

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080522\
 Data File : BF129611.D
 Acq On : 05 Aug 2022 21:15
 Operator : CG\JU
 Sample : N3960-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-156

Quant Time: Aug 08 02:02:10 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)

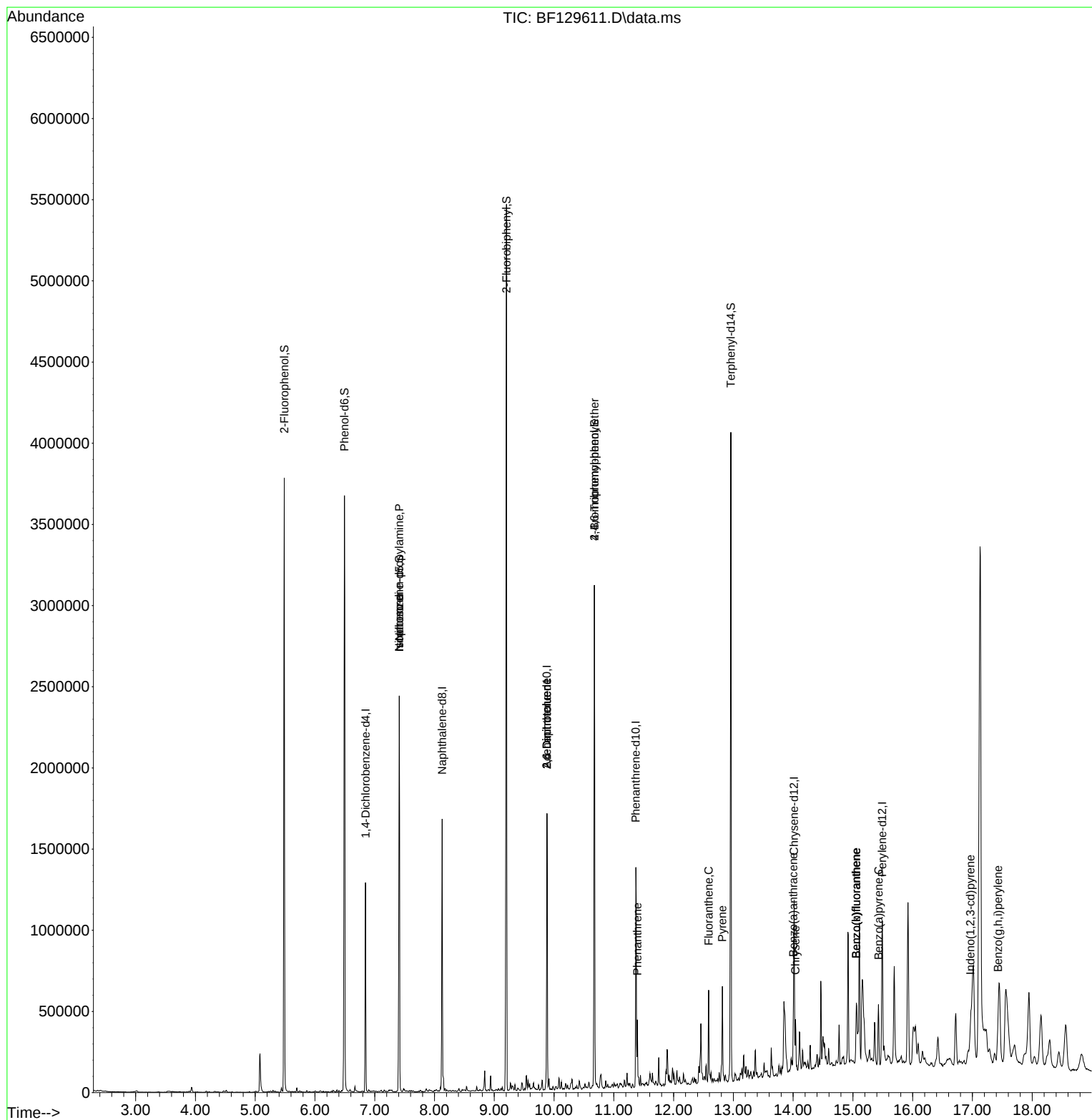
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	172752	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	679364	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	331480	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	469482	20.000	ng	#-0.01
76) Chrysene-d12	14.016	240	294980	20.000	ng	-0.01
86) Perylene-d12	15.492	264	324110	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	963075	90.815	ng	0.00
7) Phenol-d6	6.493	99	1378872	103.444	ng	-0.01
23) Nitrobenzene-d5	7.410	82	821532	66.012	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	353319	110.865	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	1610557	75.161	ng	0.00
79) Terphenyl-d14	12.957	244	1299946	83.140	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	109385	13.555	ng	# 73
25) Isophorone	7.410	82	816675	36.609	ng	# 65
51) 2,6-Dinitrotoluene	9.881	165	45543	8.892	ng	# 25
57) 2,4-Dinitrotoluene	9.881	165	45543	6.807	ng	# 21
67) 4-Bromophenyl-phenylether	10.675	248	23213	4.515	ng	# 1
71) Phenanthrene	11.392	178	131484	5.131	ng	98
75) Fluoranthene	12.586	202	187112	7.206	ng	98
78) Pyrene	12.816	202	194087	7.868	ng	98
81) Benzo(a)anthracene	14.004	228	119172	5.914	ng	98
83) Chrysene	14.039	228	121028	6.373	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	118498	5.429	ng	94
88) Benzo(b)fluoranthene	15.057	252	271817	12.643	ng	# 96
89) Benzo(k)fluoranthene	15.057	252	271817	12.902	ng	97
90) Benzo(a)pyrene	15.427	252	167052	9.572	ng	99
92) Benzo(g,h,i)perylene	17.427	276	120704	6.650	ng	98

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

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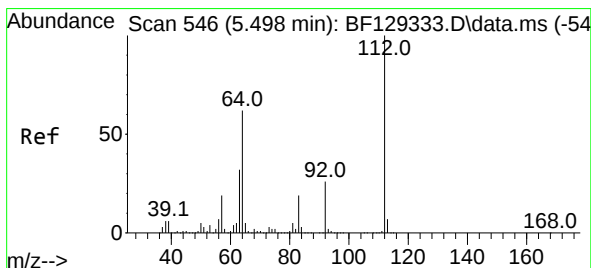
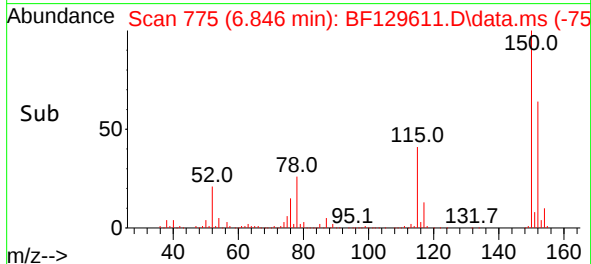
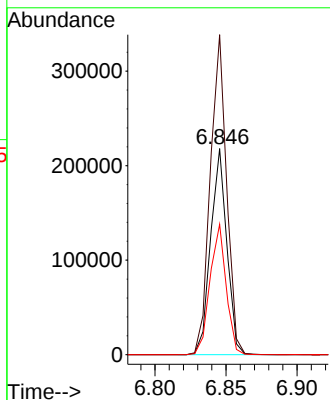
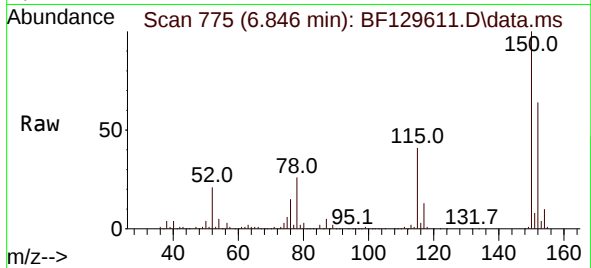




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.846 min Scan# 71
 Delta R.T. -0.005 min
 Lab File: BF129611.D
 Acq: 05 Aug 2022 21:15

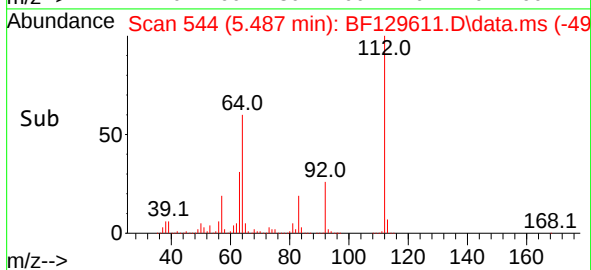
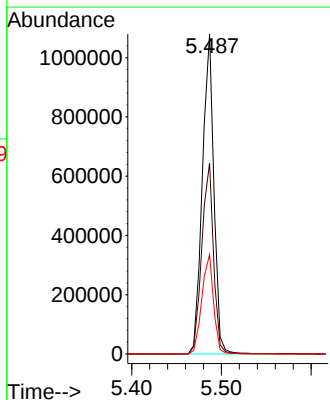
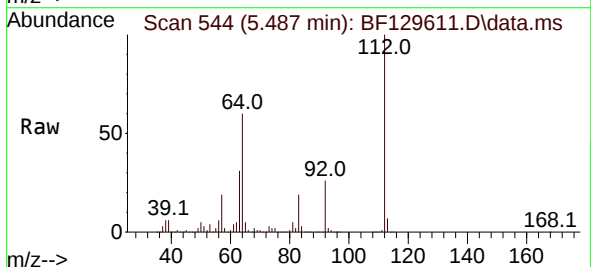
Instrument :
 BNA_F
 ClientSampleId :
 RVE-156

Tgt Ion:152 Resp: 172752
 Ion Ratio Lower Upper
 152 100
 150 155.3 123.7 185.5
 115 63.3 49.9 74.9



#5
 2-Fluorophenol
 Concen: 90.815 ng
 RT: 5.487 min Scan# 544
 Delta R.T. 0.006 min
 Lab File: BF129611.D
 Acq: 05 Aug 2022 21:15

Tgt Ion:112 Resp: 963075
 Ion Ratio Lower Upper
 112 100
 64 59.7 53.3 79.9
 63 31.1 28.0 42.0



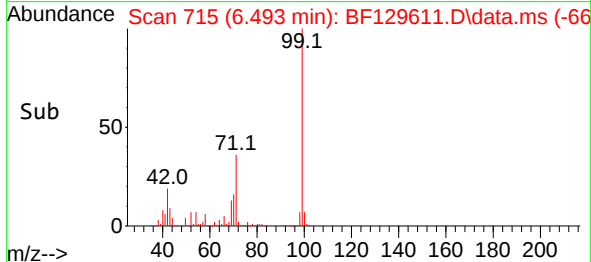
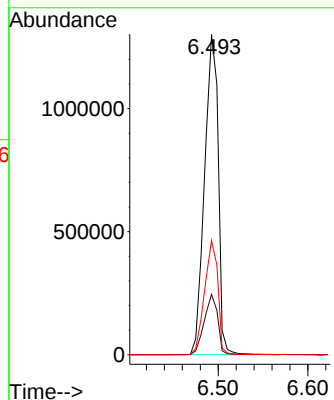
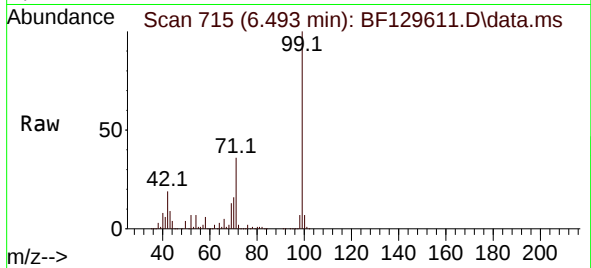


#7
Phenol-d6
Concen: 103.444 ng
RT: 6.493 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

Instrument :
BNA_F
ClientSampleId :
RVE-156

Tgt Ion: 99 Resp: 1378872

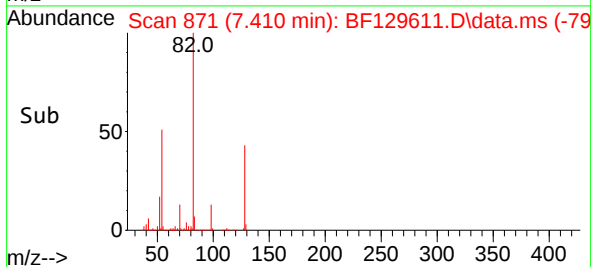
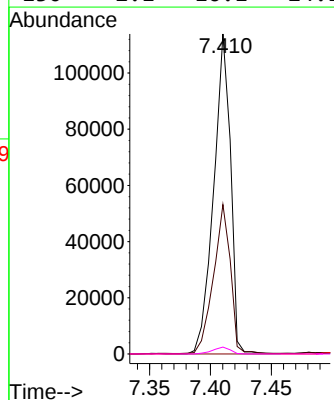
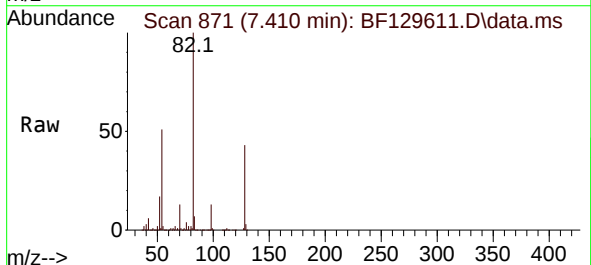
Ion	Ratio	Lower	Upper
99	100		
42	18.9	17.3	25.9
71	35.7	28.9	43.3



#19
n-Nitroso-di-n-propylamine
Concen: 13.555 ng
RT: 7.410 min Scan# 871
Delta R.T. 0.141 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

Tgt Ion: 70 Resp: 109385

Ion	Ratio	Lower	Upper
70	100		
42	46.7	52.3	78.5#
101	0.0	7.5	11.3#
130	2.1	16.1	24.1#



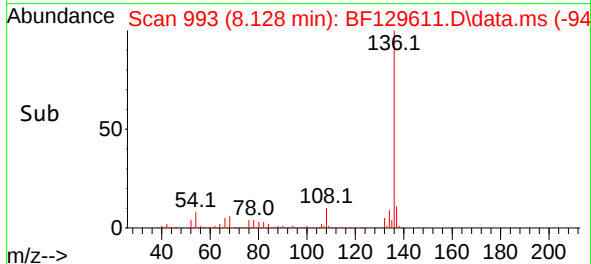
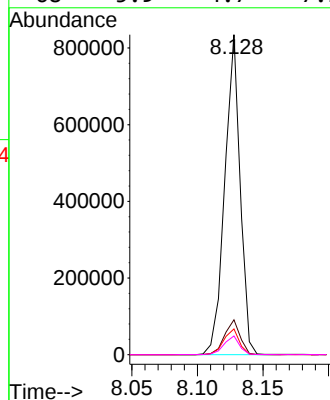
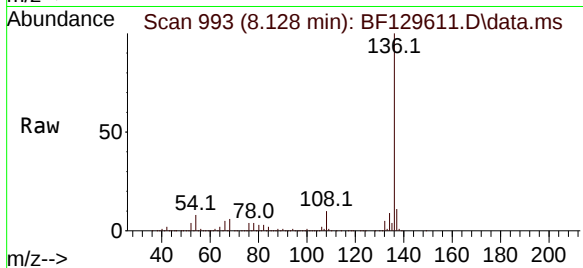


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

Instrument :
BNA_F
ClientSampleId :
RVE-156

Tgt Ion:136 Resp: 679364

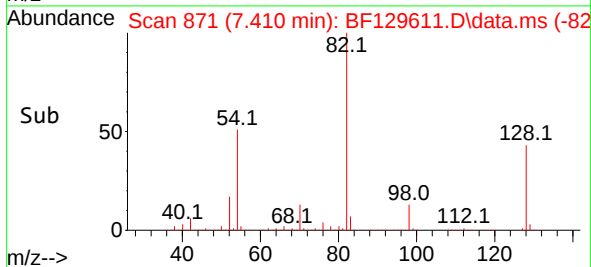
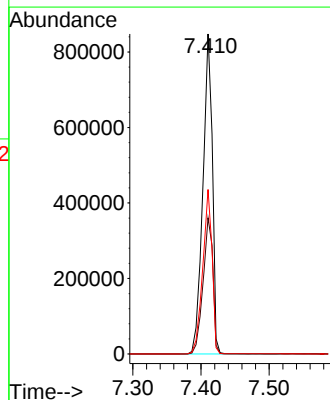
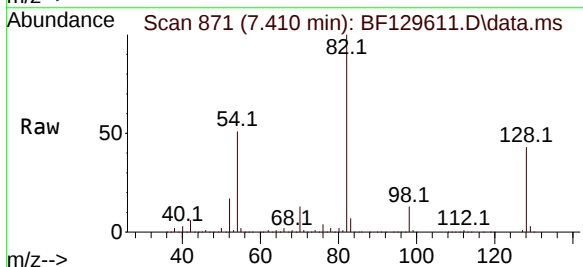
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.1	7.5	11.3
68	5.9	4.7	7.1



#23
Nitrobenzene-d5
Concen: 66.012 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

Tgt Ion: 82 Resp: 821532

Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.0	51.0
54	51.4	46.9	70.3

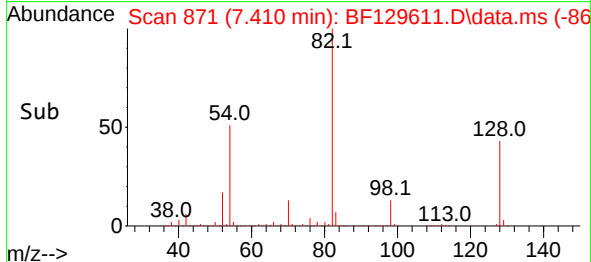
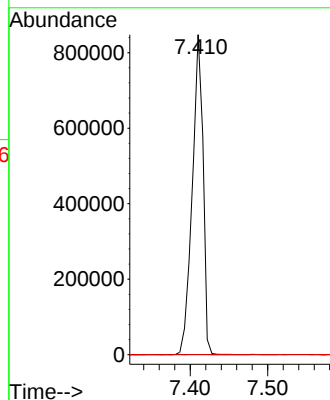
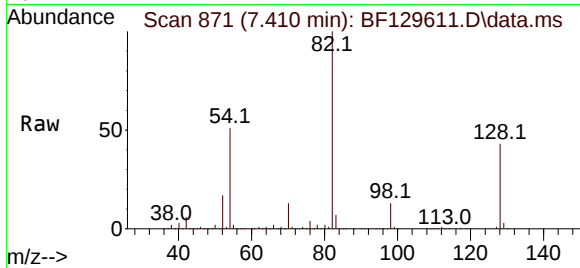




#25
Isophorone
Concen: 36.609 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

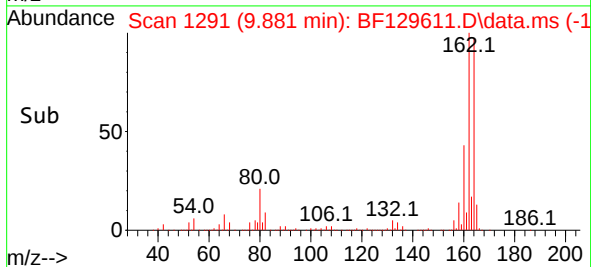
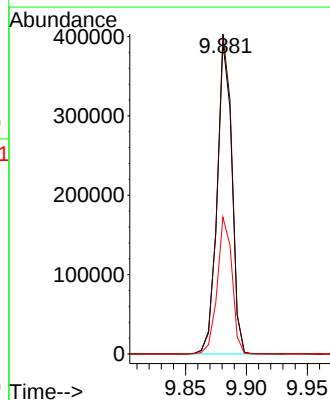
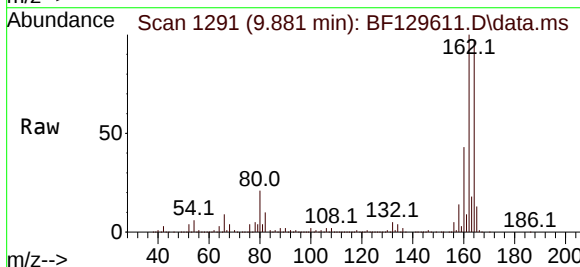
Instrument :
BNA_F
ClientSampleId :
RVE-156

Tgt Ion: 82 Resp: 816675
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: BF129611.D
Acq: 05 Aug 2022 21:15

Tgt Ion:164 Resp: 331480
Ion Ratio Lower Upper
164 100
162 102.7 79.5 119.3
160 43.9 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 110.865 ng

RT: 10.675 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF129611.D

Acq: 05 Aug 2022 21:15

Instrument :

BNA_F

ClientSampleId :

RVE-156

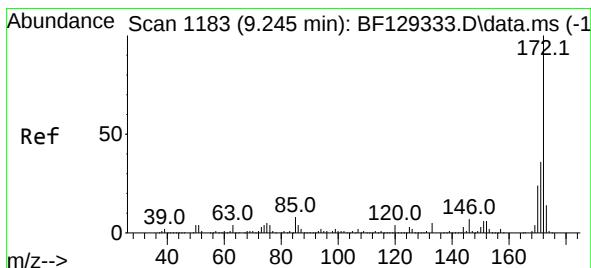
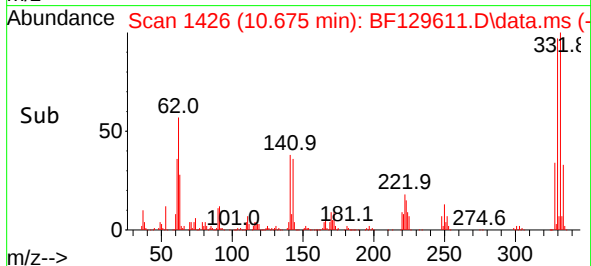
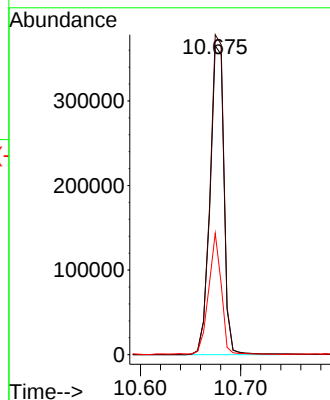
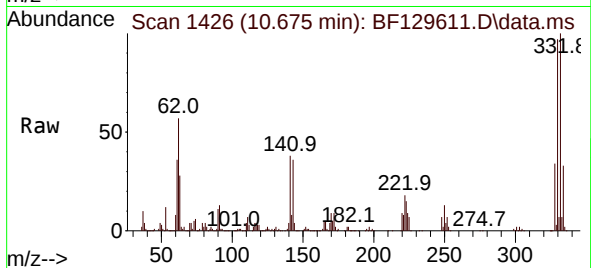
Tgt Ion:330 Resp: 353319

Ion Ratio Lower Upper

330 100

332 103.6 76.8 115.2

141 35.6 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 75.161 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF129611.D

Acq: 05 Aug 2022 21:15

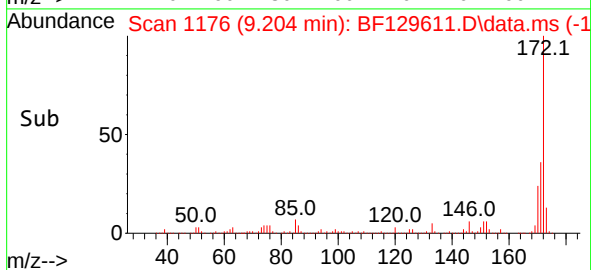
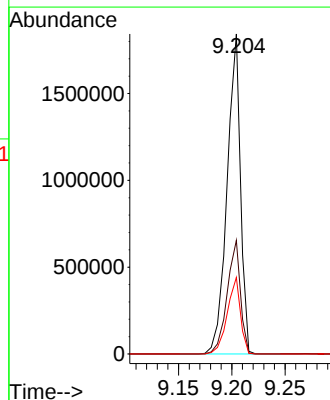
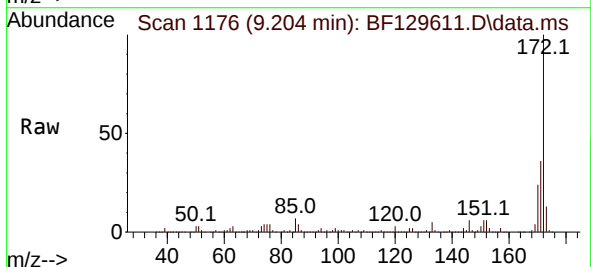
Tgt Ion:172 Resp: 1610557

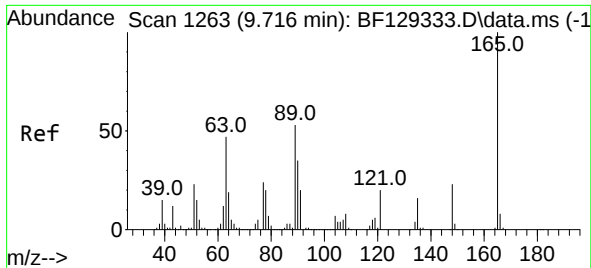
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.9 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.892 ng

RT: 9.881 min Scan# 1291

Delta R.T. 0.200 min

Lab File: BF129611.D

Acq: 05 Aug 2022 21:15

Instrument :

BNA_F

ClientSampleId :

RVE-156

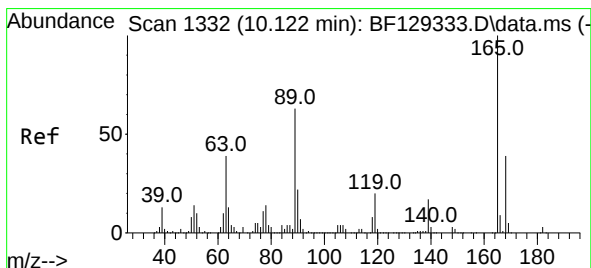
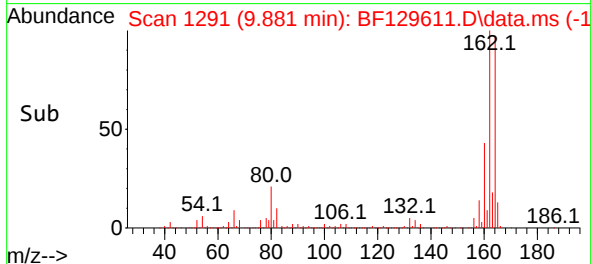
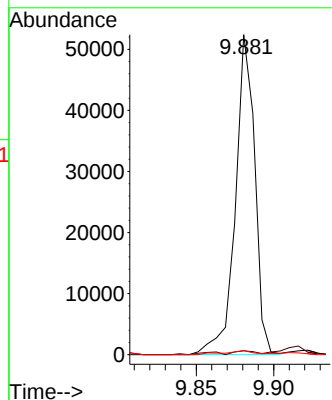
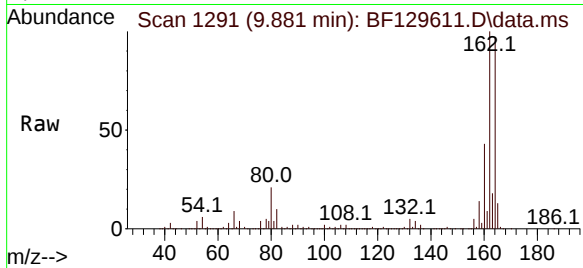
Tgt Ion:165 Resp: 45543

Ion Ratio Lower Upper

165 100

63 1.2 44.9 67.3#

89 1.3 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.807 ng

RT: 9.881 min Scan# 1291

Delta R.T. -0.206 min

Lab File: BF129611.D

Acq: 05 Aug 2022 21:15

Tgt Ion:165 Resp: 45543

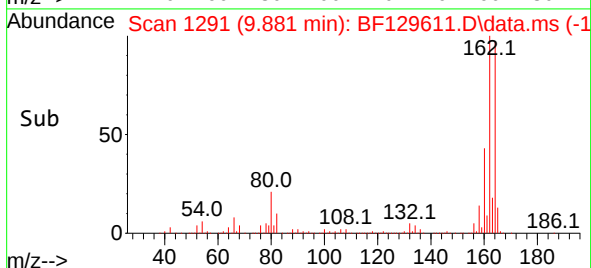
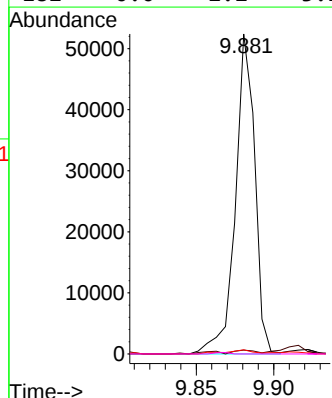
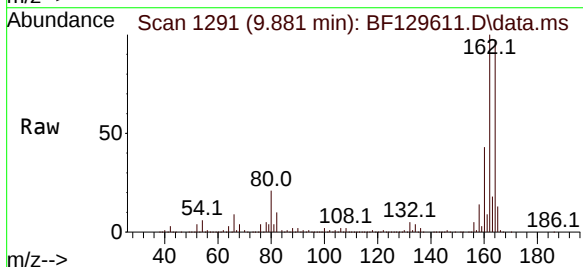
Ion Ratio Lower Upper

165 100

63 1.2 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# 1

Delta R.T. -0.012 min

Lab File: BF129611.D

Acq: 05 Aug 2022 21:15

Instrument :

BNA_F

ClientSampleId :

RVE-156

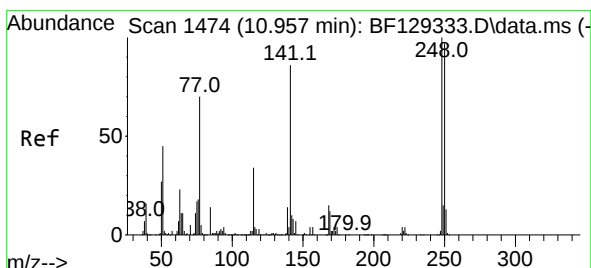
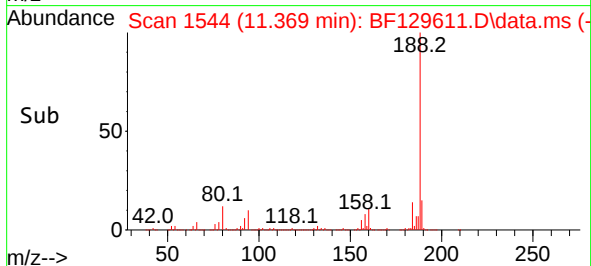
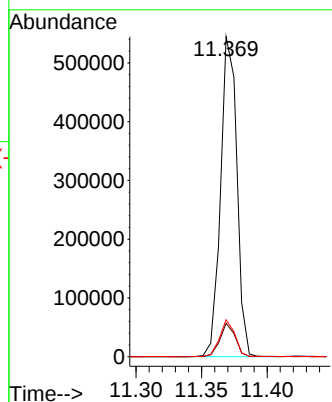
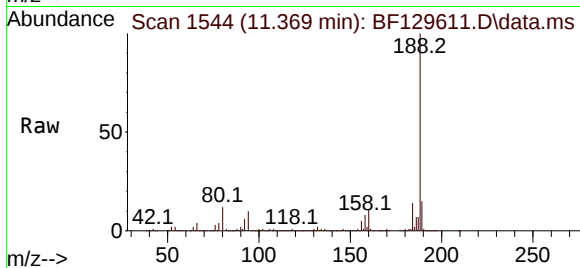
Tgt Ion:188 Resp: 469482

Ion Ratio Lower Upper

188 100

94 10.4 7.0 10.6

80 11.5 7.6 11.4#



#67

4-Bromophenyl-phenylether

Concen: 4.515 ng

RT: 10.675 min Scan# 1426

Delta R.T. -0.247 min

Lab File: BF129611.D

Acq: 05 Aug 2022 21:15

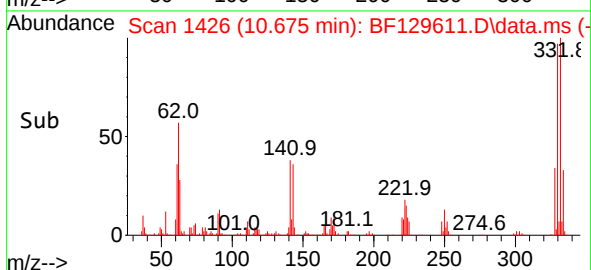
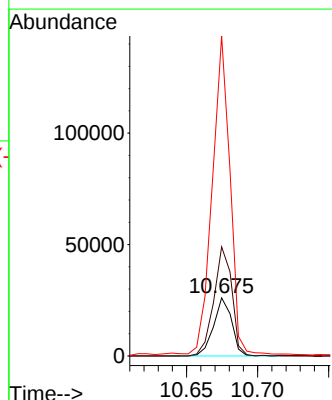
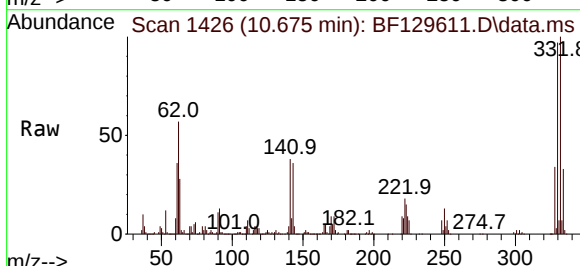
Tgt Ion:248 Resp: 23213

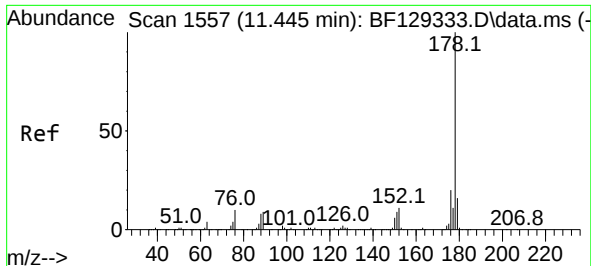
Ion Ratio Lower Upper

248 100

250 187.7 80.6 120.8#

141 550.5 58.9 88.3#

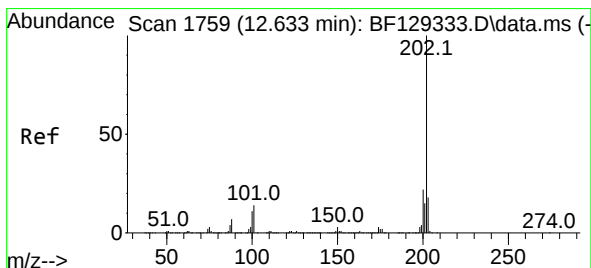
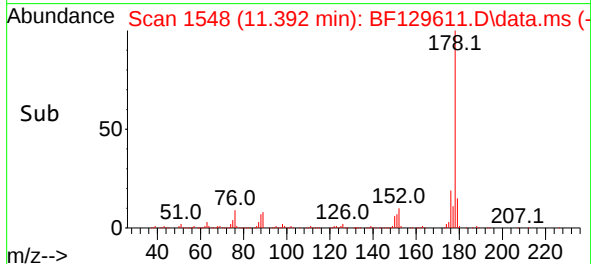
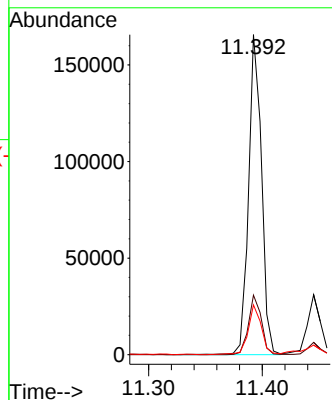
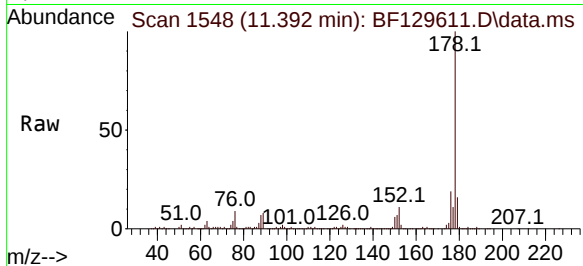




#71
Phenanthrene
Concen: 5.131 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

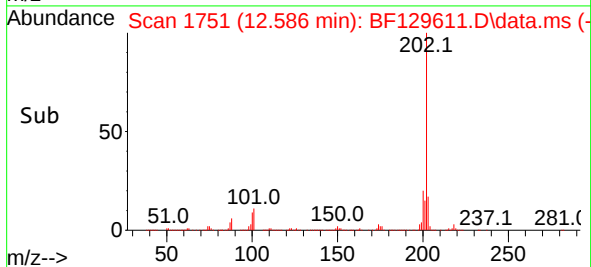
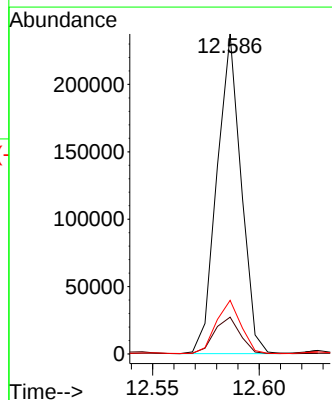
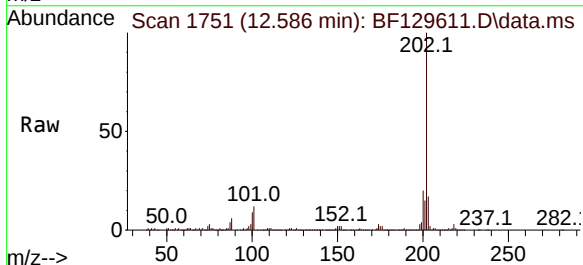
Instrument :
BNA_F
ClientSampleId :
RVE-156

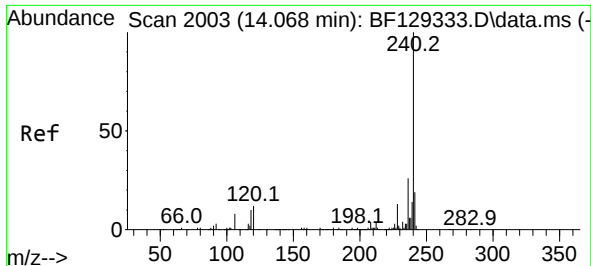
Tgt Ion:178 Resp: 131484
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.6 12.6 19.0



#75
Fluoranthene
Concen: 7.206 ng
RT: 12.586 min Scan# 1751
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

Tgt Ion:202 Resp: 187112
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.4
203 16.7 0.0 38.0

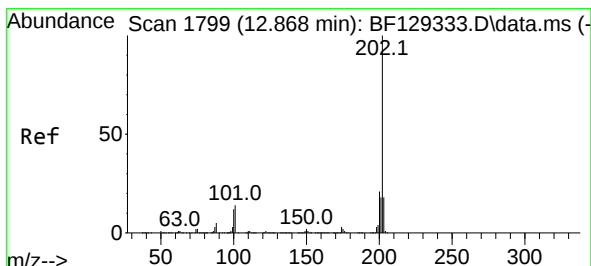
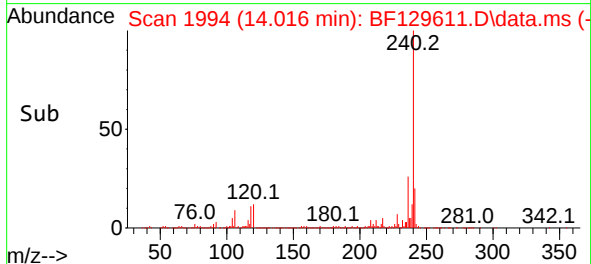
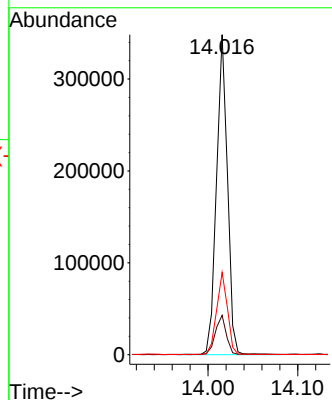
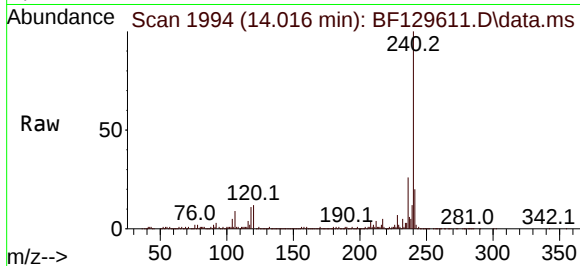




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

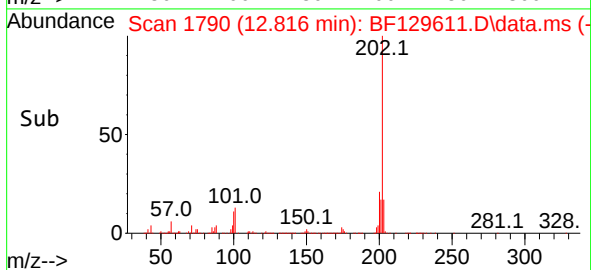
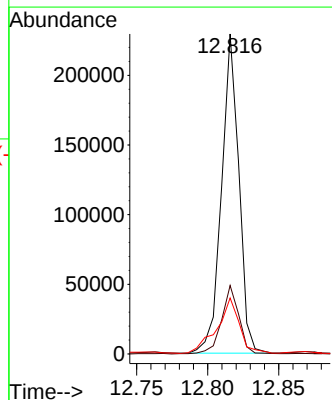
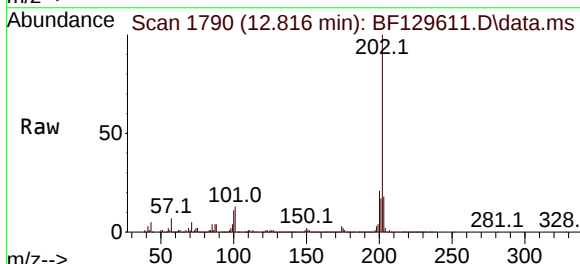
Instrument :
BNA_F
ClientSampleId :
RVE-156

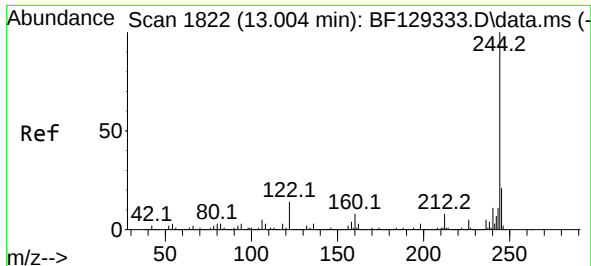
Tgt Ion:240 Resp: 294980
Ion Ratio Lower Upper
240 100
120 12.3 8.9 13.3
236 25.7 20.8 31.2



#78
Pyrene
Concen: 7.868 ng
RT: 12.816 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

Tgt Ion:202 Resp: 194087
Ion Ratio Lower Upper
202 100
200 21.4 17.7 26.5
203 17.5 14.6 21.8

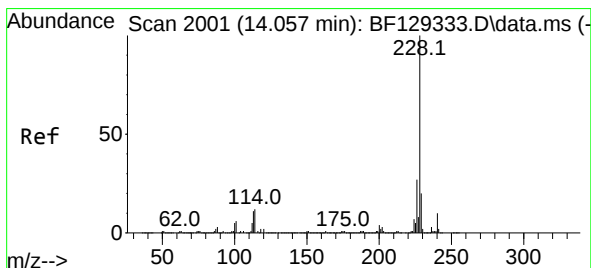
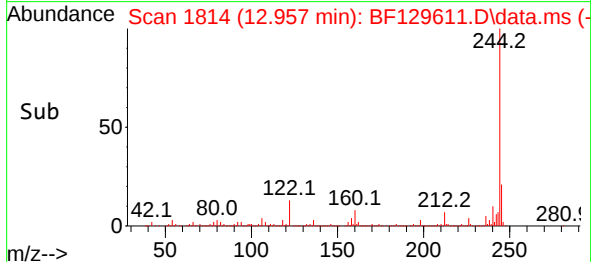
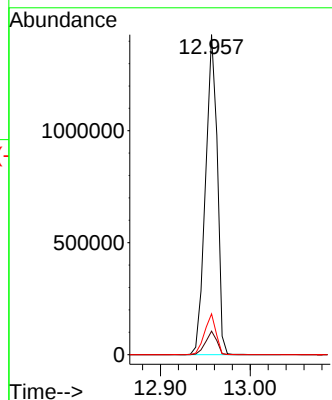
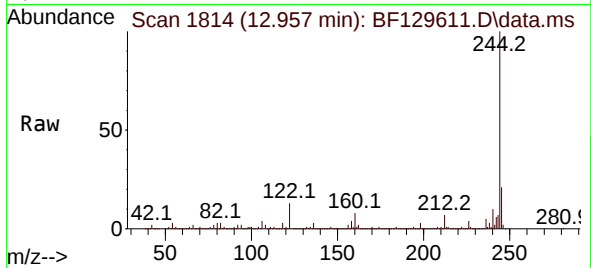




#79
 Terphenyl-d14
 Concen: 83.140 ng
 RT: 12.957 min Scan# 1814
 Delta R.T. -0.012 min
 Lab File: BF129611.D
 Acq: 05 Aug 2022 21:15

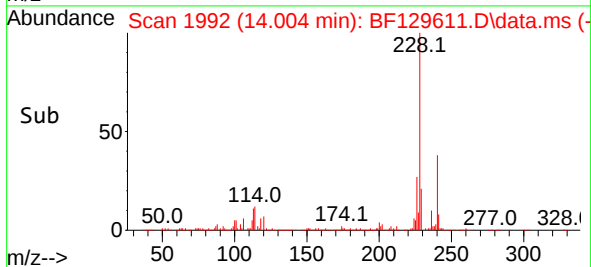
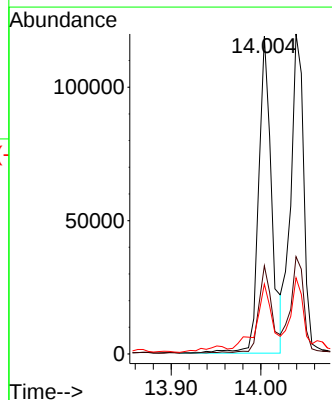
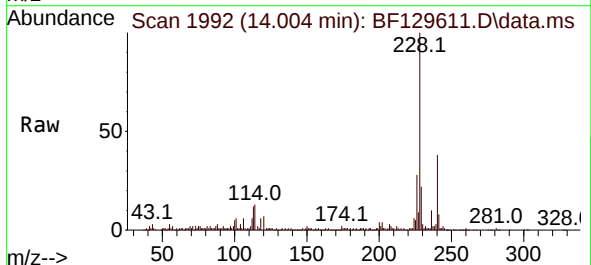
Instrument :
 BNA_F
 ClientSampleId :
 RVE-156

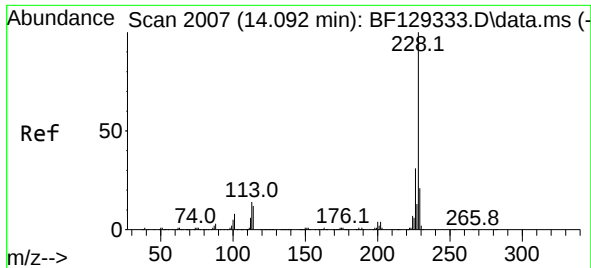
Tgt Ion:244 Resp: 1299946
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 12.8 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 5.914 ng
 RT: 14.004 min Scan# 1992
 Delta R.T. -0.012 min
 Lab File: BF129611.D
 Acq: 05 Aug 2022 21:15

Tgt Ion:228 Resp: 119172
 Ion Ratio Lower Upper
 228 100
 226 27.8 22.1 33.1
 229 22.0 15.8 23.8

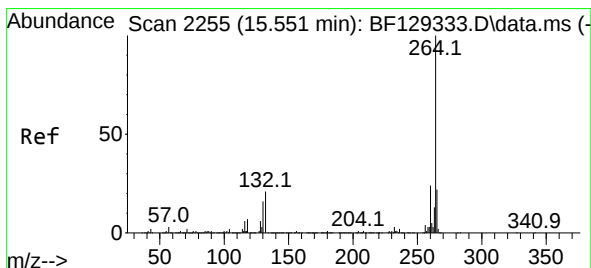
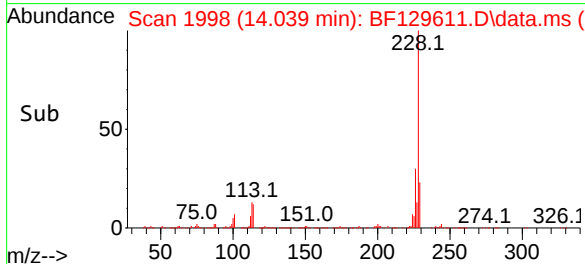
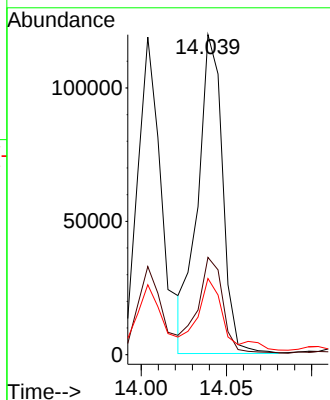
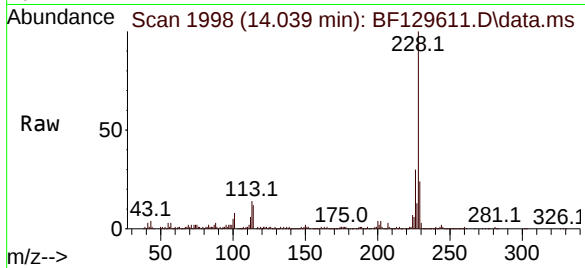




#83
Chrysene
Concen: 6.373 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

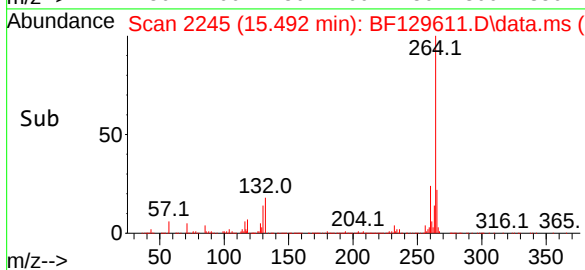
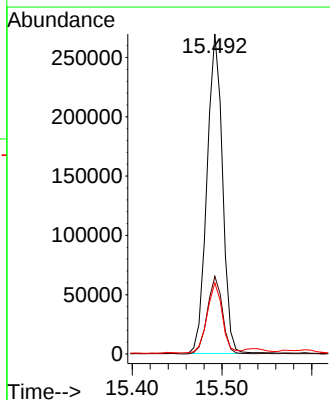
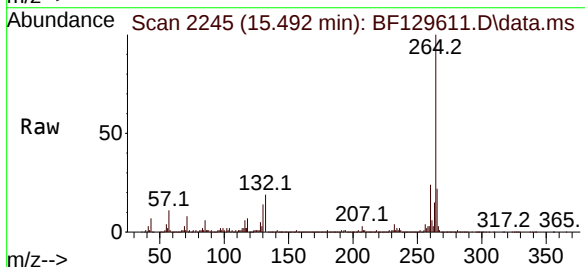
Instrument :
BNA_F
ClientSampleId :
RVE-156

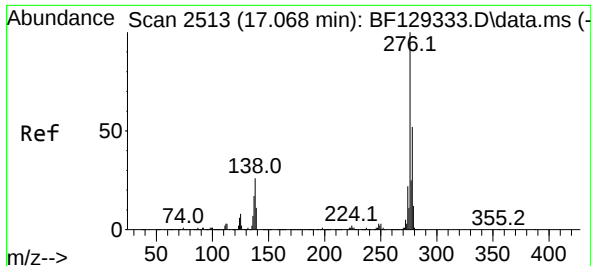
Tgt Ion:228 Resp: 121028
Ion Ratio Lower Upper
228 100
226 30.4 24.3 36.5
229 23.8 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2245
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

Tgt Ion:264 Resp: 324110
Ion Ratio Lower Upper
264 100
260 24.2 18.4 27.6
265 22.2 17.2 25.8

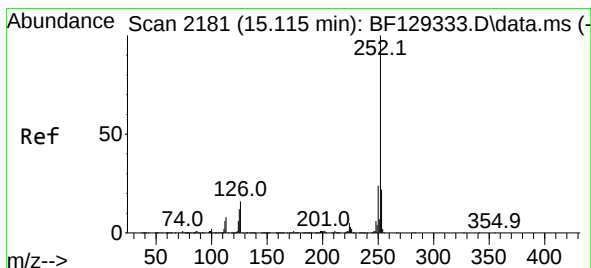
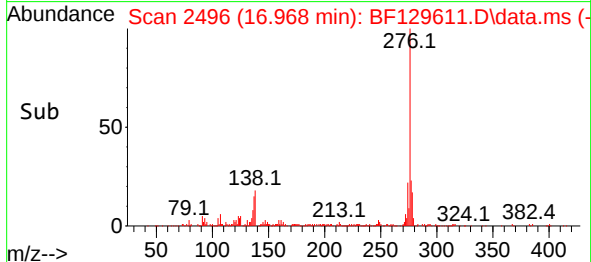
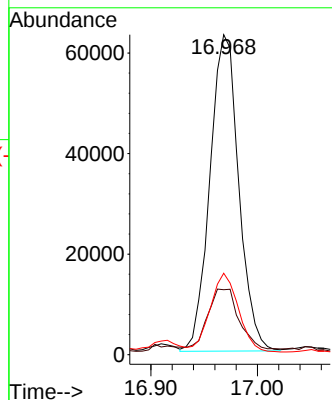
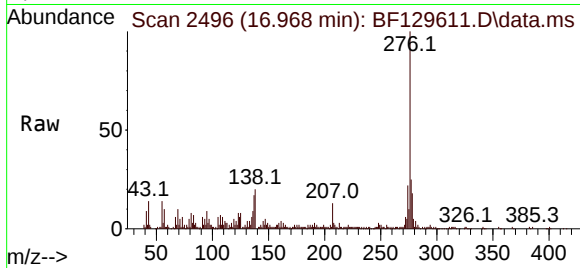




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.429 ng
RT: 16.968 min Scan# 2496
Delta R.T. -0.029 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

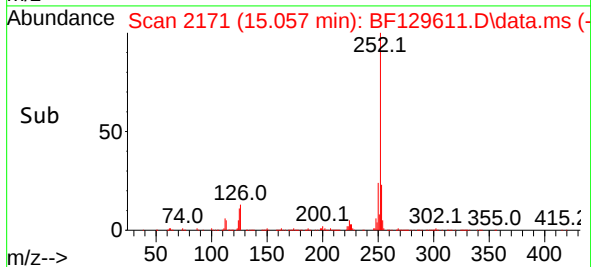
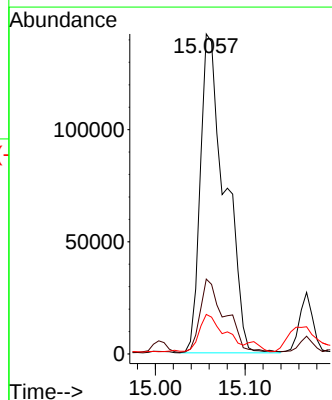
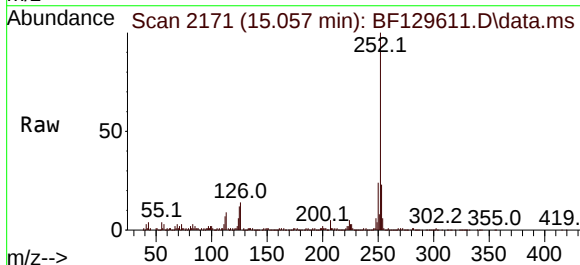
Instrument :
BNA_F
ClientSampleId :
RVE-156

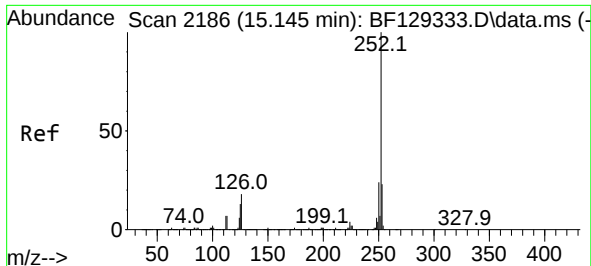
Tgt Ion:276 Resp: 118498
Ion Ratio Lower Upper
276 100
138 21.3 21.1 31.7
277 24.4 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 12.643 ng
RT: 15.057 min Scan# 2171
Delta R.T. -0.012 min
Lab File: BF129611.D
Acq: 05 Aug 2022 21:15

Tgt Ion:252 Resp: 271817
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 12.3 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 12.902 ng

RT: 15.057 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF129611.D

Acq: 05 Aug 2022 21:15

Instrument :

BNA_F

ClientSampleId :

RVE-156

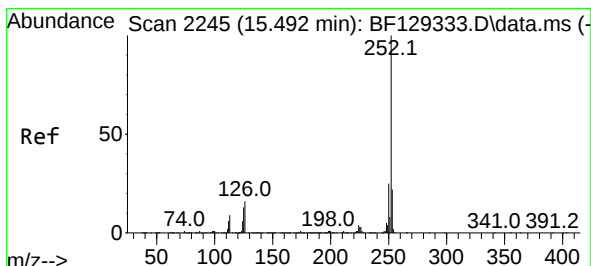
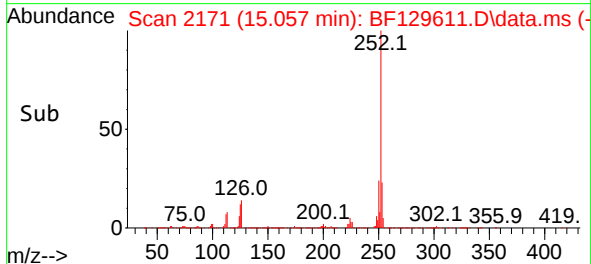
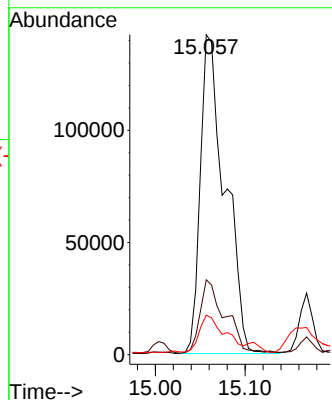
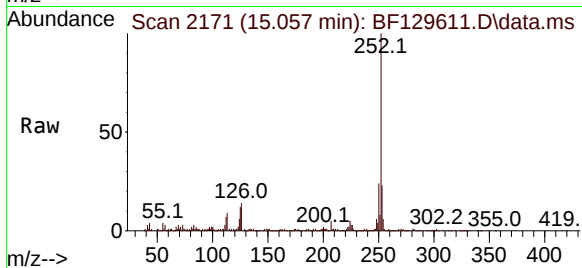
Tgt Ion:252 Resp: 271817

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.6

125 12.3 8.3 12.5



#90

Benzo(a)pyrene

Concen: 9.572 ng

RT: 15.427 min Scan# 2234

Delta R.T. -0.012 min

Lab File: BF129611.D

Acq: 05 Aug 2022 21:15

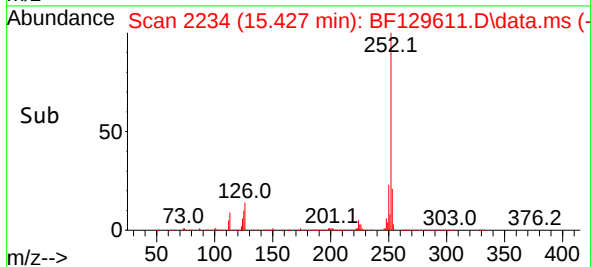
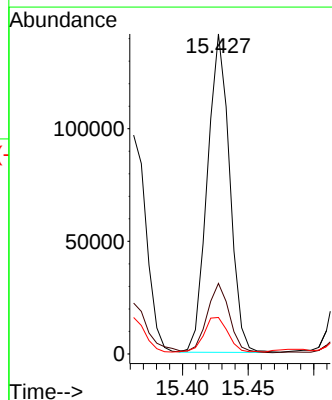
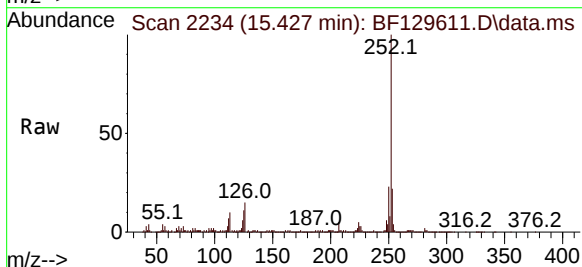
Tgt Ion:252 Resp: 167052

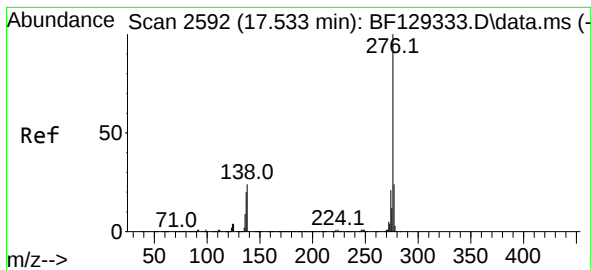
Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.6

125 11.4 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 6.650 ng

RT: 17.427 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF129611.D

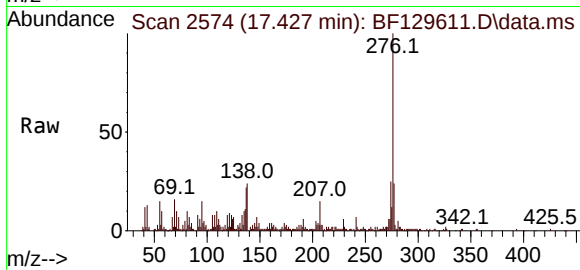
Acq: 05 Aug 2022 21:15

Instrument :

BNA_F

ClientSampleId :

RVE-156



Tgt Ion:276 Resp: 120704

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 24.4 18.0 27.0

