

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080222\
 Data File : BF129523.D
 Acq On : 02 Aug 2022 23:47
 Operator : CG\JU
 Sample : N3927-16
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-89

Quant Time: Aug 03 01:48:40 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)

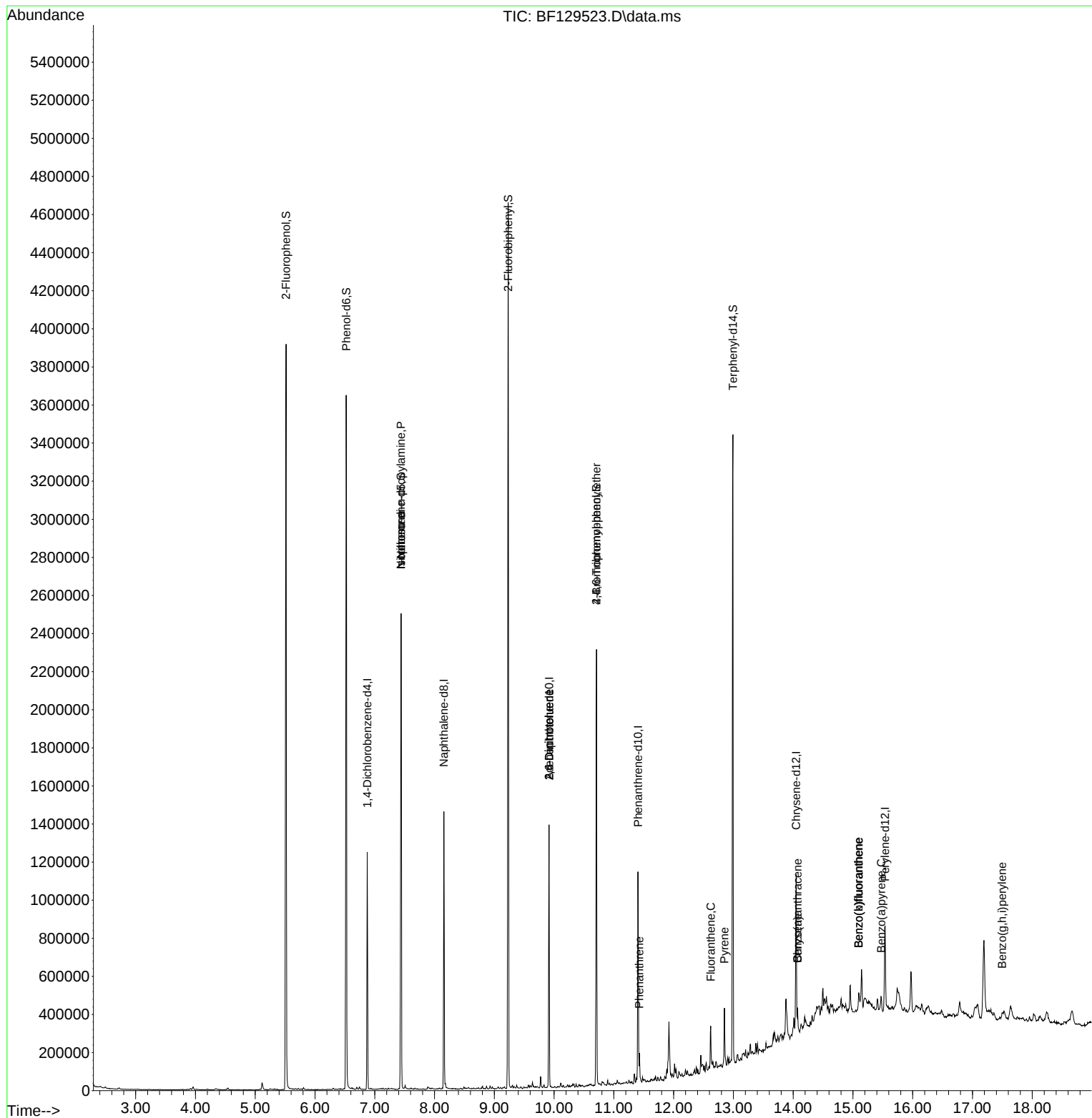
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	158415	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	561677	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	248059	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	363690	20.000	ng	# 0.00
76) Chrysene-d12	14.051	240	263165	20.000	ng	0.00
86) Perylene-d12	15.539	264	197094	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1033560	106.282	ng	0.01
7) Phenol-d6	6.522	99	1264026	103.411	ng	0.00
23) Nitrobenzene-d5	7.440	82	789388	76.719	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	243458	102.083	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1292959	80.632	ng	0.00
79) Terphenyl-d14	12.992	244	1132388	81.179	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	106079	14.335	ng	# 72
25) Isophorone	7.440	82	789378	42.800	ng	# 65
51) 2,6-Dinitrotoluene	9.916	165	32382	8.449	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	32382	6.467	ng	# 21
67) 4-Bromophenyl-phenylether	10.710	248	15417	3.871	ng	# 1
71) Phenanthrene	11.427	178	46282	2.331	ng	98
75) Fluoranthene	12.622	202	77536	3.855	ng	99
78) Pyrene	12.851	202	110482	5.020	ng	98
81) Benzo(a)anthracene	14.074	228	46621	2.593	ng	96
83) Chrysene	14.074	228	46621	2.752	ng	97
88) Benzo(b)fluoranthene	15.098	252	53299	4.077	ng	# 85
89) Benzo(k)fluoranthene	15.098	252	53299	4.160	ng	# 85
90) Benzo(a)pyrene	15.474	252	28431	2.679	ng	# 86
92) Benzo(g,h,i)perylene	17.498	276	22293	2.020	ng	93

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

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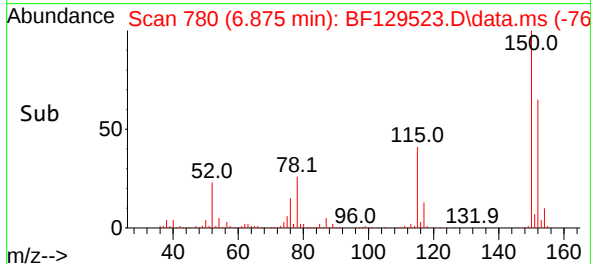
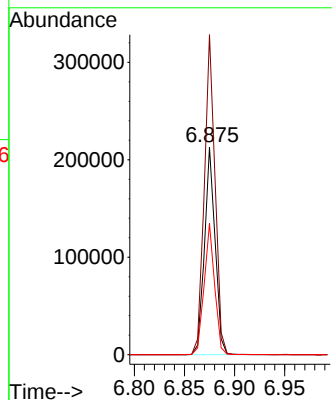
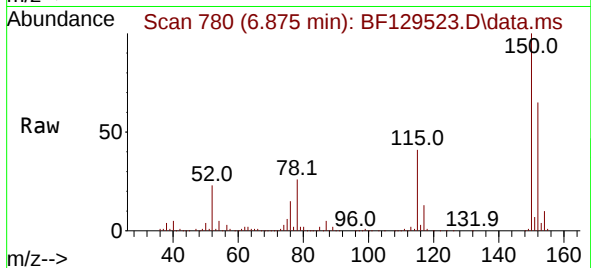




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129523.D
Acq: 02 Aug 2022 23:47

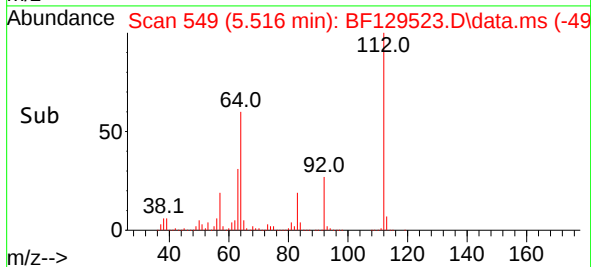
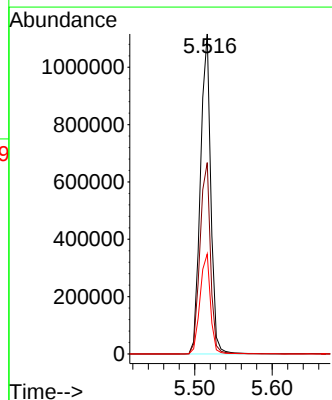
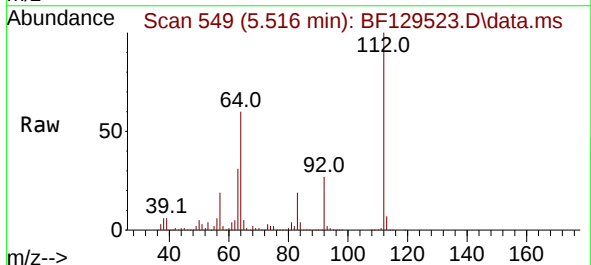
Instrument :
BNA_F
ClientSampleId :
RVE-89

Tgt Ion:152 Resp: 158415
Ion Ratio Lower Upper
152 100
150 154.1 123.7 185.5
115 63.2 49.9 74.9



#5
2-Fluorophenol
Concen: 106.282 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.012 min
Lab File: BF129523.D
Acq: 02 Aug 2022 23:47

Tgt Ion:112 Resp: 1033560
Ion Ratio Lower Upper
112 100
64 59.8 53.3 79.9
63 31.2 28.0 42.0

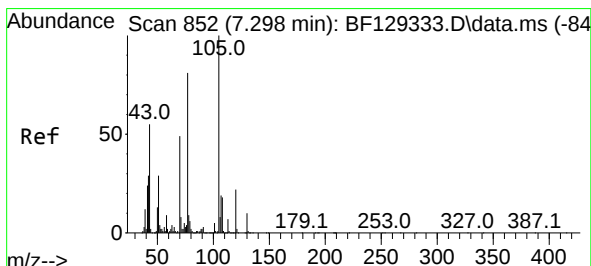
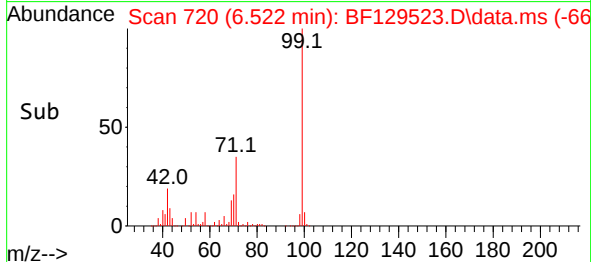
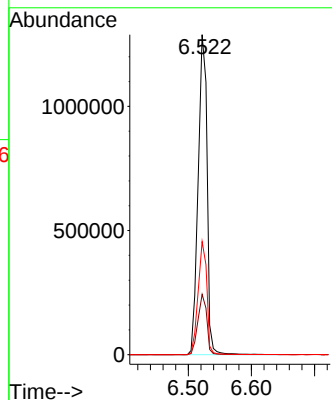
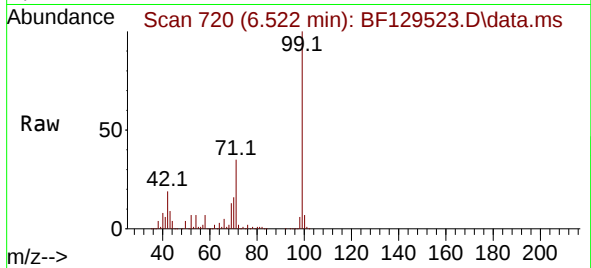




#7
Phenol-d6
Concen: 103.411 ng
RT: 6.522 min Scan# 719
Delta R.T. -0.000 min
Lab File: BF129523.D
Acq: 02 Aug 2022 23:47

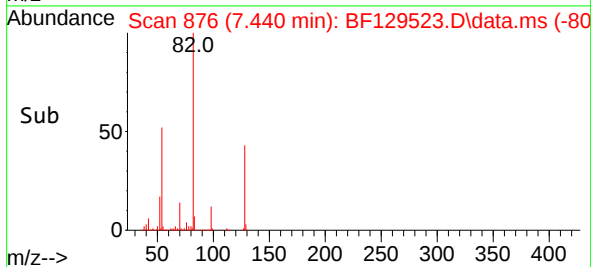
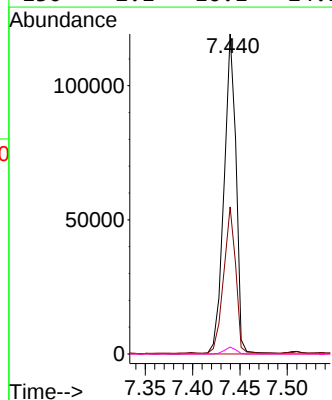
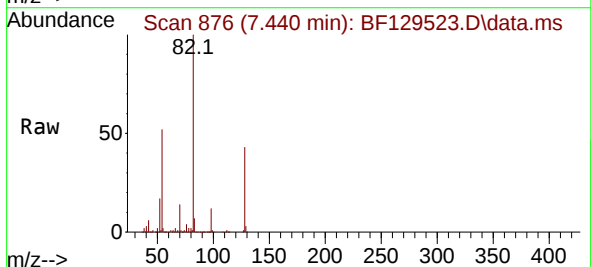
Instrument :
BNA_F
ClientSampleId :
RVE-89

Tgt Ion: 99 Resp: 1264026
Ion Ratio Lower Upper
99 100
42 18.9 17.3 25.9
71 35.4 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 14.335 ng
RT: 7.440 min Scan# 876
Delta R.T. 0.147 min
Lab File: BF129523.D
Acq: 02 Aug 2022 23:47

Tgt Ion: 70 Resp: 106079
Ion Ratio Lower Upper
70 100
42 45.9 52.3 78.5#
101 0.0 7.5 11.3#
130 2.1 16.1 24.1#



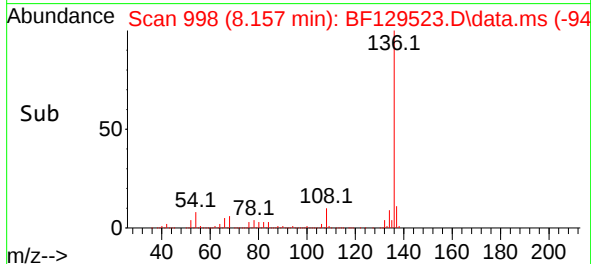
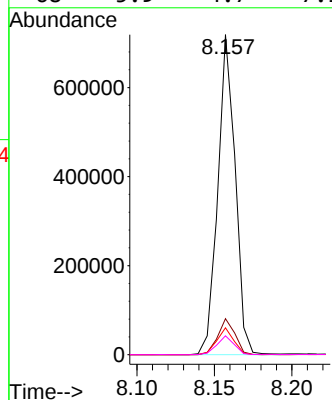
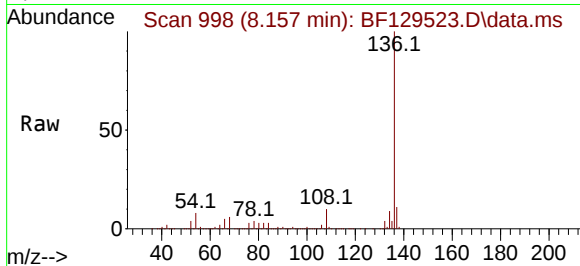


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129523.D
Acq: 02 Aug 2022 23:47

Instrument :
BNA_F
ClientSampleId :
RVE-89

Tgt Ion:136 Resp: 561677

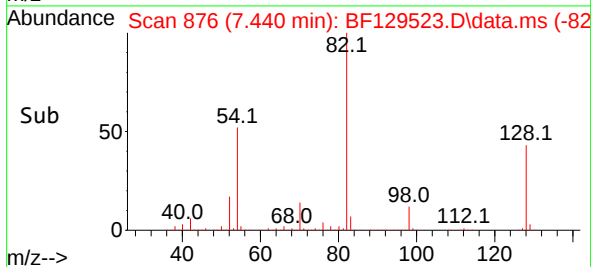
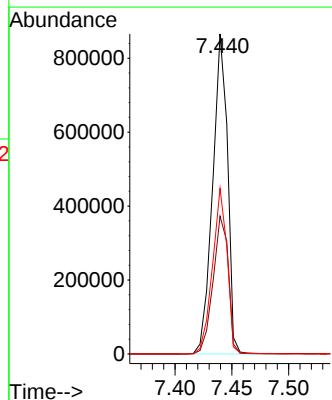
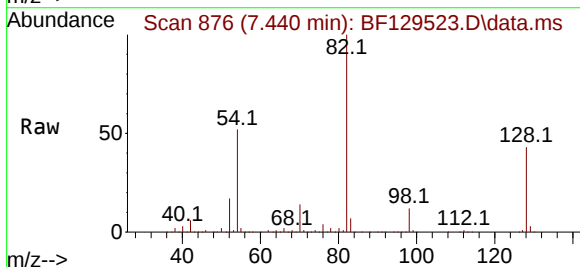
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.4	7.5	11.3
68	5.9	4.7	7.1



#23
Nitrobenzene-d5
Concen: 76.719 ng
RT: 7.440 min Scan# 876
Delta R.T. -0.006 min
Lab File: BF129523.D
Acq: 02 Aug 2022 23:47

Tgt Ion: 82 Resp: 789388

Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.0	51.0
54	51.8	46.9	70.3

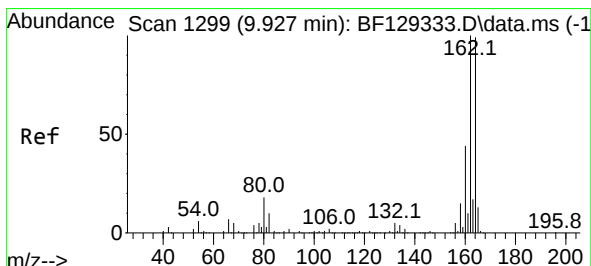
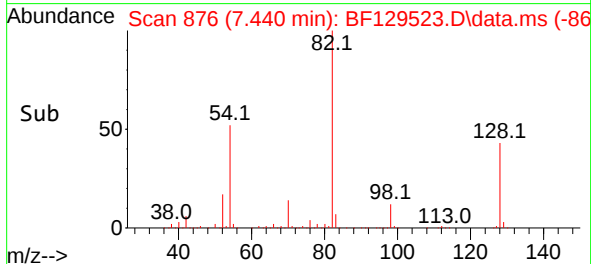
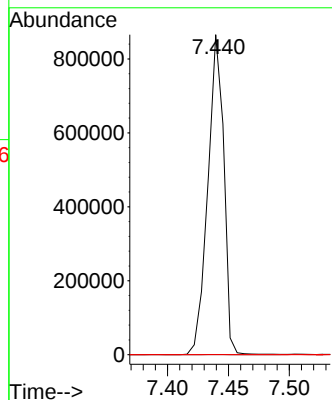
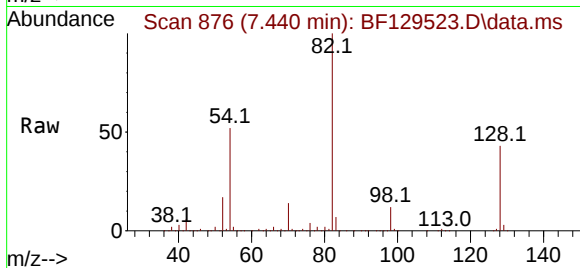




#25
Isophorone
Concen: 42.800 ng
RT: 7.440 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF129523.D
Acq: 02 Aug 2022 23:47

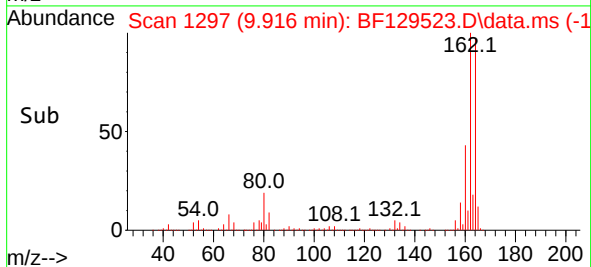
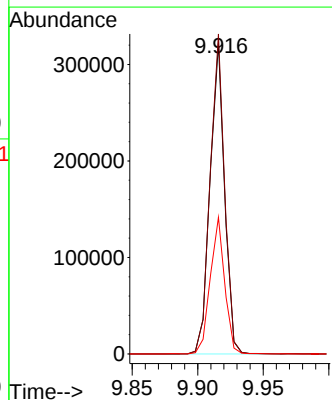
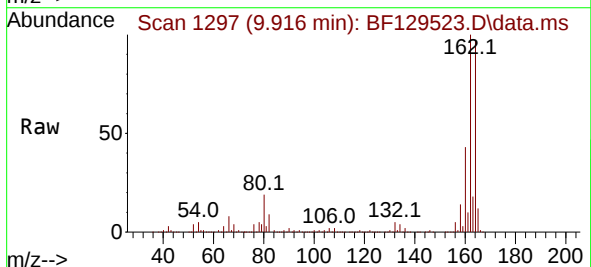
Instrument :
BNA_F
ClientSampleId :
RVE-89

Tgt Ion: 82 Resp: 789378
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: BF129523.D
Acq: 02 Aug 2022 23:47

Tgt Ion:164 Resp: 248059
Ion Ratio Lower Upper
164 100
162 103.0 79.5 119.3
160 44.0 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 102.083 ng

RT: 10.710 min Scan# 1432

Delta R.T. -0.000 min

Lab File: BF129523.D

Acq: 02 Aug 2022 23:47

Instrument :

BNA_F

ClientSampleId :

RVE-89

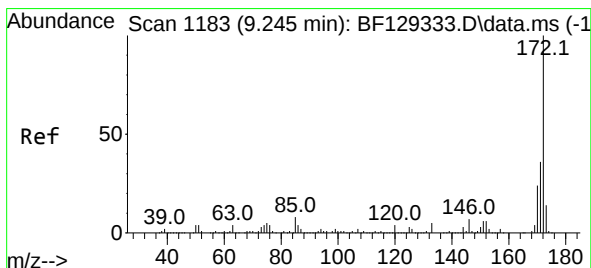
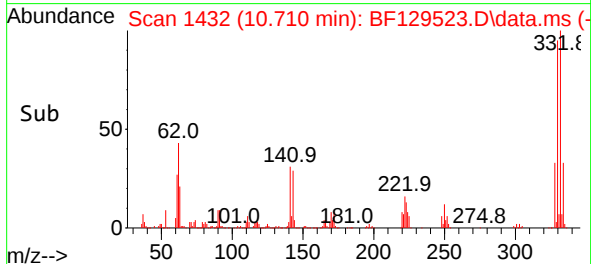
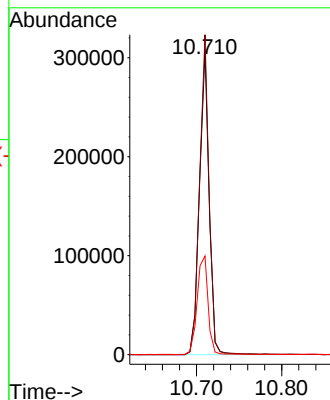
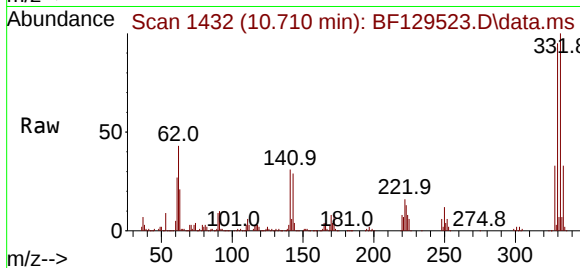
Tgt Ion:330 Resp: 243458

Ion Ratio Lower Upper

330 100

332 103.1 76.8 115.2

141 36.2 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 80.632 ng

RT: 9.234 min Scan# 1181

Delta R.T. -0.000 min

Lab File: BF129523.D

Acq: 02 Aug 2022 23:47

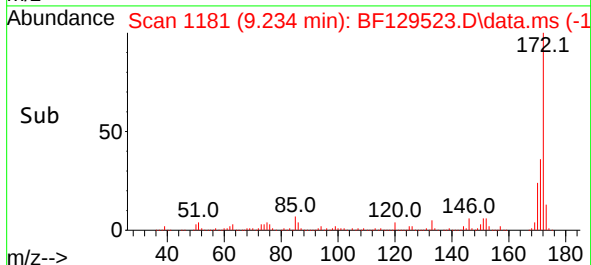
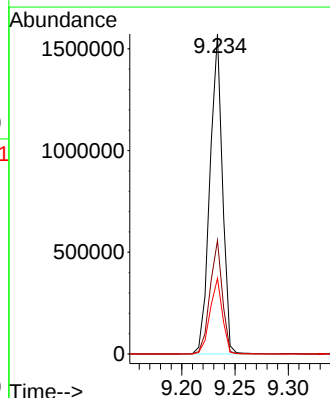
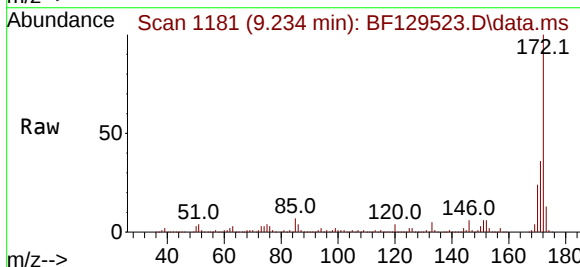
Tgt Ion:172 Resp: 1292959

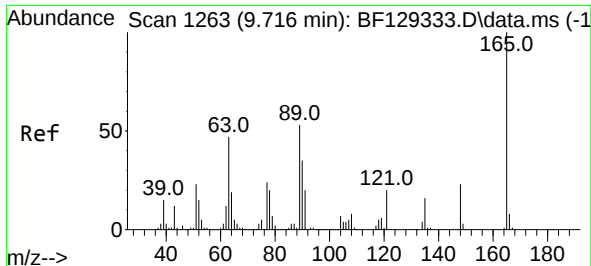
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.6 19.8 29.8

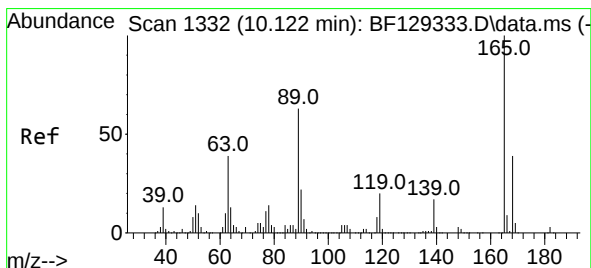
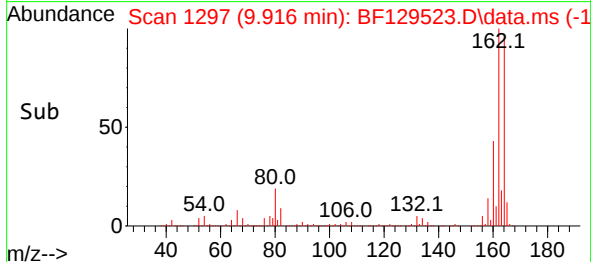
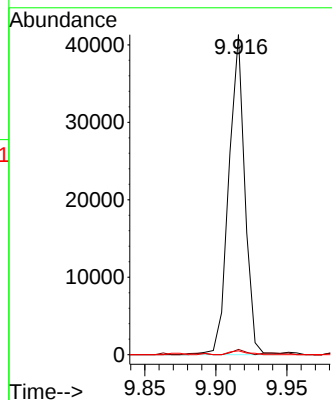
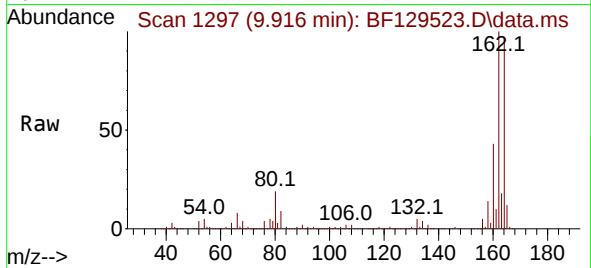




#51
2,6-Dinitrotoluene
Concen: 8.449 ng
RT: 9.916 min Scan# 1297
Delta R.T. 0.212 min
Lab File: BF129523.D
Acq: 02 Aug 2022 23:47

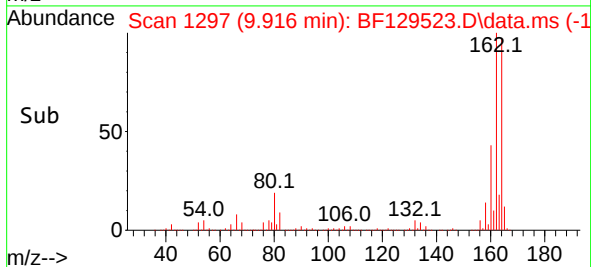
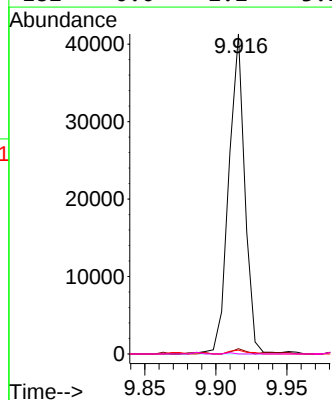
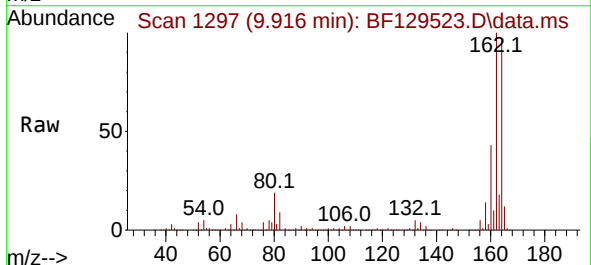
Instrument :
BNA_F
ClientSampleId :
RVE-89

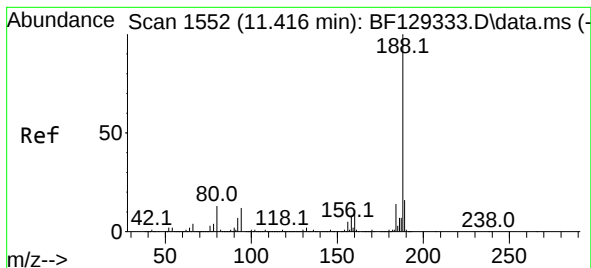
Tgt Ion:165 Resp: 32382
Ion Ratio Lower Upper
165 100
63 1.6 44.9 67.3#
89 1.2 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 6.467 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.194 min
Lab File: BF129523.D
Acq: 02 Aug 2022 23:47

Tgt Ion:165 Resp: 32382
Ion Ratio Lower Upper
165 100
63 1.6 39.8 59.6#
89 1.2 60.2 90.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF129523.D

Acq: 02 Aug 2022 23:47

Instrument :

BNA_F

ClientSampleId :

RVE-89

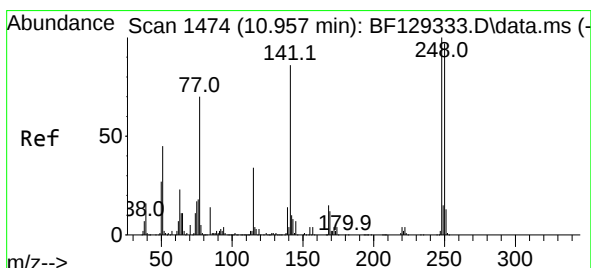
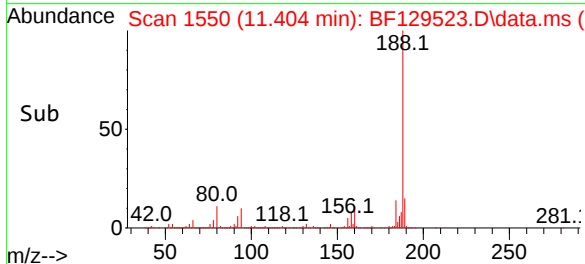
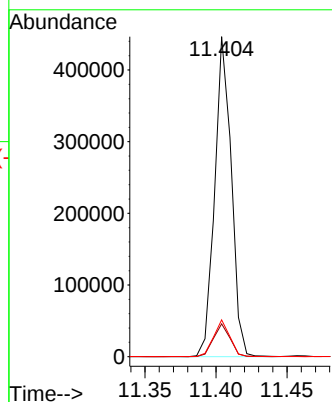
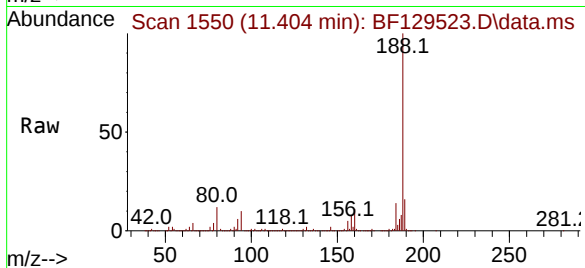
Tgt Ion:188 Resp: 363690

Ion Ratio Lower Upper

188 100

94 10.2 7.0 10.6

80 11.5 7.6 11.4#



#67

4-Bromophenyl-phenylether

Concen: 3.871 ng

RT: 10.710 min Scan# 1432

Delta R.T. -0.235 min

Lab File: BF129523.D

Acq: 02 Aug 2022 23:47

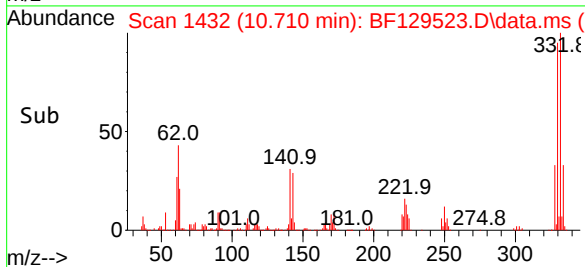
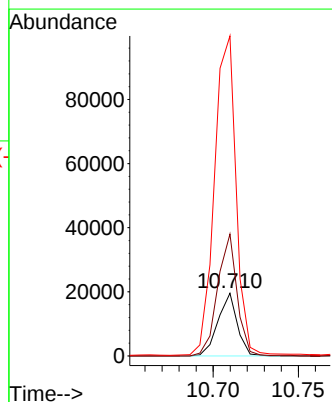
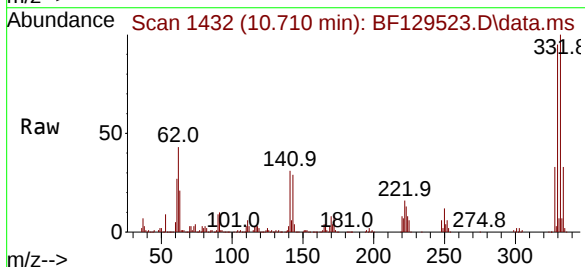
Tgt Ion:248 Resp: 15417

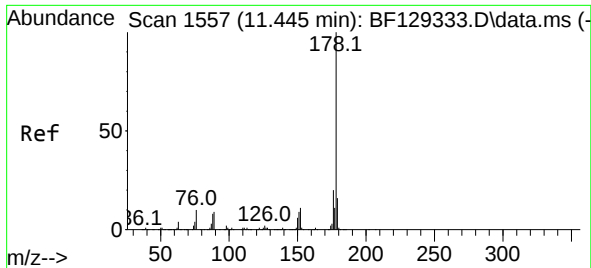
Ion Ratio Lower Upper

248 100

250 194.6 80.6 120.8#

141 510.4 58.9 88.3#

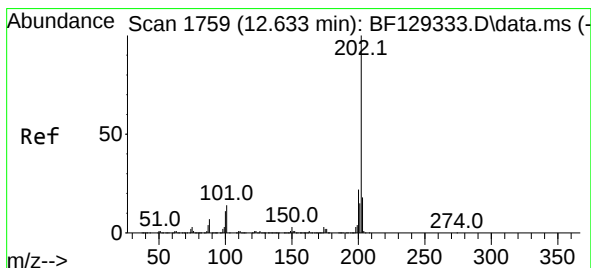
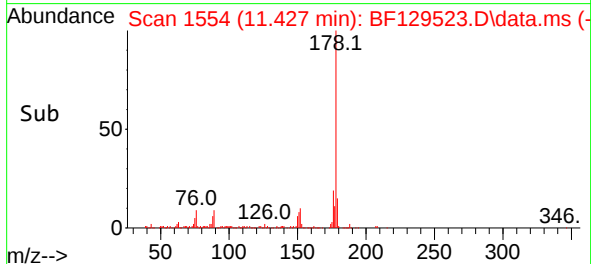
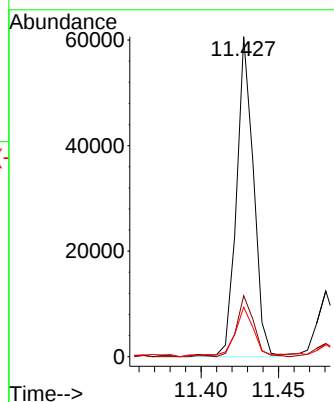
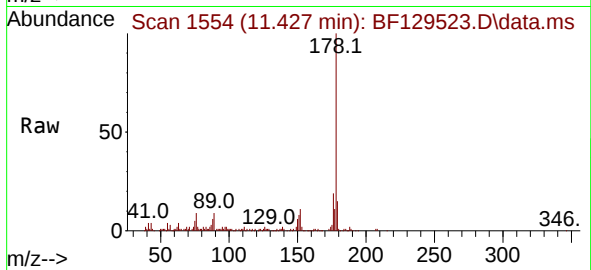




#71
Phenanthrene
Concen: 2.331 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129523.D
Acq: 02 Aug 2022 23:47

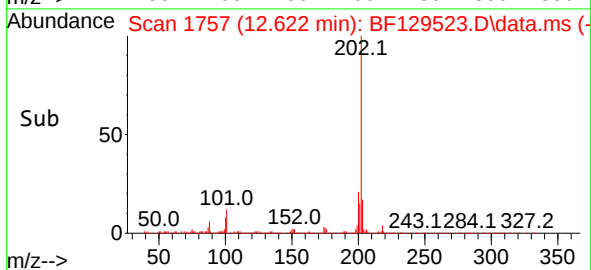
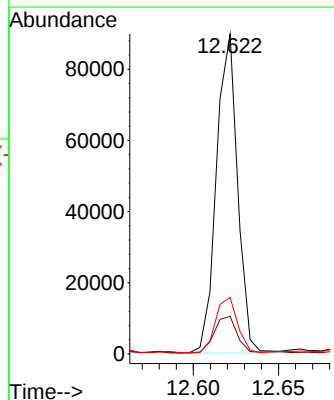
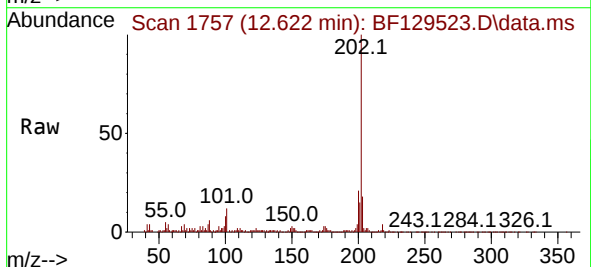
Instrument :
BNA_F
ClientSampleId :
RVE-89

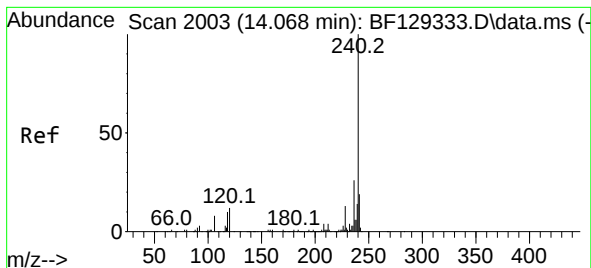
Tgt Ion:178 Resp: 46282
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.4 12.6 19.0



#75
Fluoranthene
Concen: 3.855 ng
RT: 12.622 min Scan# 1757
Delta R.T. -0.000 min
Lab File: BF129523.D
Acq: 02 Aug 2022 23:47

Tgt Ion:202 Resp: 77536
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.4
203 17.6 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2000

Delta R.T. -0.000 min

Lab File: BF129523.D

Acq: 02 Aug 2022 23:47

Instrument :

BNA_F

ClientSampleId :

RVE-89

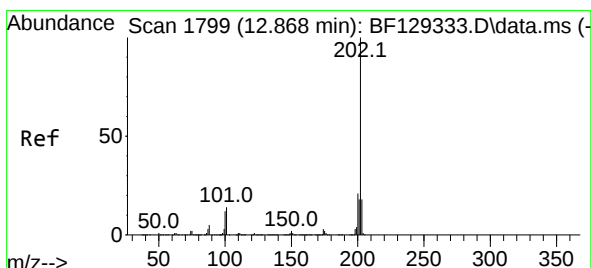
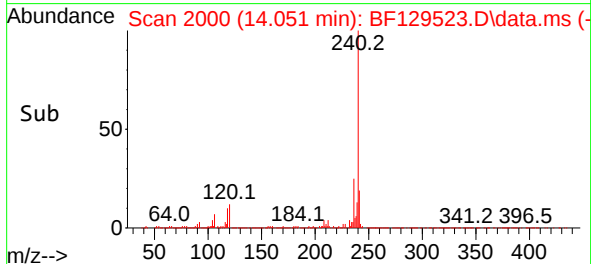
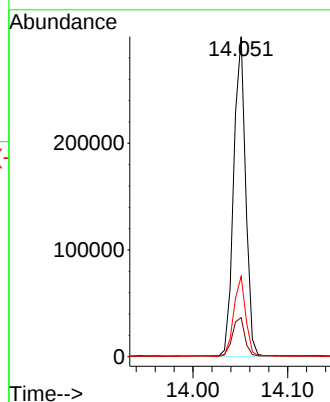
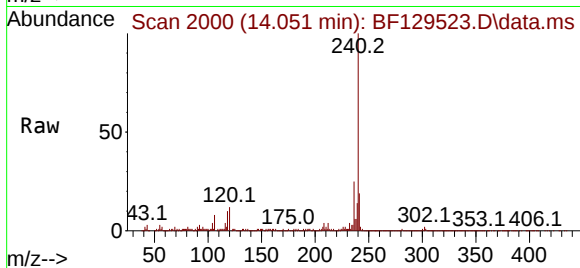
Tgt Ion:240 Resp: 263165

Ion Ratio Lower Upper

240 100

120 12.2 8.9 13.3

236 25.1 20.8 31.2



#78

Pyrene

Concen: 5.020 ng

RT: 12.851 min Scan# 1796

Delta R.T. -0.000 min

Lab File: BF129523.D

Acq: 02 Aug 2022 23:47

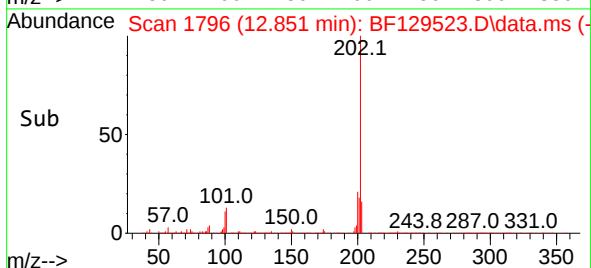
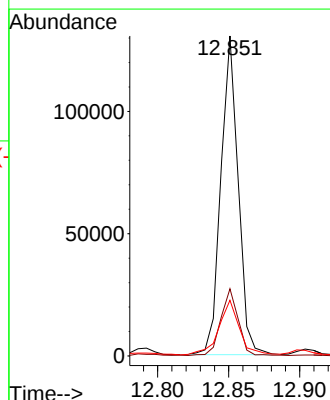
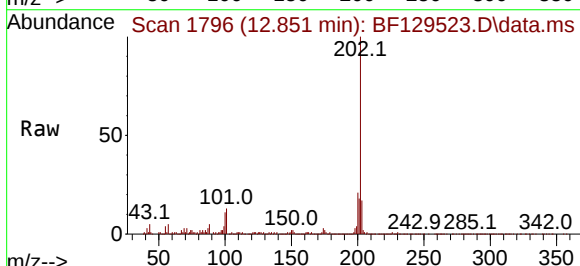
Tgt Ion:202 Resp: 110482

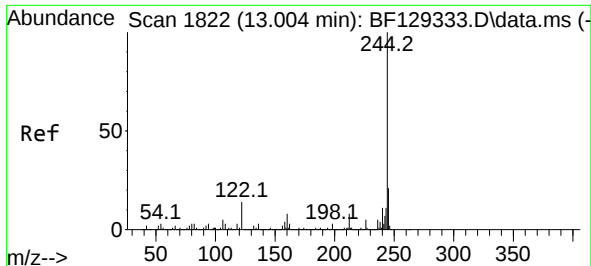
Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

203 17.4 14.6 21.8

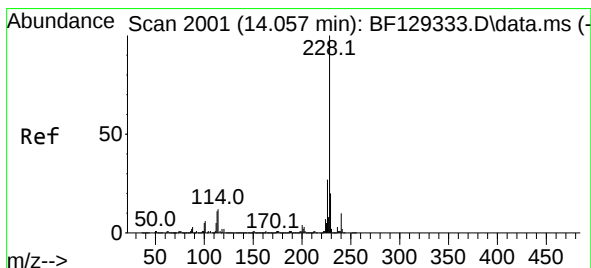
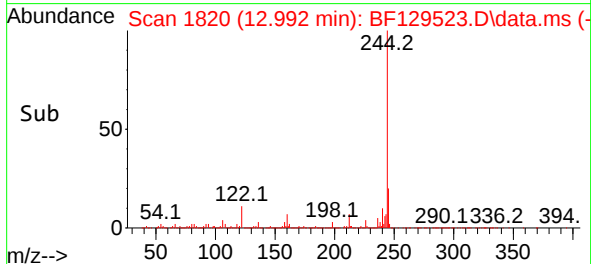
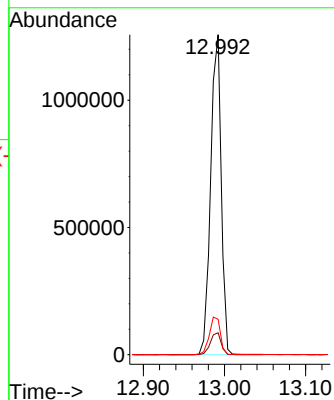
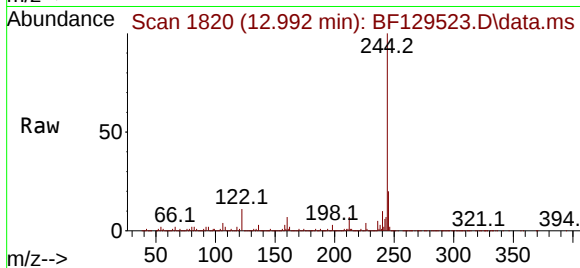




#79
 Terphenyl-d14
 Concen: 81.179 ng
 RT: 12.992 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF129523.D
 Acq: 02 Aug 2022 23:47

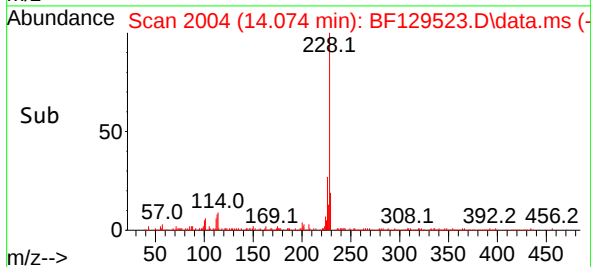
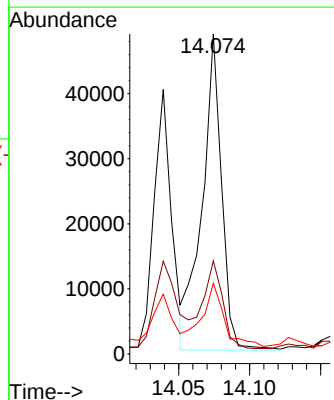
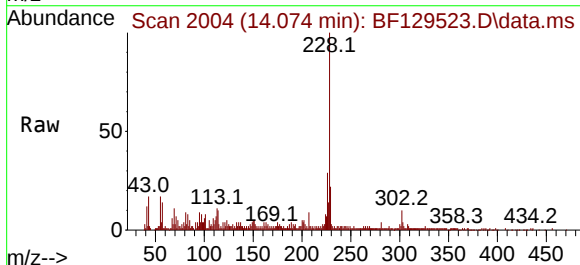
Instrument :
 BNA_F
 ClientSampleId :
 RVE-89

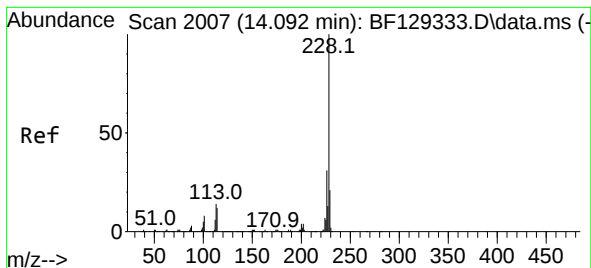
Tgt Ion:244 Resp: 1132388
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 11.1 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 2.593 ng
 RT: 14.074 min Scan# 2004
 Delta R.T. 0.035 min
 Lab File: BF129523.D
 Acq: 02 Aug 2022 23:47

Tgt Ion:228 Resp: 46621
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.1 33.1
 229 22.1 15.8 23.8





#83

Chrysene

Concen: 2.752 ng

RT: 14.074 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF129523.D

Acq: 02 Aug 2022 23:47

Instrument :

BNA_F

ClientSampleId :

RVE-89

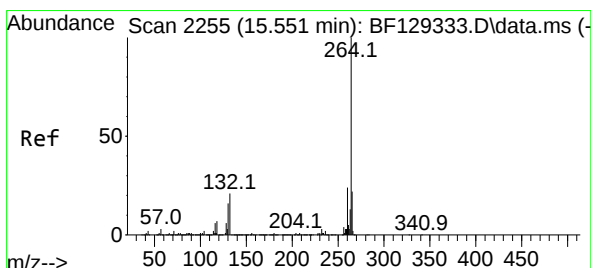
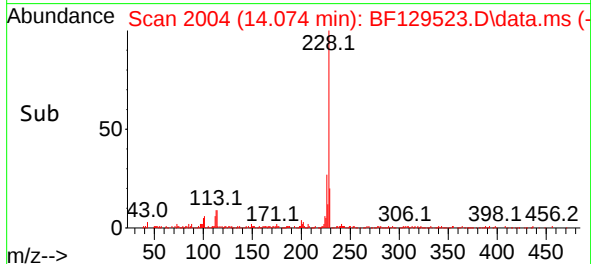
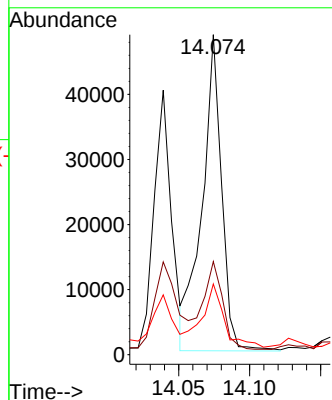
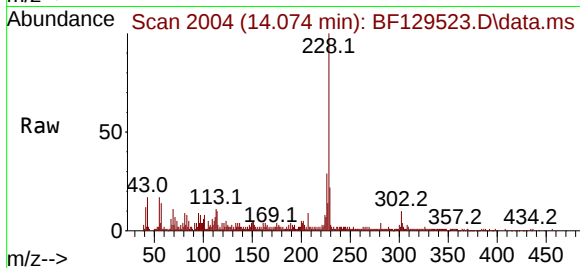
Tgt Ion:228 Resp: 46621

Ion Ratio Lower Upper

228 100

226 29.1 24.3 36.5

229 22.1 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2253

Delta R.T. 0.012 min

Lab File: BF129523.D

Acq: 02 Aug 2022 23:47

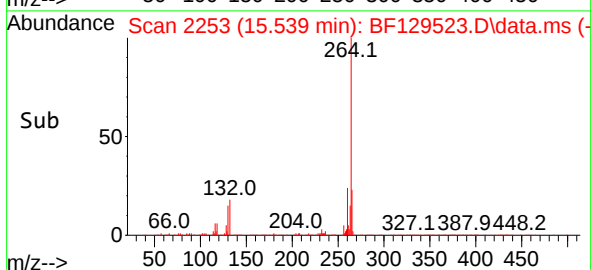
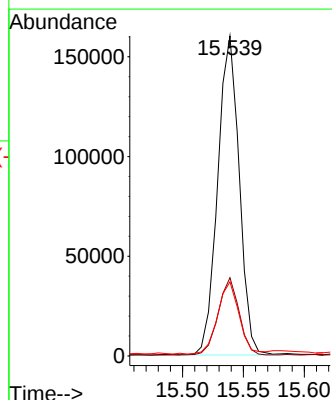
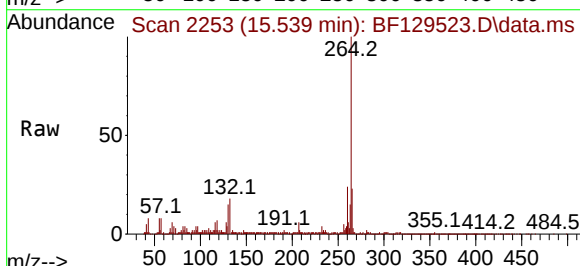
Tgt Ion:264 Resp: 197094

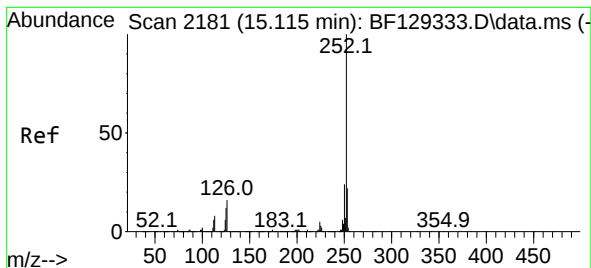
Ion Ratio Lower Upper

264 100

260 24.5 18.4 27.6

265 23.2 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 4.077 ng

RT: 15.098 min Scan# 2181

Delta R.T. 0.006 min

Lab File: BF129523.D

Acq: 02 Aug 2022 23:47

Instrument :

BNF_F

ClientSampleId :

RVE-89

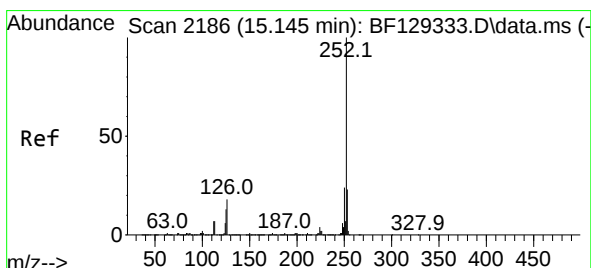
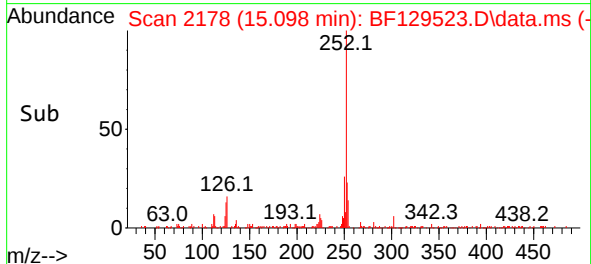
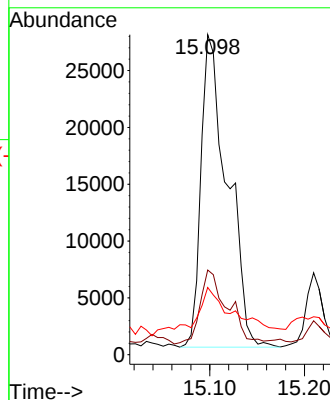
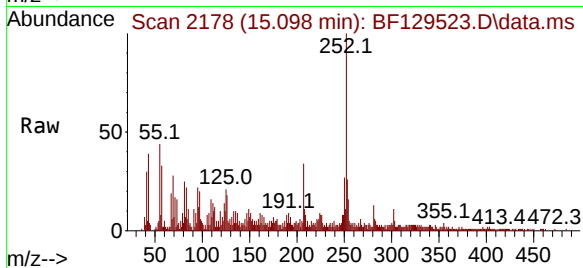
Tgt Ion:252 Resp: 53299

Ion Ratio Lower Upper

252 100

253 26.4 17.7 26.5

125 21.0 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 4.160 ng

RT: 15.098 min Scan# 2178

Delta R.T. -0.024 min

Lab File: BF129523.D

Acq: 02 Aug 2022 23:47

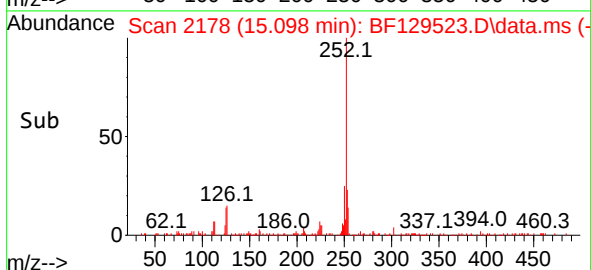
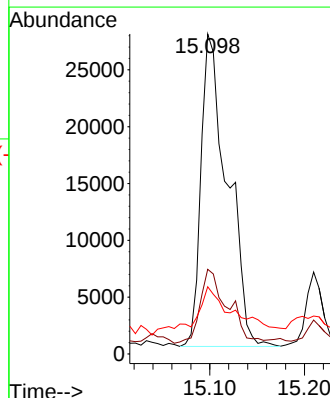
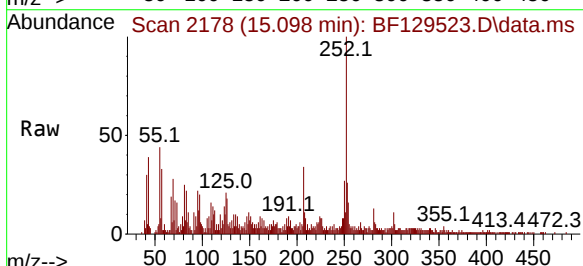
Tgt Ion:252 Resp: 53299

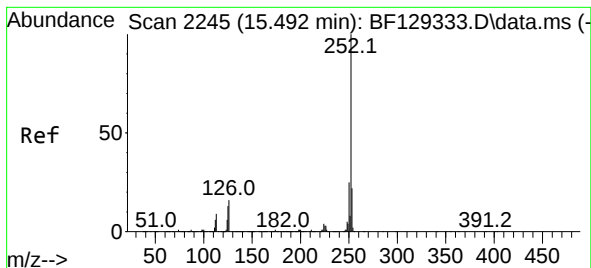
Ion Ratio Lower Upper

252 100

253 26.4 17.8 26.6

125 21.0 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 2.679 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129523.D

Acq: 02 Aug 2022 23:47

Instrument :

BNA_F

ClientSampleId :

RVE-89

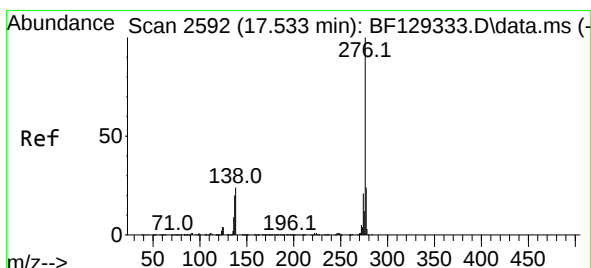
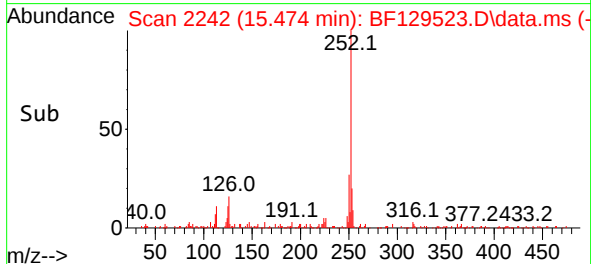
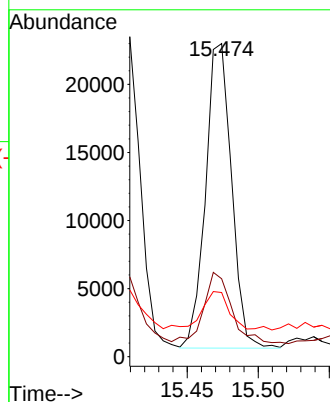
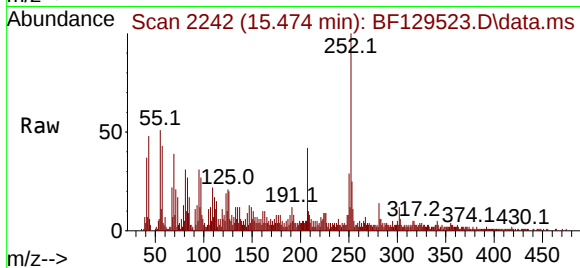
Tgt Ion:252 Resp: 28431

Ion Ratio Lower Upper

252 100

253 24.9 17.0 25.6

125 20.5 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 2.020 ng

RT: 17.498 min Scan# 2586

Delta R.T. 0.006 min

Lab File: BF129523.D

Acq: 02 Aug 2022 23:47

Tgt Ion:276 Resp: 22293

Ion Ratio Lower Upper

276 100

277 27.6 19.1 28.7

138 26.0 18.0 27.0

