

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
 Data File : BF129097.D
 Acq On : 01 Jul 2022 17:56
 Operator : CG\JU
 Sample : N3562-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-11B

Quant Time: Jul 02 01:26:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 29 17:05:31 2022
 Response via : Initial Calibration

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

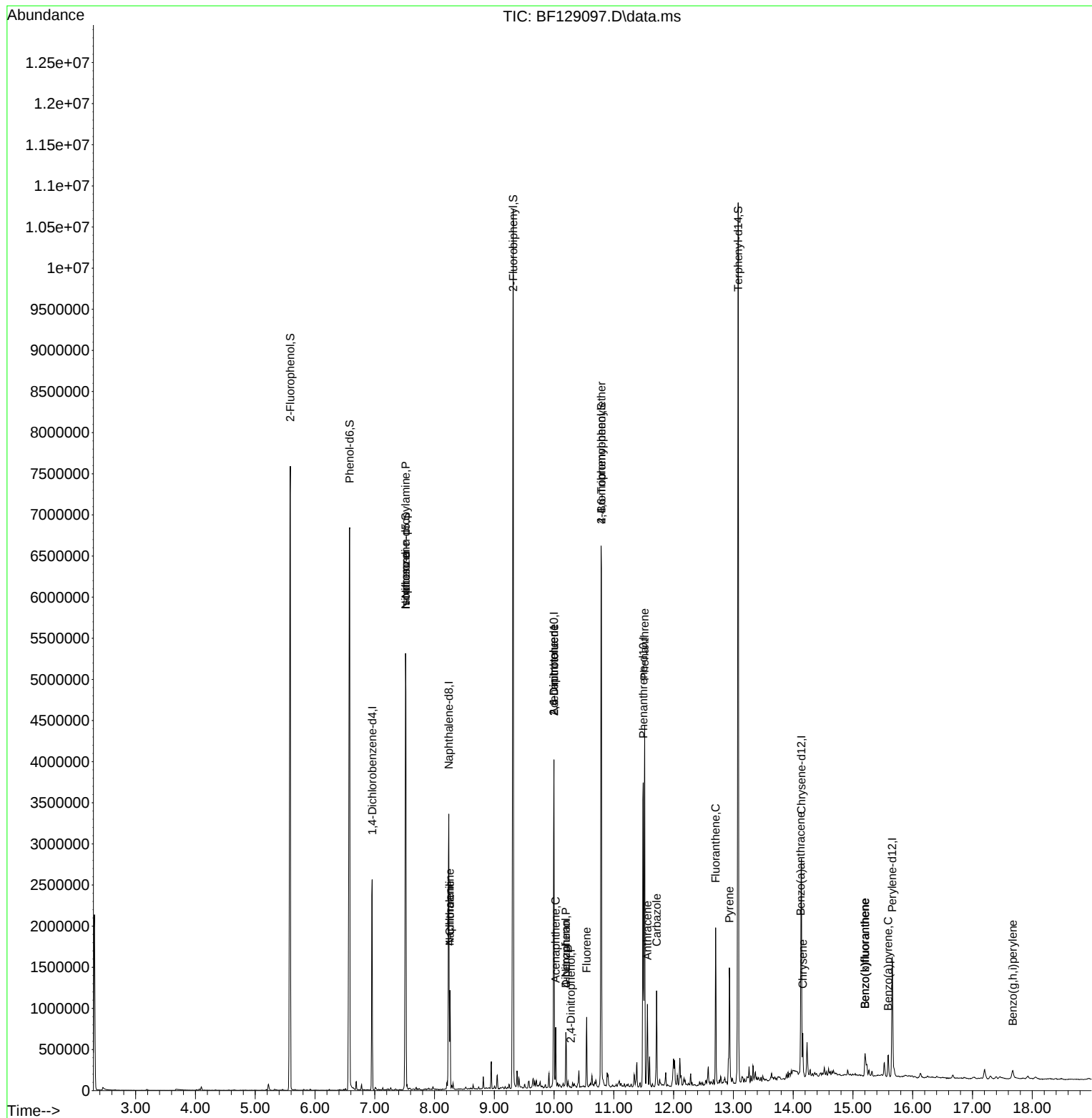
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	389774	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	1509272	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	792976	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	1432301	20.000	ng	0.00
76) Chrysene-d12	14.139	240	889651	20.000	ng	-0.01
86) Perylene-d12	15.656	264	687951	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	2451116	106.316	ng	0.00
7) Phenol-d6	6.581	99	3078608	107.518	ng	0.00
23) Nitrobenzene-d5	7.516	82	1955314	77.274	ng	-0.01
42) 2,4,6-Tribromophenol	10.792	330	938495	108.843	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	3485126	70.311	ng	0.00
79) Terphenyl-d14	13.080	244	3714480	86.704	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.510	77	867	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.516	70	259483	15.666	ng	# 72
25) Isophorone	7.516	82	1896151	44.340	ng	# 65
31) Naphthalene	8.257	128	482763	7.046	ng	# 99
33) 4-Chloroaniline	8.257	127	62365	2.259	ng	# 28
51) 2,6-Dinitrotoluene	9.998	165	107706	10.625	ng	# 25
52) Acenaphthene	10.027	154	140493	3.224	ng	# 98
54) 2,4-Dinitrophenol	10.280	184	222	6.903	ng	# 13
55) Dibenzofuran	10.198	168	247665	3.903	ng	# 97
56) 4-Nitrophenol	10.198	139	90963	9.209	ng	# 9
57) 2,4-Dinitrotoluene	9.998	165	107706	8.606	ng	# 21
58) Fluorene	10.545	166	221006	4.503	ng	# 96
67) 4-Bromophenyl-phenylether	10.792	248	57151	3.751	ng	# 1
71) Phenanthrene	11.516	178	1505998	22.006	ng	# 100
72) Anthracene	11.563	178	334986	4.965	ng	# 98
73) Carbazole	11.716	167	414214	6.127	ng	# 97
75) Fluoranthene	12.704	202	701081	9.796	ng	# 99
78) Pyrene	12.933	202	575677	9.335	ng	# 98
81) Benzo(a)anthracene	14.127	228	208966	3.847	ng	# 99
83) Chrysene	14.162	228	190637	3.780	ng	# 98
88) Benzo(b)fluoranthene	15.204	252	222781	5.385	ng	# 98
89) Benzo(k)fluoranthene	15.204	252	222781	5.552	ng	# 98
90) Benzo(a)pyrene	15.592	252	137544	4.078	ng	# 97
92) Benzo(g,h,i)perylene	17.674	276	79022	2.290	ng	# 98

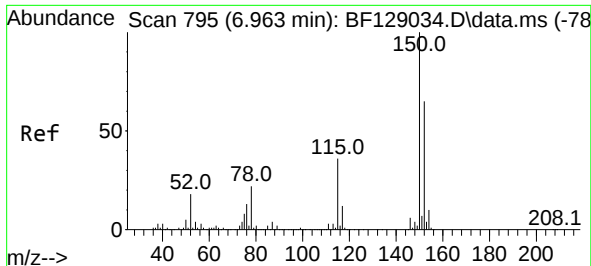
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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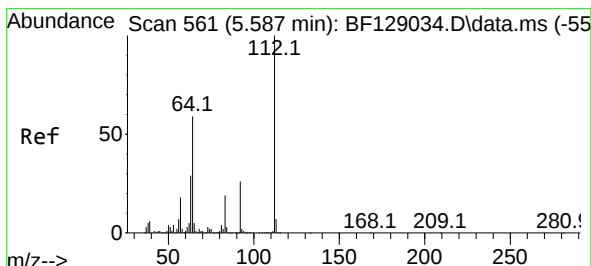
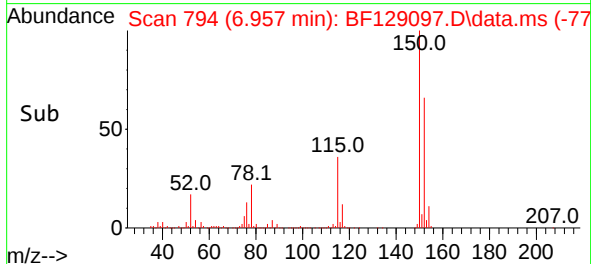
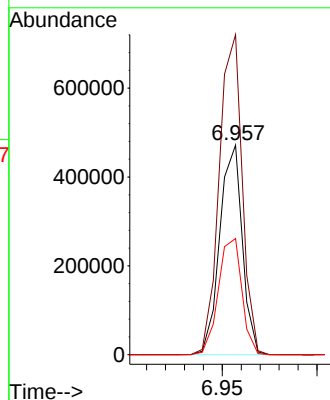
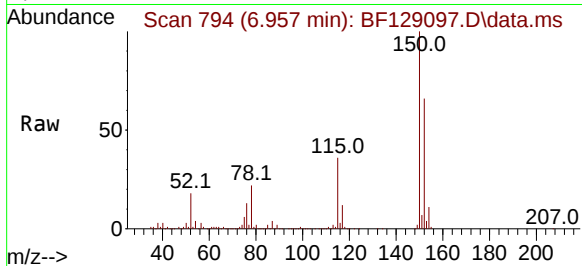




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

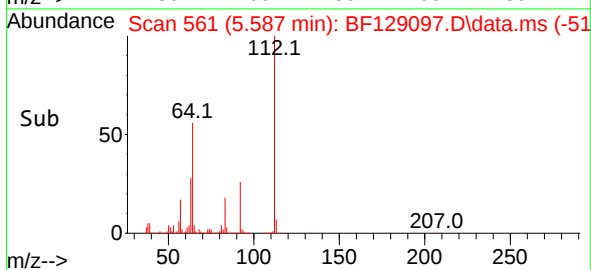
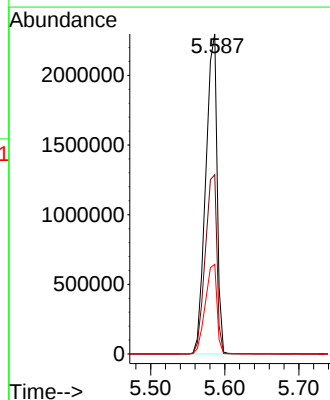
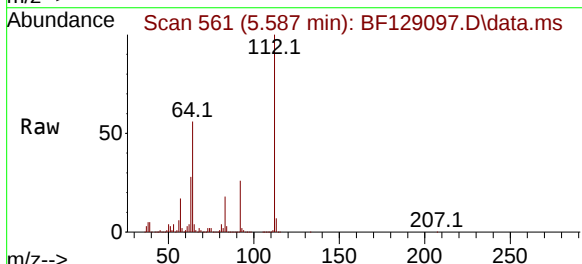
Instrument :
BNA_F
ClientSampleId :
SB-11B

Tgt Ion:152 Resp: 389774
Ion Ratio Lower Upper
152 100
150 152.7 123.7 185.5
115 55.5 49.9 74.9



#5
2-Fluorophenol
Concen: 106.316 ng
RT: 5.587 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

Tgt Ion:112 Resp: 2451116
Ion Ratio Lower Upper
112 100
64 56.0 53.3 79.9
63 28.0 28.0 42.0#





#7
Phenol-d6
Concen: 107.518 ng
RT: 6.581 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

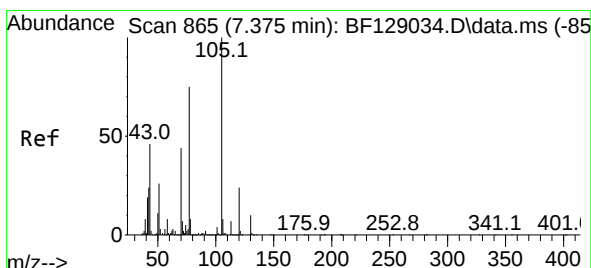
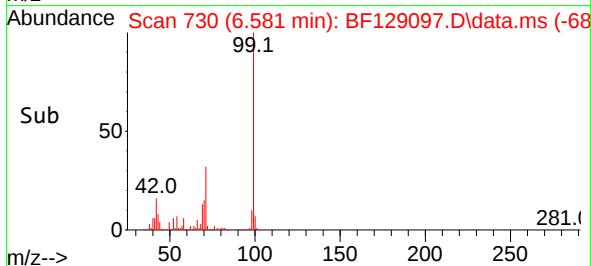
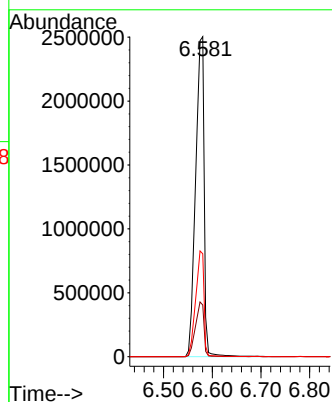
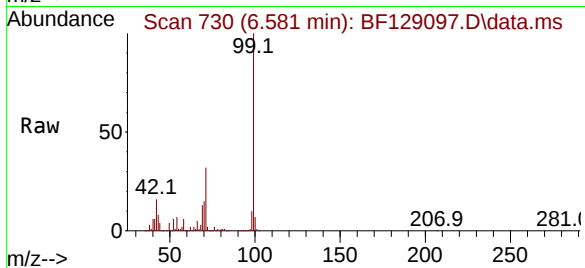
Instrument :

BNA_F

ClientSampleId :

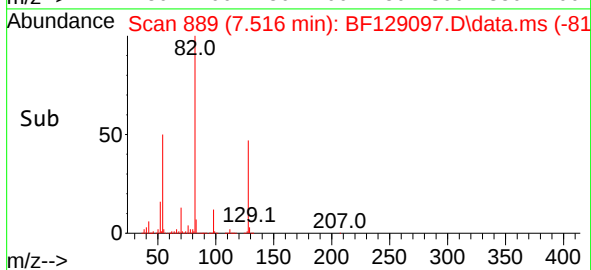
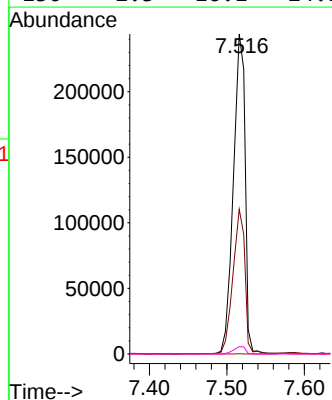
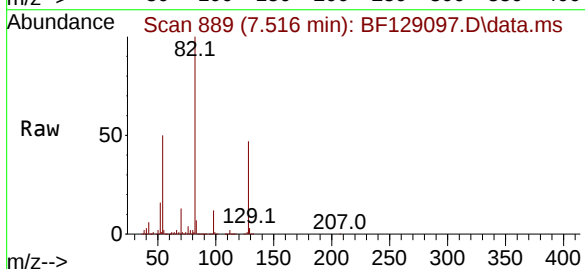
SB-11B

Tgt Ion: 99 Resp: 3078608
Ion Ratio Lower Upper
99 100
42 16.2 17.3 25.9#
71 32.1 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 15.666 ng
RT: 7.516 min Scan# 889
Delta R.T. 0.141 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

Tgt Ion: 70 Resp: 259483
Ion Ratio Lower Upper
70 100
42 45.2 52.3 78.5#
101 0.1 7.5 11.3#
130 2.3 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.239 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BF129097.D

Acq: 01 Jul 2022 17:56

Instrument :

BNA_F

ClientSampleId :

SB-11B

Tgt Ion:136 Resp: 1509272

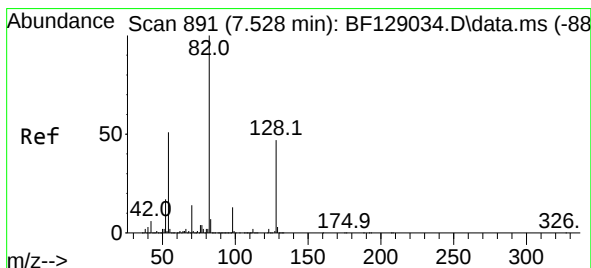
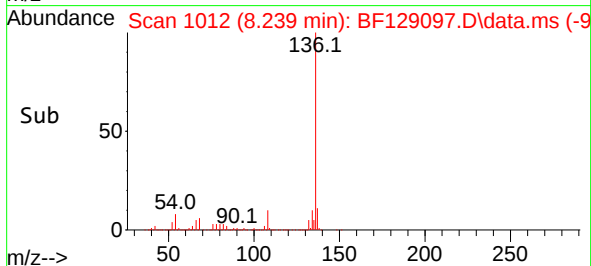
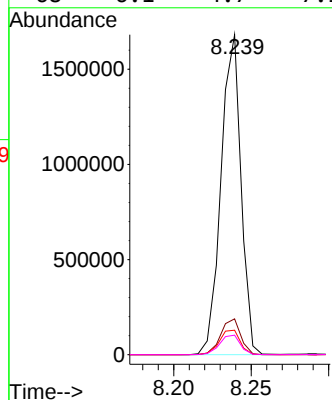
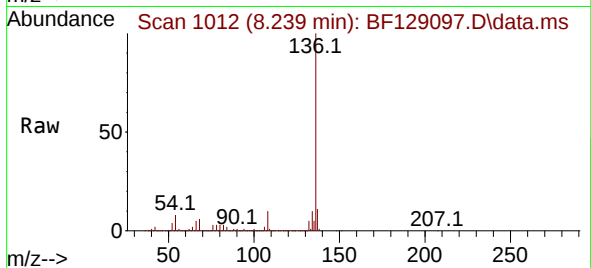
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 7.7 7.5 11.3

68 6.1 4.7 7.1



#23

Nitrobenzene-d5

Concen: 77.274 ng

RT: 7.516 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF129097.D

Acq: 01 Jul 2022 17:56

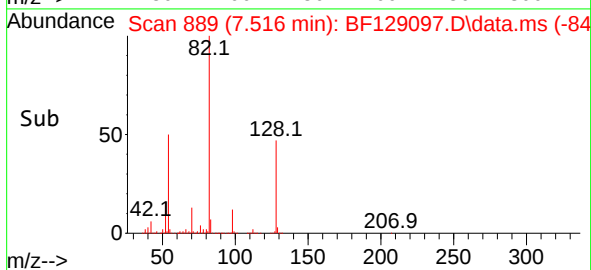
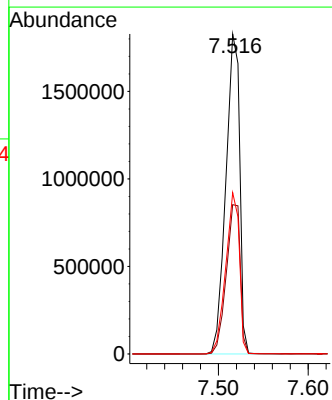
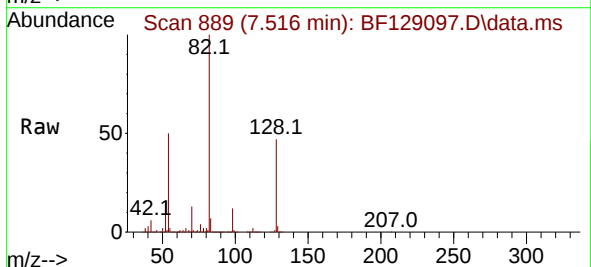
Tgt Ion: 82 Resp: 1955314

Ion Ratio Lower Upper

82 100

128 46.7 34.0 51.0

54 50.4 46.9 70.3

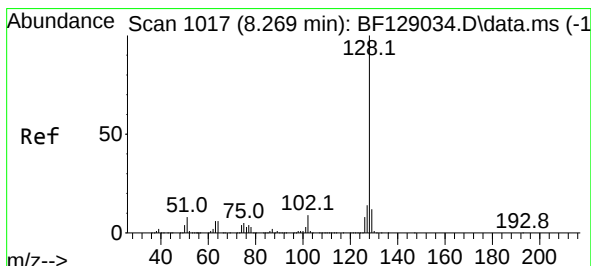
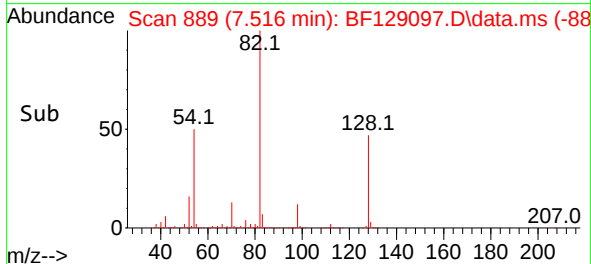
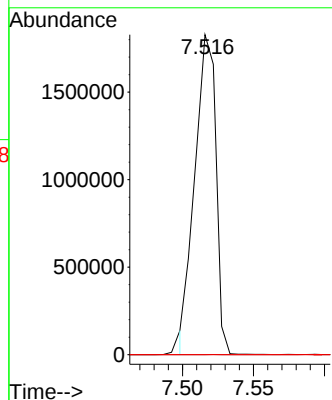
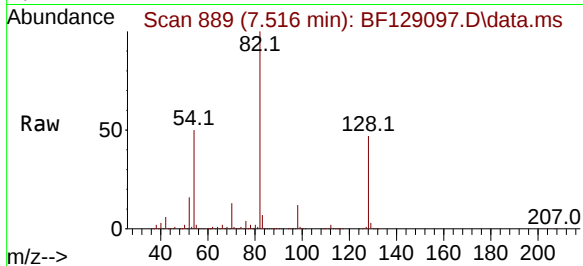




#25
Isophorone
Concen: 44.340 ng
RT: 7.516 min Scan# 81
Delta R.T. -0.277 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

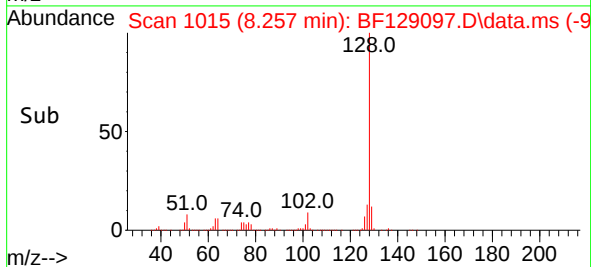
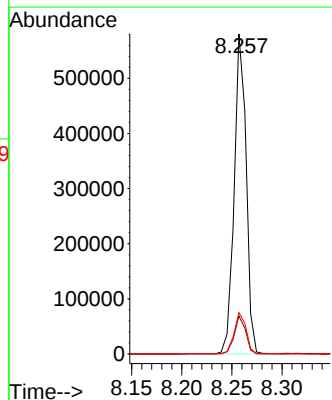
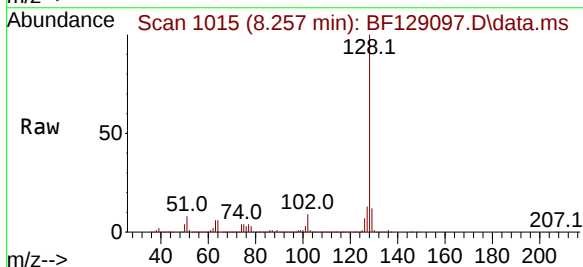
Instrument :
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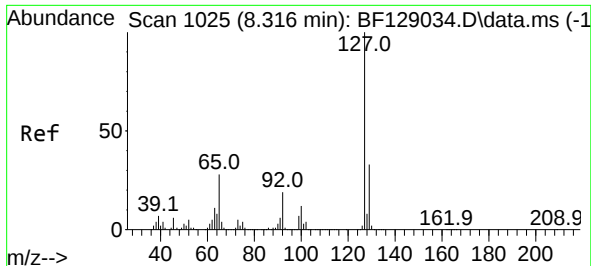
Tgt Ion: 82 Resp: 1896151
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 7.046 ng
RT: 8.257 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

Tgt Ion:128 Resp: 482763
Ion Ratio Lower Upper
128 100
129 11.8 9.2 13.8
127 12.9 10.5 15.7

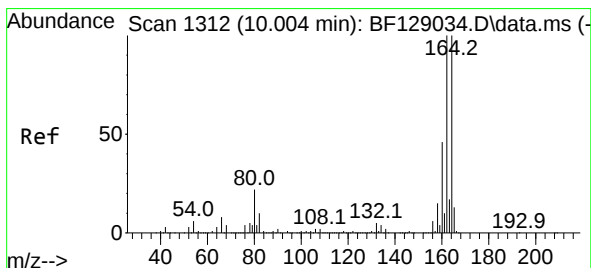
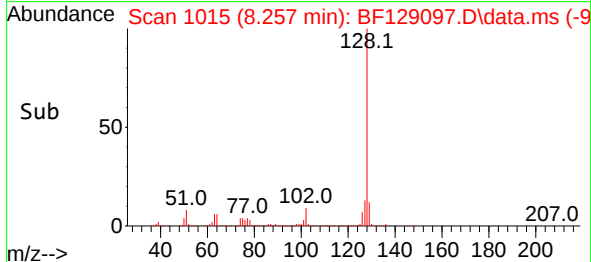
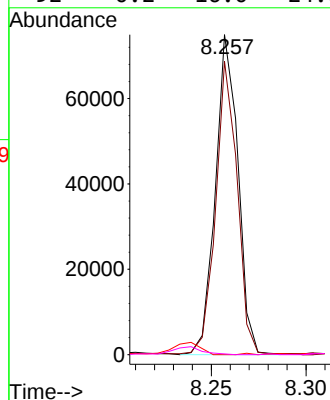
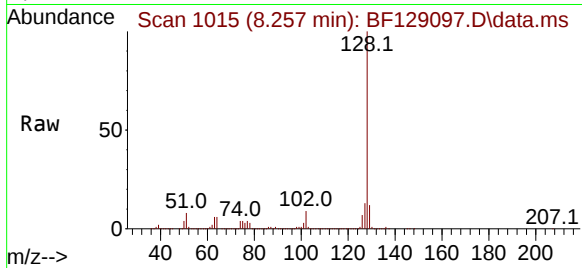




#33
4-Chloroaniline
Concen: 2.259 ng
RT: 8.257 min Scan# 1015
Delta R.T. -0.059 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

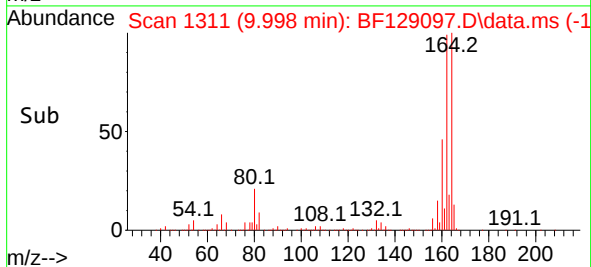
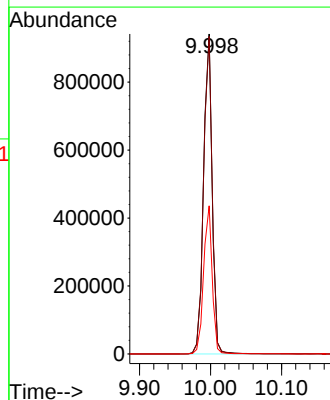
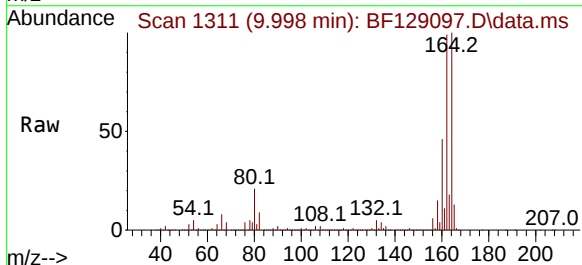
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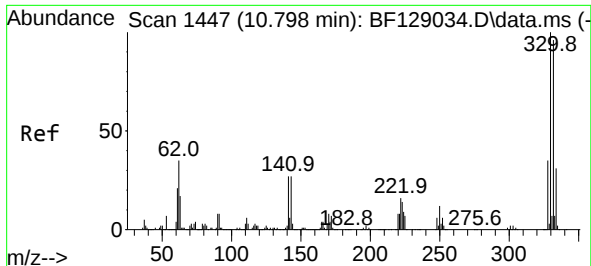
Tgt Ion:	127	Resp:	62365
Ion	Ratio	Lower	Upper
127	100		
129	91.7	26.4	39.6#
65	0.0	26.4	39.6#
92	0.2	16.0	24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

Tgt Ion:	164	Resp:	792976
Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.5	119.3
160	46.3	34.2	51.4





#42

2,4,6-Tribromophenol

Concen: 108.843 ng

RT: 10.792 min Scan# 1446

Delta R.T. -0.006 min

Lab File: BF129097.D

Acq: 01 Jul 2022 17:56

Instrument :

BNA_F

ClientSampleId :

SB-11B

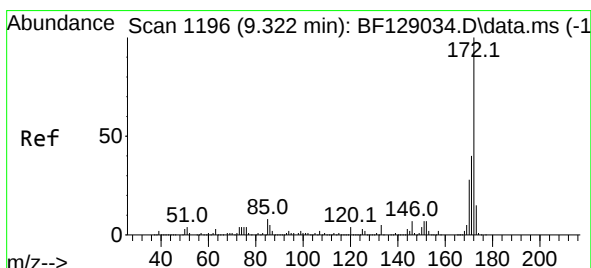
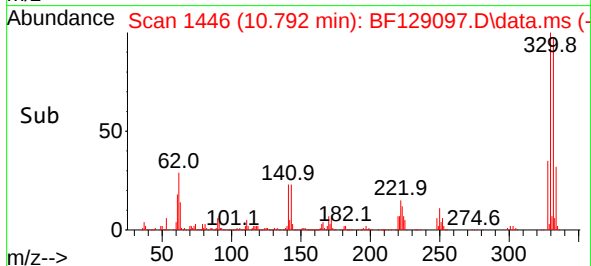
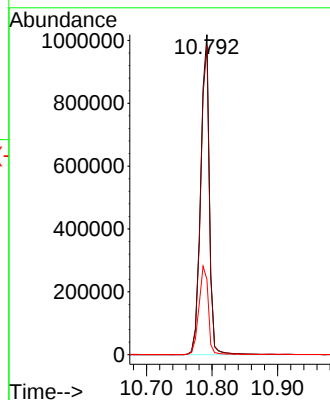
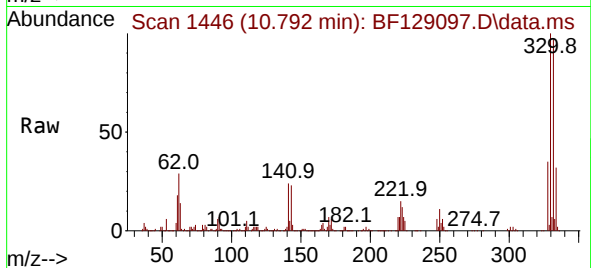
Tgt Ion:330 Resp: 938495

Ion Ratio Lower Upper

330 100

332 96.8 76.8 115.2

141 29.8 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 70.311 ng

RT: 9.316 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF129097.D

Acq: 01 Jul 2022 17:56

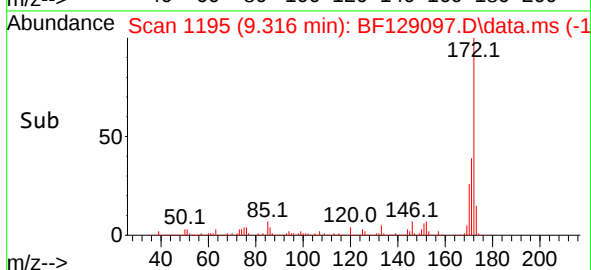
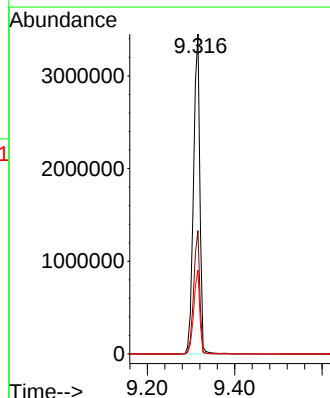
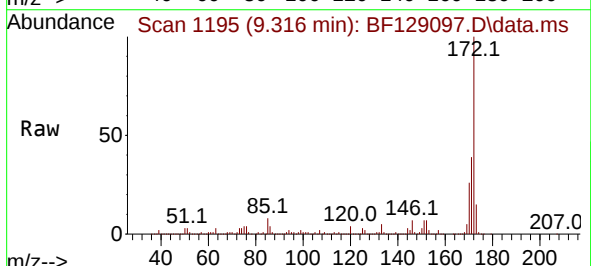
Tgt Ion:172 Resp: 3485126

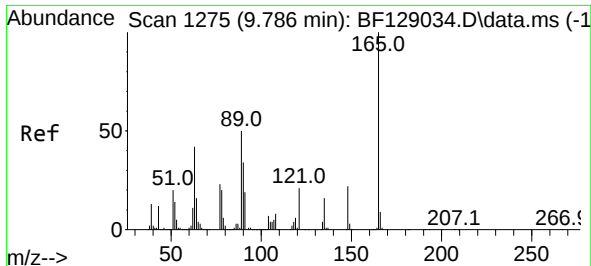
Ion Ratio Lower Upper

172 100

171 38.6 28.8 43.2

170 26.3 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 10.625 ng

RT: 9.998 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF129097.D

Acq: 01 Jul 2022 17:56

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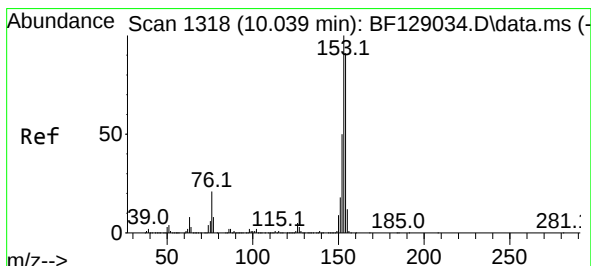
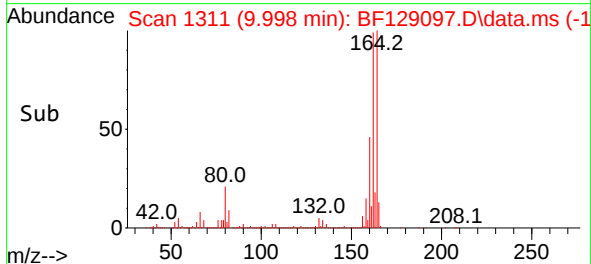
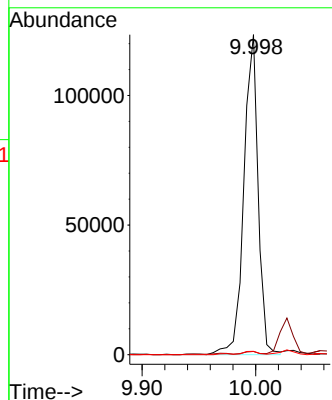
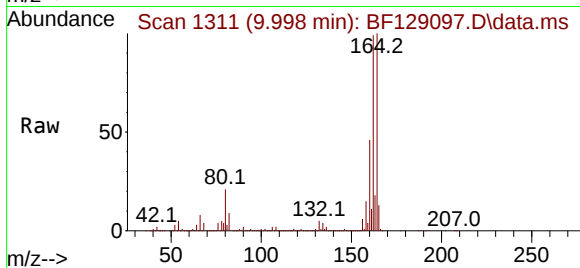
Tgt Ion:165 Resp: 107706

Ion Ratio Lower Upper

165 100

63 1.0 44.9 67.3#

89 1.1 43.6 65.4#



#52

Acenaphthene

Concen: 3.224 ng

RT: 10.027 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF129097.D

Acq: 01 Jul 2022 17:56

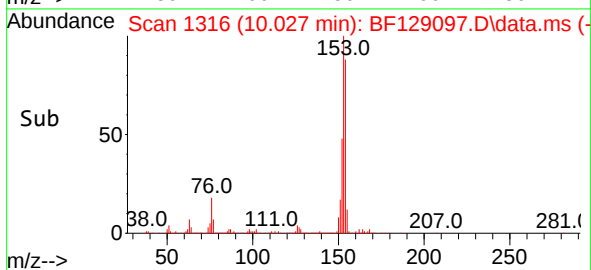
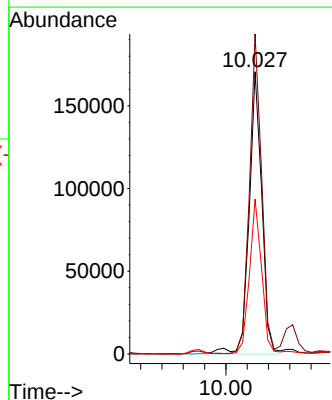
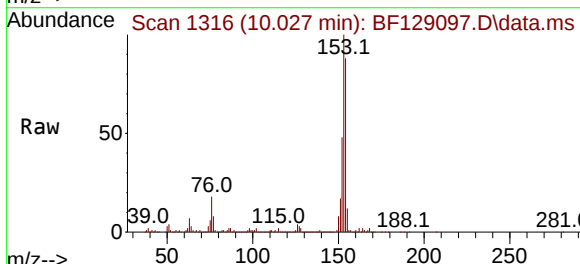
Tgt Ion:154 Resp: 140493

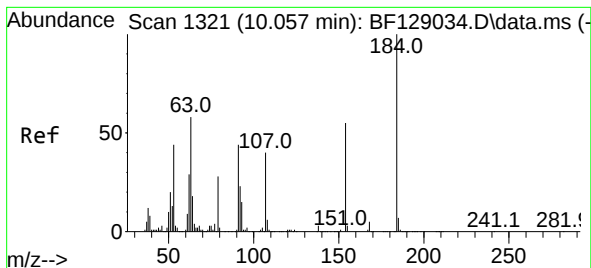
Ion Ratio Lower Upper

154 100

153 113.4 89.6 134.4

152 54.9 42.4 63.6

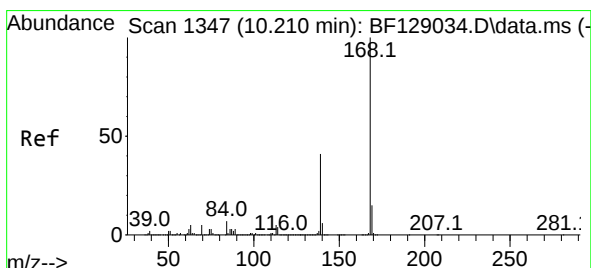
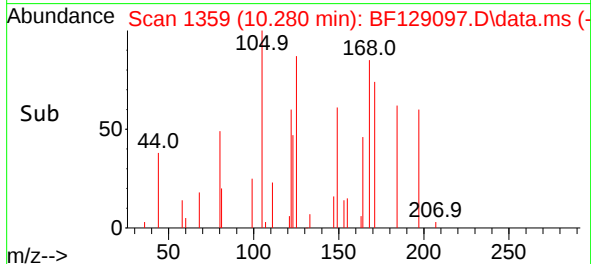
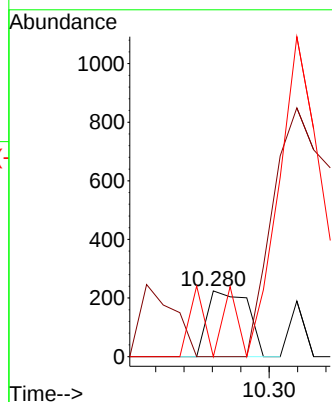
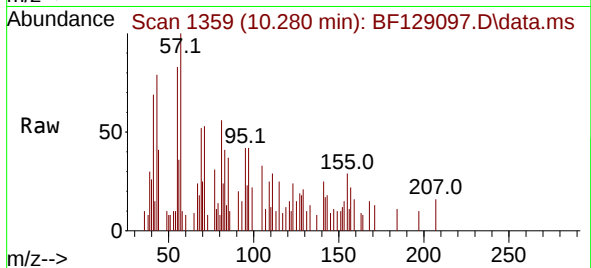




#54
2,4-Dinitrophenol
Concen: 6.903 ng
RT: 10.280 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

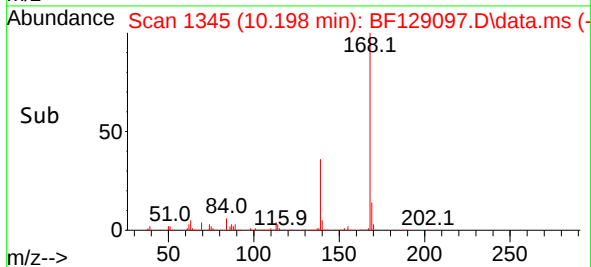
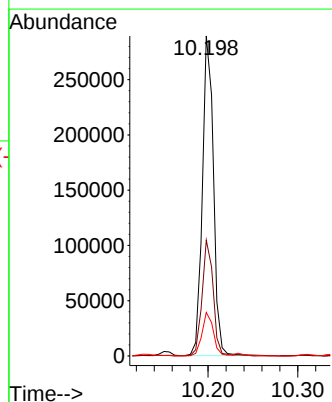
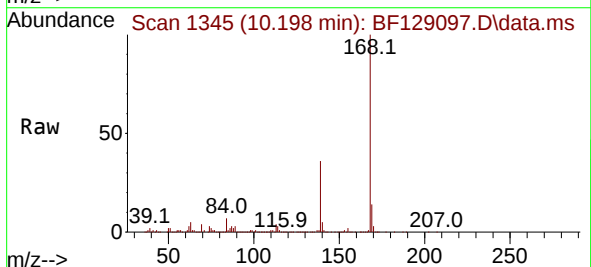
Instrument :
BNA_F
ClientSampleId :
SB-11B

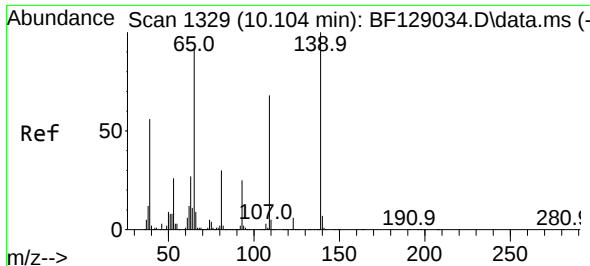
Tgt Ion:184 Resp: 222
Ion Ratio Lower Upper
184 100
63 0.0 64.5 96.7#
154 0.0 50.6 75.8#



#55
Dibenzofuran
Concen: 3.903 ng
RT: 10.198 min Scan# 1345
Delta R.T. -0.012 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

Tgt Ion:168 Resp: 247665
Ion Ratio Lower Upper
168 100
139 36.2 30.6 46.0
169 13.6 11.0 16.6

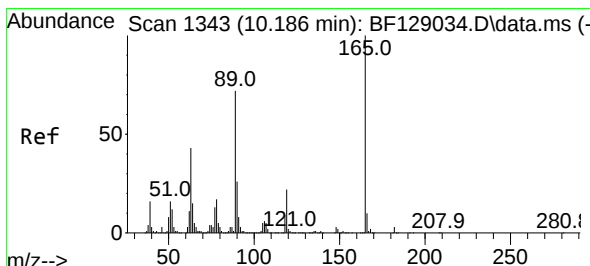
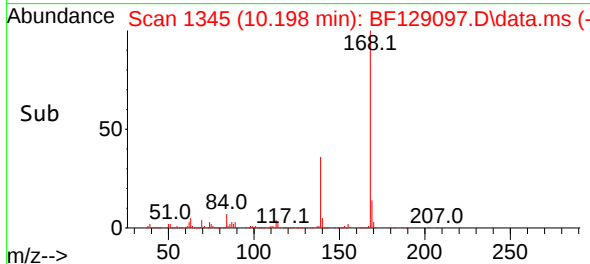
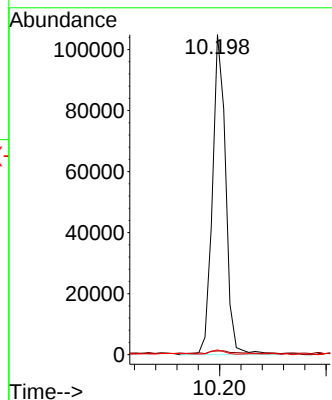
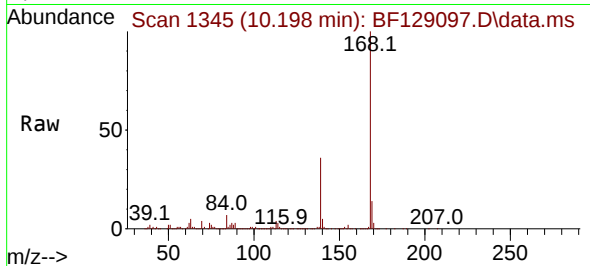




#56
4-Nitrophenol
Concen: 9.209 ng
RT: 10.198 min Scan# 1345
Delta R.T. 0.094 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

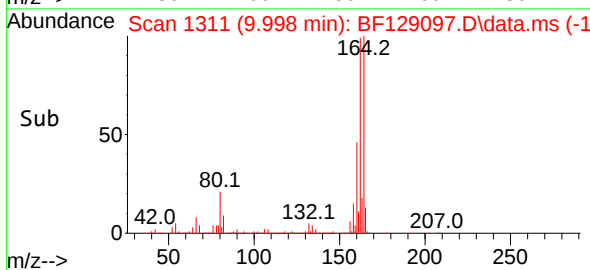
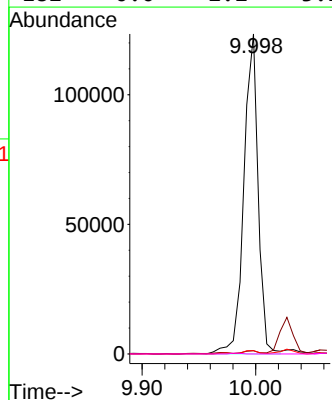
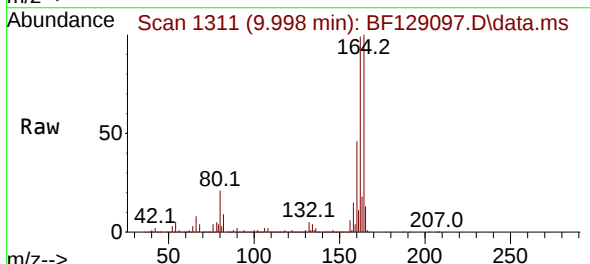
Instrument :
BNA_F
ClientSampleId :
SB-11B

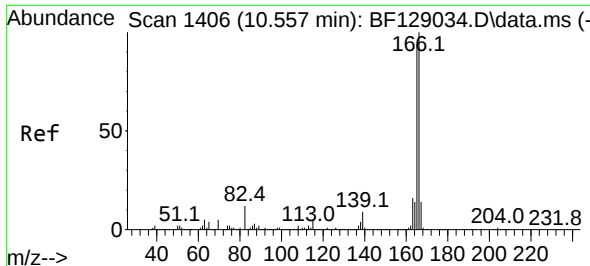
Tgt Ion:139 Resp: 90963
Ion Ratio Lower Upper
139 100
109 1.1 50.7 90.7#
65 1.5 74.5 114.5#



#57
2,4-Dinitrotoluene
Concen: 8.606 ng
RT: 9.998 min Scan# 1311
Delta R.T. -0.188 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

Tgt Ion:165 Resp: 107706
Ion Ratio Lower Upper
165 100
63 1.0 39.8 59.6#
89 1.1 60.2 90.2#
182 0.0 2.2 3.2#

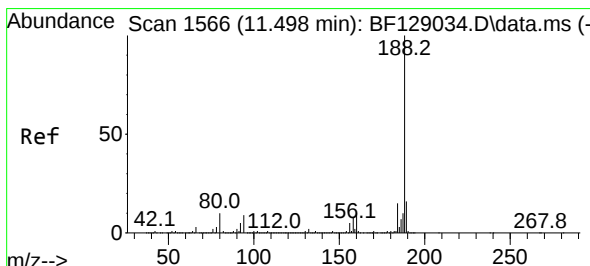
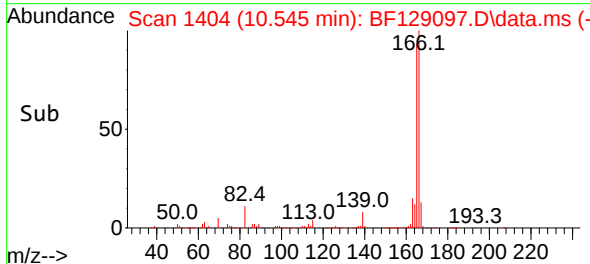
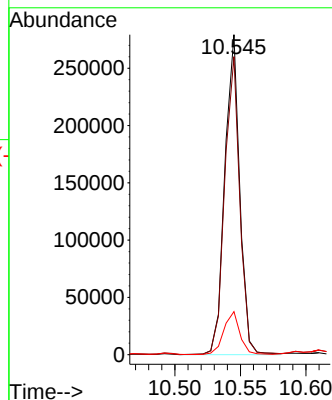
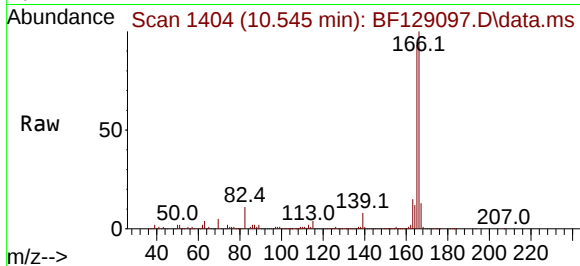




#58
Fluorene
Concen: 4.503 ng
RT: 10.545 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

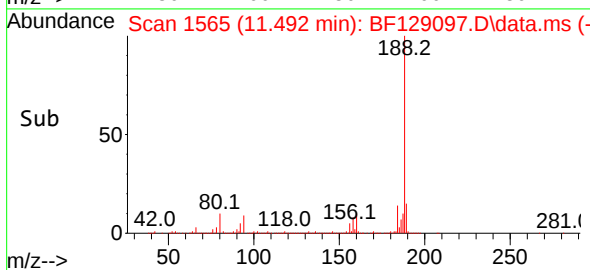
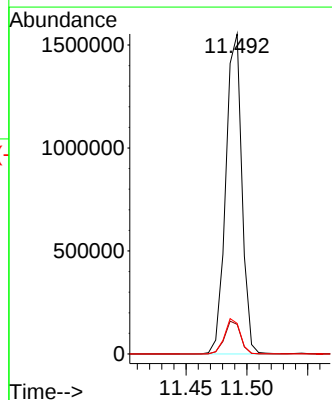
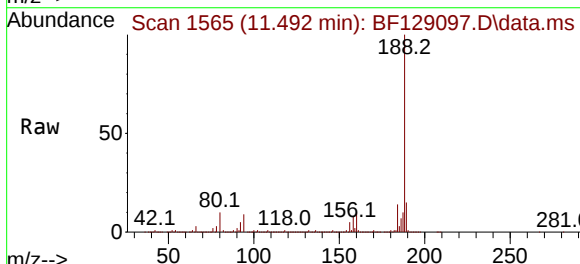
Instrument :
BNA_F
ClientSampleId :
SB-11B

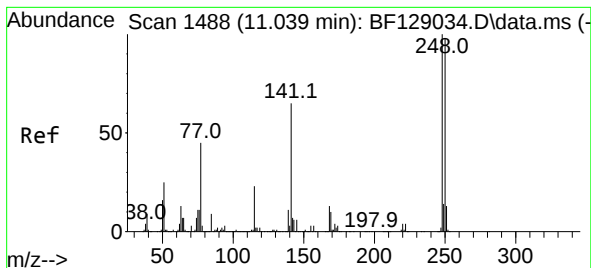
Tgt Ion:166 Resp: 221006
Ion Ratio Lower Upper
166 100
165 93.2 78.1 117.1
167 13.5 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

Tgt Ion:188 Resp: 1432301
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.6
80 9.6 7.6 11.4

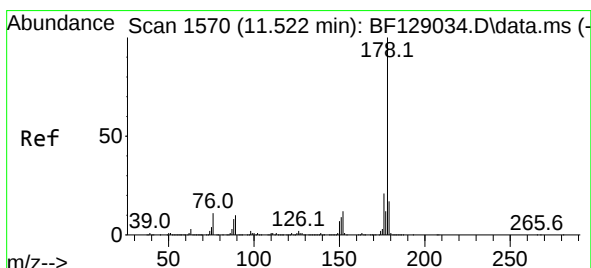
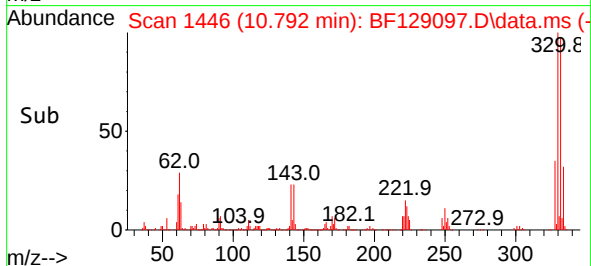
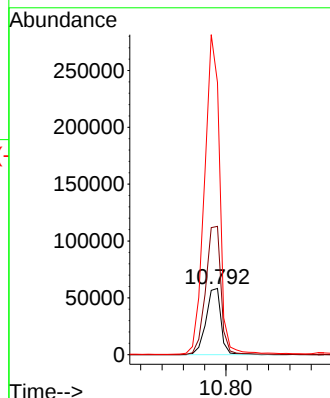
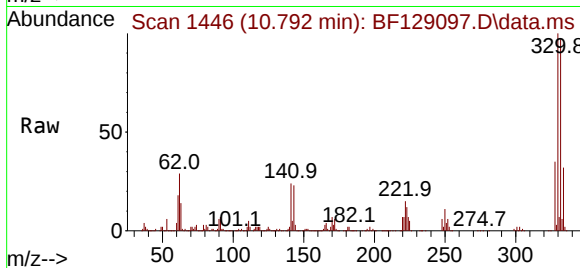




#67
4-Bromophenyl-phenylether
Concen: 3.751 ng
RT: 10.792 min Scan# 1488
Delta R.T. -0.247 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

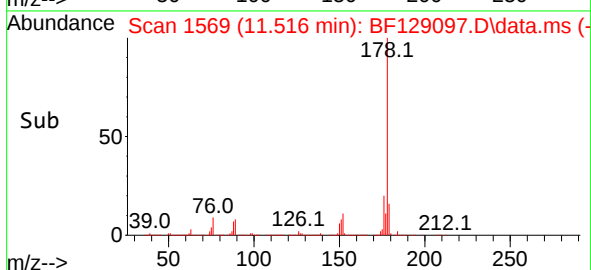
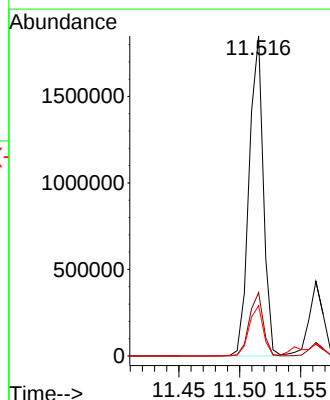
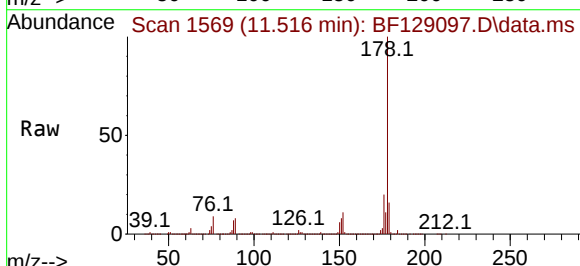
Instrument :
BNA_F
ClientSampleId :
SB-11B

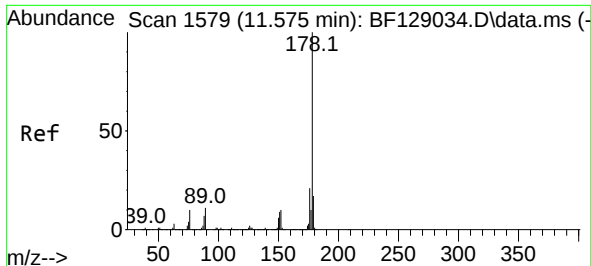
Tgt Ion:248 Resp: 57151
Ion Ratio Lower Upper
248 100
250 193.9 80.6 120.8#
141 411.0 58.9 88.3#



#71
Phenanthrene
Concen: 22.006 ng
RT: 11.516 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

Tgt Ion:178 Resp: 1505998
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 15.7 12.6 19.0

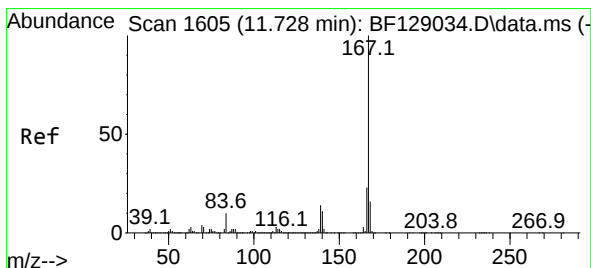
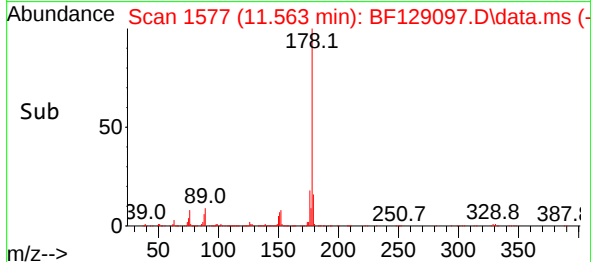
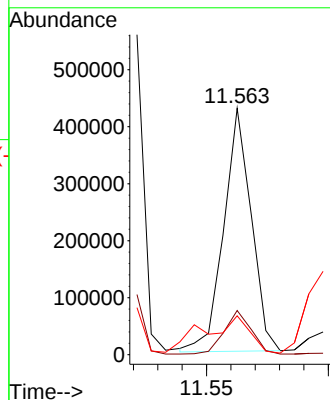
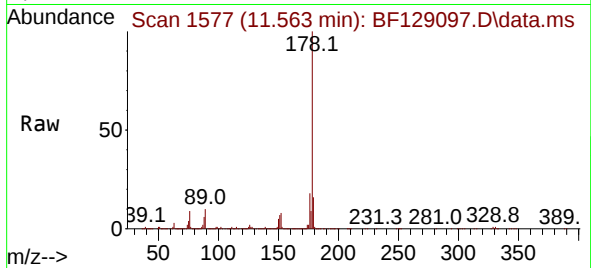




#72
 Anthracene
 Concen: 4.965 ng
 RT: 11.563 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF129097.D
 Acq: 01 Jul 2022 17:56

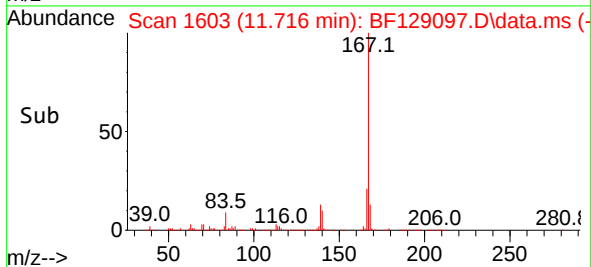
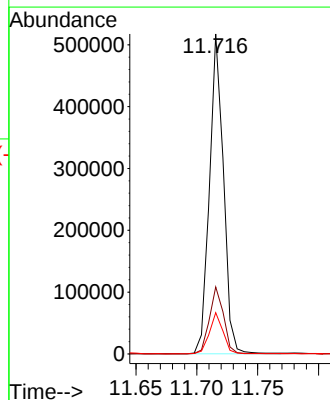
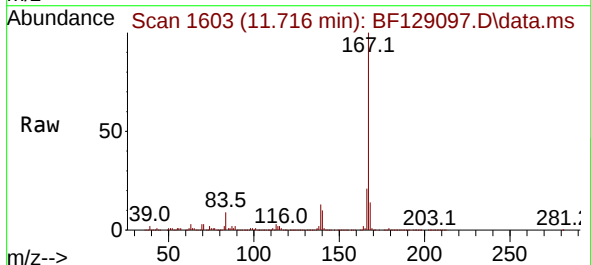
Instrument :
 BNA_F
 ClientSampleId :
 SB-11B

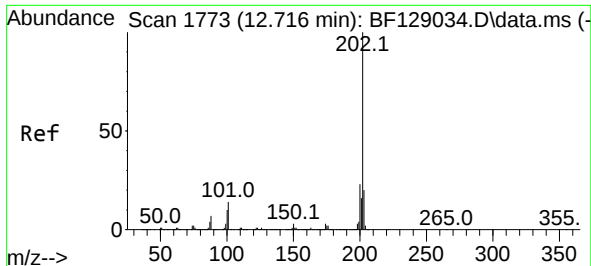
Tgt Ion:178 Resp: 334986
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.2
 179 15.8 12.6 19.0



#73
 Carbazole
 Concen: 6.127 ng
 RT: 11.716 min Scan# 1603
 Delta R.T. -0.012 min
 Lab File: BF129097.D
 Acq: 01 Jul 2022 17:56

Tgt Ion:167 Resp: 414214
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.7 26.5
 139 12.9 11.2 16.8

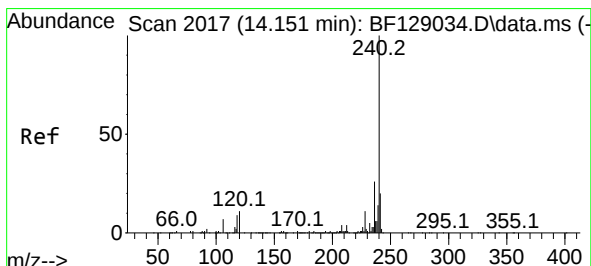
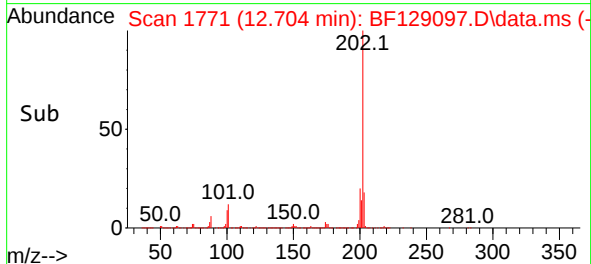
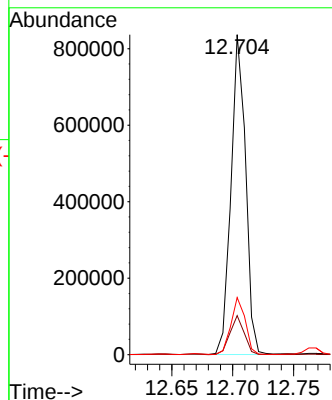
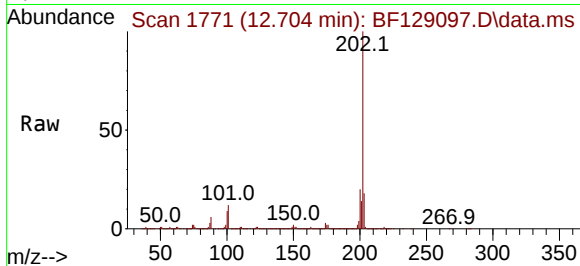




#75
Fluoranthene
Concen: 9.796 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

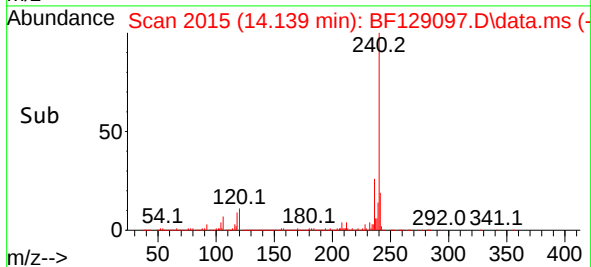
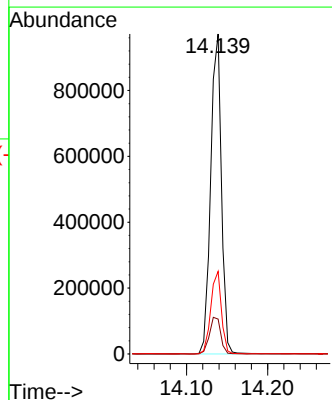
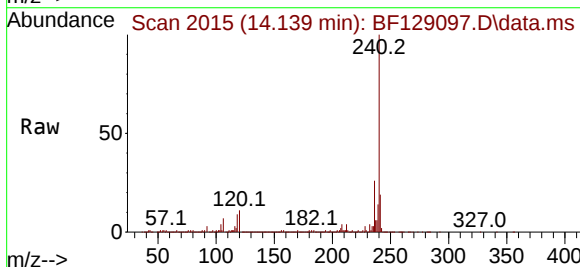
Instrument :
BNA_F
ClientSampleId :
SB-11B

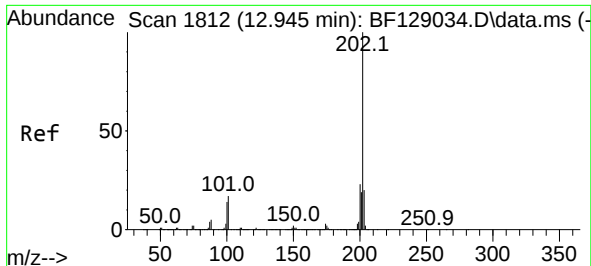
Tgt Ion:202 Resp: 701081
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.4
203 17.9 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

Tgt Ion:240 Resp: 889651
Ion Ratio Lower Upper
240 100
120 10.9 8.9 13.3
236 25.8 20.8 31.2

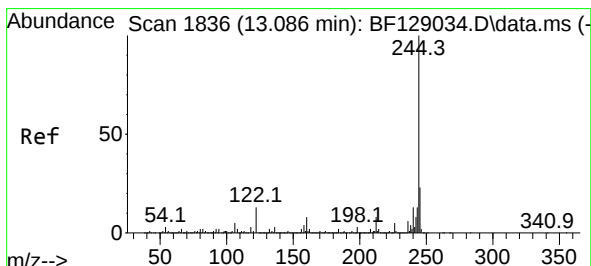
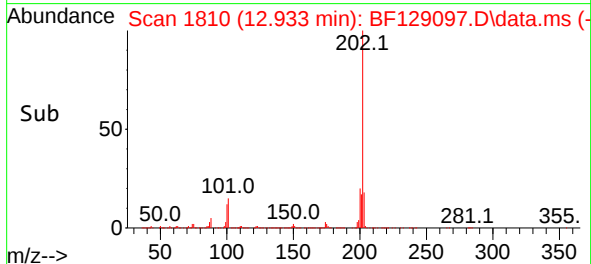
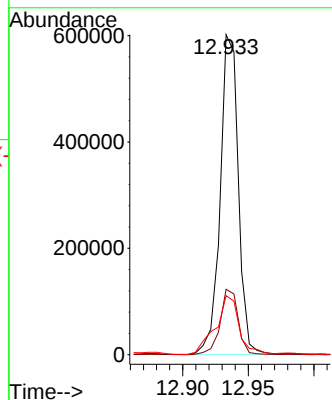
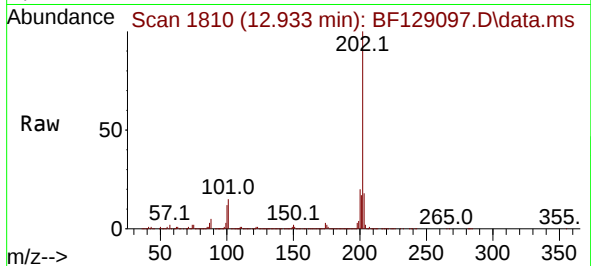




#78
Pyrene
Concen: 9.335 ng
RT: 12.933 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

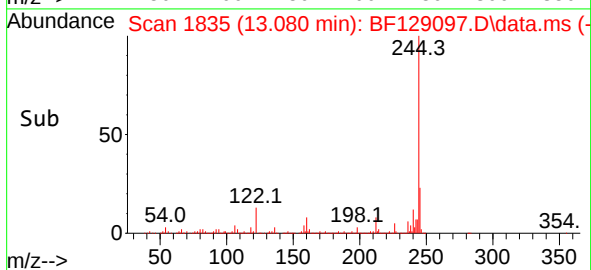
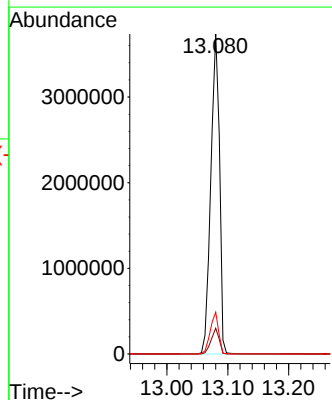
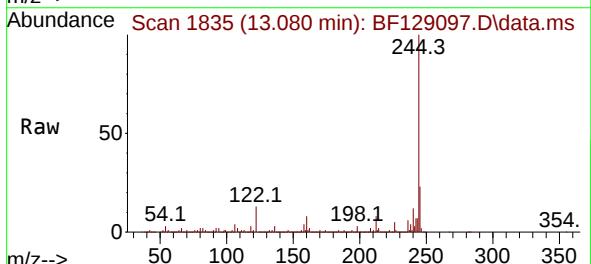
Instrument :
BNA_F
ClientSampleId :
SB-11B

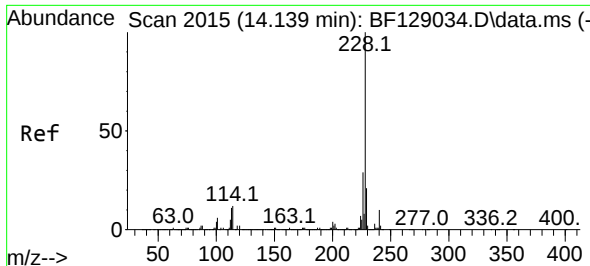
Tgt Ion:202 Resp: 575677
Ion Ratio Lower Upper
202 100
200 20.5 17.7 26.5
203 18.5 14.6 21.8



#79
Terphenyl-d14
Concen: 86.704 ng
RT: 13.080 min Scan# 1835
Delta R.T. -0.006 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

Tgt Ion:244 Resp: 3714480
Ion Ratio Lower Upper
244 100
212 8.1 6.1 9.1
122 13.1 8.8 13.2

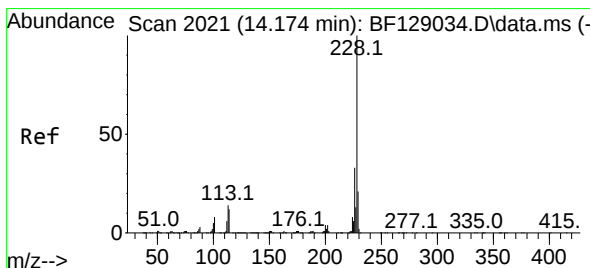
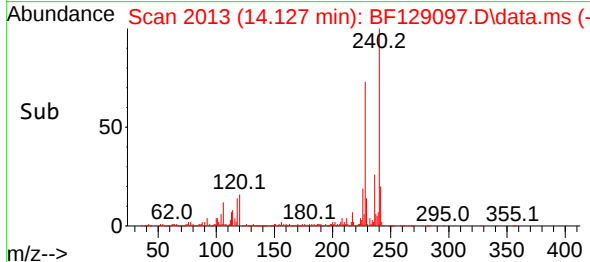
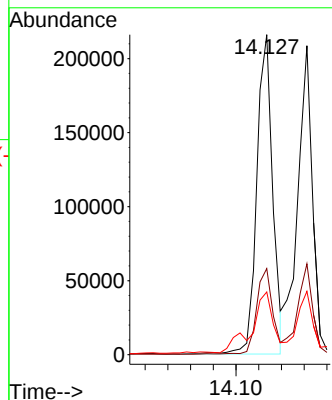
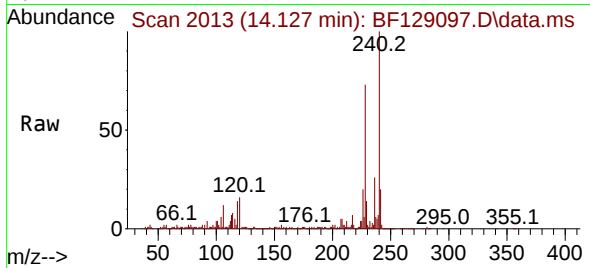




#81
Benzo(a)anthracene
Concen: 3.847 ng
RT: 14.127 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

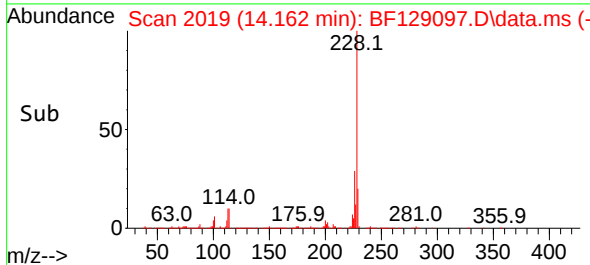
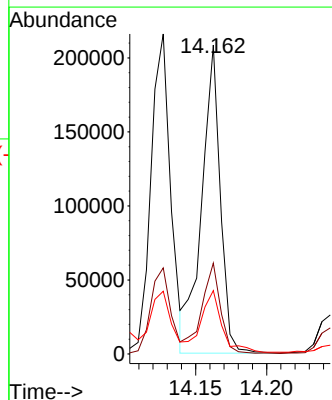
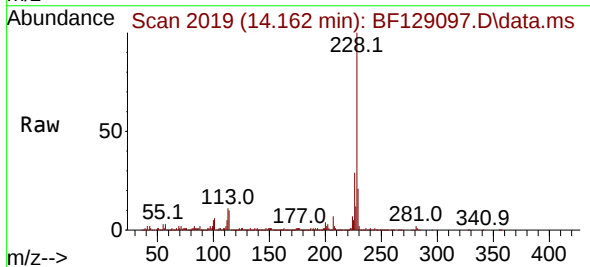
Instrument :
BNA_F
ClientSampleId :
SB-11B

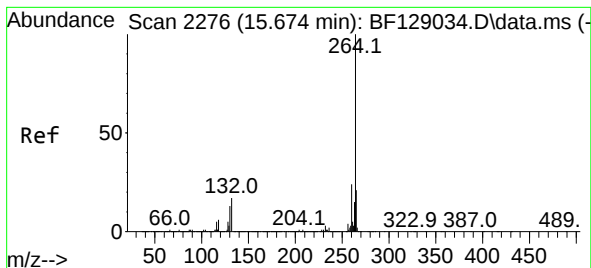
Tgt Ion:228 Resp: 208966
Ion Ratio Lower Upper
228 100
226 26.9 22.1 33.1
229 19.6 15.8 23.8



#83
Chrysene
Concen: 3.780 ng
RT: 14.162 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

Tgt Ion:228 Resp: 190637
Ion Ratio Lower Upper
228 100
226 29.4 24.3 36.5
229 20.5 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.656 min Scan# 2196

Delta R.T. -0.018 min

Lab File: BF129097.D

Acq: 01 Jul 2022 17:56

Instrument :

BNA_F

ClientSampleId :

SB-11B

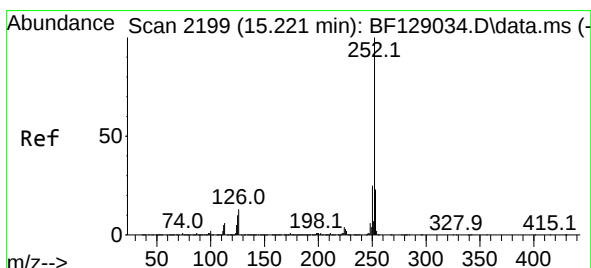
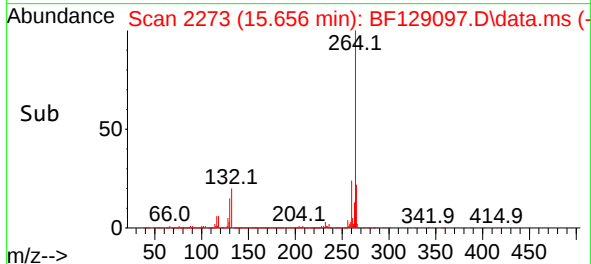
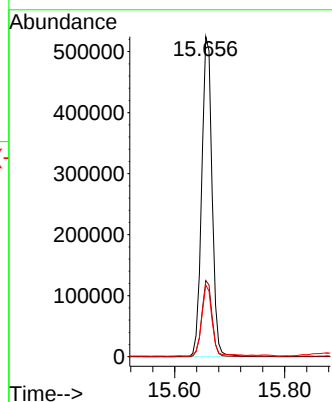
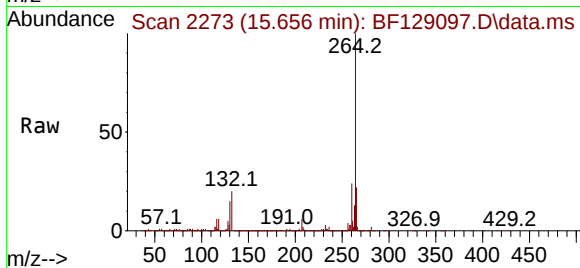
Tgt Ion:264 Resp: 687951

Ion Ratio Lower Upper

264 100

260 23.8 18.4 27.6

265 22.4 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 5.385 ng

RT: 15.204 min Scan# 2196

Delta R.T. -0.018 min

Lab File: BF129097.D

Acq: 01 Jul 2022 17:56

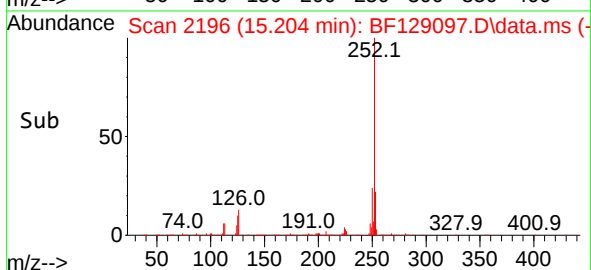
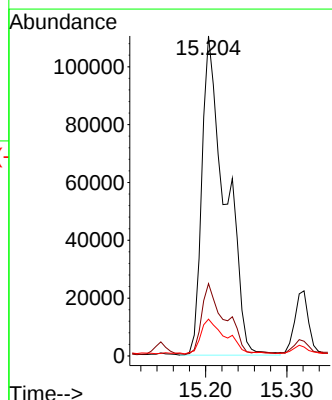
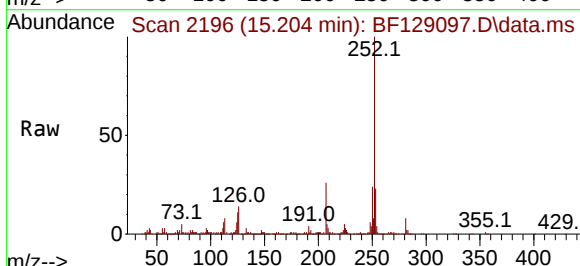
Tgt Ion:252 Resp: 222781

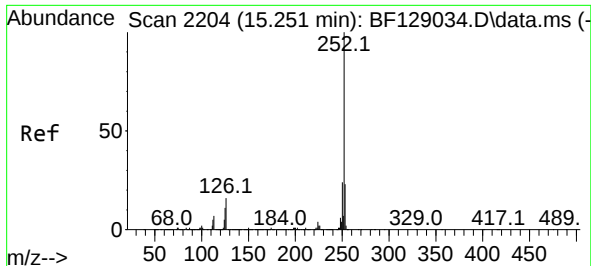
Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 11.5 8.0 12.0

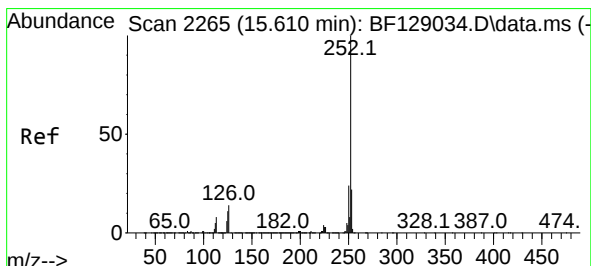
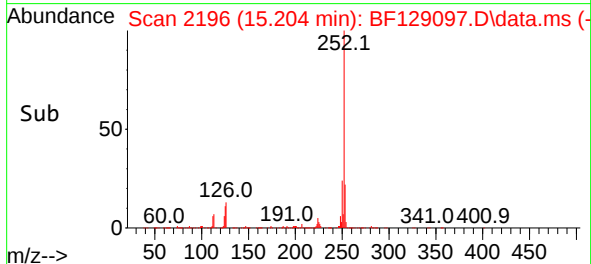
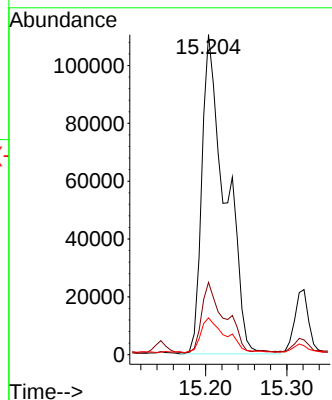
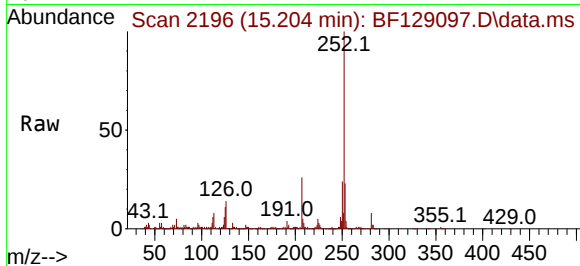




#89
Benzo(k)fluoranthene
Concen: 5.552 ng
RT: 15.204 min Scan# 2196
Delta R.T. -0.047 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

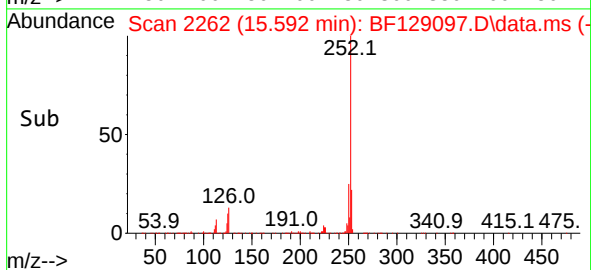
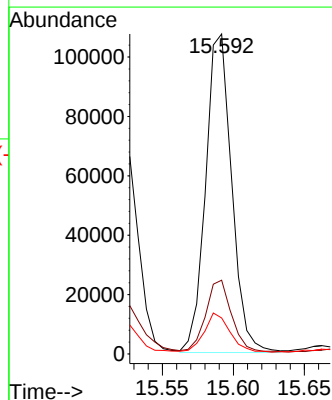
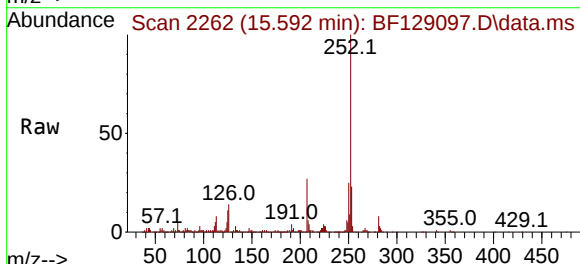
Instrument :
BNA_F
ClientSampleId :
SB-11B

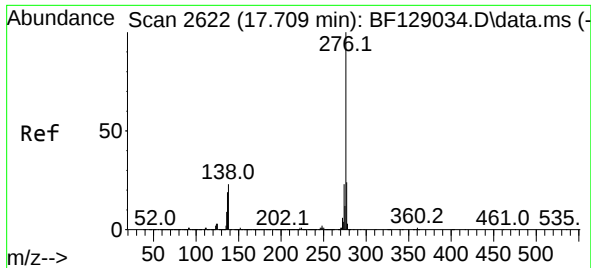
Tgt Ion:252 Resp: 222781
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 11.5 8.3 12.5



#90
Benzo(a)pyrene
Concen: 4.078 ng
RT: 15.592 min Scan# 2262
Delta R.T. -0.018 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

Tgt Ion:252 Resp: 137544
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 11.3 8.8 13.2





#92
Benzo(g,h,i)perylene
Concen: 2.290 ng
RT: 17.674 min Scan# 20
Delta R.T. -0.036 min
Lab File: BF129097.D
Acq: 01 Jul 2022 17:56

Instrument :
BNA_F
ClientSampleId :
SB-11B

Tgt Ion:276 Resp: 79022
Ion Ratio Lower Upper
276 100
277 23.2 19.1 28.7
138 23.6 18.0 27.0

