

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081922\
 Data File : BF129932.D
 Acq On : 20 Aug 2022 03:26
 Operator : CG\JU
 Sample : N4240-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-081722

Quant Time: Aug 20 08:00:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 20 07:47:33 2022
 Response via : Initial Calibration

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

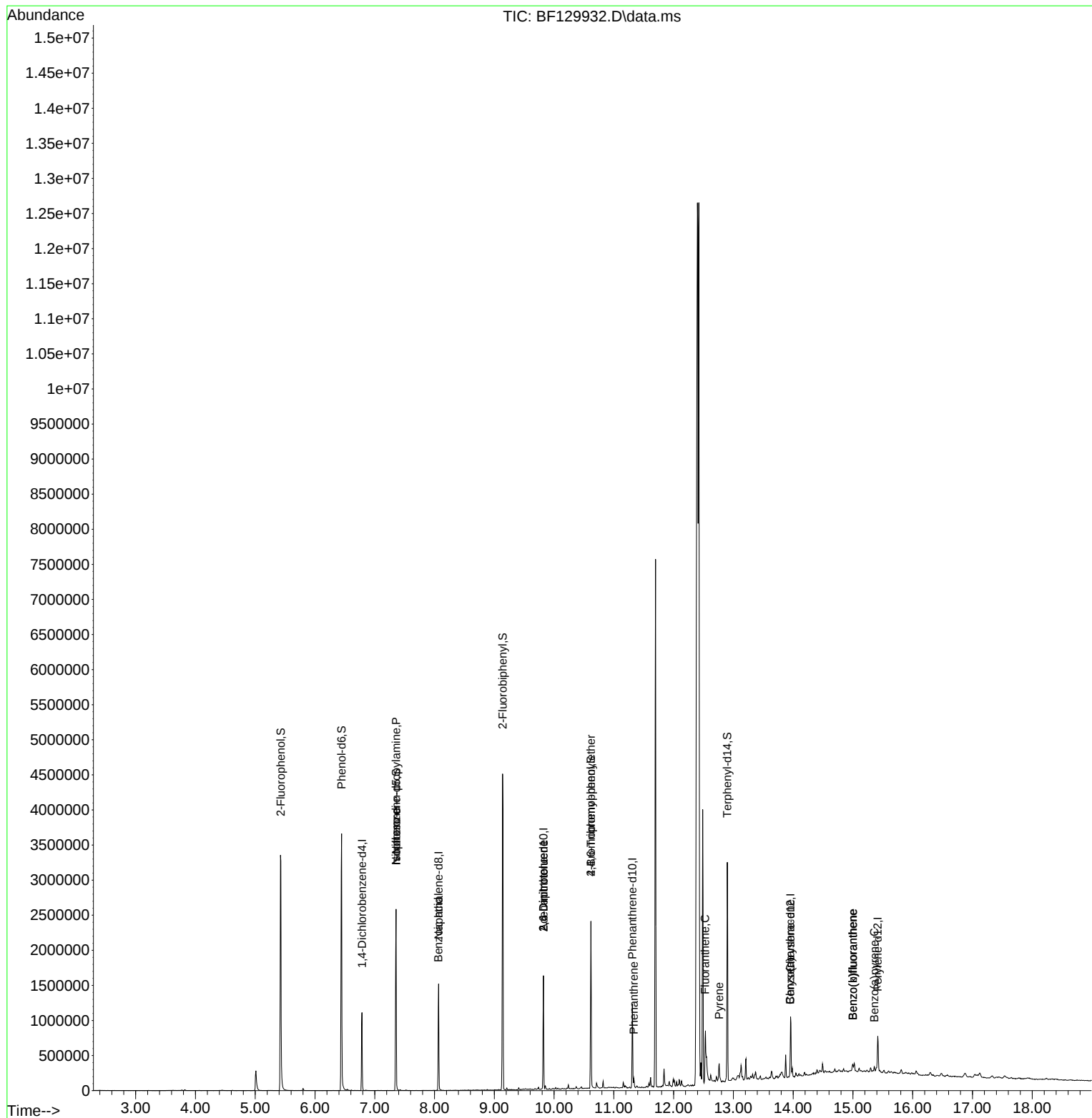
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	162166	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	623235	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	292059	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	396625	20.000	ng	0.00
76) Chrysene-d12	13.957	240	280798	20.000	ng	0.00
86) Perylene-d12	15.415	264	226806	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1022123	104.358	ng	0.00
7) Phenol-d6	6.445	99	1245215	101.523	ng	0.00
23) Nitrobenzene-d5	7.357	82	793577	68.163	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	253569	86.505	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	1383629	71.953	ng	0.00
79) Terphenyl-d14	12.898	244	1008634	59.769	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.445	77	2336	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.357	70	104704	13.505	ng	# 77
25) Isophorone	7.357	82	793568	39.603	ng	# 65
32) Benzoic acid	8.063	122	124	2.193	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	38625	8.505	ng	# 23
57) 2,4-Dinitrotoluene	9.822	165	38625	6.551	ng	# 18
67) 4-Bromophenyl-phenylether	10.616	248	15918	3.427	ng	# 1
71) Phenanthrene	11.333	178	44735	2.020	ng	97
75) Fluoranthene	12.527	202	93821	4.139	ng	96
77) Benzidine	12.657	184	1032	Below Cal	#	1
78) Pyrene	12.763	202	99813	4.091	ng	99
81) Benzo(a)anthracene	13.951	228	42799	2.216	ng	95
83) Chrysene	13.951	228	42799	2.367	ng	96
88) Benzo(b)fluoranthene	14.998	252	71184	4.583	ng	# 94
89) Benzo(k)fluoranthene	14.998	252	71184	4.779	ng	# 94
90) Benzo(a)pyrene	15.357	252	35926	2.937	ng	# 92

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

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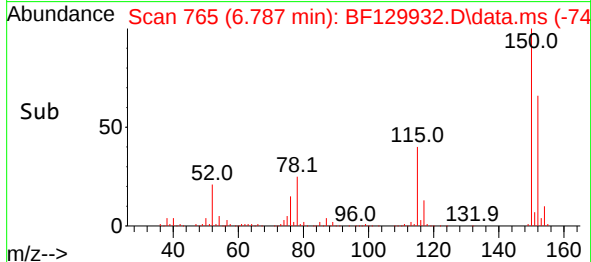
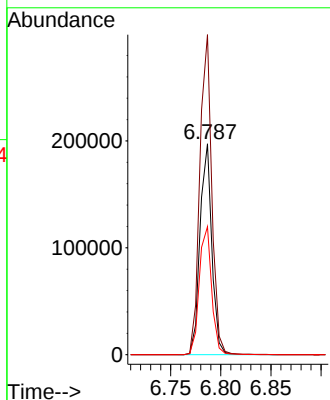
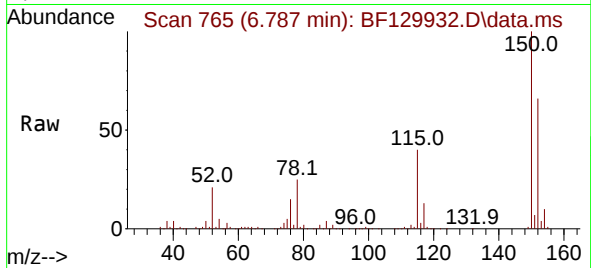




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129932.D
Acq: 20 Aug 2022 03:26

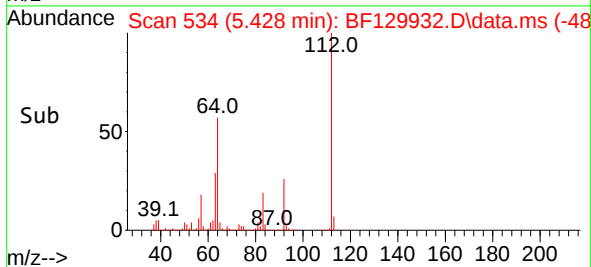
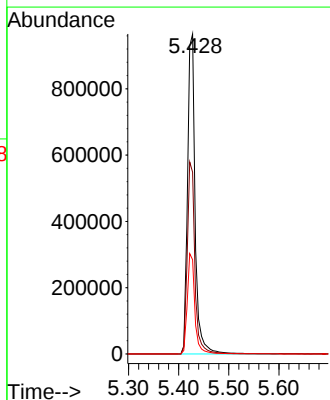
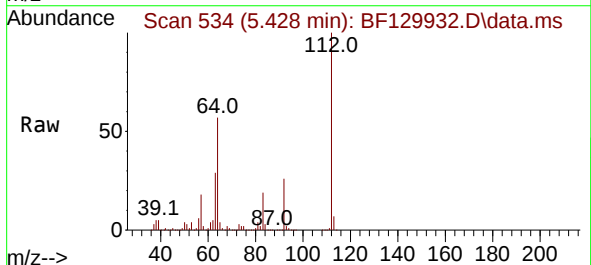
Instrument :
BNA_F
ClientSampleId :
TR-06-081722

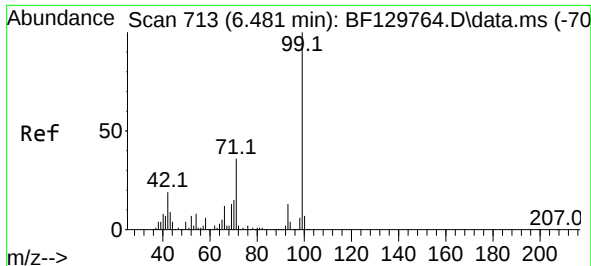
Tgt Ion:152 Resp: 162166
Ion Ratio Lower Upper
152 100
150 151.8 126.9 190.3
115 60.7 53.4 80.0



#5
2-Fluorophenol
Concen: 104.358 ng
RT: 5.428 min Scan# 534
Delta R.T. 0.006 min
Lab File: BF129932.D
Acq: 20 Aug 2022 03:26

Tgt Ion:112 Resp: 1022123
Ion Ratio Lower Upper
112 100
64 56.8 47.6 71.4
63 29.4 24.6 37.0

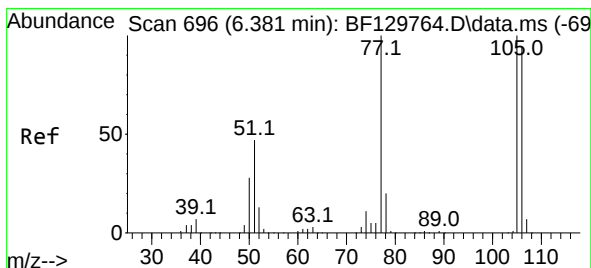
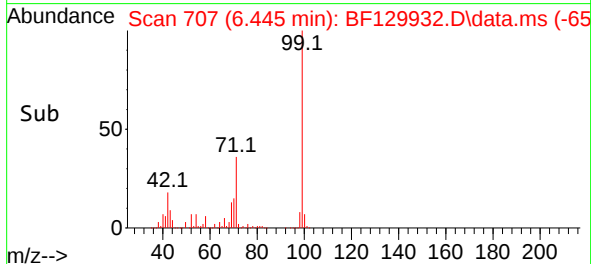
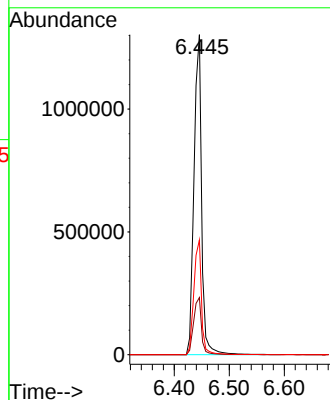
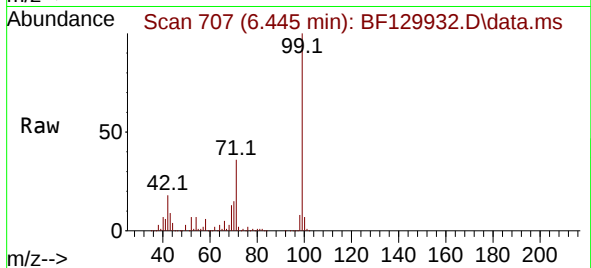




#7
Phenol-d6
Concen: 101.523 ng
RT: 6.445 min Scan# 707
Delta R.T. 0.000 min
Lab File: BF129932.D
Acq: 20 Aug 2022 03:26

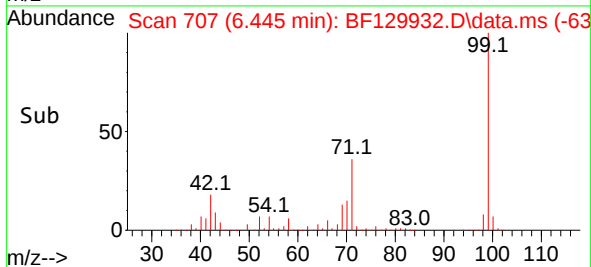
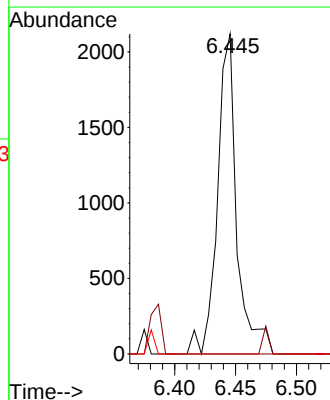
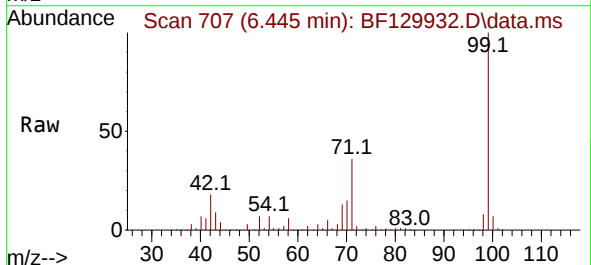
Instrument :
BNA_F
ClientSampleId :
TR-06-081722

Tgt Ion: 99 Resp: 1245215
Ion Ratio Lower Upper
99 100
42 17.9 15.0 22.4
71 35.9 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.445 min Scan# 707
Delta R.T. 0.100 min
Lab File: BF129932.D
Acq: 20 Aug 2022 03:26

Tgt Ion: 77 Resp: 2336
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#

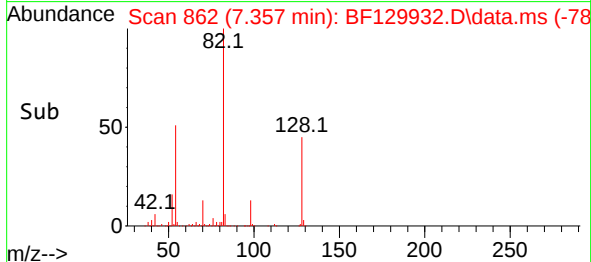
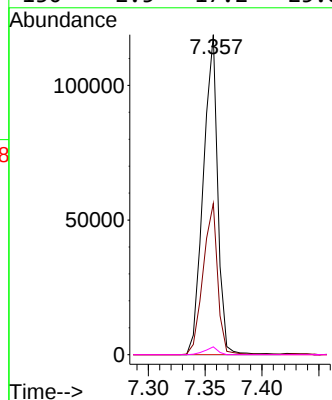
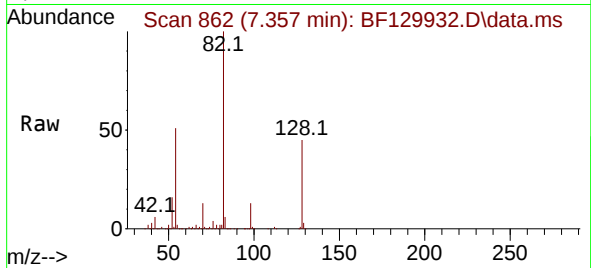




#19
n-Nitroso-di-n-propylamine
Concen: 13.505 ng
RT: 7.357 min Scan# 80
Delta R.T. 0.153 min
Lab File: BF129932.D
Acq: 20 Aug 2022 03:26

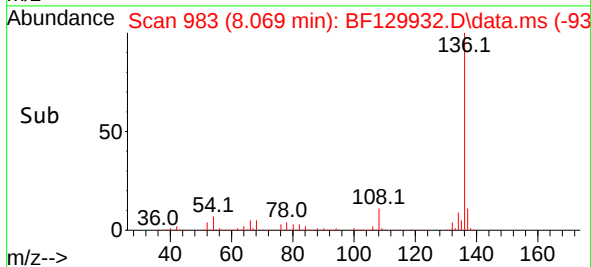
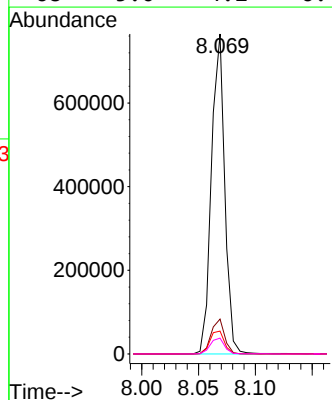
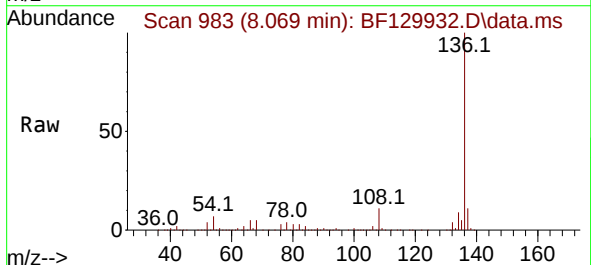
Instrument :
BNA_F
ClientSampleId :
TR-06-081722

Tgt Ion: 70 Resp: 104704
Ion Ratio Lower Upper
70 100
42 47.2 47.6 71.4#
101 0.0 8.1 12.1#
130 2.5 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF129932.D
Acq: 20 Aug 2022 03:26

Tgt Ion: 136 Resp: 623235
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.2 6.2 9.2
68 5.0 4.2 6.4

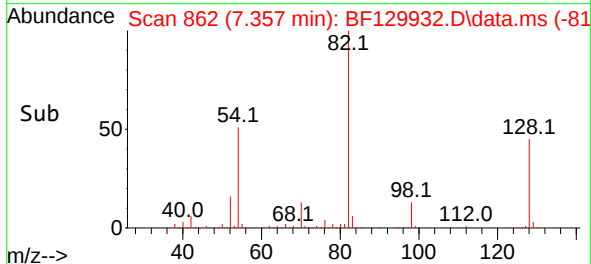
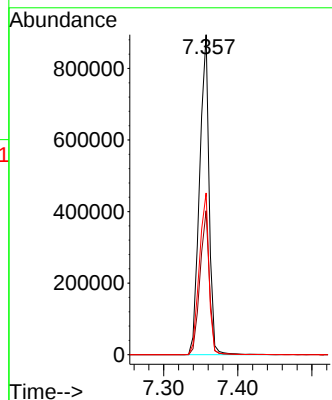
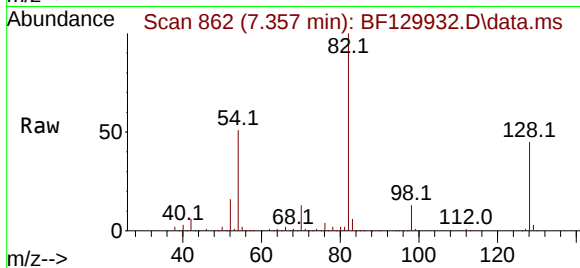




#23
Nitrobenzene-d5
Concen: 68.163 ng
RT: 7.357 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF129932.D
Acq: 20 Aug 2022 03:26

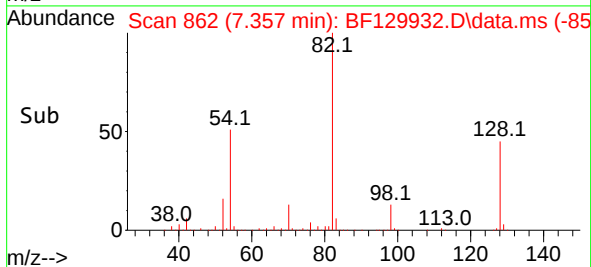
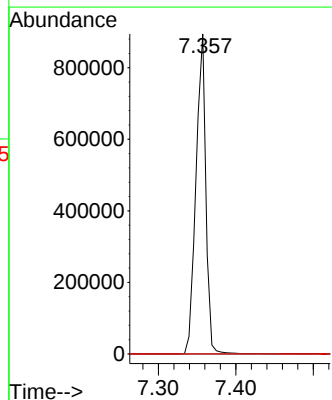
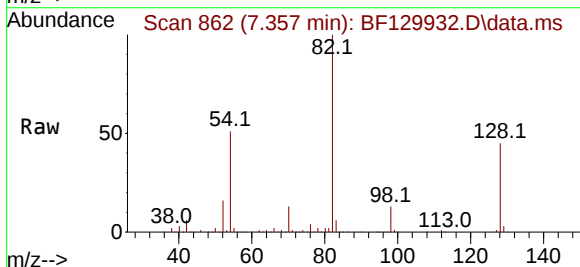
Instrument :
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ClientSampleId :
TR-06-081722

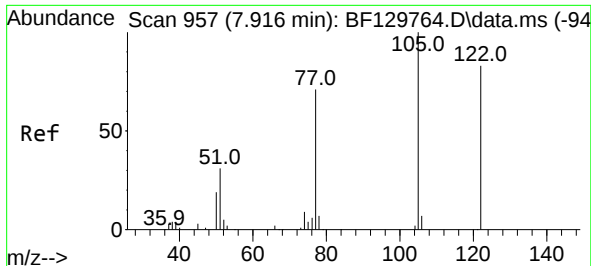
Tgt Ion: 82 Resp: 793577
Ion Ratio Lower Upper
82 100
128 45.0 36.1 54.1
54 50.5 40.0 60.0



#25
Isophorone
Concen: 39.603 ng
RT: 7.357 min Scan# 862
Delta R.T. -0.259 min
Lab File: BF129932.D
Acq: 20 Aug 2022 03:26

Tgt Ion: 82 Resp: 793568
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

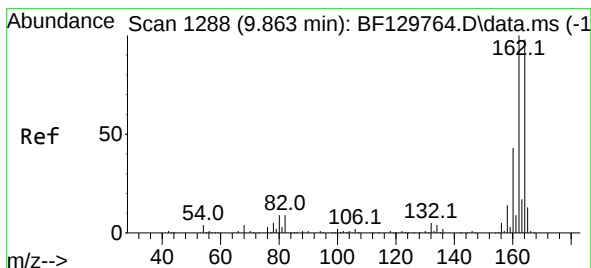
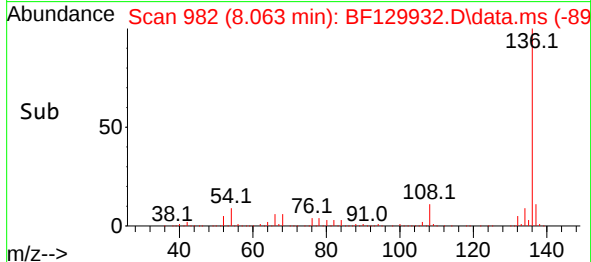
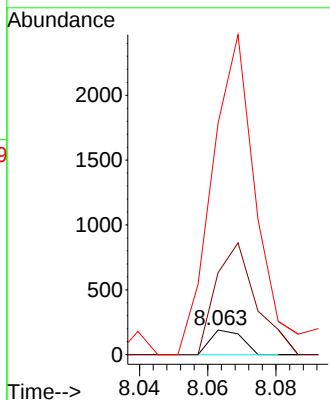
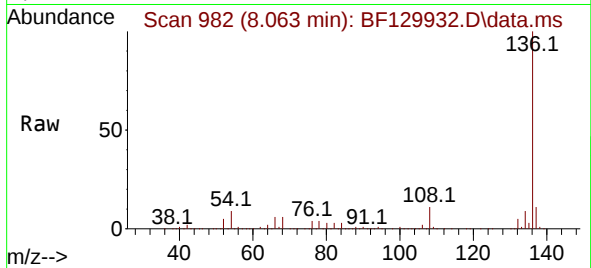




#32
Benzoic acid
Concen: 2.193 ng
RT: 8.063 min Scan# 91
Delta R.T. 0.188 min
Lab File: BF129932.D
Acq: 20 Aug 2022 03:26

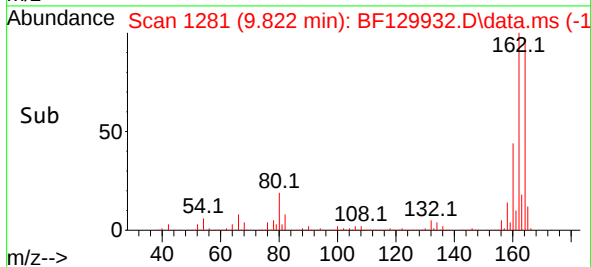
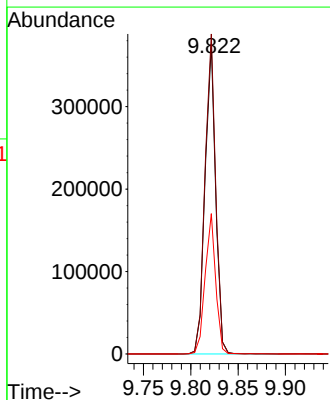
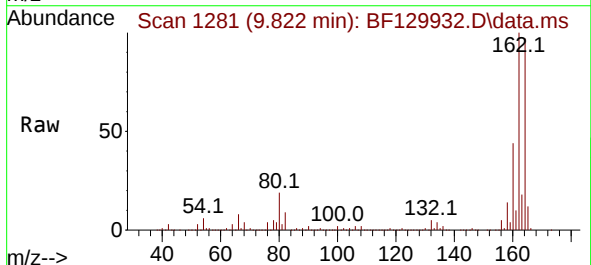
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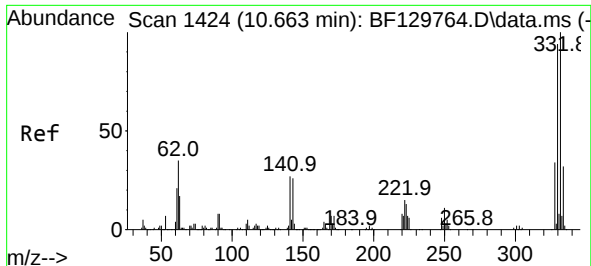
Tgt Ion:122 Resp: 124
Ion Ratio Lower Upper
122 100
105 332.6 99.9 139.9#
77 938.9 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF129932.D
Acq: 20 Aug 2022 03:26

Tgt Ion:164 Resp: 292059
Ion Ratio Lower Upper
164 100
162 103.3 82.0 123.0
160 45.3 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 86.505 ng

RT: 10.616 min Scan# 1416

Delta R.T. -0.006 min

Lab File: BF129932.D

Acq: 20 Aug 2022 03:26

Instrument :

BNA_F

ClientSampleId :

TR-06-081722

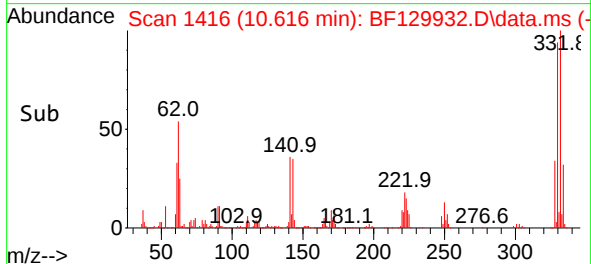
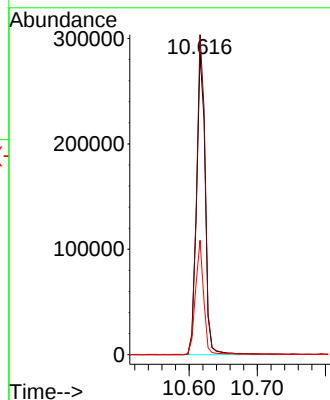
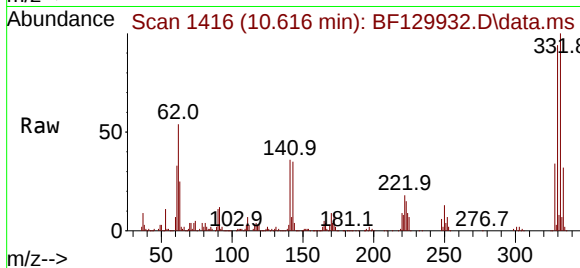
Tgt Ion:330 Resp: 253569

Ion Ratio Lower Upper

330 100

332 104.6 82.6 124.0

141 35.4 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 71.953 ng

RT: 9.139 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF129932.D

Acq: 20 Aug 2022 03:26

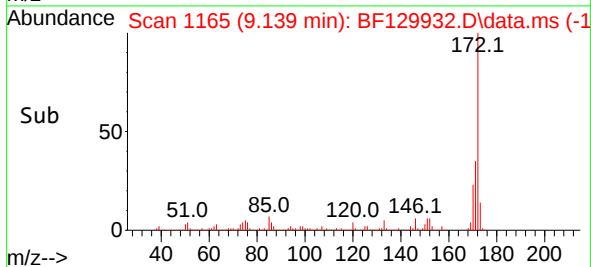
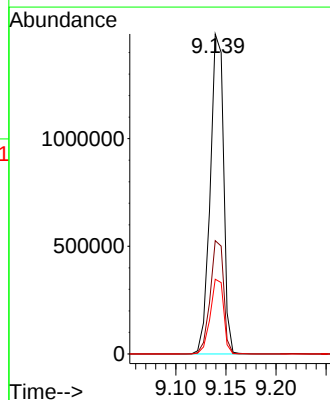
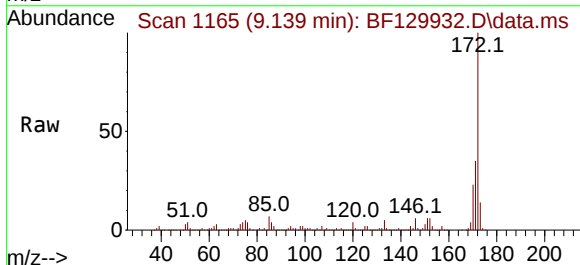
Tgt Ion:172 Resp: 1383629

Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.4 19.1 28.7

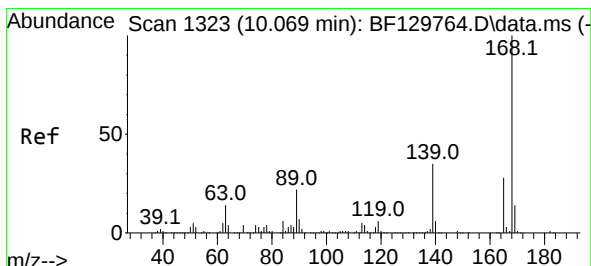
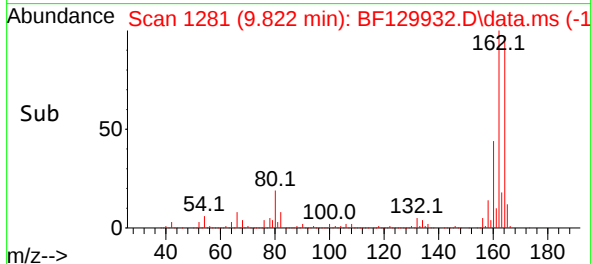
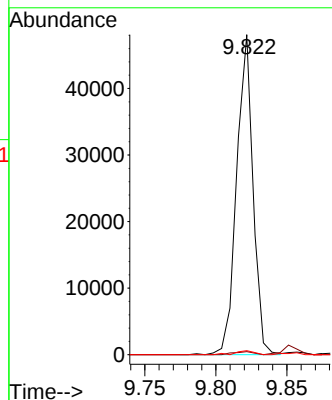
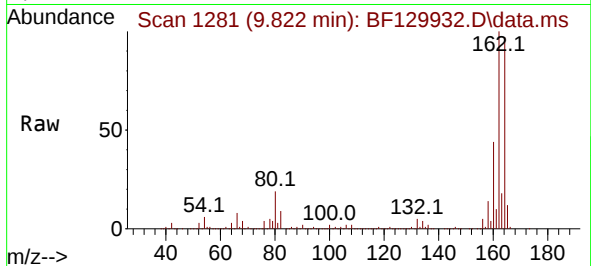




#51
2,6-Dinitrotoluene
Concen: 8.505 ng
RT: 9.822 min Scan# 1281
Delta R.T. 0.200 min
Lab File: BF129932.D
Acq: 20 Aug 2022 03:26

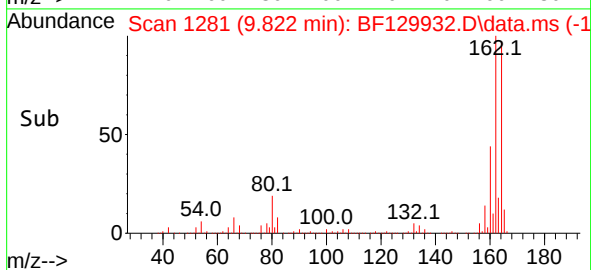
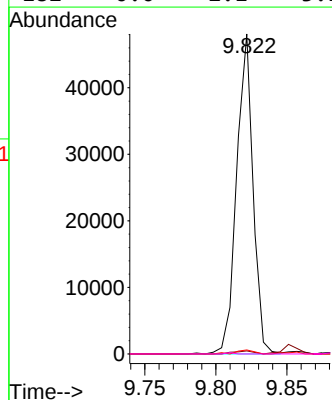
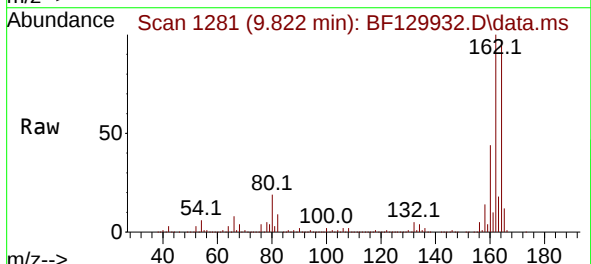
Instrument :
BNA_F
ClientSampleId :
TR-06-081722

Tgt Ion:165 Resp: 38625
Ion Ratio Lower Upper
165 100
63 1.0 47.8 71.8#
89 1.2 47.2 70.8#



#57
2,4-Dinitrotoluene
Concen: 6.551 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.212 min
Lab File: BF129932.D
Acq: 20 Aug 2022 03:26

Tgt Ion:165 Resp: 38625
Ion Ratio Lower Upper
165 100
63 1.0 48.4 72.6#
89 1.2 62.3 93.5#
182 0.0 2.1 3.1#

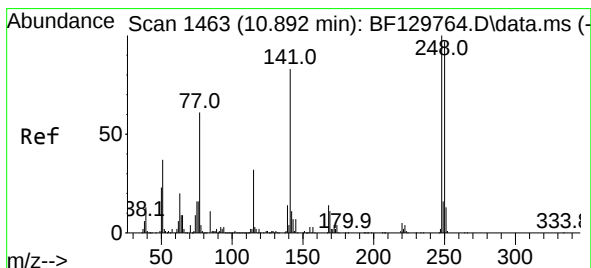
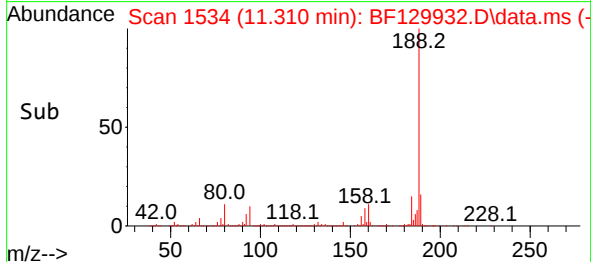
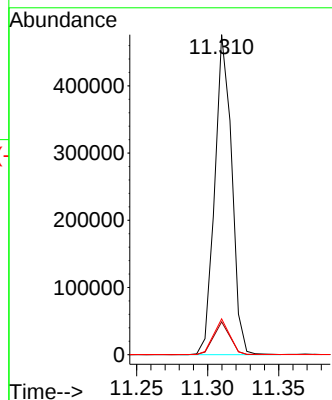
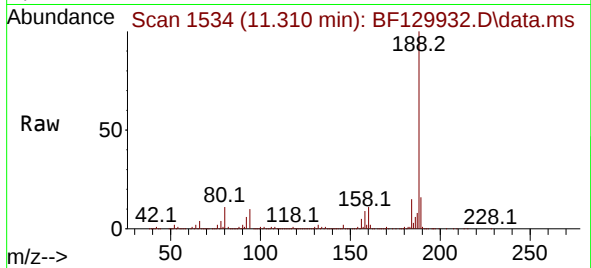




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129932.D
Acq: 20 Aug 2022 03:26

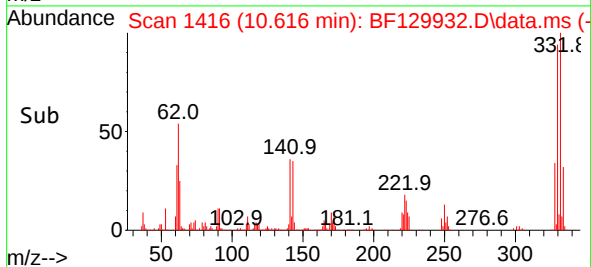
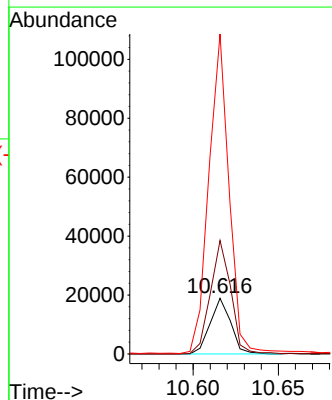
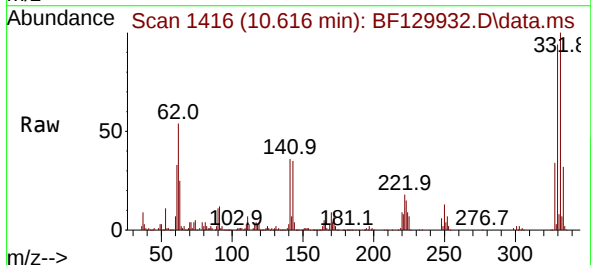
Instrument :
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ClientSampleId :
TR-06-081722

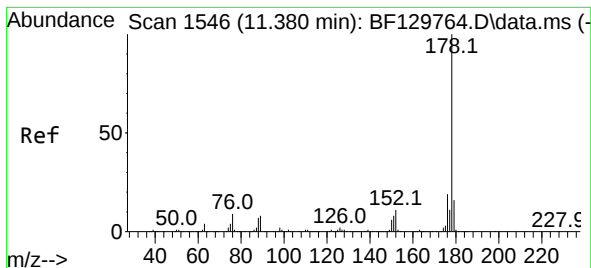
Tgt Ion:188 Resp: 396625
Ion Ratio Lower Upper
188 100
94 10.3 7.4 11.2
80 11.2 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 3.427 ng
RT: 10.616 min Scan# 1416
Delta R.T. -0.235 min
Lab File: BF129932.D
Acq: 20 Aug 2022 03:26

Tgt Ion:248 Resp: 15918
Ion Ratio Lower Upper
248 100
250 203.6 77.8 116.6#
141 574.1 66.2 99.2#





#71

Phenanthrene

Concen: 2.020 ng

RT: 11.333 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129932.D

Acq: 20 Aug 2022 03:26

Instrument :

BNA_F

ClientSampleId :

TR-06-081722

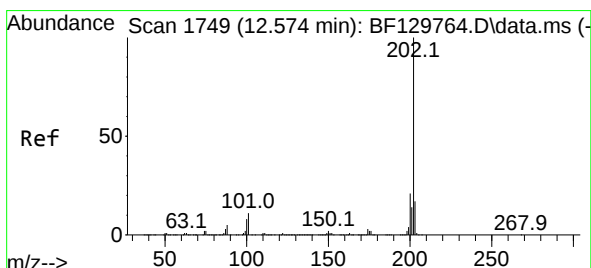
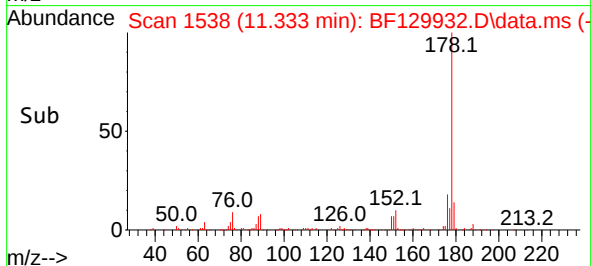
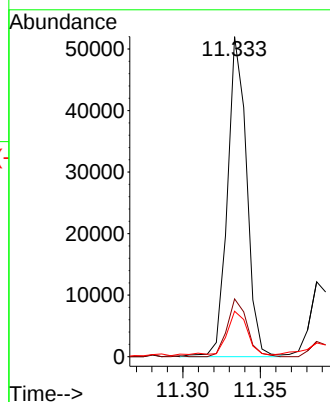
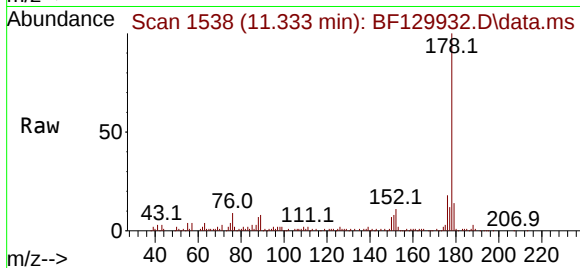
Tgt Ion:178 Resp: 44735

Ion Ratio Lower Upper

178 100

176 18.1 15.5 23.3

179 14.2 12.5 18.7



#75

Fluoranthene

Concen: 4.139 ng

RT: 12.527 min Scan# 1741

Delta R.T. -0.006 min

Lab File: BF129932.D

Acq: 20 Aug 2022 03:26

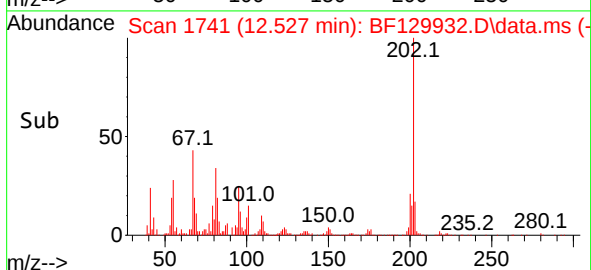
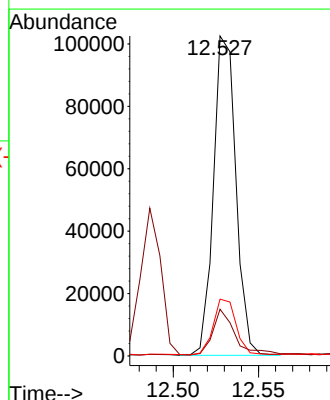
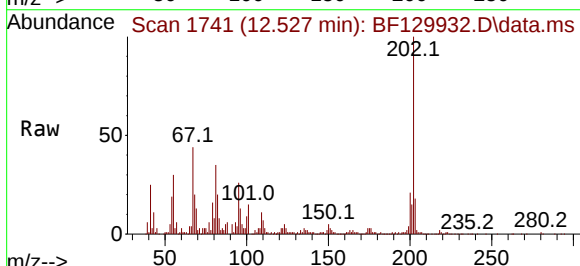
Tgt Ion:202 Resp: 93821

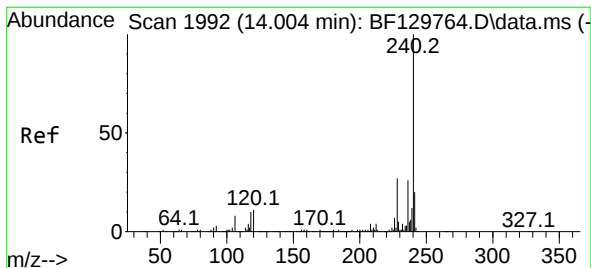
Ion Ratio Lower Upper

202 100

101 14.6 0.0 30.7

203 17.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 1992

Delta R.T. -0.006 min

Lab File: BF129932.D

Acq: 20 Aug 2022 03:26

Instrument :

BNA_F

ClientSampleId :

TR-06-081722

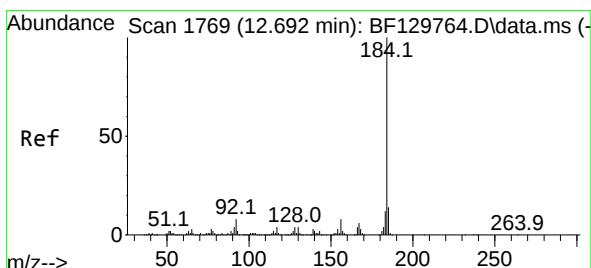
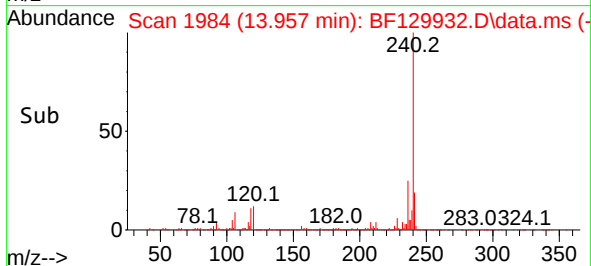
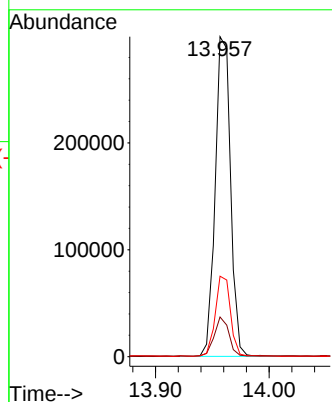
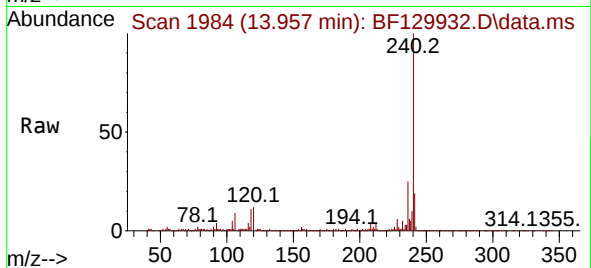
Tgt Ion:240 Resp: 280798

Ion Ratio Lower Upper

240 100

120 12.4 9.2 13.8

236 25.2 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.657 min Scan# 1763

Delta R.T. 0.000 min

Lab File: BF129932.D

Acq: 20 Aug 2022 03:26

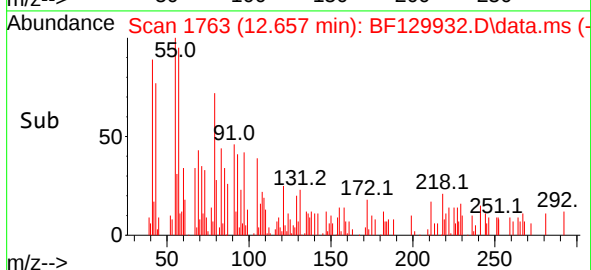
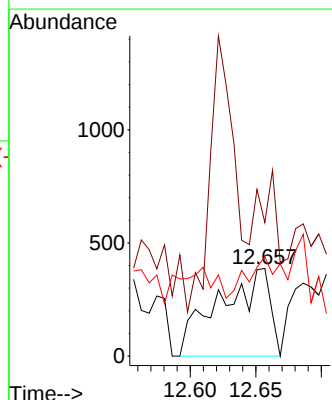
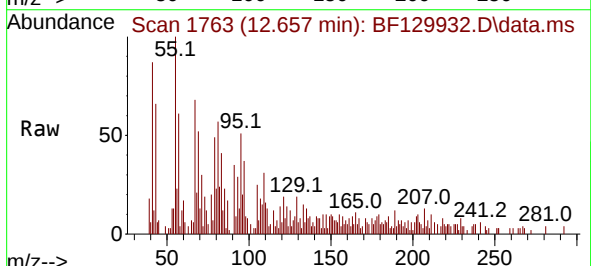
Tgt Ion:184 Resp: 1032

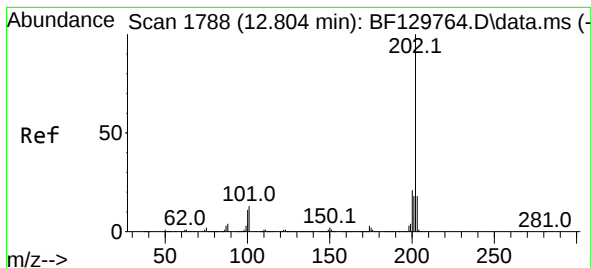
Ion Ratio Lower Upper

184 100

185 152.5 11.4 17.2#

183 113.4 9.4 14.2#





#78

Pyrene

Concen: 4.091 ng

RT: 12.763 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF129932.D

Acq: 20 Aug 2022 03:26

Instrument :

BNA_F

ClientSampleId :

TR-06-081722

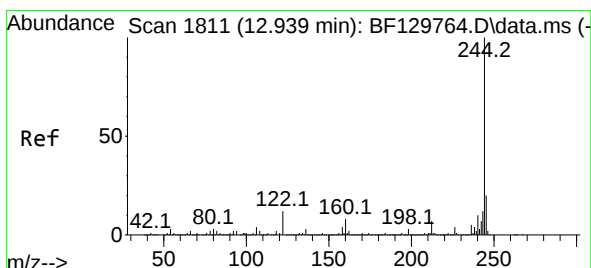
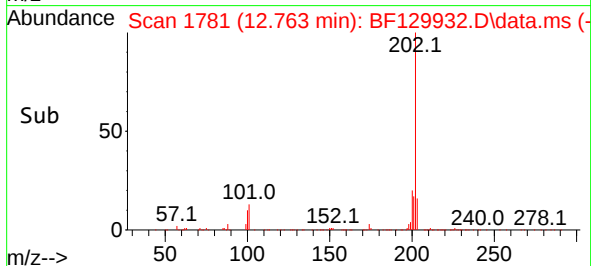
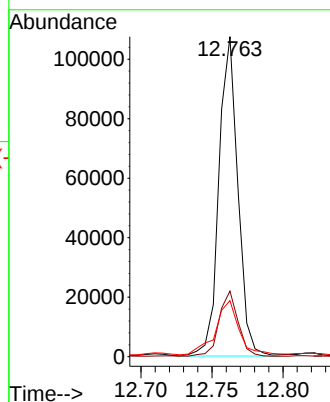
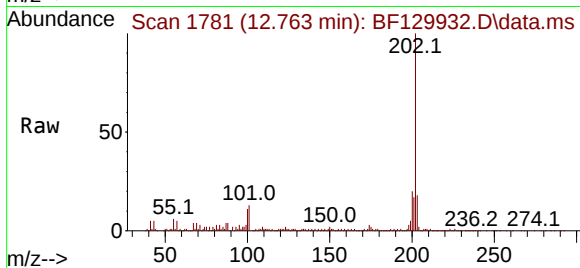
Tgt Ion:202 Resp: 99813

Ion Ratio Lower Upper

202 100

200 20.5 17.0 25.6

203 17.5 14.1 21.1



#79

Terphenyl-d14

Concen: 59.769 ng

RT: 12.898 min Scan# 1804

Delta R.T. 0.000 min

Lab File: BF129932.D

Acq: 20 Aug 2022 03:26

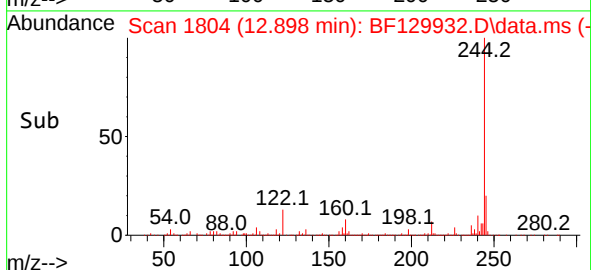
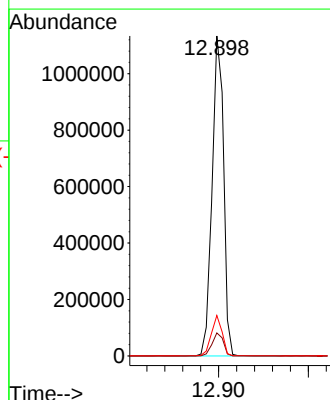
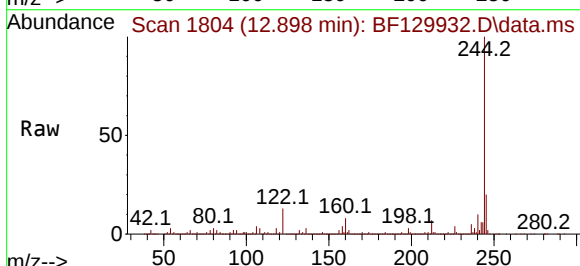
Tgt Ion:244 Resp: 1008634

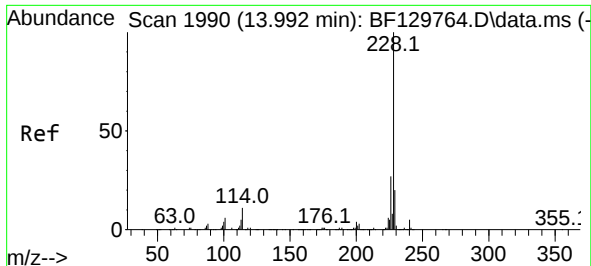
Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 12.7 9.9 14.9

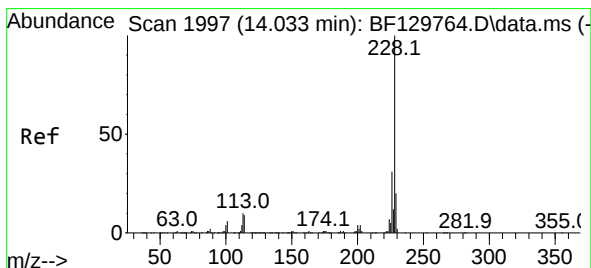
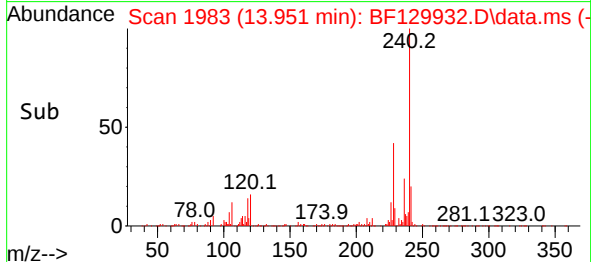
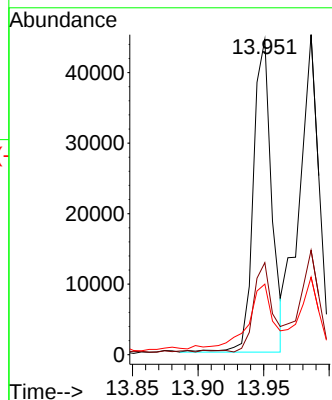
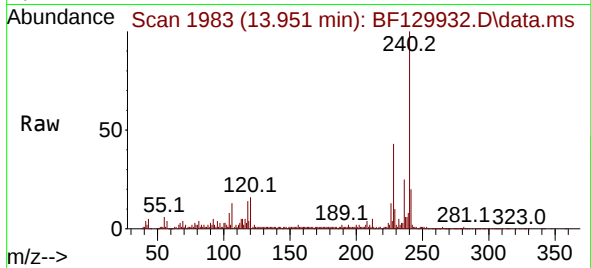




#81
Benzo(a)anthracene
Concen: 2.216 ng
RT: 13.951 min Scan# 1983
Delta R.T. 0.000 min
Lab File: BF129932.D
Acq: 20 Aug 2022 03:26

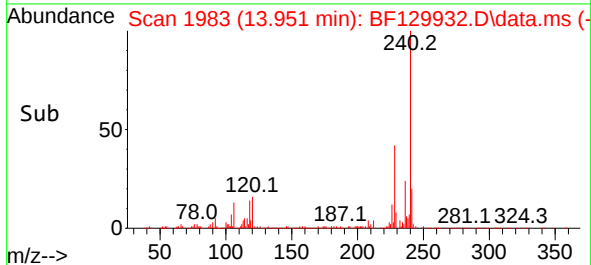
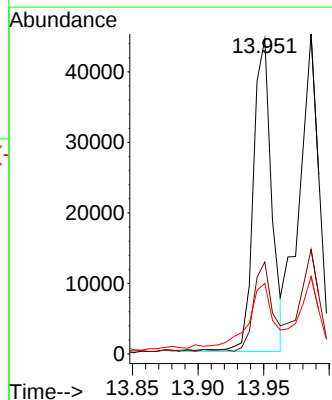
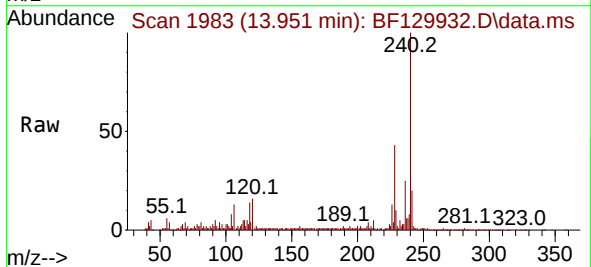
Instrument :
BNA_F
ClientSampleId :
TR-06-081722

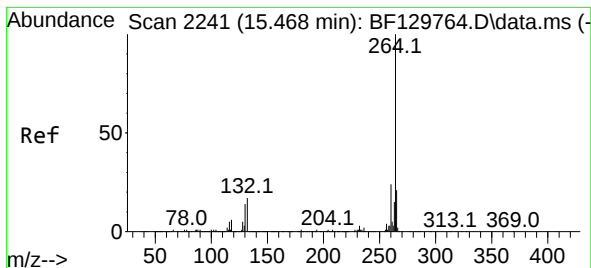
Tgt Ion:228 Resp: 42799
Ion Ratio Lower Upper
228 100
226 29.2 21.4 32.0
229 22.4 16.1 24.1



#83
Chrysene
Concen: 2.367 ng
RT: 13.951 min Scan# 1983
Delta R.T. -0.041 min
Lab File: BF129932.D
Acq: 20 Aug 2022 03:26

Tgt Ion:228 Resp: 42799
Ion Ratio Lower Upper
228 100
226 29.2 24.4 36.6
229 22.4 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF129932.D

Acq: 20 Aug 2022 03:26

Instrument :

BNA_F

ClientSampleId :

TR-06-081722

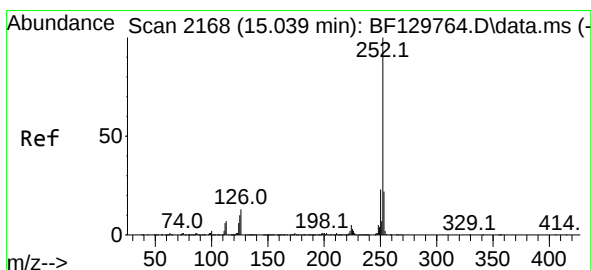
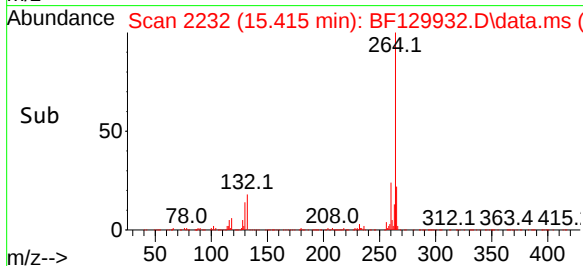
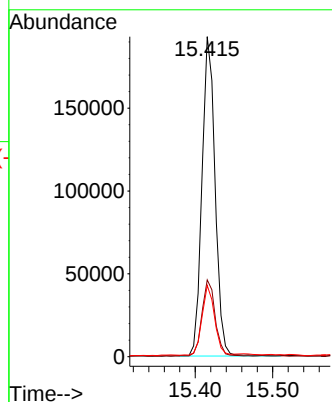
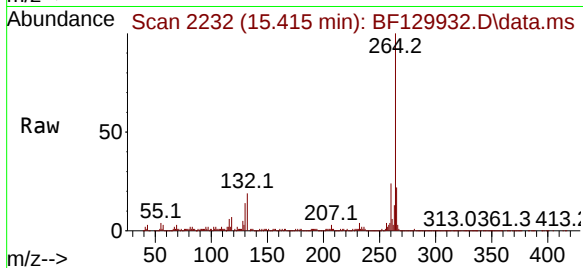
Tgt Ion:264 Resp: 226806

Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

265 22.2 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 4.583 ng

RT: 14.998 min Scan# 2161

Delta R.T. 0.000 min

Lab File: BF129932.D

Acq: 20 Aug 2022 03:26

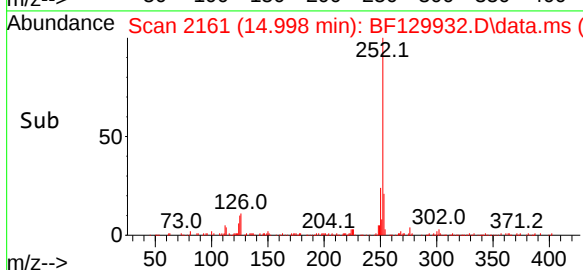
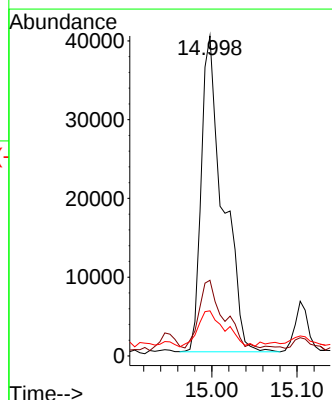
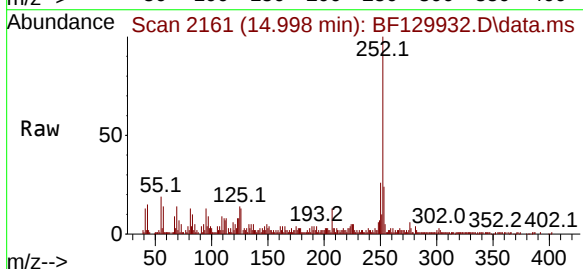
Tgt Ion:252 Resp: 71184

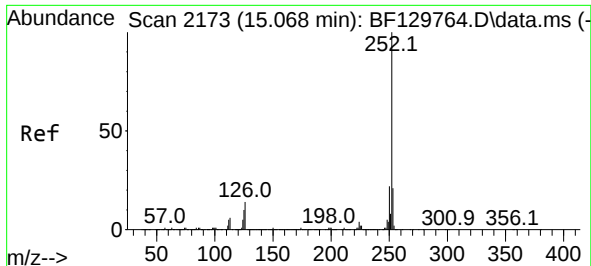
Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 14.1 8.3 12.5#





#89

Benzo(k)fluoranthene

Concen: 4.779 ng

RT: 14.998 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF129932.D

Acq: 20 Aug 2022 03:26

Instrument :

BNA_F

ClientSampleId :

TR-06-081722

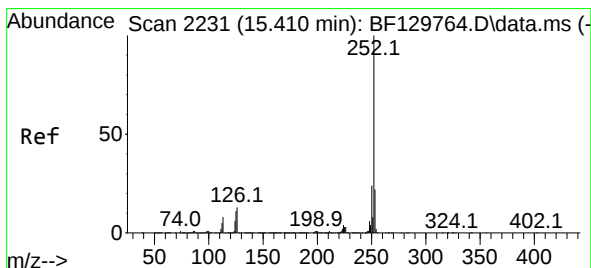
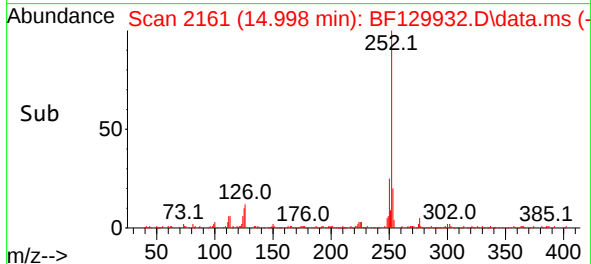
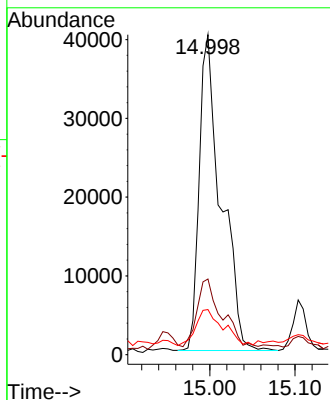
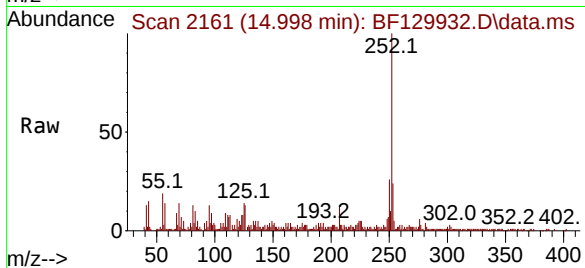
Tgt Ion:252 Resp: 71184

Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

125 14.1 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 2.937 ng

RT: 15.357 min Scan# 2222

Delta R.T. 0.000 min

Lab File: BF129932.D

Acq: 20 Aug 2022 03:26

Tgt Ion:252 Resp: 35926

Ion Ratio Lower Upper

252 100

253 24.8 17.2 25.8

125 15.2 8.8 13.2#

