

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
 Data File : BF130866.D
 Acq On : 29 Oct 2022 19:49
 Operator : CG\JU
 Sample : N5308-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-2-102622

Quant Time: Oct 30 23:26:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

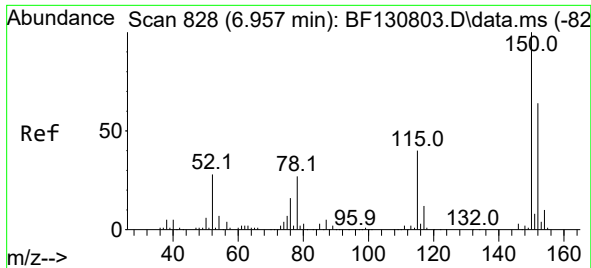
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	64977	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	212325	20.000	ng	0.00
39) Acenaphthene-d10	9.992	164	97636	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	185331	20.000	ng	0.00
76) Chrysene-d12	14.133	240	125728	20.000	ng	0.00
86) Perylene-d12	15.651	264	91450	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	394614	105.285	ng	0.00
7) Phenol-d6	6.563	99	458708	94.179	ng	0.00
23) Nitrobenzene-d5	7.504	82	285774	81.158	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	97993	119.228	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	419020	64.885	ng	0.00
79) Terphenyl-d14	13.069	244	392739	57.241	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.504	70	40161	12.119	ng	# 78
25) Isophorone	7.504	82	285770	39.356	ng	# 66
32) Benzoic acid	7.904	122	291	7.794	ng	# 70
48) 2-Nitroaniline	9.522	65	591	4.448	ng	# 42
51) 2,6-Dinitrotoluene	9.633	165	679	3.290	ng	# 13
57) 2,4-Dinitrotoluene	10.151	165	676	4.096	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.780	198	289	8.240	ng	# 1
67) 4-Bromophenyl-phenylether	10.780	248	6731	3.611	ng	# 1
71) Phenanthrene	11.504	178	66570	6.959	ng	99
72) Anthracene	11.557	178	22547	2.390	ng	97
75) Fluoranthene	12.698	202	159064	15.651	ng	99
78) Pyrene	12.933	202	147723	13.926	ng	98
81) Benzo(a)anthracene	14.121	228	69770	8.370	ng	94
83) Chrysene	14.157	228	63017	7.837	ng	95
87) Indeno(1,2,3-cd)pyrene	17.198	276	31071	5.116	ng	97
88) Benzo(b)fluoranthene	15.198	252	98207	16.613	ng	# 83
89) Benzo(k)fluoranthene	15.198	252	98207	17.049	ng	# 84
90) Benzo(a)pyrene	15.586	252	49740	10.467	ng	# 82
92) Benzo(g,h,i)perylene	17.674	276	30798	6.098	ng	# 89

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

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QLast Update : Sat Oct 29 05:41:34 2022
Response via : Initial Calibration

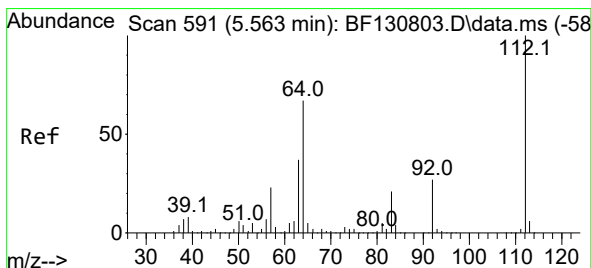
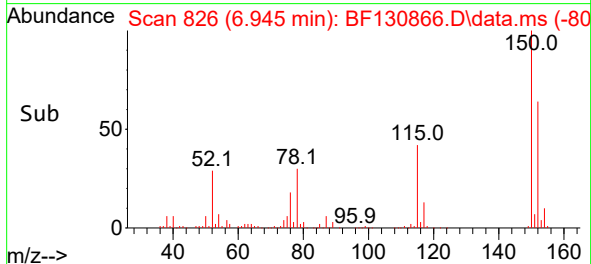
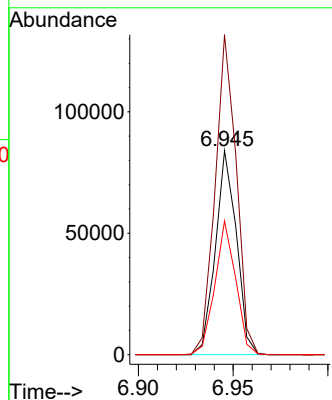
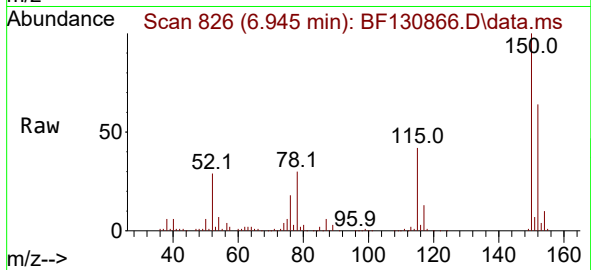




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF130866.D
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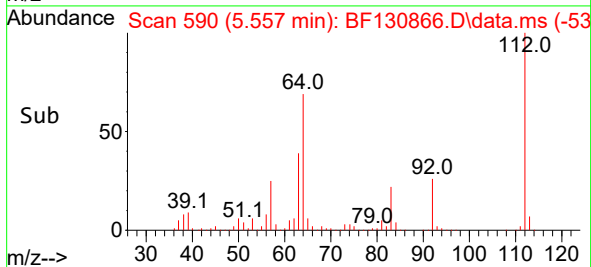
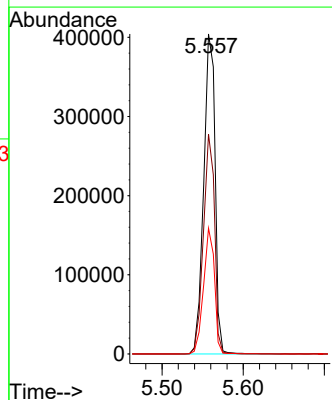
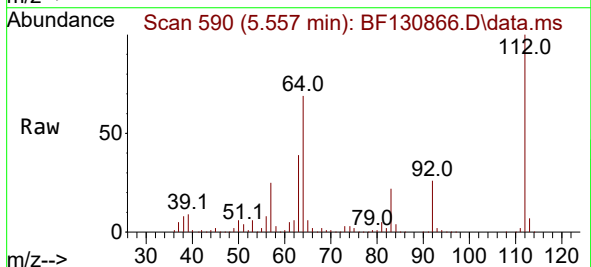
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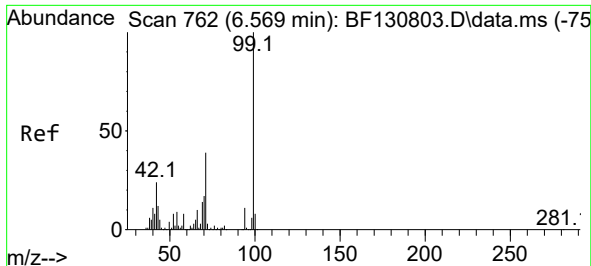
Tgt Ion:152 Resp: 64977
Ion Ratio Lower Upper
152 100
150 156.9 124.1 186.1
115 65.5 50.1 75.1



#5
2-Fluorophenol
Concen: 105.285 ng
RT: 5.557 min Scan# 590
Delta R.T. -0.000 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

Tgt Ion:112 Resp: 394614
Ion Ratio Lower Upper
112 100
64 68.7 53.9 80.9
63 39.3 29.4 44.2

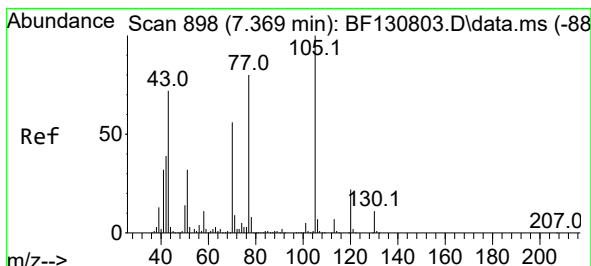
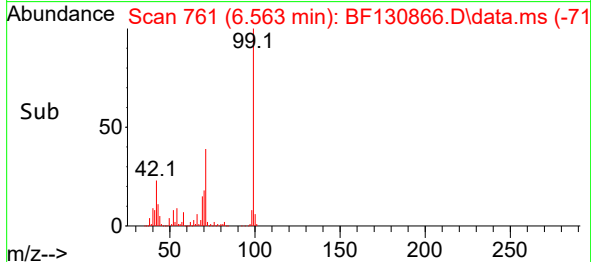
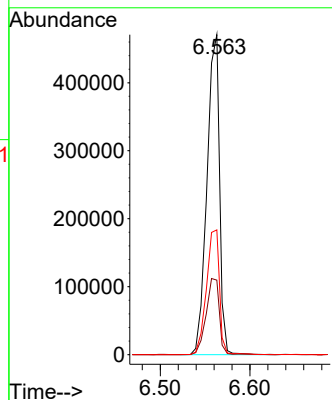
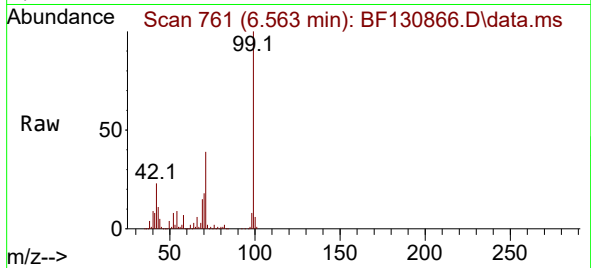




#7
Phenol-d6
Concen: 94.179 ng
RT: 6.563 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

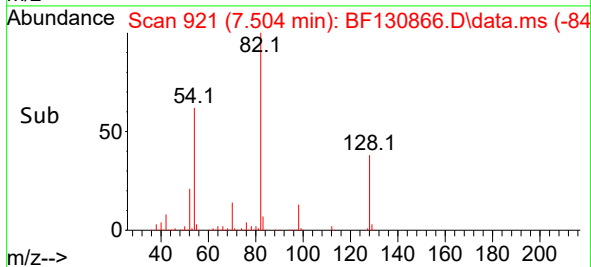
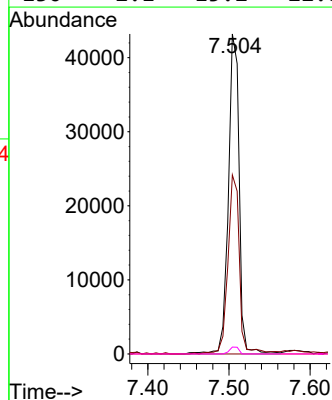
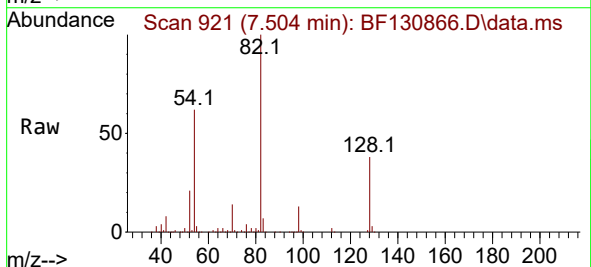
Instrument :
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ClientSampleId :
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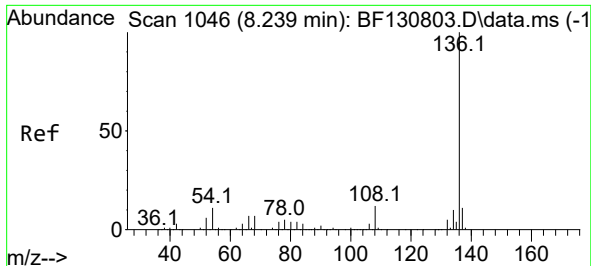
Tgt Ion: 99 Resp: 458708
Ion Ratio Lower Upper
99 100
42 23.3 18.8 28.2
71 39.0 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.119 ng
RT: 7.504 min Scan# 921
Delta R.T. 0.141 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

Tgt Ion: 70 Resp: 40161
Ion Ratio Lower Upper
70 100
42 56.0 56.1 84.1#
101 0.0 7.3 10.9#
130 2.1 15.2 22.8#



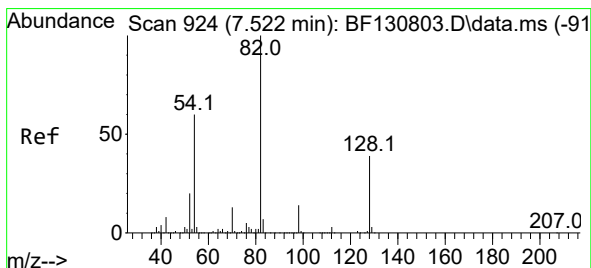
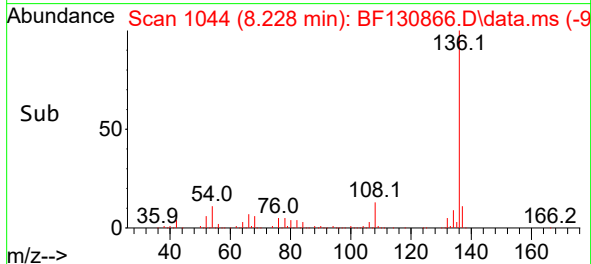
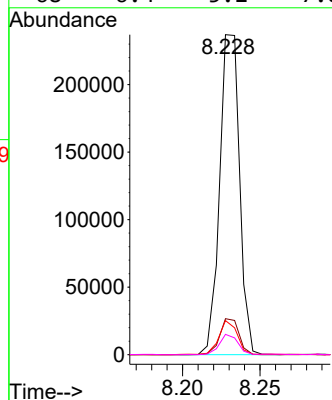
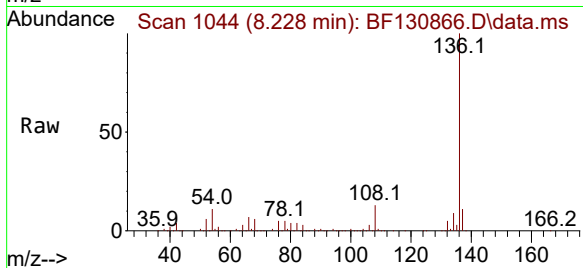


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

Instrument :
BNA_F
ClientSampleId :
PL-2-102622

Tgt Ion:136 Resp: 212325

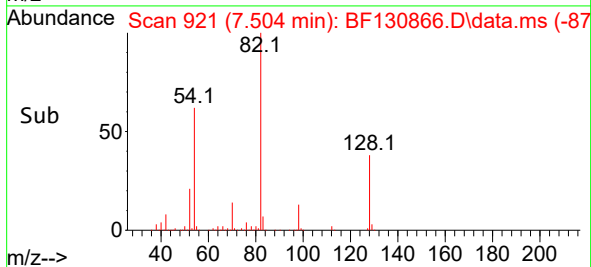
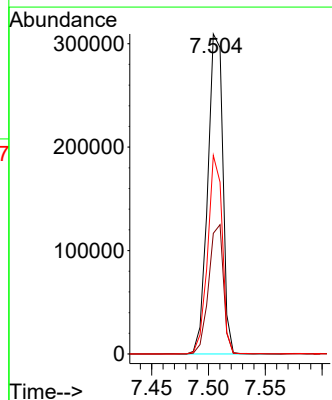
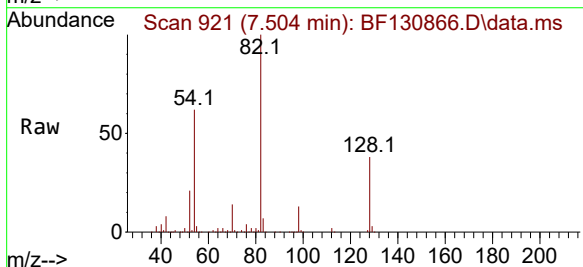
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	10.7	8.8	13.2
68	6.4	5.2	7.8

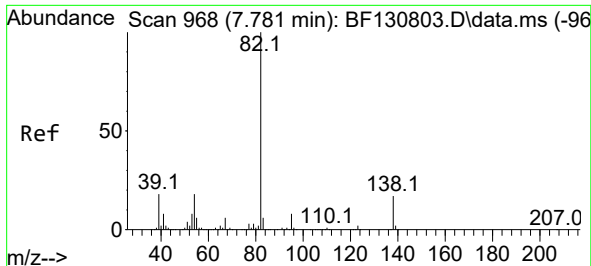


#23
Nitrobenzene-d5
Concen: 81.158 ng
RT: 7.504 min Scan# 921
Delta R.T. -0.012 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

Tgt Ion: 82 Resp: 285774

Ion	Ratio	Lower	Upper
82	100		
128	37.7	31.2	46.8
54	62.0	48.0	72.0

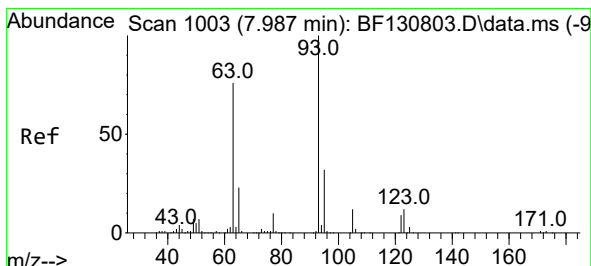
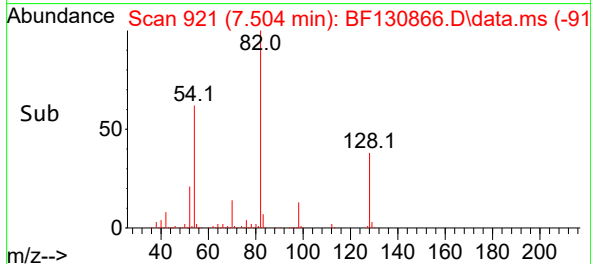
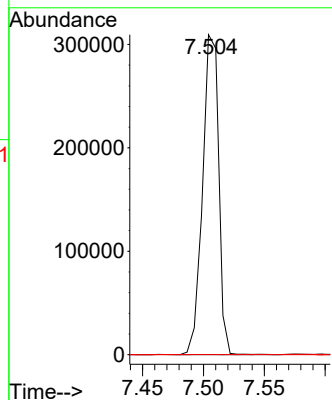
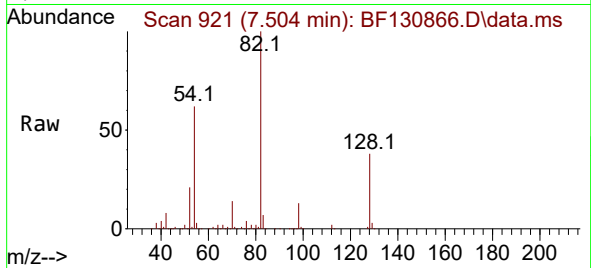




#25
Isophorone
Concen: 39.356 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

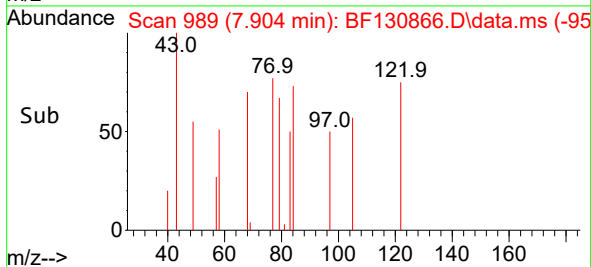
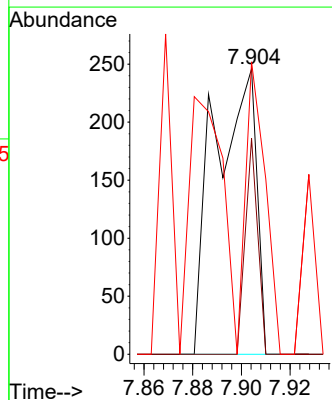
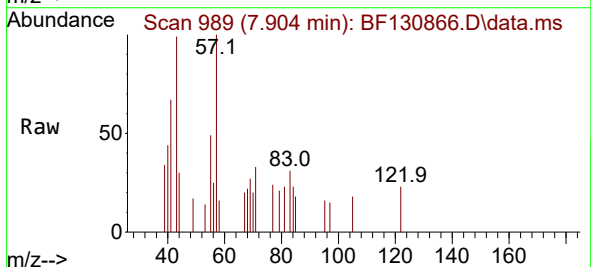
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ClientSampleId :
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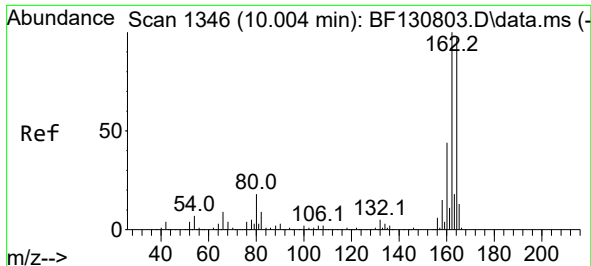
Tgt Ion: 82 Resp: 285770
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.794 ng
RT: 7.904 min Scan# 989
Delta R.T. -0.082 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

Tgt Ion: 122 Resp: 291
Ion Ratio Lower Upper
122 100
105 75.6 114.5 154.5#
77 102.4 89.8 129.8

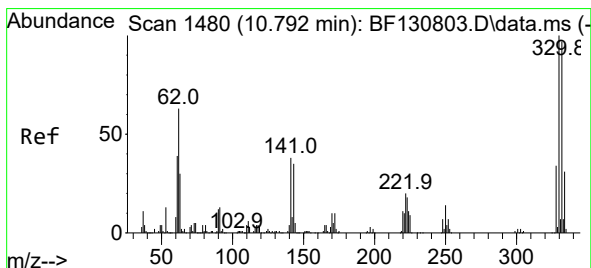
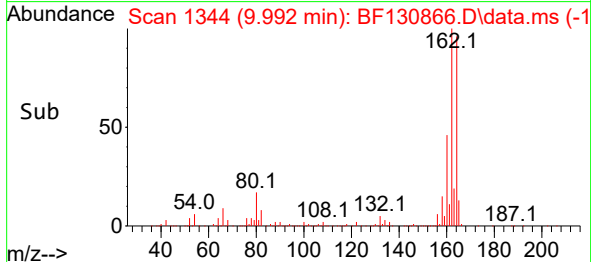
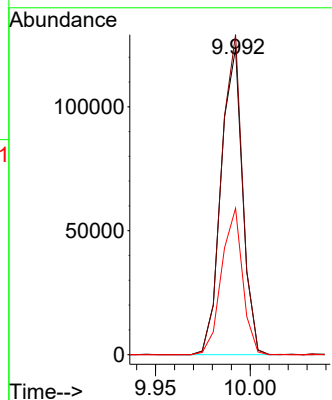
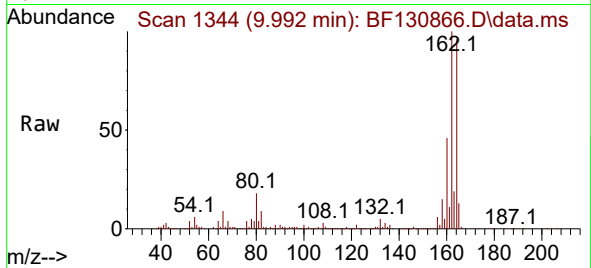




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

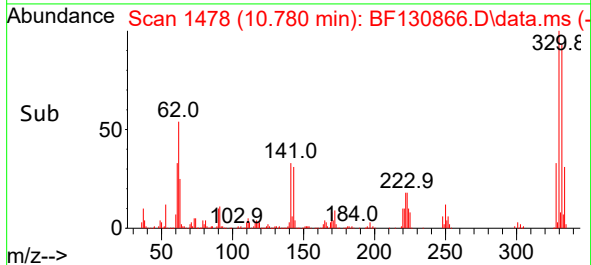
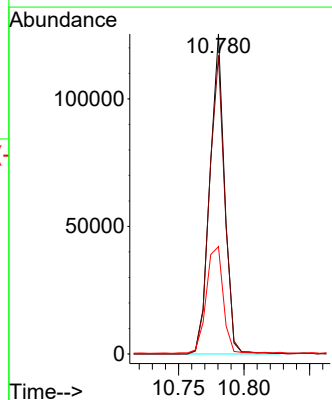
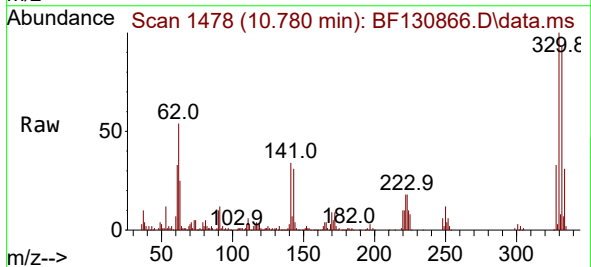
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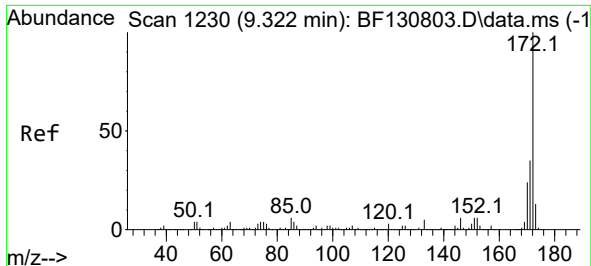
Tgt Ion:164 Resp: 97636
Ion Ratio Lower Upper
164 100
162 104.4 82.2 123.2
160 47.7 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 119.228 ng
RT: 10.780 min Scan# 1478
Delta R.T. -0.006 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

Tgt Ion:330 Resp: 97993
Ion Ratio Lower Upper
330 100
332 96.8 76.2 114.4
141 38.5 31.4 47.0

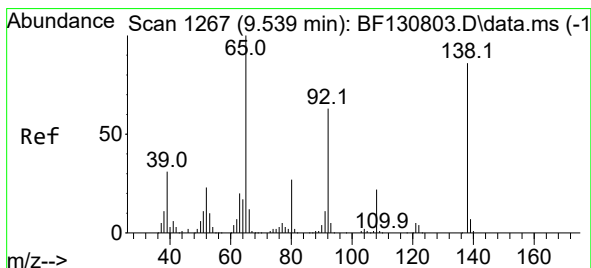
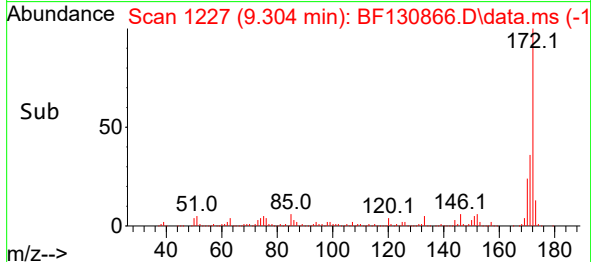
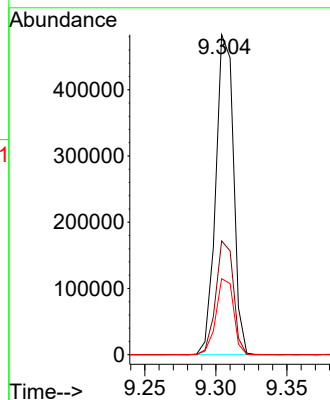
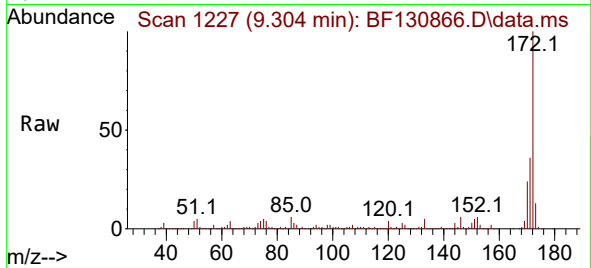




#45
2-Fluorobiphenyl
Concen: 64.885 ng
RT: 9.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

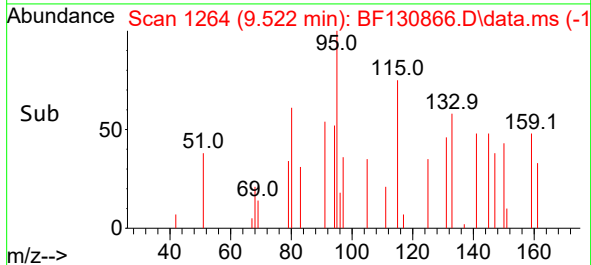
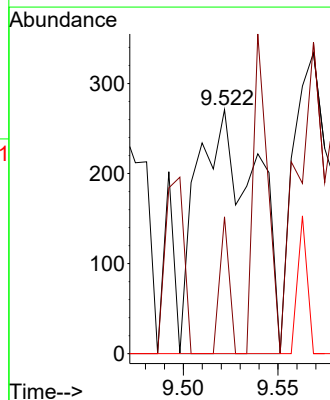
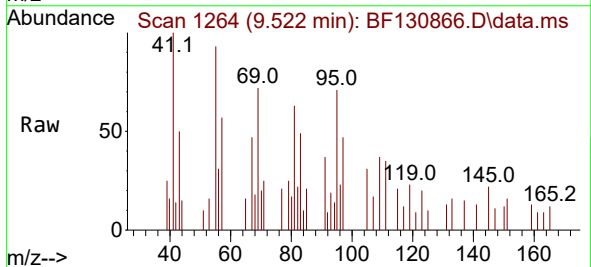
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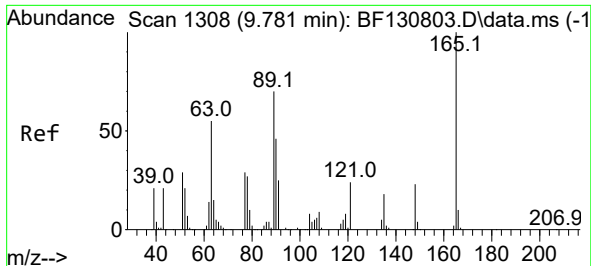
Tgt Ion:172 Resp: 419020
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.7 19.0 28.4



#48
2-Nitroaniline
Concen: 4.448 ng
RT: 9.522 min Scan# 1264
Delta R.T. -0.012 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

Tgt Ion: 65 Resp: 591
Ion Ratio Lower Upper
65 100
92 56.1 50.1 75.1
138 0.0 69.2 103.8#

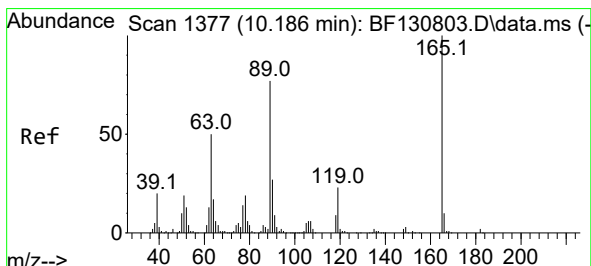
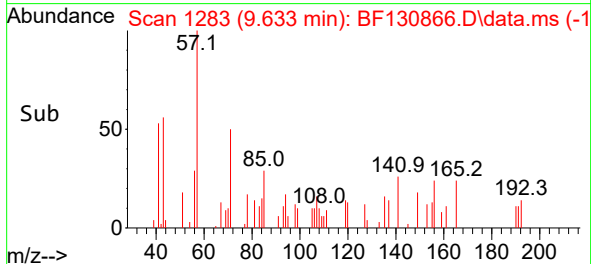
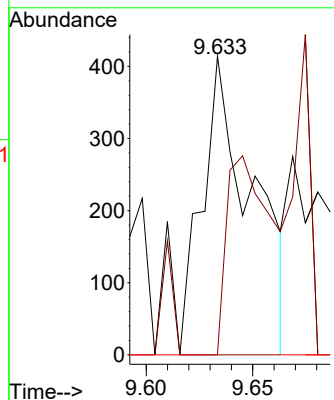
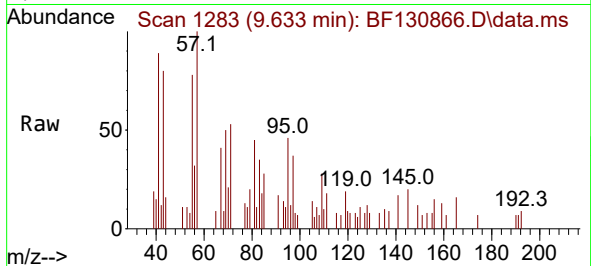




#51
2,6-Dinitrotoluene
Concen: 3.290 ng
RT: 9.633 min Scan# 11
Delta R.T. -0.141 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

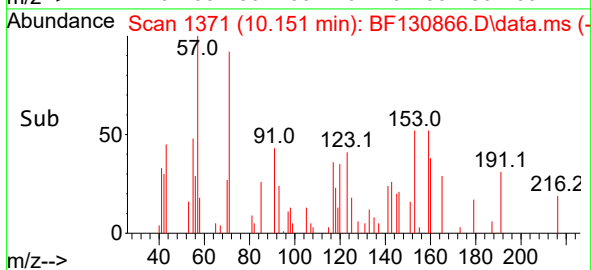
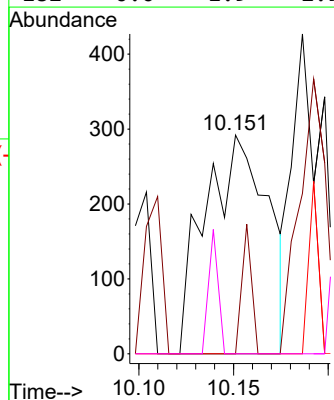
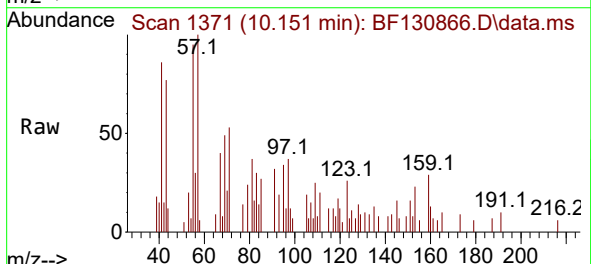
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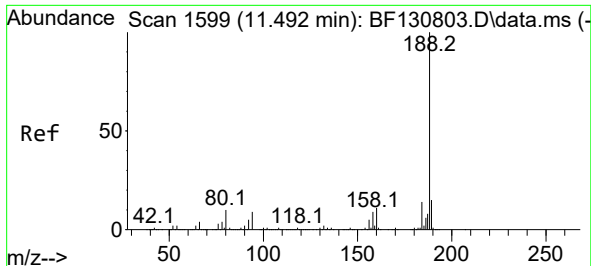
Tgt Ion:165 Resp: 679
Ion Ratio Lower Upper
165 100
63 0.0 61.8 92.8#
89 0.0 56.2 84.4#



#57
2,4-Dinitrotoluene
Concen: 4.096 ng
RT: 10.151 min Scan# 1371
Delta R.T. -0.029 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

Tgt Ion:165 Resp: 676
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 0.0 61.9 92.9#
182 0.0 1.9 2.9#

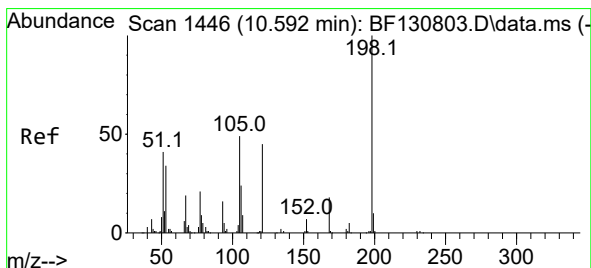
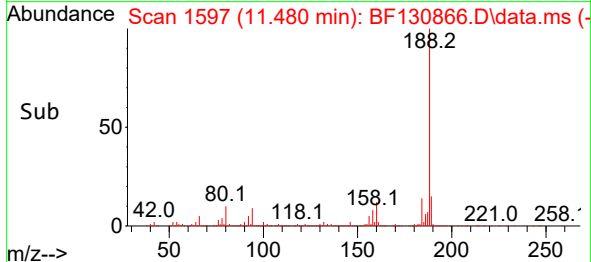
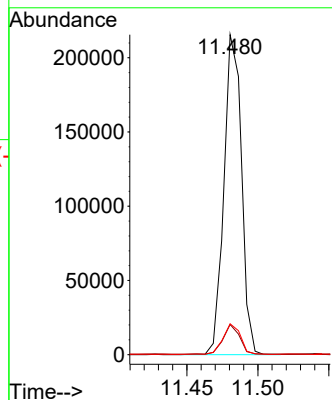
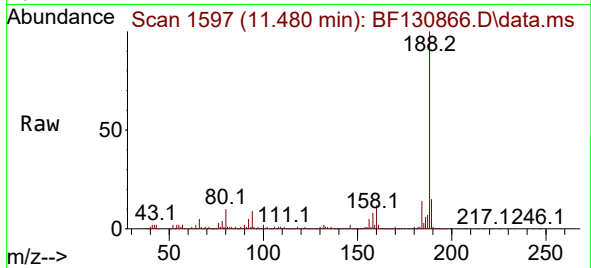




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

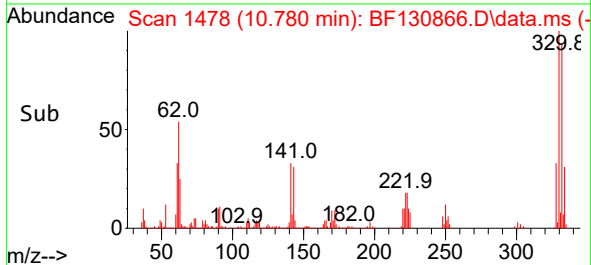
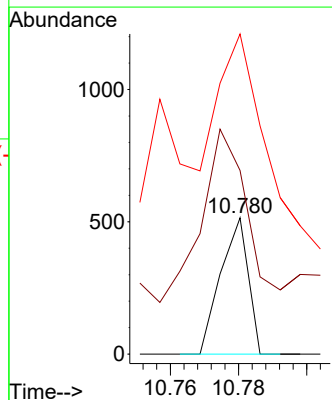
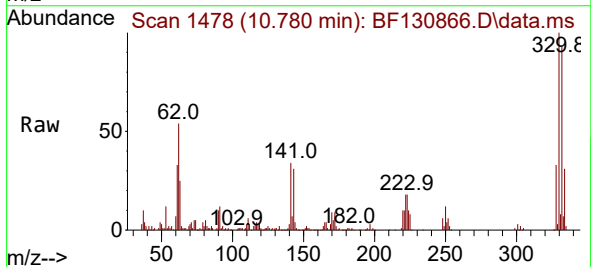
Instrument :
BNA_F
ClientSampleId :
PL-2-102622

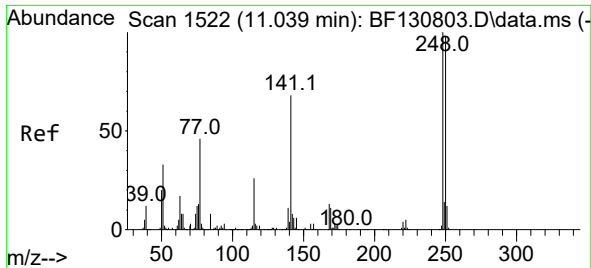
Tgt Ion:188 Resp: 185331
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.2
80 9.6 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 8.240 ng
RT: 10.780 min Scan# 1478
Delta R.T. 0.194 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

Tgt Ion:198 Resp: 289
Ion Ratio Lower Upper
198 100
51 134.8 39.0 79.0#
105 235.0 30.6 70.6#

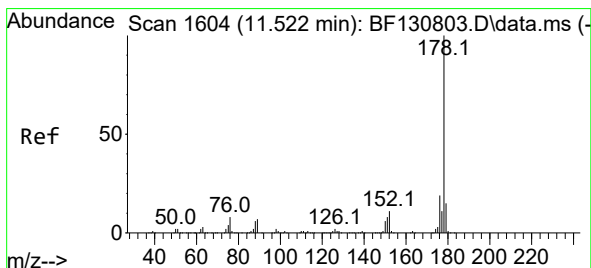
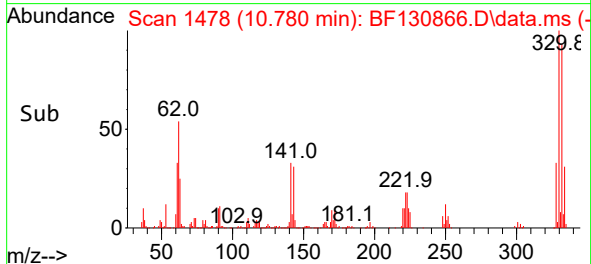
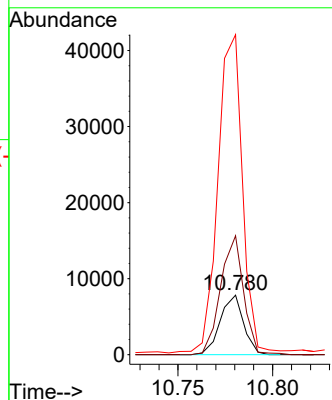
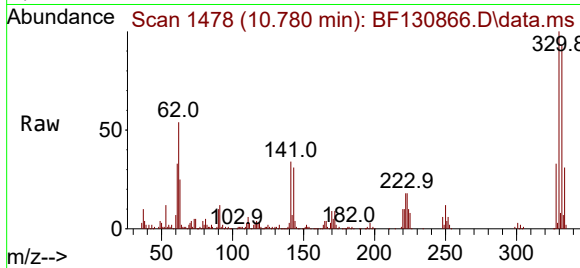




#67
4-Bromophenyl-phenylether
Concen: 3.611 ng
RT: 10.780 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

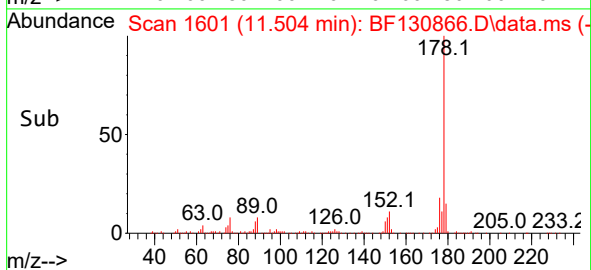
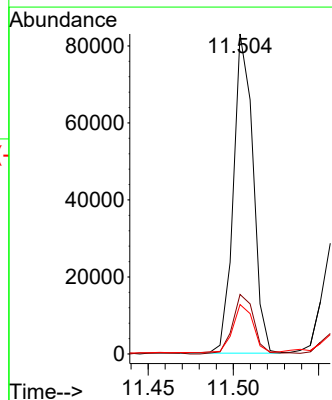
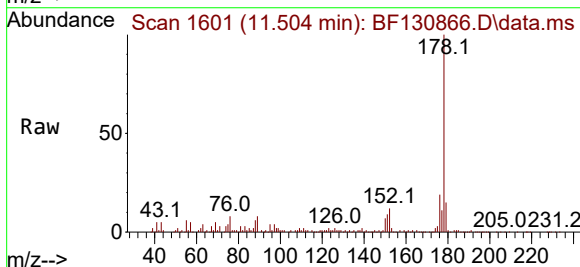
Instrument :
BNA_F
ClientSampleId :
PL-2-102622

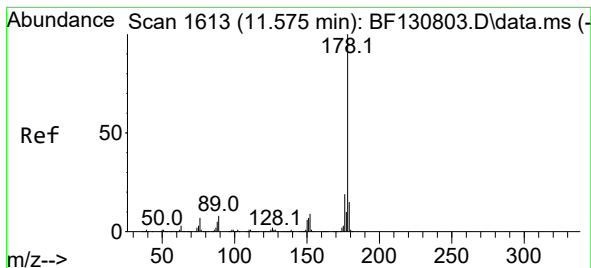
Tgt Ion:248 Resp: 6731
Ion Ratio Lower Upper
248 100
250 199.5 78.6 117.8#
141 537.0 54.2 81.4#



#71
Phenanthrene
Concen: 6.959 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

Tgt Ion:178 Resp: 66570
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.5 12.2 18.2





#72

Anthracene

Concen: 2.390 ng

RT: 11.557 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130866.D

Acq: 29 Oct 2022 19:49

Instrument :

BNA_F

ClientSampleId :

PL-2-102622

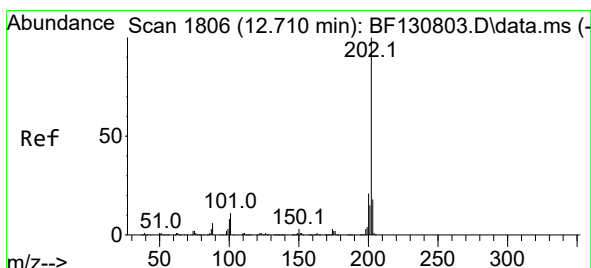
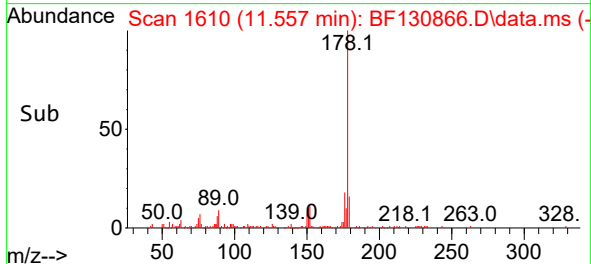
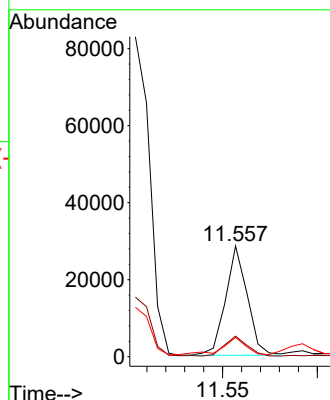
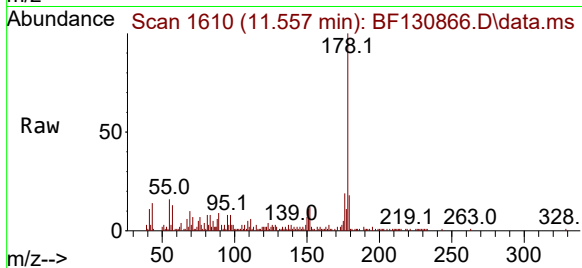
Tgt Ion:178 Resp: 22547

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.0

179 17.5 12.2 18.4



#75

Fluoranthene

Concen: 15.651 ng

RT: 12.698 min Scan# 1804

Delta R.T. -0.006 min

Lab File: BF130866.D

Acq: 29 Oct 2022 19:49

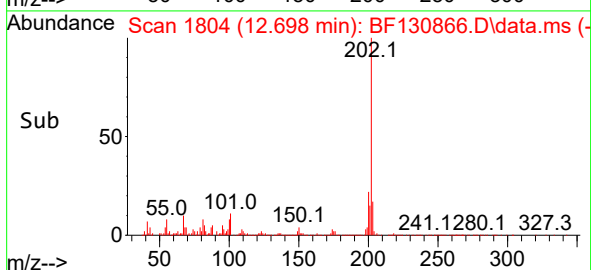
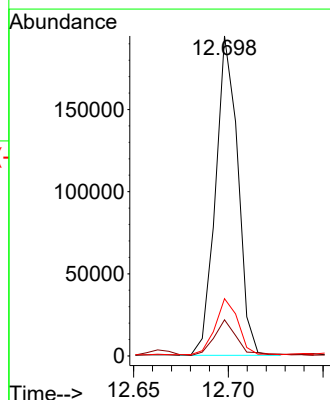
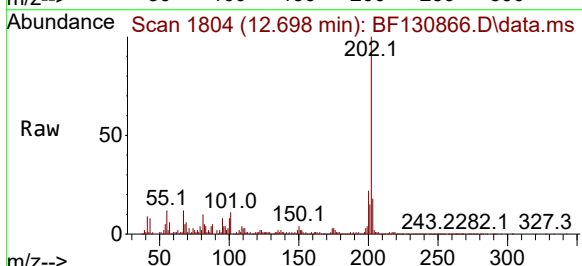
Tgt Ion:202 Resp: 159064

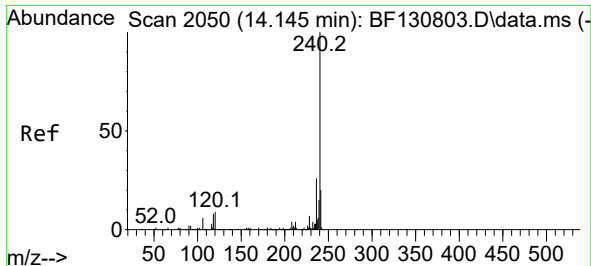
Ion Ratio Lower Upper

202 100

101 11.3 0.0 30.9

203 17.9 0.0 37.7

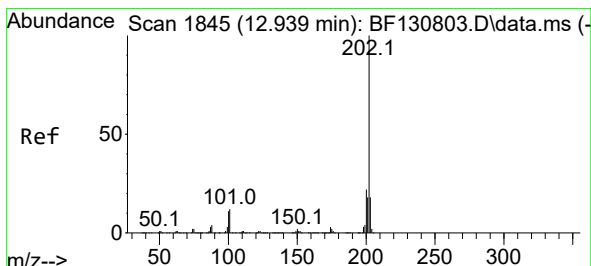
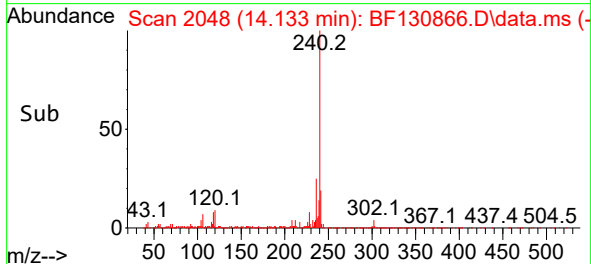
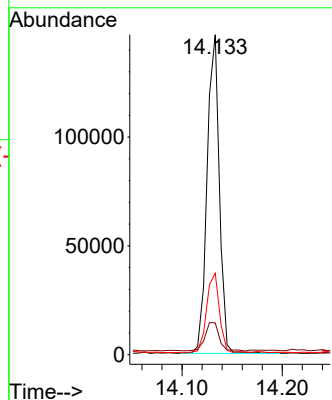
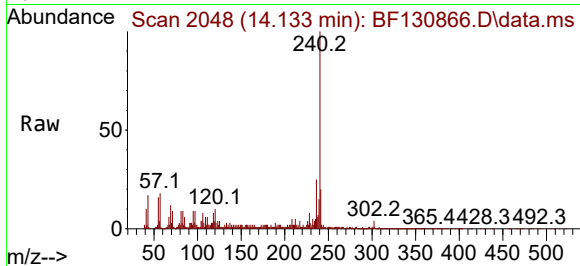




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2050
Delta R.T. -0.000 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

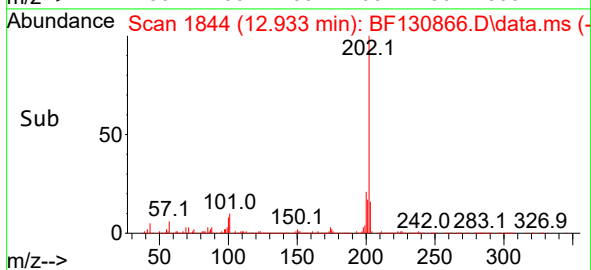
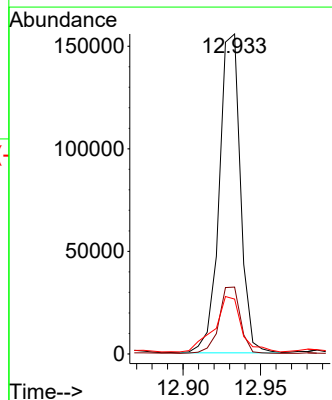
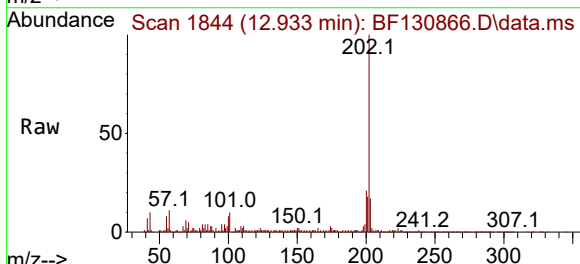
Instrument :
BNA_F
ClientSampleId :
PL-2-102622

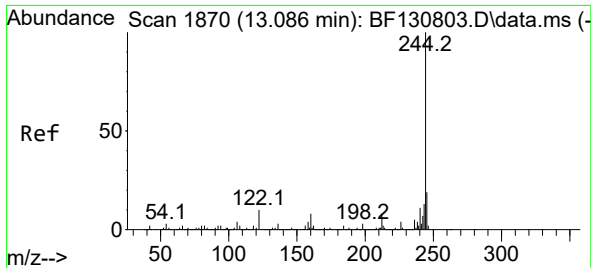
Tgt Ion:240 Resp: 125728
Ion Ratio Lower Upper
240 100
120 9.9 7.0 10.4
236 25.5 20.5 30.7



#78
Pyrene
Concen: 13.926 ng
RT: 12.933 min Scan# 1844
Delta R.T. -0.000 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

Tgt Ion:202 Resp: 147723
Ion Ratio Lower Upper
202 100
200 20.9 17.2 25.8
203 17.2 14.5 21.7

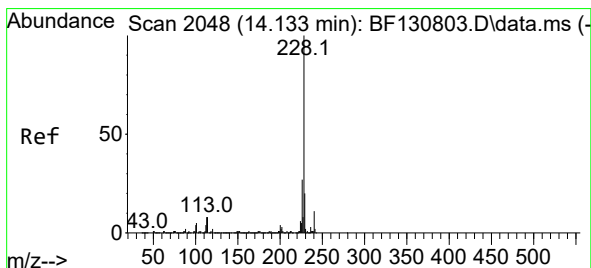
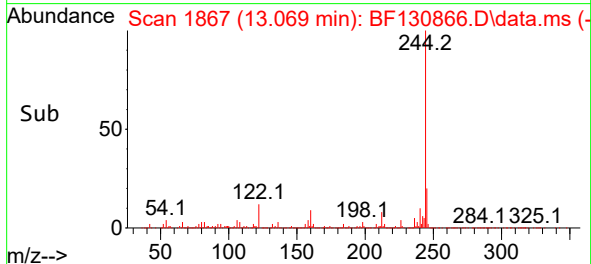
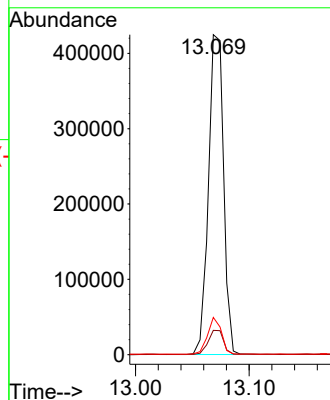
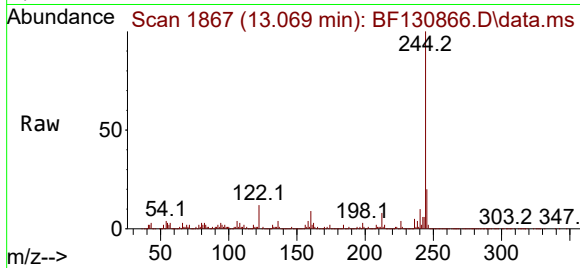




#79
 Terphenyl-d14
 Concen: 57.241 ng
 RT: 13.069 min Scan# 1867
 Delta R.T. -0.006 min
 Lab File: BF130866.D
 Acq: 29 Oct 2022 19:49

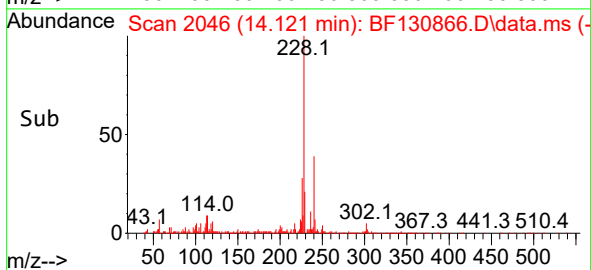
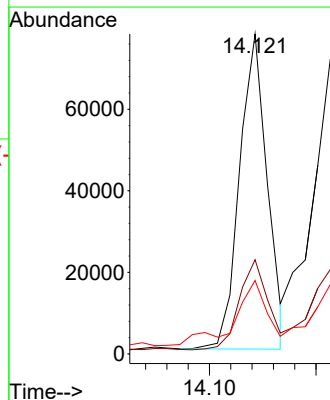
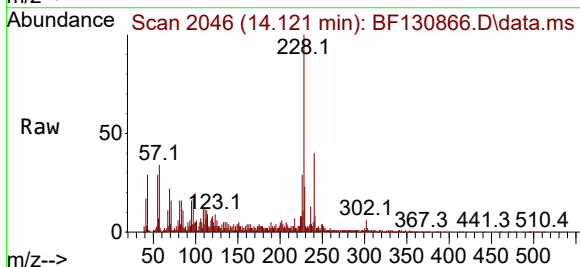
Instrument :
 BNA_F
 ClientSampleId :
 PL-2-102622

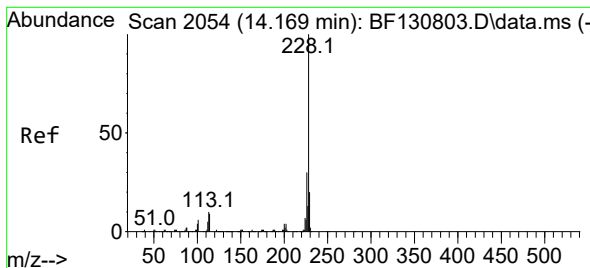
Tgt Ion:244 Resp: 392739
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 11.7 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 8.370 ng
 RT: 14.121 min Scan# 2046
 Delta R.T. -0.000 min
 Lab File: BF130866.D
 Acq: 29 Oct 2022 19:49

Tgt Ion:228 Resp: 69770
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.4 32.2
 229 22.9 15.8 23.6





#83

Chrysene

Concen: 7.837 ng

RT: 14.157 min Scan# 2054

Delta R.T. -0.000 min

Lab File: BF130866.D

Acq: 29 Oct 2022 19:49

Instrument :

BNA_F

ClientSampleId :

PL-2-102622

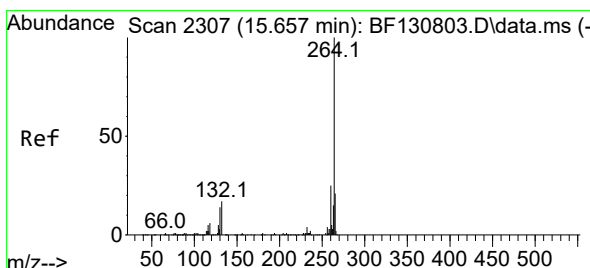
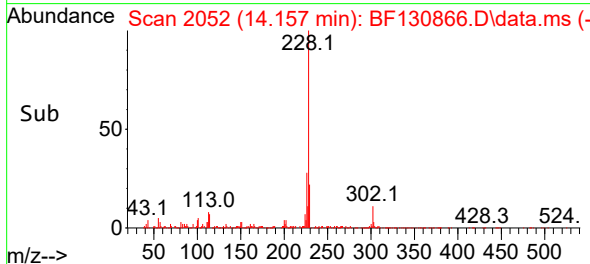
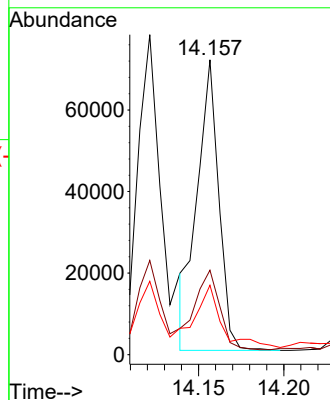
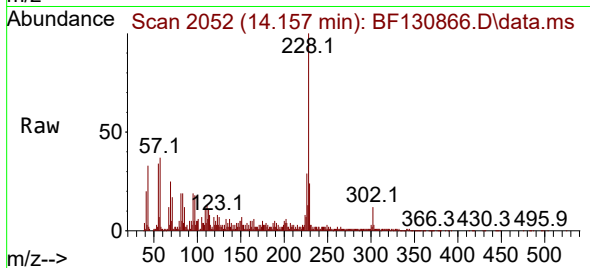
Tgt Ion:228 Resp: 63017

Ion Ratio Lower Upper

228 100

226 28.6 23.9 35.9

229 23.6 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.651 min Scan# 2306

Delta R.T. 0.006 min

Lab File: BF130866.D

Acq: 29 Oct 2022 19:49

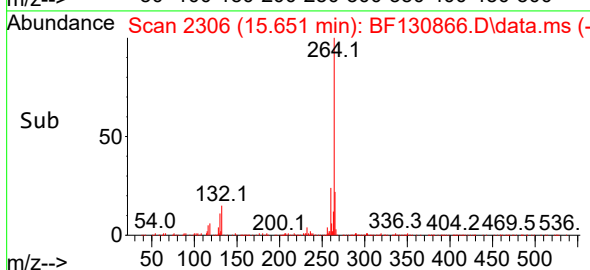
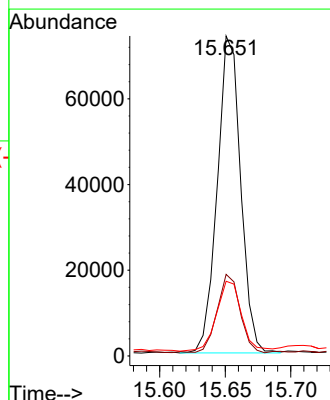
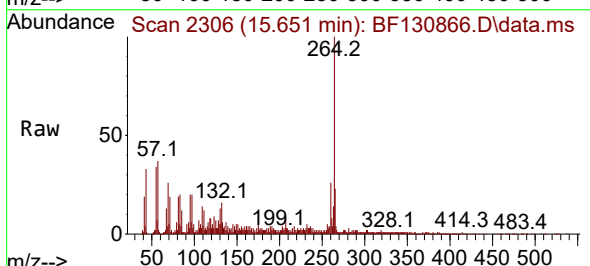
Tgt Ion:264 Resp: 91450

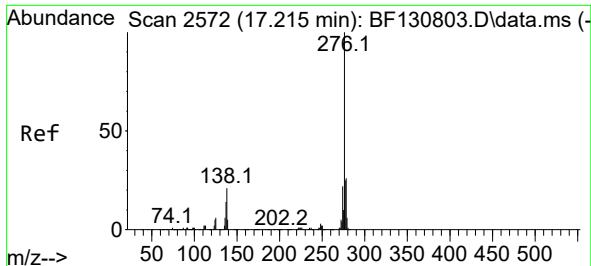
Ion Ratio Lower Upper

264 100

260 25.5 19.9 29.9

265 23.4 17.0 25.6

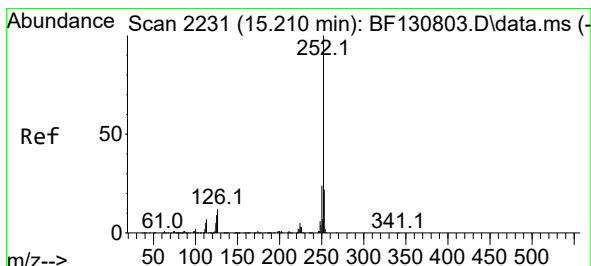
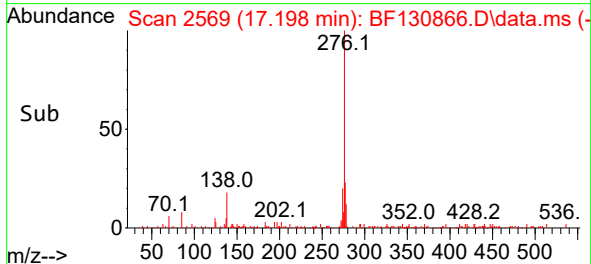
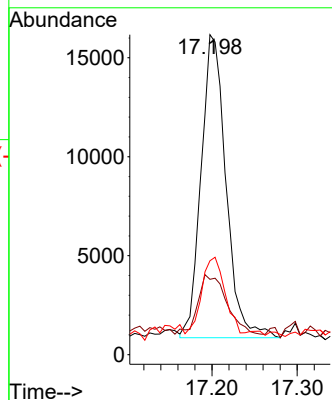
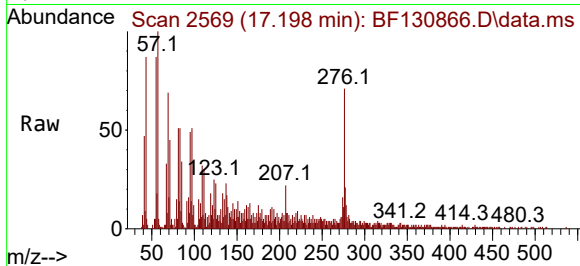




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.116 ng
 RT: 17.198 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF130866.D
 Acq: 29 Oct 2022 19:49

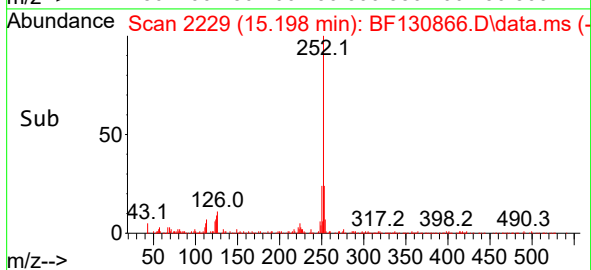
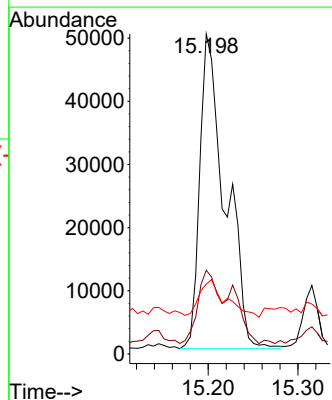
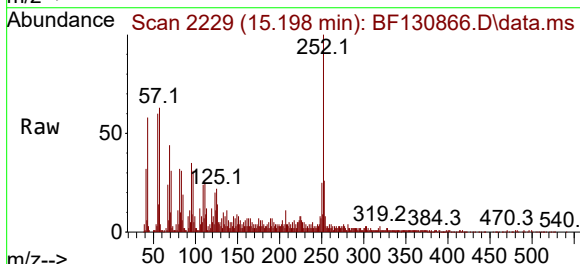
Instrument :
 BNA_F
 ClientSampleId :
 PL-2-102622

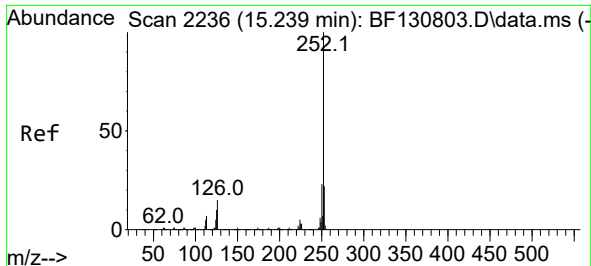
Tgt Ion:276 Resp: 31071
 Ion Ratio Lower Upper
 276 100
 138 22.7 19.1 28.7
 277 23.1 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 16.613 ng
 RT: 15.198 min Scan# 2229
 Delta R.T. -0.000 min
 Lab File: BF130866.D
 Acq: 29 Oct 2022 19:49

Tgt Ion:252 Resp: 98207
 Ion Ratio Lower Upper
 252 100
 253 26.2 17.5 26.3
 125 21.8 7.0 10.4#

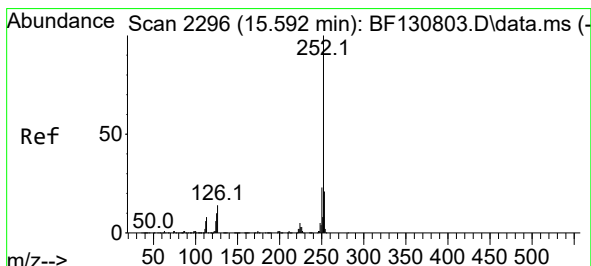
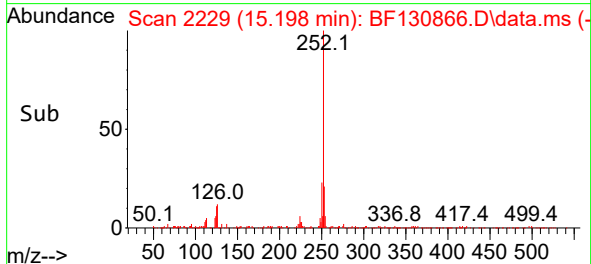
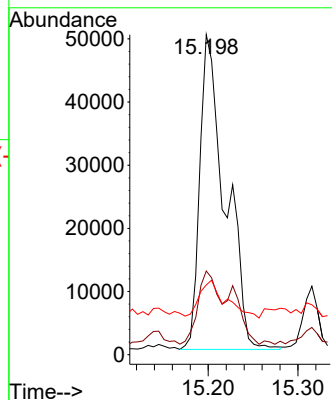
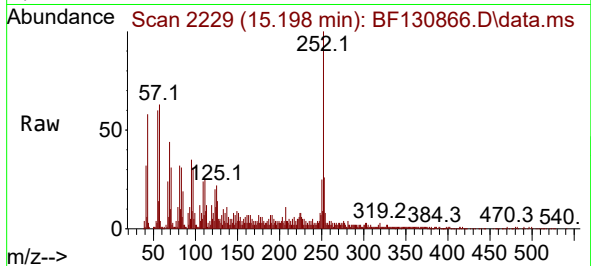




#89
Benzo(k)fluoranthene
Concen: 17.049 ng
RT: 15.198 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

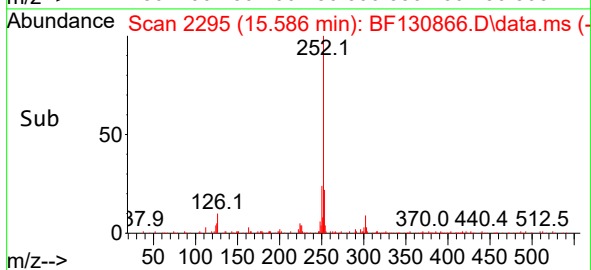
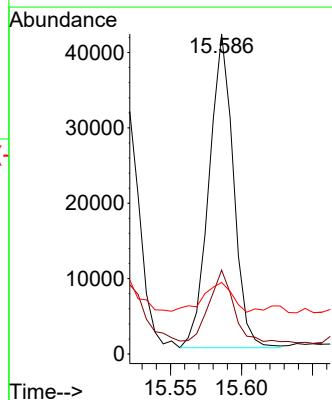
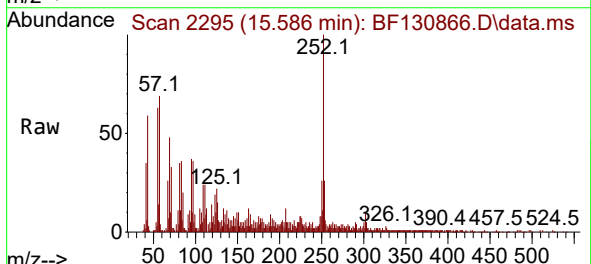
Instrument :
BNA_F
ClientSampleId :
PL-2-102622

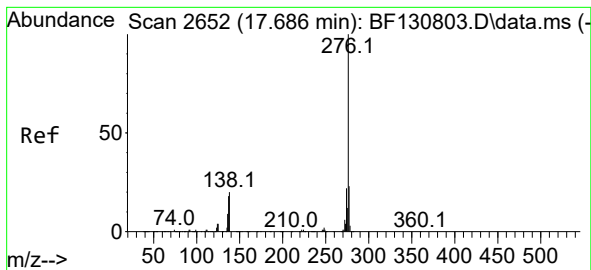
Tgt Ion:252 Resp: 98207
Ion Ratio Lower Upper
252 100
253 26.2 17.5 26.3
125 21.8 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 10.467 ng
RT: 15.586 min Scan# 2295
Delta R.T. 0.006 min
Lab File: BF130866.D
Acq: 29 Oct 2022 19:49

Tgt Ion:252 Resp: 49740
Ion Ratio Lower Upper
252 100
253 26.2 16.8 25.2#
125 22.4 8.3 12.5#





#92

Benzo(g,h,i)perylene

Concen: 6.098 ng

RT: 17.674 min Scan# 2

Delta R.T. 0.006 min

Lab File: BF130866.D

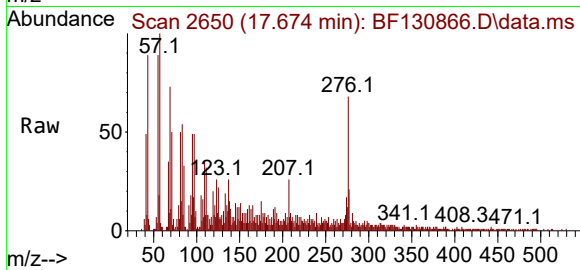
Acq: 29 Oct 2022 19:49

Instrument :

BNA_F

ClientSampleId :

PL-2-102622



Tgt Ion:276 Resp: 30798

Ion Ratio Lower Upper

276 100

277 31.4 18.8 28.2#

138 22.8 16.3 24.5

