

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080922\
 Data File : BF129671.D
 Acq On : 09 Aug 2022 17:43
 Operator : CG\JU
 Sample : N3962-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-187

Quant Time: Aug 10 05:32:06 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)

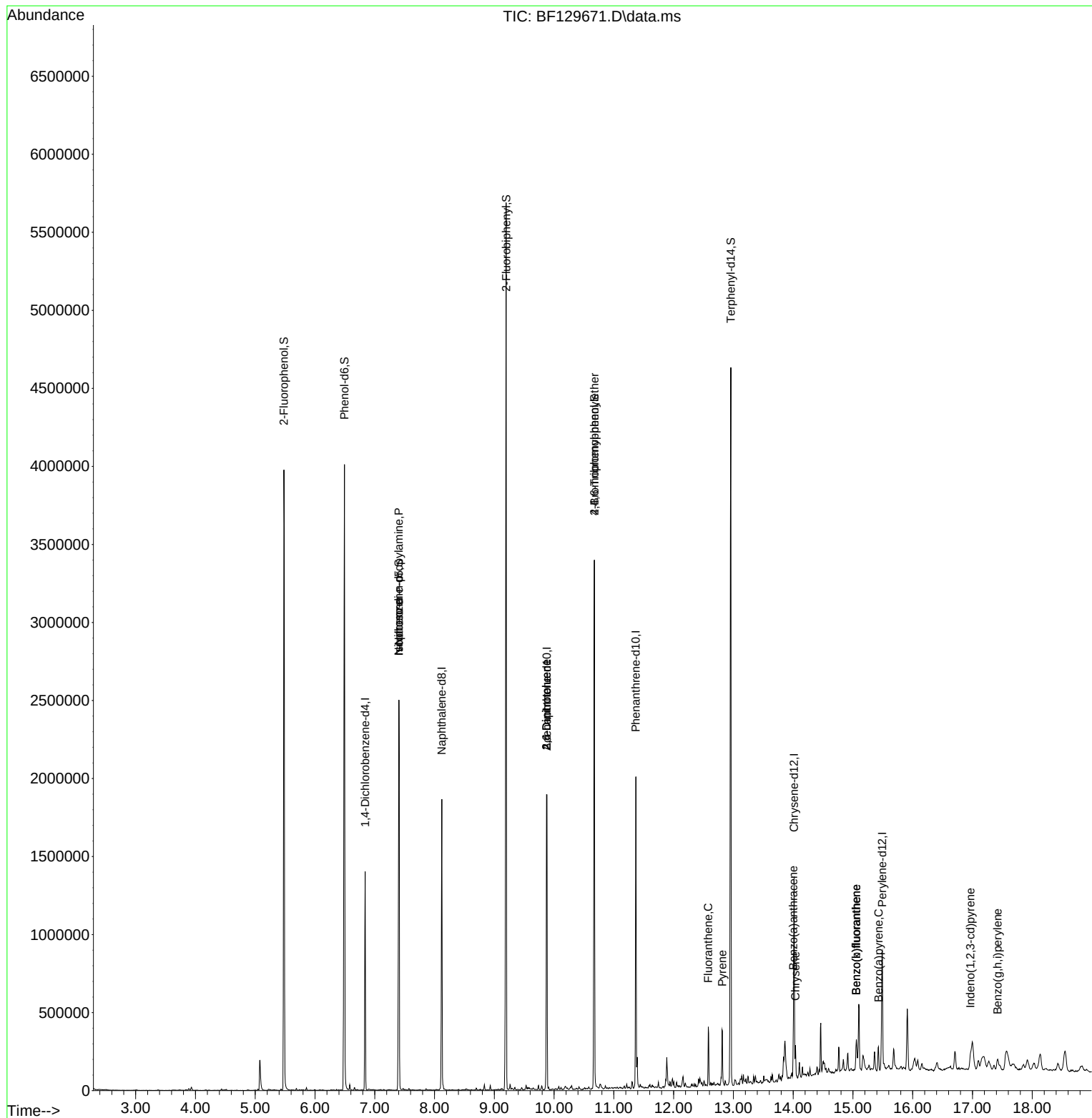
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	197680	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	791944	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	412282	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	645043	20.000	ng	-0.01
76) Chrysene-d12	14.016	240	380082	20.000	ng	-0.01
86) Perylene-d12	15.492	264	340865	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1137767	93.759	ng	0.00
7) Phenol-d6	6.492	99	1438933	94.337	ng	-0.01
23) Nitrobenzene-d5	7.404	82	944419	65.099	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	381784	96.318	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1689596	63.396	ng	-0.01
79) Terphenyl-d14	12.957	244	1495289	74.220	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	125319	13.571	ng	# 74
25) Isophorone	7.404	82	937345	36.045	ng	# 65
51) 2,6-Dinitrotoluene	9.875	165	55026	8.638	ng	# 25
57) 2,4-Dinitrotoluene	9.875	165	55026	6.612	ng	# 21
67) 4-Bromophenyl-phenylether	10.675	248	24197	3.426	ng	# 1
75) Fluoranthene	12.580	202	136676	3.831	ng	98
78) Pyrene	12.816	202	143047	4.501	ng	97
81) Benzo(a)anthracene	14.004	228	70305	2.708	ng	98
83) Chrysene	14.039	228	73721	3.013	ng	96
87) Indeno(1,2,3-cd)pyrene	16.968	276	50087	2.182	ng	96
88) Benzo(b)fluoranthene	15.057	252	132136	5.844	ng	# 97
89) Benzo(k)fluoranthene	15.057	252	132136	5.963	ng	# 97
90) Benzo(a)pyrene	15.427	252	70592	3.846	ng	96
92) Benzo(g,h,i)perylene	17.421	276	53574	2.806	ng	98

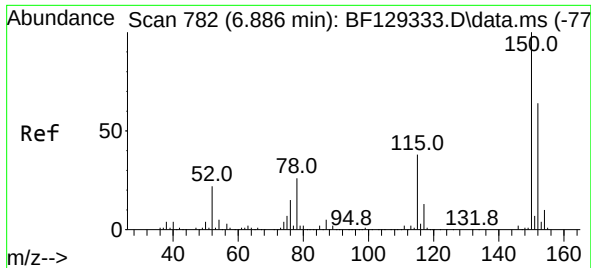
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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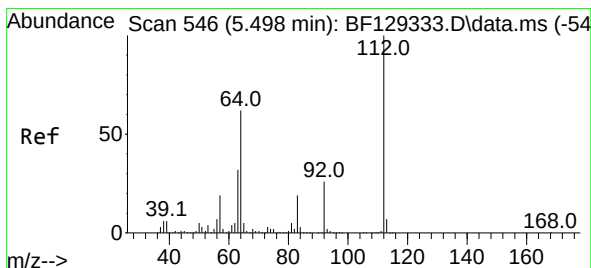
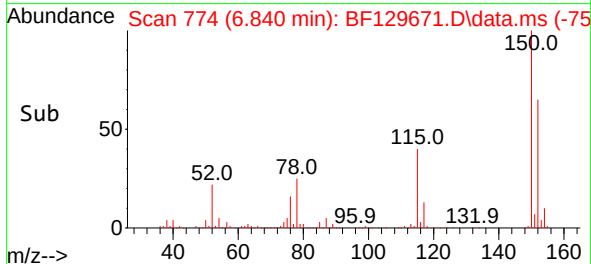
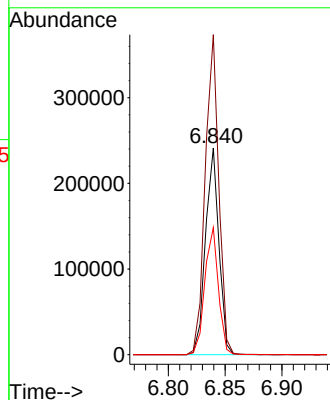
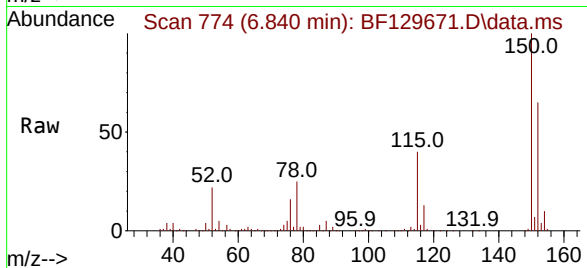




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.840 min Scan# 71
 Delta R.T. -0.011 min
 Lab File: BF129671.D
 Acq: 09 Aug 2022 17:43

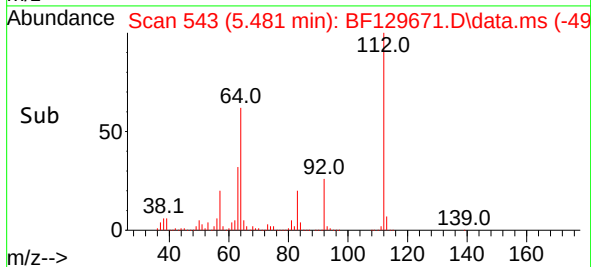
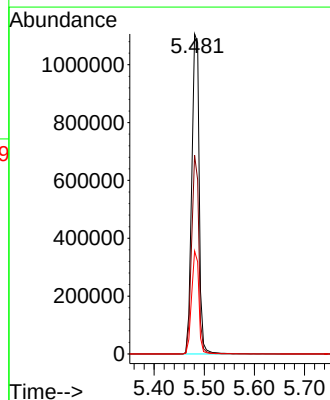
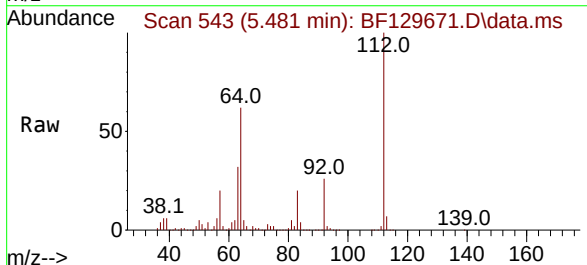
Instrument :
 BNA_F
 ClientSampleId :
 RVE-187

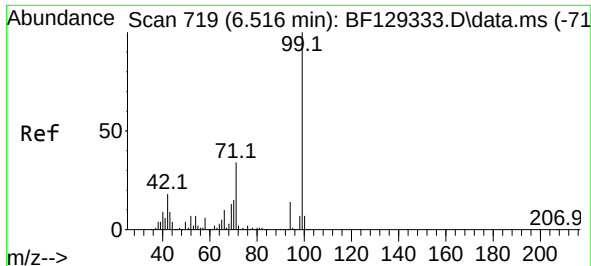
Tgt Ion:152 Resp: 197680
 Ion Ratio Lower Upper
 152 100
 150 154.7 123.7 185.5
 115 61.4 49.9 74.9



#5
 2-Fluorophenol
 Concen: 93.759 ng
 RT: 5.481 min Scan# 543
 Delta R.T. -0.000 min
 Lab File: BF129671.D
 Acq: 09 Aug 2022 17:43

Tgt Ion:112 Resp: 1137767
 Ion Ratio Lower Upper
 112 100
 64 62.1 53.3 79.9
 63 32.2 28.0 42.0



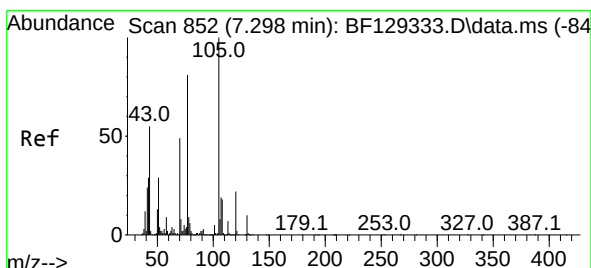
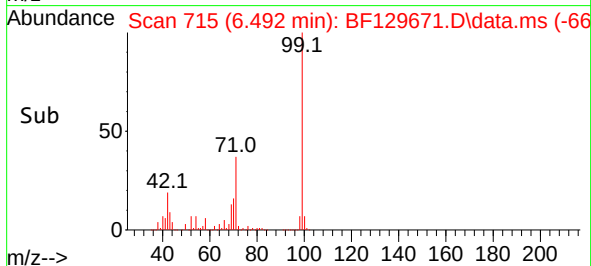
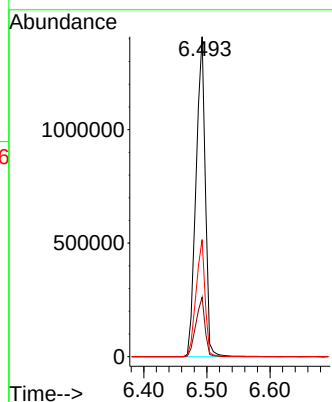
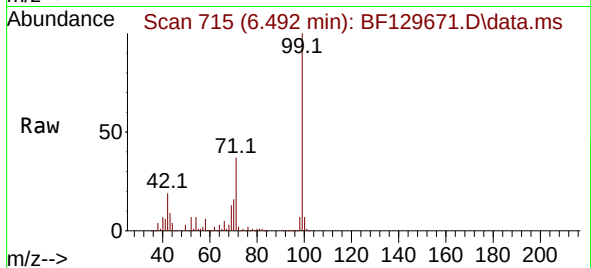


#7
Phenol-d6
Concen: 94.337 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129671.D
Acq: 09 Aug 2022 17:43

Instrument :
BNA_F
ClientSampleId :
RVE-187

Tgt Ion: 99 Resp: 1438933

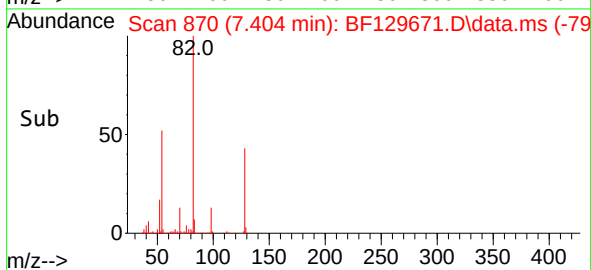
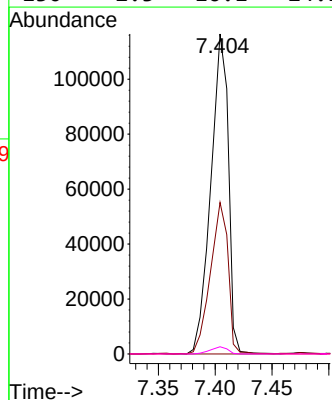
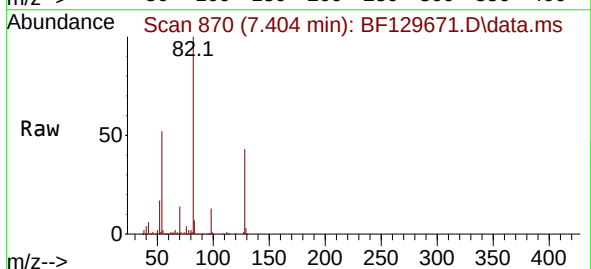
Ion	Ratio	Lower	Upper
99	100		
42	18.6	17.3	25.9
71	36.6	28.9	43.3

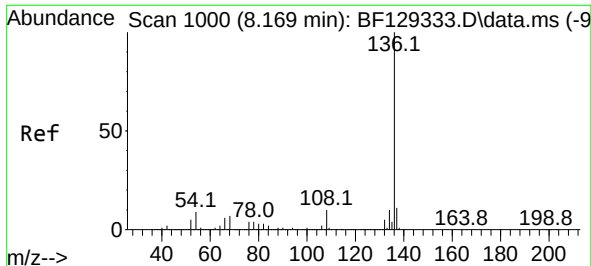


#19
n-Nitroso-di-n-propylamine
Concen: 13.571 ng
RT: 7.404 min Scan# 870
Delta R.T. 0.135 min
Lab File: BF129671.D
Acq: 09 Aug 2022 17:43

Tgt Ion: 70 Resp: 125319

Ion	Ratio	Lower	Upper
70	100		
42	47.3	52.3	78.5#
101	0.0	7.5	11.3#
130	2.3	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: BF129671.D

Acq: 09 Aug 2022 17:43

Instrument :

BNA_F

ClientSampleId :

RVE-187

Tgt Ion:136 Resp: 791944

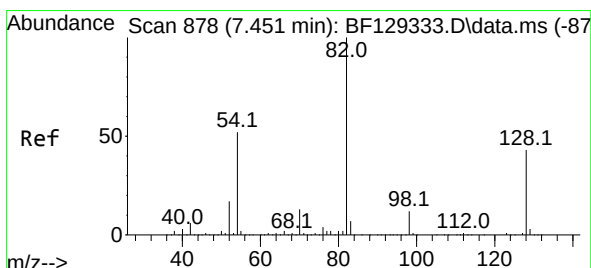
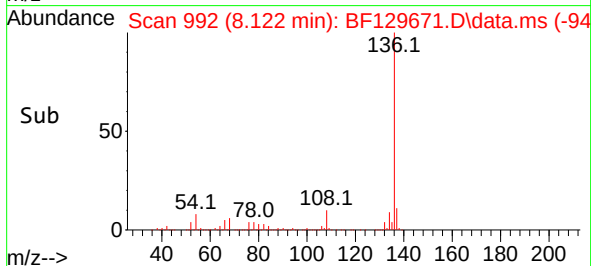
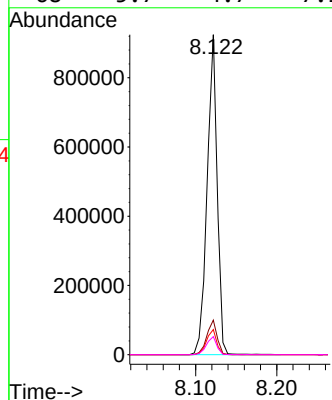
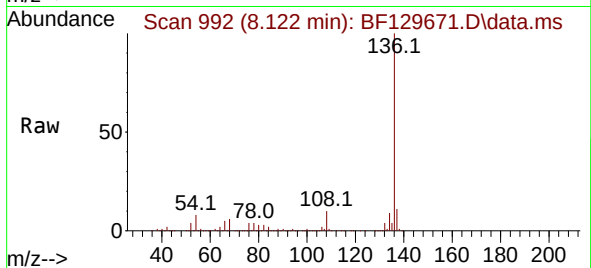
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 7.9 7.5 11.3

68 5.7 4.7 7.1



#23

Nitrobenzene-d5

Concen: 65.099 ng

RT: 7.404 min Scan# 870

Delta R.T. -0.018 min

Lab File: BF129671.D

Acq: 09 Aug 2022 17:43

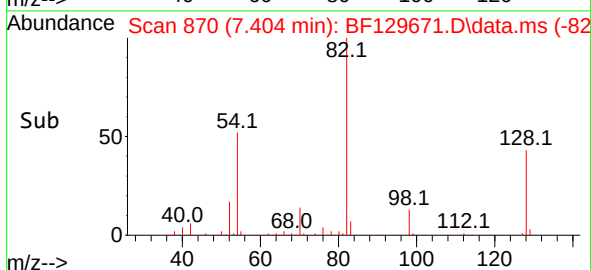
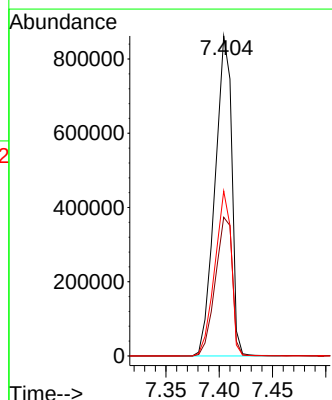
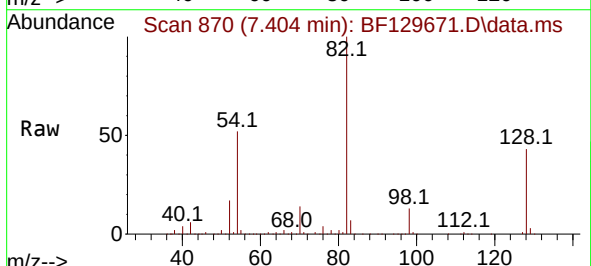
Tgt Ion: 82 Resp: 944419

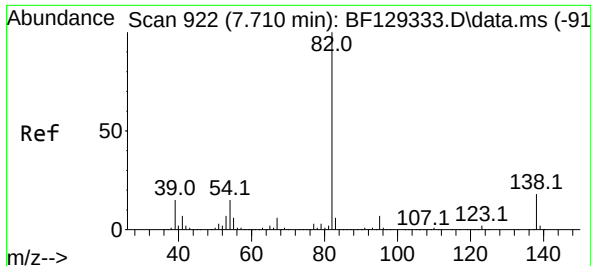
Ion Ratio Lower Upper

82 100

128 43.3 34.0 51.0

54 51.5 46.9 70.3

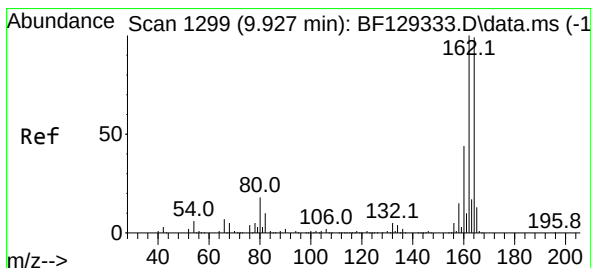
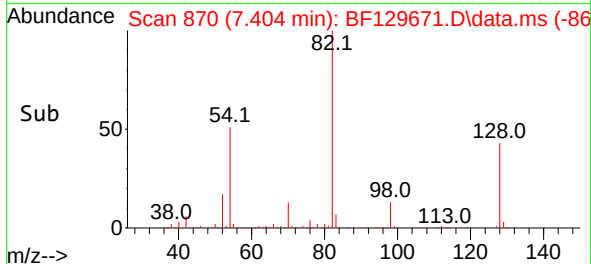
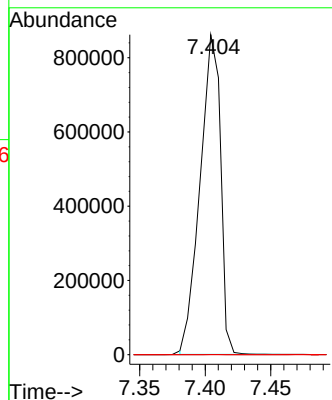
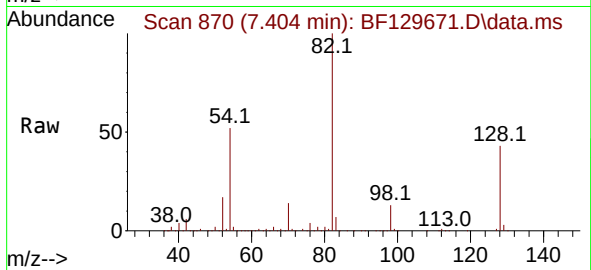




#25
Isophorone
Concen: 36.045 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.276 min
Lab File: BF129671.D
Acq: 09 Aug 2022 17:43

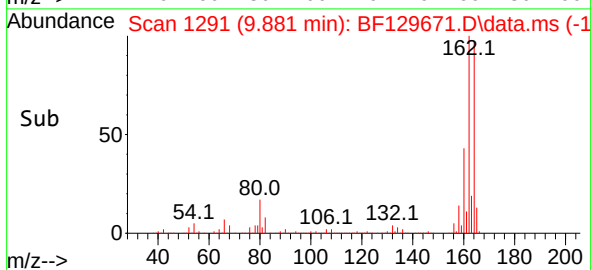
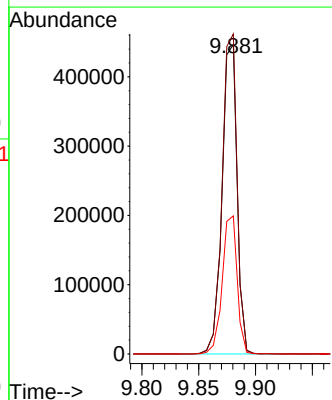
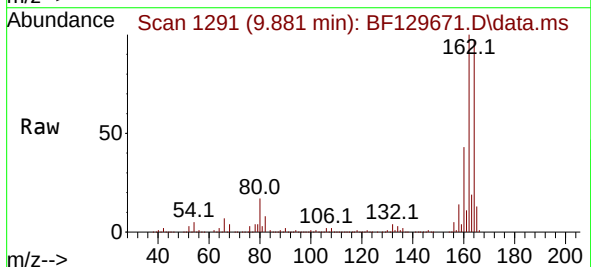
Instrument :
BNA_F
ClientSampleId :
RVE-187

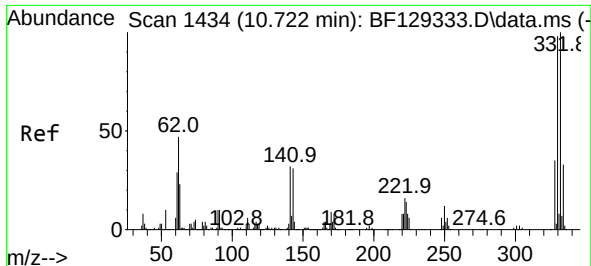
Tgt Ion: 82 Resp: 937345
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129671.D
Acq: 09 Aug 2022 17:43

Tgt Ion:164 Resp: 412282
Ion Ratio Lower Upper
164 100
162 103.4 79.5 119.3
160 44.6 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 96.318 ng

RT: 10.675 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF129671.D

Acq: 09 Aug 2022 17:43

Instrument :

BNA_F

ClientSampleId :

RVE-187

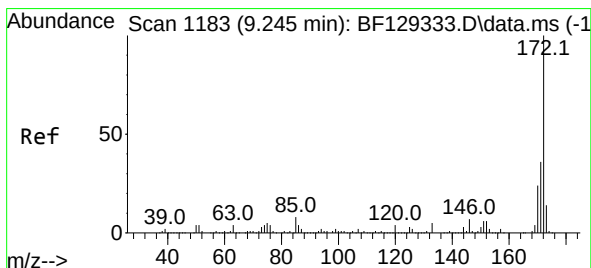
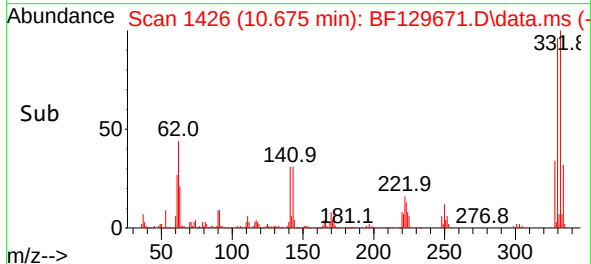
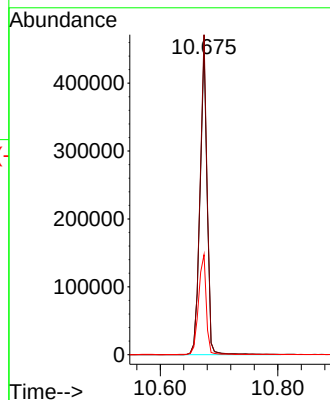
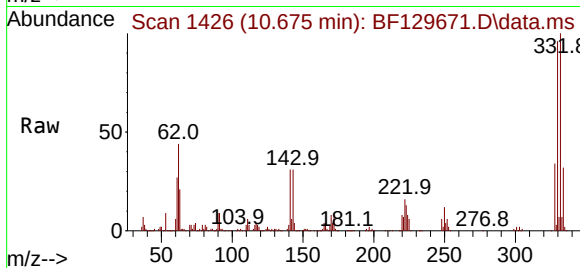
Tgt Ion:330 Resp: 381784

Ion Ratio Lower Upper

330 100

332 103.2 76.8 115.2

141 35.4 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 63.396 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.012 min

Lab File: BF129671.D

Acq: 09 Aug 2022 17:43

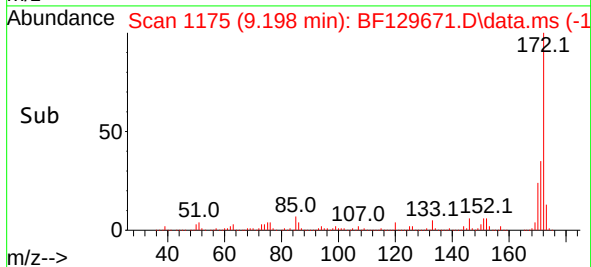
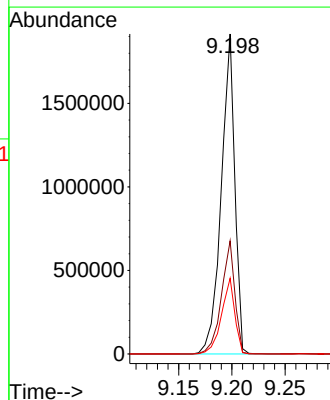
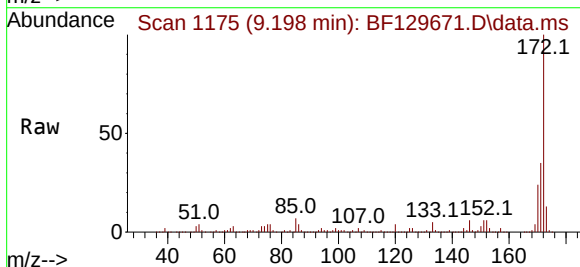
Tgt Ion:172 Resp: 1689596

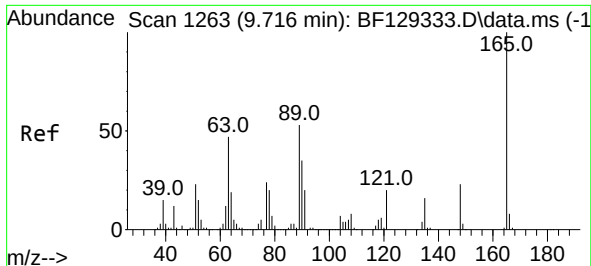
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.7 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.638 ng

RT: 9.875 min Scan# 1290

Delta R.T. 0.194 min

Lab File: BF129671.D

Acq: 09 Aug 2022 17:43

Instrument :

BNA_F

ClientSampleId :

RVE-187

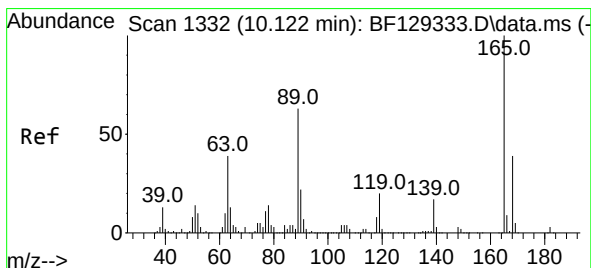
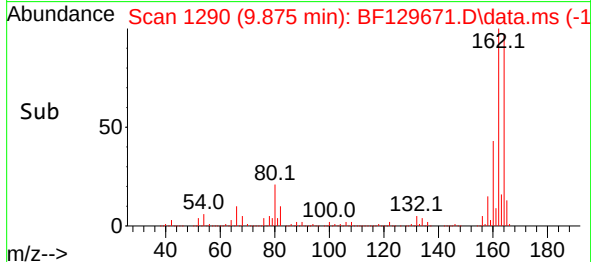
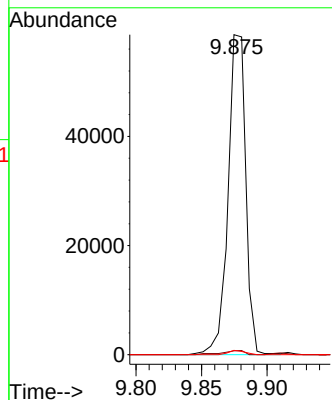
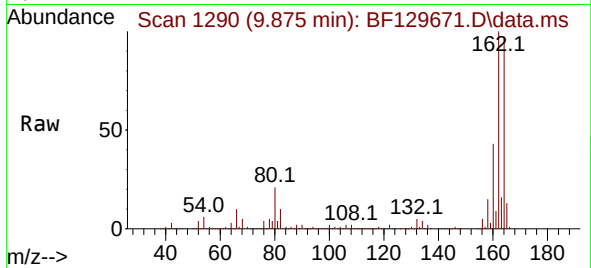
Tgt Ion:165 Resp: 55026

Ion Ratio Lower Upper

165 100

63 1.2 44.9 67.3#

89 1.4 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.612 ng

RT: 9.875 min Scan# 1290

Delta R.T. -0.212 min

Lab File: BF129671.D

Acq: 09 Aug 2022 17:43

Tgt Ion:165 Resp: 55026

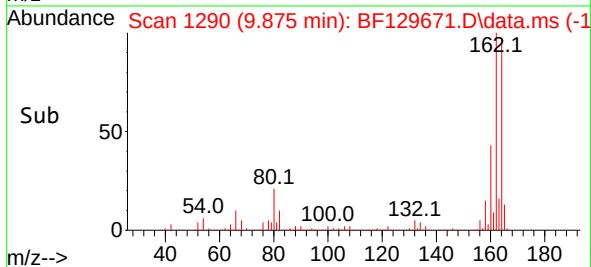
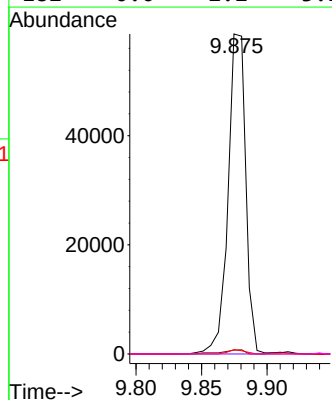
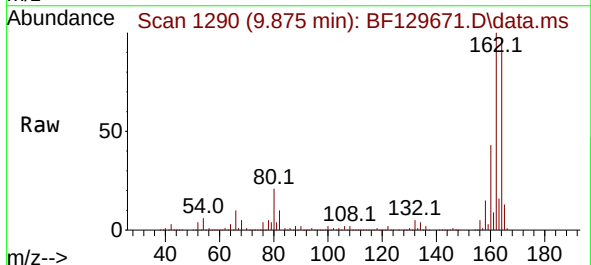
Ion Ratio Lower Upper

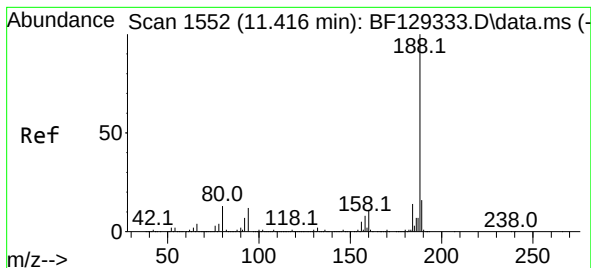
165 100

63 1.2 39.8 59.6#

89 1.4 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: BF129671.D

Acq: 09 Aug 2022 17:43

Instrument :

BNA_F

ClientSampleId :

RVE-187

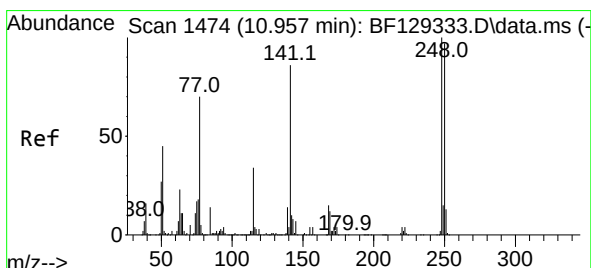
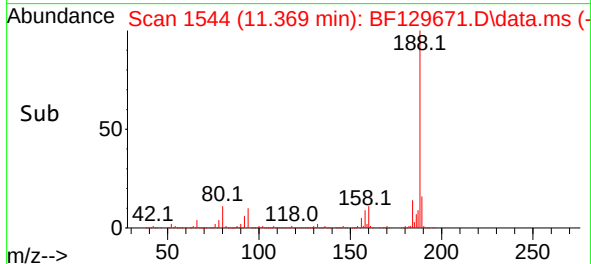
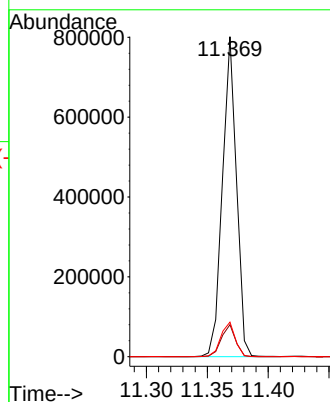
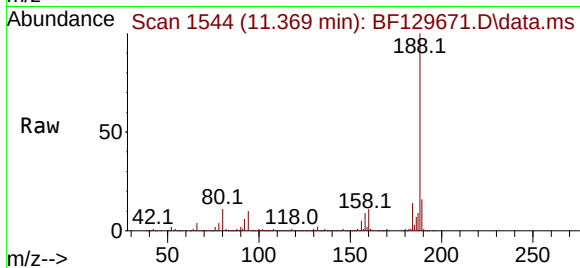
Tgt Ion:188 Resp: 645043

Ion Ratio Lower Upper

188 100

94 10.0 7.0 10.6

80 10.8 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 3.426 ng

RT: 10.675 min Scan# 1426

Delta R.T. -0.247 min

Lab File: BF129671.D

Acq: 09 Aug 2022 17:43

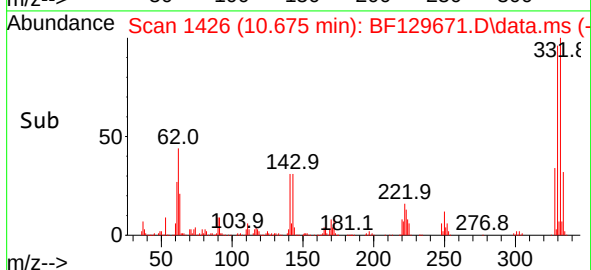
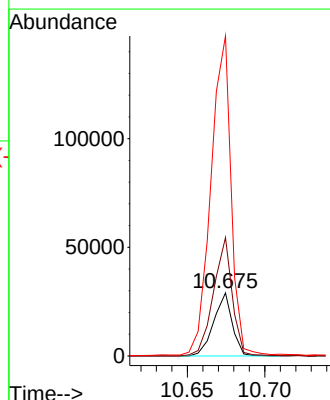
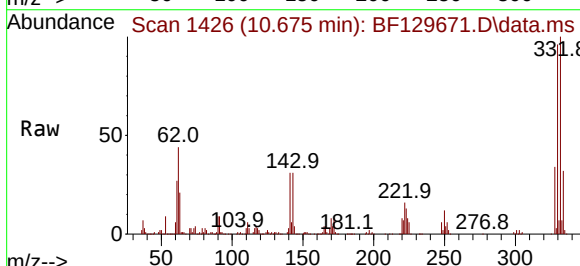
Tgt Ion:248 Resp: 24197

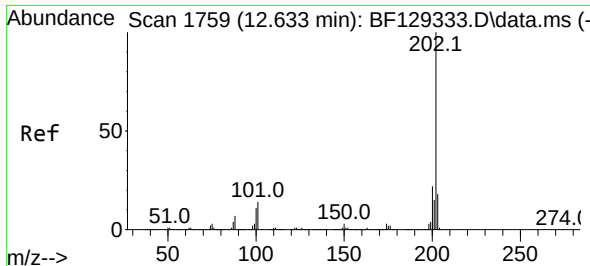
Ion Ratio Lower Upper

248 100

250 187.6 80.6 120.8#

141 507.0 58.9 88.3#

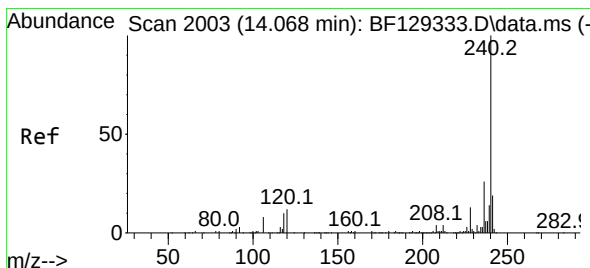
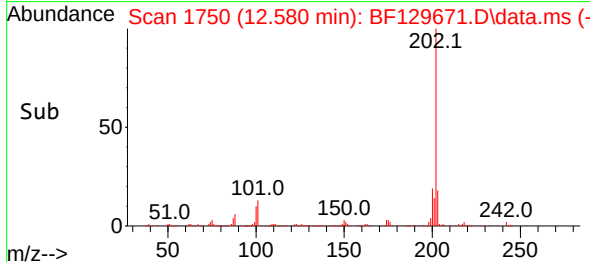
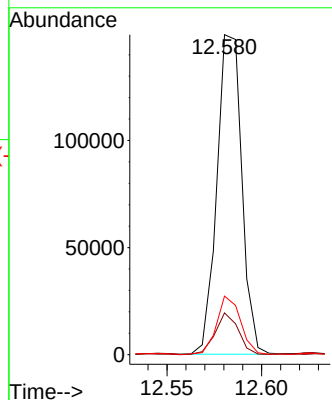
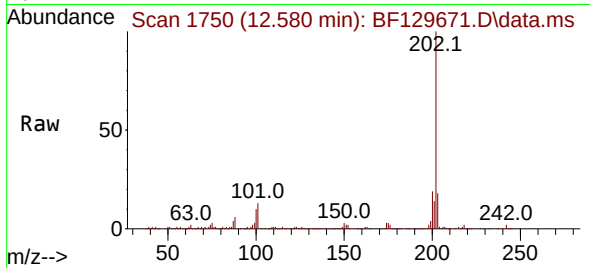




#75
Fluoranthene
Concen: 3.831 ng
RT: 12.580 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF129671.D
Acq: 09 Aug 2022 17:43

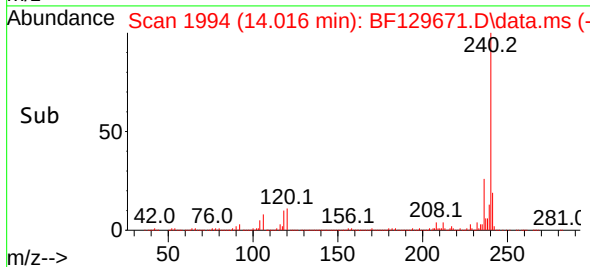
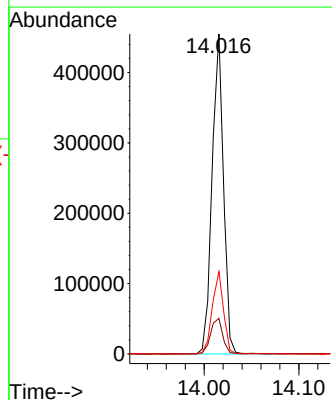
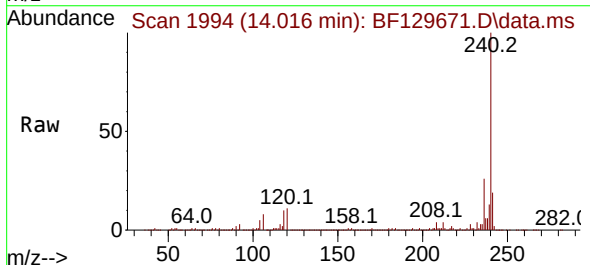
Instrument :
BNA_F
ClientSampleId :
RVE-187

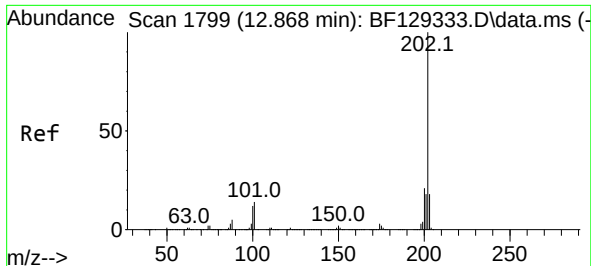
Tgt Ion:202 Resp: 136676
Ion Ratio Lower Upper
202 100
101 13.1 0.0 31.4
203 18.3 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129671.D
Acq: 09 Aug 2022 17:43

Tgt Ion:240 Resp: 380082
Ion Ratio Lower Upper
240 100
120 11.2 8.9 13.3
236 25.7 20.8 31.2

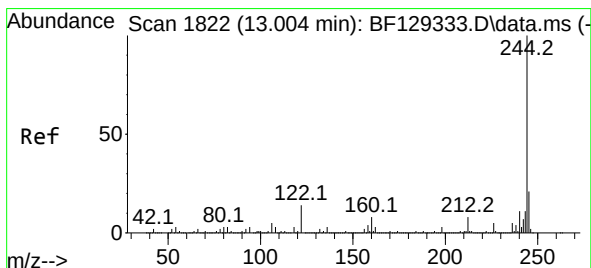
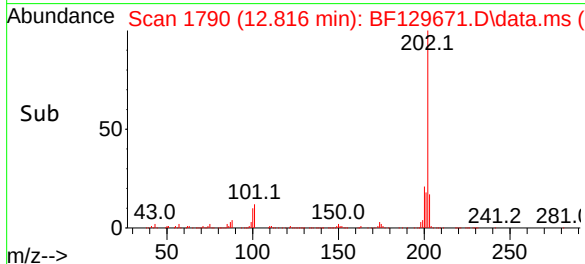
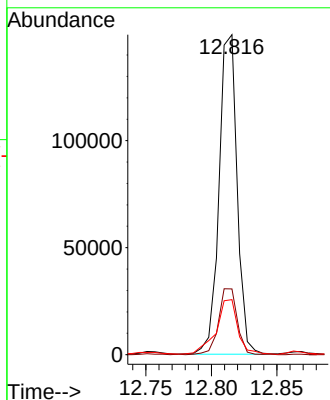
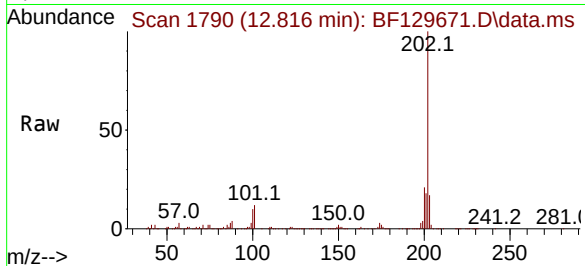




#78
 Pyrene
 Concen: 4.501 ng
 RT: 12.816 min Scan# 1814
 Delta R.T. -0.012 min
 Lab File: BF129671.D
 Acq: 09 Aug 2022 17:43

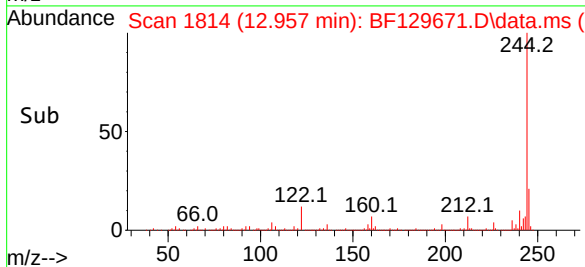
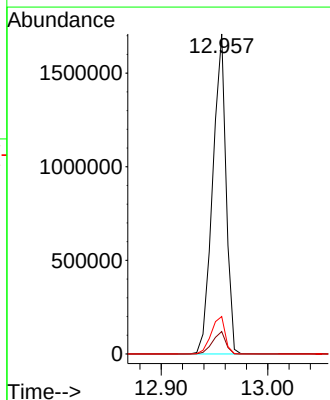
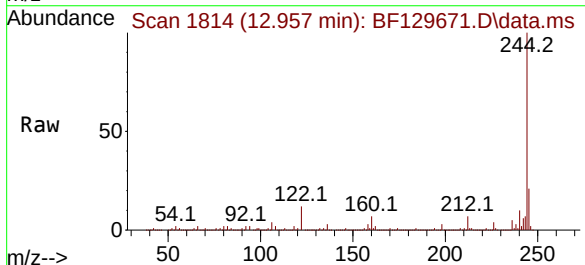
Instrument :
 BNA_F
 ClientSampleId :
 RVE-187

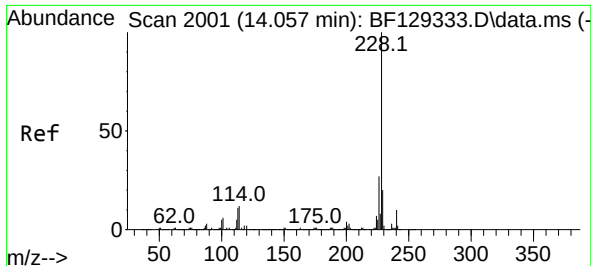
Tgt Ion:202 Resp: 143047
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.7 26.5
 203 17.2 14.6 21.8



#79
 Terphenyl-d14
 Concen: 74.220 ng
 RT: 12.957 min Scan# 1814
 Delta R.T. -0.012 min
 Lab File: BF129671.D
 Acq: 09 Aug 2022 17:43

Tgt Ion:244 Resp: 1495289
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 11.7 8.8 13.2

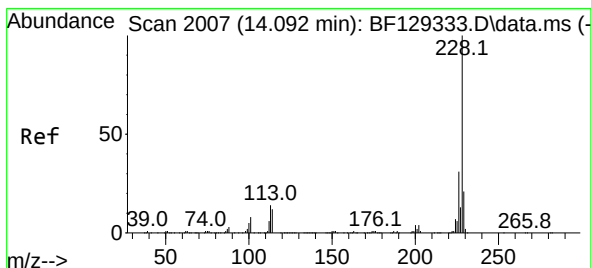
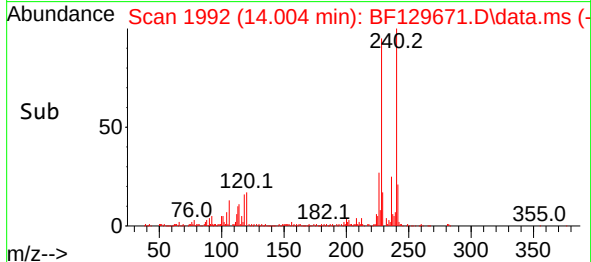
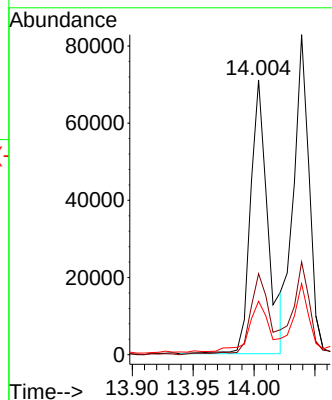
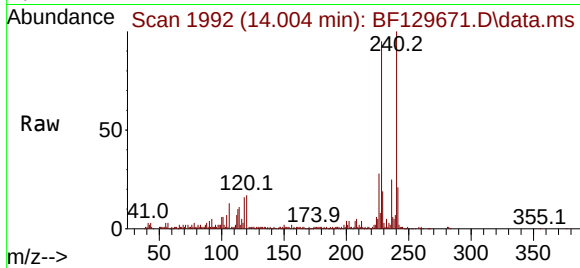




#81
Benzo(a)anthracene
Concen: 2.708 ng
RT: 14.004 min Scan# 1992
Delta R.T. -0.012 min
Lab File: BF129671.D
Acq: 09 Aug 2022 17:43

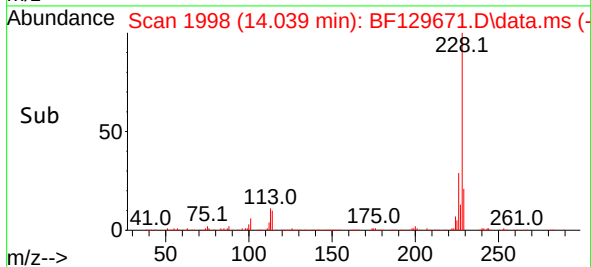
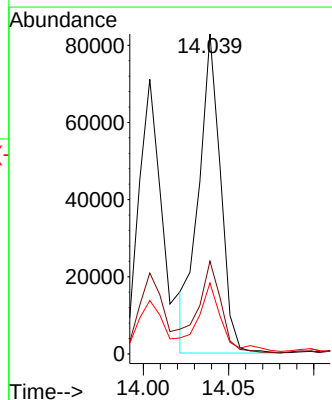
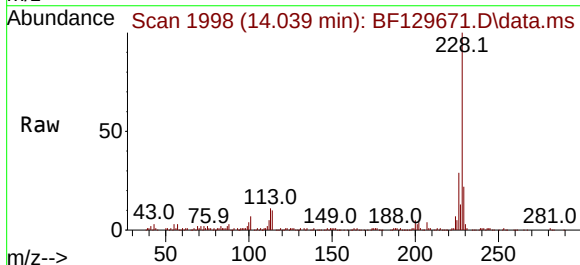
Instrument :
BNA_F
ClientSampleId :
RVE-187

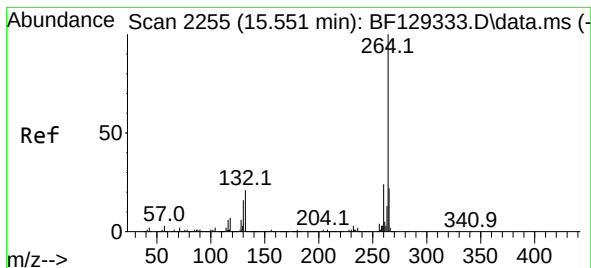
Tgt Ion:228 Resp: 70305
Ion Ratio Lower Upper
228 100
226 29.5 22.1 33.1
229 19.4 15.8 23.8



#83
Chrysene
Concen: 3.013 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BF129671.D
Acq: 09 Aug 2022 17:43

Tgt Ion:228 Resp: 73721
Ion Ratio Lower Upper
228 100
226 29.0 24.3 36.5
229 22.2 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: BF129671.D

Acq: 09 Aug 2022 17:43

Instrument :

BNA_F

ClientSampleId :

RVE-187

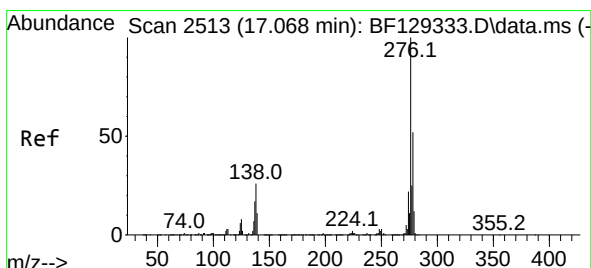
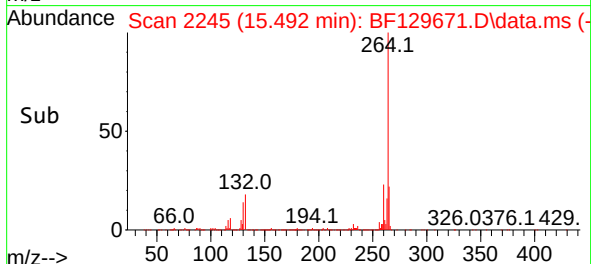
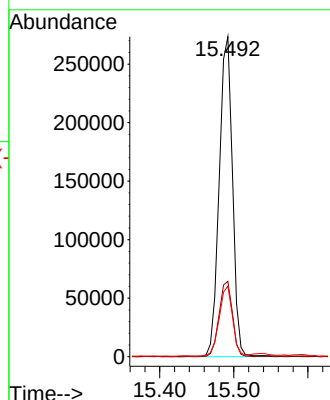
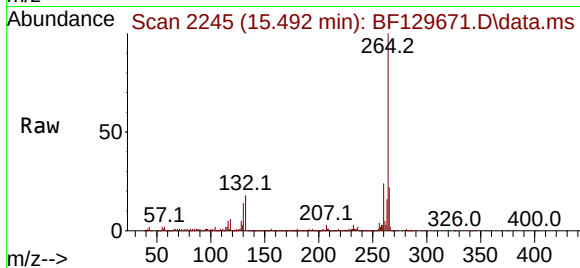
Tgt Ion:264 Resp: 340865

Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 22.0 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.182 ng

RT: 16.968 min Scan# 2496

Delta R.T. -0.029 min

Lab File: BF129671.D

Acq: 09 Aug 2022 17:43

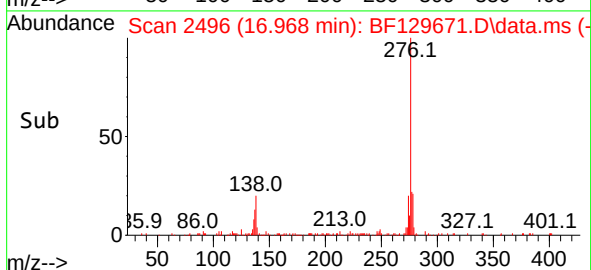
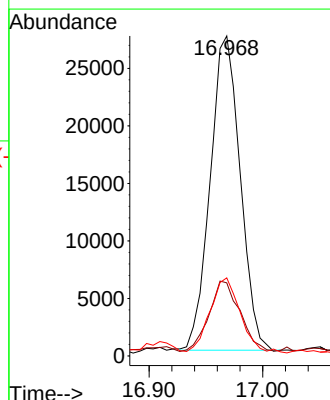
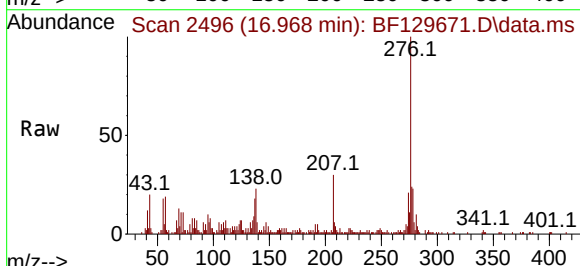
Tgt Ion:276 Resp: 50087

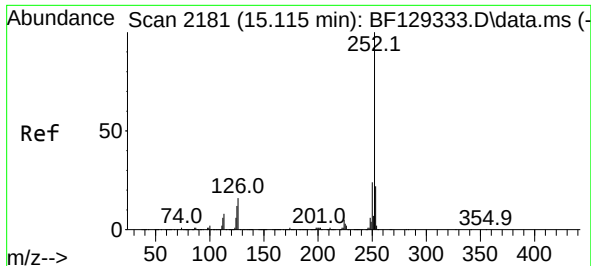
Ion Ratio Lower Upper

276 100

138 23.8 21.1 31.7

277 24.2 20.3 30.5

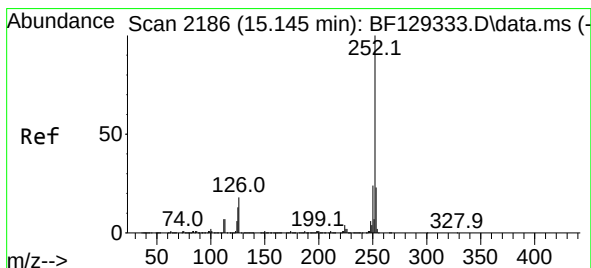
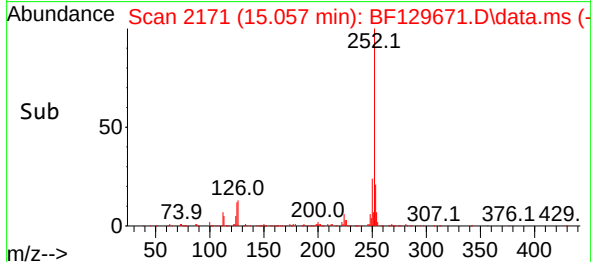
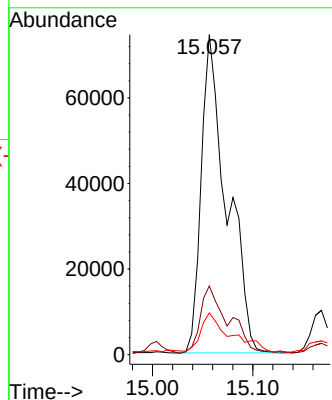
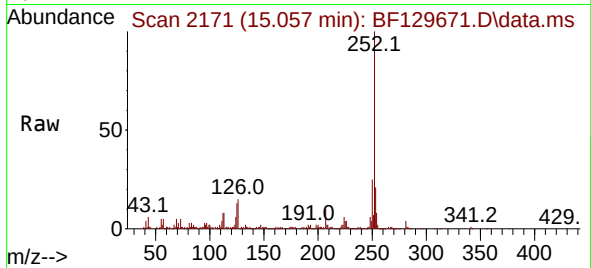




#88
Benzo(b)fluoranthene
Concen: 5.844 ng
RT: 15.057 min Scan# 2181
Delta R.T. -0.012 min
Lab File: BF129671.D
Acq: 09 Aug 2022 17:43

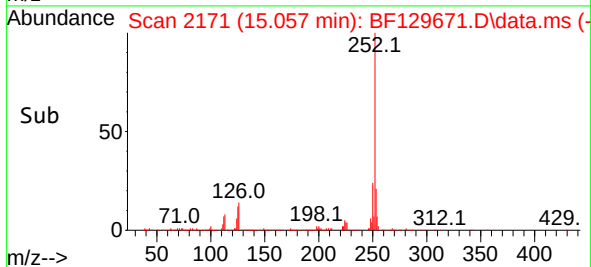
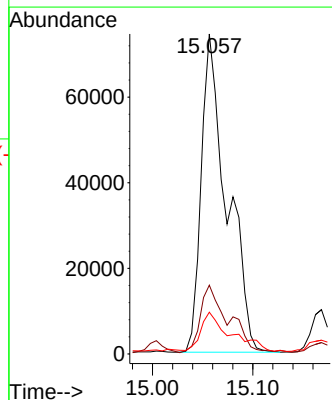
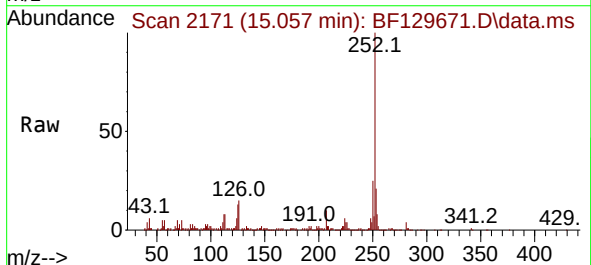
Instrument :
BNA_F
ClientSampleId :
RVE-187

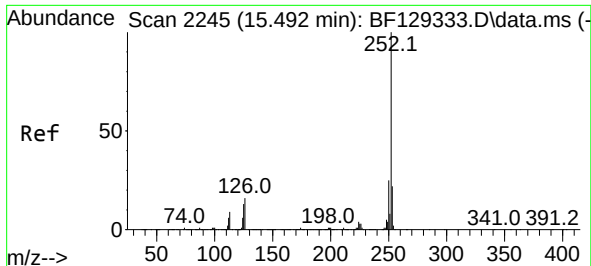
Tgt Ion:252 Resp: 132136
Ion Ratio Lower Upper
252 100
253 21.5 17.7 26.5
125 13.0 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 5.963 ng
RT: 15.057 min Scan# 2171
Delta R.T. -0.047 min
Lab File: BF129671.D
Acq: 09 Aug 2022 17:43

Tgt Ion:252 Resp: 132136
Ion Ratio Lower Upper
252 100
253 21.5 17.8 26.6
125 13.0 8.3 12.5#

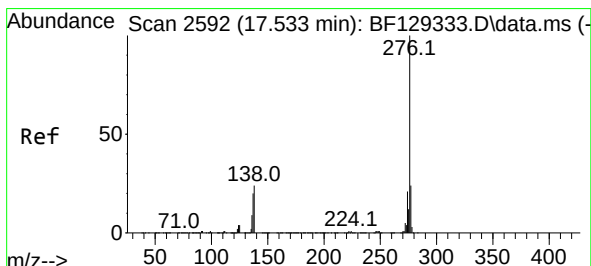
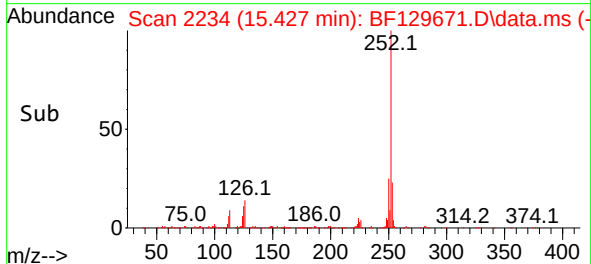
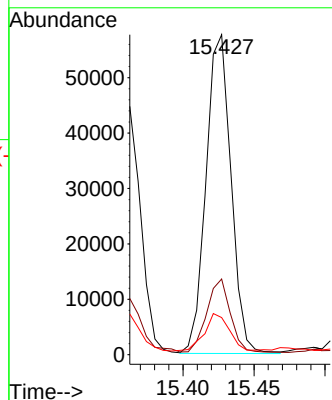
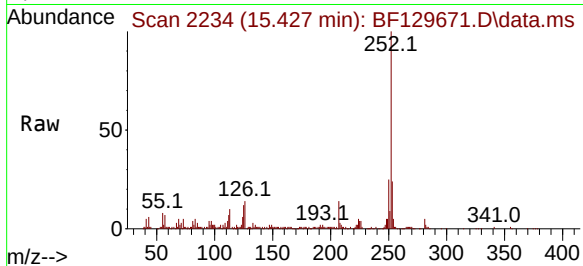




#90
Benzo(a)pyrene
Concen: 3.846 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF129671.D
Acq: 09 Aug 2022 17:43

Instrument :
BNA_F
ClientSampleId :
RVE-187

Tgt Ion:252 Resp: 70592
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 11.6 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 2.806 ng
RT: 17.421 min Scan# 2573
Delta R.T. -0.029 min
Lab File: BF129671.D
Acq: 09 Aug 2022 17:43

Tgt Ion:276 Resp: 53574
Ion Ratio Lower Upper
276 100
277 24.7 19.1 28.7
138 23.3 18.0 27.0

