

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
 Data File : BF129496.D
 Acq On : 02 Aug 2022 03:17
 Operator : CG\JU
 Sample : N3896-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-72

Quant Time: Aug 02 05:22:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 01:11:25 2022
 Response via : Initial Calibration

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

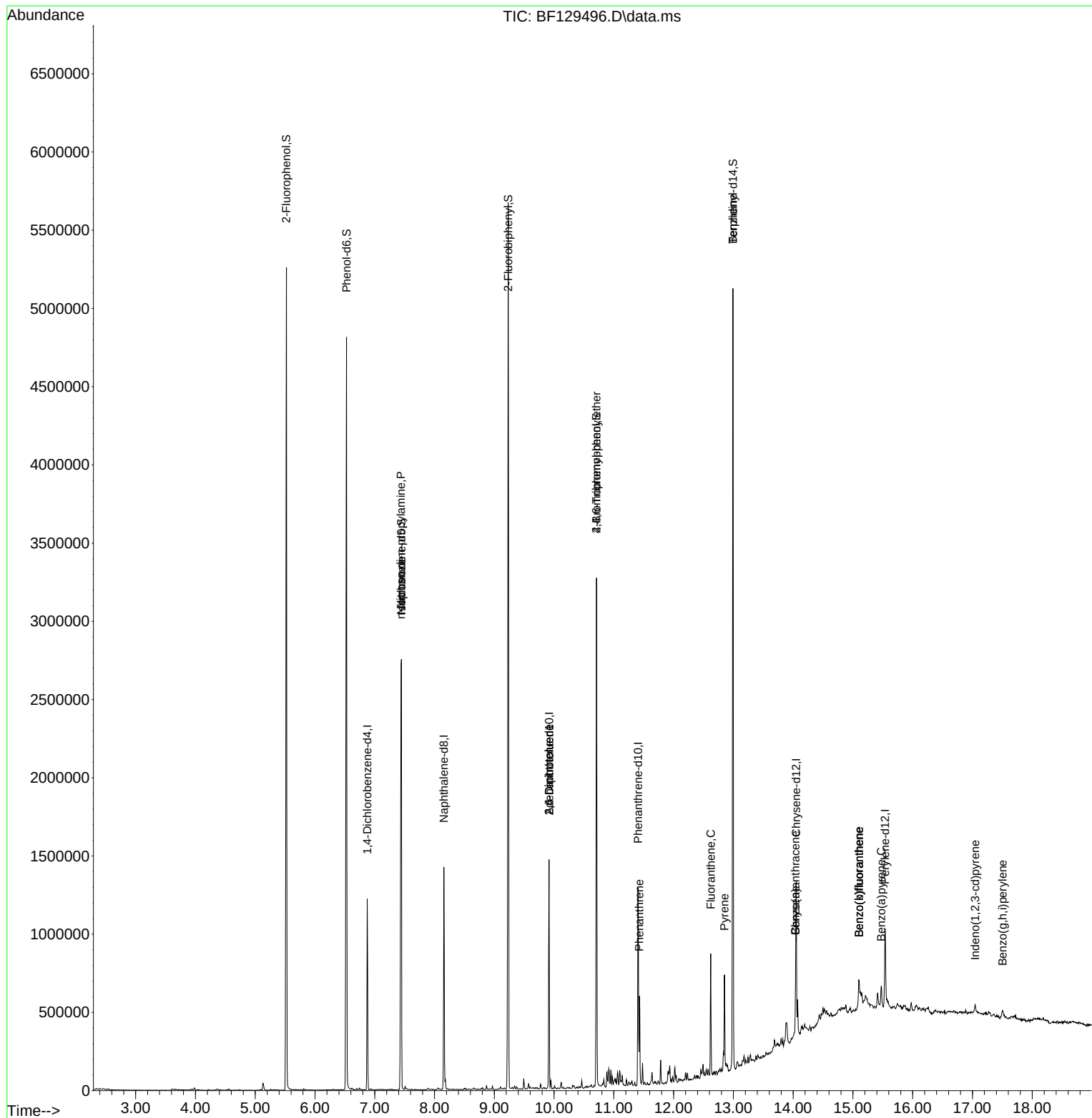
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	159248	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	587382	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	272005	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	455856	20.000	ng	# 0.00
76) Chrysene-d12	14.051	240	274829	20.000	ng	0.00
86) Perylene-d12	15.539	264	214782	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1359387	139.056	ng	0.02
7) Phenol-d6	6.528	99	1654007	134.608	ng	0.00
23) Nitrobenzene-d5	7.445	82	1034865	96.176	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	351834	134.538	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1671072	95.037	ng	0.00
79) Terphenyl-d14	12.992	244	1648654	113.173	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	135366	18.197	ng	# 75
25) Isophorone	7.445	82	1034778	53.650	ng	# 65
51) 2,6-Dinitrotoluene	9.916	165	35512	8.450	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	35512	6.468	ng	# 21
67) 4-Bromophenyl-phenylether	10.710	248	22251	4.458	ng	# 1
71) Phenanthrene	11.427	178	200200	8.045	ng	98
75) Fluoranthene	12.621	202	266498	10.570	ng	99
77) Benzidine	12.992	184	24382	2.511	ng	# 91
78) Pyrene	12.851	202	227811	9.913	ng	100
81) Benzo(a)anthracene	14.039	228	92607	4.933	ng	97
83) Chrysene	14.039	228	92607	5.234	ng	98
87) Indeno(1,2,3-cd)pyrene	17.045	276	34779	2.405	ng	95
88) Benzo(b)fluoranthene	15.104	252	109523	7.687	ng	# 91
89) Benzo(k)fluoranthene	15.104	252	109523	7.845	ng	# 91
90) Benzo(a)pyrene	15.474	252	57034	4.931	ng	# 90
92) Benzo(g,h,i)perylene	17.503	276	34008	2.827	ng	94

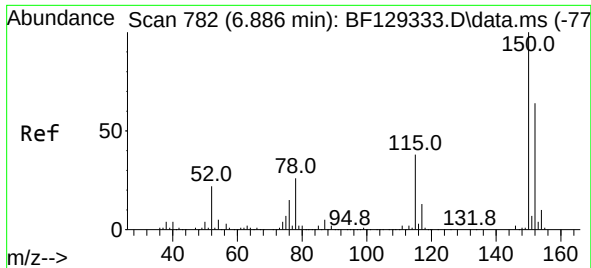
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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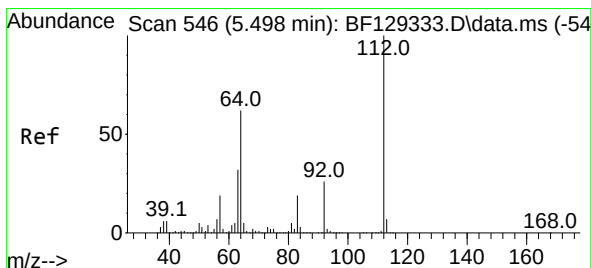
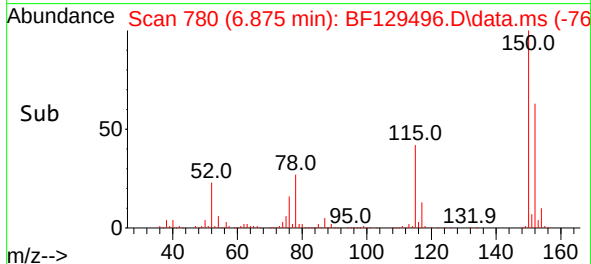
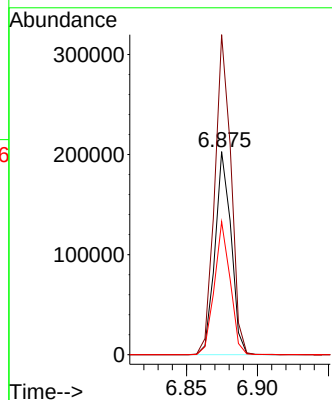
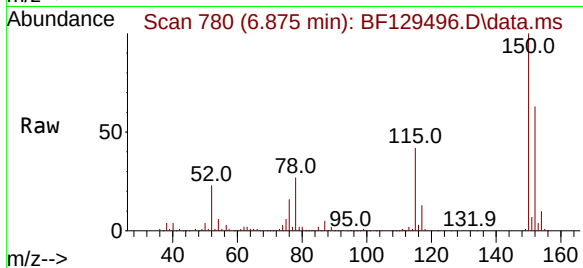




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129496.D
Acq: 02 Aug 2022 03:17

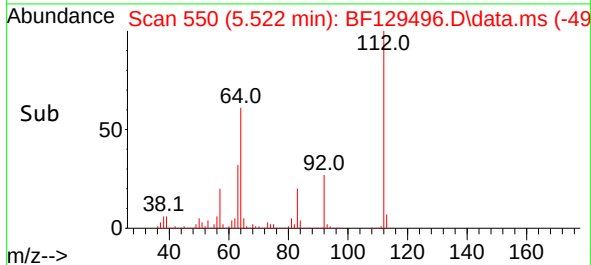
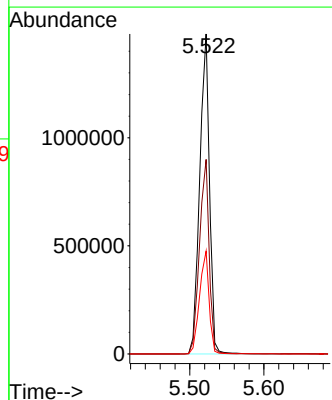
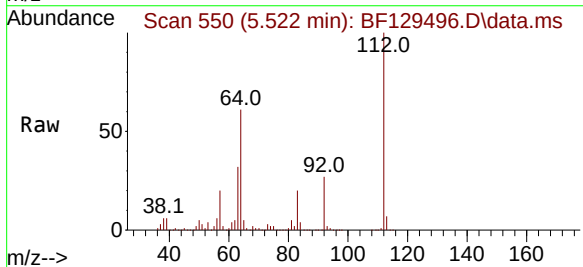
Instrument :
BNA_F
ClientSampleId :
RVE-72

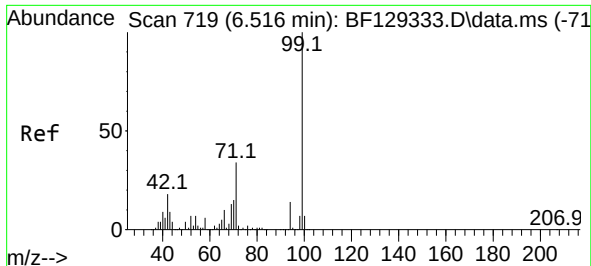
Tgt Ion:152 Resp: 159248
Ion Ratio Lower Upper
152 100
150 157.6 123.7 185.5
115 65.5 49.9 74.9



#5
2-Fluorophenol
Concen: 139.056 ng
RT: 5.522 min Scan# 550
Delta R.T. 0.018 min
Lab File: BF129496.D
Acq: 02 Aug 2022 03:17

Tgt Ion:112 Resp: 1359387
Ion Ratio Lower Upper
112 100
64 60.8 53.3 79.9
63 32.1 28.0 42.0

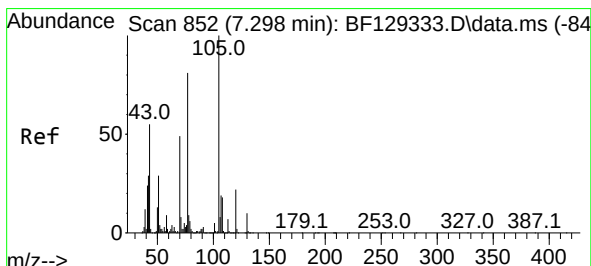
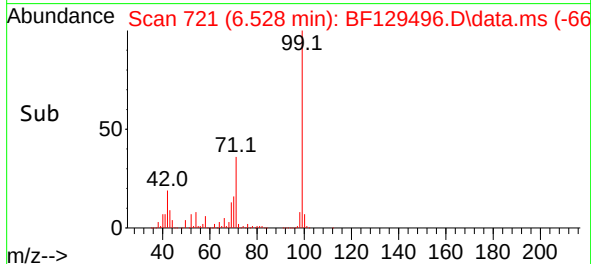
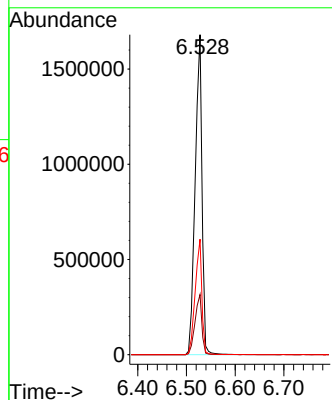
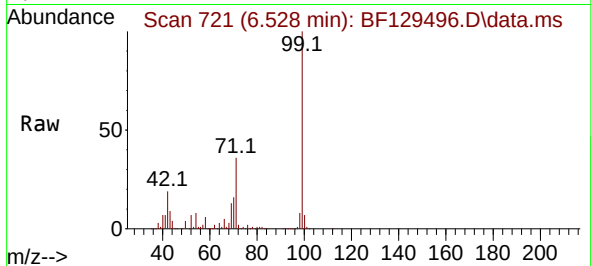




#7
Phenol-d6
Concen: 134.608 ng
RT: 6.528 min Scan# 719
Delta R.T. 0.006 min
Lab File: BF129496.D
Acq: 02 Aug 2022 03:17

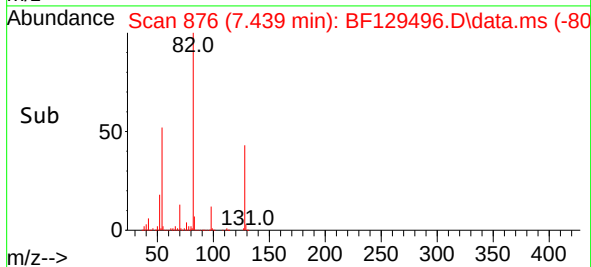
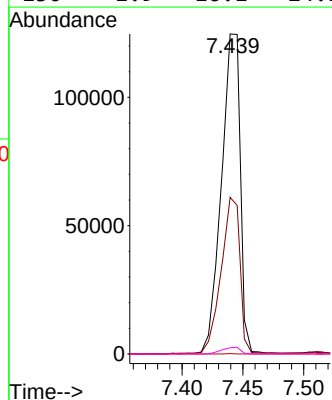
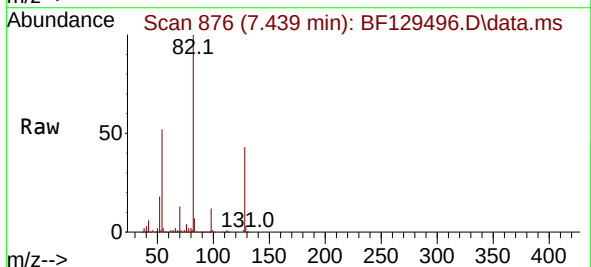
Instrument :
BNA_F
ClientSampleId :
RVE-72

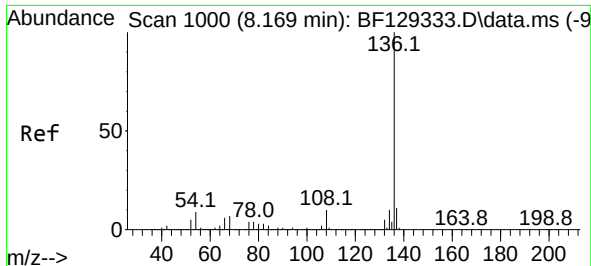
Tgt Ion: 99 Resp: 1654007
Ion Ratio Lower Upper
99 100
42 18.8 17.3 25.9
71 36.1 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 18.197 ng
RT: 7.439 min Scan# 876
Delta R.T. 0.147 min
Lab File: BF129496.D
Acq: 02 Aug 2022 03:17

Tgt Ion: 70 Resp: 135366
Ion Ratio Lower Upper
70 100
42 48.9 52.3 78.5#
101 0.1 7.5 11.3#
130 1.9 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF129496.D

Acq: 02 Aug 2022 03:17

Instrument :

BNA_F

ClientSampleId :

RVE-72

Tgt Ion:136 Resp: 587382

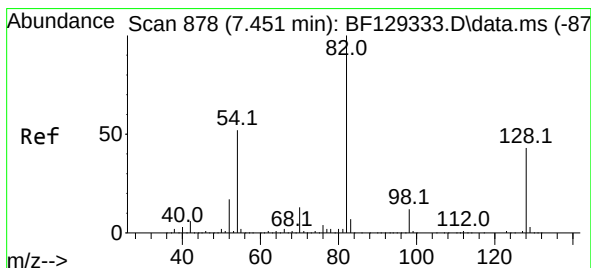
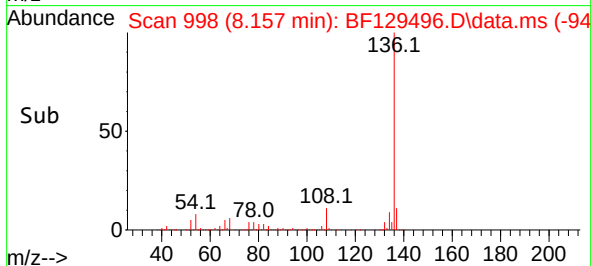
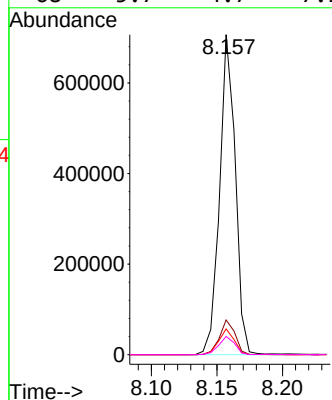
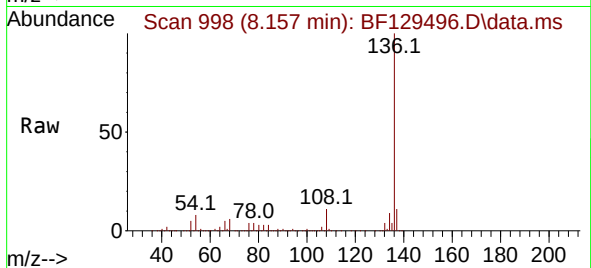
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 8.1 7.5 11.3

68 5.7 4.7 7.1



#23

Nitrobenzene-d5

Concen: 96.176 ng

RT: 7.445 min Scan# 877

Delta R.T. -0.000 min

Lab File: BF129496.D

Acq: 02 Aug 2022 03:17

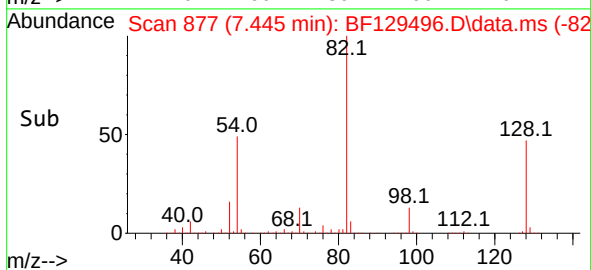
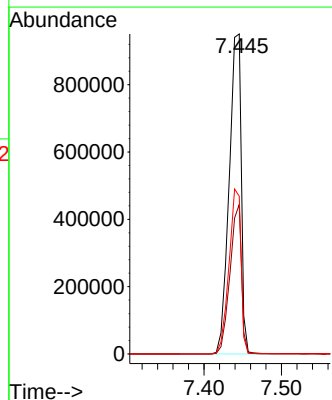
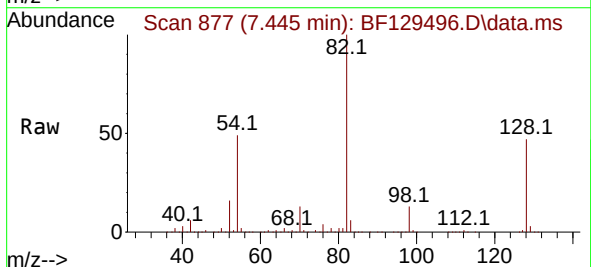
Tgt Ion: 82 Resp: 1034865

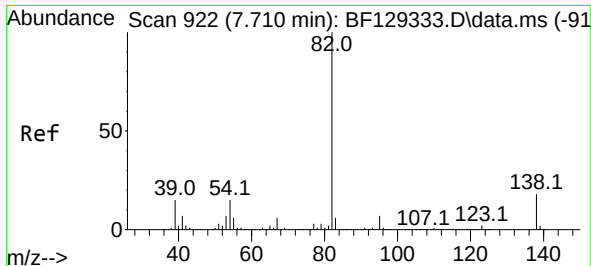
Ion Ratio Lower Upper

82 100

128 46.7 34.0 51.0

54 49.3 46.9 70.3

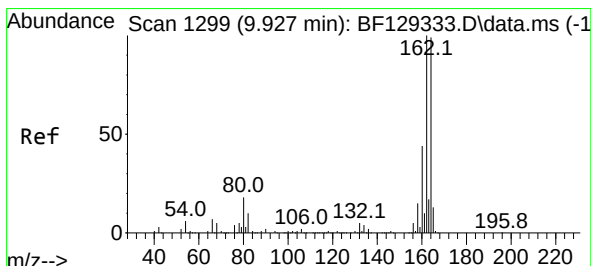
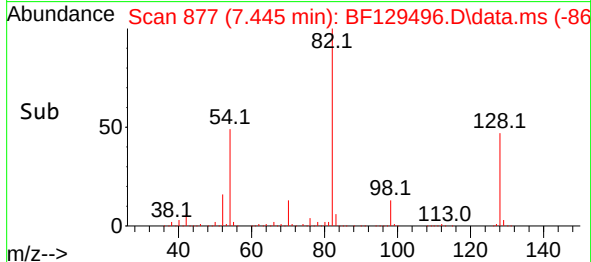
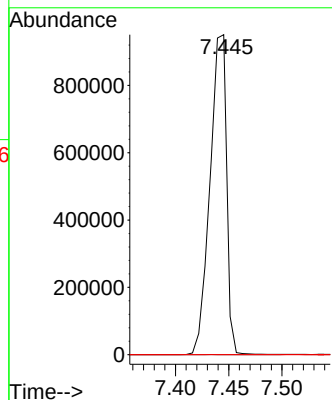
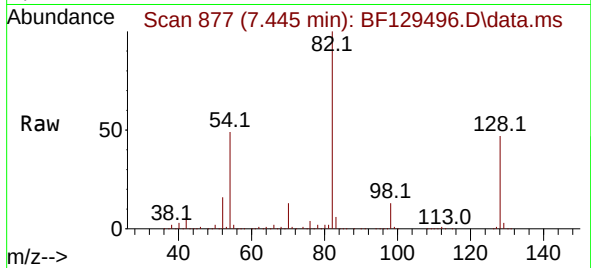




#25
Isophorone
Concen: 53.650 ng
RT: 7.445 min Scan# 81
Delta R.T. -0.253 min
Lab File: BF129496.D
Acq: 02 Aug 2022 03:17

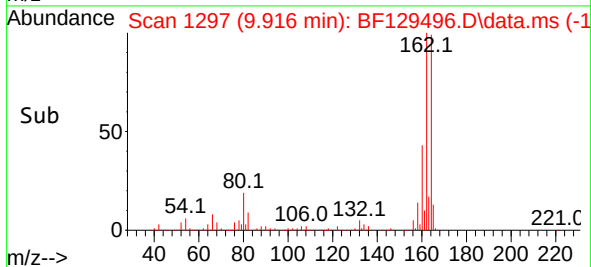
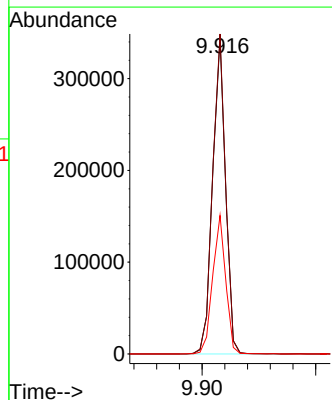
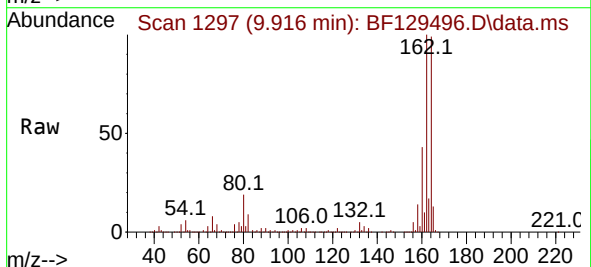
Instrument :
BNA_F
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RVE-72

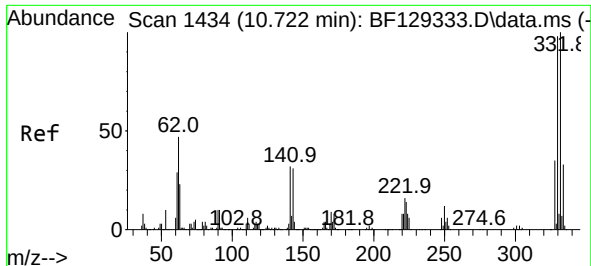
Tgt Ion: 82 Resp: 1034778
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BF129496.D
Acq: 02 Aug 2022 03:17

Tgt Ion:164 Resp: 272005
Ion Ratio Lower Upper
164 100
162 101.2 79.5 119.3
160 43.8 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 134.538 ng

RT: 10.710 min Scan# 1432

Delta R.T. -0.000 min

Lab File: BF129496.D

Acq: 02 Aug 2022 03:17

Instrument :

BNA_F

ClientSampleId :

RVE-72

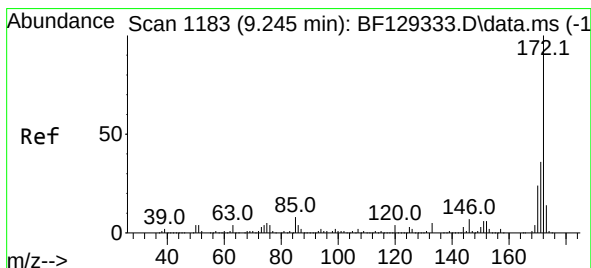
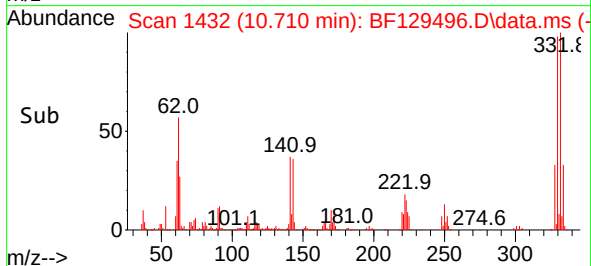
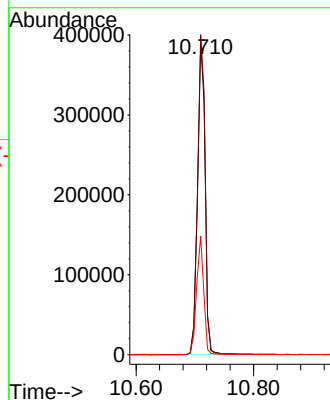
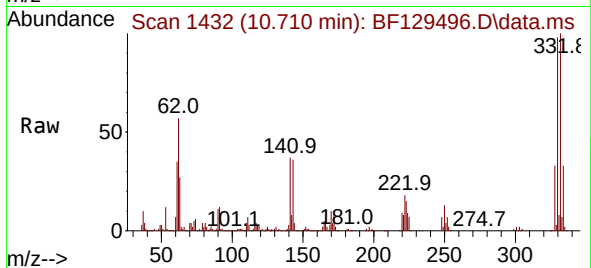
Tgt Ion:330 Resp: 351834

Ion Ratio Lower Upper

330 100

332 102.4 76.8 115.2

141 36.0 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 95.037 ng

RT: 9.233 min Scan# 1181

Delta R.T. -0.000 min

Lab File: BF129496.D

Acq: 02 Aug 2022 03:17

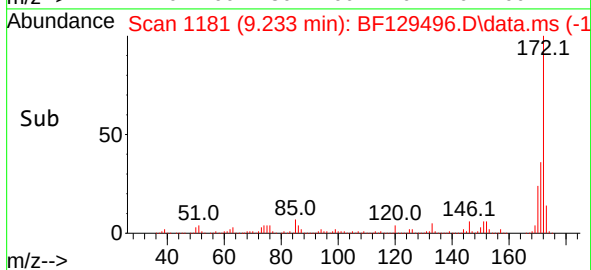
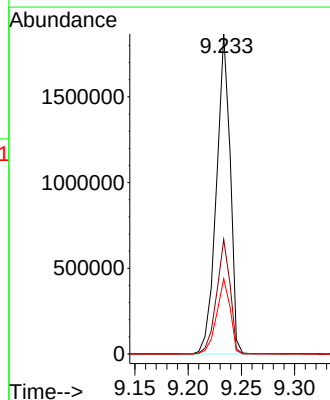
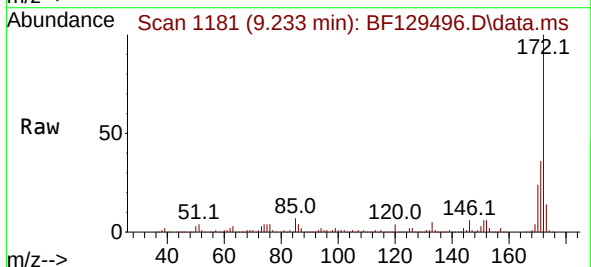
Tgt Ion:172 Resp: 1671072

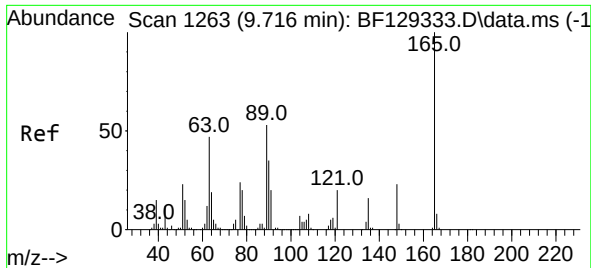
Ion Ratio Lower Upper

172 100

171 35.8 28.8 43.2

170 23.5 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.450 ng

RT: 9.916 min Scan# 1297

Delta R.T. 0.212 min

Lab File: BF129496.D

Acq: 02 Aug 2022 03:17

Instrument :

BNA_F

ClientSampleId :

RVE-72

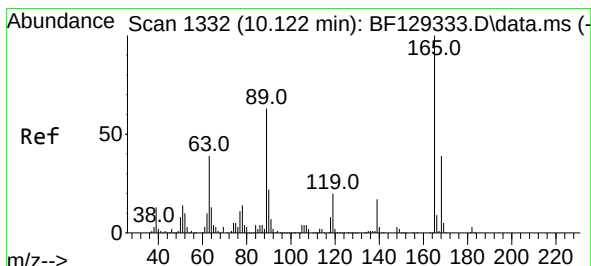
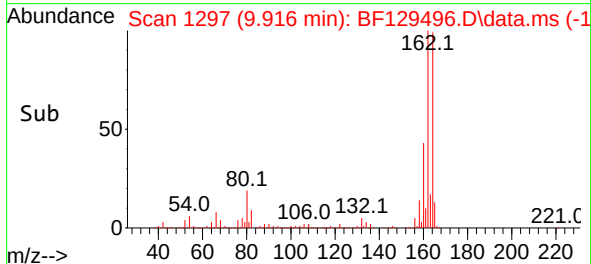
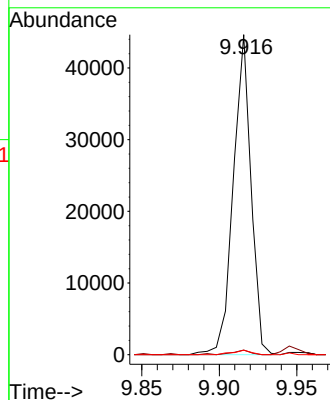
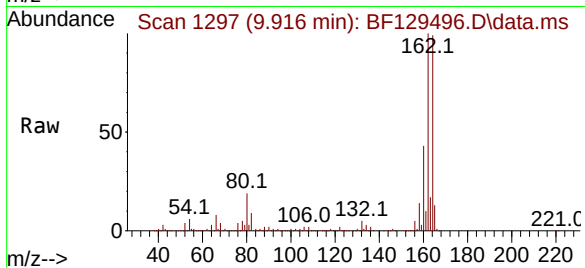
Tgt Ion:165 Resp: 35512

Ion Ratio Lower Upper

165 100

63 1.5 44.9 67.3#

89 1.4 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.468 ng

RT: 9.916 min Scan# 1297

Delta R.T. -0.194 min

Lab File: BF129496.D

Acq: 02 Aug 2022 03:17

Tgt Ion:165 Resp: 35512

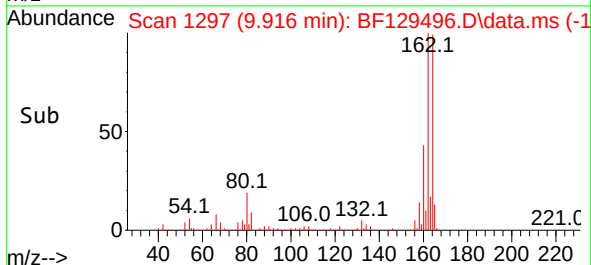
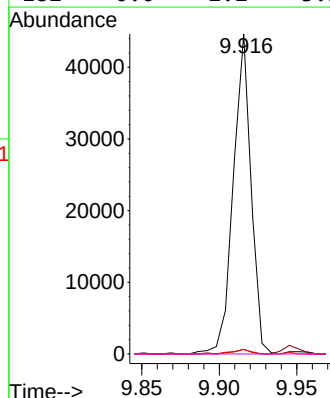
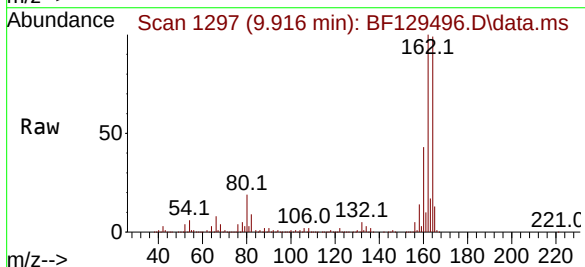
Ion Ratio Lower Upper

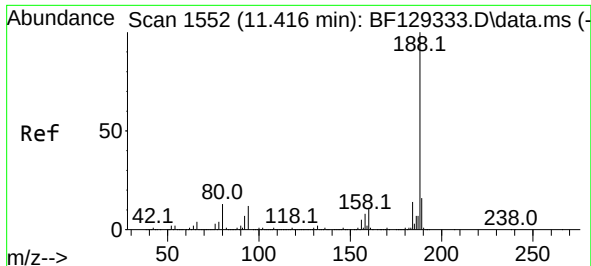
165 100

63 1.5 39.8 59.6#

89 1.4 60.2 90.2#

182 0.0 2.2 3.2#

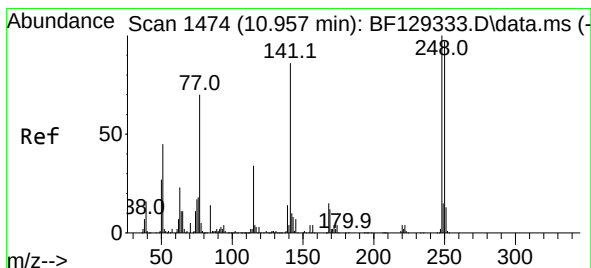
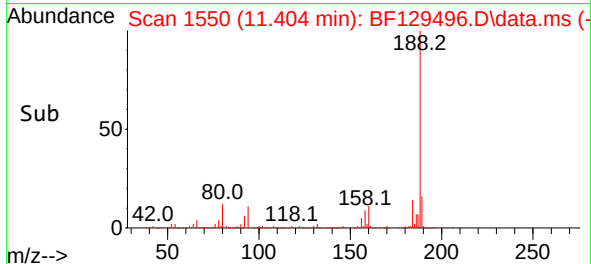
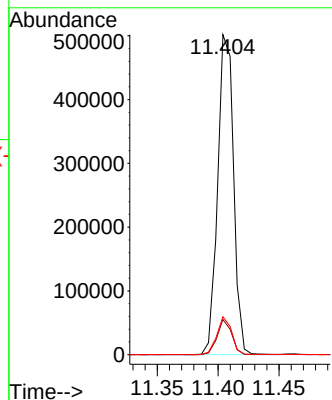
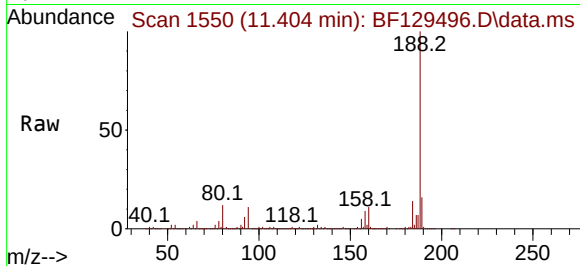




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129496.D
Acq: 02 Aug 2022 03:17

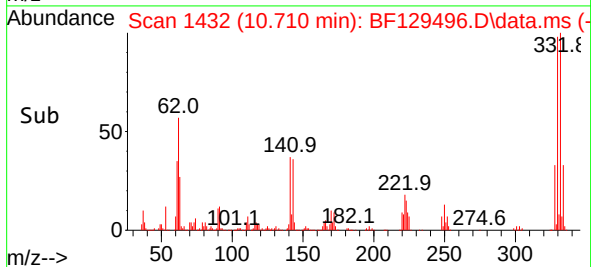
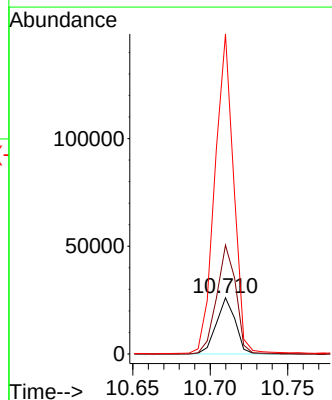
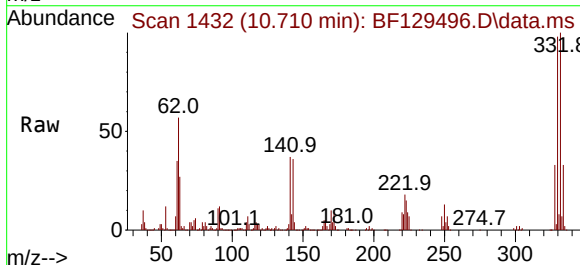
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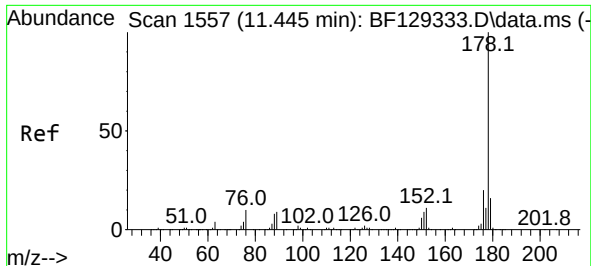
Tgt Ion:188 Resp: 455856
Ion Ratio Lower Upper
188 100
94 11.0 7.0 10.6#
80 11.8 7.6 11.4#



#67
4-Bromophenyl-phenylether
Concen: 4.458 ng
RT: 10.710 min Scan# 1432
Delta R.T. -0.235 min
Lab File: BF129496.D
Acq: 02 Aug 2022 03:17

Tgt Ion:248 Resp: 22251
Ion Ratio Lower Upper
248 100
250 193.7 80.6 120.8#
141 569.6 58.9 88.3#

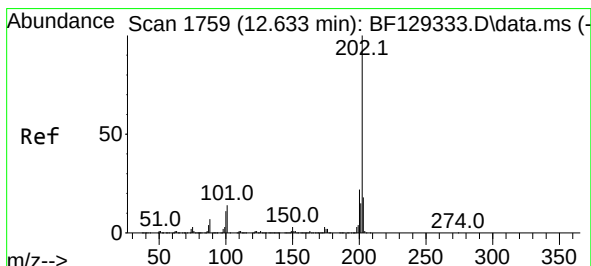
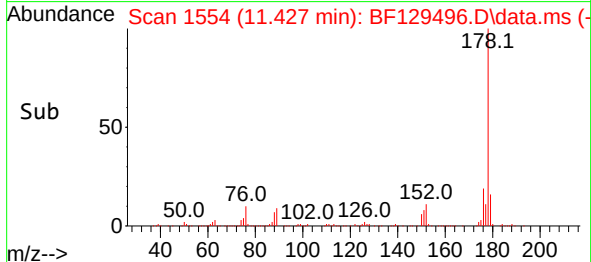
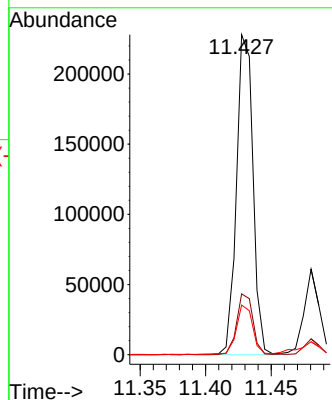
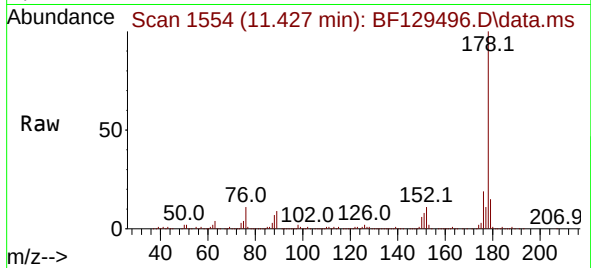




#71
Phenanthrene
Concen: 8.045 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129496.D
Acq: 02 Aug 2022 03:17

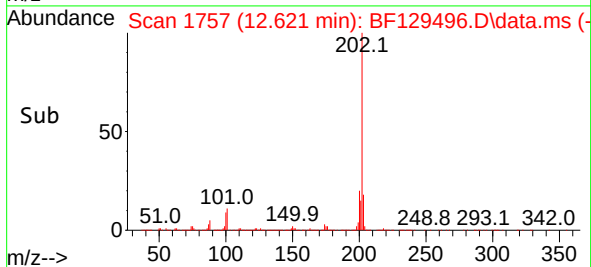
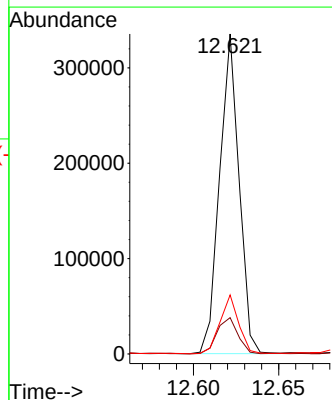
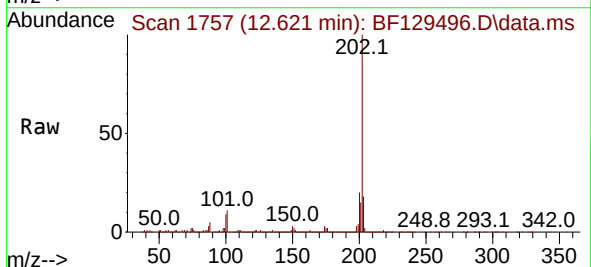
Instrument :
BNA_F
ClientSampleId :
RVE-72

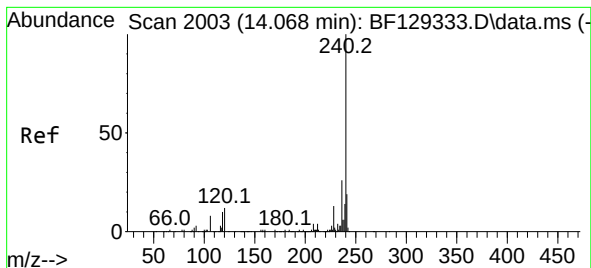
Tgt Ion:178 Resp: 200200
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.5 12.6 19.0



#75
Fluoranthene
Concen: 10.570 ng
RT: 12.621 min Scan# 1757
Delta R.T. -0.000 min
Lab File: BF129496.D
Acq: 02 Aug 2022 03:17

Tgt Ion:202 Resp: 266498
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.4
203 18.5 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF129496.D

Acq: 02 Aug 2022 03:17

Instrument :

BNA_F

ClientSampleId :

RVE-72

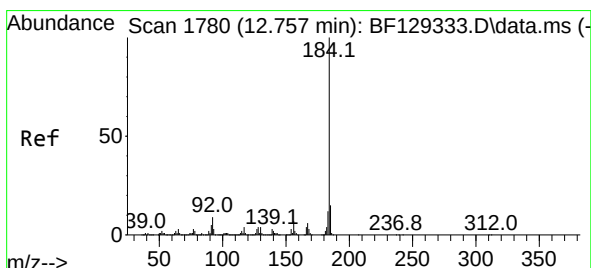
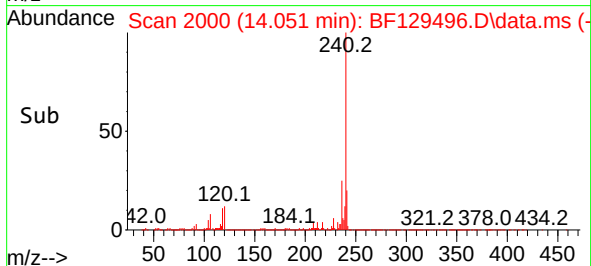
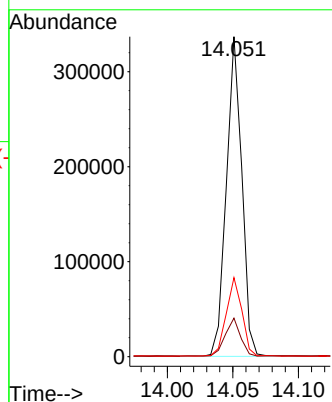
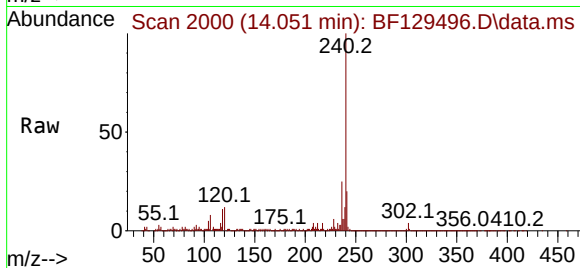
Tgt Ion:240 Resp: 274829

Ion Ratio Lower Upper

240 100

120 12.0 8.9 13.3

236 24.7 20.8 31.2



#77

Benzidine

Concen: 2.511 ng

RT: 12.992 min Scan# 1820

Delta R.T. 0.253 min

Lab File: BF129496.D

Acq: 02 Aug 2022 03:17

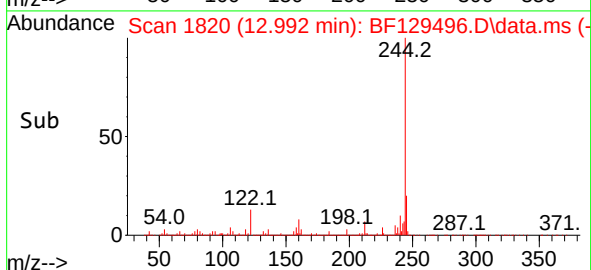
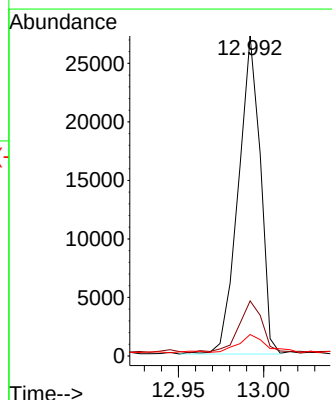
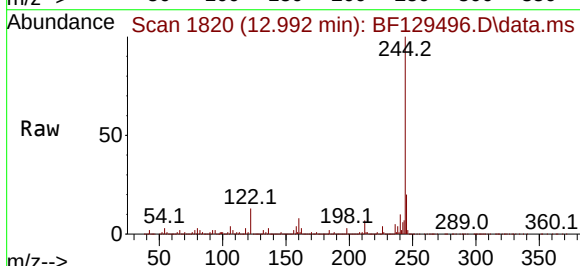
Tgt Ion:184 Resp: 24382

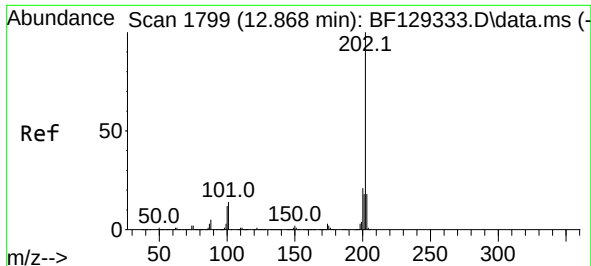
Ion Ratio Lower Upper

184 100

185 17.2 11.9 17.9

183 6.7 9.3 13.9#

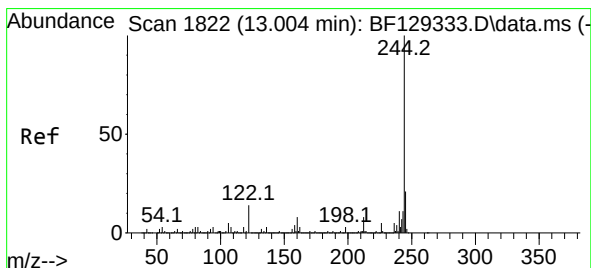
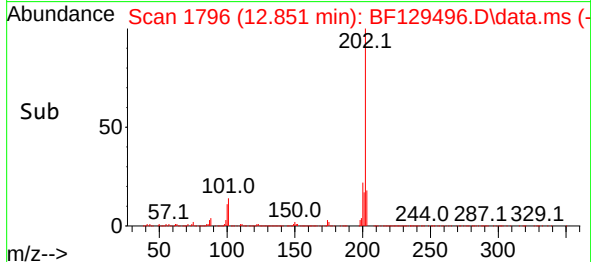
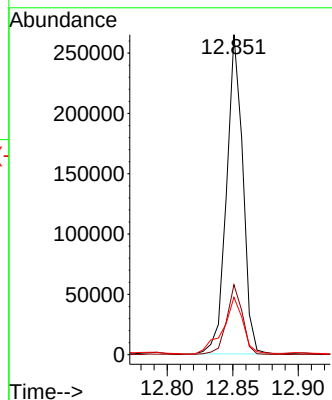
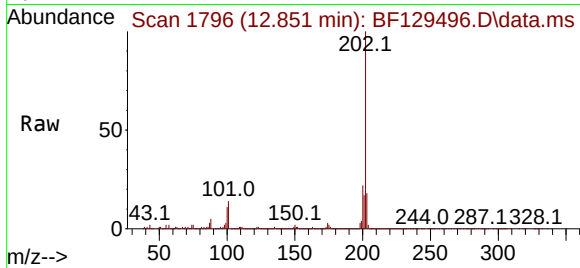




#78
Pyrene
Concen: 9.913 ng
RT: 12.851 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129496.D
Acq: 02 Aug 2022 03:17

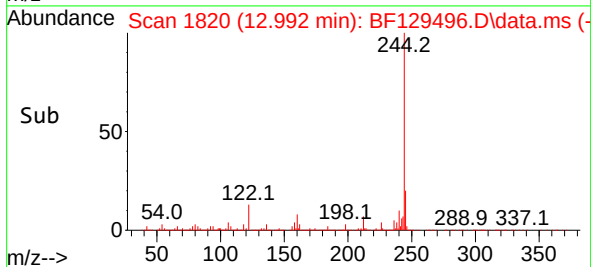
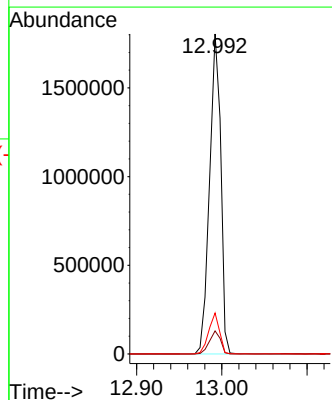
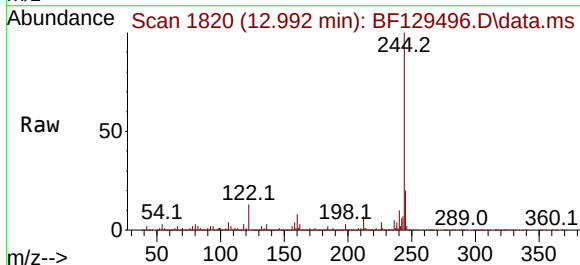
Instrument :
BNA_F
ClientSampleId :
RVE-72

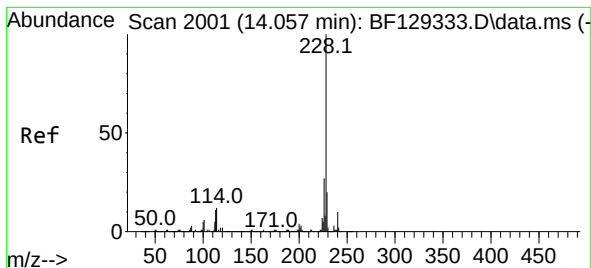
Tgt Ion:202 Resp: 227811
Ion Ratio Lower Upper
202 100
200 21.9 17.7 26.5
203 18.0 14.6 21.8



#79
Terphenyl-d14
Concen: 113.173 ng
RT: 12.992 min Scan# 1820
Delta R.T. 0.006 min
Lab File: BF129496.D
Acq: 02 Aug 2022 03:17

Tgt Ion:244 Resp: 1648654
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 12.8 8.8 13.2





#81

Benzo(a)anthracene

Concen: 4.933 ng

RT: 14.039 min Scan# 1998

Delta R.T. -0.000 min

Lab File: BF129496.D

Acq: 02 Aug 2022 03:17

Instrument :

BNA_F

ClientSampleId :

RVE-72

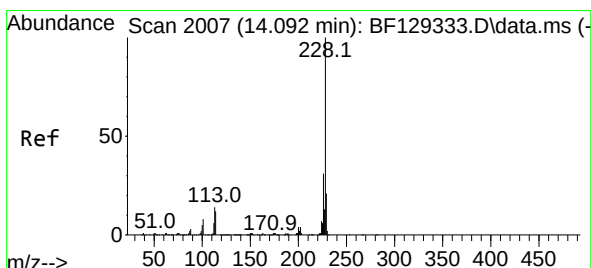
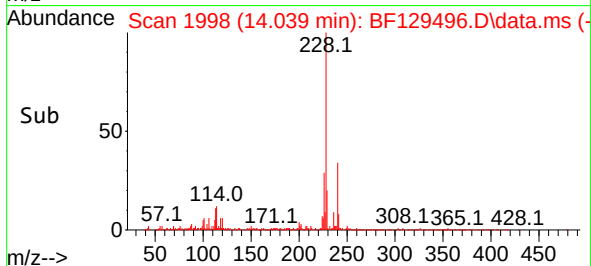
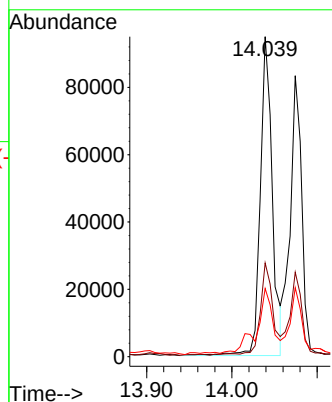
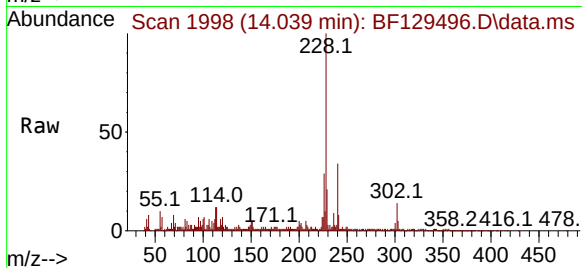
Tgt Ion:228 Resp: 92607

Ion Ratio Lower Upper

228 100

226 29.3 22.1 33.1

229 21.3 15.8 23.8



#83

Chrysene

Concen: 5.234 ng

RT: 14.039 min Scan# 1998

Delta R.T. -0.035 min

Lab File: BF129496.D

Acq: 02 Aug 2022 03:17

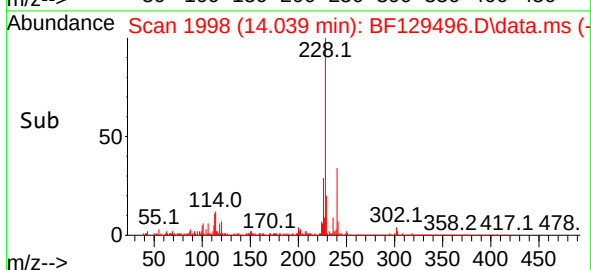
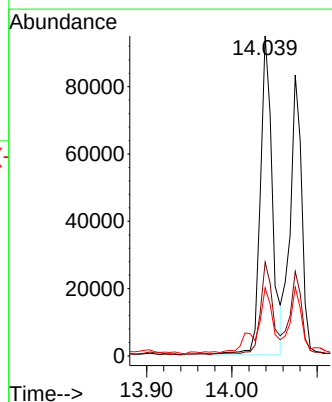
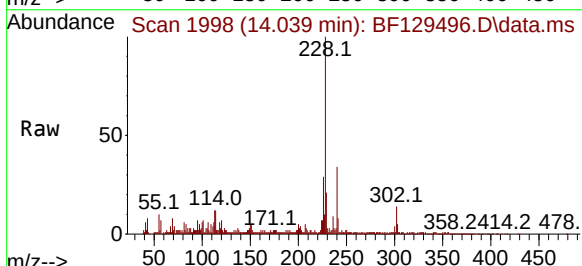
Tgt Ion:228 Resp: 92607

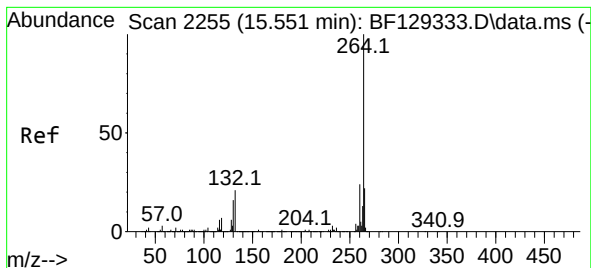
Ion Ratio Lower Upper

228 100

226 29.3 24.3 36.5

229 21.3 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129496.D

Acq: 02 Aug 2022 03:17

Instrument :

BNA_F

ClientSampleId :

RVE-72

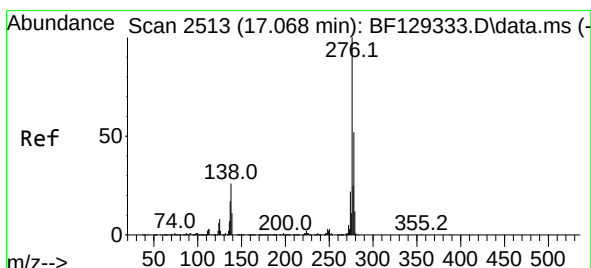
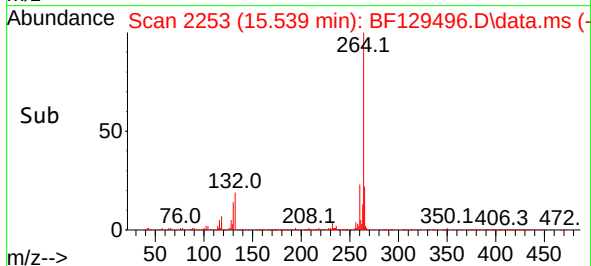
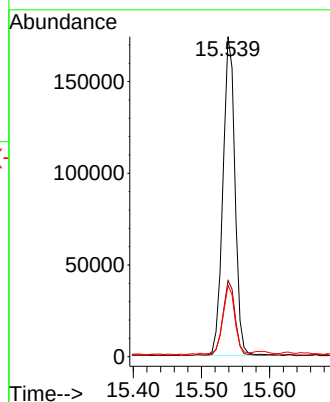
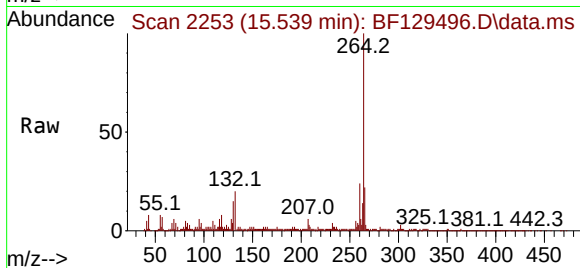
Tgt Ion:264 Resp: 214782

Ion Ratio Lower Upper

264 100

260 23.8 18.4 27.6

265 22.3 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.405 ng

RT: 17.045 min Scan# 2509

Delta R.T. 0.012 min

Lab File: BF129496.D

Acq: 02 Aug 2022 03:17

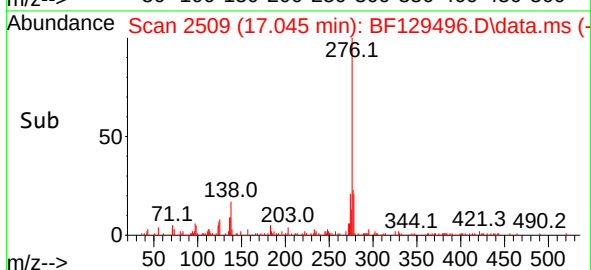
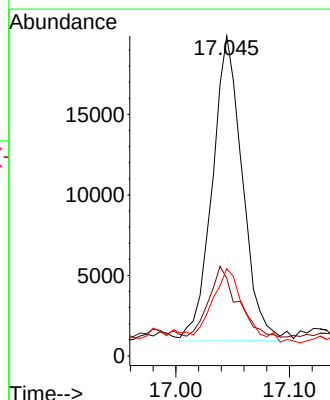
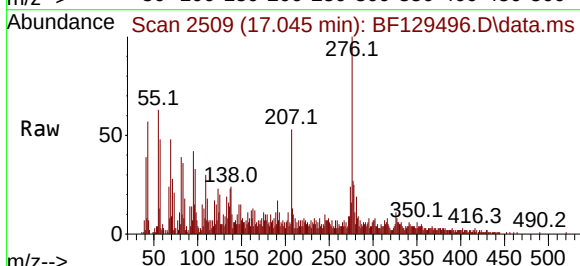
Tgt Ion:276 Resp: 34779

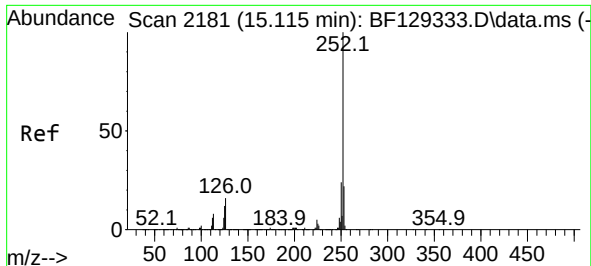
Ion Ratio Lower Upper

276 100

138 22.0 21.1 31.7

277 25.9 20.3 30.5

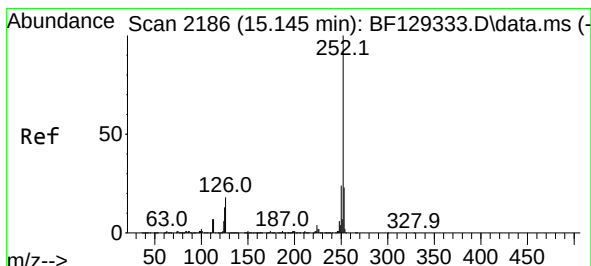
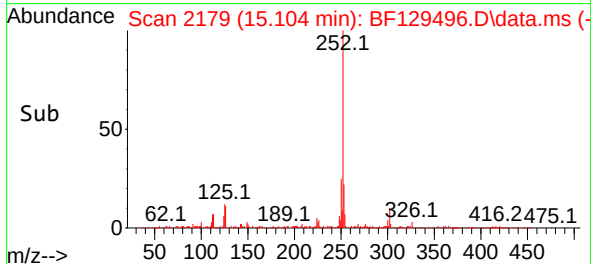
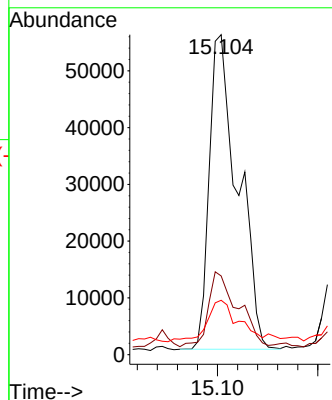
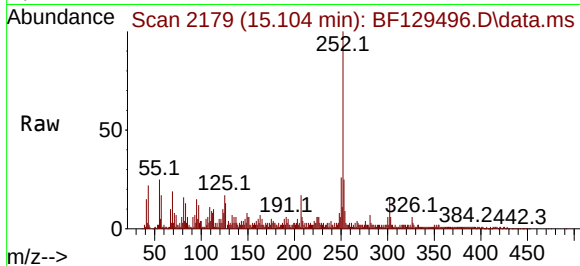




#88
Benzo(b)fluoranthene
Concen: 7.687 ng
RT: 15.104 min Scan# 2181
Delta R.T. 0.012 min
Lab File: BF129496.D
Acq: 02 Aug 2022 03:17

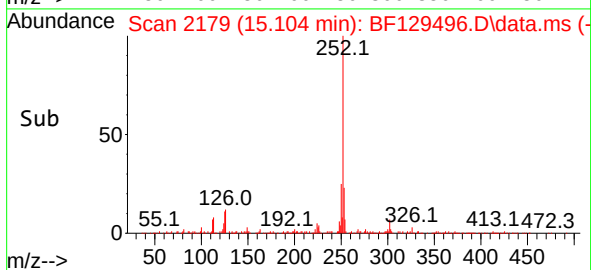
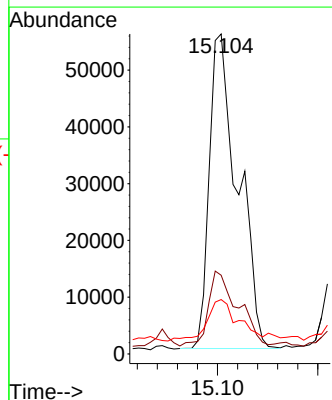
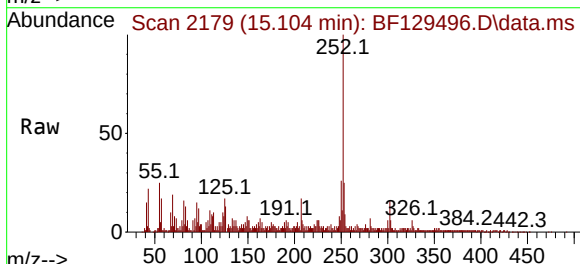
Instrument :
BNA_F
ClientSampleId :
RVE-72

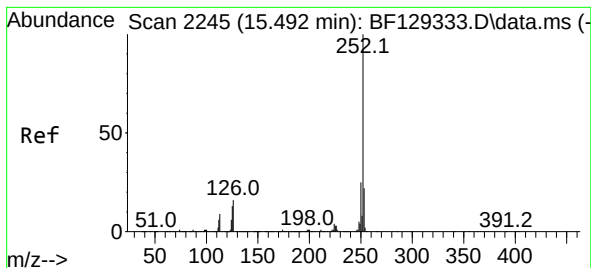
Tgt Ion:252 Resp: 109523
Ion Ratio Lower Upper
252 100
253 24.6 17.7 26.5
125 17.0 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 7.845 ng
RT: 15.104 min Scan# 2179
Delta R.T. -0.018 min
Lab File: BF129496.D
Acq: 02 Aug 2022 03:17

Tgt Ion:252 Resp: 109523
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.6
125 17.0 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 4.931 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129496.D

Acq: 02 Aug 2022 03:17

Instrument :

BNA_F

ClientSampleId :

RVE-72

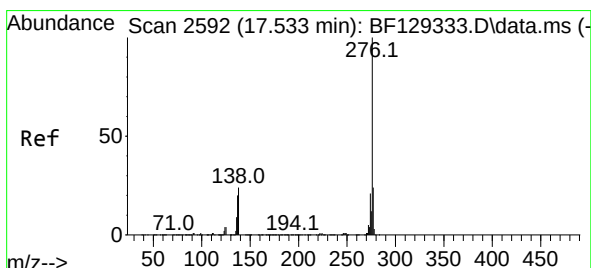
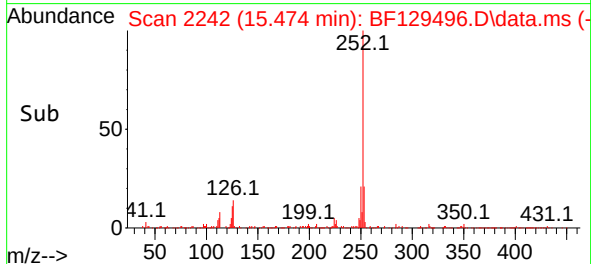
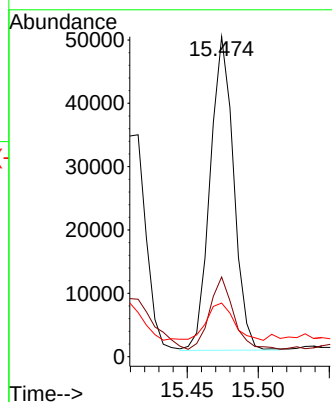
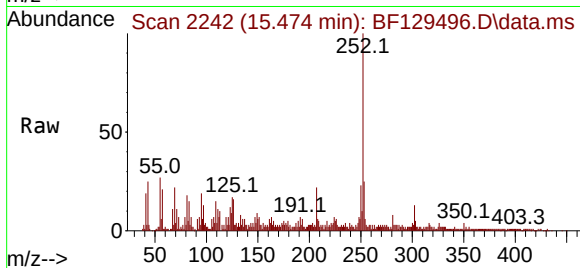
Tgt Ion:252 Resp: 57034

Ion Ratio Lower Upper

252 100

253 24.9 17.0 25.6

125 16.7 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 2.827 ng

RT: 17.503 min Scan# 2587

Delta R.T. 0.012 min

Lab File: BF129496.D

Acq: 02 Aug 2022 03:17

Tgt Ion:276 Resp: 34008

Ion Ratio Lower Upper

276 100

277 27.3 19.1 28.7

138 24.7 18.0 27.0

