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 Data File : BF129864.D
 Acq On : 18 Aug 2022 02:01
 Operator : CG\JU
 Sample : N4189-19
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB11

Quant Time: Aug 18 05:42:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 18 05:28:24 2022
 Response via : Initial Calibration

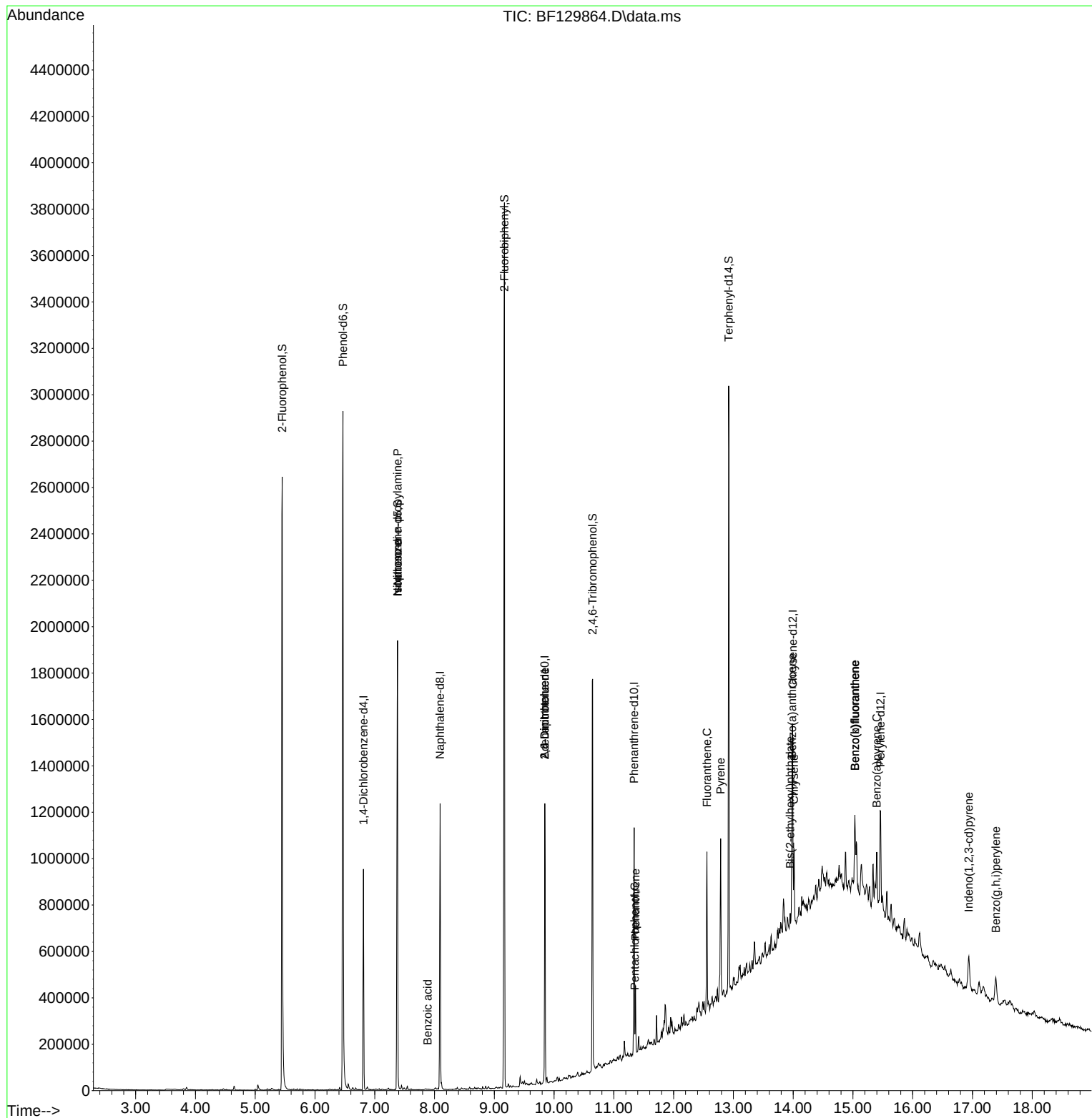
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	126662	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	494345	20.000	ng	0.00
39) Acenaphthene-d10	9.845	164	233671	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	329042	20.000	ng	0.00
76) Chrysene-d12	13.992	240	259987	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	206585	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	798474	104.375	ng	0.00
7) Phenol-d6	6.469	99	992989	103.652	ng	0.00
23) Nitrobenzene-d5	7.381	82	627521	67.953	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	205520	87.633	ng	0.00
45) 2-Fluorobiphenyl	9.169	172	1133261	73.659	ng	0.00
79) Terphenyl-d14	12.922	244	906514	58.018	ng	0.00
Target Compounds						
9) Benzaldehyde	6.387	77	966	Below Cal	#	73
19) n-Nitroso-di-n-propyla...	7.381	70	83880	13.852	ng	# 77
25) Isophorone	7.381	82	627531	39.482	ng	# 65
32) Benzoic acid	7.887	122	56	2.173	ng	# 31
51) 2,6-Dinitrotoluene	9.845	165	31199	8.586	ng	# 23
57) 2,4-Dinitrotoluene	9.845	165	31199	6.614	ng	# 18
70) Pentachlorophenol	11.351	266	116	5.268	ng	# 20
71) Phenanthrene	11.363	178	95912	5.219	ng	99
75) Fluoranthene	12.557	202	253310	13.470	ng	100
77) Benzidine	12.645	184	700	Below Cal	#	1
78) Pyrene	12.786	202	249243	11.032	ng	99
81) Benzo(a)anthracene	13.980	228	118940	6.650	ng	96
83) Chrysene	14.016	228	126461	7.554	ng	96
84) Bis(2-ethylhexyl)phtha...	13.951	149	24295	2.142	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.939	276	72119	5.085	ng	95
88) Benzo(b)fluoranthene	15.033	252	222703	15.743	ng	# 90
89) Benzo(k)fluoranthene	15.033	252	222703	16.416	ng	# 90
90) Benzo(a)pyrene	15.398	252	109258	9.808	ng	# 93
92) Benzo(g,h,i)perylene	17.392	276	77867	6.670	ng	94

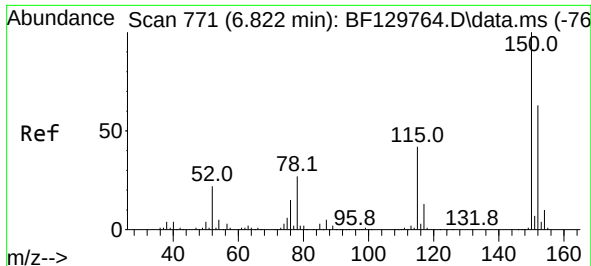
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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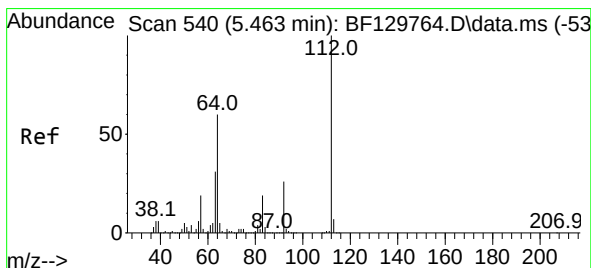
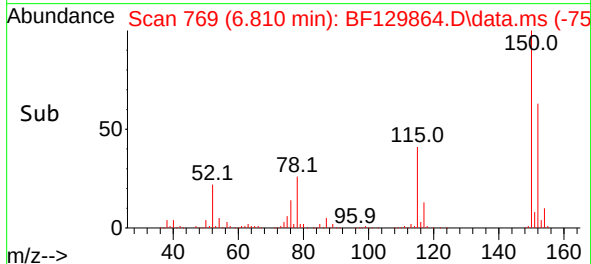
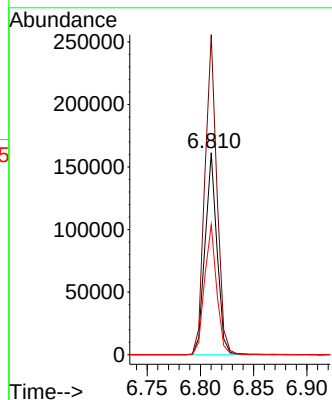
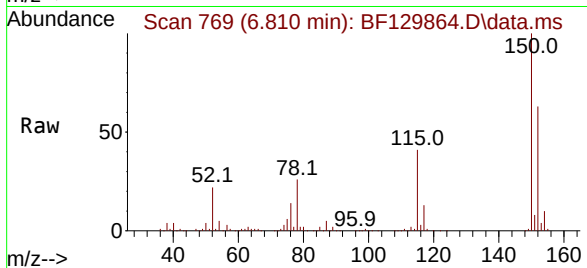




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

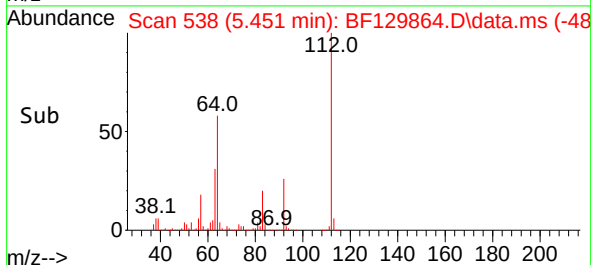
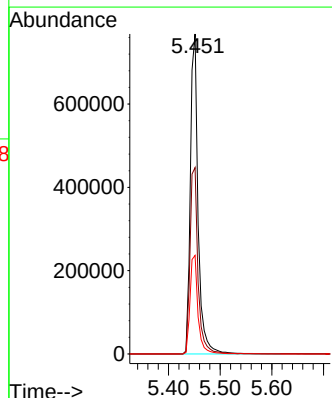
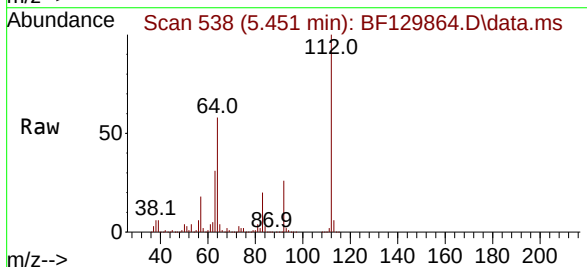
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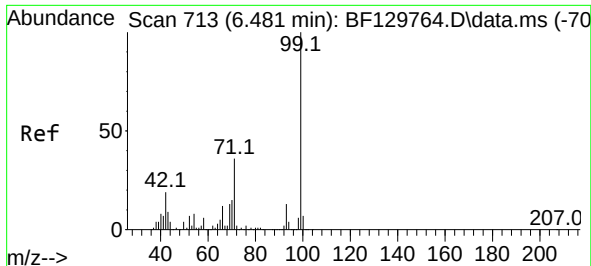
Tgt Ion:152 Resp: 126662
Ion Ratio Lower Upper
152 100
150 158.4 126.9 190.3
115 64.4 53.4 80.0



#5
2-Fluorophenol
Concen: 104.375 ng
RT: 5.451 min Scan# 538
Delta R.T. -0.000 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

Tgt Ion:112 Resp: 798474
Ion Ratio Lower Upper
112 100
64 58.3 47.6 71.4
63 30.8 24.6 37.0

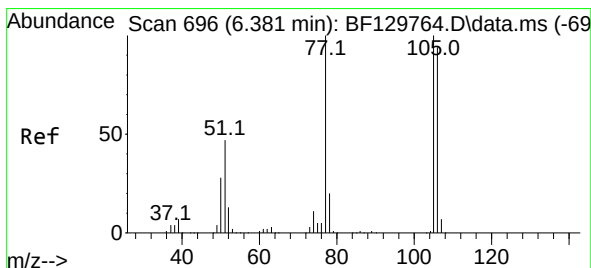
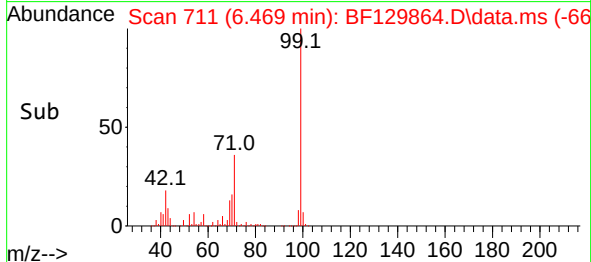
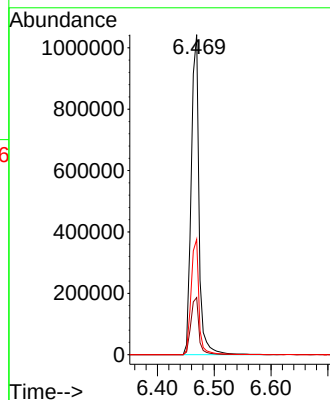
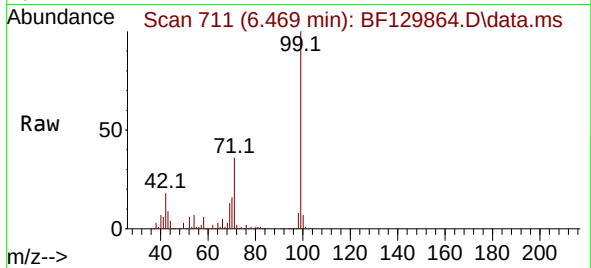




#7
Phenol-d6
Concen: 103.652 ng
RT: 6.469 min Scan# 711
Delta R.T. -0.000 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

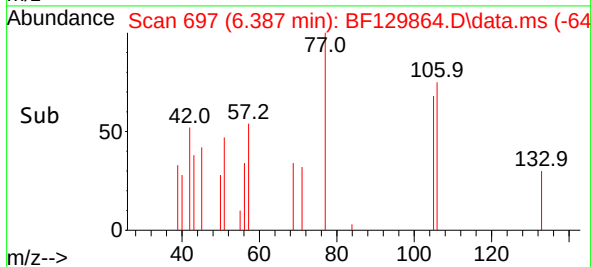
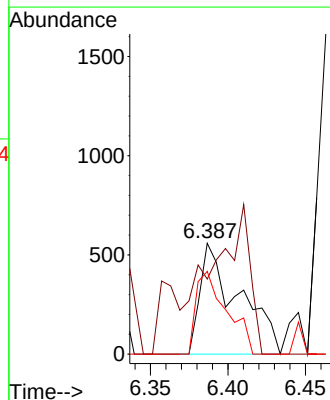
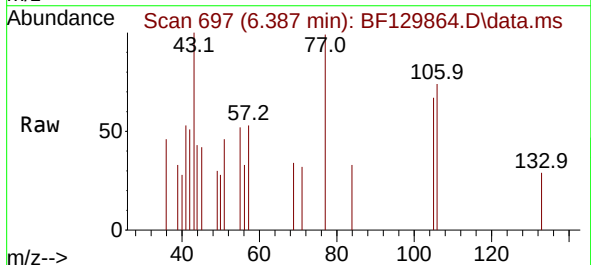
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ClientSampleId :
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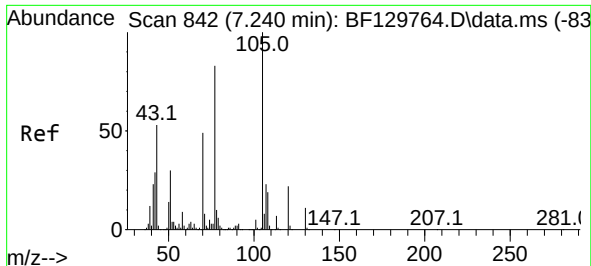
Tgt Ion: 99 Resp: 992989
Ion Ratio Lower Upper
99 100
42 17.9 15.0 22.4
71 36.0 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.387 min Scan# 697
Delta R.T. 0.018 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

Tgt Ion: 77 Resp: 966
Ion Ratio Lower Upper
77 100
105 67.6 80.3 120.3#
106 74.6 74.3 114.3

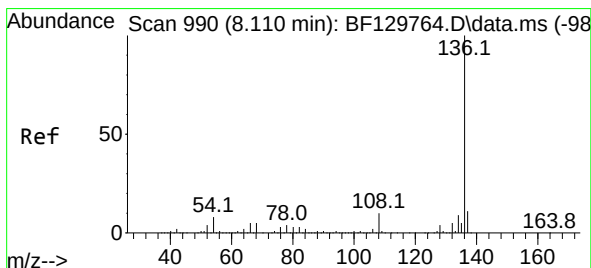
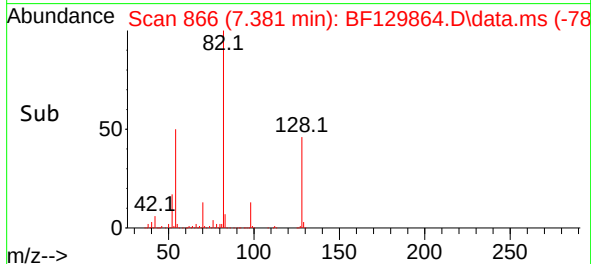
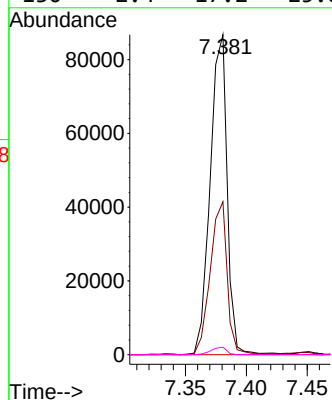
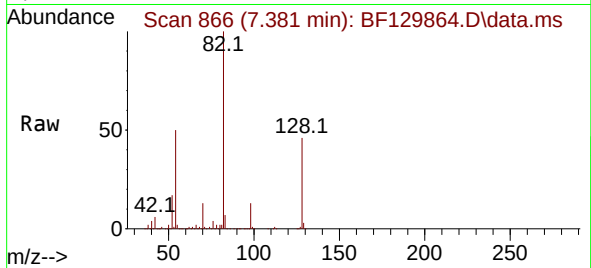




#19
n-Nitroso-di-n-propylamine
Concen: 13.852 ng
RT: 7.381 min Scan# 80
Delta R.T. 0.153 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

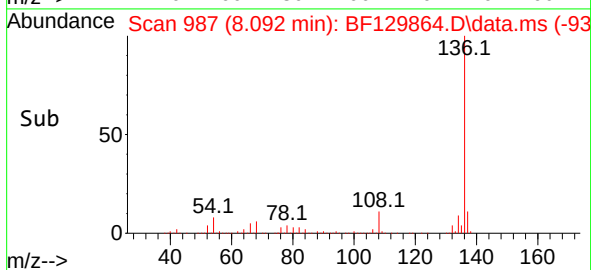
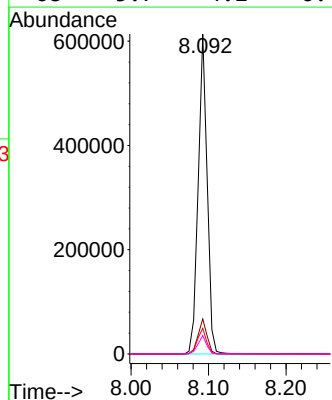
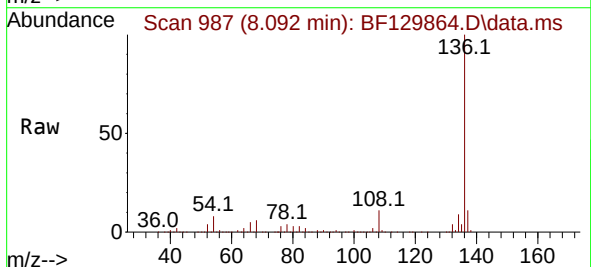
Instrument :
BNA_F
ClientSampleId :
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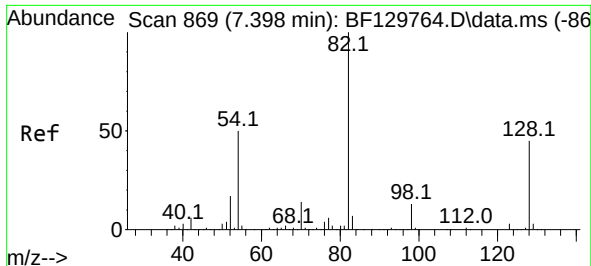
Tgt Ion: 70 Resp: 83880
Ion Ratio Lower Upper
70 100
42 47.8 47.6 71.4
101 0.0 8.1 12.1#
130 2.4 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

Tgt Ion: 136 Resp: 494345
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.0 6.2 9.2
68 5.7 4.2 6.4

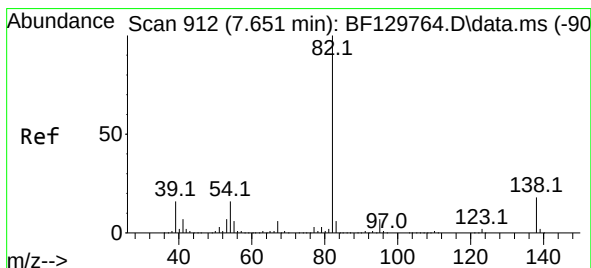
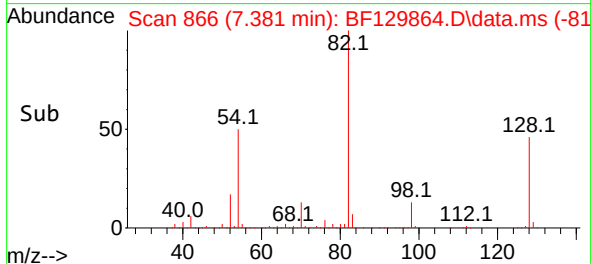
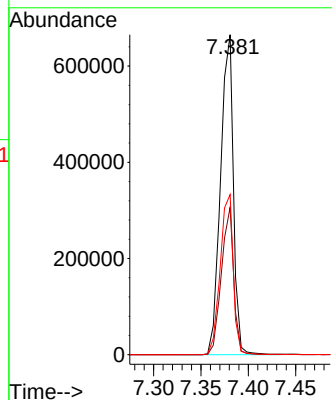
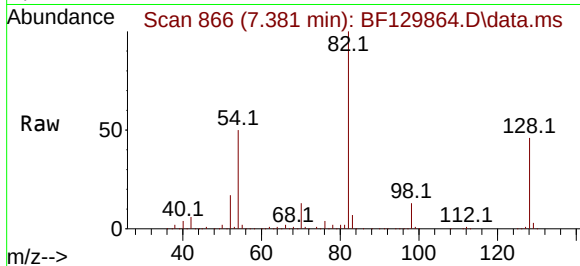




#23
Nitrobenzene-d5
Concen: 67.953 ng
RT: 7.381 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

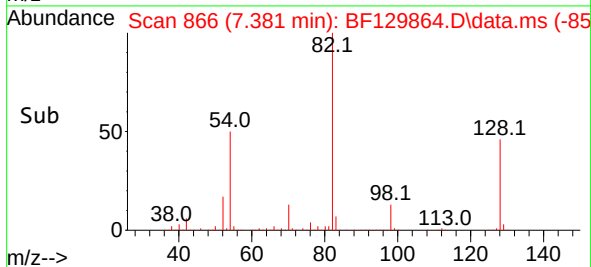
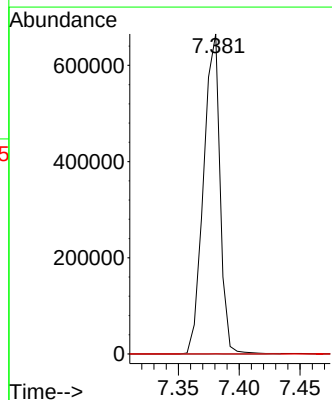
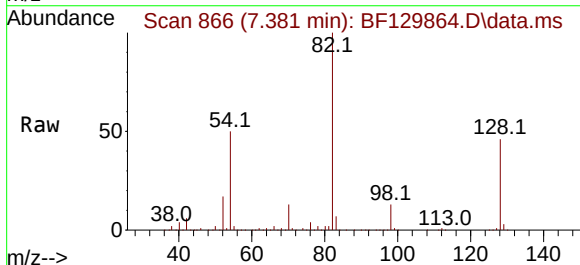
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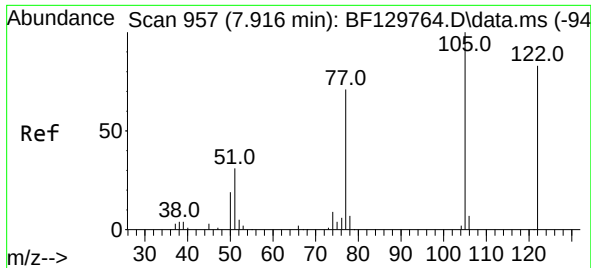
Tgt Ion: 82 Resp: 627521
Ion Ratio Lower Upper
82 100
128 46.0 36.1 54.1
54 50.1 40.0 60.0



#25
Isophorone
Concen: 39.482 ng
RT: 7.381 min Scan# 866
Delta R.T. -0.259 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

Tgt Ion: 82 Resp: 627531
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

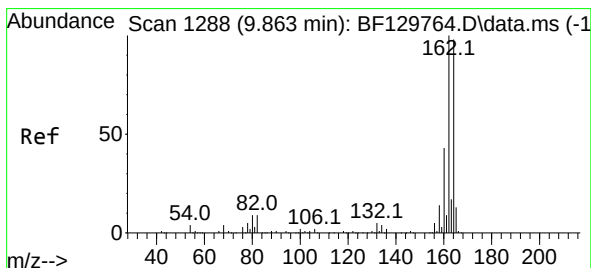
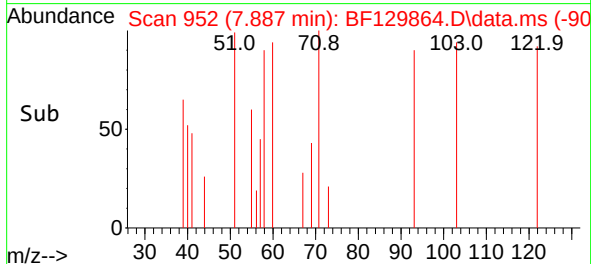
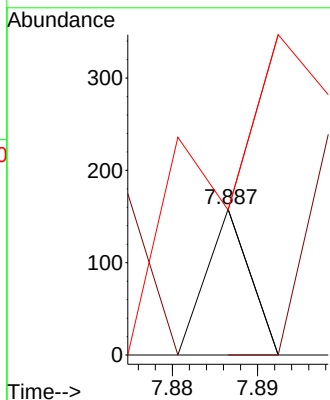
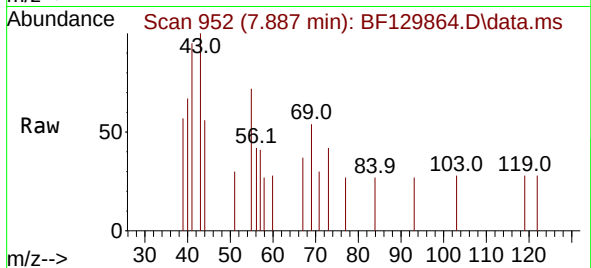




#32
Benzoic acid
Concen: 2.173 ng
RT: 7.887 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

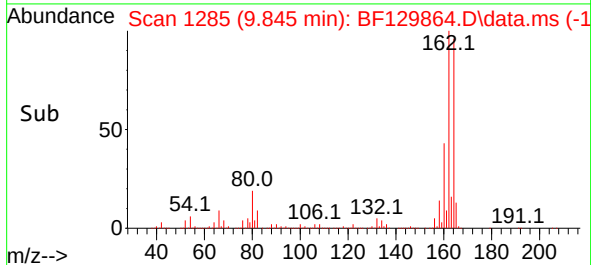
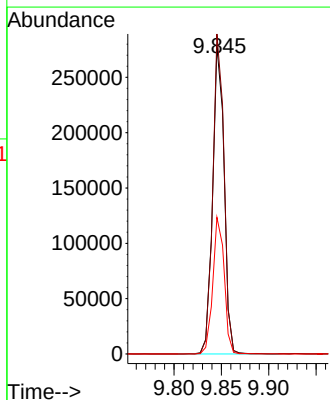
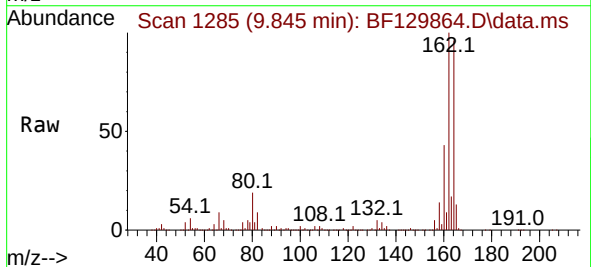
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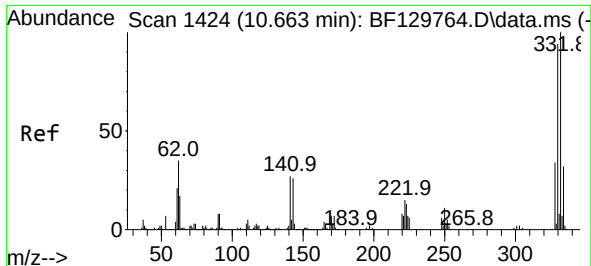
Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 99.9 139.9#
77 99.4 65.9 105.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

Tgt Ion:164 Resp: 233671
Ion Ratio Lower Upper
164 100
162 104.0 82.0 123.0
160 44.4 35.4 53.0

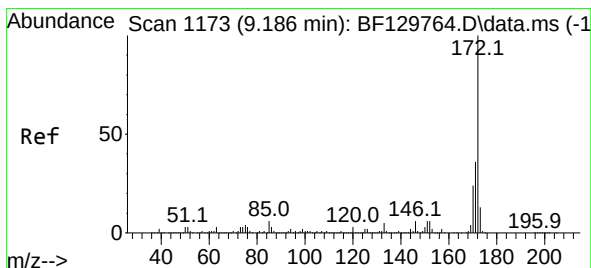
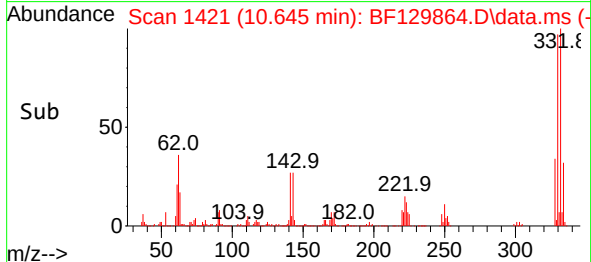
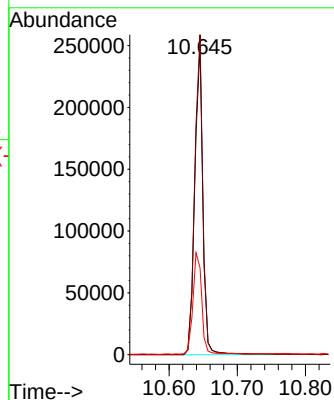
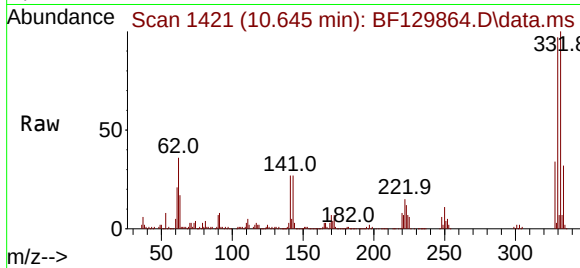




#42
2,4,6-Tribromophenol
Concen: 87.633 ng
RT: 10.645 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

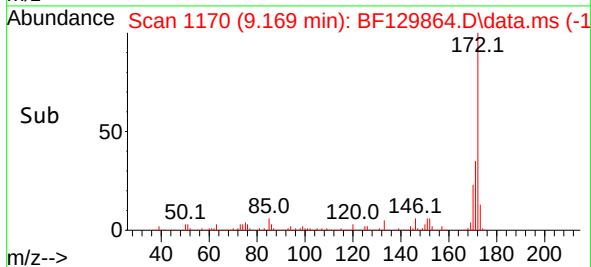
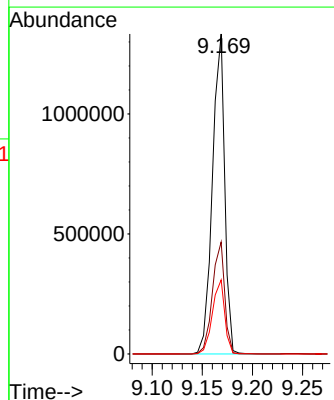
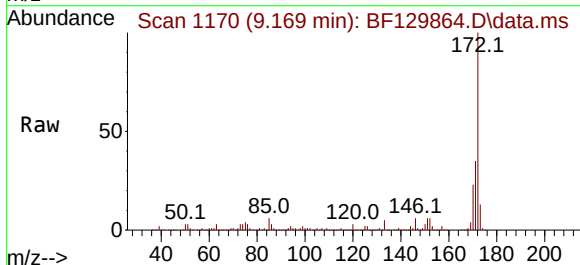
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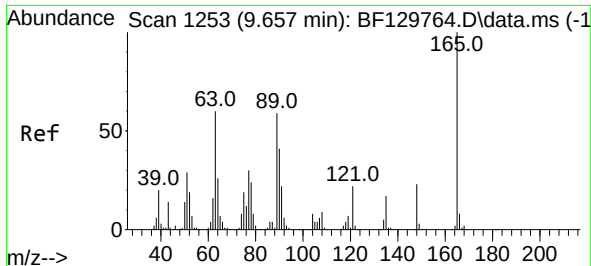
Tgt Ion:330 Resp: 205520
Ion Ratio Lower Upper
330 100
332 103.4 82.6 124.0
141 35.6 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 73.659 ng
RT: 9.169 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

Tgt Ion:172 Resp: 1133261
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.1 19.1 28.7

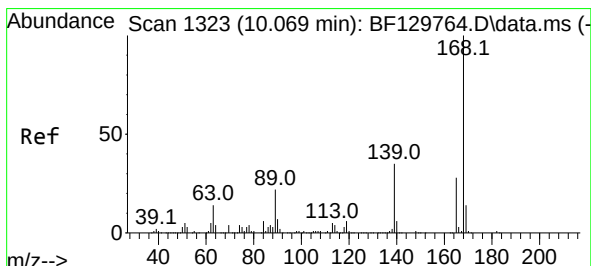
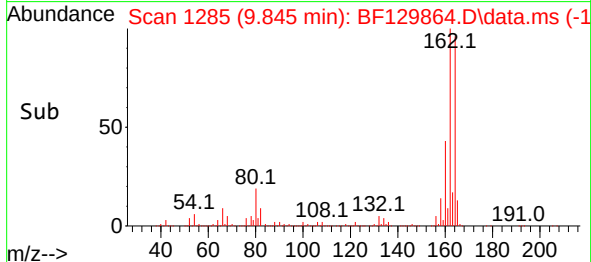
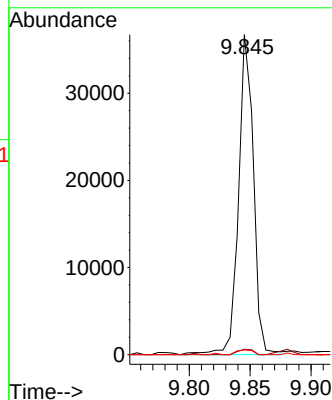
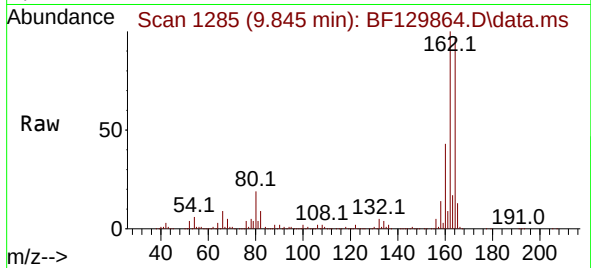




#51
2,6-Dinitrotoluene
Concen: 8.586 ng
RT: 9.845 min Scan# 1285
Delta R.T. 0.200 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

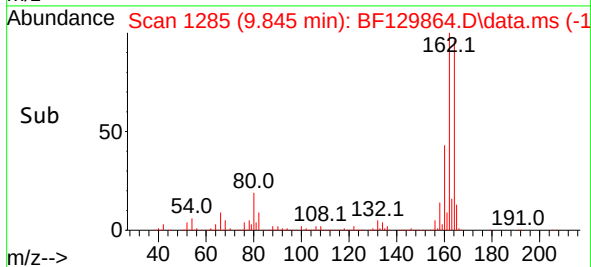
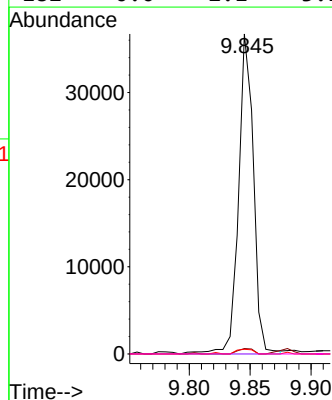
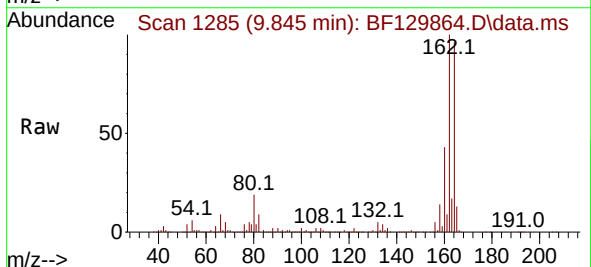
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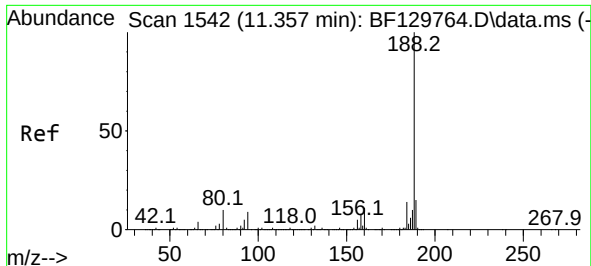
Tgt Ion:165 Resp: 31199
Ion Ratio Lower Upper
165 100
63 1.7 47.8 71.8#
89 1.4 47.2 70.8#



#57
2,4-Dinitrotoluene
Concen: 6.614 ng
RT: 9.845 min Scan# 1285
Delta R.T. -0.212 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

Tgt Ion:165 Resp: 31199
Ion Ratio Lower Upper
165 100
63 1.7 48.4 72.6#
89 1.4 62.3 93.5#
182 0.0 2.1 3.1#

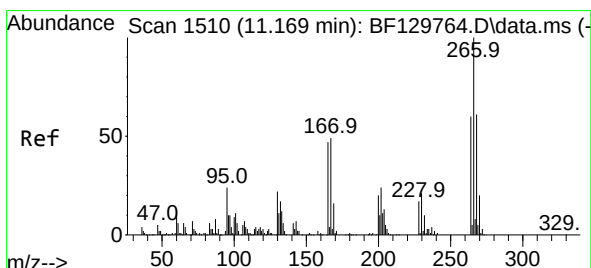
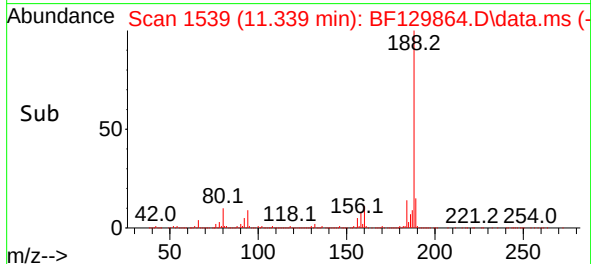
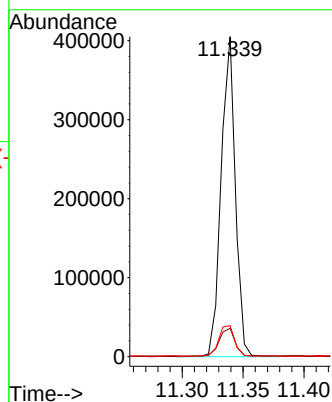
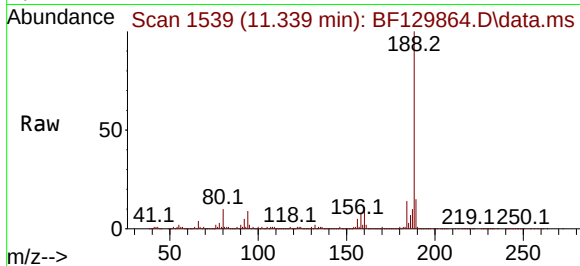




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

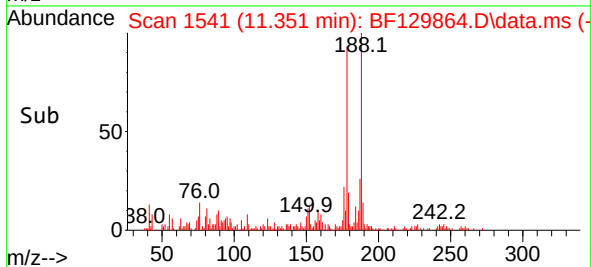
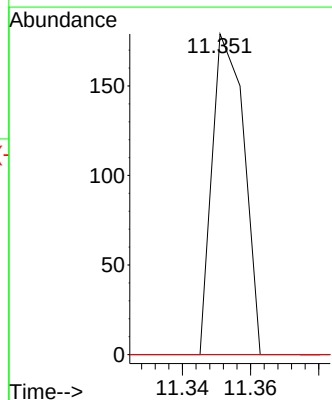
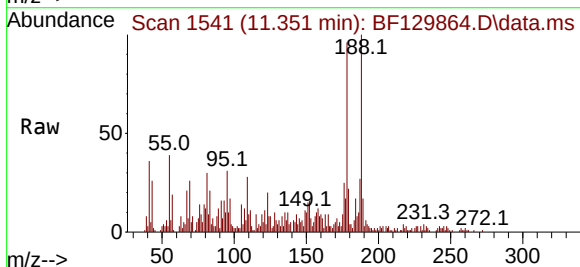
Instrument :
BNA_F
ClientSampleId :
SB11

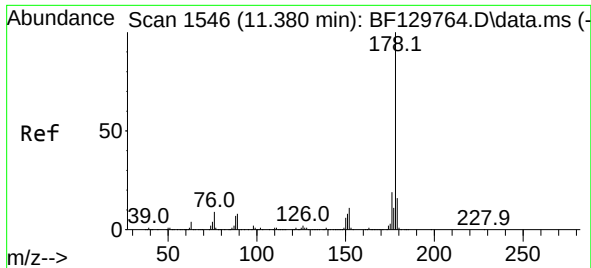
Tgt Ion:188 Resp: 329042
Ion Ratio Lower Upper
188 100
94 8.9 7.4 11.2
80 9.7 7.9 11.9



#70
Pentachlorophenol
Concen: 5.268 ng
RT: 11.351 min Scan# 1541
Delta R.T. 0.194 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

Tgt Ion:266 Resp: 116
Ion Ratio Lower Upper
266 100
268 0.0 49.0 73.4#
264 0.0 47.9 71.9#

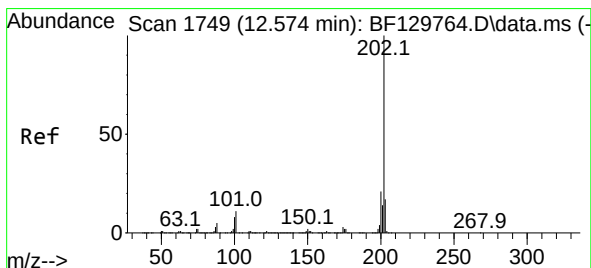
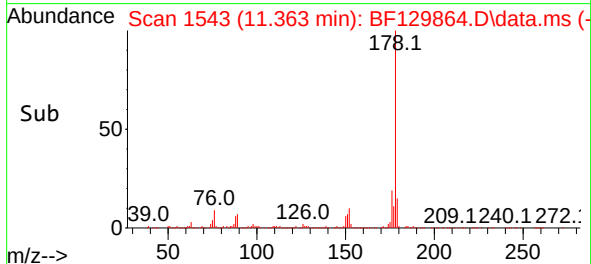
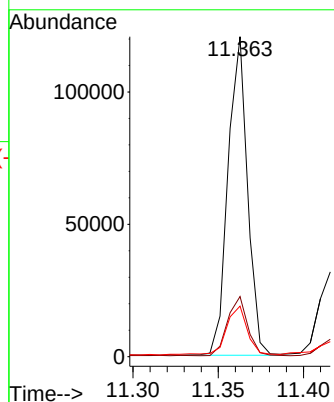
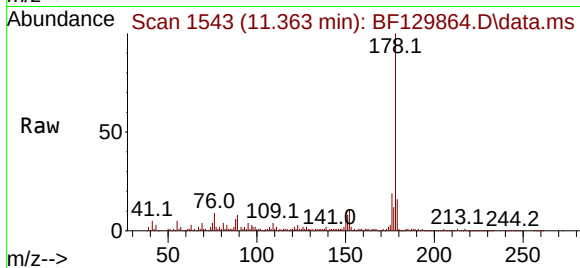




#71
Phenanthrene
Concen: 5.219 ng
RT: 11.363 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

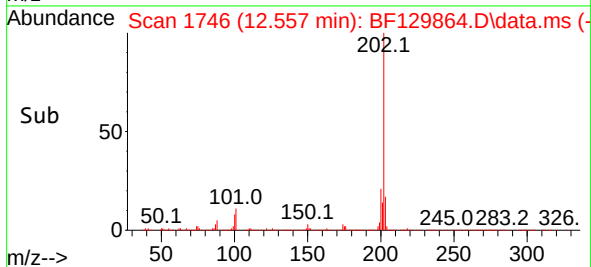
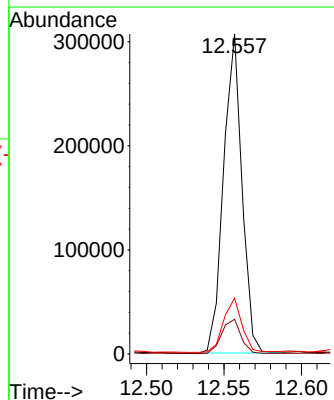
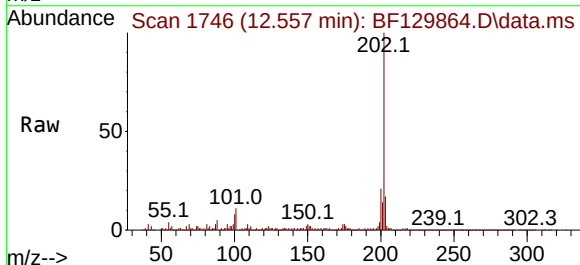
Instrument :
BNA_F
ClientSampleId :
SB11

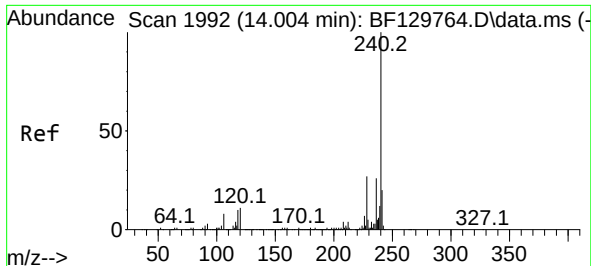
Tgt Ion:178 Resp: 95912
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.8 12.5 18.7



#75
Fluoranthene
Concen: 13.470 ng
RT: 12.557 min Scan# 1746
Delta R.T. -0.000 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

Tgt Ion:202 Resp: 253310
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.7
203 17.5 0.0 37.5

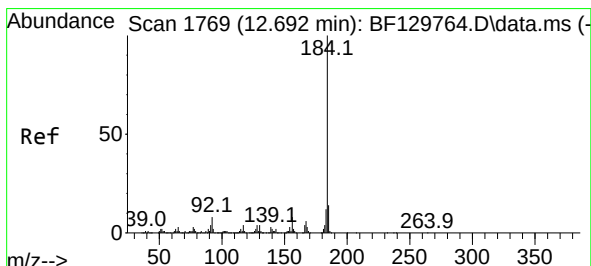
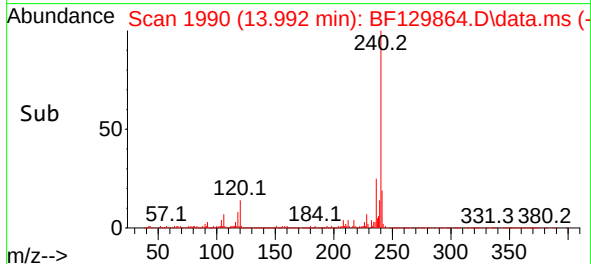
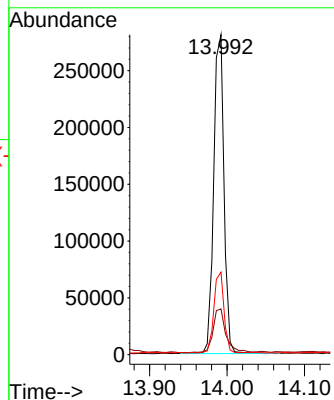
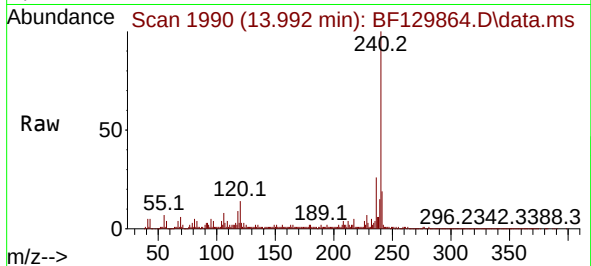




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 1992
Delta R.T. -0.000 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

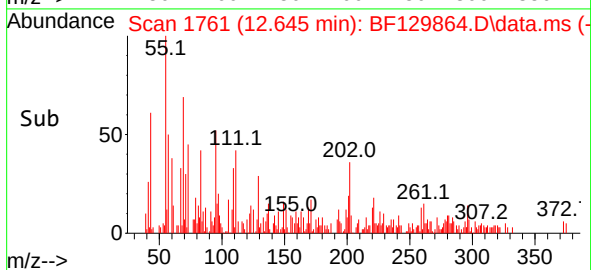
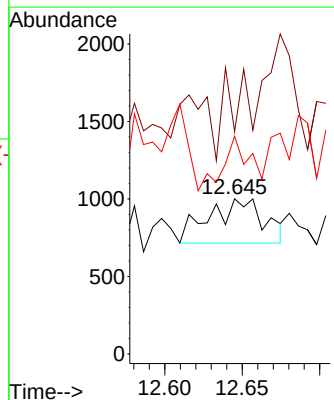
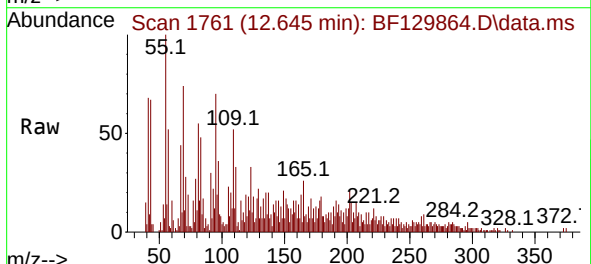
Instrument :
BNA_F
ClientSampleId :
SB11

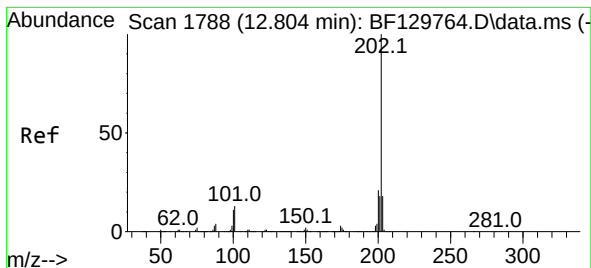
Tgt Ion:240 Resp: 259987
Ion Ratio Lower Upper
240 100
120 14.3 9.2 13.8#
236 25.8 20.7 31.1



#77
Benzidine
Concen: Below Cal
RT: 12.645 min Scan# 1761
Delta R.T. -0.035 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

Tgt Ion:184 Resp: 700
Ion Ratio Lower Upper
184 100
185 143.2 11.4 17.2#
183 140.2 9.4 14.2#





#78

Pyrene

Concen: 11.032 ng

RT: 12.786 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129864.D

Acq: 18 Aug 2022 02:01

Instrument :

BNA_F

ClientSampleId :

SB11

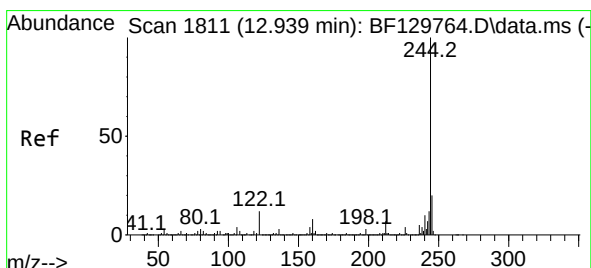
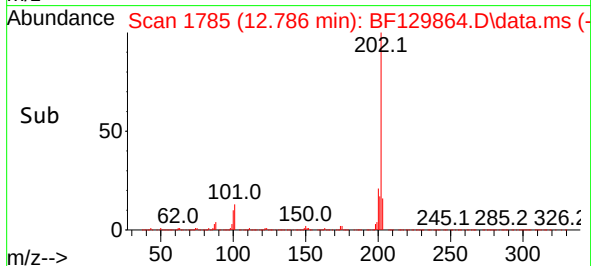
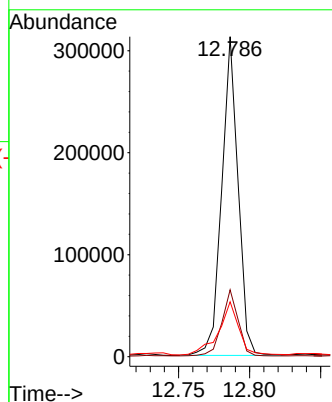
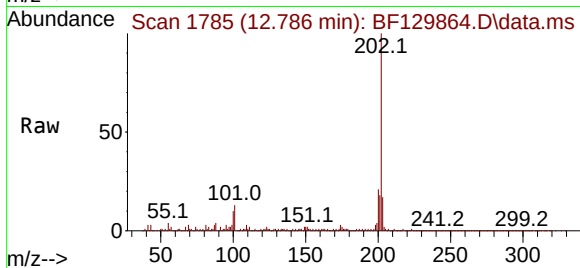
Tgt Ion:202 Resp: 249243

Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.6

203 17.2 14.1 21.1



#79

Terphenyl-d14

Concen: 58.018 ng

RT: 12.922 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF129864.D

Acq: 18 Aug 2022 02:01

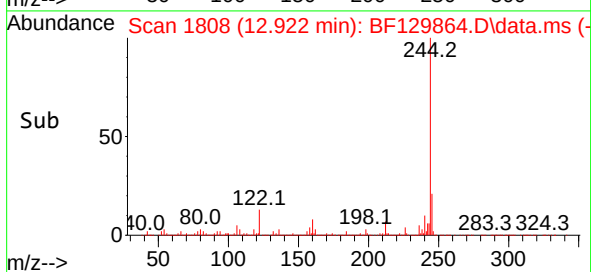
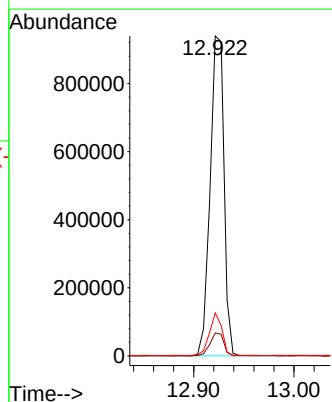
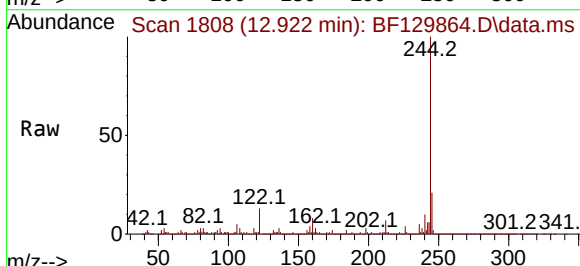
Tgt Ion:244 Resp: 906514

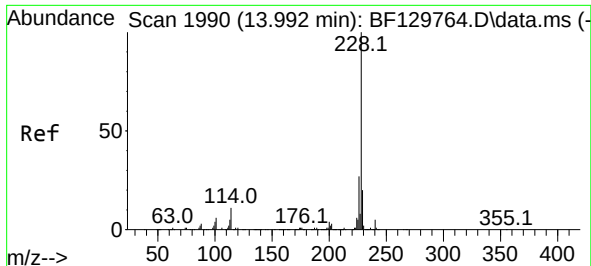
Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 13.4 9.9 14.9

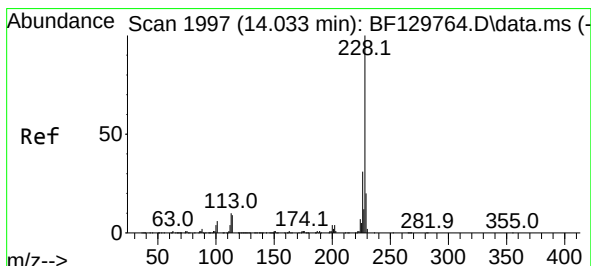
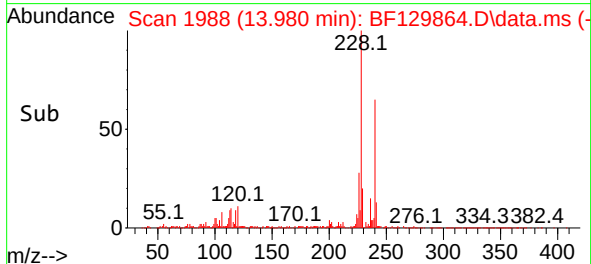
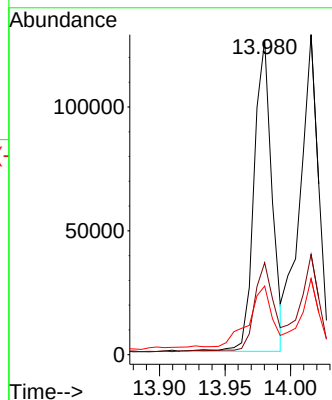
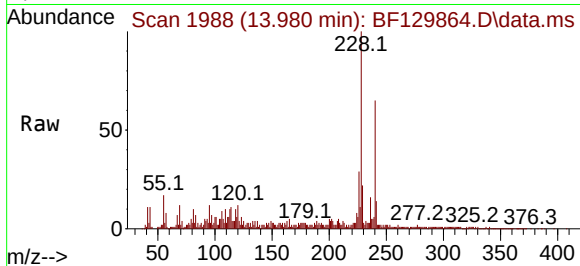




#81
Benzo(a)anthracene
Concen: 6.650 ng
RT: 13.980 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

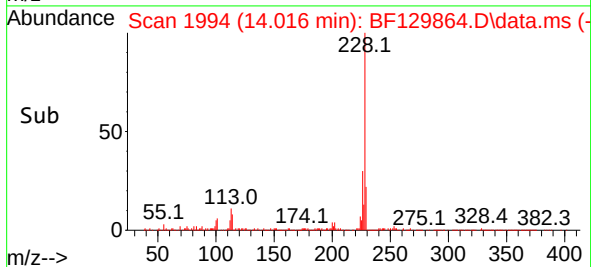
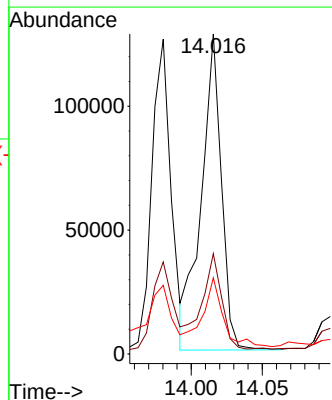
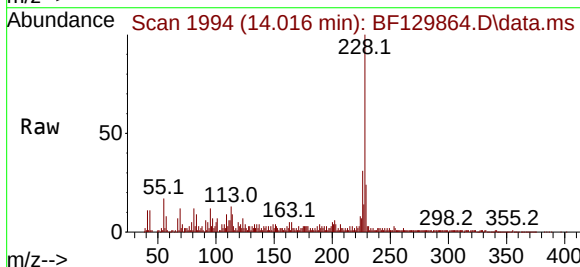
Instrument :
BNA_F
ClientSampleId :
SB11

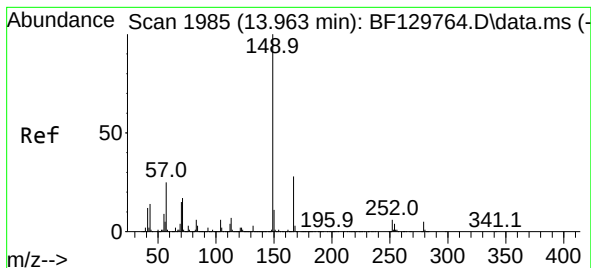
Tgt Ion:228 Resp: 118940
Ion Ratio Lower Upper
228 100
226 29.2 21.4 32.0
229 21.8 16.1 24.1



#83
Chrysene
Concen: 7.554 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.000 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

Tgt Ion:228 Resp: 126461
Ion Ratio Lower Upper
228 100
226 31.3 24.4 36.6
229 23.8 15.9 23.9

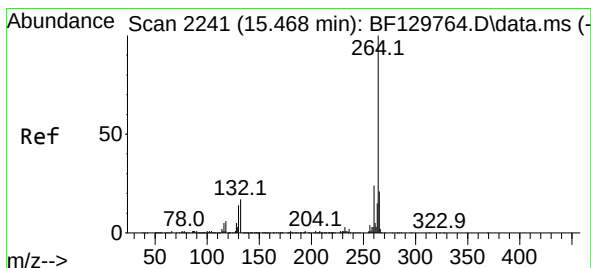
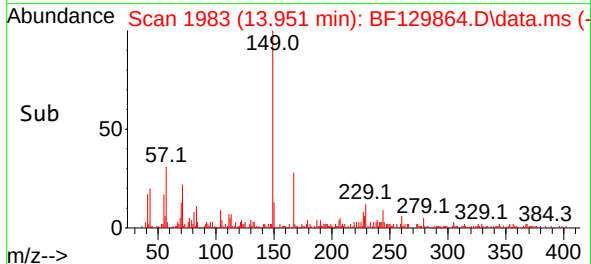
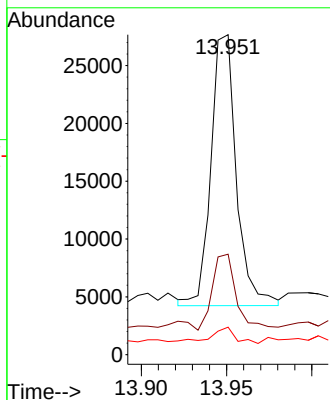
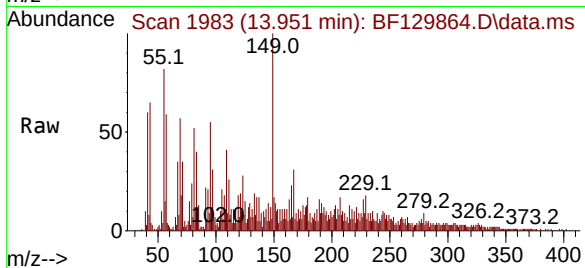




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.142 ng
 RT: 13.951 min Scan# 1985
 Delta R.T. 0.006 min
 Lab File: BF129864.D
 Acq: 18 Aug 2022 02:01

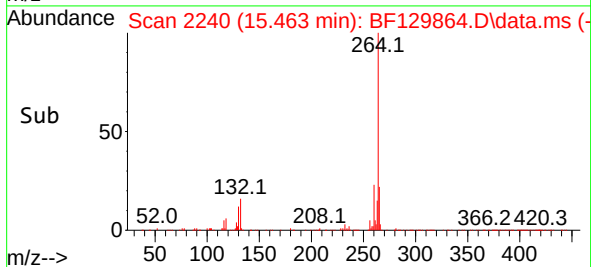
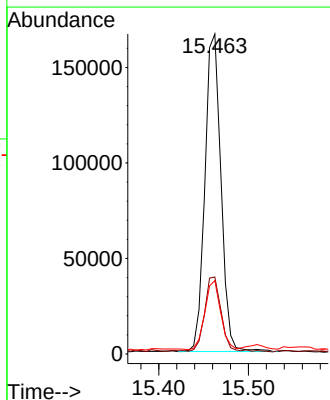
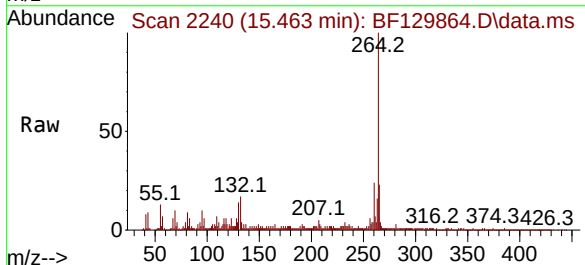
Instrument :
 BNA_F
 ClientSampleId :
 SB11

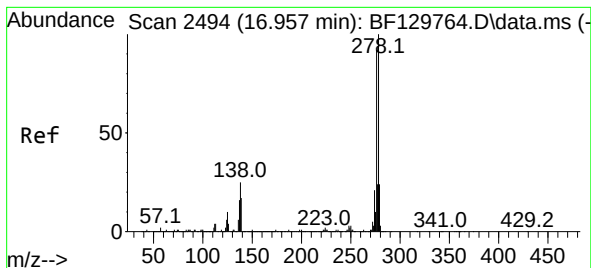
Tgt Ion:149 Resp: 24295
 Ion Ratio Lower Upper
 149 100
 167 31.4 22.0 33.0
 279 8.6 3.6 5.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.463 min Scan# 2240
 Delta R.T. 0.006 min
 Lab File: BF129864.D
 Acq: 18 Aug 2022 02:01

Tgt Ion:264 Resp: 206585
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.1 28.7
 265 22.9 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.085 ng

RT: 16.939 min Scan# 2491

Delta R.T. -0.000 min

Lab File: BF129864.D

Acq: 18 Aug 2022 02:01

Instrument :

BNA_F

ClientSampleId :

SB11

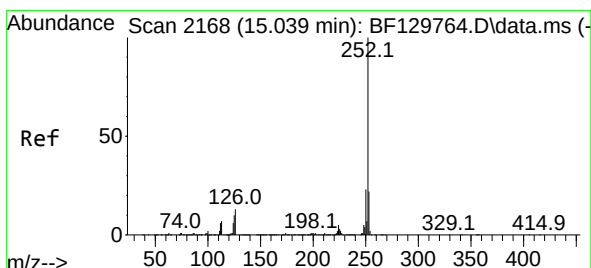
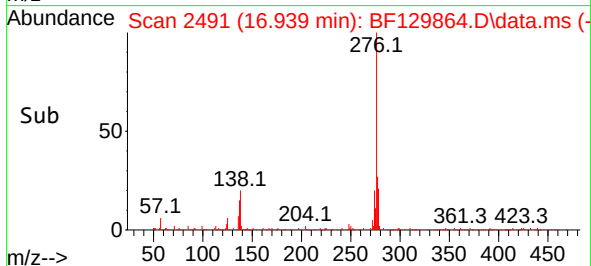
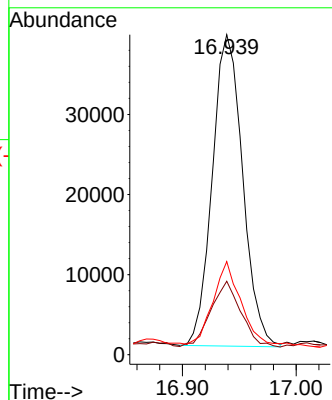
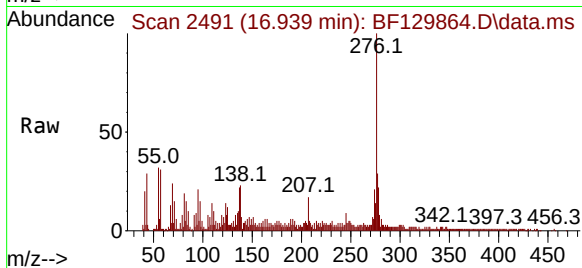
Tgt Ion:276 Resp: 72119

Ion Ratio Lower Upper

276 100

138 20.9 19.8 29.8

277 26.9 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 15.743 ng

RT: 15.033 min Scan# 2167

Delta R.T. 0.006 min

Lab File: BF129864.D

Acq: 18 Aug 2022 02:01

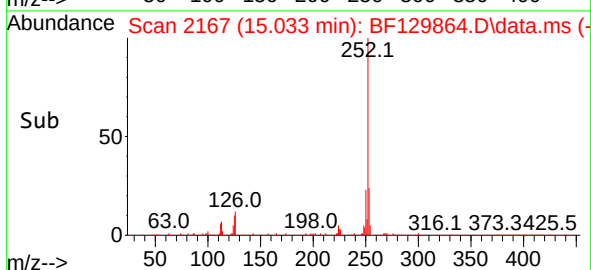
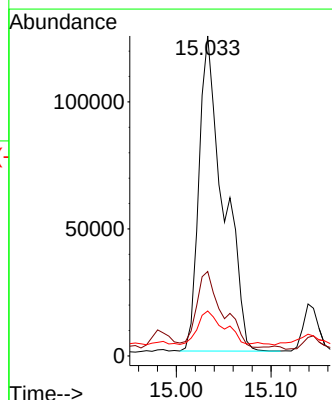
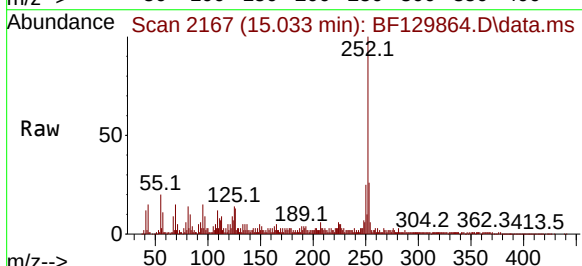
Tgt Ion:252 Resp: 222703

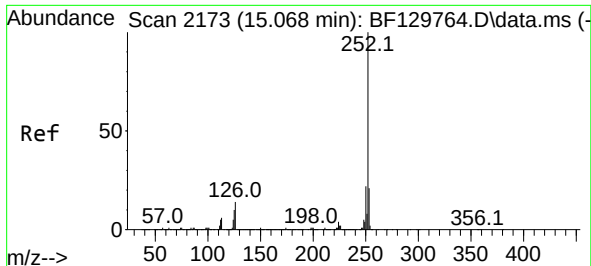
Ion Ratio Lower Upper

252 100

253 26.4 17.5 26.3#

125 14.1 8.3 12.5#

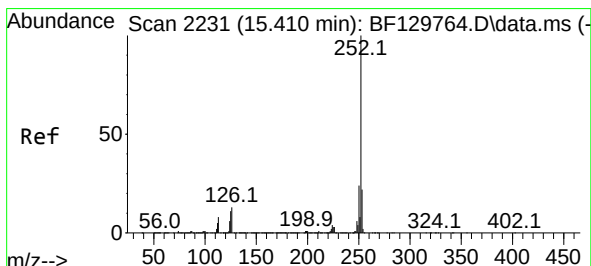
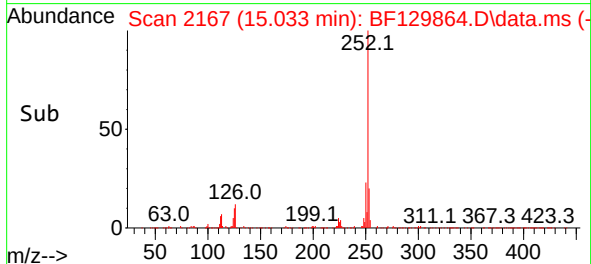
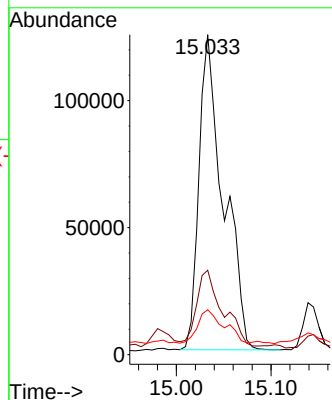
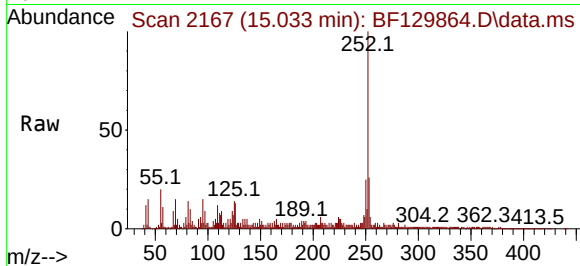




#89
Benzo(k)fluoranthene
Concen: 16.416 ng
RT: 15.033 min Scan# 2173
Delta R.T. -0.024 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

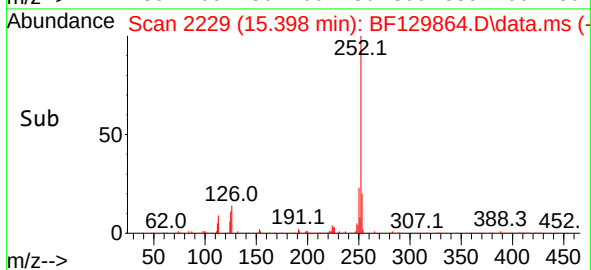
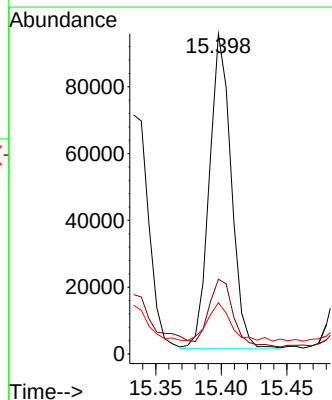
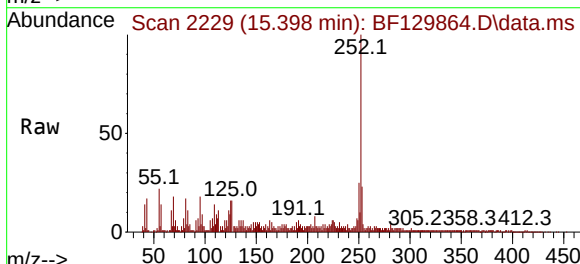
Instrument :
BNA_F
ClientSampleId :
SB11

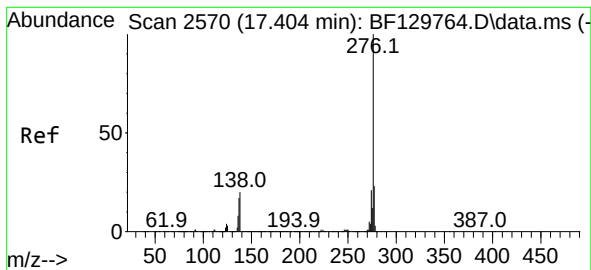
Tgt Ion:252 Resp: 222703
Ion Ratio Lower Upper
252 100
253 26.4 17.1 25.7#
125 14.1 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 9.808 ng
RT: 15.398 min Scan# 2229
Delta R.T. 0.006 min
Lab File: BF129864.D
Acq: 18 Aug 2022 02:01

Tgt Ion:252 Resp: 109258
Ion Ratio Lower Upper
252 100
253 23.3 17.2 25.8
125 16.0 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 6.670 ng

RT: 17.392 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129864.D

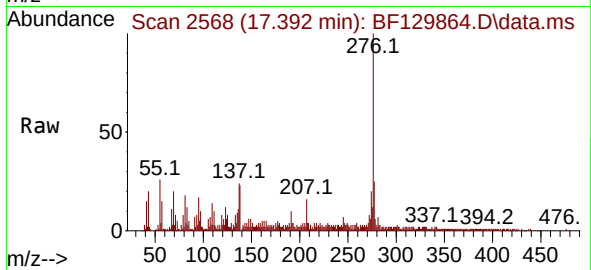
Acq: 18 Aug 2022 02:01

Instrument :

BNA_F

ClientSampleId :

SB11



Tgt Ion:276 Resp: 77867

Ion Ratio Lower Upper

276 100

277 25.3 18.2 27.4

138 22.8 15.8 23.8

