

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080922\
 Data File : BF129676.D
 Acq On : 09 Aug 2022 20:36
 Operator : CG\JU
 Sample : N3963-16
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-220

Quant Time: Aug 10 05:34:22 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)

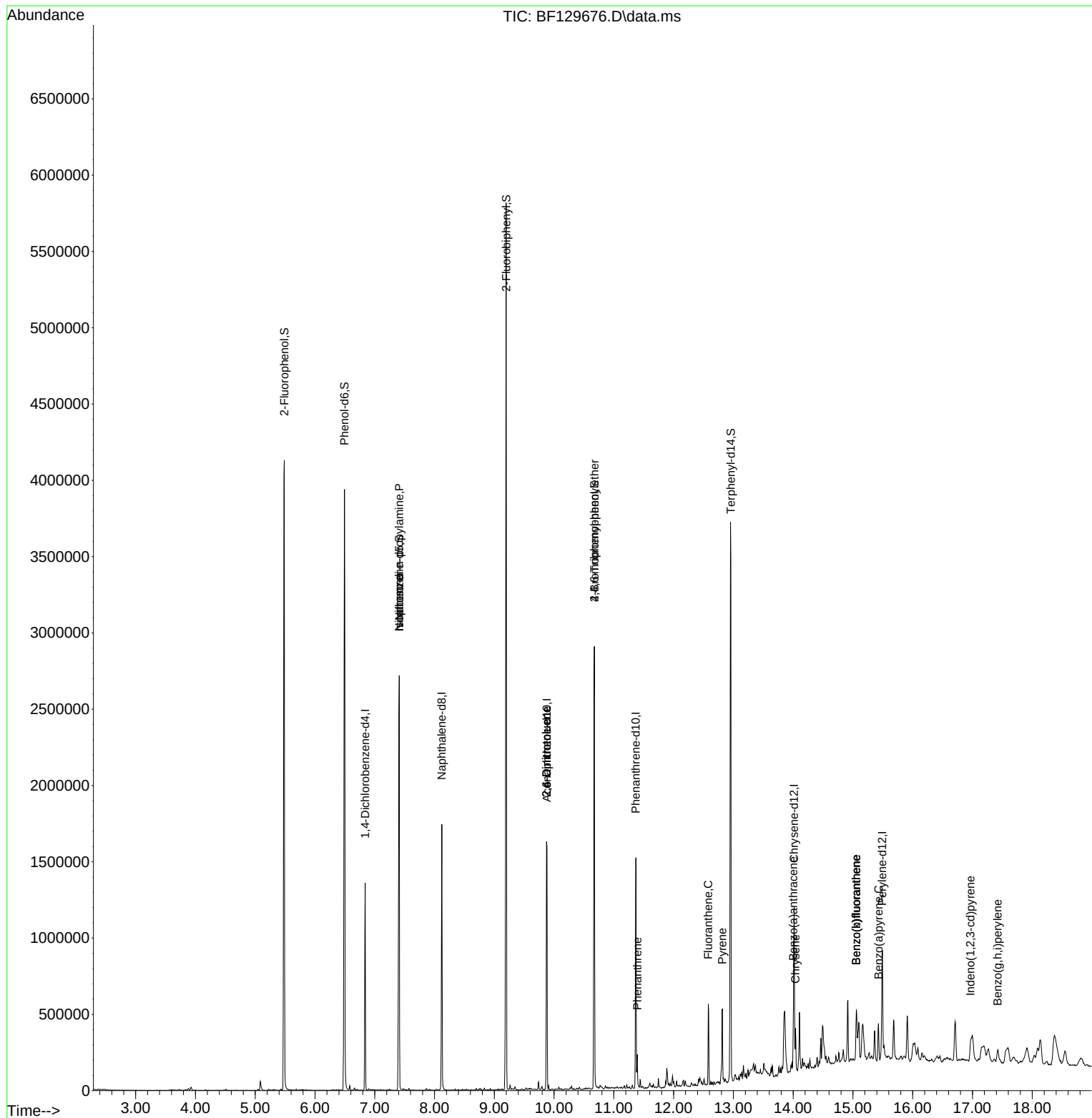
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	186435	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	713557	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	347820	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	488830	20.000	ng	-0.01
76) Chrysene-d12	14.016	240	311405	20.000	ng	-0.01
86) Perylene-d12	15.492	264	309205	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1221775	106.754	ng	0.00
7) Phenol-d6	6.492	99	1521399	105.760	ng	-0.01
23) Nitrobenzene-d5	7.410	82	970472	74.243	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	340309	101.766	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1702625	75.725	ng	-0.01
79) Terphenyl-d14	12.957	244	1293172	78.344	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	129832	14.908	ng	# 73
25) Isophorone	7.410	82	965545	41.208	ng	# 65
51) 2,6-Dinitrotoluene	9.875	165	45731	8.509	ng	# 26
57) 2,4-Dinitrotoluene	9.875	165	45731	6.514	ng	# 21
67) 4-Bromophenyl-phenylether	10.675	248	22014	4.113	ng	# 1
71) Phenanthrene	11.392	178	75456	2.828	ng	97
75) Fluoranthene	12.580	202	204985	7.582	ng	97
78) Pyrene	12.816	202	199225	7.651	ng	96
81) Benzo(a)anthracene	14.004	228	107925	5.074	ng	95
83) Chrysene	14.039	228	103600	5.168	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	71904	3.453	ng	95
88) Benzo(b)fluoranthene	15.057	252	225884	11.013	ng	# 96
89) Benzo(k)fluoranthene	15.057	252	225884	11.238	ng	97
90) Benzo(a)pyrene	15.427	252	103637	6.224	ng	# 96
92) Benzo(g,h,i)perylene	17.421	276	64832	3.744	ng	98

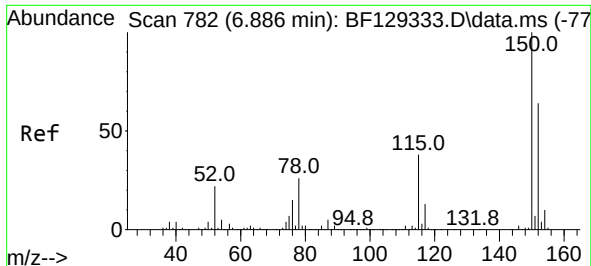
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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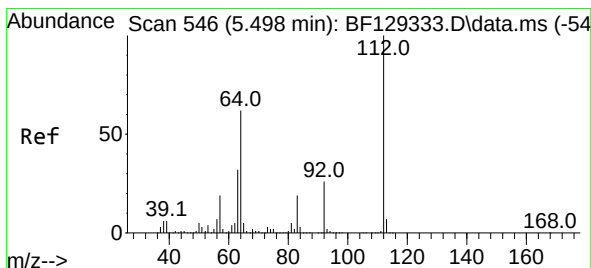
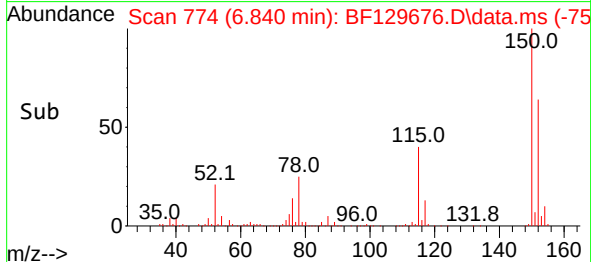
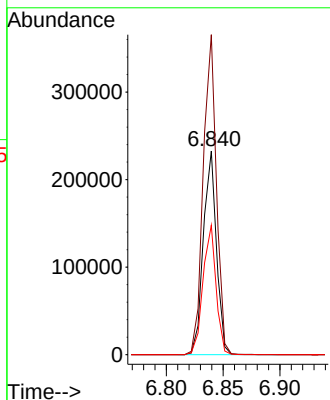
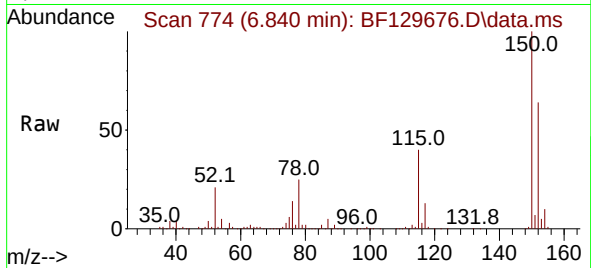




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.840 min Scan# 71
 Delta R.T. -0.011 min
 Lab File: BF129676.D
 Acq: 09 Aug 2022 20:36

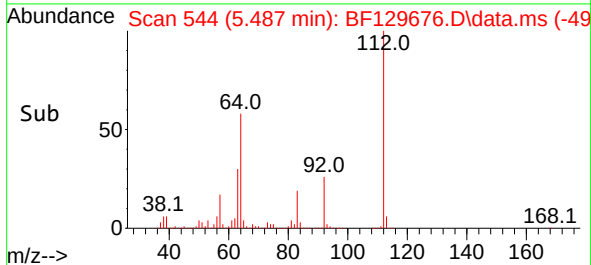
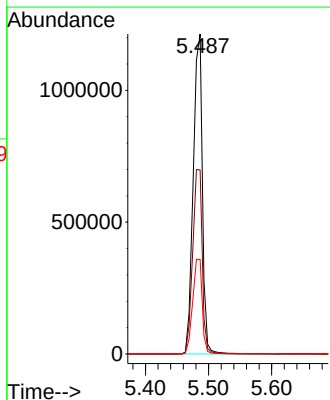
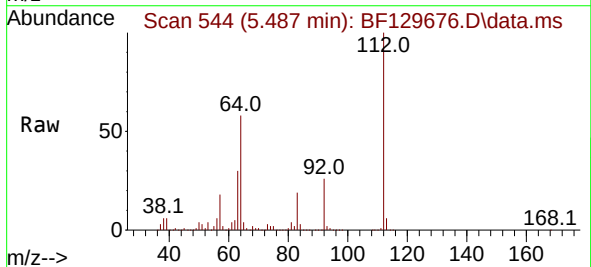
Instrument :
 BNA_F
 ClientSampleId :
 RVE-220

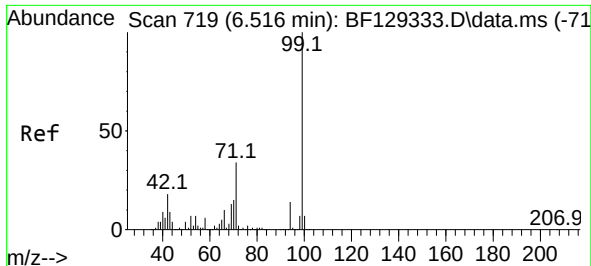
Tgt Ion:152 Resp: 186435
 Ion Ratio Lower Upper
 152 100
 150 157.1 123.7 185.5
 115 63.5 49.9 74.9



#5
 2-Fluorophenol
 Concen: 106.754 ng
 RT: 5.487 min Scan# 544
 Delta R.T. 0.006 min
 Lab File: BF129676.D
 Acq: 09 Aug 2022 20:36

Tgt Ion:112 Resp: 1221775
 Ion Ratio Lower Upper
 112 100
 64 57.5 53.3 79.9
 63 29.6 28.0 42.0

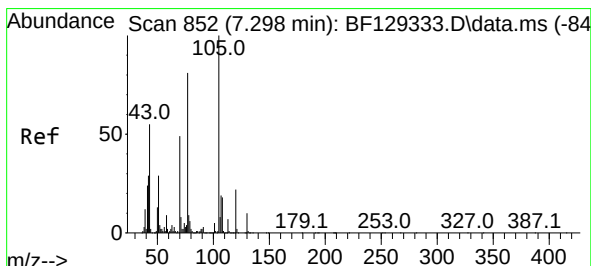
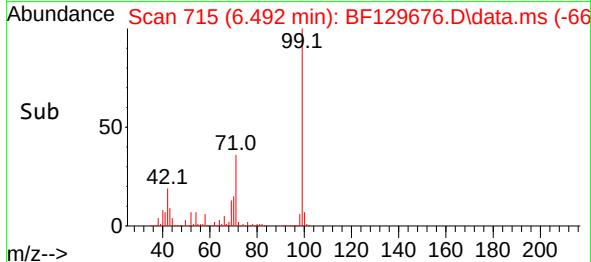
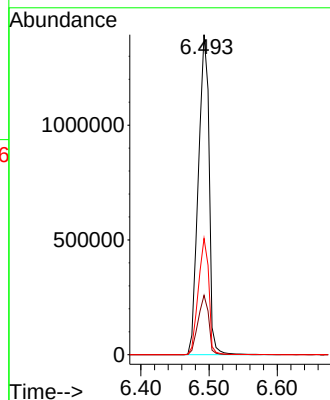
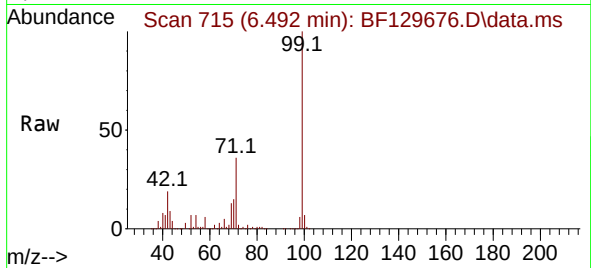




#7
Phenol-d6
Concen: 105.760 ng
RT: 6.492 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

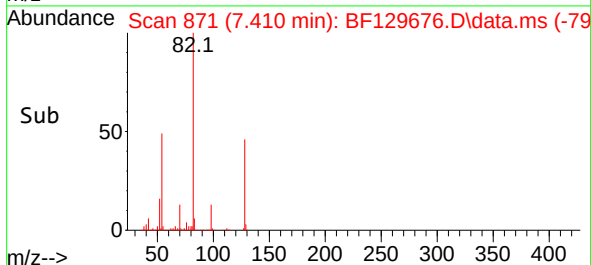
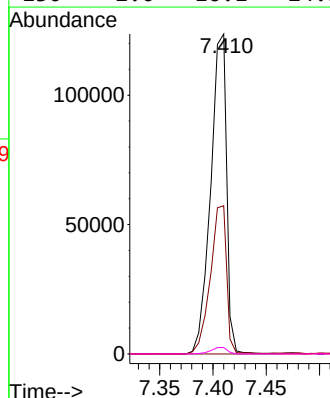
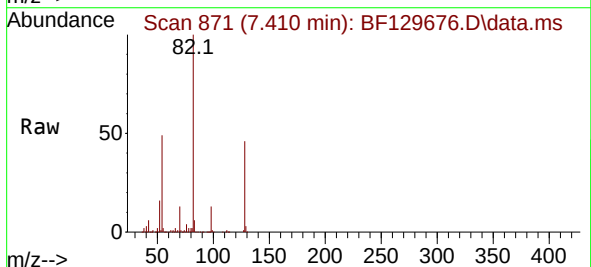
Instrument :
BNA_F
ClientSampleId :
RVE-220

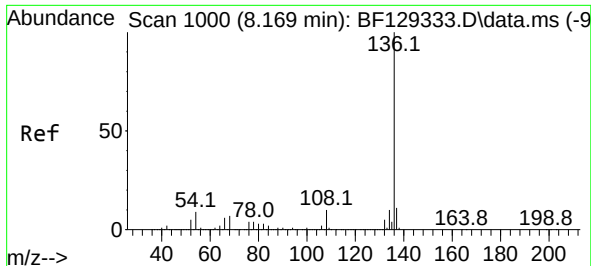
Tgt Ion: 99 Resp: 1521399
Ion Ratio Lower Upper
99 100
42 18.6 17.3 25.9
71 36.4 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 14.908 ng
RT: 7.410 min Scan# 871
Delta R.T. 0.141 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

Tgt Ion: 70 Resp: 129832
Ion Ratio Lower Upper
70 100
42 46.3 52.3 78.5#
101 0.0 7.5 11.3#
130 2.0 16.1 24.1#



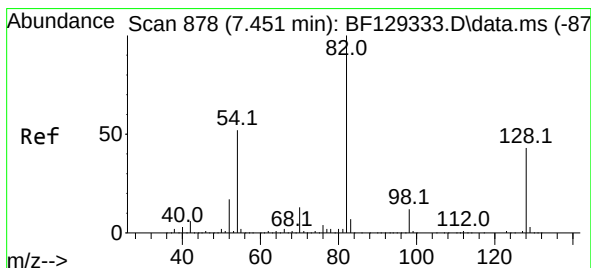
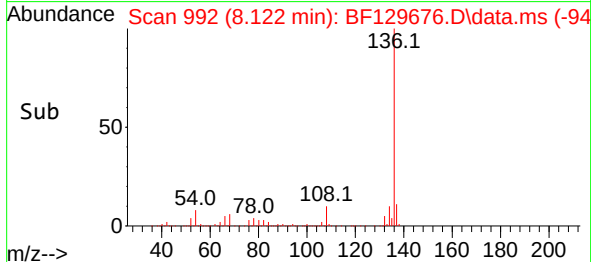
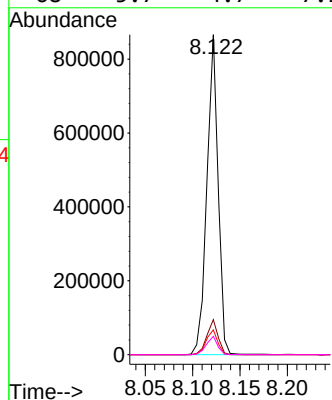
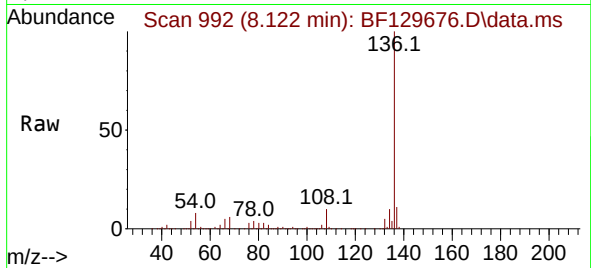


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

Instrument :
BNA_F
ClientSampleId :
RVE-220

Tgt Ion: 136 Resp: 713557

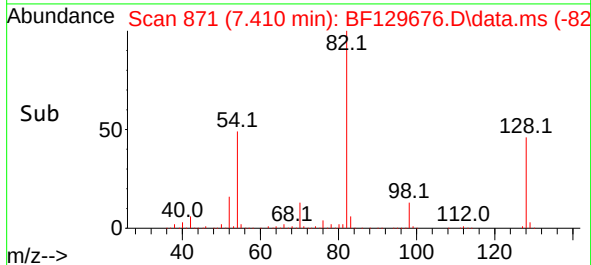
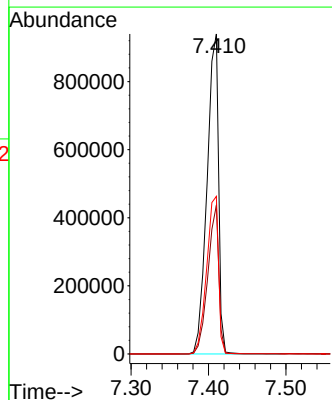
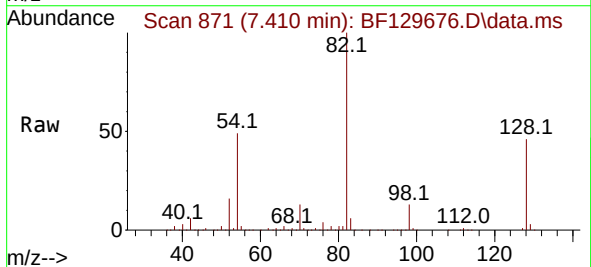
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.8	7.5	11.3
68	5.7	4.7	7.1

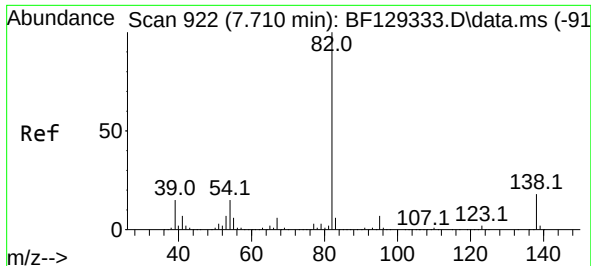


#23
Nitrobenzene-d5
Concen: 74.243 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.012 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

Tgt Ion: 82 Resp: 970472

Ion	Ratio	Lower	Upper
82	100		
128	46.5	34.0	51.0
54	49.3	46.9	70.3

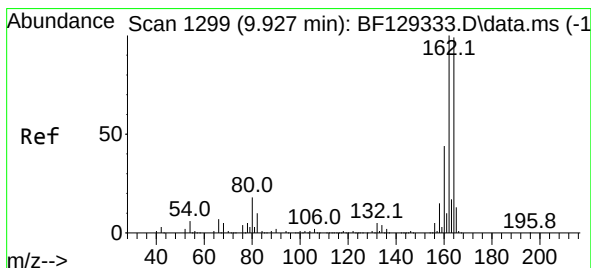
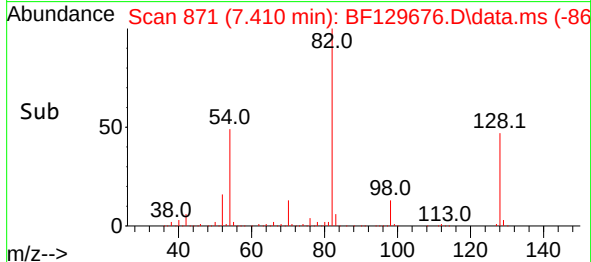
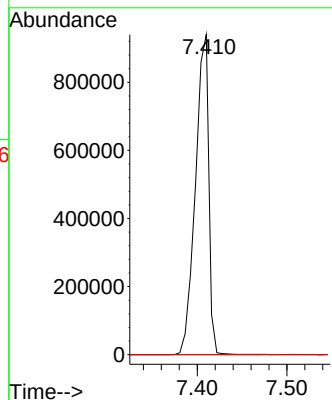
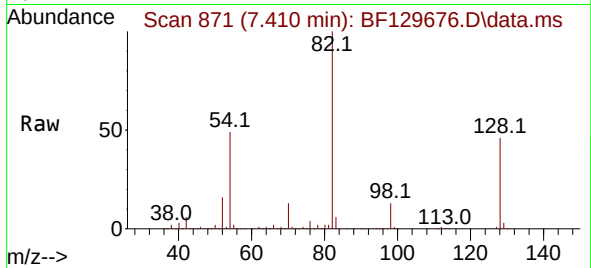




#25
Isophorone
Concen: 41.208 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

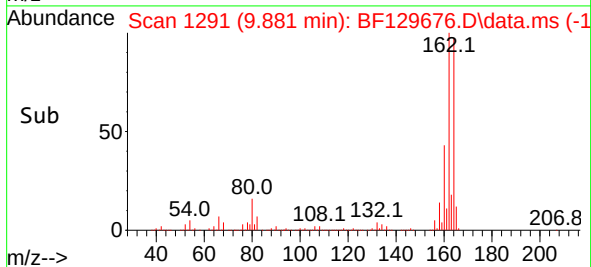
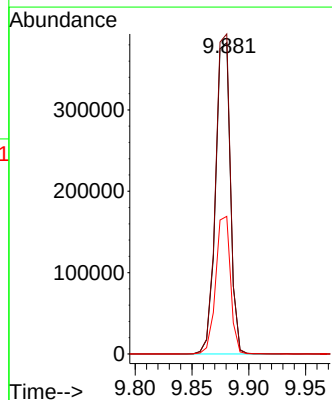
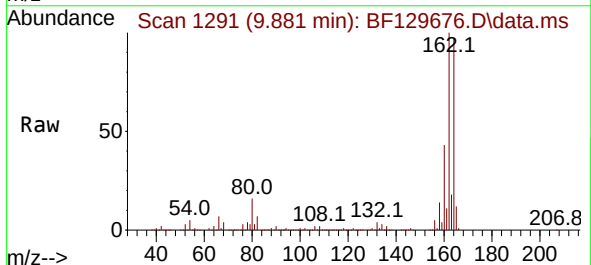
Instrument :
BNA_F
ClientSampleId :
RVE-220

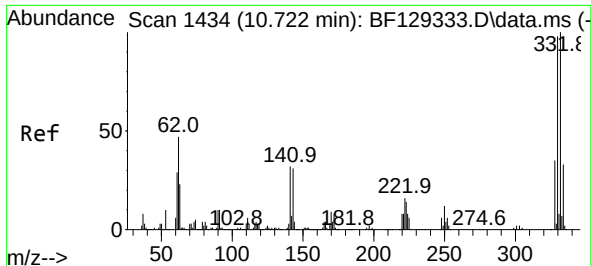
Tgt Ion: 82 Resp: 965545
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

Tgt Ion: 164 Resp: 347820
Ion Ratio Lower Upper
164 100
162 102.8 79.5 119.3
160 44.2 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 101.766 ng

RT: 10.675 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF129676.D

Acq: 09 Aug 2022 20:36

Instrument :

BNA_F

ClientSampleId :

RVE-220

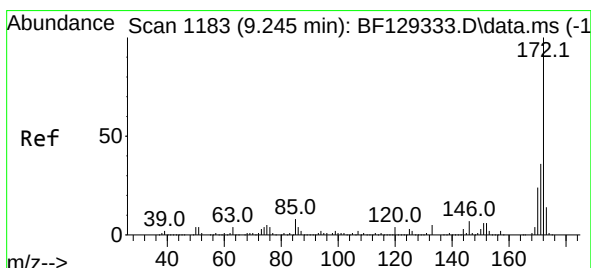
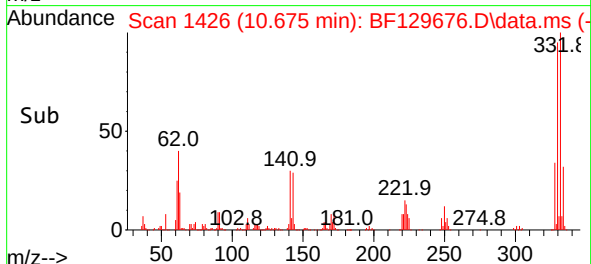
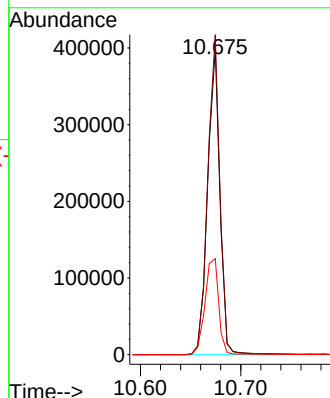
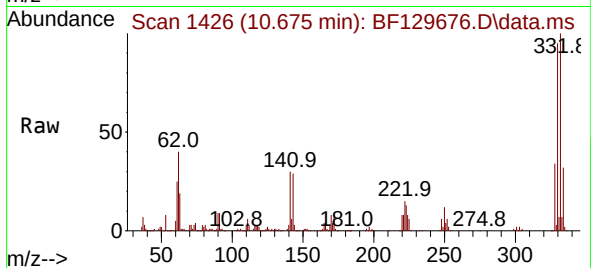
Tgt Ion:330 Resp: 340309

Ion Ratio Lower Upper

330 100

332 104.2 76.8 115.2

141 35.5 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 75.725 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.012 min

Lab File: BF129676.D

Acq: 09 Aug 2022 20:36

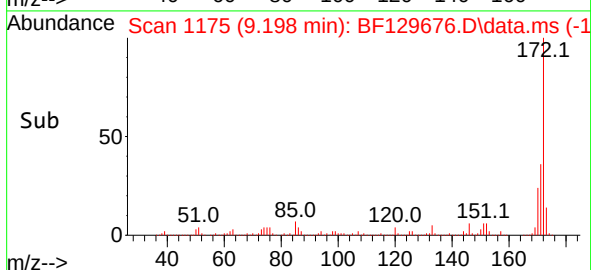
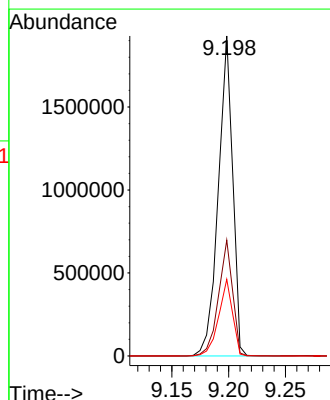
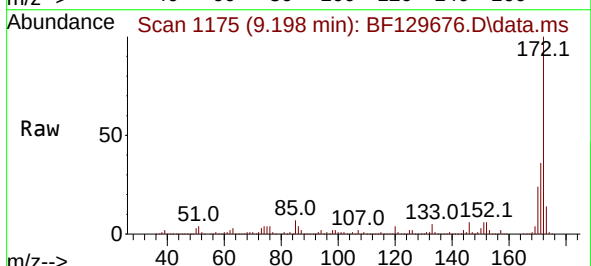
Tgt Ion:172 Resp: 1702625

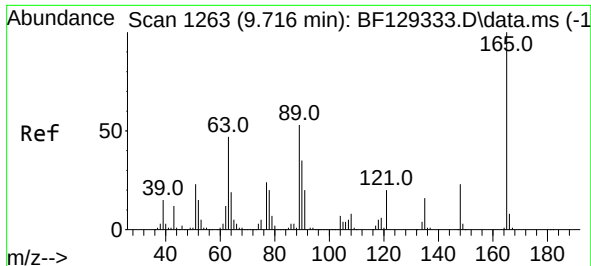
Ion Ratio Lower Upper

172 100

171 36.2 28.8 43.2

170 24.0 19.8 29.8

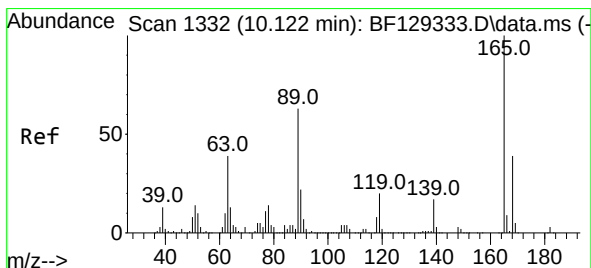
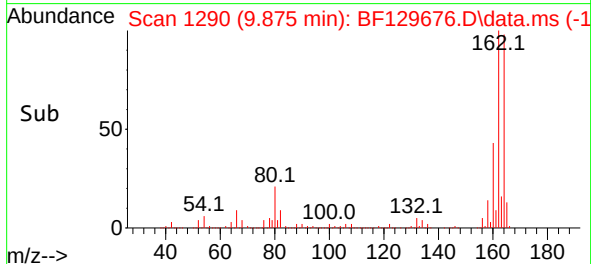
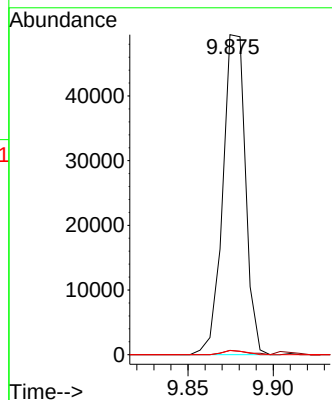
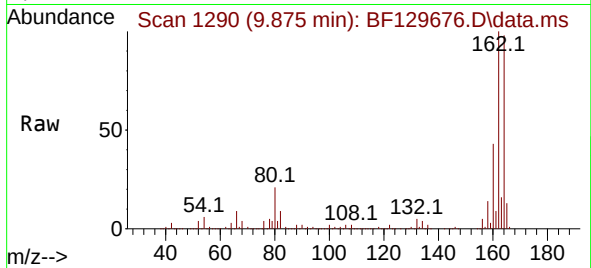




#51
2,6-Dinitrotoluene
Concen: 8.509 ng
RT: 9.875 min Scan# 1290
Delta R.T. 0.194 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

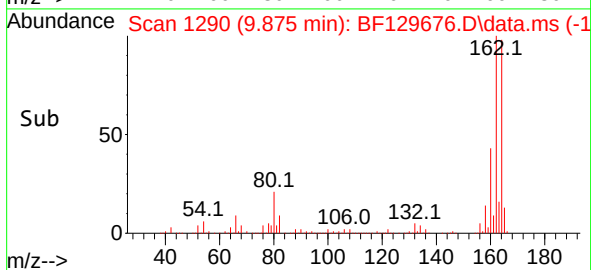
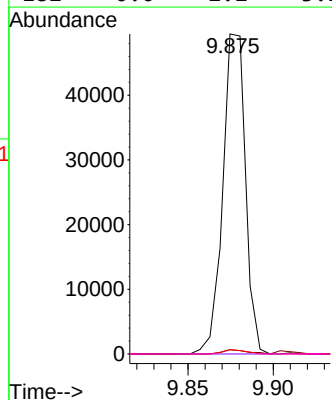
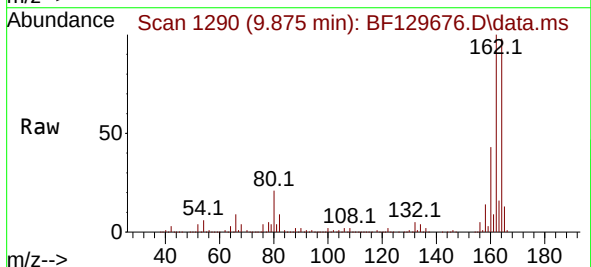
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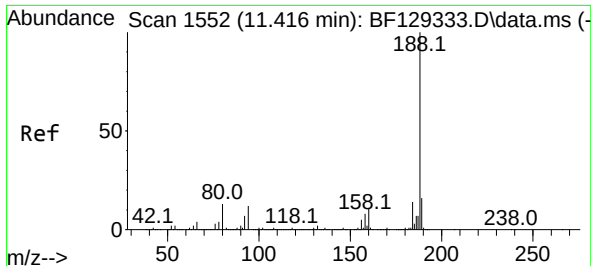
Tgt Ion:165 Resp: 45731
Ion Ratio Lower Upper
165 100
63 1.4 44.9 67.3#
89 1.3 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 6.514 ng
RT: 9.875 min Scan# 1290
Delta R.T. -0.212 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

Tgt Ion:165 Resp: 45731
Ion Ratio Lower Upper
165 100
63 1.4 39.8 59.6#
89 1.3 60.2 90.2#
182 0.0 2.2 3.2#

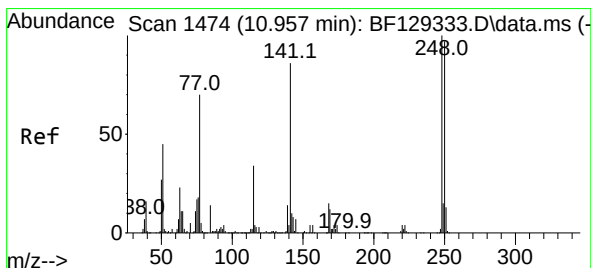
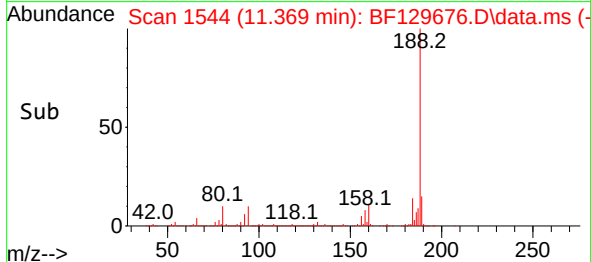
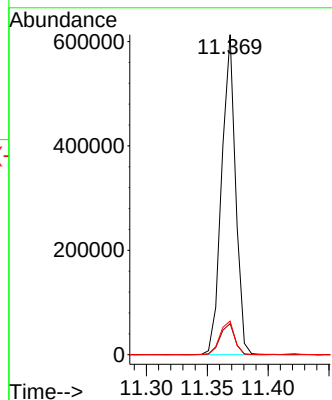
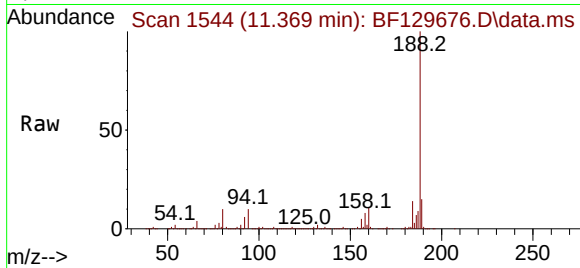




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

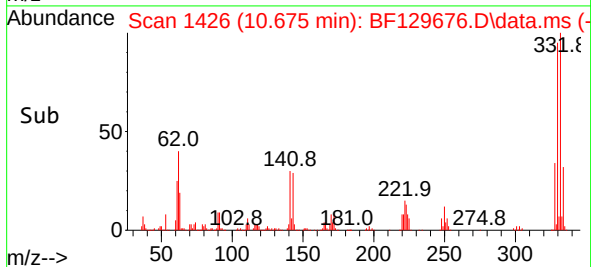
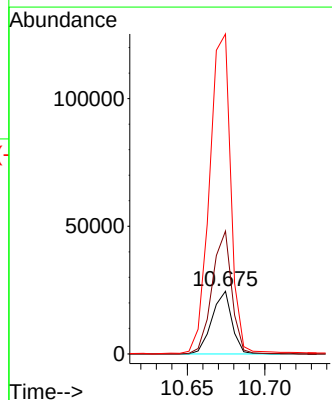
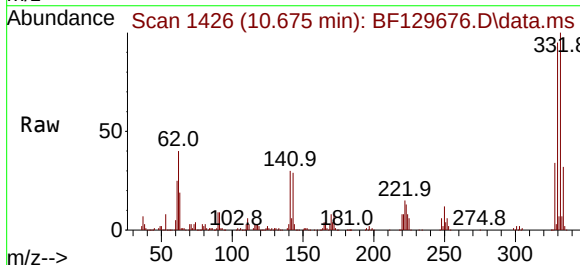
Instrument :
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ClientSampleId :
RVE-220

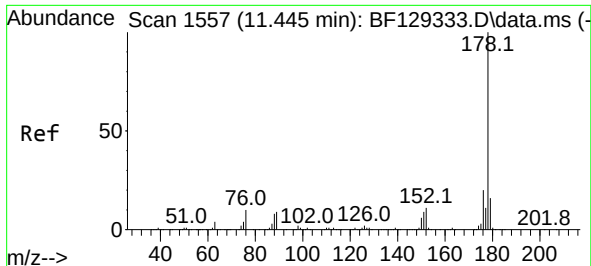
Tgt Ion:188 Resp: 488830
Ion Ratio Lower Upper
188 100
94 9.7 7.0 10.6
80 10.5 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 4.113 ng
RT: 10.675 min Scan# 1426
Delta R.T. -0.247 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

Tgt Ion:248 Resp: 22014
Ion Ratio Lower Upper
248 100
250 195.9 80.6 120.8#
141 510.1 58.9 88.3#

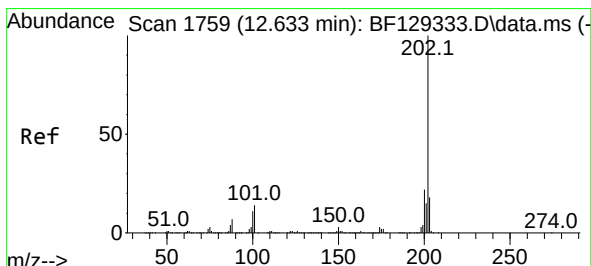
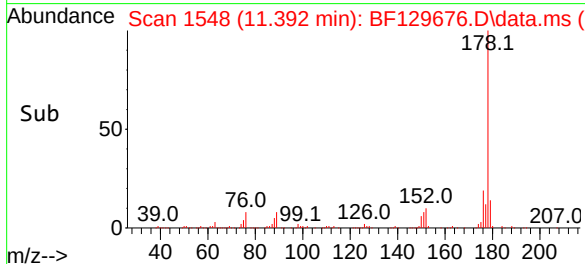
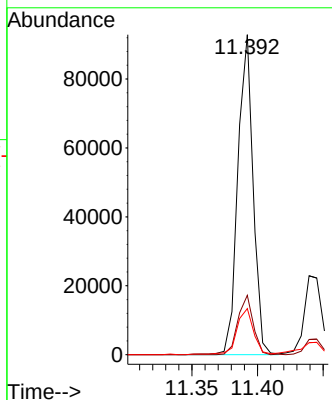
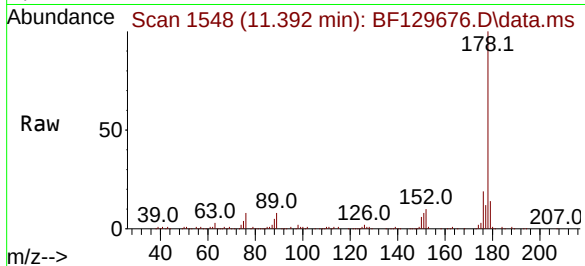




#71
Phenanthrene
Concen: 2.828 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

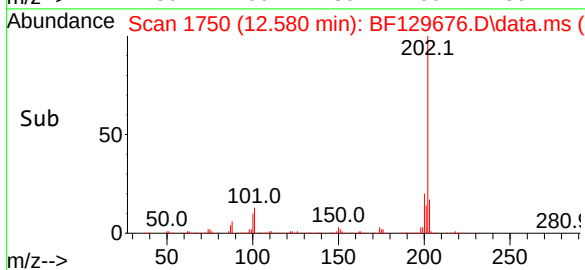
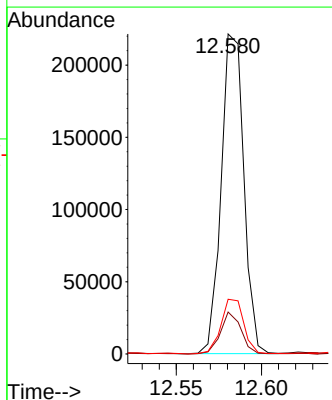
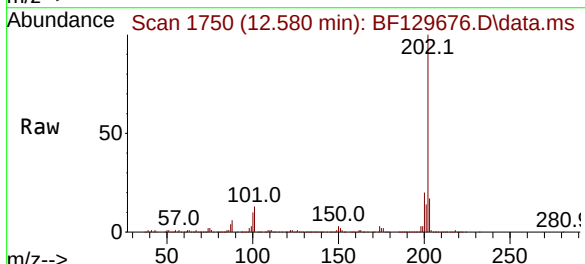
Instrument :
BNA_F
ClientSampleId :
RVE-220

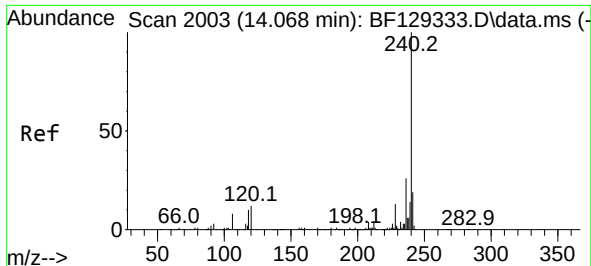
Tgt Ion:178 Resp: 75456
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 14.4 12.6 19.0



#75
Fluoranthene
Concen: 7.582 ng
RT: 12.580 min Scan# 1750
Delta R.T. -0.018 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

Tgt Ion:202 Resp: 204985
Ion Ratio Lower Upper
202 100
101 13.1 0.0 31.4
203 17.1 0.0 38.0

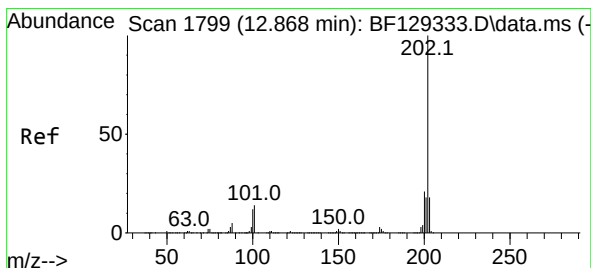
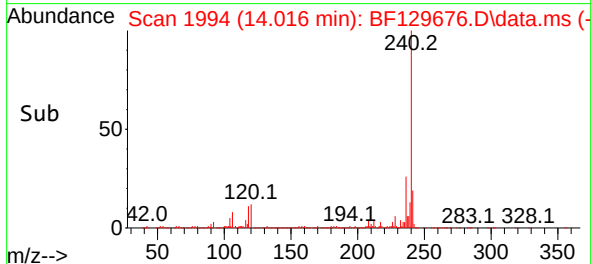
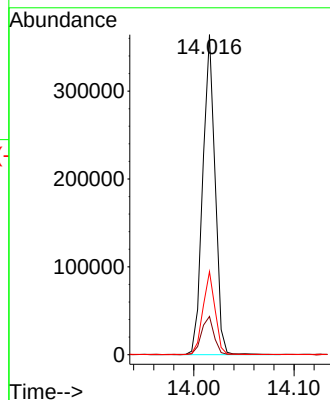
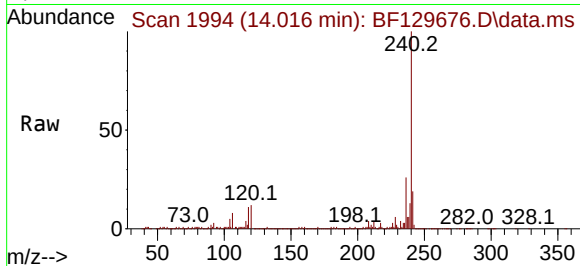




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

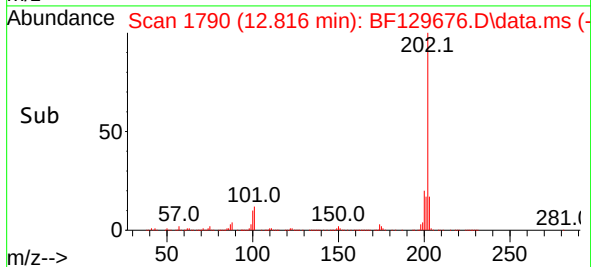
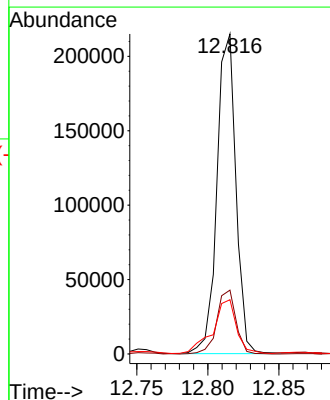
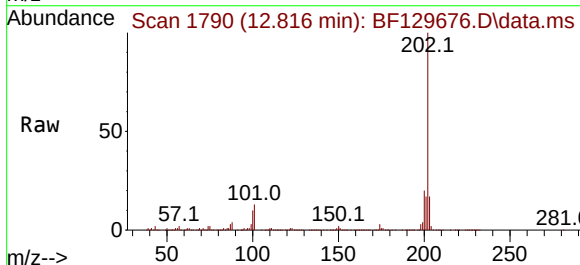
Instrument :
BNA_F
ClientSampleId :
RVE-220

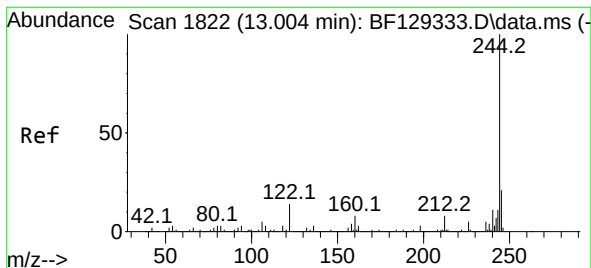
Tgt Ion:240 Resp: 311405
Ion Ratio Lower Upper
240 100
120 11.9 8.9 13.3
236 25.9 20.8 31.2



#78
Pyrene
Concen: 7.651 ng
RT: 12.816 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

Tgt Ion:202 Resp: 199225
Ion Ratio Lower Upper
202 100
200 19.9 17.7 26.5
203 17.0 14.6 21.8





#79

Terphenyl-d14

Concen: 78.344 ng

RT: 12.957 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF129676.D

Acq: 09 Aug 2022 20:36

Instrument :

BNA_F

ClientSampleId :

RVE-220

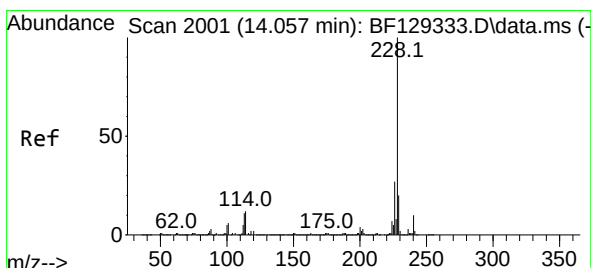
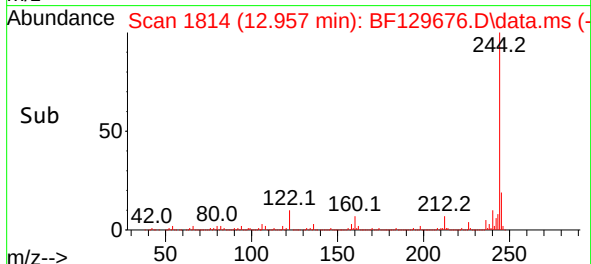
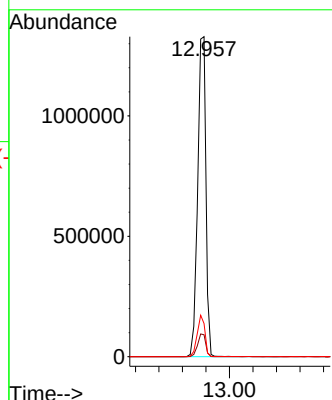
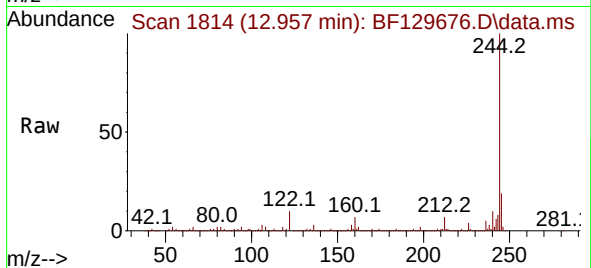
Tgt Ion:244 Resp: 1293172

Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

122 10.4 8.8 13.2



#81

Benzo(a)anthracene

Concen: 5.074 ng

RT: 14.004 min Scan# 1992

Delta R.T. -0.012 min

Lab File: BF129676.D

Acq: 09 Aug 2022 20:36

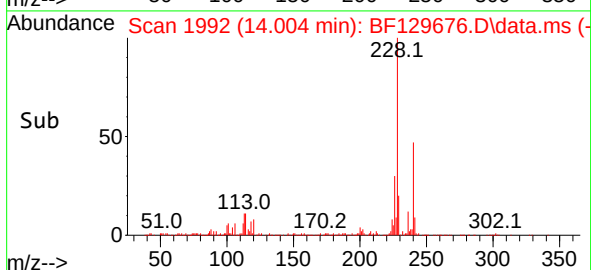
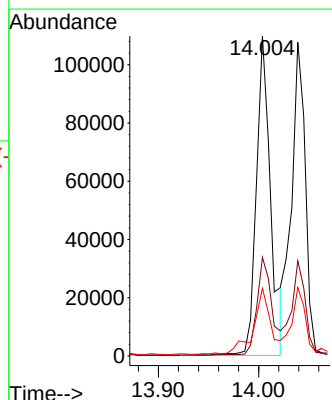
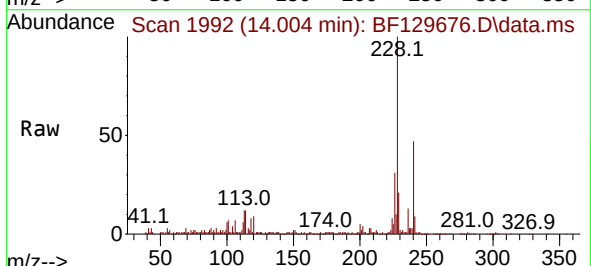
Tgt Ion:228 Resp: 107925

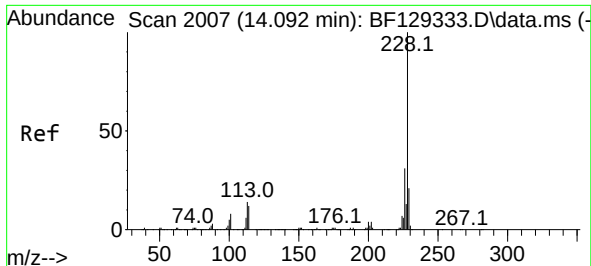
Ion Ratio Lower Upper

228 100

226 30.8 22.1 33.1

229 21.1 15.8 23.8

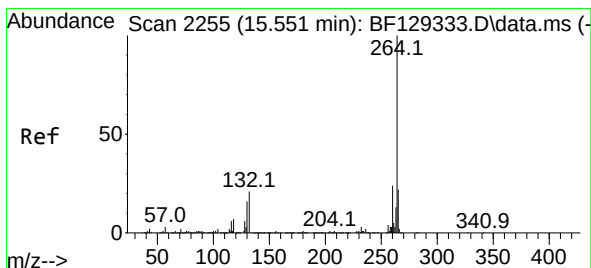
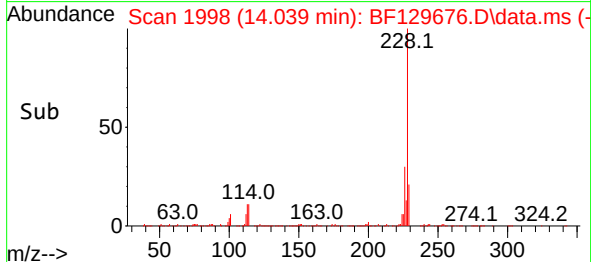
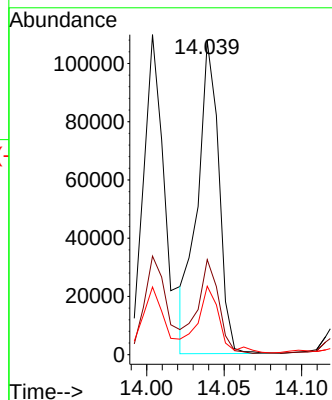
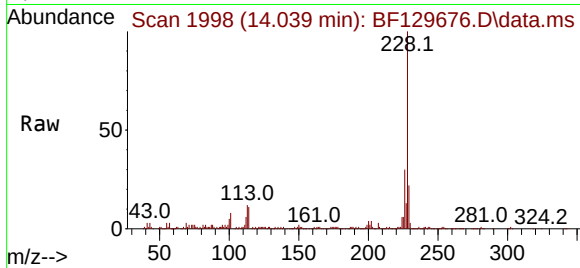




#83
Chrysene
Concen: 5.168 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

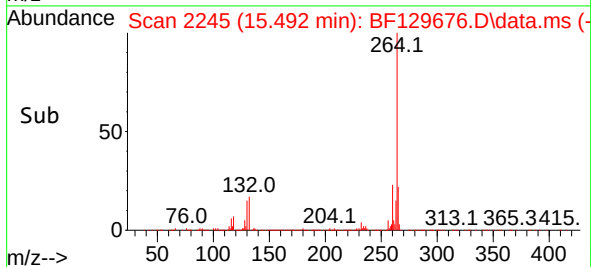
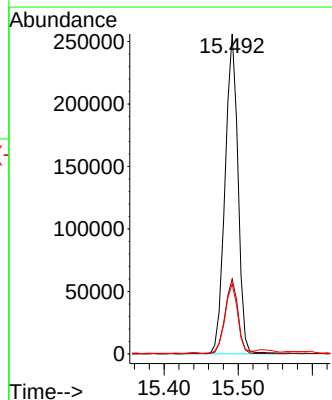
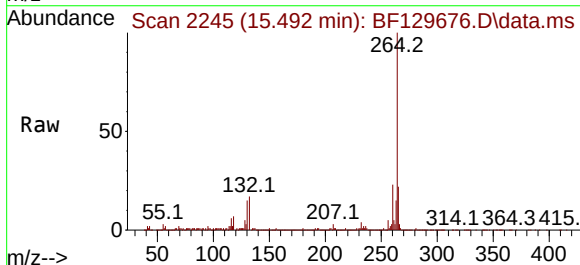
Instrument :
BNA_F
ClientSampleId :
RVE-220

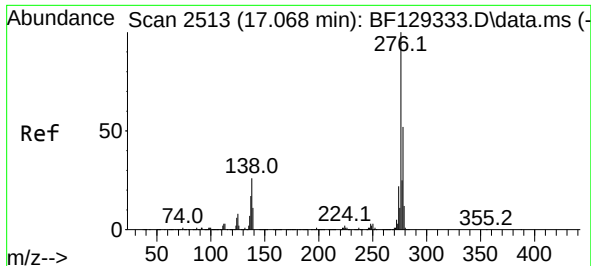
Tgt Ion:228 Resp: 103600
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 21.8 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2245
Delta R.T. -0.012 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

Tgt Ion:264 Resp: 309205
Ion Ratio Lower Upper
264 100
260 23.5 18.4 27.6
265 21.9 17.2 25.8

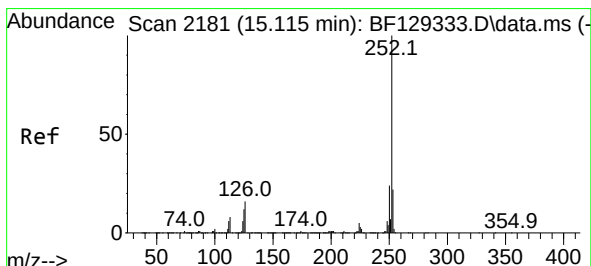
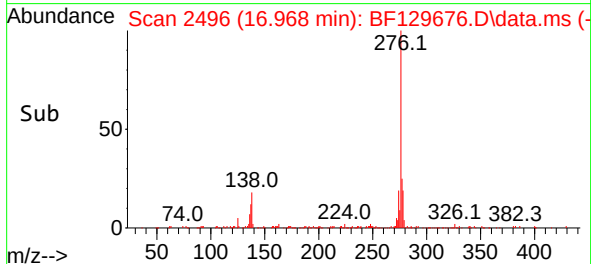
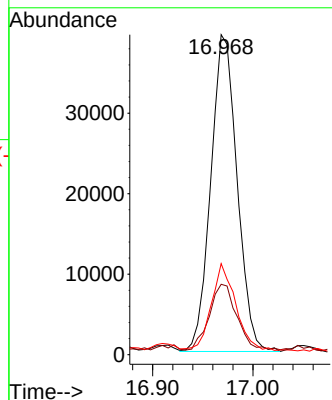
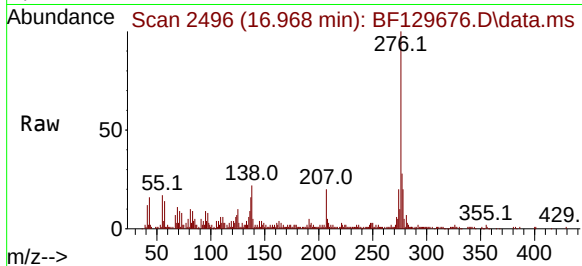




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.453 ng
RT: 16.968 min Scan# 2496
Delta R.T. -0.029 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

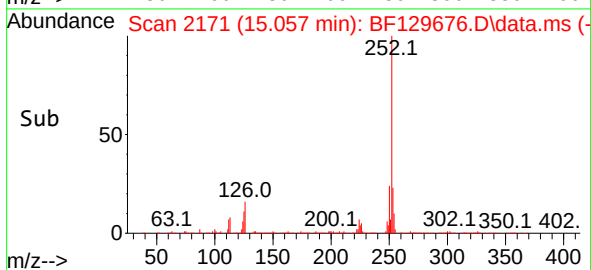
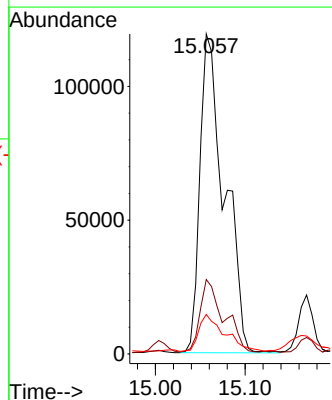
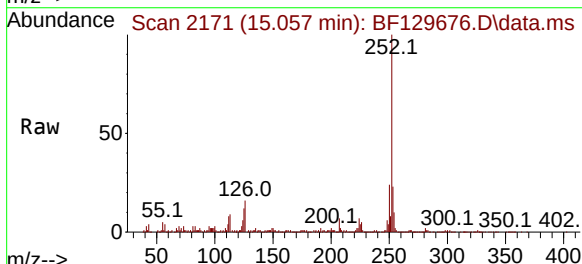
Instrument :
BNA_F
ClientSampleId :
RVE-220

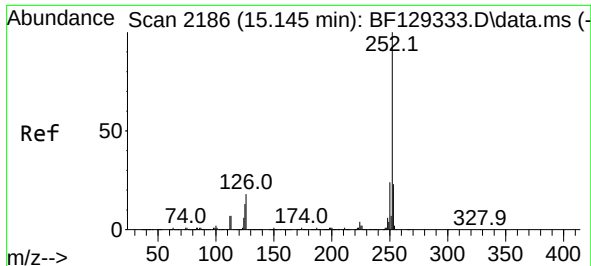
Tgt Ion:276 Resp: 71904
Ion Ratio Lower Upper
276 100
138 22.3 21.1 31.7
277 25.9 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 11.013 ng
RT: 15.057 min Scan# 2171
Delta R.T. -0.012 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

Tgt Ion:252 Resp: 225884
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 12.3 8.0 12.0#

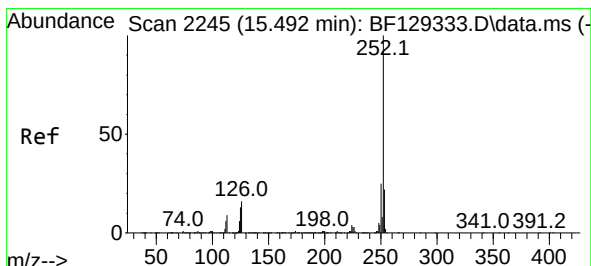
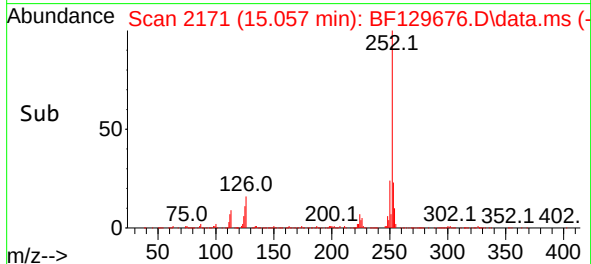
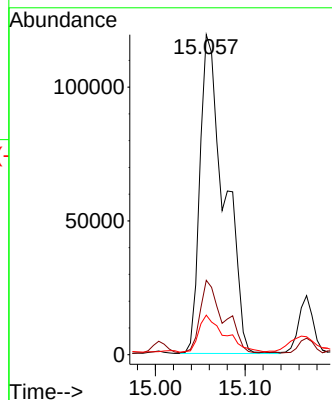
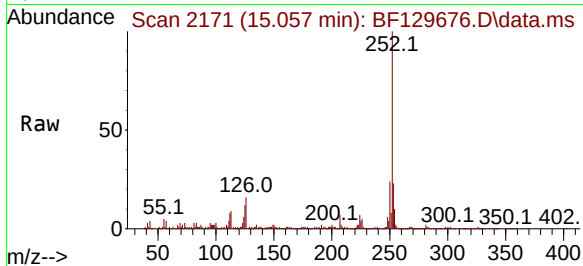




#89
Benzo(k)fluoranthene
Concen: 11.238 ng
RT: 15.057 min Scan# 2186
Delta R.T. -0.047 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

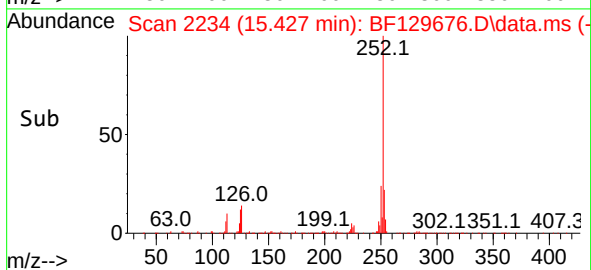
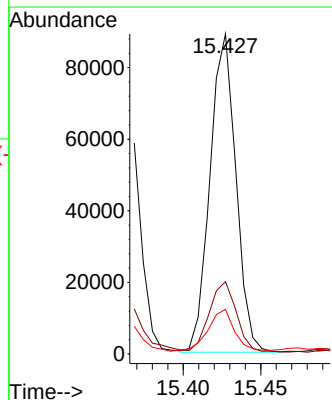
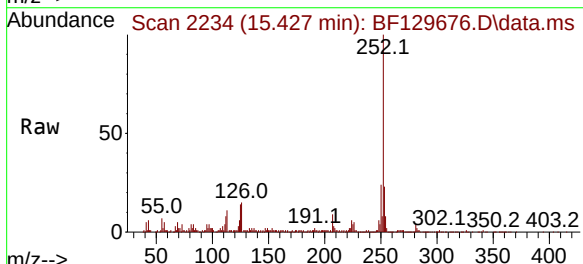
Instrument :
BNA_F
ClientSampleId :
RVE-220

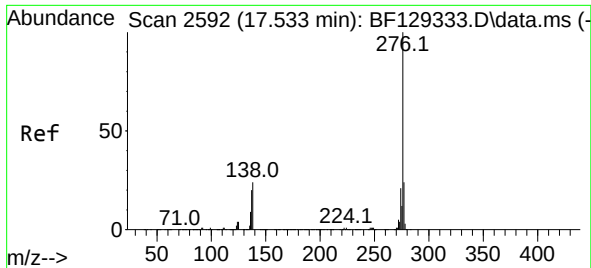
Tgt Ion:252 Resp: 225884
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 12.3 8.3 12.5



#90
Benzo(a)pyrene
Concen: 6.224 ng
RT: 15.427 min Scan# 2234
Delta R.T. -0.012 min
Lab File: BF129676.D
Acq: 09 Aug 2022 20:36

Tgt Ion:252 Resp: 103637
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 13.9 8.8 13.2#





#92
 Benzo(g,h,i)perylene
 Concen: 3.744 ng
 RT: 17.421 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BF129676.D
 Acq: 09 Aug 2022 20:36

Instrument :
 BNA_F
 ClientSampleId :
 RVE-220

Tgt Ion:	276	Resp:	64832
Ion Ratio	Lower	Upper	
276	100		
277	23.2	19.1	28.7
138	21.2	18.0	27.0

