

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
 Data File : BF129652.D
 Acq On : 09 Aug 2022 02:44
 Operator : CG\JU
 Sample : N3963-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-222

Quant Time: Aug 09 04:09:09 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)

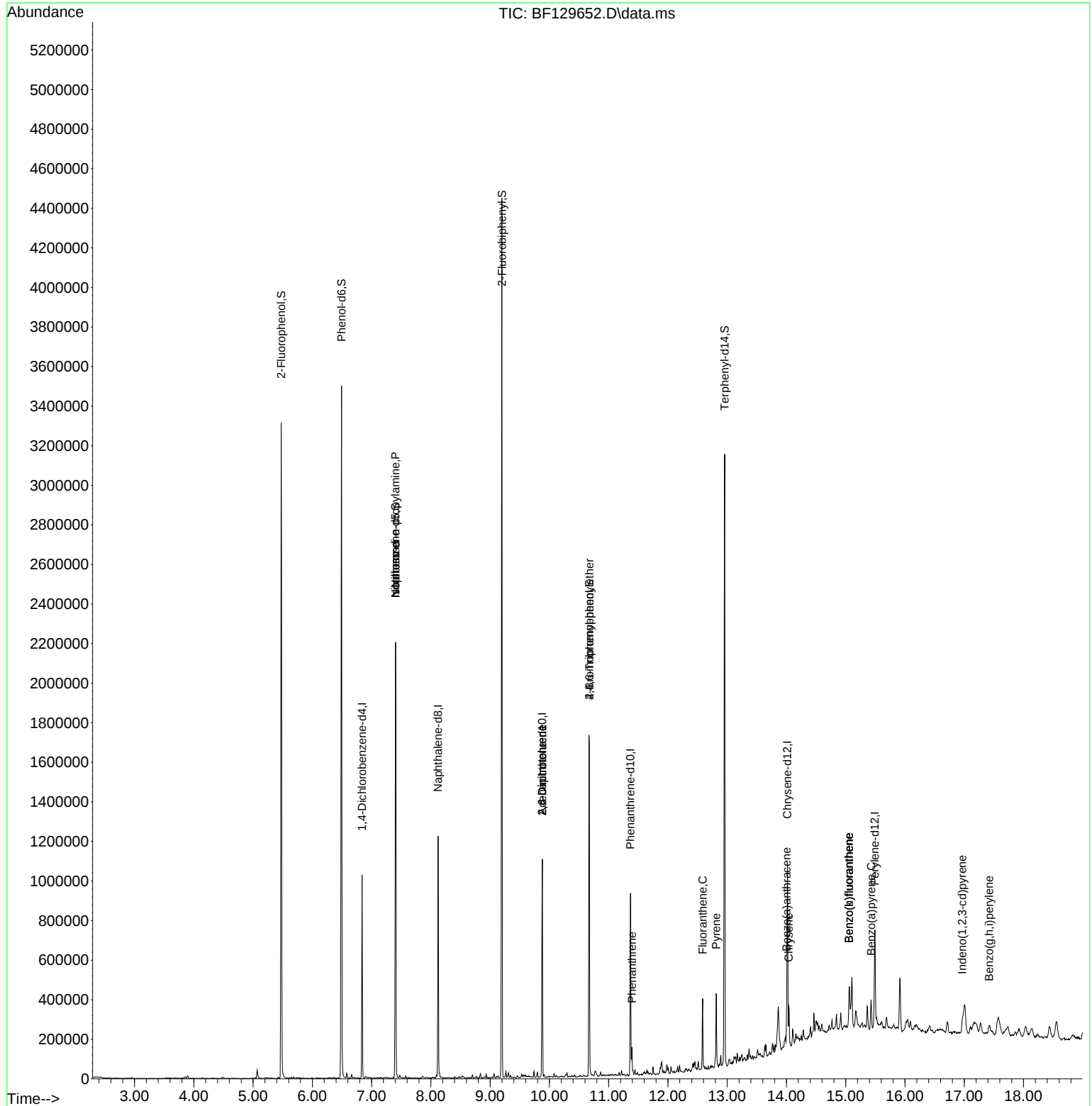
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	127539	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	479383	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	206405	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	293617	20.000	ng	-0.01
76) Chrysene-d12	14.015	240	273327	20.000	ng	-0.01
86) Perylene-d12	15.492	264	199556	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	895518	114.381	ng	0.00
7) Phenol-d6	6.492	99	1096308	111.403	ng	-0.01
23) Nitrobenzene-d5	7.404	82	693800	79.005	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	201751	101.667	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1177683	88.264	ng	-0.01
79) Terphenyl-d14	12.957	244	1018457	70.297	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	93756	15.737	ng	# 74
25) Isophorone	7.404	82	691139	43.906	ng	# 65
51) 2,6-Dinitrotoluene	9.880	165	27590	8.651	ng	# 25
57) 2,4-Dinitrotoluene	9.880	165	27590	6.622	ng	# 21
67) 4-Bromophenyl-phenylether	10.674	248	12854	3.998	ng	# 1
71) Phenanthrene	11.392	178	43014	2.684	ng	97
75) Fluoranthene	12.586	202	128993	7.943	ng	98
78) Pyrene	12.816	202	128271	5.612	ng	98
81) Benzo(a)anthracene	14.004	228	74170	3.972	ng	98
83) Chrysene	14.039	228	85041	4.833	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	39203	2.917	ng	97
88) Benzo(b)fluoranthene	15.057	252	140895	10.644	ng	# 95
89) Benzo(k)fluoranthene	15.057	252	140895	10.861	ng	# 95
90) Benzo(a)pyrene	15.427	252	60695	5.648	ng	# 94
92) Benzo(g,h,i)perylene	17.421	276	39840	3.565	ng	97

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

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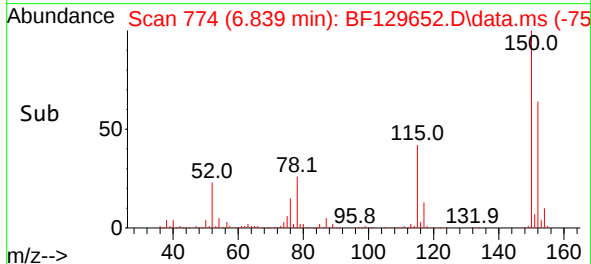
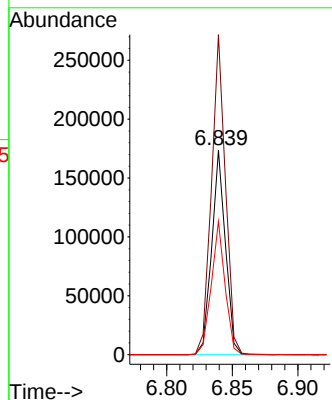
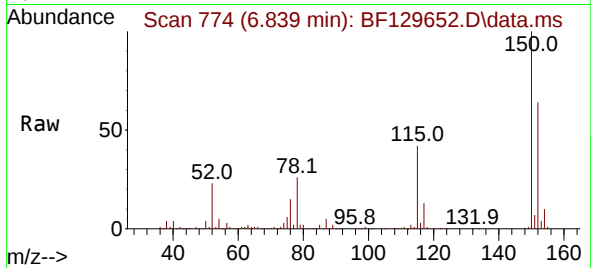




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.839 min Scan# 71
 Delta R.T. -0.012 min
 Lab File: BF129652.D
 Acq: 09 Aug 2022 02:44

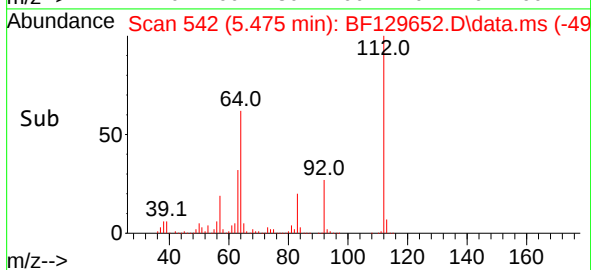
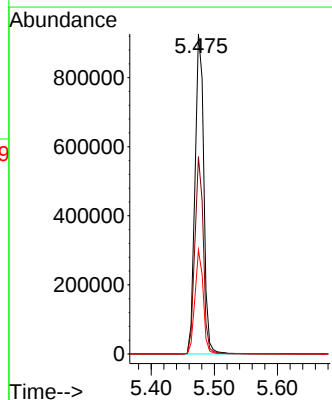
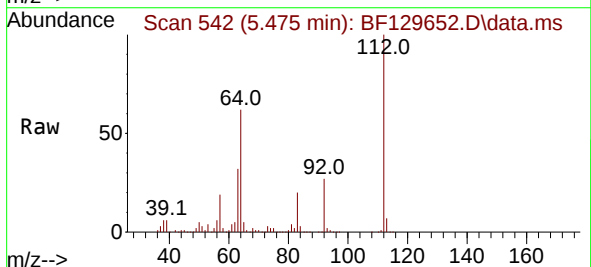
Instrument :
 BNA_F
 ClientSampleId :
 RVE-222

Tgt Ion:152 Resp: 127539
 Ion Ratio Lower Upper
 152 100
 150 156.4 123.7 185.5
 115 65.2 49.9 74.9



#5
 2-Fluorophenol
 Concen: 114.381 ng
 RT: 5.475 min Scan# 542
 Delta R.T. -0.006 min
 Lab File: BF129652.D
 Acq: 09 Aug 2022 02:44

Tgt Ion:112 Resp: 895518
 Ion Ratio Lower Upper
 112 100
 64 61.7 53.3 79.9
 63 32.4 28.0 42.0





#7
Phenol-d6
Concen: 111.403 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129652.D
Acq: 09 Aug 2022 02:44

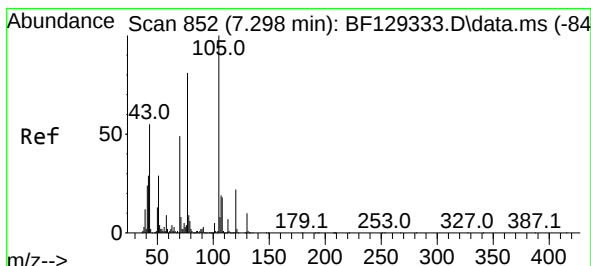
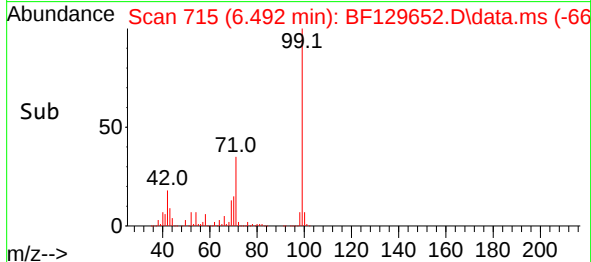
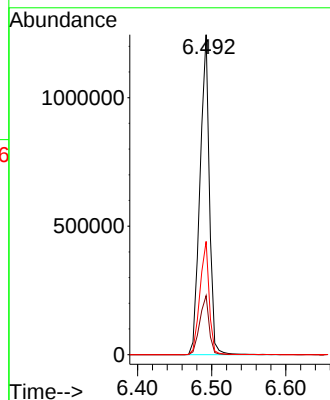
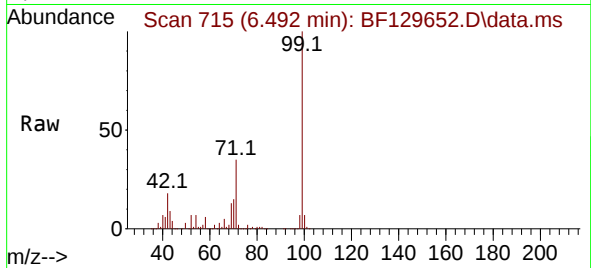
Instrument :

BNA_F

ClientSampleId :

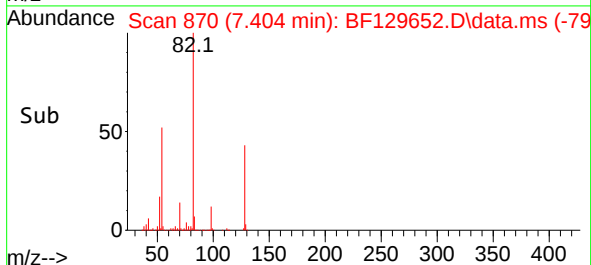
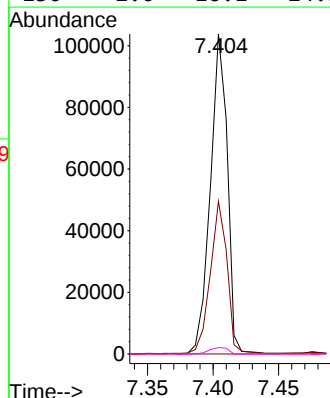
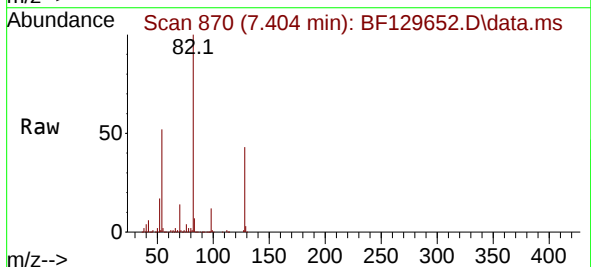
RVE-222

Tgt Ion: 99 Resp: 1096308
Ion Ratio Lower Upper
99 100
42 18.4 17.3 25.9
71 35.4 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 15.737 ng
RT: 7.404 min Scan# 870
Delta R.T. 0.135 min
Lab File: BF129652.D
Acq: 09 Aug 2022 02:44

Tgt Ion: 70 Resp: 93756
Ion Ratio Lower Upper
70 100
42 47.7 52.3 78.5#
101 0.0 7.5 11.3#
130 2.0 16.1 24.1#

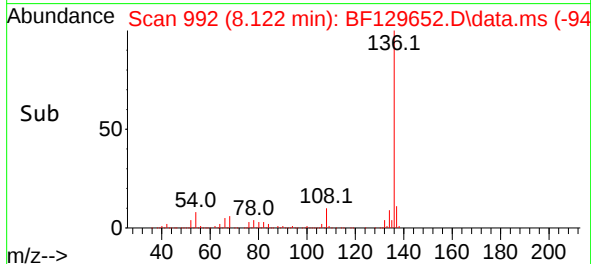
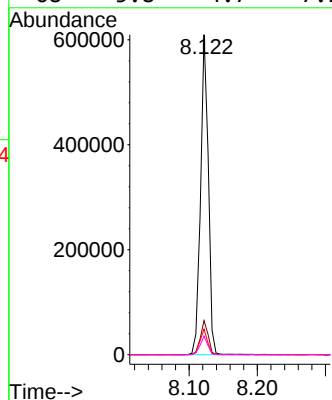
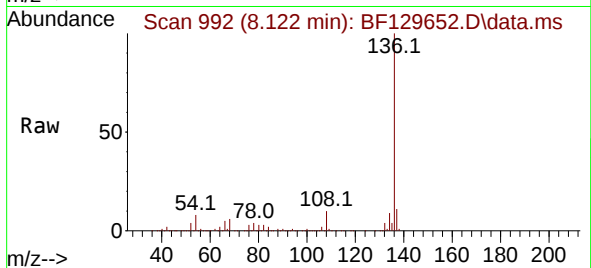




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129652.D
Acq: 09 Aug 2022 02:44

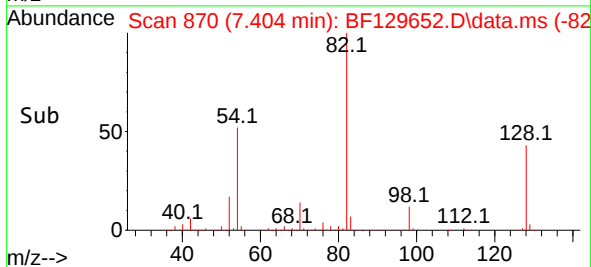
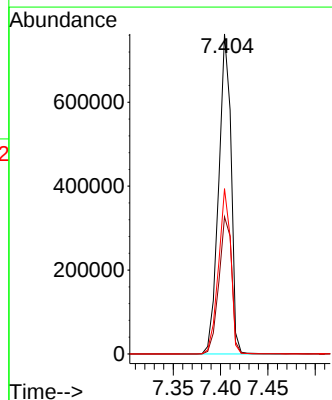
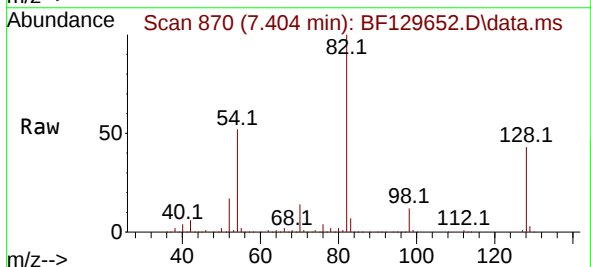
Instrument :
BNA_F
ClientSampleId :
RVE-222

Tgt Ion:136 Resp: 479383
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.0 7.5 11.3
68 5.8 4.7 7.1



#23
Nitrobenzene-d5
Concen: 79.005 ng
RT: 7.404 min Scan# 870
Delta R.T. -0.018 min
Lab File: BF129652.D
Acq: 09 Aug 2022 02:44

Tgt Ion: 82 Resp: 693800
Ion Ratio Lower Upper
82 100
128 42.9 34.0 51.0
54 51.7 46.9 70.3

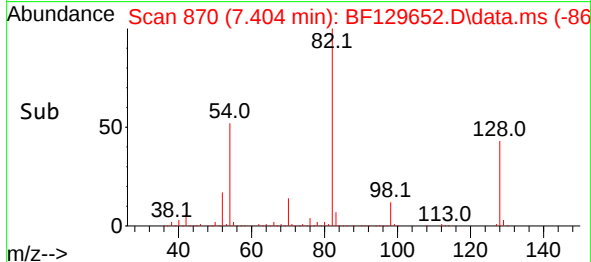
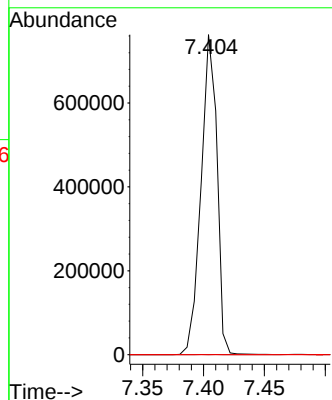
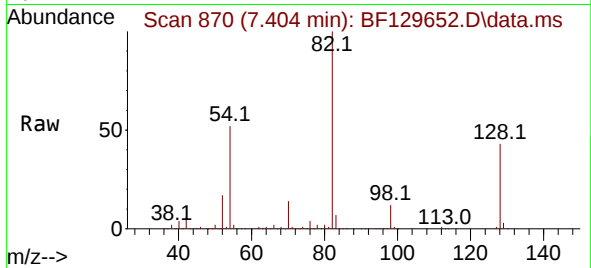




#25
Isophorone
Concen: 43.906 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.277 min
Lab File: BF129652.D
Acq: 09 Aug 2022 02:44

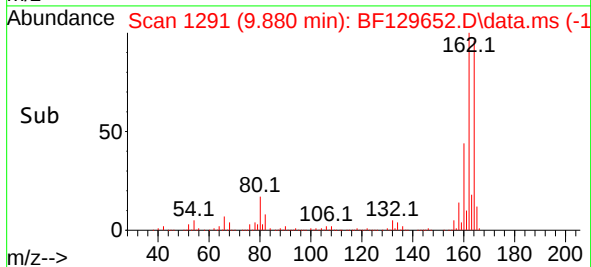
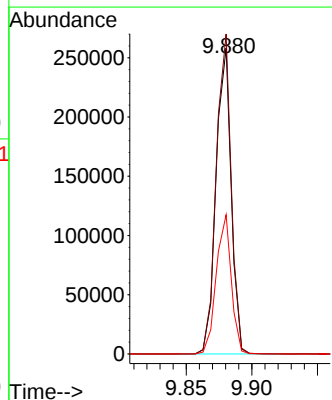
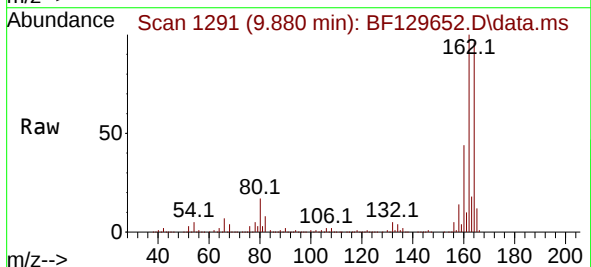
Instrument :
BNA_F
ClientSampleId :
RVE-222

Tgt Ion: 82 Resp: 691139
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: 9.880 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129652.D
Acq: 09 Aug 2022 02:44

Tgt Ion:164 Resp: 206405
Ion Ratio Lower Upper
164 100
162 104.6 79.5 119.3
160 45.5 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 101.667 ng

RT: 10.674 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF129652.D

Acq: 09 Aug 2022 02:44

Instrument :

BNA_F

ClientSampleId :

RVE-222

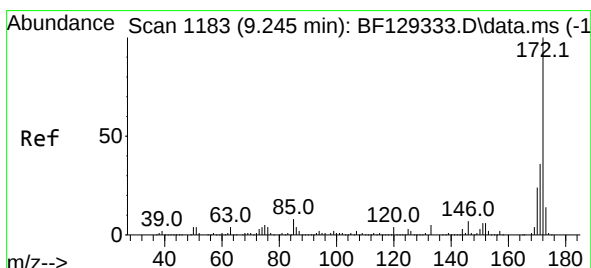
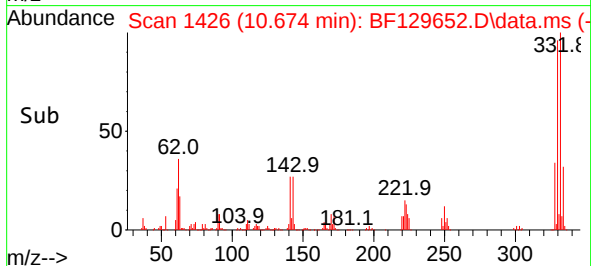
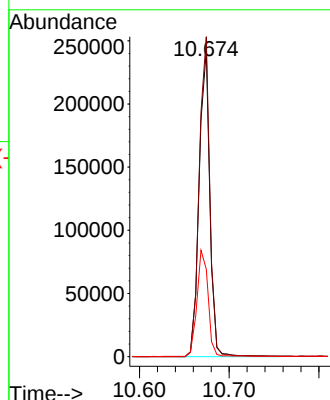
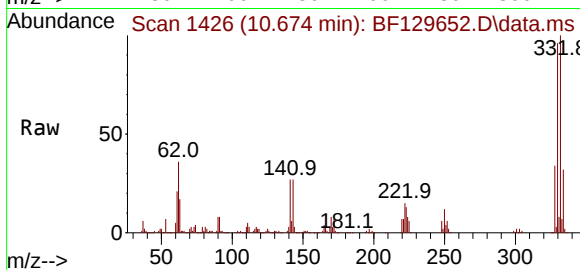
Tgt Ion:330 Resp: 201751

Ion Ratio Lower Upper

330 100

332 103.9 76.8 115.2

141 35.7 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 88.264 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.012 min

Lab File: BF129652.D

Acq: 09 Aug 2022 02:44

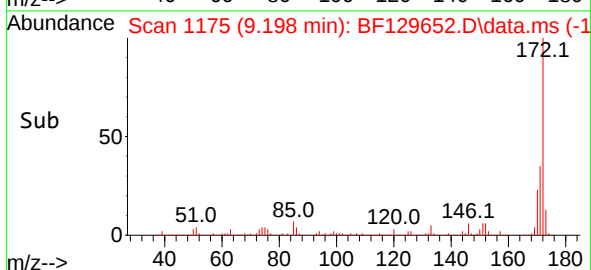
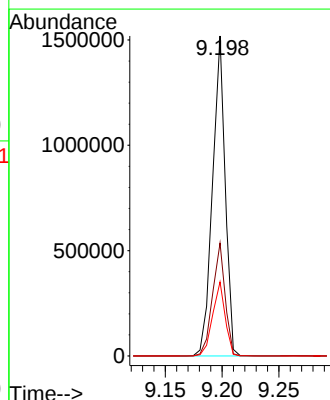
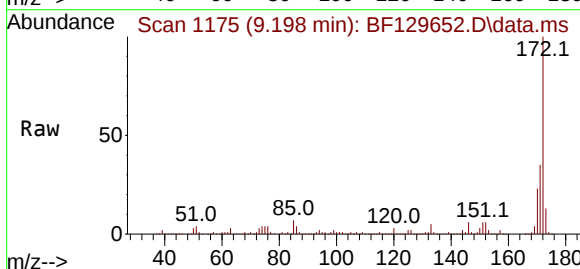
Tgt Ion:172 Resp: 1177683

Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 23.1 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.651 ng

RT: 9.880 min Scan# 1291

Delta R.T. 0.200 min

Lab File: BF129652.D

Acq: 09 Aug 2022 02:44

Instrument :

BNA_F

ClientSampleId :

RVE-222

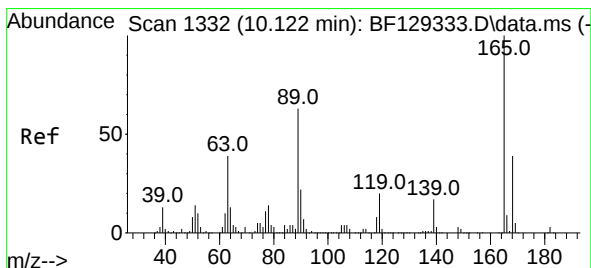
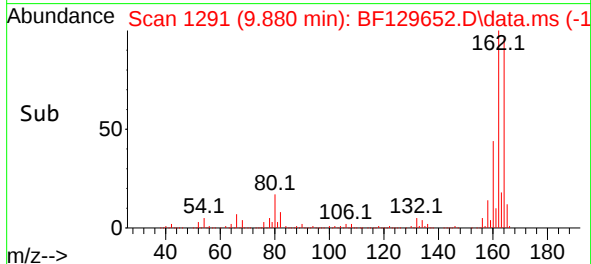
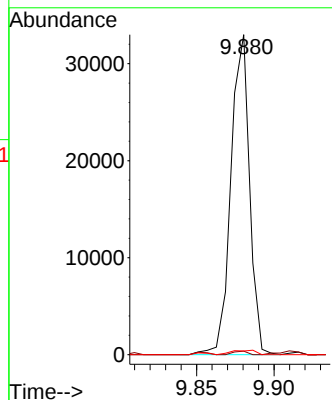
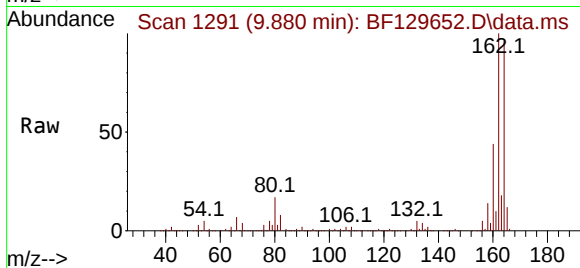
Tgt Ion:165 Resp: 27590

Ion Ratio Lower Upper

165 100

63 1.1 44.9 67.3#

89 1.2 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.622 ng

RT: 9.880 min Scan# 1291

Delta R.T. -0.206 min

Lab File: BF129652.D

Acq: 09 Aug 2022 02:44

Tgt Ion:165 Resp: 27590

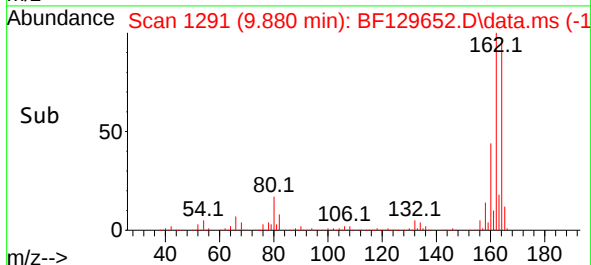
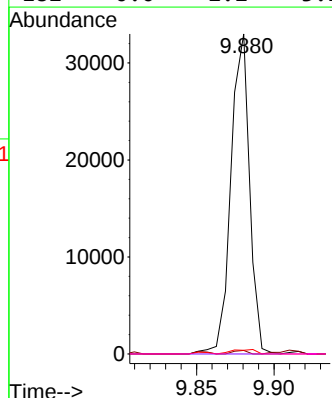
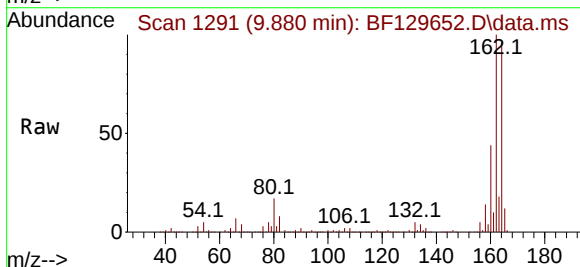
Ion Ratio Lower Upper

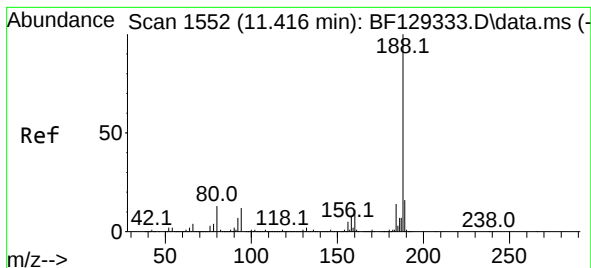
165 100

63 1.1 39.8 59.6#

89 1.2 60.2 90.2#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129652.D

Acq: 09 Aug 2022 02:44

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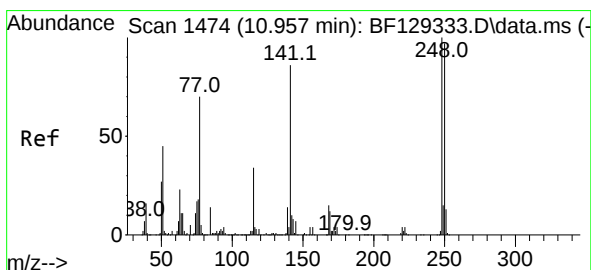
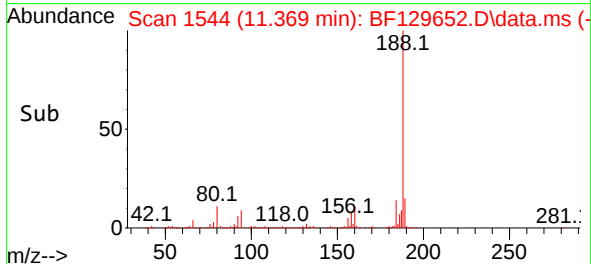
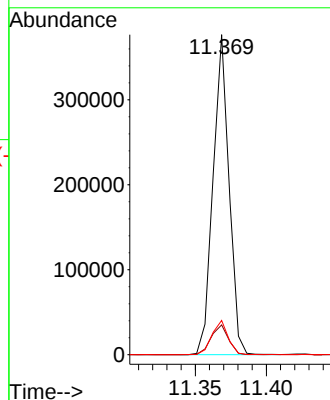
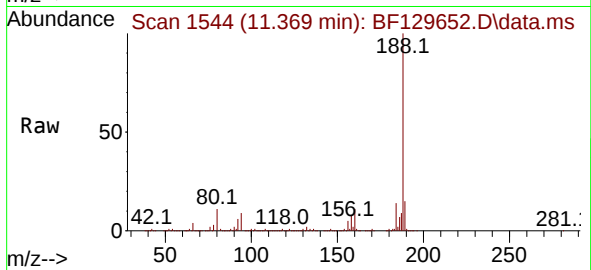
Tgt Ion:188 Resp: 293617

Ion Ratio Lower Upper

188 100

94 9.3 7.0 10.6

80 10.7 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 3.998 ng

RT: 10.674 min Scan# 1426

Delta R.T. -0.247 min

Lab File: BF129652.D

Acq: 09 Aug 2022 02:44

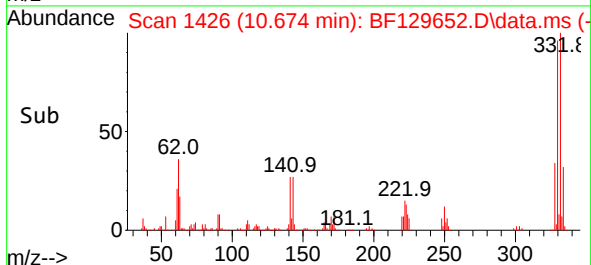
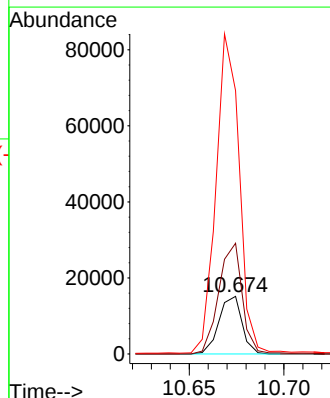
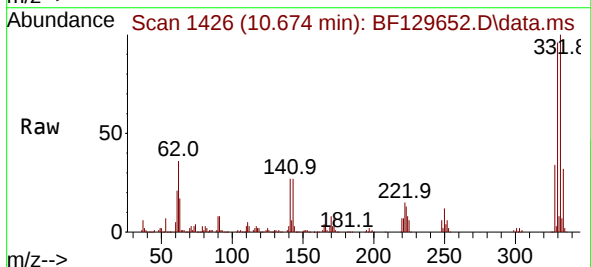
Tgt Ion:248 Resp: 12854

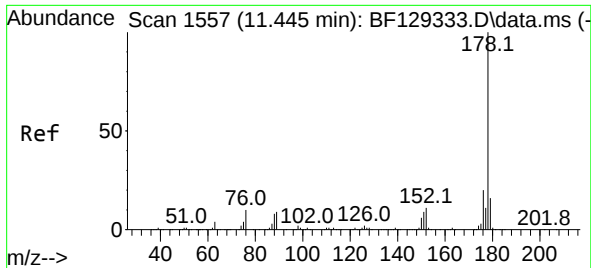
Ion Ratio Lower Upper

248 100

250 192.4 80.6 120.8#

141 457.4 58.9 88.3#

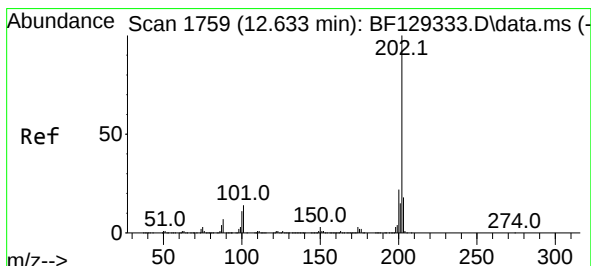
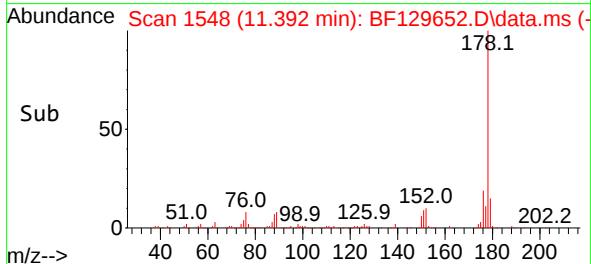
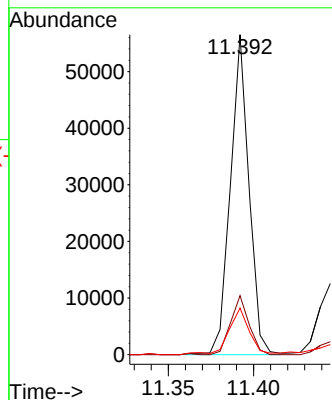
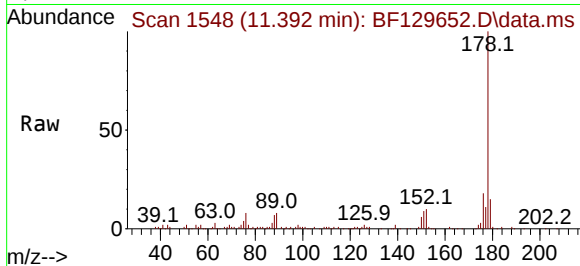




#71
Phenanthrene
Concen: 2.684 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF129652.D
Acq: 09 Aug 2022 02:44

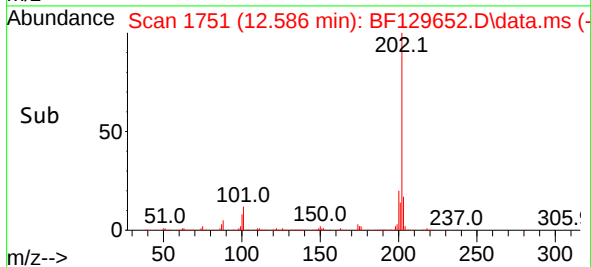
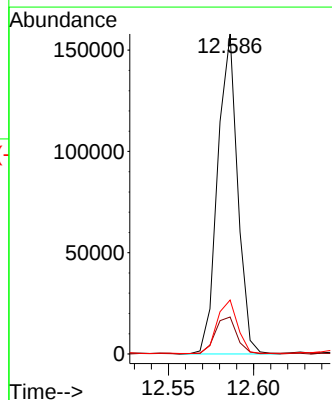
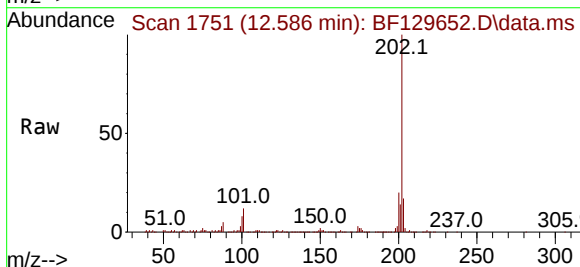
Instrument :
BNA_F
ClientSampleId :
RVE-222

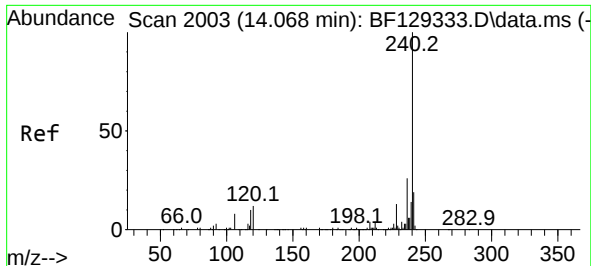
Tgt Ion:178 Resp: 43014
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 14.5 12.6 19.0



#75
Fluoranthene
Concen: 7.943 ng
RT: 12.586 min Scan# 1751
Delta R.T. -0.012 min
Lab File: BF129652.D
Acq: 09 Aug 2022 02:44

Tgt Ion:202 Resp: 128993
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.4
203 16.9 0.0 38.0

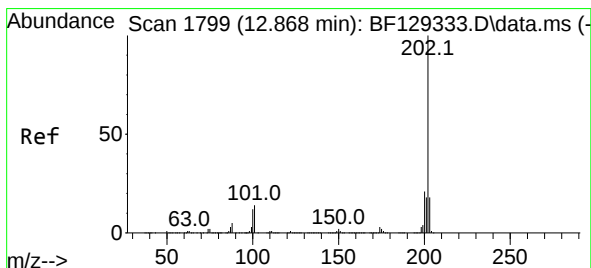
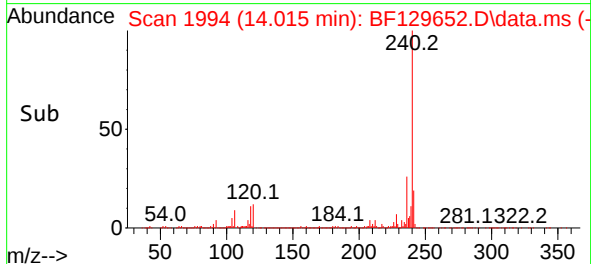
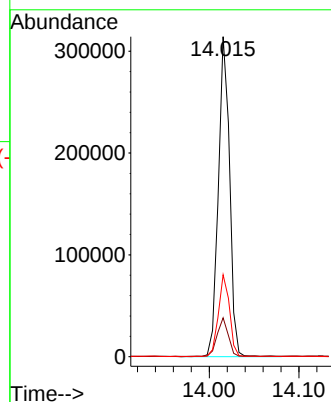
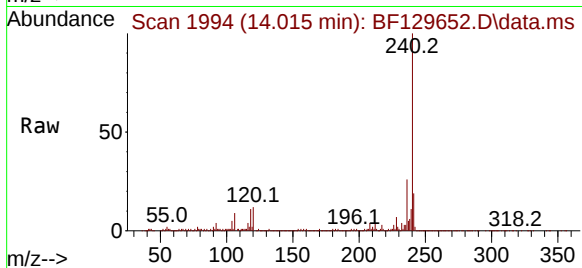




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129652.D
Acq: 09 Aug 2022 02:44

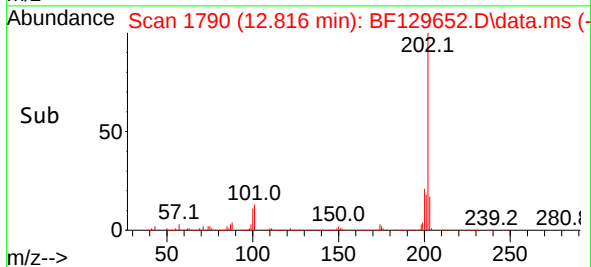
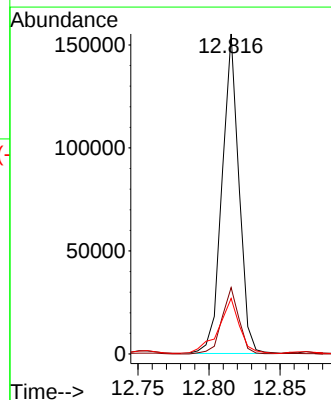
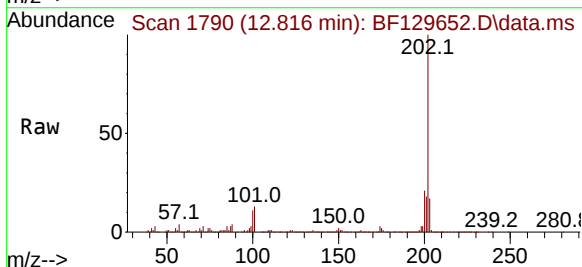
Instrument :
BNA_F
ClientSampleId :
RVE-222

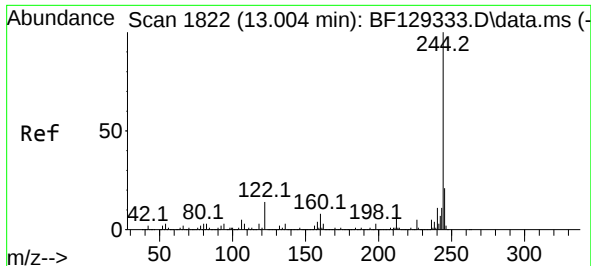
Tgt Ion:240 Resp: 273327
Ion Ratio Lower Upper
240 100
120 12.1 8.9 13.3
236 25.6 20.8 31.2



#78
Pyrene
Concen: 5.612 ng
RT: 12.816 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF129652.D
Acq: 09 Aug 2022 02:44

Tgt Ion:202 Resp: 128271
Ion Ratio Lower Upper
202 100
200 20.8 17.7 26.5
203 17.4 14.6 21.8

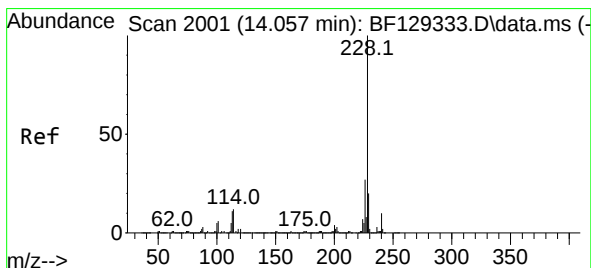
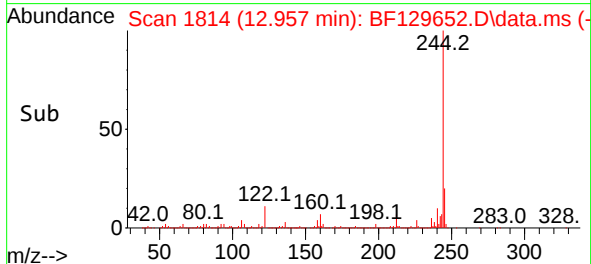
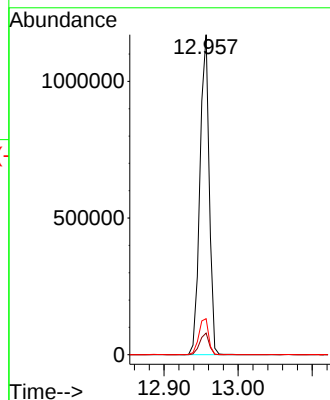
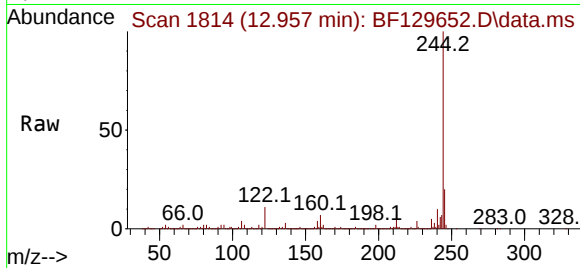




#79
 Terphenyl-d14
 Concen: 70.297 ng
 RT: 12.957 min Scan# 1814
 Delta R.T. -0.012 min
 Lab File: BF129652.D
 Acq: 09 Aug 2022 02:44

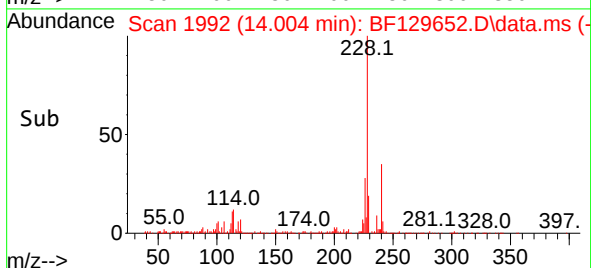
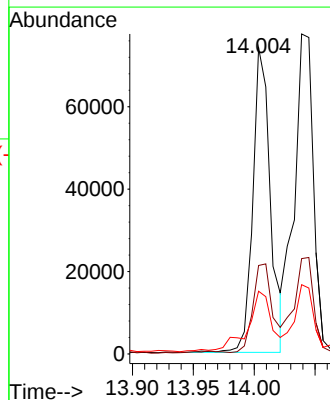
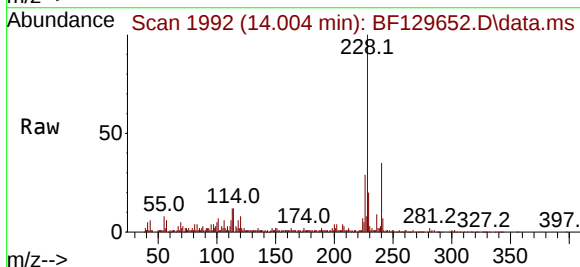
Instrument :
 BNA_F
 ClientSampleId :
 RVE-222

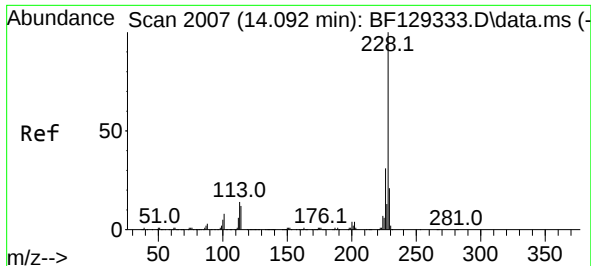
Tgt Ion:244 Resp: 1018457
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.1 9.1
 122 11.2 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 3.972 ng
 RT: 14.004 min Scan# 1992
 Delta R.T. -0.012 min
 Lab File: BF129652.D
 Acq: 09 Aug 2022 02:44

Tgt Ion:228 Resp: 74170
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.1 33.1
 229 20.5 15.8 23.8

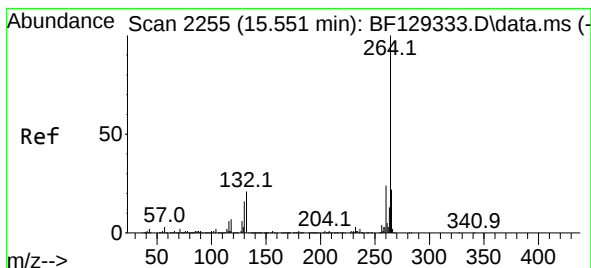
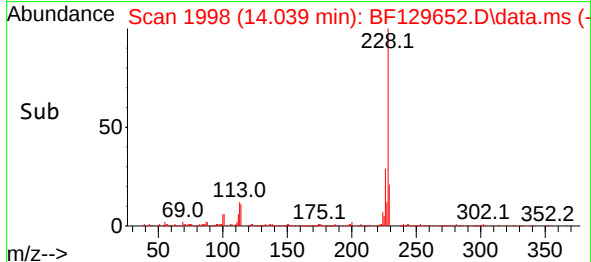
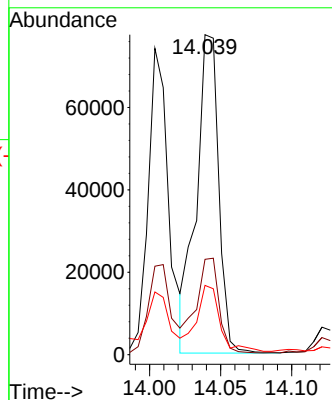
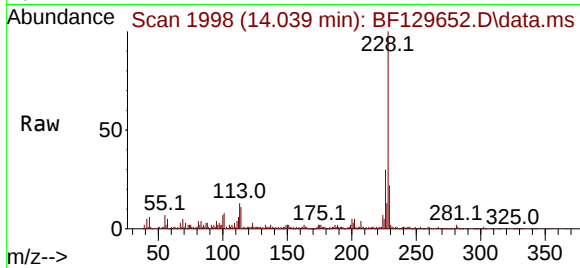




#83
Chrysene
Concen: 4.833 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BF129652.D
Acq: 09 Aug 2022 02:44

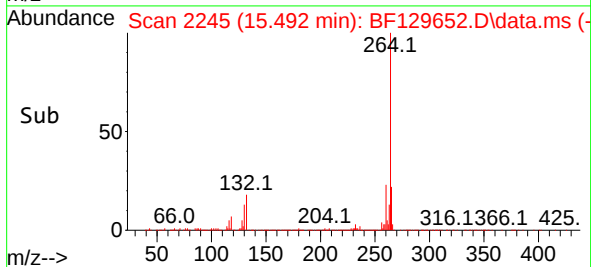
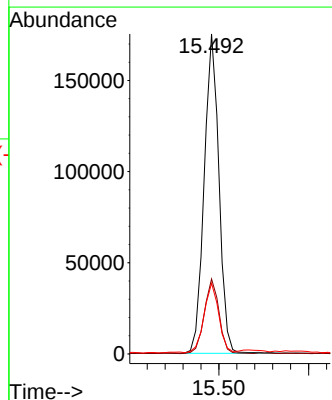
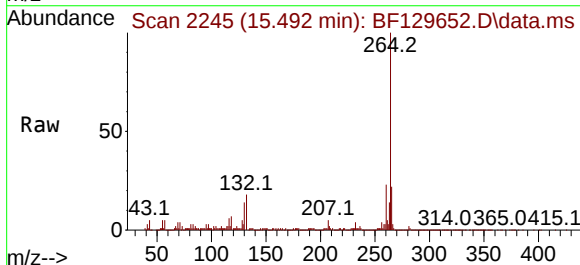
Instrument :
BNA_F
ClientSampleId :
RVE-222

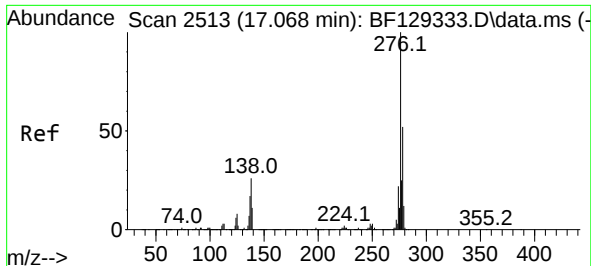
Tgt Ion:228 Resp: 85041
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 21.7 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2245
Delta R.T. -0.012 min
Lab File: BF129652.D
Acq: 09 Aug 2022 02:44

Tgt Ion:264 Resp: 199556
Ion Ratio Lower Upper
264 100
260 23.5 18.4 27.6
265 22.1 17.2 25.8

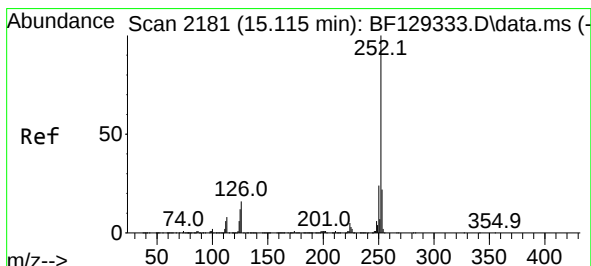
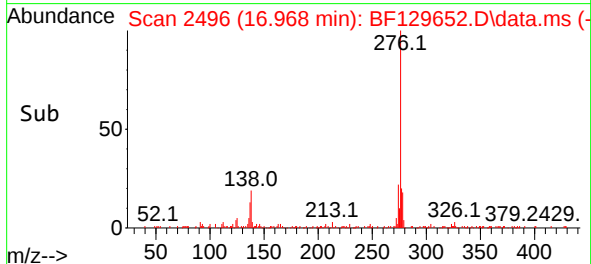
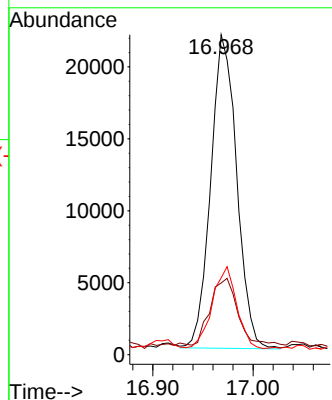
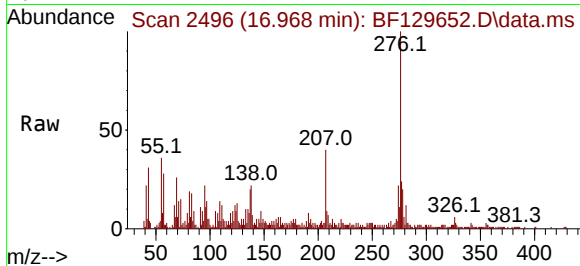




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.917 ng
RT: 16.968 min Scan# 2496
Delta R.T. -0.030 min
Lab File: BF129652.D
Acq: 09 Aug 2022 02:44

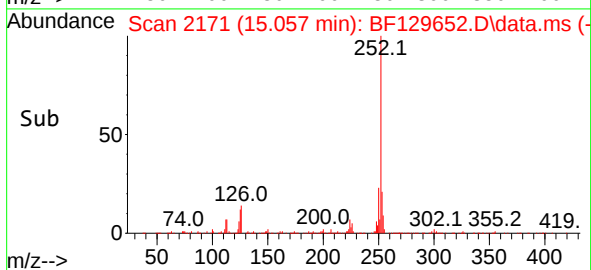
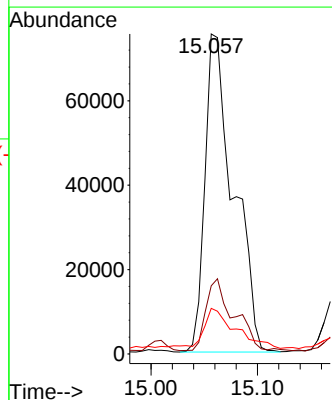
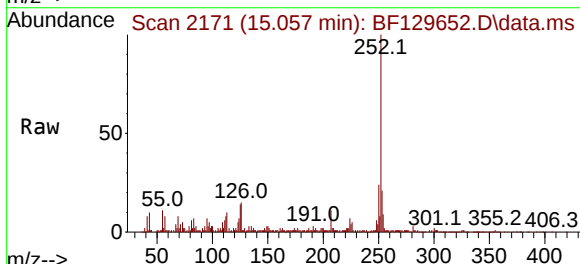
Instrument :
BNA_F
ClientSampleId :
RVE-222

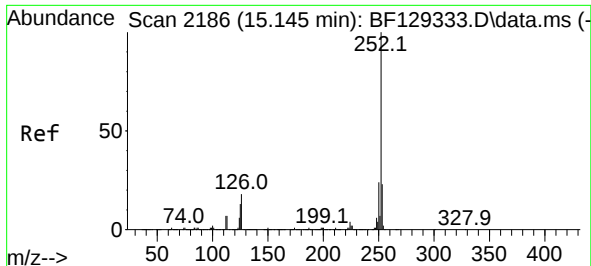
Tgt Ion:276 Resp: 39203
Ion Ratio Lower Upper
276 100
138 24.3 21.1 31.7
277 25.9 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 10.644 ng
RT: 15.057 min Scan# 2171
Delta R.T. -0.012 min
Lab File: BF129652.D
Acq: 09 Aug 2022 02:44

Tgt Ion:252 Resp: 140895
Ion Ratio Lower Upper
252 100
253 21.3 17.7 26.5
125 14.3 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 10.861 ng

RT: 15.057 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF129652.D

Acq: 09 Aug 2022 02:44

Instrument :

BNA_F

ClientSampleId :

RVE-222

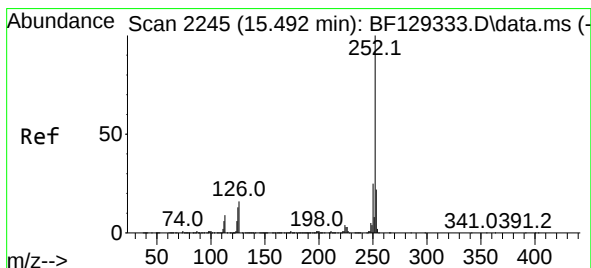
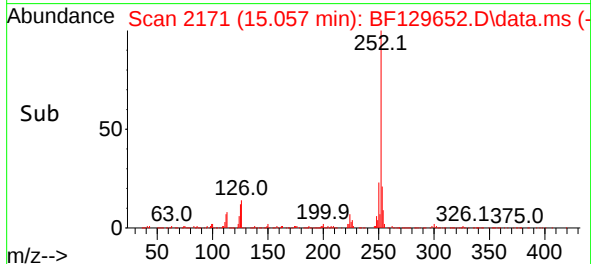
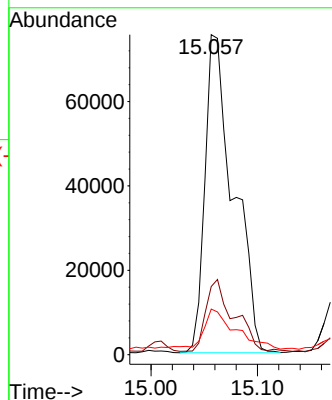
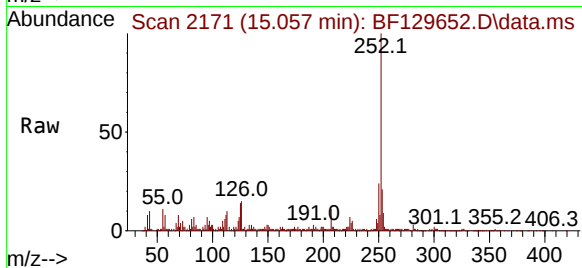
Tgt Ion:252 Resp: 140895

Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.6

125 14.3 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 5.648 ng

RT: 15.427 min Scan# 2234

Delta R.T. -0.012 min

Lab File: BF129652.D

Acq: 09 Aug 2022 02:44

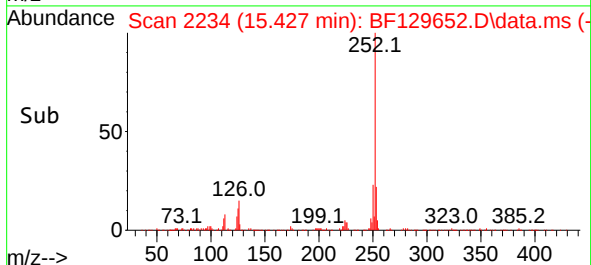
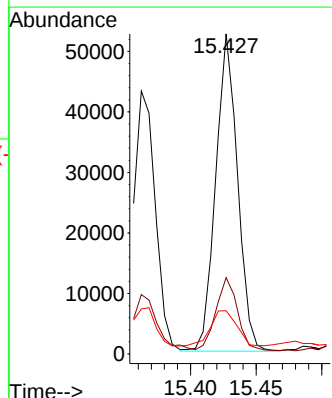
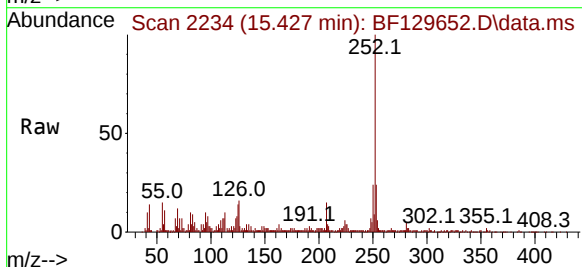
Tgt Ion:252 Resp: 60695

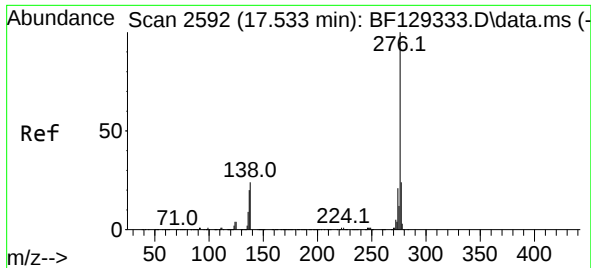
Ion Ratio Lower Upper

252 100

253 23.9 17.0 25.6

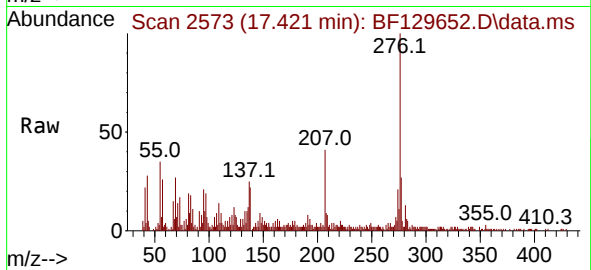
125 13.5 8.8 13.2#





#92
 Benzo(g,h,i)perylene
 Concen: 3.565 ng
 RT: 17.421 min Scan# 21
 Delta R.T. -0.030 min
 Lab File: BF129652.D
 Acq: 09 Aug 2022 02:44

Instrument :
 BNA_F
 ClientSampleId :
 RVE-222



Tgt Ion:276 Resp: 39840
 Ion Ratio Lower Upper
 276 100
 277 26.6 19.1 28.7
 138 22.3 18.0 27.0

