

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
 Data File : BF129654.D
 Acq On : 09 Aug 2022 03:51
 Operator : CG\JU
 Sample : N4063-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-5D

Quant Time: Aug 09 04:44:52 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 05 16:27:34 2022
 Response via : Initial Calibration

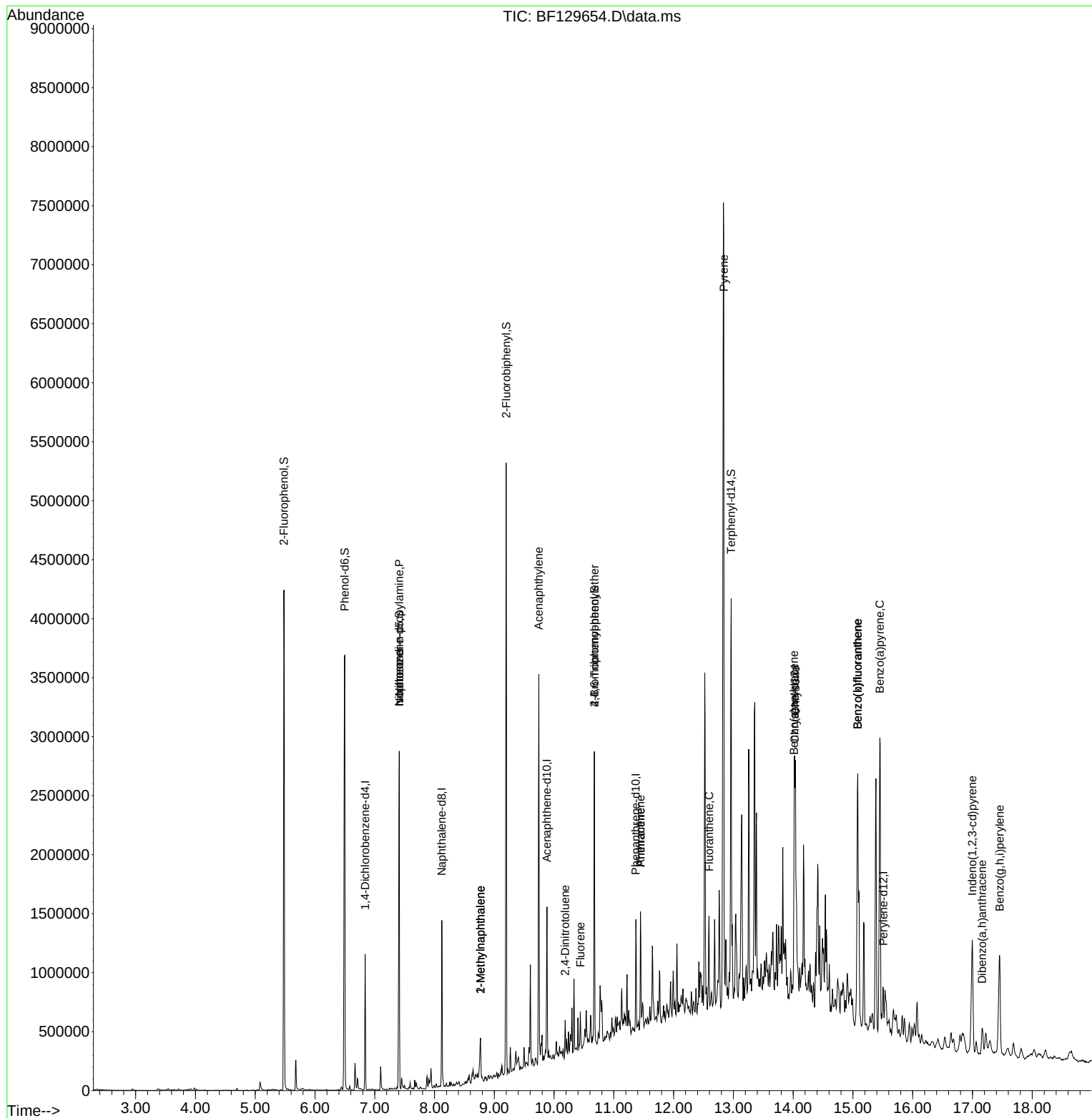
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	149904	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	555563	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	241187	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	318397	20.000	ng	#-0.01
76) Chrysene-d12	14.027	240	238781	20.000	ng	0.00
86) Perylene-d12	15.509	264	171768	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1184086	128.674	ng	0.00
7) Phenol-d6	6.498	99	1465597	126.709	ng	0.00
23) Nitrobenzene-d5	7.410	82	909176	89.334	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	260391	112.294	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1542052	98.906	ng	-0.01
79) Terphenyl-d14	12.963	244	1164018	91.968	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.410	70	119739	17.100	ng	# 74
25) Isophorone	7.410	82	905998	49.663	ng	# 65
37) 2-Methylnaphthalene	8.769	142	138769	7.565	ng	93
38) 1-Methylnaphthalene	8.769	142	137901	7.788	ng	98
49) Acenaphthylene	9.745	152	1288651	59.601	ng	99
57) 2,4-Dinitrotoluene	10.186	165	13768	2.828	ng	# 45
58) Fluorene	10.439	166	71253	4.574	ng	# 52
67) 4-Bromophenyl-phenylether	10.674	248	17065	4.895	ng	# 1
71) Phenanthrene	11.445	178	411201	23.659	ng	97
72) Anthracene	11.445	178	411201	24.075	ng	98
75) Fluoranthene	12.592	202	253158	14.376	ng	98
78) Pyrene	12.839	202	3572159	178.898	ng	98
81) Benzo(a)anthracene	14.015	228	412886	25.313	ng	# 37
83) Chrysene	14.039	228	716708	46.623	ng	92
87) Indeno(1,2,3-cd)pyrene	16.998	276	646405	55.883	ng	94
88) Benzo(b)fluoranthene	15.080	252	1572838	138.042	ng	98
89) Benzo(k)fluoranthene	15.080	252	1572838	140.864	ng	99
90) Benzo(a)pyrene	15.451	252	1201149	129.864	ng	97
91) Dibenzo(a,h)anthracene	17.162	278	166131	17.646	ng	97
92) Benzo(g,h,i)perylene	17.456	276	707344	73.528	ng	98

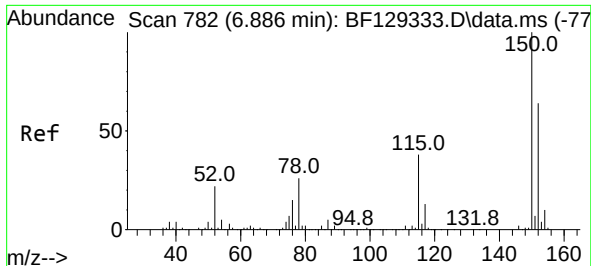
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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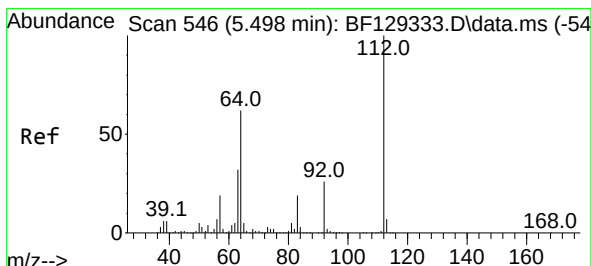
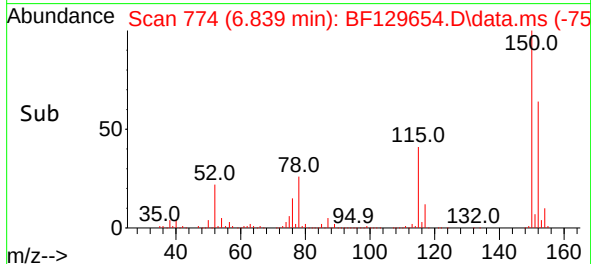
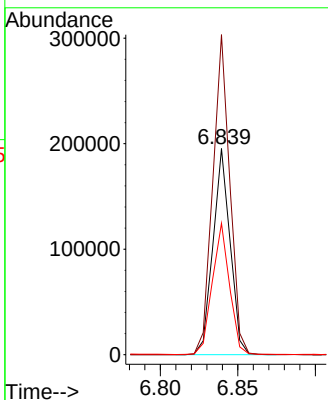
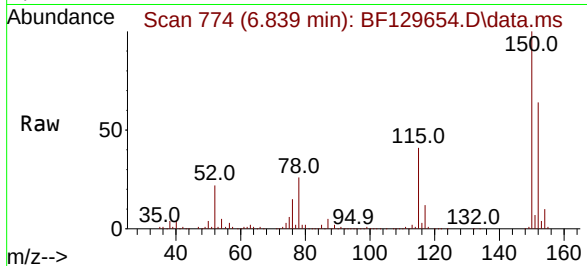




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

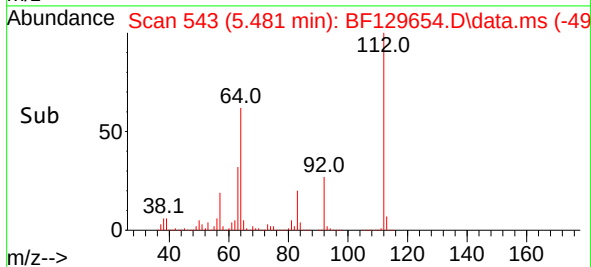
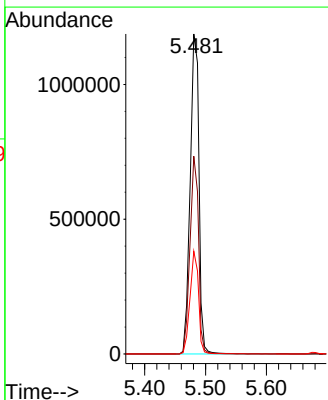
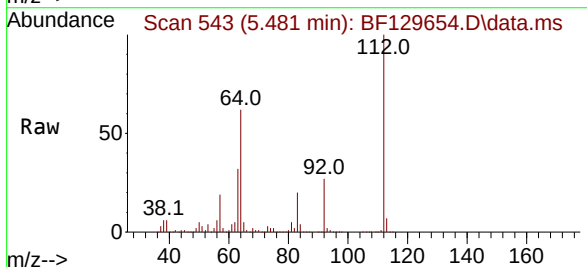
Instrument :
BNA_F
ClientSampleId :
P-5D

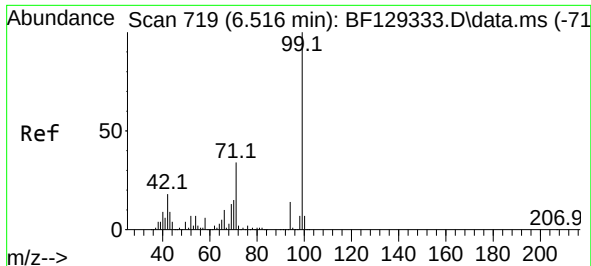
Tgt Ion:152 Resp: 149904
Ion Ratio Lower Upper
152 100
150 155.3 123.7 185.5
115 63.8 49.9 74.9



#5
2-Fluorophenol
Concen: 128.674 ng
RT: 5.481 min Scan# 543
Delta R.T. -0.000 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

Tgt Ion:112 Resp: 1184086
Ion Ratio Lower Upper
112 100
64 61.8 53.3 79.9
63 32.1 28.0 42.0





#7
Phenol-d6
Concen: 126.709 ng
RT: 6.498 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

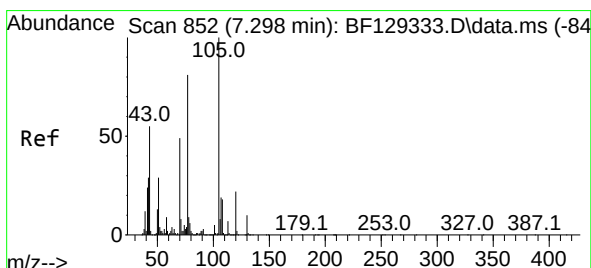
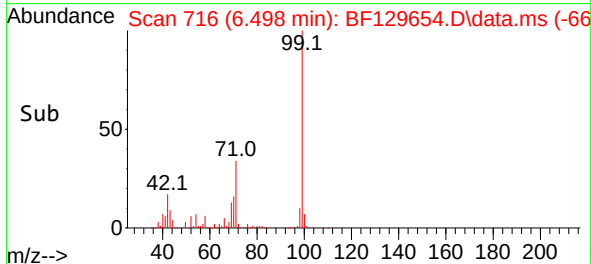
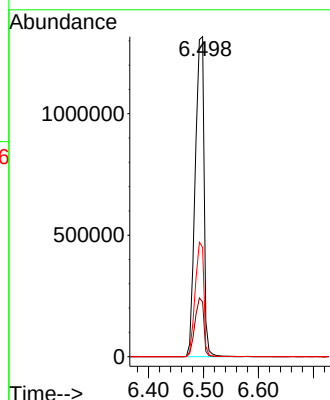
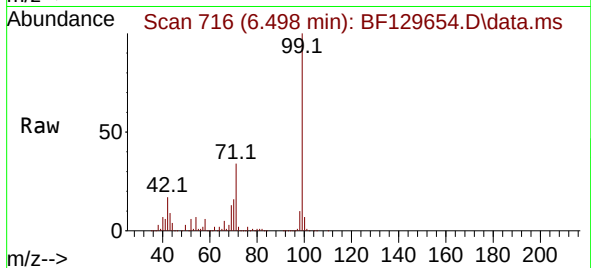
Instrument :

BNA_F

ClientSampleId :

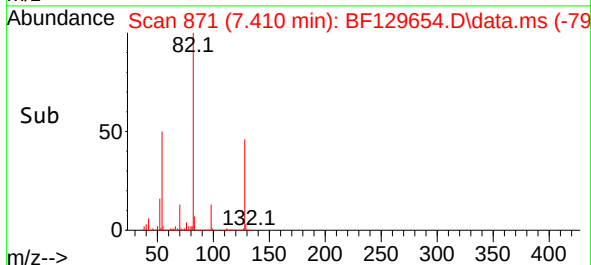
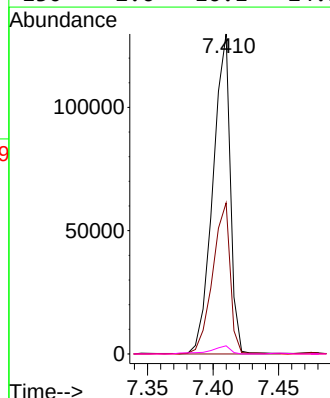
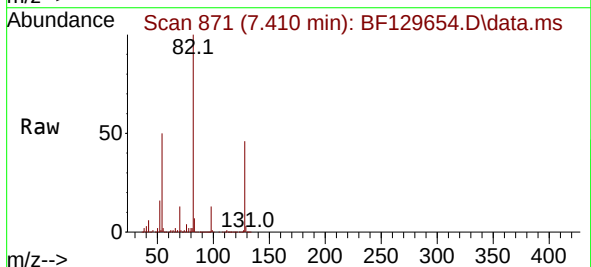
P-5D

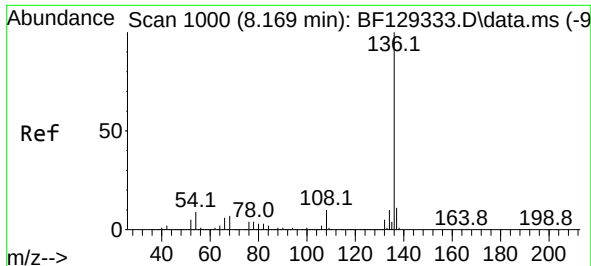
Tgt Ion: 99 Resp: 1465597
Ion Ratio Lower Upper
99 100
42 17.2 17.3 25.9#
71 34.1 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 17.100 ng
RT: 7.410 min Scan# 871
Delta R.T. 0.141 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

Tgt Ion: 70 Resp: 119739
Ion Ratio Lower Upper
70 100
42 47.2 52.3 78.5#
101 0.0 7.5 11.3#
130 2.6 16.1 24.1#



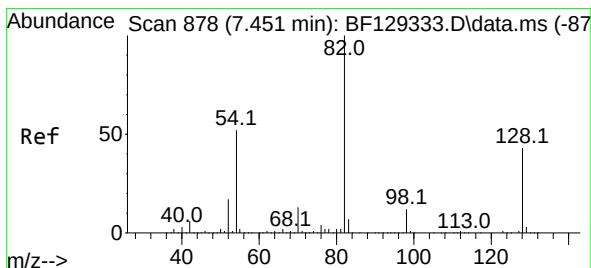
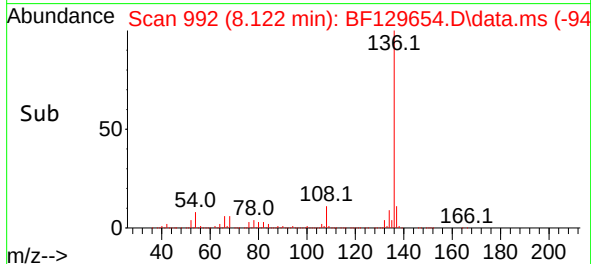
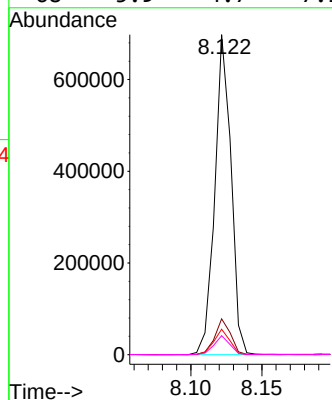
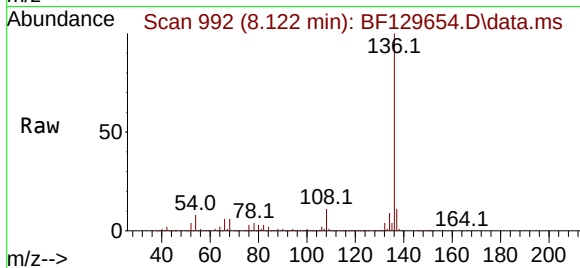


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

Instrument :
BNA_F
ClientSampleId :
P-5D

Tgt Ion:136 Resp: 555563

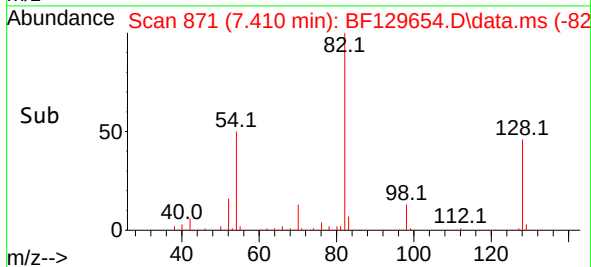
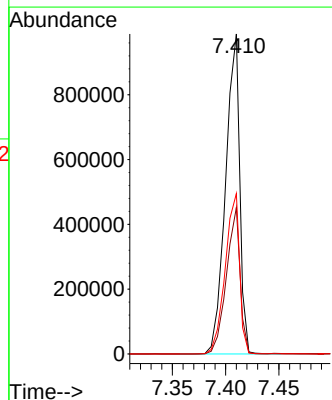
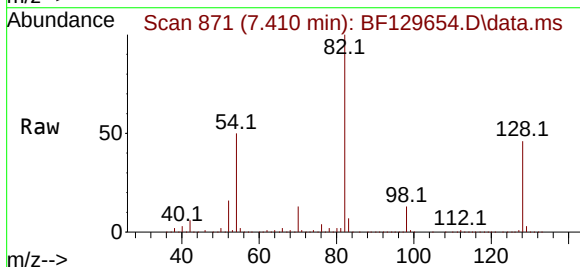
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.0	7.5	11.3
68	5.9	4.7	7.1

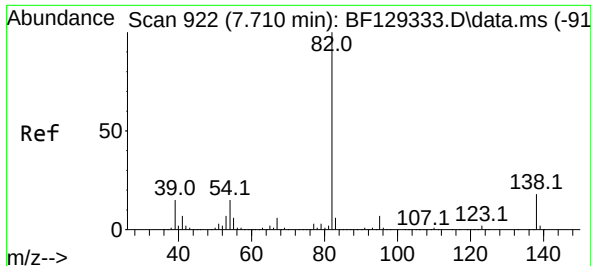


#23
Nitrobenzene-d5
Concen: 89.334 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.012 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

Tgt Ion: 82 Resp: 909176

Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.0	51.0
54	50.1	46.9	70.3

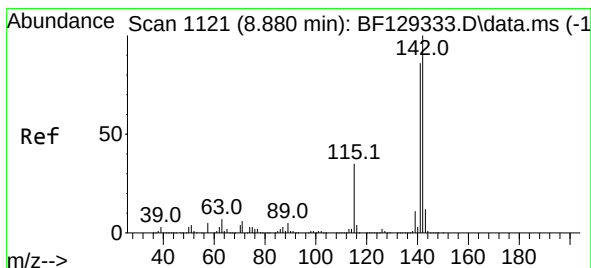
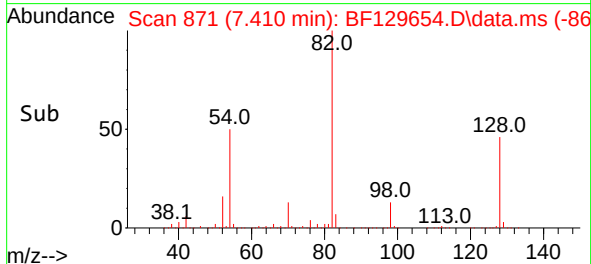
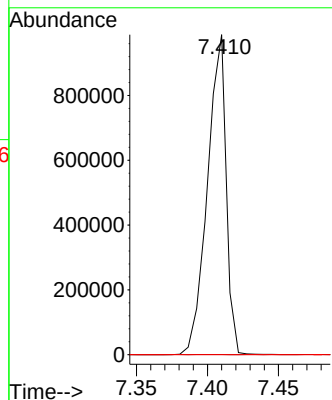
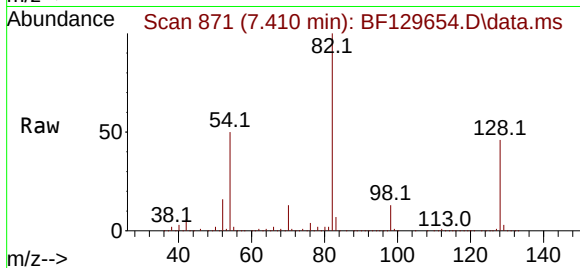




#25
Isophorone
Concen: 49.663 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

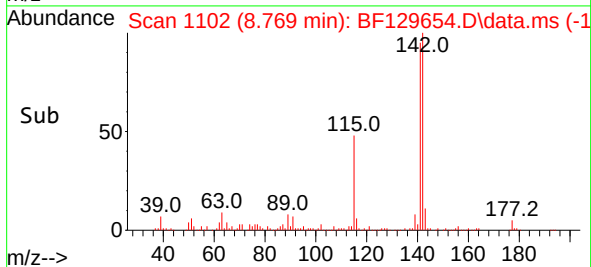
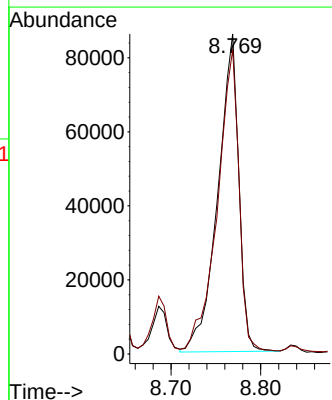
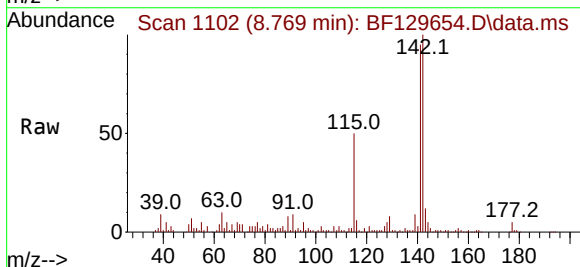
Instrument :
BNA_F
ClientSampleId :
P-5D

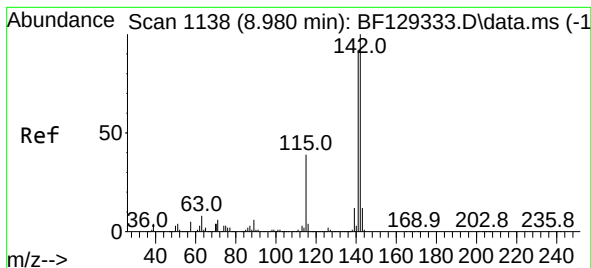
Tgt Ion: 82 Resp: 905998
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#37
2-Methylnaphthalene
Concen: 7.565 ng
RT: 8.769 min Scan# 1102
Delta R.T. -0.082 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

Tgt Ion:142 Resp: 138769
Ion Ratio Lower Upper
142 100
141 95.1 71.0 106.4





#38

1-Methylnaphthalene

Concen: 7.788 ng

RT: 8.769 min Scan# 1102

Delta R.T. -0.182 min

Lab File: BF129654.D

Acq: 09 Aug 2022 03:51

Instrument :

BNA_F

ClientSampleId :

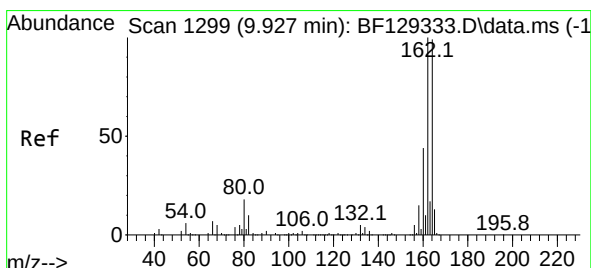
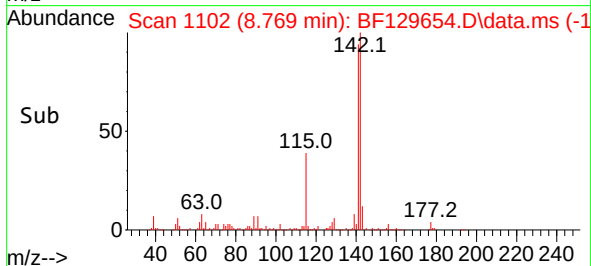
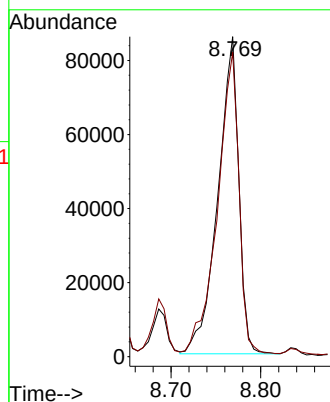
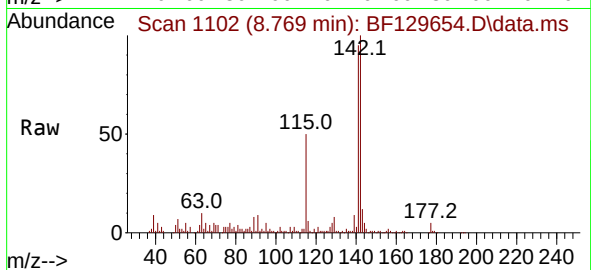
P-5D

Tgt Ion:142 Resp: 137901

Ion Ratio Lower Upper

142 100

141 95.1 74.2 111.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1291

Delta R.T. -0.012 min

Lab File: BF129654.D

Acq: 09 Aug 2022 03:51

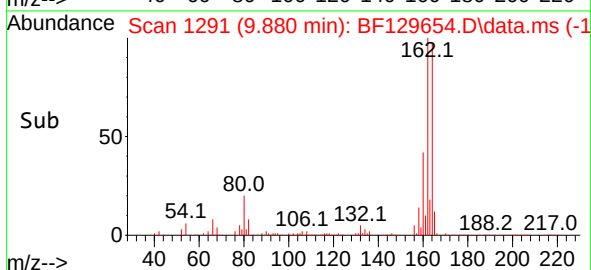
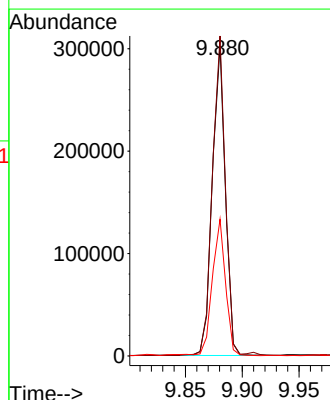
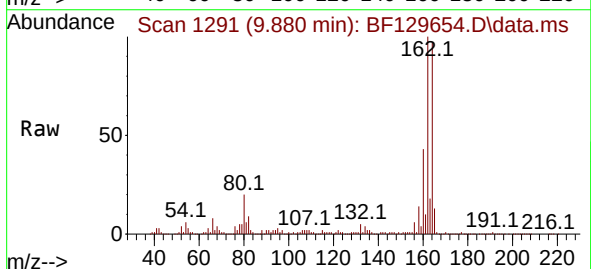
Tgt Ion:164 Resp: 241187

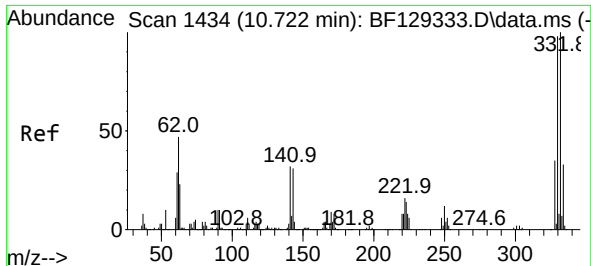
Ion Ratio Lower Upper

164 100

162 103.2 79.5 119.3

160 44.1 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 112.294 ng

RT: 10.674 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF129654.D

Acq: 09 Aug 2022 03:51

Instrument :

BNA_F

ClientSampleId :

P-5D

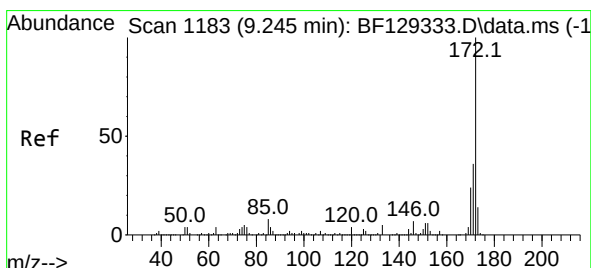
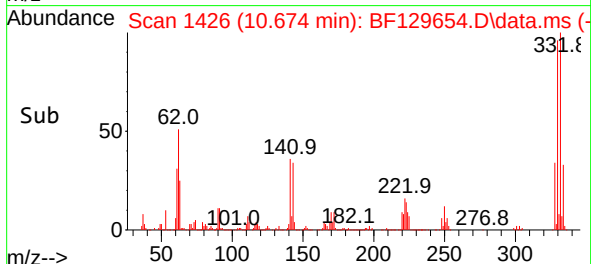
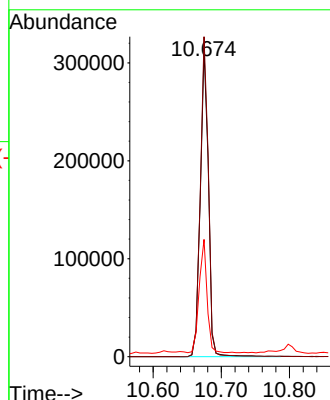
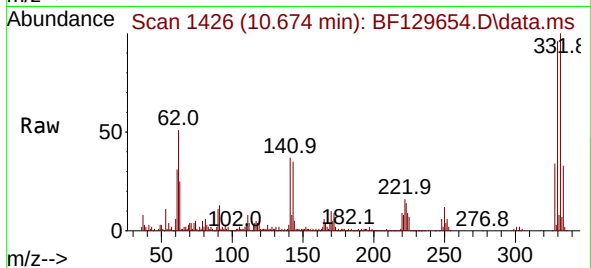
Tgt Ion:330 Resp: 260391

Ion Ratio Lower Upper

330 100

332 103.3 76.8 115.2

141 35.9 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 98.906 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.012 min

Lab File: BF129654.D

Acq: 09 Aug 2022 03:51

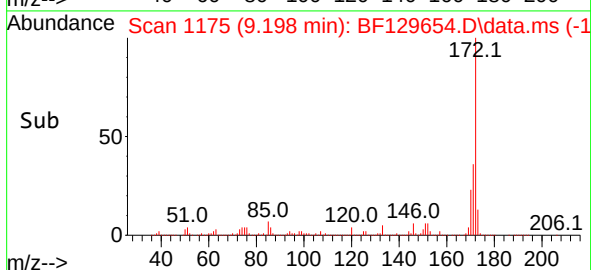
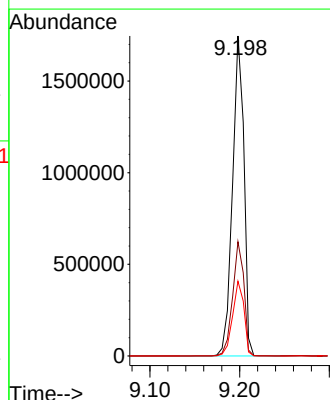
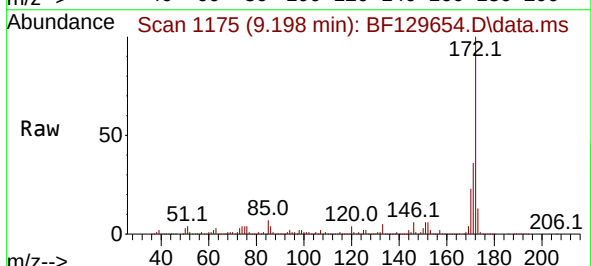
Tgt Ion:172 Resp: 1542052

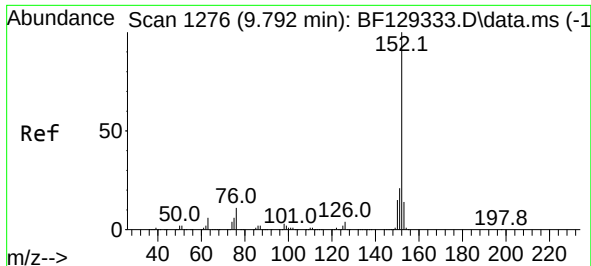
Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.3 19.8 29.8

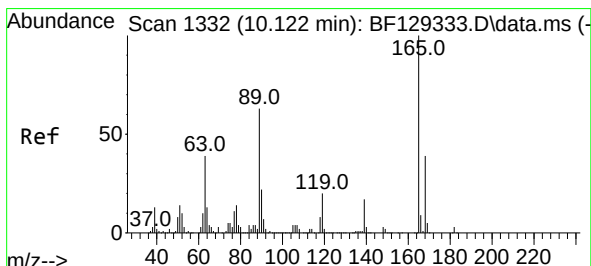
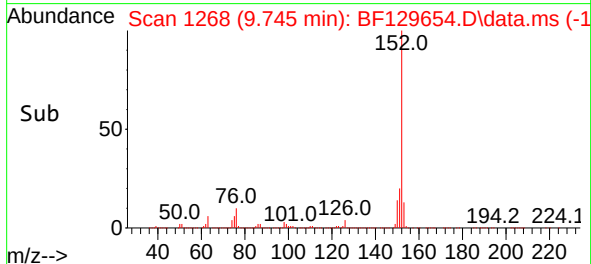
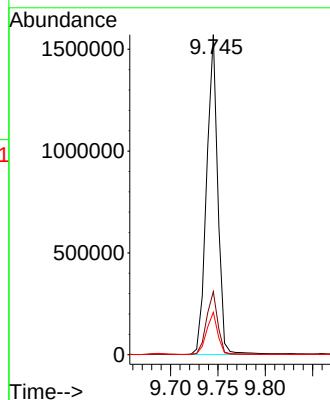
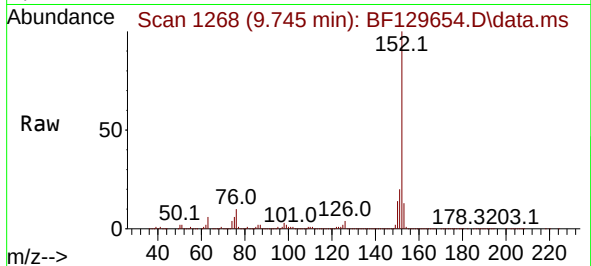




#49
Acenaphthylene
Concen: 59.601 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

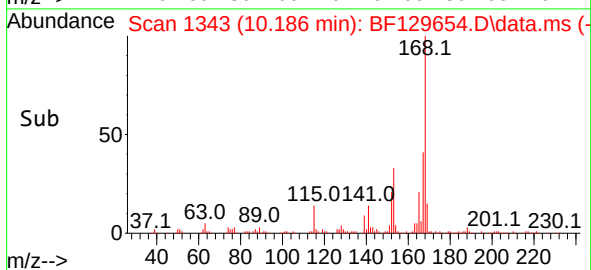
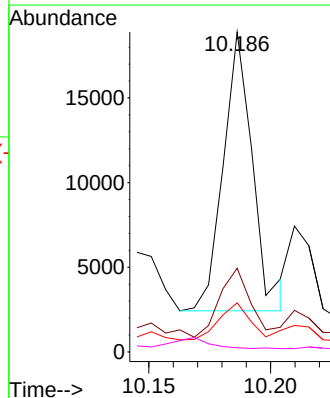
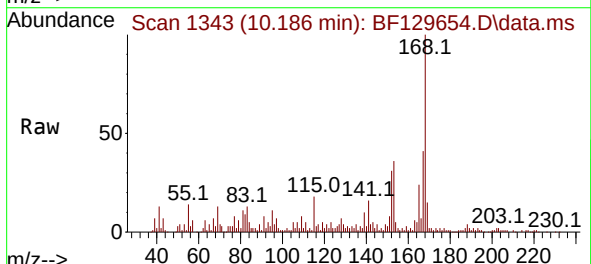
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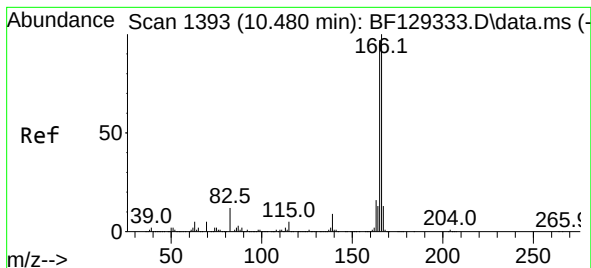
Tgt Ion:152 Resp: 1288651
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.4
153 13.2 10.7 16.1



#57
2,4-Dinitrotoluene
Concen: 2.828 ng
RT: 10.186 min Scan# 1343
Delta R.T. 0.100 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

Tgt Ion:165 Resp: 13768
Ion Ratio Lower Upper
165 100
63 26.2 39.8 59.6#
89 15.4 60.2 90.2#
182 1.3 2.2 3.2#





#58

Fluorene

Concen: 4.574 ng

RT: 10.439 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129654.D

Acq: 09 Aug 2022 03:51

Instrument :

BNA_F

ClientSampleId :

P-5D

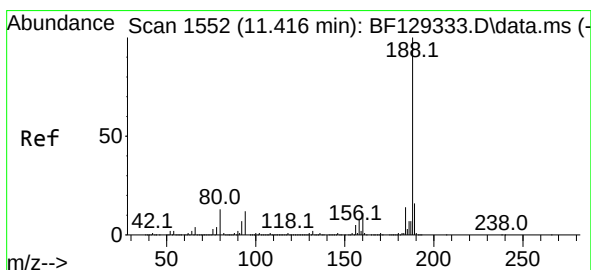
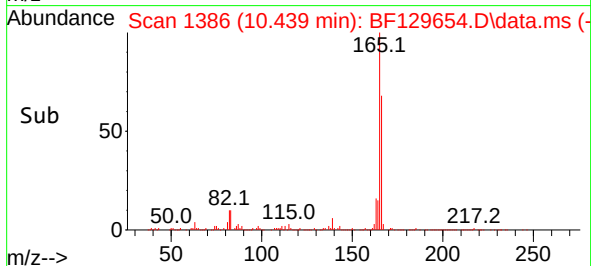
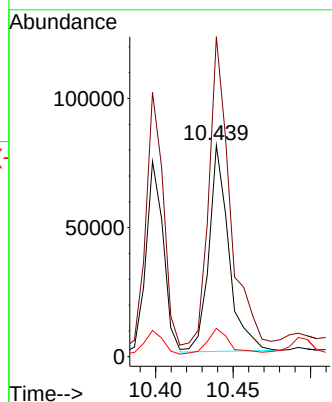
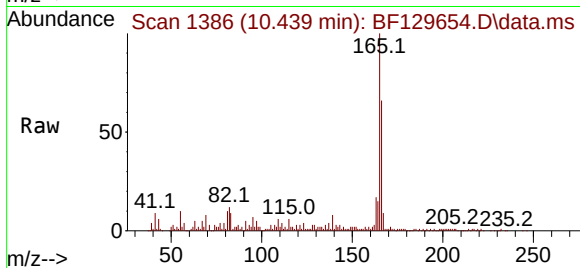
Tgt Ion:166 Resp: 71253

Ion Ratio Lower Upper

166 100

165 151.4 78.1 117.1#

167 13.4 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1544

Delta R.T. -0.012 min

Lab File: BF129654.D

Acq: 09 Aug 2022 03:51

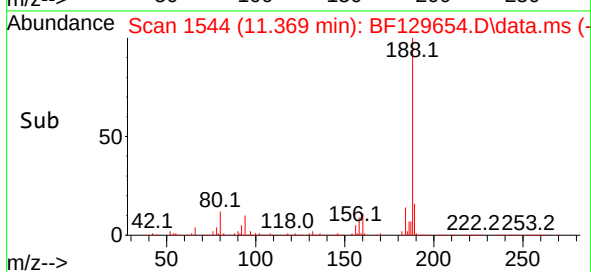
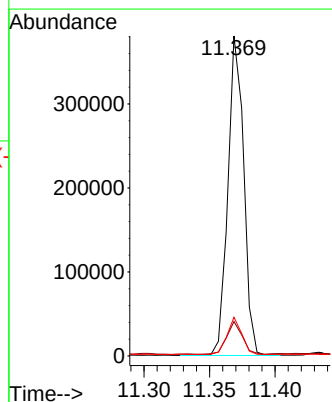
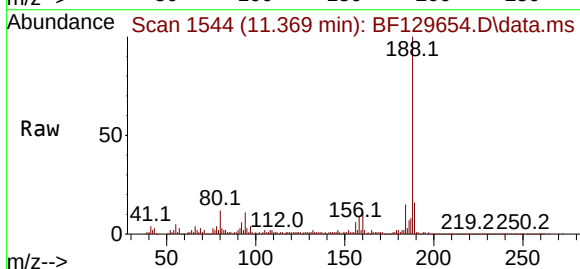
Tgt Ion:188 Resp: 318397

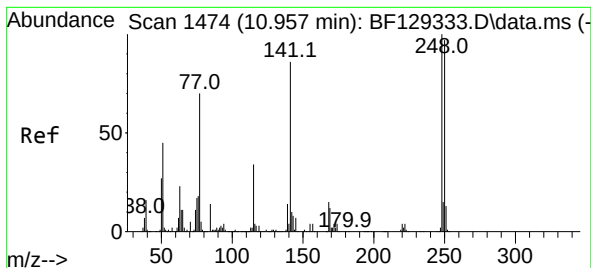
Ion Ratio Lower Upper

188 100

94 10.7 7.0 10.6#

80 12.1 7.6 11.4#

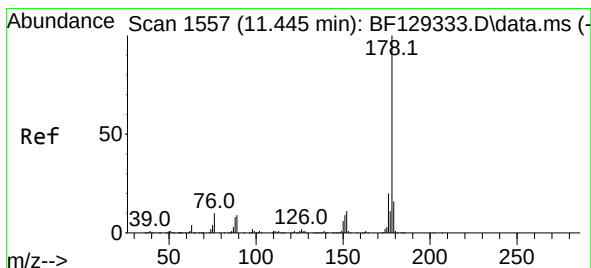
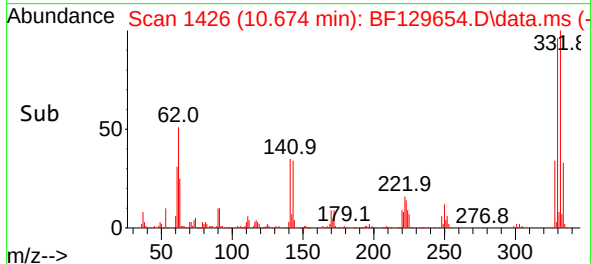
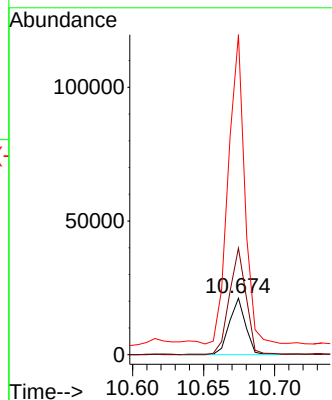
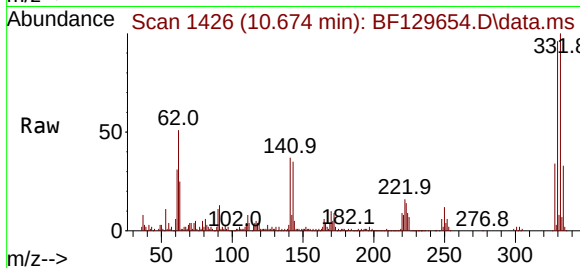




#67
4-Bromophenyl-phenylether
Concen: 4.895 ng
RT: 10.674 min Scan# 1474
Delta R.T. -0.247 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

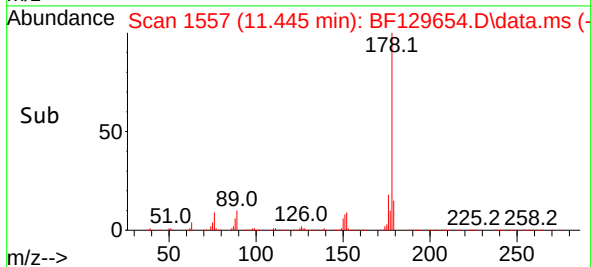
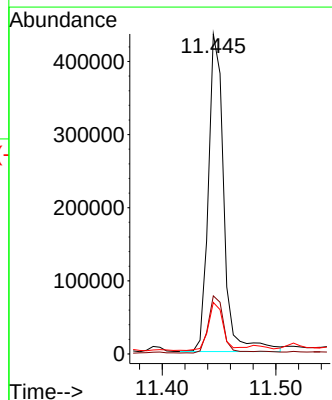
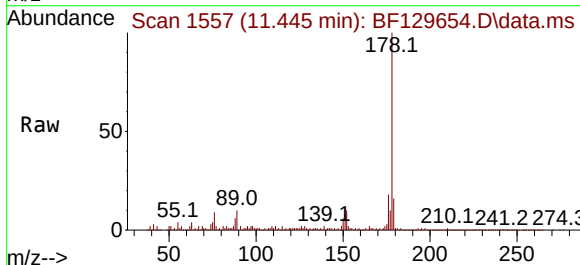
Instrument :
BNA_F
ClientSampleId :
P-5D

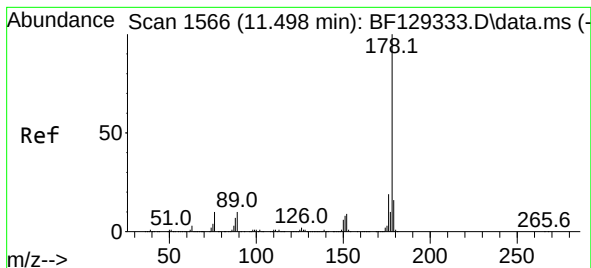
Tgt Ion:248 Resp: 17065
Ion Ratio Lower Upper
248 100
250 188.4 80.6 120.8#
141 566.1 58.9 88.3#



#71
Phenanthrene
Concen: 23.659 ng
RT: 11.445 min Scan# 1557
Delta R.T. 0.035 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

Tgt Ion:178 Resp: 411201
Ion Ratio Lower Upper
178 100
176 18.2 16.0 24.0
179 16.1 12.6 19.0





#72

Anthracene

Concen: 24.075 ng

RT: 11.445 min Scan# 1557

Delta R.T. -0.018 min

Lab File: BF129654.D

Acq: 09 Aug 2022 03:51

Instrument :

BNA_F

ClientSampleId :

P-5D

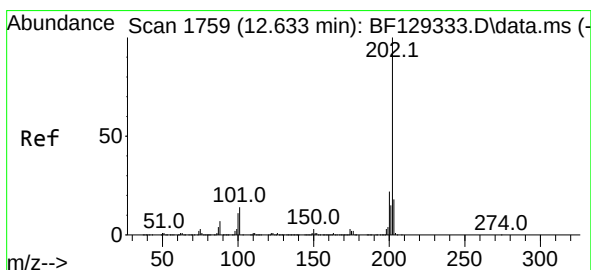
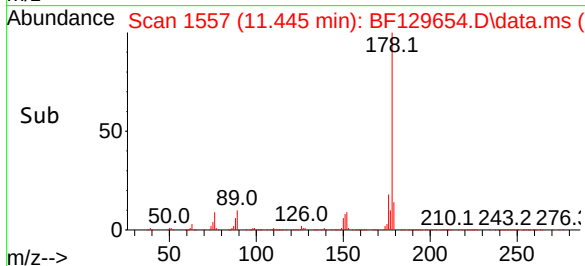
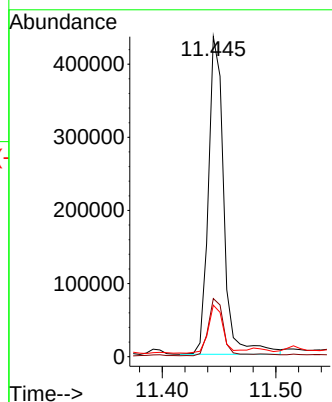
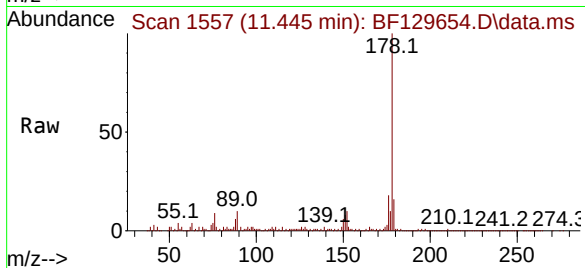
Tgt Ion:178 Resp: 411201

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

179 16.1 12.6 19.0



#75

Fluoranthene

Concen: 14.376 ng

RT: 12.592 min Scan# 1752

Delta R.T. -0.006 min

Lab File: BF129654.D

Acq: 09 Aug 2022 03:51

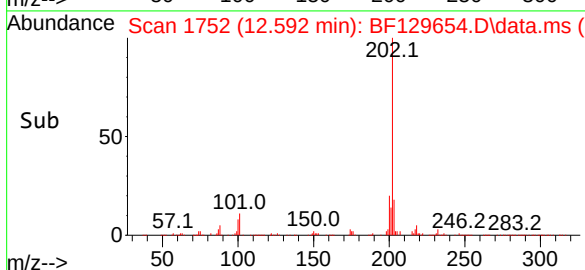
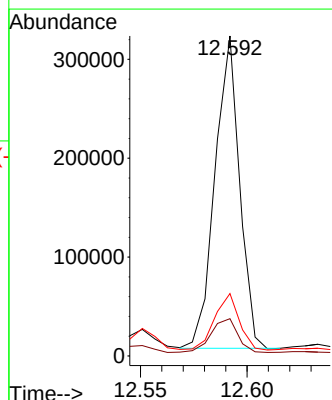
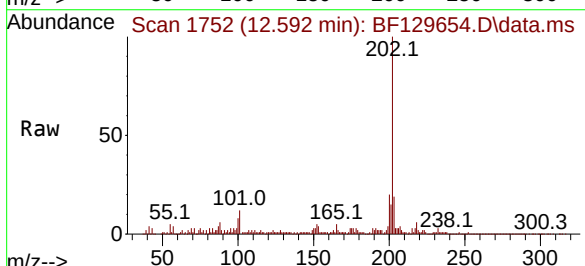
Tgt Ion:202 Resp: 253158

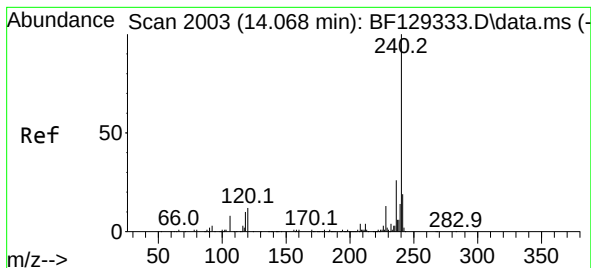
Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.4

203 19.5 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 1996

Delta R.T. -0.000 min

Lab File: BF129654.D

Acq: 09 Aug 2022 03:51

Instrument :

BNA_F

ClientSampleId :

P-5D

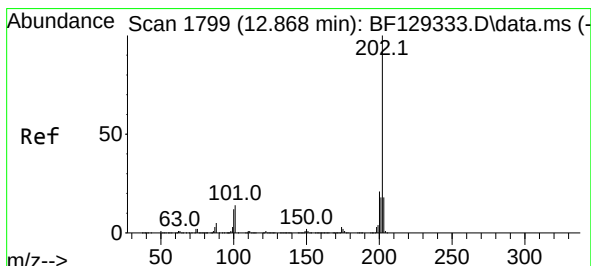
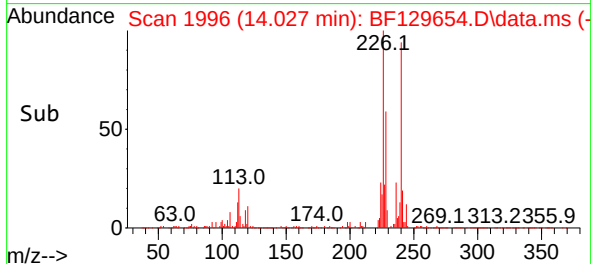
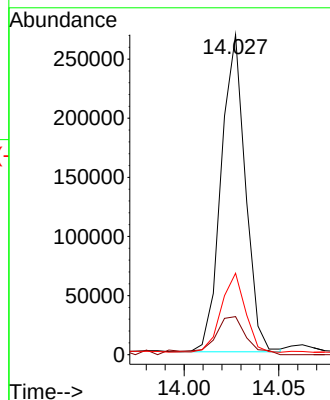
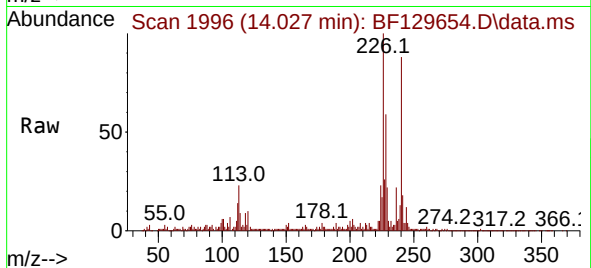
Tgt Ion:240 Resp: 238781

Ion Ratio Lower Upper

240 100

120 11.9 8.9 13.3

236 25.5 20.8 31.2



#78

Pyrene

Concen: 178.898 ng

RT: 12.839 min Scan# 1794

Delta R.T. 0.012 min

Lab File: BF129654.D

Acq: 09 Aug 2022 03:51

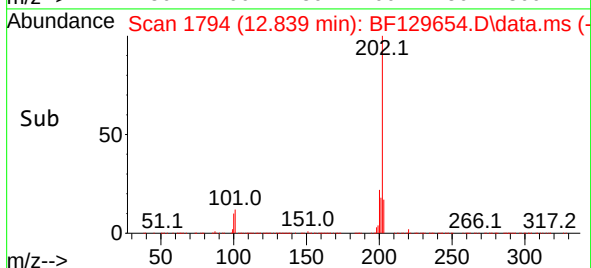
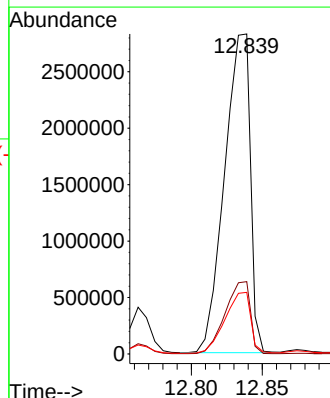
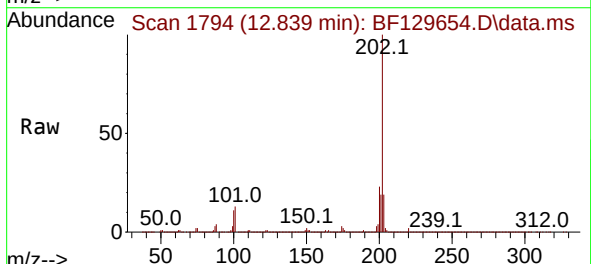
Tgt Ion:202 Resp: 3572159

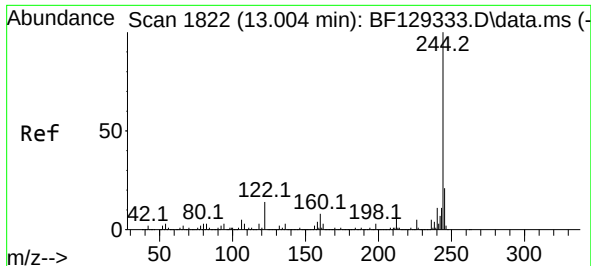
Ion Ratio Lower Upper

202 100

200 22.6 17.7 26.5

203 19.3 14.6 21.8

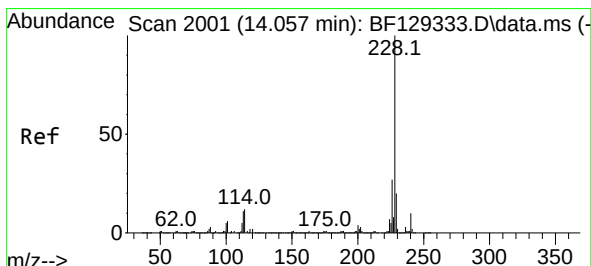
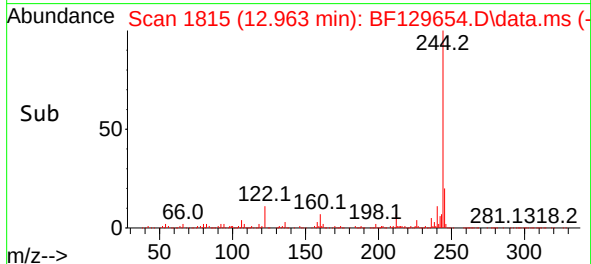
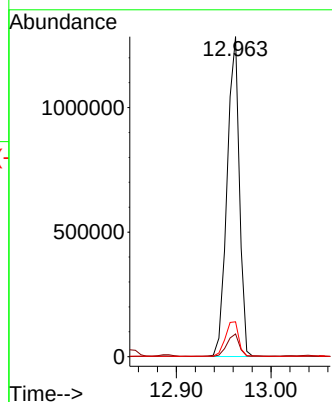
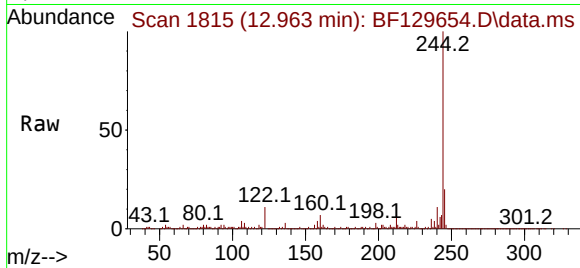




#79
 Terphenyl-d14
 Concen: 91.968 ng
 RT: 12.963 min Scan# 1164018
 Delta R.T. -0.006 min
 Lab File: BF129654.D
 Acq: 09 Aug 2022 03:51

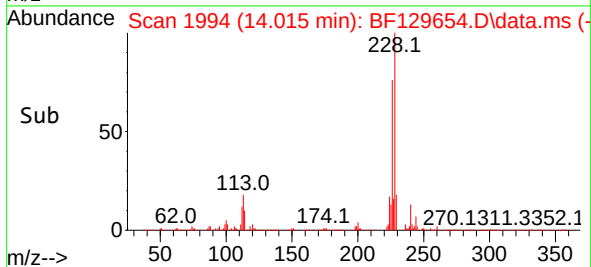
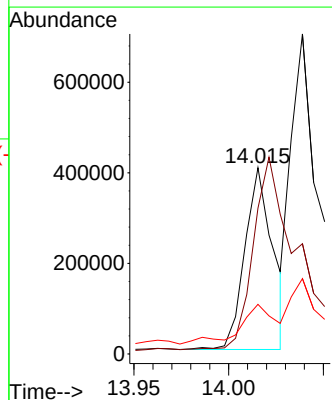
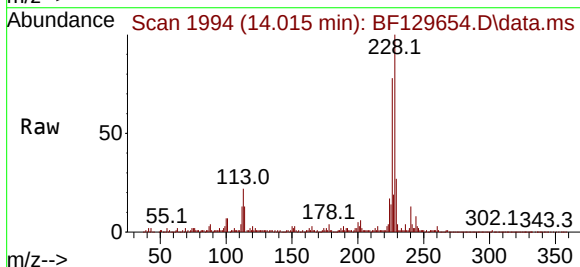
Instrument :
 BNA_F
 ClientSampleId :
 P-5D

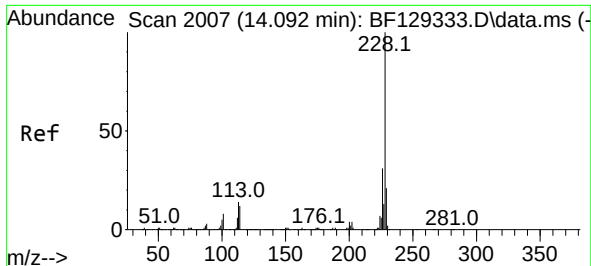
Tgt Ion:244 Resp: 1164018
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 10.9 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 25.313 ng
 RT: 14.015 min Scan# 1994
 Delta R.T. -0.000 min
 Lab File: BF129654.D
 Acq: 09 Aug 2022 03:51

Tgt Ion:228 Resp: 412886
 Ion Ratio Lower Upper
 228 100
 226 78.3 22.1 33.1#
 229 26.6 15.8 23.8#

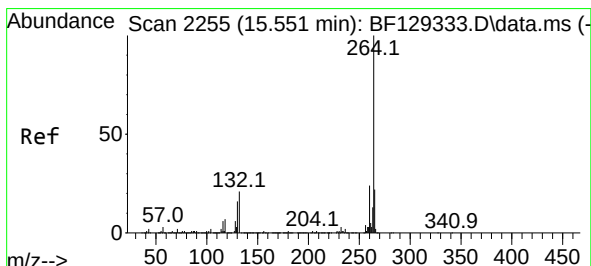
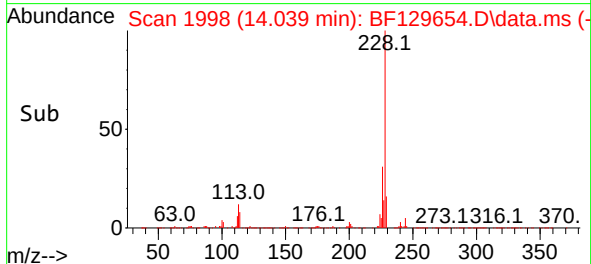
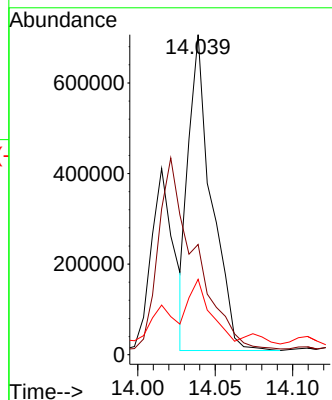
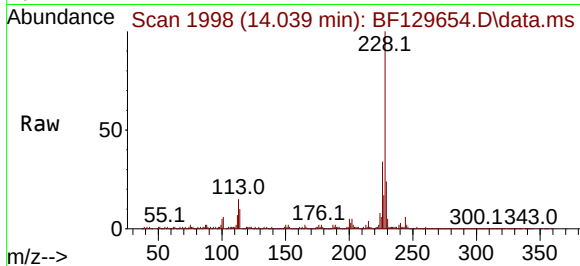




#83
Chrysene
Concen: 46.623 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

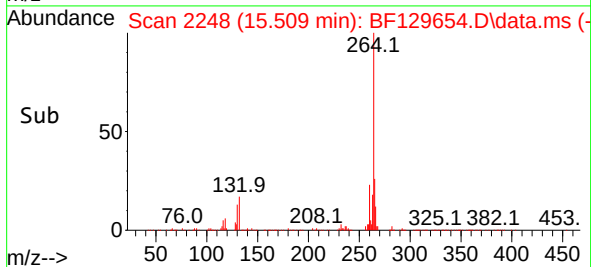
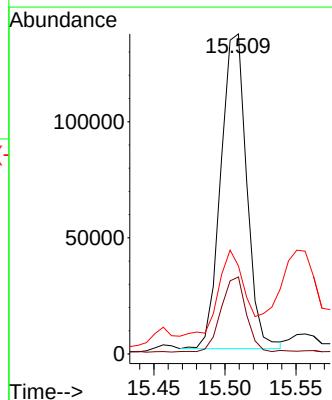
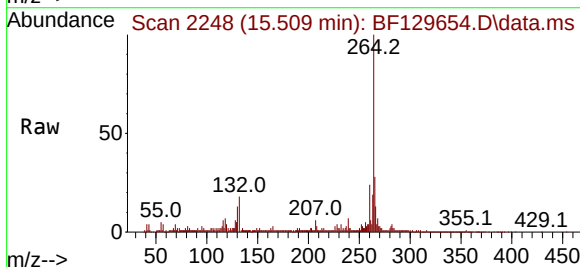
Instrument :
BNA_F
ClientSampleId :
P-5D

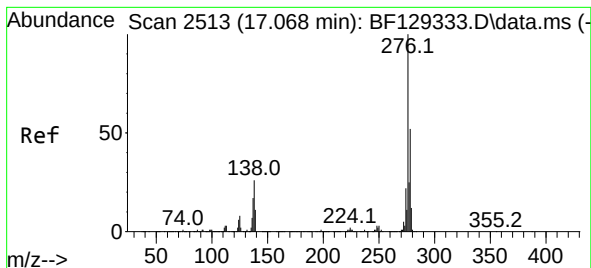
Tgt Ion:228 Resp: 716708
Ion Ratio Lower Upper
228 100
226 34.5 24.3 36.5
229 23.5 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2248
Delta R.T. 0.006 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

Tgt Ion:264 Resp: 171768
Ion Ratio Lower Upper
264 100
260 24.0 18.4 27.6
265 27.5 17.2 25.8#





#87

Indeno(1,2,3-cd)pyrene

Concen: 55.883 ng

RT: 16.998 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF129654.D

Acq: 09 Aug 2022 03:51

Instrument :

BNA_F

ClientSampleId :

P-5D

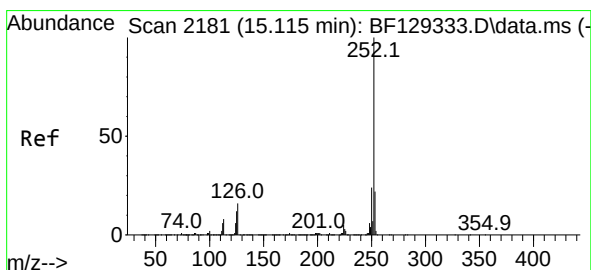
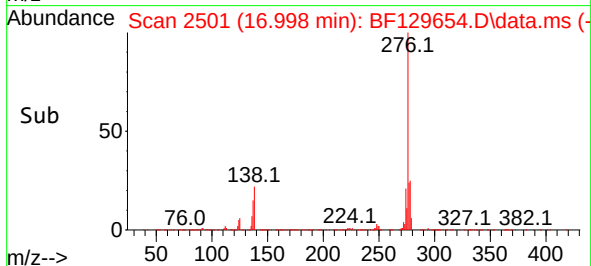
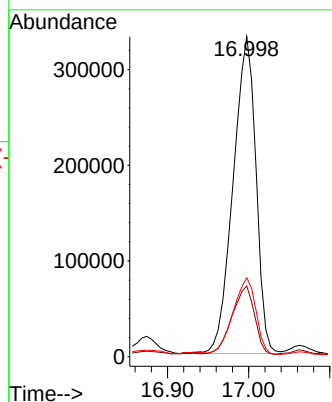
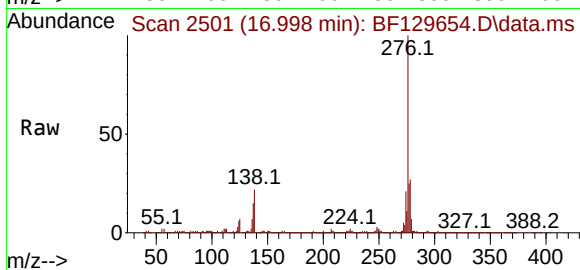
Tgt Ion:276 Resp: 646405

Ion Ratio Lower Upper

276 100

138 21.5 21.1 31.7

277 24.1 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 138.042 ng

RT: 15.080 min Scan# 2175

Delta R.T. 0.012 min

Lab File: BF129654.D

Acq: 09 Aug 2022 03:51

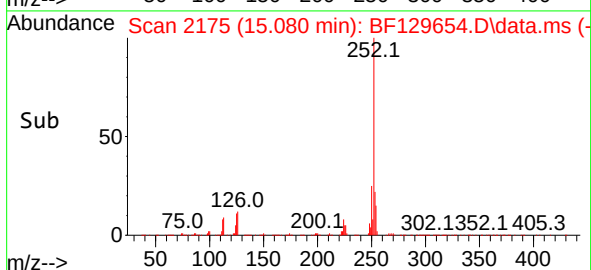
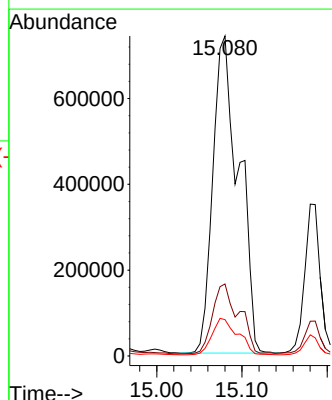
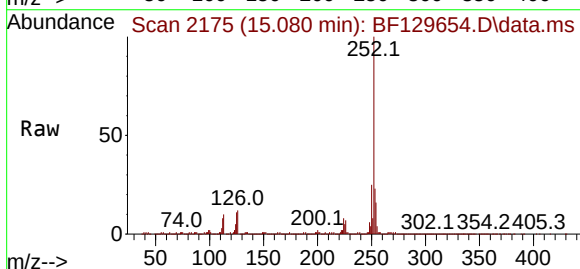
Tgt Ion:252 Resp: 1572838

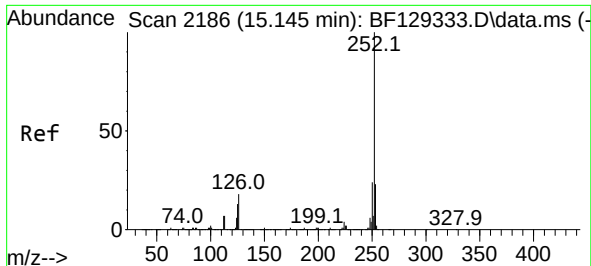
Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 11.4 8.0 12.0

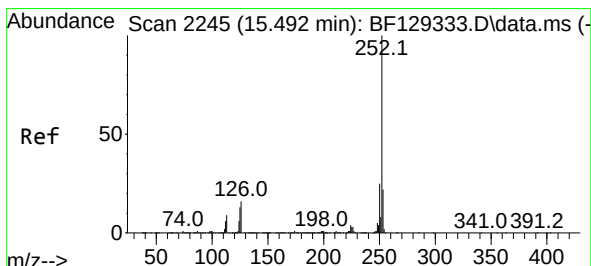
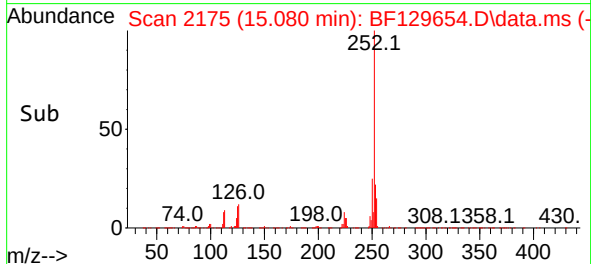
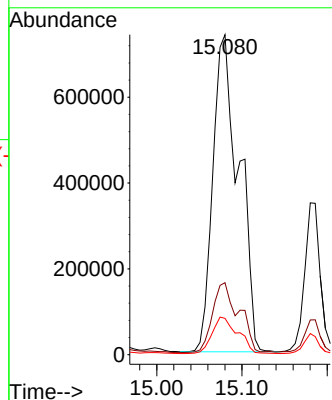
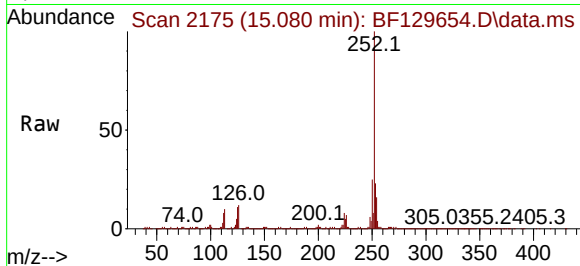




#89
Benzo(k)fluoranthene
Concen: 140.864 ng
RT: 15.080 min Scan# 2186
Delta R.T. -0.024 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

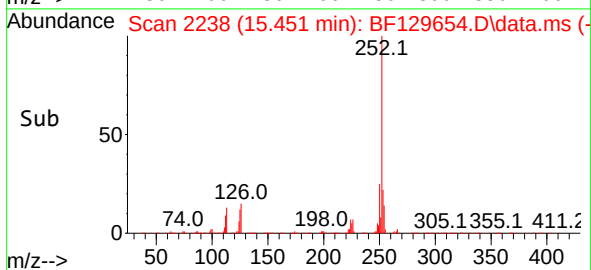
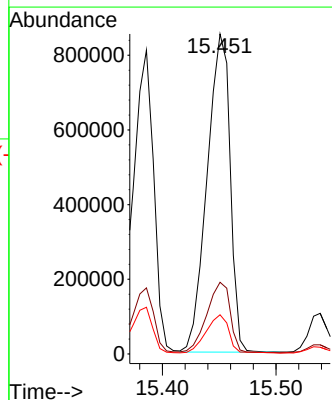
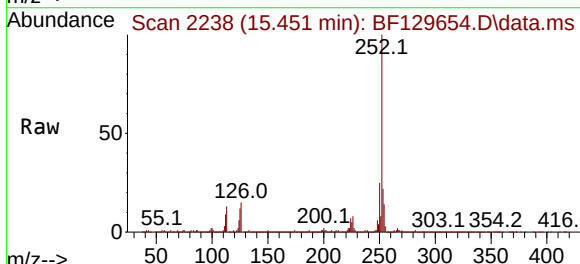
Instrument :
BNA_F
ClientSampleId :
P-5D

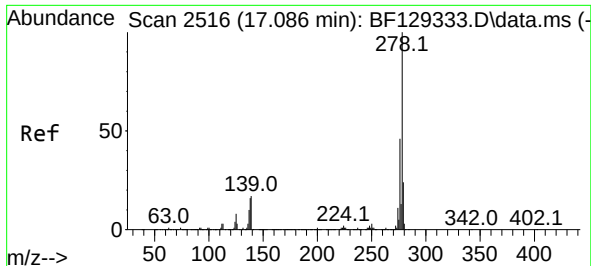
Tgt Ion:252 Resp: 1572838
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 11.4 8.3 12.5



#90
Benzo(a)pyrene
Concen: 129.864 ng
RT: 15.451 min Scan# 2238
Delta R.T. 0.012 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

Tgt Ion:252 Resp: 1201149
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 12.3 8.8 13.2

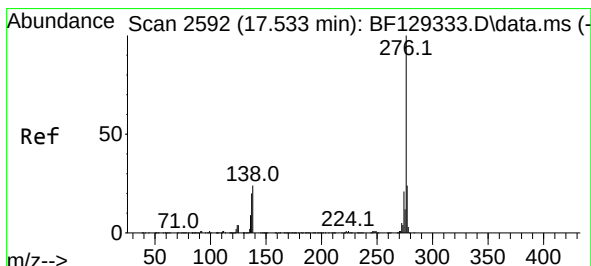
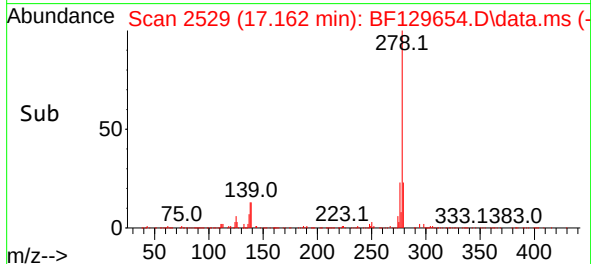
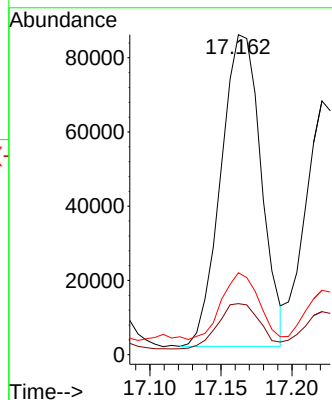
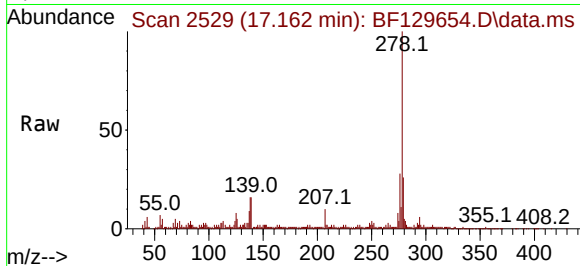




#91
Dibenzo(a,h)anthracene
Concen: 17.646 ng
RT: 17.162 min Scan# 2529
Delta R.T. 0.153 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

Instrument :
BNA_F
ClientSampleId :
P-5D

Tgt Ion:278 Resp: 166131
Ion Ratio Lower Upper
278 100
139 16.0 12.8 19.2
279 25.6 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 73.528 ng
RT: 17.456 min Scan# 2579
Delta R.T. 0.006 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

Tgt Ion:276 Resp: 707344
Ion Ratio Lower Upper
276 100
277 23.5 19.1 28.7
138 20.7 18.0 27.0

