

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082322\
 Data File : BF129965.D
 Acq On : 23 Aug 2022 22:04
 Operator : CG\JU
 Sample : N4292-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-082222

Quant Time: Aug 24 02:01:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 23 04:41:40 2022
 Response via : Initial Calibration

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

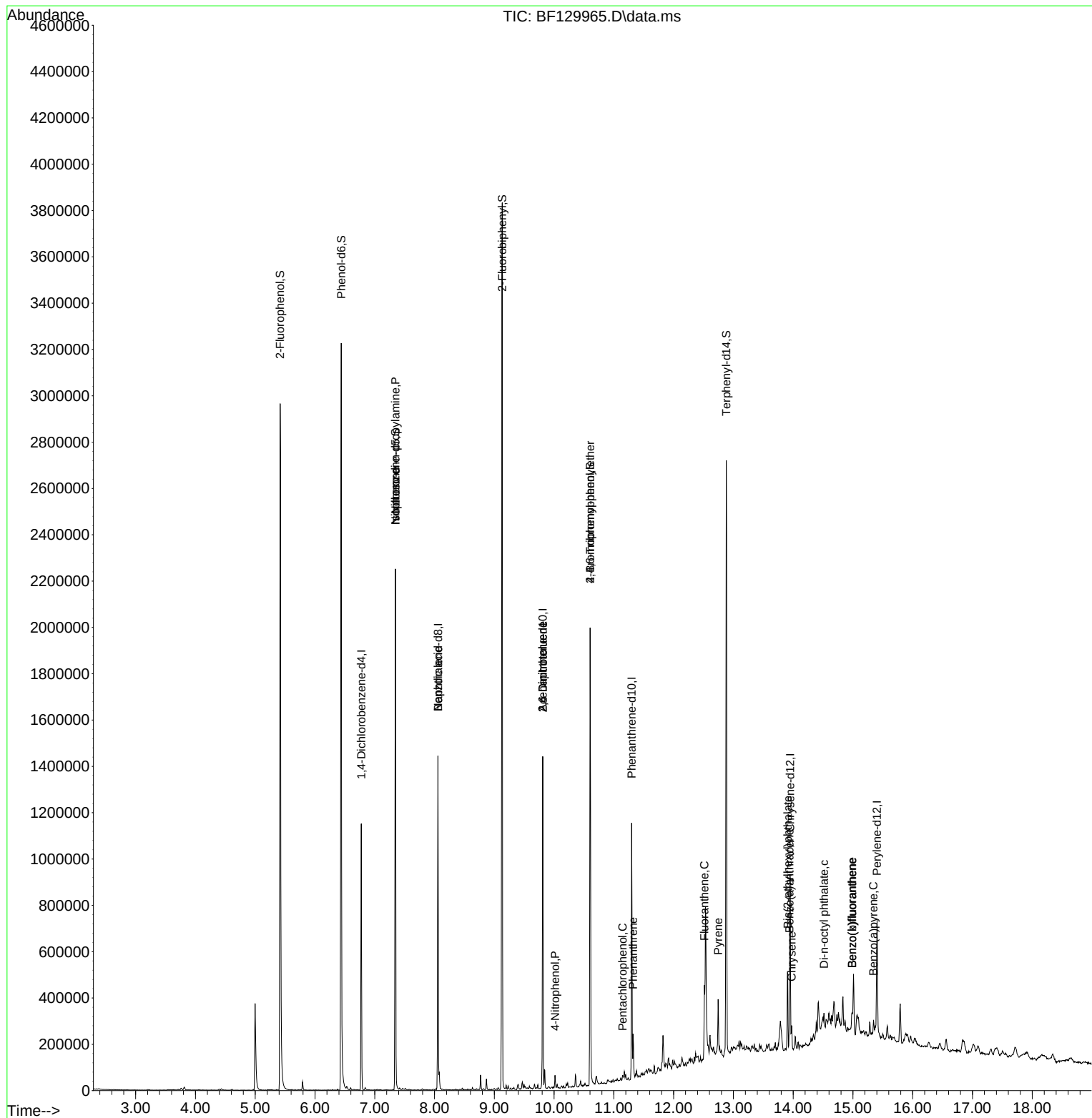
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	150932	20.000	ng	0.00
21) Naphthalene-d8	8.057	136	559133	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	257270	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	346700	20.000	ng	0.00
76) Chrysene-d12	13.951	240	250285	20.000	ng	0.00
86) Perylene-d12	15.404	264	218843	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	855000	93.792	ng	0.00
7) Phenol-d6	6.440	99	1031989	90.401	ng	0.00
23) Nitrobenzene-d5	7.345	82	677812	64.894	ng	0.00
42) 2,4,6-Tribromophenol	10.604	330	200829	77.778	ng	0.00
45) 2-Fluorobiphenyl	9.134	172	1164648	68.756	ng	0.00
79) Terphenyl-d14	12.880	244	854321	56.797	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.293	77	56	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.345	70	91921	12.739	ng	# 76
25) Isophorone	7.345	82	677804	37.704	ng	# 65
32) Benzoic acid	8.057	122	142	2.205	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	33435	8.357	ng	# 23
56) 4-Nitrophenol	10.016	139	7159	3.637	ng	# 8
57) 2,4-Dinitrotoluene	9.810	165	33435	6.438	ng	# 18
67) 4-Bromophenyl-phenylether	10.604	248	12666	3.119	ng	# 1
70) Pentachlorophenol	11.145	266	57	5.222	ng	# 20
71) Phenanthrene	11.322	178	58987	3.046	ng	100
75) Fluoranthene	12.516	202	84378	4.258	ng	99
77) Benzidine	12.880	184	13366	Below Cal	#	93
78) Pyrene	12.745	202	81978	3.769	ng	99
81) Benzo(a)anthracene	13.939	228	38618	2.243	ng	100
83) Chrysene	13.974	228	34242	2.125	ng	97
84) Bis(2-ethylhexyl)phtha...	13.910	149	98617	9.032	ng	98
85) Di-n-octyl phthalate	14.516	149	42913	2.847	ng	# 19
88) Benzo(b)fluoranthene	14.986	252	72984	4.870	ng	# 96
89) Benzo(k)fluoranthene	14.986	252	72984	5.079	ng	# 95
90) Benzo(a)pyrene	15.345	252	32365	2.743	ng	# 94

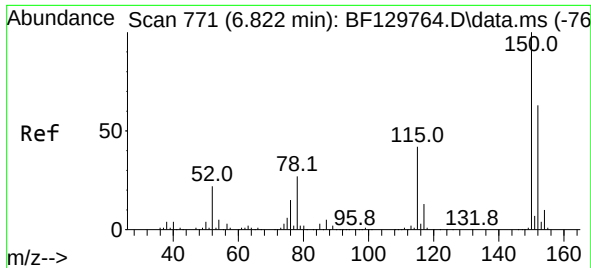
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 23 04:41:40 2022
Response via : Initial Calibration

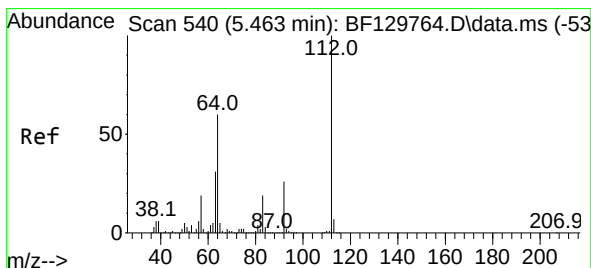
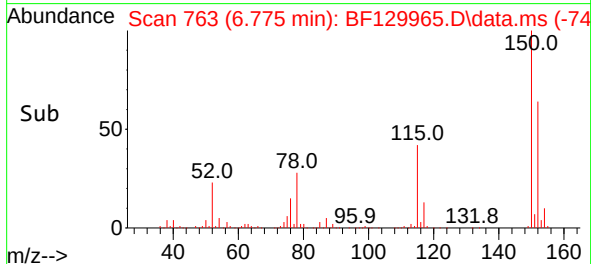
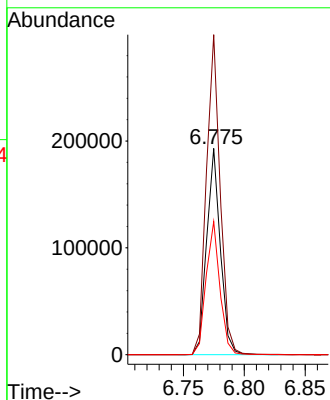
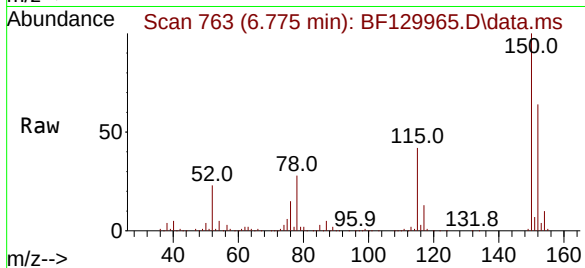




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.775 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: BF129965.D
 Acq: 23 Aug 2022 22:04

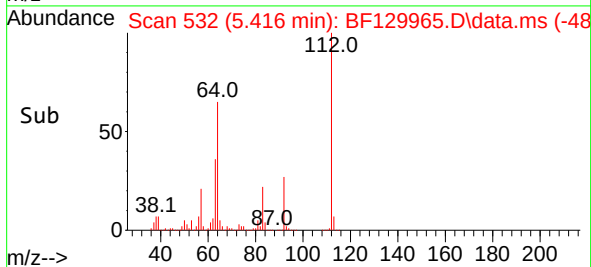
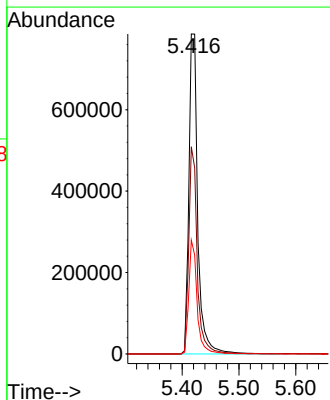
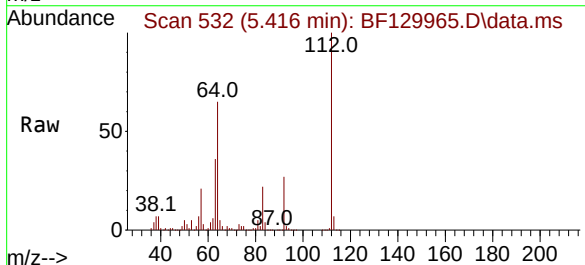
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 BNA_F
 ClientSampleId :
 TR-04-082222

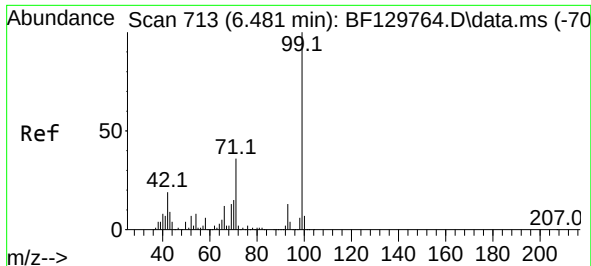
Tgt Ion:152 Resp: 150932
 Ion Ratio Lower Upper
 152 100
 150 155.2 126.9 190.3
 115 64.6 53.4 80.0



#5
 2-Fluorophenol
 Concen: 93.792 ng
 RT: 5.416 min Scan# 532
 Delta R.T. 0.006 min
 Lab File: BF129965.D
 Acq: 23 Aug 2022 22:04

Tgt Ion:112 Resp: 855000
 Ion Ratio Lower Upper
 112 100
 64 64.8 47.6 71.4
 63 35.6 24.6 37.0

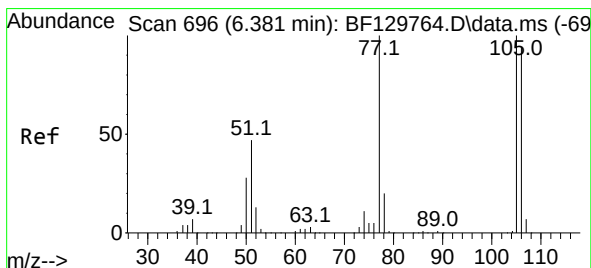
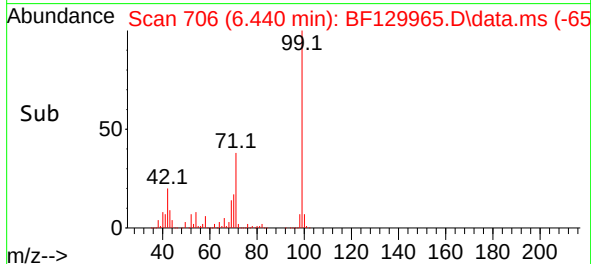
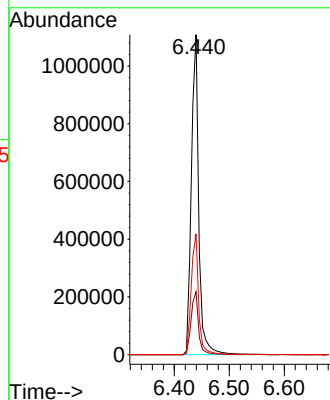
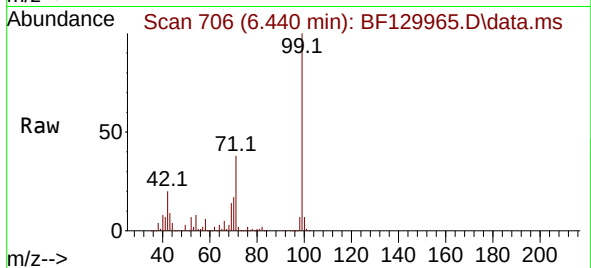




#7
Phenol-d6
Concen: 90.401 ng
RT: 6.440 min Scan# 70
Delta R.T. 0.006 min
Lab File: BF129965.D
Acq: 23 Aug 2022 22:04

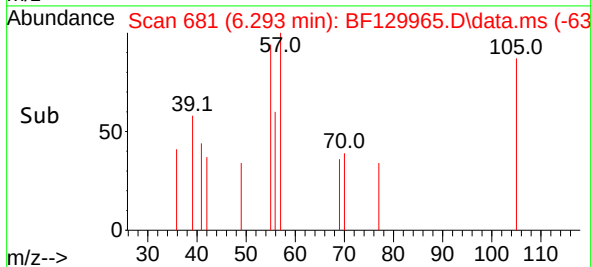
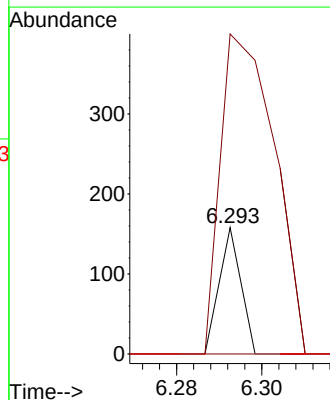
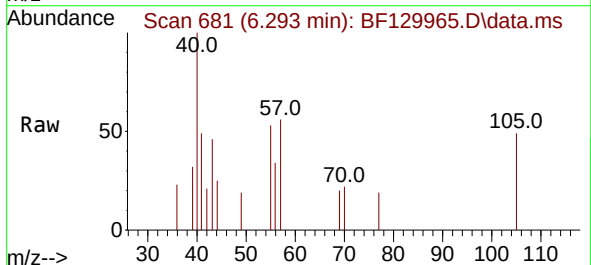
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ClientSampleId :
TR-04-082222

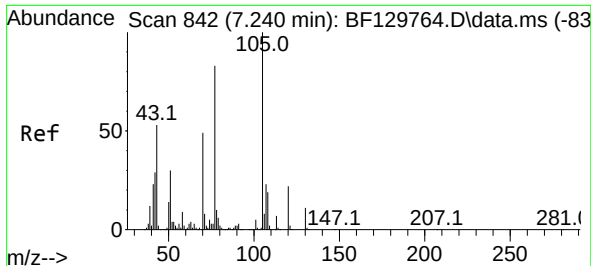
Tgt Ion: 99 Resp: 1031989
Ion Ratio Lower Upper
99 100
42 19.7 15.0 22.4
71 37.7 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.293 min Scan# 681
Delta R.T. -0.041 min
Lab File: BF129965.D
Acq: 23 Aug 2022 22:04

Tgt Ion: 77 Resp: 56
Ion Ratio Lower Upper
77 100
105 253.2 80.3 120.3#
106 0.0 74.3 114.3#

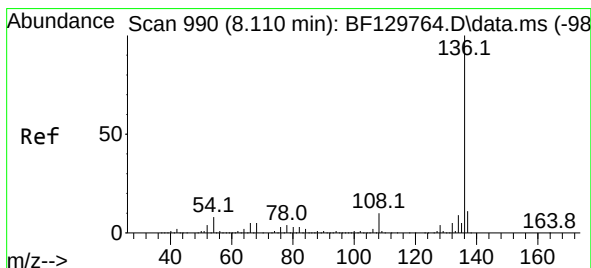
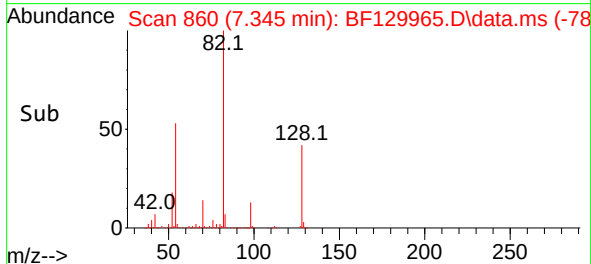
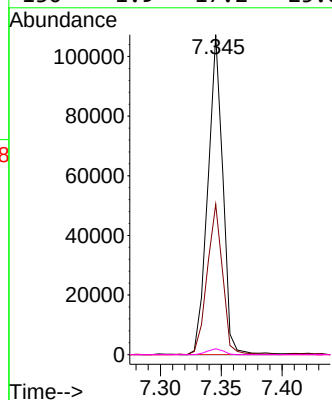
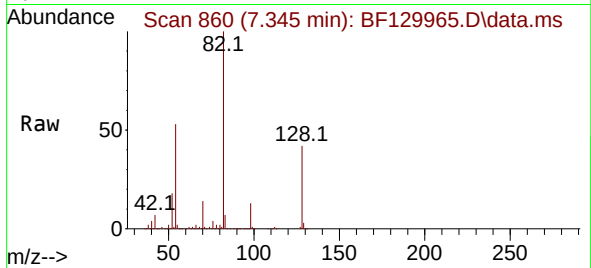




#19
n-Nitroso-di-n-propylamine
Concen: 12.739 ng
RT: 7.345 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129965.D
Acq: 23 Aug 2022 22:04

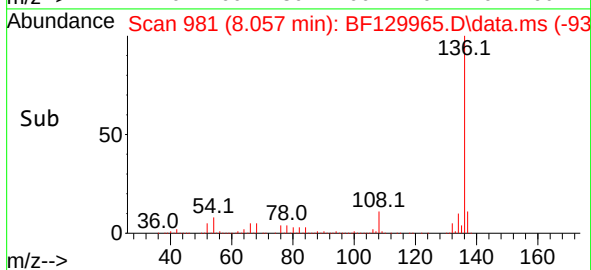
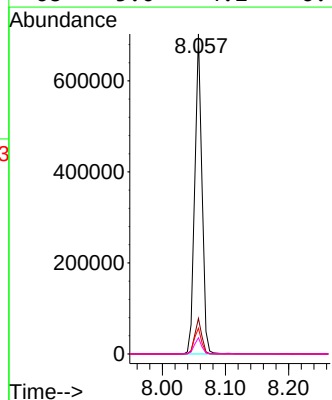
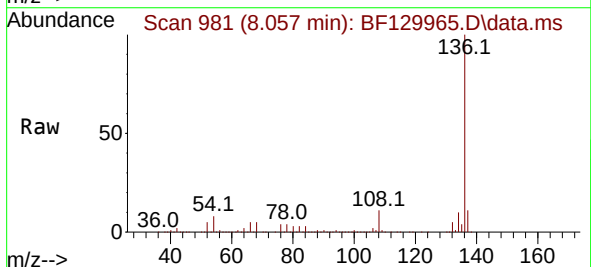
Instrument :
BNA_F
ClientSampleId :
TR-04-082222

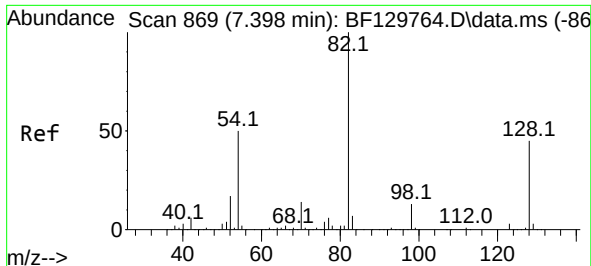
Tgt Ion: 70 Resp: 91921
Ion Ratio Lower Upper
70 100
42 47.0 47.6 71.4#
101 0.0 8.1 12.1#
130 1.9 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF129965.D
Acq: 23 Aug 2022 22:04

Tgt Ion: 136 Resp: 559133
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.1 6.2 9.2
68 5.0 4.2 6.4





#23
Nitrobenzene-d5
Concen: 64.894 ng
RT: 7.345 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF129965.D
Acq: 23 Aug 2022 22:04

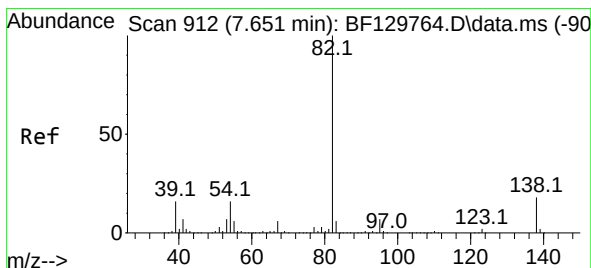
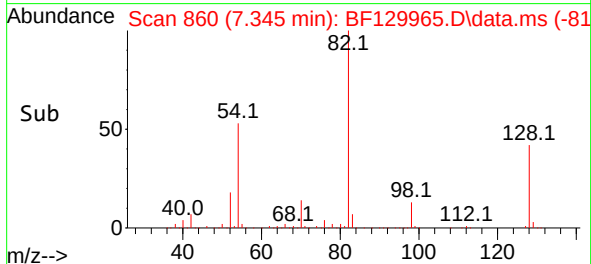
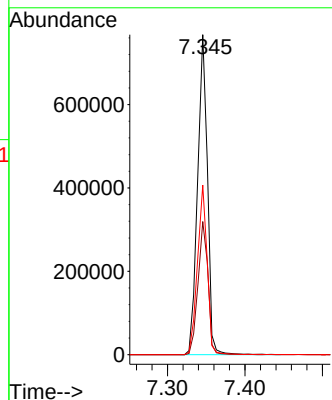
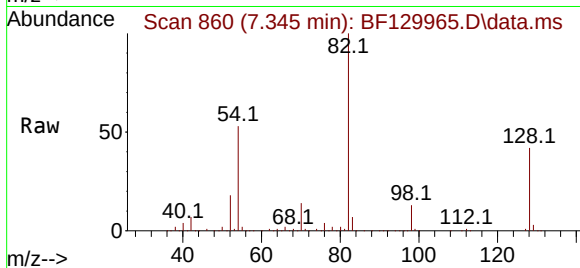
Instrument :

BNA_F

ClientSampleId :

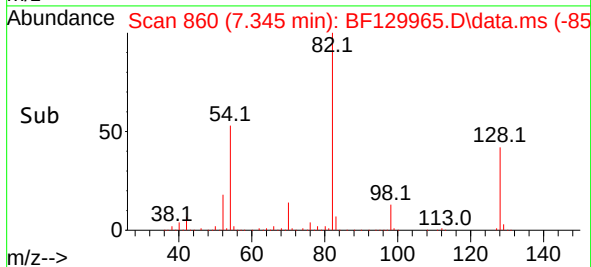
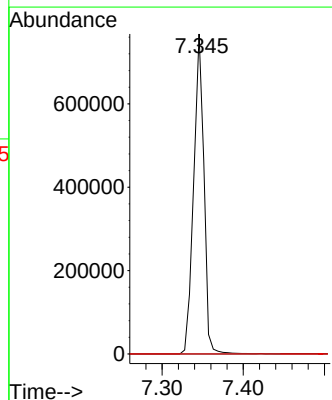
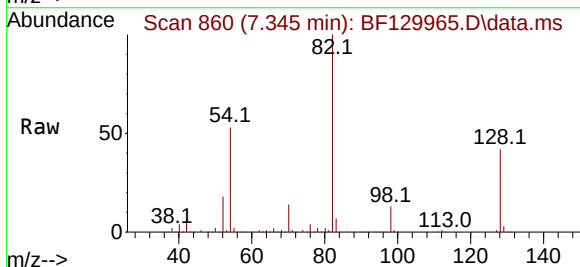
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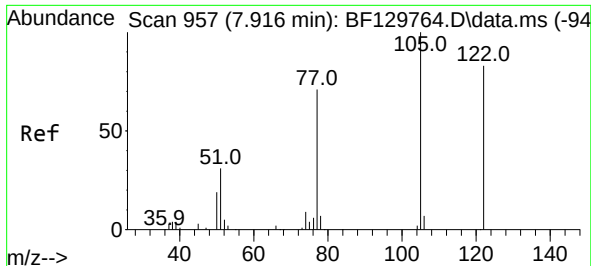
Tgt Ion: 82 Resp: 677812
Ion Ratio Lower Upper
82 100
128 41.6 36.1 54.1
54 53.0 40.0 60.0



#25
Isophorone
Concen: 37.704 ng
RT: 7.345 min Scan# 860
Delta R.T. -0.259 min
Lab File: BF129965.D
Acq: 23 Aug 2022 22:04

Tgt Ion: 82 Resp: 677804
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

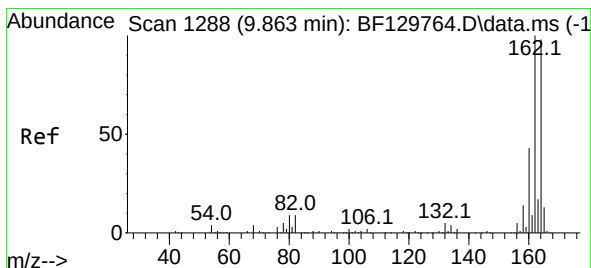
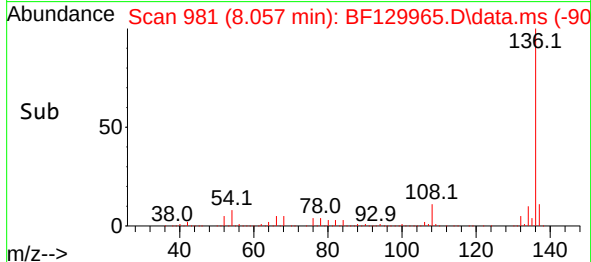
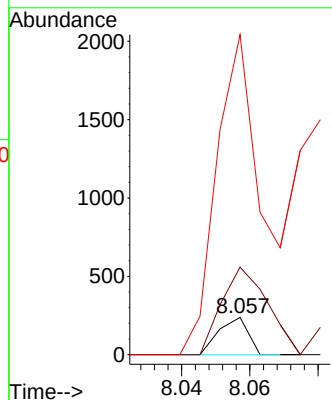
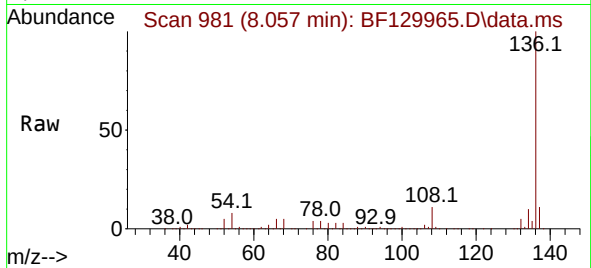




#32
Benzoic acid
Concen: 2.205 ng
RT: 8.057 min Scan# 91
Delta R.T. 0.177 min
Lab File: BF129965.D
Acq: 23 Aug 2022 22:04

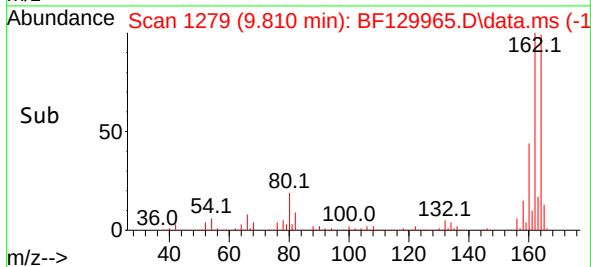
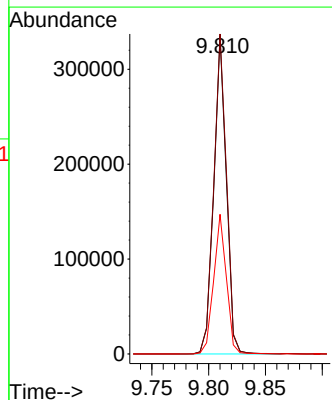
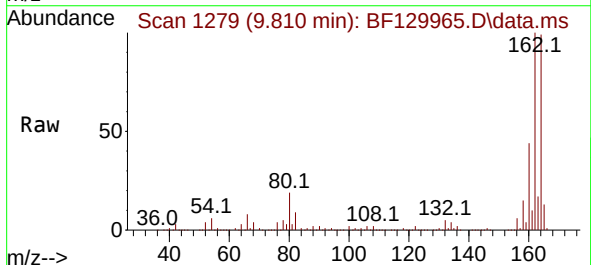
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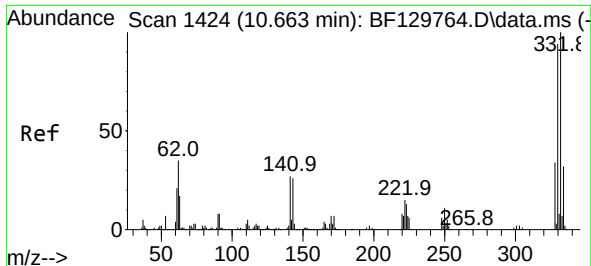
Tgt Ion:122 Resp: 142
Ion Ratio Lower Upper
122 100
105 234.9 99.9 139.9#
77 858.0 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF129965.D
Acq: 23 Aug 2022 22:04

Tgt Ion:164 Resp: 257270
Ion Ratio Lower Upper
164 100
162 100.7 82.0 123.0
160 44.0 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 77.778 ng

RT: 10.604 min Scan# 1414

Delta R.T. -0.006 min

Lab File: BF129965.D

Acq: 23 Aug 2022 22:04

Instrument :

BNA_F

ClientSampleId :

TR-04-082222

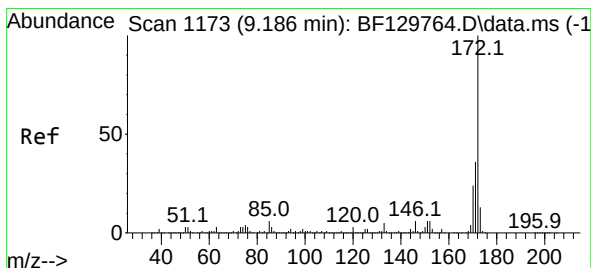
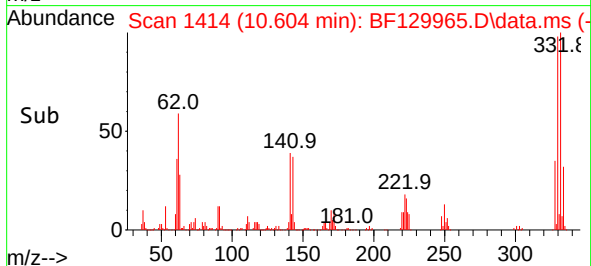
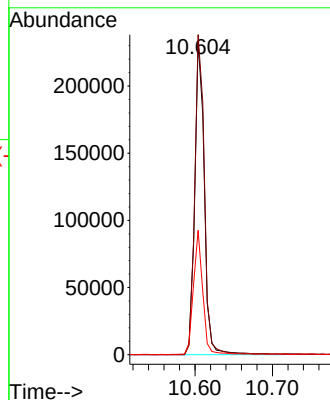
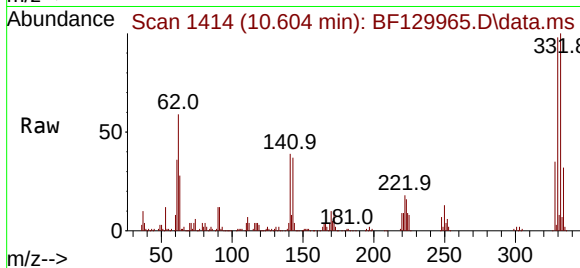
Tgt Ion:330 Resp: 200829

Ion Ratio Lower Upper

330 100

332 102.9 82.6 124.0

141 38.9 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 68.756 ng

RT: 9.134 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF129965.D

Acq: 23 Aug 2022 22:04

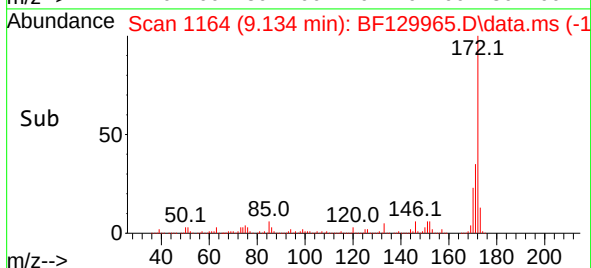
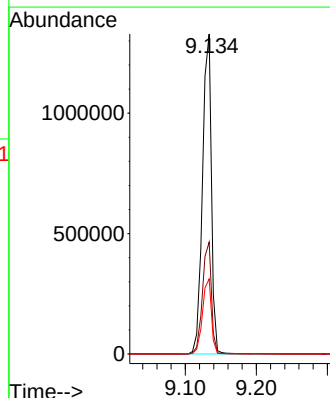
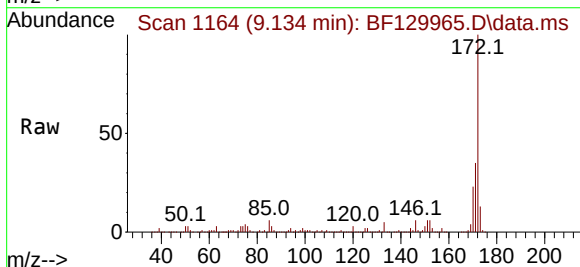
Tgt Ion:172 Resp: 1164648

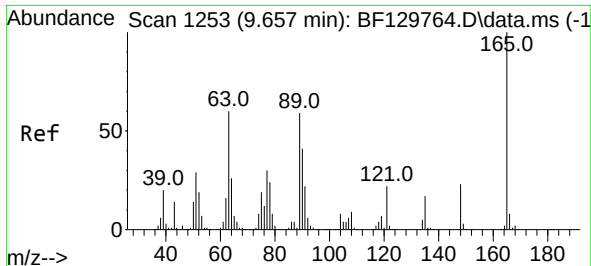
Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.5 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.357 ng

RT: 9.810 min Scan# 1279

Delta R.T. 0.194 min

Lab File: BF129965.D

Acq: 23 Aug 2022 22:04

Instrument :

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ClientSampleId :

TR-04-082222

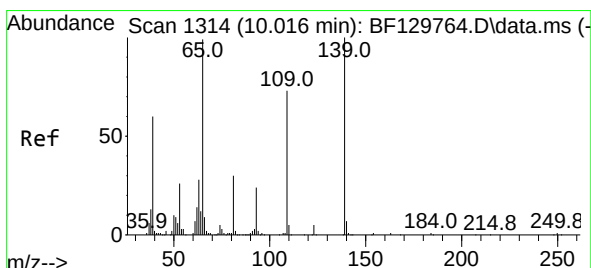
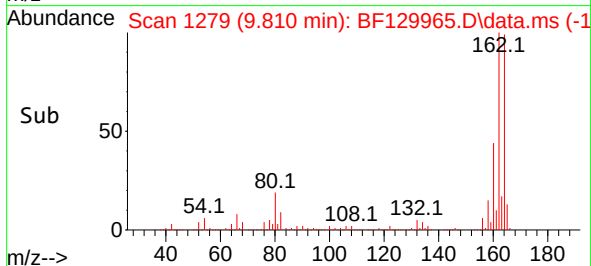
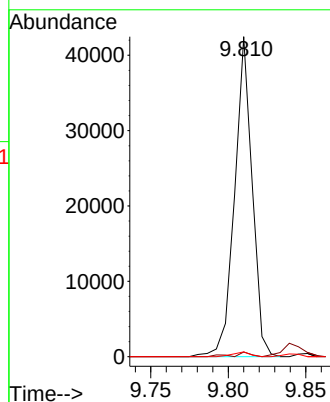
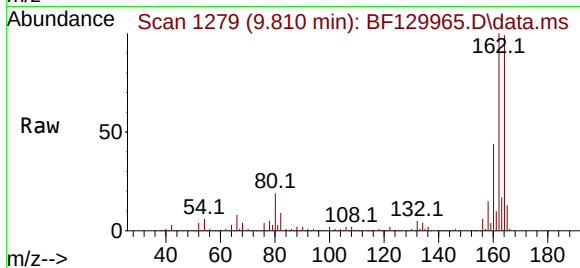
Tgt Ion:165 Resp: 33435

Ion Ratio Lower Upper

165 100

63 1.5 47.8 71.8#

89 1.5 47.2 70.8#



#56

4-Nitrophenol

Concen: 3.637 ng

RT: 10.016 min Scan# 1314

Delta R.T. 0.041 min

Lab File: BF129965.D

Acq: 23 Aug 2022 22:04

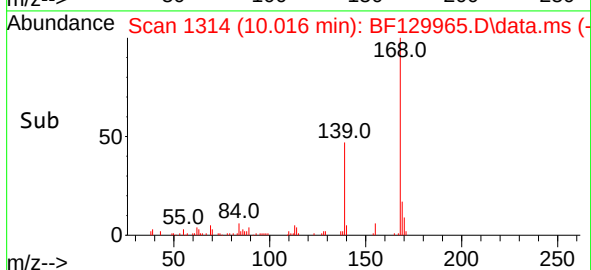
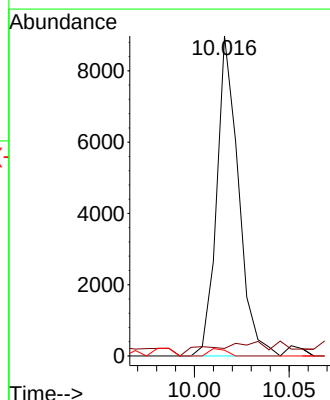
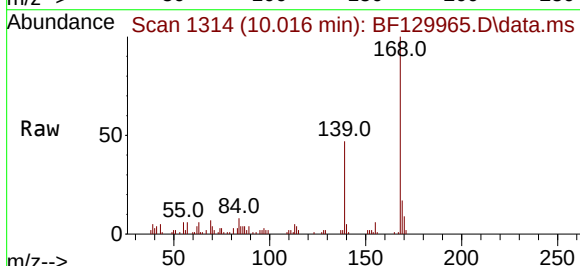
Tgt Ion:139 Resp: 7159

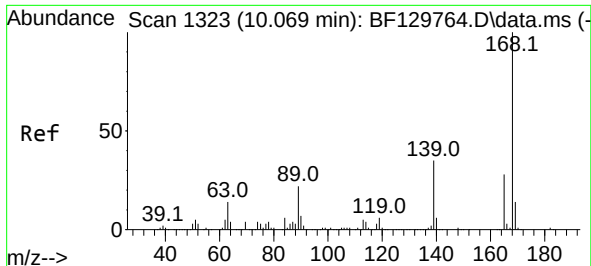
Ion Ratio Lower Upper

139 100

109 2.4 52.9 92.9#

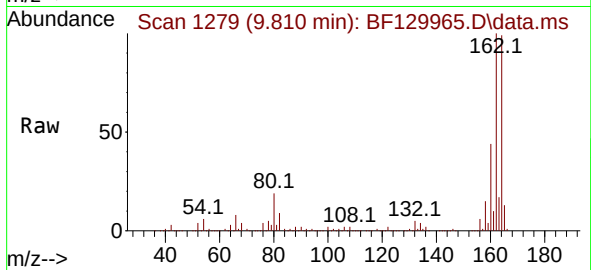
65 1.8 79.5 119.5#



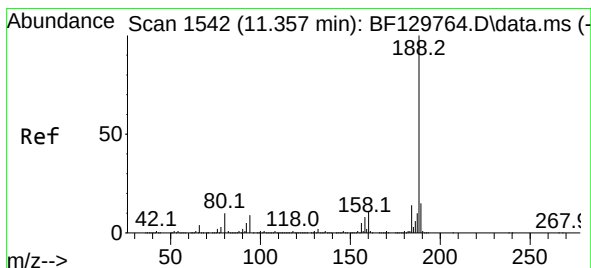
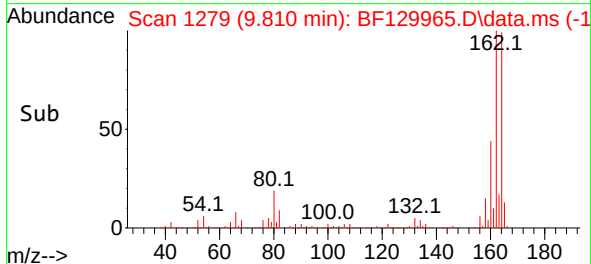
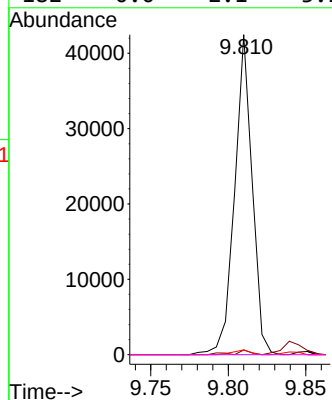


#57
2,4-Dinitrotoluene
Concen: 6.438 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF129965.D
Acq: 23 Aug 2022 22:04

Instrument :
BNA_F
ClientSampleId :
TR-04-082222

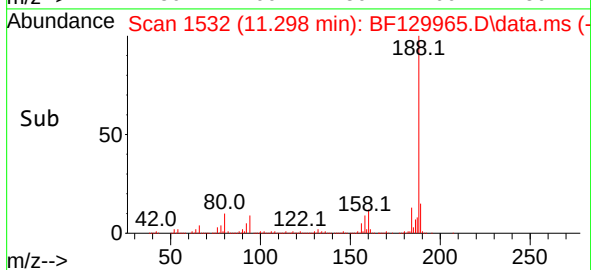
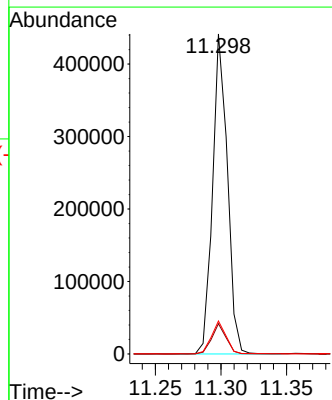
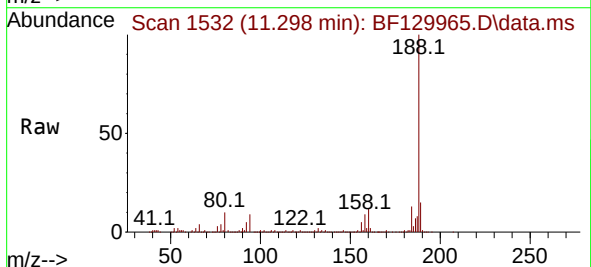


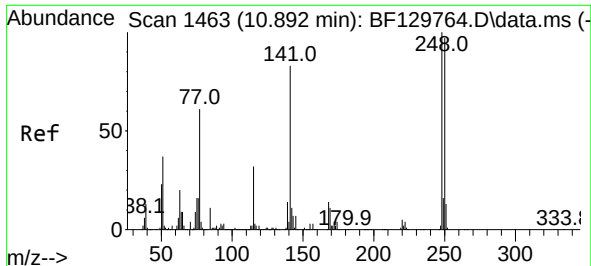
Tgt Ion:165 Resp: 33435
Ion Ratio Lower Upper
165 100
63 1.5 48.4 72.6#
89 1.5 62.3 93.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1532
Delta R.T. -0.006 min
Lab File: BF129965.D
Acq: 23 Aug 2022 22:04

Tgt Ion:188 Resp: 346700
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.2
80 10.3 7.9 11.9

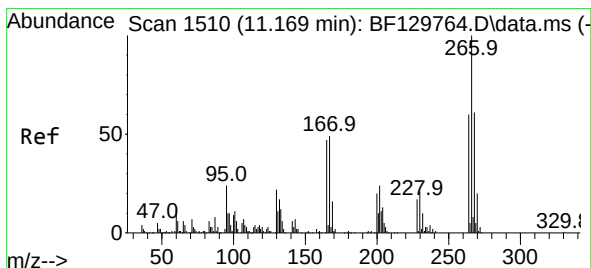
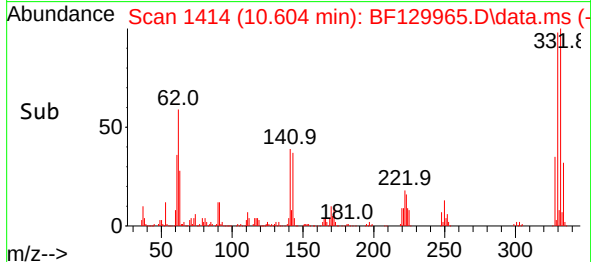
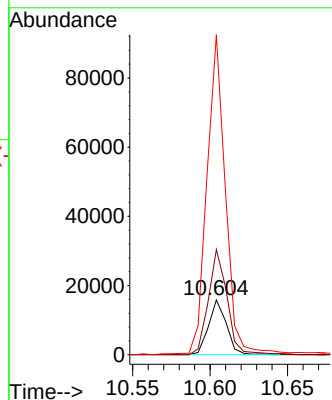
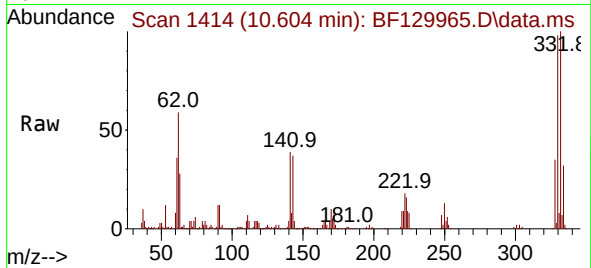




#67
4-Bromophenyl-phenylether
Concen: 3.119 ng
RT: 10.604 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF129965.D
Acq: 23 Aug 2022 22:04

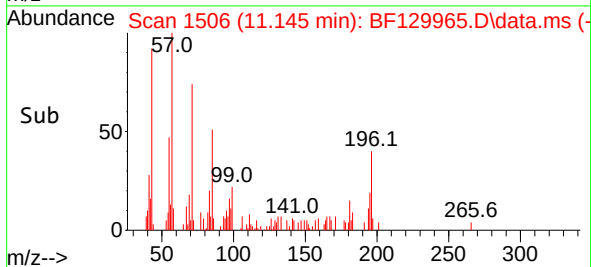
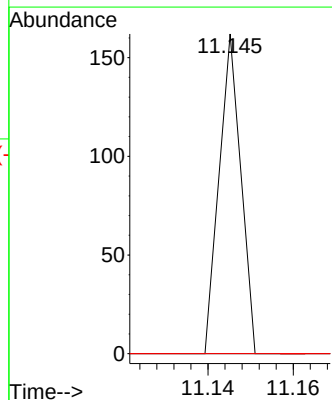
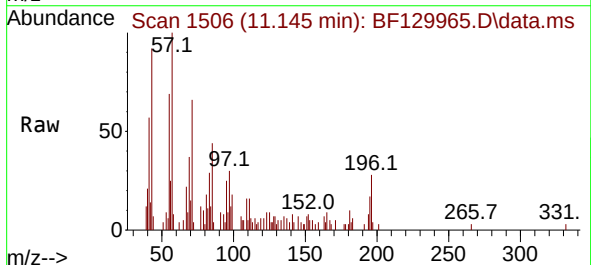
Instrument :
BNA_F
ClientSampleId :
TR-04-082222

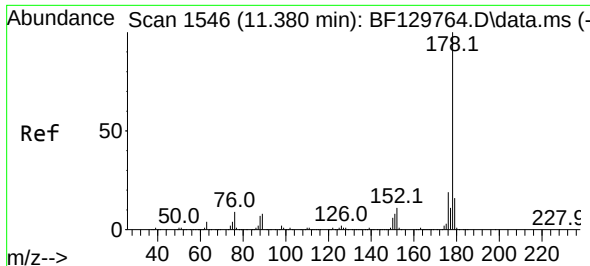
Tgt Ion:248 Resp: 12666
Ion Ratio Lower Upper
248 100
250 192.4 77.8 116.6#
141 585.4 66.2 99.2#



#70
Pentachlorophenol
Concen: 5.222 ng
RT: 11.145 min Scan# 1506
Delta R.T. 0.024 min
Lab File: BF129965.D
Acq: 23 Aug 2022 22:04

Tgt Ion:266 Resp: 57
Ion Ratio Lower Upper
266 100
268 0.0 49.0 73.4#
264 0.0 47.9 71.9#

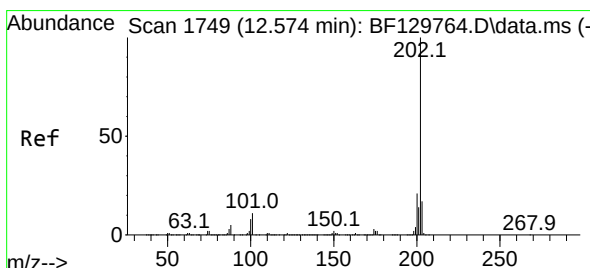
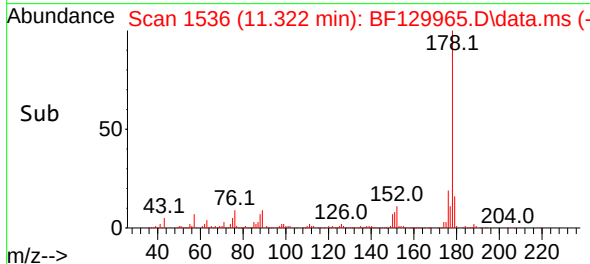
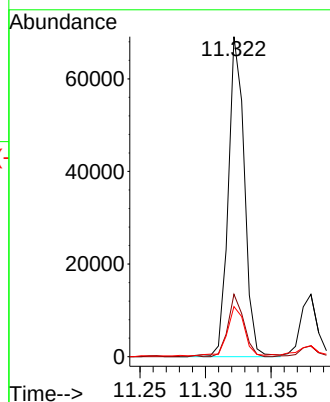
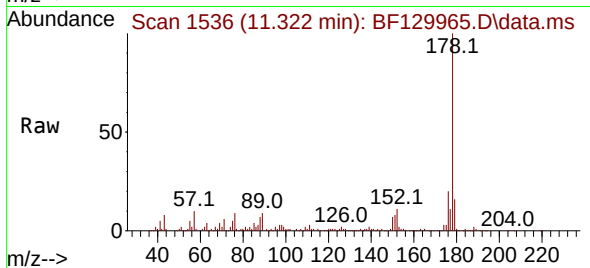




#71
Phenanthrene
Concen: 3.046 ng
RT: 11.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129965.D
Acq: 23 Aug 2022 22:04

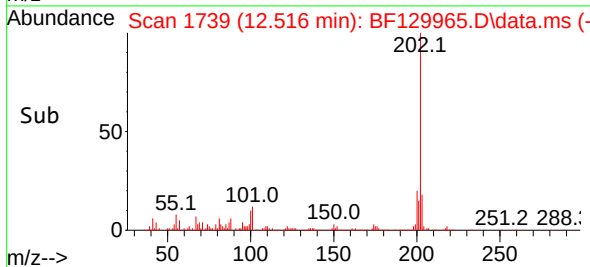
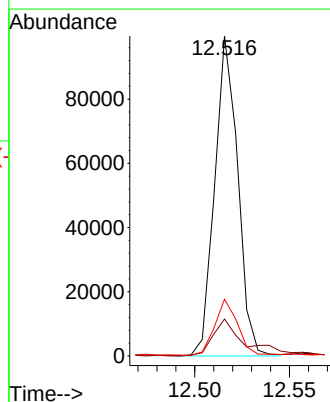
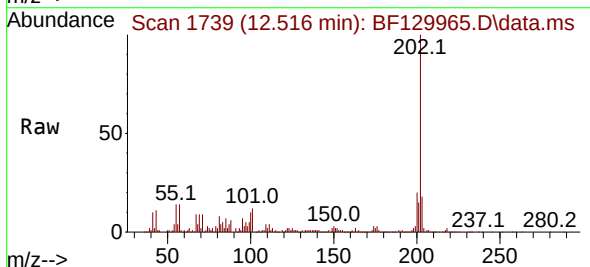
Instrument :
BNA_F
ClientSampleId :
TR-04-082222

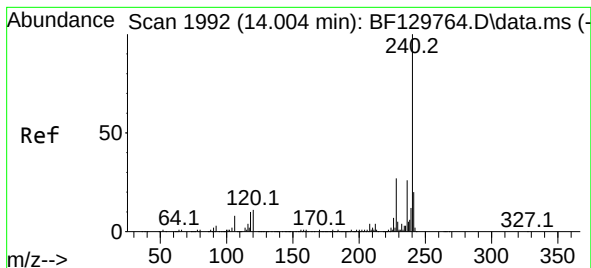
Tgt Ion:178 Resp: 58987
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.7 12.5 18.7



#75
Fluoranthene
Concen: 4.258 ng
RT: 12.516 min Scan# 1739
Delta R.T. -0.006 min
Lab File: BF129965.D
Acq: 23 Aug 2022 22:04

Tgt Ion:202 Resp: 84378
Ion Ratio Lower Upper
202 100
101 11.6 0.0 30.7
203 17.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF129965.D

Acq: 23 Aug 2022 22:04

Instrument :

BNA_F

ClientSampleId :

TR-04-082222

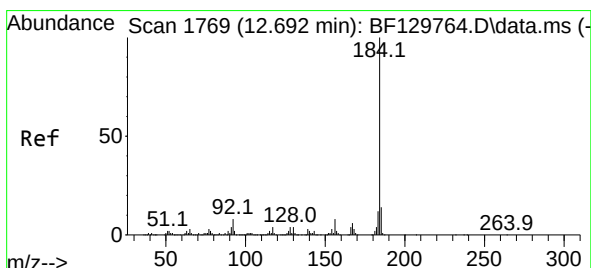
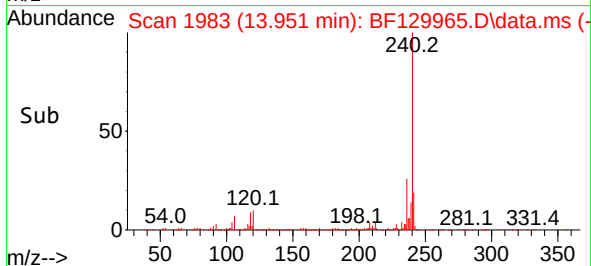
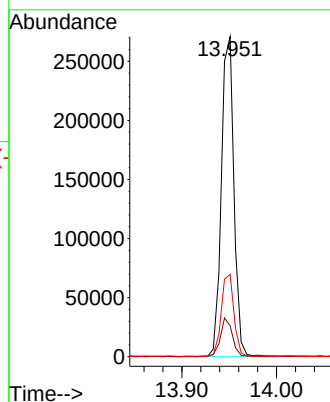
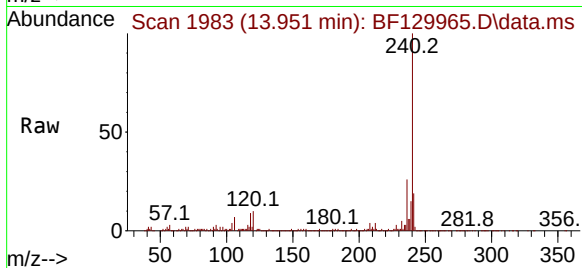
Tgt Ion:240 Resp: 250285

Ion Ratio Lower Upper

240 100

120 9.7 9.2 13.8

236 25.7 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.880 min Scan# 1801

Delta R.T. 0.235 min

Lab File: BF129965.D

Acq: 23 Aug 2022 22:04

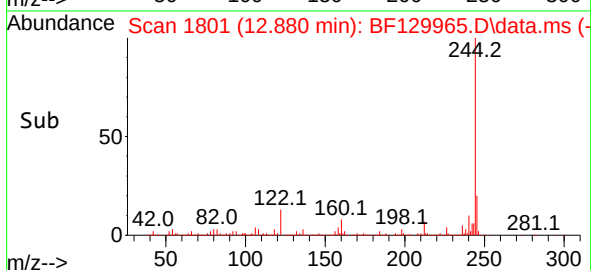
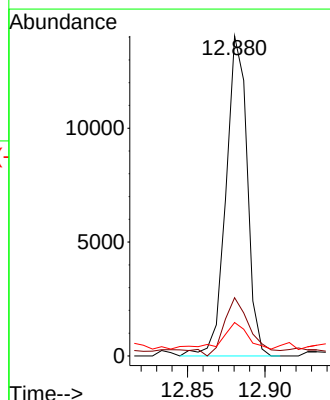
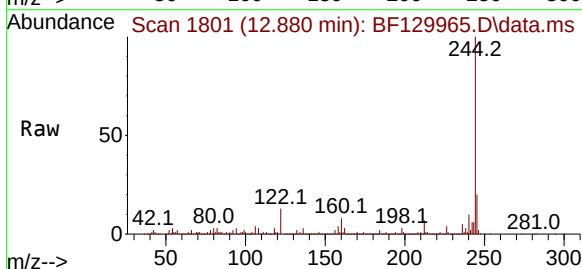
Tgt Ion:184 Resp: 13366

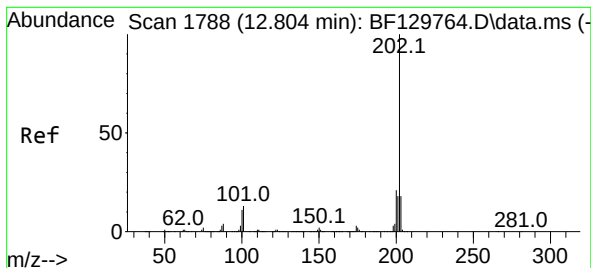
Ion Ratio Lower Upper

184 100

185 18.2 11.4 17.2#

183 10.5 9.4 14.2





#78

Pyrene

Concen: 3.769 ng

RT: 12.745 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129965.D

Acq: 23 Aug 2022 22:04

Instrument :

BNA_F

ClientSampleId :

TR-04-082222

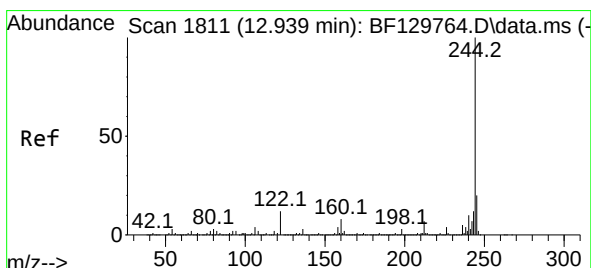
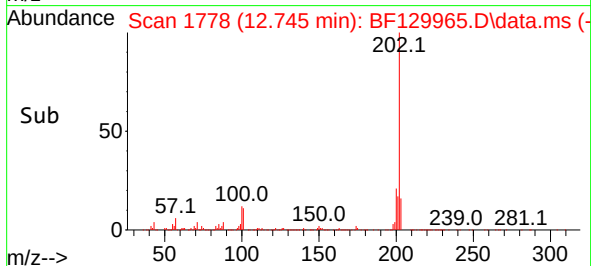
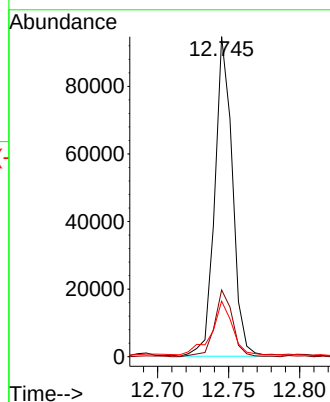
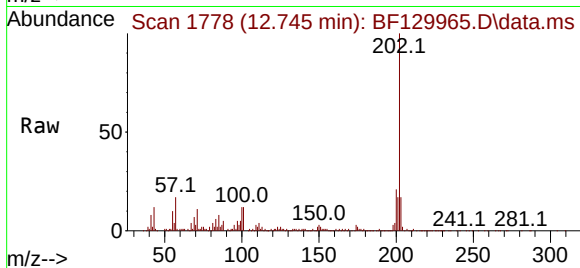
Tgt Ion:202 Resp: 81978

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.6

203 17.4 14.1 21.1



#79

Terphenyl-d14

Concen: 56.797 ng

RT: 12.880 min Scan# 1801

Delta R.T. -0.006 min

Lab File: BF129965.D

Acq: 23 Aug 2022 22:04

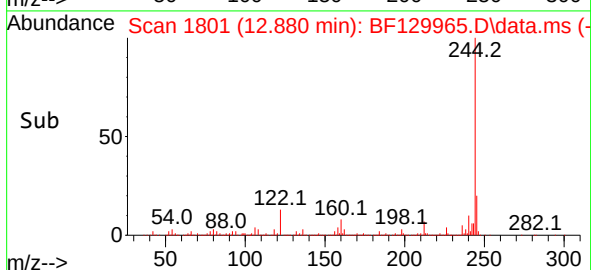
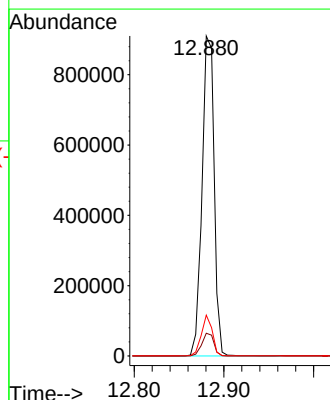
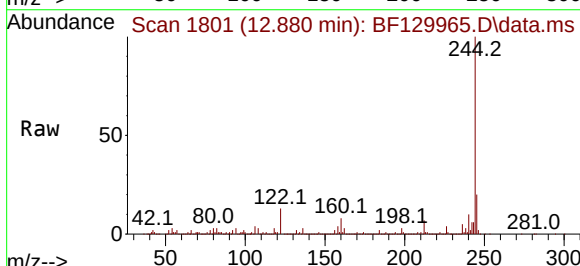
Tgt Ion:244 Resp: 854321

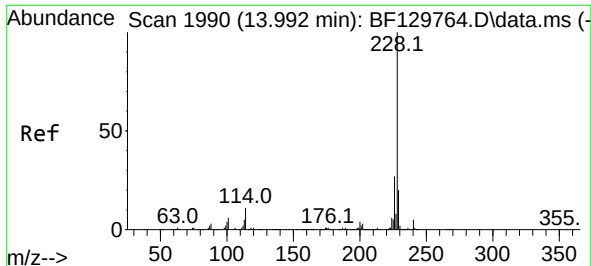
Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

122 12.8 9.9 14.9

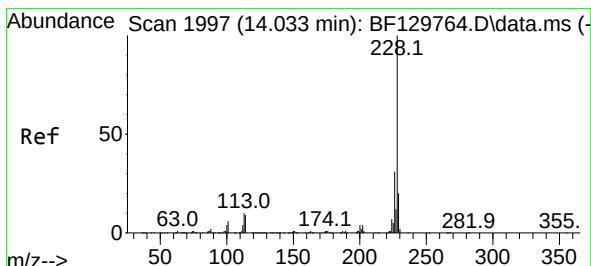
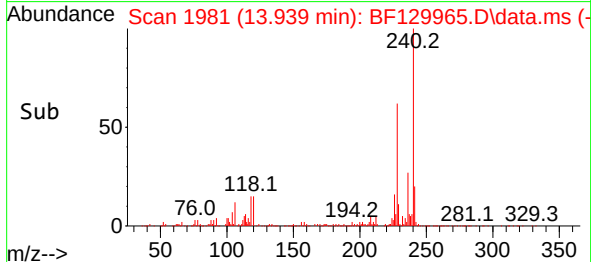
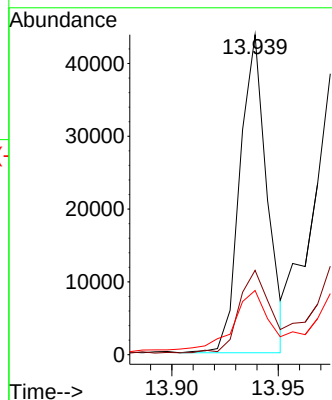
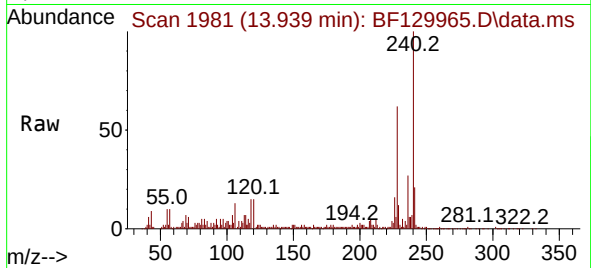




#81
Benzo(a)anthracene
Concen: 2.243 ng
RT: 13.939 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BF129965.D
Acq: 23 Aug 2022 22:04

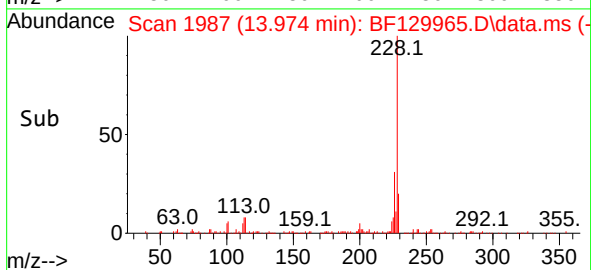
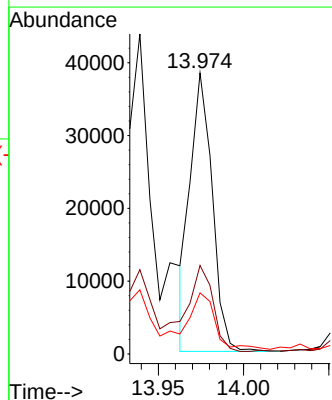
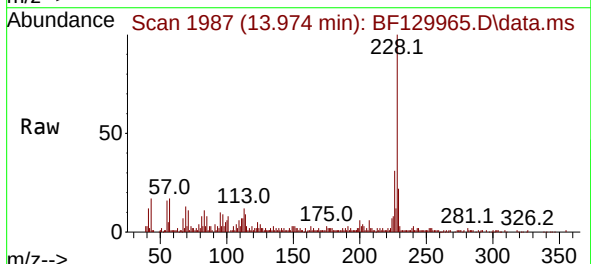
Instrument :
BNA_F
ClientSampleId :
TR-04-082222

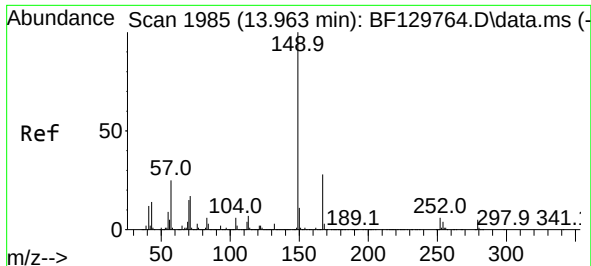
Tgt Ion:228 Resp: 38618
Ion Ratio Lower Upper
228 100
226 26.3 21.4 32.0
229 20.1 16.1 24.1



#83
Chrysene
Concen: 2.125 ng
RT: 13.974 min Scan# 1987
Delta R.T. -0.006 min
Lab File: BF129965.D
Acq: 23 Aug 2022 22:04

Tgt Ion:228 Resp: 34242
Ion Ratio Lower Upper
228 100
226 31.5 24.4 36.6
229 21.8 15.9 23.9

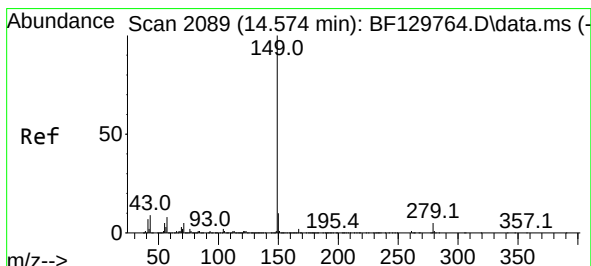
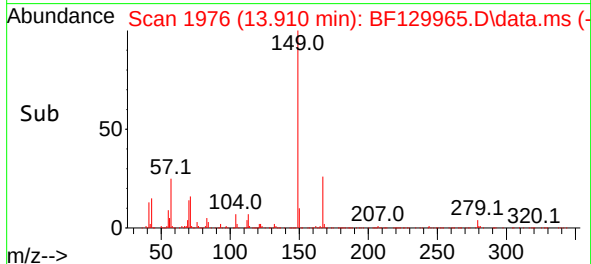
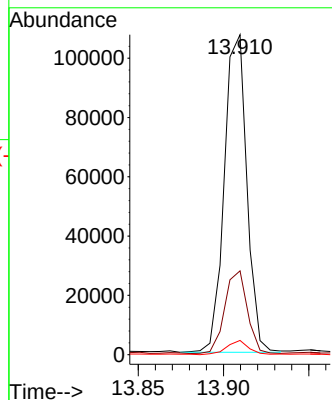
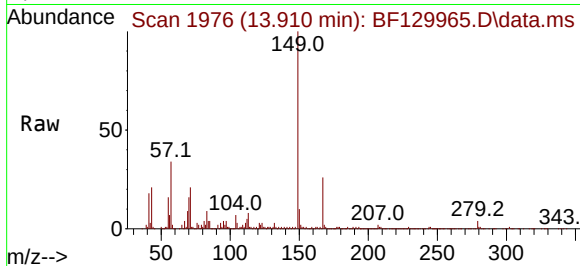




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 9.032 ng
 RT: 13.910 min Scan# 1985
 Delta R.T. 0.000 min
 Lab File: BF129965.D
 Acq: 23 Aug 2022 22:04

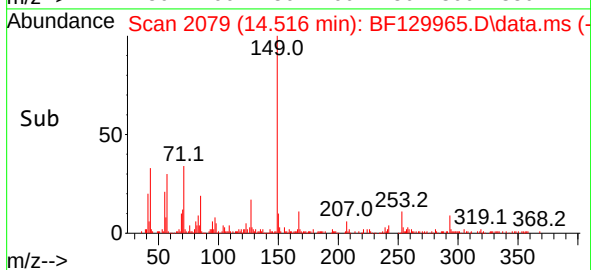
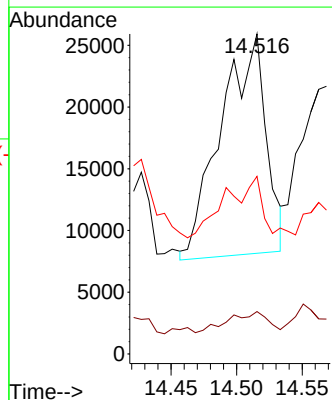
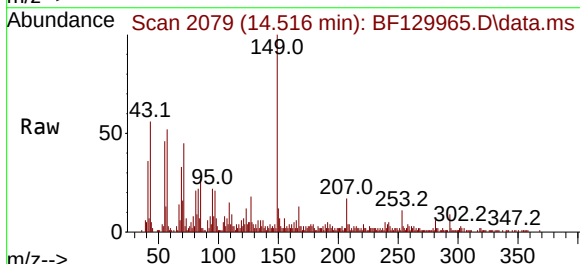
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-082222

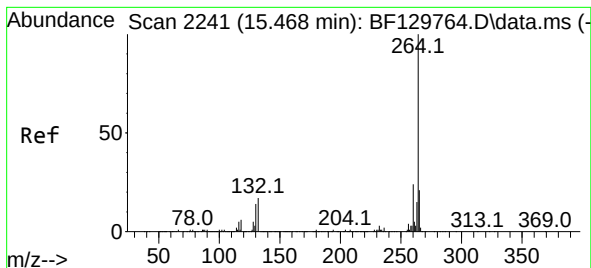
Tgt Ion:149 Resp: 98617
 Ion Ratio Lower Upper
 149 100
 167 26.2 22.0 33.0
 279 4.4 3.6 5.4



#85
 Di-n-octyl phthalate
 Concen: 2.847 ng
 RT: 14.516 min Scan# 2079
 Delta R.T. -0.006 min
 Lab File: BF129965.D
 Acq: 23 Aug 2022 22:04

Tgt Ion:149 Resp: 42913
 Ion Ratio Lower Upper
 149 100
 167 8.4 1.3 1.9#
 43 43.4 7.8 11.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129965.D

Acq: 23 Aug 2022 22:04

Instrument :

BNA_F

ClientSampleId :

TR-04-082222

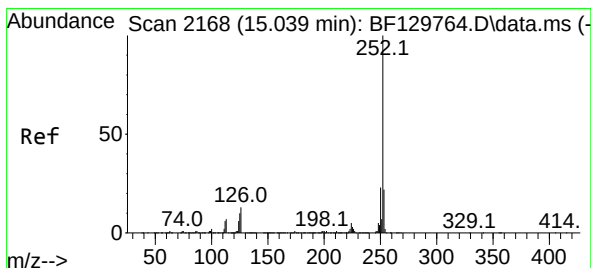
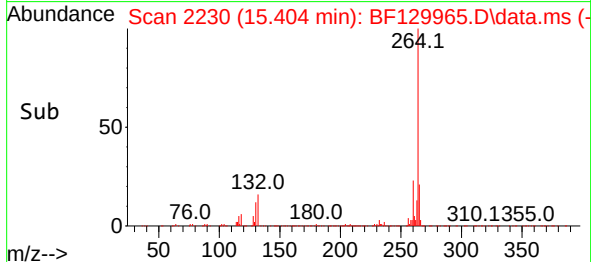
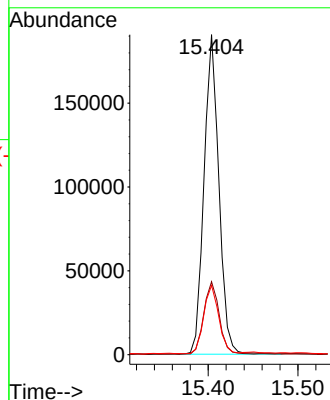
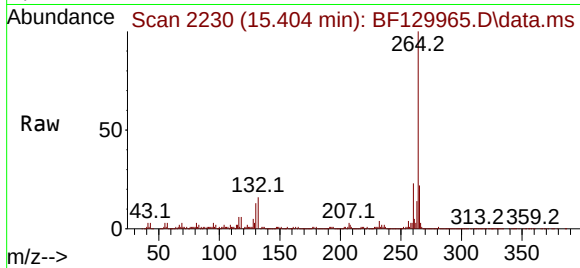
Tgt Ion:264 Resp: 218843

Ion Ratio Lower Upper

264 100

260 22.8 19.1 28.7

265 21.6 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 4.870 ng

RT: 14.986 min Scan# 2159

Delta R.T. 0.006 min

Lab File: BF129965.D

Acq: 23 Aug 2022 22:04

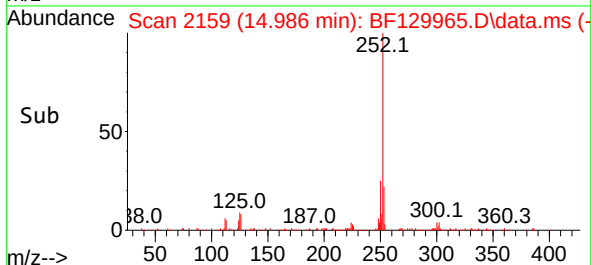
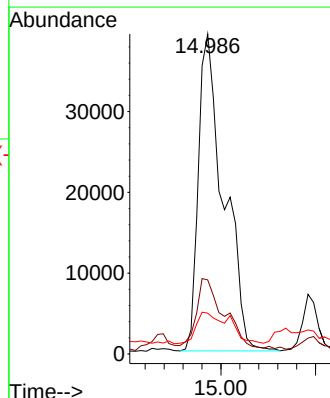
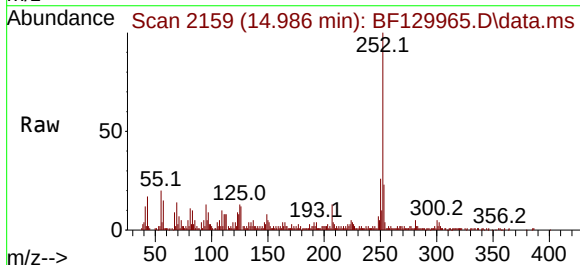
Tgt Ion:252 Resp: 72984

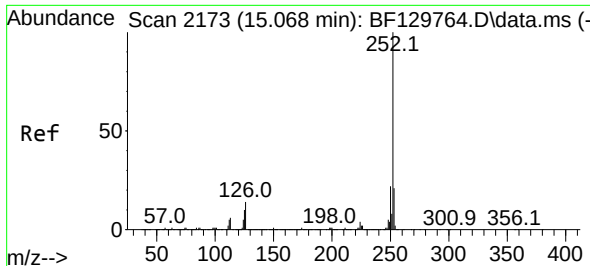
Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 12.8 8.3 12.5#

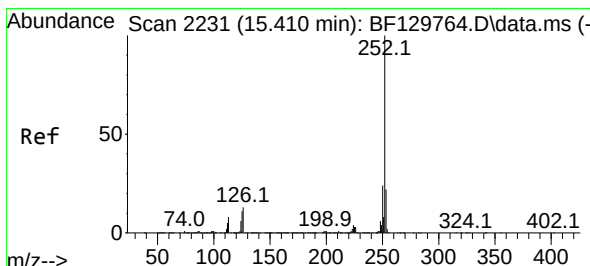
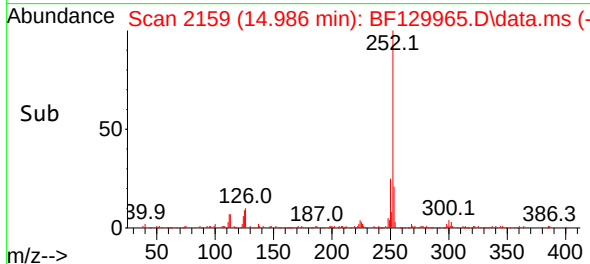
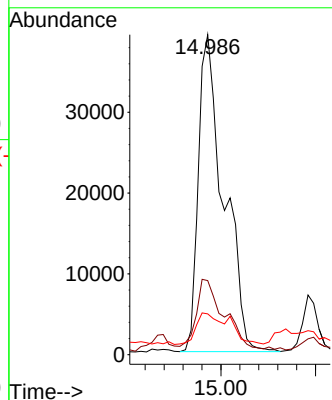
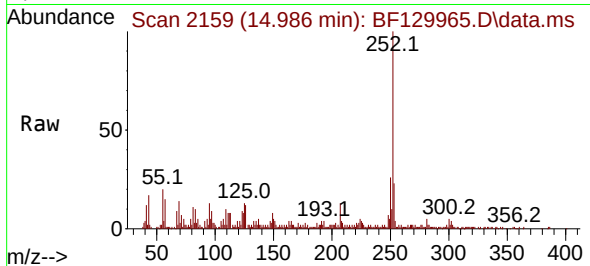




#89
Benzo(k)fluoranthene
Concen: 5.079 ng
RT: 14.986 min Scan# 2173
Delta R.T. -0.023 min
Lab File: BF129965.D
Acq: 23 Aug 2022 22:04

Instrument :
BNA_F
ClientSampleId :
TR-04-082222

Tgt Ion:252 Resp: 72984
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 12.8 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 2.743 ng
RT: 15.345 min Scan# 2220
Delta R.T. 0.006 min
Lab File: BF129965.D
Acq: 23 Aug 2022 22:04

Tgt Ion:252 Resp: 32365
Ion Ratio Lower Upper
252 100
253 23.6 17.2 25.8
125 14.2 8.8 13.2#

