

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080222\
 Data File : BF129527.D
 Acq On : 03 Aug 2022 01:56
 Operator : CG\JU
 Sample : N3982-01DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-072922DL

Quant Time: Aug 03 02:32:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 01:11:25 2022
 Response via : Initial Calibration

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

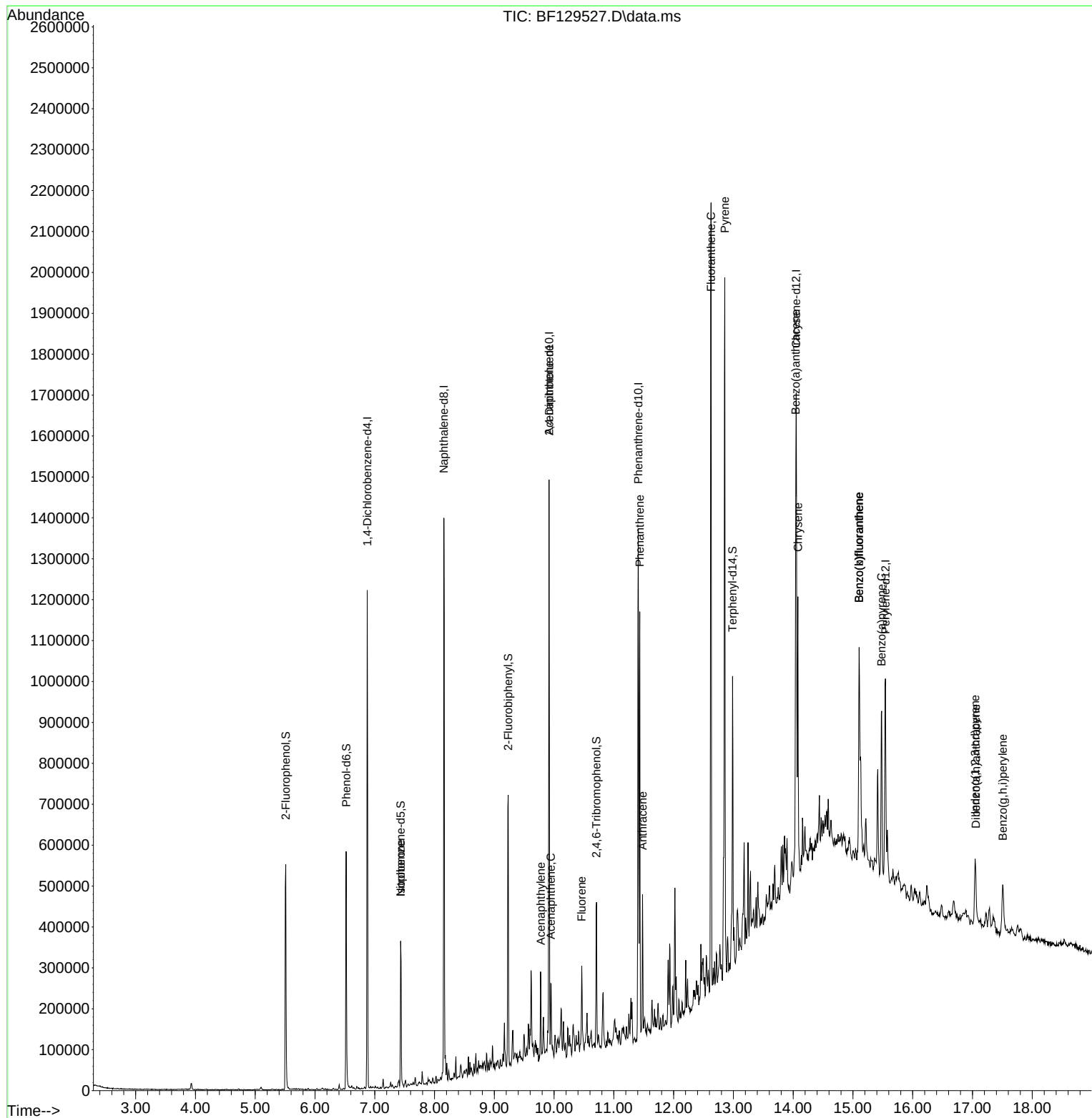
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	162075	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	572894	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	262042	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	444512	20.000	ng	0.00
76) Chrysene-d12	14.051	240	295135	20.000	ng	# 0.00
86) Perylene-d12	15.545	264	220433	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	160460	16.128	ng	0.00
7) Phenol-d6	6.522	99	192393	15.384	ng	0.00
23) Nitrobenzene-d5	7.434	82	109175	10.403	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	37084	14.720	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	199939	11.803	ng	0.00
79) Terphenyl-d14	12.986	244	211715	13.533	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.434	82	109175	5.804	ng	# 66
49) Acenaphthylene	9.780	152	51701	2.201	ng	99
52) Acenaphthene	9.945	154	32554	2.122	ng	97
57) 2,4-Dinitrotoluene	9.916	165	35930	6.793	ng	# 22
58) Fluorene	10.463	166	49033	2.897	ng	98
71) Phenanthrene	11.433	178	360322	14.850	ng	98
72) Anthracene	11.480	178	123986	5.200	ng	97
75) Fluoranthene	12.627	202	758413	30.848	ng	99
78) Pyrene	12.857	202	669411	27.124	ng	98
81) Benzo(a)anthracene	14.045	228	283316	14.053	ng	96
83) Chrysene	14.080	228	248504	13.079	ng	98
87) Indeno(1,2,3-cd)pyrene	17.045	276	111865	7.536	ng	95
88) Benzo(b)fluoranthene	15.104	252	366799	25.085	ng	# 96
89) Benzo(k)fluoranthene	15.104	252	366799	25.598	ng	# 96
90) Benzo(a)pyrene	15.480	252	186875	15.744	ng	96
91) Dibenzo(a,h)anthracene	17.056	278	27035	2.238	ng	# 76
92) Benzo(g,h,i)perylene	17.509	276	101458	8.218	ng	99

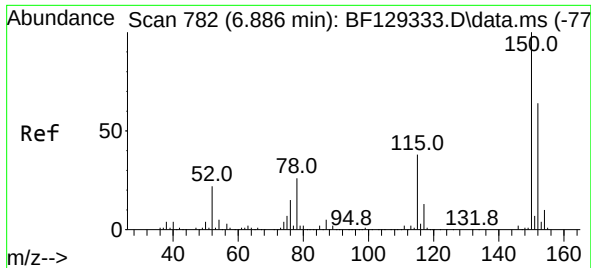
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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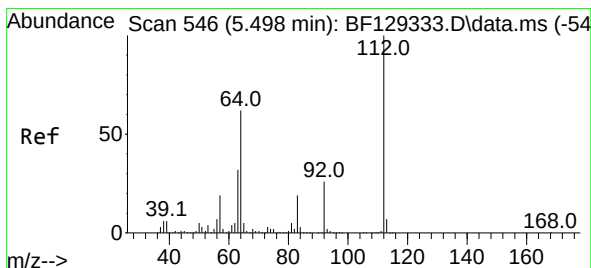
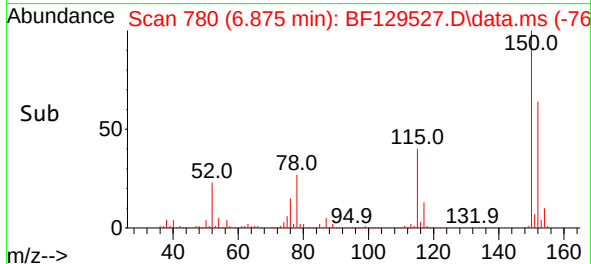
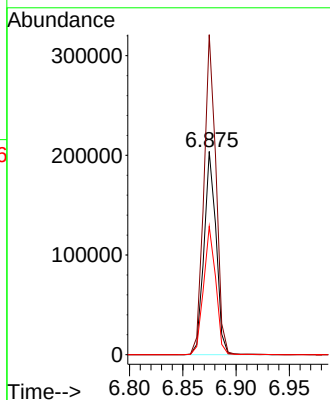
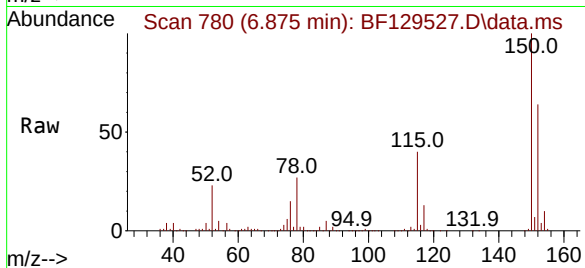




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF129527.D
 Acq: 03 Aug 2022 01:56

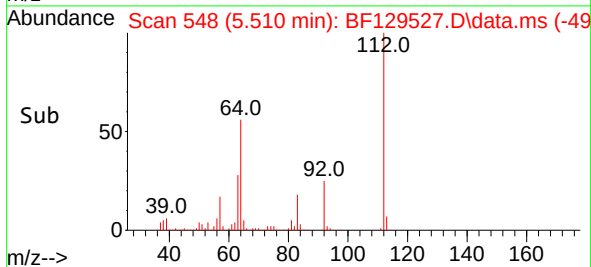
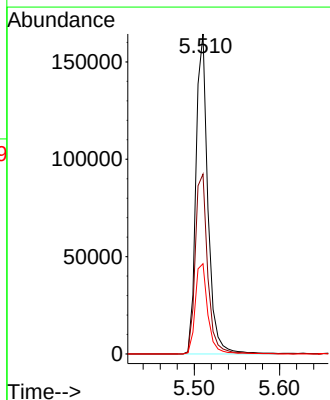
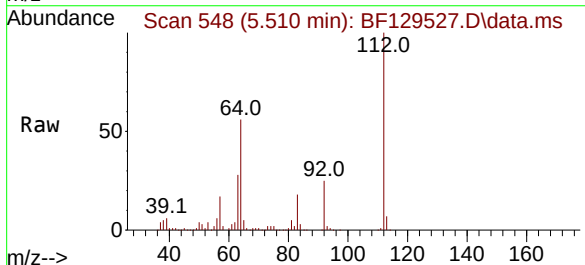
Instrument :
 BNA_F
 ClientSampleId :
 OR-3-072922DL

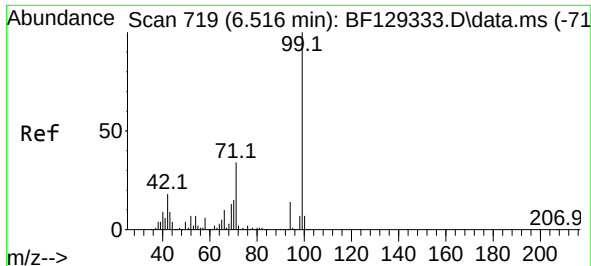
Tgt Ion:152 Resp: 162075
 Ion Ratio Lower Upper
 152 100
 150 157.4 123.7 185.5
 115 63.2 49.9 74.9



#5
 2-Fluorophenol
 Concen: 16.128 ng
 RT: 5.510 min Scan# 548
 Delta R.T. 0.006 min
 Lab File: BF129527.D
 Acq: 03 Aug 2022 01:56

Tgt Ion:112 Resp: 160460
 Ion Ratio Lower Upper
 112 100
 64 56.2 53.3 79.9
 63 28.2 28.0 42.0

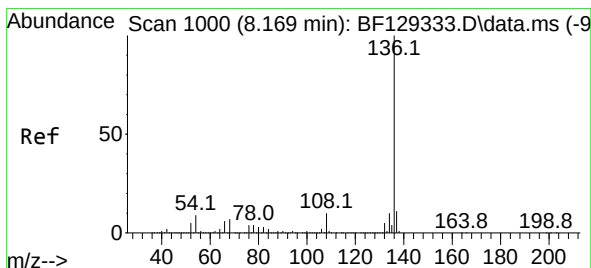
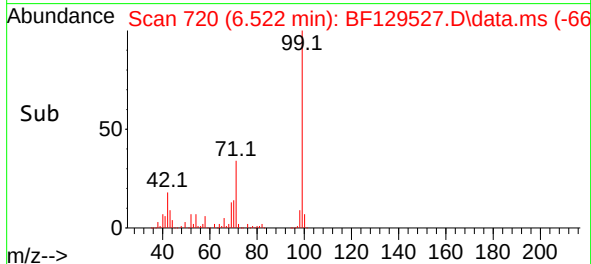
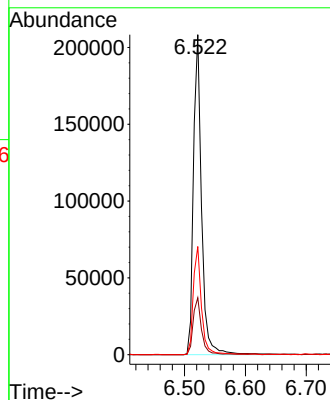
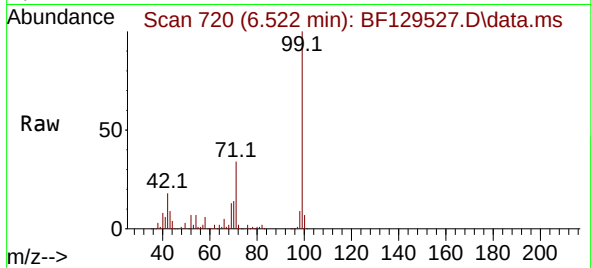




#7
Phenol-d6
Concen: 15.384 ng
RT: 6.522 min Scan# 719
Delta R.T. -0.000 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

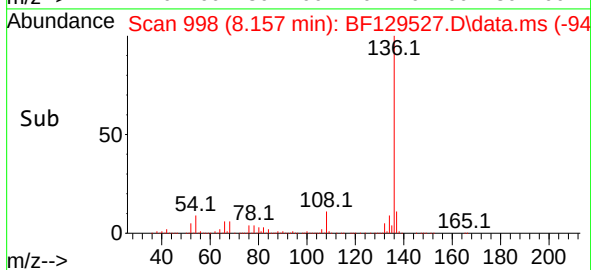
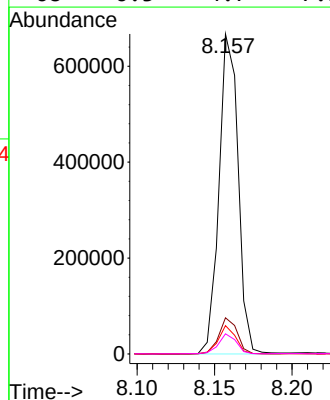
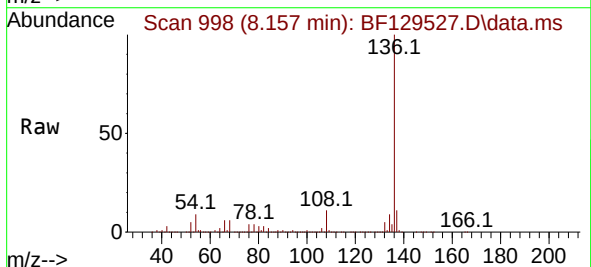
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BNA_F
ClientSampleId :
OR-3-072922DL

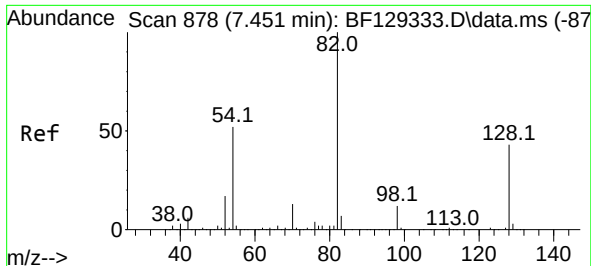
Tgt Ion: 99 Resp: 192393
Ion Ratio Lower Upper
99 100
42 17.8 17.3 25.9
71 33.8 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

Tgt Ion: 136 Resp: 572894
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.8 7.5 11.3
68 6.3 4.7 7.1





#23

Nitrobenzene-d5

Concen: 10.403 ng

RT: 7.434 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF129527.D

Acq: 03 Aug 2022 01:56

Instrument :

BNA_F

ClientSampleId :

OR-3-072922DL

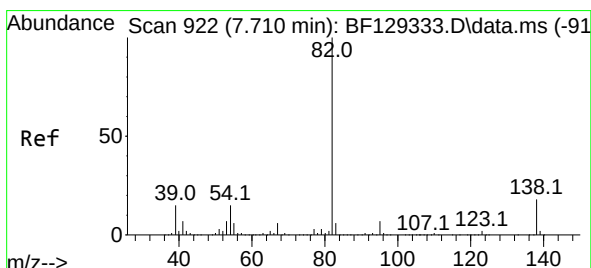
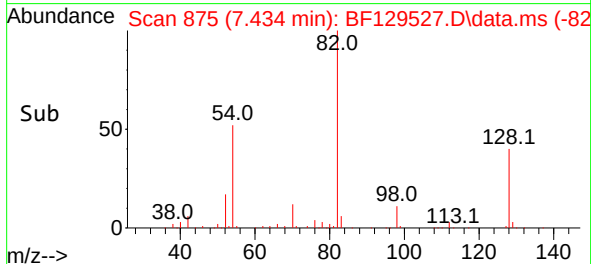
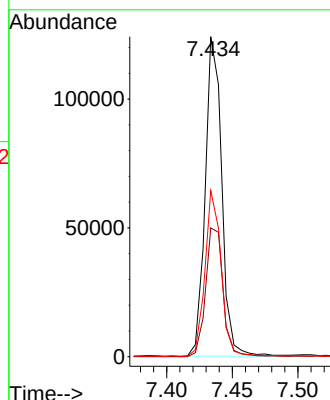
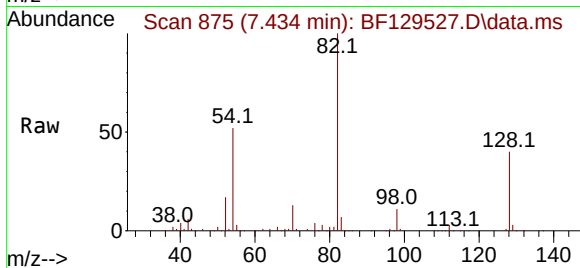
Tgt Ion: 82 Resp: 109175

Ion Ratio Lower Upper

82 100

128 40.2 34.0 51.0

54 51.9 46.9 70.3



#25

Isophorone

Concen: 5.804 ng

RT: 7.434 min Scan# 875

Delta R.T. -0.265 min

Lab File: BF129527.D

Acq: 03 Aug 2022 01:56

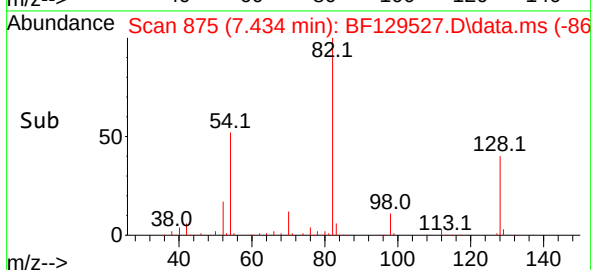
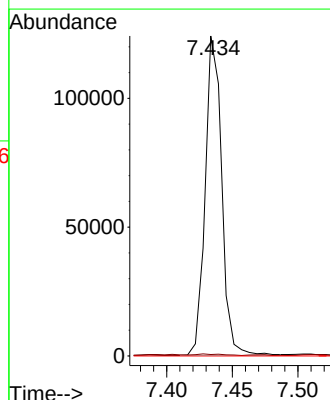
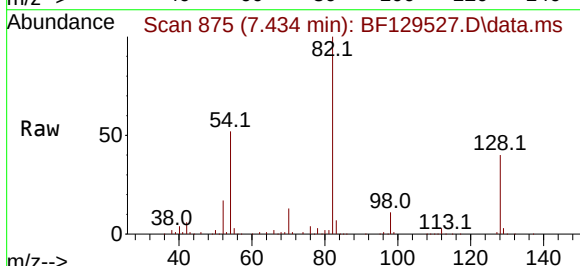
Tgt Ion: 82 Resp: 109175

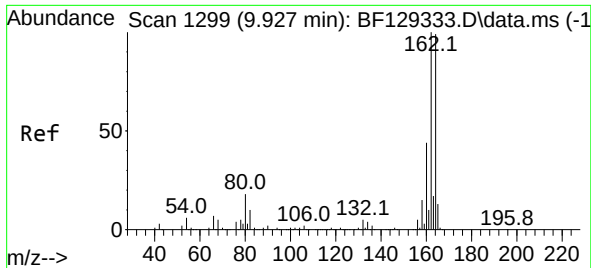
Ion Ratio Lower Upper

82 100

95 0.5 5.7 8.5#

138 0.0 14.2 21.2#

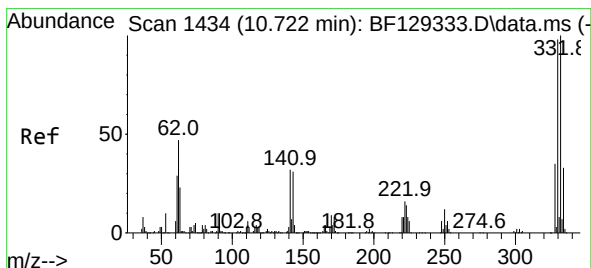
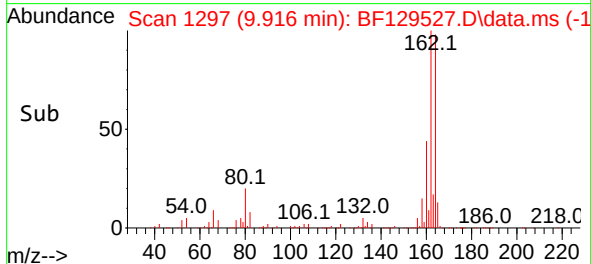
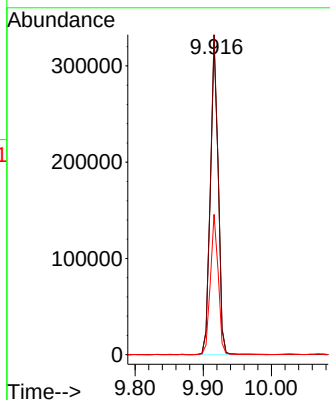
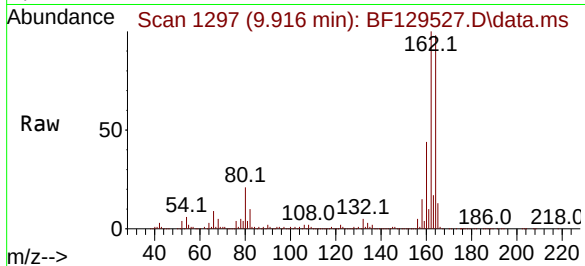




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

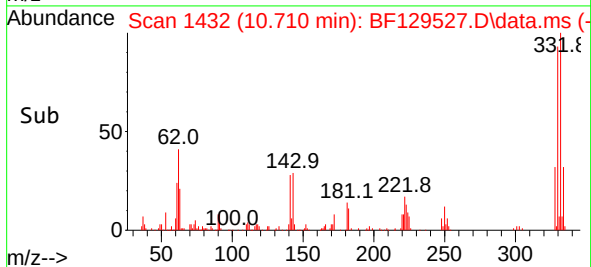
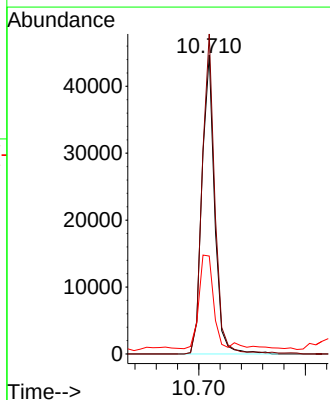
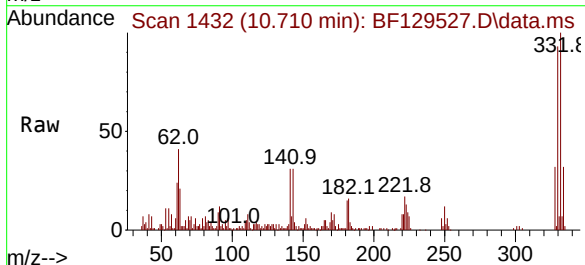
Instrument :
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ClientSampleId :
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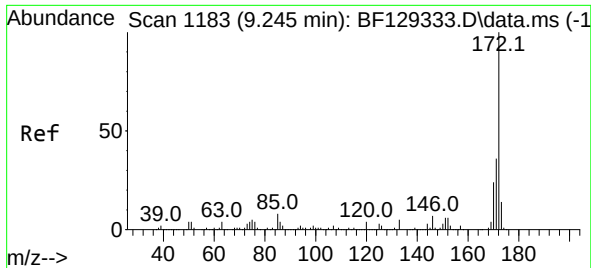
Tgt Ion:164 Resp: 262042
Ion Ratio Lower Upper
164 100
162 102.4 79.5 119.3
160 44.9 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 14.720 ng
RT: 10.710 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

Tgt Ion:330 Resp: 37084
Ion Ratio Lower Upper
330 100
332 106.4 76.8 115.2
141 35.4 28.0 42.0

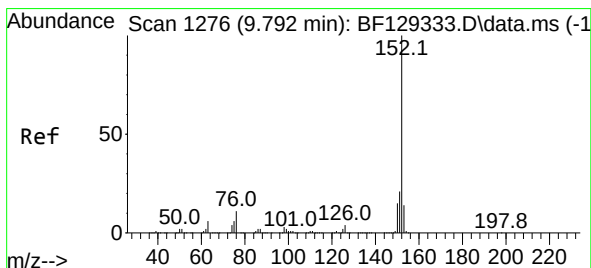
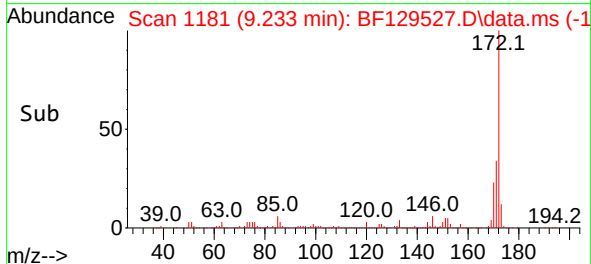
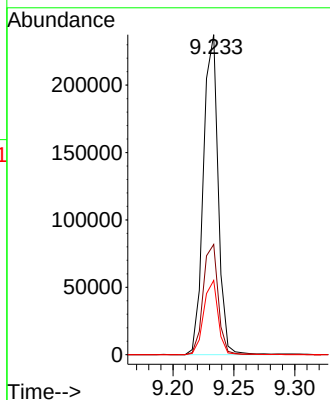
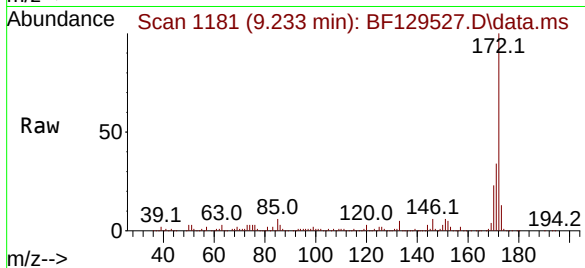




#45
2-Fluorobiphenyl
Concen: 11.803 ng
RT: 9.233 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

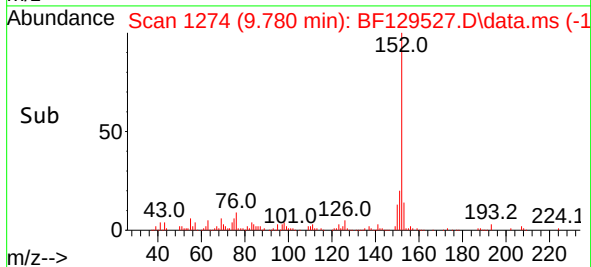
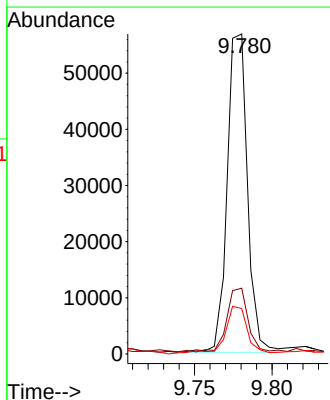
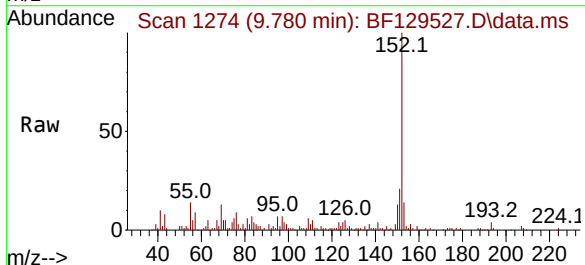
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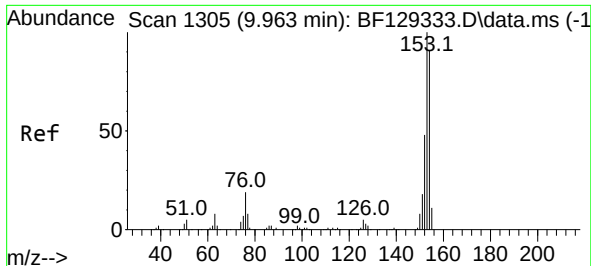
Tgt Ion:172 Resp: 199939
Ion Ratio Lower Upper
172 100
171 34.4 28.8 43.2
170 23.2 19.8 29.8



#49
Acenaphthylene
Concen: 2.201 ng
RT: 9.780 min Scan# 1274
Delta R.T. -0.000 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

Tgt Ion:152 Resp: 51701
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.4
153 14.2 10.7 16.1

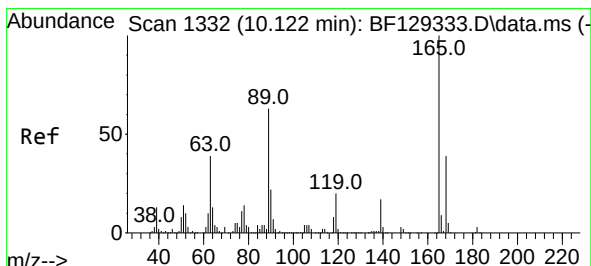
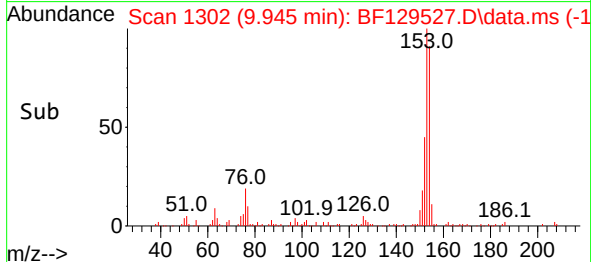
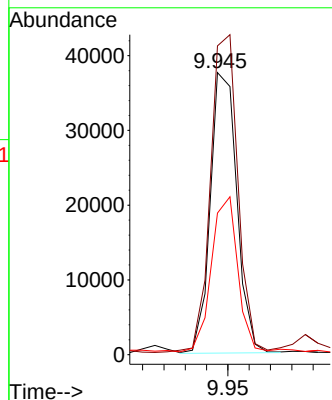
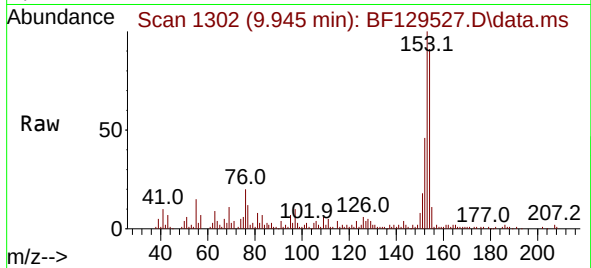




#52
Acenaphthene
Concen: 2.122 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

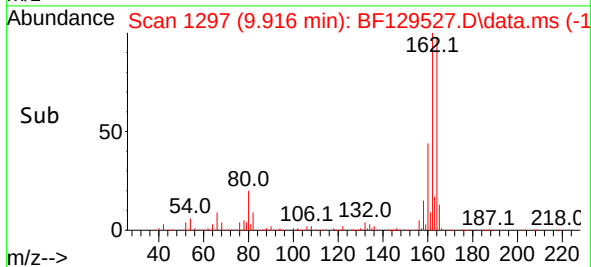
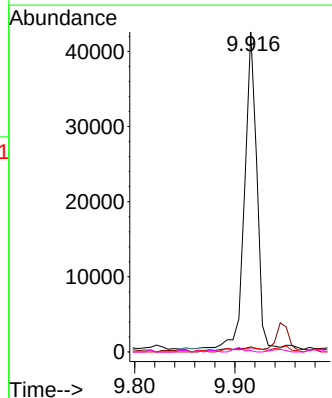
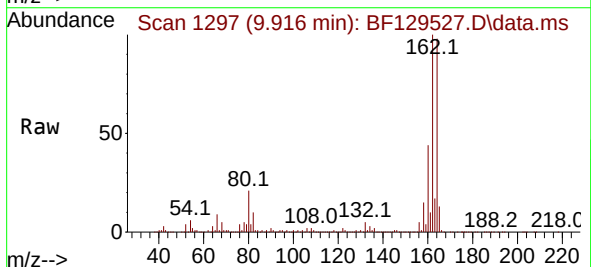
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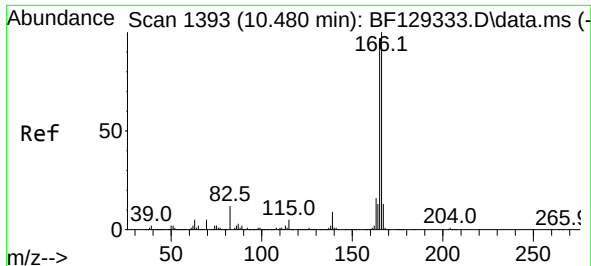
Tgt Ion:154 Resp: 32554
Ion Ratio Lower Upper
154 100
153 109.5 89.6 134.4
152 50.2 42.4 63.6



#57
2,4-Dinitrotoluene
Concen: 6.793 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.194 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

Tgt Ion:165 Resp: 35930
Ion Ratio Lower Upper
165 100
63 1.6 39.8 59.6#
89 1.3 60.2 90.2#
182 0.4 2.2 3.2#

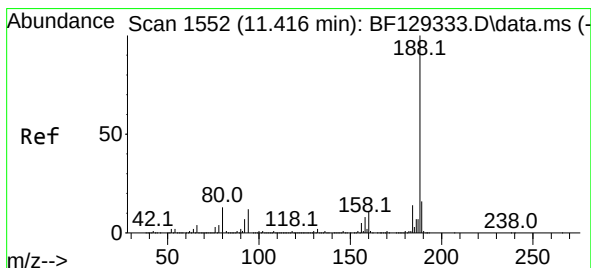
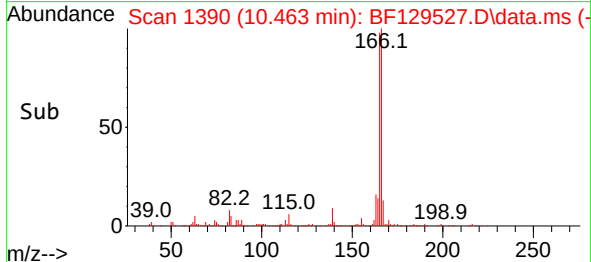
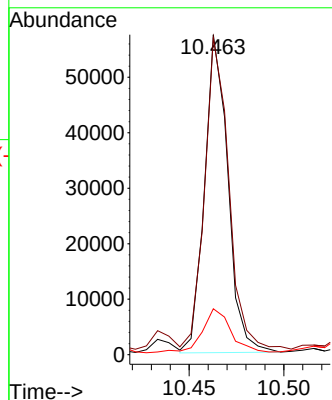
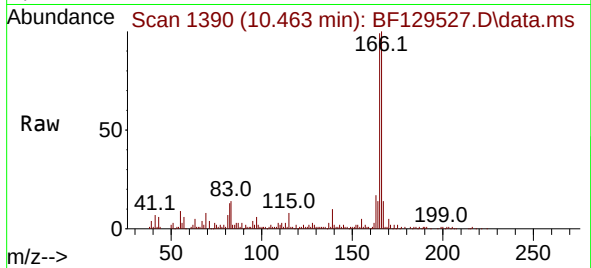




#58
Fluorene
Concen: 2.897 ng
RT: 10.463 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

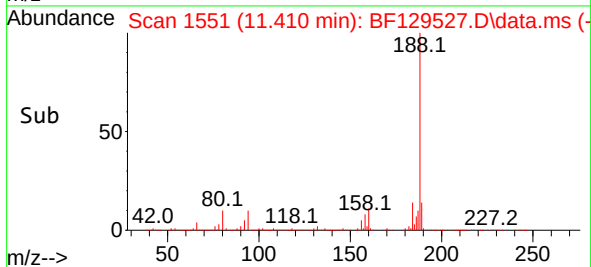
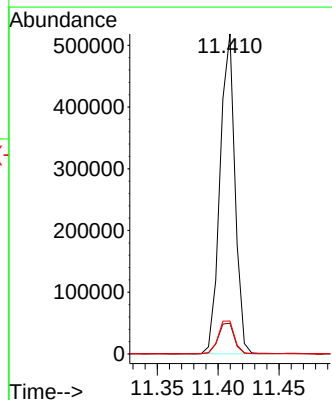
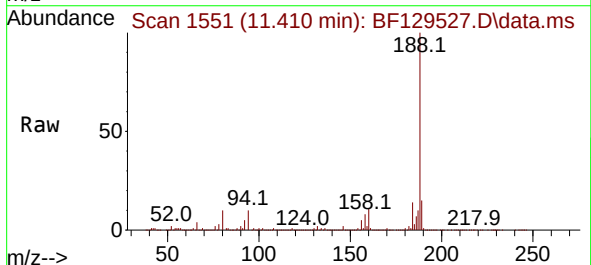
Instrument :
BNA_F
ClientSampleId :
OR-3-072922DL

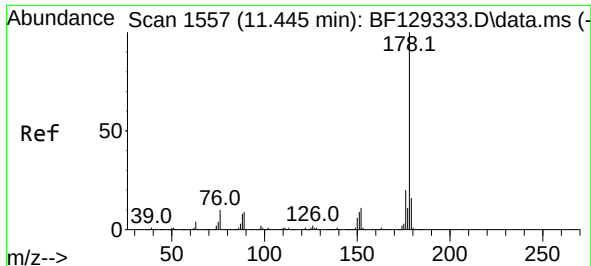
Tgt Ion:166 Resp: 49033
Ion Ratio Lower Upper
166 100
165 99.0 78.1 117.1
167 14.3 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

Tgt Ion:188 Resp: 444512
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 10.3 7.6 11.4

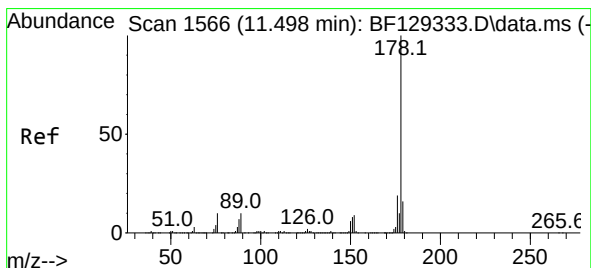
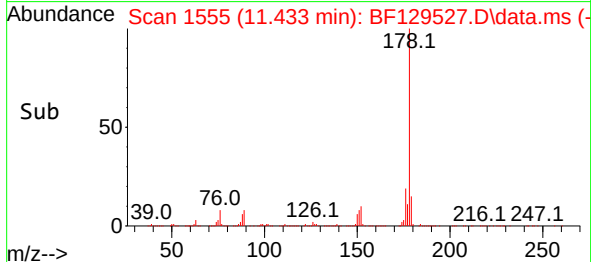
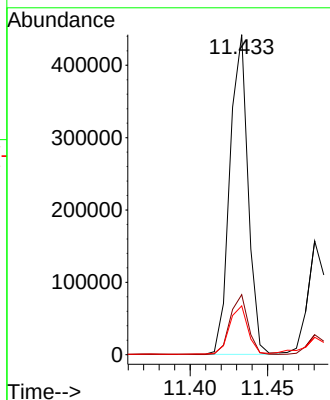
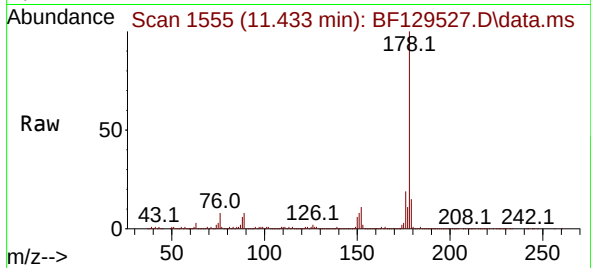




#71
Phenanthrene
Concen: 14.850 ng
RT: 11.433 min Scan# 1555
Delta R.T. -0.000 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

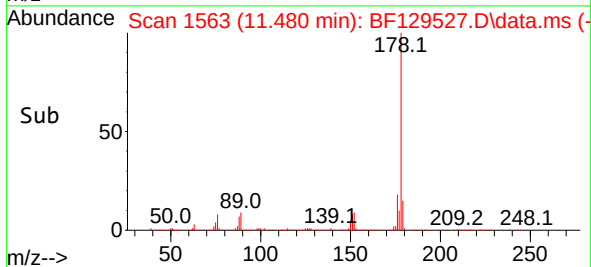
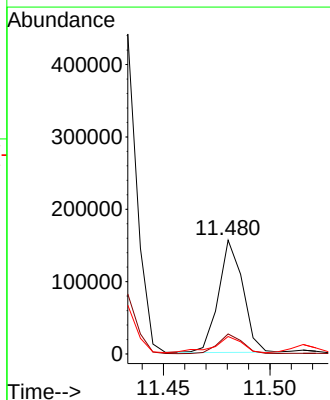
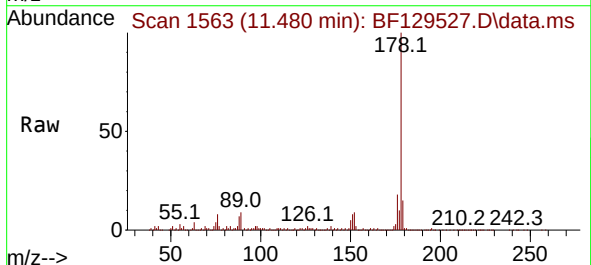
Instrument :
BNA_F
ClientSampleId :
OR-3-072922DL

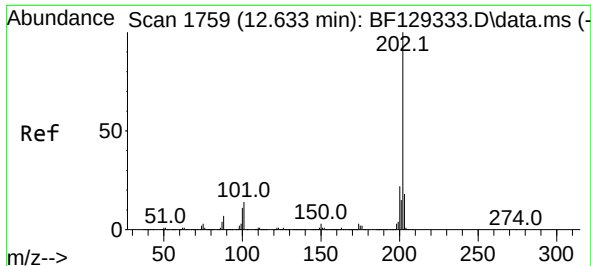
Tgt Ion:178 Resp: 360322
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 15.2 12.6 19.0



#72
Anthracene
Concen: 5.200 ng
RT: 11.480 min Scan# 1563
Delta R.T. -0.000 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

Tgt Ion:178 Resp: 123986
Ion Ratio Lower Upper
178 100
176 17.6 15.4 23.2
179 15.3 12.6 19.0

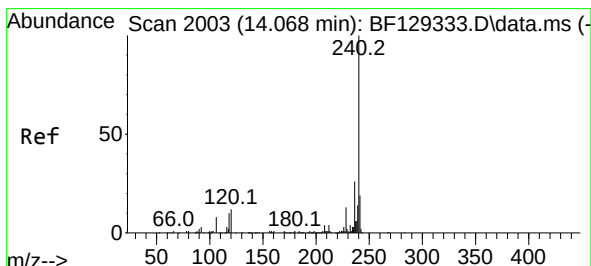
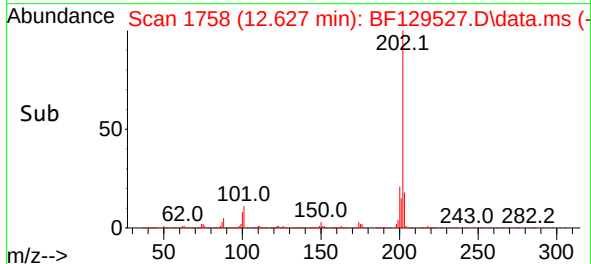
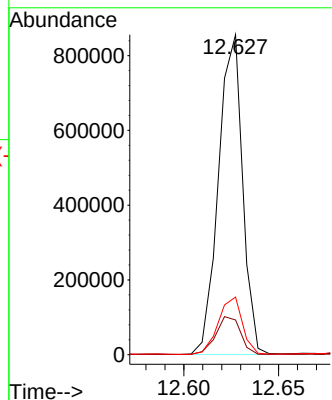
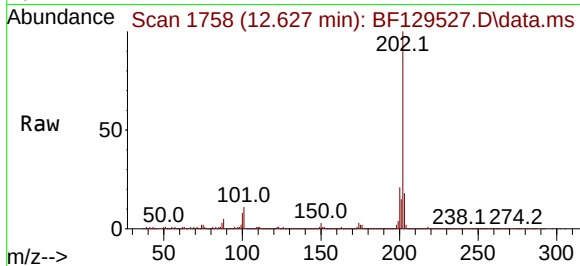




#75
Fluoranthene
Concen: 30.848 ng
RT: 12.627 min Scan# 1759
Delta R.T. 0.006 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

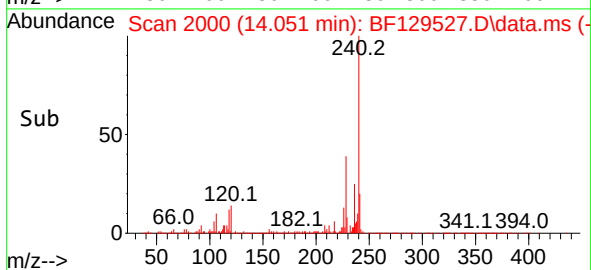
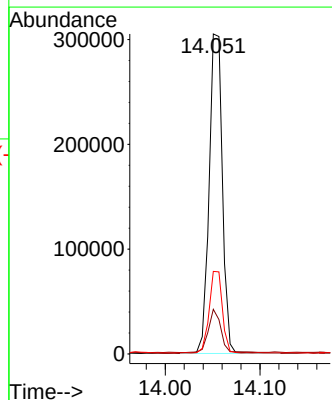
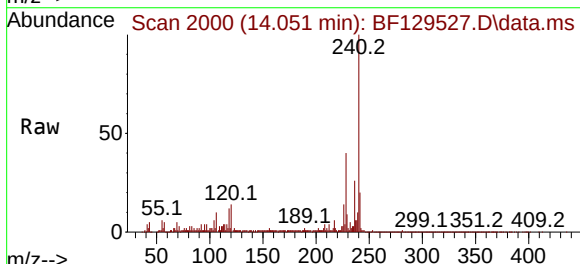
Instrument :
BNA_F
ClientSampleId :
OR-3-072922DL

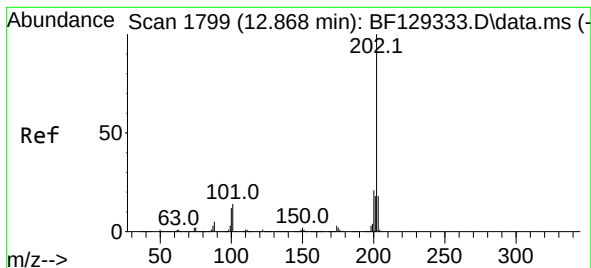
Tgt Ion:202 Resp: 758413
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.4
203 18.0 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

Tgt Ion:240 Resp: 295135
Ion Ratio Lower Upper
240 100
120 14.0 8.9 13.3#
236 25.8 20.8 31.2





#78

Pyrene

Concen: 27.124 ng

RT: 12.857 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF129527.D

Acq: 03 Aug 2022 01:56

Instrument :

BNA_F

ClientSampleId :

OR-3-072922DL

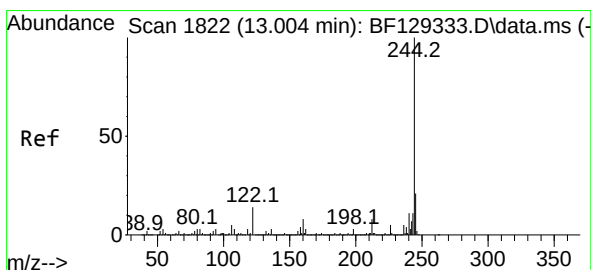
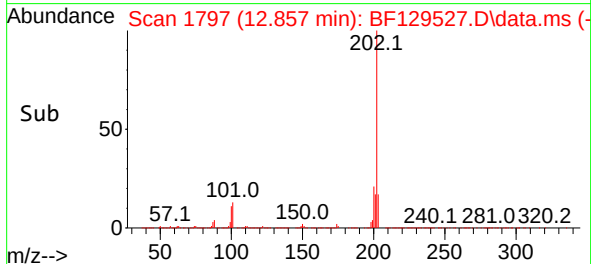
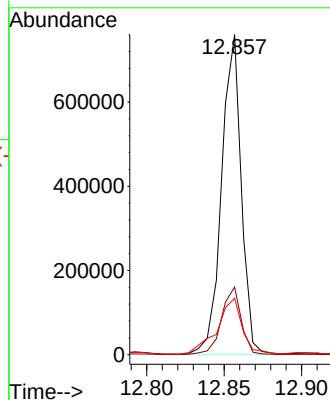
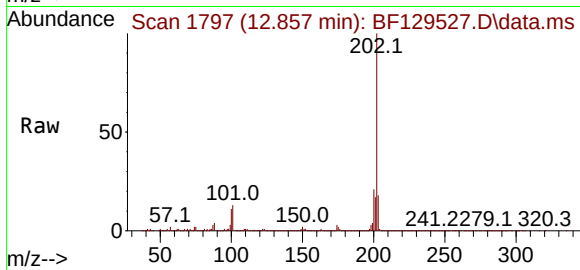
Tgt Ion:202 Resp: 669411

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

203 17.7 14.6 21.8



#79

Terphenyl-d14

Concen: 13.533 ng

RT: 12.986 min Scan# 1819

Delta R.T. -0.000 min

Lab File: BF129527.D

Acq: 03 Aug 2022 01:56

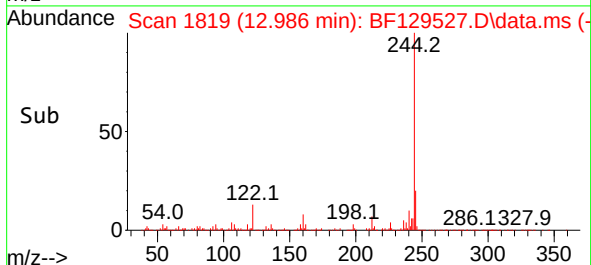
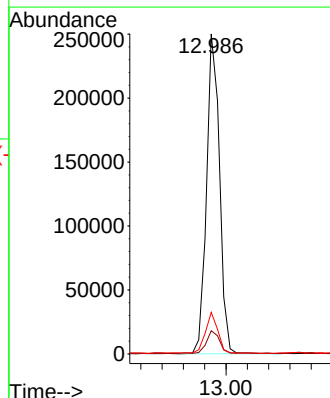
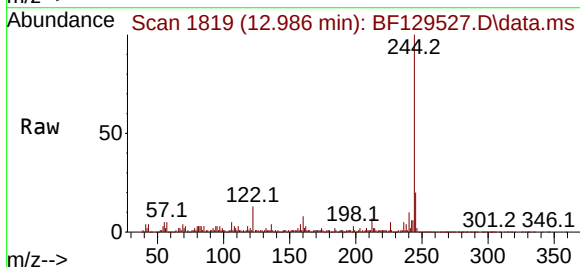
Tgt Ion:244 Resp: 211715

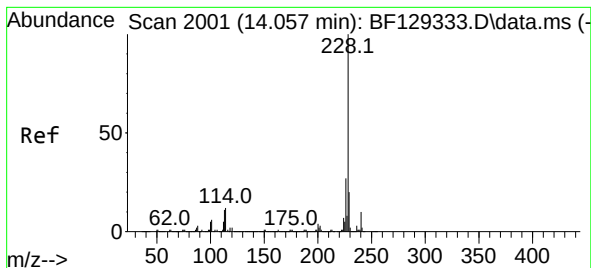
Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 13.0 8.8 13.2





#81

Benzo(a)anthracene

Concen: 14.053 ng

RT: 14.045 min Scan# 14

Delta R.T. 0.006 min

Lab File: BF129527.D

Acq: 03 Aug 2022 01:56

Instrument :

BNA_F

ClientSampleId :

OR-3-072922DL

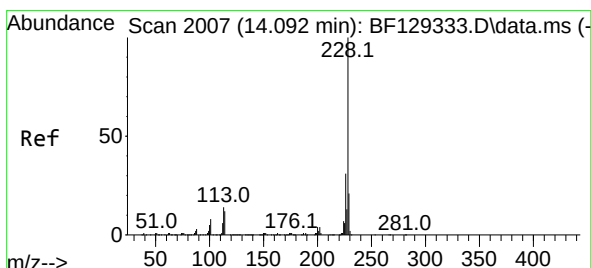
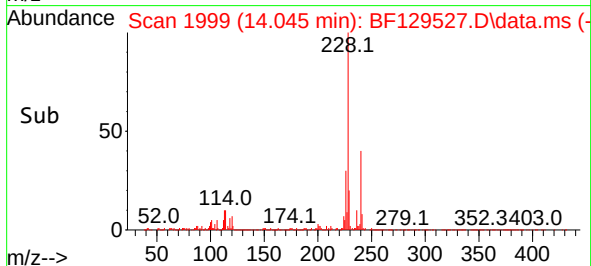
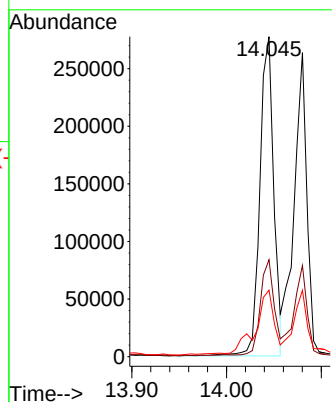
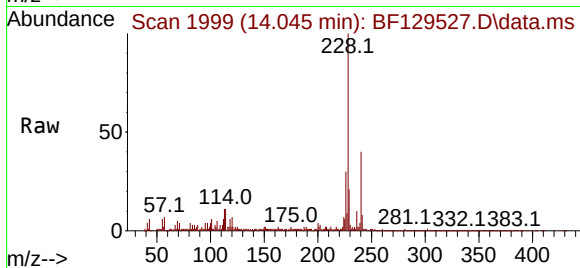
Tgt Ion:228 Resp: 283316

Ion Ratio Lower Upper

228 100

226 30.3 22.1 33.1

229 20.8 15.8 23.8



#83

Chrysene

Concen: 13.079 ng

RT: 14.080 min Scan# 2005

Delta R.T. 0.006 min

Lab File: BF129527.D

Acq: 03 Aug 2022 01:56

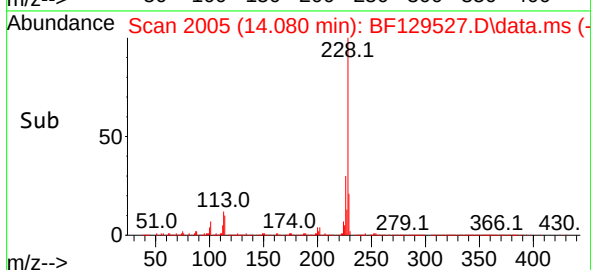
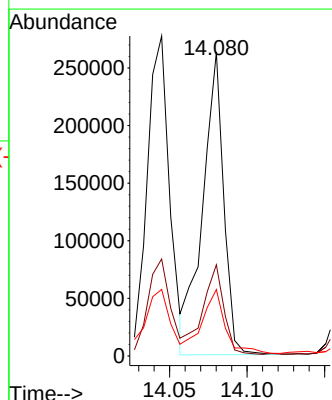
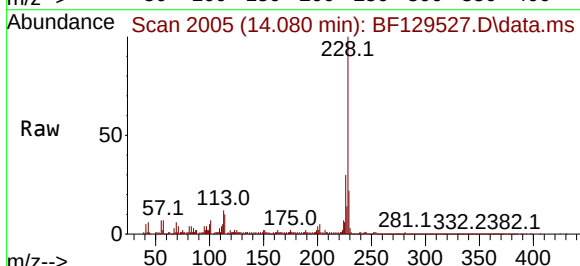
Tgt Ion:228 Resp: 248504

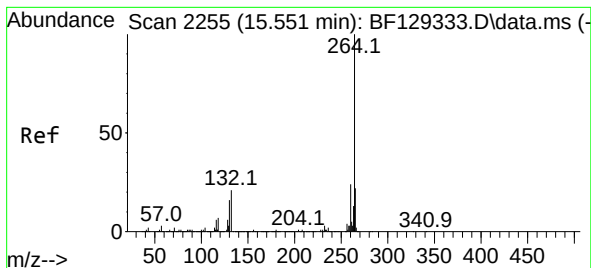
Ion Ratio Lower Upper

228 100

226 30.0 24.3 36.5

229 21.8 15.9 23.9



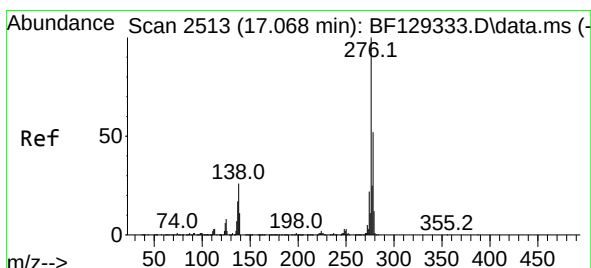
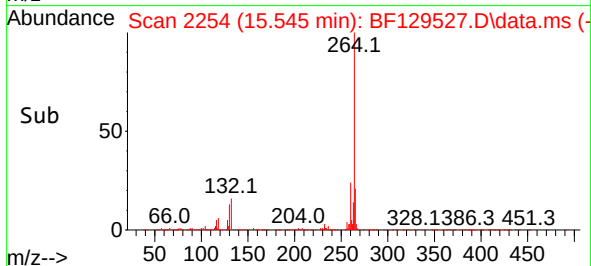
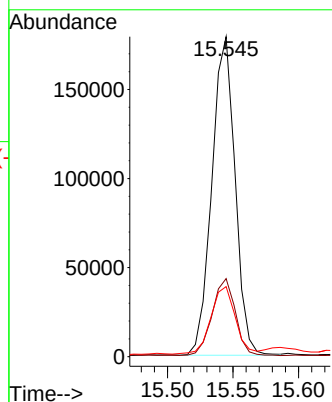
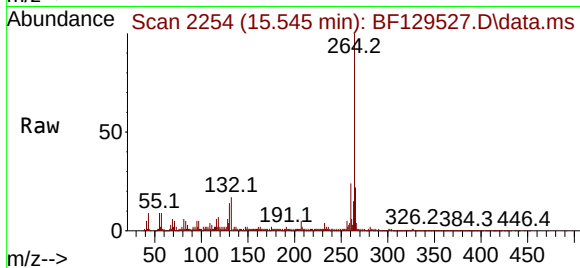


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

Instrument :
BNA_F
ClientSampleId :
OR-3-072922DL

Tgt Ion:264 Resp: 220433

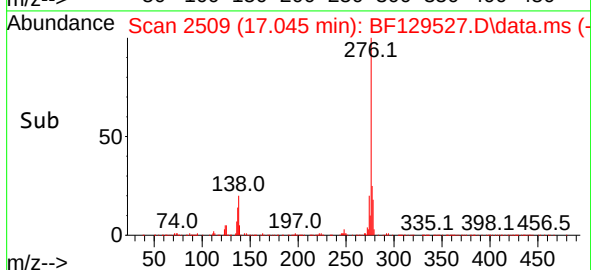
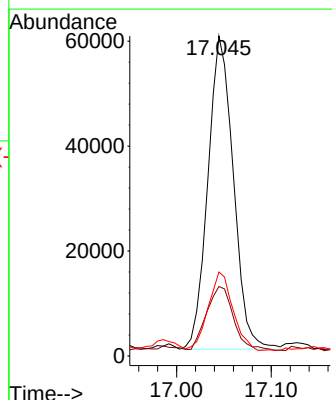
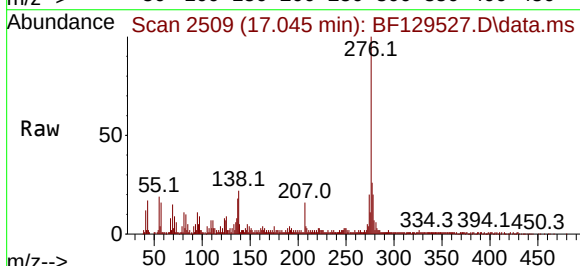
Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.4	27.6
265	21.9	17.2	25.8

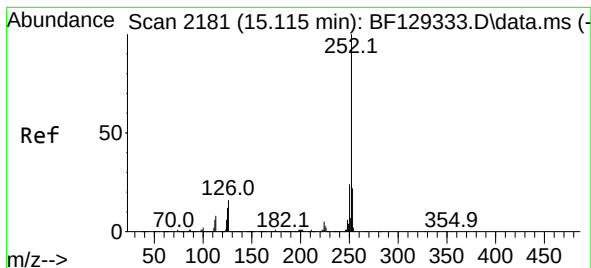


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.536 ng
RT: 17.045 min Scan# 2509
Delta R.T. 0.012 min
Lab File: BF129527.D
Acq: 03 Aug 2022 01:56

Tgt Ion:276 Resp: 111865

Ion	Ratio	Lower	Upper
276	100		
138	22.4	21.1	31.7
277	24.1	20.3	30.5





#88

Benzo(b)fluoranthene

Concen: 25.085 ng

RT: 15.104 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129527.D

Acq: 03 Aug 2022 01:56

Instrument :

BNA_F

ClientSampleId :

OR-3-072922DL

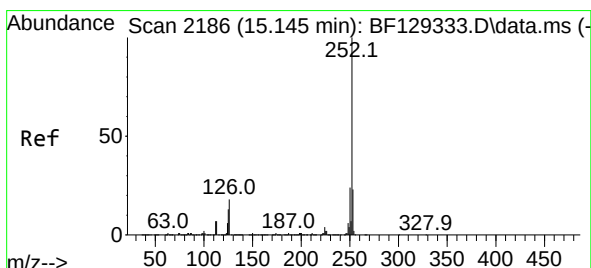
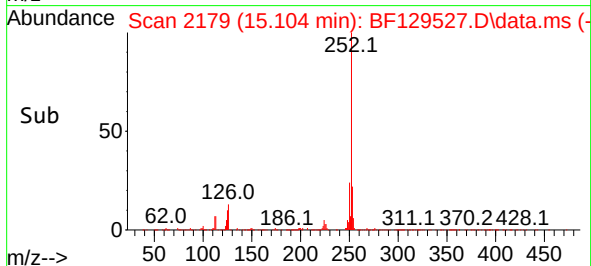
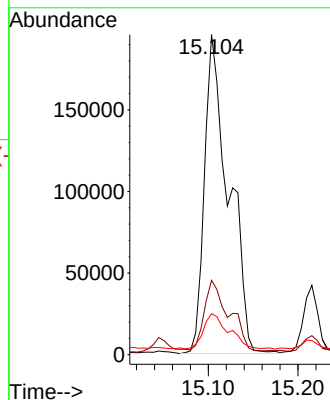
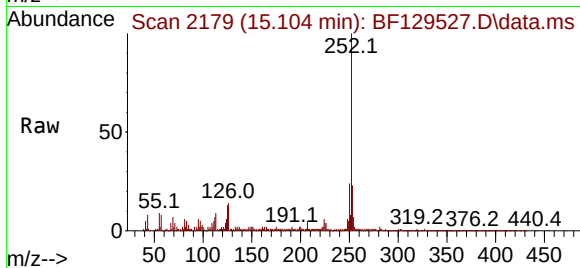
Tgt Ion:252 Resp: 366799

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 12.8 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 25.598 ng

RT: 15.104 min Scan# 2179

Delta R.T. -0.018 min

Lab File: BF129527.D

Acq: 03 Aug 2022 01:56

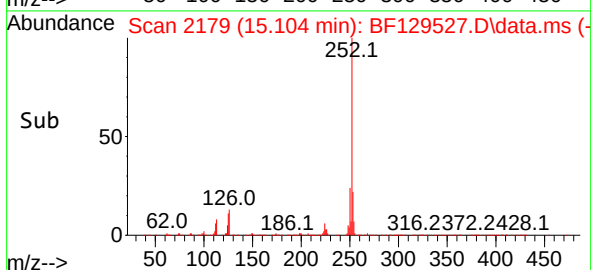
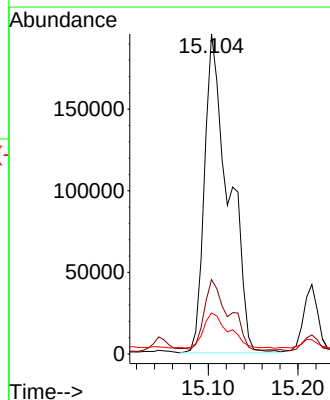
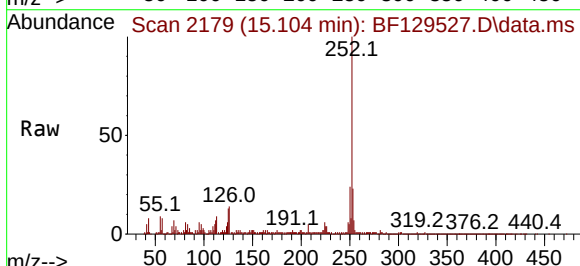
Tgt Ion:252 Resp: 366799

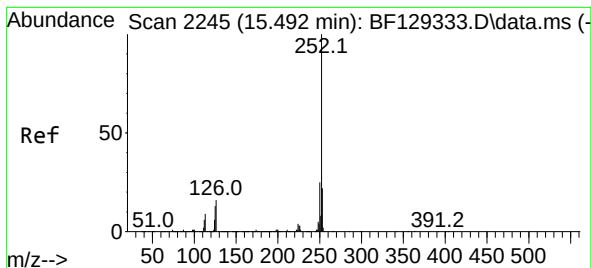
Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

125 12.8 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 15.744 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129527.D

Acq: 03 Aug 2022 01:56

Instrument :

BNA_F

ClientSampleId :

OR-3-072922DL

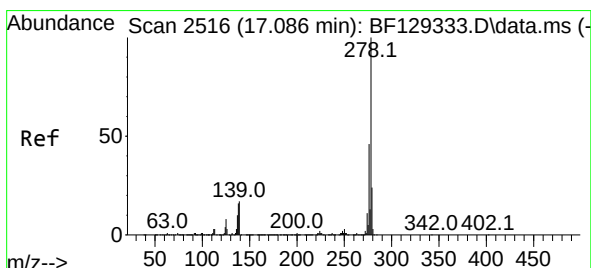
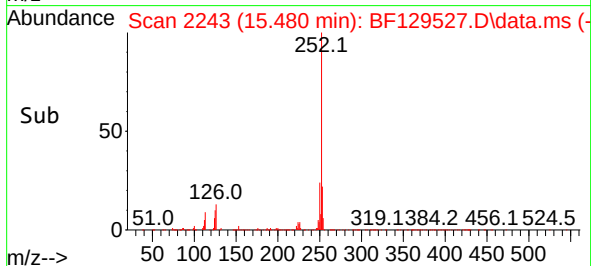
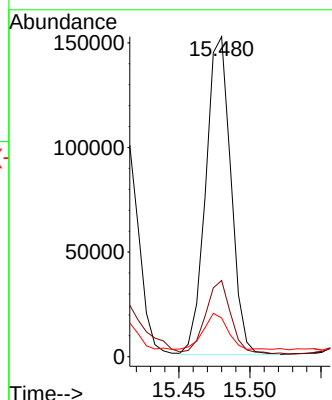
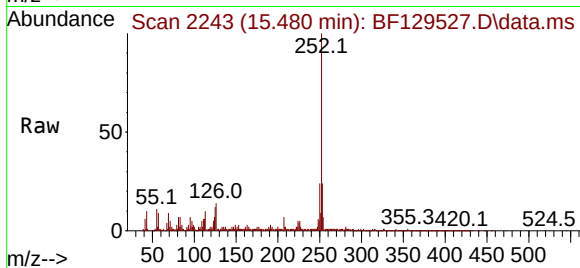
Tgt Ion:252 Resp: 186875

Ion Ratio Lower Upper

252 100

253 23.8 17.0 25.6

125 12.1 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 2.238 ng

RT: 17.056 min Scan# 2511

Delta R.T. 0.012 min

Lab File: BF129527.D

Acq: 03 Aug 2022 01:56

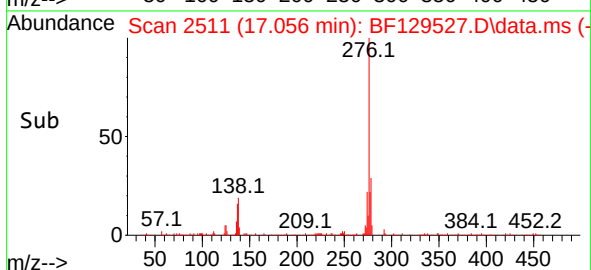
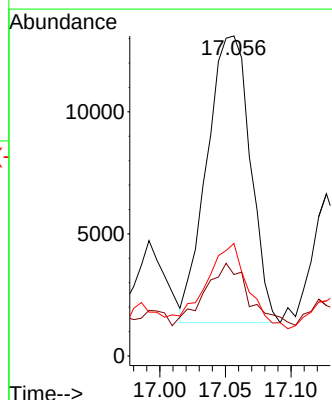
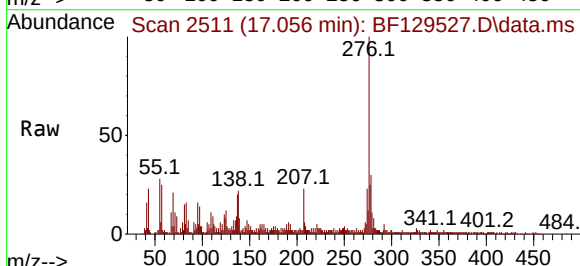
Tgt Ion:278 Resp: 27035

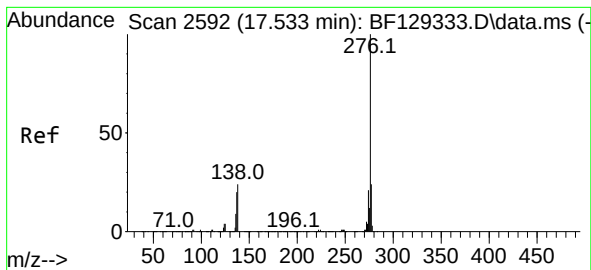
Ion Ratio Lower Upper

278 100

139 25.5 12.8 19.2#

279 35.2 18.6 28.0#





#92
 Benzo(g,h,i)perylene
 Concen: 8.218 ng
 RT: 17.509 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF129527.D
 Acq: 03 Aug 2022 01:56

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-072922DL

Tgt Ion:276 Resp: 101458
 Ion Ratio Lower Upper
 276 100
 277 23.4 19.1 28.7
 138 22.7 18.0 27.0

