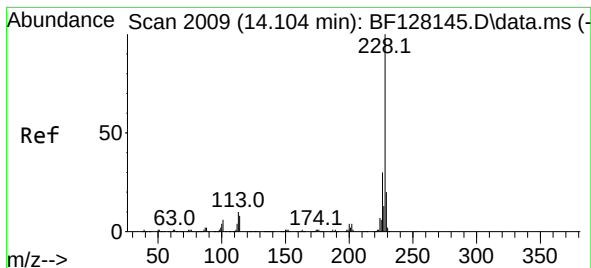
Ion Ratio Lower Upper

228 100

226 31.5 21.7 32.5

229 21.7 15.4 23.2





#83

Chrysene

Concen: 20.132 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF128256.D

Acq: 13 May 2022 23:31

Instrument :

BNA_F

ClientSampleId :

PL-05-051222

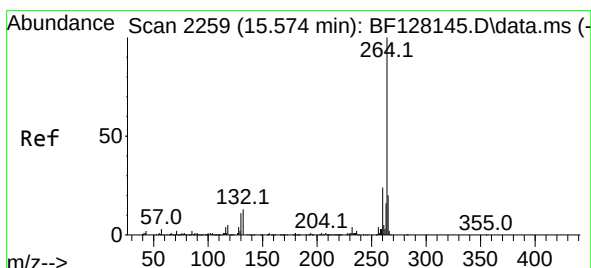
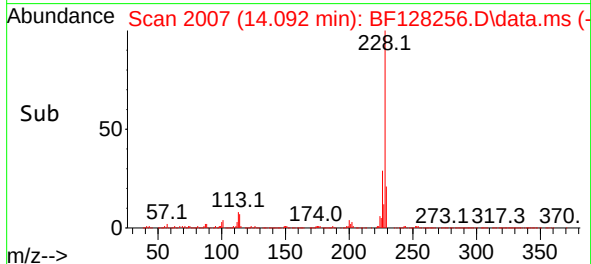
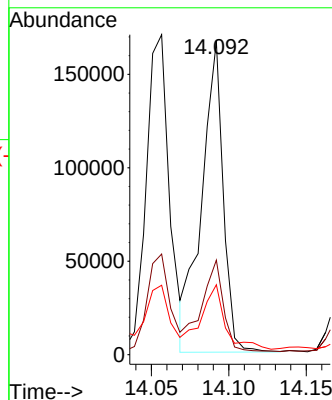
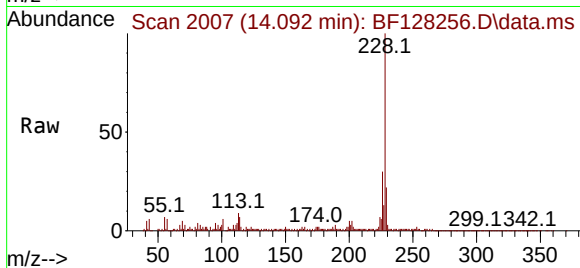
Tgt Ion:228 Resp: 161512

Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

229 22.3 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2257

Delta R.T. -0.000 min

Lab File: BF128256.D

Acq: 13 May 2022 23:31

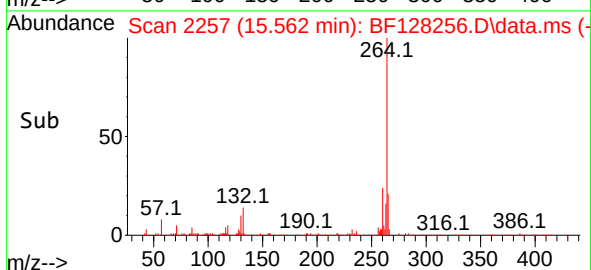
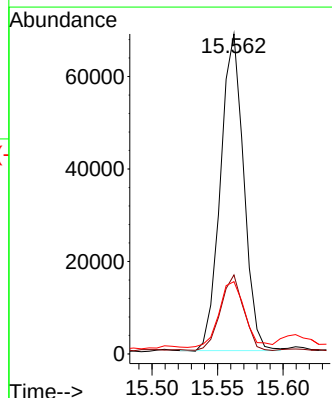
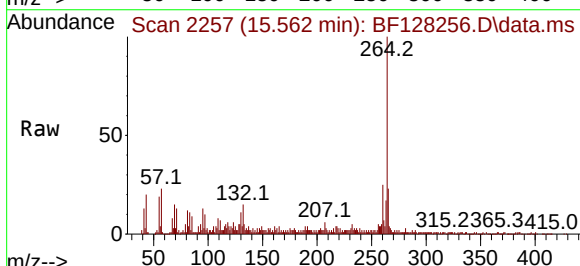
Tgt Ion:264 Resp: 84209

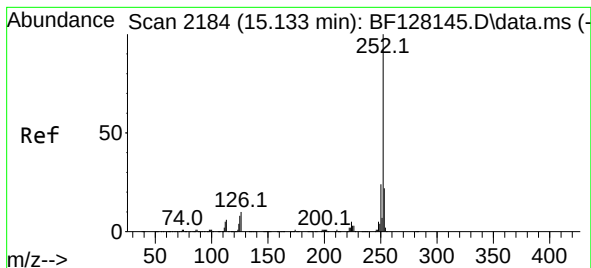
Ion Ratio Lower Upper

264 100

260 24.7 20.1 30.1

265 22.6 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 47.387 ng

RT: 15.121 min Scan# 2182

Delta R.T. -0.000 min

Lab File: BF128256.D

Acq: 13 May 2022 23:31

Instrument :

BNA_F

ClientSampleId :

PL-05-051222

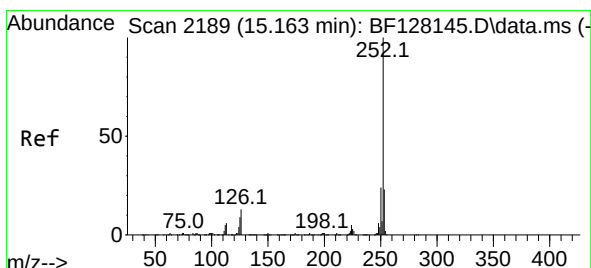
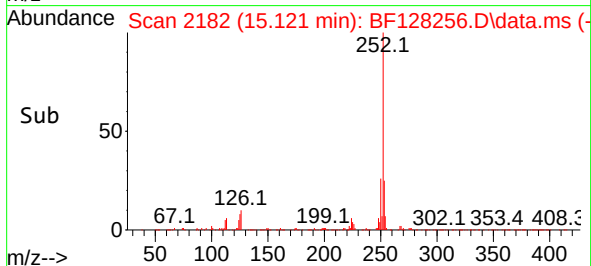
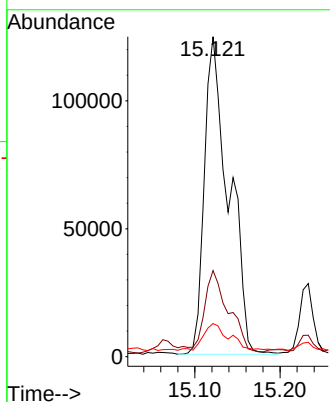
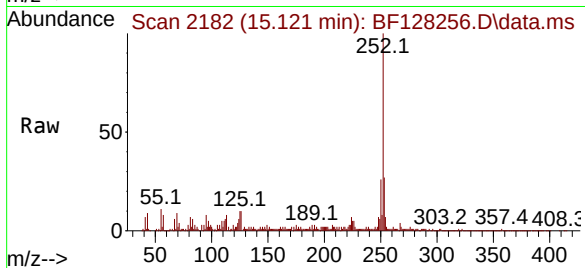
Tgt Ion:252 Resp: 247364

Ion Ratio Lower Upper

252 100

253 26.9 17.4 26.2#

125 10.3 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 48.005 ng

RT: 15.121 min Scan# 2182

Delta R.T. -0.029 min

Lab File: BF128256.D

Acq: 13 May 2022 23:31

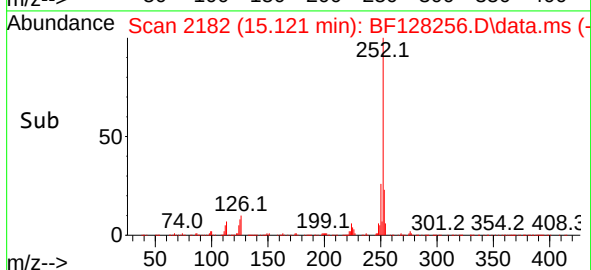
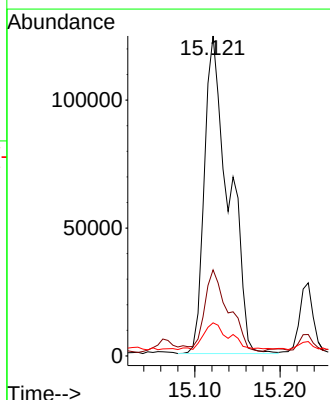
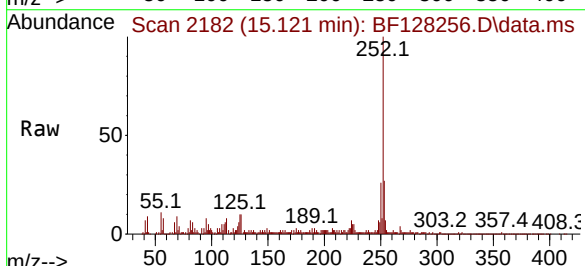
Tgt Ion:252 Resp: 247364

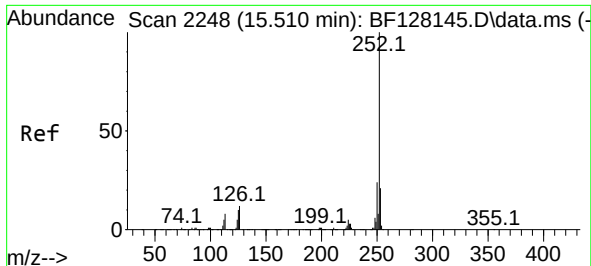
Ion Ratio Lower Upper

252 100

253 26.9 17.0 25.4#

125 10.3 6.8 10.2#

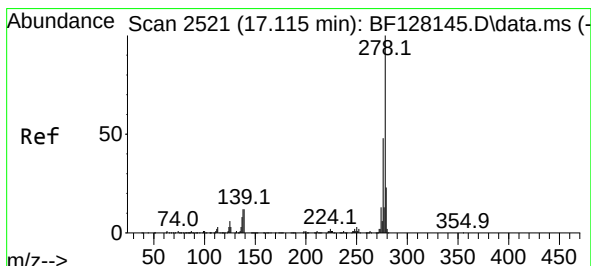
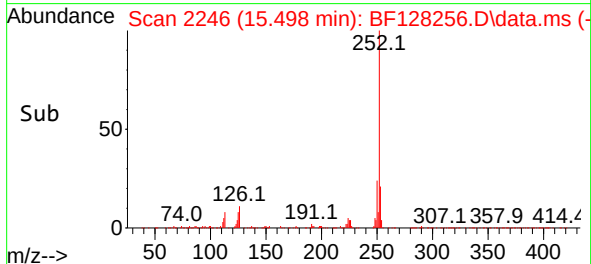
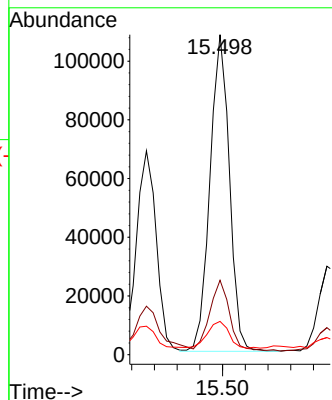
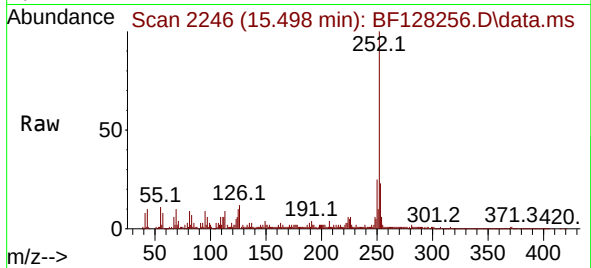




#90
Benzo(a)pyrene
Concen: 30.405 ng
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

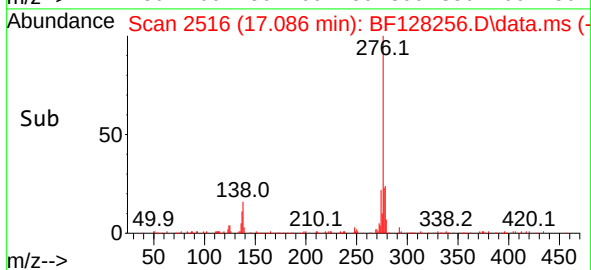
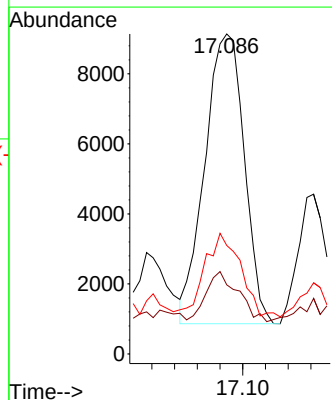
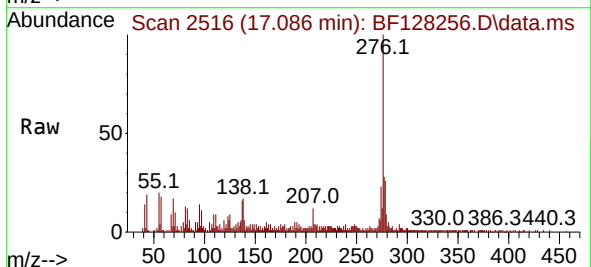
Instrument :
BNA_F
ClientSampleId :
PL-05-051222

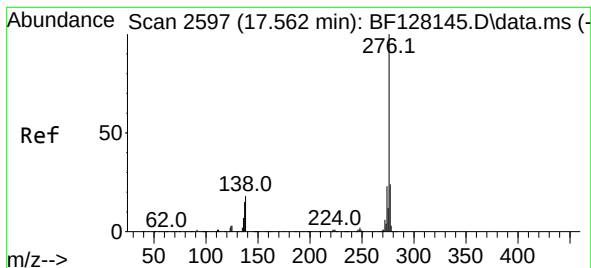
Tgt Ion:252 Resp: 128135
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 10.4 9.2 13.8



#91
Dibenzo(a,h)anthracene
Concen: 4.836 ng
RT: 17.086 min Scan# 2516
Delta R.T. -0.012 min
Lab File: BF128256.D
Acq: 13 May 2022 23:31

Tgt Ion:278 Resp: 19943
Ion Ratio Lower Upper
278 100
139 21.6 12.6 19.0#
279 33.9 18.9 28.3#





#92

Benzo(g,h,i)perylene

Concen: 17.677 ng

RT: 17.545 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128256.D

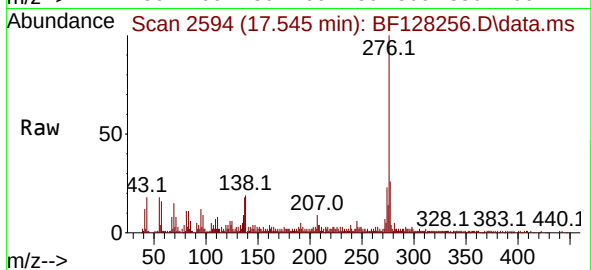
Acq: 13 May 2022 23:31

Instrument :

BNA_F

ClientSampleId :

PL-05-051222



Tgt Ion:276 Resp: 73814

Ion Ratio Lower Upper

276 100

277 25.8 18.8 28.2

138 18.6 16.2 24.2

