

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
 Data File : BF129110.D
 Acq On : 02 Jul 2022 00:30
 Operator : CG\JU
 Sample : N3539-01DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-062922DL

Quant Time: Jul 02 01:27:56 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)

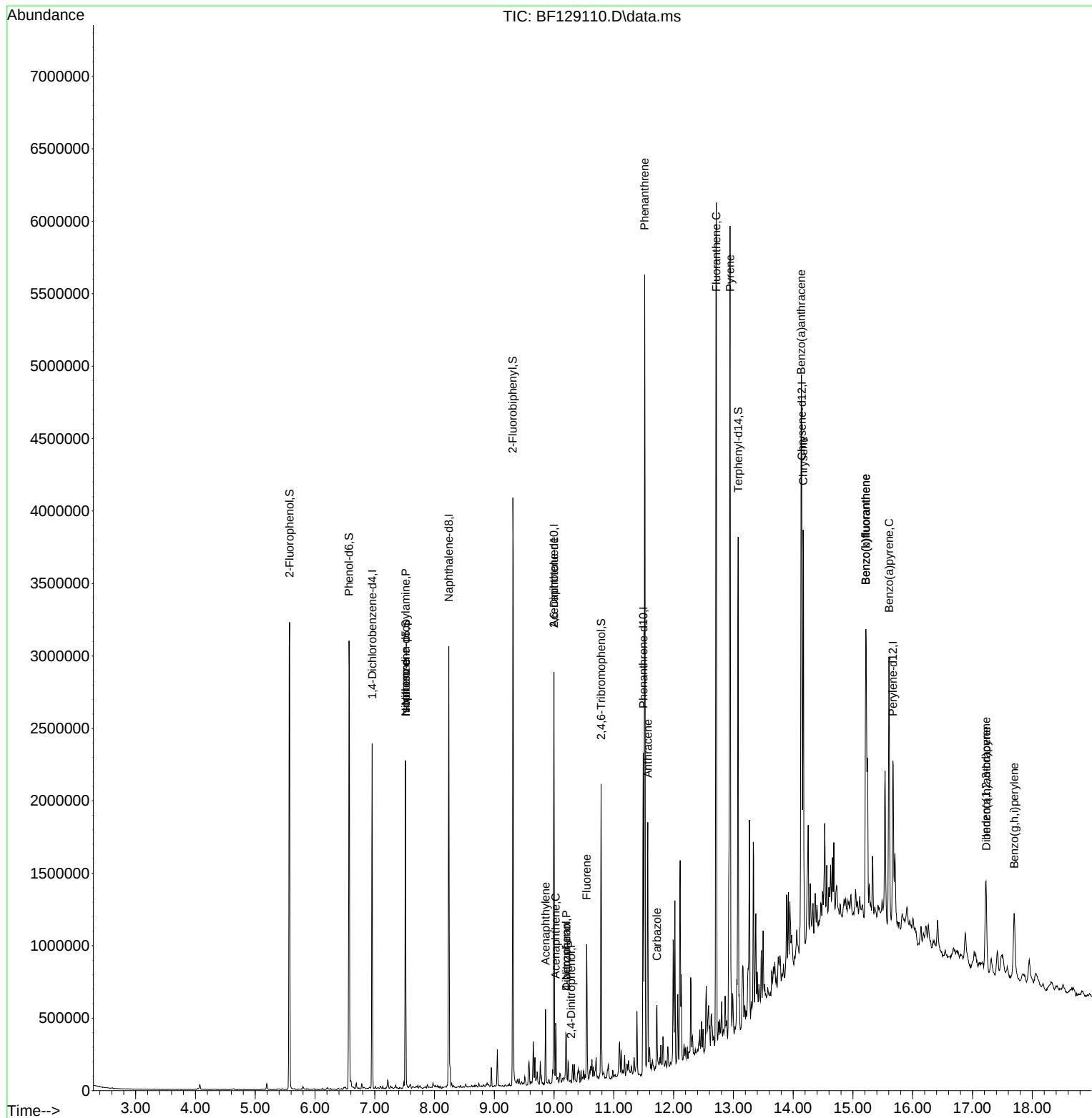
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	331051	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	1182143	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	530693	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	805779	20.000	ng	0.00
76) Chrysene-d12	14.145	240	660248	20.000	ng	0.00
86) Perylene-d12	15.668	264	510809	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	922040	47.087	ng	-0.01
7) Phenol-d6	6.569	99	1111439	45.701	ng	-0.02
23) Nitrobenzene-d5	7.516	82	648979	32.745	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	211241	36.607	ng	-0.01
45) 2-Fluorobiphenyl	9.310	172	1290502	38.902	ng	-0.01
79) Terphenyl-d14	13.080	244	1110687	34.934	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.510	77	561	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.516	70	83569	5.940	ng	# 70
25) Isophorone	7.516	82	637934	19.046	ng	# 65
49) Acenaphthylene	9.857	152	173721	3.880	ng	# 99
51) 2,6-Dinitrotoluene	9.998	165	73283	10.802	ng	# 25
52) Acenaphthene	10.028	154	81022	2.778	ng	# 99
54) 2,4-Dinitrophenol	10.286	184	218	6.921	ng	# 88
55) Dibenzofuran	10.204	168	110944	2.613	ng	# 96
56) 4-Nitrophenol	10.204	139	41054	6.211	ng	# 10
58) Fluorene	10.545	166	243082	7.401	ng	# 99
71) Phenanthrene	11.516	178	1928207	50.083	ng	# 99
72) Anthracene	11.569	178	623982	16.439	ng	# 99
73) Carbazole	11.722	167	178866	4.703	ng	# 96
75) Fluoranthene	12.716	202	2402454	59.668	ng	# 98
78) Pyrene	12.945	202	2235700	48.851	ng	# 99
81) Benzo(a)anthracene	14.133	228	1325405	32.877	ng	# 95
83) Chrysene	14.168	228	1120143	29.930	ng	# 97
87) Indeno(1,2,3-cd)pyrene	17.227	276	431785	13.782	ng	# 96
88) Benzo(b)fluoranthene	15.215	252	1617431	52.651	ng	# 95
89) Benzo(k)fluoranthene	15.215	252	1617431	54.284	ng	# 96
90) Benzo(a)pyrene	15.604	252	861984	34.420	ng	# 96
91) Dibenzo(a,h)anthracene	17.233	278	114214	4.472	ng	# 78
92) Benzo(g,h,i)perylene	17.698	276	383070	14.950	ng	# 97

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

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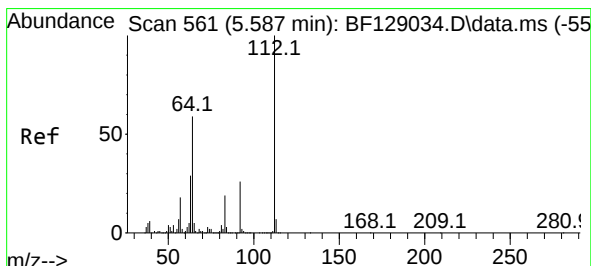
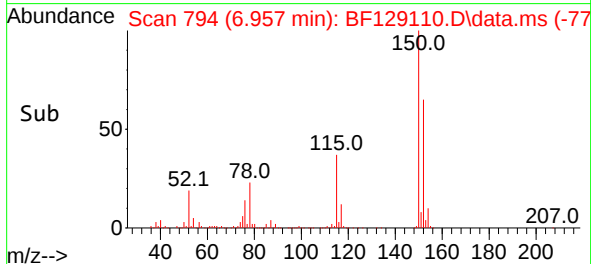
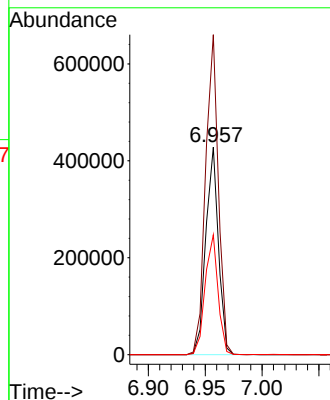
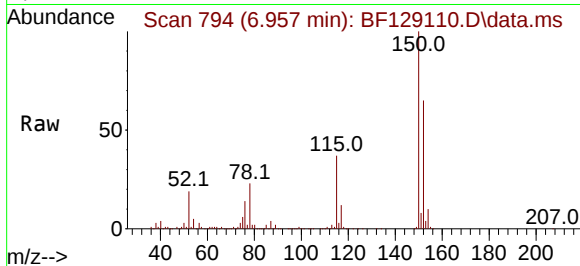




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.957 min Scan# 795
 Delta R.T. -0.006 min
 Lab File: BF129110.D
 Acq: 02 Jul 2022 00:30

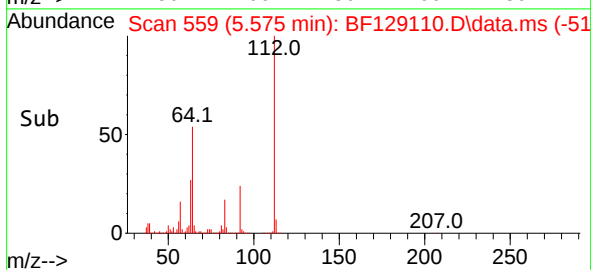
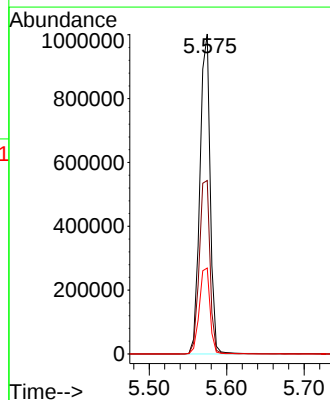
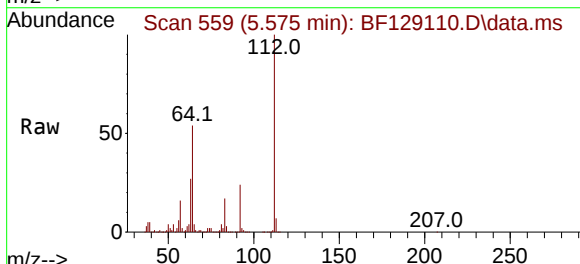
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-062922DL

Tgt Ion:152 Resp: 331051
 Ion Ratio Lower Upper
 152 100
 150 154.2 123.7 185.5
 115 57.8 49.9 74.9



#5
 2-Fluorophenol
 Concen: 47.087 ng
 RT: 5.575 min Scan# 559
 Delta R.T. -0.012 min
 Lab File: BF129110.D
 Acq: 02 Jul 2022 00:30

Tgt Ion:112 Resp: 922040
 Ion Ratio Lower Upper
 112 100
 64 54.2 53.3 79.9
 63 26.8 28.0 42.0#

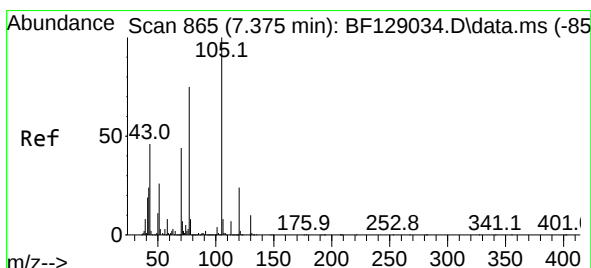
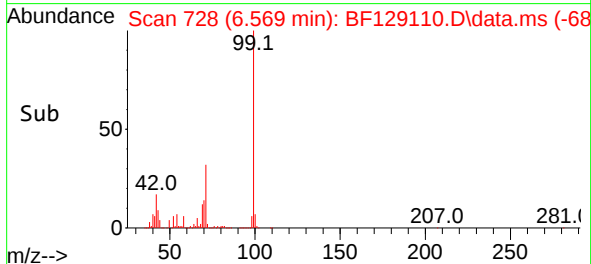
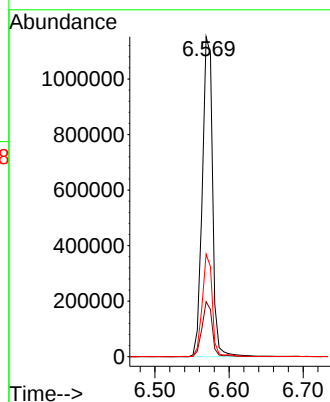
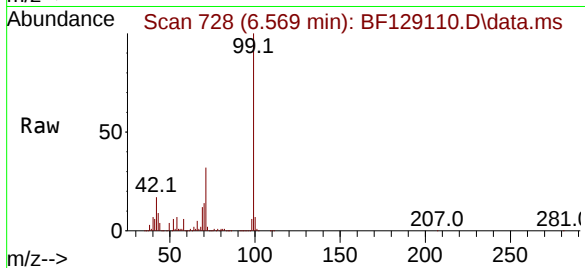




#7
Phenol-d6
Concen: 45.701 ng
RT: 6.569 min Scan# 711
Delta R.T. -0.018 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

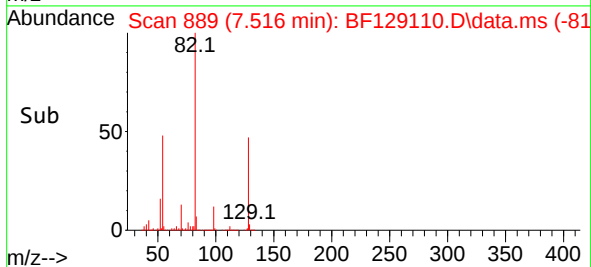
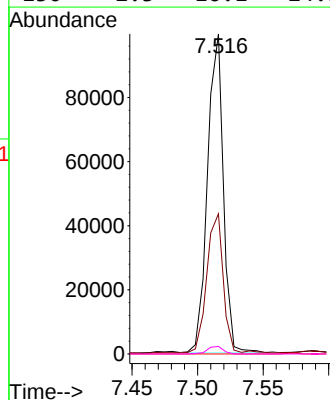
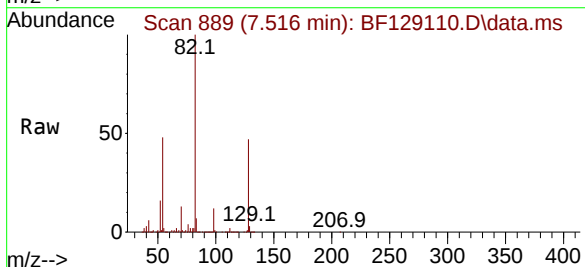
Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

Tgt Ion: 99 Resp: 1111439
Ion Ratio Lower Upper
99 100
42 17.2 17.3 25.9#
71 32.1 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 5.940 ng
RT: 7.516 min Scan# 889
Delta R.T. 0.141 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Tgt Ion: 70 Resp: 83569
Ion Ratio Lower Upper
70 100
42 43.8 52.3 78.5#
101 0.0 7.5 11.3#
130 2.3 16.1 24.1#



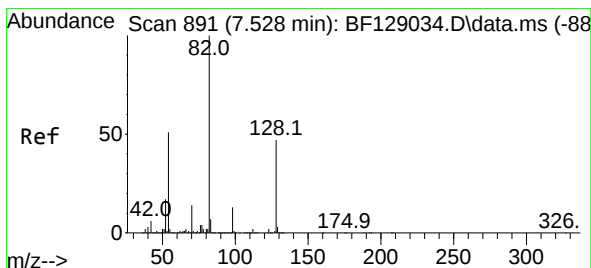
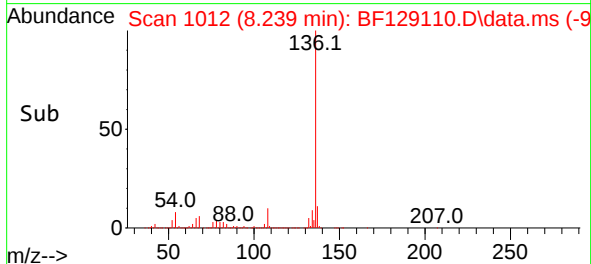
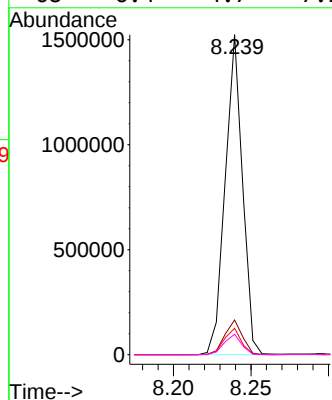
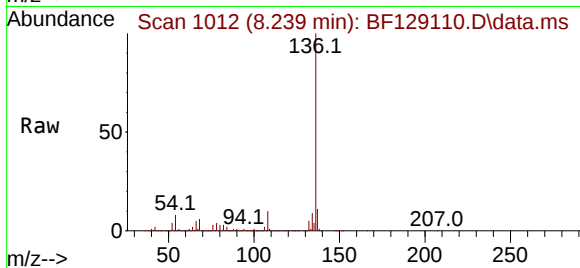


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

Tgt Ion:136 Resp: 1182143

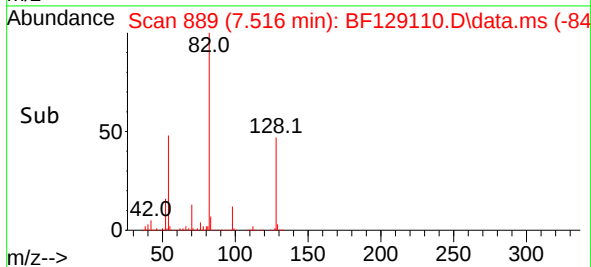
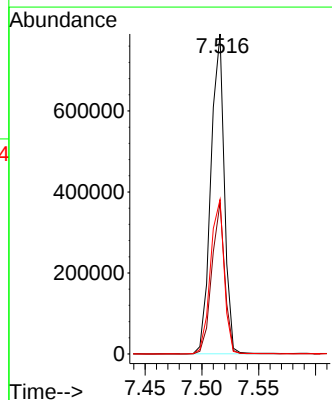
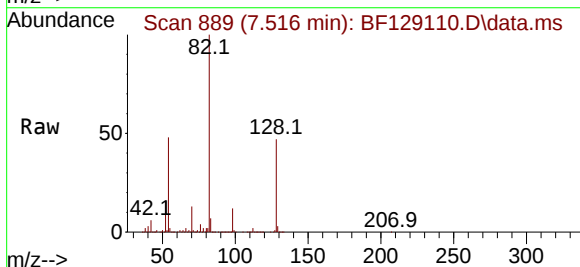
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.3	7.5	11.3
68	6.4	4.7	7.1



#23
Nitrobenzene-d5
Concen: 32.745 ng
RT: 7.516 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Tgt Ion: 82 Resp: 648979

Ion	Ratio	Lower	Upper
82	100		
128	47.3	34.0	51.0
54	48.2	46.9	70.3

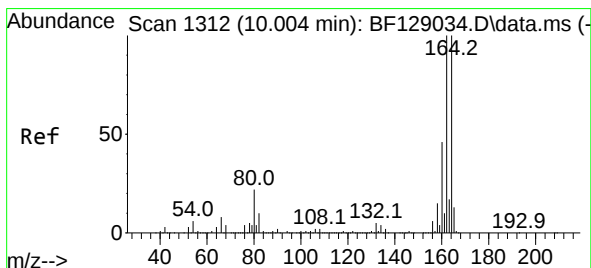
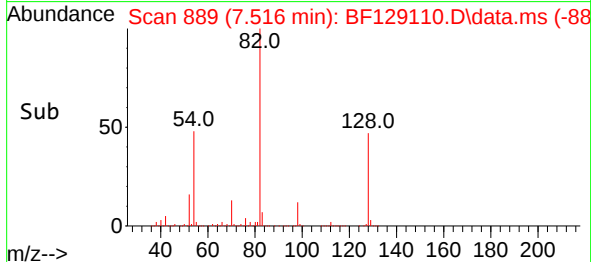
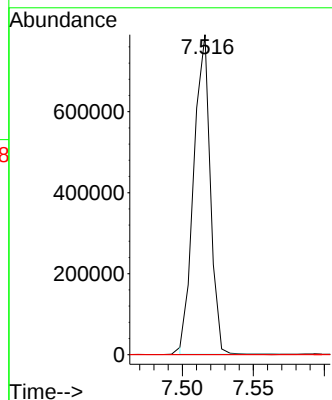
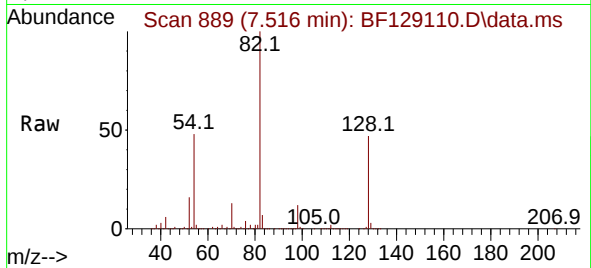




#25
Isophorone
Concen: 19.046 ng
RT: 7.516 min Scan# 81
Delta R.T. -0.277 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

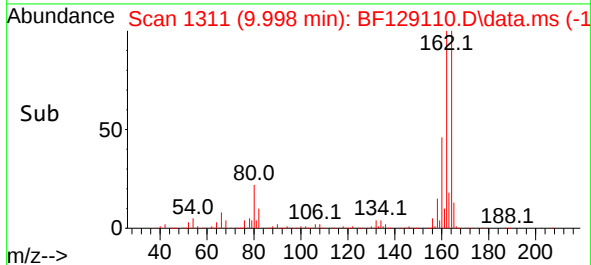
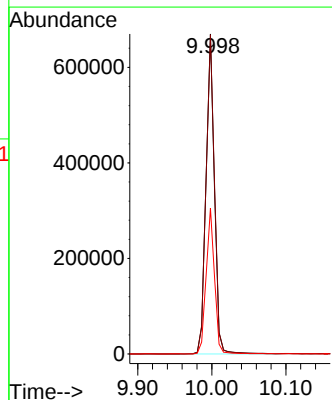
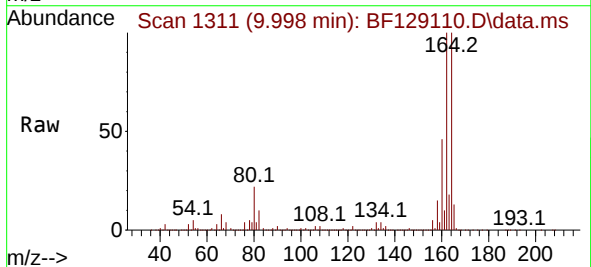
Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

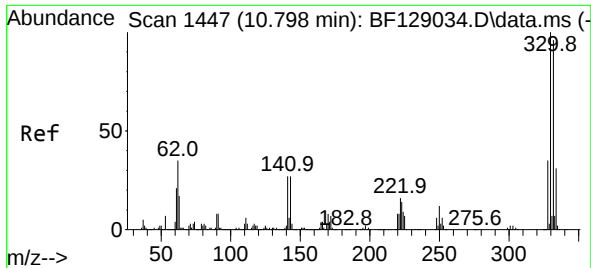
Tgt Ion: 82 Resp: 637934
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Tgt Ion:164 Resp: 530693
Ion Ratio Lower Upper
164 100
162 99.7 79.5 119.3
160 45.6 34.2 51.4

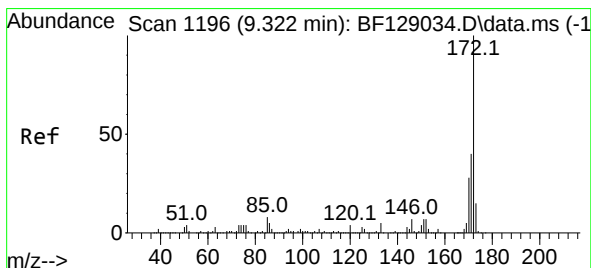
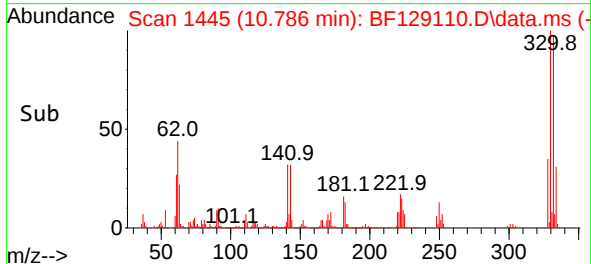
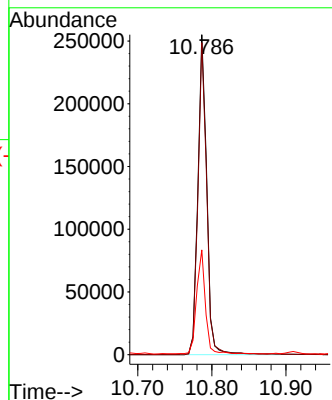
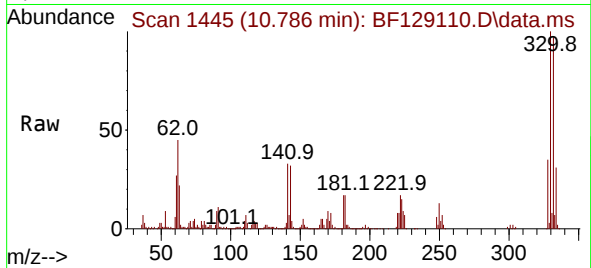




#42
2,4,6-Tribromophenol
Concen: 36.607 ng
RT: 10.786 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

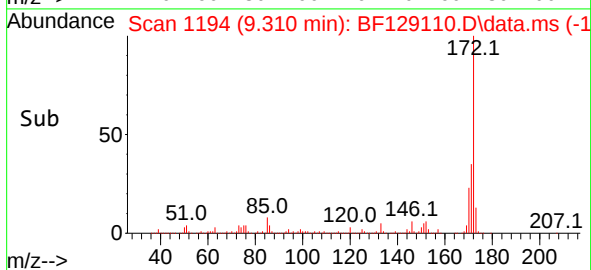
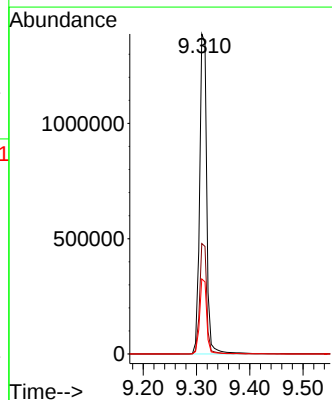
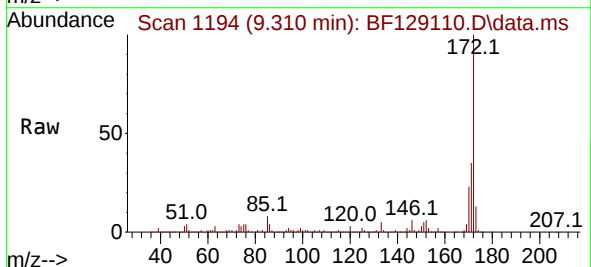
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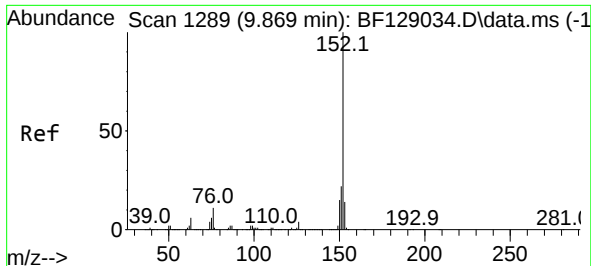
Tgt Ion:330 Resp: 211241
Ion Ratio Lower Upper
330 100
332 97.0 76.8 115.2
141 31.8 28.0 42.0



#45
2-Fluorobiphenyl
Concen: 38.902 ng
RT: 9.310 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Tgt Ion:172 Resp: 1290502
Ion Ratio Lower Upper
172 100
171 34.5 28.8 43.2
170 23.5 19.8 29.8

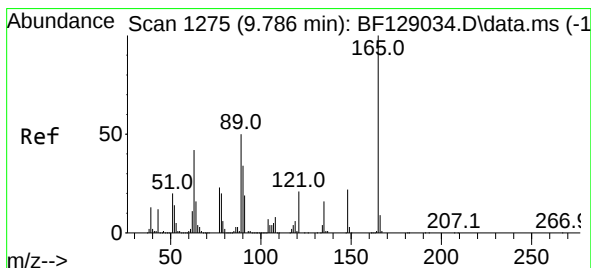
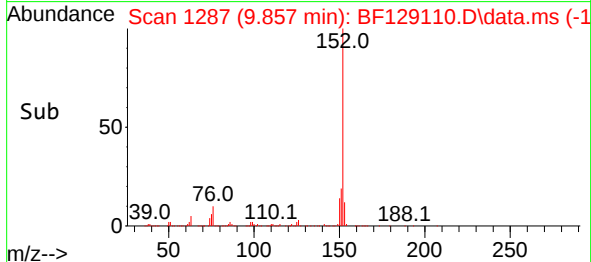
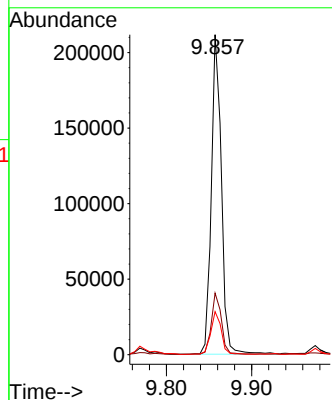
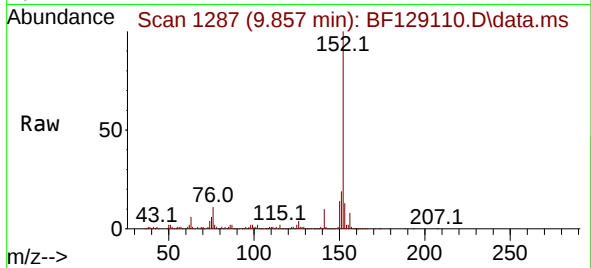




#49
Acenaphthylene
Concen: 3.880 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

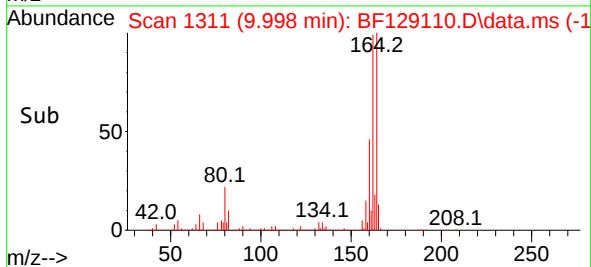
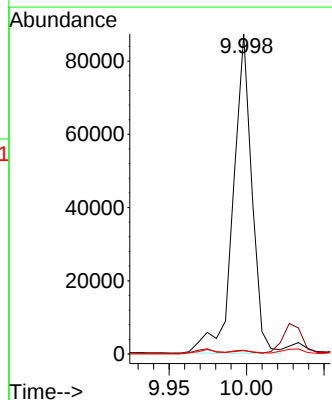
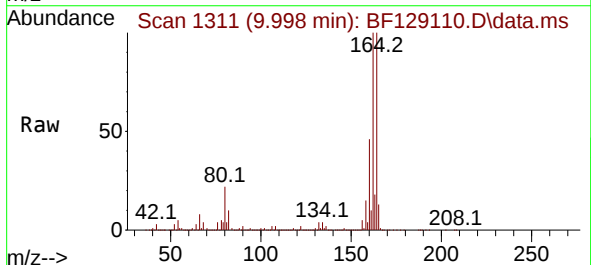
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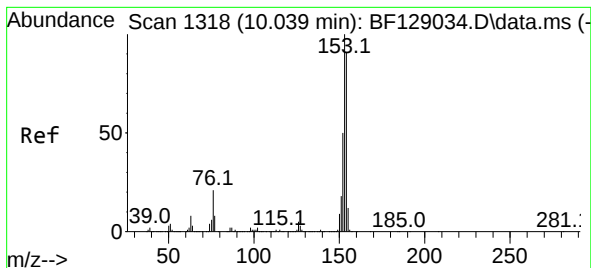
Tgt Ion:152 Resp: 173721
Ion Ratio Lower Upper
152 100
151 19.3 16.2 24.4
153 13.4 10.7 16.1



#51
2,6-Dinitrotoluene
Concen: 10.802 ng
RT: 9.998 min Scan# 1311
Delta R.T. 0.212 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Tgt Ion:165 Resp: 73283
Ion Ratio Lower Upper
165 100
63 1.2 44.9 67.3#
89 1.0 43.6 65.4#





#52

Acenaphthene

Concen: 2.778 ng

RT: 10.028 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF129110.D

Acq: 02 Jul 2022 00:30

Instrument :

BNA_F

ClientSampleId :

CL-02-062922DL

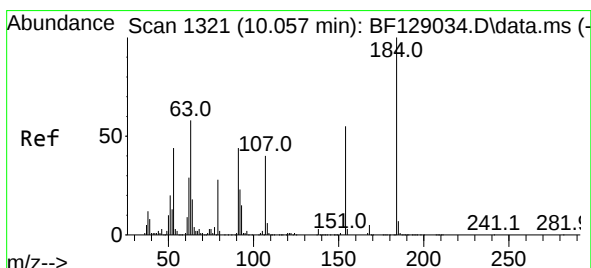
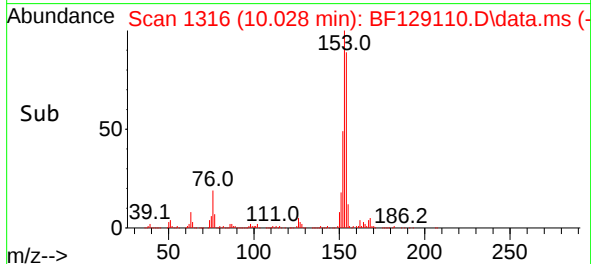
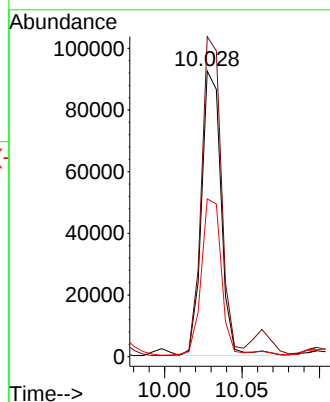
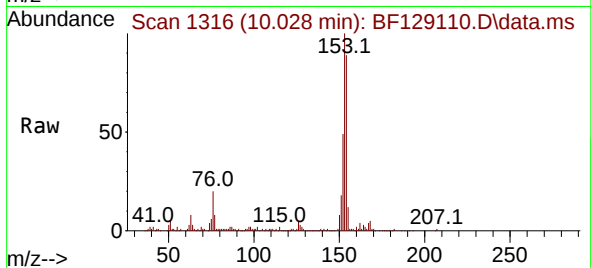
Tgt Ion:154 Resp: 81022

Ion Ratio Lower Upper

154 100

153 112.0 89.6 134.4

152 55.2 42.4 63.6



#54

2,4-Dinitrophenol

Concen: 6.921 ng

RT: 10.286 min Scan# 1360

Delta R.T. 0.229 min

Lab File: BF129110.D

Acq: 02 Jul 2022 00:30

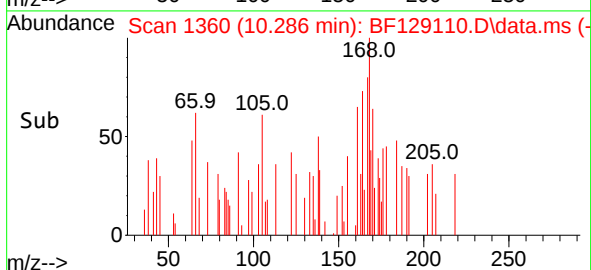
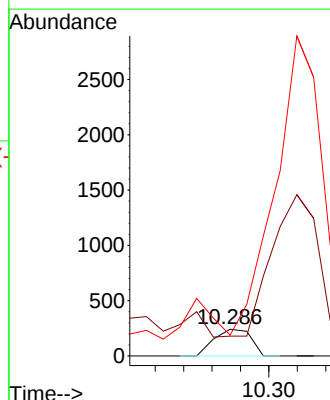
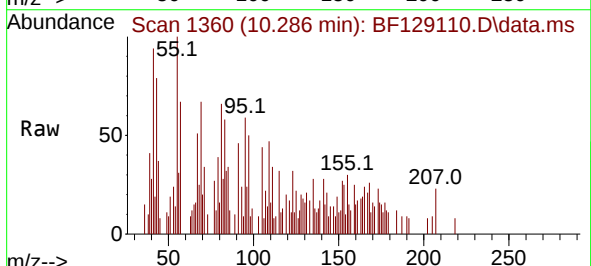
Tgt Ion:184 Resp: 218

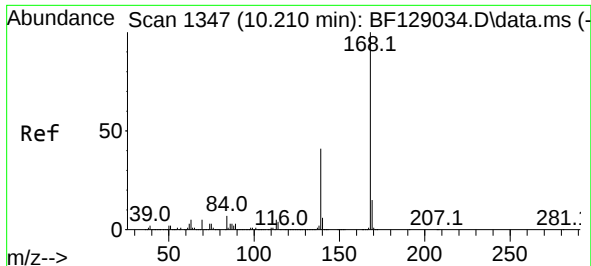
Ion Ratio Lower Upper

184 100

63 74.4 64.5 96.7

154 77.7 50.6 75.8#

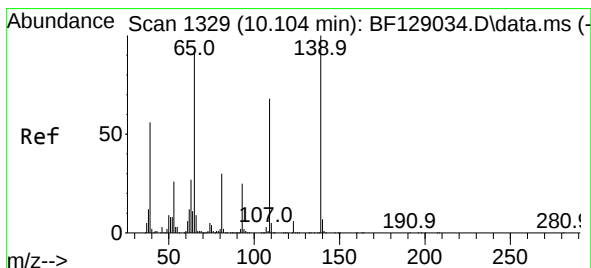
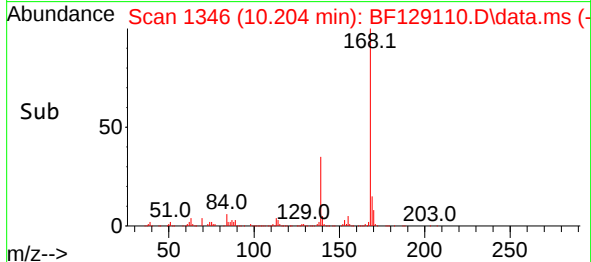
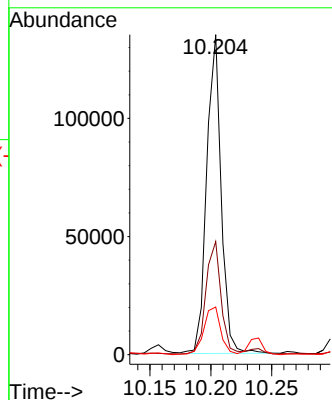
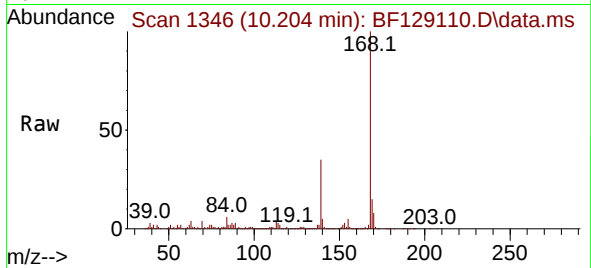




#55
Dibenzenofuran
Concen: 2.613 ng
RT: 10.204 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

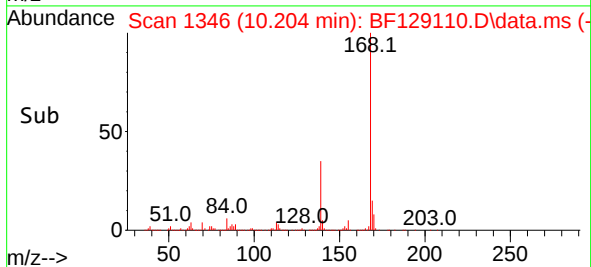
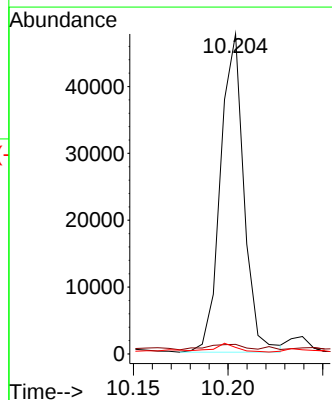
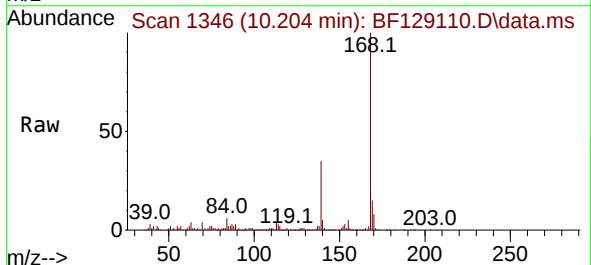
Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

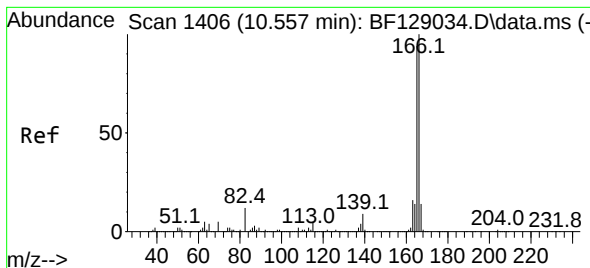
Tgt Ion:168 Resp: 110944
Ion Ratio Lower Upper
168 100
139 35.3 30.6 46.0
169 14.9 11.0 16.6



#56
4-Nitrophenol
Concen: 6.211 ng
RT: 10.204 min Scan# 1346
Delta R.T. 0.100 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Tgt Ion:139 Resp: 41054
Ion Ratio Lower Upper
139 100
109 3.0 50.7 90.7#
65 2.0 74.5 114.5#





#58

Fluorene

Concen: 7.401 ng

RT: 10.545 min Scan# 1404

Delta R.T. -0.012 min

Lab File: BF129110.D

Acq: 02 Jul 2022 00:30

Instrument :

BNA_F

ClientSampleId :

CL-02-062922DL

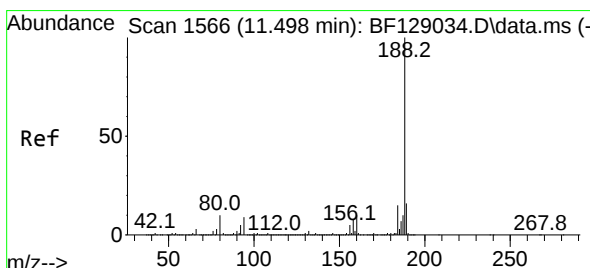
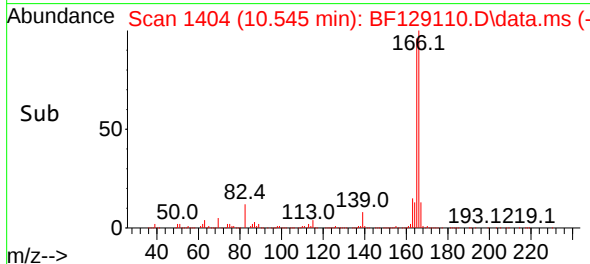
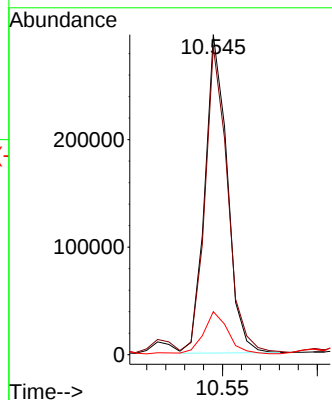
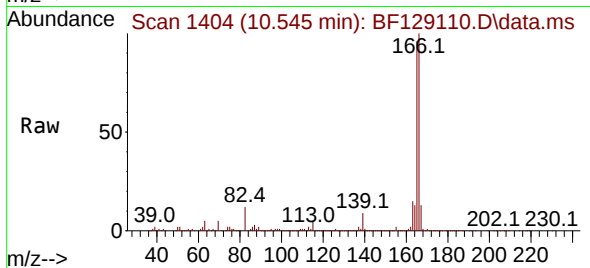
Tgt Ion:166 Resp: 243082

Ion Ratio Lower Upper

166 100

165 96.3 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: BF129110.D

Acq: 02 Jul 2022 00:30

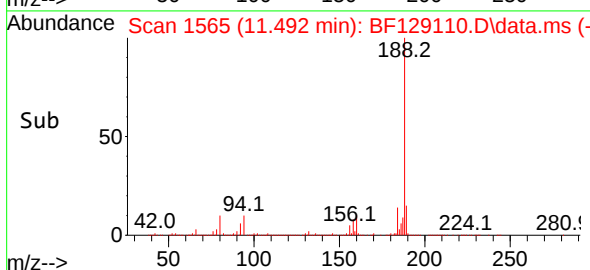
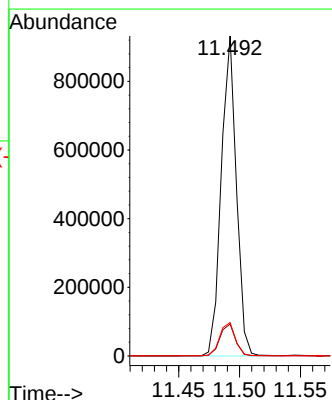
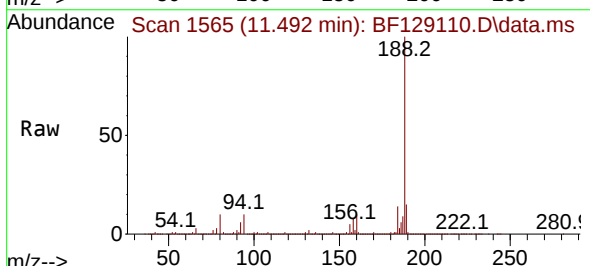
Tgt Ion:188 Resp: 805779

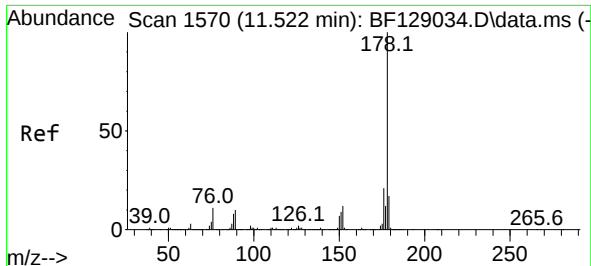
Ion Ratio Lower Upper

188 100

94 9.9 7.0 10.6

80 10.4 7.6 11.4

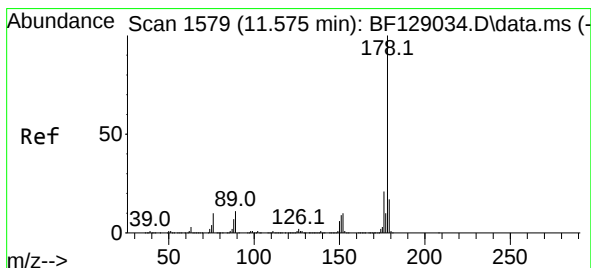
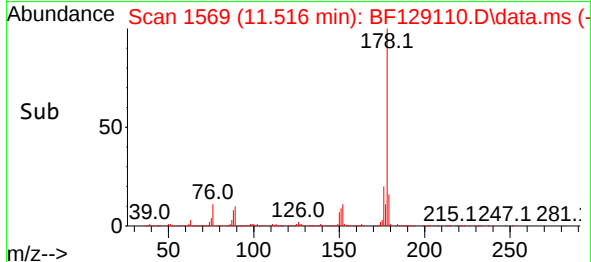
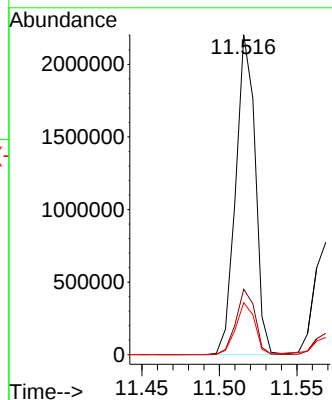
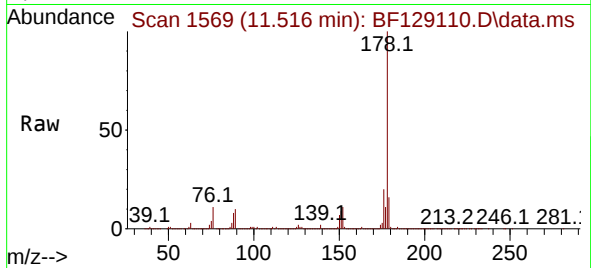




#71
Phenanthrene
Concen: 50.083 ng
RT: 11.516 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

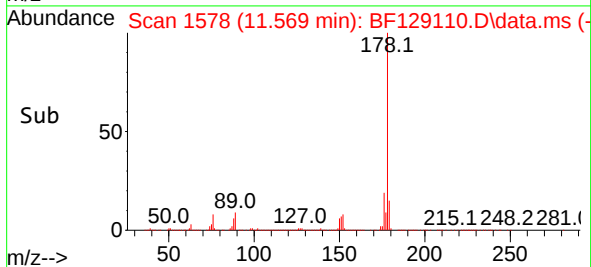
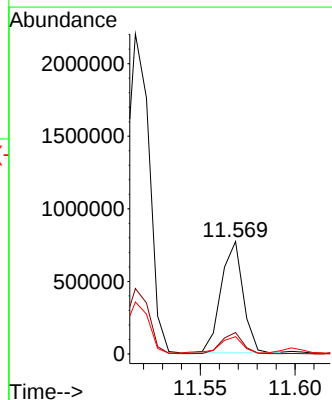
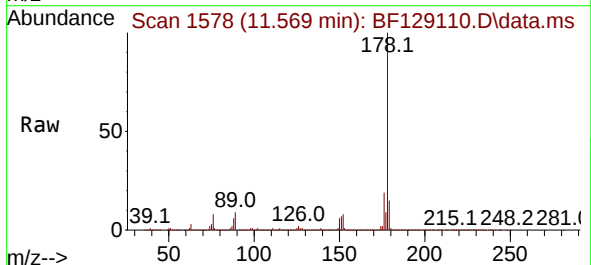
Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

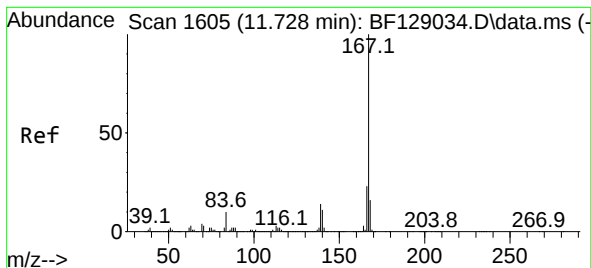
Tgt Ion:178 Resp: 1928207
Ion Ratio Lower Upper
178 100
176 20.5 16.0 24.0
179 16.2 12.6 19.0



#72
Anthracene
Concen: 16.439 ng
RT: 11.569 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Tgt Ion:178 Resp: 623982
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.3 12.6 19.0





#73

Carbazole

Concen: 4.703 ng

RT: 11.722 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129110.D

Acq: 02 Jul 2022 00:30

Instrument :

BNA_F

ClientSampleId :

CL-02-062922DL

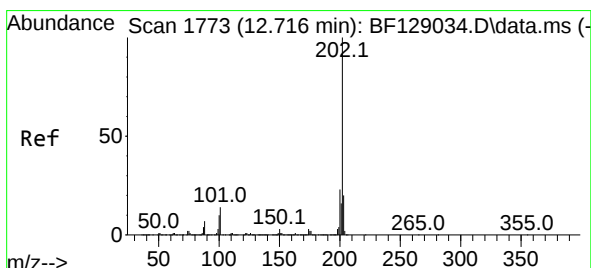
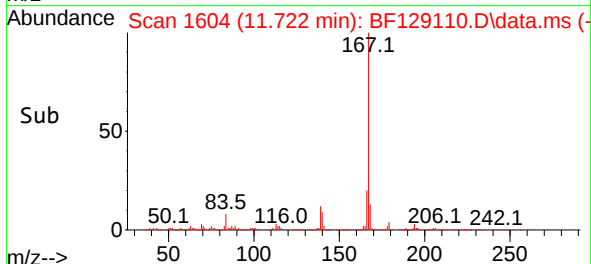
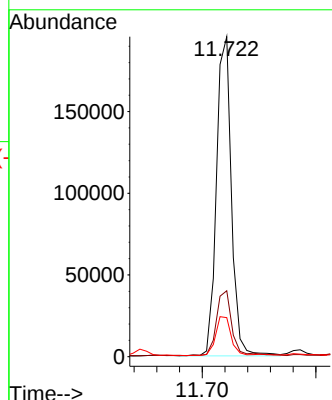
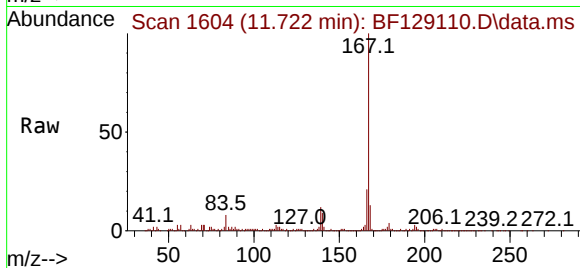
Tgt Ion:167 Resp: 178866

Ion Ratio Lower Upper

167 100

166 20.6 17.7 26.5

139 12.2 11.2 16.8



#75

Fluoranthene

Concen: 59.668 ng

RT: 12.716 min Scan# 1773

Delta R.T. -0.000 min

Lab File: BF129110.D

Acq: 02 Jul 2022 00:30

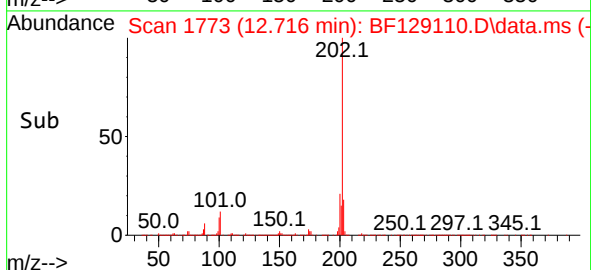
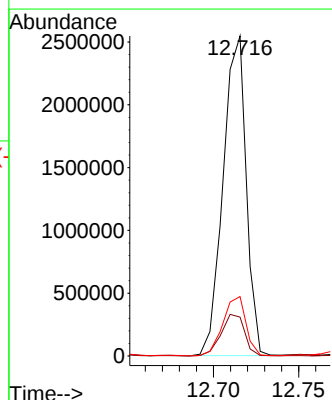
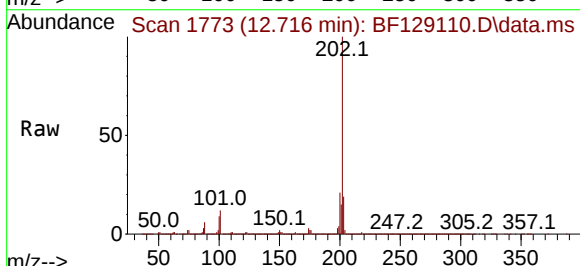
Tgt Ion:202 Resp: 2402454

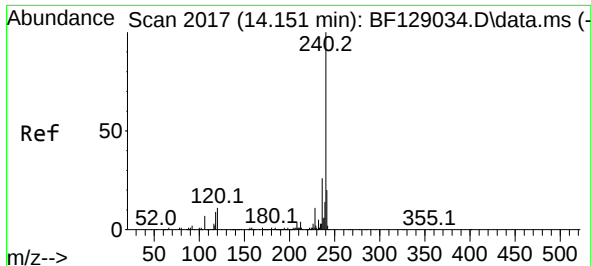
Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.4

203 18.5 0.0 38.0

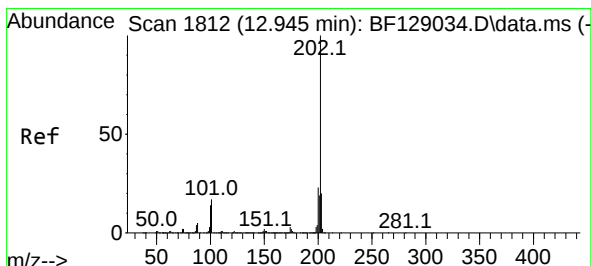
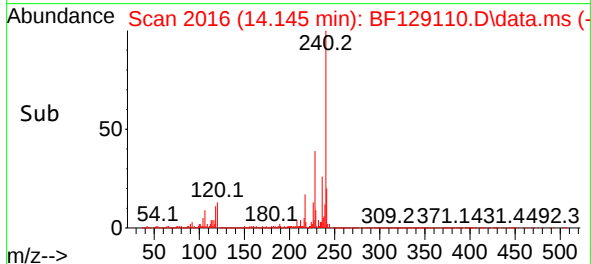
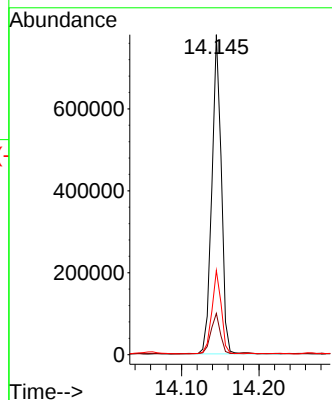
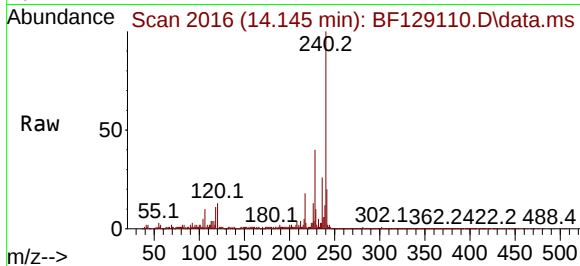




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

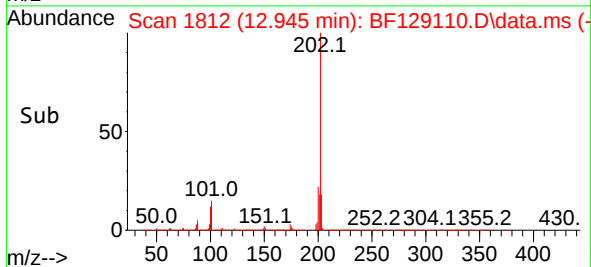
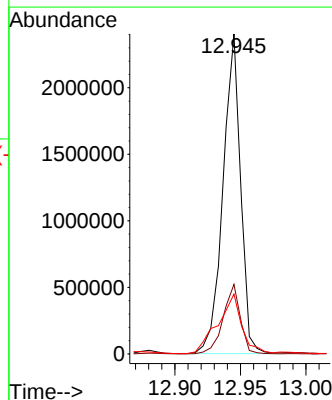
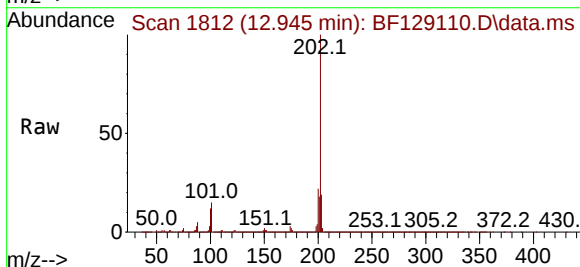
Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

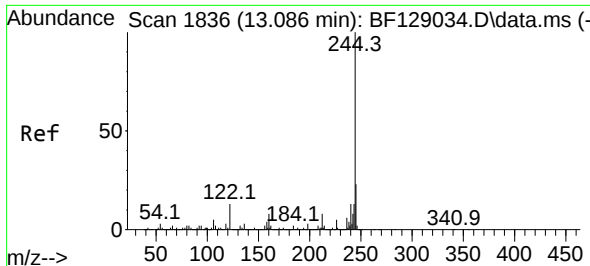
Tgt Ion:240 Resp: 660248
Ion Ratio Lower Upper
240 100
120 12.9 8.9 13.3
236 26.3 20.8 31.2



#78
Pyrene
Concen: 48.851 ng
RT: 12.945 min Scan# 1812
Delta R.T. -0.000 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Tgt Ion:202 Resp: 2235700
Ion Ratio Lower Upper
202 100
200 21.7 17.7 26.5
203 18.7 14.6 21.8

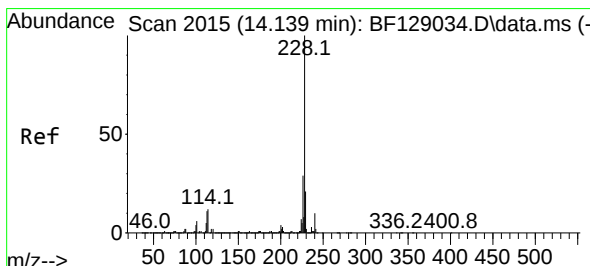
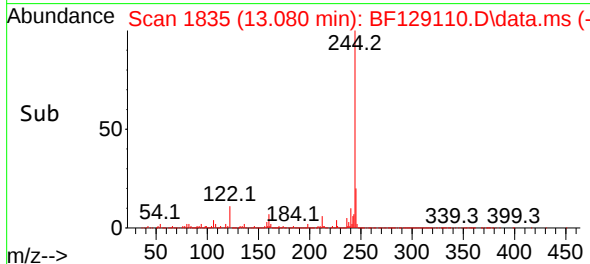
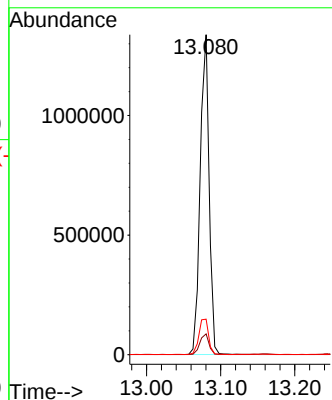
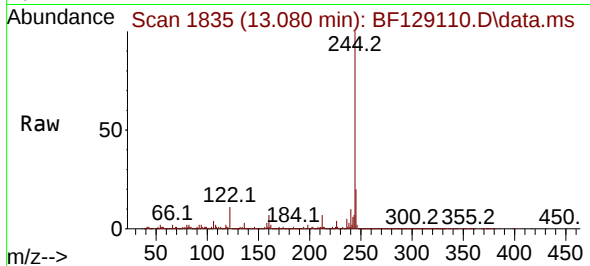




#79
 Terphenyl-d14
 Concen: 34.934 ng
 RT: 13.080 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129110.D
 Acq: 02 Jul 2022 00:30

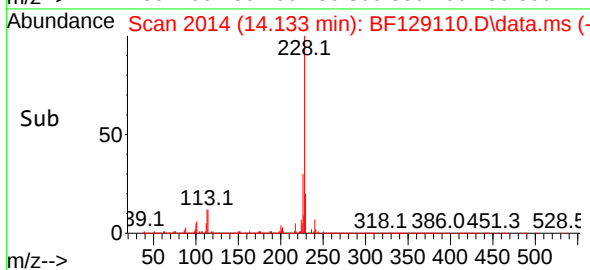
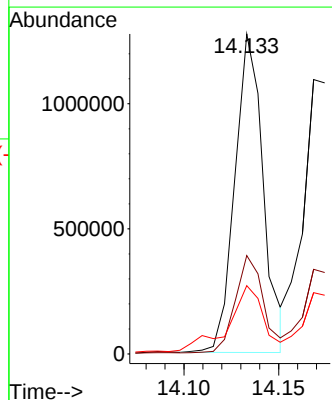
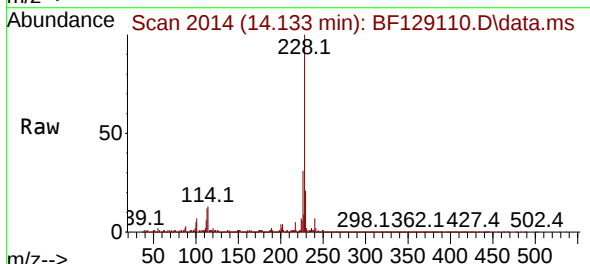
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-062922DL

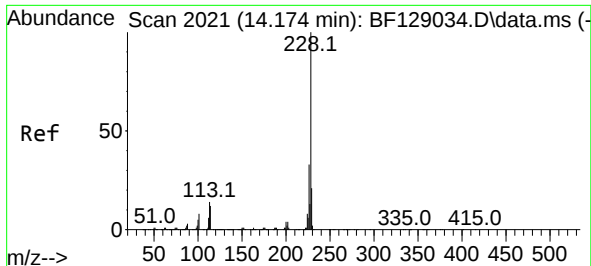
Tgt Ion:244 Resp: 1110687
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.1 9.1
 122 11.1 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 32.877 ng
 RT: 14.133 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF129110.D
 Acq: 02 Jul 2022 00:30

Tgt Ion:228 Resp: 1325405
 Ion Ratio Lower Upper
 228 100
 226 30.7 22.1 33.1
 229 21.3 15.8 23.8

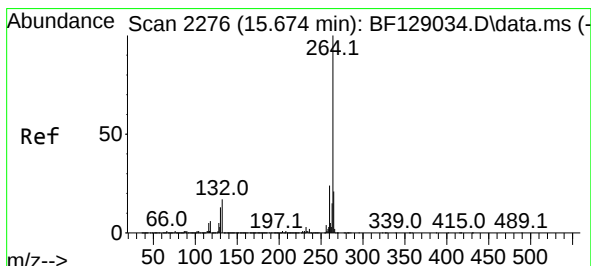
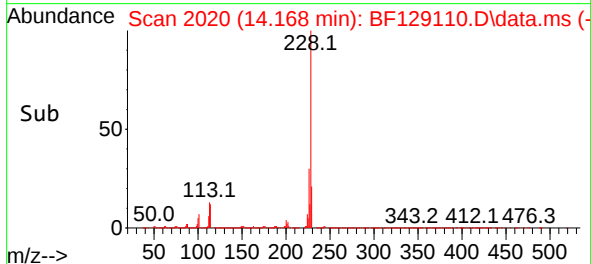
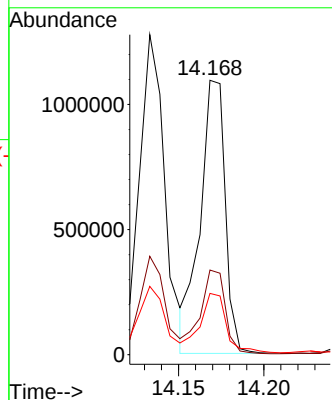
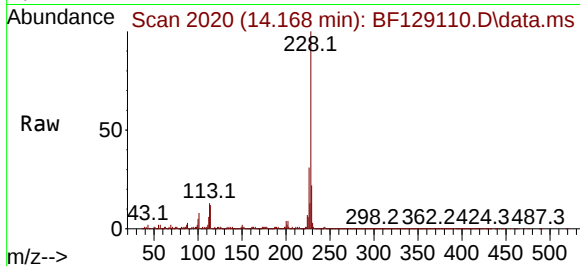




#83
Chrysene
Concen: 29.930 ng
RT: 14.168 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

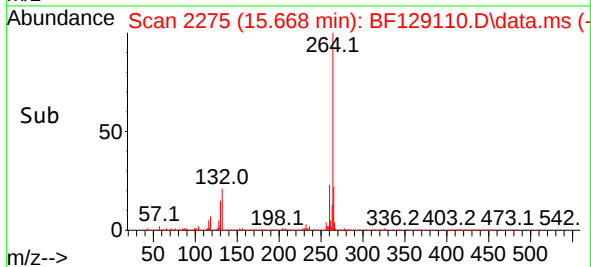
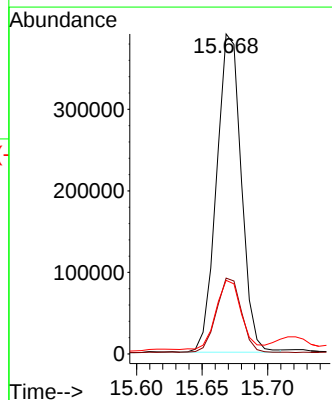
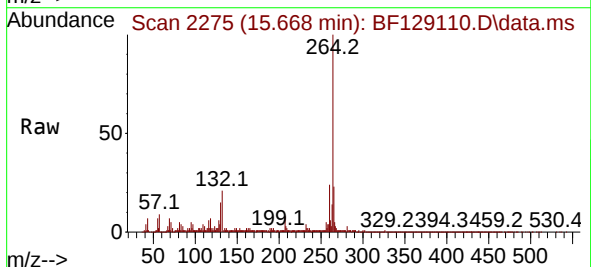
Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

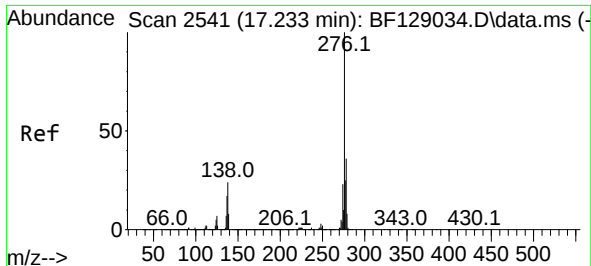
Tgt Ion:228 Resp: 1120143
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 22.3 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.668 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Tgt Ion:264 Resp: 510809
Ion Ratio Lower Upper
264 100
260 23.7 18.4 27.6
265 23.0 17.2 25.8

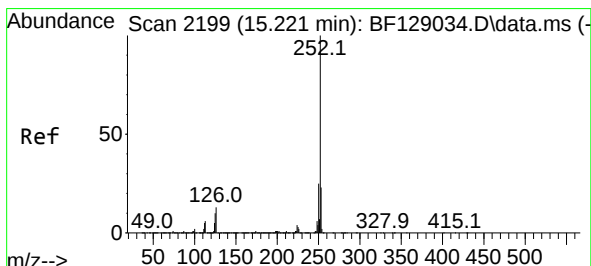
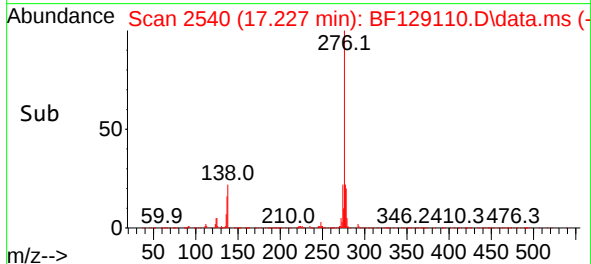
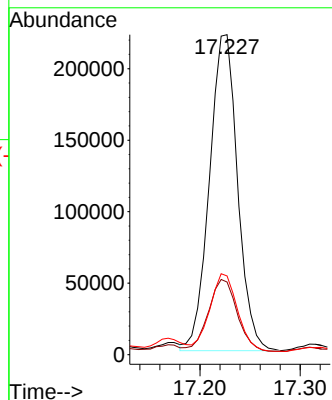
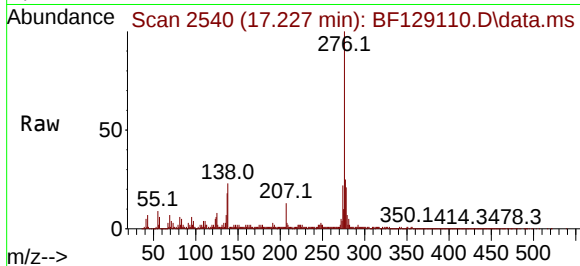




#87
Indeno(1,2,3-cd)pyrene
Concen: 13.782 ng
RT: 17.227 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

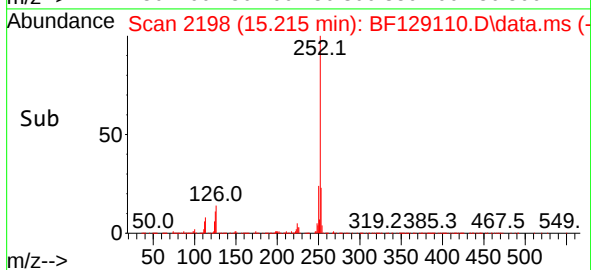
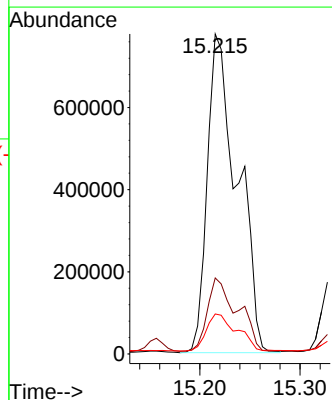
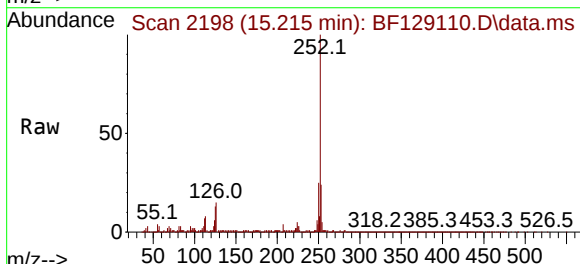
Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

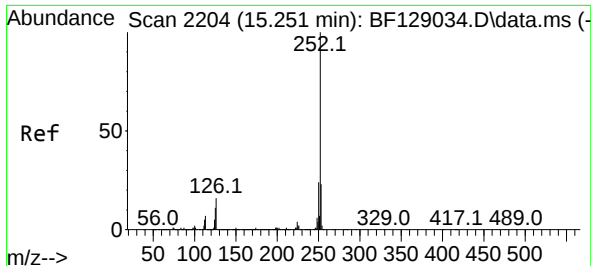
Tgt Ion:276 Resp: 431785
Ion Ratio Lower Upper
276 100
138 23.4 21.1 31.7
277 24.2 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 52.651 ng
RT: 15.215 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Tgt Ion:252 Resp: 1617431
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 12.5 8.0 12.0#

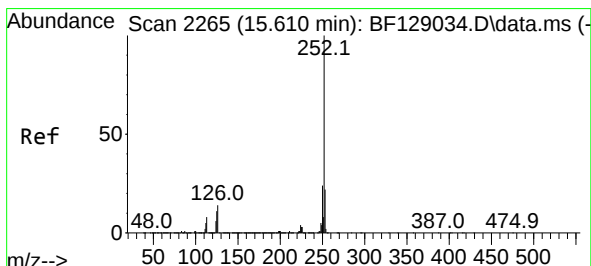
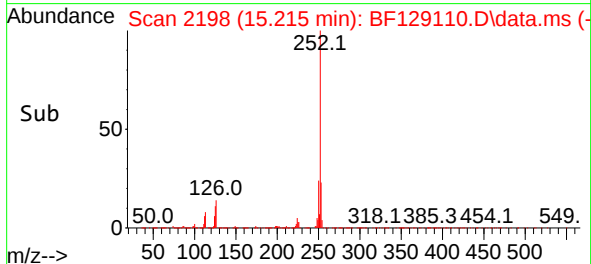
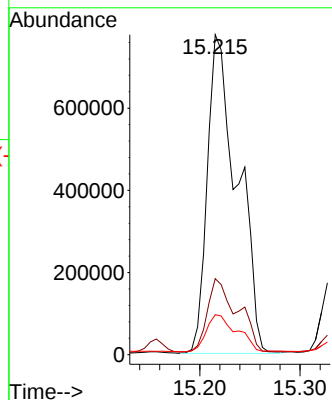
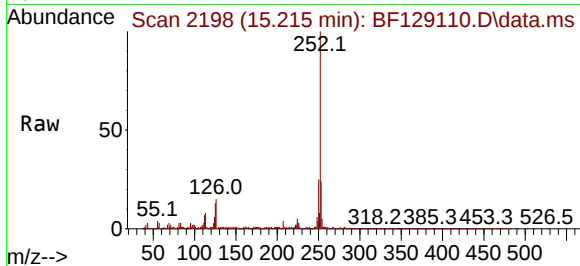




#89
Benzo(k)fluoranthene
Concen: 54.284 ng
RT: 15.215 min Scan# 2119
Delta R.T. -0.035 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

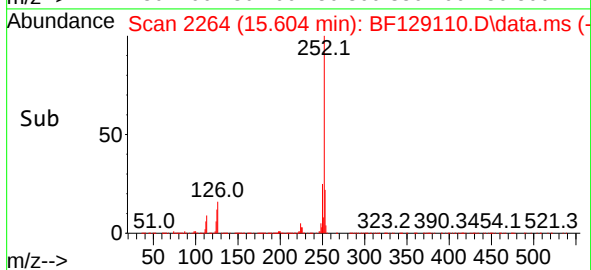
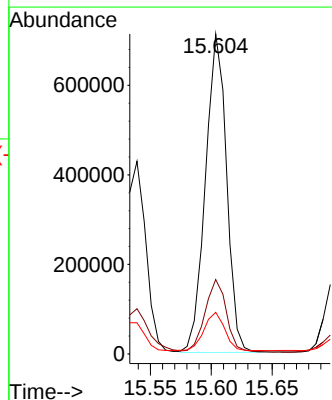
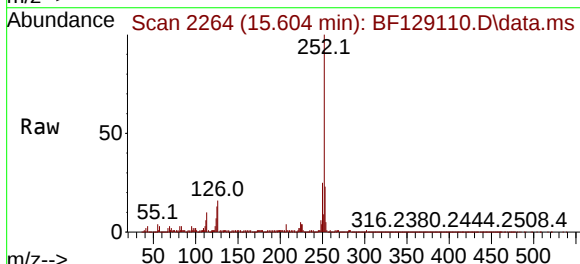
Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

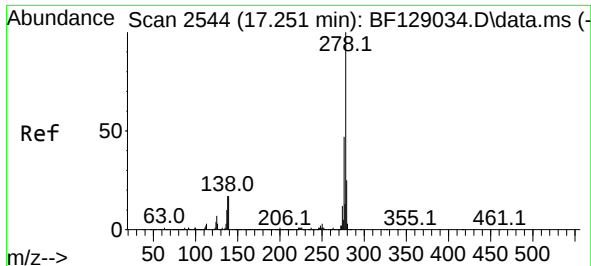
Tgt Ion:252 Resp: 1617431
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 12.5 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 34.420 ng
RT: 15.604 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Tgt Ion:252 Resp: 861984
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 13.0 8.8 13.2

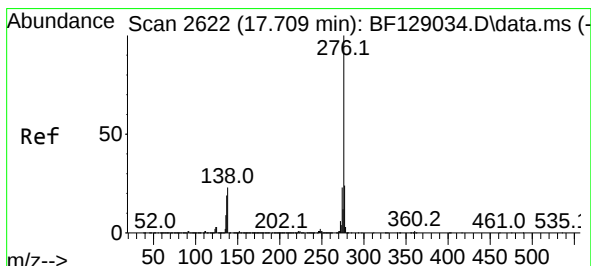
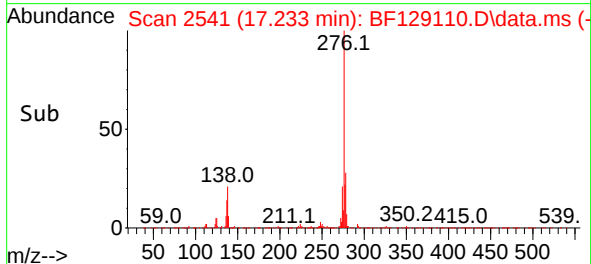
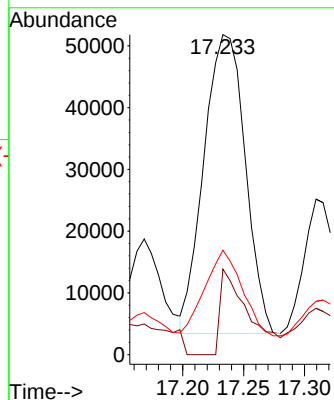
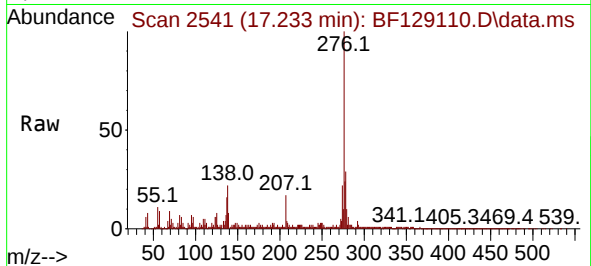




#91
Dibenzo(a,h)anthracene
Concen: 4.472 ng
RT: 17.233 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

Tgt Ion:278 Resp: 114214
Ion Ratio Lower Upper
278 100
139 26.7 12.8 19.2#
279 32.7 18.6 28.0#



#92
Benzo(g,h,i)perylene
Concen: 14.950 ng
RT: 17.698 min Scan# 2620
Delta R.T. -0.012 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Tgt Ion:276 Resp: 383070
Ion Ratio Lower Upper
276 100
277 24.3 19.1 28.7
138 24.9 18.0 27.0

