

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081922\
 Data File : BF129933.D
 Acq On : 20 Aug 2022 03:58
 Operator : CG\JU
 Sample : N4242-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081722

Quant Time: Aug 20 08:00:26 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)

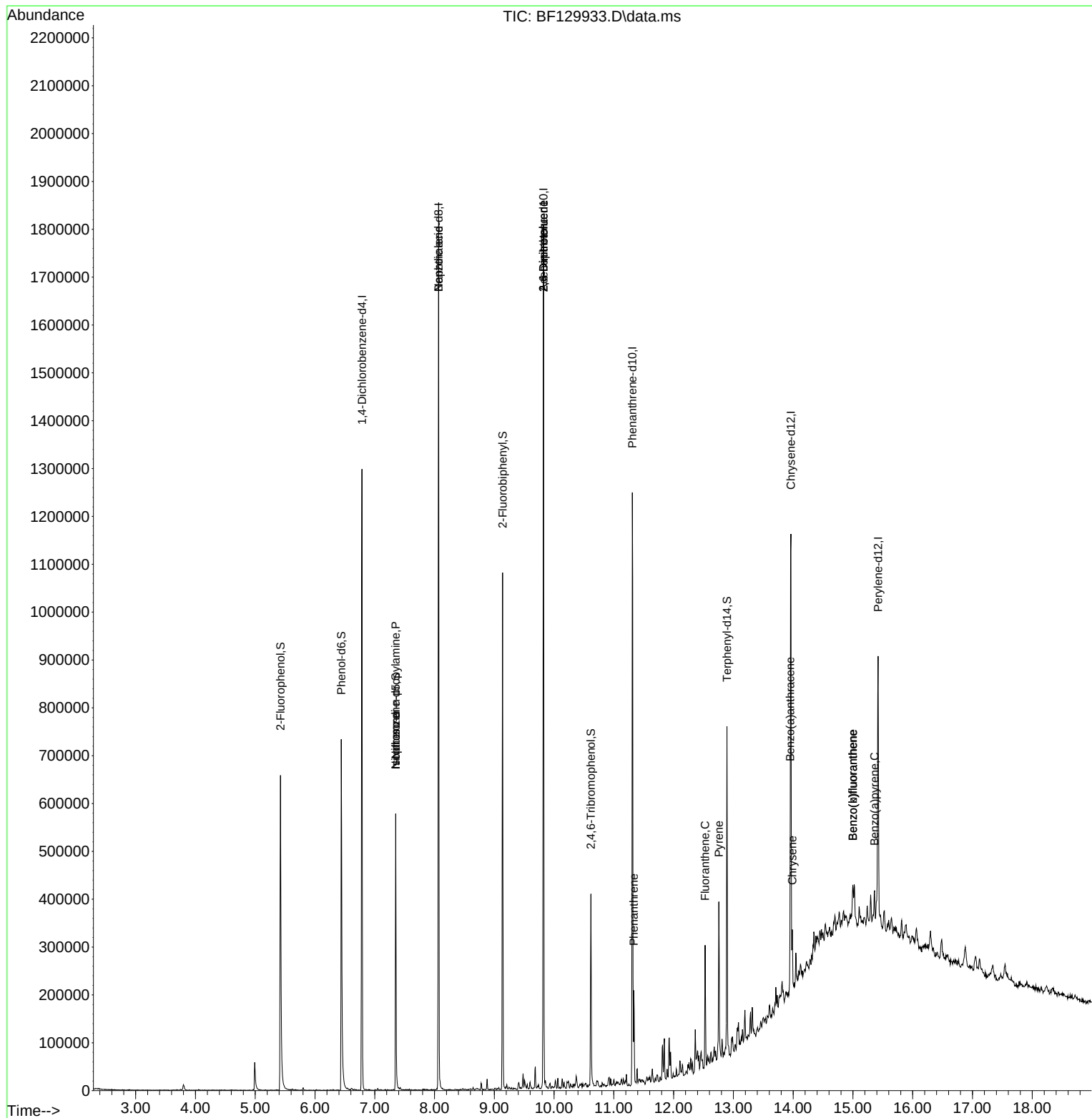
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	189950	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	714723	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	324532	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	433094	20.000	ng	0.00
76) Chrysene-d12	13.963	240	319224	20.000	ng	0.00
86) Perylene-d12	15.421	264	246904	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	217229	18.935	ng	0.00
7) Phenol-d6	6.440	99	268745	18.706	ng	0.00
23) Nitrobenzene-d5	7.351	82	160857	12.048	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	43355	13.311	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	287598	13.460	ng	0.00
79) Terphenyl-d14	12.892	244	198051	10.323	ng	0.00
Target Compounds					Qvalue	
9) Benzaldehyde	6.440	77	407	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.351	70	21636	2.383	ng	# 77
25) Isophorone	7.351	82	160855	7.000	ng	# 65
32) Benzoic acid	8.069	122	148	2.194	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	43391	8.598	ng	# 23
57) 2,4-Dinitrotoluene	9.822	165	43391	6.623	ng	# 18
71) Phenanthrene	11.333	178	66942	2.768	ng	99
75) Fluoranthene	12.527	202	86050	3.477	ng	100
77) Benzidine	12.680	184	953	Below Cal	#	1
78) Pyrene	12.757	202	117751	4.245	ng	100
81) Benzo(a)anthracene	13.951	228	44501	2.026	ng	92
83) Chrysene	13.986	228	44181	2.149	ng	95
88) Benzo(b)fluoranthene	14.998	252	56127	3.320	ng	# 91
89) Benzo(k)fluoranthene	14.998	252	56127	3.462	ng	# 90
90) Benzo(a)pyrene	15.363	252	33243	2.497	ng	# 94

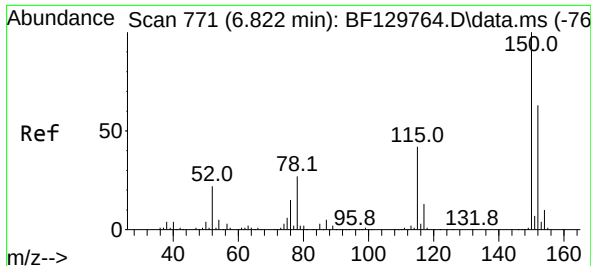
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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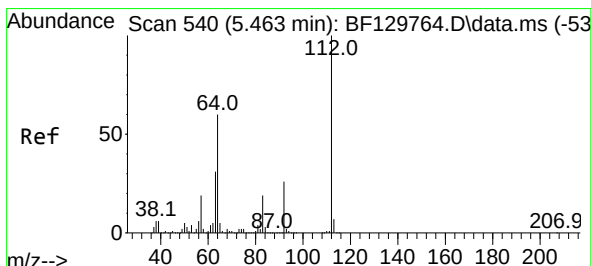
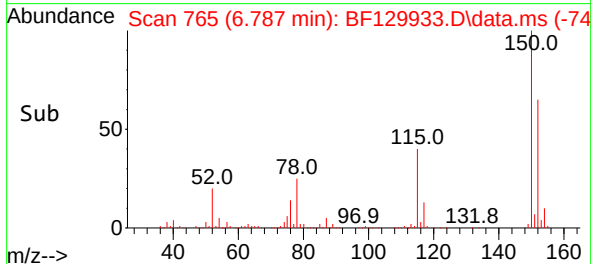
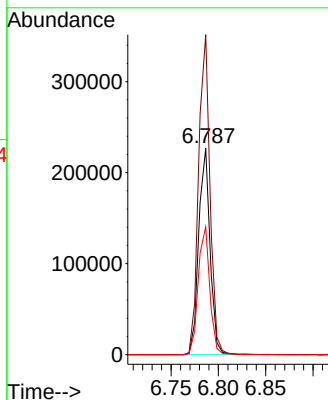
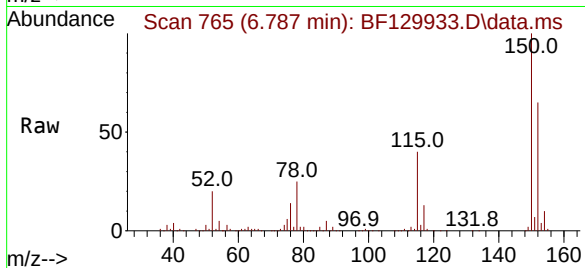




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF129933.D
 Acq: 20 Aug 2022 03:58

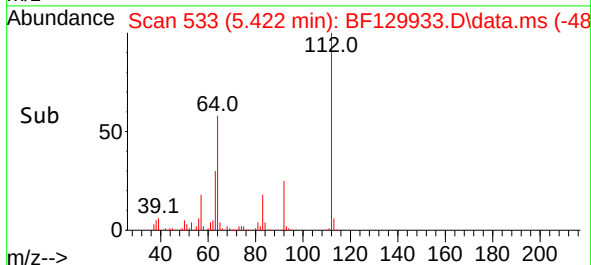
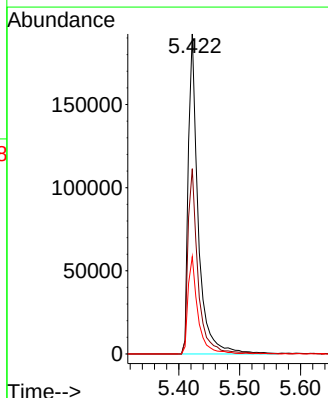
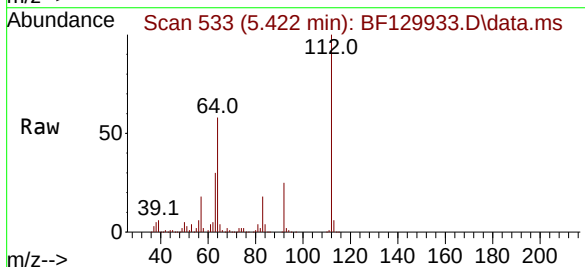
Instrument :
 BNA_F
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 CL-02-081722

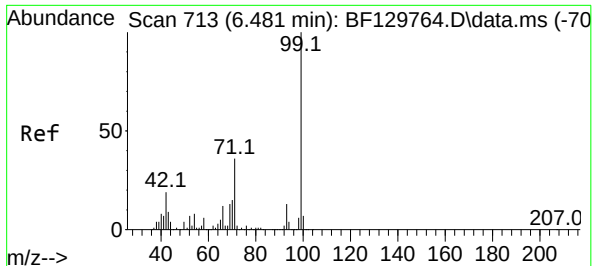
Tgt Ion:152 Resp: 189950
 Ion Ratio Lower Upper
 152 100
 150 155.0 126.9 190.3
 115 61.9 53.4 80.0



#5
 2-Fluorophenol
 Concen: 18.935 ng
 RT: 5.422 min Scan# 533
 Delta R.T. 0.000 min
 Lab File: BF129933.D
 Acq: 20 Aug 2022 03:58

Tgt Ion:112 Resp: 217229
 Ion Ratio Lower Upper
 112 100
 64 57.9 47.6 71.4
 63 30.4 24.6 37.0

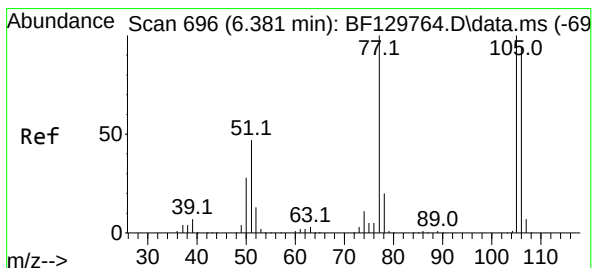
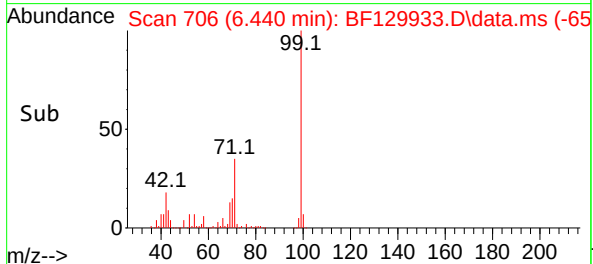
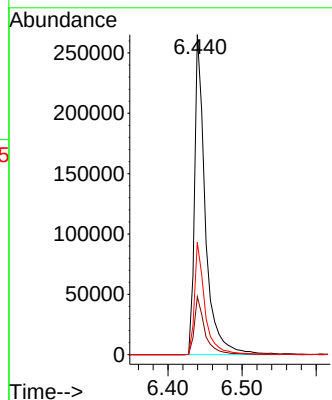
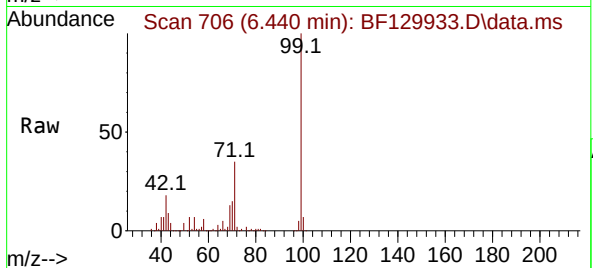




#7
Phenol-d6
Concen: 18.706 ng
RT: 6.440 min Scan# 706
Delta R.T. -0.006 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

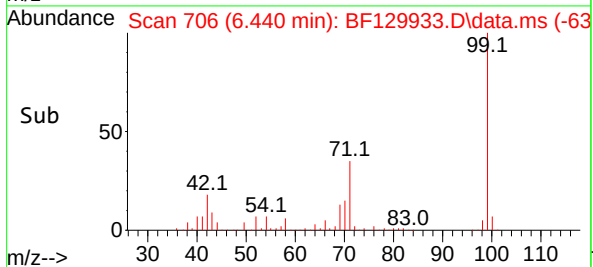
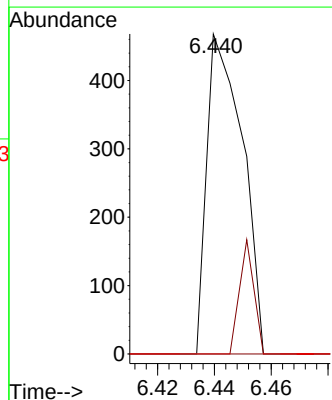
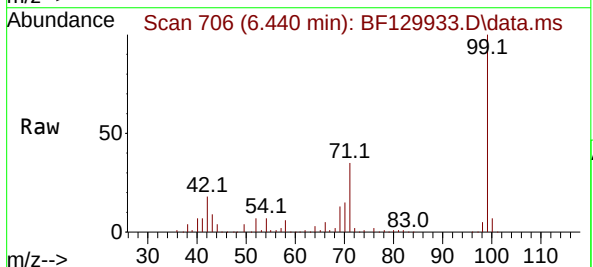
Instrument :
BNA_F
ClientSampleId :
CL-02-081722

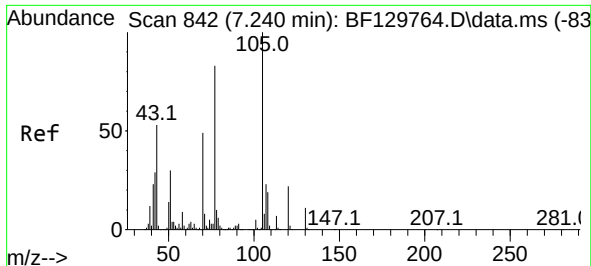
Tgt Ion: 99 Resp: 268745
Ion Ratio Lower Upper
99 100
42 18.1 15.0 22.4
71 35.1 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.440 min Scan# 706
Delta R.T. 0.094 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

Tgt Ion: 77 Resp: 407
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#

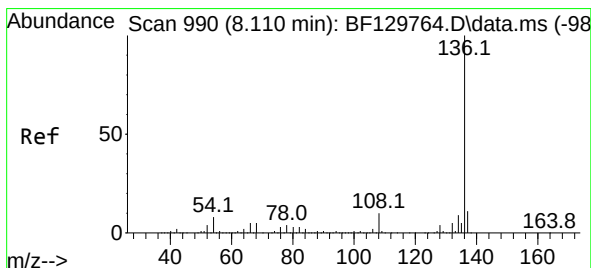
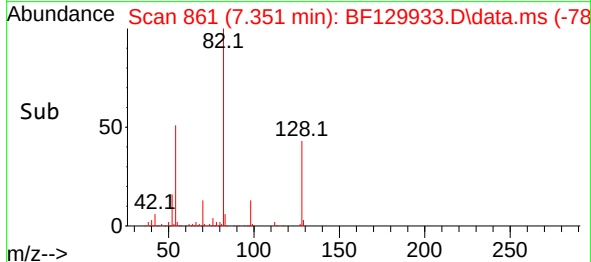
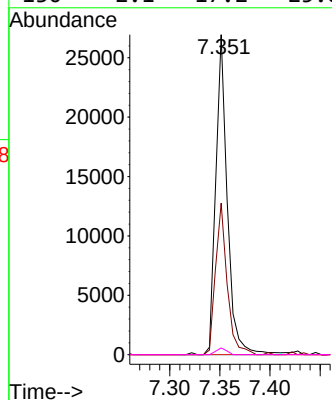
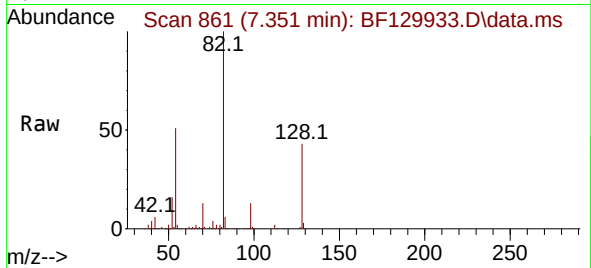




#19
n-Nitroso-di-n-propylamine
Concen: 2.383 ng
RT: 7.351 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

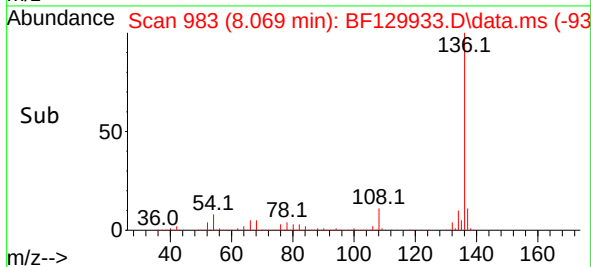
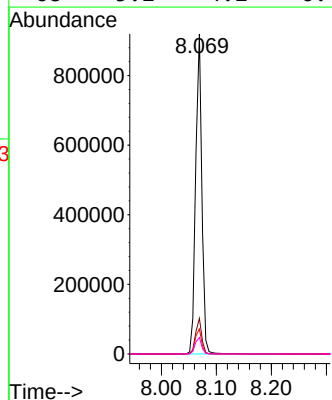
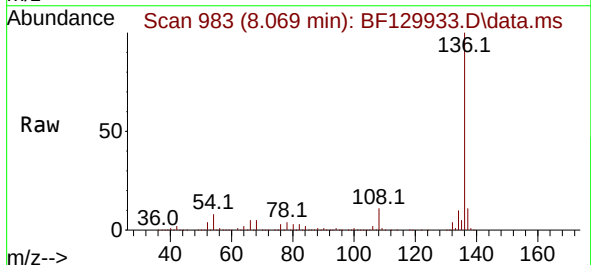
Instrument :
BNA_F
ClientSampleId :
CL-02-081722

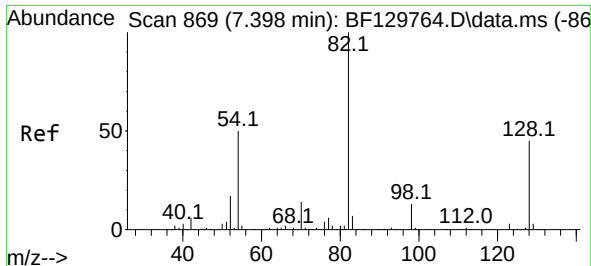
Tgt Ion: 70 Resp: 21636
Ion Ratio Lower Upper
70 100
42 47.3 47.6 71.4#
101 0.0 8.1 12.1#
130 2.1 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

Tgt Ion: 136 Resp: 714723
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 7.8 6.2 9.2
68 5.2 4.2 6.4

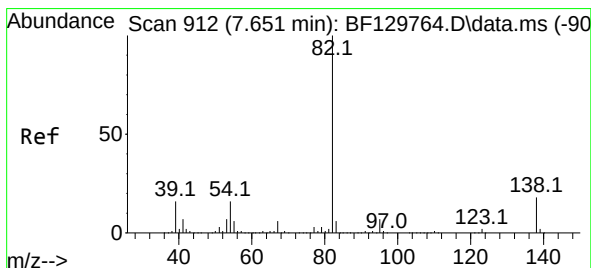
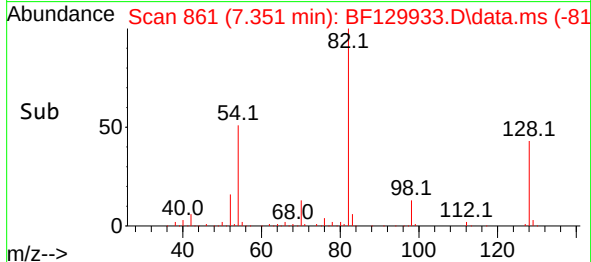
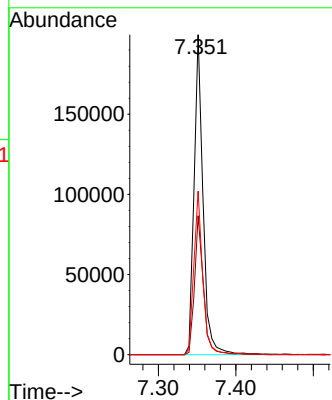
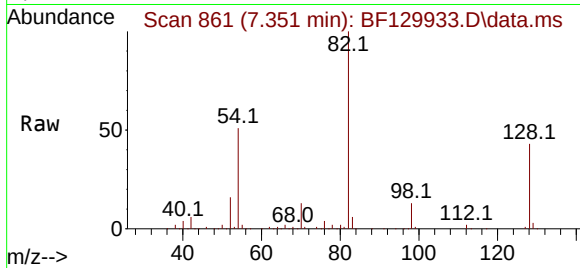




#23
Nitrobenzene-d5
Concen: 12.048 ng
RT: 7.351 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

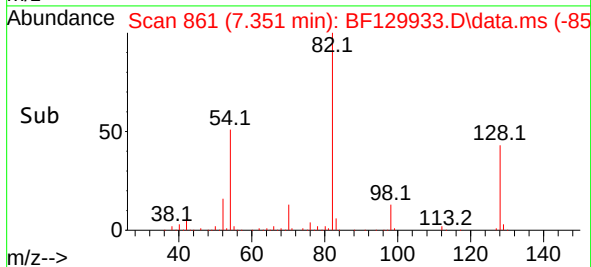
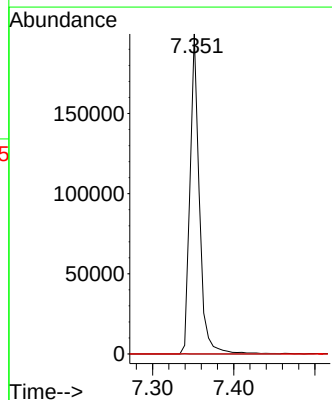
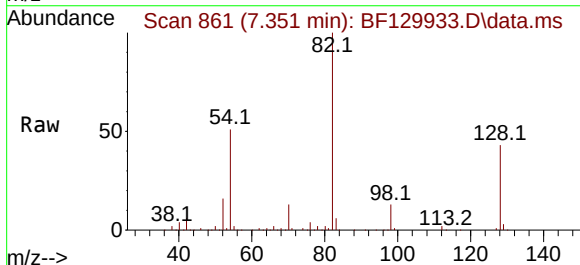
Instrument :
BNA_F
ClientSampleId :
CL-02-081722

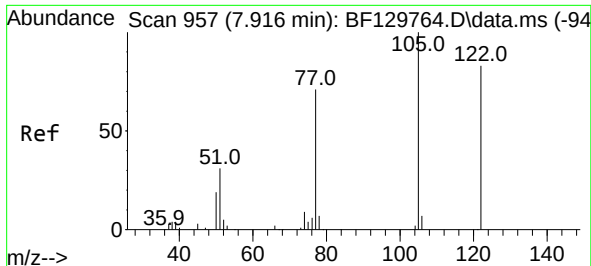
Tgt Ion: 82 Resp: 160857
Ion Ratio Lower Upper
82 100
128 43.5 36.1 54.1
54 51.1 40.0 60.0



#25
Isophorone
Concen: 7.000 ng
RT: 7.351 min Scan# 861
Delta R.T. -0.265 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

Tgt Ion: 82 Resp: 160855
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

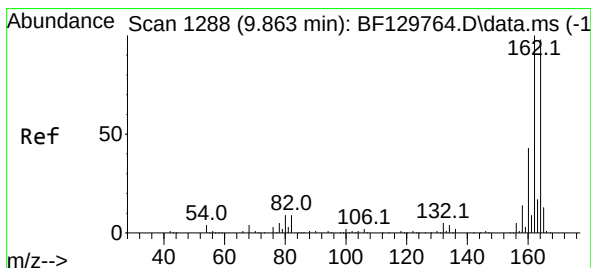
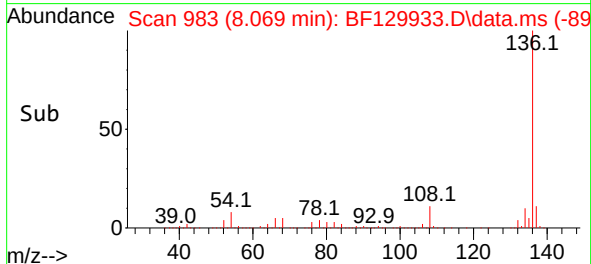
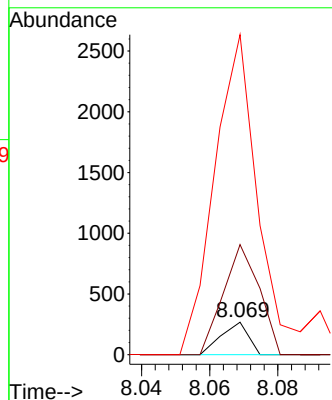
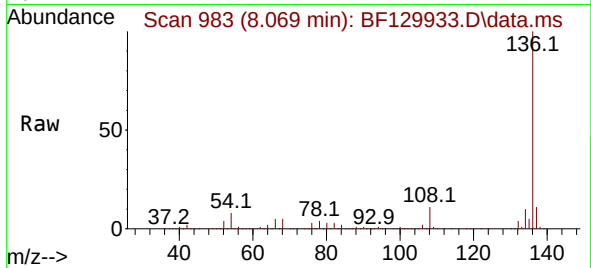




#32
Benzoic acid
Concen: 2.194 ng
RT: 8.069 min Scan# 91
Delta R.T. 0.194 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

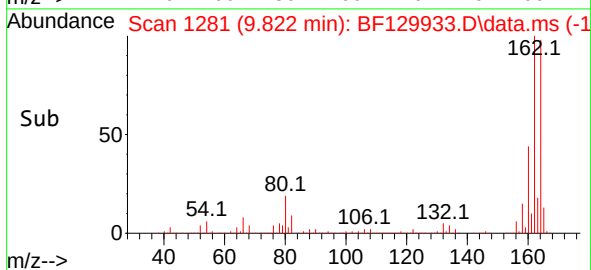
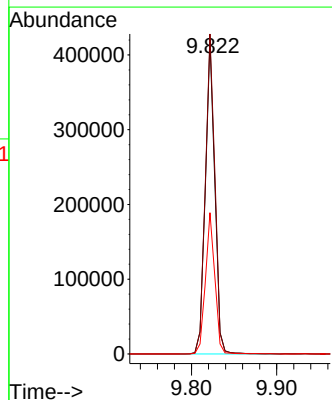
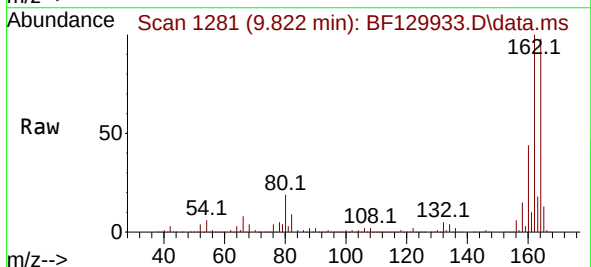
Instrument :
BNA_F
ClientSampleId :
CL-02-081722

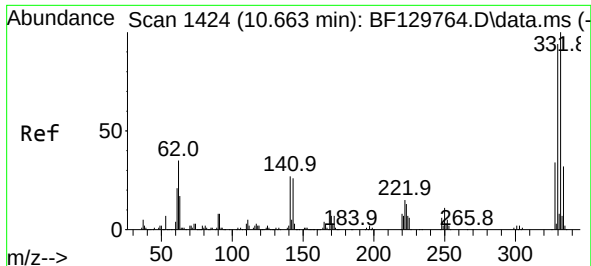
Tgt Ion:122 Resp: 148
Ion Ratio Lower Upper
122 100
105 339.7 99.9 139.9#
77 986.9 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

Tgt Ion:164 Resp: 324532
Ion Ratio Lower Upper
164 100
162 101.9 82.0 123.0
160 45.0 35.4 53.0

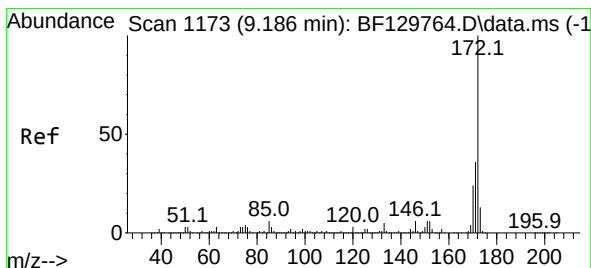
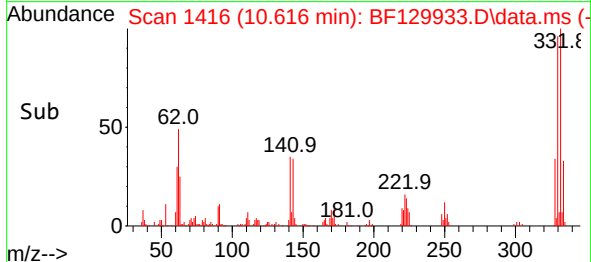
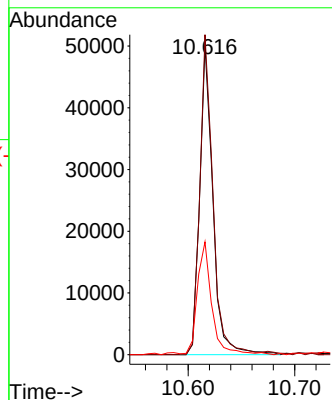
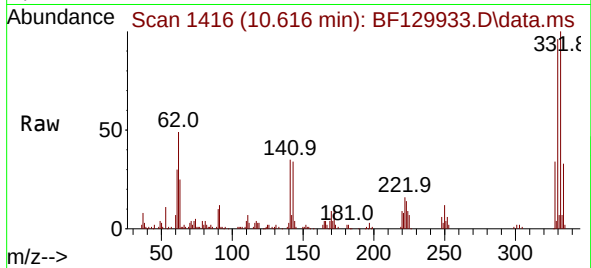




#42
2,4,6-Tribromophenol
Concen: 13.311 ng
RT: 10.616 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

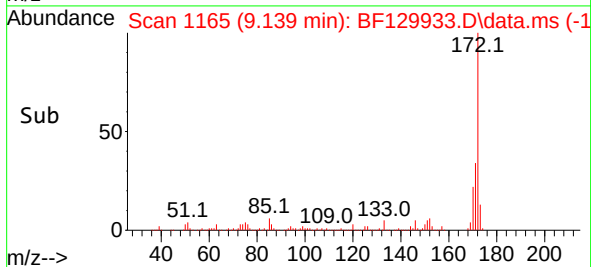
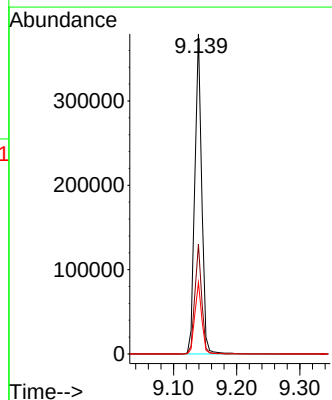
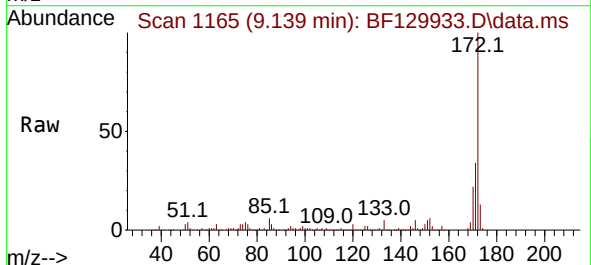
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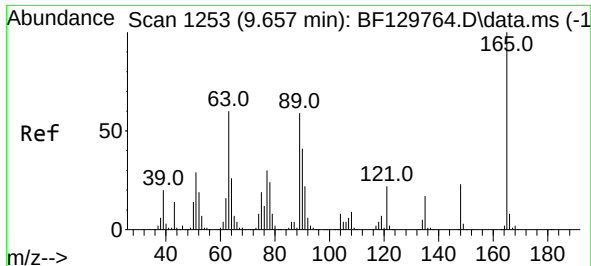
Tgt Ion:330 Resp: 43355
Ion Ratio Lower Upper
330 100
332 102.5 82.6 124.0
141 40.5 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 13.460 ng
RT: 9.139 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

Tgt Ion:172 Resp: 287598
Ion Ratio Lower Upper
172 100
171 34.2 28.4 42.6
170 22.3 19.1 28.7

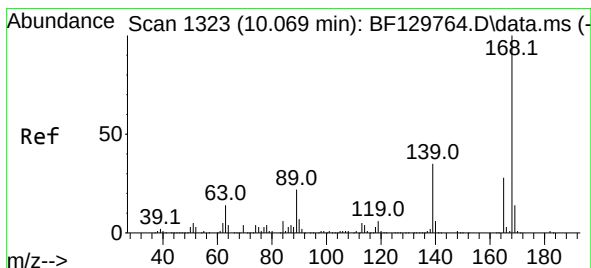
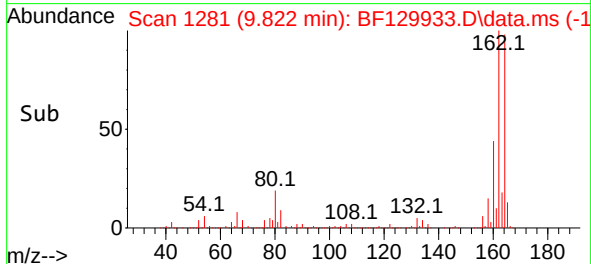
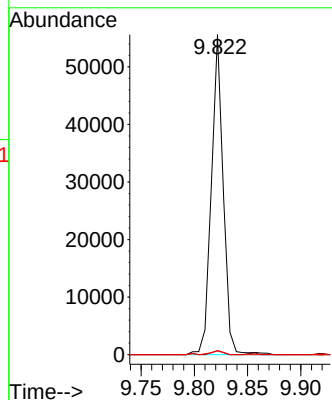
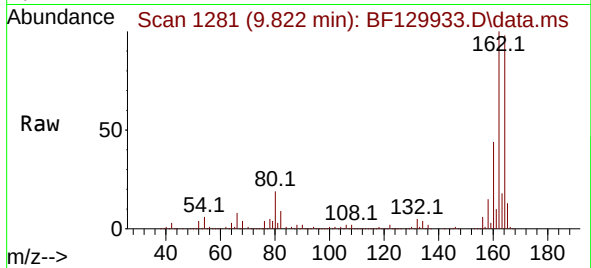




#51
2,6-Dinitrotoluene
Concen: 8.598 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

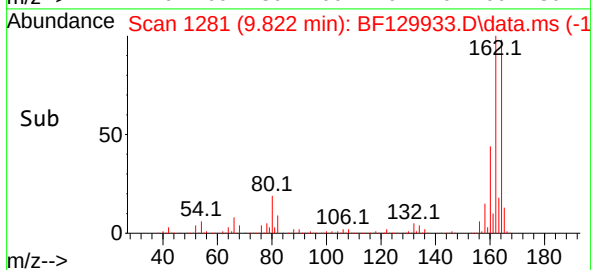
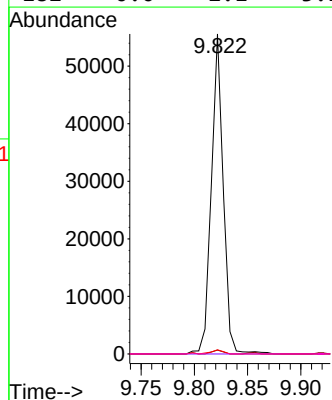
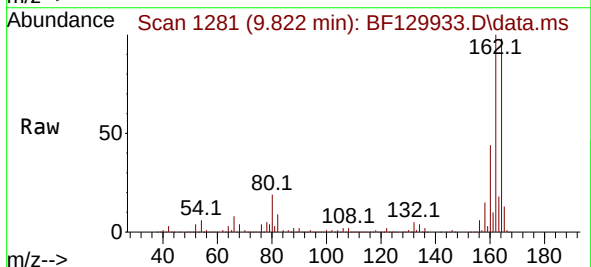
Instrument :
BNA_F
ClientSampleId :
CL-02-081722

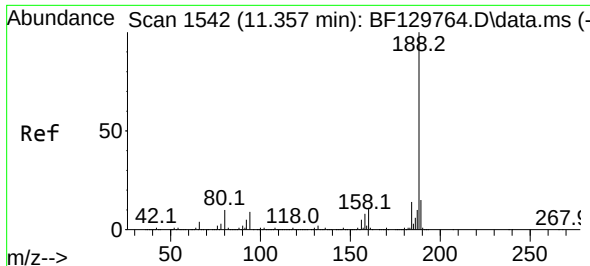
Tgt Ion:165 Resp: 43391
Ion Ratio Lower Upper
165 100
63 1.2 47.8 71.8#
89 1.3 47.2 70.8#



#57
2,4-Dinitrotoluene
Concen: 6.623 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.212 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

Tgt Ion:165 Resp: 43391
Ion Ratio Lower Upper
165 100
63 1.2 48.4 72.6#
89 1.3 62.3 93.5#
182 0.0 2.1 3.1#

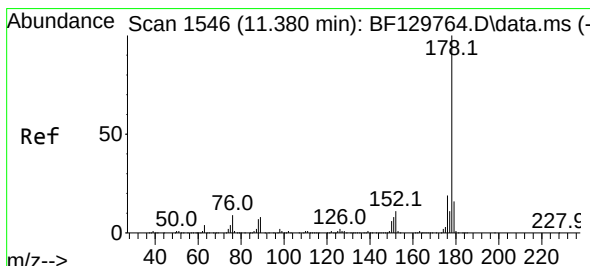
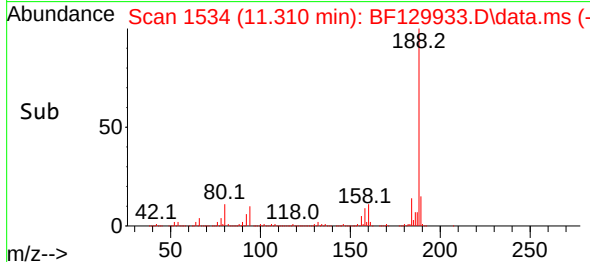
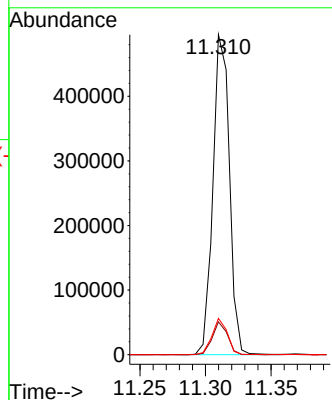
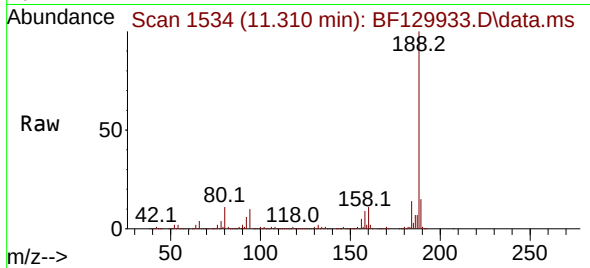




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

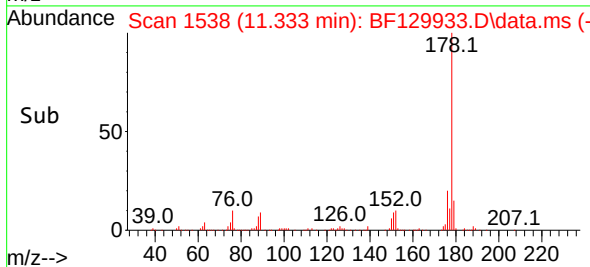
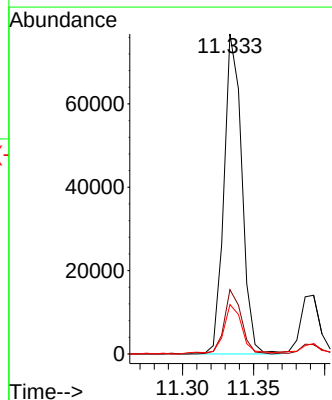
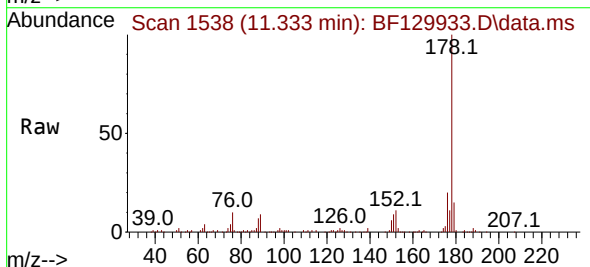
Instrument :
BNA_F
ClientSampleId :
CL-02-081722

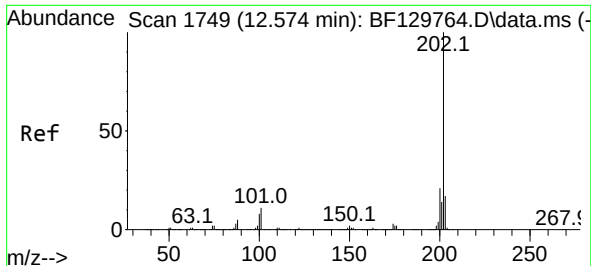
Tgt Ion:188 Resp: 433094
Ion Ratio Lower Upper
188 100
94 10.3 7.4 11.2
80 11.4 7.9 11.9



#71
Phenanthrene
Concen: 2.768 ng
RT: 11.333 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

Tgt Ion:178 Resp: 66942
Ion Ratio Lower Upper
178 100
176 20.1 15.5 23.3
179 15.5 12.5 18.7

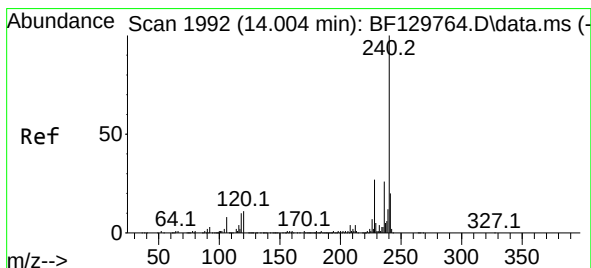
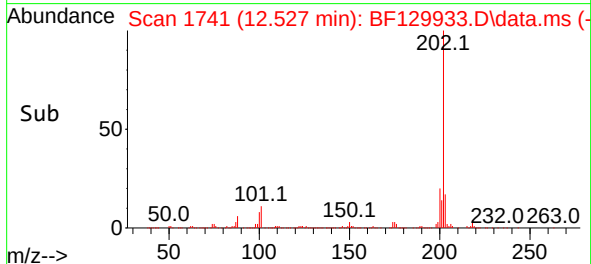
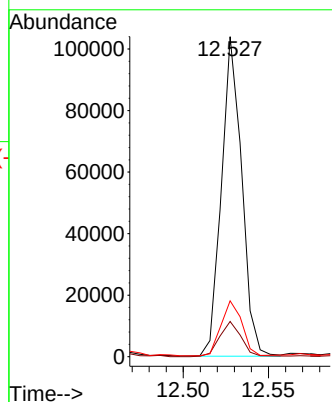
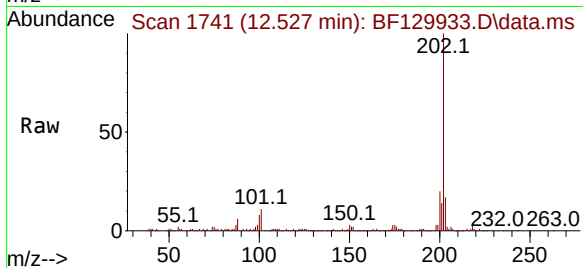




#75
Fluoranthene
Concen: 3.477 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

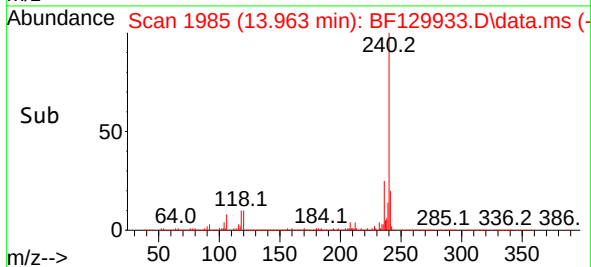
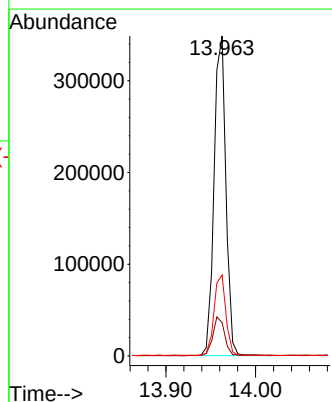
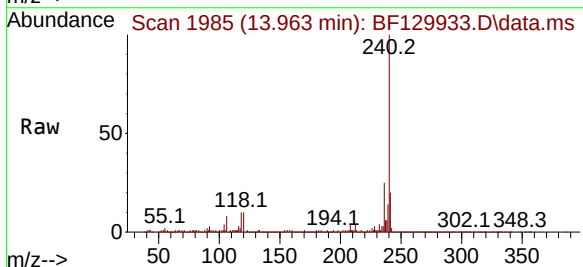
Instrument :
BNA_F
ClientSampleId :
CL-02-081722

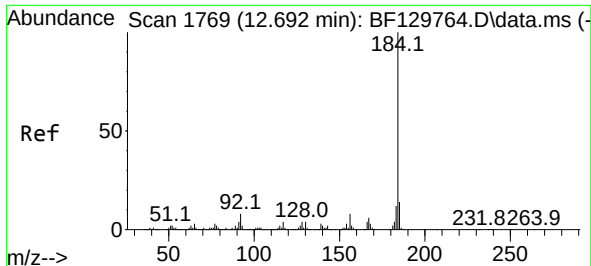
Tgt Ion:202 Resp: 86050
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.7
203 17.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 1985
Delta R.T. 0.000 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

Tgt Ion:240 Resp: 319224
Ion Ratio Lower Upper
240 100
120 10.4 9.2 13.8
236 25.3 20.7 31.1

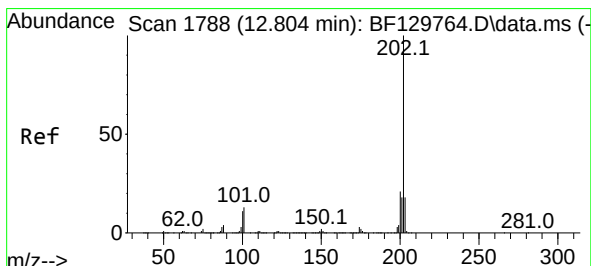
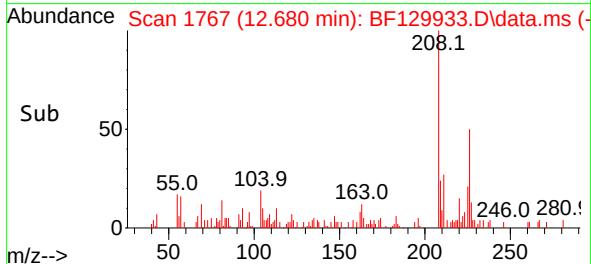
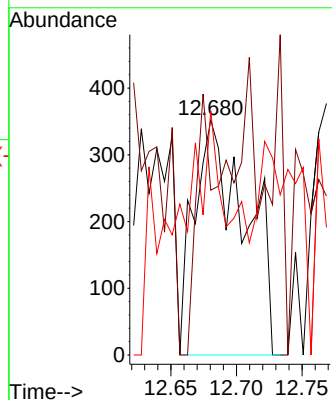
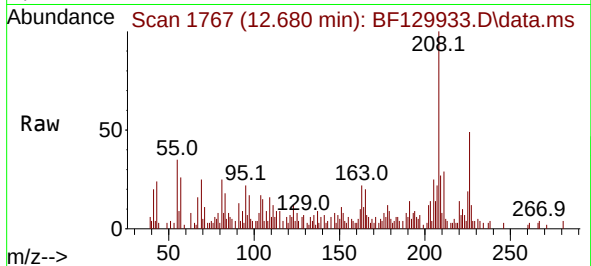




#77
Benzidine
Concen: Below Cal
RT: 12.680 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

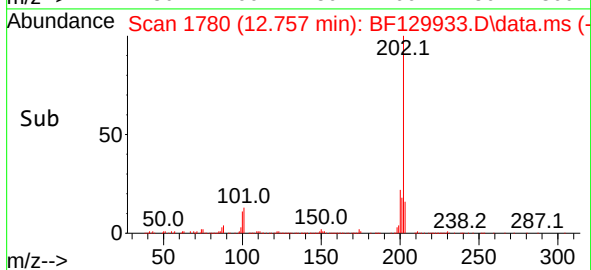
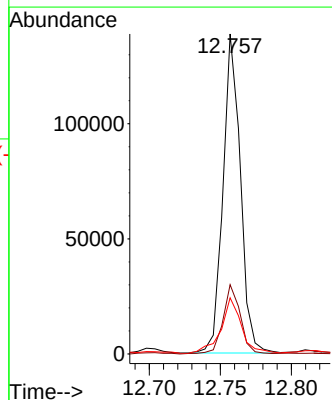
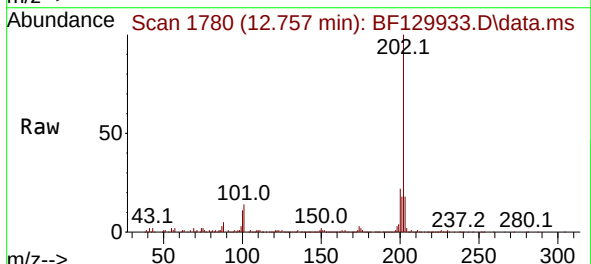
Instrument :
BNA_F
ClientSampleId :
CL-02-081722

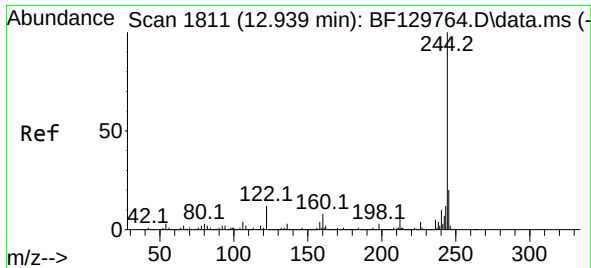
Tgt Ion:184 Resp: 953
Ion Ratio Lower Upper
184 100
185 70.2 11.4 17.2#
183 104.0 9.4 14.2#



#78
Pyrene
Concen: 4.245 ng
RT: 12.757 min Scan# 1780
Delta R.T. -0.006 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

Tgt Ion:202 Resp: 117751
Ion Ratio Lower Upper
202 100
200 21.7 17.0 25.6
203 17.5 14.1 21.1

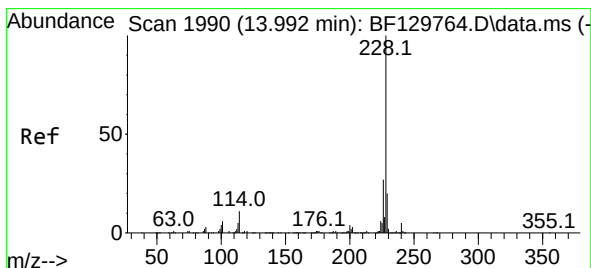
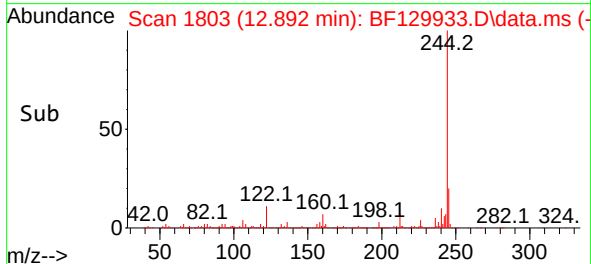
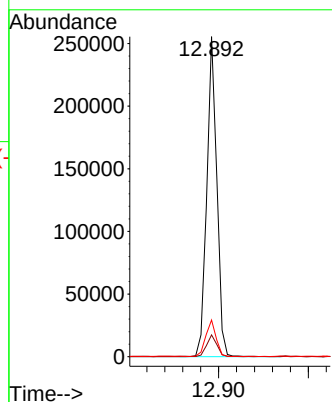
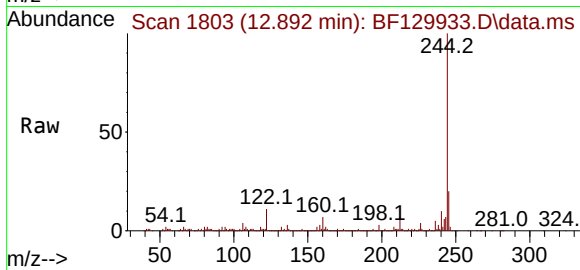




#79
 Terphenyl-d14
 Concen: 10.323 ng
 RT: 12.892 min Scan# 1803
 Delta R.T. -0.006 min
 Lab File: BF129933.D
 Acq: 20 Aug 2022 03:58

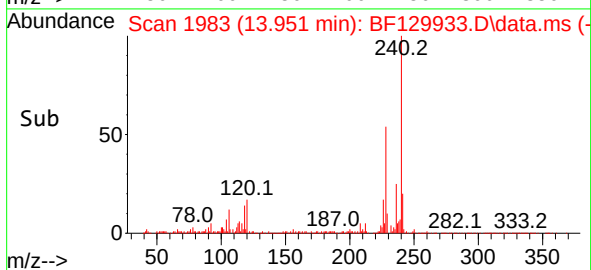
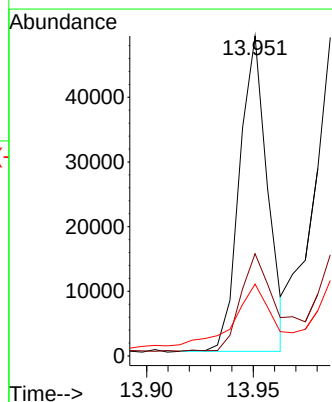
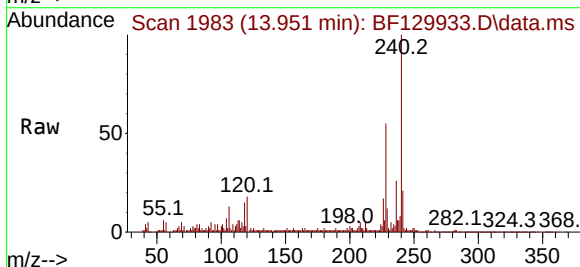
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-081722

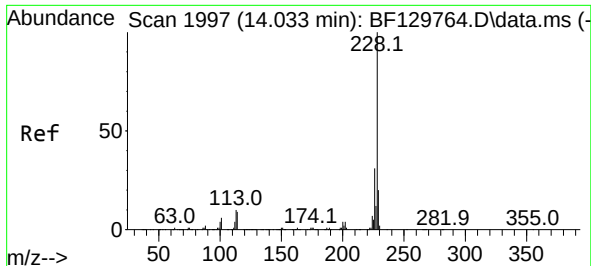
Tgt Ion:244 Resp: 198051
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 11.4 9.9 14.9



#81
 Benzo(a)anthracene
 Concen: 2.026 ng
 RT: 13.951 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: BF129933.D
 Acq: 20 Aug 2022 03:58

Tgt Ion:228 Resp: 44501
 Ion Ratio Lower Upper
 228 100
 226 31.9 21.4 32.0
 229 22.4 16.1 24.1

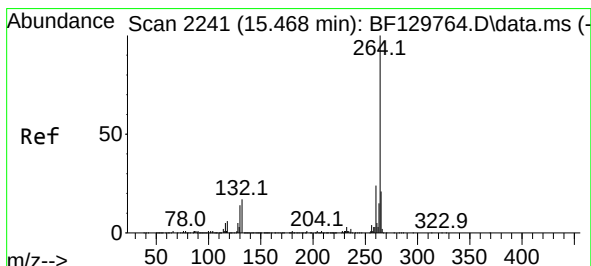
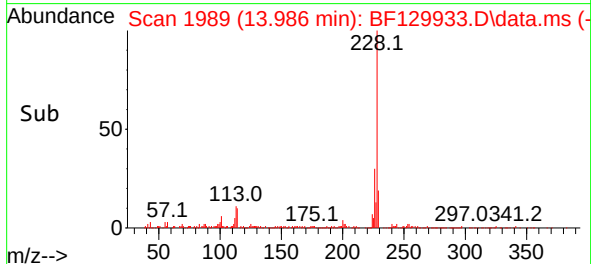
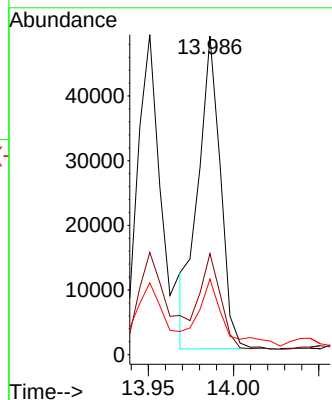
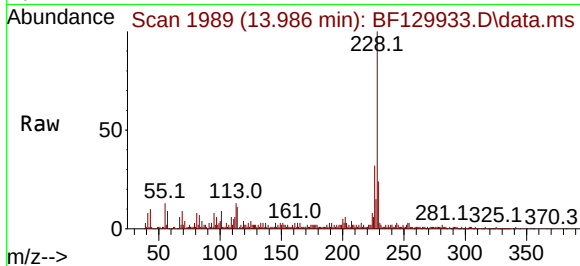




#83
Chrysene
Concen: 2.149 ng
RT: 13.986 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

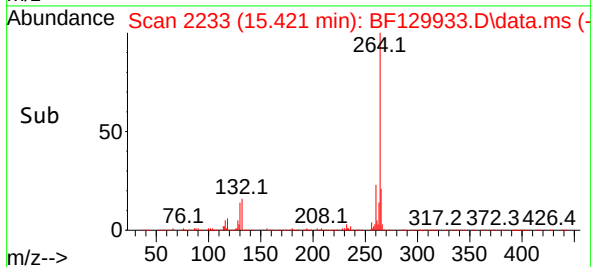
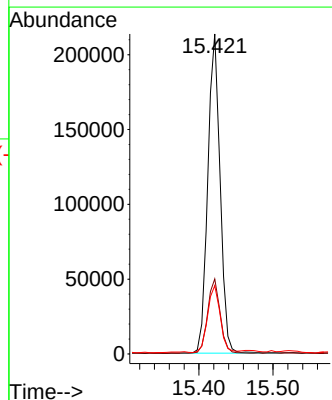
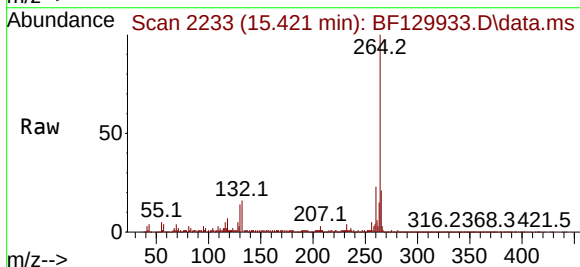
Instrument :
BNA_F
ClientSampleId :
CL-02-081722

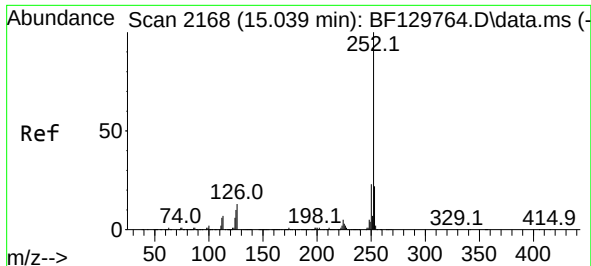
Tgt Ion:228 Resp: 44181
Ion Ratio Lower Upper
228 100
226 31.8 24.4 36.6
229 23.7 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2233
Delta R.T. 0.006 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

Tgt Ion:264 Resp: 246904
Ion Ratio Lower Upper
264 100
260 23.5 19.1 28.7
265 21.3 16.7 25.1

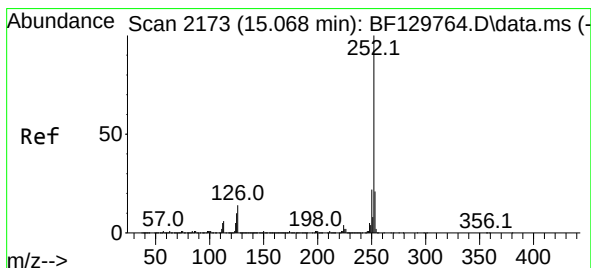
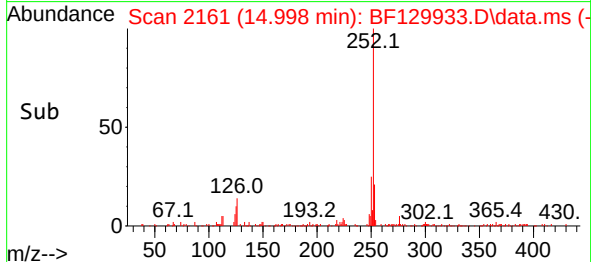
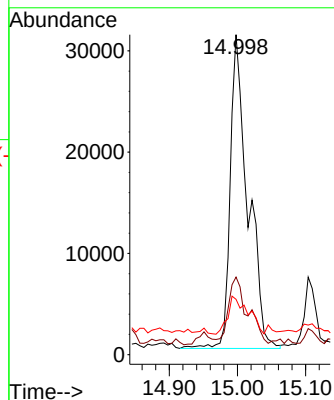
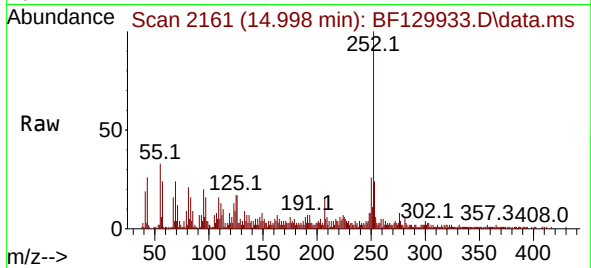




#88
Benzo(b)fluoranthene
Concen: 3.320 ng
RT: 14.998 min Scan# 2161
Delta R.T. 0.000 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

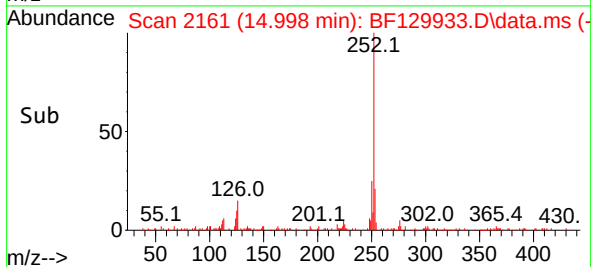
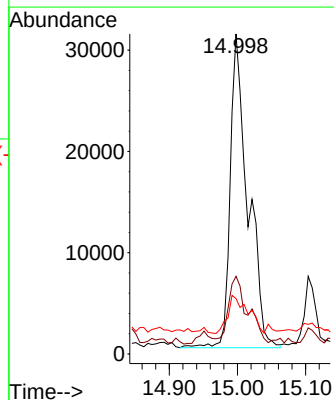
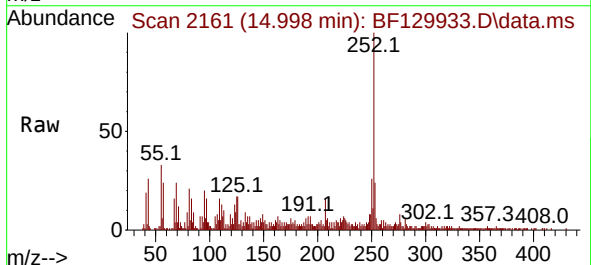
Instrument :
BNA_F
ClientSampleId :
CL-02-081722

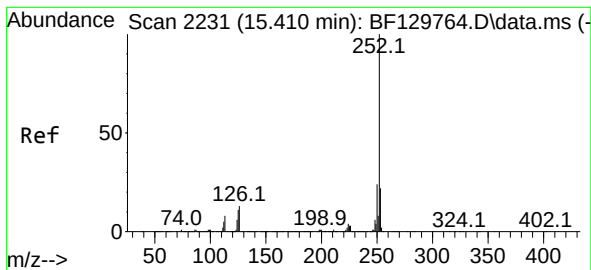
Tgt Ion:252 Resp: 56127
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 17.3 8.3 12.5#



#89
Benzo(k)fluoranthene
Concen: 3.462 ng
RT: 14.998 min Scan# 2161
Delta R.T. -0.023 min
Lab File: BF129933.D
Acq: 20 Aug 2022 03:58

Tgt Ion:252 Resp: 56127
Ion Ratio Lower Upper
252 100
253 24.3 17.1 25.7
125 17.3 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 2.497 ng

RT: 15.363 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129933.D

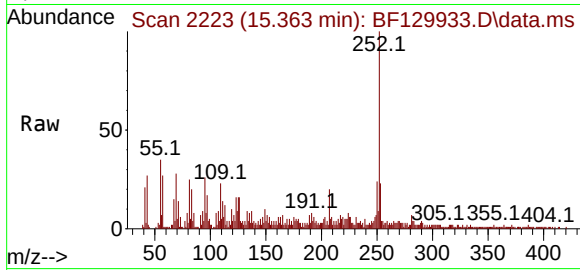
Acq: 20 Aug 2022 03:58

Instrument :

BNA_F

ClientSampleId :

CL-02-081722



Tgt Ion:252 Resp: 33243

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

125 15.6 8.8 13.2#

