

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080922\
 Data File : BF129664.D
 Acq On : 09 Aug 2022 13:39
 Operator : CG\JU
 Sample : N3963-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-210

Quant Time: Aug 09 15:17:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 16:27:34 2022
 Response via : Initial Calibration

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

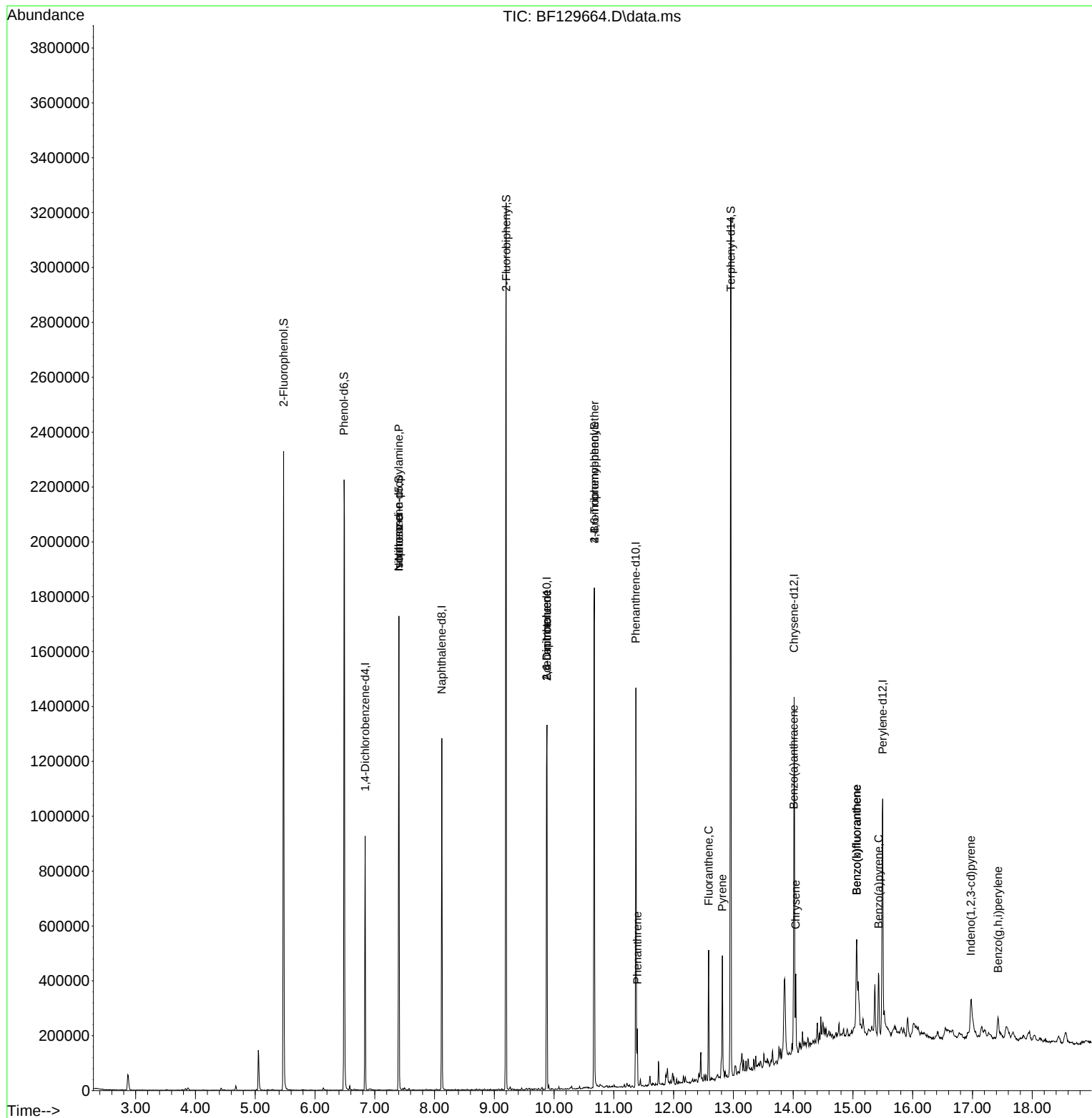
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	121916	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	484456	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	263797	20.000	ng	-0.01
64) Phenanthrene-d10	11.368	188	466390	20.000	ng	-0.01
76) Chrysene-d12	14.015	240	378702	20.000	ng	-0.01
86) Perylene-d12	15.498	264	377228	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	599094	80.049	ng	0.00
7) Phenol-d6	6.486	99	739167	78.576	ng	-0.02
23) Nitrobenzene-d5	7.404	82	484451	54.588	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	214436	84.550	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	907315	53.206	ng	-0.01
79) Terphenyl-d14	12.957	244	1013844	50.507	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	63987	11.236	ng	# 70
25) Isophorone	7.404	82	482853	30.353	ng	# 65
51) 2,6-Dinitrotoluene	9.880	165	34930	8.570	ng	# 25
57) 2,4-Dinitrotoluene	9.880	165	34930	6.560	ng	# 21
67) 4-Bromophenyl-phenylether	10.674	248	13325	2.609	ng	# 1
71) Phenanthrene	11.392	178	65470	2.572	ng	96
75) Fluoranthene	12.586	202	168144	6.518	ng	98
78) Pyrene	12.815	202	163173	5.153	ng	98
81) Benzo(a)anthracene	14.009	228	99388	3.842	ng	99
83) Chrysene	14.045	228	113750	4.666	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	66063	2.601	ng	94
88) Benzo(b)fluoranthene	15.062	252	216744	8.662	ng	# 97
89) Benzo(k)fluoranthene	15.062	252	216744	8.839	ng	98
90) Benzo(a)pyrene	15.427	252	108443	5.339	ng	97
92) Benzo(g,h,i)perylene	17.427	276	63312	2.997	ng	97

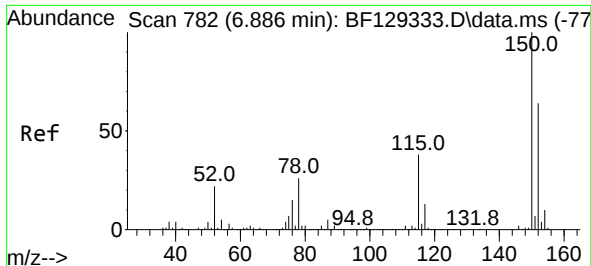
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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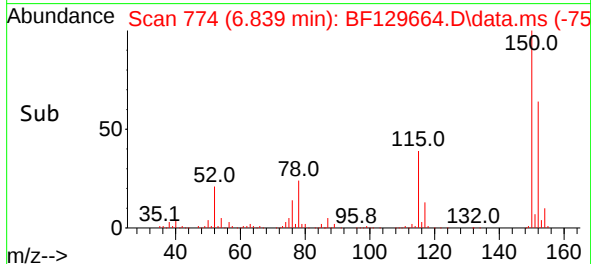
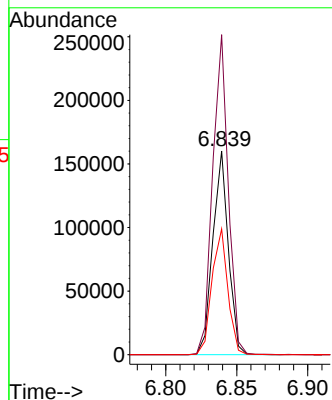
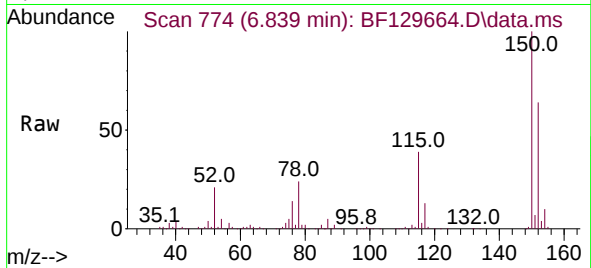




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129664.D
Acq: 09 Aug 2022 13:39

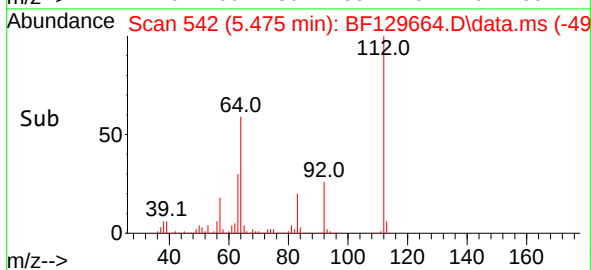
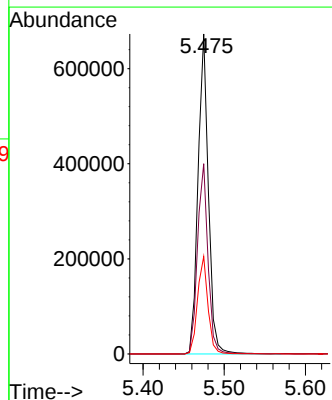
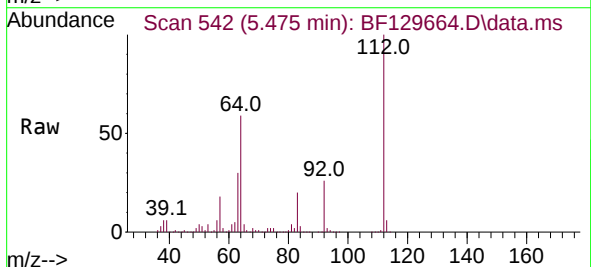
Instrument :
BNA_F
ClientSampleId :
RVE-210

Tgt Ion:152 Resp: 121916
Ion Ratio Lower Upper
152 100
150 157.1 123.7 185.5
115 61.8 49.9 74.9



#5
2-Fluorophenol
Concen: 80.049 ng
RT: 5.475 min Scan# 542
Delta R.T. -0.006 min
Lab File: BF129664.D
Acq: 09 Aug 2022 13:39

Tgt Ion:112 Resp: 599094
Ion Ratio Lower Upper
112 100
64 59.5 53.3 79.9
63 30.4 28.0 42.0

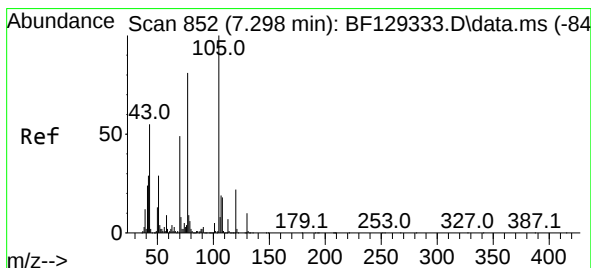
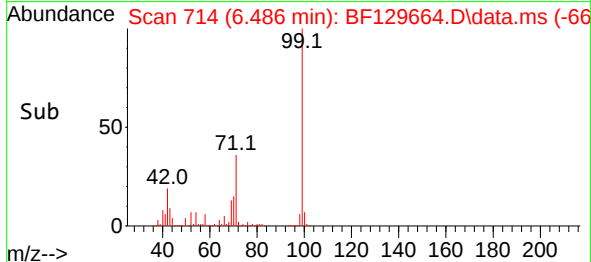
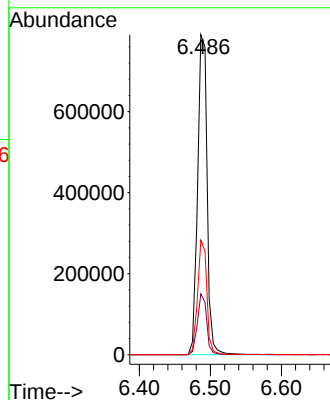
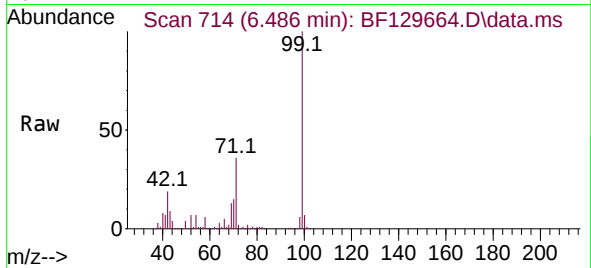




#7
Phenol-d6
Concen: 78.576 ng
RT: 6.486 min Scan# 719
Delta R.T. -0.018 min
Lab File: BF129664.D
Acq: 09 Aug 2022 13:39

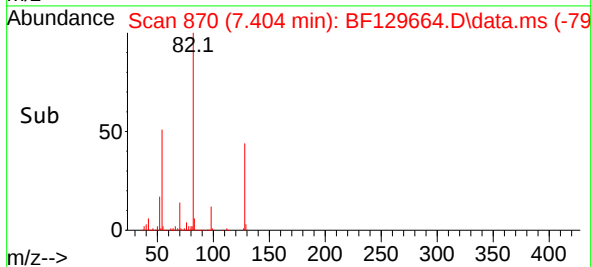
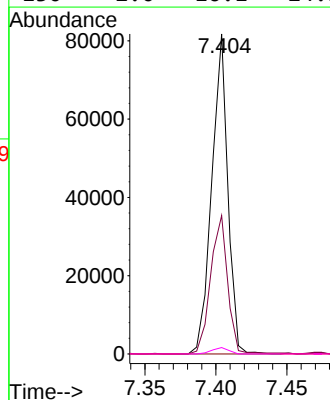
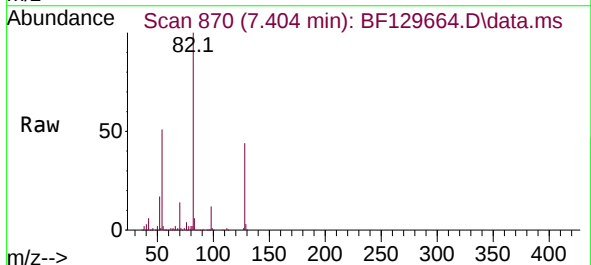
Instrument :
BNA_F
ClientSampleId :
RVE-210

Tgt Ion: 99 Resp: 739167
Ion Ratio Lower Upper
99 100
42 19.0 17.3 25.9
71 35.8 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 11.236 ng
RT: 7.404 min Scan# 870
Delta R.T. 0.135 min
Lab File: BF129664.D
Acq: 09 Aug 2022 13:39

Tgt Ion: 70 Resp: 63987
Ion Ratio Lower Upper
70 100
42 43.3 52.3 78.5#
101 0.0 7.5 11.3#
130 2.0 16.1 24.1#



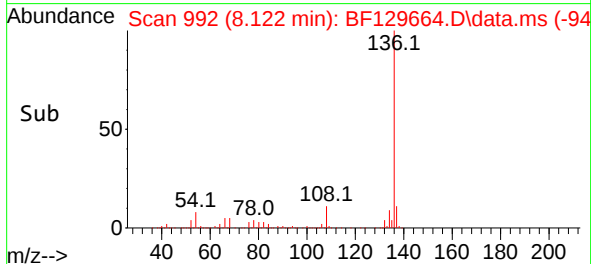
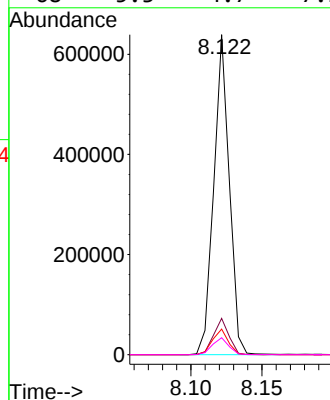
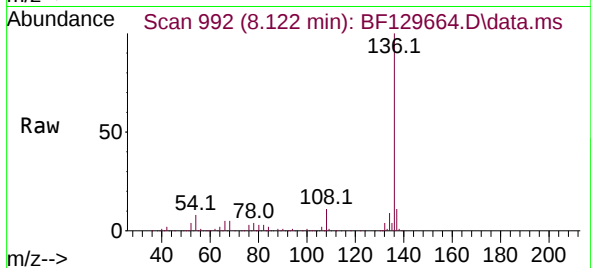


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129664.D
Acq: 09 Aug 2022 13:39

Instrument :
BNA_F
ClientSampleId :
RVE-210

Tgt Ion:136 Resp: 484456

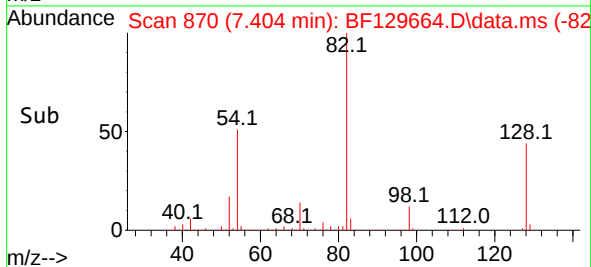
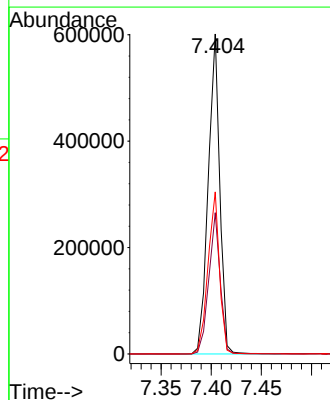
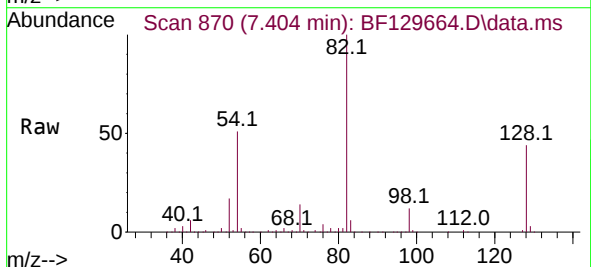
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	8.0	7.5	11.3
68	5.3	4.7	7.1



#23
Nitrobenzene-d5
Concen: 54.588 ng
RT: 7.404 min Scan# 870
Delta R.T. -0.018 min
Lab File: BF129664.D
Acq: 09 Aug 2022 13:39

Tgt Ion: 82 Resp: 484451

Ion	Ratio	Lower	Upper
82	100		
128	44.2	34.0	51.0
54	50.7	46.9	70.3

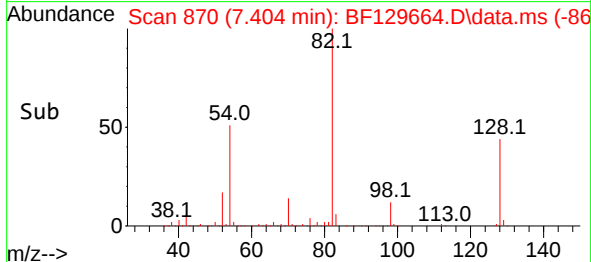
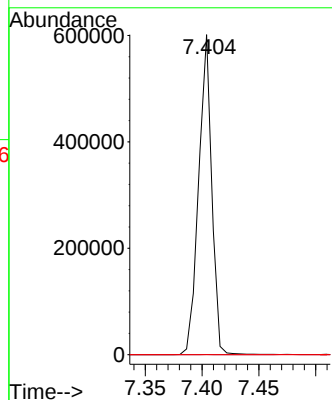
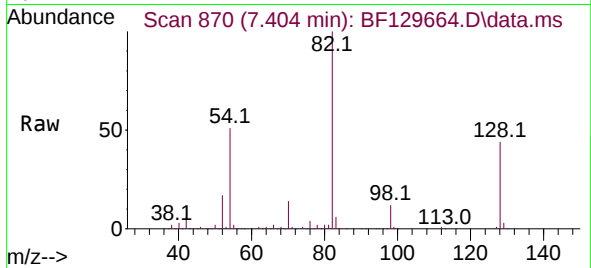




#25
Isophorone
Concen: 30.353 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.277 min
Lab File: BF129664.D
Acq: 09 Aug 2022 13:39

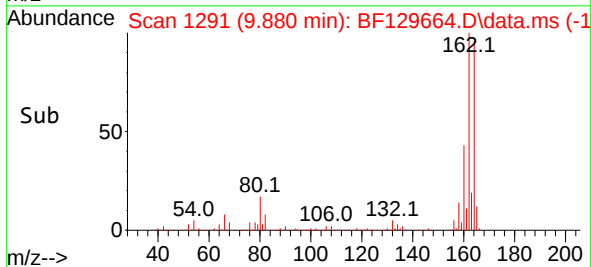
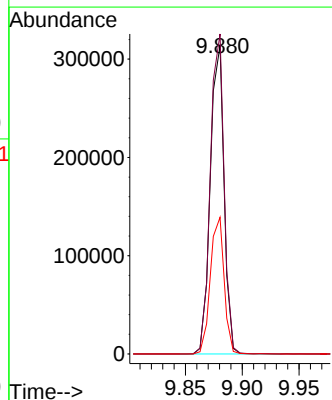
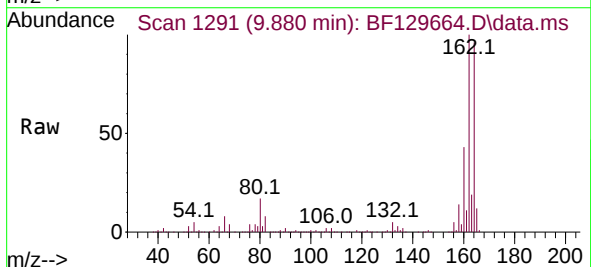
Instrument :
BNA_F
ClientSampleId :
RVE-210

Tgt Ion: 82 Resp: 482853
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129664.D
Acq: 09 Aug 2022 13:39

Tgt Ion:164 Resp: 263797
Ion Ratio Lower Upper
164 100
162 103.7 79.5 119.3
160 44.3 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 84.550 ng

RT: 10.674 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF129664.D

Acq: 09 Aug 2022 13:39

Instrument :

BNA_F

ClientSampleId :

RVE-210

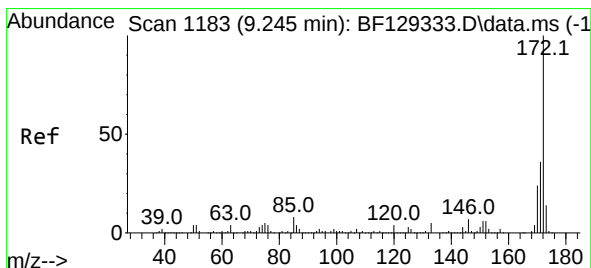
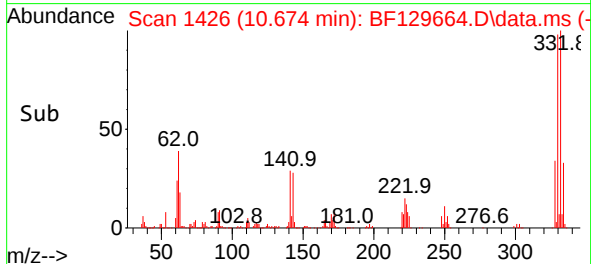
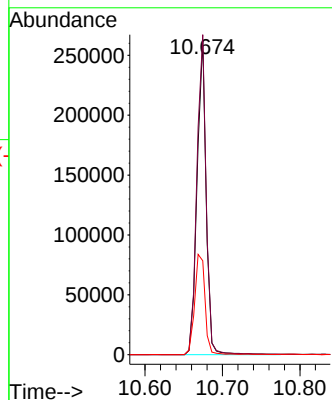
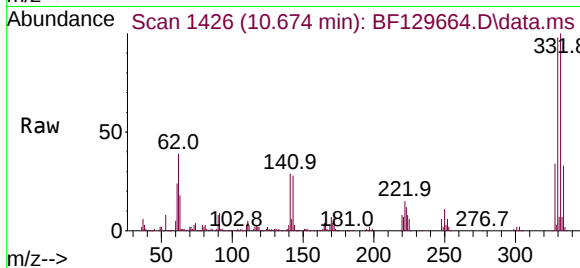
Tgt Ion:330 Resp: 214436

Ion Ratio Lower Upper

330 100

332 104.2 76.8 115.2

141 36.2 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 53.206 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.012 min

Lab File: BF129664.D

Acq: 09 Aug 2022 13:39

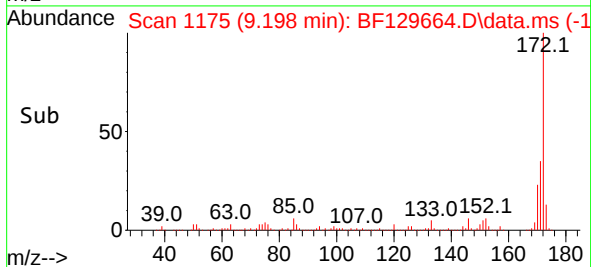
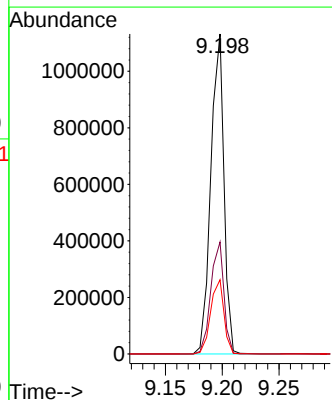
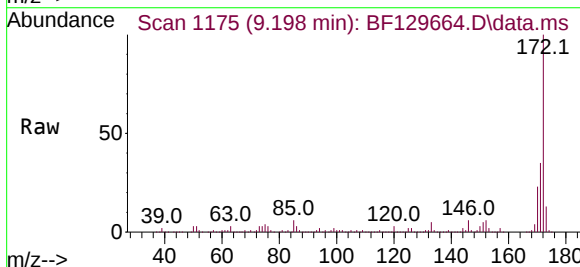
Tgt Ion:172 Resp: 907315

Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.2 19.8 29.8

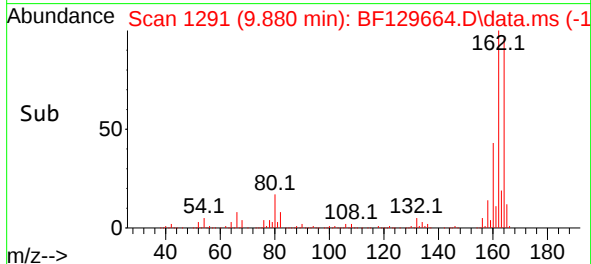
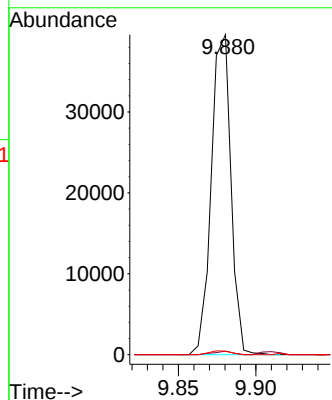
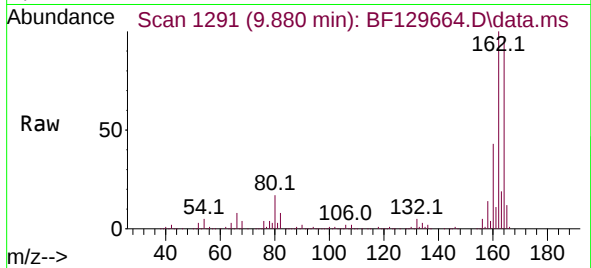




#51
2,6-Dinitrotoluene
Concen: 8.570 ng
RT: 9.880 min Scan# 1291
Delta R.T. 0.200 min
Lab File: BF129664.D
Acq: 09 Aug 2022 13:39

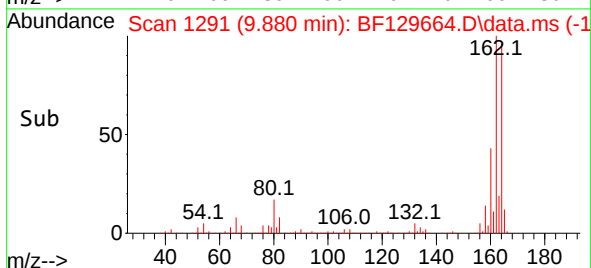
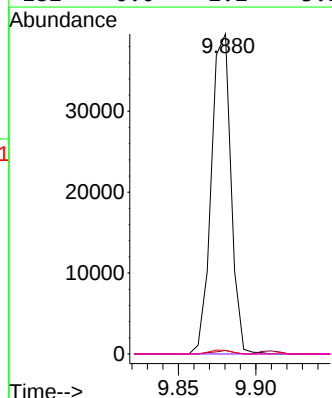
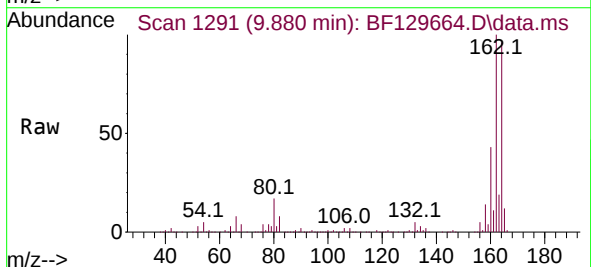
Instrument :
BNA_F
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Tgt Ion:165 Resp: 34930
Ion Ratio Lower Upper
165 100
63 1.1 44.9 67.3#
89 1.1 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 6.560 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.206 min
Lab File: BF129664.D
Acq: 09 Aug 2022 13:39

Tgt Ion:165 Resp: 34930
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: 11.368 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129664.D

Acq: 09 Aug 2022 13:39

Instrument :

BNA_F

ClientSampleId :

RVE-210

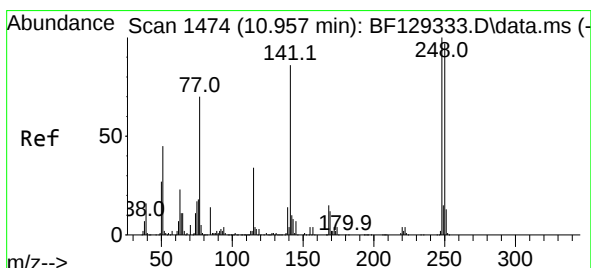
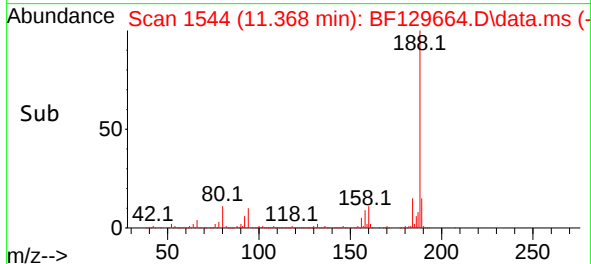
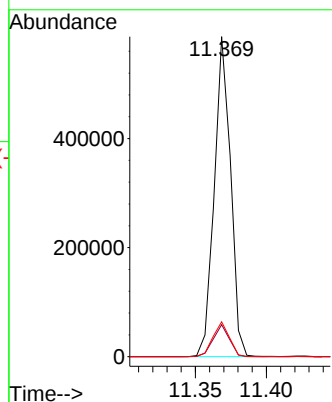
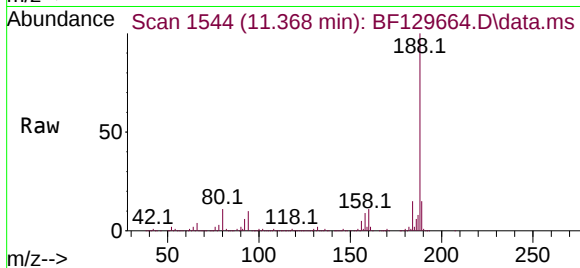
Tgt Ion:188 Resp: 466390

Ion Ratio Lower Upper

188 100

94 10.0 7.0 10.6

80 10.9 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 2.609 ng

RT: 10.674 min Scan# 1426

Delta R.T. -0.247 min

Lab File: BF129664.D

Acq: 09 Aug 2022 13:39

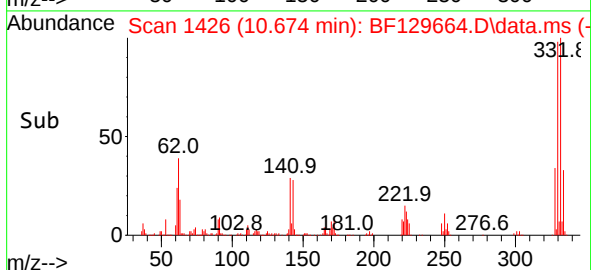
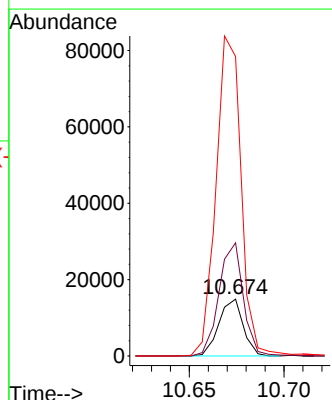
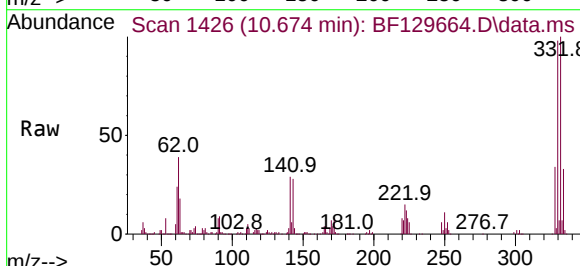
Tgt Ion:248 Resp: 13325

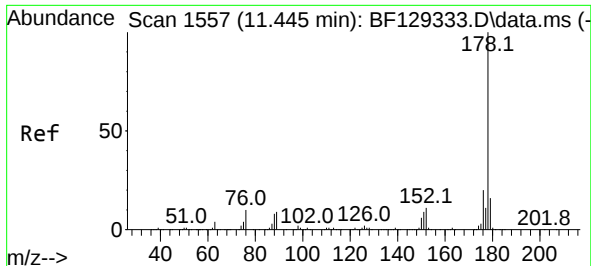
Ion Ratio Lower Upper

248 100

250 199.2 80.6 120.8#

141 527.2 58.9 88.3#

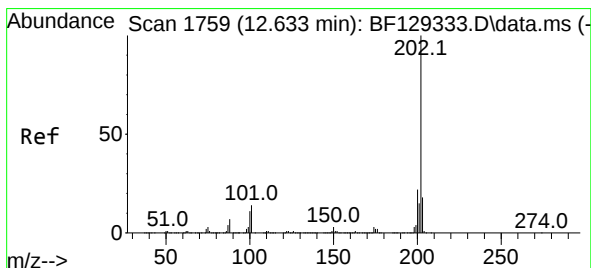
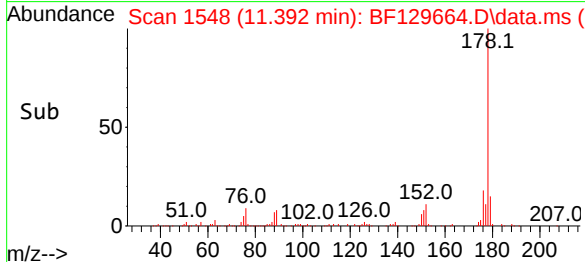
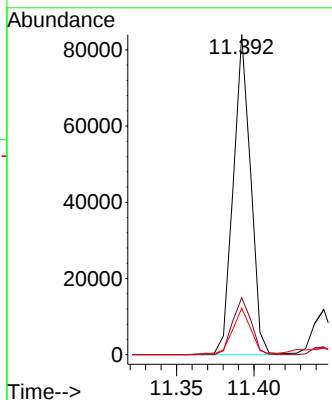
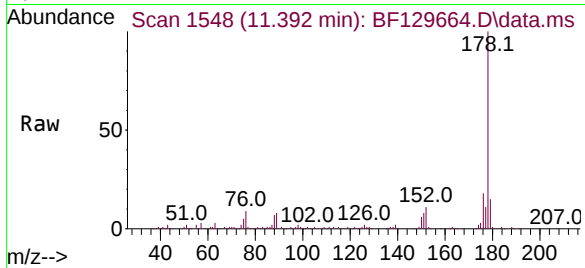




#71
Phenanthrene
Concen: 2.572 ng
RT: 11.392 min Scan# 11392
Delta R.T. -0.018 min
Lab File: BF129664.D
Acq: 09 Aug 2022 13:39

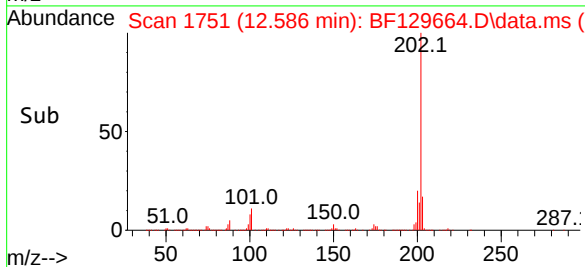
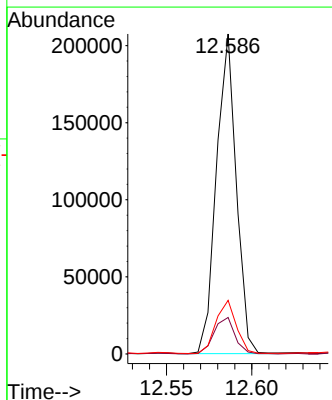
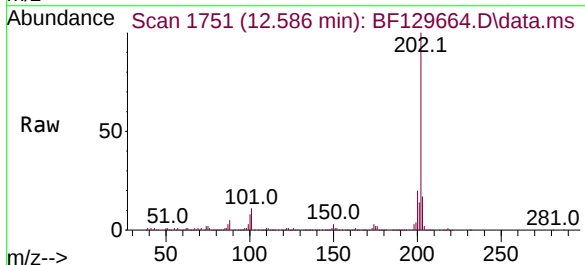
Instrument :
BNA_F
ClientSampleId :
RVE-210

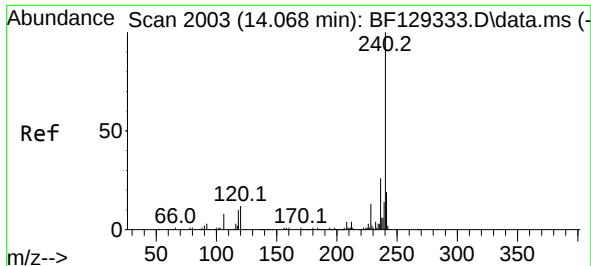
Tgt Ion:178 Resp: 65470
Ion Ratio Lower Upper
178 100
176 17.8 16.0 24.0
179 14.6 12.6 19.0



#75
Fluoranthene
Concen: 6.518 ng
RT: 12.586 min Scan# 1751
Delta R.T. -0.012 min
Lab File: BF129664.D
Acq: 09 Aug 2022 13:39

Tgt Ion:202 Resp: 168144
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.4
203 16.8 0.0 38.0

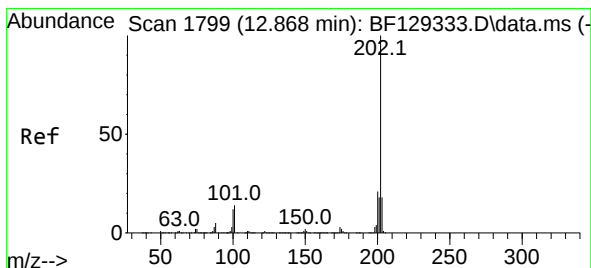
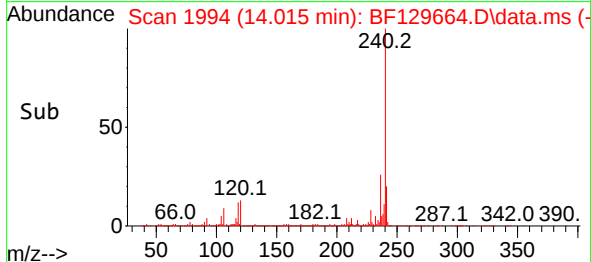
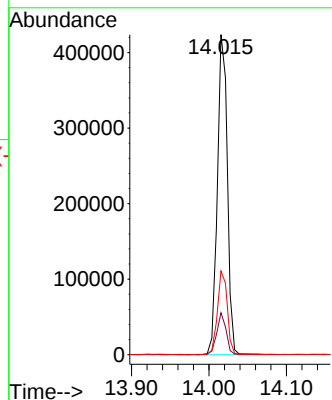
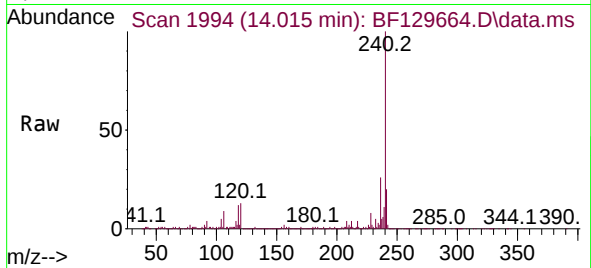




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129664.D
Acq: 09 Aug 2022 13:39

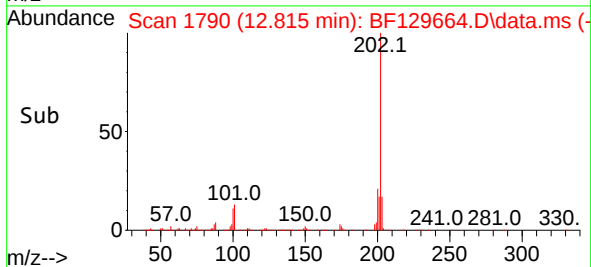
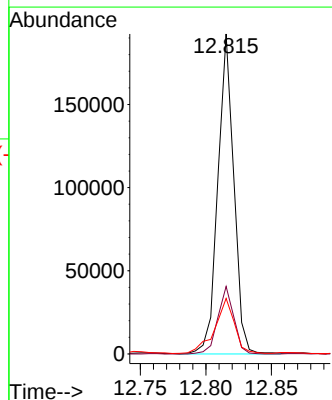
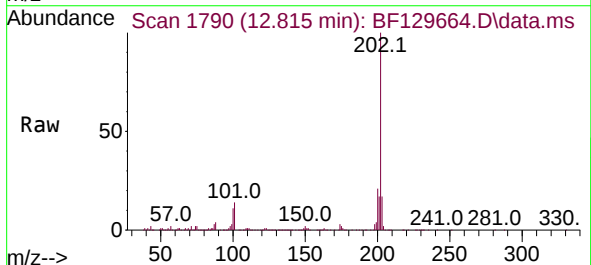
Instrument :
BNA_F
ClientSampleId :
RVE-210

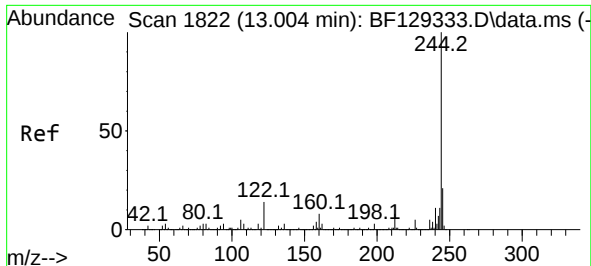
Tgt Ion:240 Resp: 378702
Ion Ratio Lower Upper
240 100
120 13.1 8.9 13.3
236 26.1 20.8 31.2



#78
Pyrene
Concen: 5.153 ng
RT: 12.815 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF129664.D
Acq: 09 Aug 2022 13:39

Tgt Ion:202 Resp: 163173
Ion Ratio Lower Upper
202 100
200 21.1 17.7 26.5
203 17.3 14.6 21.8

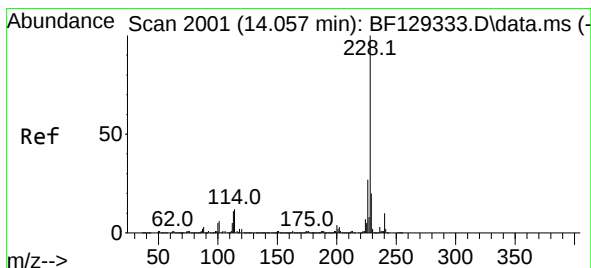
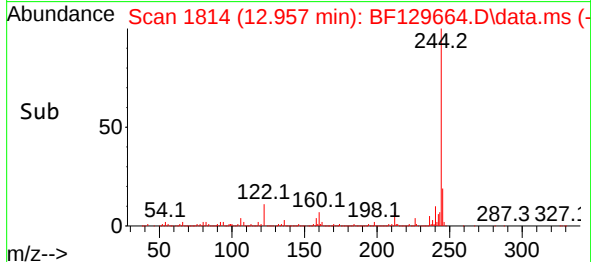
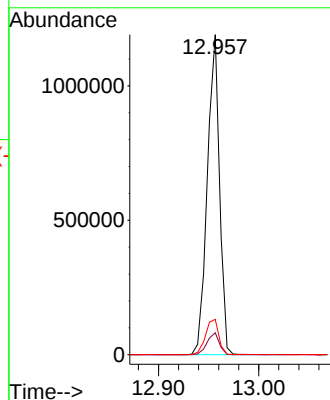
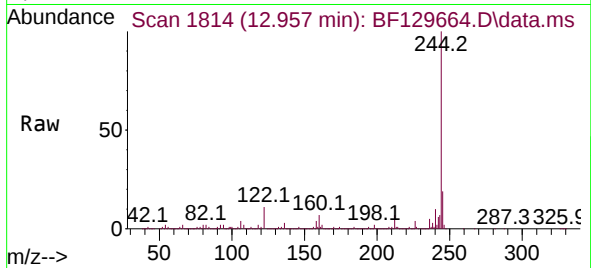




#79
 Terphenyl-d14
 Concen: 50.507 ng
 RT: 12.957 min Scan# 1814
 Delta R.T. -0.012 min
 Lab File: BF129664.D
 Acq: 09 Aug 2022 13:39

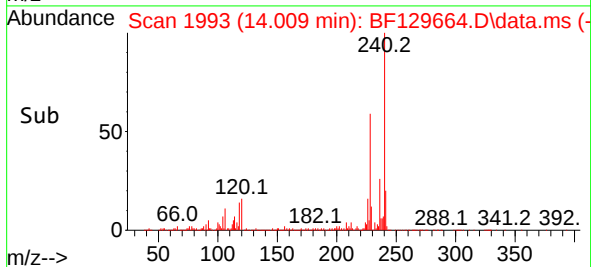
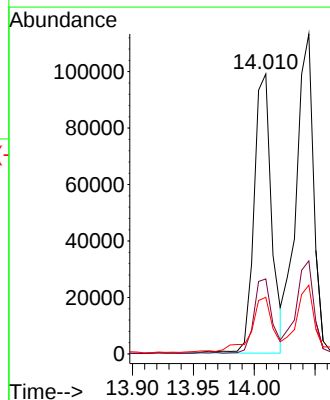
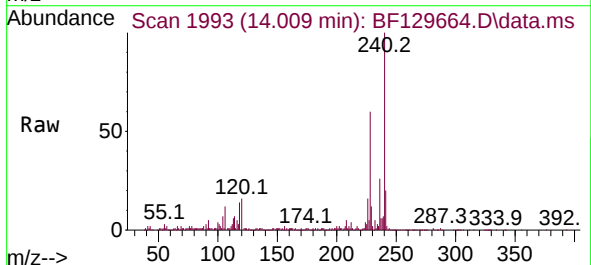
Instrument :
 BNA_F
 ClientSampleId :
 RVE-210

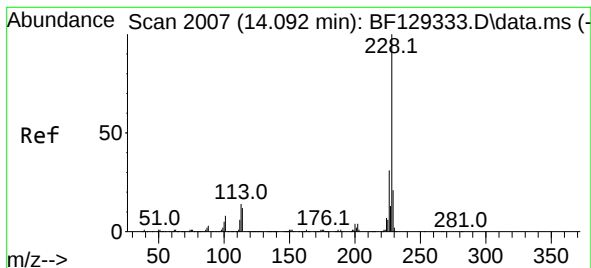
Tgt Ion:244 Resp: 1013844
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 11.0 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 3.842 ng
 RT: 14.009 min Scan# 1993
 Delta R.T. -0.006 min
 Lab File: BF129664.D
 Acq: 09 Aug 2022 13:39

Tgt Ion:228 Resp: 99388
 Ion Ratio Lower Upper
 228 100
 226 26.8 22.1 33.1
 229 20.3 15.8 23.8





#83

Chrysene

Concen: 4.666 ng

RT: 14.045 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF129664.D

Acq: 09 Aug 2022 13:39

Instrument :

BNA_F

ClientSampleId :

RVE-210

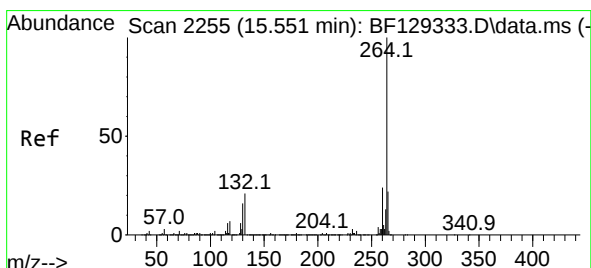
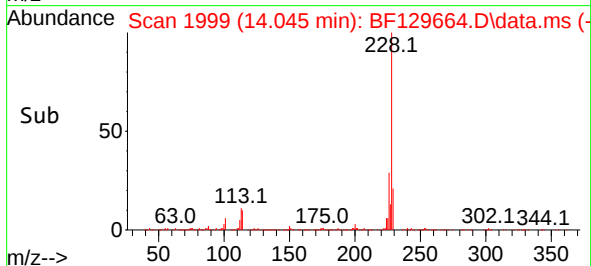
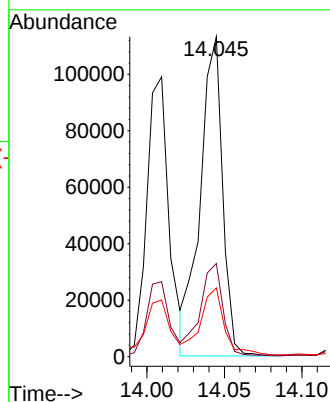
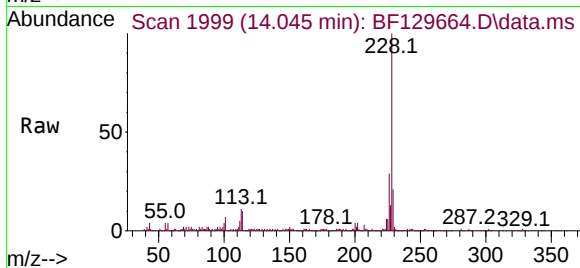
Tgt Ion:228 Resp: 113750

Ion Ratio Lower Upper

228 100

226 29.1 24.3 36.5

229 21.5 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2246

Delta R.T. -0.006 min

Lab File: BF129664.D

Acq: 09 Aug 2022 13:39

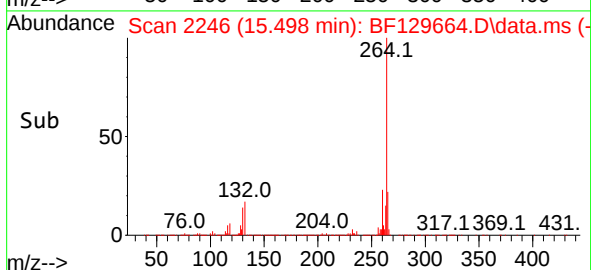
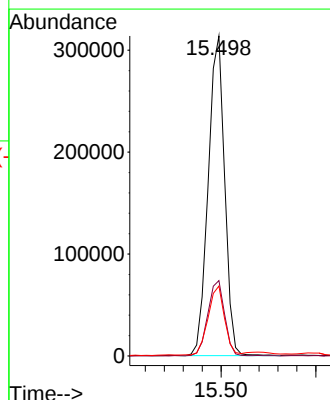
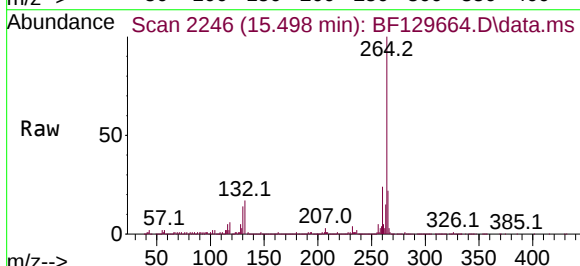
Tgt Ion:264 Resp: 377228

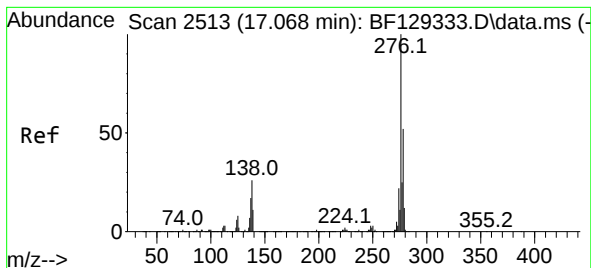
Ion Ratio Lower Upper

264 100

260 23.5 18.4 27.6

265 21.8 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.601 ng

RT: 16.974 min Scan# 2497

Delta R.T. -0.024 min

Lab File: BF129664.D

Acq: 09 Aug 2022 13:39

Instrument :

BNA_F

ClientSampleId :

RVE-210

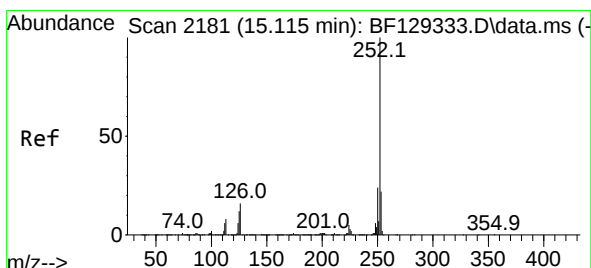
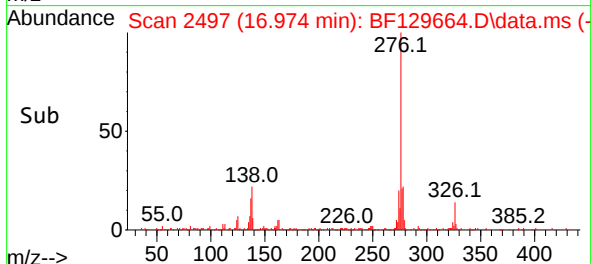
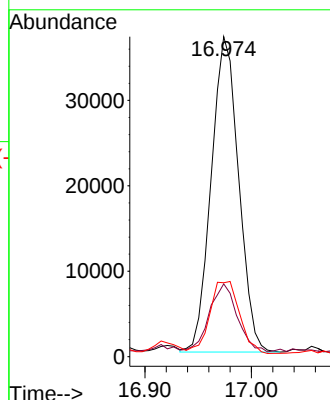
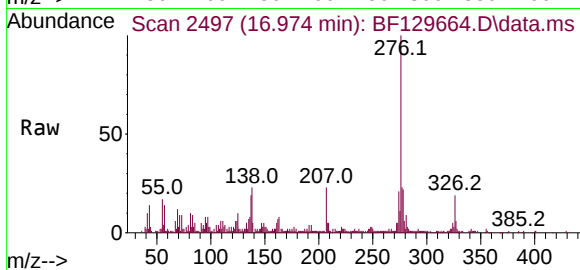
Tgt Ion:276 Resp: 66063

Ion Ratio Lower Upper

276 100

138 21.4 21.1 31.7

277 24.9 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 8.662 ng

RT: 15.062 min Scan# 2172

Delta R.T. -0.006 min

Lab File: BF129664.D

Acq: 09 Aug 2022 13:39

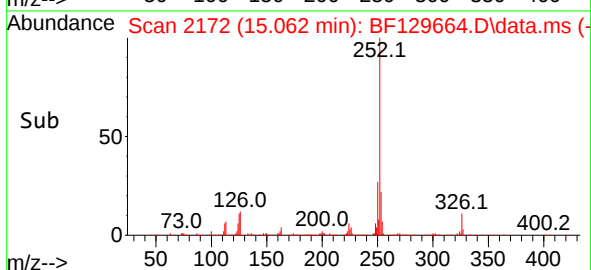
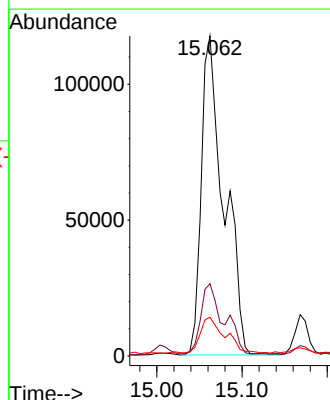
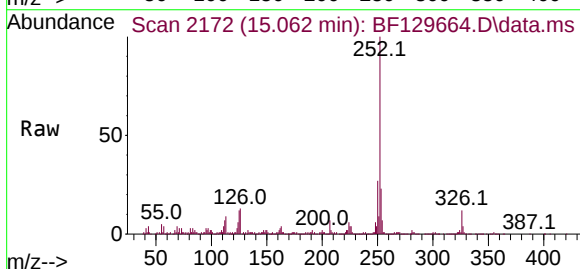
Tgt Ion:252 Resp: 216744

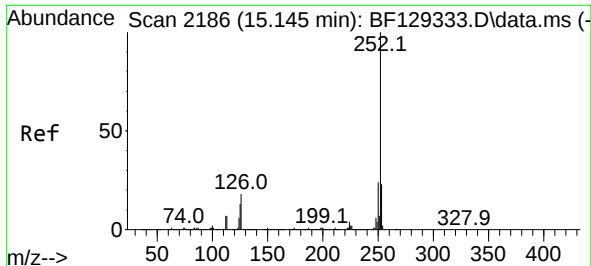
Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 12.1 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 8.839 ng

RT: 15.062 min Scan# 2186

Delta R.T. -0.041 min

Lab File: BF129664.D

Acq: 09 Aug 2022 13:39

Instrument :

BNA_F

ClientSampleId :

RVE-210

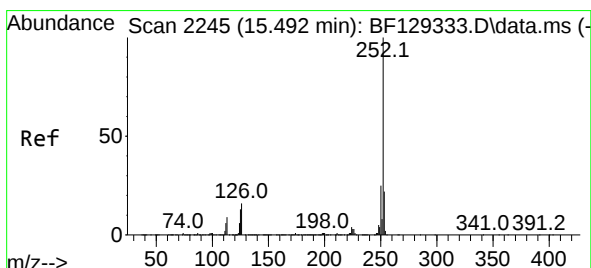
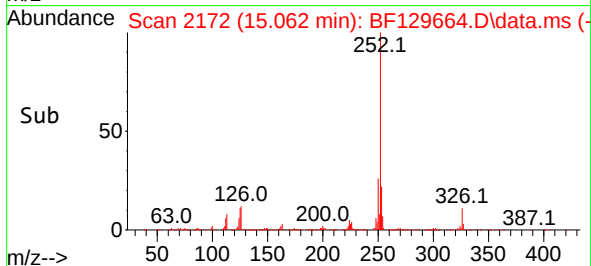
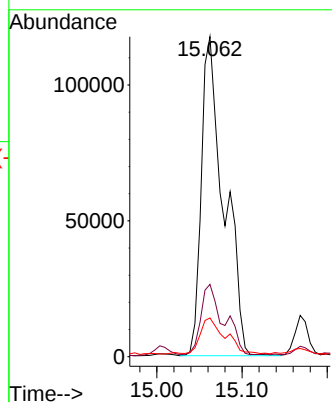
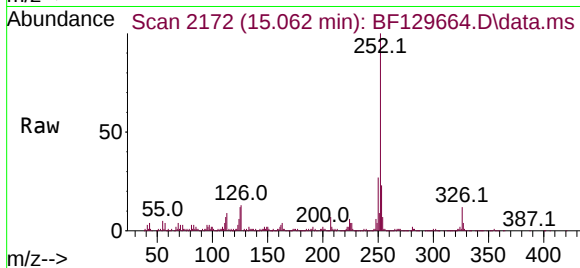
Tgt Ion:252 Resp: 216744

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 12.1 8.3 12.5



#90

Benzo(a)pyrene

Concen: 5.339 ng

RT: 15.427 min Scan# 2234

Delta R.T. -0.012 min

Lab File: BF129664.D

Acq: 09 Aug 2022 13:39

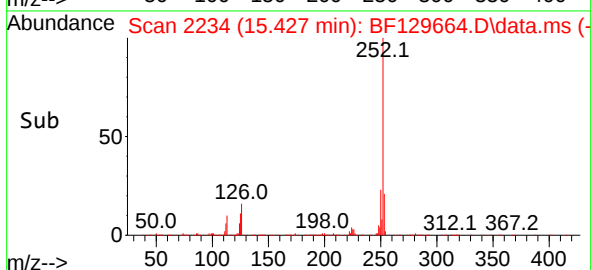
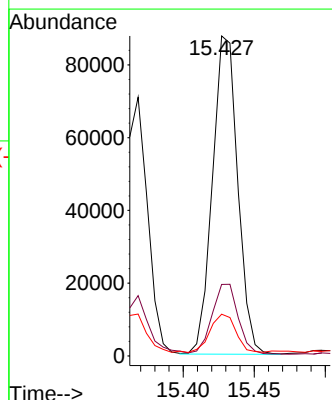
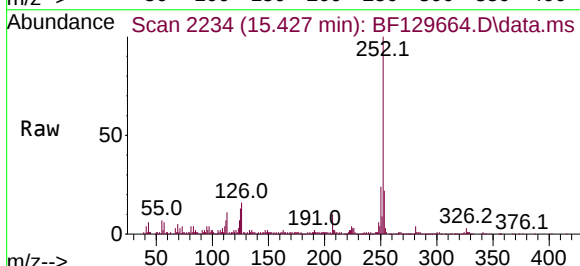
Tgt Ion:252 Resp: 108443

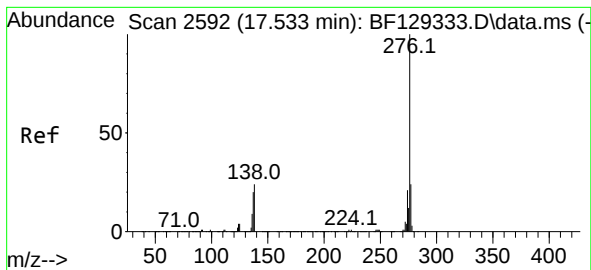
Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.6

125 13.0 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 2.997 ng

RT: 17.427 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF129664.D

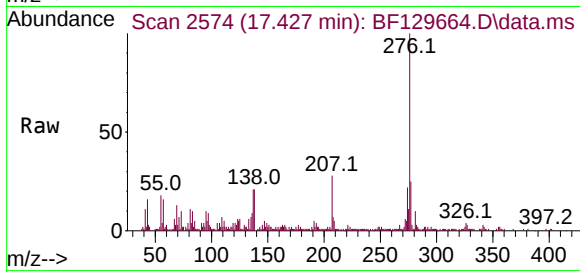
Acq: 09 Aug 2022 13:39

Instrument :

BNA_F

ClientSampleId :

RVE-210



Tgt Ion:276 Resp: 63312

Ion Ratio Lower Upper

276 100

277 24.8 19.1 28.7

138 20.6 18.0 27.0

