

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081522\
 Data File : BF129797.D
 Acq On : 15 Aug 2022 23:55
 Operator : CG\JU
 Sample : N4205-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-1

Quant Time: Aug 16 03:20:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 15 02:28:31 2022
 Response via : Initial Calibration

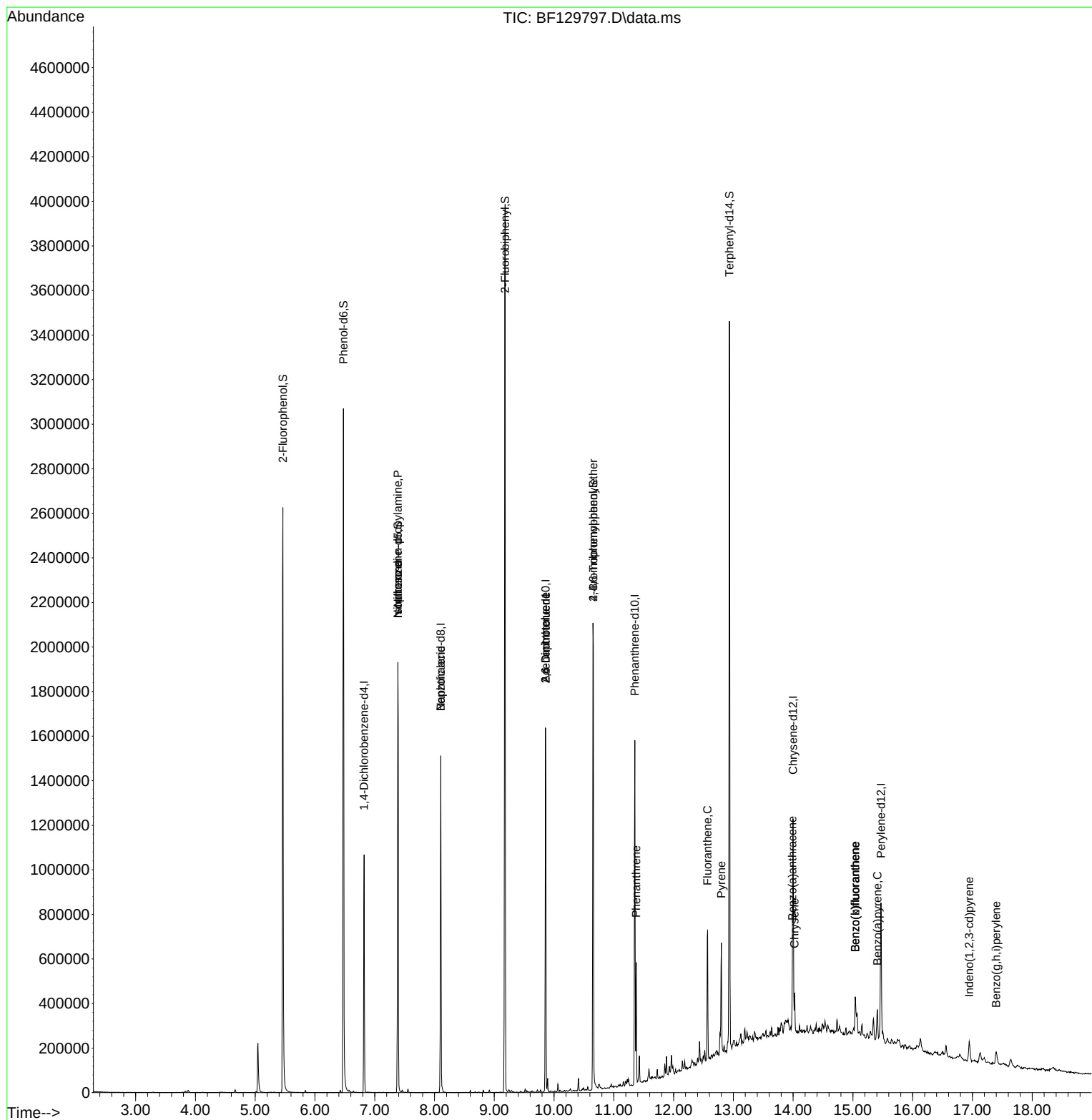
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	149311	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	619433	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	327072	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	522438	20.000	ng	0.00
76) Chrysene-d12	13.998	240	278243	20.000	ng	0.00
86) Perylene-d12	15.468	264	273160	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	759740	84.247	ng	0.00
7) Phenol-d6	6.475	99	993990	88.018	ng	0.00
23) Nitrobenzene-d5	7.387	82	638673	55.195	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	259406	79.023	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1252095	58.143	ng	0.00
79) Terphenyl-d14	12.933	244	1073280	64.184	ng	0.00
Target Compounds						
9) Benzaldehyde	6.428	77	118	Below Cal	Qvalue #	9
19) n-Nitroso-di-n-propyla...	7.387	70	84286	11.808 ng	#	78
25) Isophorone	7.387	82	638665	32.068 ng	#	65
32) Benzoic acid	8.104	122	77	2.176 ng	#	1
51) 2,6-Dinitrotoluene	9.857	165	42817	8.418 ng	#	22
57) 2,4-Dinitrotoluene	9.857	165	42817	6.485 ng	#	17
67) 4-Bromophenyl-phenylether	10.657	248	16103	2.632 ng	#	1
71) Phenanthrene	11.375	178	184416	6.320 ng		98
75) Fluoranthene	12.569	202	232381	7.783 ng		99
77) Benzidine	12.627	184	518	Below Cal	#	1
78) Pyrene	12.798	202	192282	7.952 ng		100
81) Benzo(a)anthracene	13.986	228	79281	4.142 ng		99
83) Chrysene	14.021	228	69160	3.860 ng		98
87) Indeno(1,2,3-cd)pyrene	16.945	276	48094	2.565 ng		95
88) Benzo(b)fluoranthene	15.039	252	118745	6.348 ng	#	95
89) Benzo(k)fluoranthene	15.039	252	118745	6.620 ng	#	94
90) Benzo(a)pyrene	15.410	252	64454	4.376 ng	#	97
92) Benzo(g,h,i)perylene	17.398	276	46092	2.986 ng	#	93

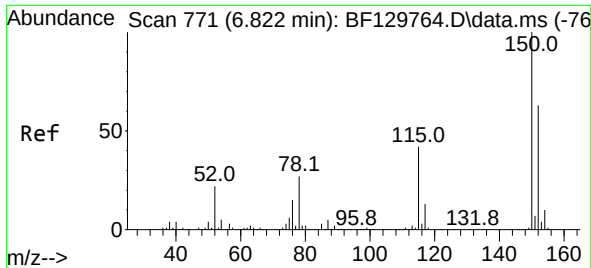
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF129797.D
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
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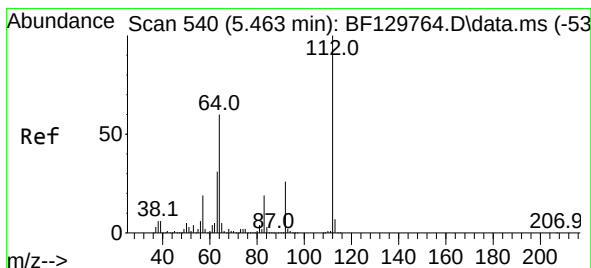
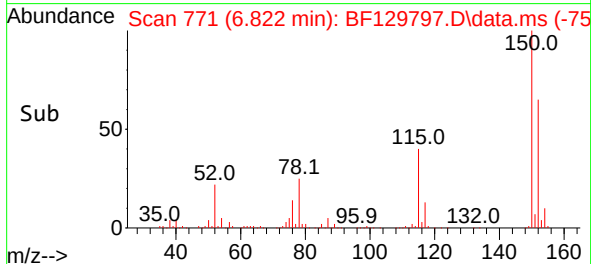
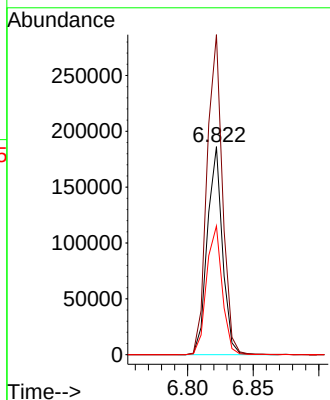
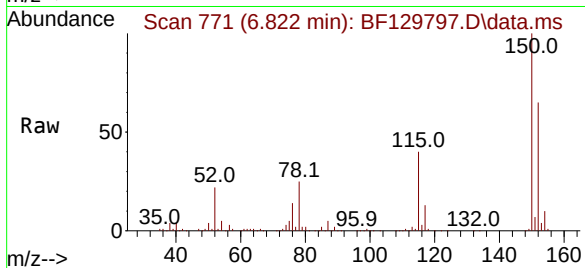




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 771
 Delta R.T. -0.000 min
 Lab File: BF129797.D
 Acq: 15 Aug 2022 23:55

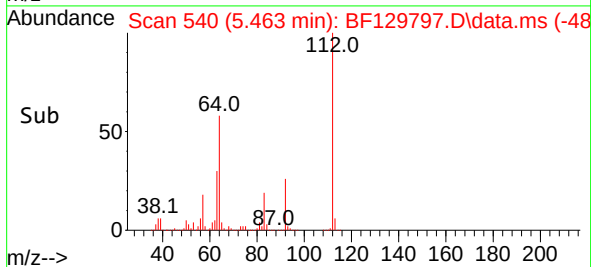
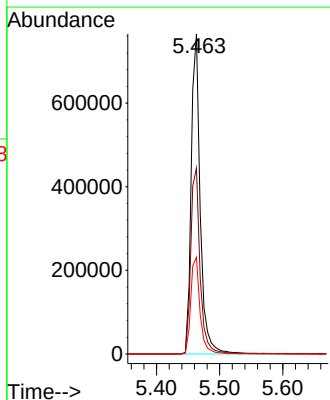
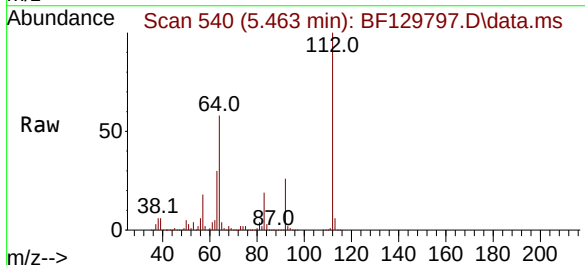
Instrument :
 BNA_F
 ClientSampleId :
 SS-1

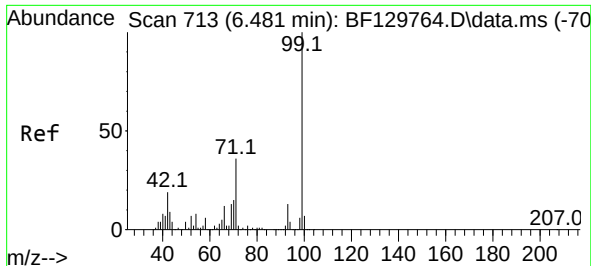
Tgt Ion:152 Resp: 149311
 Ion Ratio Lower Upper
 152 100
 150 153.8 126.9 190.3
 115 61.9 53.4 80.0



#5
 2-Fluorophenol
 Concen: 84.247 ng
 RT: 5.463 min Scan# 540
 Delta R.T. 0.000 min
 Lab File: BF129797.D
 Acq: 15 Aug 2022 23:55

Tgt Ion:112 Resp: 759740
 Ion Ratio Lower Upper
 112 100
 64 58.1 47.6 71.4
 63 30.2 24.6 37.0

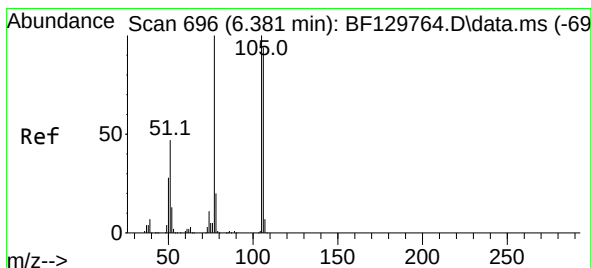
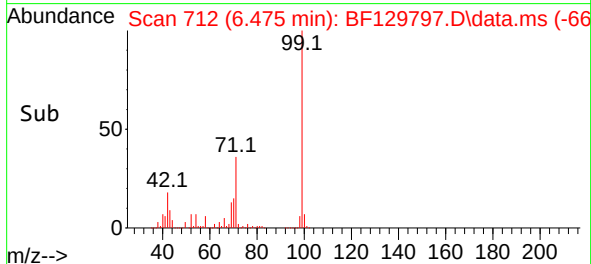
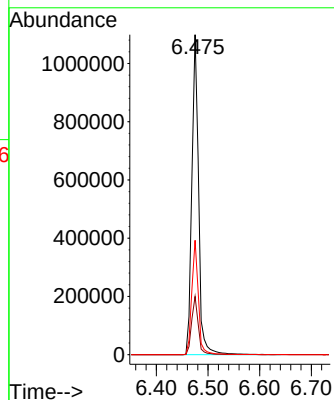
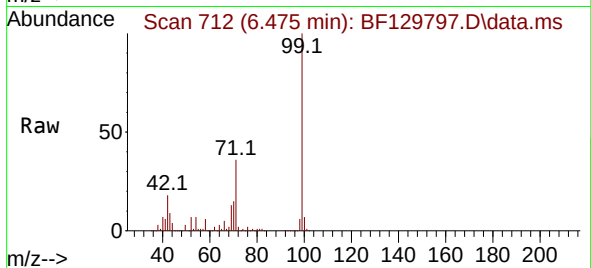




#7
Phenol-d6
Concen: 88.018 ng
RT: 6.475 min Scan# 713
Delta R.T. -0.006 min
Lab File: BF129797.D
Acq: 15 Aug 2022 23:55

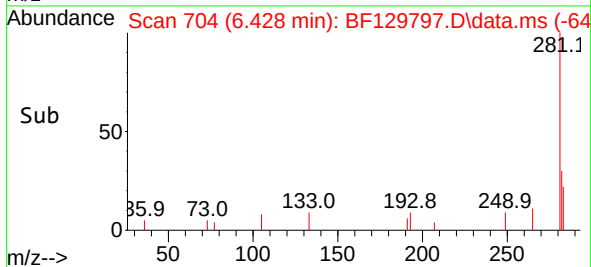
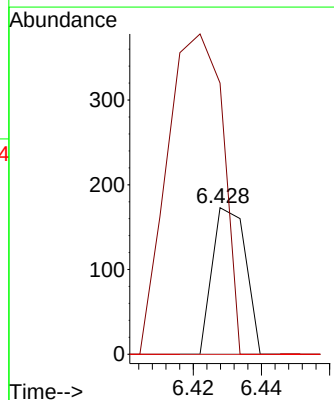
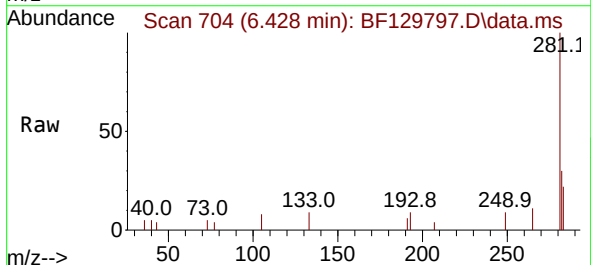
Instrument :
BNA_F
ClientSampleId :
SS-1

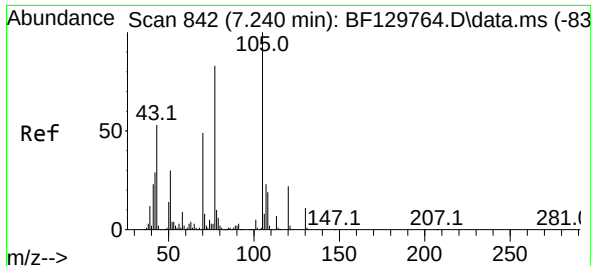
Tgt Ion: 99 Resp: 993990
Ion Ratio Lower Upper
99 100
42 18.2 15.0 22.4
71 35.7 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.428 min Scan# 704
Delta R.T. 0.047 min
Lab File: BF129797.D
Acq: 15 Aug 2022 23:55

Tgt Ion: 77 Resp: 118
Ion Ratio Lower Upper
77 100
105 185.0 80.3 120.3#
106 0.0 74.3 114.3#

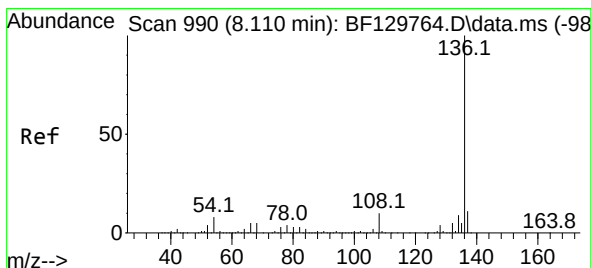
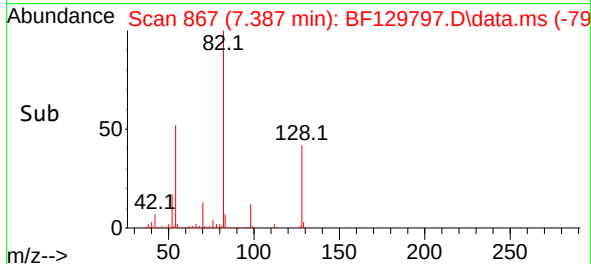
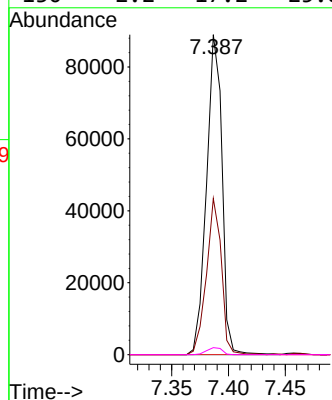
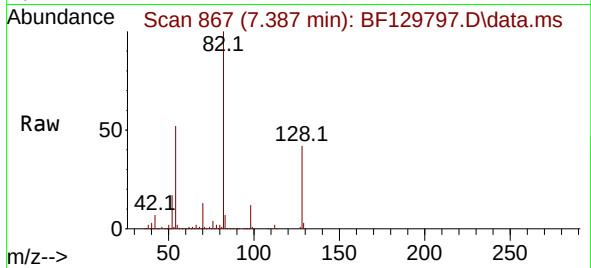




#19
n-Nitroso-di-n-propylamine
Concen: 11.808 ng
RT: 7.387 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129797.D
Acq: 15 Aug 2022 23:55

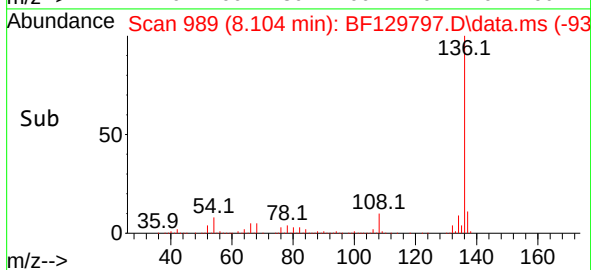
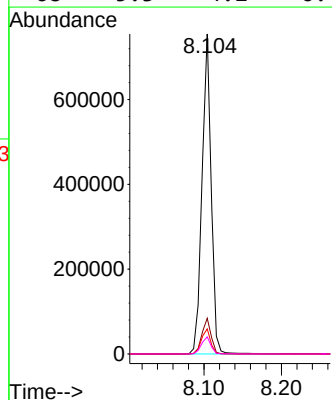
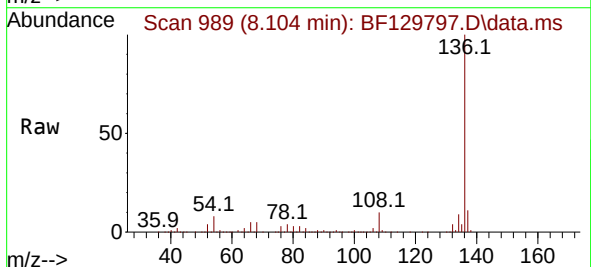
Instrument :
BNA_F
ClientSampleId :
SS-1

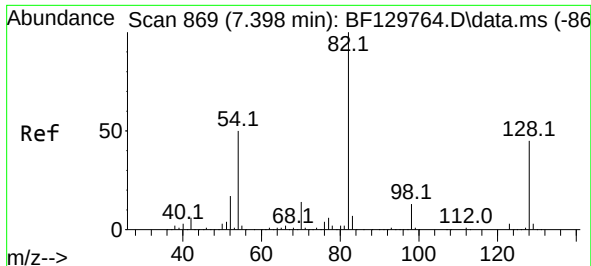
Tgt Ion: 70 Resp: 84286
Ion Ratio Lower Upper
70 100
42 48.8 47.6 71.4
101 0.0 8.1 12.1#
130 2.2 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129797.D
Acq: 15 Aug 2022 23:55

Tgt Ion: 136 Resp: 619433
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 7.8 6.2 9.2
68 5.3 4.2 6.4





#23

Nitrobenzene-d5

Concen: 55.195 ng

RT: 7.387 min Scan# 867

Delta R.T. -0.012 min

Lab File: BF129797.D

Acq: 15 Aug 2022 23:55

Instrument :

BNA_F

ClientSampleId :

SS-1

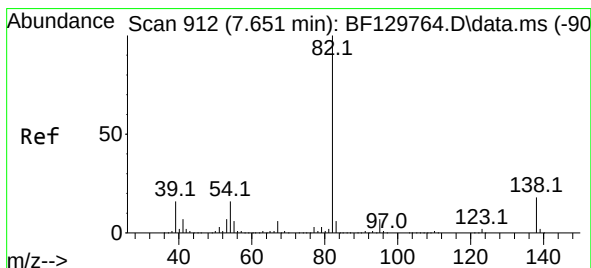
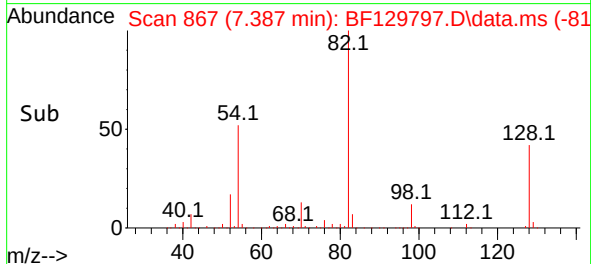
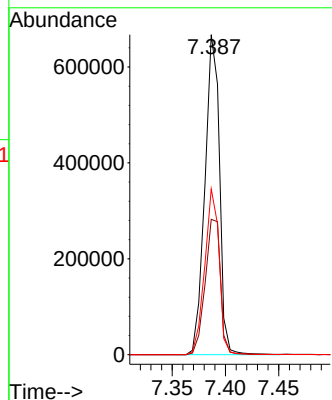
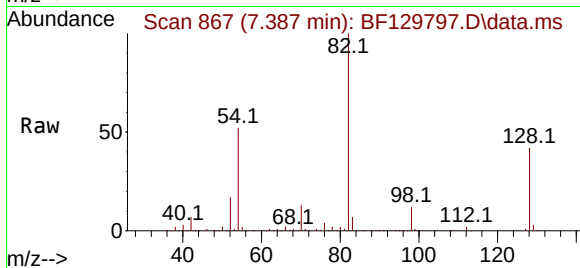
Tgt Ion: 82 Resp: 638673

Ion Ratio Lower Upper

82 100

128 42.3 36.1 54.1

54 51.8 40.0 60.0



#25

Isophorone

Concen: 32.068 ng

RT: 7.387 min Scan# 867

Delta R.T. -0.265 min

Lab File: BF129797.D

Acq: 15 Aug 2022 23:55

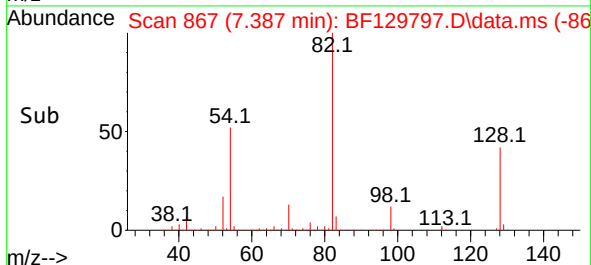
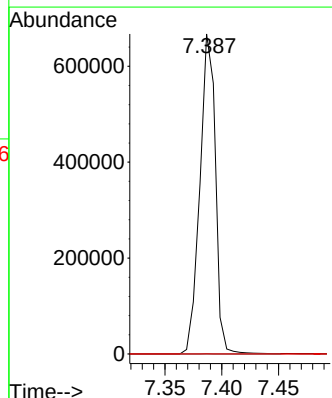
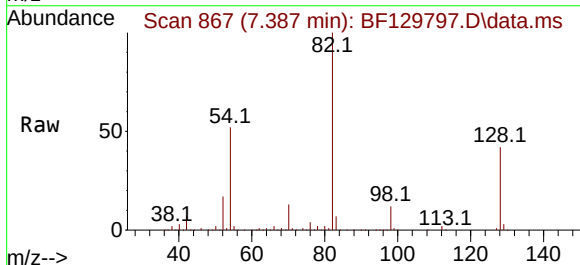
Tgt Ion: 82 Resp: 638665

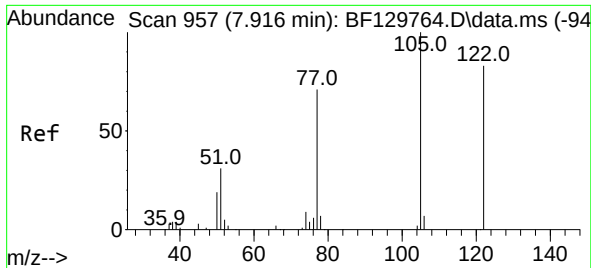
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 14.6 21.8#

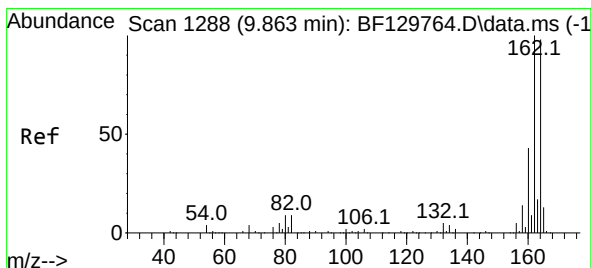
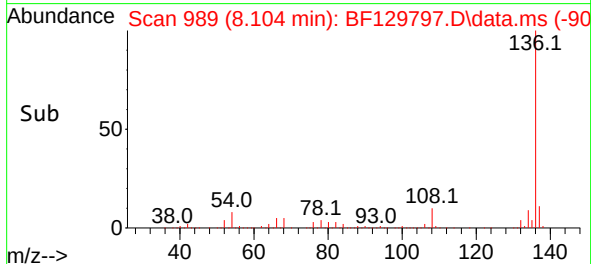
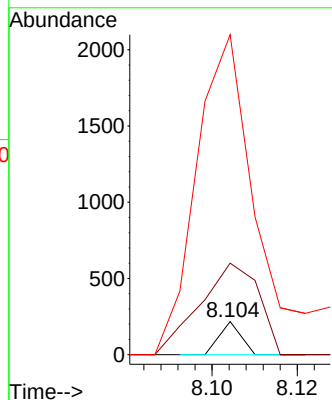
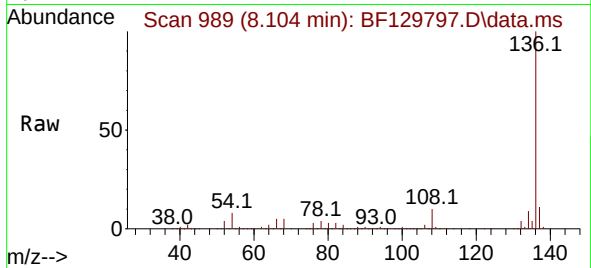




#32
Benzoic acid
Concen: 2.176 ng
RT: 8.104 min Scan# 91
Delta R.T. 0.188 min
Lab File: BF129797.D
Acq: 15 Aug 2022 23:55

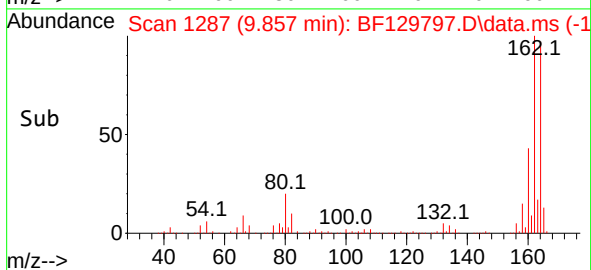
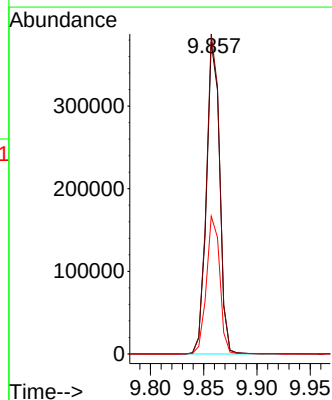
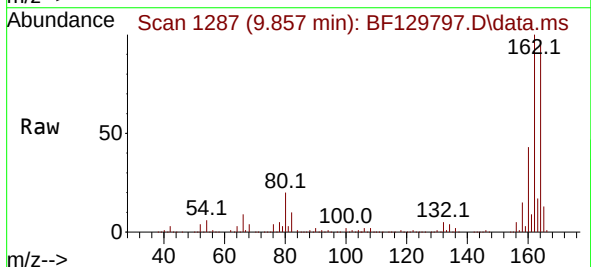
Instrument :
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ClientSampleId :
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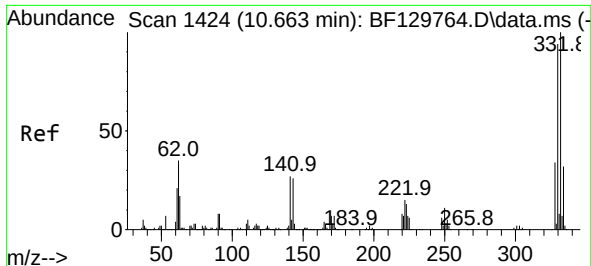
Tgt Ion:	122	Resp:	77
Ion	Ratio	Lower	Upper
122	100		
105	276.5	99.9	139.9#
77	967.3	65.9	105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF129797.D
Acq: 15 Aug 2022 23:55

Tgt Ion:	164	Resp:	327072
Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.0	123.0
160	44.2	35.4	53.0





#42

2,4,6-Tribromophenol

Concen: 79.023 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF129797.D

Acq: 15 Aug 2022 23:55

Instrument :

BNA_F

ClientSampleId :

SS-1

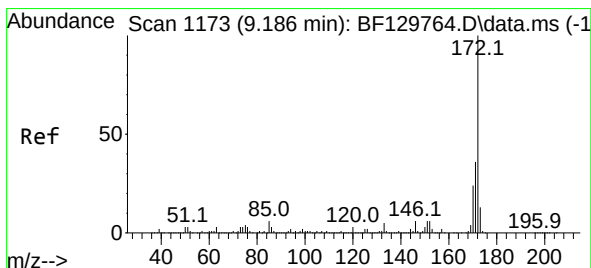
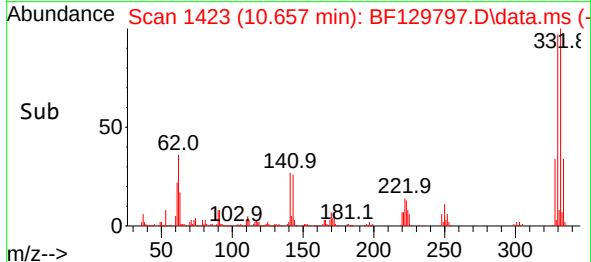
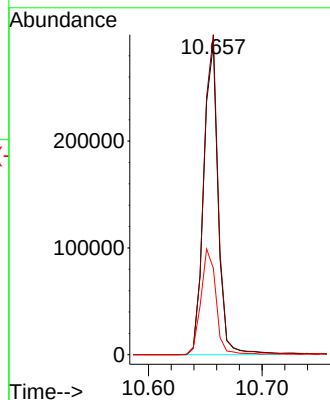
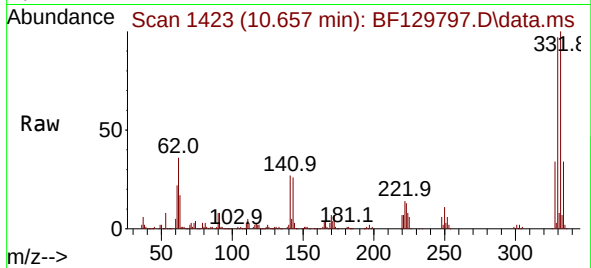
Tgt Ion:330 Resp: 259406

Ion Ratio Lower Upper

330 100

332 104.0 82.6 124.0

141 35.7 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 58.143 ng

RT: 9.181 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF129797.D

Acq: 15 Aug 2022 23:55

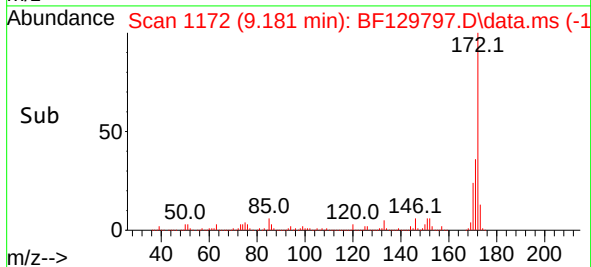
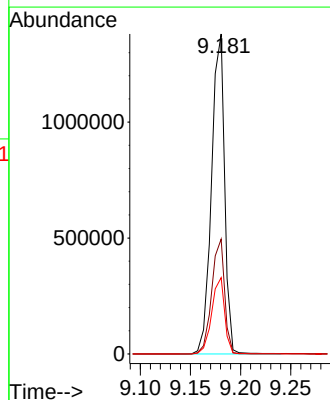
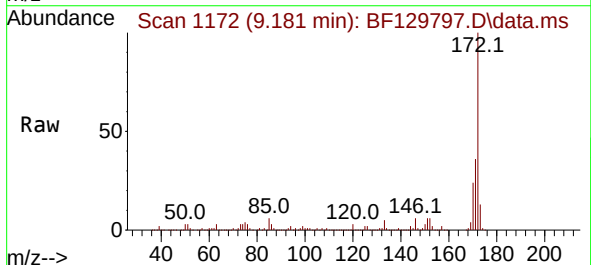
Tgt Ion:172 Resp: 1252095

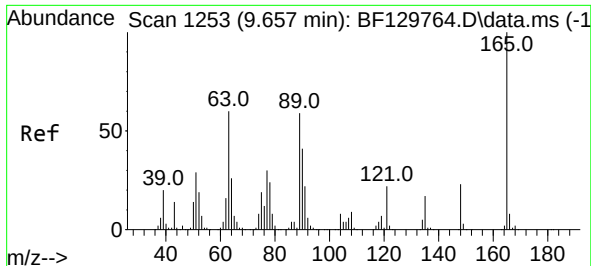
Ion Ratio Lower Upper

172 100

171 35.9 28.4 42.6

170 23.8 19.1 28.7

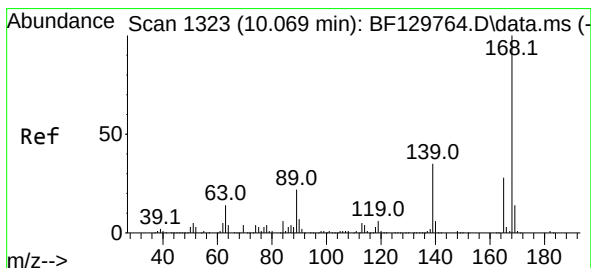
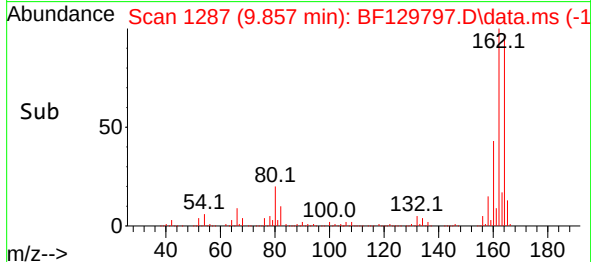
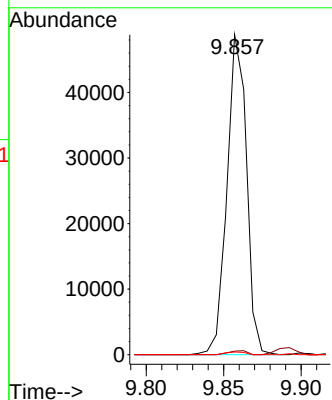
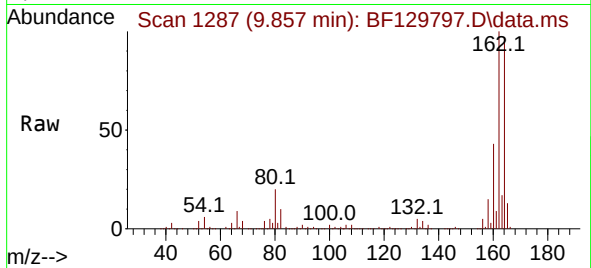




#51
2,6-Dinitrotoluene
Concen: 8.418 ng
RT: 9.857 min Scan# 1287
Delta R.T. 0.200 min
Lab File: BF129797.D
Acq: 15 Aug 2022 23:55

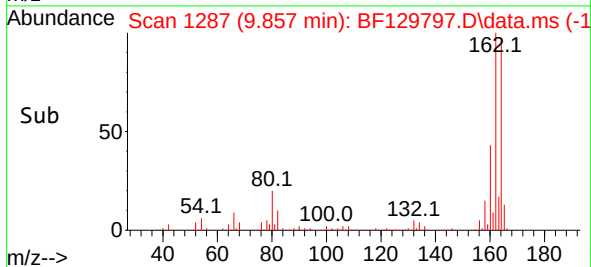
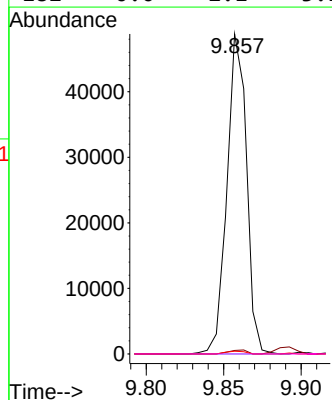
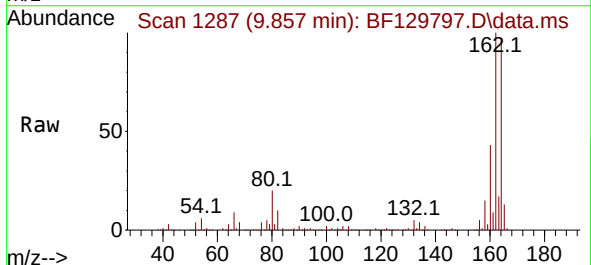
Instrument :
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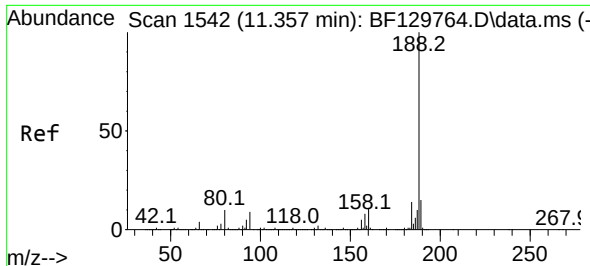
Tgt Ion:165 Resp: 42817
Ion Ratio Lower Upper
165 100
63 1.1 47.8 71.8#
89 0.9 47.2 70.8#



#57
2,4-Dinitrotoluene
Concen: 6.485 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.212 min
Lab File: BF129797.D
Acq: 15 Aug 2022 23:55

Tgt Ion:165 Resp: 42817
Ion Ratio Lower Upper
165 100
63 1.1 48.4 72.6#
89 0.9 62.3 93.5#
182 0.0 2.1 3.1#

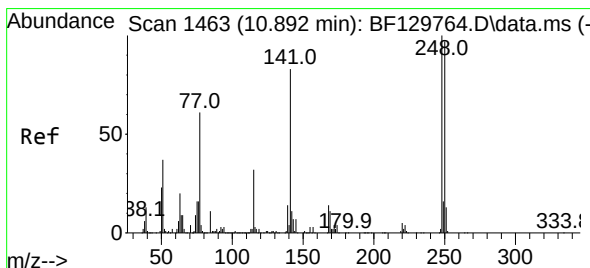
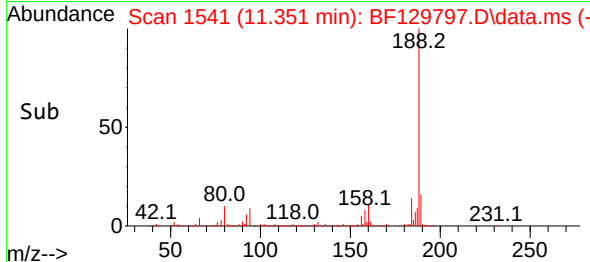
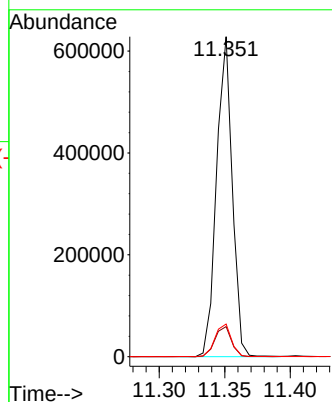
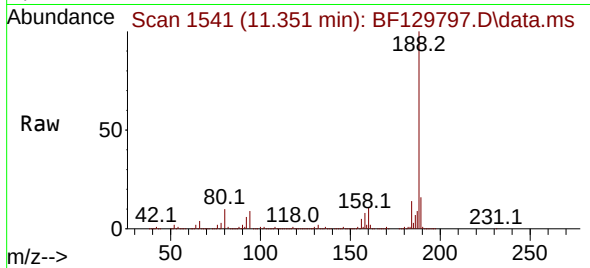




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129797.D
Acq: 15 Aug 2022 23:55

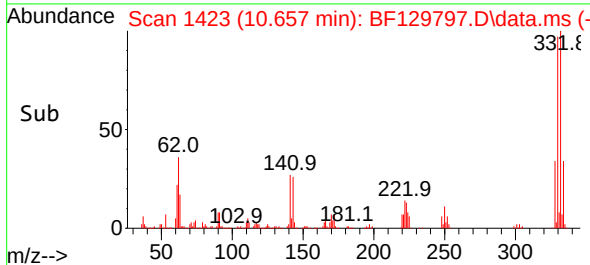
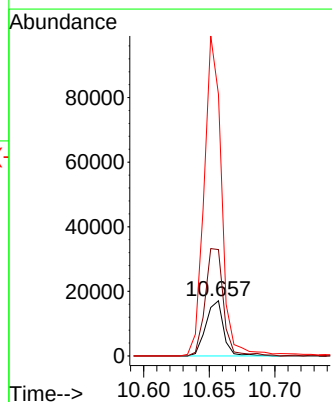
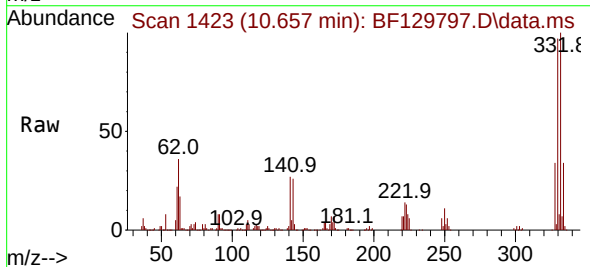
Instrument :
BNA_F
ClientSampleId :
SS-1

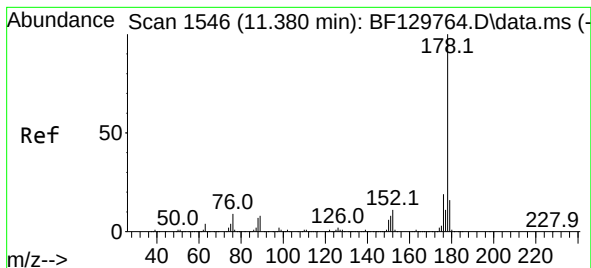
Tgt Ion:188 Resp: 522438
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 10.2 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 2.632 ng
RT: 10.657 min Scan# 1423
Delta R.T. -0.235 min
Lab File: BF129797.D
Acq: 15 Aug 2022 23:55

Tgt Ion:248 Resp: 16103
Ion Ratio Lower Upper
248 100
250 192.6 77.8 116.6#
141 473.9 66.2 99.2#





#71

Phenanthrene

Concen: 6.320 ng

RT: 11.375 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129797.D

Acq: 15 Aug 2022 23:55

Instrument :

BNA_F

ClientSampleId :

SS-1

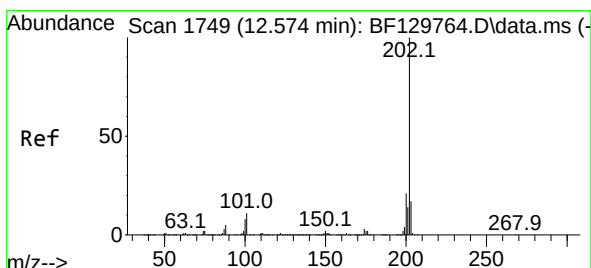
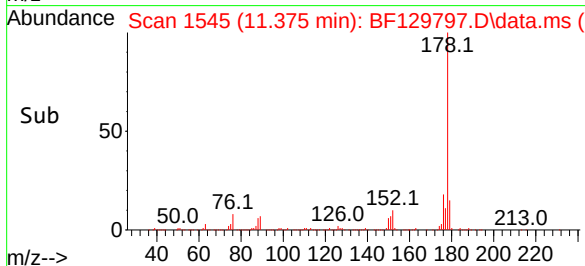
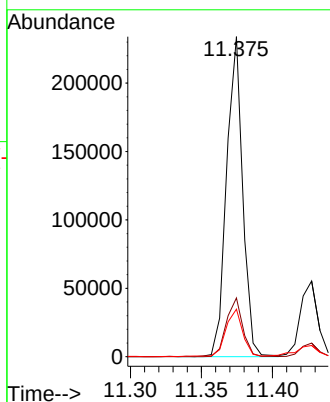
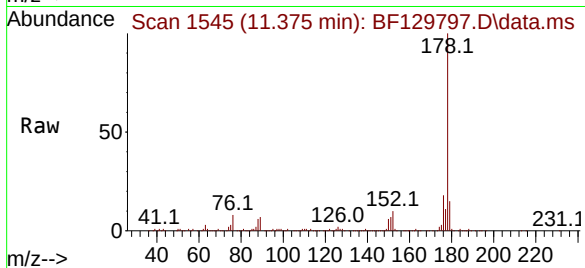
Tgt Ion:178 Resp: 184416

Ion Ratio Lower Upper

178 100

176 18.4 15.5 23.3

179 14.9 12.5 18.7



#75

Fluoranthene

Concen: 7.783 ng

RT: 12.569 min Scan# 1748

Delta R.T. -0.006 min

Lab File: BF129797.D

Acq: 15 Aug 2022 23:55

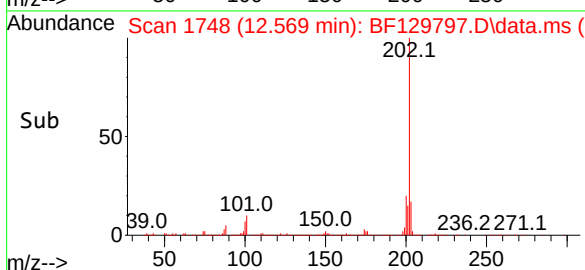
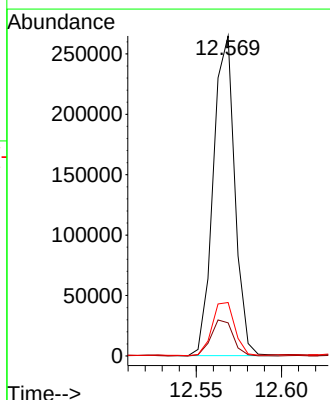
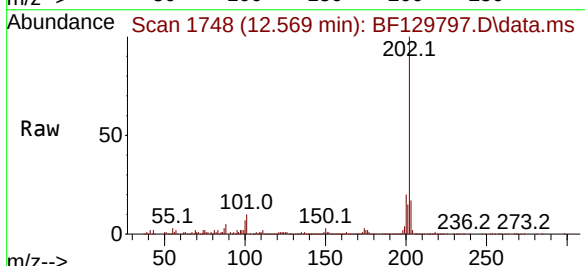
Tgt Ion:202 Resp: 232381

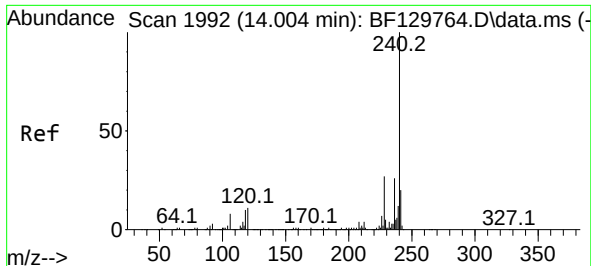
Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.7

203 16.7 0.0 37.5

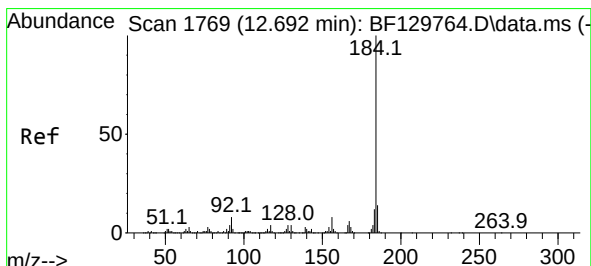
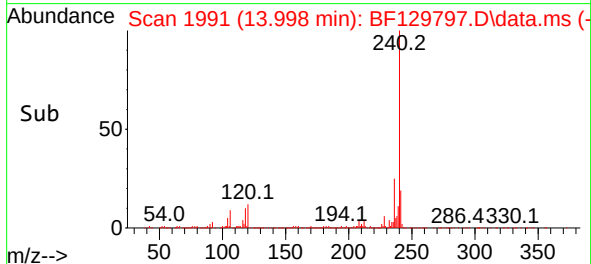
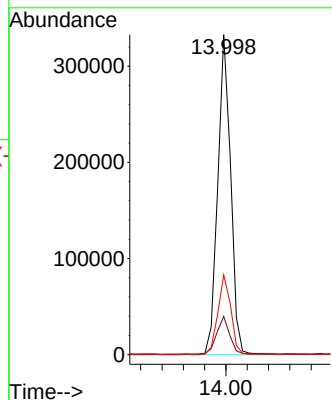
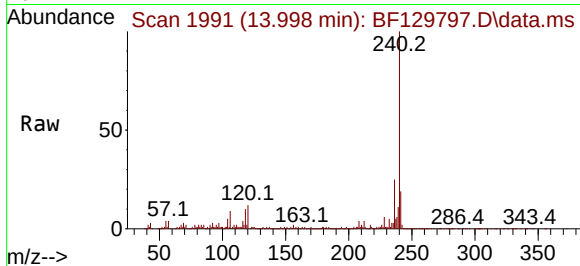




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BF129797.D
Acq: 15 Aug 2022 23:55

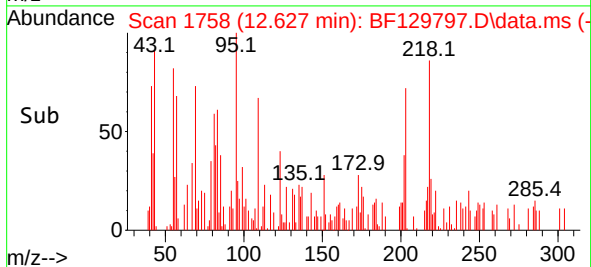
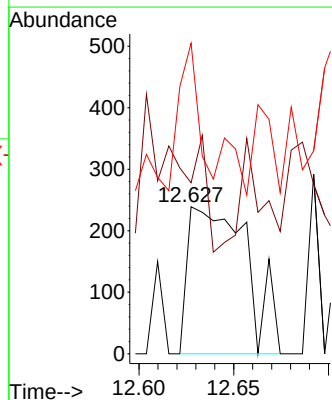
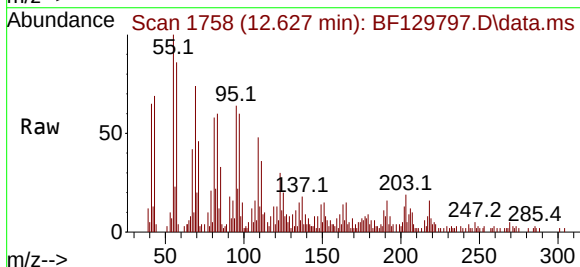
Instrument :
BNA_F
ClientSampleId :
SS-1

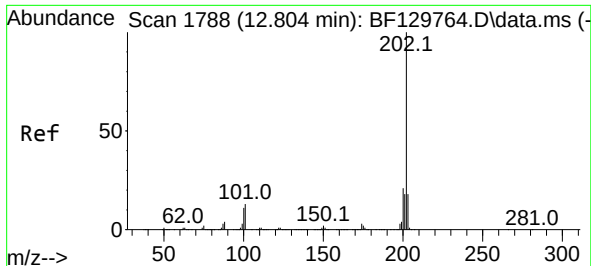
Tgt Ion:240 Resp: 278243
Ion Ratio Lower Upper
240 100
120 12.0 9.2 13.8
236 25.0 20.7 31.1



#77
Benzidine
Concen: Below Cal
RT: 12.627 min Scan# 1758
Delta R.T. -0.065 min
Lab File: BF129797.D
Acq: 15 Aug 2022 23:55

Tgt Ion:184 Resp: 518
Ion Ratio Lower Upper
184 100
185 116.3 11.4 17.2#
183 211.3 9.4 14.2#

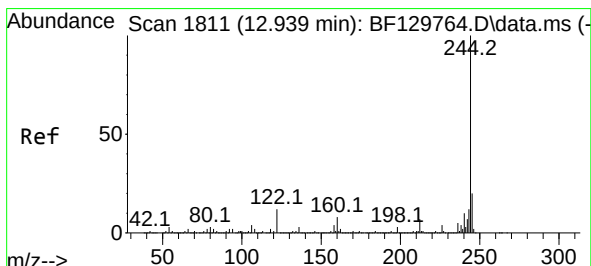
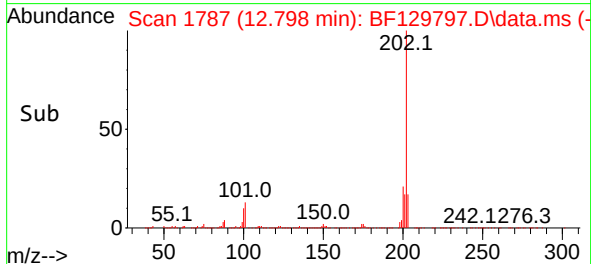
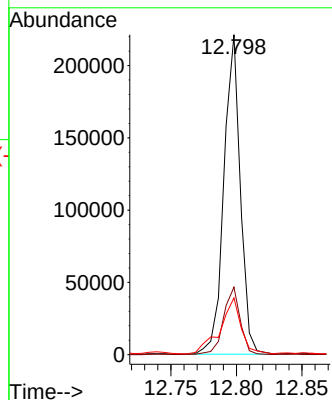
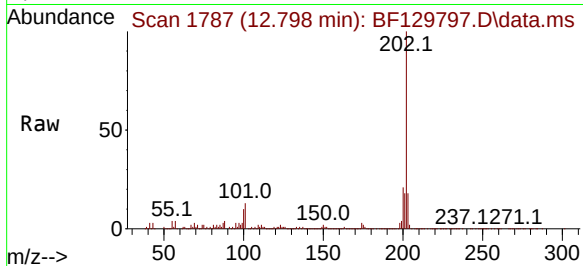




#78
Pyrene
Concen: 7.952 ng
RT: 12.798 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129797.D
Acq: 15 Aug 2022 23:55

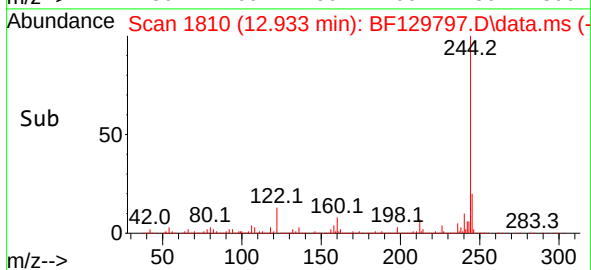
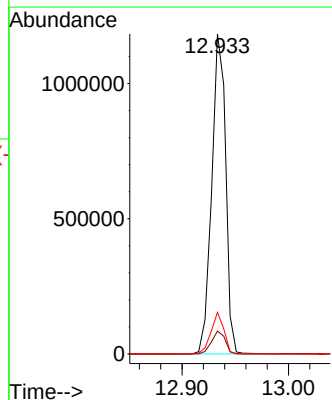
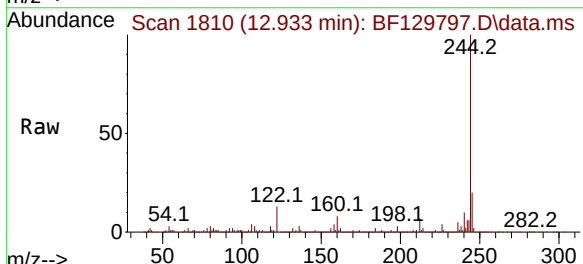
Instrument :
BNA_F
ClientSampleId :
SS-1

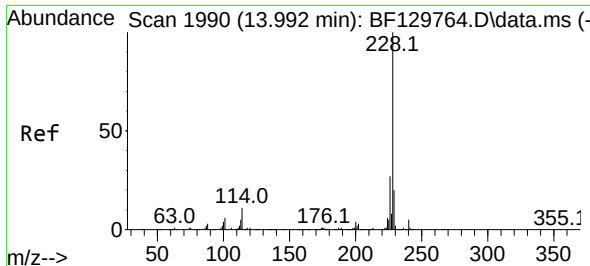
Tgt Ion:202 Resp: 192282
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.6
203 17.7 14.1 21.1



#79
Terphenyl-d14
Concen: 64.184 ng
RT: 12.933 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF129797.D
Acq: 15 Aug 2022 23:55

Tgt Ion:244 Resp: 1073280
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 13.0 9.9 14.9

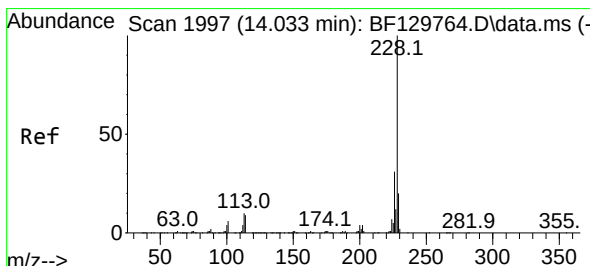
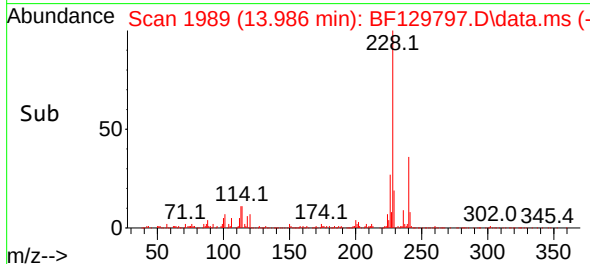
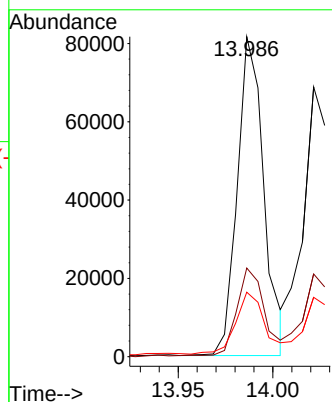
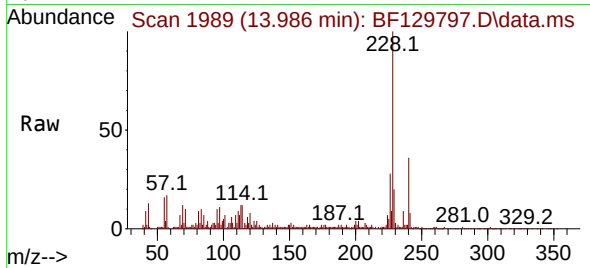




#81
Benzo(a)anthracene
Concen: 4.142 ng
RT: 13.986 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF129797.D
Acq: 15 Aug 2022 23:55

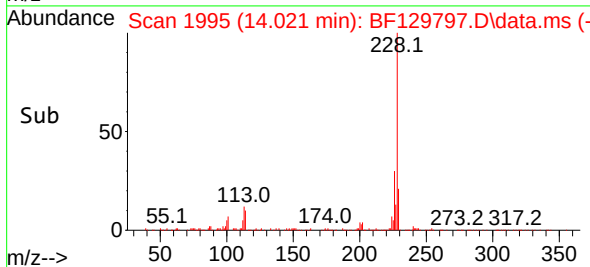
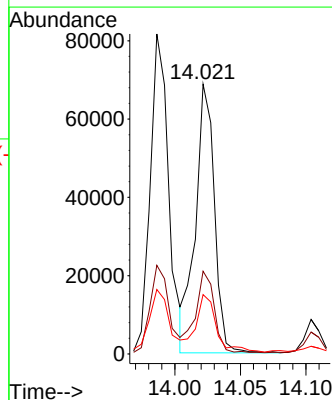
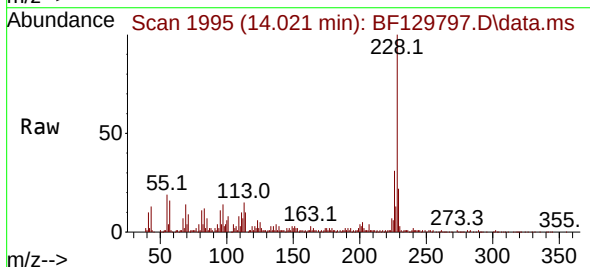
Instrument :
BNA_F
ClientSampleId :
SS-1

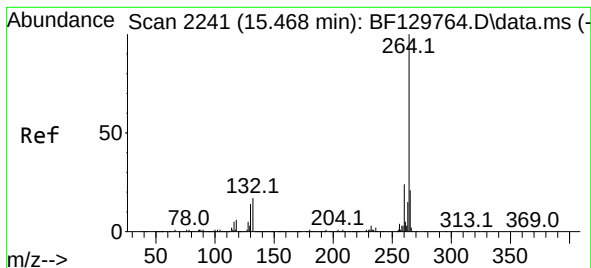
Tgt Ion:228 Resp: 79281
Ion Ratio Lower Upper
228 100
226 27.7 21.4 32.0
229 20.1 16.1 24.1



#83
Chrysene
Concen: 3.860 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.012 min
Lab File: BF129797.D
Acq: 15 Aug 2022 23:55

Tgt Ion:228 Resp: 69160
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 22.0 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF129797.D

Acq: 15 Aug 2022 23:55

Instrument :

BNA_F

ClientSampleId :

SS-1

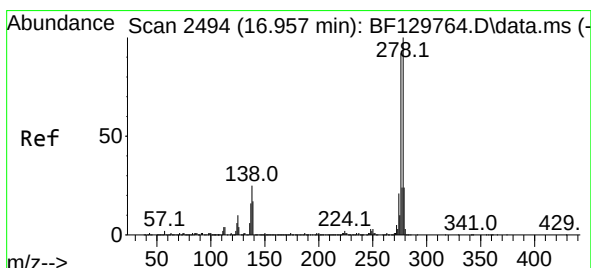
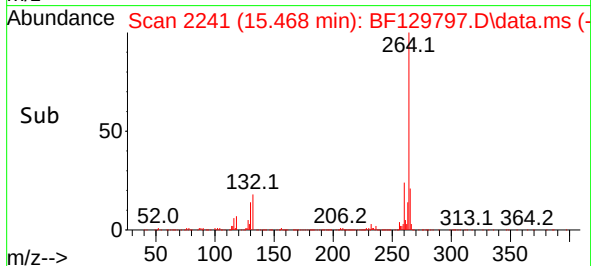
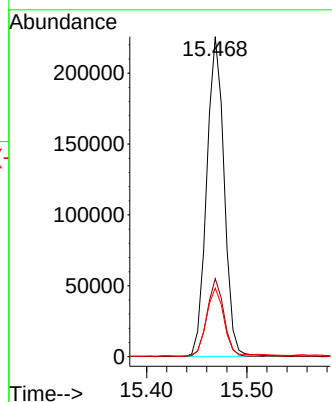
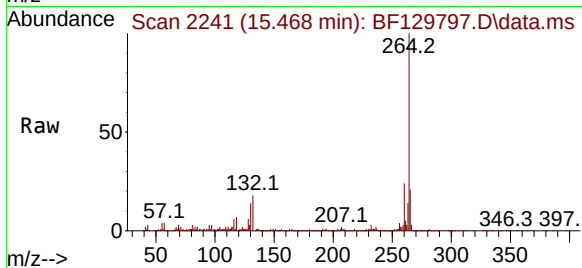
Tgt Ion:264 Resp: 273160

Ion Ratio Lower Upper

264 100

260 24.4 19.1 28.7

265 21.4 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.565 ng

RT: 16.945 min Scan# 2492

Delta R.T. -0.012 min

Lab File: BF129797.D

Acq: 15 Aug 2022 23:55

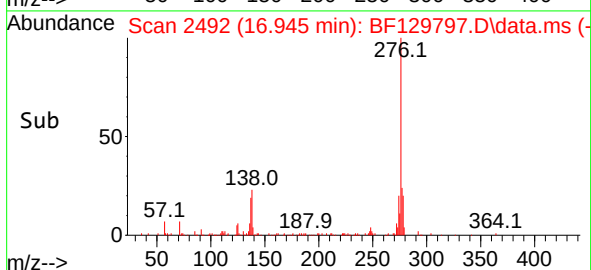
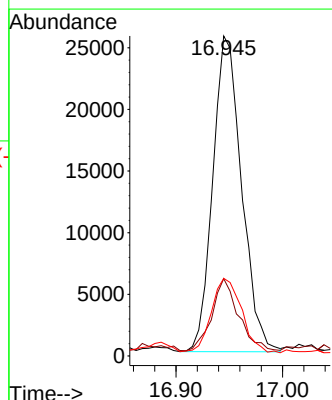
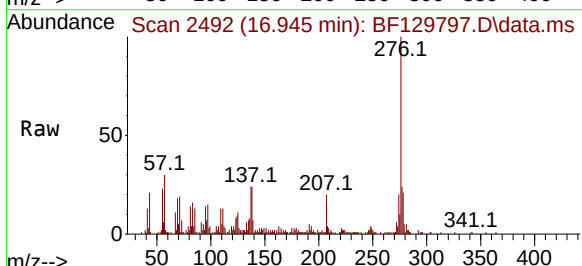
Tgt Ion:276 Resp: 48094

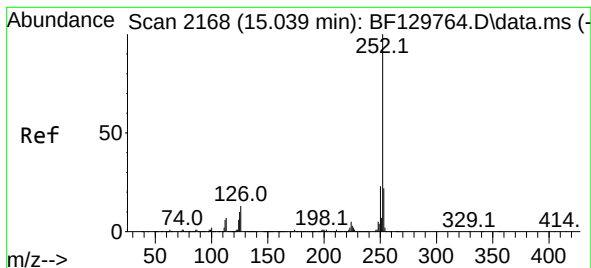
Ion Ratio Lower Upper

276 100

138 20.9 19.8 29.8

277 24.7 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 6.348 ng

RT: 15.039 min Scan# 2168

Delta R.T. 0.000 min

Lab File: BF129797.D

Acq: 15 Aug 2022 23:55

Instrument :

BNA_F

ClientSampleId :

SS-1

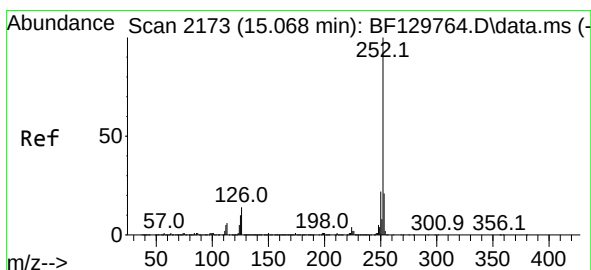
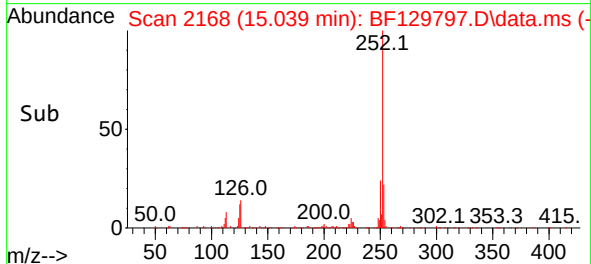
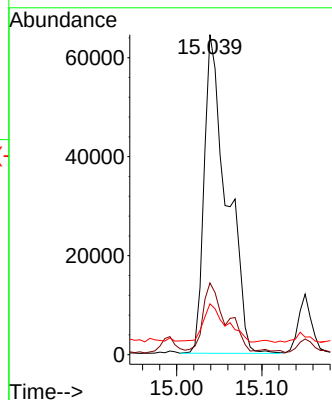
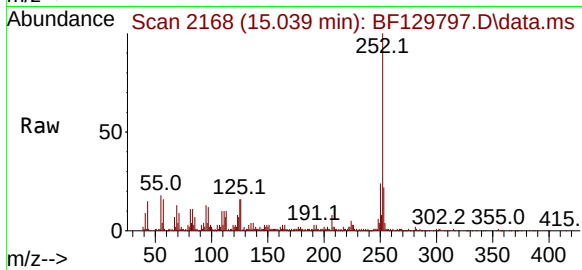
Tgt Ion:252 Resp: 118745

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 15.9 8.3 12.5#



#89

Benzo(k)fluoranthene

Concen: 6.620 ng

RT: 15.039 min Scan# 2168

Delta R.T. -0.029 min

Lab File: BF129797.D

Acq: 15 Aug 2022 23:55

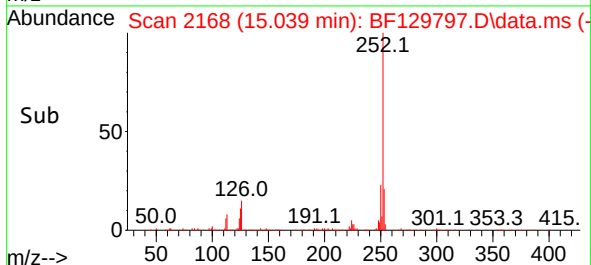
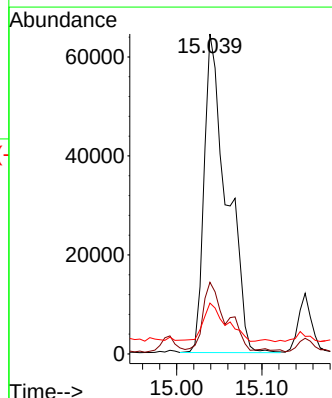
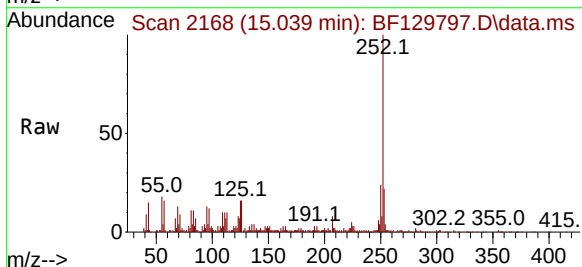
Tgt Ion:252 Resp: 118745

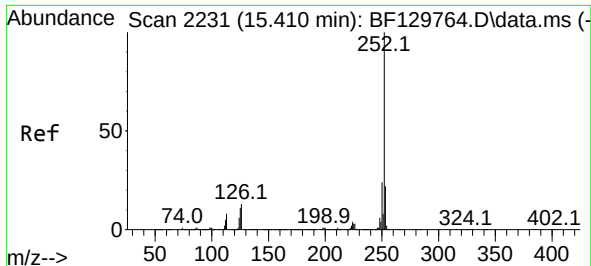
Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

125 15.9 8.3 12.5#

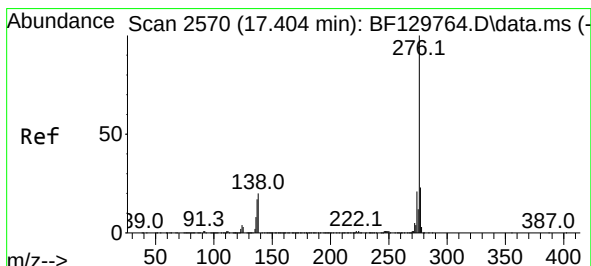
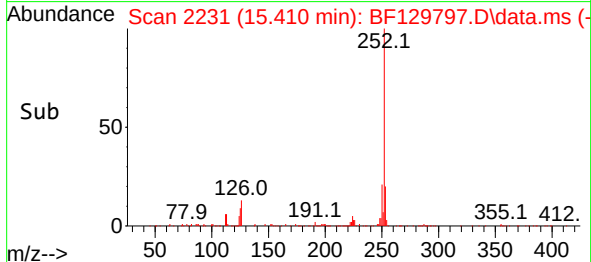
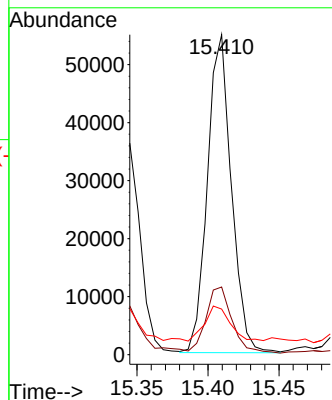
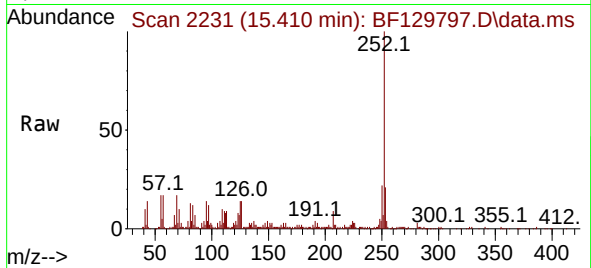




#90
Benzo(a)pyrene
Concen: 4.376 ng
RT: 15.410 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF129797.D
Acq: 15 Aug 2022 23:55

Instrument :
BNA_F
ClientSampleId :
SS-1

Tgt Ion:252 Resp: 64454
Ion Ratio Lower Upper
252 100
253 21.1 17.2 25.8
125 14.2 8.8 13.2#



#92
Benzo(g,h,i)perylene
Concen: 2.986 ng
RT: 17.398 min Scan# 2569
Delta R.T. -0.006 min
Lab File: BF129797.D
Acq: 15 Aug 2022 23:55

Tgt Ion:276 Resp: 46092
Ion Ratio Lower Upper
276 100
277 25.5 18.2 27.4
138 23.9 15.8 23.8#

