

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080522\
 Data File : BF129609.D
 Acq On : 05 Aug 2022 20:06
 Operator : CG\JU
 Sample : N3960-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-152

Quant Time: Aug 08 02:01:08 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

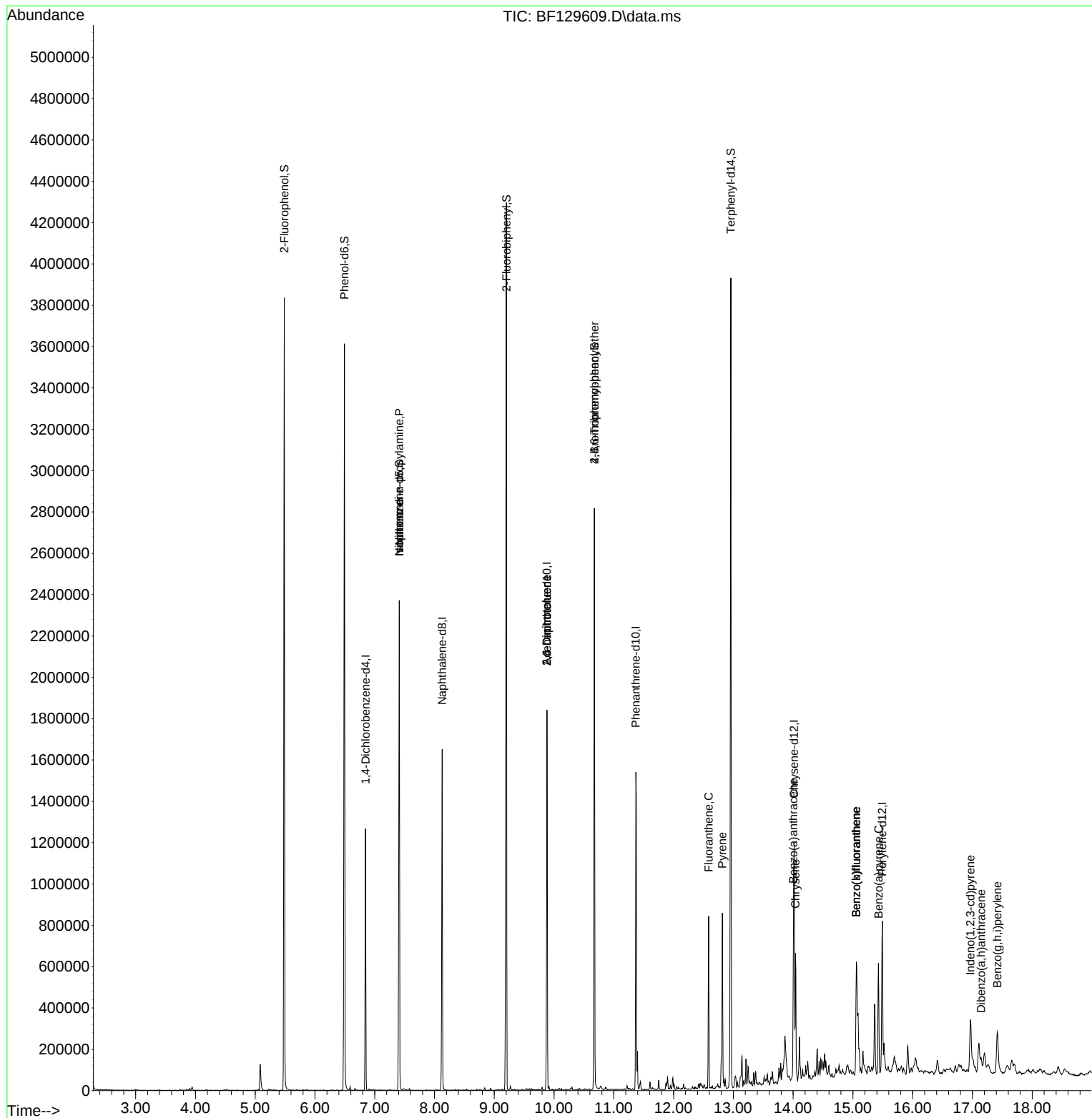
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	174369	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	695114	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	359042	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	565743	20.000	ng	#-0.01
76) Chrysene-d12	14.016	240	288573	20.000	ng	-0.01
86) Perylene-d12	15.492	264	294003	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	970513	90.668	ng	0.00
7) Phenol-d6	6.493	99	1215819	90.366	ng	-0.01
23) Nitrobenzene-d5	7.410	82	785007	61.648	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	302220	87.551	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	1436435	61.889	ng	0.00
79) Terphenyl-d14	12.957	244	1223220	79.969	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.410	70	103972	12.765	ng	# 72
25) Isophorone	7.410	82	778786	34.120	ng	# 65
51) 2,6-Dinitrotoluene	9.881	165	46520	8.386	ng	# 25
57) 2,4-Dinitrotoluene	9.881	165	46520	6.419	ng	# 21
67) 4-Bromophenyl-phenylether	10.675	248	19083	3.080	ng	# 1
75) Fluoranthene	12.586	202	296719	9.483	ng	98
78) Pyrene	12.816	202	309298	12.817	ng	99
81) Benzo(a)anthracene	14.004	228	226841	11.508	ng	100
83) Chrysene	14.039	228	222801	11.993	ng	99
87) Indeno(1,2,3-cd)pyrene	16.968	276	164159	8.292	ng	95
88) Benzo(b)fluoranthene	15.057	252	415768	21.319	ng	99
89) Benzo(k)fluoranthene	15.057	252	415768	21.755	ng	99
90) Benzo(a)pyrene	15.427	252	247286	15.620	ng	99
91) Dibenzo(a,h)anthracene	17.145	278	43450	2.696	ng	95
92) Benzo(g,h,i)perylene	17.415	276	160004	9.717	ng	99

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

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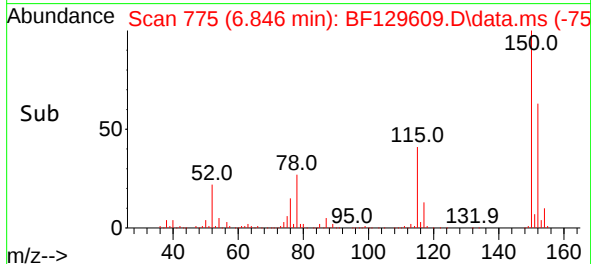
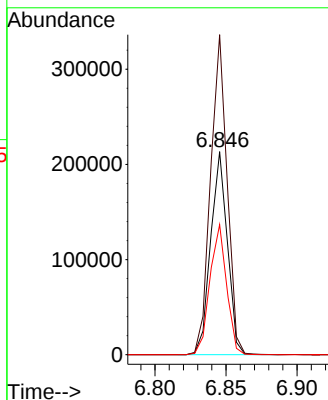
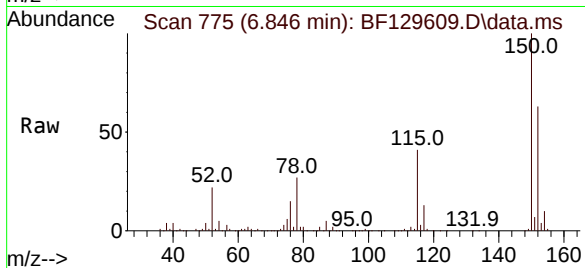




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF129609.D
Acq: 05 Aug 2022 20:06

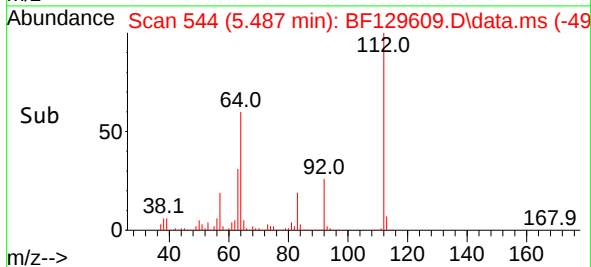
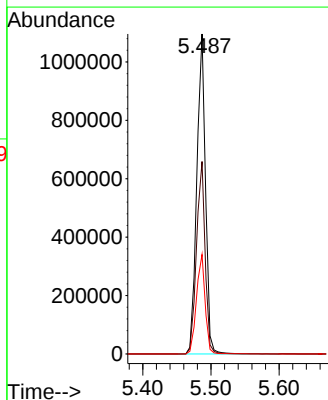
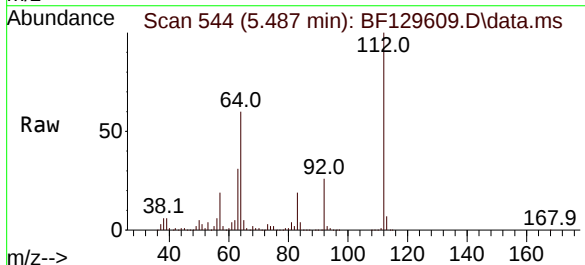
Instrument :
BNA_F
ClientSampleId :
RVE-152

Tgt Ion:152 Resp: 174369
Ion Ratio Lower Upper
152 100
150 157.6 123.7 185.5
115 64.1 49.9 74.9



#5
2-Fluorophenol
Concen: 90.668 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.006 min
Lab File: BF129609.D
Acq: 05 Aug 2022 20:06

Tgt Ion:112 Resp: 970513
Ion Ratio Lower Upper
112 100
64 60.2 53.3 79.9
63 31.1 28.0 42.0

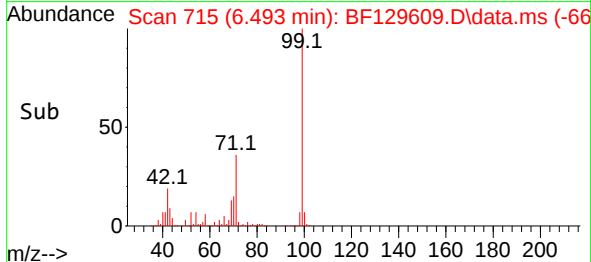
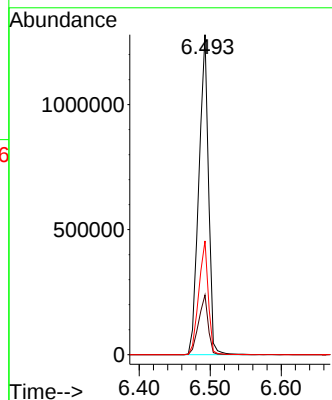
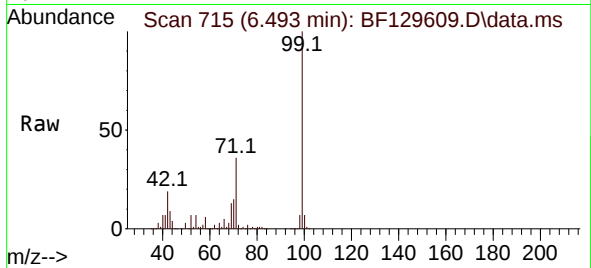




#7
Phenol-d6
Concen: 90.366 ng
RT: 6.493 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF129609.D
Acq: 05 Aug 2022 20:06

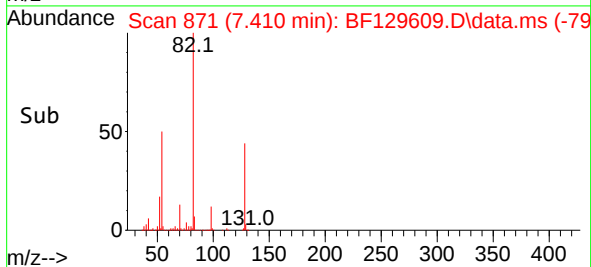
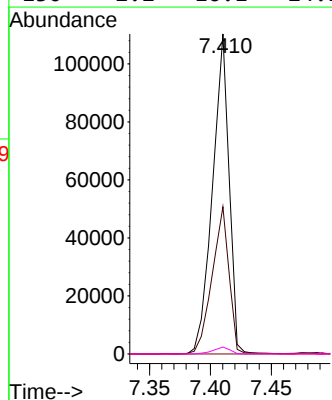
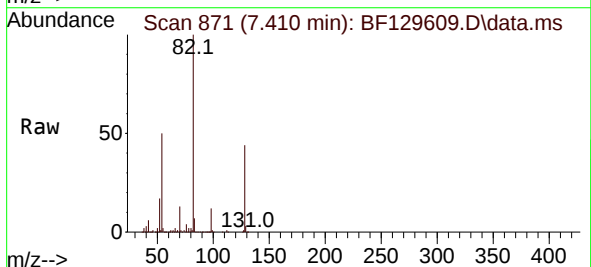
Instrument :
BNA_F
ClientSampleId :
RVE-152

Tgt Ion: 99 Resp: 1215819
Ion Ratio Lower Upper
99 100
42 18.7 17.3 25.9
71 35.6 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 12.765 ng
RT: 7.410 min Scan# 871
Delta R.T. 0.141 min
Lab File: BF129609.D
Acq: 05 Aug 2022 20:06

Tgt Ion: 70 Resp: 103972
Ion Ratio Lower Upper
70 100
42 46.0 52.3 78.5#
101 0.0 7.5 11.3#
130 2.2 16.1 24.1#



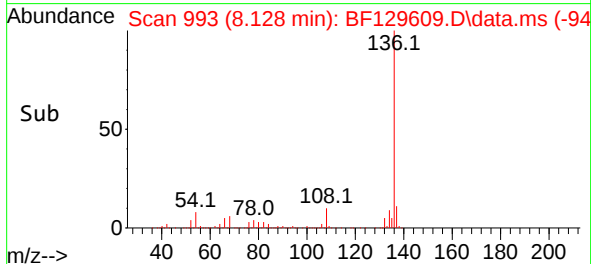
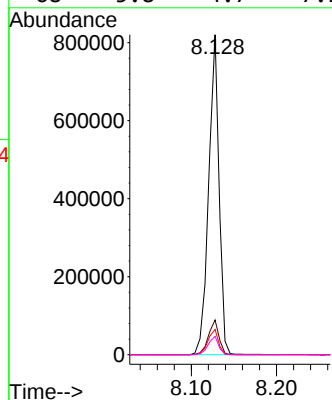
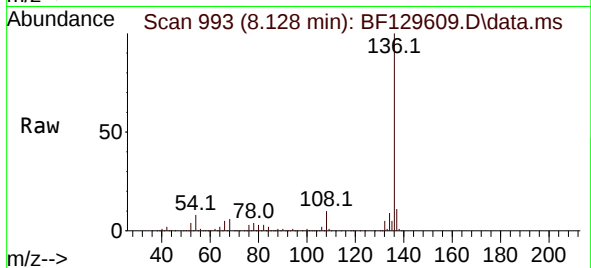


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129609.D
Acq: 05 Aug 2022 20:06

Instrument :
BNA_F
ClientSampleId :
RVE-152

Tgt Ion:136 Resp: 695114

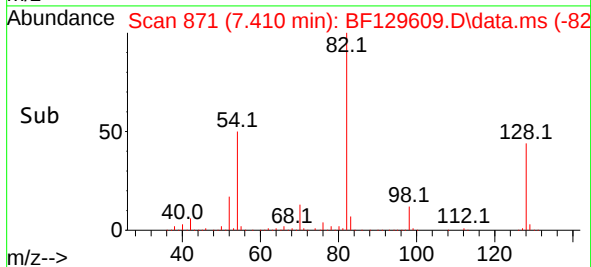
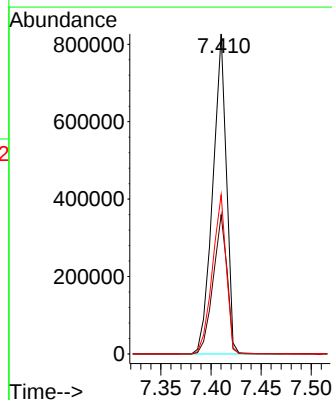
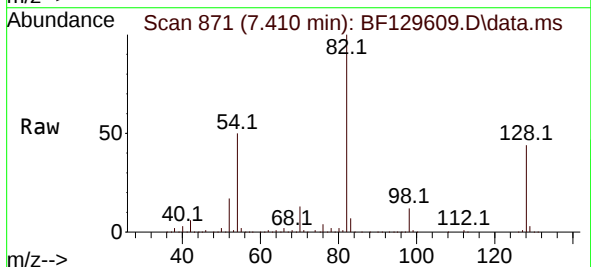
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.9	7.5	11.3
68	5.8	4.7	7.1



#23
Nitrobenzene-d5
Concen: 61.648 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.012 min
Lab File: BF129609.D
Acq: 05 Aug 2022 20:06

Tgt Ion: 82 Resp: 785007

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.0	51.0
54	49.7	46.9	70.3

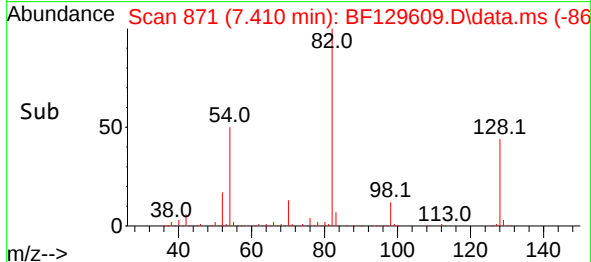
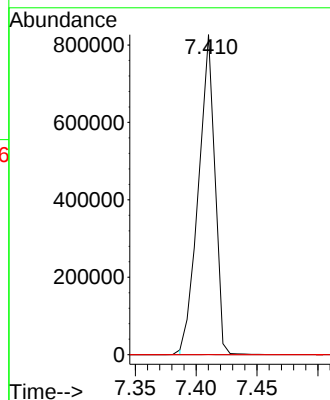
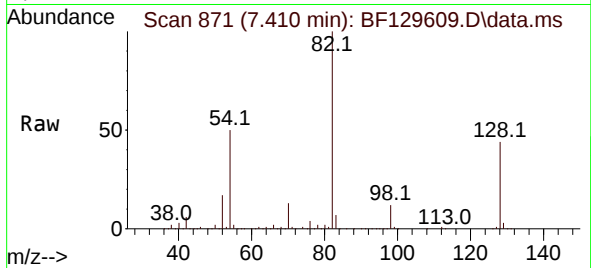




#25
Isophorone
Concen: 34.120 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF129609.D
Acq: 05 Aug 2022 20:06

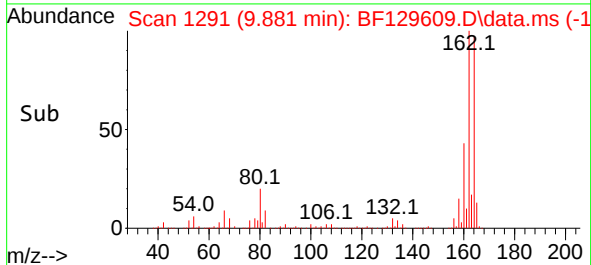
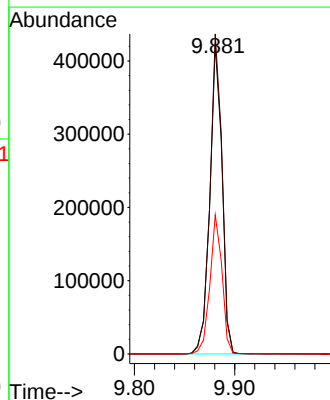
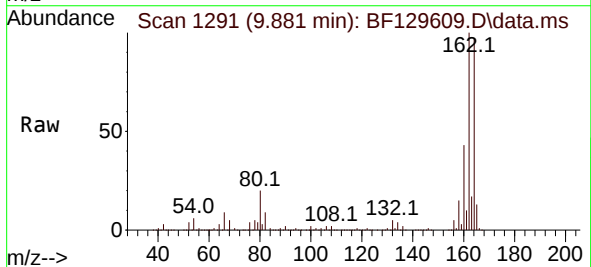
Instrument :
BNA_F
ClientSampleId :
RVE-152

Tgt Ion: 82 Resp: 778786
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: BF129609.D
Acq: 05 Aug 2022 20:06

Tgt Ion:164 Resp: 359042
Ion Ratio Lower Upper
164 100
162 103.5 79.5 119.3
160 44.9 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 87.551 ng

RT: 10.675 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF129609.D

Acq: 05 Aug 2022 20:06

Instrument :

BNA_F

ClientSampleId :

RVE-152

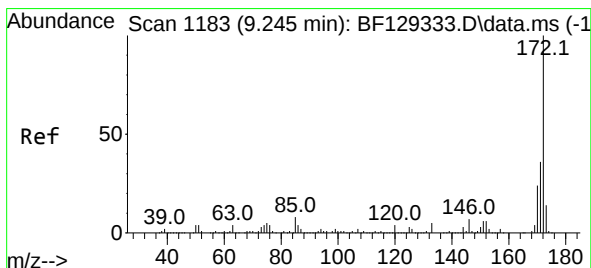
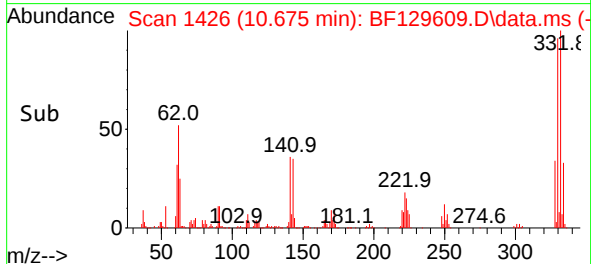
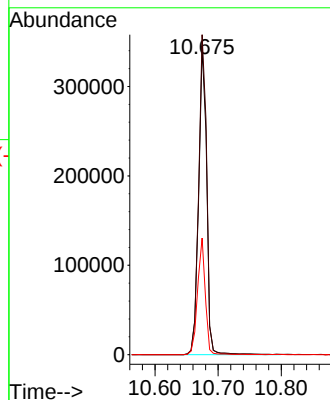
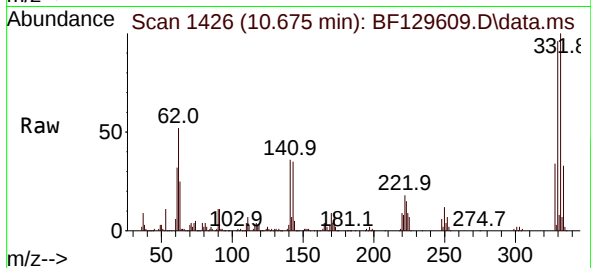
Tgt Ion:330 Resp: 302220

Ion Ratio Lower Upper

330 100

332 103.6 76.8 115.2

141 36.8 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 61.889 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF129609.D

Acq: 05 Aug 2022 20:06

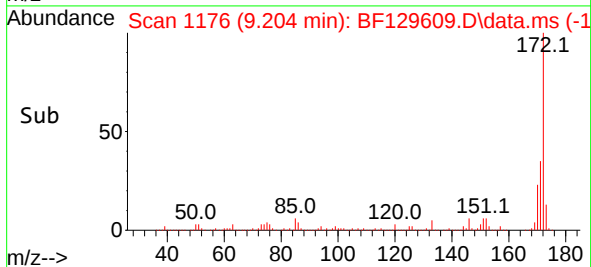
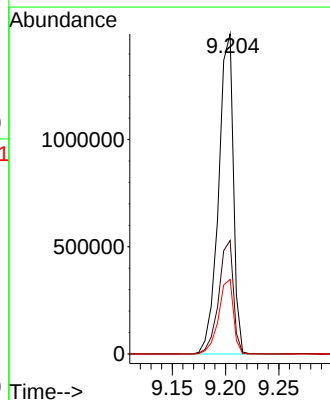
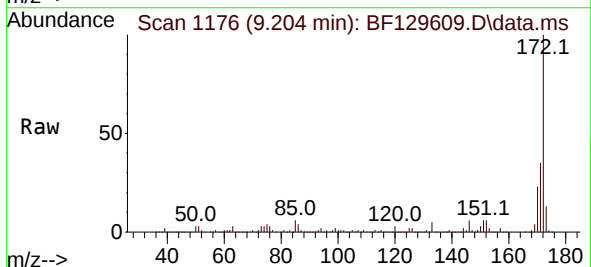
Tgt Ion:172 Resp: 1436435

Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.3 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.386 ng

RT: 9.881 min Scan# 1291

Delta R.T. 0.200 min

Lab File: BF129609.D

Acq: 05 Aug 2022 20:06

Instrument :

BNA_F

ClientSampleId :

RVE-152

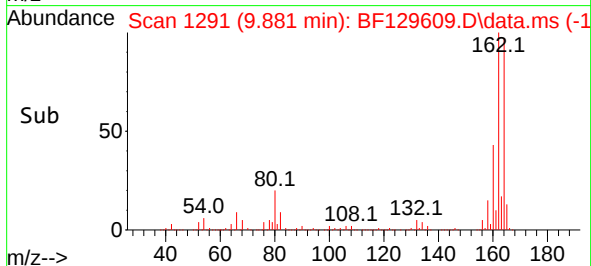
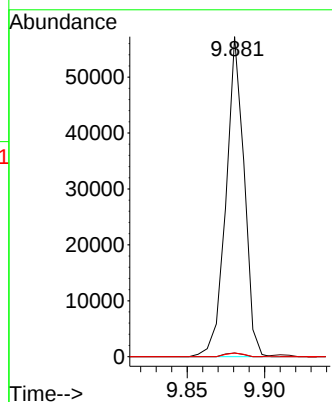
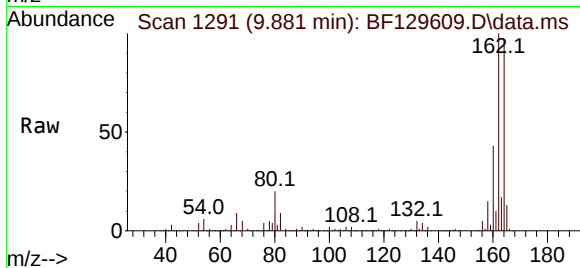
Tgt Ion:165 Resp: 46520

Ion Ratio Lower Upper

165 100

63 1.1 44.9 67.3#

89 1.1 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.419 ng

RT: 9.881 min Scan# 1291

Delta R.T. -0.206 min

Lab File: BF129609.D

Acq: 05 Aug 2022 20:06

Tgt Ion:165 Resp: 46520

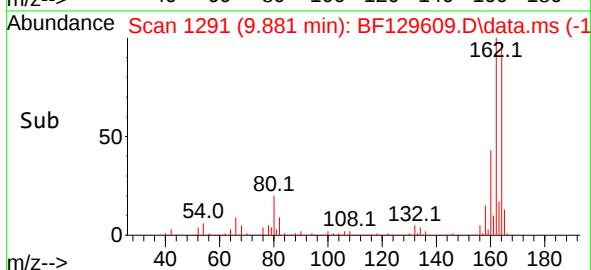
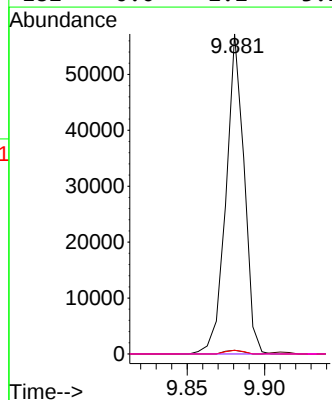
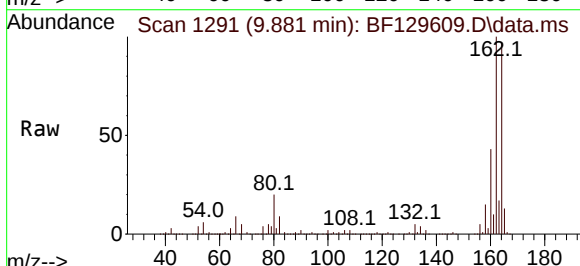
Ion Ratio Lower Upper

165 100

63 1.1 39.8 59.6#

89 1.1 60.2 90.2#

182 0.0 2.2 3.2#

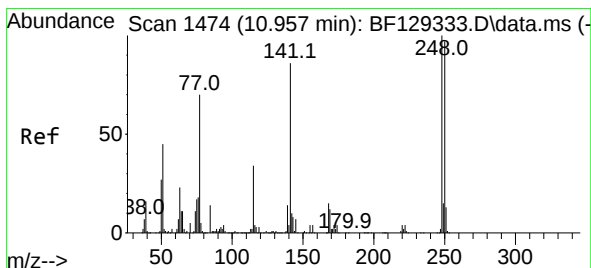
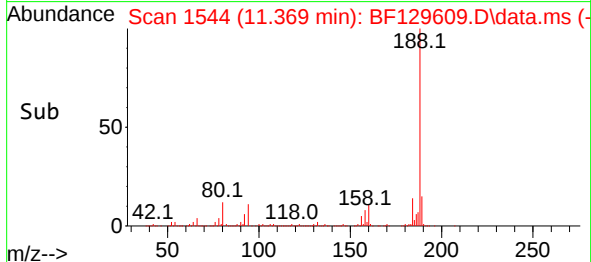
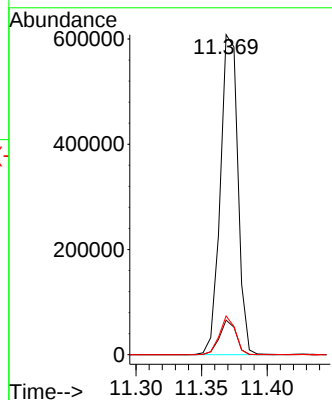
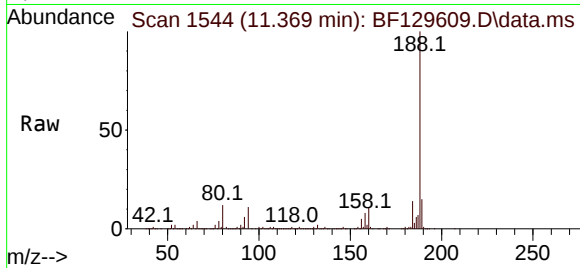




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129609.D
Acq: 05 Aug 2022 20:06

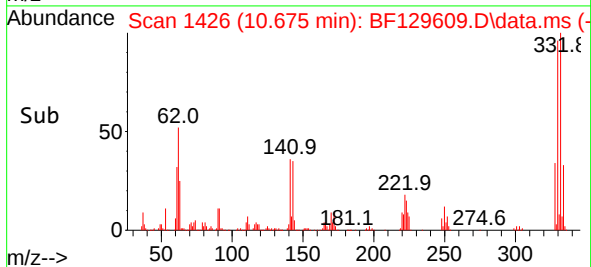
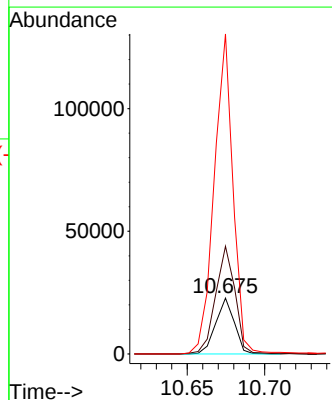
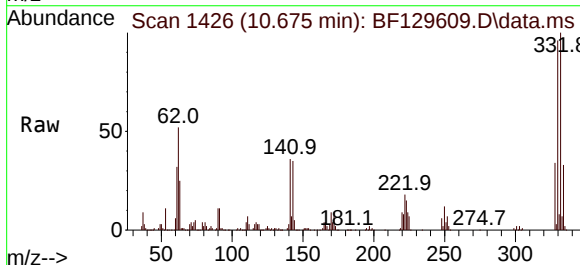
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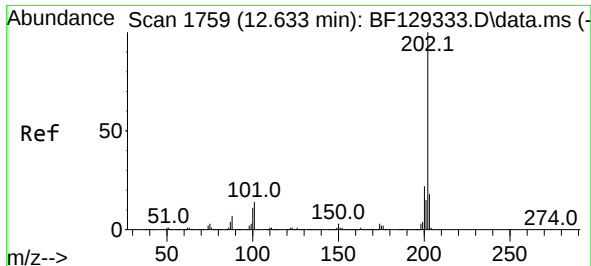
Tgt Ion:188 Resp: 565743
Ion Ratio Lower Upper
188 100
94 10.8 7.0 10.6#
80 12.1 7.6 11.4#



#67
4-Bromophenyl-phenylether
Concen: 3.080 ng
RT: 10.675 min Scan# 1426
Delta R.T. -0.247 min
Lab File: BF129609.D
Acq: 05 Aug 2022 20:06

Tgt Ion:248 Resp: 19083
Ion Ratio Lower Upper
248 100
250 192.7 80.6 120.8#
141 572.6 58.9 88.3#

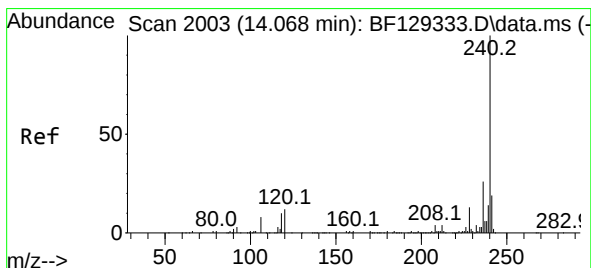
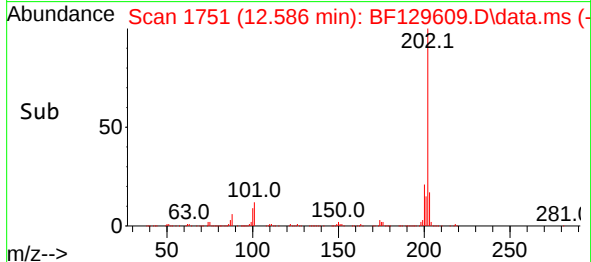
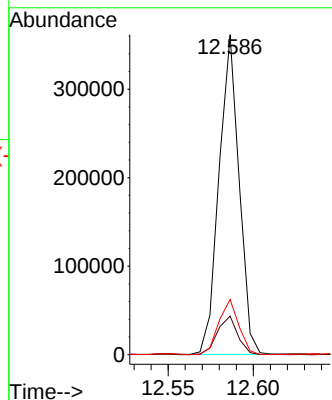
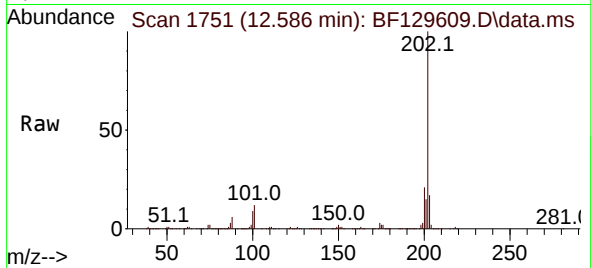




#75
Fluoranthene
Concen: 9.483 ng
RT: 12.586 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129609.D
Acq: 05 Aug 2022 20:06

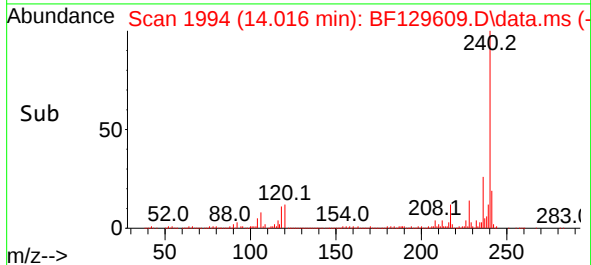
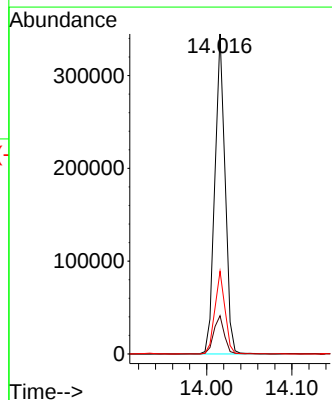
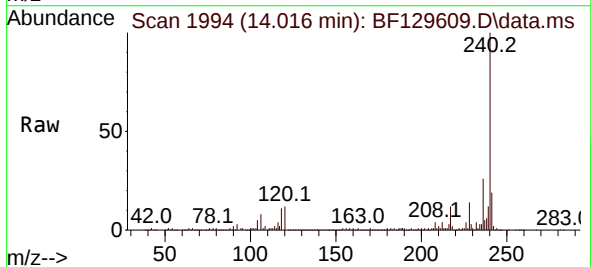
Instrument :
BNA_F
ClientSampleId :
RVE-152

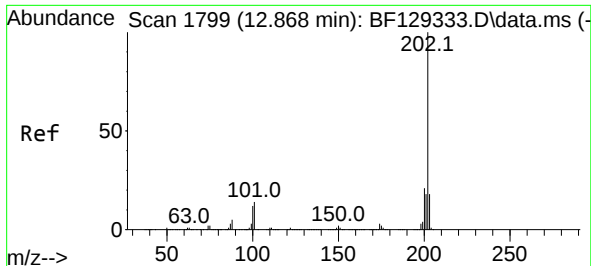
Tgt Ion:202 Resp: 296719
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.4
203 17.2 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129609.D
Acq: 05 Aug 2022 20:06

Tgt Ion:240 Resp: 288573
Ion Ratio Lower Upper
240 100
120 11.9 8.9 13.3
236 25.9 20.8 31.2

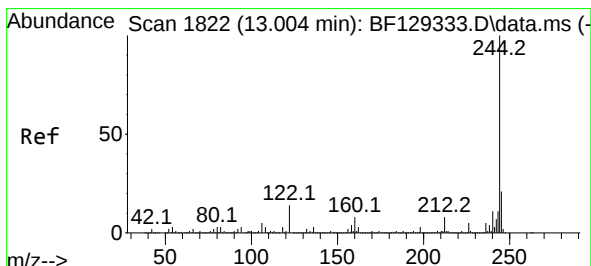
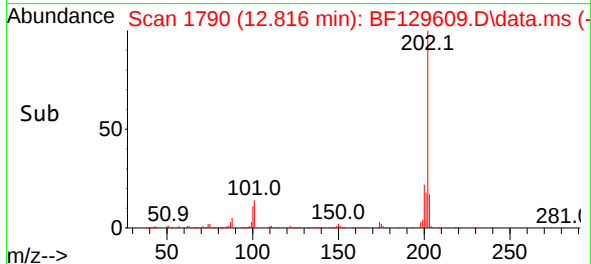
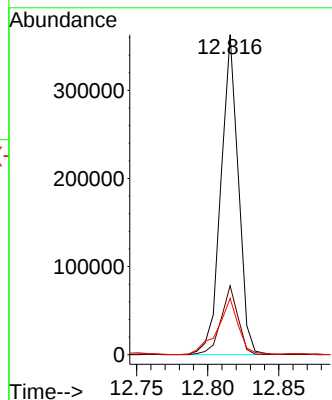
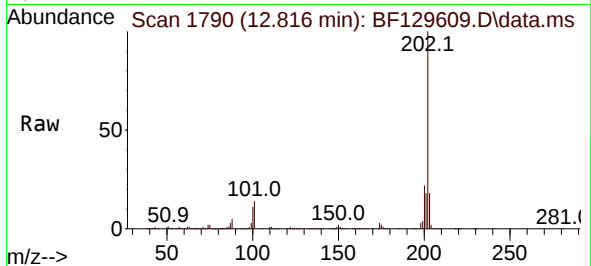




#78
Pyrene
Concen: 12.817 ng
RT: 12.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129609.D
Acq: 05 Aug 2022 20:06

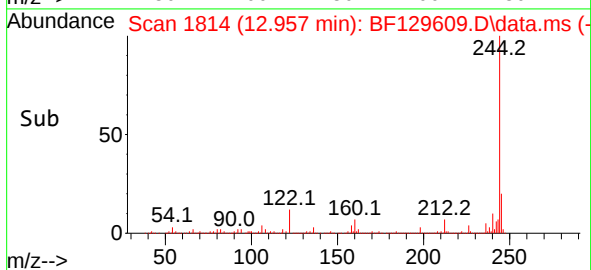
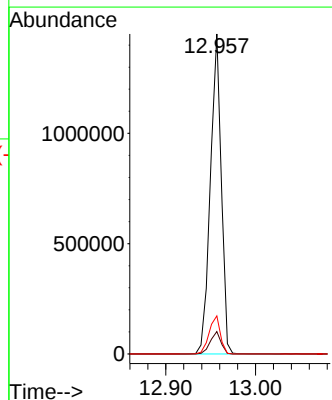
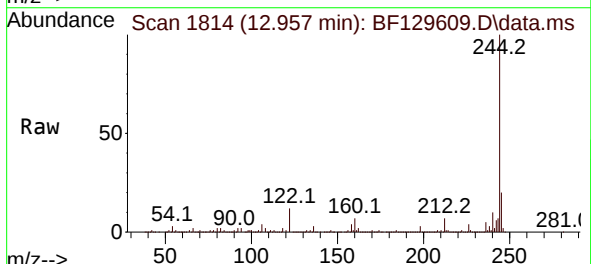
Instrument :
BNA_F
ClientSampleId :
RVE-152

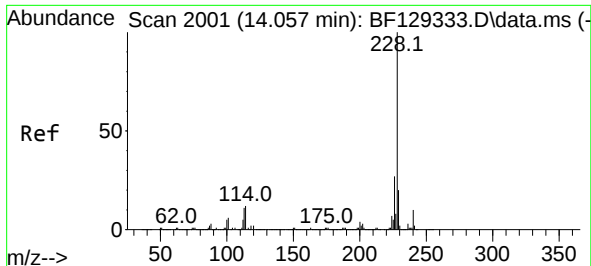
Tgt Ion:202 Resp: 309298
Ion Ratio Lower Upper
202 100
200 21.6 17.7 26.5
203 17.6 14.6 21.8



#79
Terphenyl-d14
Concen: 79.969 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF129609.D
Acq: 05 Aug 2022 20:06

Tgt Ion:244 Resp: 1223220
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 11.9 8.8 13.2

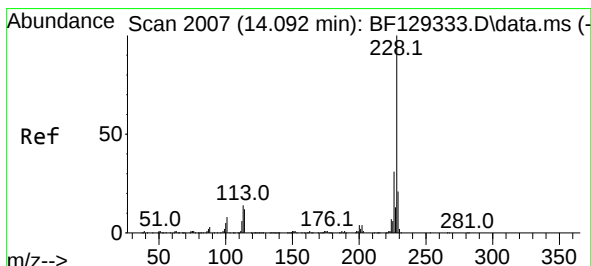
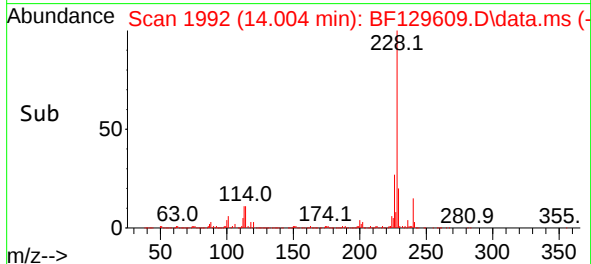
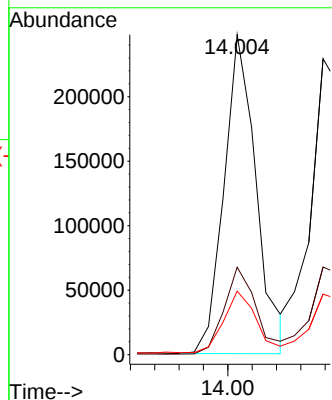
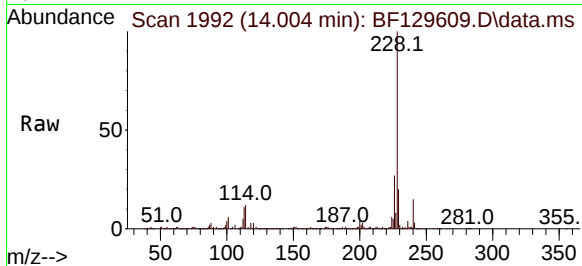




#81
Benzo(a)anthracene
Concen: 11.508 ng
RT: 14.004 min Scan# 1992
Delta R.T. -0.012 min
Lab File: BF129609.D
Acq: 05 Aug 2022 20:06

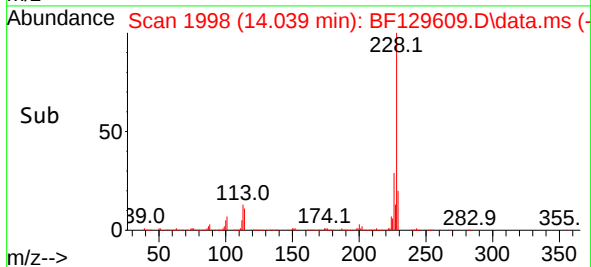
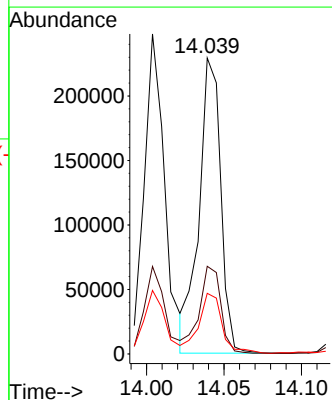
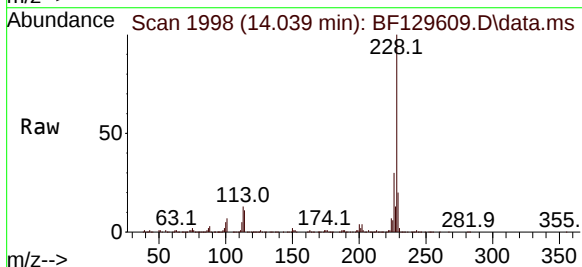
Instrument :
BNA_F
ClientSampleId :
RVE-152

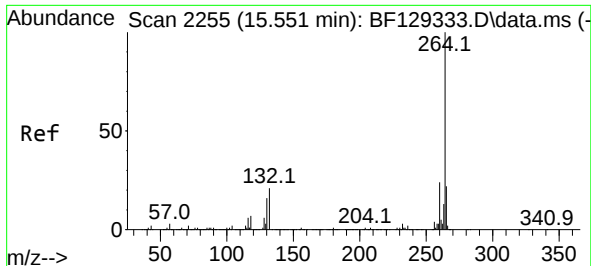
Tgt Ion:228 Resp: 226841
Ion Ratio Lower Upper
228 100
226 27.3 22.1 33.1
229 19.9 15.8 23.8



#83
Chrysene
Concen: 11.993 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BF129609.D
Acq: 05 Aug 2022 20:06

Tgt Ion:228 Resp: 222801
Ion Ratio Lower Upper
228 100
226 29.6 24.3 36.5
229 20.5 15.9 23.9

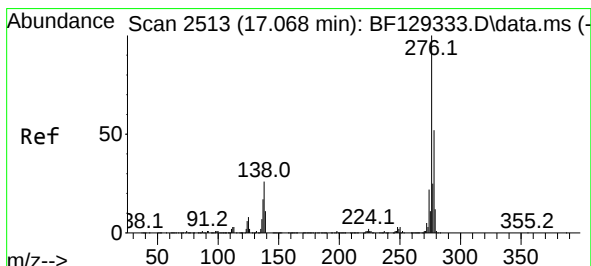
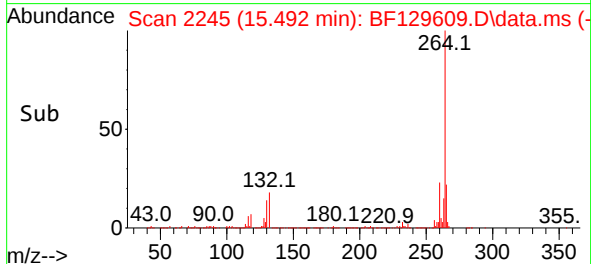
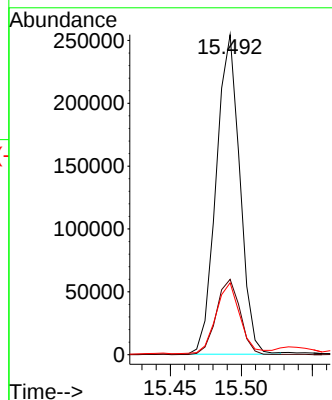
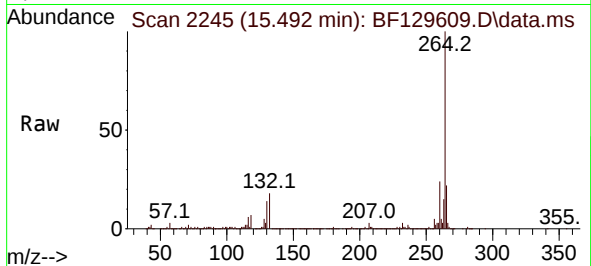




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF129609.D
Acq: 05 Aug 2022 20:06

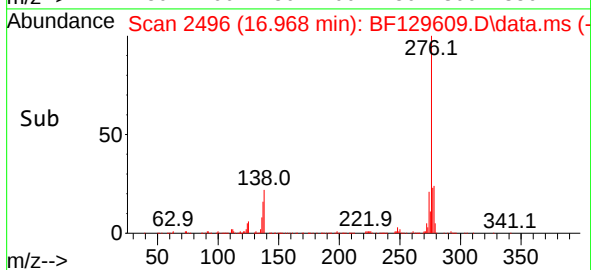
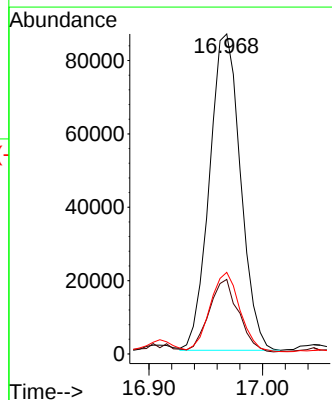
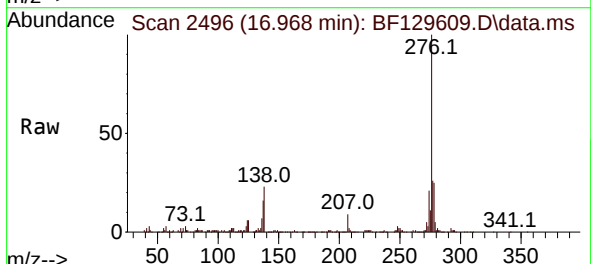
Instrument :
BNA_F
ClientSampleId :
RVE-152

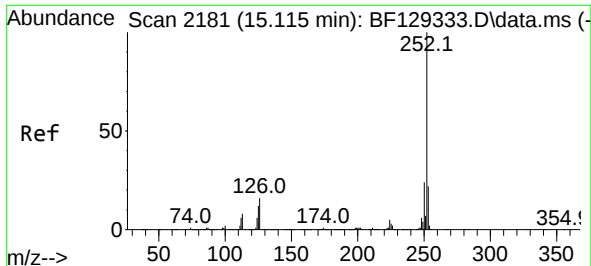
Tgt Ion:264 Resp: 294003
Ion Ratio Lower Upper
264 100
260 23.5 18.4 27.6
265 22.4 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.292 ng
RT: 16.968 min Scan# 2496
Delta R.T. -0.029 min
Lab File: BF129609.D
Acq: 05 Aug 2022 20:06

Tgt Ion:276 Resp: 164159
Ion Ratio Lower Upper
276 100
138 21.8 21.1 31.7
277 25.0 20.3 30.5

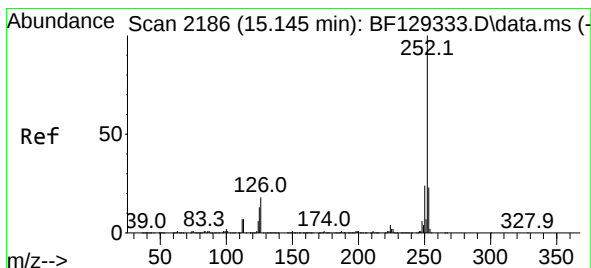
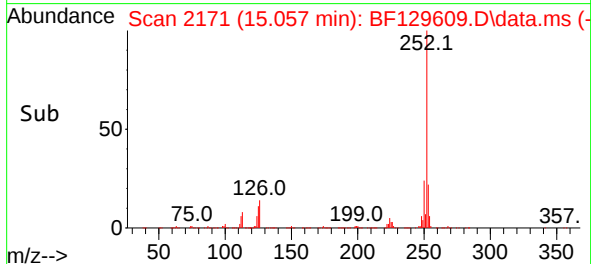
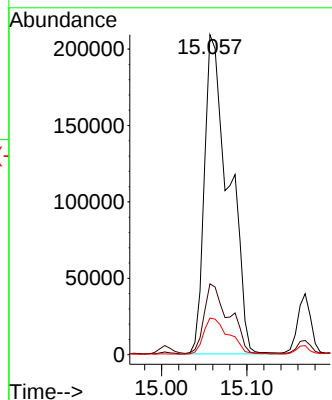
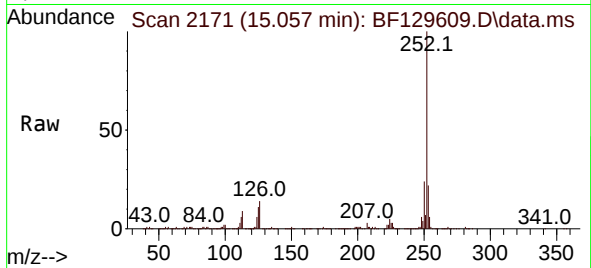




#88
Benzo(b)fluoranthene
Concen: 21.319 ng
RT: 15.057 min Scan# 2181
Delta R.T. -0.012 min
Lab File: BF129609.D
Acq: 05 Aug 2022 20:06

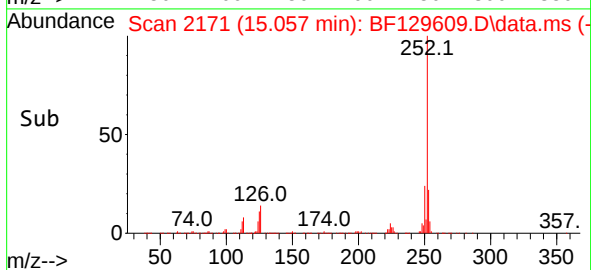
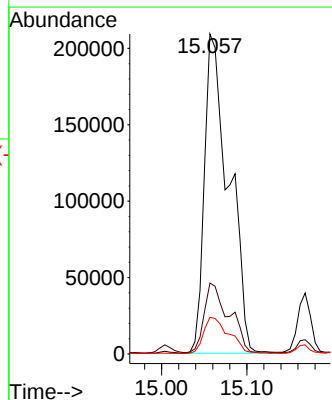
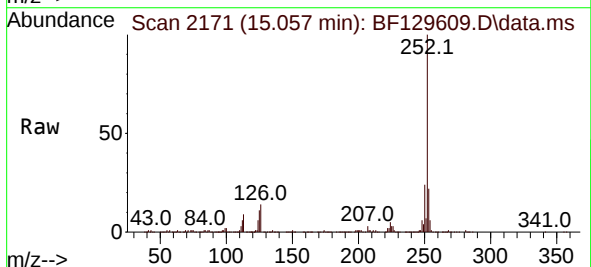
Instrument :
BNA_F
ClientSampleId :
RVE-152

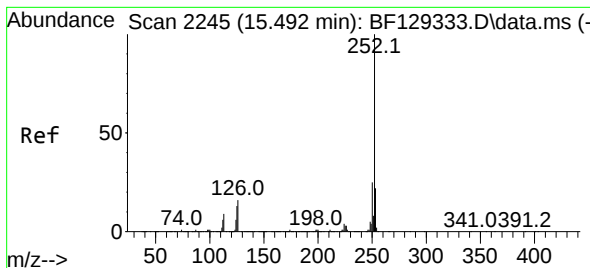
Tgt Ion:252 Resp: 415768
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 11.5 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 21.755 ng
RT: 15.057 min Scan# 2171
Delta R.T. -0.047 min
Lab File: BF129609.D
Acq: 05 Aug 2022 20:06

Tgt Ion:252 Resp: 415768
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 11.5 8.3 12.5





#90

Benzo(a)pyrene

Concen: 15.620 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129609.D

Acq: 05 Aug 2022 20:06

Instrument :

BNA_F

ClientSampleId :

RVE-152

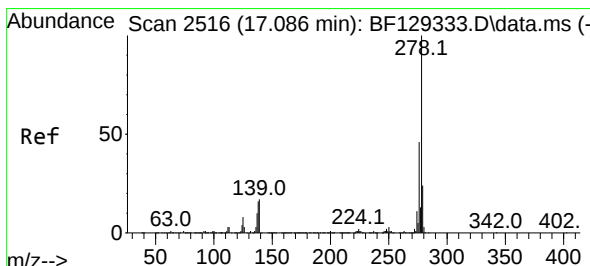
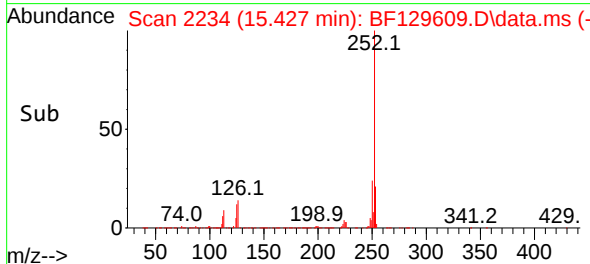
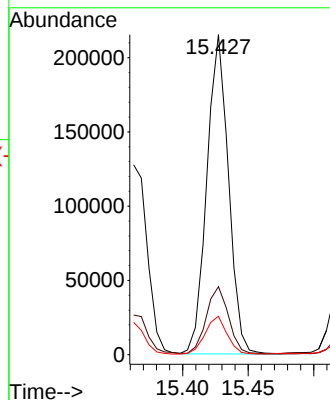
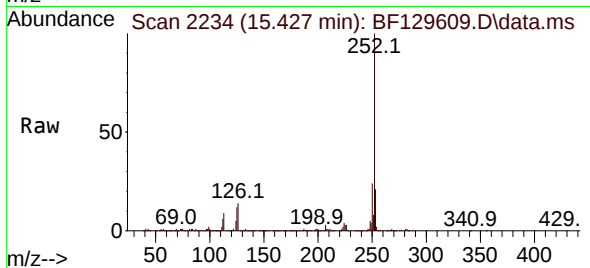
Tgt Ion:252 Resp: 247286

Ion Ratio Lower Upper

252 100

253 21.2 17.0 25.6

125 12.0 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 2.696 ng

RT: 17.145 min Scan# 2526

Delta R.T. 0.135 min

Lab File: BF129609.D

Acq: 05 Aug 2022 20:06

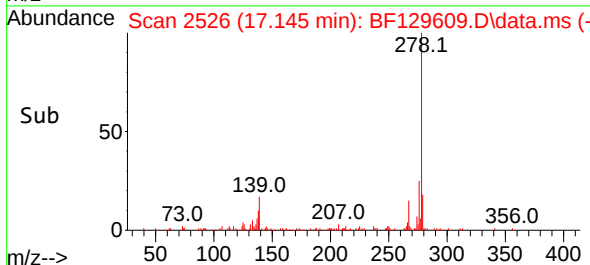
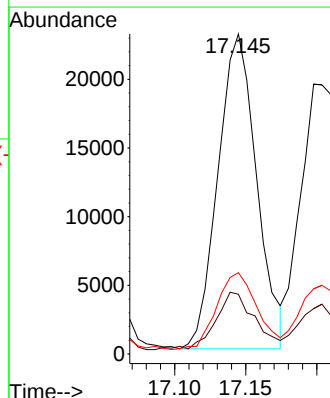
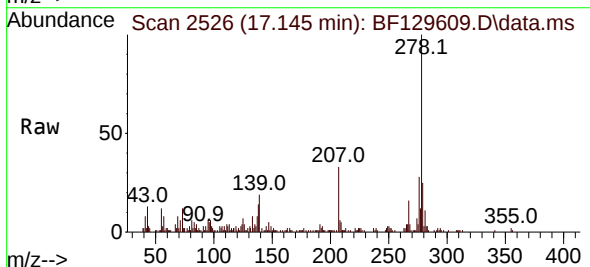
Tgt Ion:278 Resp: 43450

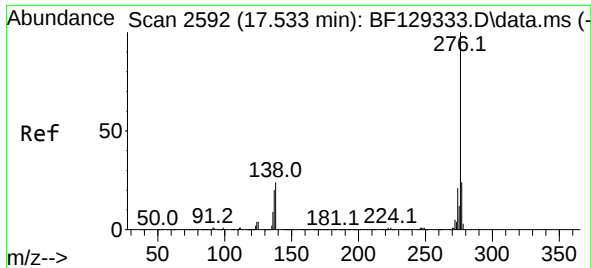
Ion Ratio Lower Upper

278 100

139 18.7 12.8 19.2

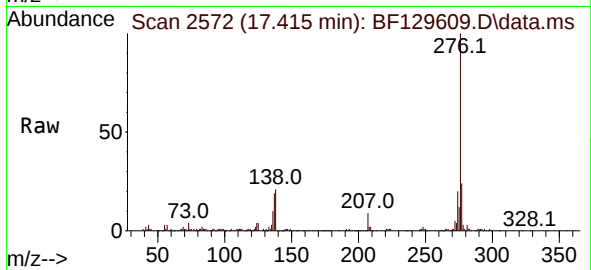
279 25.4 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 9.717 ng
 RT: 17.415 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF129609.D
 Acq: 05 Aug 2022 20:06

Instrument :
 BNA_F
 ClientSampleId :
 RVE-152



Tgt Ion:276 Resp: 160004
 Ion Ratio Lower Upper
 276 100
 277 24.2 19.1 28.7
 138 21.5 18.0 27.0

