

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
 Data File : BF130869.D
 Acq On : 29 Oct 2022 21:20
 Operator : CG\JU
 Sample : N5330-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-5-102722

Quant Time: Oct 30 23:27:55 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

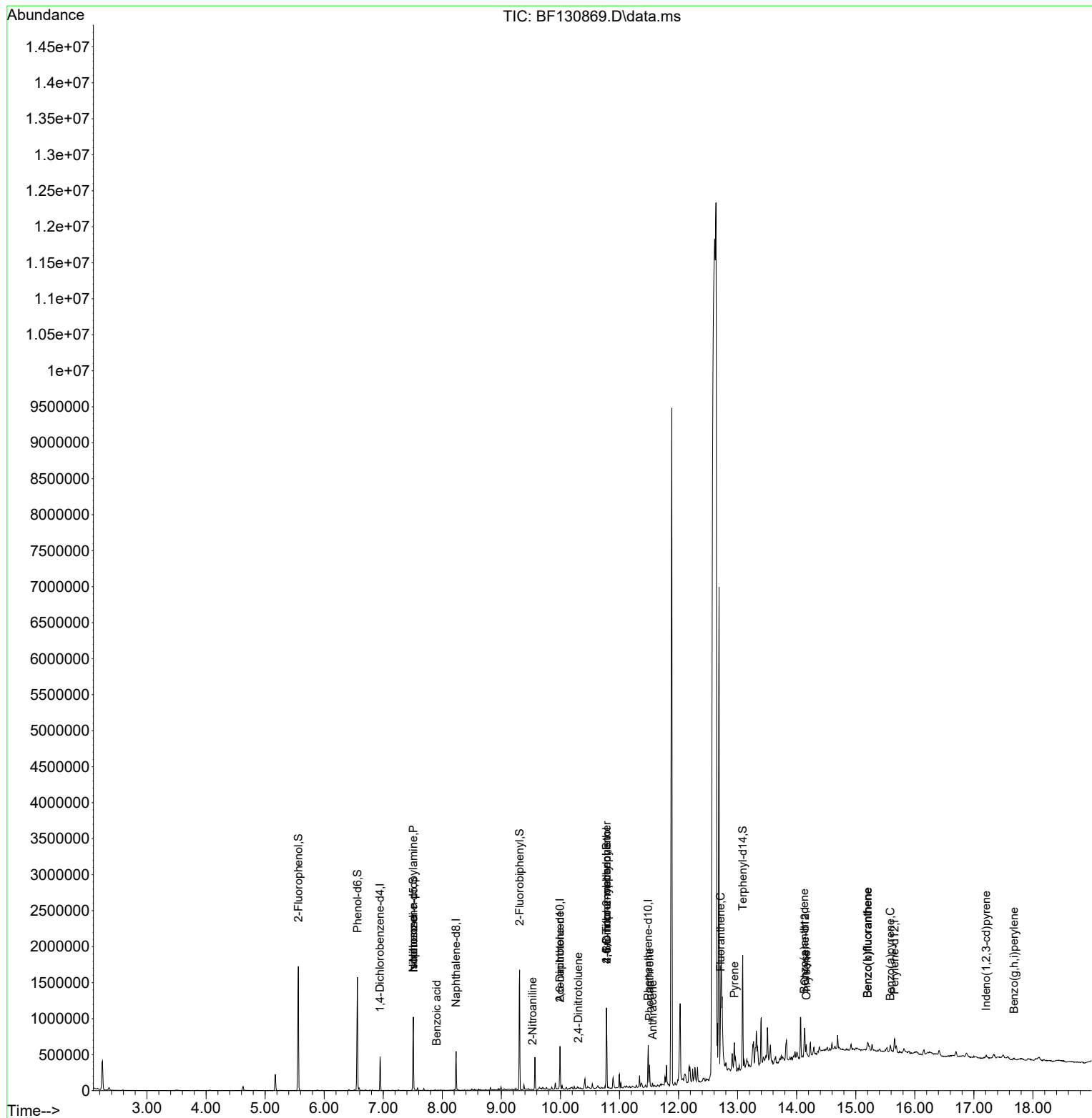
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	62022	20.000	ng	0.00
21) Naphthalene-d8	8.233	136	200811	20.000	ng	0.00
39) Acenaphthene-d10	9.992	164	98002	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	190651	20.000	ng	0.00
76) Chrysene-d12	14.139	240	120324	20.000	ng	0.00
86) Perylene-d12	15.656	264	91100	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	394806	110.354	ng	0.00
7) Phenol-d6	6.563	99	462643	99.512	ng	0.00
23) Nitrobenzene-d5	7.510	82	269276	80.857	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	107825	130.700	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	454699	70.147	ng	0.00
79) Terphenyl-d14	13.086	244	491097	74.791	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.510	70	38015	12.018	ng	# 79
25) Isophorone	7.510	82	269272	39.210	ng	# 66
32) Benzoic acid	7.904	122	127	7.732	ng	# 66
48) 2-Nitroaniline	9.527	65	114	4.205	ng	# 22
51) 2,6-Dinitrotoluene	9.992	165	12973	12.338	ng	# 13
57) 2,4-Dinitrotoluene	10.304	165	494	3.990	ng	# 76
65) 4,6-Dinitro-2-methylph...	10.780	198	375	8.321	ng	# 1
67) 4-Bromophenyl-phenylether	10.780	248	7318	3.817	ng	# 1
71) Phenanthrene	11.510	178	98048	9.964	ng	99
72) Anthracene	11.563	178	19562	2.016	ng	99
75) Fluoranthene	12.710	202	168614	16.128	ng	98
78) Pyrene	12.945	202	149722	14.749	ng	99
81) Benzo(a)anthracene	14.127	228	56785	7.118	ng	91
83) Chrysene	14.162	228	65311	8.488	ng	95
87) Indeno(1,2,3-cd)pyrene	17.209	276	23761	3.928	ng	96
88) Benzo(b)fluoranthene	15.204	252	80952	13.746	ng	# 84
89) Benzo(k)fluoranthene	15.204	252	80952	14.107	ng	# 85
90) Benzo(a)pyrene	15.586	252	40278	8.508	ng	# 85
92) Benzo(g,h,i)perylene	17.680	276	23412	4.653	ng	94

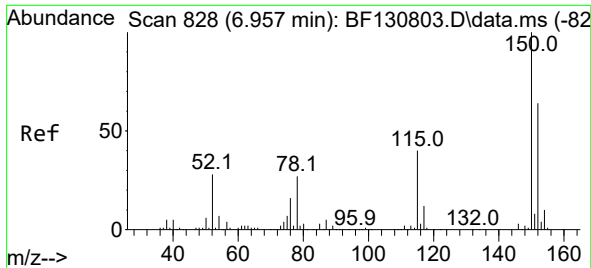
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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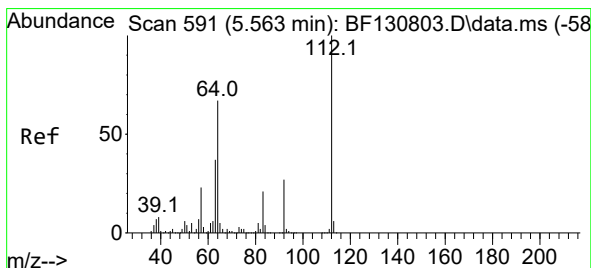
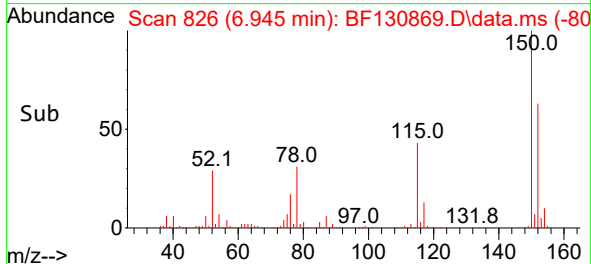
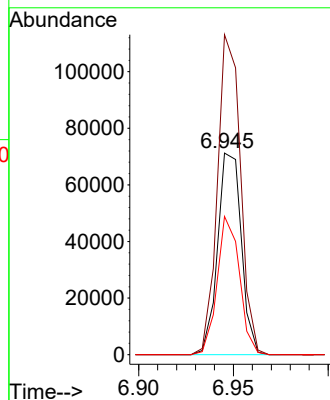
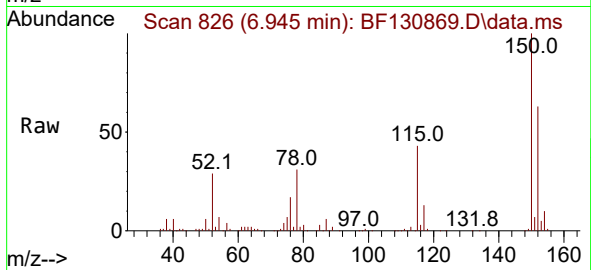




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

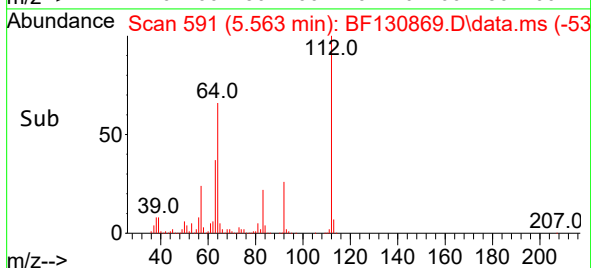
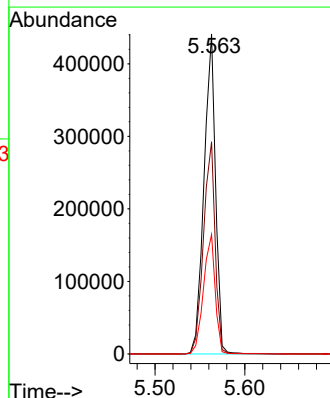
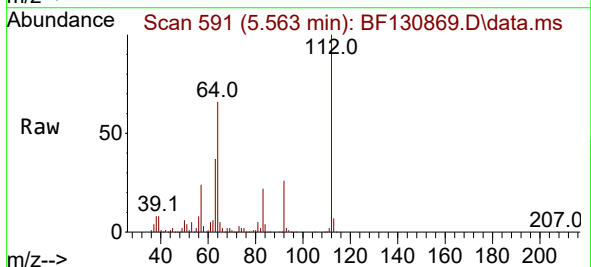
Instrument :
BNA_F
ClientSampleId :
TR-5-102722

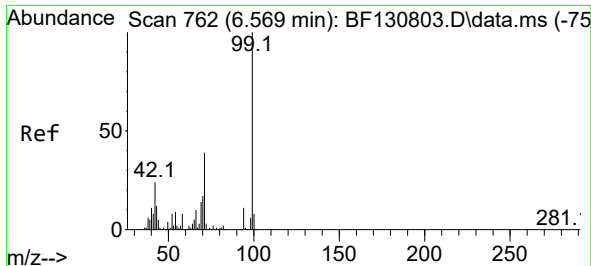
Tgt Ion:152 Resp: 62022
Ion Ratio Lower Upper
152 100
150 158.8 124.1 186.1
115 68.6 50.1 75.1



#5
2-Fluorophenol
Concen: 110.354 ng
RT: 5.563 min Scan# 591
Delta R.T. 0.006 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

Tgt Ion:112 Resp: 394806
Ion Ratio Lower Upper
112 100
64 66.3 53.9 80.9
63 37.3 29.4 44.2

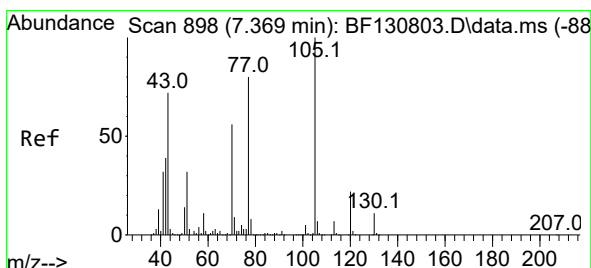
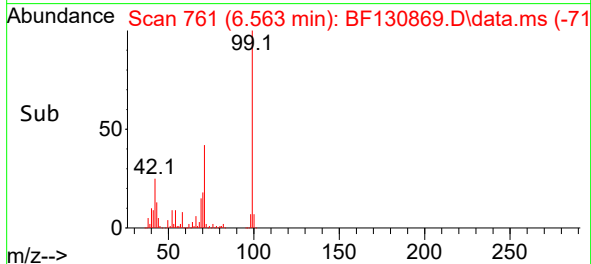
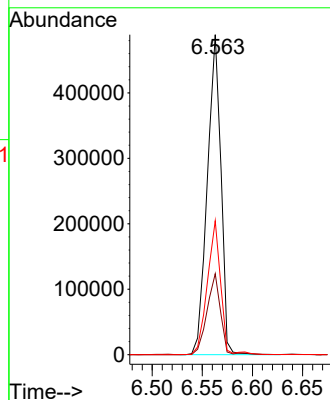
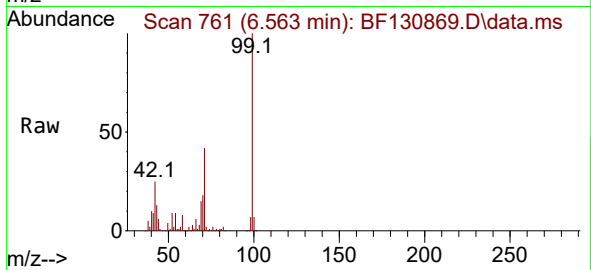




#7
Phenol-d6
Concen: 99.512 ng
RT: 6.563 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

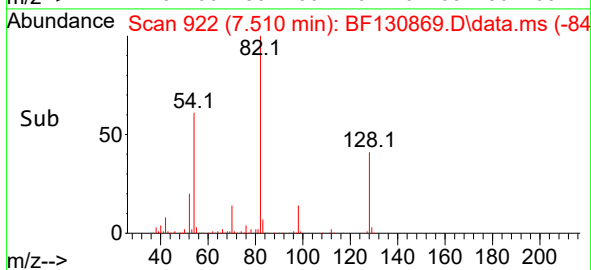
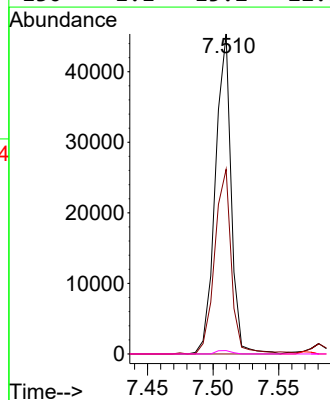
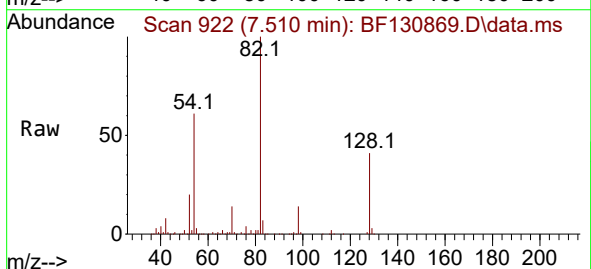
Instrument :
BNA_F
ClientSampleId :
TR-5-102722

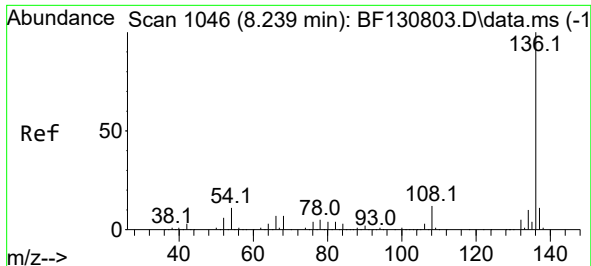
Tgt Ion: 99 Resp: 462643
Ion Ratio Lower Upper
99 100
42 25.3 18.8 28.2
71 41.8 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.018 ng
RT: 7.510 min Scan# 922
Delta R.T. 0.147 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

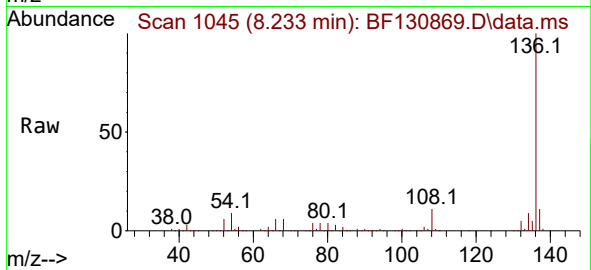
Tgt Ion: 70 Resp: 38015
Ion Ratio Lower Upper
70 100
42 57.7 56.1 84.1
101 0.0 7.3 10.9#
130 1.1 15.2 22.8#



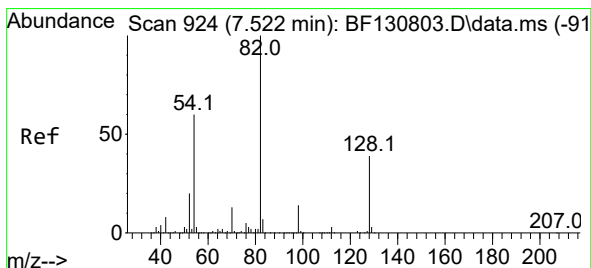
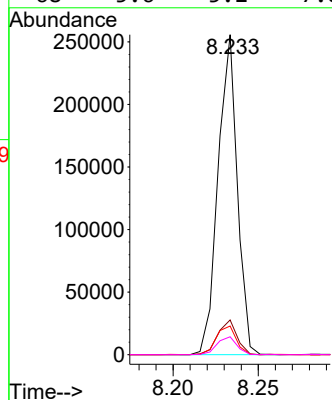
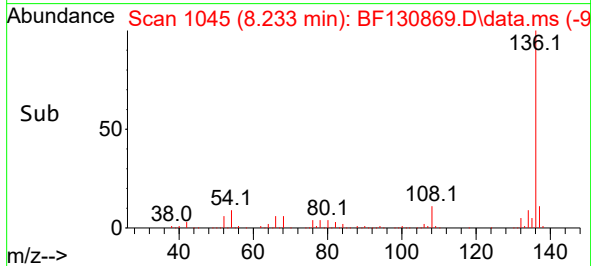


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.233 min Scan# 1046
Delta R.T. -0.000 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

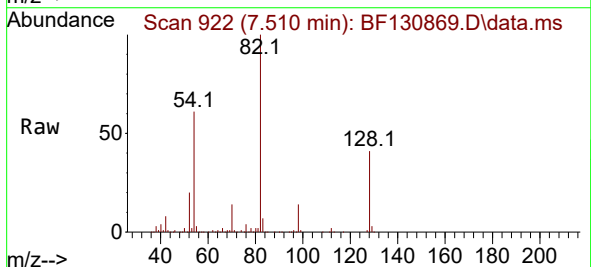
Instrument :
BNA_F
ClientSampleId :
TR-5-102722



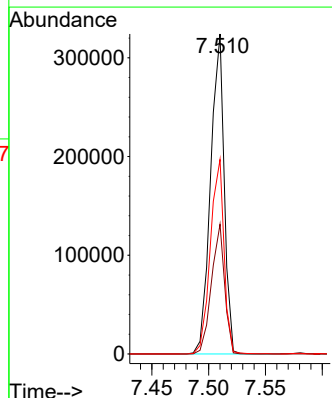
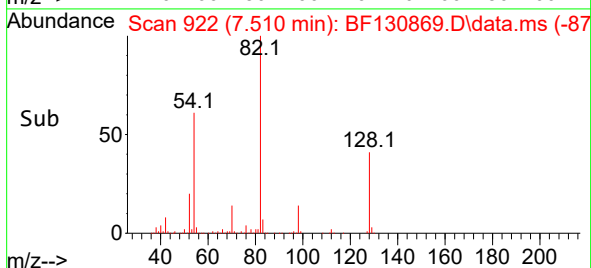
Tgt Ion:136 Resp: 200811
Ion Ratio Lower Upper
136 100
137 10.8 9.2 13.8
54 9.0 8.8 13.2
68 5.6 5.2 7.8

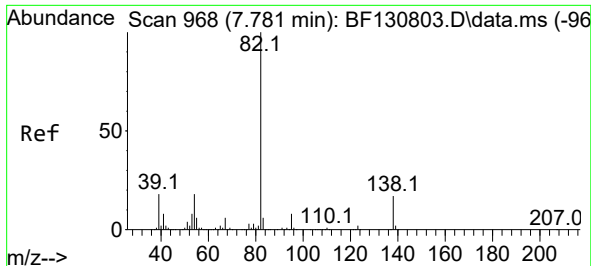


#23
Nitrobenzene-d5
Concen: 80.857 ng
RT: 7.510 min Scan# 922
Delta R.T. -0.006 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20



Tgt Ion: 82 Resp: 269276
Ion Ratio Lower Upper
82 100
128 40.5 31.2 46.8
54 60.8 48.0 72.0

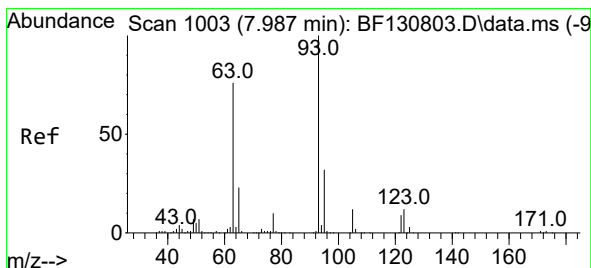
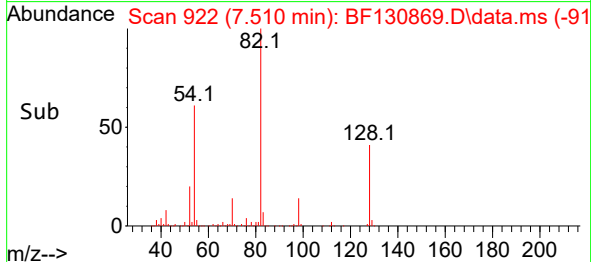
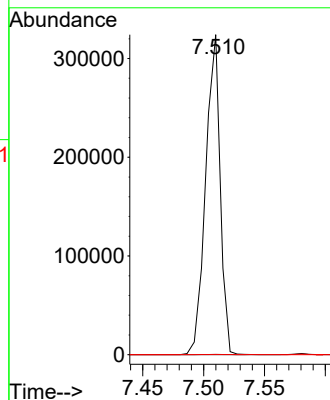
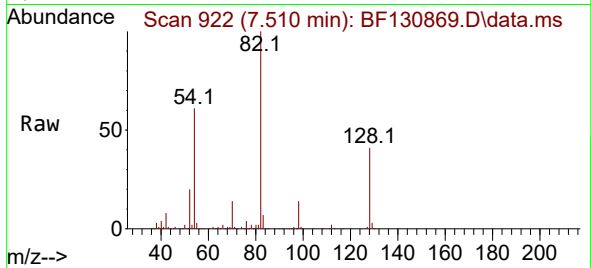




#25
Isophorone
Concen: 39.210 ng
RT: 7.510 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

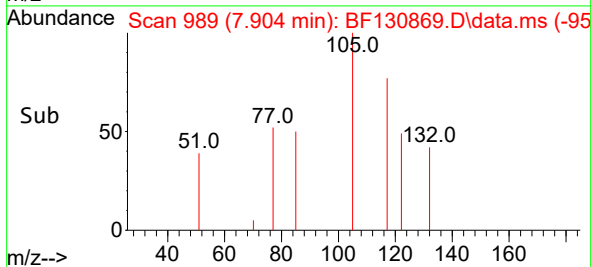
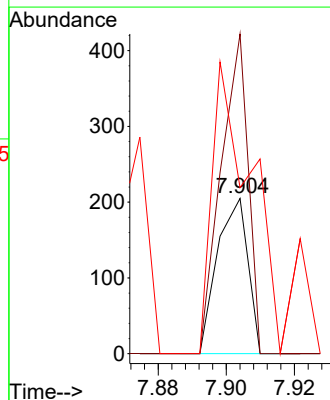
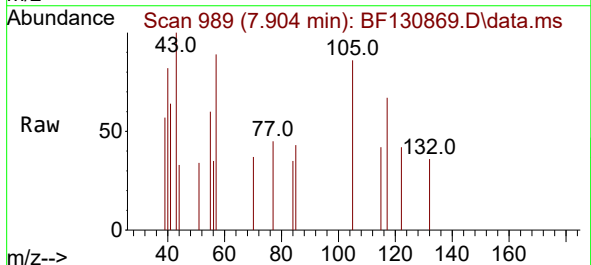
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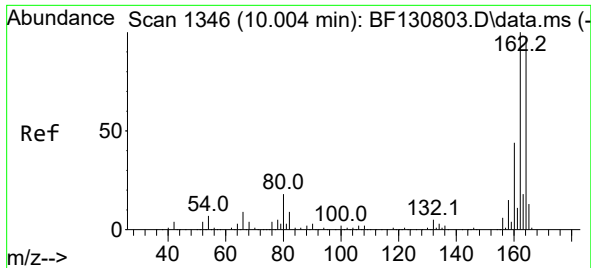
Tgt Ion: 82 Resp: 269272
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.732 ng
RT: 7.904 min Scan# 989
Delta R.T. -0.083 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

Tgt Ion: 122 Resp: 127
Ion Ratio Lower Upper
122 100
105 205.9 114.5 154.5#
77 106.8 89.8 129.8

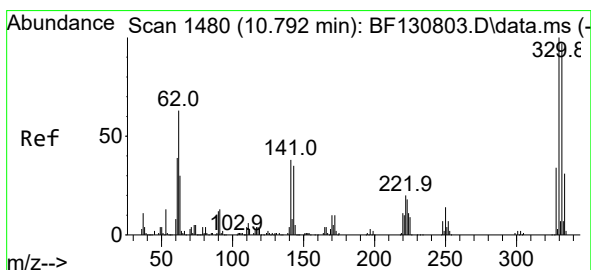
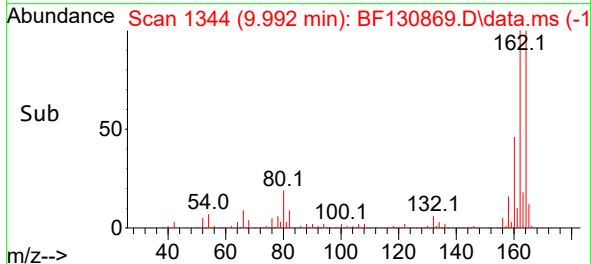
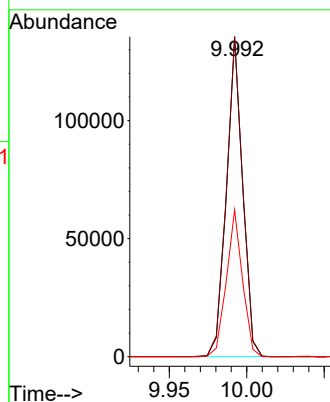
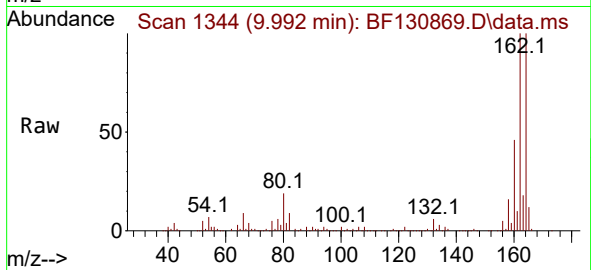




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

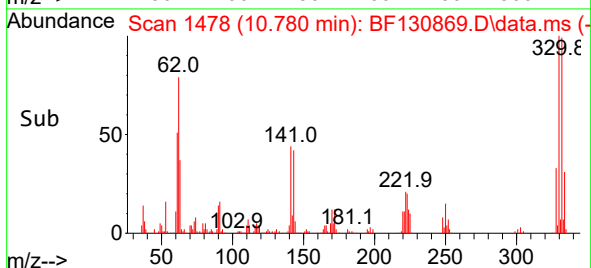
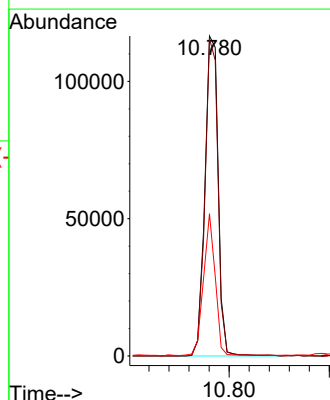
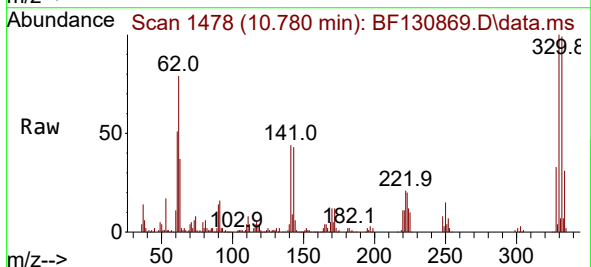
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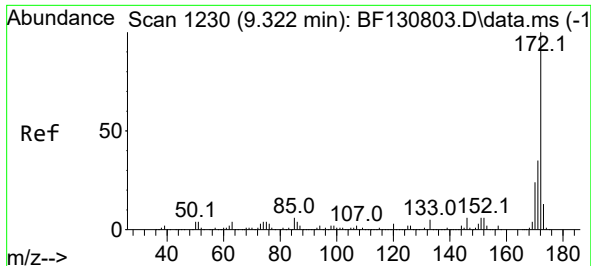
Tgt Ion:164 Resp: 98002
Ion Ratio Lower Upper
164 100
162 100.0 82.2 123.2
160 45.9 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 130.700 ng
RT: 10.780 min Scan# 1478
Delta R.T. -0.006 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

Tgt Ion:330 Resp: 107825
Ion Ratio Lower Upper
330 100
332 96.6 76.2 114.4
141 39.9 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 70.147 ng

RT: 9.310 min Scan# 1228

Delta R.T. -0.000 min

Lab File: BF130869.D

Acq: 29 Oct 2022 21:20

Instrument :

BNA_F

ClientSampleId :

TR-5-102722

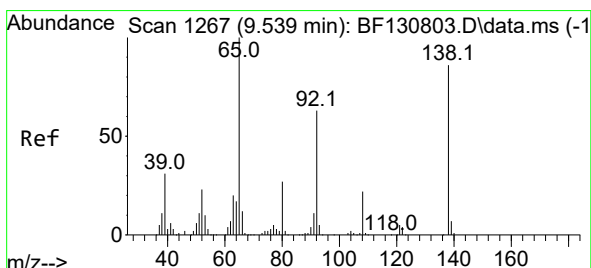
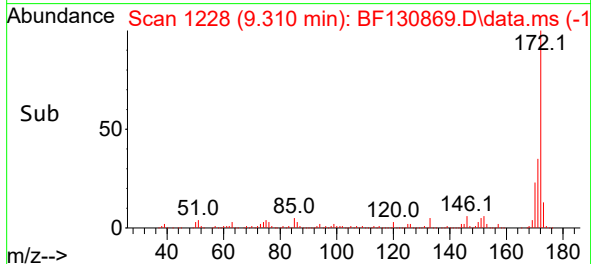
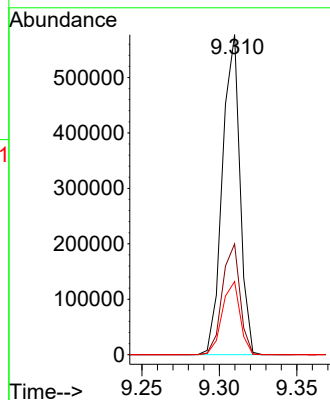
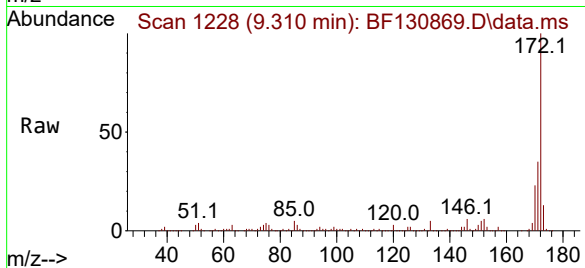
Tgt Ion:172 Resp: 454699

Ion Ratio Lower Upper

172 100

171 34.6 28.1 42.1

170 22.9 19.0 28.4



#48

2-Nitroaniline

Concen: 4.205 ng

RT: 9.527 min Scan# 1265

Delta R.T. -0.006 min

Lab File: BF130869.D

Acq: 29 Oct 2022 21:20

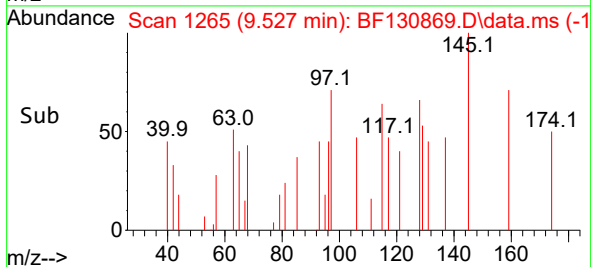
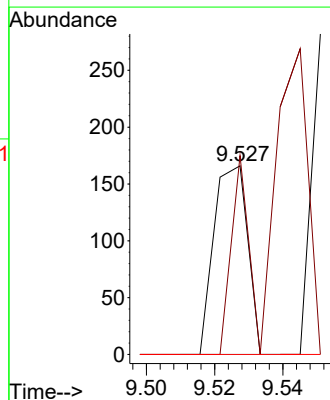
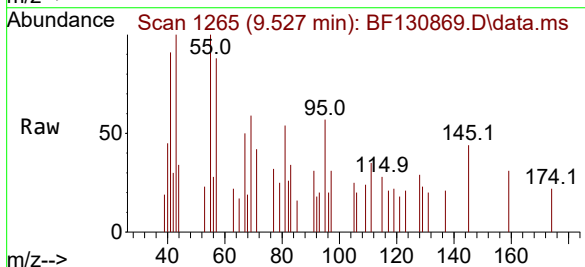
Tgt Ion: 65 Resp: 114

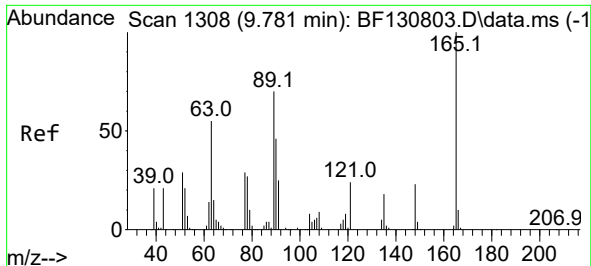
Ion Ratio Lower Upper

65 100

92 105.4 50.1 75.1#

138 0.0 69.2 103.8#





#51

2,6-Dinitrotoluene

Concen: 12.338 ng

RT: 9.992 min Scan# 1

Delta R.T. 0.217 min

Lab File: BF130869.D

Acq: 29 Oct 2022 21:20

Instrument :

BNA_F

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TR-5-102722

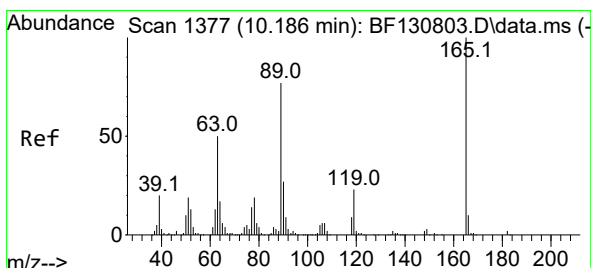
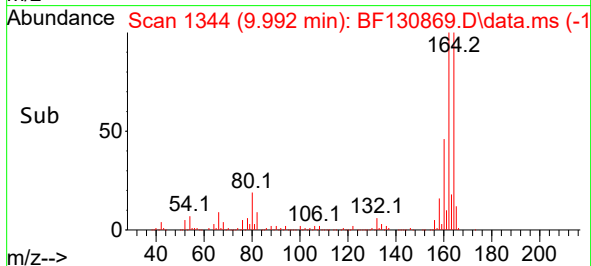
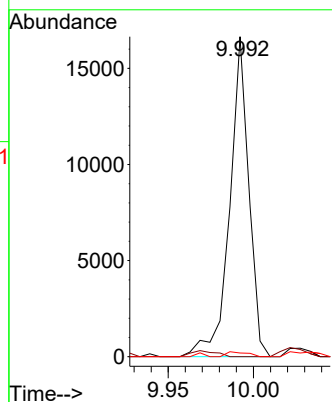
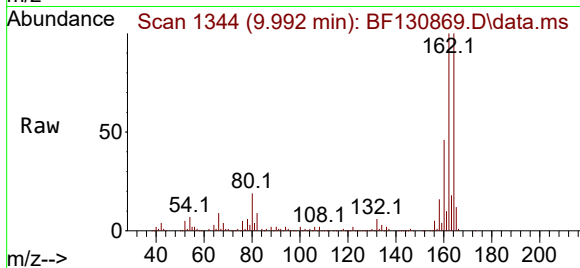
Tgt Ion:165 Resp: 12973

Ion Ratio Lower Upper

165 100

63 0.0 61.8 92.8#

89 1.2 56.2 84.4#



#57

2,4-Dinitrotoluene

Concen: 3.990 ng

RT: 10.304 min Scan# 1397

Delta R.T. 0.123 min

Lab File: BF130869.D

Acq: 29 Oct 2022 21:20

Tgt Ion:165 Resp: 494

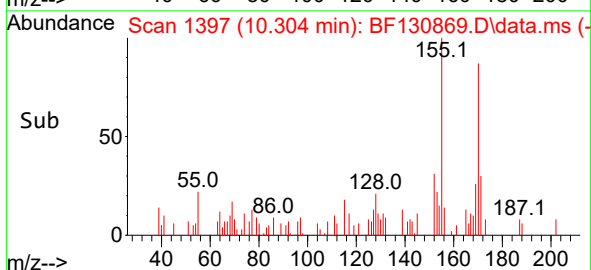
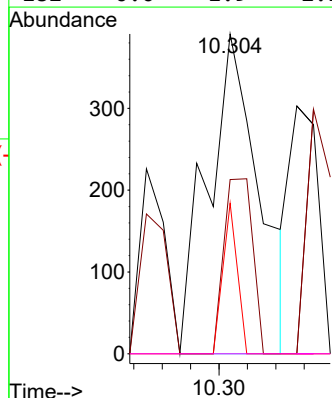
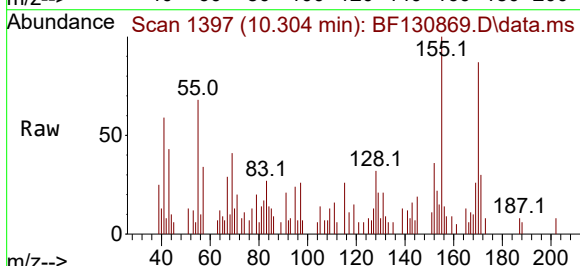
Ion Ratio Lower Upper

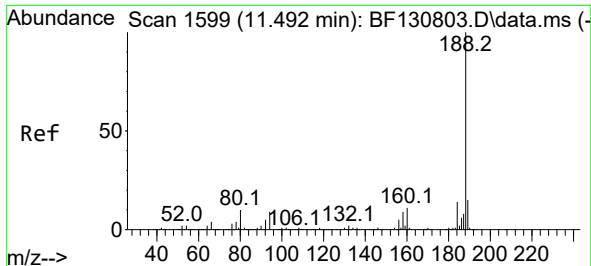
165 100

63 54.5 39.8 59.6

89 47.1 61.9 92.9#

182 0.0 1.9 2.9#

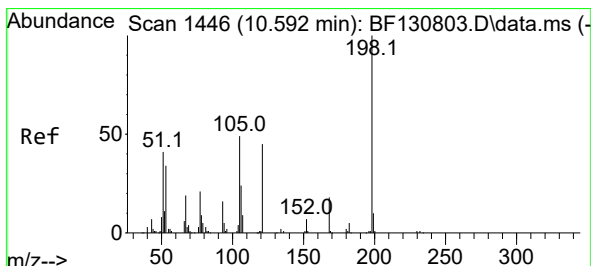
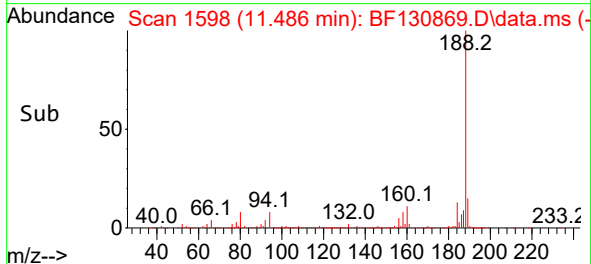
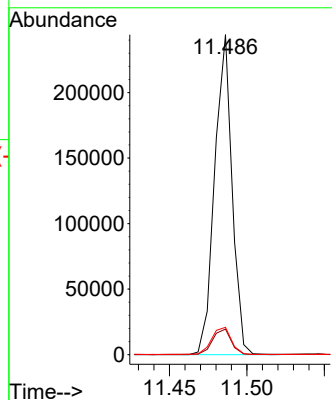
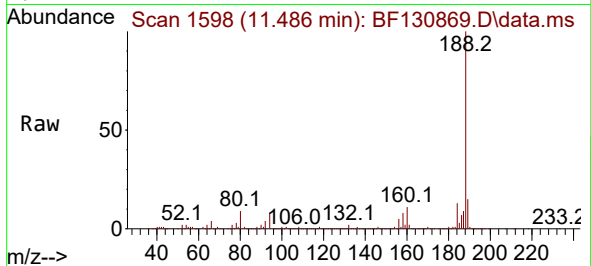




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

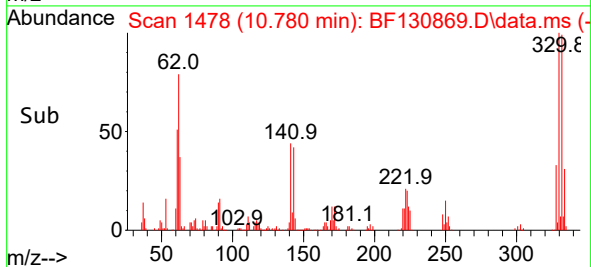
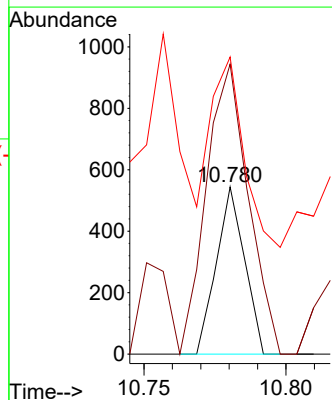
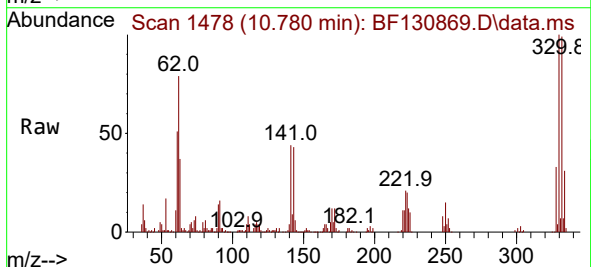
Instrument :
BNA_F
ClientSampleId :
TR-5-102722

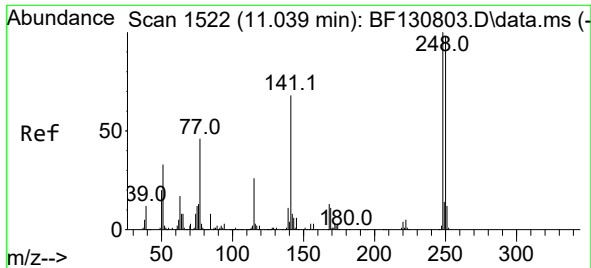
Tgt Ion:188 Resp: 190651
Ion Ratio Lower Upper
188 100
94 8.0 7.4 11.2
80 8.5 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 8.321 ng
RT: 10.780 min Scan# 1478
Delta R.T. 0.194 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

Tgt Ion:198 Resp: 375
Ion Ratio Lower Upper
198 100
51 173.5 39.0 79.0#
105 177.8 30.6 70.6#

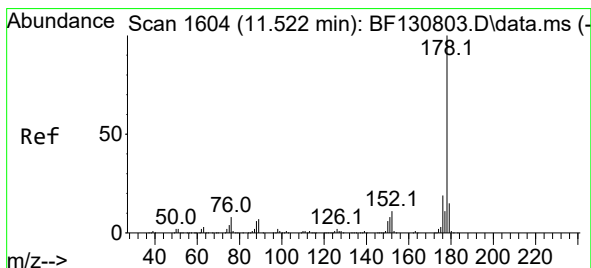
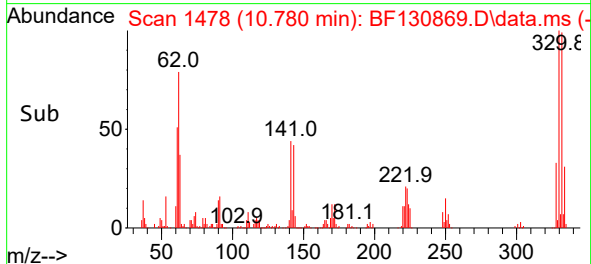
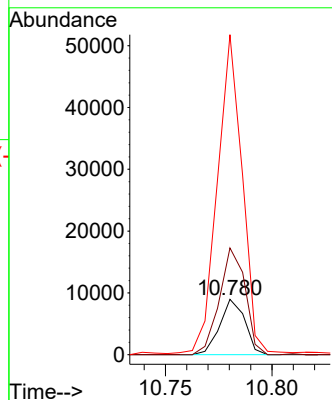
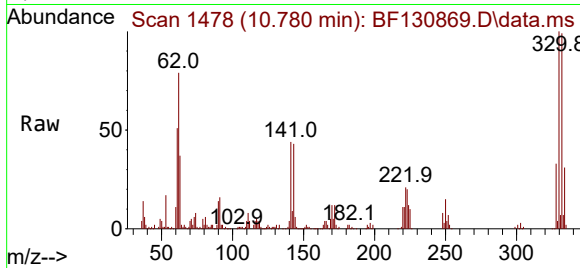




#67
4-Bromophenyl-phenylether
Concen: 3.817 ng
RT: 10.780 min Scan# 1478
Delta R.T. -0.247 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

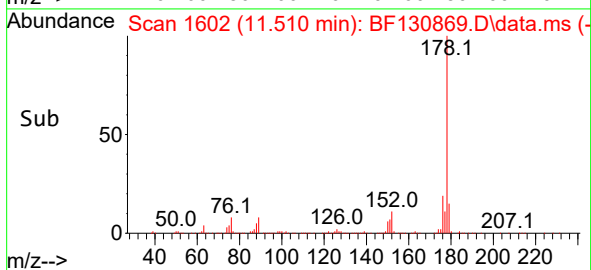
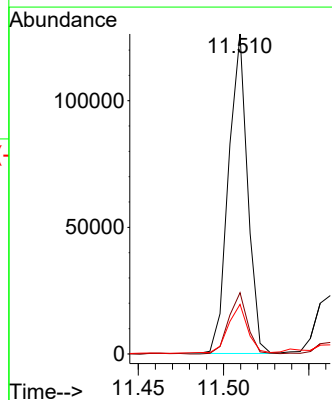
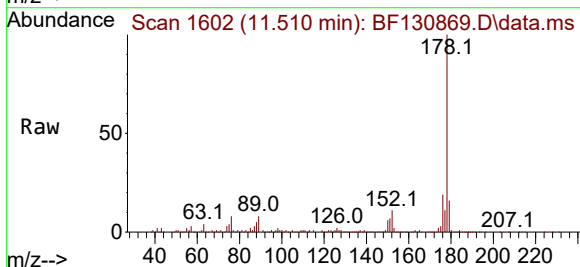
Instrument :
BNA_F
ClientSampleId :
TR-5-102722

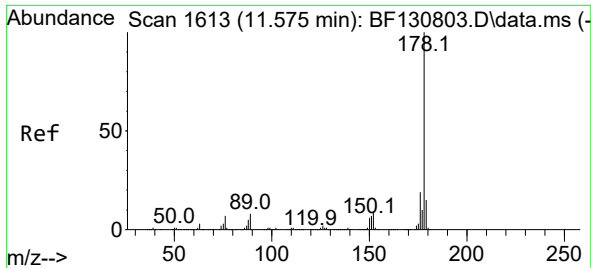
Tgt Ion:248 Resp: 7318
Ion Ratio Lower Upper
248 100
250 192.9 78.6 117.8#
141 578.5 54.2 81.4#



#71
Phenanthrene
Concen: 9.964 ng
RT: 11.510 min Scan# 1602
Delta R.T. -0.000 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

Tgt Ion:178 Resp: 98048
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.5 12.2 18.2

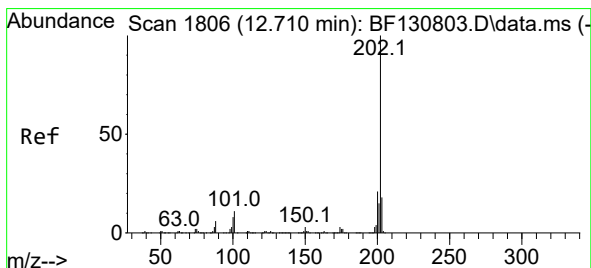
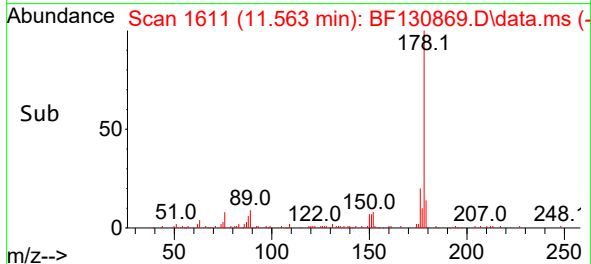
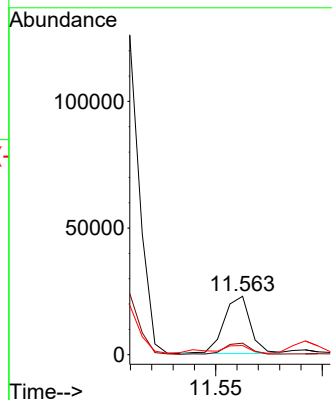
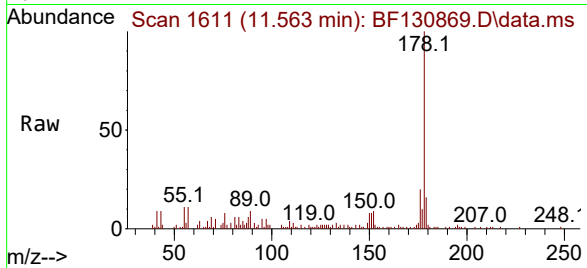




#72
 Anthracene
 Concen: 2.016 ng
 RT: 11.563 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: BF130869.D
 Acq: 29 Oct 2022 21:20

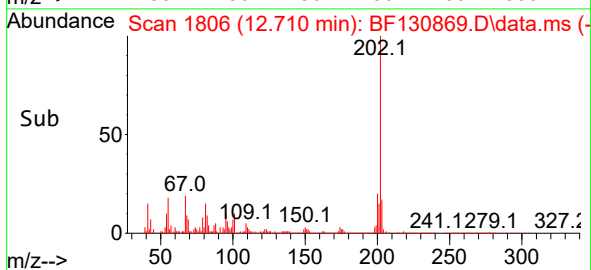
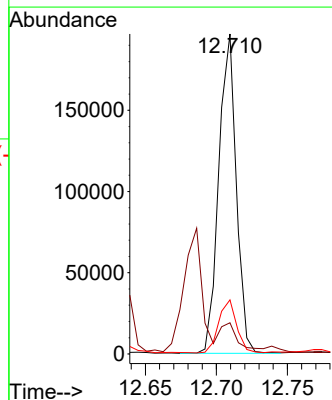
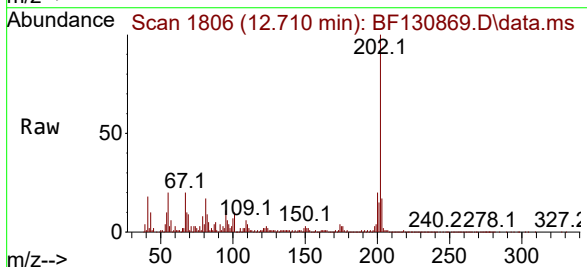
Instrument :
 BNA_F
 ClientSampleId :
 TR-5-102722

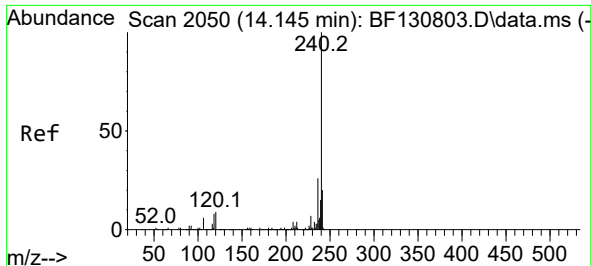
Tgt Ion:178 Resp: 19562
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.0
 179 15.7 12.2 18.4



#75
 Fluoranthene
 Concen: 16.128 ng
 RT: 12.710 min Scan# 1806
 Delta R.T. 0.006 min
 Lab File: BF130869.D
 Acq: 29 Oct 2022 21:20

Tgt Ion:202 Resp: 168614
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 30.9
 203 16.9 0.0 37.7

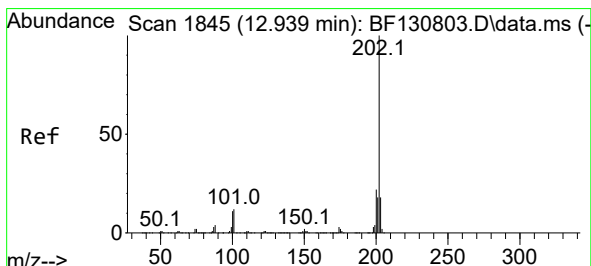
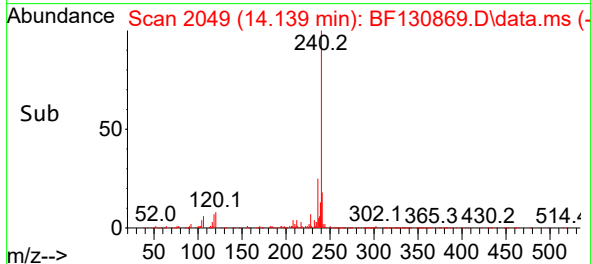
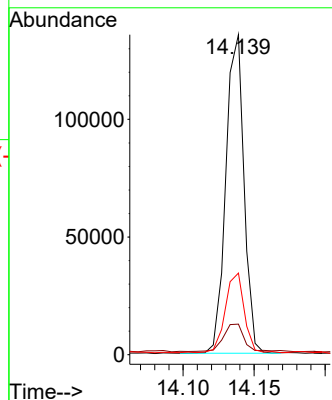
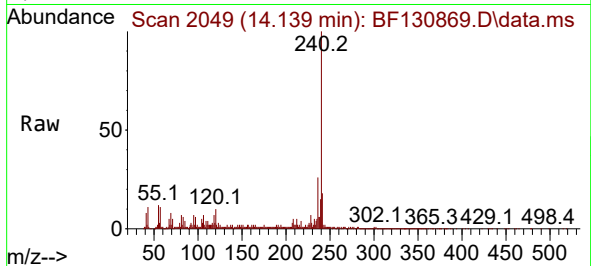




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2050
Delta R.T. 0.006 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

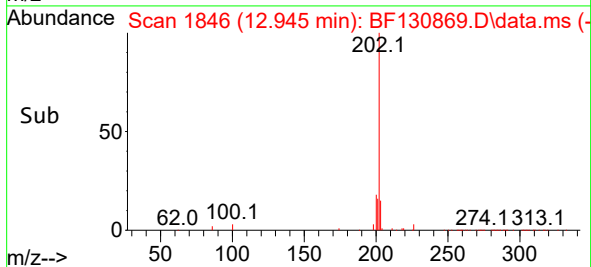
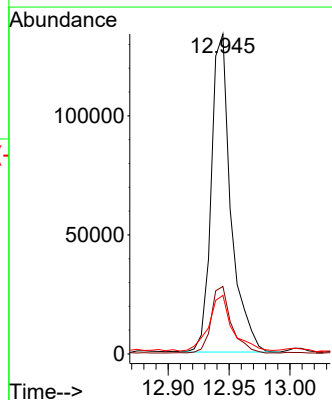
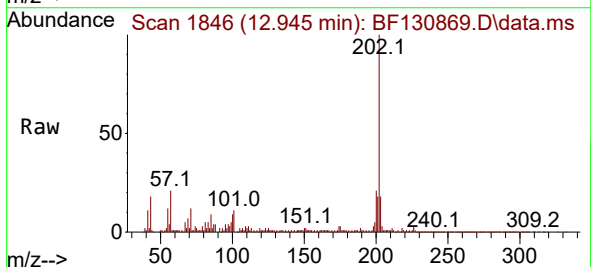
Instrument :
BNA_F
ClientSampleId :
TR-5-102722

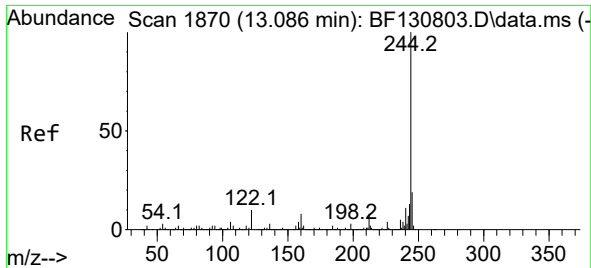
Tgt Ion:240 Resp: 120324
Ion Ratio Lower Upper
240 100
120 9.6 7.0 10.4
236 25.5 20.5 30.7



#78
Pyrene
Concen: 14.749 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.012 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

Tgt Ion:202 Resp: 149722
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 18.3 14.5 21.7

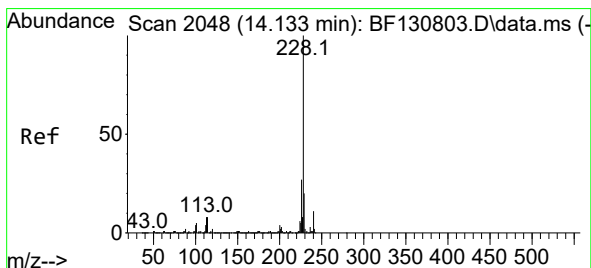
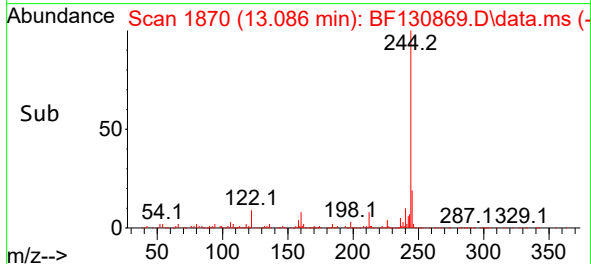
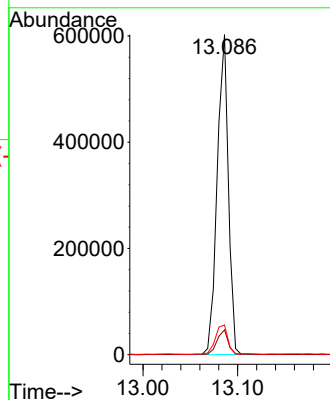
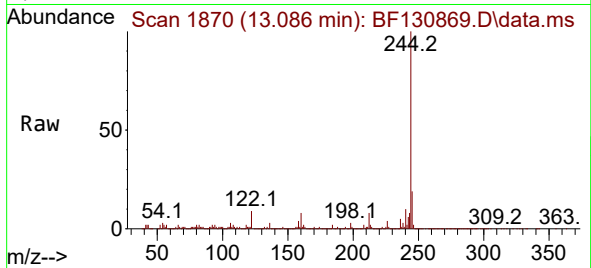




#79
 Terphenyl-d14
 Concen: 74.791 ng
 RT: 13.086 min Scan# 1870
 Delta R.T. 0.012 min
 Lab File: BF130869.D
 Acq: 29 Oct 2022 21:20

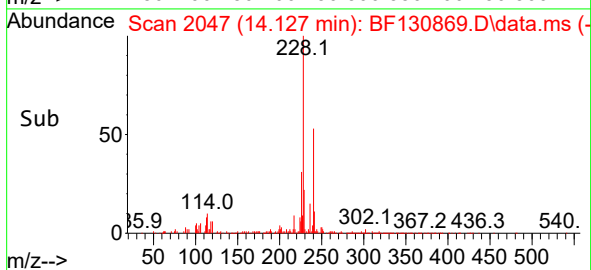
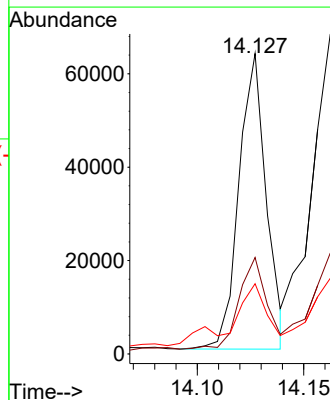
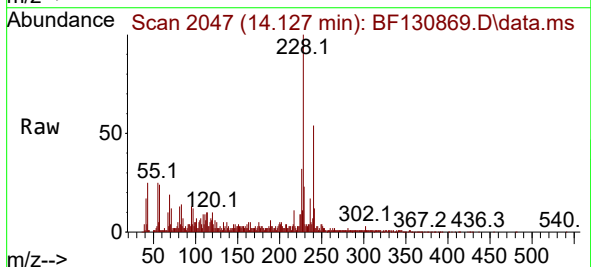
Instrument :
 BNA_F
 ClientSampleId :
 TR-5-102722

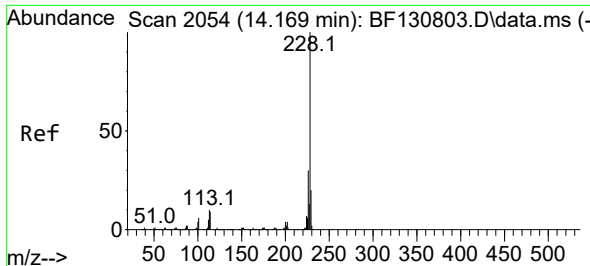
Tgt Ion:244 Resp: 491097
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 9.3 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 7.118 ng
 RT: 14.127 min Scan# 2047
 Delta R.T. 0.006 min
 Lab File: BF130869.D
 Acq: 29 Oct 2022 21:20

Tgt Ion:228 Resp: 56785
 Ion Ratio Lower Upper
 228 100
 226 32.1 21.4 32.2
 229 23.4 15.8 23.6

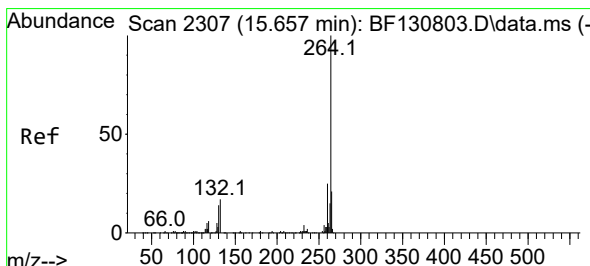
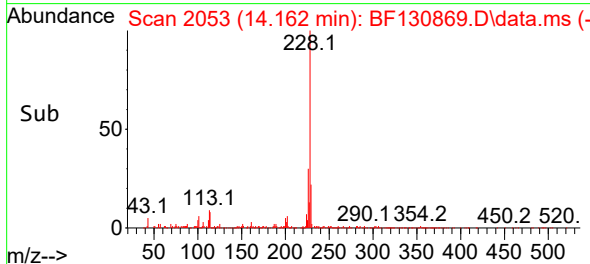
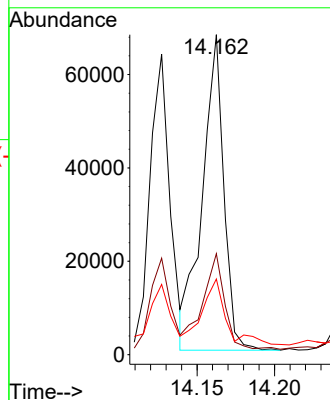
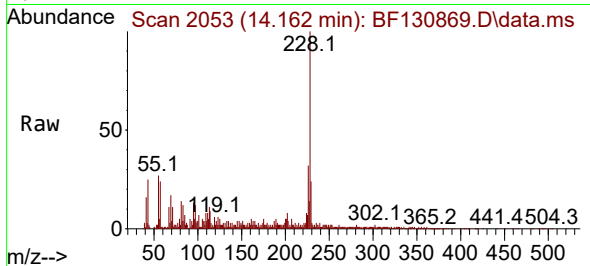




#83
Chrysene
Concen: 8.488 ng
RT: 14.162 min Scan# 2054
Delta R.T. 0.006 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

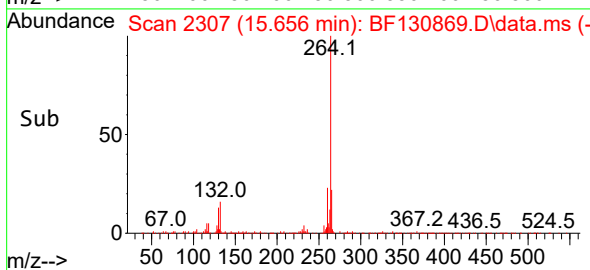
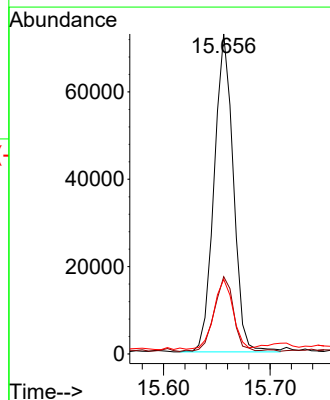
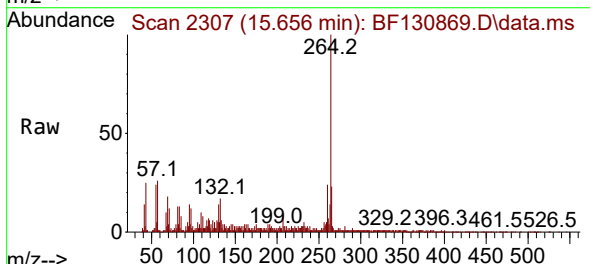
Instrument :
BNA_F
ClientSampleId :
TR-5-102722

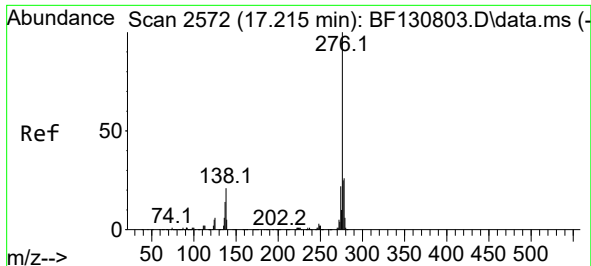
Tgt Ion:228	Resp: 65311
Ion Ratio	Lower Upper
228	100
226	31.6 23.9 35.9
229	23.6 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.656 min Scan# 2307
Delta R.T. 0.012 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

Tgt Ion:264	Resp: 91100
Ion Ratio	Lower Upper
264	100
260	24.2 19.9 29.9
265	23.3 17.0 25.6

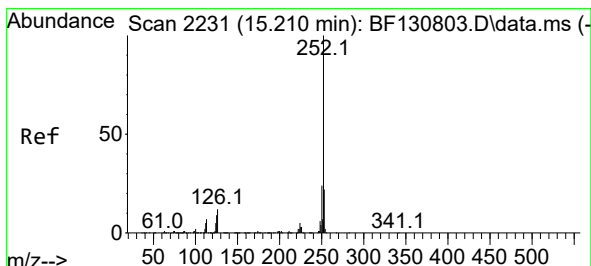
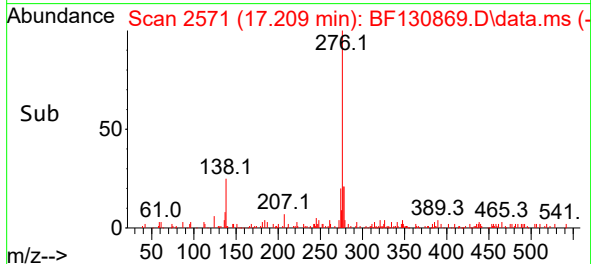
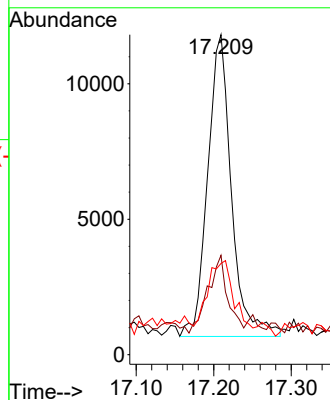
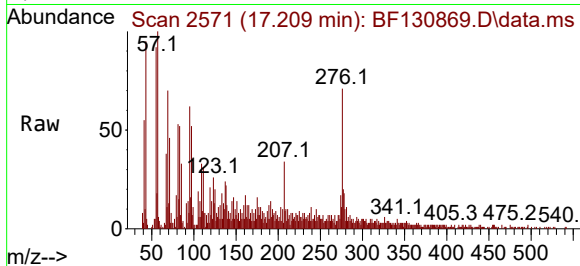




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.928 ng
 RT: 17.209 min Scan# 21
 Delta R.T. 0.017 min
 Lab File: BF130869.D
 Acq: 29 Oct 2022 21:20

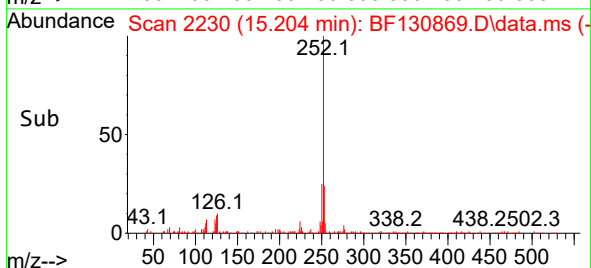
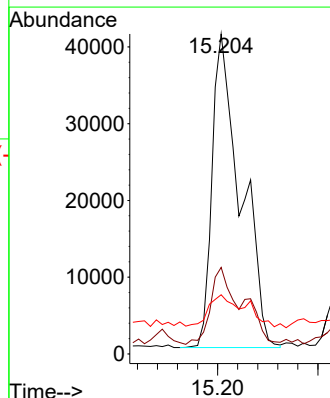
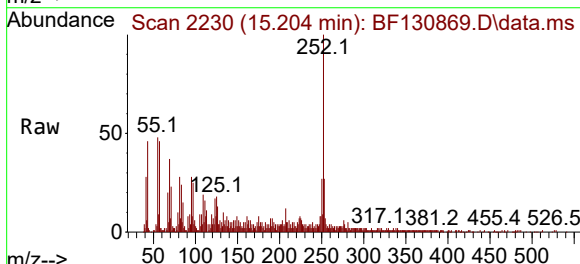
Instrument :
 BNA_F
 ClientSampleId :
 TR-5-102722

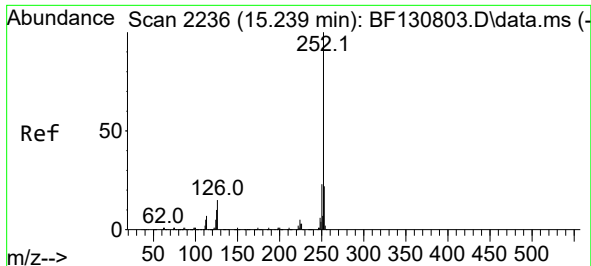
Tgt Ion:	276	Resp:	23761
Ion Ratio	Lower	Upper	
276	100		
138	22.0	19.1	28.7
277	23.4	20.1	30.1



#88
 Benzo(b)fluoranthene
 Concen: 13.746 ng
 RT: 15.204 min Scan# 2230
 Delta R.T. 0.006 min
 Lab File: BF130869.D
 Acq: 29 Oct 2022 21:20

Tgt Ion:	252	Resp:	80952
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.5	26.3#
125	18.5	7.0	10.4#

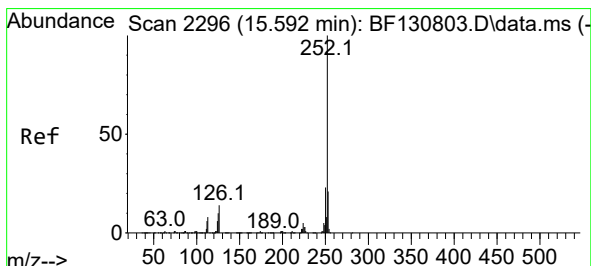
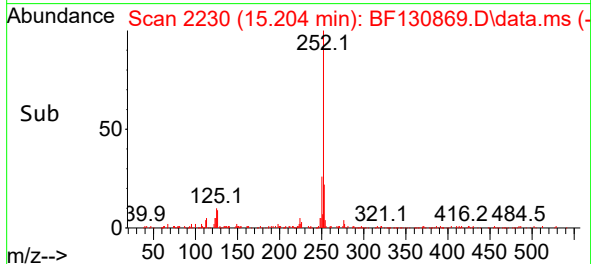
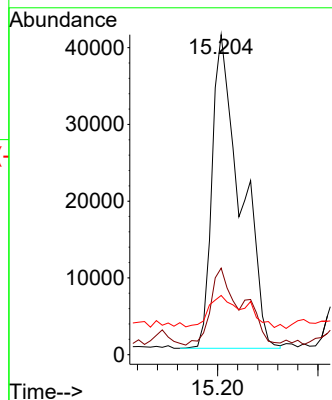
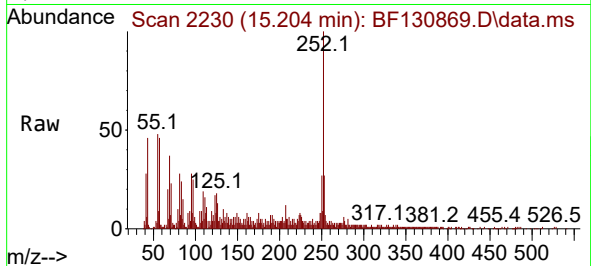




#89
Benzo(k)fluoranthene
Concen: 14.107 ng
RT: 15.204 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

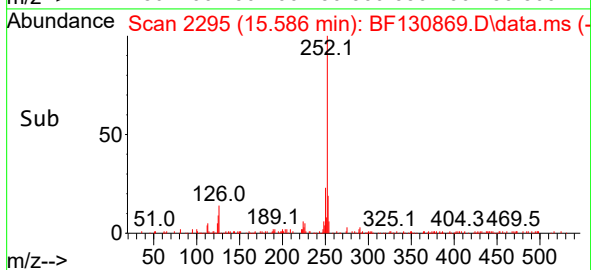
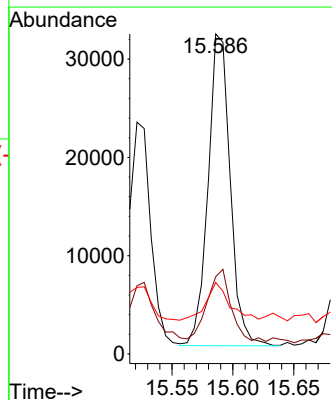
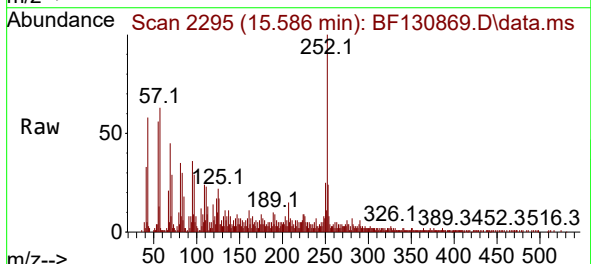
Instrument :
BNA_F
ClientSampleId :
TR-5-102722

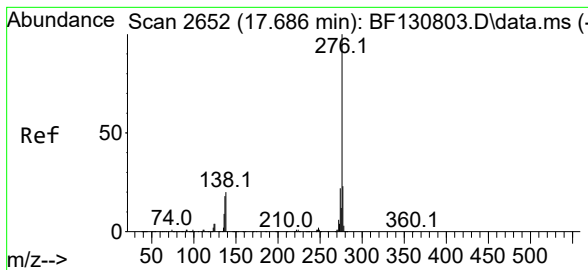
Tgt Ion:252 Resp: 80952
Ion Ratio Lower Upper
252 100
253 27.1 17.5 26.3#
125 18.5 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 8.508 ng
RT: 15.586 min Scan# 2295
Delta R.T. 0.006 min
Lab File: BF130869.D
Acq: 29 Oct 2022 21:20

Tgt Ion:252 Resp: 40278
Ion Ratio Lower Upper
252 100
253 24.2 16.8 25.2
125 22.3 8.3 12.5#





#92
 Benzo(g,h,i)perylene
 Concen: 4.653 ng
 RT: 17.680 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF130869.D
 Acq: 29 Oct 2022 21:20

Instrument :
 BNA_F
 ClientSampleId :
 TR-5-102722

Tgt Ion:	276	Resp:	23412
Ion Ratio	Lower	Upper	
276	100		
277	27.7	18.8	28.2
138	21.5	16.3	24.5

