

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
 Data File : BF129756.D
 Acq On : 12 Aug 2022 21:35
 Operator : CG\JU
 Sample : N4152-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081022

Quant Time: Aug 13 02:09:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 12 15:52:45 2022
 Response via : Initial Calibration

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

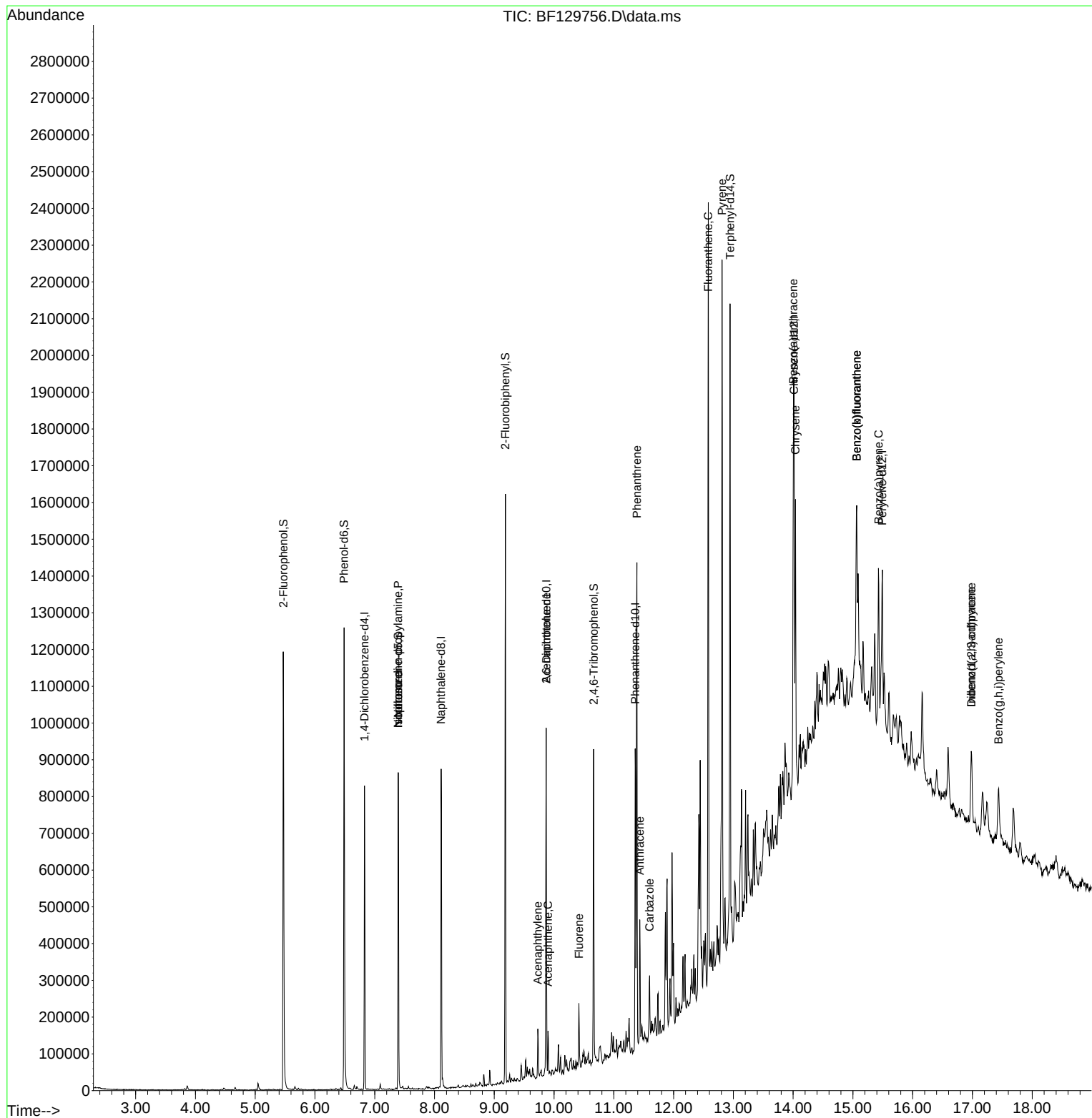
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	111981	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	376447	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	170407	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	303445	20.000	ng	0.00
76) Chrysene-d12	14.016	240	245434	20.000	ng	0.00
86) Perylene-d12	15.492	264	175604	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	360166	52.394	ng	0.00
7) Phenol-d6	6.487	99	410171	47.471	ng	0.00
23) Nitrobenzene-d5	7.393	82	245498	35.600	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	88888	54.255	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	432433	39.256	ng	0.00
79) Terphenyl-d14	12.945	244	535143	41.135	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.393	70	32552	6.223	ng	# 76
25) Isophorone	7.393	82	245495	19.860	ng	# 65
49) Acenaphthylene	9.728	152	48219	3.156	ng	97
51) 2,6-Dinitrotoluene	9.869	165	23966	9.102	ng	# 26
52) Acenaphthene	9.898	154	22697	2.275	ng	97
58) Fluorene	10.416	166	43568	3.959	ng	99
71) Phenanthrene	11.386	178	476703	28.779	ng	98
72) Anthracene	11.433	178	129677	7.966	ng	98
73) Carbazole	11.598	167	62701	4.092	ng	99
75) Fluoranthene	12.580	202	753627	44.903	ng	99
78) Pyrene	12.810	202	750658	36.575	ng	98
81) Benzo(a)anthracene	14.004	228	322625	19.243	ng	96
83) Chrysene	14.039	228	262163	16.592	ng	97
87) Indeno(1,2,3-cd)pyrene	16.980	276	106806	9.032	ng	95
88) Benzo(b)fluoranthene	15.063	252	339898	29.180	ng	# 89
89) Benzo(k)fluoranthene	15.063	252	339898	29.776	ng	# 89
90) Benzo(a)pyrene	15.427	252	182884	19.341	ng	# 92
91) Dibenzo(a,h)anthracene	16.980	278	32093	3.334	ng	# 62
92) Benzo(g,h,i)perylene	17.439	276	106980	10.878	ng	96

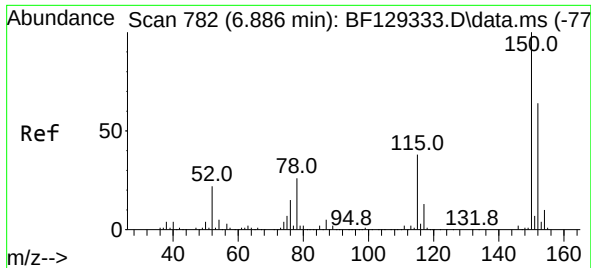
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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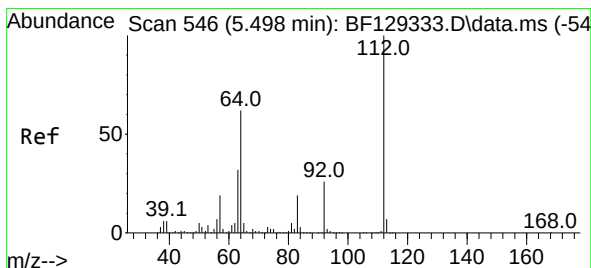
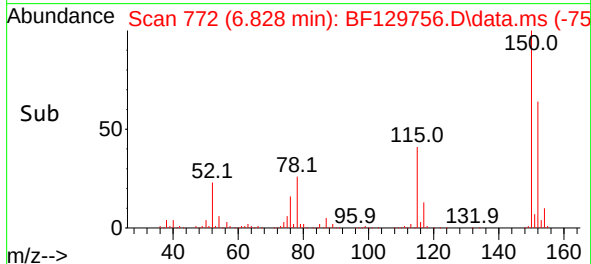
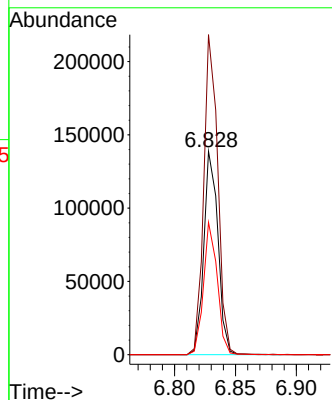
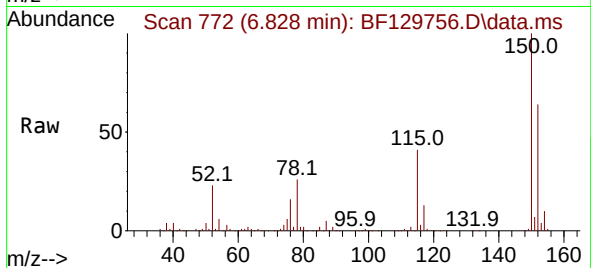




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF129756.D
 Acq: 12 Aug 2022 21:35

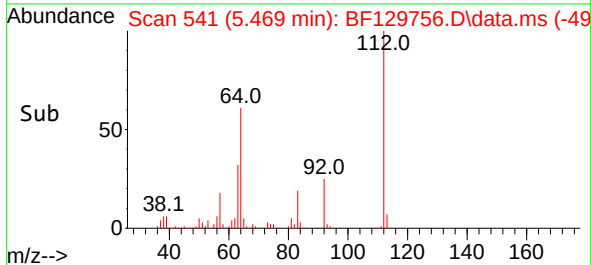
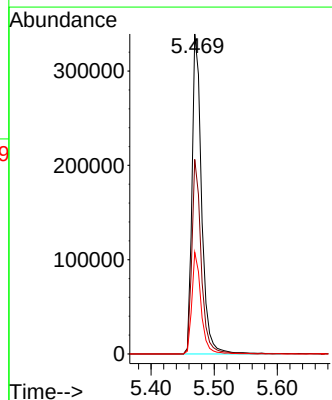
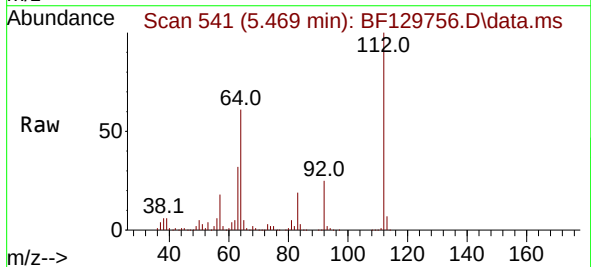
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081022

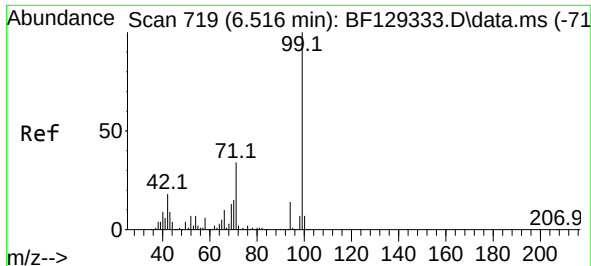
Tgt Ion:152 Resp: 111981
 Ion Ratio Lower Upper
 152 100
 150 157.4 123.7 185.5
 115 65.1 49.9 74.9



#5
 2-Fluorophenol
 Concen: 52.394 ng
 RT: 5.469 min Scan# 541
 Delta R.T. 0.000 min
 Lab File: BF129756.D
 Acq: 12 Aug 2022 21:35

Tgt Ion:112 Resp: 360166
 Ion Ratio Lower Upper
 112 100
 64 60.8 53.3 79.9
 63 31.8 28.0 42.0

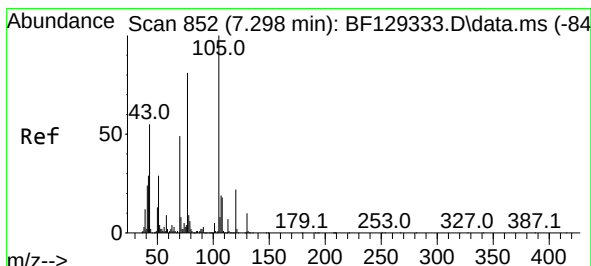
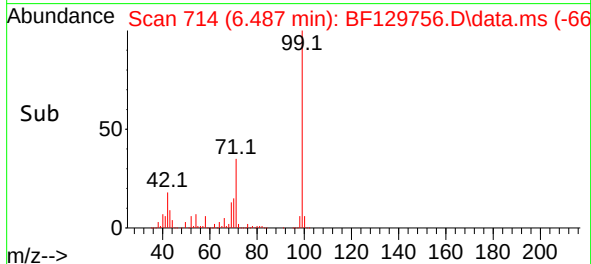
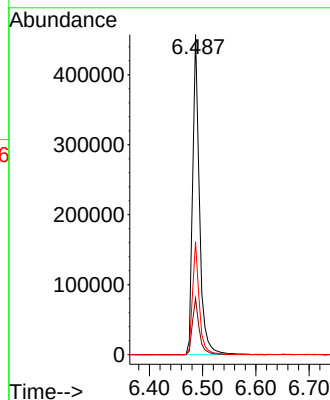
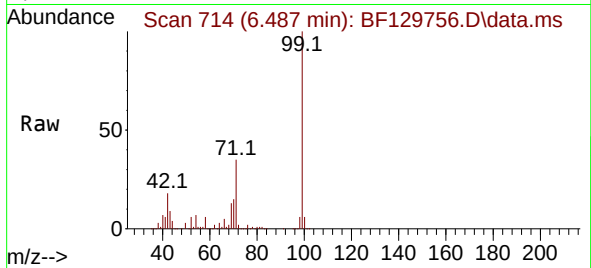




#7
Phenol-d6
Concen: 47.471 ng
RT: 6.487 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

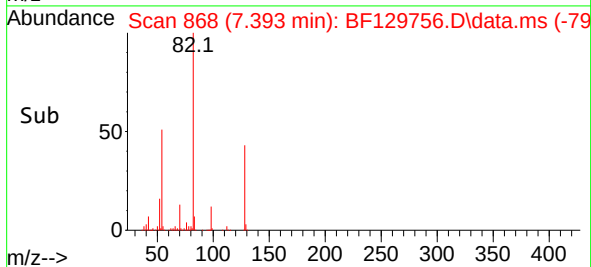
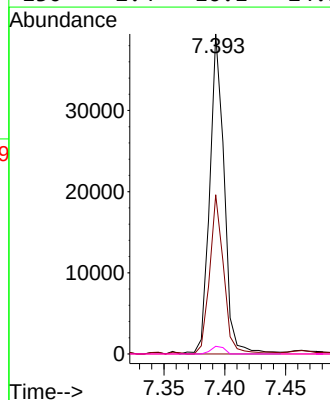
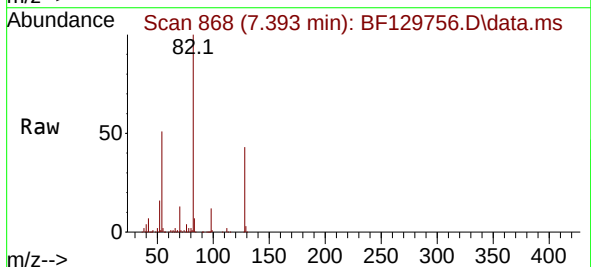
Instrument :
BNA_F
ClientSampleId :
EO-02-081022

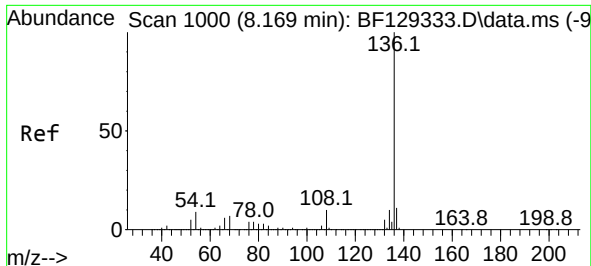
Tgt Ion: 99 Resp: 410171
Ion Ratio Lower Upper
99 100
42 17.6 17.3 25.9
71 35.3 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 6.223 ng
RT: 7.393 min Scan# 868
Delta R.T. 0.141 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

Tgt Ion: 70 Resp: 32552
Ion Ratio Lower Upper
70 100
42 49.8 52.3 78.5#
101 0.0 7.5 11.3#
130 2.4 16.1 24.1#



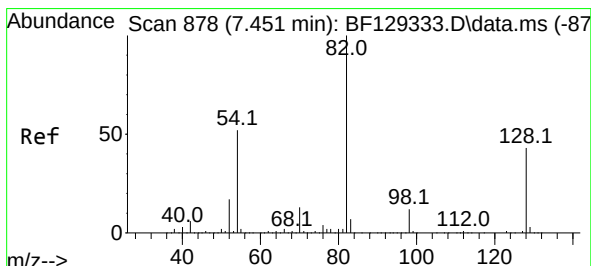
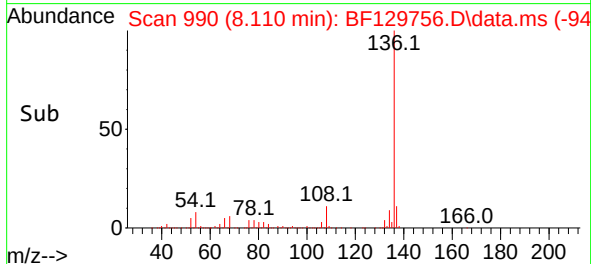
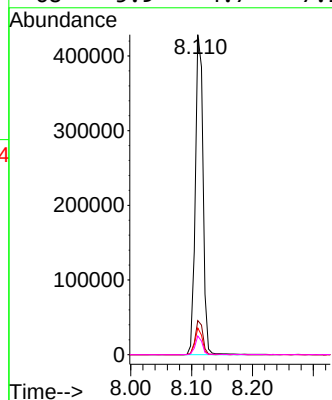
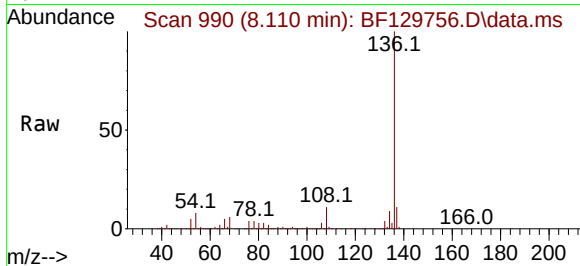


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

Instrument :
BNA_F
ClientSampleId :
EO-02-081022

Tgt Ion:136 Resp: 376447

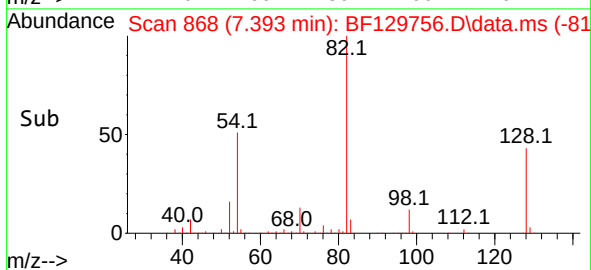
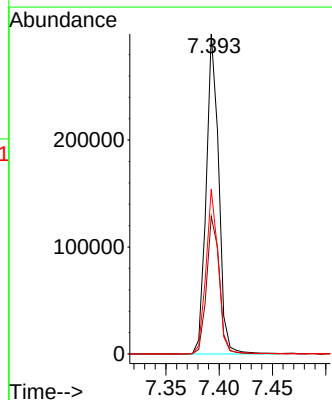
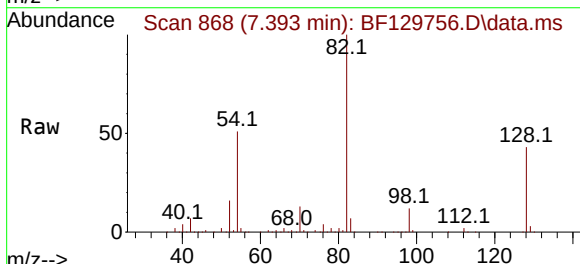
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.3	7.5	11.3
68	5.9	4.7	7.1

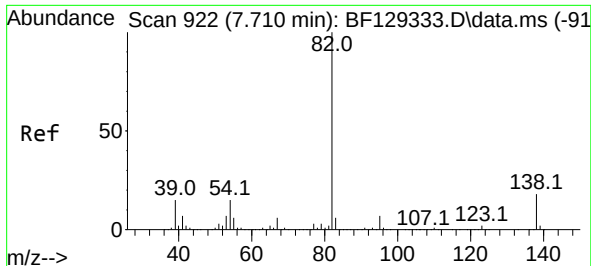


#23
Nitrobenzene-d5
Concen: 35.600 ng
RT: 7.393 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

Tgt Ion: 82 Resp: 245498

Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.0	51.0
54	51.5	46.9	70.3

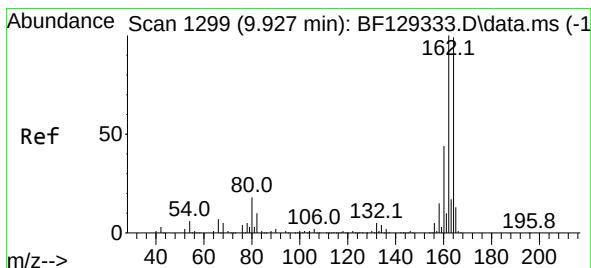
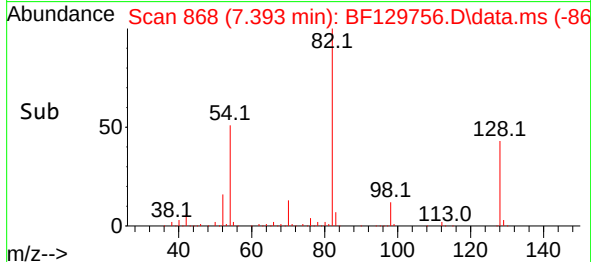
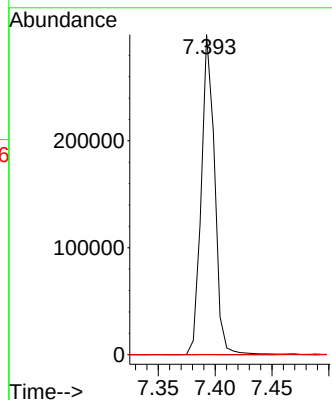
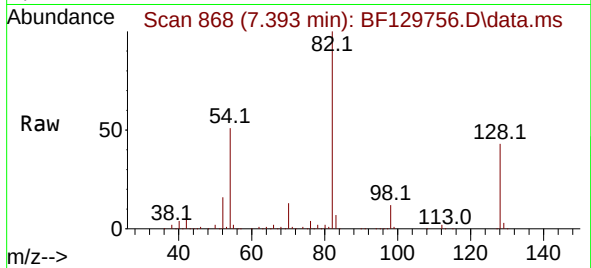




#25
Isophorone
Concen: 19.860 ng
RT: 7.393 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

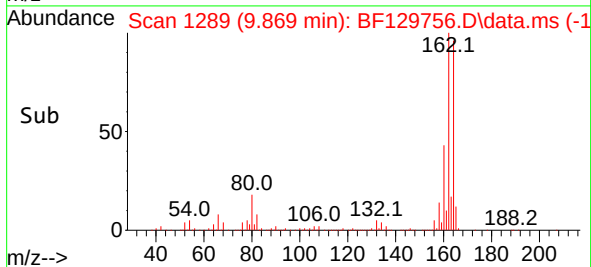
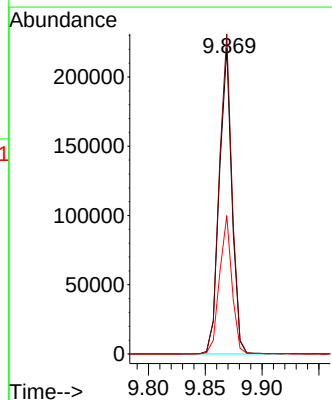
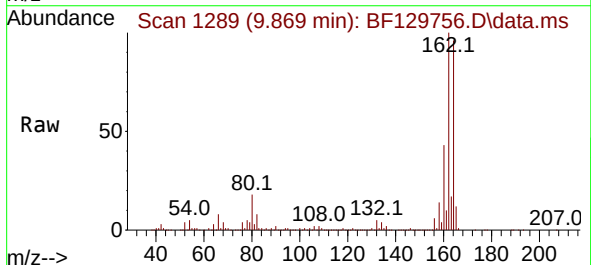
Instrument :
BNA_F
ClientSampleId :
EO-02-081022

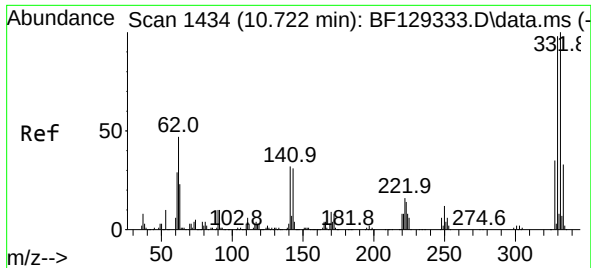
Tgt Ion: 82 Resp: 245495
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

Tgt Ion: 164 Resp: 170407
Ion Ratio Lower Upper
164 100
162 104.7 79.5 119.3
160 45.3 34.2 51.4

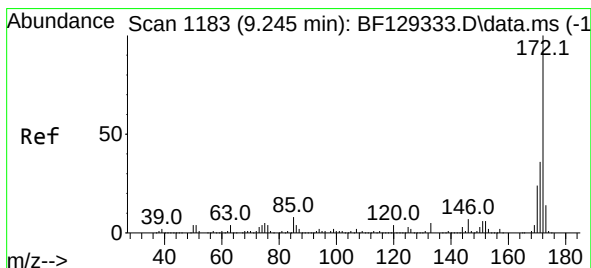
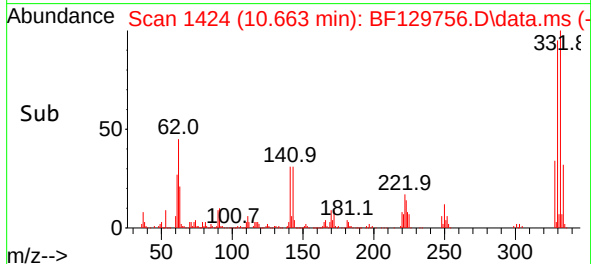
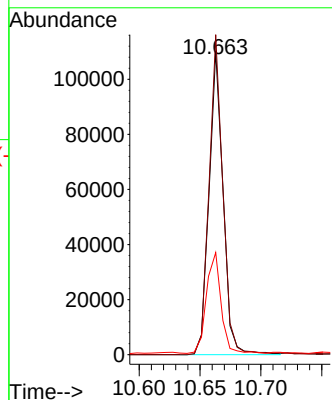
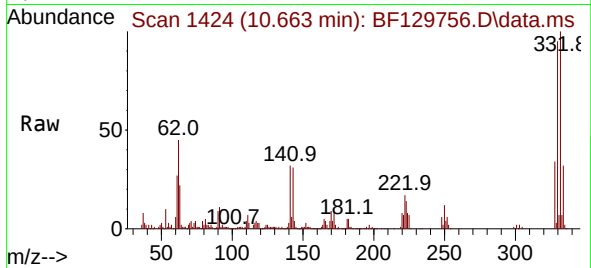




#42
2,4,6-Tribromophenol
Concen: 54.255 ng
RT: 10.663 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

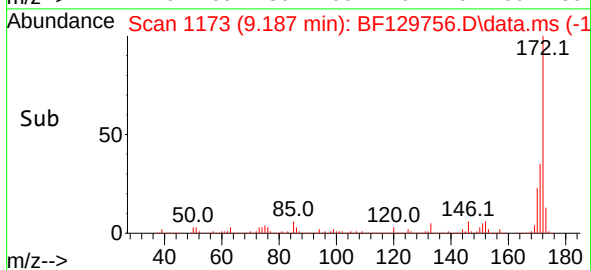
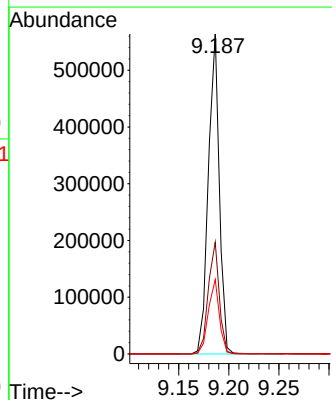
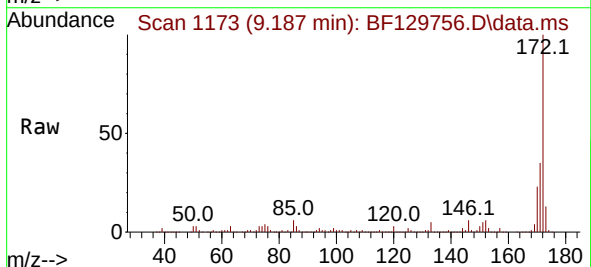
Instrument :
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ClientSampleId :
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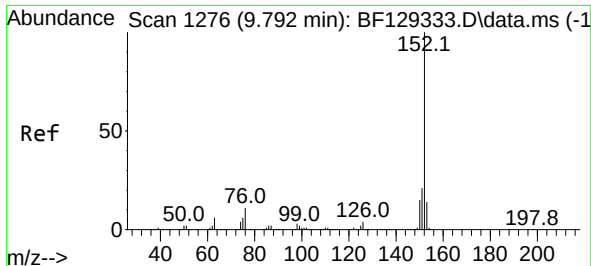
Tgt Ion:330 Resp: 88888
Ion Ratio Lower Upper
330 100
332 103.8 76.8 115.2
141 34.5 28.0 42.0



#45
2-Fluorobiphenyl
Concen: 39.256 ng
RT: 9.187 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

Tgt Ion:172 Resp: 432433
Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 23.3 19.8 29.8





#49

Acenaphthylene

Concen: 3.156 ng

RT: 9.728 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

Instrument :

BNA_F

ClientSampleId :

EO-02-081022

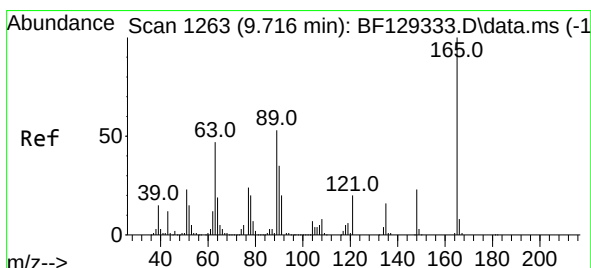
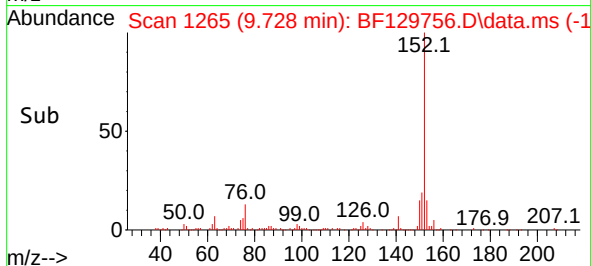
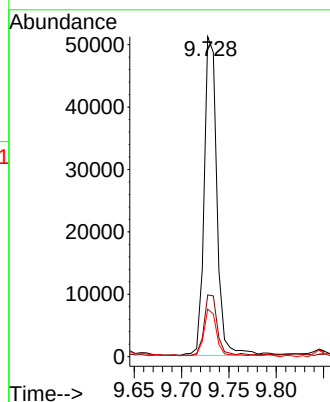
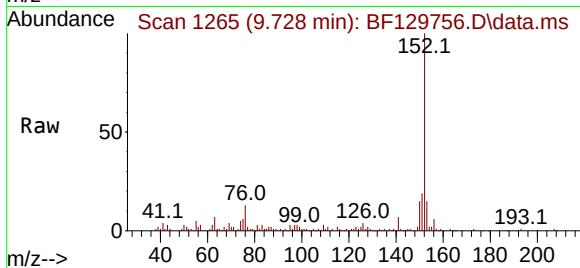
Tgt Ion:152 Resp: 48219

Ion Ratio Lower Upper

152 100

151 19.3 16.2 24.4

153 14.9 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 9.102 ng

RT: 9.869 min Scan# 1289

Delta R.T. 0.206 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

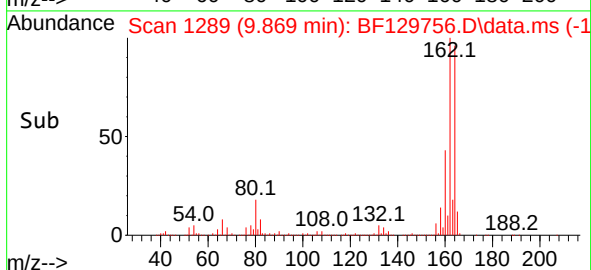
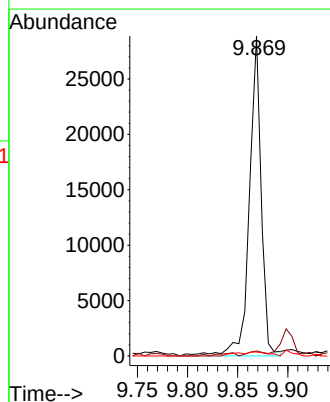
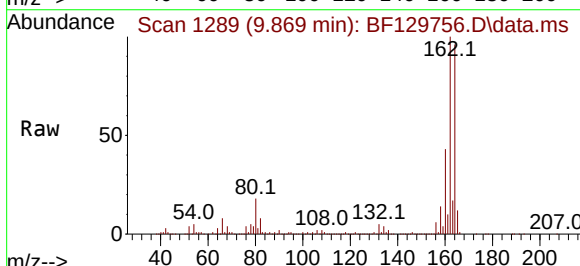
Tgt Ion:165 Resp: 23966

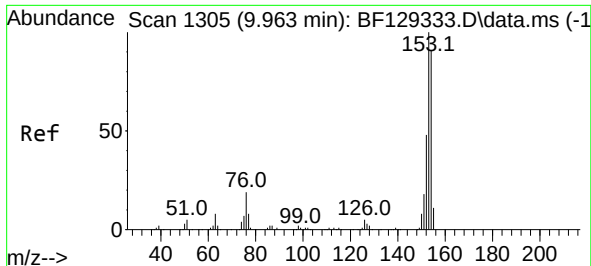
Ion Ratio Lower Upper

165 100

63 1.6 44.9 67.3#

89 1.3 43.6 65.4#

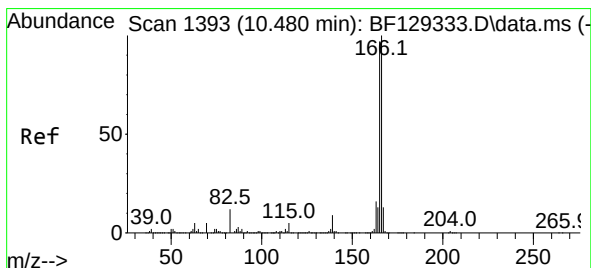
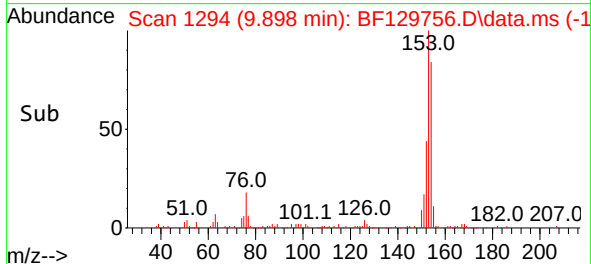
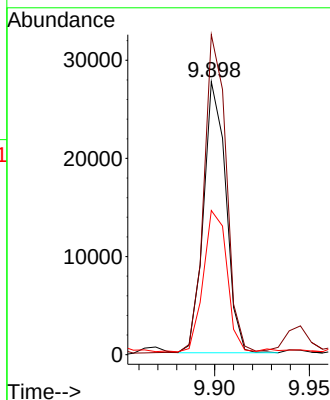
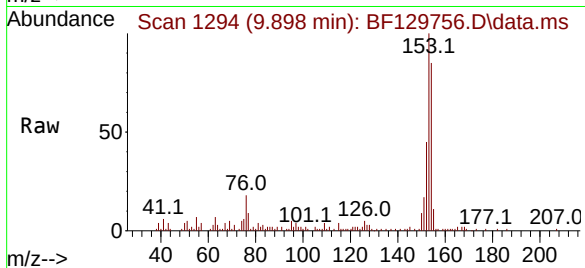




#52
Acenaphthene
Concen: 2.275 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

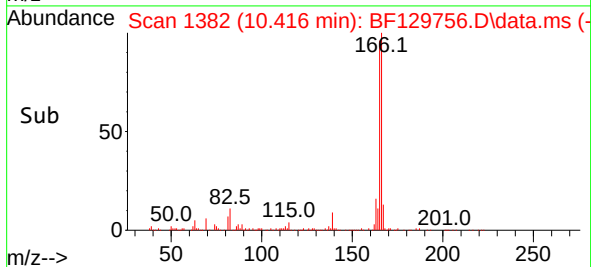
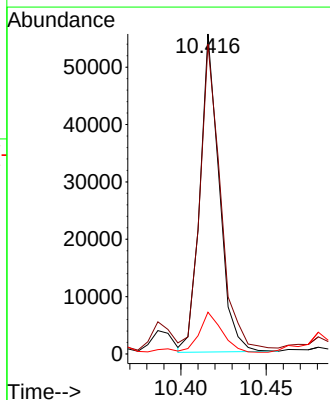
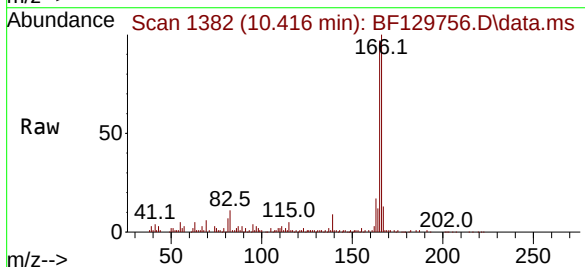
Instrument :
BNA_F
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EO-02-081022

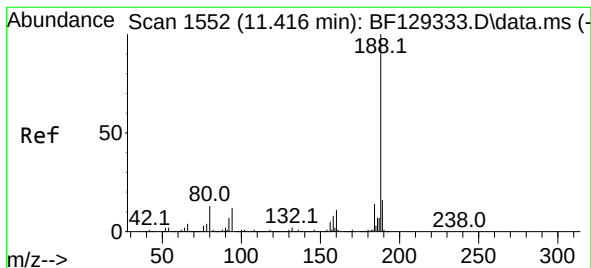
Tgt Ion:154 Resp: 22697
Ion Ratio Lower Upper
154 100
153 117.3 89.6 134.4
152 52.8 42.4 63.6



#58
Fluorene
Concen: 3.959 ng
RT: 10.416 min Scan# 1382
Delta R.T. -0.006 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

Tgt Ion:166 Resp: 43568
Ion Ratio Lower Upper
166 100
165 96.9 78.1 117.1
167 13.0 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

Instrument :

BNA_F

ClientSampleId :

EO-02-081022

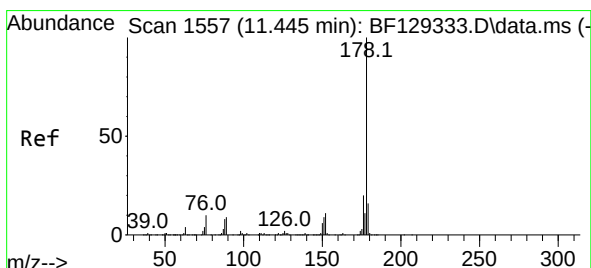
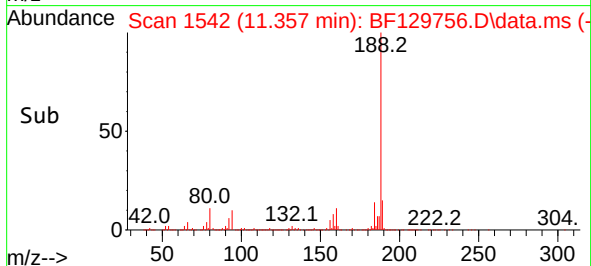
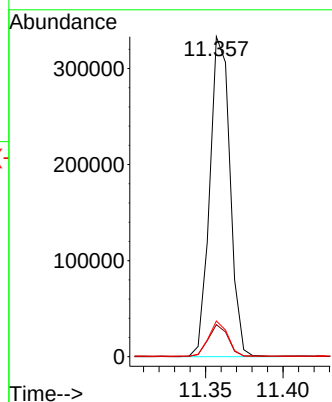
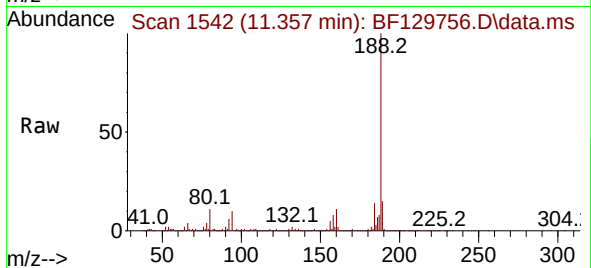
Tgt Ion:188 Resp: 303445

Ion Ratio Lower Upper

188 100

94 10.0 7.0 10.6

80 11.2 7.6 11.4



#71

Phenanthrene

Concen: 28.779 ng

RT: 11.386 min Scan# 1547

Delta R.T. 0.000 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

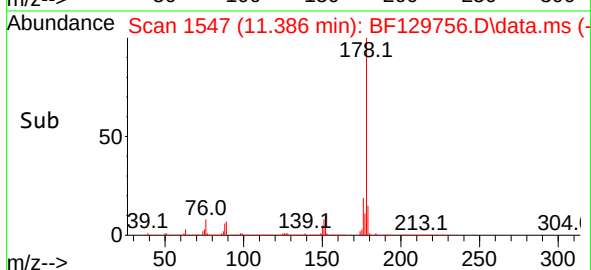
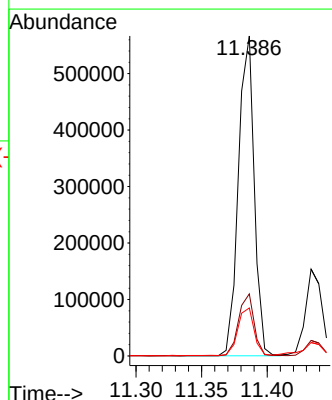
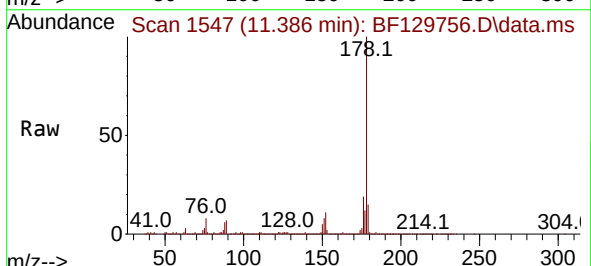
Tgt Ion:178 Resp: 476703

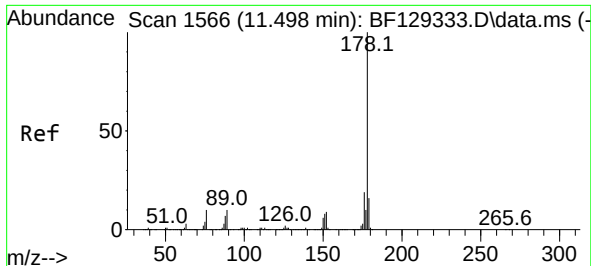
Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

179 15.0 12.6 19.0

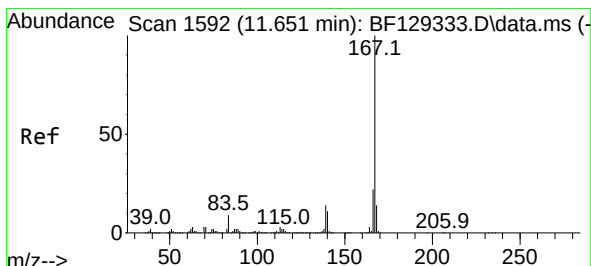
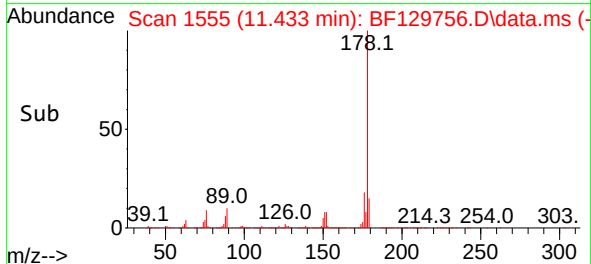
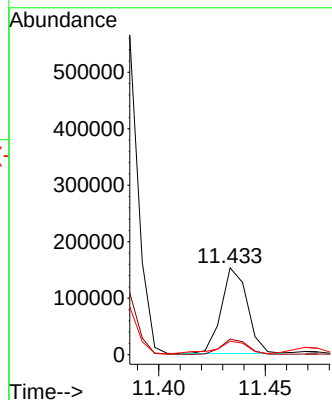
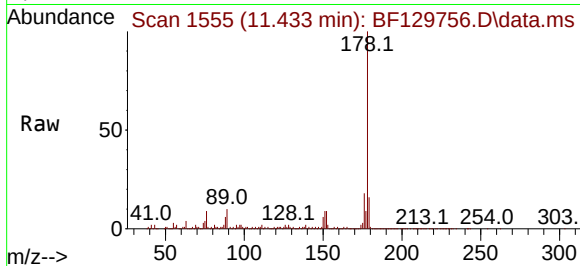




#72
 Anthracene
 Concen: 7.966 ng
 RT: 11.433 min Scan# 1555
 Delta R.T. -0.006 min
 Lab File: BF129756.D
 Acq: 12 Aug 2022 21:35

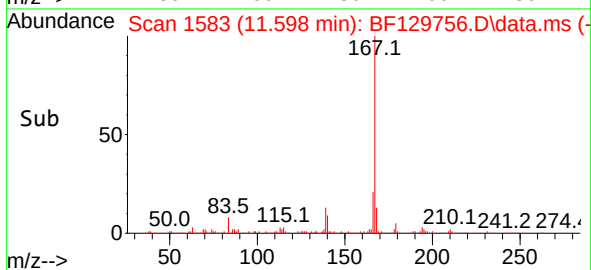
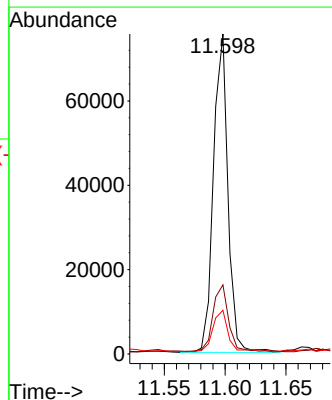
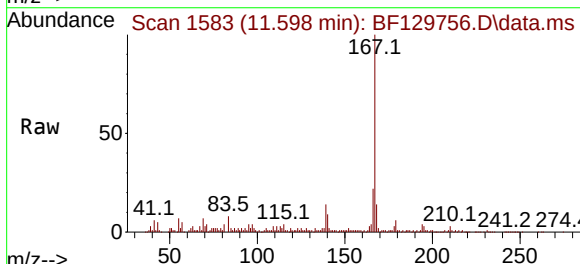
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081022

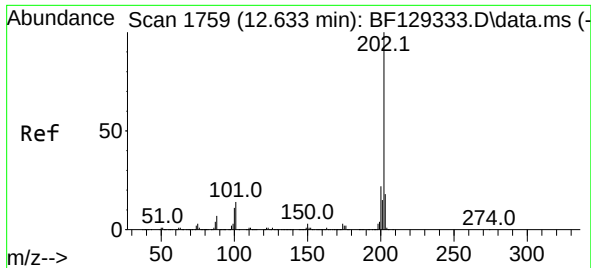
Tgt Ion:178 Resp: 129677
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.2
 179 15.5 12.6 19.0



#73
 Carbazole
 Concen: 4.092 ng
 RT: 11.598 min Scan# 1583
 Delta R.T. 0.000 min
 Lab File: BF129756.D
 Acq: 12 Aug 2022 21:35

Tgt Ion:167 Resp: 62701
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.7 26.5
 139 13.7 11.2 16.8

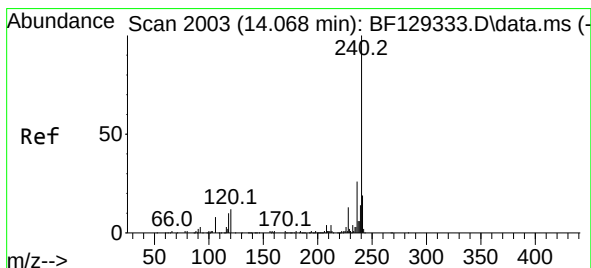
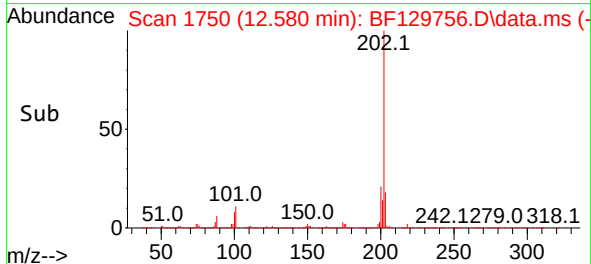
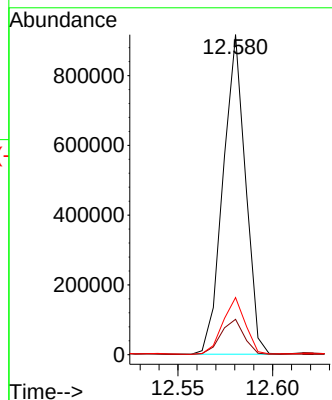
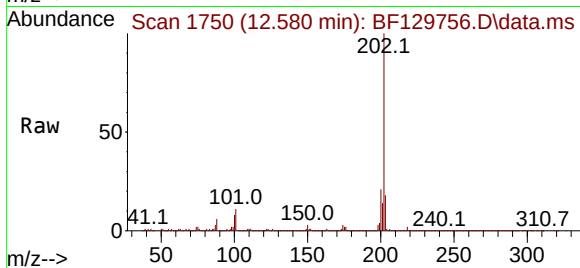




#75
Fluoranthene
Concen: 44.903 ng
RT: 12.580 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

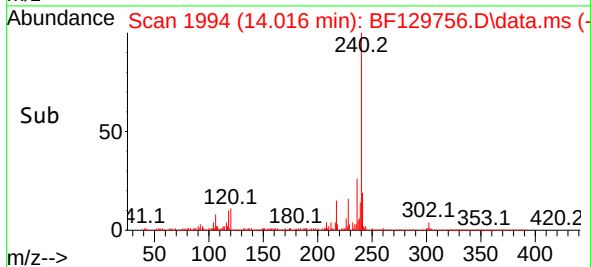
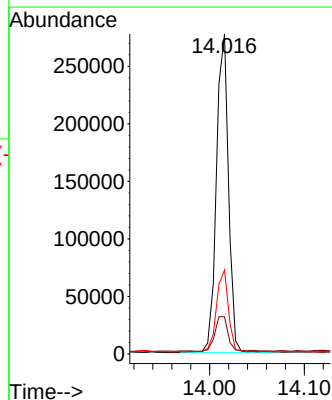
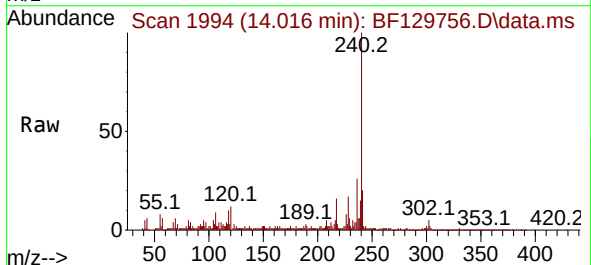
Instrument :
BNA_F
ClientSampleId :
EO-02-081022

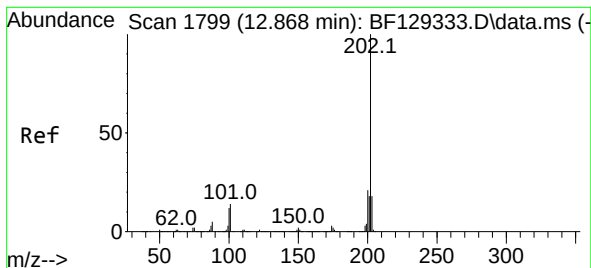
Tgt Ion:202 Resp: 753627
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.4
203 17.8 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. 0.006 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

Tgt Ion:240 Resp: 245434
Ion Ratio Lower Upper
240 100
120 11.6 8.9 13.3
236 26.3 20.8 31.2





#78

Pyrene

Concen: 36.575 ng

RT: 12.810 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

Instrument :

BNA_F

ClientSampleId :

EO-02-081022

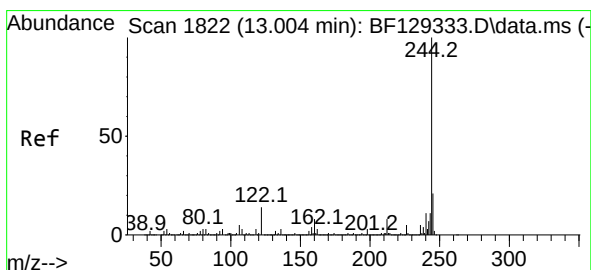
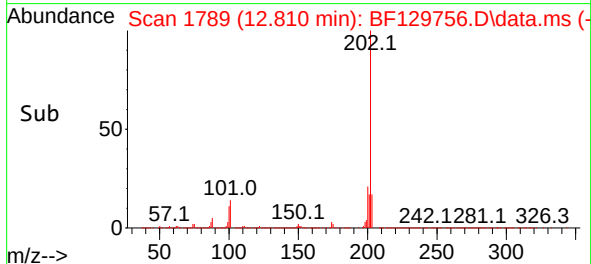
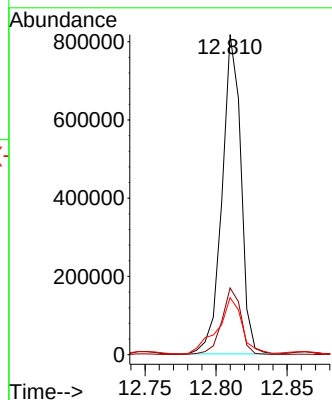
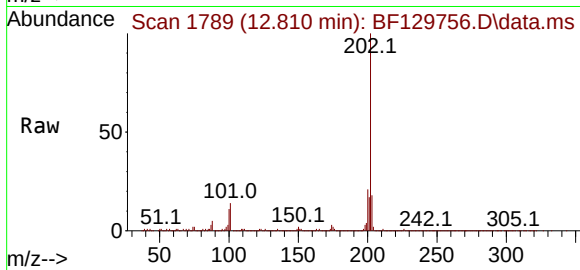
Tgt Ion:202 Resp: 750658

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

203 17.8 14.6 21.8



#79

Terphenyl-d14

Concen: 41.135 ng

RT: 12.945 min Scan# 1812

Delta R.T. 0.000 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

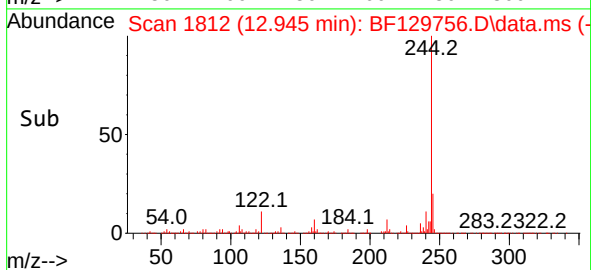
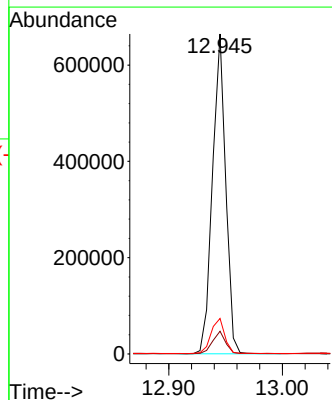
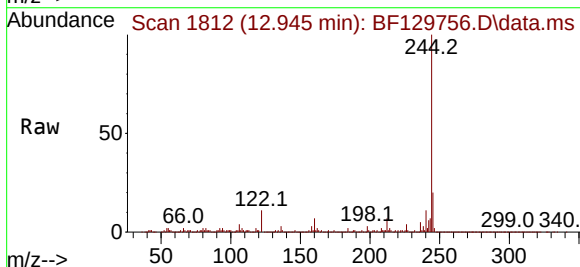
Tgt Ion:244 Resp: 535143

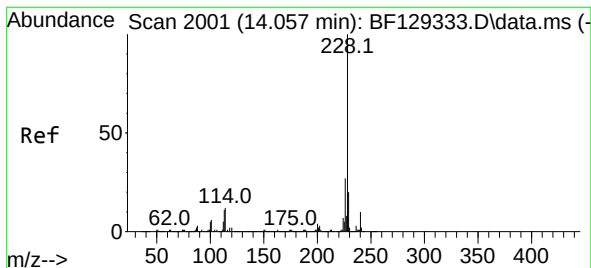
Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 11.1 8.8 13.2





#81

Benzo(a)anthracene

Concen: 19.243 ng

RT: 14.004 min Scan# 1992

Delta R.T. 0.006 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

Instrument :

BNA_F

ClientSampleId :

EO-02-081022

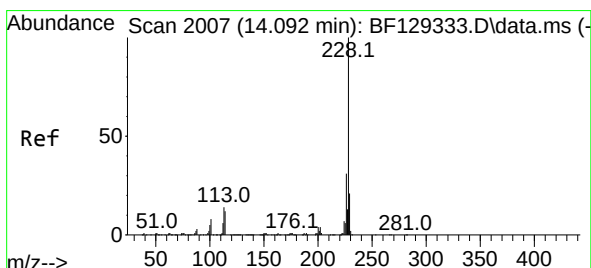
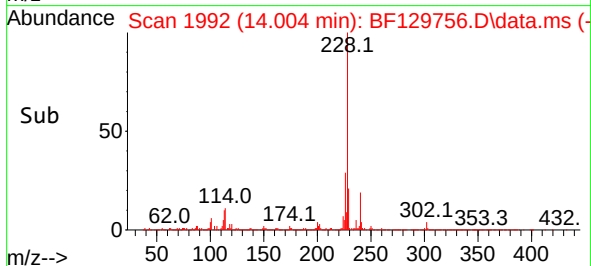
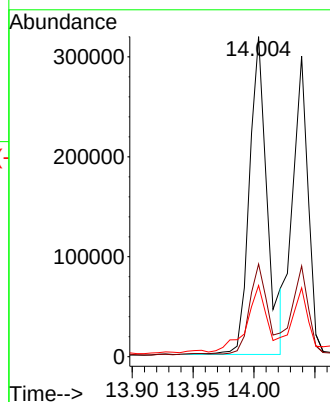
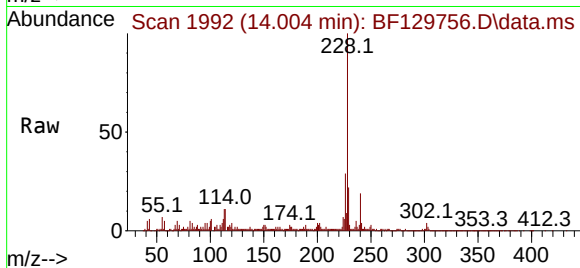
Tgt Ion:228 Resp: 322625

Ion Ratio Lower Upper

228 100

226 29.0 22.1 33.1

229 22.2 15.8 23.8



#83

Chrysene

Concen: 16.592 ng

RT: 14.039 min Scan# 1998

Delta R.T. 0.000 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

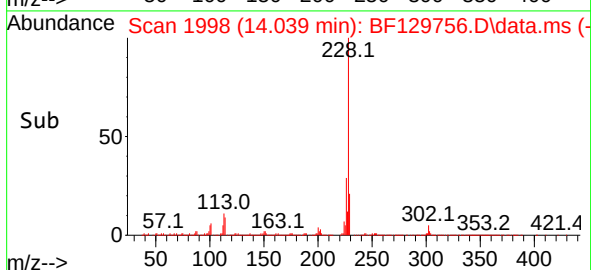
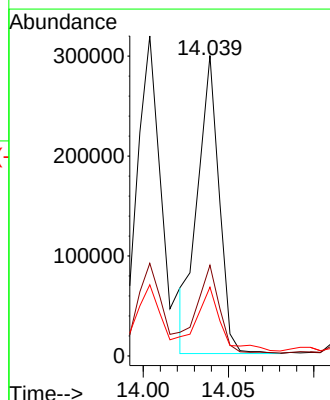
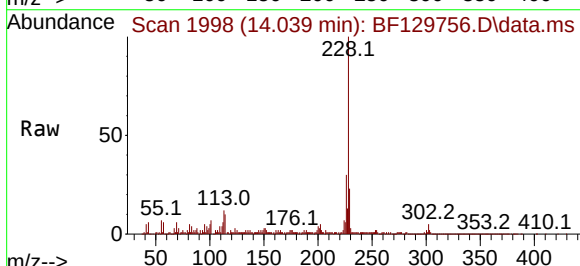
Tgt Ion:228 Resp: 262163

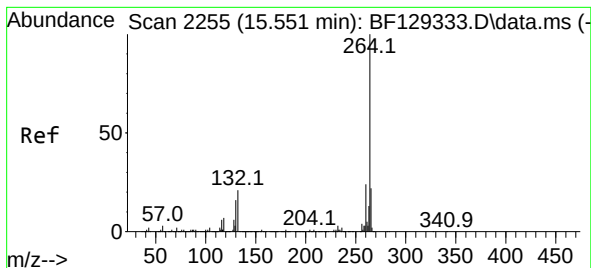
Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 22.9 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

Instrument :

BNA_F

ClientSampleId :

EO-02-081022

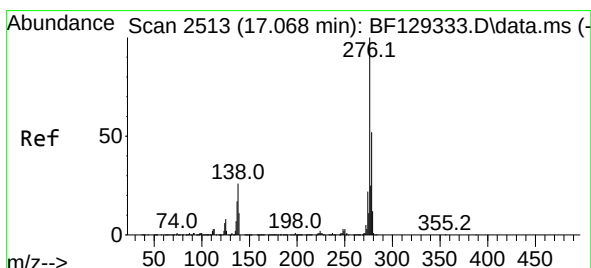
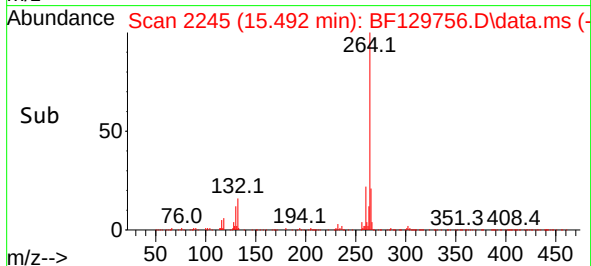
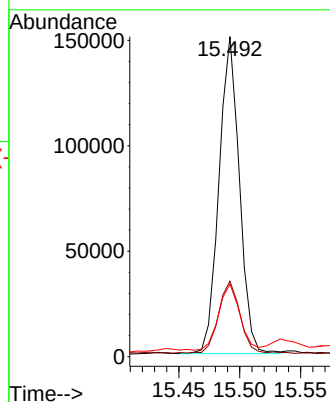
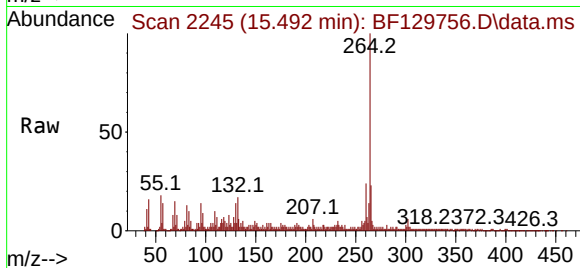
Tgt Ion:264 Resp: 175604

Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 22.7 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.032 ng

RT: 16.980 min Scan# 2498

Delta R.T. 0.006 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

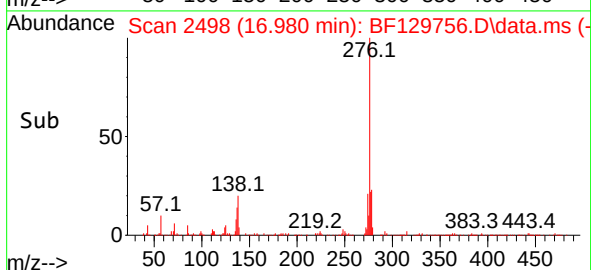
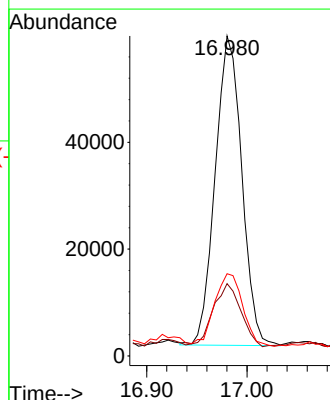
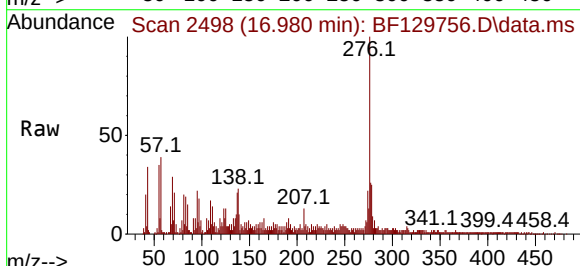
Tgt Ion:276 Resp: 106806

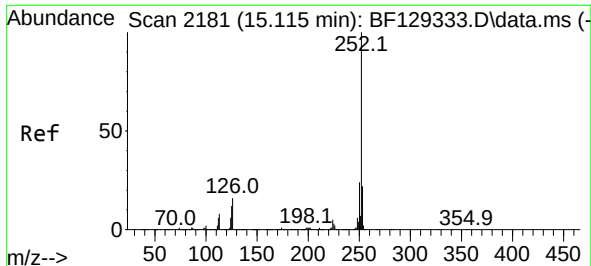
Ion Ratio Lower Upper

276 100

138 21.4 21.1 31.7

277 25.0 20.3 30.5

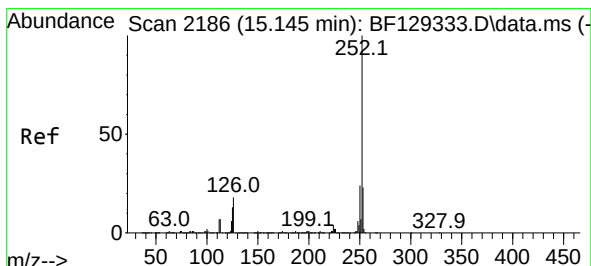
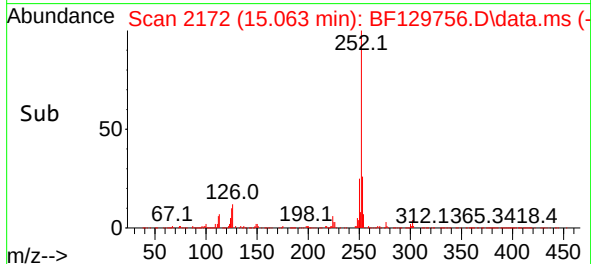
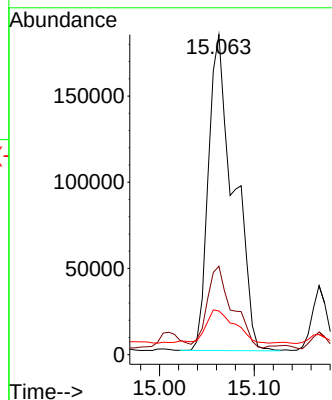
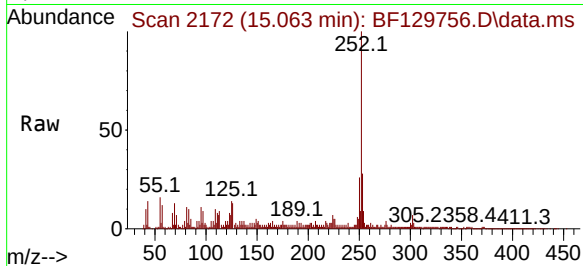




#88
Benzo(b)fluoranthene
Concen: 29.180 ng
RT: 15.063 min Scan# 2181
Delta R.T. 0.012 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

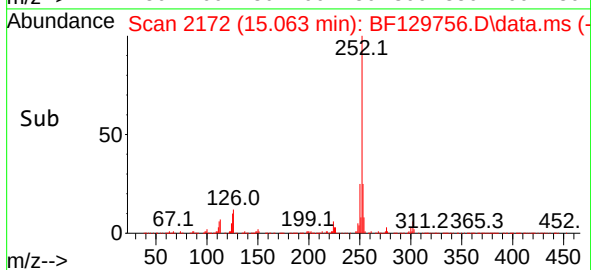
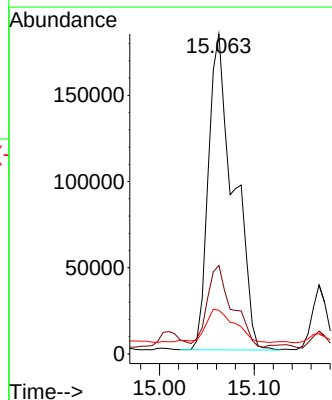
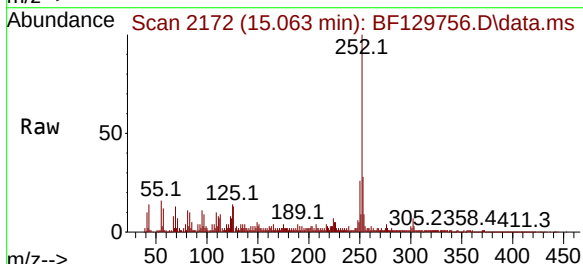
Instrument :
BNA_F
ClientSampleId :
EO-02-081022

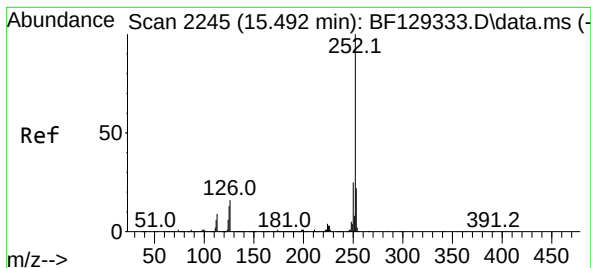
Tgt Ion:252 Resp: 339898
Ion Ratio Lower Upper
252 100
253 27.7 17.7 26.5#
125 13.7 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 29.776 ng
RT: 15.063 min Scan# 2172
Delta R.T. -0.018 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

Tgt Ion:252 Resp: 339898
Ion Ratio Lower Upper
252 100
253 27.7 17.8 26.6#
125 13.7 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 19.341 ng

RT: 15.427 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

Instrument :

BNA_F

ClientSampleId :

EO-02-081022

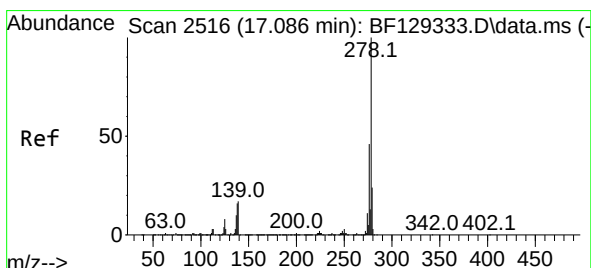
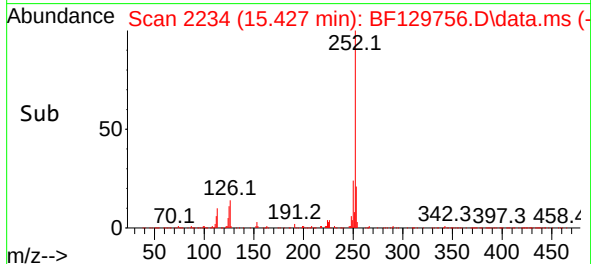
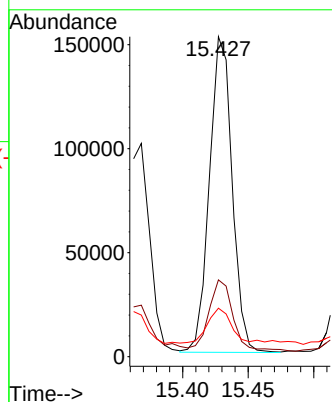
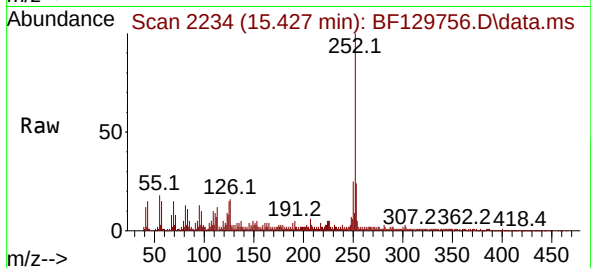
Tgt Ion:252 Resp: 182884

Ion Ratio Lower Upper

252 100

253 24.0 17.0 25.6

125 15.1 8.8 13.2#



#91

Dibenzo(a,h)anthracene

Concen: 3.334 ng

RT: 16.980 min Scan# 2498

Delta R.T. 0.000 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

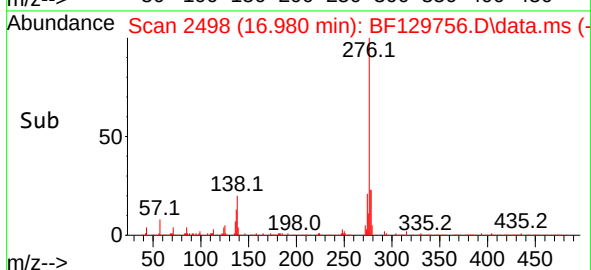
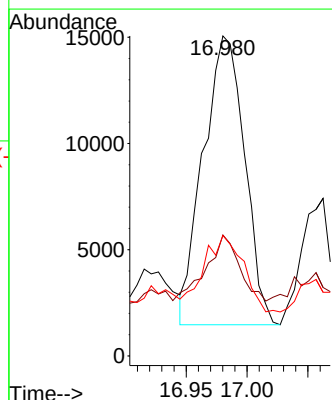
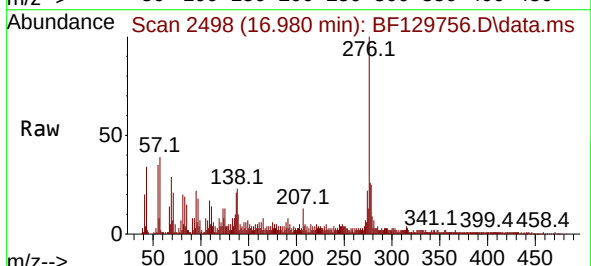
Tgt Ion:278 Resp: 32093

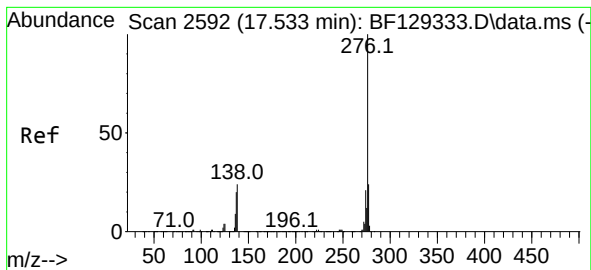
Ion Ratio Lower Upper

278 100

139 37.8 12.8 19.2#

279 37.7 18.6 28.0#





#92

Benzo(g,h,i)perylene

Concen: 10.878 ng

RT: 17.439 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF129756.D

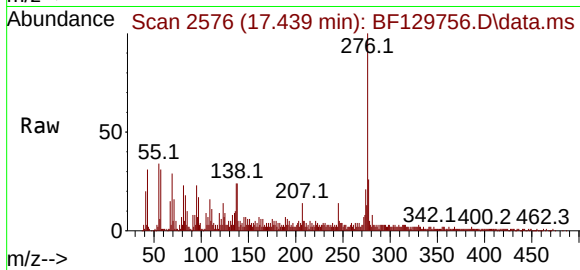
Acq: 12 Aug 2022 21:35

Instrument :

BNA_F

ClientSampleId :

EO-02-081022



Tgt Ion:276 Resp: 106980

Ion Ratio Lower Upper

276 100

277 26.1 19.1 28.7

138 24.2 18.0 27.0

