

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080422\
 Data File : BF129590.D
 Acq On : 05 Aug 2022 02:32
 Operator : CG\JU
 Sample : N3931-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-123

Quant Time: Aug 05 03:17:37 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 02:05:37 2022
 Response via : Initial Calibration

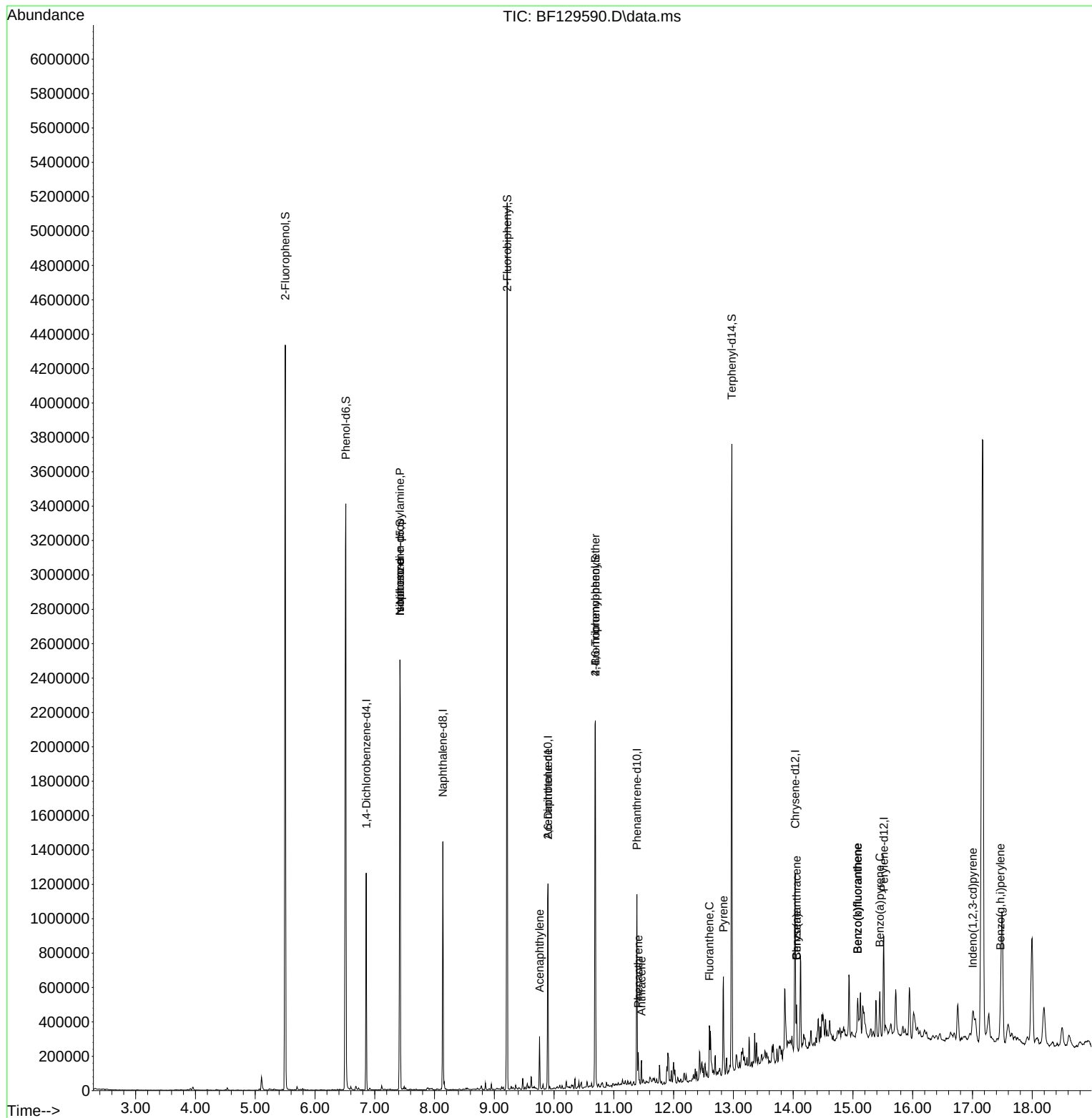
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	164012	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	575719	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	245597	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	355944	20.000	ng	0.00
76) Chrysene-d12	14.033	240	296437	20.000	ng	0.00
86) Perylene-d12	15.515	264	238147	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1150835	114.303	ng	0.01
7) Phenol-d6	6.516	99	1398470	110.505	ng	0.00
23) Nitrobenzene-d5	7.422	82	868331	82.334	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	253739	107.460	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1381962	87.046	ng	0.00
79) Terphenyl-d14	12.974	244	1215321	77.345	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.422	70	116539	15.211	ng	# 74
25) Isophorone	7.422	82	864455	45.727	ng	# 65
49) Acenaphthylene	9.757	152	112044	5.089	ng	97
51) 2,6-Dinitrotoluene	9.898	165	32076	8.453	ng	# 26
67) 4-Bromophenyl-phenylether	10.692	248	16150	4.143	ng	# 1
71) Phenanthrene	11.410	178	63044	3.245	ng	98
72) Anthracene	11.463	178	55113	2.886	ng	99
75) Fluoranthene	12.598	202	108285	5.500	ng	96
78) Pyrene	12.833	202	220664	8.902	ng	98
81) Benzo(a)anthracene	14.057	228	105236	5.197	ng	95
83) Chrysene	14.057	228	105236	5.514	ng	98
87) Indeno(1,2,3-cd)pyrene	17.004	276	59536	3.712	ng	95
88) Benzo(b)fluoranthene	15.080	252	145073	9.184	ng	# 96
89) Benzo(k)fluoranthene	15.080	252	145073	9.371	ng	# 97
90) Benzo(a)pyrene	15.451	252	103159	8.044	ng	98
92) Benzo(g,h,i)perylene	17.468	276	78397	5.878	ng	97

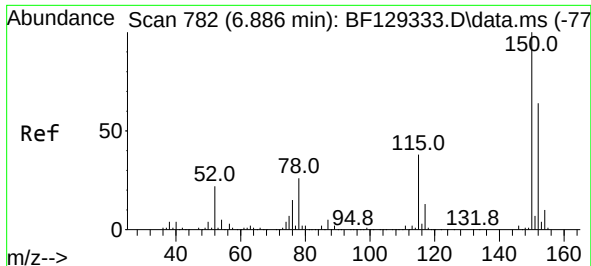
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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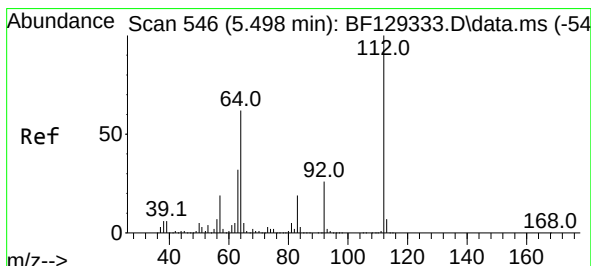
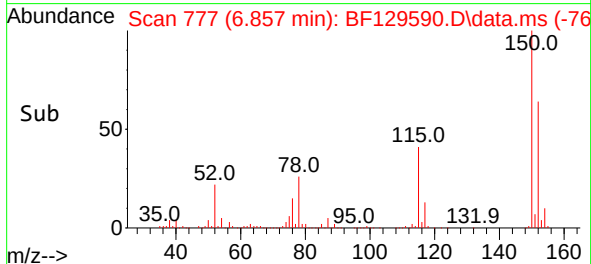
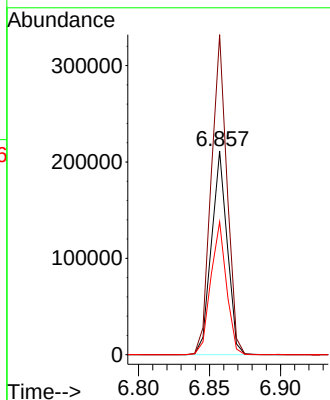
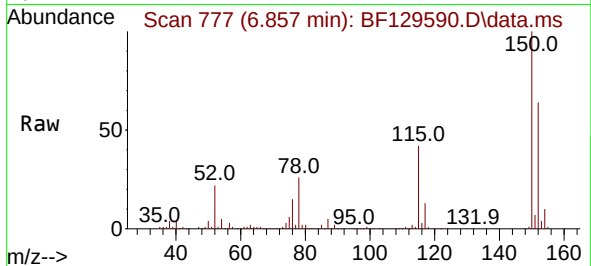




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.857 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF129590.D
 Acq: 05 Aug 2022 02:32

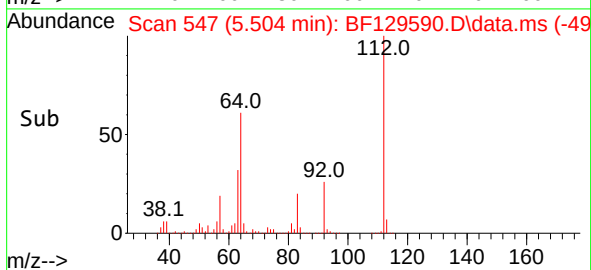
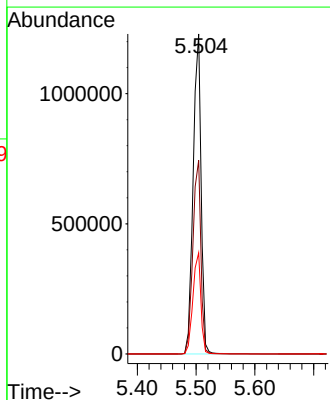
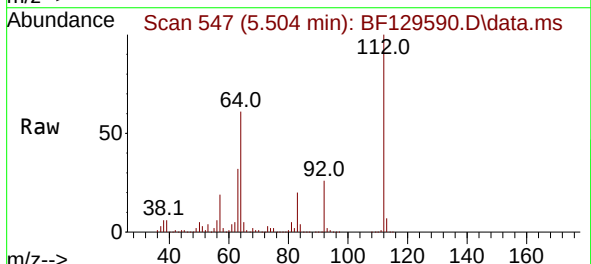
Instrument :
 BNA_F
 ClientSampleId :
 RVE-123

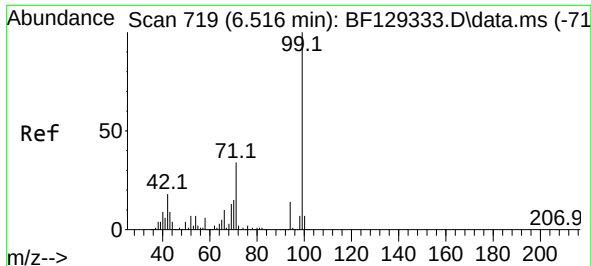
Tgt Ion:152 Resp: 164012
 Ion Ratio Lower Upper
 152 100
 150 157.1 123.7 185.5
 115 65.2 49.9 74.9



#5
 2-Fluorophenol
 Concen: 114.303 ng
 RT: 5.504 min Scan# 547
 Delta R.T. 0.012 min
 Lab File: BF129590.D
 Acq: 05 Aug 2022 02:32

Tgt Ion:112 Resp: 1150835
 Ion Ratio Lower Upper
 112 100
 64 60.5 53.3 79.9
 63 31.6 28.0 42.0



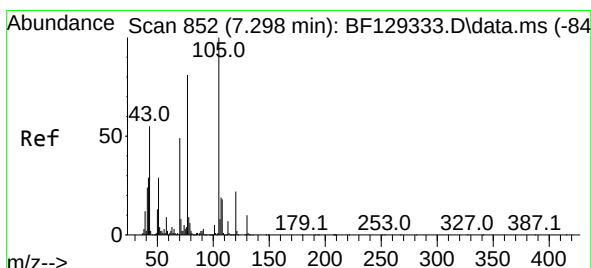
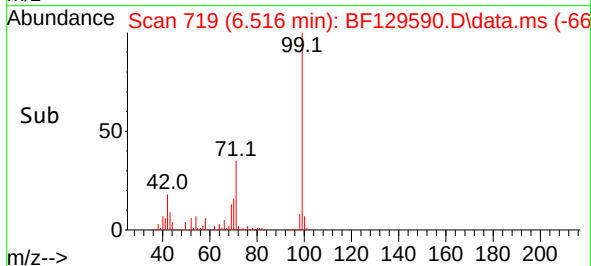
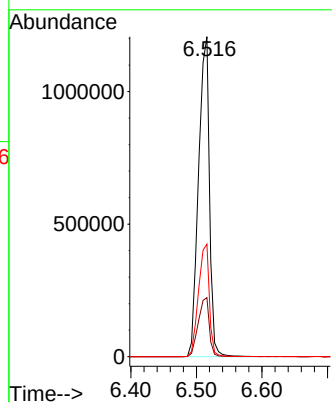
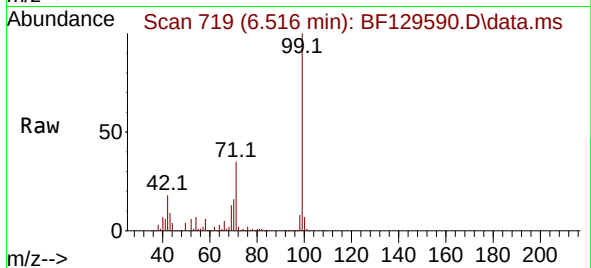


#7
Phenol-d6
Concen: 110.505 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.000 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

Instrument :
BNA_F
ClientSampleId :
RVE-123

Tgt Ion: 99 Resp: 1398470

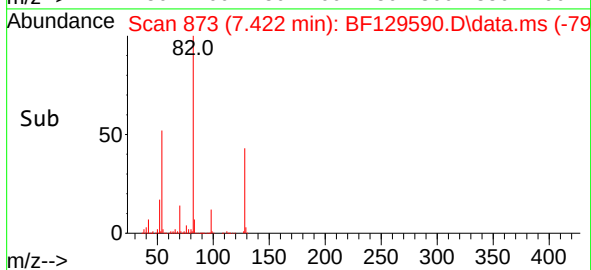
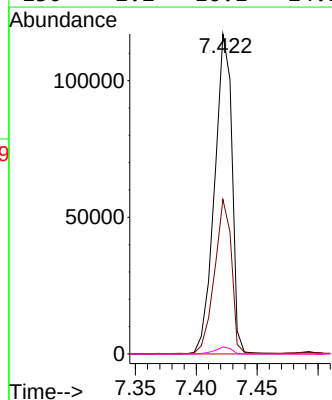
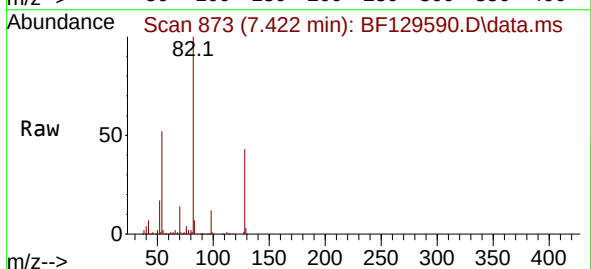
Ion	Ratio	Lower	Upper
99	100		
42	18.4	17.3	25.9
71	35.2	28.9	43.3

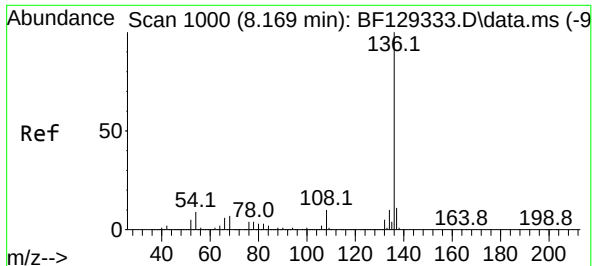


#19
n-Nitroso-di-n-propylamine
Concen: 15.211 ng
RT: 7.422 min Scan# 873
Delta R.T. 0.141 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

Tgt Ion: 70 Resp: 116539

Ion	Ratio	Lower	Upper
70	100		
42	48.3	52.3	78.5#
101	0.0	7.5	11.3#
130	2.2	16.1	24.1#

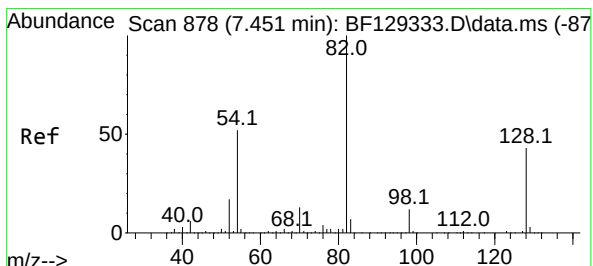
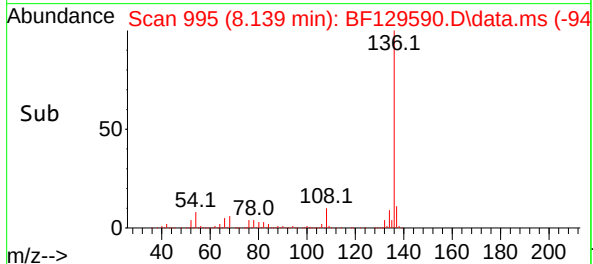
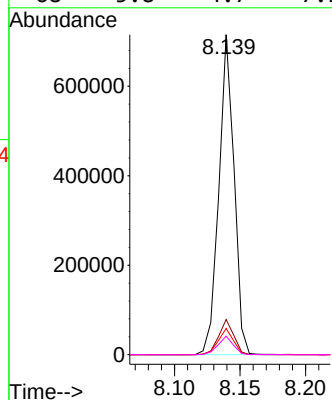
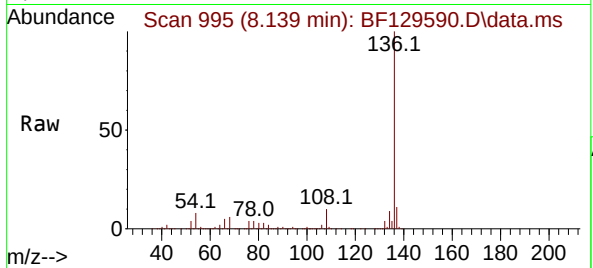




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

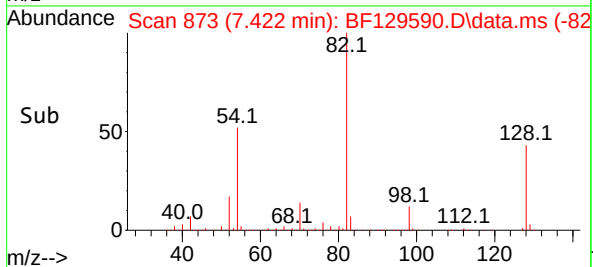
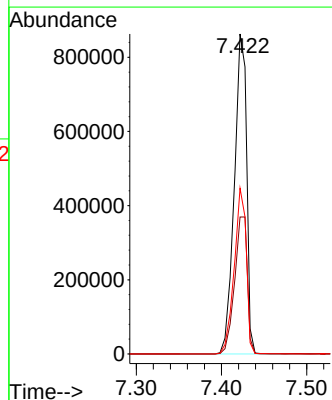
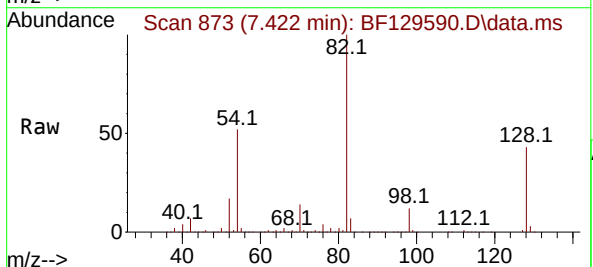
Instrument :
BNA_F
ClientSampleId :
RVE-123

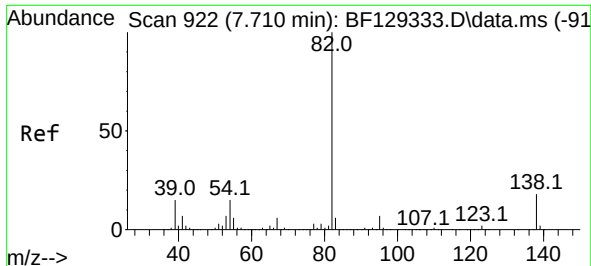
Tgt Ion:136 Resp: 575719
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.2 7.5 11.3
68 5.8 4.7 7.1



#23
Nitrobenzene-d5
Concen: 82.334 ng
RT: 7.422 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

Tgt Ion: 82 Resp: 868331
Ion Ratio Lower Upper
82 100
128 42.8 34.0 51.0
54 51.8 46.9 70.3

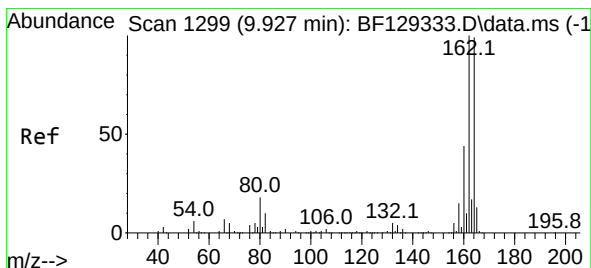
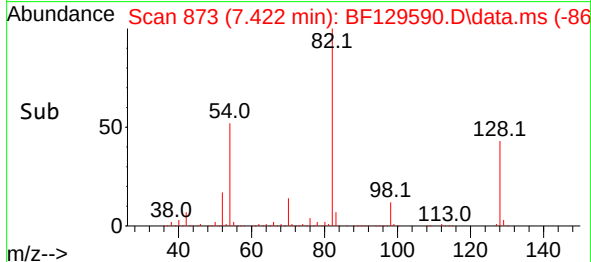
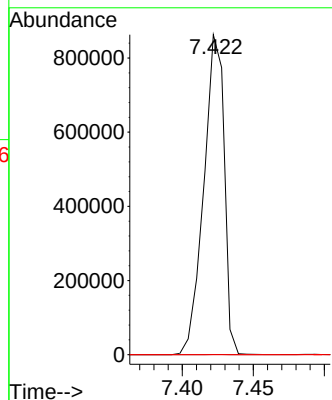
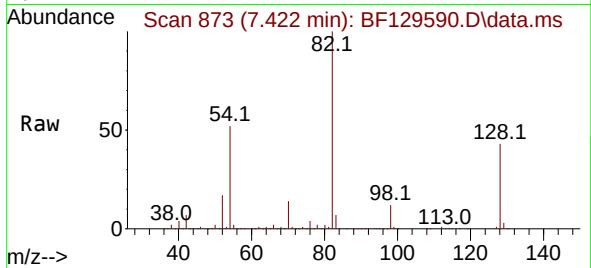




#25
Isophorone
Concen: 45.727 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

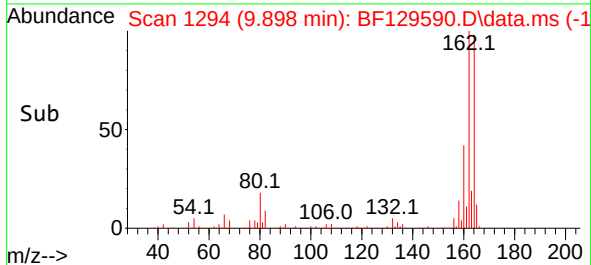
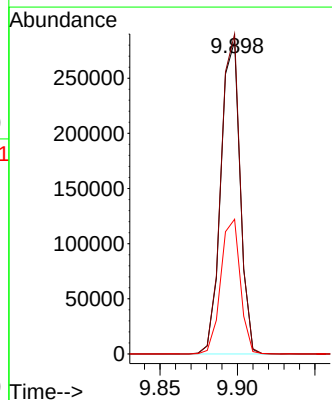
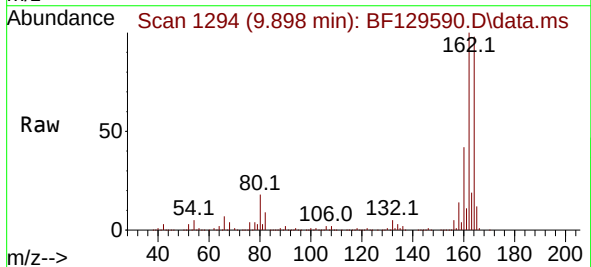
Instrument :
BNA_F
ClientSampleId :
RVE-123

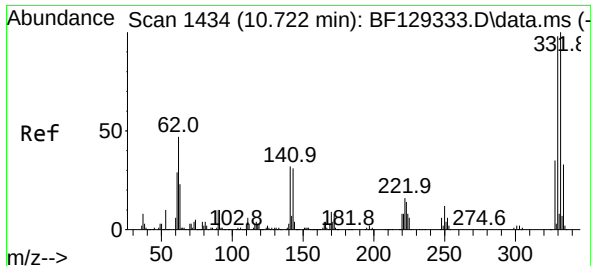
Tgt Ion: 82 Resp: 864455
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

Tgt Ion:164 Resp: 245597
Ion Ratio Lower Upper
164 100
162 102.2 79.5 119.3
160 43.1 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 107.460 ng

RT: 10.692 min Scan# 1429

Delta R.T. -0.006 min

Lab File: BF129590.D

Acq: 05 Aug 2022 02:32

Instrument :

BNA_F

ClientSampleId :

RVE-123

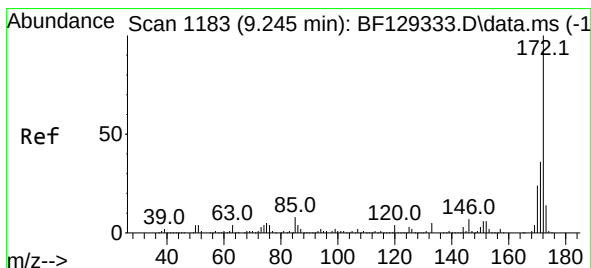
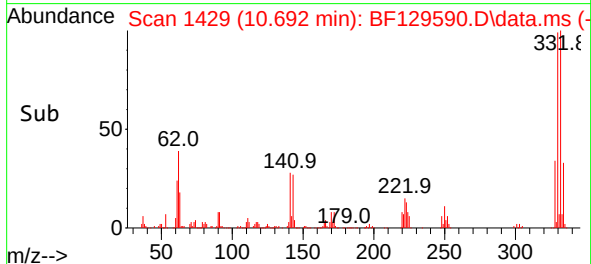
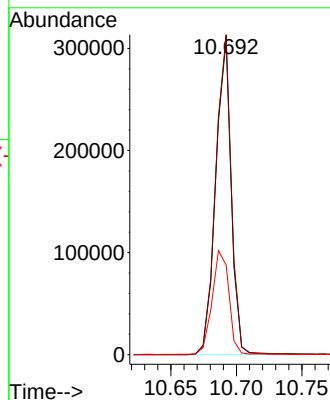
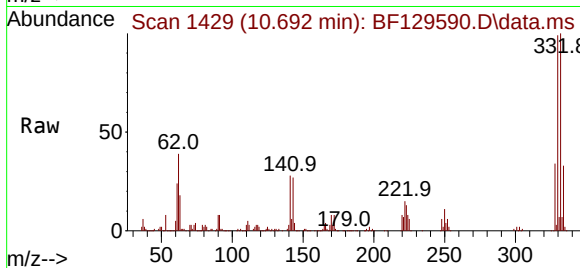
Tgt Ion:330 Resp: 253739

Ion Ratio Lower Upper

330 100

332 102.8 76.8 115.2

141 35.7 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 87.046 ng

RT: 9.216 min Scan# 1178

Delta R.T. -0.006 min

Lab File: BF129590.D

Acq: 05 Aug 2022 02:32

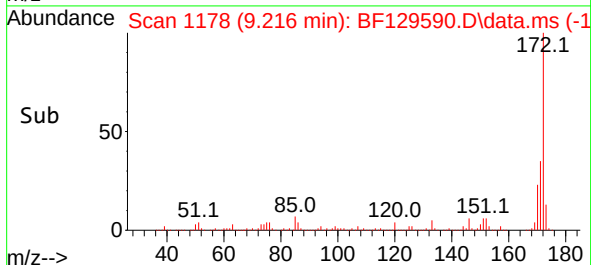
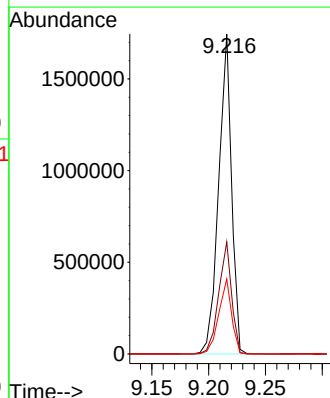
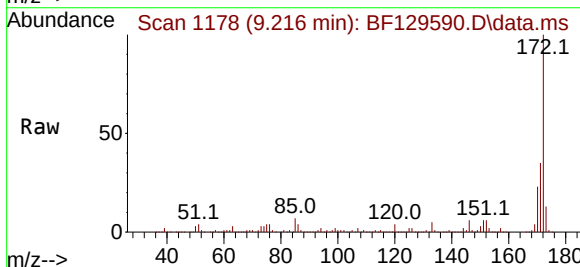
Tgt Ion:172 Resp: 1381962

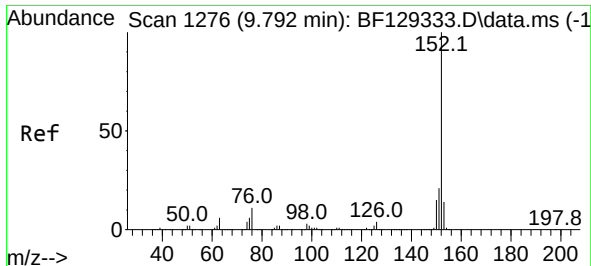
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.5 19.8 29.8





#49

Acenaphthylene

Concen: 5.089 ng

RT: 9.757 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF129590.D

Acq: 05 Aug 2022 02:32

Instrument :

BNA_F

ClientSampleId :

RVE-123

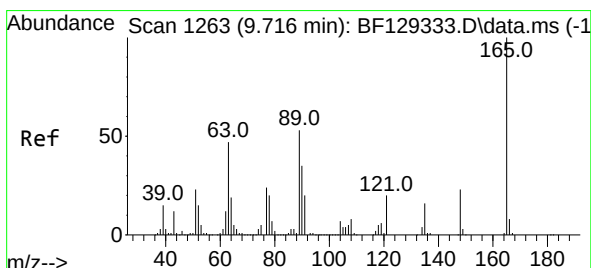
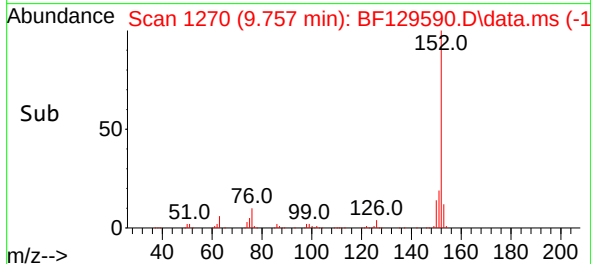
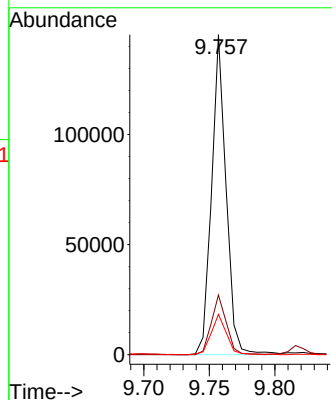
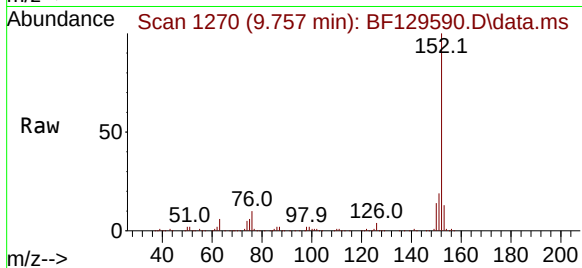
Tgt Ion:152 Resp: 112044

Ion Ratio Lower Upper

152 100

151 18.6 16.2 24.4

153 12.6 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 8.453 ng

RT: 9.898 min Scan# 1294

Delta R.T. 0.206 min

Lab File: BF129590.D

Acq: 05 Aug 2022 02:32

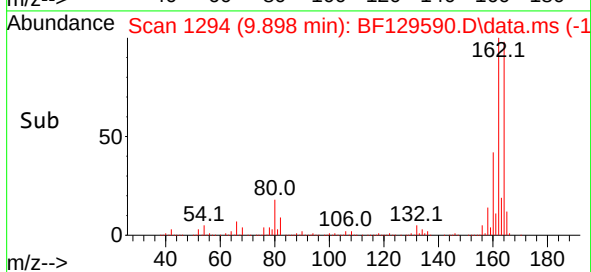
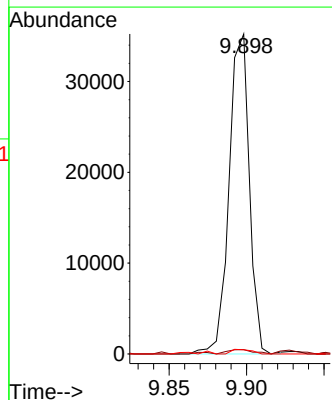
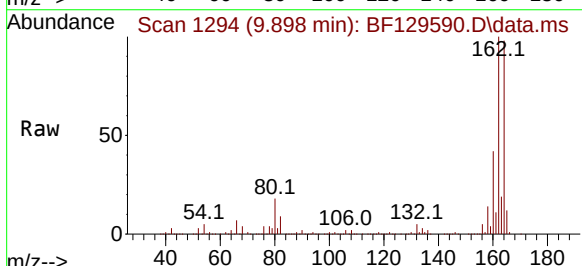
Tgt Ion:165 Resp: 32076

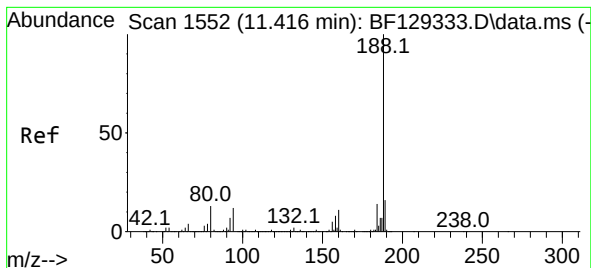
Ion Ratio Lower Upper

165 100

63 1.4 44.9 67.3#

89 1.3 43.6 65.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129590.D

Acq: 05 Aug 2022 02:32

Instrument :

BNA_F

ClientSampleId :

RVE-123

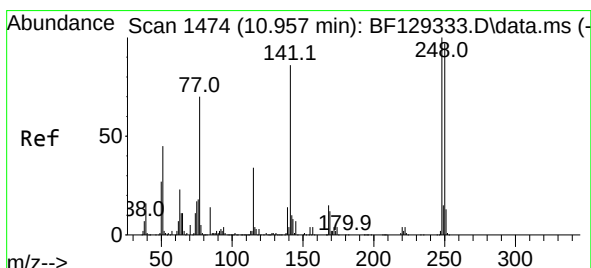
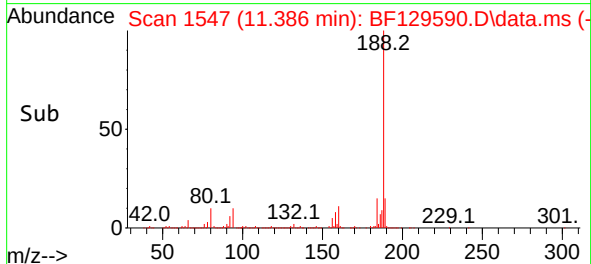
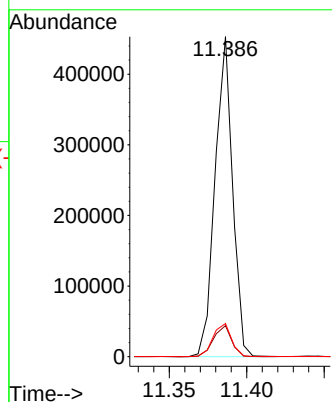
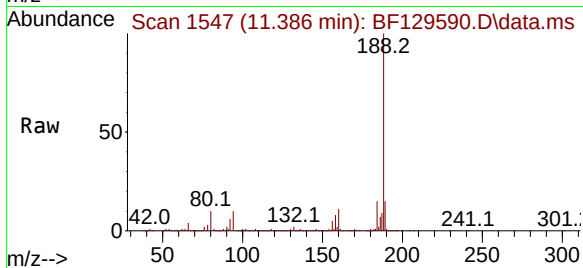
Tgt Ion:188 Resp: 355944

Ion Ratio Lower Upper

188 100

94 9.7 7.0 10.6

80 10.4 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 4.143 ng

RT: 10.692 min Scan# 1429

Delta R.T. -0.241 min

Lab File: BF129590.D

Acq: 05 Aug 2022 02:32

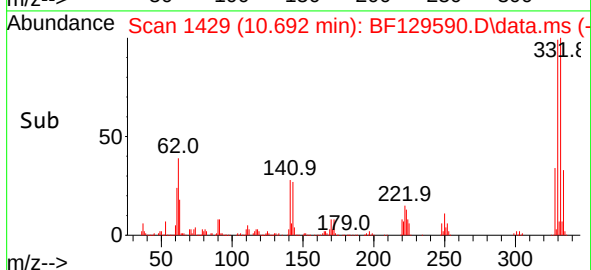
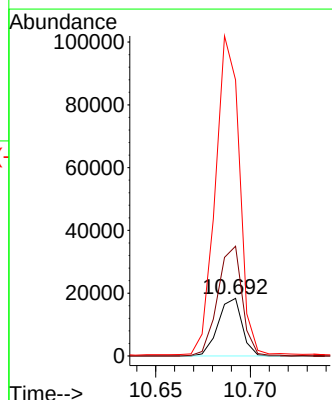
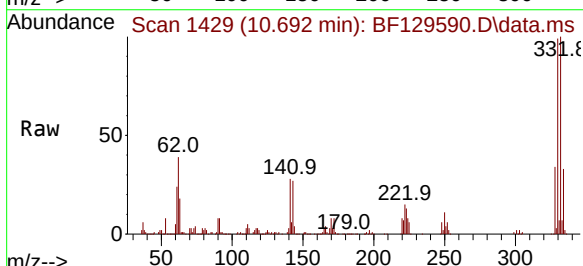
Tgt Ion:248 Resp: 16150

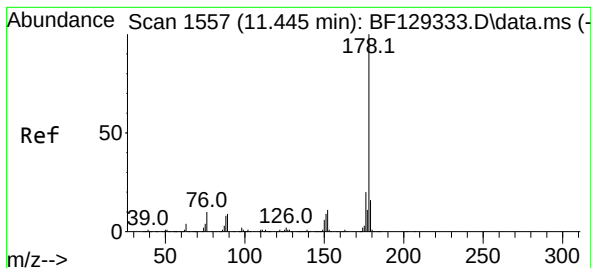
Ion Ratio Lower Upper

248 100

250 190.5 80.6 120.8#

141 479.2 58.9 88.3#





#71

Phenanthrene

Concen: 3.245 ng

RT: 11.410 min Scan# 1551

Delta R.T. -0.012 min

Lab File: BF129590.D

Acq: 05 Aug 2022 02:32

Instrument :

BNA_F

ClientSampleId :

RVE-123

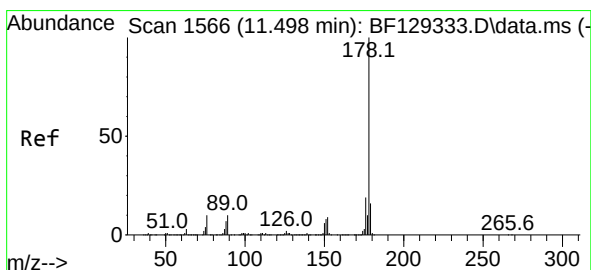
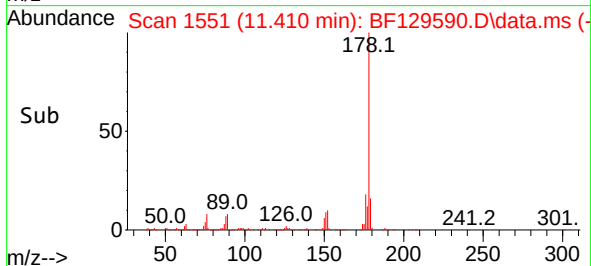
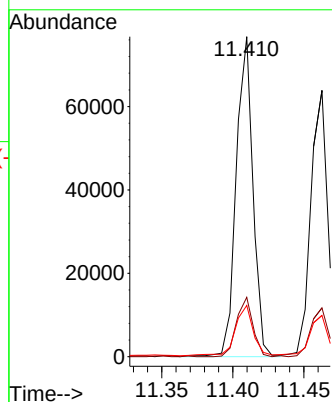
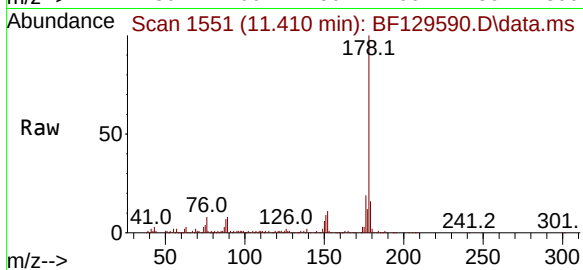
Tgt Ion:178 Resp: 63044

Ion Ratio Lower Upper

178 100

176 18.6 16.0 24.0

179 16.0 12.6 19.0



#72

Anthracene

Concen: 2.886 ng

RT: 11.463 min Scan# 1560

Delta R.T. -0.012 min

Lab File: BF129590.D

Acq: 05 Aug 2022 02:32

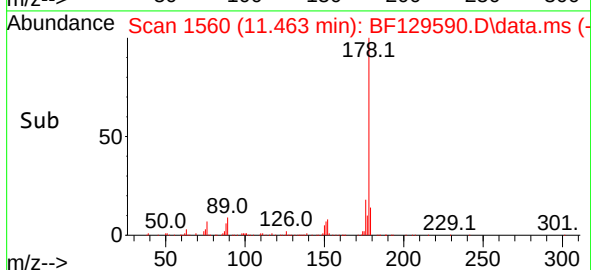
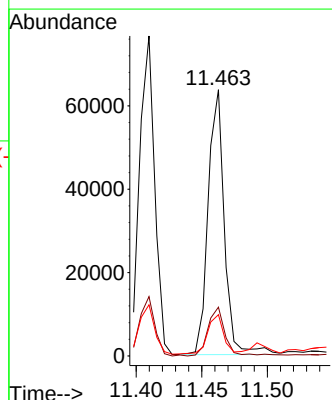
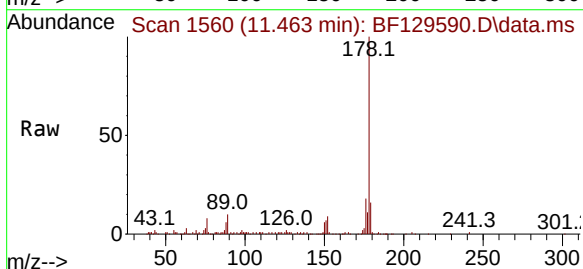
Tgt Ion:178 Resp: 55113

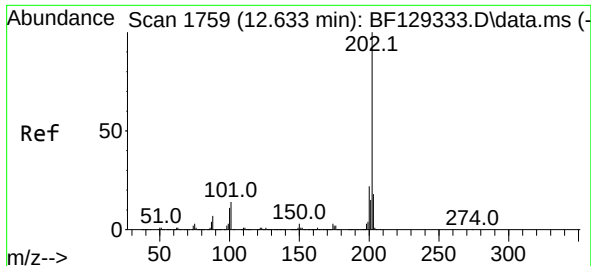
Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

179 15.5 12.6 19.0

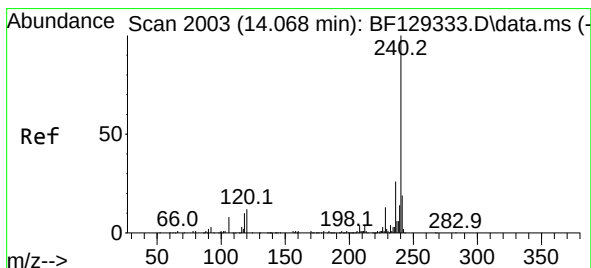
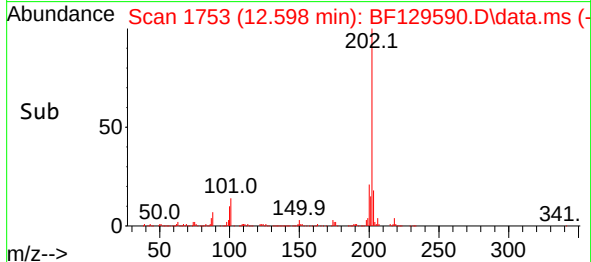
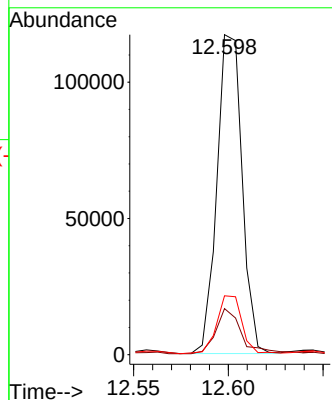
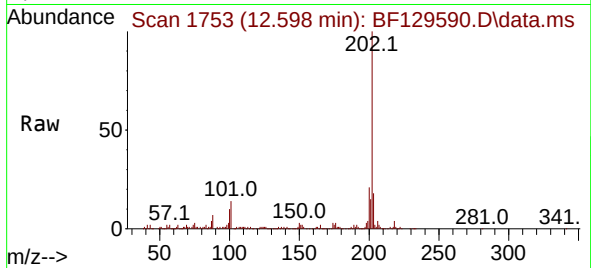




#75
Fluoranthene
Concen: 5.500 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

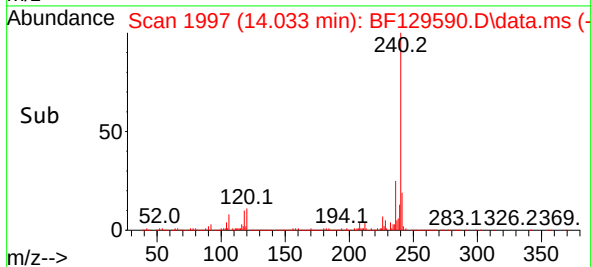
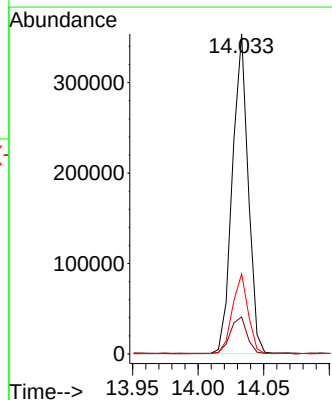
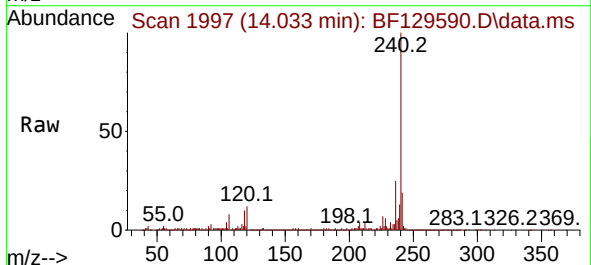
Instrument :
BNA_F
ClientSampleId :
RVE-123

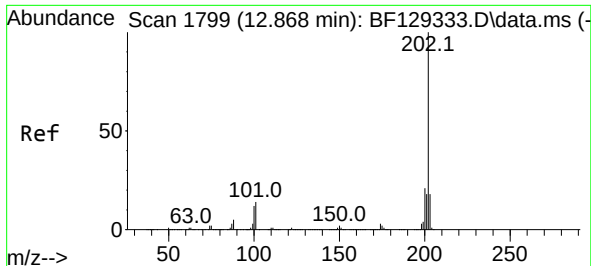
Tgt Ion:202 Resp: 108285
Ion Ratio Lower Upper
202 100
101 14.4 0.0 31.4
203 18.4 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

Tgt Ion:240 Resp: 296437
Ion Ratio Lower Upper
240 100
120 11.5 8.9 13.3
236 25.1 20.8 31.2

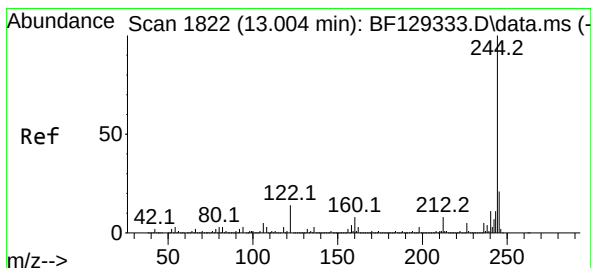
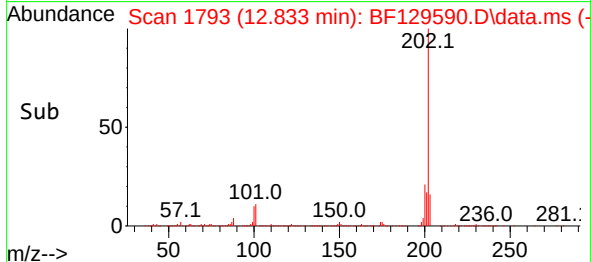
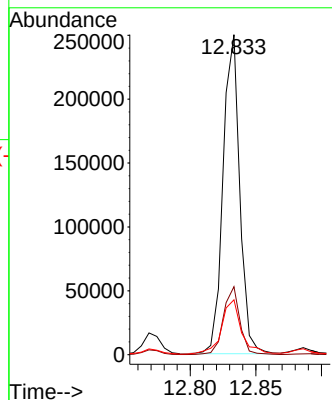
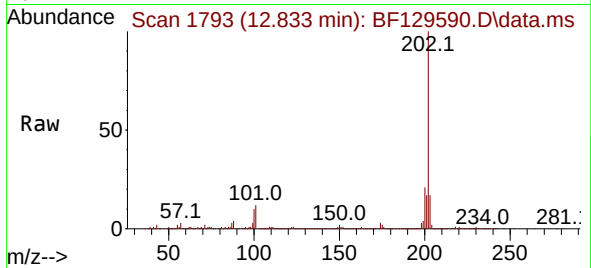




#78
Pyrene
Concen: 8.902 ng
RT: 12.833 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

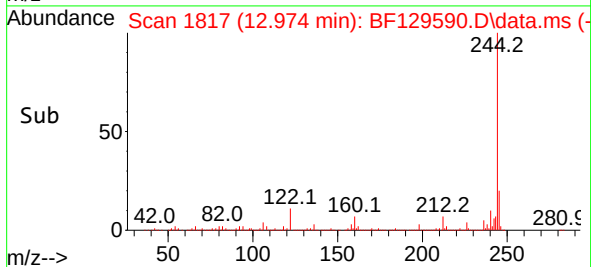
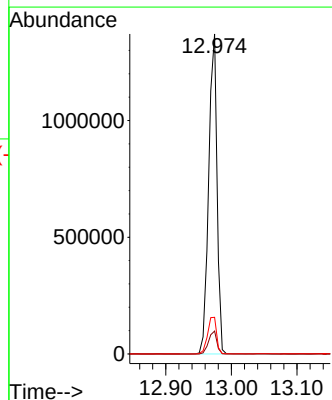
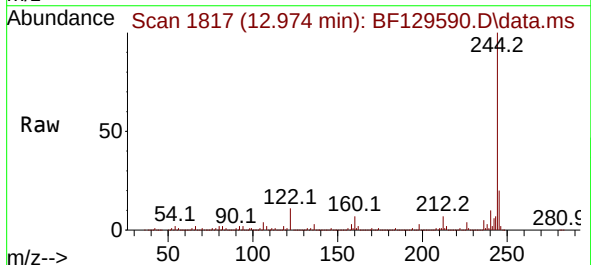
Instrument :
BNA_F
ClientSampleId :
RVE-123

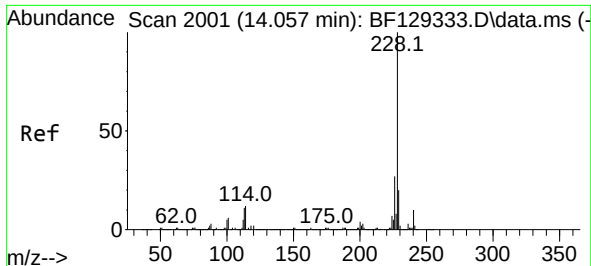
Tgt Ion:202 Resp: 220664
Ion Ratio Lower Upper
202 100
200 21.2 17.7 26.5
203 17.1 14.6 21.8



#79
Terphenyl-d14
Concen: 77.345 ng
RT: 12.974 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

Tgt Ion:244 Resp: 1215321
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 11.5 8.8 13.2

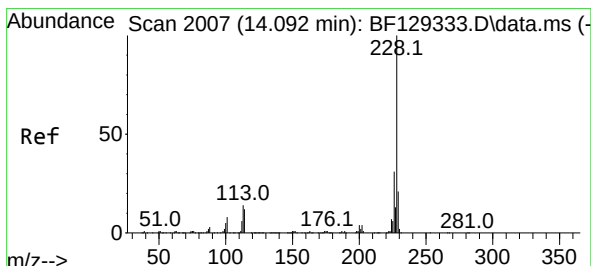
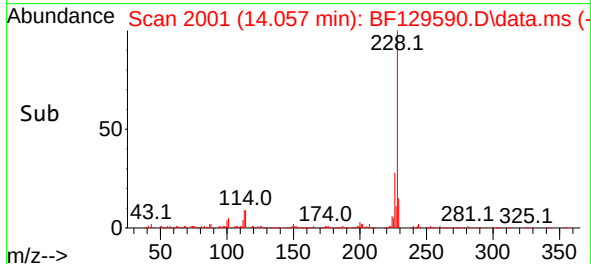
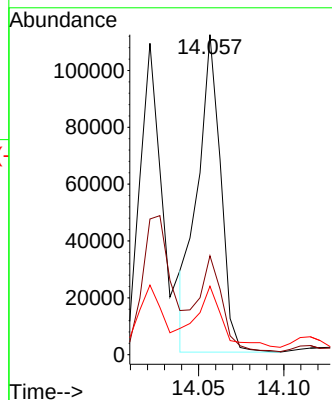
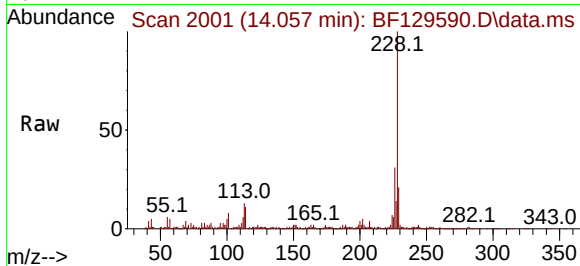




#81
Benzo(a)anthracene
Concen: 5.197 ng
RT: 14.057 min Scan# 2001
Delta R.T. 0.029 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

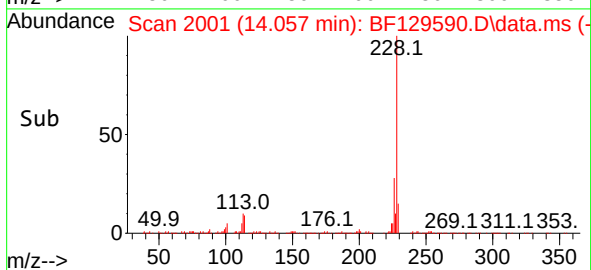
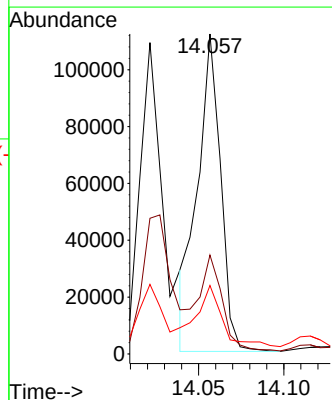
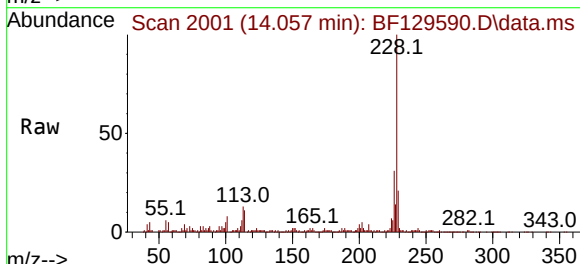
Instrument :
BNA_F
ClientSampleId :
RVE-123

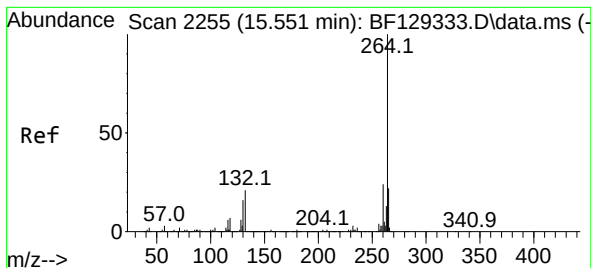
Tgt Ion:228 Resp: 105236
Ion Ratio Lower Upper
228 100
226 30.9 22.1 33.1
229 21.4 15.8 23.8



#83
Chrysene
Concen: 5.514 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.012 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

Tgt Ion:228 Resp: 105236
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 21.4 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF129590.D

Acq: 05 Aug 2022 02:32

Instrument :

BNA_F

ClientSampleId :

RVE-123

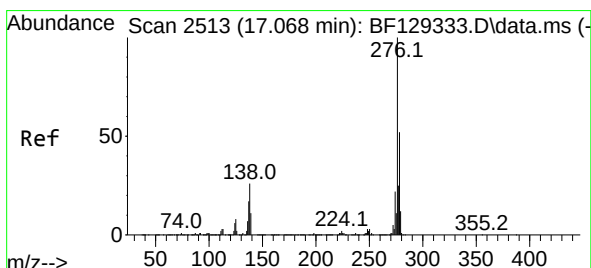
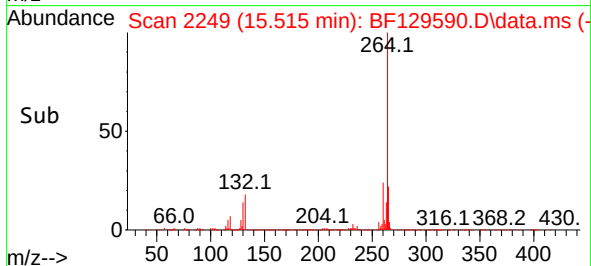
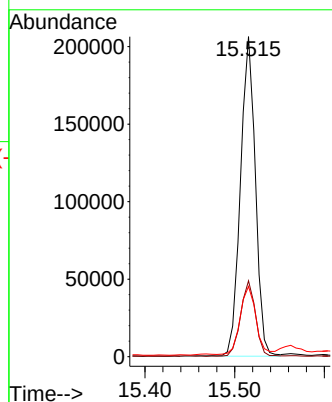
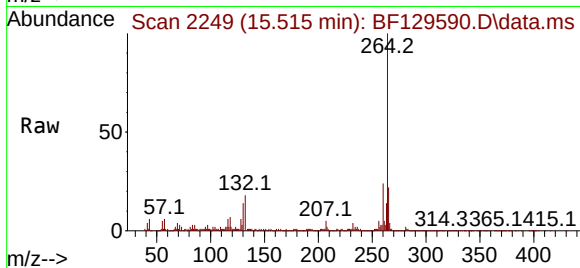
Tgt Ion:264 Resp: 238147

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 22.0 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.712 ng

RT: 17.004 min Scan# 2502

Delta R.T. -0.018 min

Lab File: BF129590.D

Acq: 05 Aug 2022 02:32

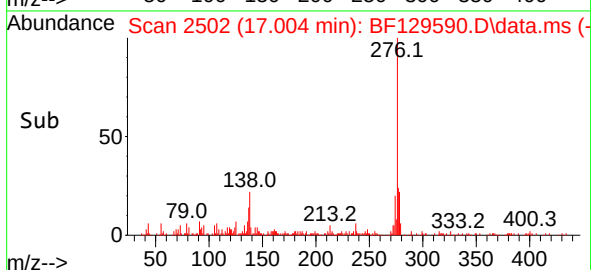
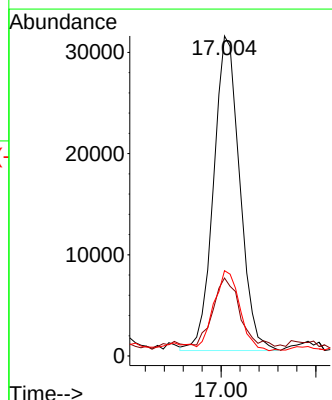
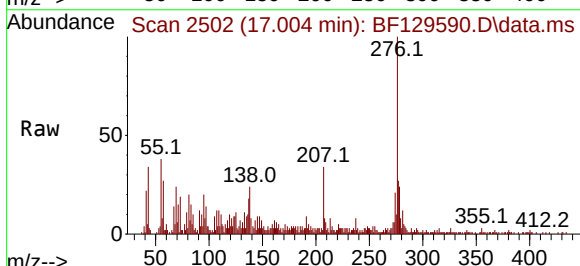
Tgt Ion:276 Resp: 59536

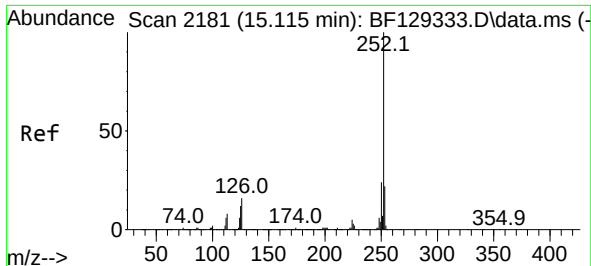
Ion Ratio Lower Upper

276 100

138 22.3 21.1 31.7

277 24.7 20.3 30.5

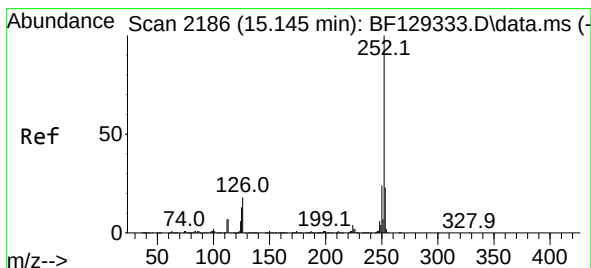
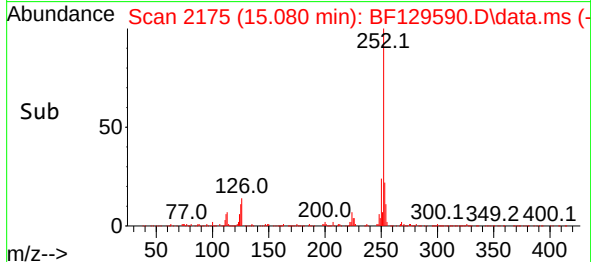
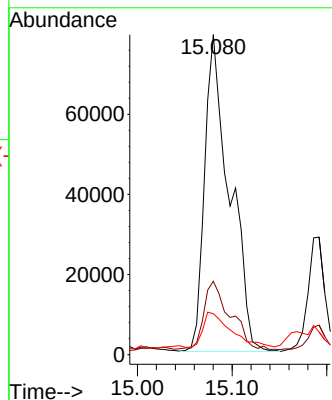
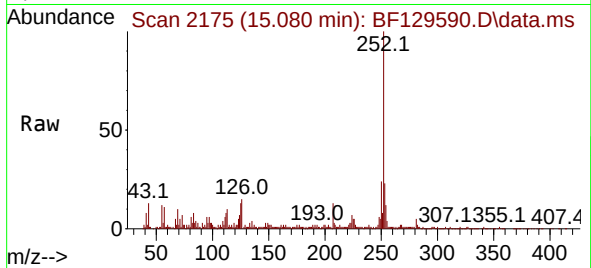




#88
Benzo(b)fluoranthene
Concen: 9.184 ng
RT: 15.080 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

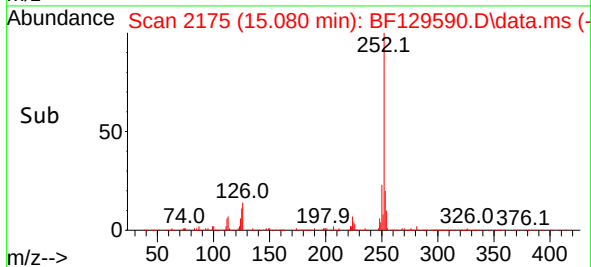
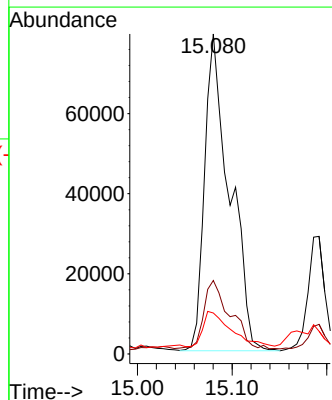
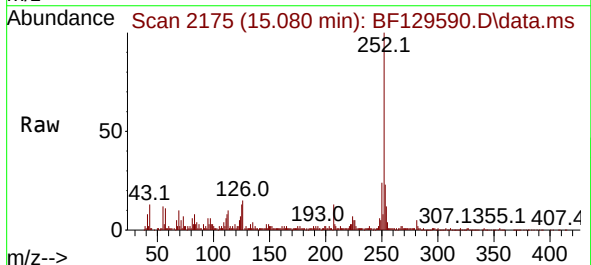
Instrument :
BNA_F
ClientSampleId :
RVE-123

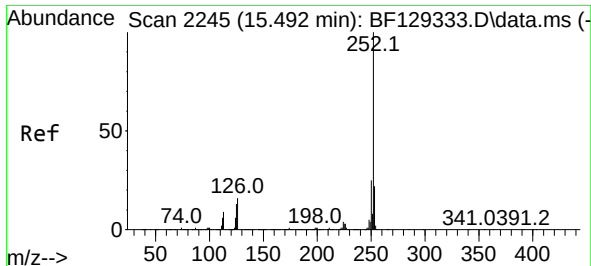
Tgt Ion:252 Resp: 145073
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 12.8 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 9.371 ng
RT: 15.080 min Scan# 2175
Delta R.T. -0.035 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

Tgt Ion:252 Resp: 145073
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 12.8 8.3 12.5#

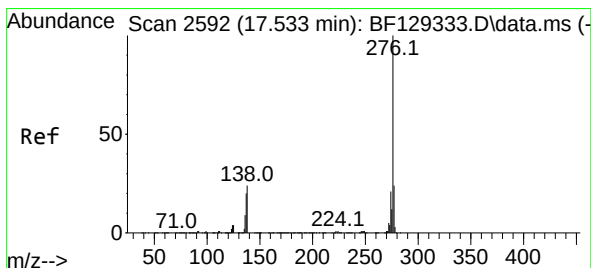
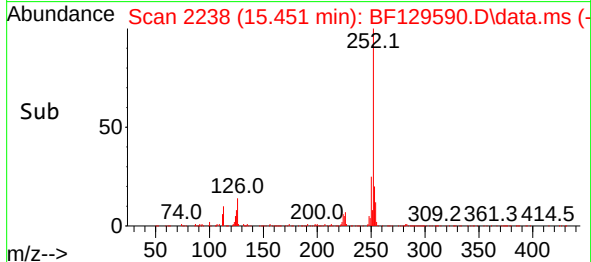
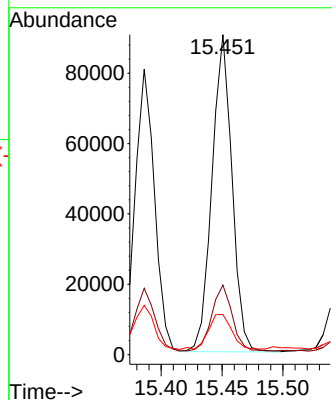
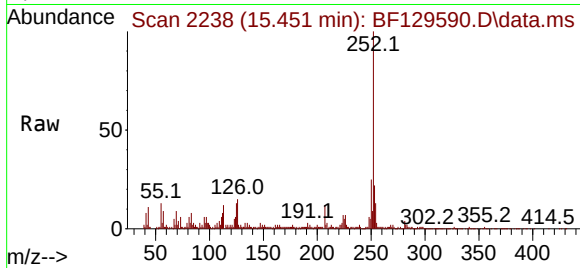




#90
Benzo(a)pyrene
Concen: 8.044 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

Instrument :
BNA_F
ClientSampleId :
RVE-123

Tgt Ion:252 Resp: 103159
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 12.6 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 5.878 ng
RT: 17.468 min Scan# 2581
Delta R.T. -0.012 min
Lab File: BF129590.D
Acq: 05 Aug 2022 02:32

Tgt Ion:276 Resp: 78397
Ion Ratio Lower Upper
276 100
277 26.2 19.1 28.7
138 23.4 18.0 27.0

