

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
 Data File : BF130861.D
 Acq On : 29 Oct 2022 17:16
 Operator : CG\JU
 Sample : N5267-19
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP7-1024

Quant Time: Oct 30 23:25:24 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

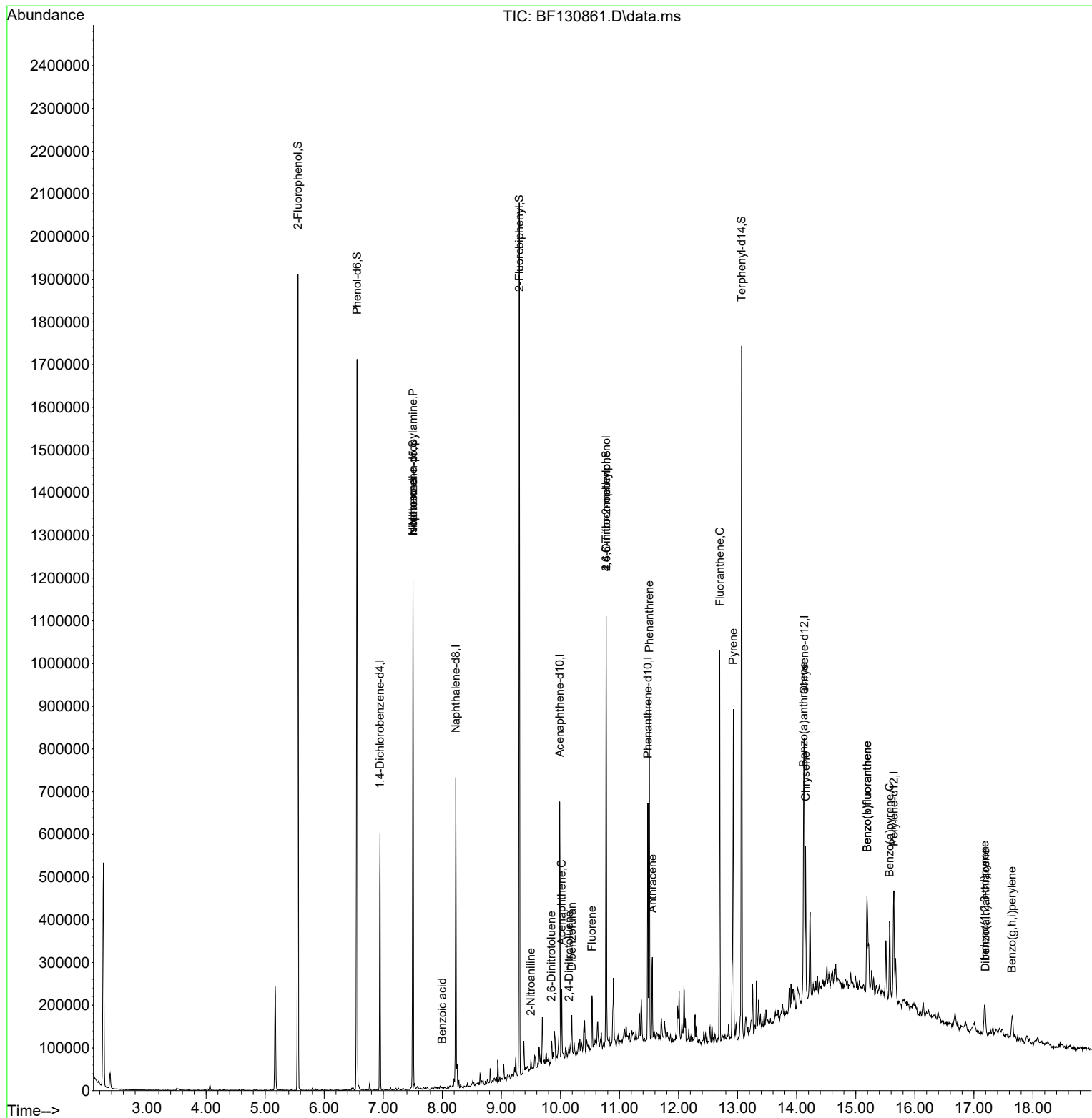
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	77414	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	264322	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	109580	20.000	ng	-0.01
64) Phenanthrene-d10	11.480	188	177937	20.000	ng	0.00
76) Chrysene-d12	14.127	240	155092	20.000	ng	0.00
86) Perylene-d12	15.645	264	114936	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	438026	98.092	ng	0.00
7) Phenol-d6	6.557	99	538763	92.844	ng	0.00
23) Nitrobenzene-d5	7.504	82	332776	75.915	ng	-0.01
42) 2,4,6-Tribromophenol	10.775	330	91084	98.742	ng	-0.01
45) 2-Fluorobiphenyl	9.304	172	530105	73.139	ng	0.00
79) Terphenyl-d14	13.069	244	483665	57.146	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.504	70	45784	11.596	ng	# 77
25) Isophorone	7.504	82	332771	36.813	ng	# 66
32) Benzoic acid	7.998	122	62	7.699	ng	# 34
48) 2-Nitroaniline	9.498	65	449	4.351	ng	# 37
51) 2,6-Dinitrotoluene	9.845	165	492	3.112	ng	# 41
52) Acenaphthene	10.022	154	25227	4.124	ng	100
55) Dibenzofuran	10.192	168	26398	2.977	ng	96
57) 2,4-Dinitrotoluene	10.145	165	1391	4.421	ng	# 39
58) Fluorene	10.533	166	30117	4.314	ng	100
65) 4,6-Dinitro-2-methylph...	10.775	198	372	8.346	ng	# 1
71) Phenanthrene	11.504	178	260046	28.315	ng	99
72) Anthracene	11.557	178	68832	7.599	ng	99
75) Fluoranthene	12.698	202	327596	33.573	ng	98
78) Pyrene	12.927	202	291753	22.297	ng	99
81) Benzo(a)anthracene	14.116	228	150112	14.599	ng	100
83) Chrysene	14.151	228	124448	12.547	ng	97
87) Indeno(1,2,3-cd)pyrene	17.186	276	50442	6.609	ng	95
88) Benzo(b)fluoranthene	15.192	252	168393	22.665	ng	# 97
89) Benzo(k)fluoranthene	15.192	252	168393	23.259	ng	98
90) Benzo(a)pyrene	15.574	252	89957	15.061	ng	# 94
91) Dibenzo(a,h)anthracene	17.198	278	13258	2.131	ng	# 85
92) Benzo(g,h,i)perylene	17.645	276	46010	7.248	ng	98

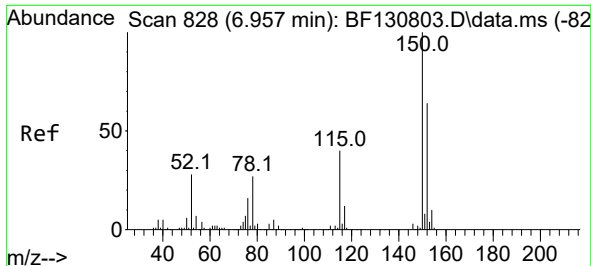
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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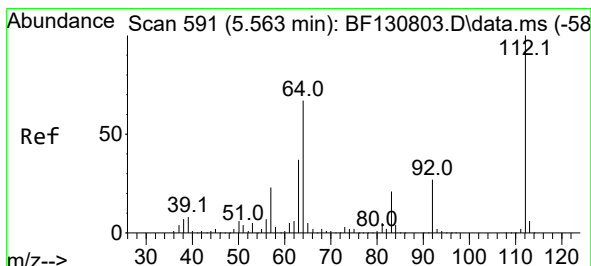
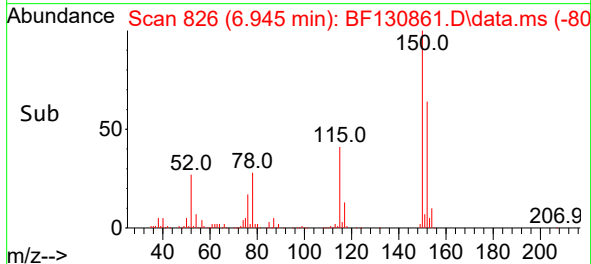
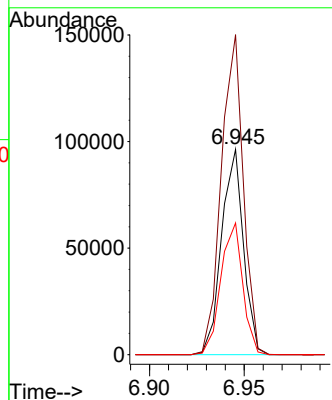
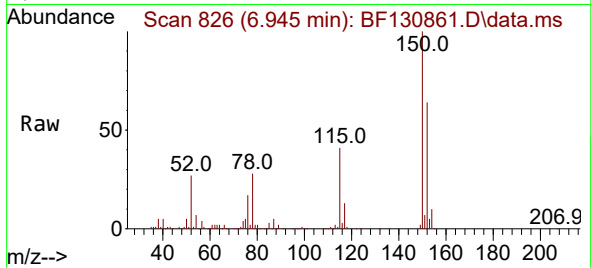




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

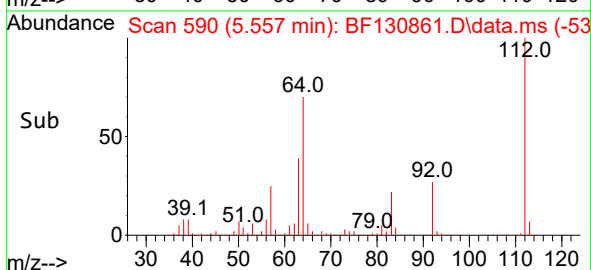
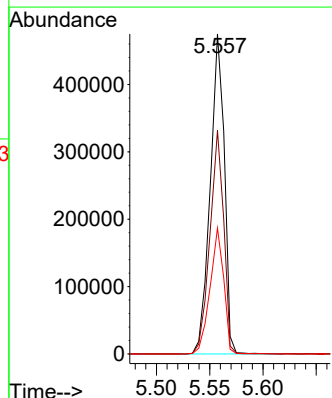
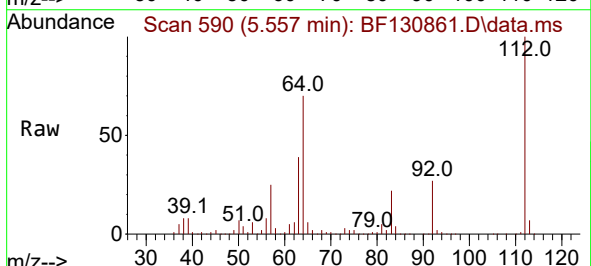
Instrument :
BNA_F
ClientSampleId :
TP7-1024

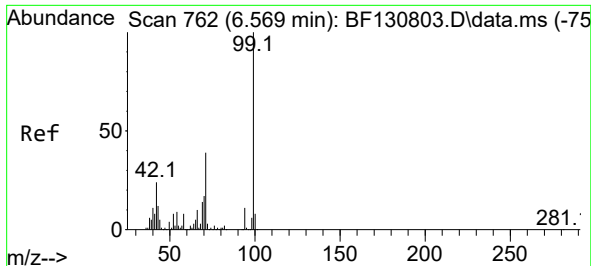
Tgt Ion:152 Resp: 77414
Ion Ratio Lower Upper
152 100
150 155.9 124.1 186.1
115 64.2 50.1 75.1



#5
2-Fluorophenol
Concen: 98.092 ng
RT: 5.557 min Scan# 590
Delta R.T. -0.000 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

Tgt Ion:112 Resp: 438026
Ion Ratio Lower Upper
112 100
64 69.8 53.9 80.9
63 39.3 29.4 44.2

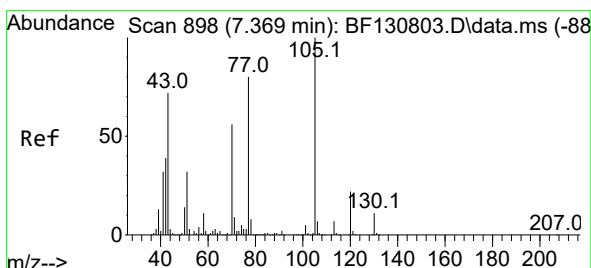
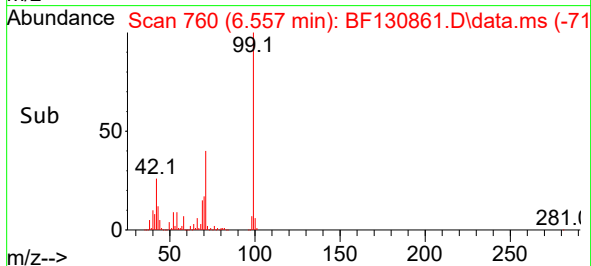
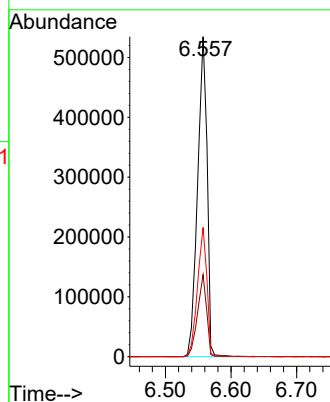
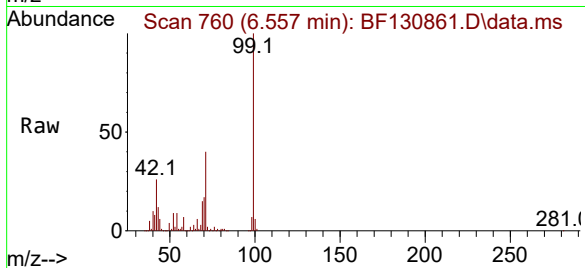




#7
Phenol-d6
Concen: 92.844 ng
RT: 6.557 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

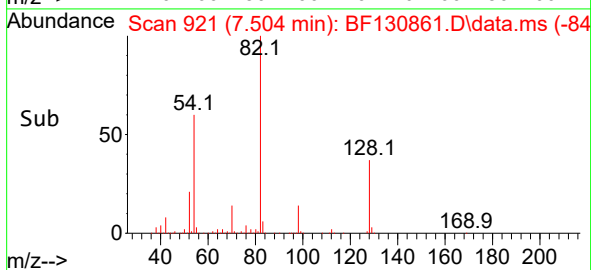
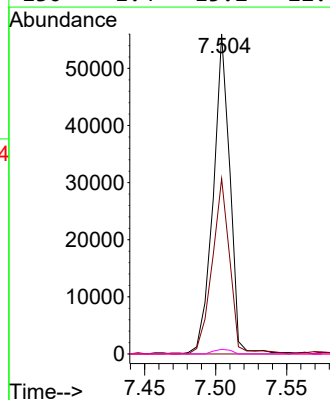
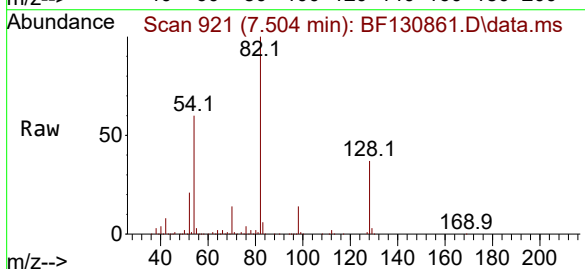
Instrument :
BNA_F
ClientSampleId :
TP7-1024

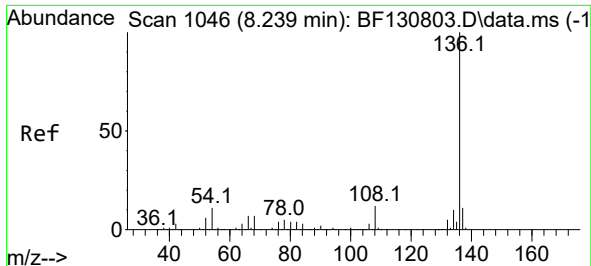
Tgt Ion: 99 Resp: 538763
Ion Ratio Lower Upper
99 100
42 25.6 18.8 28.2
71 40.4 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.596 ng
RT: 7.504 min Scan# 921
Delta R.T. 0.141 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

Tgt Ion: 70 Resp: 45784
Ion Ratio Lower Upper
70 100
42 54.8 56.1 84.1#
101 0.0 7.3 10.9#
130 1.4 15.2 22.8#

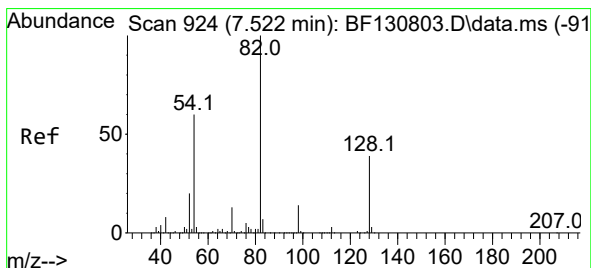
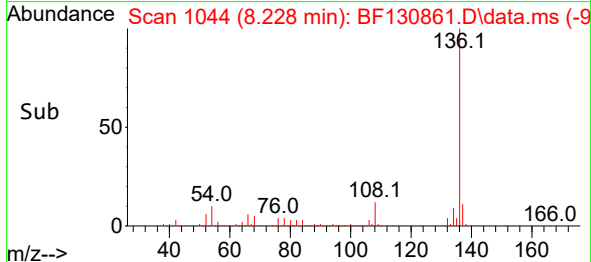
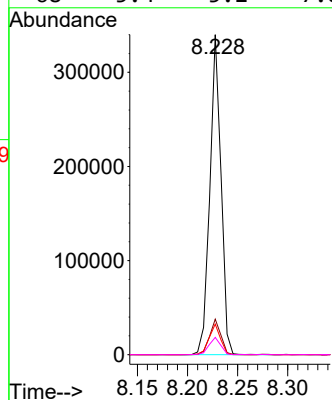
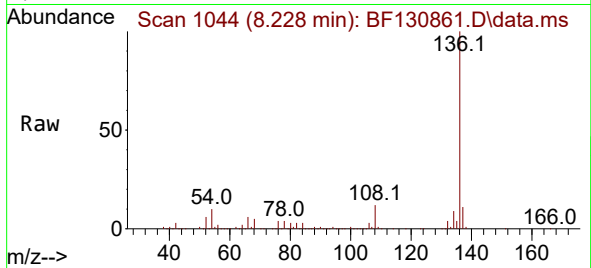




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

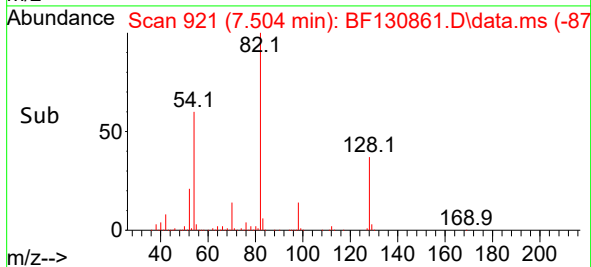
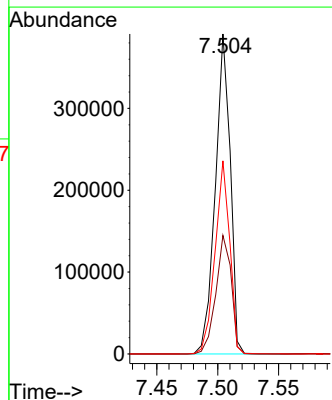
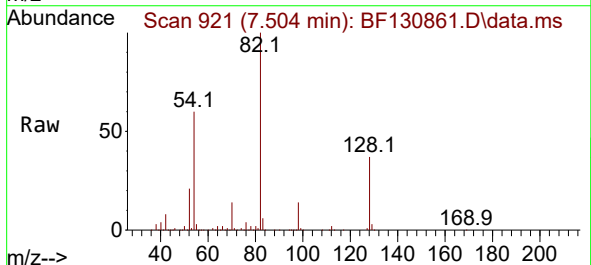
Instrument :
BNA_F
ClientSampleId :
TP7-1024

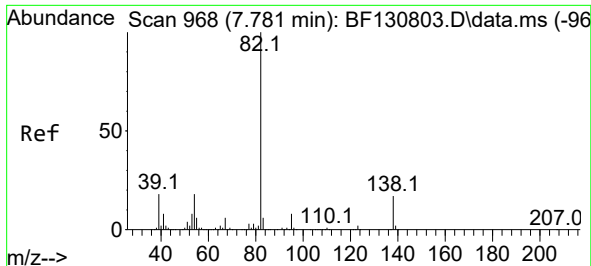
Tgt Ion:136 Resp: 264322
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 9.6 8.8 13.2
68 5.4 5.2 7.8



#23
Nitrobenzene-d5
Concen: 75.915 ng
RT: 7.504 min Scan# 921
Delta R.T. -0.012 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

Tgt Ion: 82 Resp: 332776
Ion Ratio Lower Upper
82 100
128 37.1 31.2 46.8
54 60.4 48.0 72.0

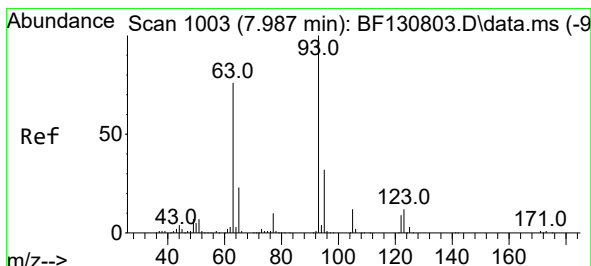
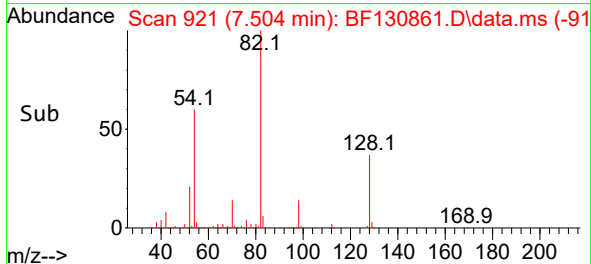
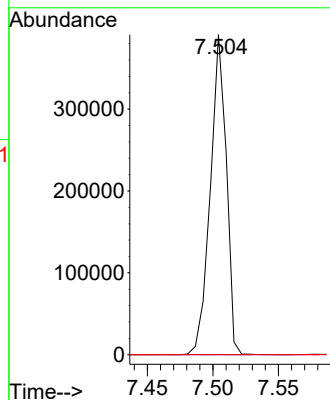
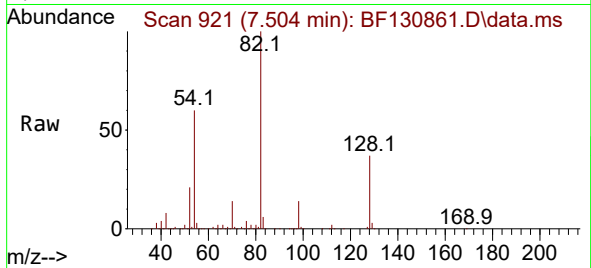




#25
Isophorone
Concen: 36.813 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

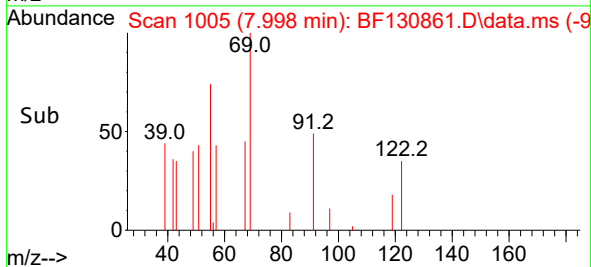
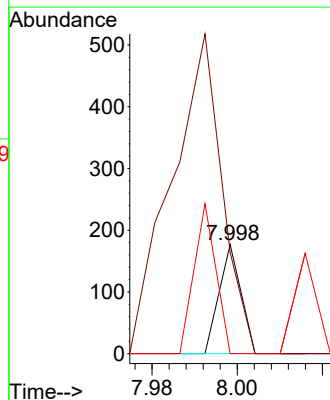
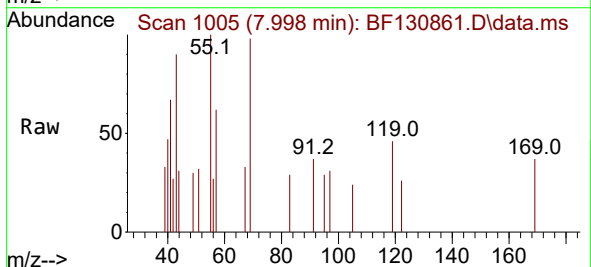
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ClientSampleId :
TP7-1024

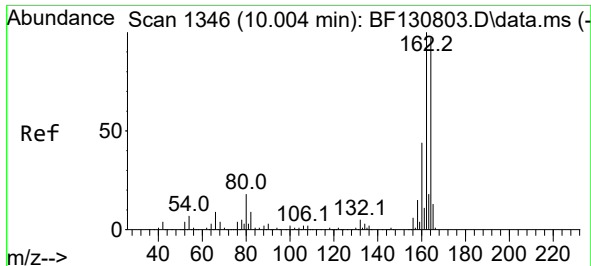
Tgt Ion: 82 Resp: 332771
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.699 ng
RT: 7.998 min Scan# 1005
Delta R.T. 0.012 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

Tgt Ion: 122 Resp: 62
Ion Ratio Lower Upper
122 100
105 92.7 114.5 154.5#
77 0.0 89.8 129.8#

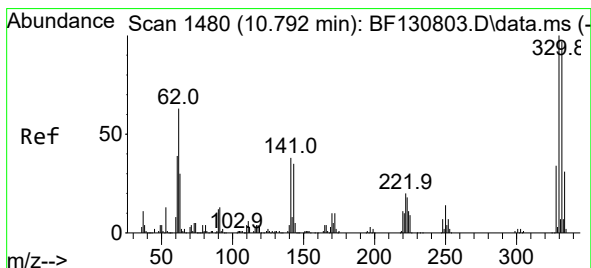
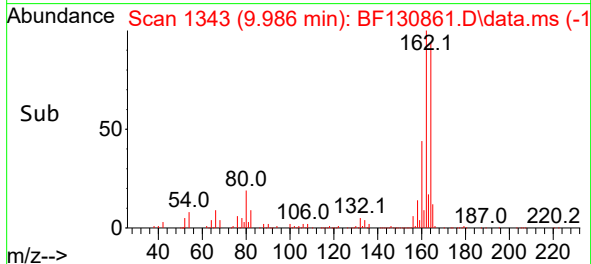
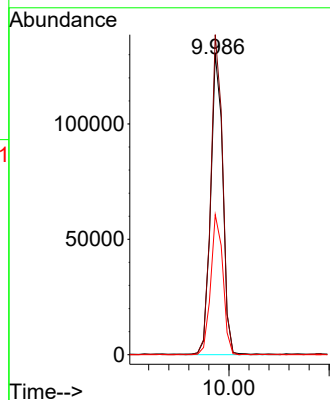
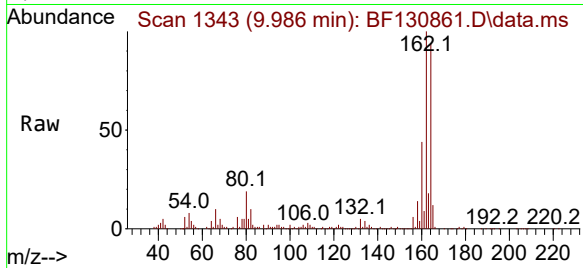




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

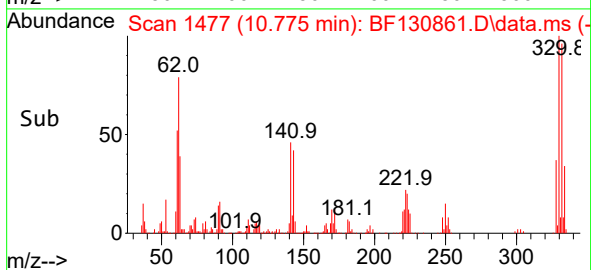
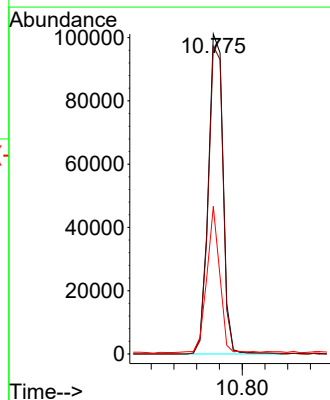
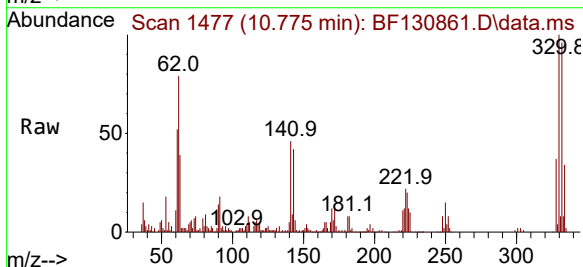
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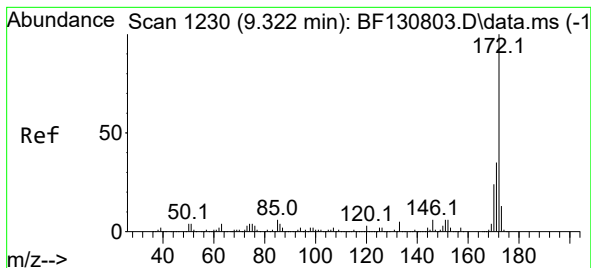
Tgt Ion:164 Resp: 109580
Ion Ratio Lower Upper
164 100
162 106.5 82.2 123.2
160 46.6 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 98.742 ng
RT: 10.775 min Scan# 1477
Delta R.T. -0.012 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

Tgt Ion:330 Resp: 91084
Ion Ratio Lower Upper
330 100
332 95.7 76.2 114.4
141 40.9 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 73.139 ng

RT: 9.304 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130861.D

Acq: 29 Oct 2022 17:16

Instrument :

BNA_F

ClientSampleId :

TP7-1024

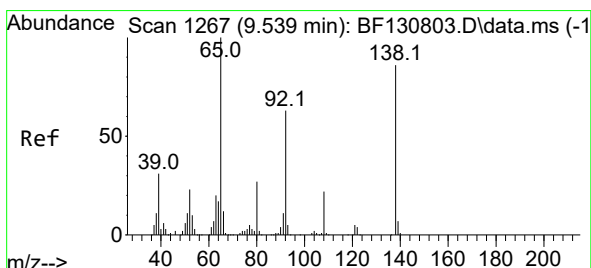
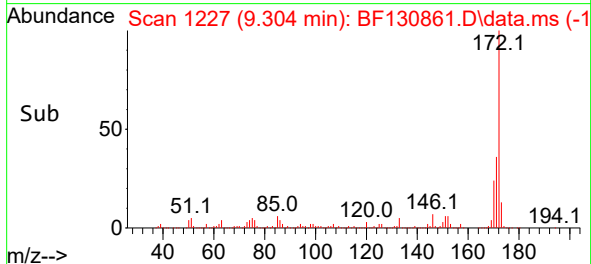
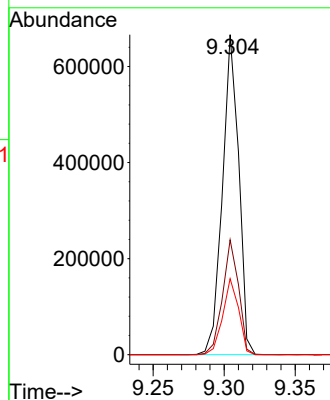
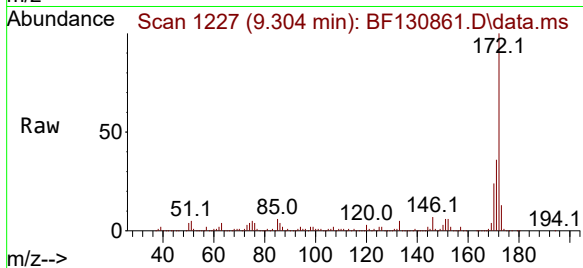
Tgt Ion:172 Resp: 530105

Ion Ratio Lower Upper

172 100

171 35.9 28.1 42.1

170 23.8 19.0 28.4



#48

2-Nitroaniline

Concen: 4.351 ng

RT: 9.498 min Scan# 1260

Delta R.T. -0.035 min

Lab File: BF130861.D

Acq: 29 Oct 2022 17:16

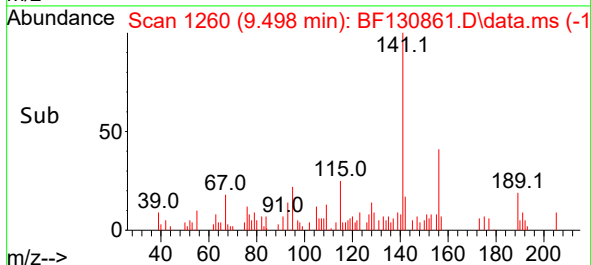
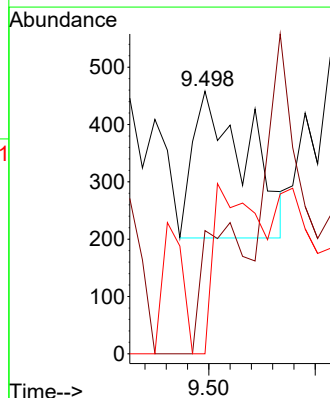
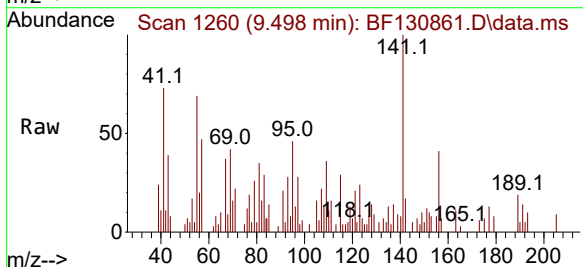
Tgt Ion: 65 Resp: 449

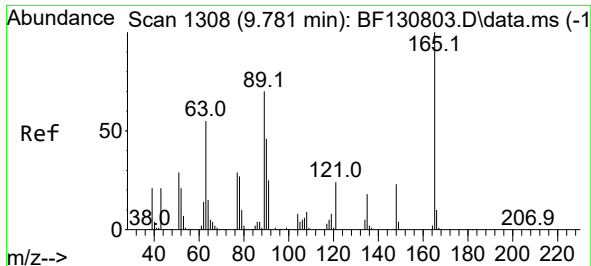
Ion Ratio Lower Upper

65 100

92 46.9 50.1 75.1#

138 0.0 69.2 103.8#





#51

2,6-Dinitrotoluene

Concen: 3.112 ng

RT: 9.845 min Scan# 1319

Delta R.T. 0.071 min

Lab File: BF130861.D

Acq: 29 Oct 2022 17:16

Instrument :

BNA_F

ClientSampleId :

TP7-1024

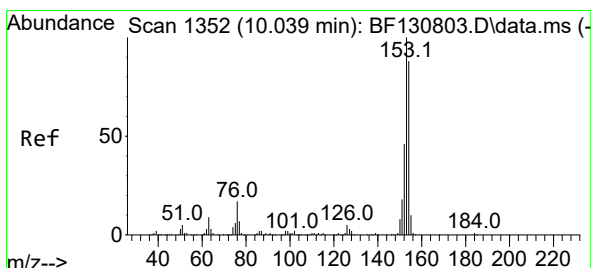
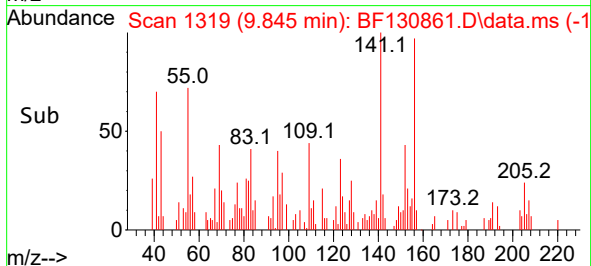
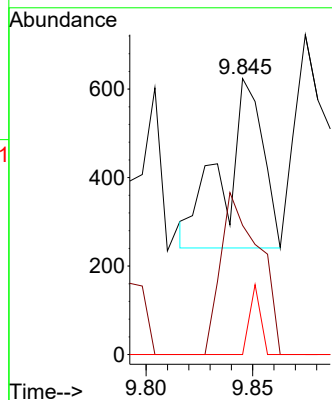
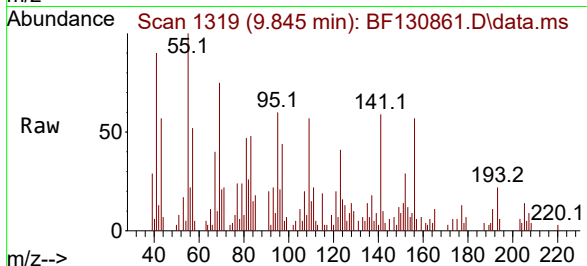
Tgt Ion:165 Resp: 492

Ion Ratio Lower Upper

165 100

63 46.8 61.8 92.8#

89 0.0 56.2 84.4#



#52

Acenaphthene

Concen: 4.124 ng

RT: 10.022 min Scan# 1349

Delta R.T. -0.012 min

Lab File: BF130861.D

Acq: 29 Oct 2022 17:16

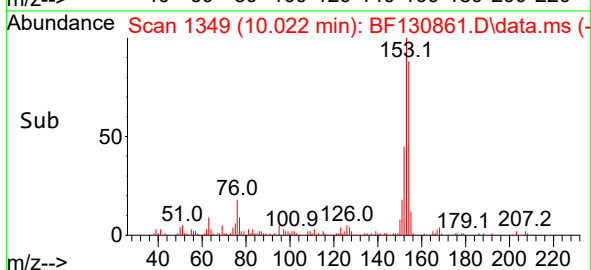
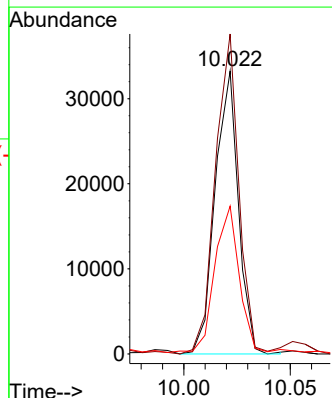
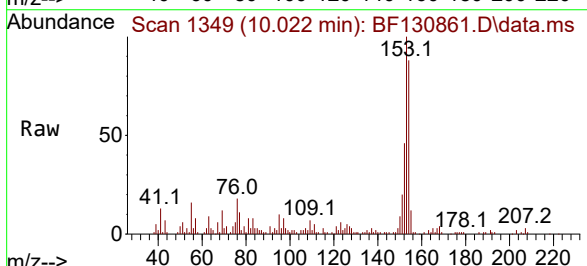
Tgt Ion:154 Resp: 25227

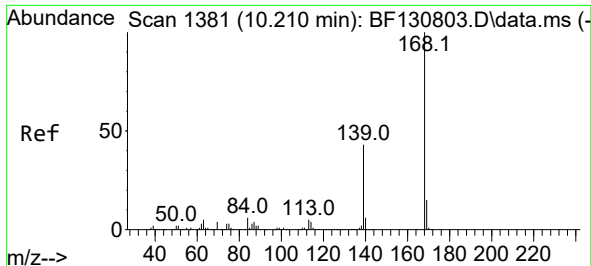
Ion Ratio Lower Upper

154 100

153 113.1 90.5 135.7

152 52.3 42.0 63.0

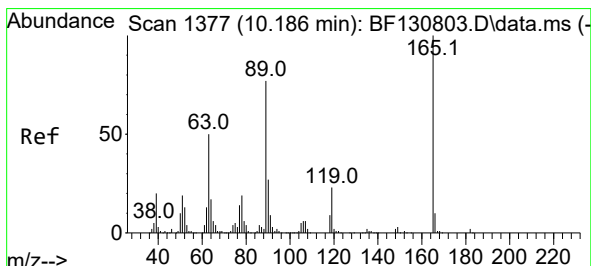
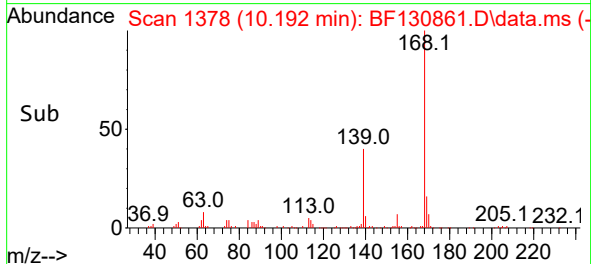
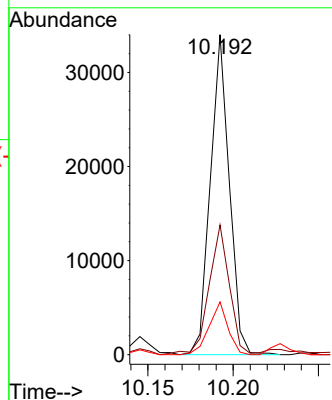
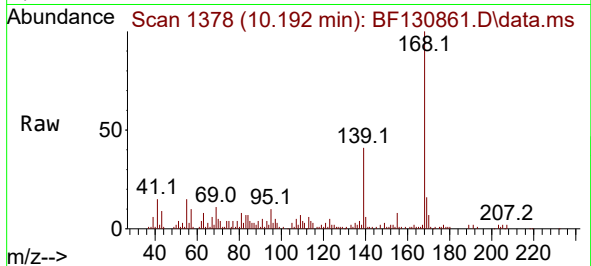




#55
Dibenzenofuran
Concen: 2.977 ng
RT: 10.192 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

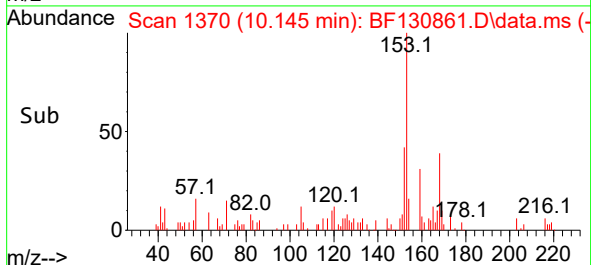
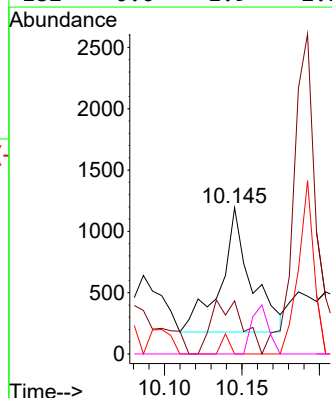
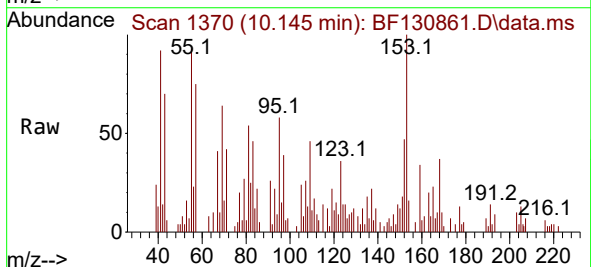
Instrument :
BNA_F
ClientSampleId :
TP7-1024

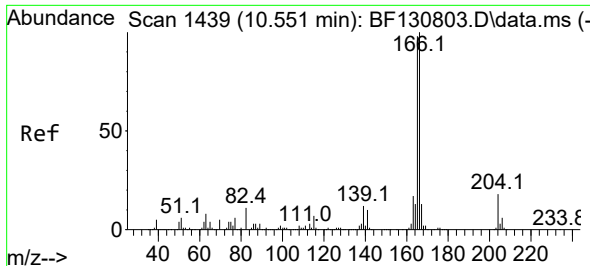
Tgt Ion:168 Resp: 26398
Ion Ratio Lower Upper
168 100
139 40.5 34.3 51.5
169 16.5 11.9 17.9



#57
2,4-Dinitrotoluene
Concen: 4.421 ng
RT: 10.145 min Scan# 1370
Delta R.T. -0.035 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

Tgt Ion:165 Resp: 1391
Ion Ratio Lower Upper
165 100
63 36.4 39.8 59.6#
89 0.0 61.9 92.9#
182 0.0 1.9 2.9#

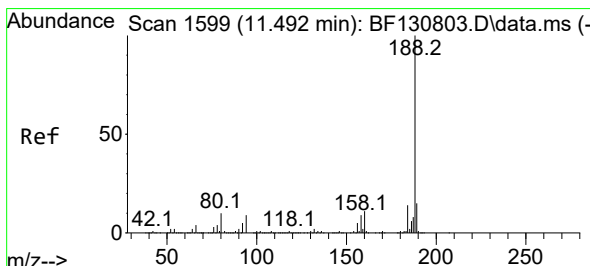
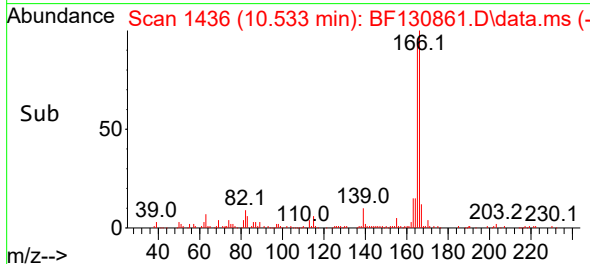
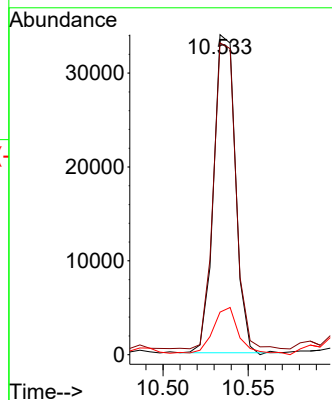
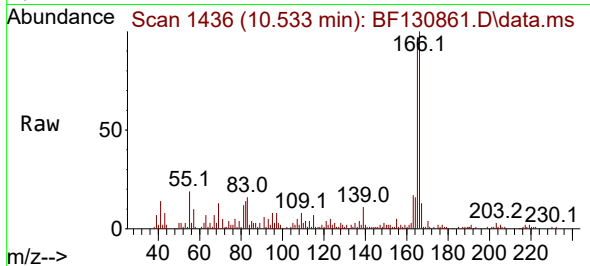




#58
Fluorene
Concen: 4.314 ng
RT: 10.533 min Scan# 1436
Delta R.T. -0.012 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

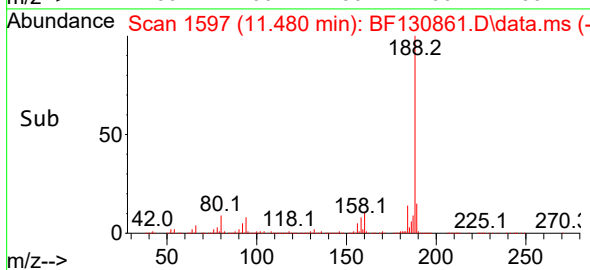
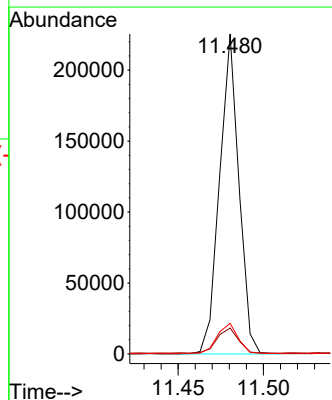
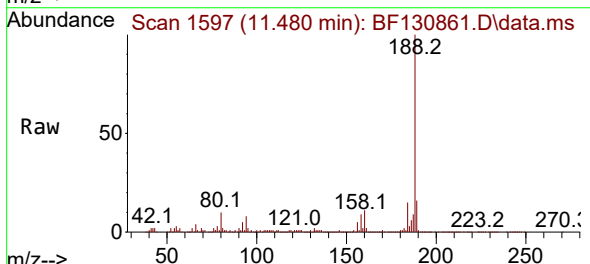
Instrument :
BNA_F
ClientSampleId :
TP7-1024

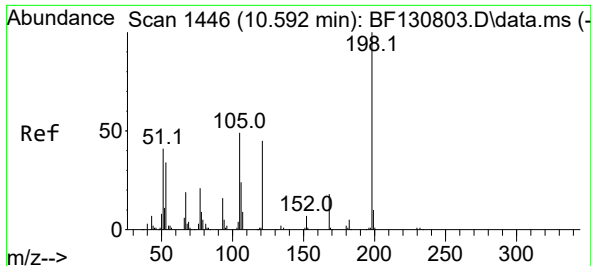
Tgt Ion:166 Resp: 30117
Ion Ratio Lower Upper
166 100
165 97.5 78.1 117.1
167 13.3 10.4 15.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

Tgt Ion:188 Resp: 177937
Ion Ratio Lower Upper
188 100
94 8.1 7.4 11.2
80 9.6 8.0 12.0

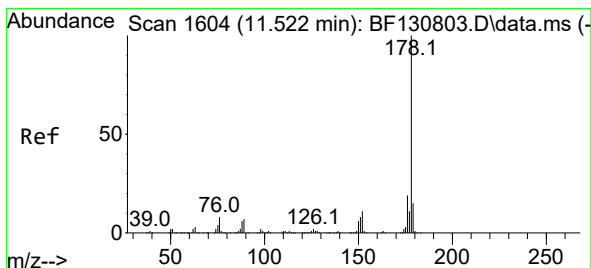
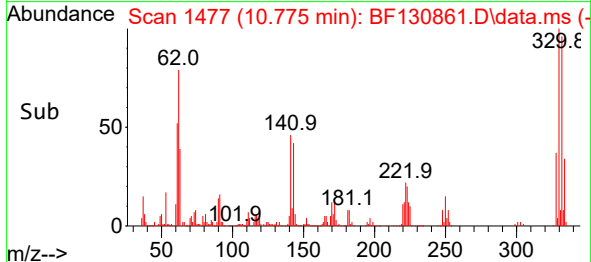
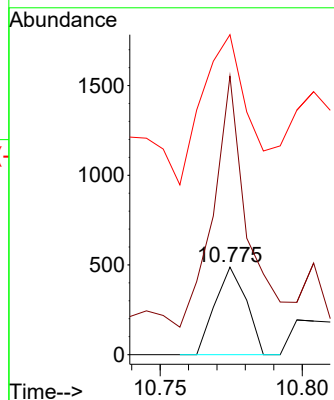
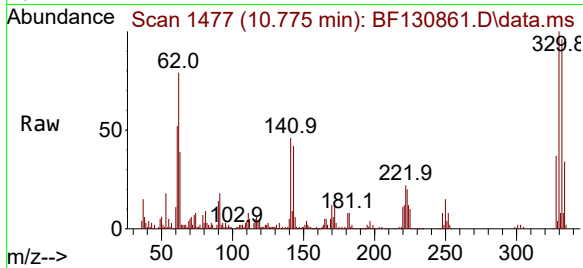




#65
4,6-Dinitro-2-methylphenol
Concen: 8.346 ng
RT: 10.775 min Scan# 1446
Delta R.T. 0.188 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

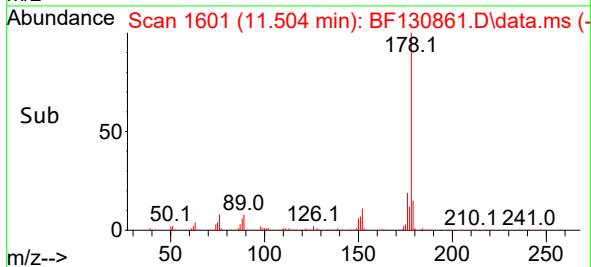
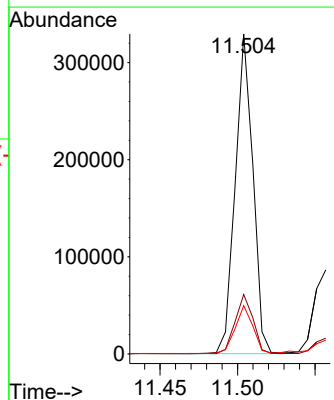
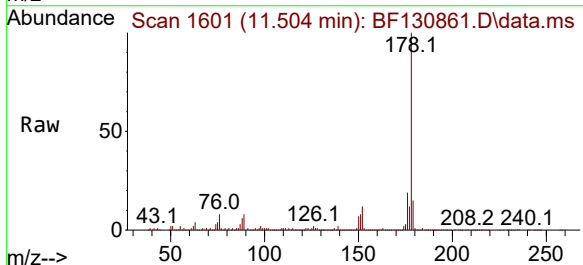
Instrument :
BNA_F
ClientSampleId :
TP7-1024

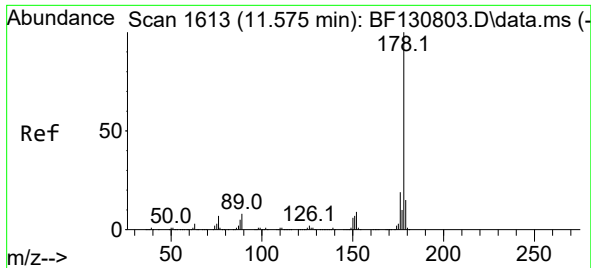
Tgt Ion:198 Resp: 372
Ion Ratio Lower Upper
198 100
51 318.2 39.0 79.0#
105 365.6 30.6 70.6#



#71
Phenanthrene
Concen: 28.315 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

Tgt Ion:178 Resp: 260046
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.1 12.2 18.2

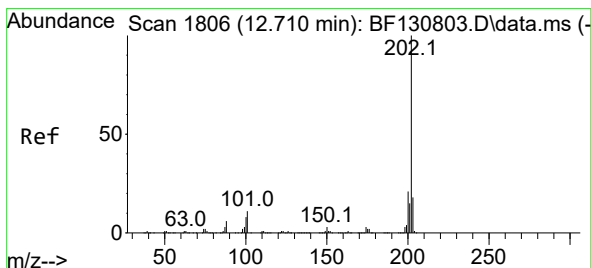
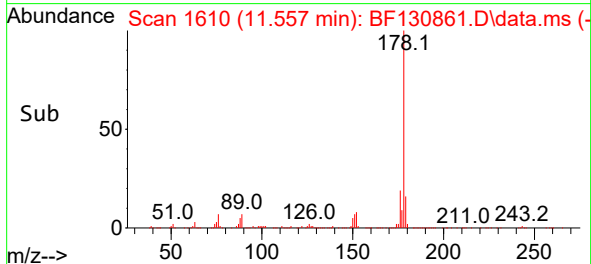
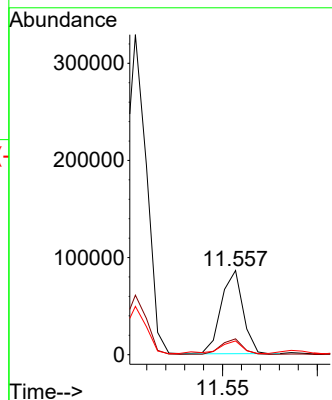
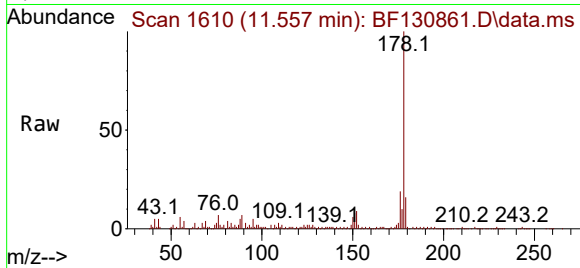




#72
 Anthracene
 Concen: 7.599 ng
 RT: 11.557 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF130861.D
 Acq: 29 Oct 2022 17:16

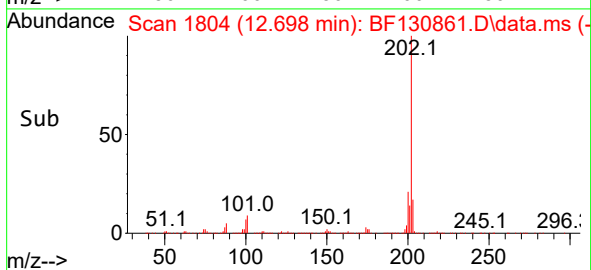
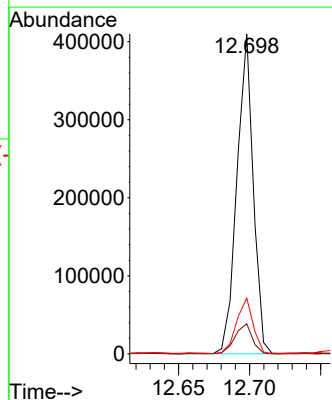
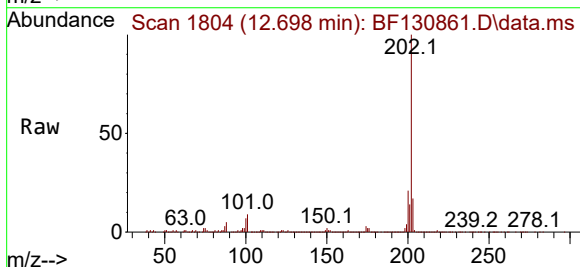
Instrument :
 BNA_F
 ClientSampleId :
 TP7-1024

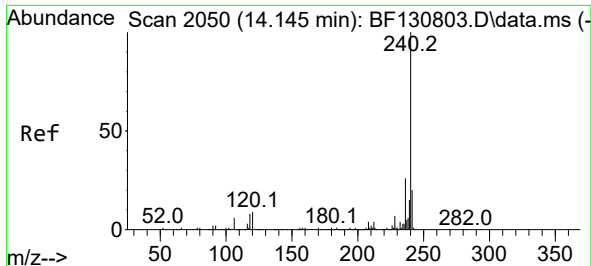
Tgt Ion:178 Resp: 68832
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.0
 179 16.3 12.2 18.4



#75
 Fluoranthene
 Concen: 33.573 ng
 RT: 12.698 min Scan# 1804
 Delta R.T. -0.006 min
 Lab File: BF130861.D
 Acq: 29 Oct 2022 17:16

Tgt Ion:202 Resp: 327596
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 30.9
 203 17.5 0.0 37.7

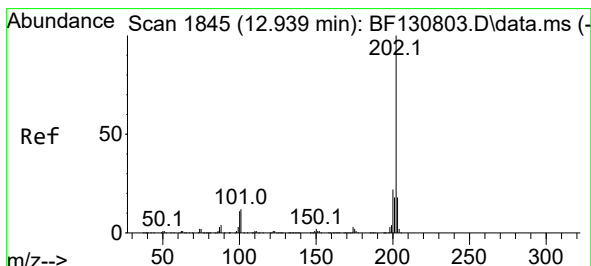
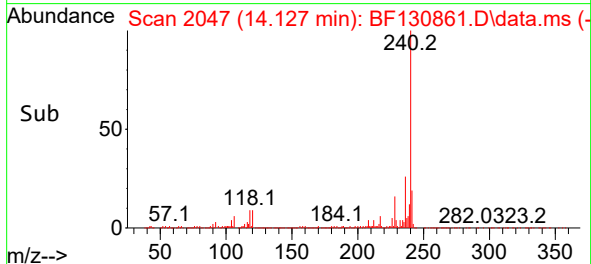
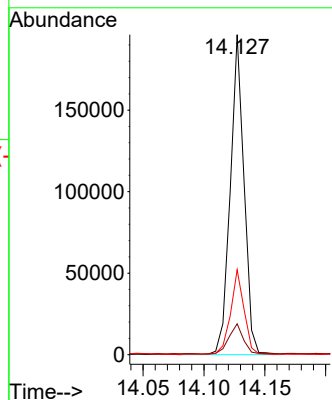
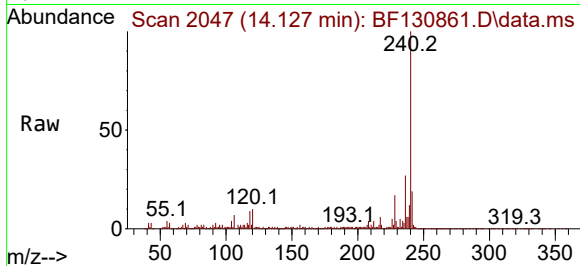




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

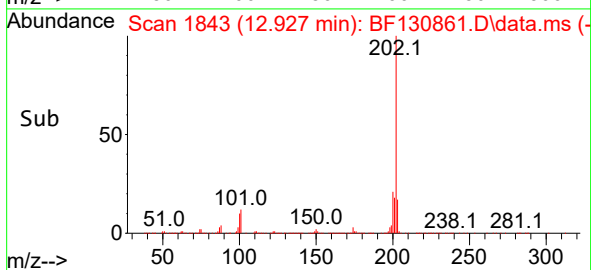
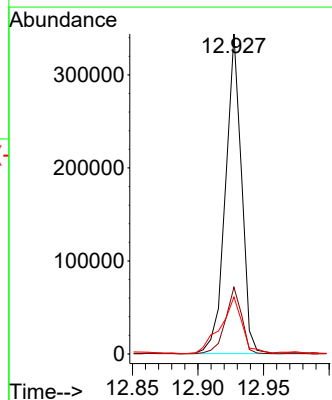
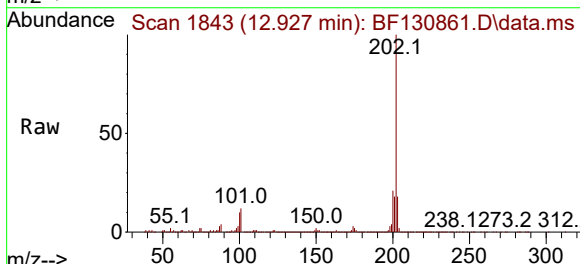
Instrument :
BNA_F
ClientSampleId :
TP7-1024

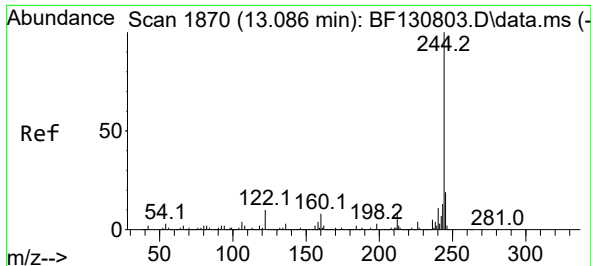
Tgt Ion:240 Resp: 155092
Ion Ratio Lower Upper
240 100
120 9.7 7.0 10.4
236 26.6 20.5 30.7



#78
Pyrene
Concen: 22.297 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

Tgt Ion:202 Resp: 291753
Ion Ratio Lower Upper
202 100
200 20.8 17.2 25.8
203 17.8 14.5 21.7

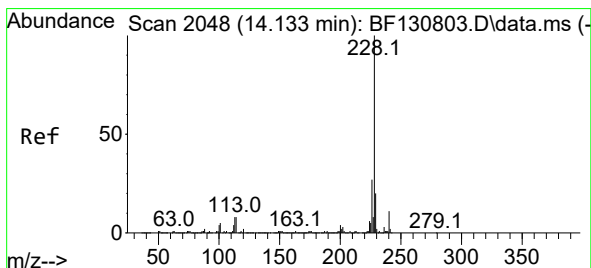
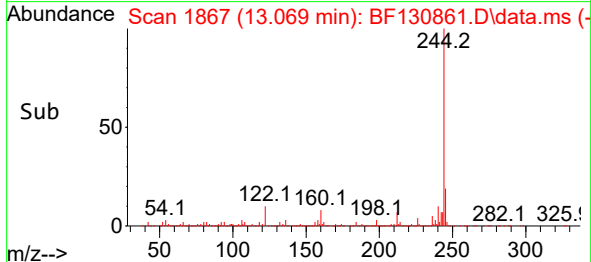
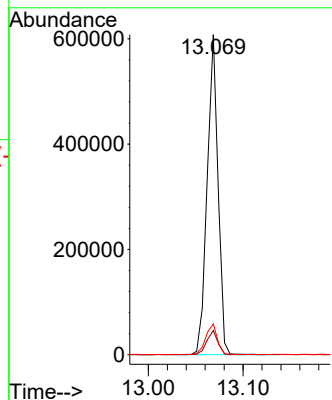
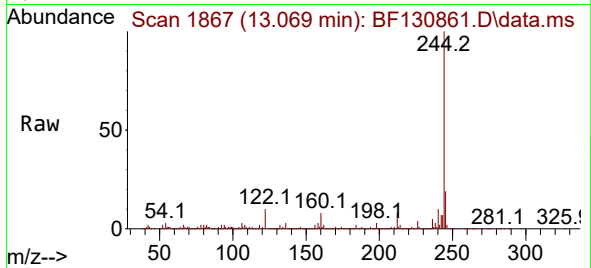




#79
 Terphenyl-d14
 Concen: 57.146 ng
 RT: 13.069 min Scan# 1867
 Delta R.T. -0.006 min
 Lab File: BF130861.D
 Acq: 29 Oct 2022 17:16

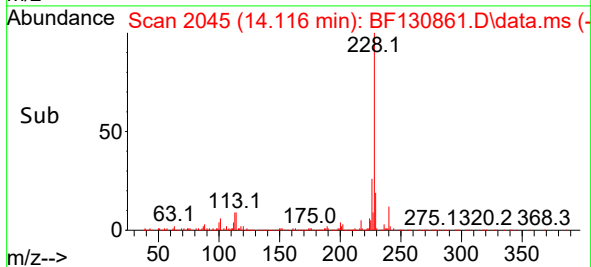
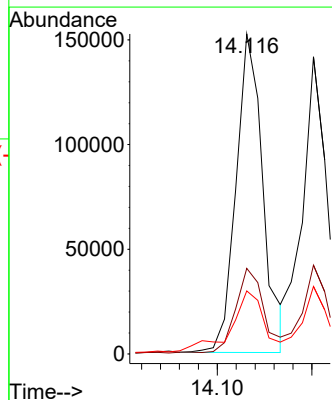
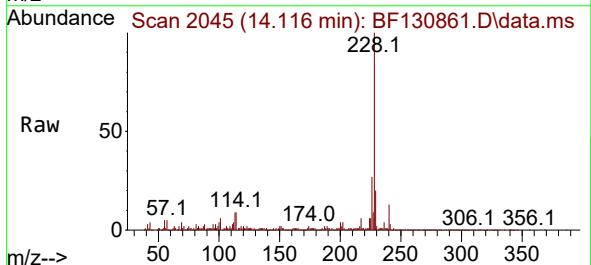
Instrument :
 BNA_F
 ClientSampleId :
 TP7-1024

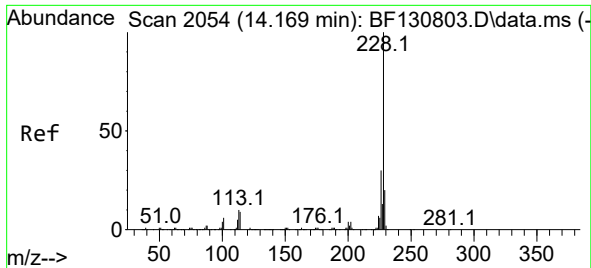
Tgt Ion:244 Resp: 483665
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 9.7 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 14.599 ng
 RT: 14.116 min Scan# 2045
 Delta R.T. -0.006 min
 Lab File: BF130861.D
 Acq: 29 Oct 2022 17:16

Tgt Ion:228 Resp: 150112
 Ion Ratio Lower Upper
 228 100
 226 26.7 21.4 32.2
 229 19.7 15.8 23.6

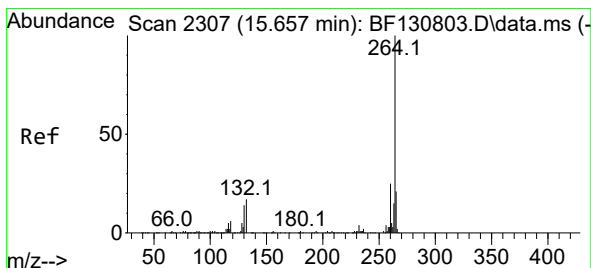
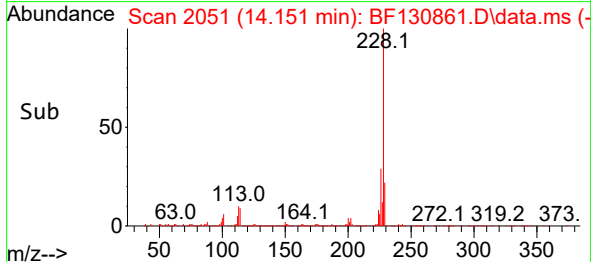
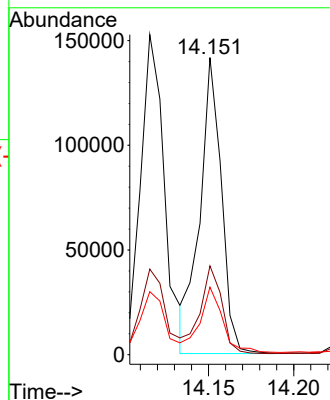
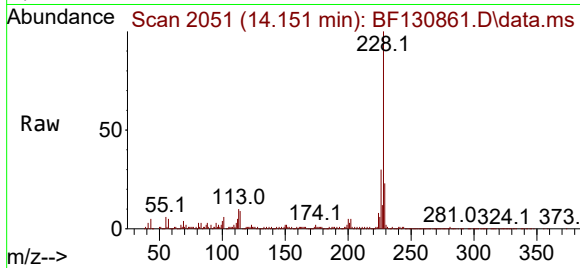




#83
Chrysene
Concen: 12.547 ng
RT: 14.151 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

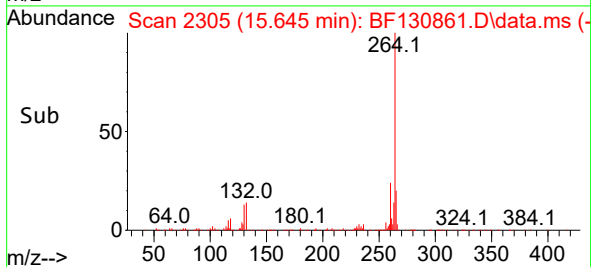
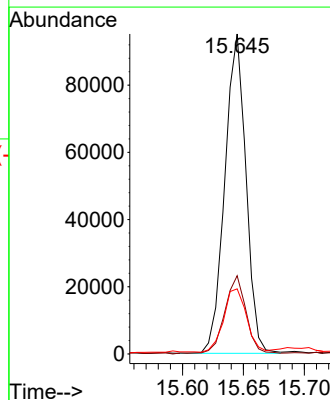
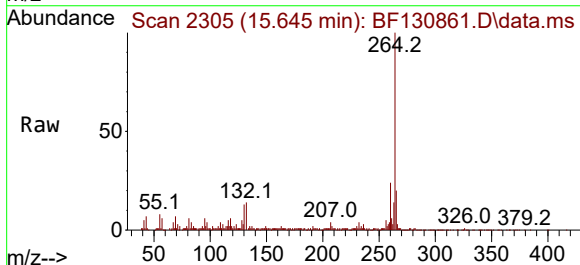
Instrument :
BNA_F
ClientSampleId :
TP7-1024

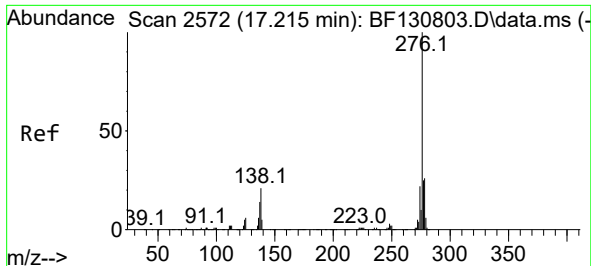
Tgt Ion:228 Resp: 124448
Ion Ratio Lower Upper
228 100
226 29.9 23.9 35.9
229 22.7 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2305
Delta R.T. -0.000 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

Tgt Ion:264 Resp: 114936
Ion Ratio Lower Upper
264 100
260 24.5 19.9 29.9
265 20.4 17.0 25.6

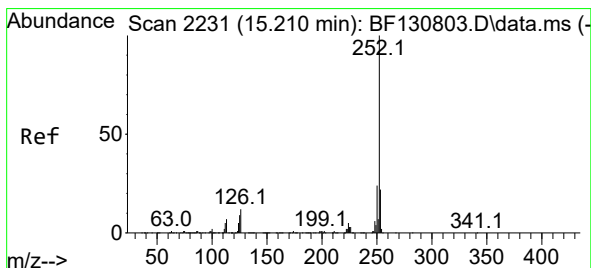
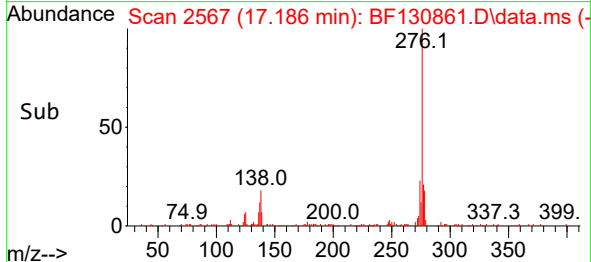
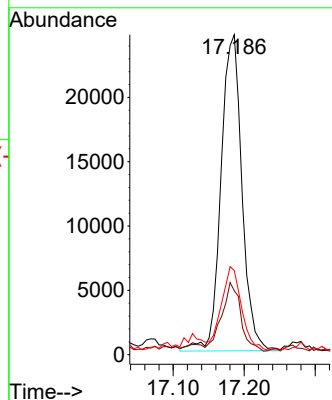
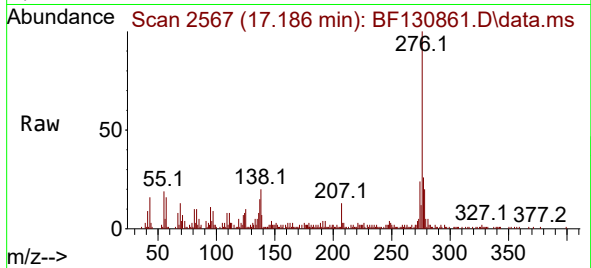




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.609 ng
 RT: 17.186 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF130861.D
 Acq: 29 Oct 2022 17:16

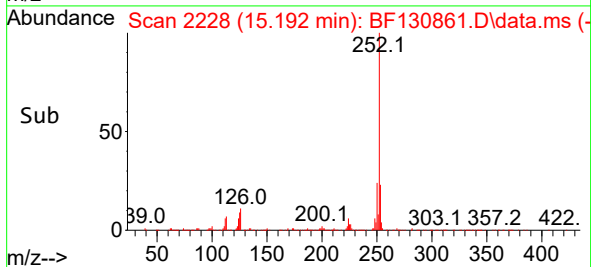
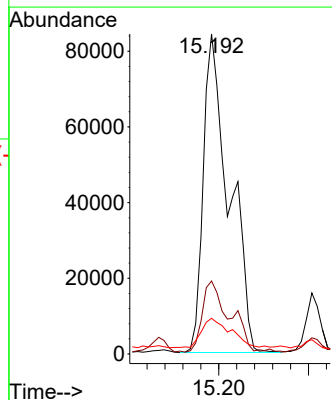
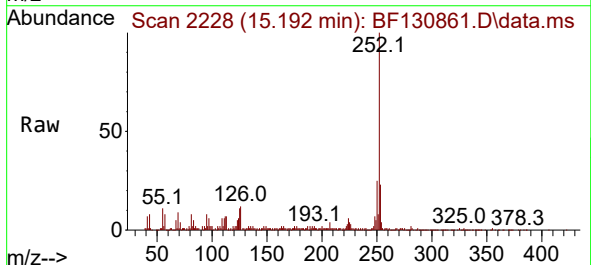
Instrument :
 BNA_F
 ClientSampleId :
 TP7-1024

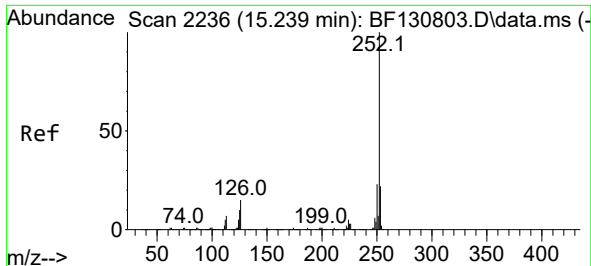
Tgt Ion:276 Resp: 50442
 Ion Ratio Lower Upper
 276 100
 138 19.7 19.1 28.7
 277 25.5 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 22.665 ng
 RT: 15.192 min Scan# 2228
 Delta R.T. -0.006 min
 Lab File: BF130861.D
 Acq: 29 Oct 2022 17:16

Tgt Ion:252 Resp: 168393
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.5 26.3
 125 11.1 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 23.259 ng

RT: 15.192 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF130861.D

Acq: 29 Oct 2022 17:16

Instrument :

BNA_F

ClientSampleId :

TP7-1024

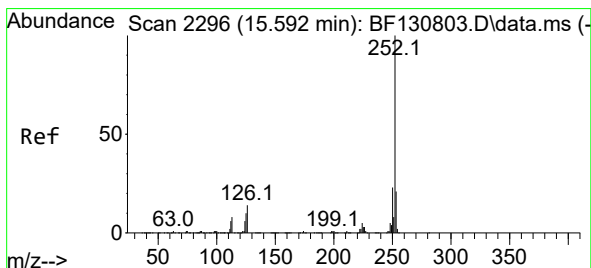
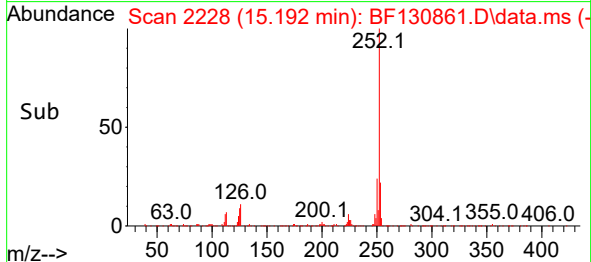
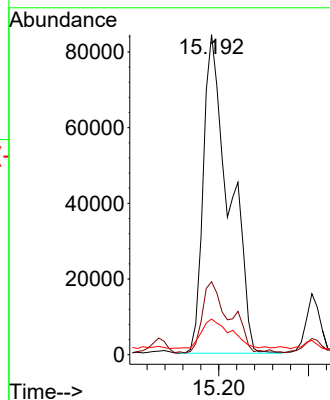
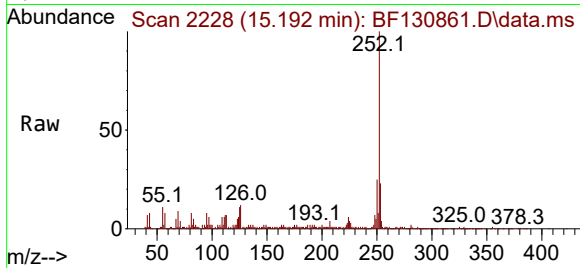
Tgt Ion:252 Resp: 168393

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 11.1 8.0 12.0



#90

Benzo(a)pyrene

Concen: 15.061 ng

RT: 15.574 min Scan# 2293

Delta R.T. -0.006 min

Lab File: BF130861.D

Acq: 29 Oct 2022 17:16

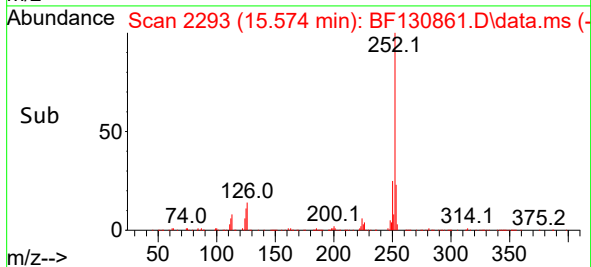
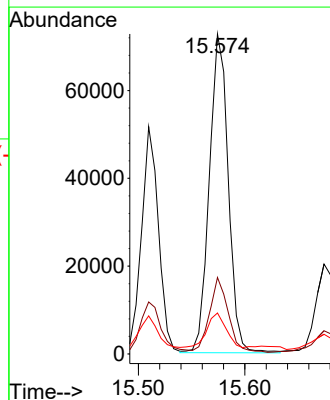
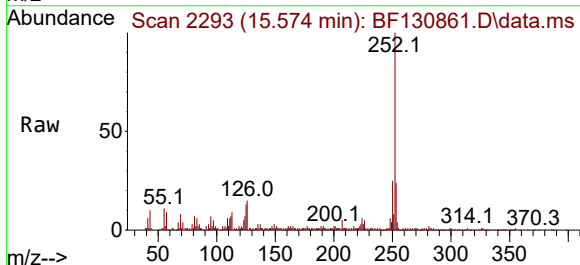
Tgt Ion:252 Resp: 89957

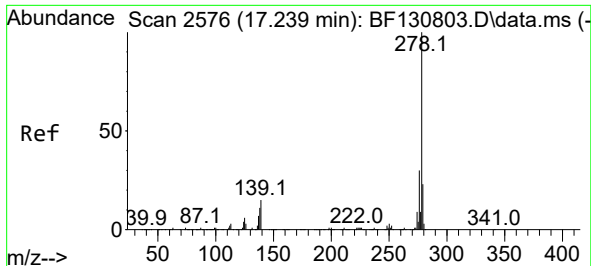
Ion Ratio Lower Upper

252 100

253 23.9 16.8 25.2

125 12.8 8.3 12.5#

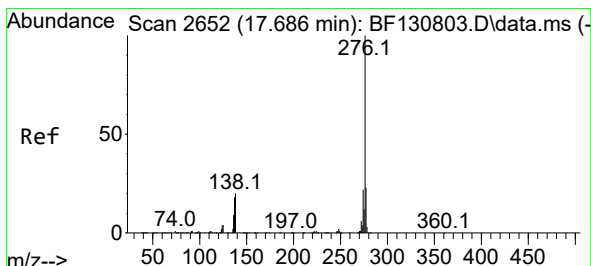
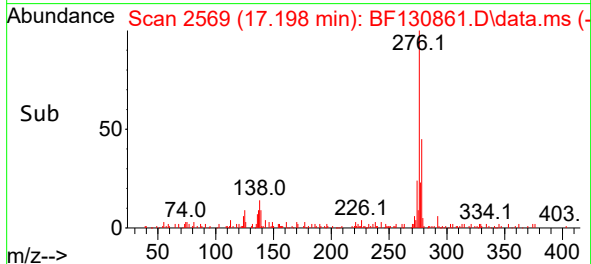
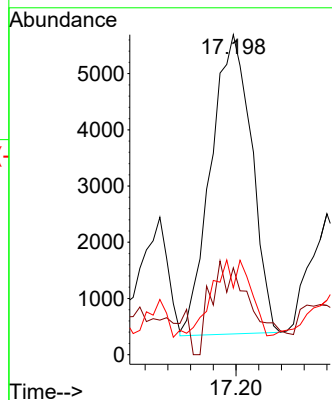
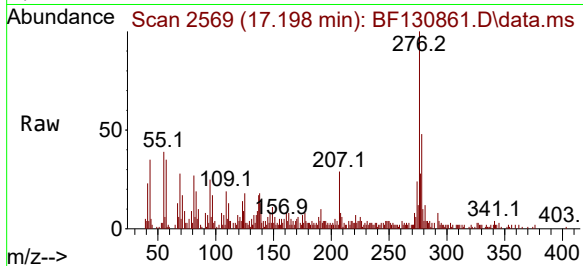




#91
Dibenzo(a,h)anthracene
Concen: 2.131 ng
RT: 17.198 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

Instrument :
BNA_F
ClientSampleId :
TP7-1024

Tgt Ion:278 Resp: 13258
Ion Ratio Lower Upper
278 100
139 27.2 11.9 17.9#
279 20.8 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 7.248 ng
RT: 17.645 min Scan# 2645
Delta R.T. -0.024 min
Lab File: BF130861.D
Acq: 29 Oct 2022 17:16

Tgt Ion:276 Resp: 46010
Ion Ratio Lower Upper
276 100
277 22.1 18.8 28.2
138 20.4 16.3 24.5

