

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081922\
 Data File : BF129934.D
 Acq On : 20 Aug 2022 04:29
 Operator : CG\JU
 Sample : N4232-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-081722

Quant Time: Aug 20 08:00:55 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)

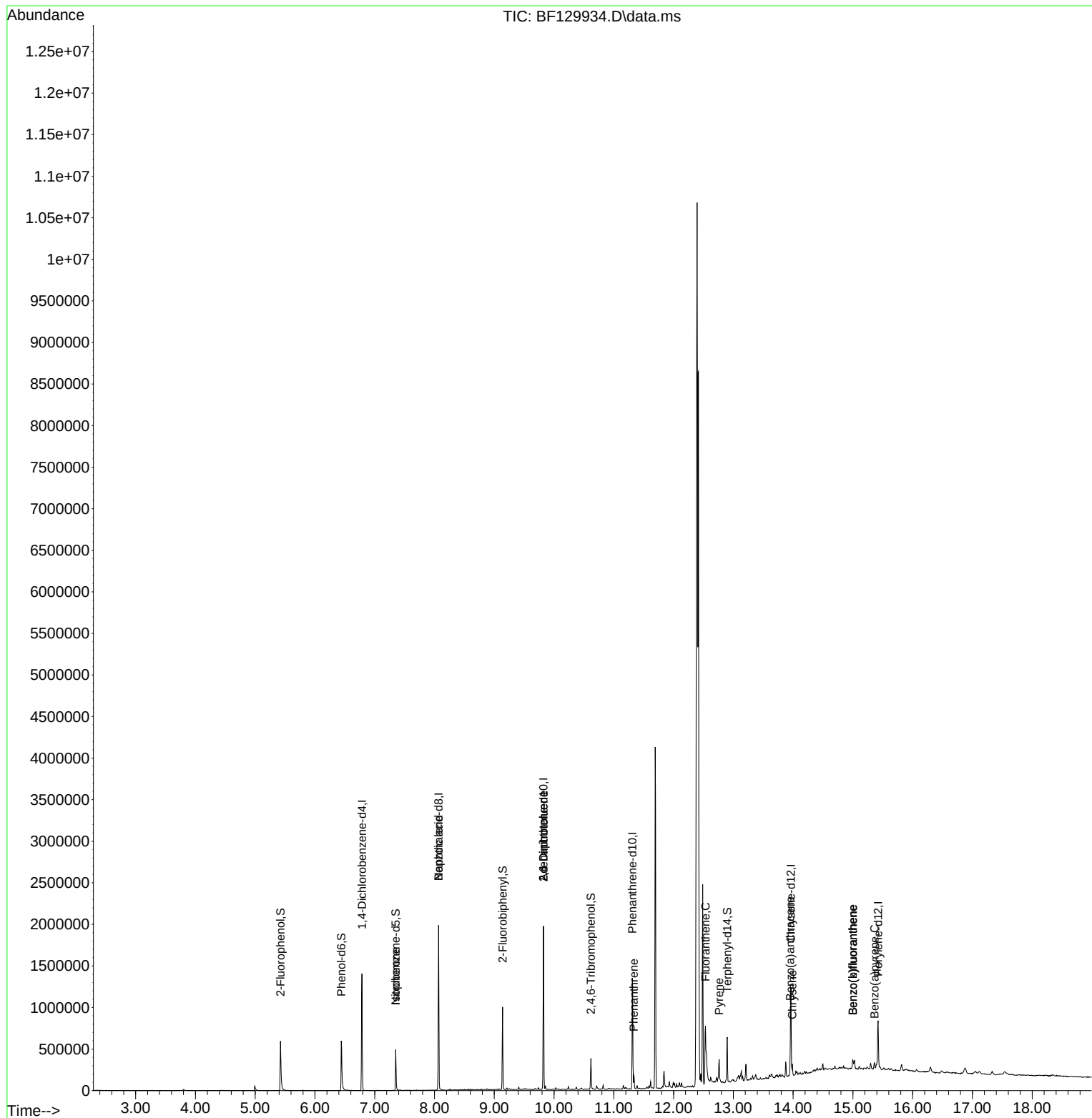
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	202795	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	772130	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	350998	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	481785	20.000	ng	0.00
76) Chrysene-d12	13.963	240	337576	20.000	ng	0.00
86) Perylene-d12	15.421	264	258637	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	188978	15.429	ng	0.00
7) Phenol-d6	6.440	99	233741	15.239	ng	0.00
23) Nitrobenzene-d5	7.351	82	140506	9.741	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	40167	11.402	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	259334	11.222	ng	0.00
79) Terphenyl-d14	12.898	244	184591	9.099	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.440	77	403	Below Cal	#	1
25) Isophorone	7.351	82	140505	5.660	ng	# 65
32) Benzoic acid	8.069	122	206	2.208	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	46161	8.457	ng	# 23
57) 2,4-Dinitrotoluene	9.822	165	46161	6.515	ng	# 18
71) Phenanthrene	11.333	178	54145	2.012	ng	98
75) Fluoranthene	12.533	202	111919	4.065	ng	99
77) Benzidine	12.639	184	323	Below Cal	#	1
78) Pyrene	12.763	202	102885	3.507	ng	98
81) Benzo(a)anthracene	13.951	228	56275	2.423	ng	98
83) Chrysene	13.986	228	48094	2.212	ng	98
88) Benzo(b)fluoranthene	14.998	252	81669	4.611	ng	# 94
89) Benzo(k)fluoranthene	14.998	252	81669	4.808	ng	# 93
90) Benzo(a)pyrene	15.363	252	41185	2.953	ng	# 91

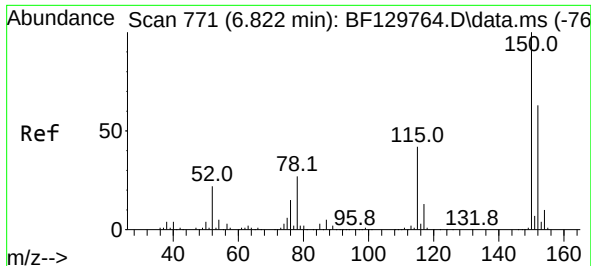
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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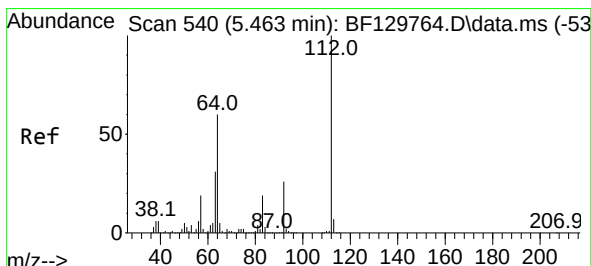
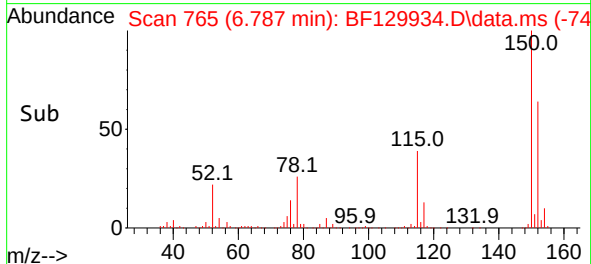
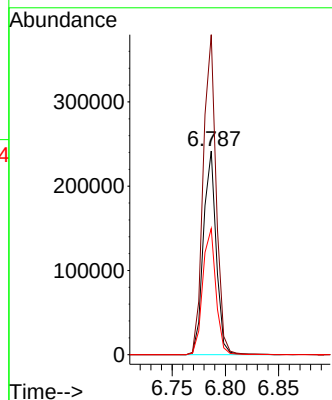
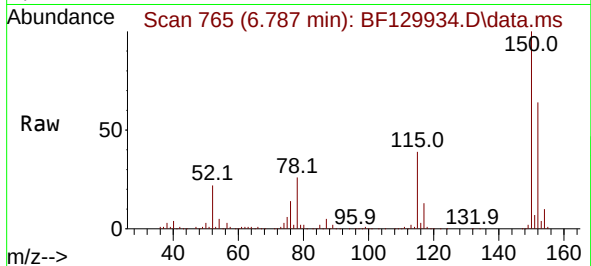




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: BF129934.D
 Acq: 20 Aug 2022 04:29

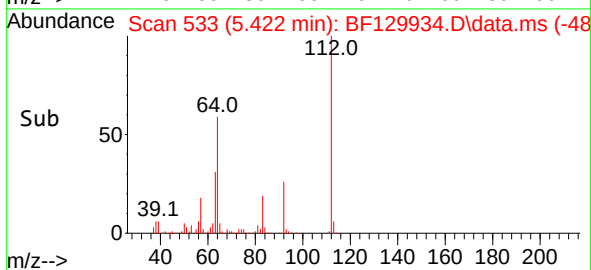
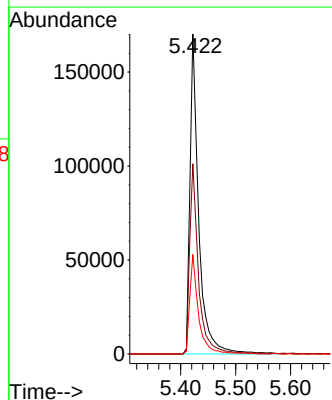
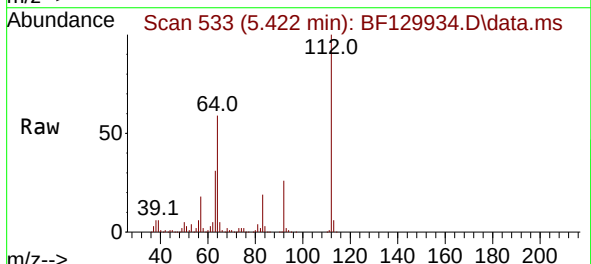
Instrument :
 BNA_F
 ClientSampleId :
 BU-01-081722

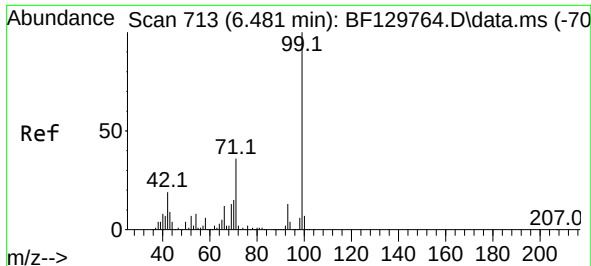
Tgt Ion:152 Resp: 202795
 Ion Ratio Lower Upper
 152 100
 150 157.1 126.9 190.3
 115 61.9 53.4 80.0



#5
 2-Fluorophenol
 Concen: 15.429 ng
 RT: 5.422 min Scan# 533
 Delta R.T. 0.000 min
 Lab File: BF129934.D
 Acq: 20 Aug 2022 04:29

Tgt Ion:112 Resp: 188978
 Ion Ratio Lower Upper
 112 100
 64 59.5 47.6 71.4
 63 31.1 24.6 37.0

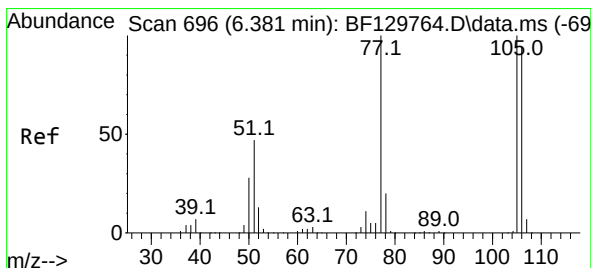
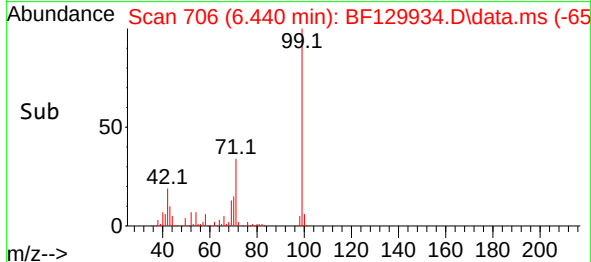
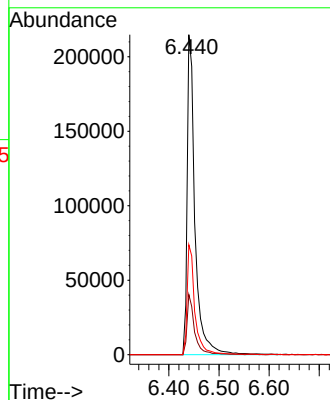
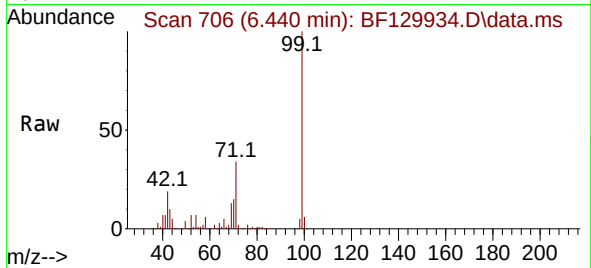




#7
Phenol-d6
Concen: 15.239 ng
RT: 6.440 min Scan# 706
Delta R.T. -0.006 min
Lab File: BF129934.D
Acq: 20 Aug 2022 04:29

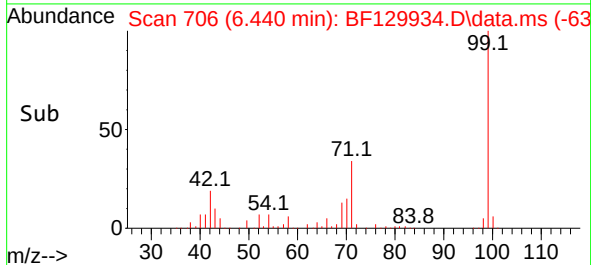
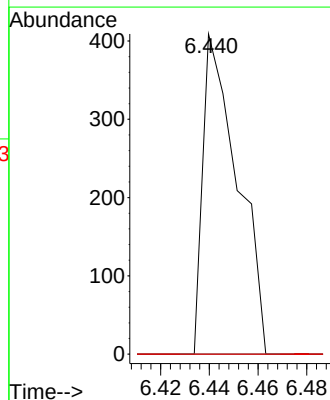
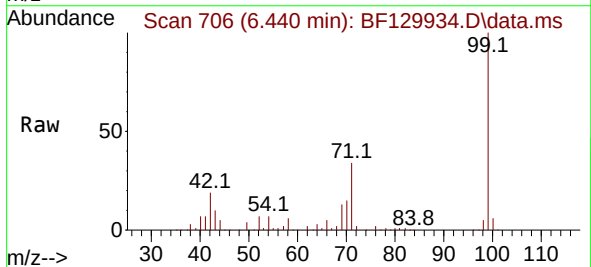
Instrument :
BNA_F
ClientSampleId :
BU-01-081722

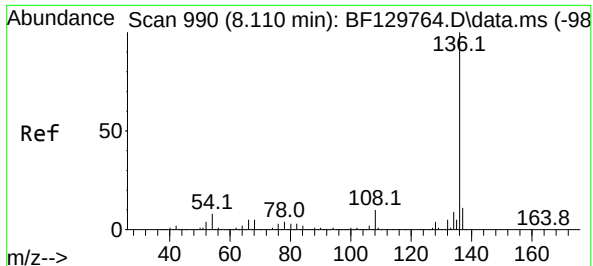
Tgt Ion: 99 Resp: 233741
Ion Ratio Lower Upper
99 100
42 18.8 15.0 22.4
71 34.4 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.440 min Scan# 706
Delta R.T. 0.094 min
Lab File: BF129934.D
Acq: 20 Aug 2022 04:29

Tgt Ion: 77 Resp: 403
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF129934.D

Acq: 20 Aug 2022 04:29

Instrument :

BNA_F

ClientSampleId :

BU-01-081722

Tgt Ion:136 Resp: 772130

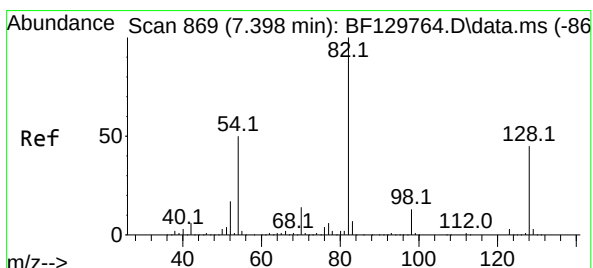
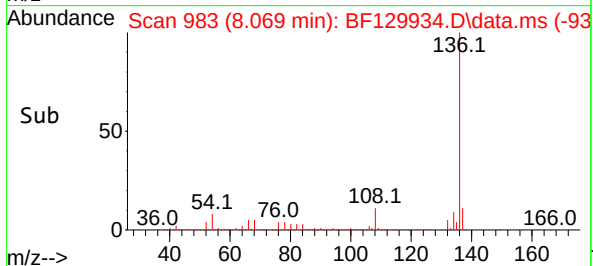
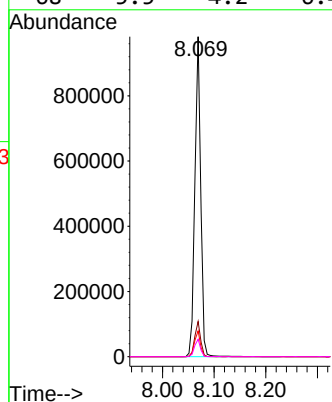
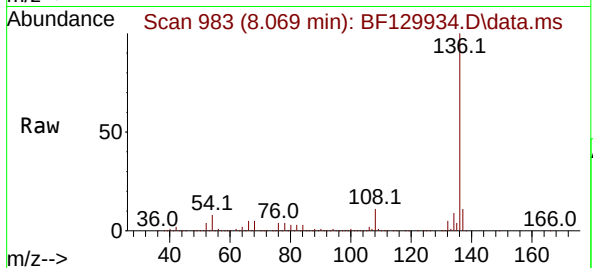
Ion Ratio Lower Upper

136 100

137 11.0 8.4 12.6

54 8.1 6.2 9.2

68 5.5 4.2 6.4



#23

Nitrobenzene-d5

Concen: 9.741 ng

RT: 7.351 min Scan# 861

Delta R.T. -0.006 min

Lab File: BF129934.D

Acq: 20 Aug 2022 04:29

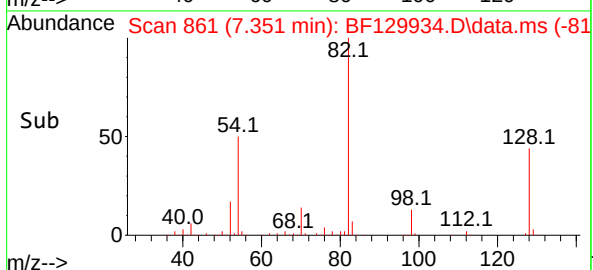
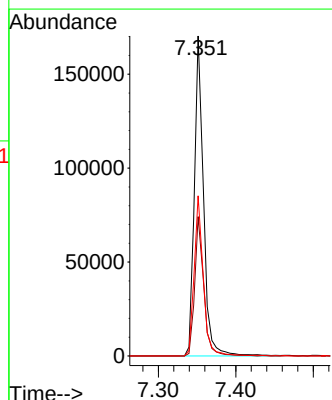
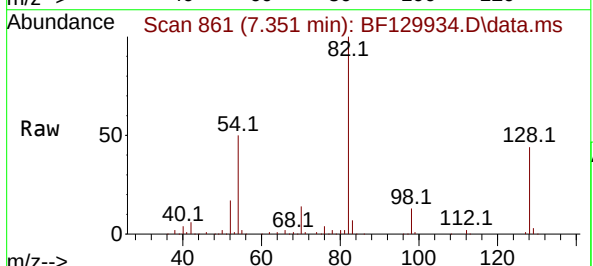
Tgt Ion: 82 Resp: 140506

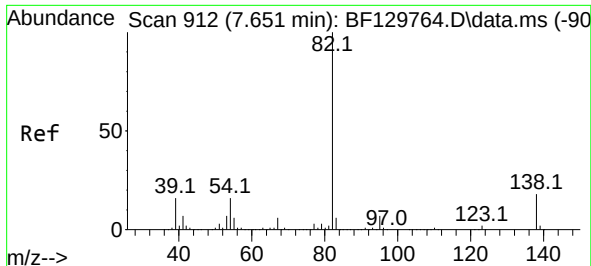
Ion Ratio Lower Upper

82 100

128 43.5 36.1 54.1

54 50.1 40.0 60.0

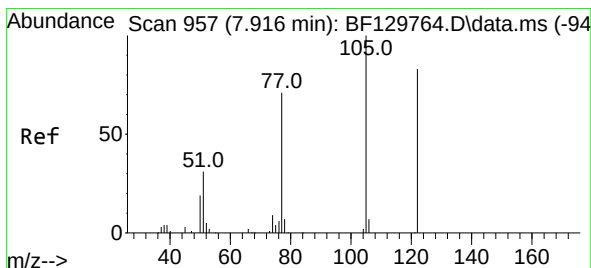
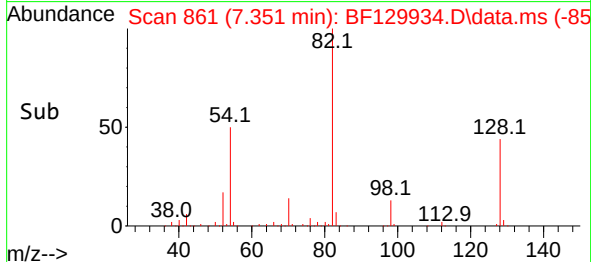
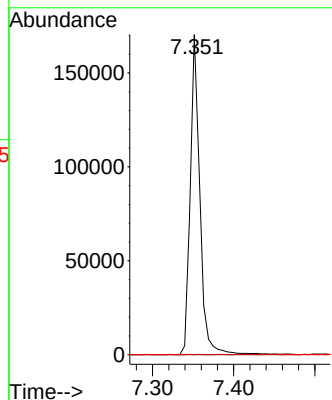
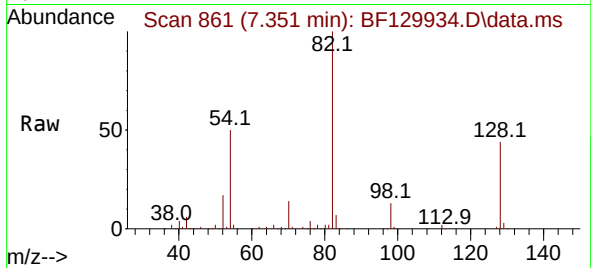




#25
Isophorone
Concen: 5.660 ng
RT: 7.351 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF129934.D
Acq: 20 Aug 2022 04:29

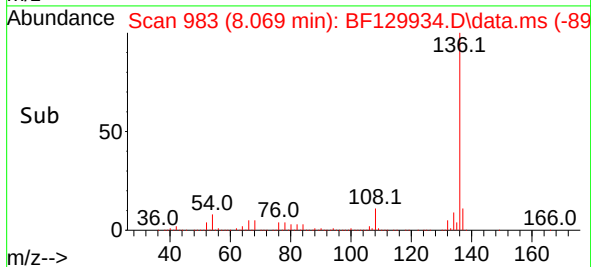
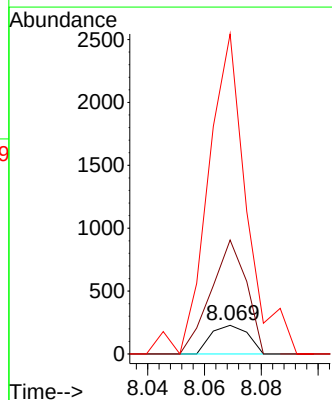
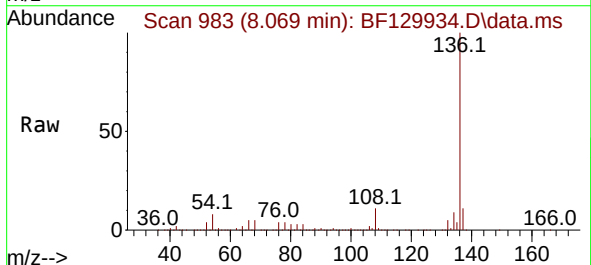
Instrument :
BNA_F
ClientSampleId :
BU-01-081722

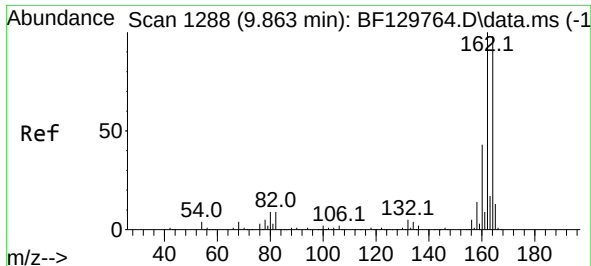
Tgt Ion: 82 Resp: 140505
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 2.208 ng
RT: 8.069 min Scan# 983
Delta R.T. 0.194 min
Lab File: BF129934.D
Acq: 20 Aug 2022 04:29

Tgt Ion: 122 Resp: 206
Ion Ratio Lower Upper
122 100
105 397.4 99.9 139.9#
77 1115.8 65.9 105.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129934.D

Acq: 20 Aug 2022 04:29

Instrument :

BNA_F

ClientSampleId :

BU-01-081722

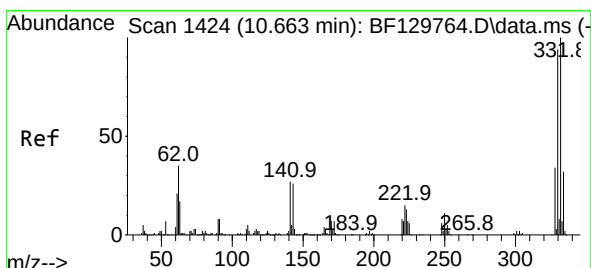
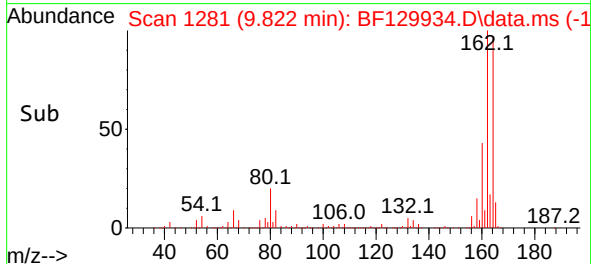
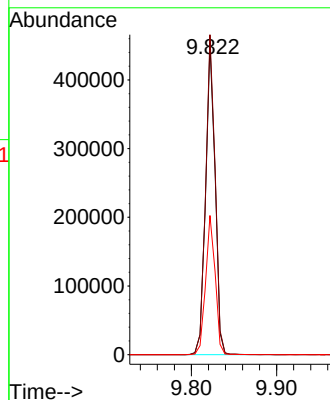
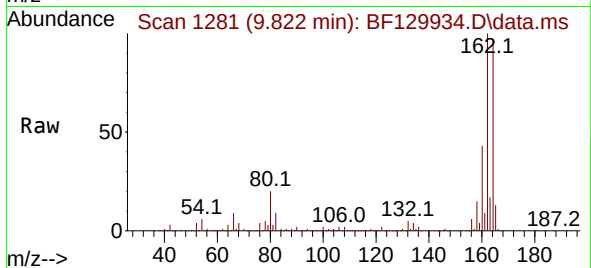
Tgt Ion:164 Resp: 350998

Ion Ratio Lower Upper

164 100

162 102.9 82.0 123.0

160 44.7 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 11.402 ng

RT: 10.616 min Scan# 1416

Delta R.T. -0.006 min

Lab File: BF129934.D

Acq: 20 Aug 2022 04:29

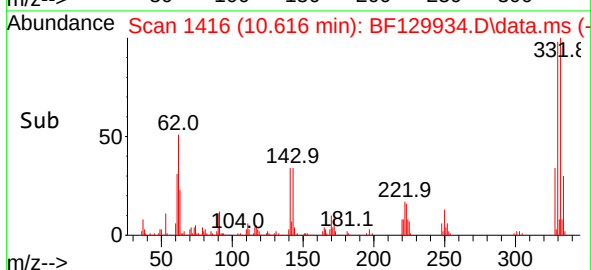
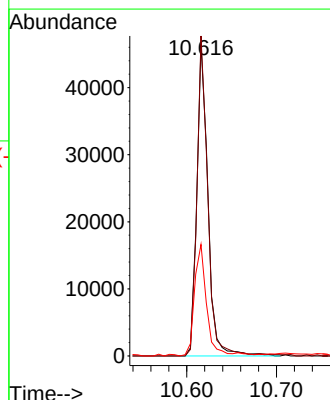
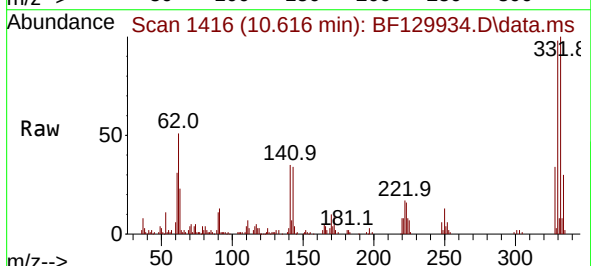
Tgt Ion:330 Resp: 40167

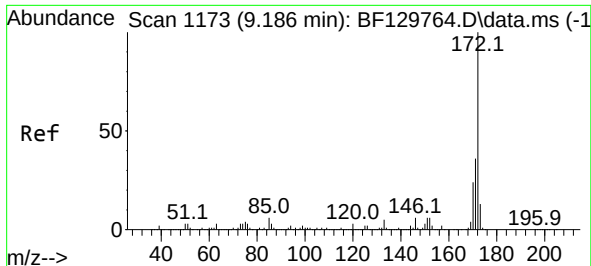
Ion Ratio Lower Upper

330 100

332 99.0 82.6 124.0

141 38.1 27.6 41.4

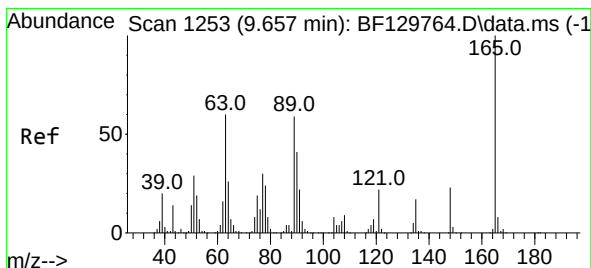
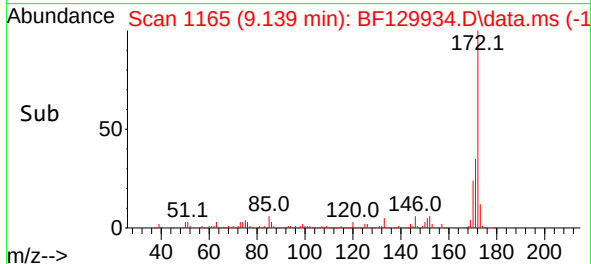
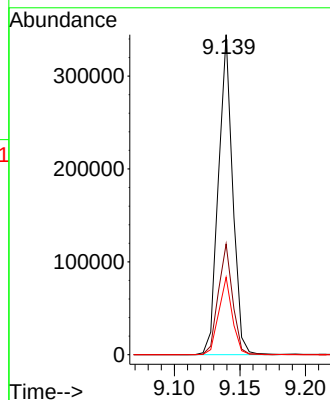
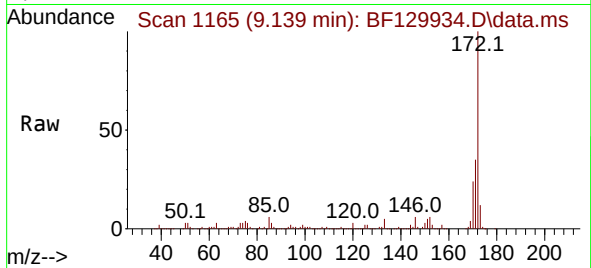




#45
2-Fluorobiphenyl
Concen: 11.222 ng
RT: 9.139 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF129934.D
Acq: 20 Aug 2022 04:29

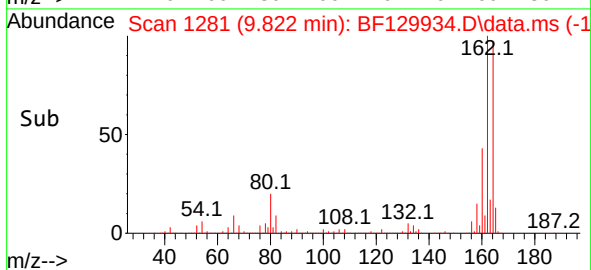
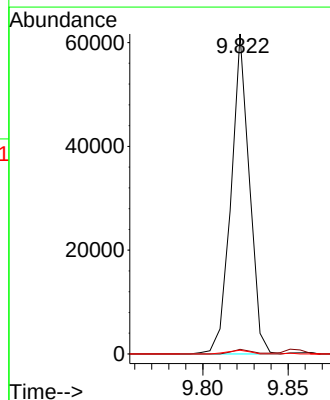
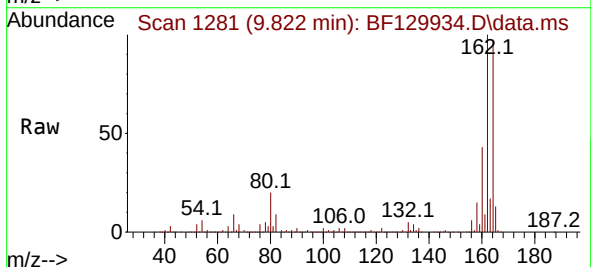
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BU-01-081722

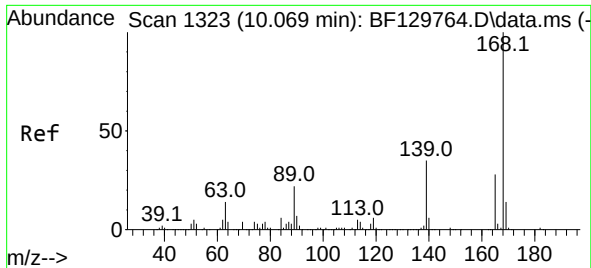
Tgt Ion:172 Resp: 259334
Ion Ratio Lower Upper
172 100
171 34.6 28.4 42.6
170 24.2 19.1 28.7



#51
2,6-Dinitrotoluene
Concen: 8.457 ng
RT: 9.822 min Scan# 1281
Delta R.T. 0.200 min
Lab File: BF129934.D
Acq: 20 Aug 2022 04:29

Tgt Ion:165 Resp: 46161
Ion Ratio Lower Upper
165 100
63 1.4 47.8 71.8#
89 1.1 47.2 70.8#

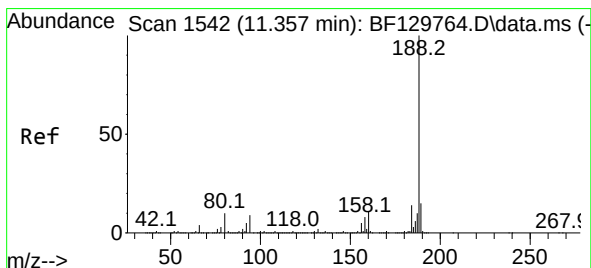
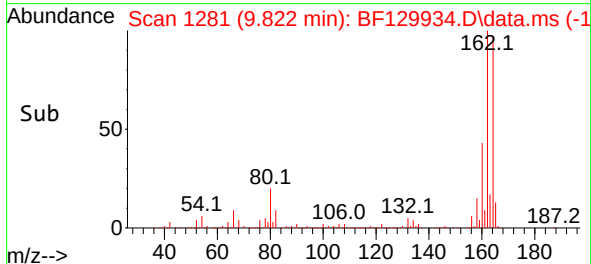
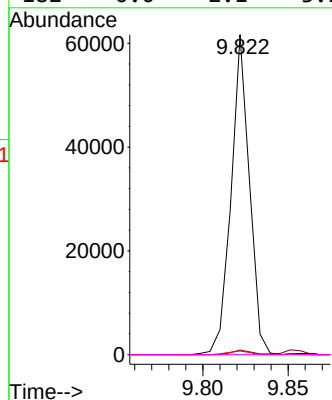
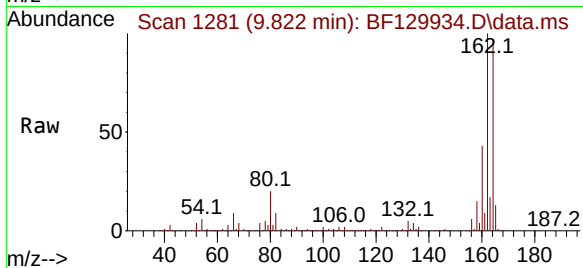




#57
2,4-Dinitrotoluene
Concen: 6.515 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF129934.D
Acq: 20 Aug 2022 04:29

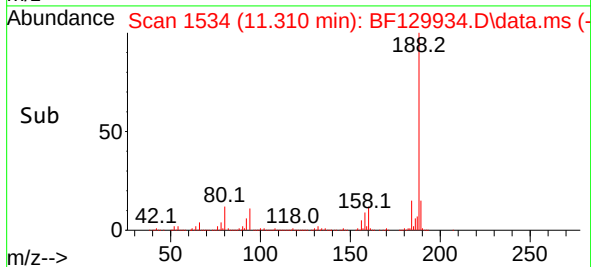
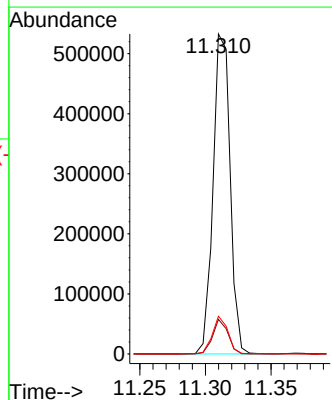
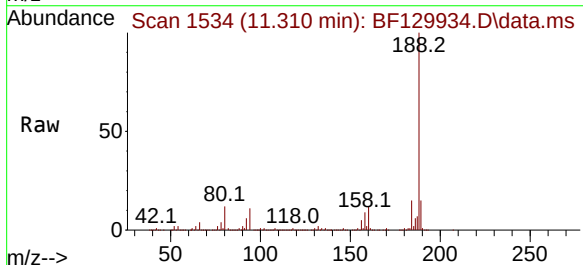
Instrument :
BNA_F
ClientSampleId :
BU-01-081722

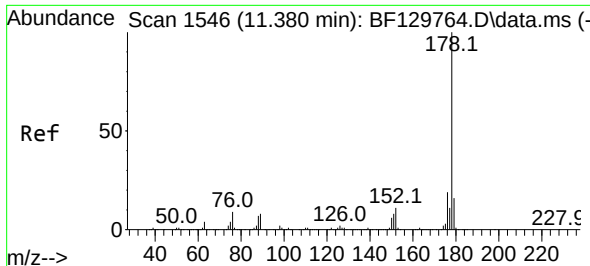
Tgt Ion:165 Resp: 46161
Ion Ratio Lower Upper
165 100
63 1.4 48.4 72.6#
89 1.1 62.3 93.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF129934.D
Acq: 20 Aug 2022 04:29

Tgt Ion:188 Resp: 481785
Ion Ratio Lower Upper
188 100
94 10.8 7.4 11.2
80 11.8 7.9 11.9

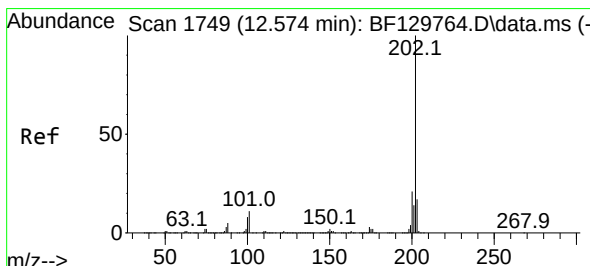
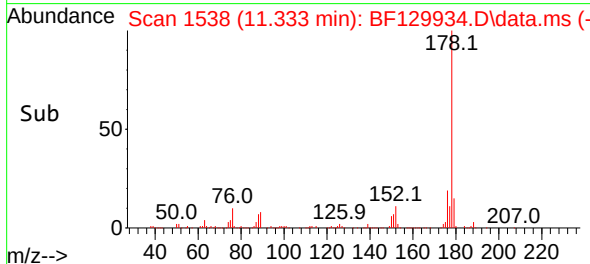
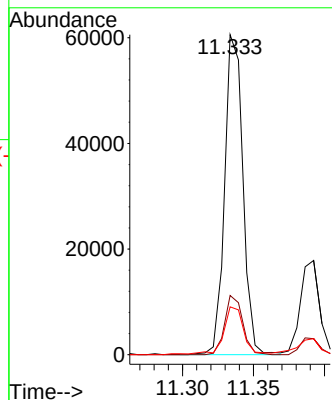
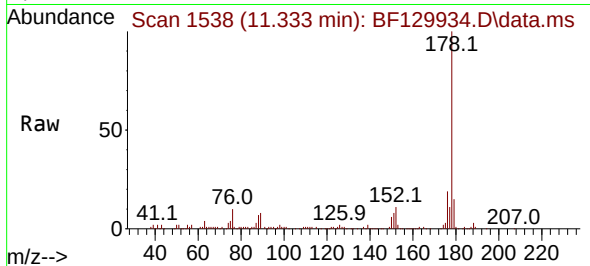




#71
Phenanthrene
Concen: 2.012 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129934.D
Acq: 20 Aug 2022 04:29

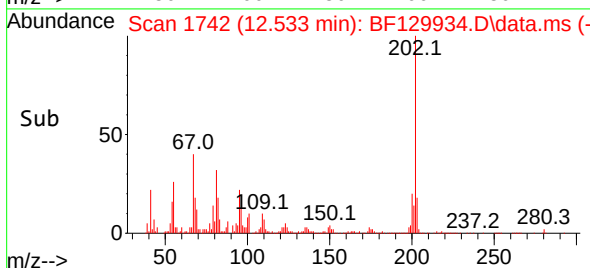
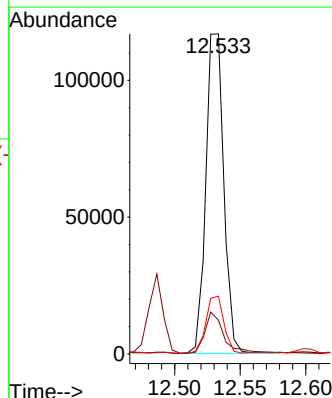
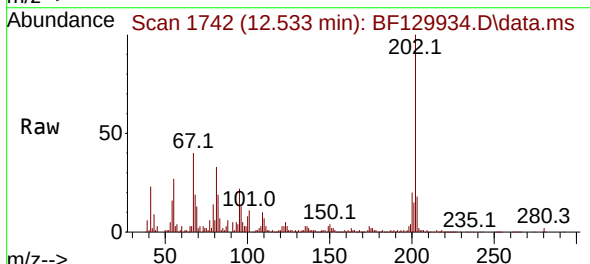
Instrument :
BNA_F
ClientSampleId :
BU-01-081722

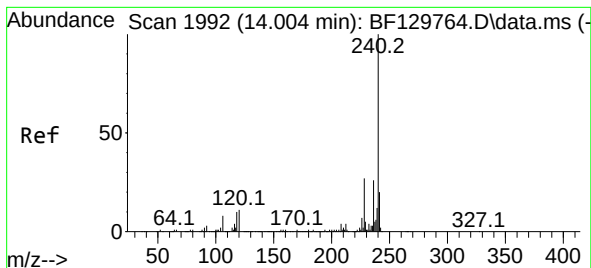
Tgt Ion:178 Resp: 54145
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.0 12.5 18.7



#75
Fluoranthene
Concen: 4.065 ng
RT: 12.533 min Scan# 1742
Delta R.T. 0.000 min
Lab File: BF129934.D
Acq: 20 Aug 2022 04:29

Tgt Ion:202 Resp: 111919
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.7
203 18.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 1992

Delta R.T. 0.000 min

Lab File: BF129934.D

Acq: 20 Aug 2022 04:29

Instrument :

BNA_F

ClientSampleId :

BU-01-081722

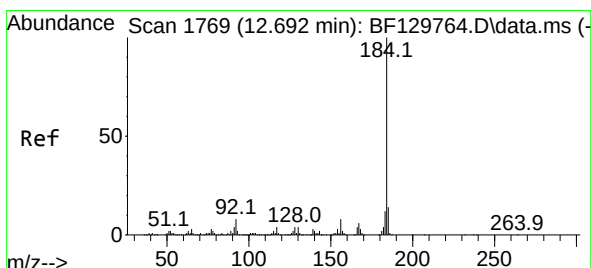
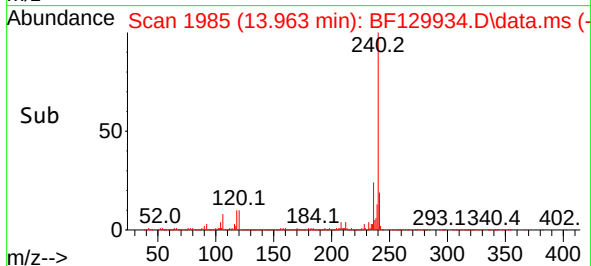
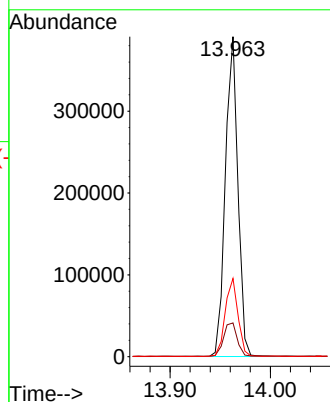
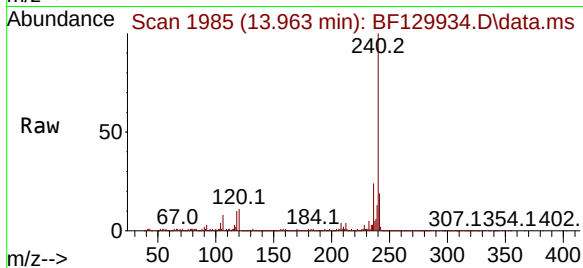
Tgt Ion:240 Resp: 337576

Ion Ratio Lower Upper

240 100

120 10.6 9.2 13.8

236 24.4 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.639 min Scan# 1760

Delta R.T. -0.018 min

Lab File: BF129934.D

Acq: 20 Aug 2022 04:29

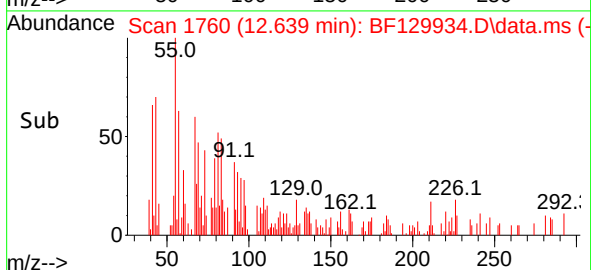
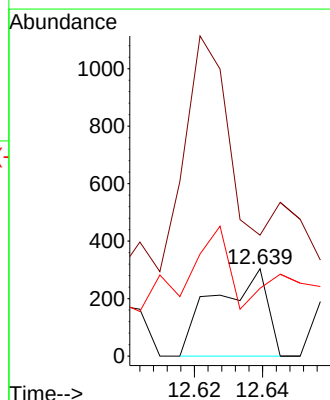
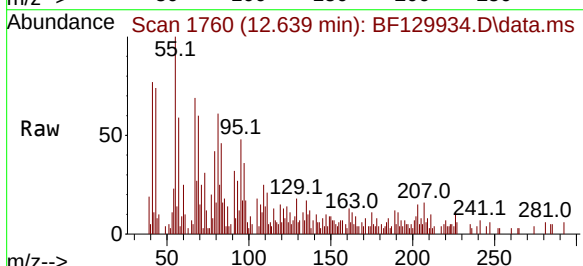
Tgt Ion:184 Resp: 323

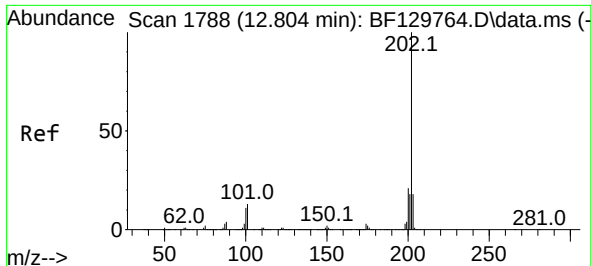
Ion Ratio Lower Upper

184 100

185 138.5 11.4 17.2#

183 77.6 9.4 14.2#

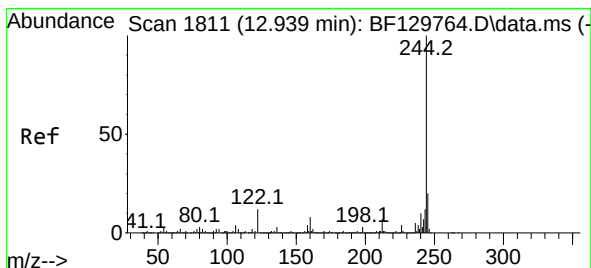
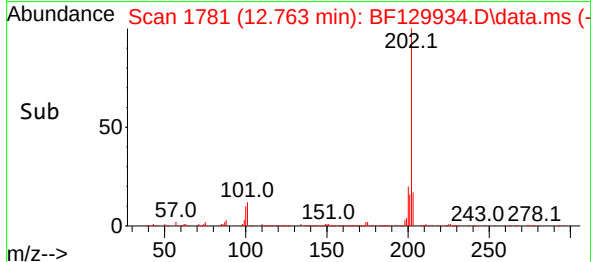
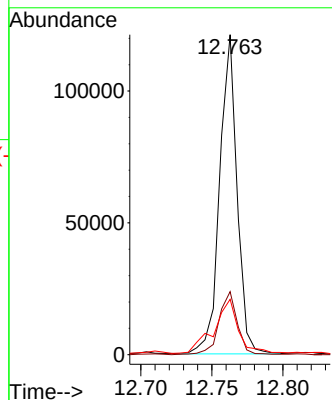
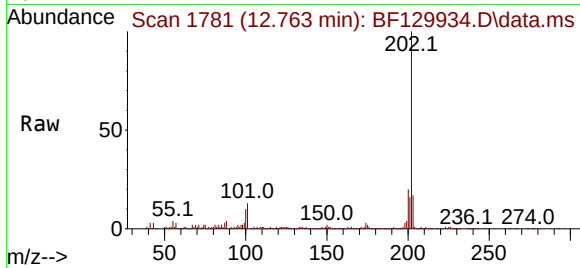




#78
Pyrene
Concen: 3.507 ng
RT: 12.763 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF129934.D
Acq: 20 Aug 2022 04:29

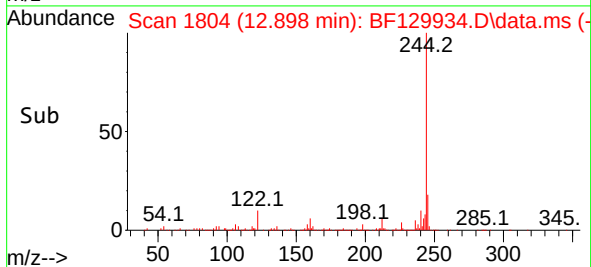
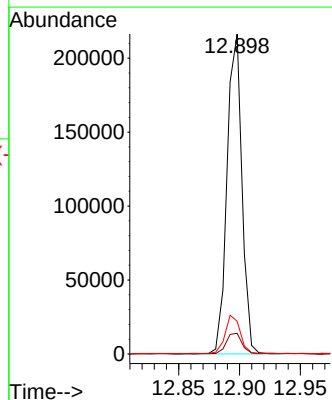
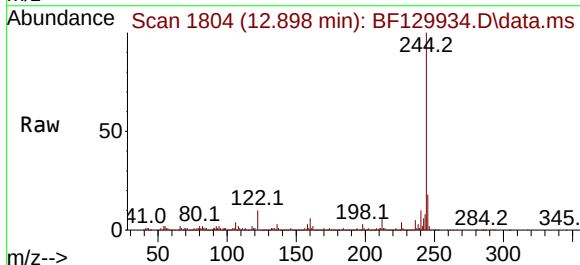
Instrument :
BNA_F
ClientSampleId :
BU-01-081722

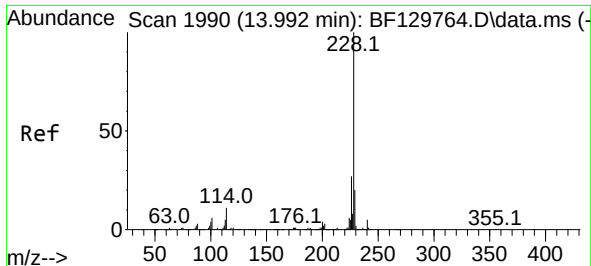
Tgt Ion:202 Resp: 102885
Ion Ratio Lower Upper
202 100
200 19.7 17.0 25.6
203 17.3 14.1 21.1



#79
Terphenyl-d14
Concen: 9.099 ng
RT: 12.898 min Scan# 1804
Delta R.T. 0.000 min
Lab File: BF129934.D
Acq: 20 Aug 2022 04:29

Tgt Ion:244 Resp: 184591
Ion Ratio Lower Upper
244 100
212 6.4 5.9 8.9
122 10.2 9.9 14.9

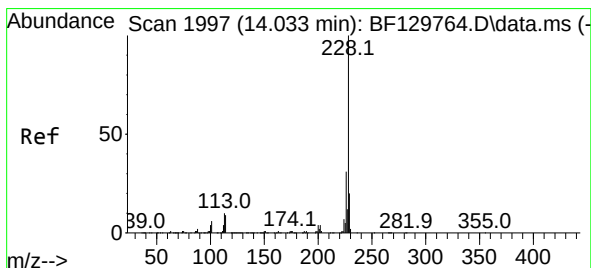
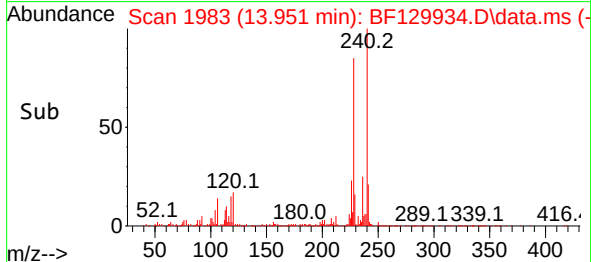
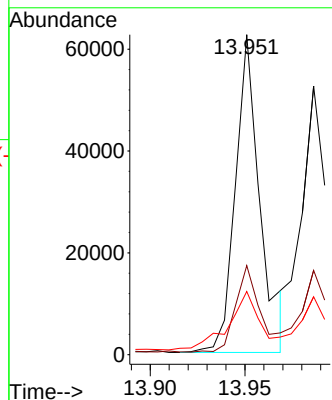
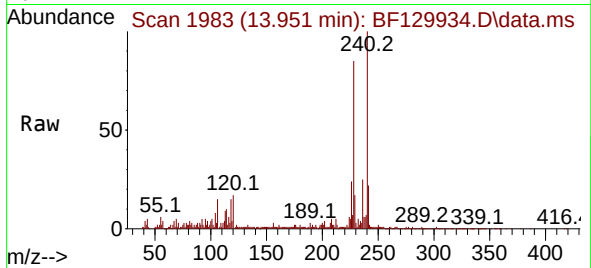




#81
Benzo(a)anthracene
Concen: 2.423 ng
RT: 13.951 min Scan# 1983
Delta R.T. 0.000 min
Lab File: BF129934.D
Acq: 20 Aug 2022 04:29

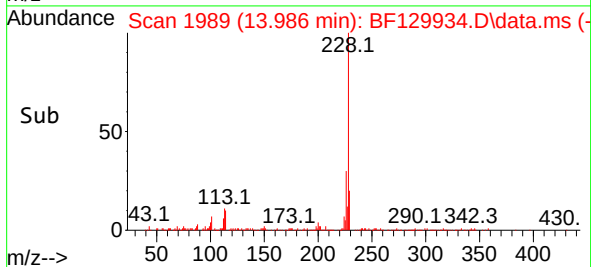
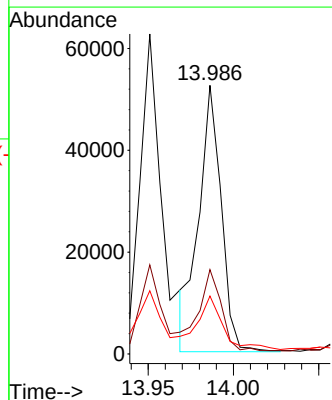
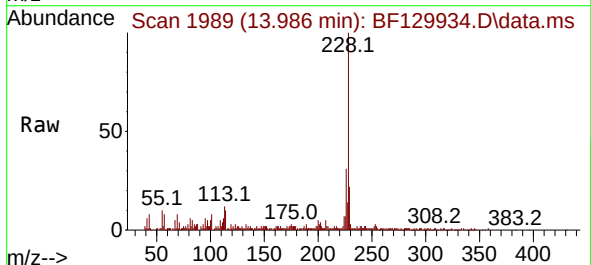
Instrument :
BNA_F
ClientSampleId :
BU-01-081722

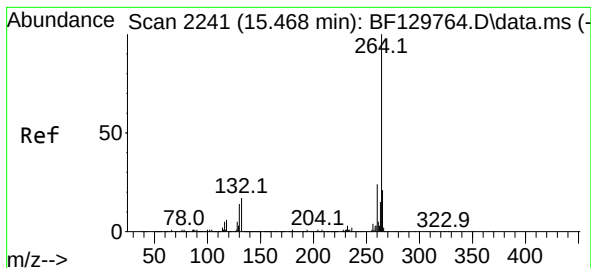
Tgt Ion:228 Resp: 56275
Ion Ratio Lower Upper
228 100
226 27.9 21.4 32.0
229 19.7 16.1 24.1



#83
Chrysene
Concen: 2.212 ng
RT: 13.986 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF129934.D
Acq: 20 Aug 2022 04:29

Tgt Ion:228 Resp: 48094
Ion Ratio Lower Upper
228 100
226 31.4 24.4 36.6
229 21.6 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129934.D

Acq: 20 Aug 2022 04:29

Instrument :

BNA_F

ClientSampleId :

BU-01-081722

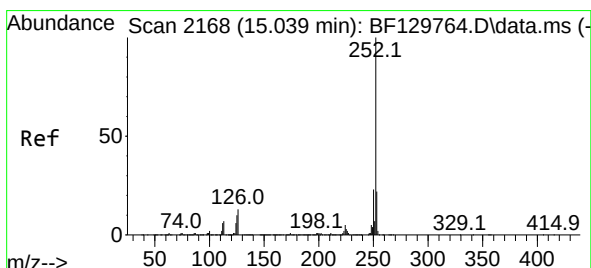
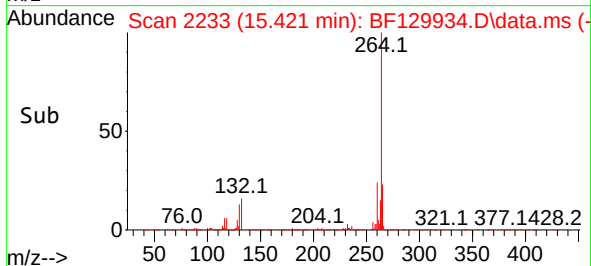
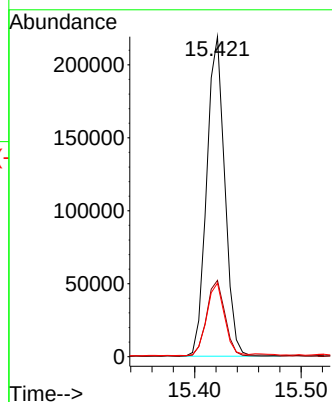
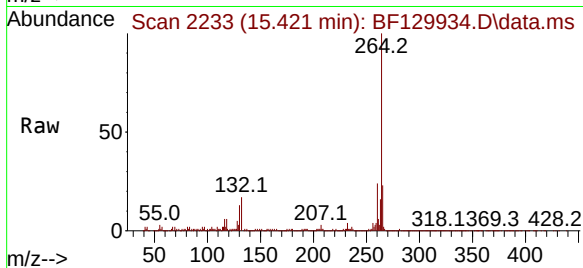
Tgt Ion:264 Resp: 258637

Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

265 23.0 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 4.611 ng

RT: 14.998 min Scan# 2161

Delta R.T. 0.000 min

Lab File: BF129934.D

Acq: 20 Aug 2022 04:29

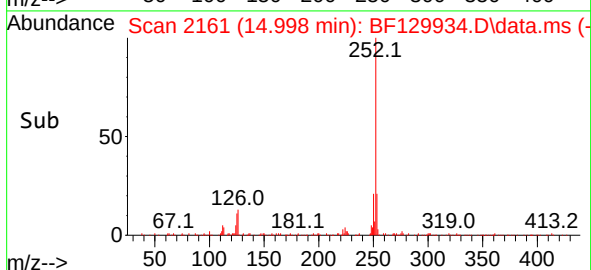
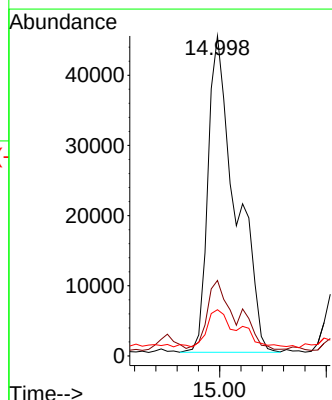
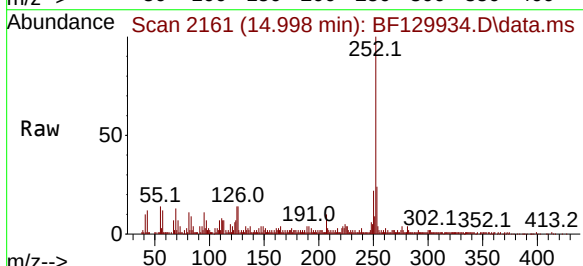
Tgt Ion:252 Resp: 81669

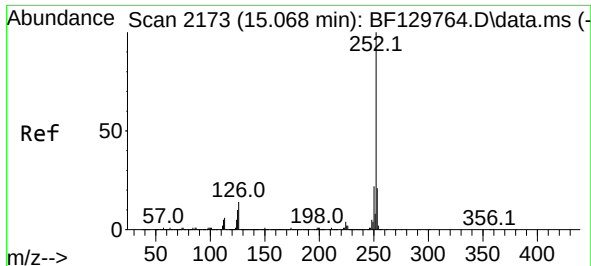
Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 14.5 8.3 12.5#

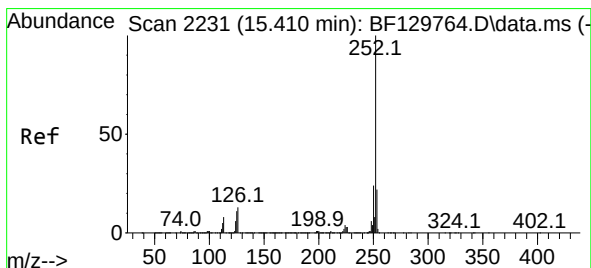
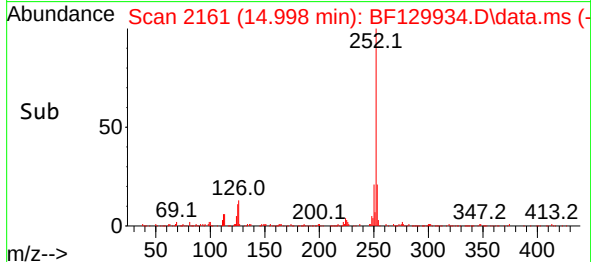
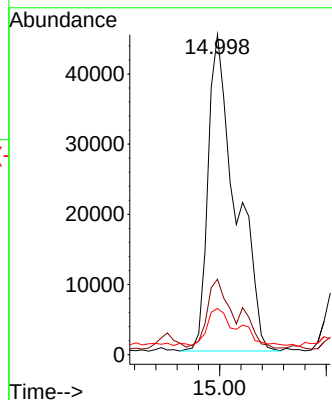
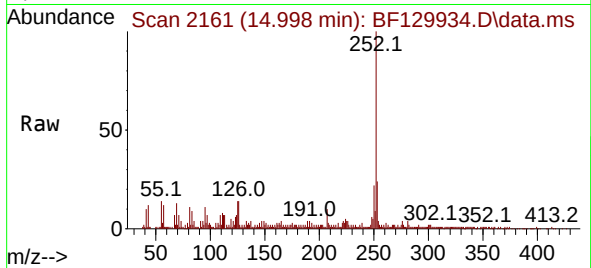




#89
Benzo(k)fluoranthene
Concen: 4.808 ng
RT: 14.998 min Scan# 2173
Delta R.T. -0.023 min
Lab File: BF129934.D
Acq: 20 Aug 2022 04:29

Instrument :
BNA_F
ClientSampleId :
BU-01-081722

Tgt Ion:252 Resp: 81669
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 14.5 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 2.953 ng
RT: 15.363 min Scan# 2223
Delta R.T. 0.006 min
Lab File: BF129934.D
Acq: 20 Aug 2022 04:29

Tgt Ion:252 Resp: 41185
Ion Ratio Lower Upper
252 100
253 25.6 17.2 25.8
125 15.1 8.8 13.2#

