

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080922\
 Data File : BF129682.D
 Acq On : 09 Aug 2022 23:59
 Operator : CG\JU
 Sample : N3963-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-208

Quant Time: Aug 10 05:37:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 16:27:34 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

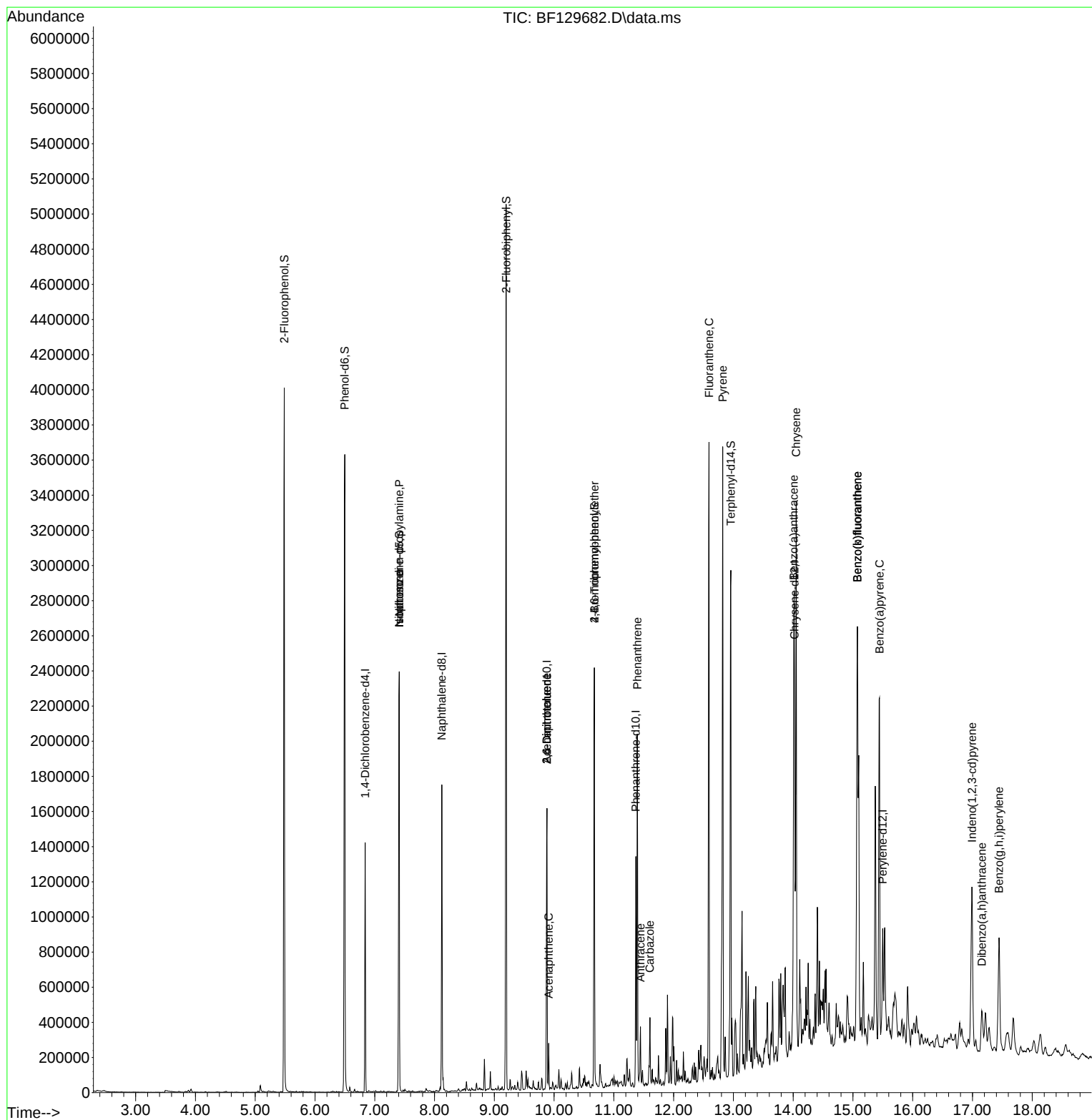
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	187935	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	699156	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	317551	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	442256	20.000	ng	-0.01
76) Chrysene-d12	14.021	240	302518	20.000	ng	0.00
86) Perylene-d12	15.498	264	272211	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1079952	93.609	ng	0.00
7) Phenol-d6	6.498	99	1334973	92.060	ng	0.00
23) Nitrobenzene-d5	7.410	82	827848	64.637	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	262708	86.049	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1388101	67.621	ng	-0.01
79) Terphenyl-d14	12.957	244	1005771	62.722	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	110171	12.550	ng	# 72
25) Isophorone	7.410	82	824553	35.916	ng	# 65
51) 2,6-Dinitrotoluene	9.881	165	41792	8.518	ng	# 26
52) Acenaphthene	9.910	154	45689	2.457	ng	97
57) 2,4-Dinitrotoluene	9.881	165	41792	6.520	ng	# 22
67) 4-Bromophenyl-phenylether	10.675	248	16562	3.420	ng	# 1
71) Phenanthrene	11.392	178	673903	27.915	ng	98
72) Anthracene	11.445	178	122600	5.168	ng	98
73) Carbazole	11.604	167	129801	5.812	ng	98
75) Fluoranthene	12.592	202	1440840	58.904	ng	99
78) Pyrene	12.822	202	1407775	55.649	ng	99
81) Benzo(a)anthracene	14.010	228	1051458	50.881	ng	98
83) Chrysene	14.051	228	1098638	56.410	ng	97
87) Indeno(1,2,3-cd)pyrene	16.992	276	548186	29.905	ng	94
88) Benzo(b)fluoranthene	15.074	252	1933206	107.064	ng	98
89) Benzo(k)fluoranthene	15.074	252	1933206	109.252	ng	98
90) Benzo(a)pyrene	15.445	252	1003435	68.457	ng	98
91) Dibenzo(a,h)anthracene	17.157	278	129729	8.695	ng	96
92) Benzo(g,h,i)perylene	17.445	276	514469	33.746	ng	99

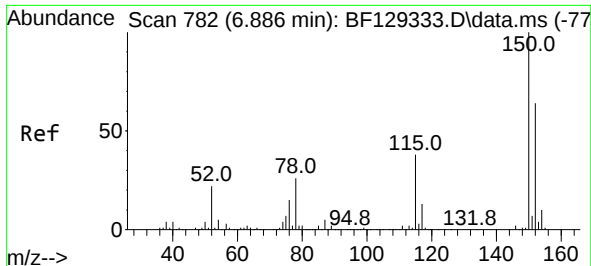
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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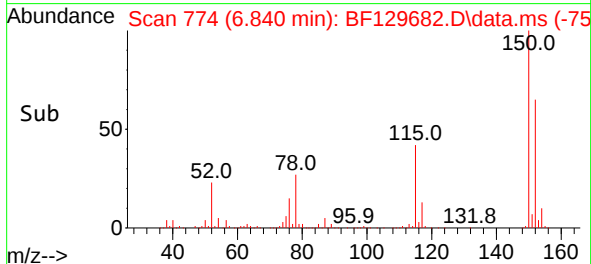
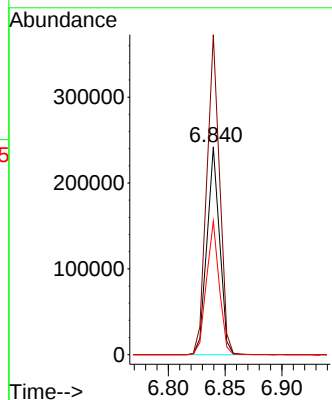
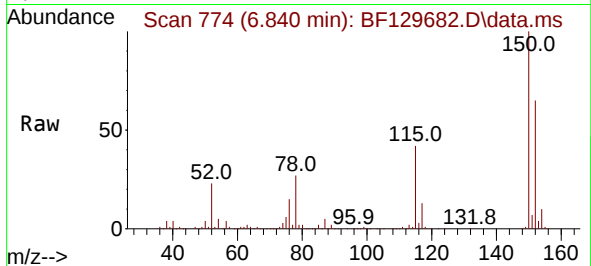




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

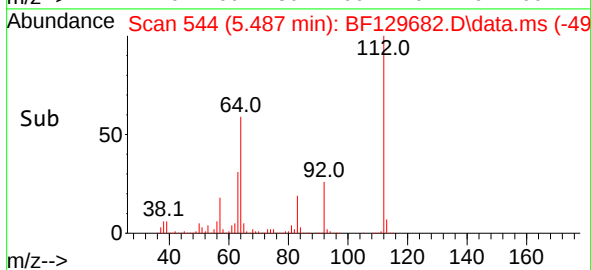
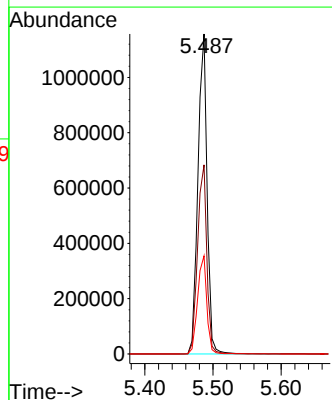
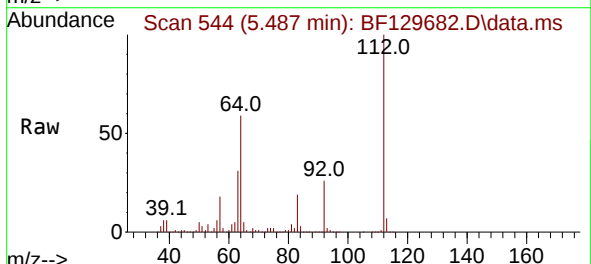
Instrument :
BNA_F
ClientSampleId :
RVE-208

Tgt Ion:152 Resp: 187935
Ion Ratio Lower Upper
152 100
150 154.0 123.7 185.5
115 64.3 49.9 74.9



#5
2-Fluorophenol
Concen: 93.609 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.006 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

Tgt Ion:112 Resp: 1079952
Ion Ratio Lower Upper
112 100
64 59.1 53.3 79.9
63 30.6 28.0 42.0



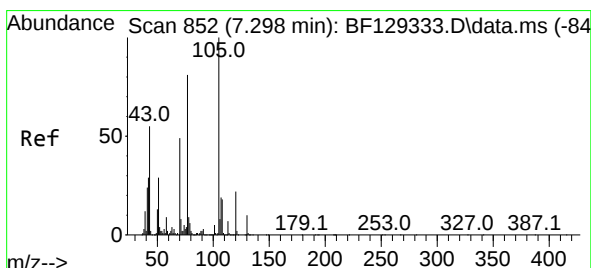
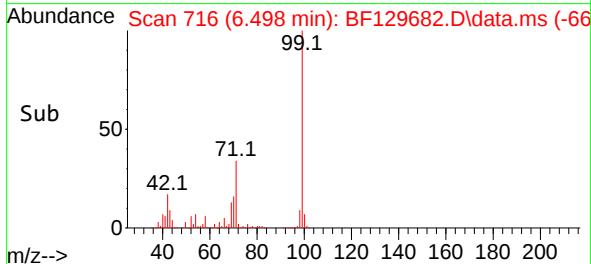
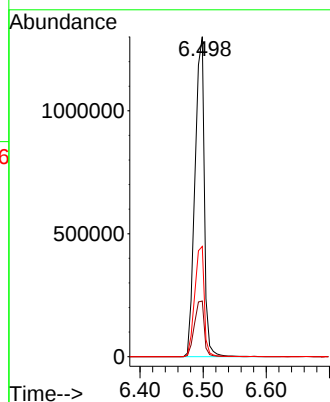
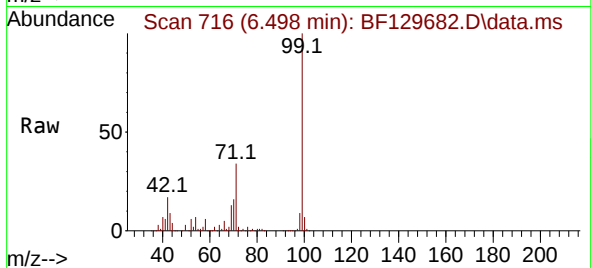


#7
Phenol-d6
Concen: 92.060 ng
RT: 6.498 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

Instrument :
BNA_F
ClientSampleId :
RVE-208

Tgt Ion: 99 Resp: 1334973

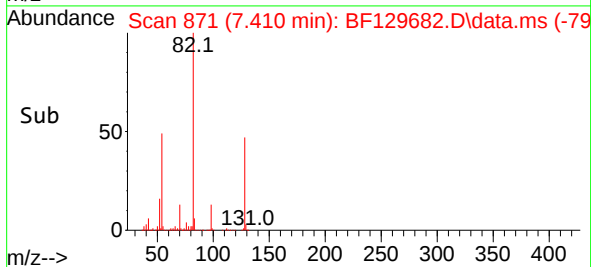
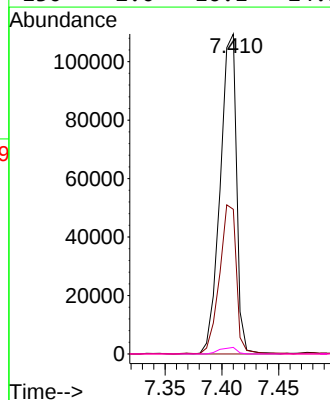
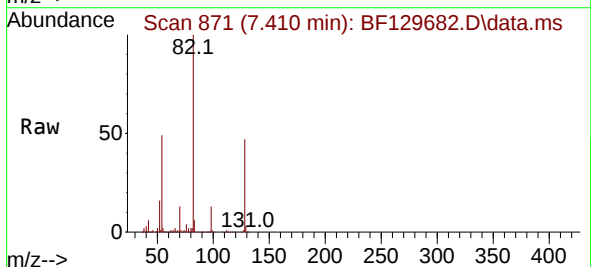
Ion	Ratio	Lower	Upper
99	100		
42	17.4	17.3	25.9
71	34.4	28.9	43.3



#19
n-Nitroso-di-n-propylamine
Concen: 12.550 ng
RT: 7.410 min Scan# 871
Delta R.T. 0.141 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

Tgt Ion: 70 Resp: 110171

Ion	Ratio	Lower	Upper
70	100		
42	45.2	52.3	78.5#
101	0.0	7.5	11.3#
130	2.0	16.1	24.1#



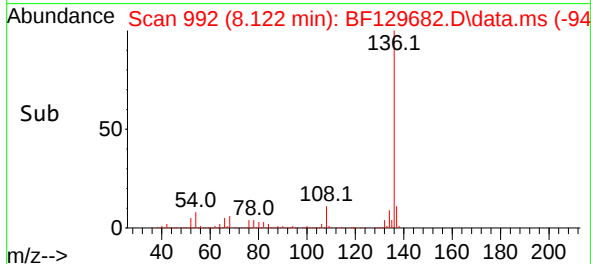
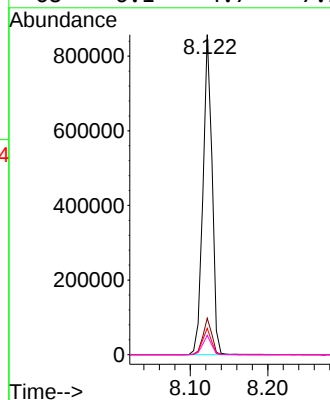
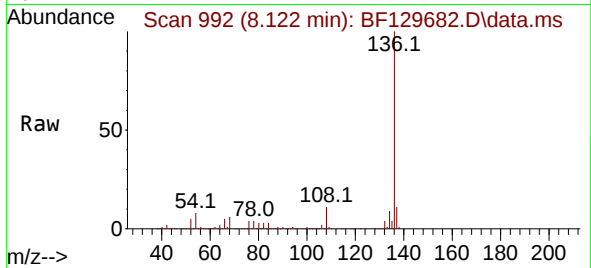


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

Instrument :
BNA_F
ClientSampleId :
RVE-208

Tgt Ion:136 Resp: 699156

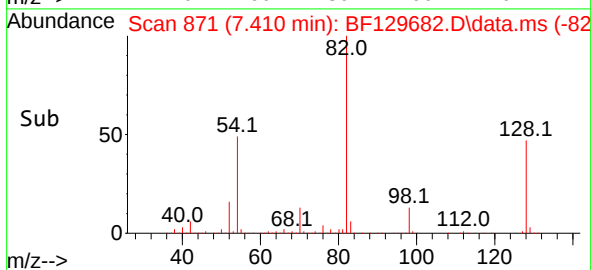
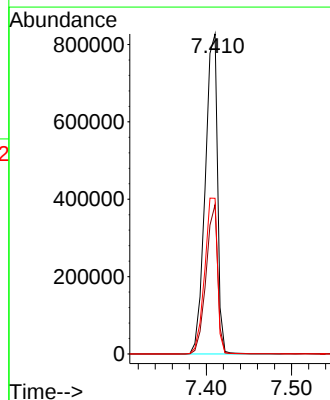
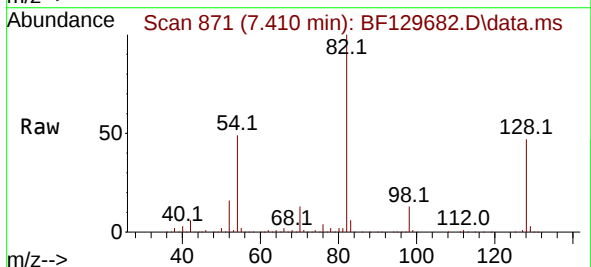
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	8.3	7.5	11.3
68	6.1	4.7	7.1



#23
Nitrobenzene-d5
Concen: 64.637 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.012 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

Tgt Ion: 82 Resp: 827848

Ion	Ratio	Lower	Upper
82	100		
128	46.6	34.0	51.0
54	48.7	46.9	70.3

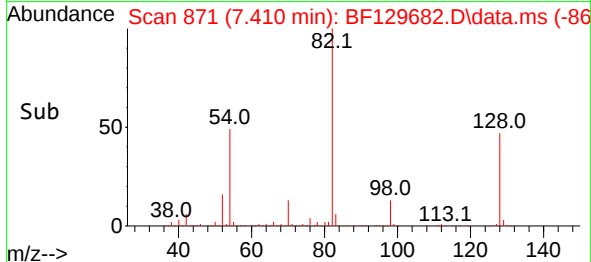
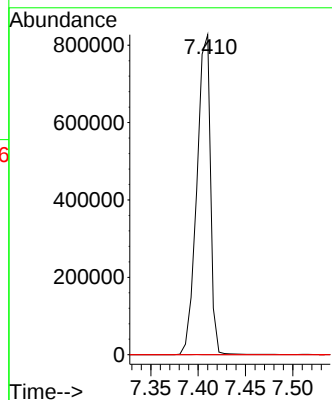
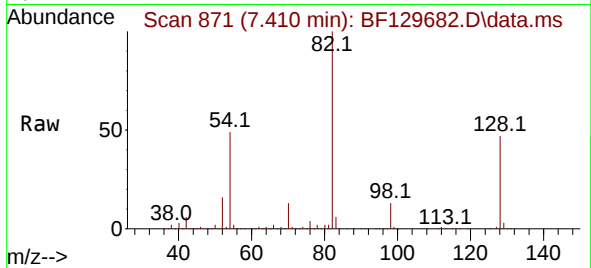




#25
Isophorone
Concen: 35.916 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

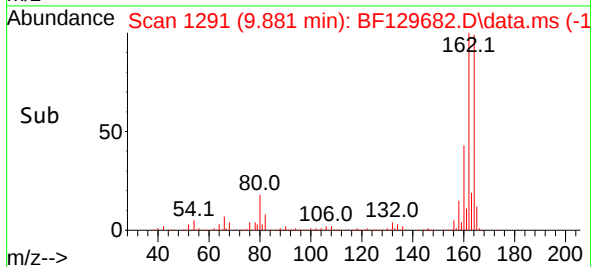
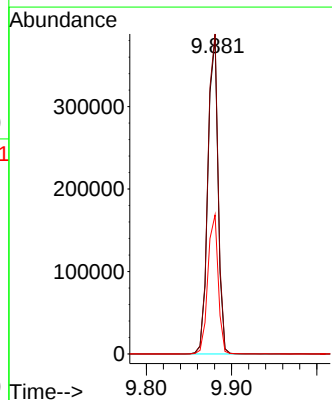
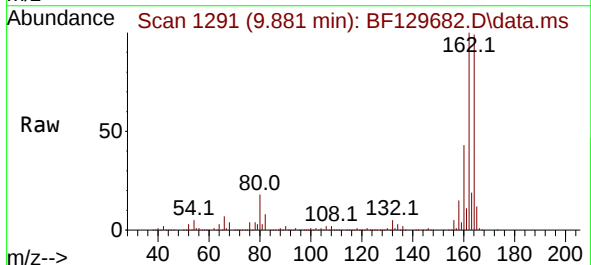
Instrument :
BNA_F
ClientSampleId :
RVE-208

Tgt Ion: 82 Resp: 824553
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: BF129682.D
Acq: 09 Aug 2022 23:59

Tgt Ion:164 Resp: 317551
Ion Ratio Lower Upper
164 100
162 101.3 79.5 119.3
160 44.0 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 86.049 ng

RT: 10.675 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF129682.D

Acq: 09 Aug 2022 23:59

Instrument :

BNA_F

ClientSampleId :

RVE-208

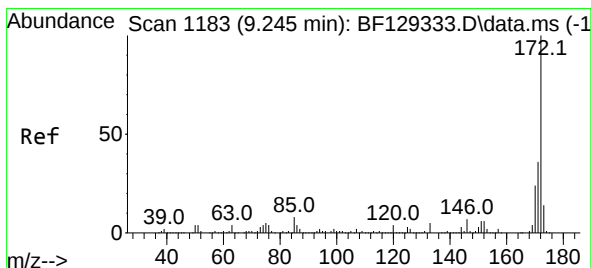
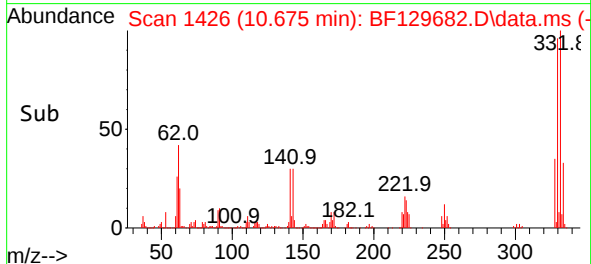
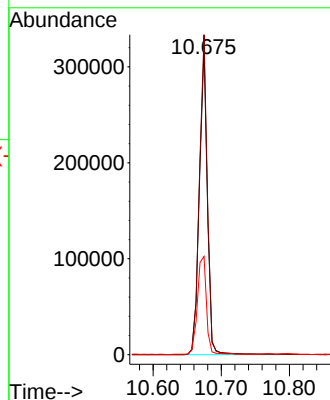
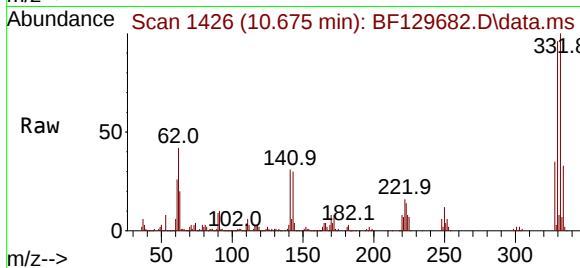
Tgt Ion:330 Resp: 262708

Ion Ratio Lower Upper

330 100

332 103.8 76.8 115.2

141 36.4 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 67.621 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.012 min

Lab File: BF129682.D

Acq: 09 Aug 2022 23:59

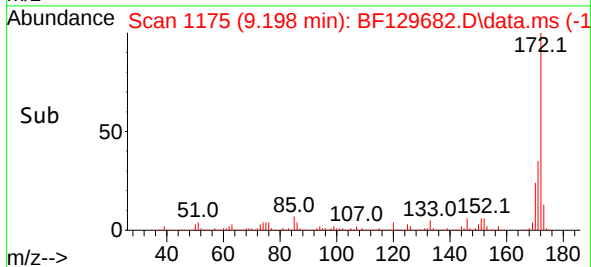
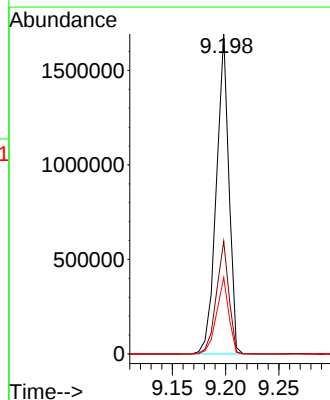
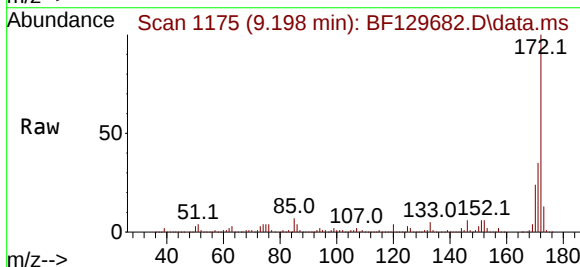
Tgt Ion:172 Resp: 1388101

Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 23.9 19.8 29.8

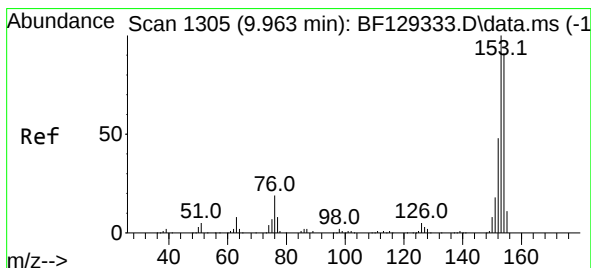
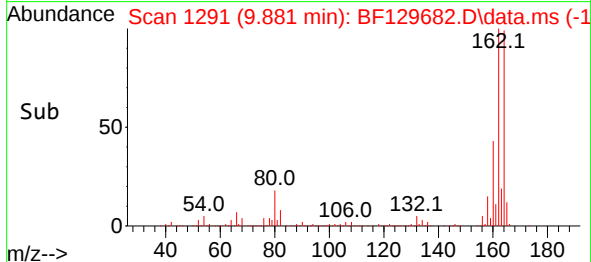
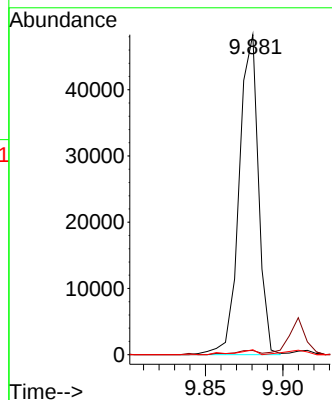
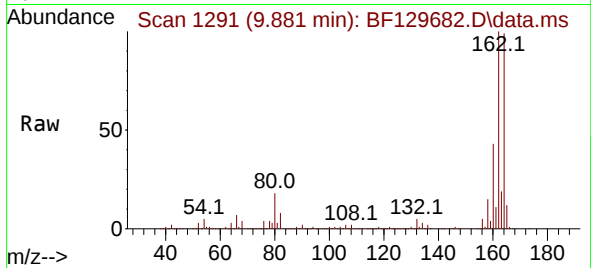




#51
2,6-Dinitrotoluene
Concen: 8.518 ng
RT: 9.881 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

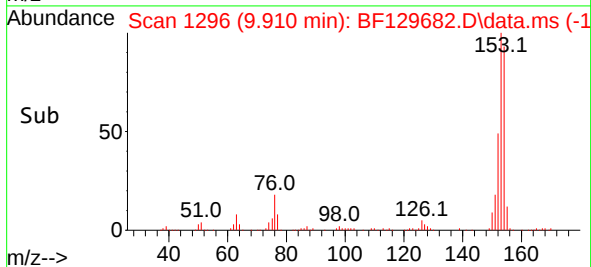
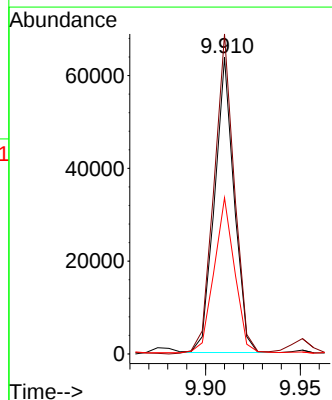
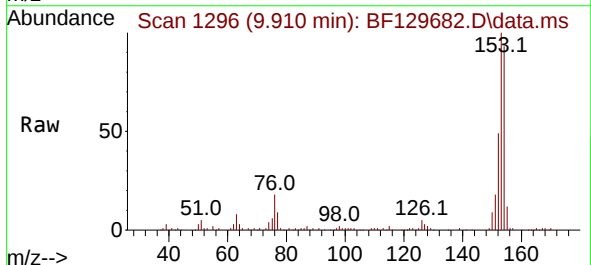
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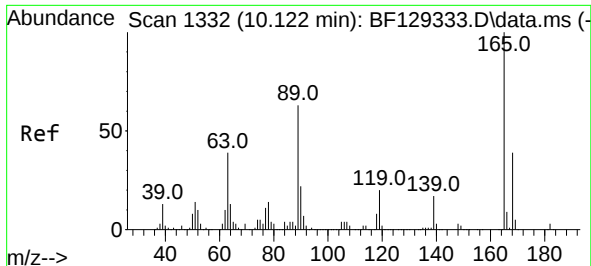
Tgt Ion:165 Resp: 41792
Ion Ratio Lower Upper
165 100
63 1.3 44.9 67.3#
89 1.5 43.6 65.4#



#52
Acenaphthene
Concen: 2.457 ng
RT: 9.910 min Scan# 1296
Delta R.T. -0.018 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

Tgt Ion:154 Resp: 45689
Ion Ratio Lower Upper
154 100
153 107.9 89.6 134.4
152 52.6 42.4 63.6

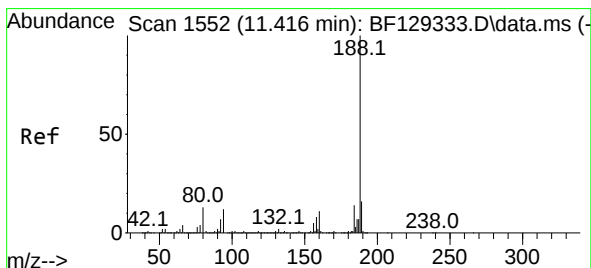
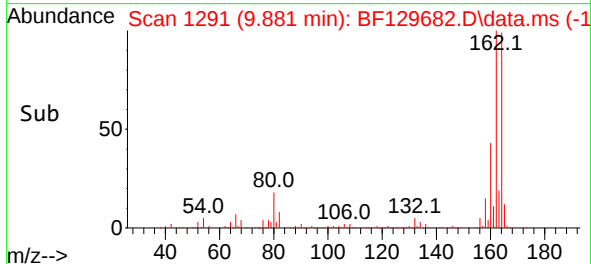
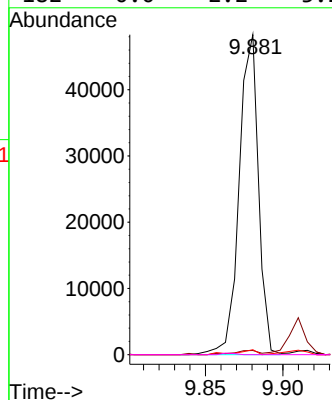
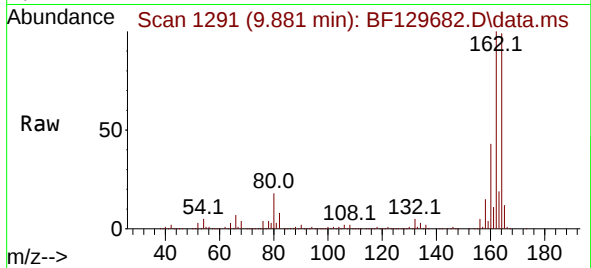




#57
2,4-Dinitrotoluene
Concen: 6.520 ng
RT: 9.881 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

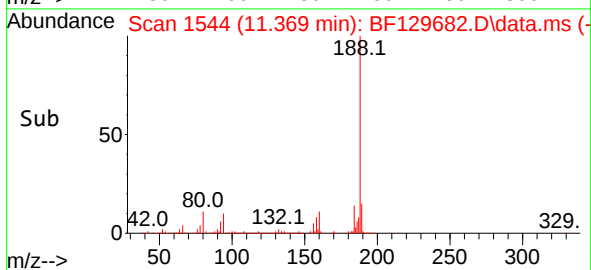
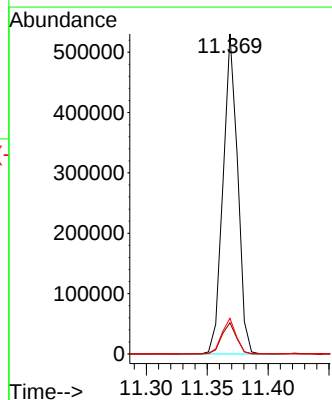
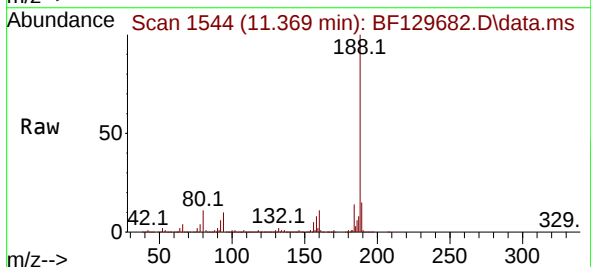
Instrument :
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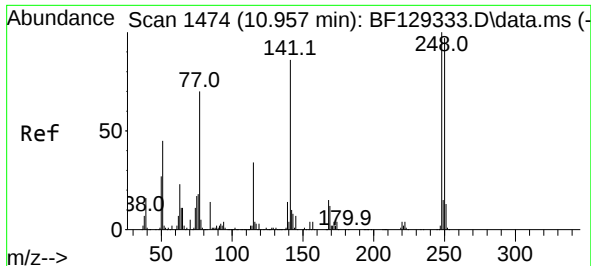
Tgt Ion:165 Resp: 41792
Ion Ratio Lower Upper
165 100
63 1.3 39.8 59.6#
89 1.5 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1544
Delta R.T. -0.012 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

Tgt Ion:188 Resp: 442256
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.6
80 11.1 7.6 11.4

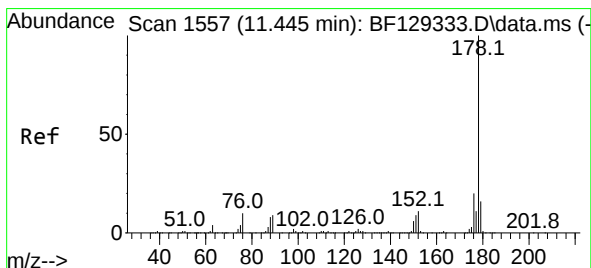
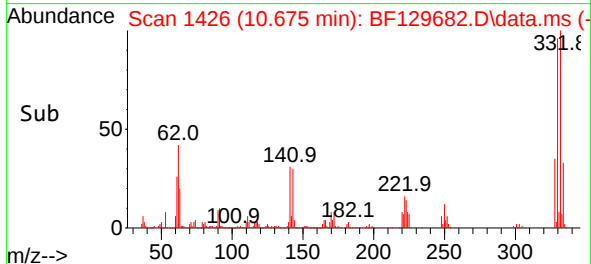
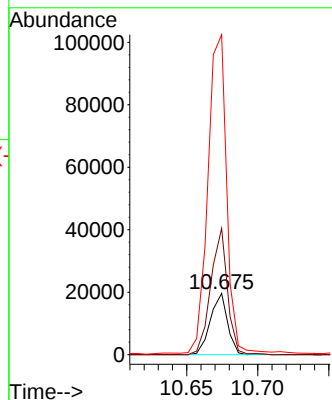
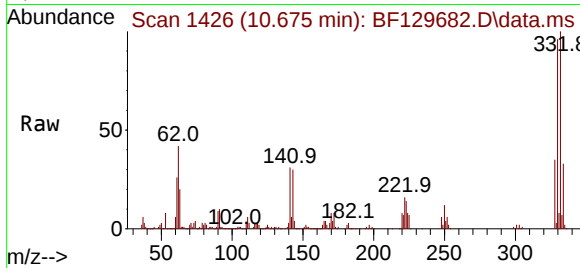




#67
4-Bromophenyl-phenylether
Concen: 3.420 ng
RT: 10.675 min Scan# 1474
Delta R.T. -0.247 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

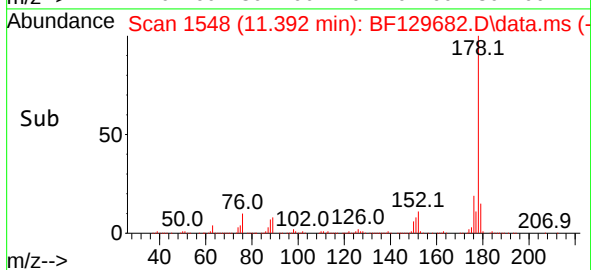
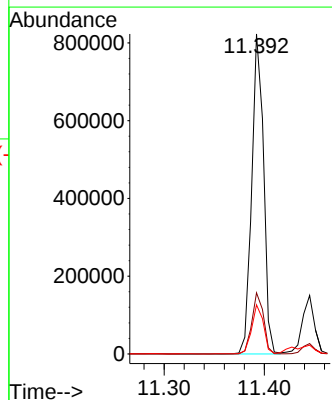
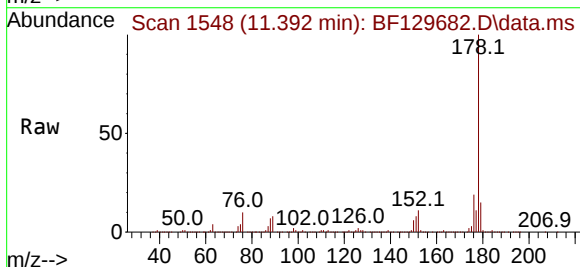
Instrument :
BNA_F
ClientSampleId :
RVE-208

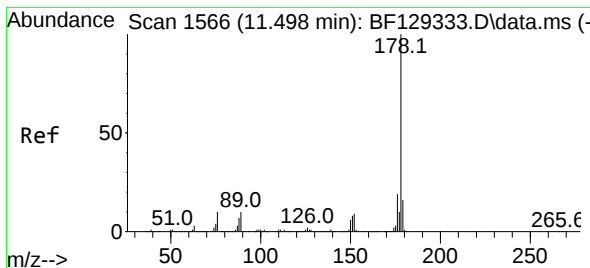
Tgt Ion:248 Resp: 16562
Ion Ratio Lower Upper
248 100
250 206.5 80.6 120.8#
141 522.6 58.9 88.3#



#71
Phenanthrene
Concen: 27.915 ng
RT: 11.392 min Scan# 1548
Delta R.T. -0.018 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

Tgt Ion:178 Resp: 673903
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.4 12.6 19.0





#72

Anthracene

Concen: 5.168 ng

RT: 11.445 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF129682.D

Acq: 09 Aug 2022 23:59

Instrument :

BNA_F

ClientSampleId :

RVE-208

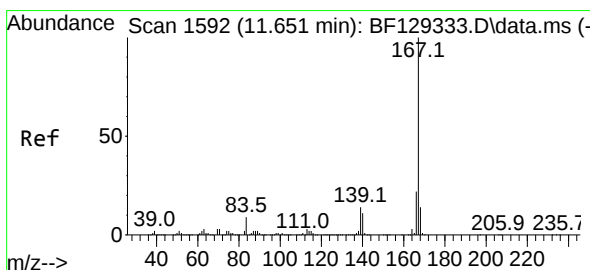
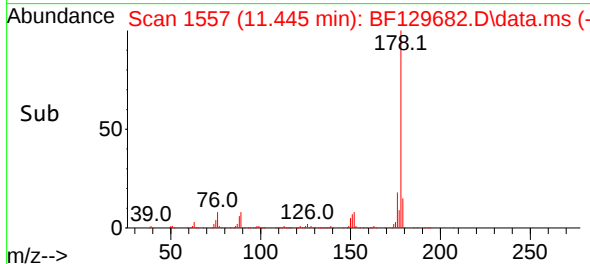
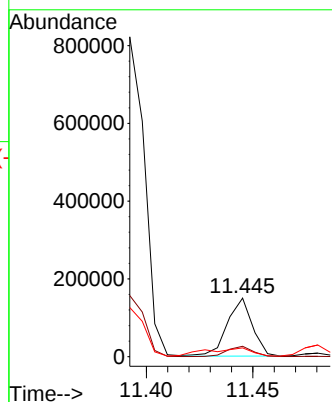
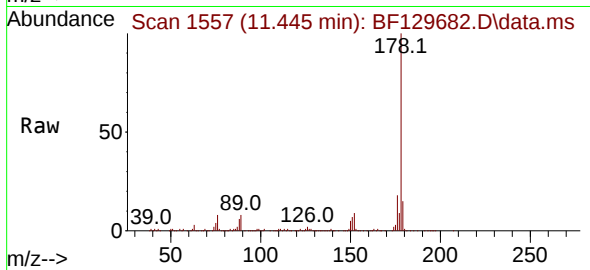
Tgt Ion:178 Resp: 122600

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.2

179 15.1 12.6 19.0



#73

Carbazole

Concen: 5.812 ng

RT: 11.604 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF129682.D

Acq: 09 Aug 2022 23:59

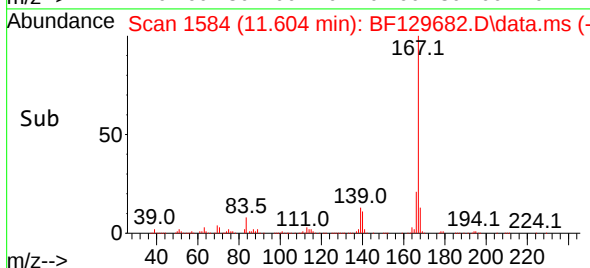
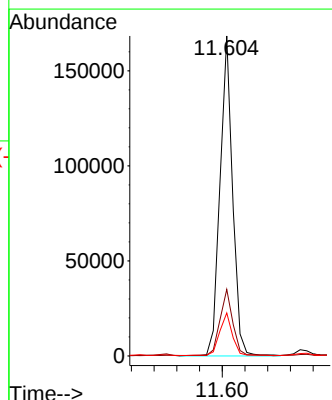
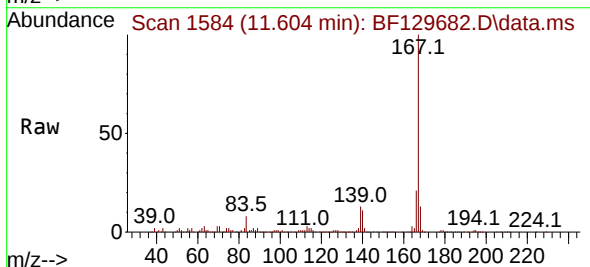
Tgt Ion:167 Resp: 129801

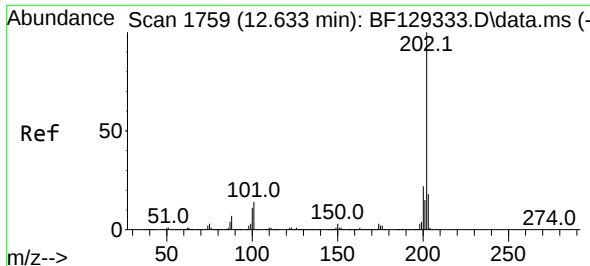
Ion Ratio Lower Upper

167 100

166 20.8 17.7 26.5

139 13.4 11.2 16.8

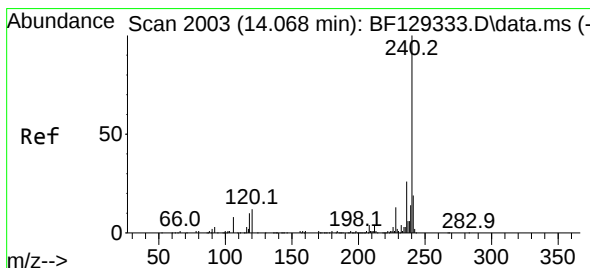
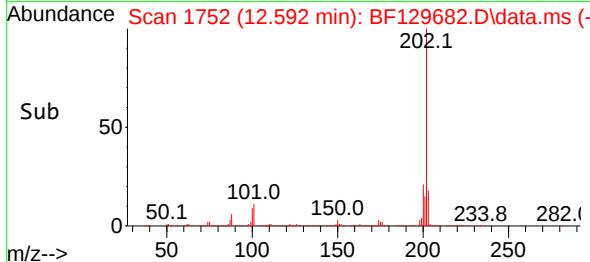
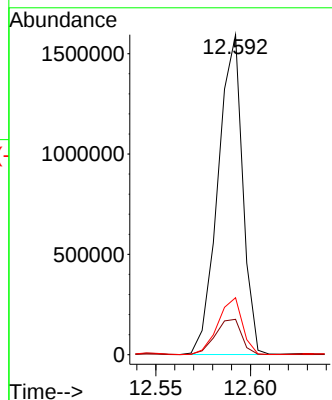
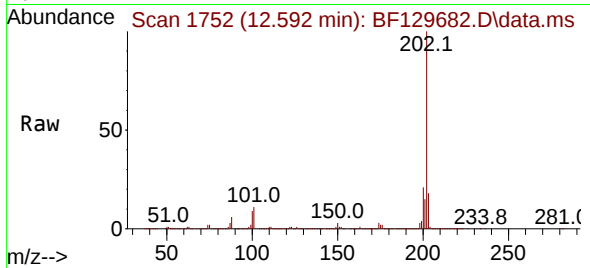




#75
Fluoranthene
Concen: 58.904 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

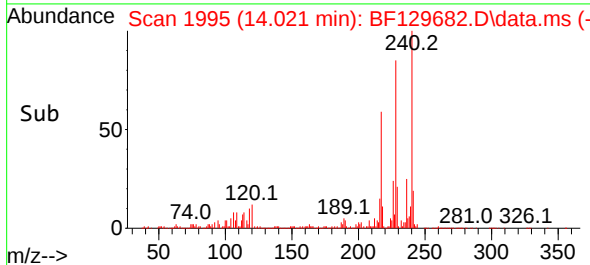
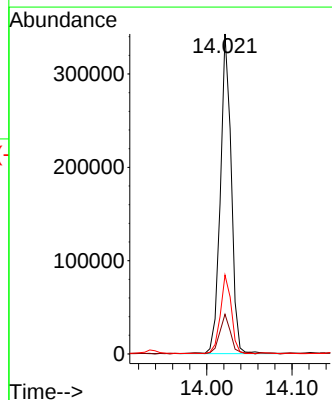
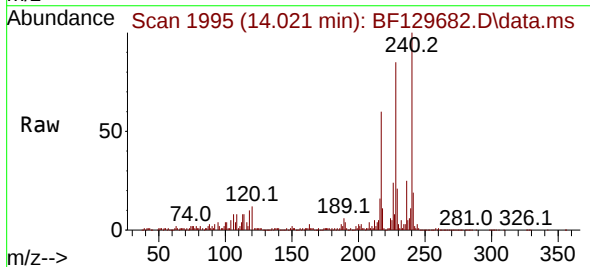
Instrument :
BNA_F
ClientSampleId :
RVE-208

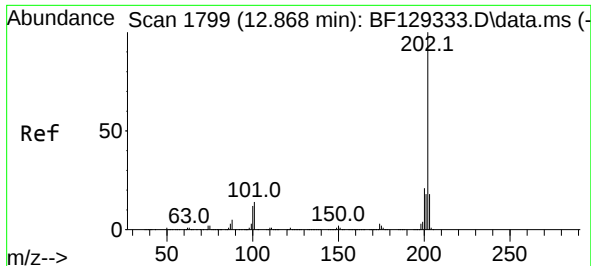
Tgt Ion:202 Resp: 1440840
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.4
203 17.8 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

Tgt Ion:240 Resp: 302518
Ion Ratio Lower Upper
240 100
120 12.4 8.9 13.3
236 24.7 20.8 31.2

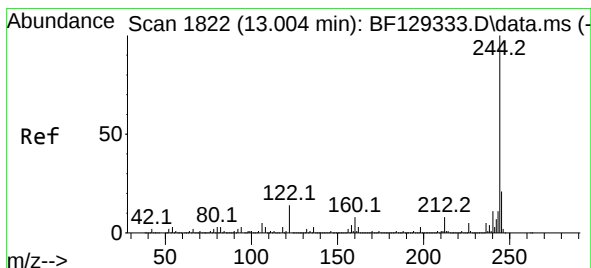
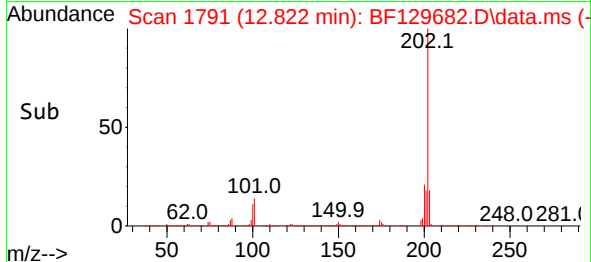
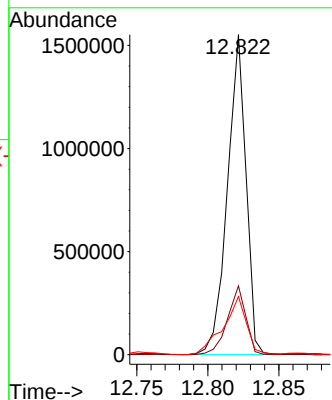
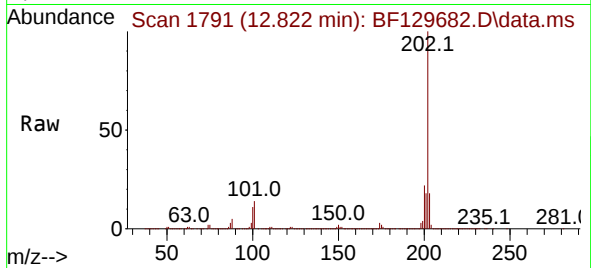




#78
Pyrene
Concen: 55.649 ng
RT: 12.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

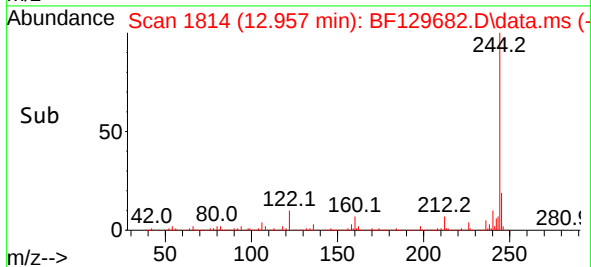
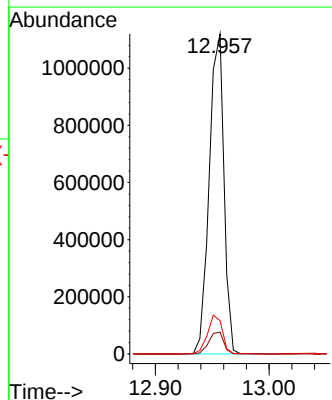
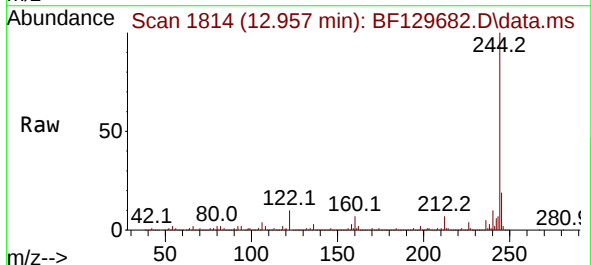
Instrument :
BNA_F
ClientSampleId :
RVE-208

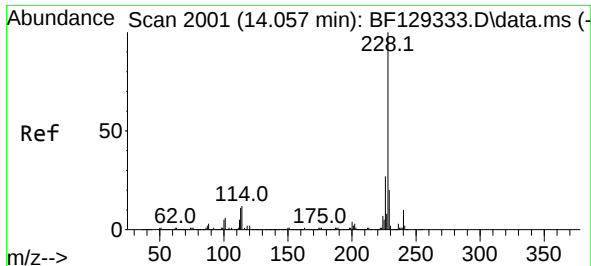
Tgt Ion:202 Resp: 1407775
Ion Ratio Lower Upper
202 100
200 21.5 17.7 26.5
203 18.2 14.6 21.8



#79
Terphenyl-d14
Concen: 62.722 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

Tgt Ion:244 Resp: 1005771
Ion Ratio Lower Upper
244 100
212 6.8 6.1 9.1
122 10.4 8.8 13.2

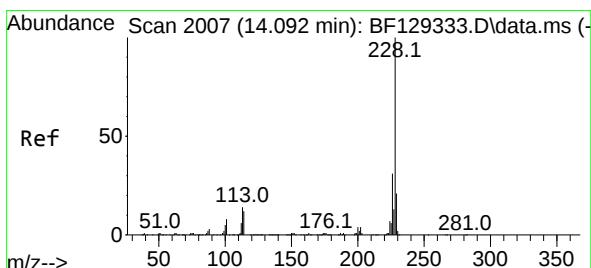
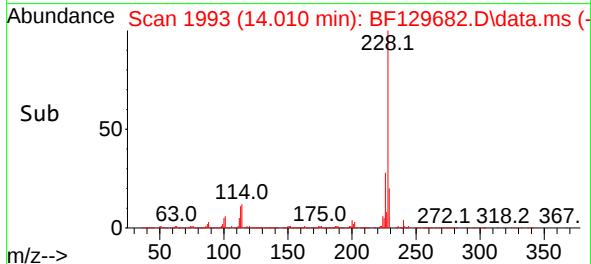
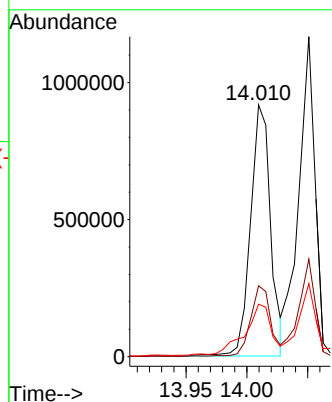
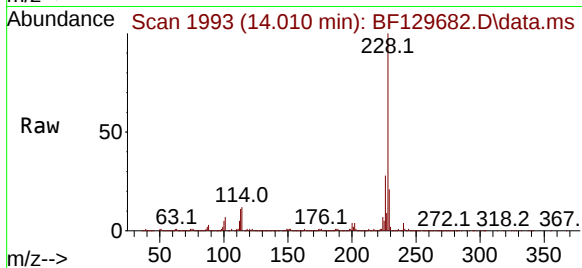




#81
Benzo(a)anthracene
Concen: 50.881 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

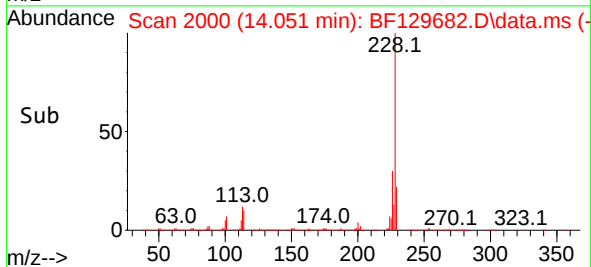
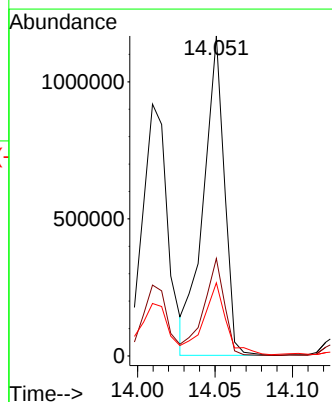
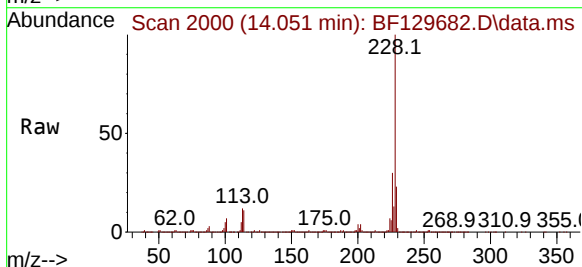
Instrument :
BNA_F
ClientSampleId :
RVE-208

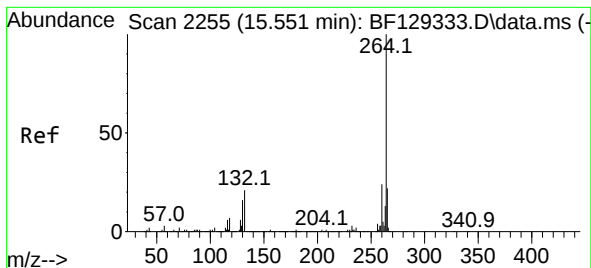
Tgt Ion:228 Resp: 1051458
Ion Ratio Lower Upper
228 100
226 28.2 22.1 33.1
229 20.8 15.8 23.8



#83
Chrysene
Concen: 56.410 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

Tgt Ion:228 Resp: 1098638
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 22.8 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129682.D

Acq: 09 Aug 2022 23:59

Instrument :

BNA_F

ClientSampleId :

RVE-208

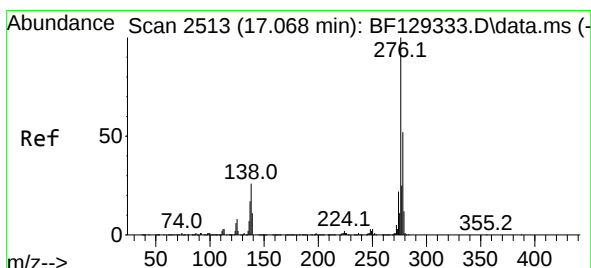
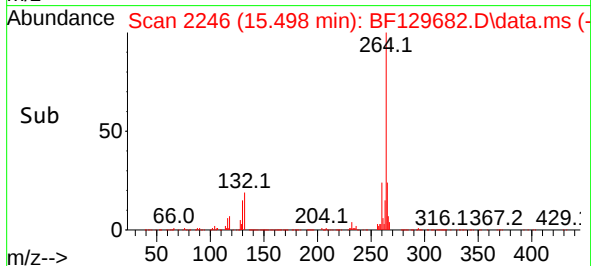
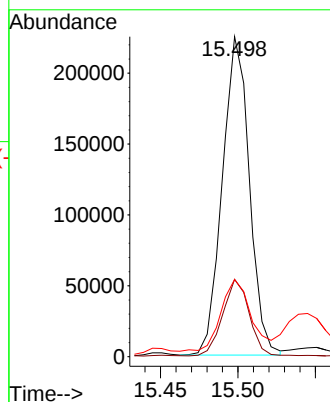
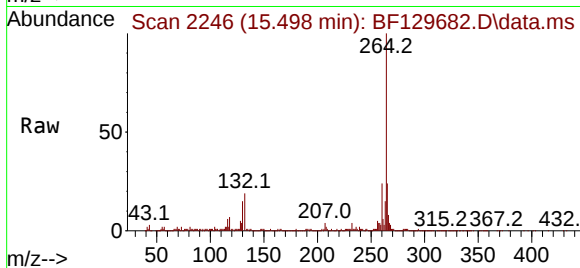
Tgt Ion:264 Resp: 272211

Ion Ratio Lower Upper

264 100

260 24.2 18.4 27.6

265 24.1 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 29.905 ng

RT: 16.992 min Scan# 2500

Delta R.T. -0.006 min

Lab File: BF129682.D

Acq: 09 Aug 2022 23:59

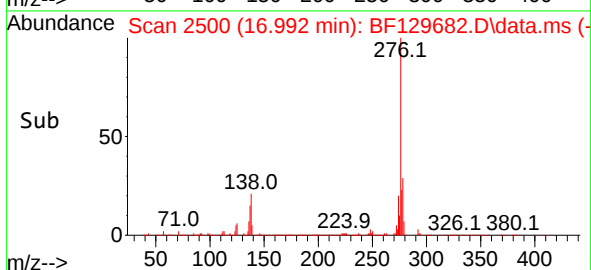
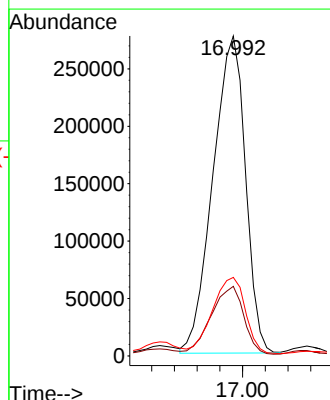
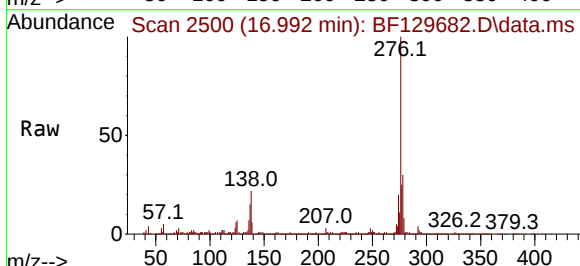
Tgt Ion:276 Resp: 548186

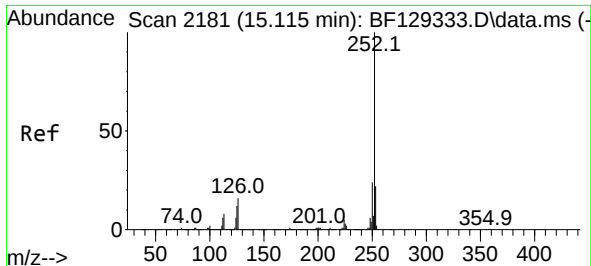
Ion Ratio Lower Upper

276 100

138 21.4 21.1 31.7

277 24.4 20.3 30.5

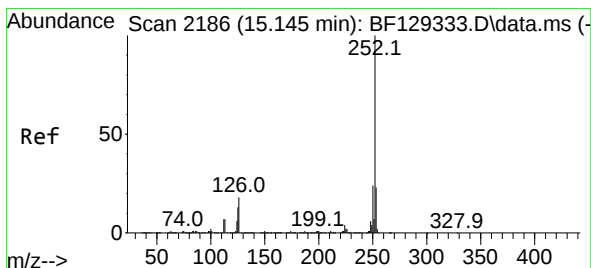
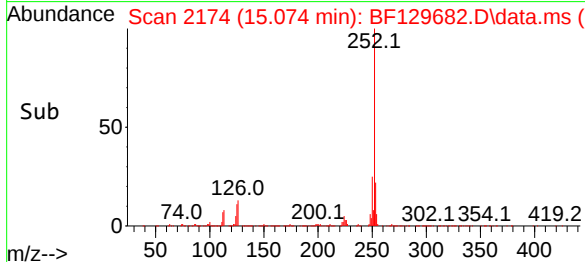
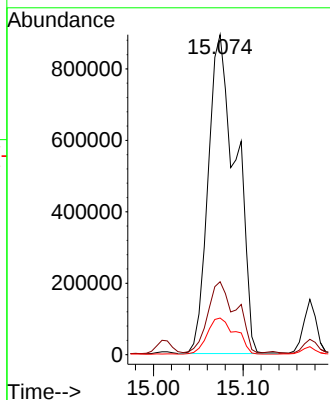
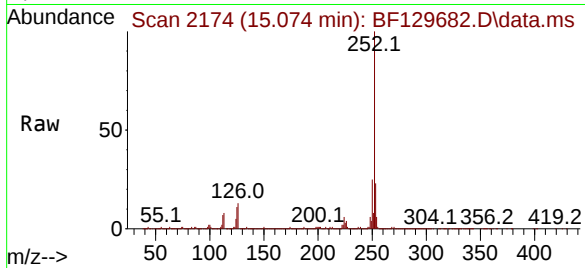




#88
Benzo(b)fluoranthene
Concen: 107.064 ng
RT: 15.074 min Scan# 2181
Delta R.T. 0.006 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

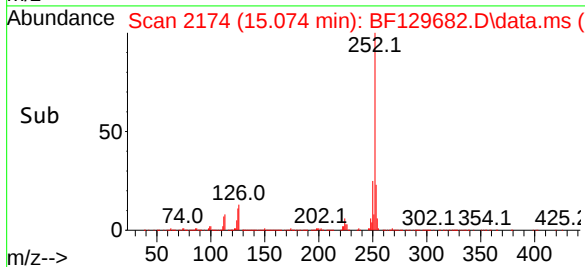
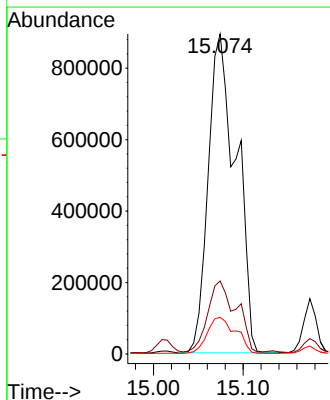
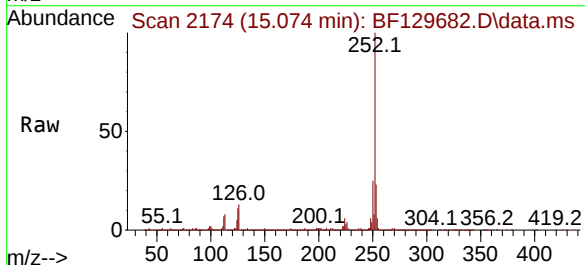
Instrument :
BNA_F
ClientSampleId :
RVE-208

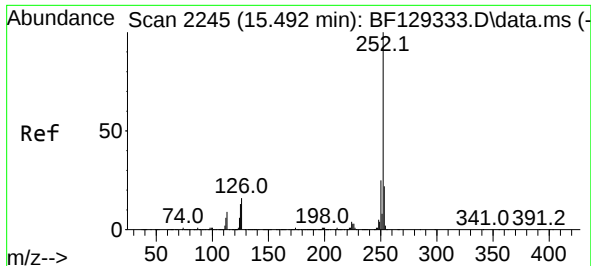
Tgt Ion:252 Resp: 1933206
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 11.4 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 109.252 ng
RT: 15.074 min Scan# 2174
Delta R.T. -0.029 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

Tgt Ion:252 Resp: 1933206
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 11.4 8.3 12.5

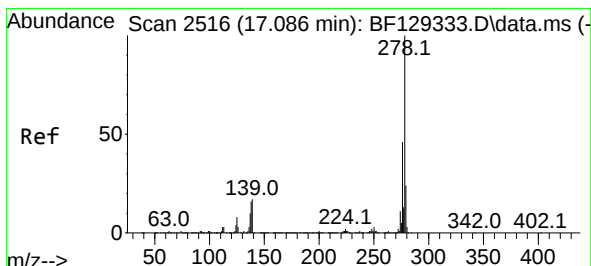
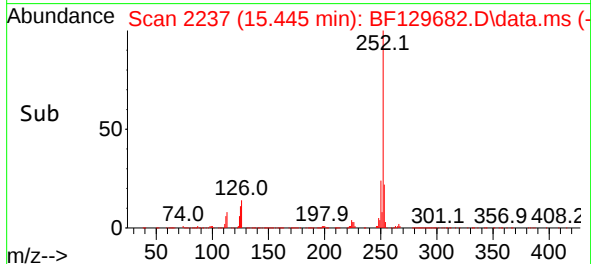
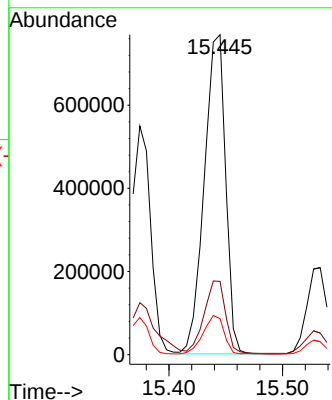
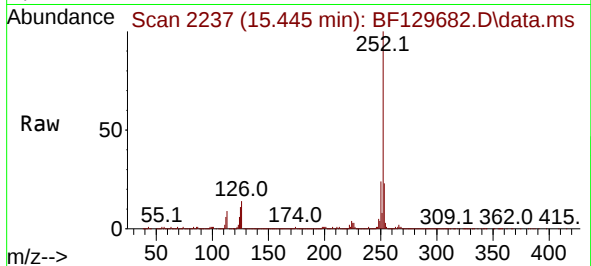




#90
Benzo(a)pyrene
Concen: 68.457 ng
RT: 15.445 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

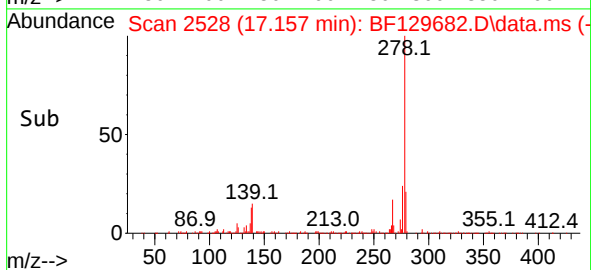
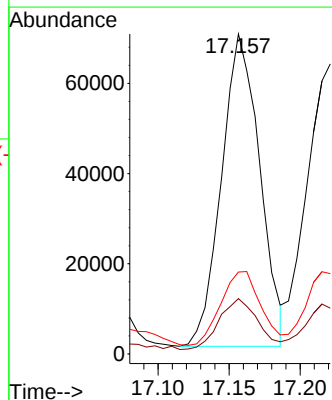
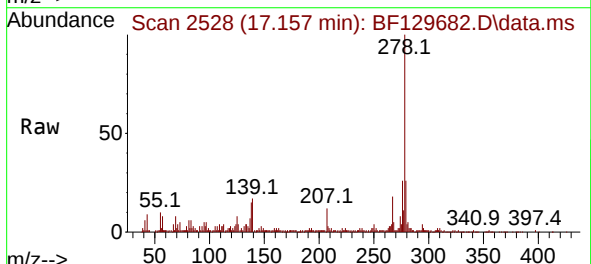
Instrument :
BNA_F
ClientSampleId :
RVE-208

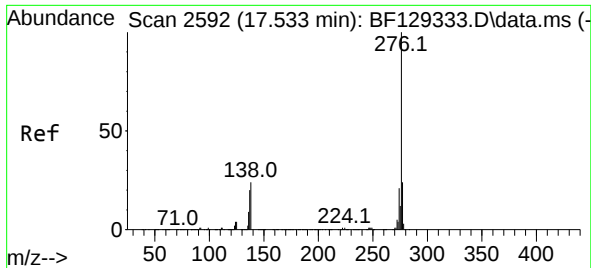
Tgt Ion:252 Resp: 1003435
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 11.3 8.8 13.2



#91
Dibenzo(a,h)anthracene
Concen: 8.695 ng
RT: 17.157 min Scan# 2528
Delta R.T. 0.147 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

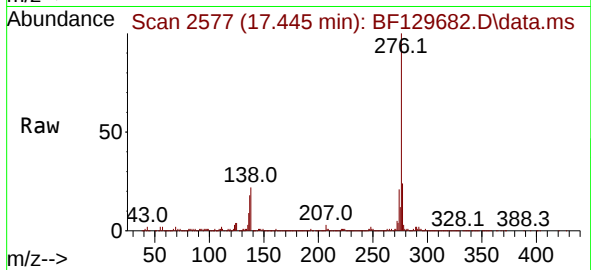
Tgt Ion:278 Resp: 129729
Ion Ratio Lower Upper
278 100
139 17.3 12.8 19.2
279 25.6 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 33.746 ng
 RT: 17.445 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF129682.D
 Acq: 09 Aug 2022 23:59

Instrument :
 BNA_F
 ClientSampleId :
 RVE-208



Tgt Ion:276 Resp: 514469
 Ion Ratio Lower Upper
 276 100
 277 24.4 19.1 28.7
 138 21.9 18.0 27.0

