

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010523\
 Data File : BF131929.D
 Acq On : 05 Jan 2023 22:44
 Operator : CG\JU
 Sample : 01030-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Jan 06 03:15:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 03:02:38 2023
 Response via : Initial Calibration

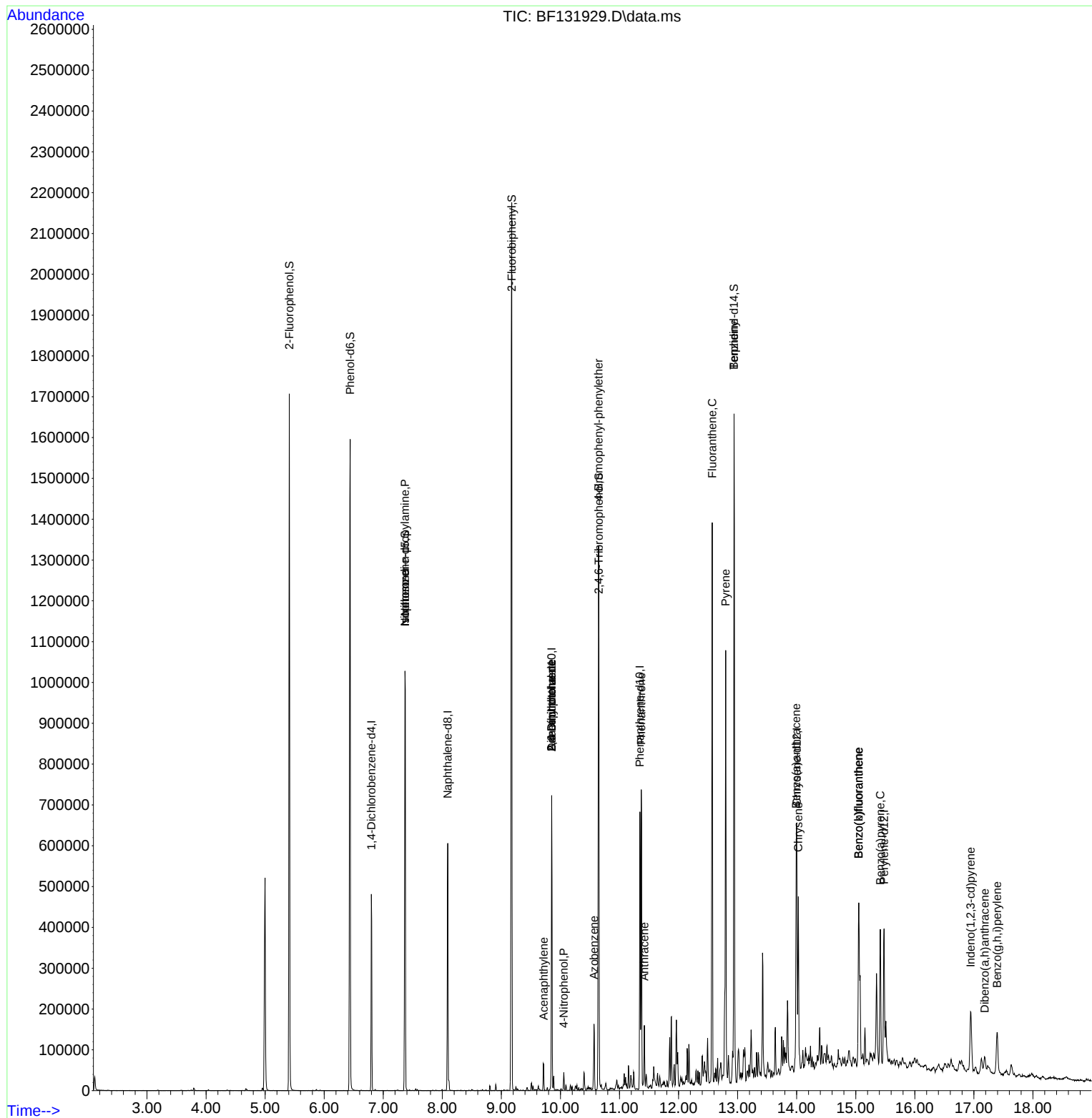
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	66201	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	236242	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	136746	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	241534	20.000	ng	0.00
76) Chrysene-d12	14.004	240	127342	20.000	ng	0.00
86) Perylene-d12	15.480	264	152045	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	397193	99.430	ng	0.00
7) Phenol-d6	6.439	99	524000	99.842	ng	0.00
23) Nitrobenzene-d5	7.369	82	370821	62.670	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	138609	93.292	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	638914	63.998	ng	0.00
79) Terphenyl-d14	12.939	244	540027	71.733	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.369	70	52285	14.106	ng	# 78
25) Isophorone	7.369	82	370818	38.375	ng	# 69
49) Acenaphthylene	9.716	152	25932	2.011	ng	100
50) Dimethylphthalate	9.851	163	24838	2.401	ng	# 1
51) 2,6-Dinitrotoluene	9.851	165	17819	7.957	ng	# 18
56) 4-Nitrophenol	10.057	139	4759	2.977	ng	# 1
57) 2,4-Dinitrotoluene	9.851	165	17819	5.818	ng	# 17
63) Azobenzene	10.569	77	28686	2.596	ng	# 3
67) 4-Bromophenyl-phenylether	10.645	248	9469	3.383	ng	# 1
71) Phenanthrene	11.369	178	251384	18.926	ng	100
72) Anthracene	11.421	178	49489	3.809	ng	99
75) Fluoranthene	12.568	202	485219	31.363	ng	99
77) Benzidine	12.939	184	8774	4.193	ng	# 89
78) Pyrene	12.798	202	406589	38.094	ng	99
81) Benzo(a)anthracene	13.992	228	182436	19.787	ng	97
83) Chrysene	14.027	228	146967	16.963	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	95842	9.922	ng	97
88) Benzo(b)fluoranthene	15.051	252	288179	25.849	ng	98
89) Benzo(k)fluoranthene	15.051	252	288179	26.753	ng	# 98
90) Benzo(a)pyrene	15.415	252	161626	18.726	ng	96
91) Dibenzo(a,h)anthracene	17.186	278	18838	2.381	ng	95
92) Benzo(g,h,i)perylene	17.392	276	83353	13.180	ng	94

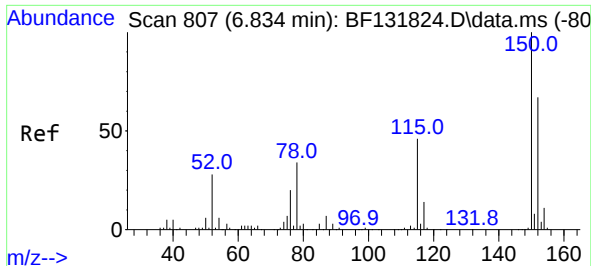
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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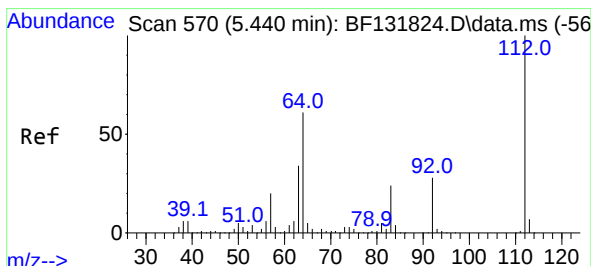
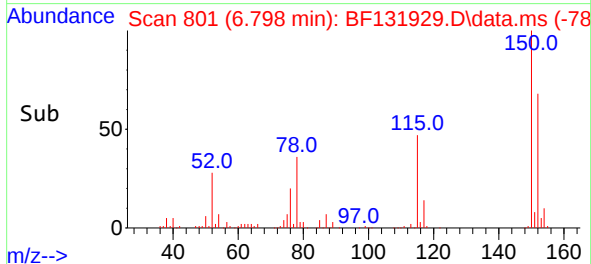
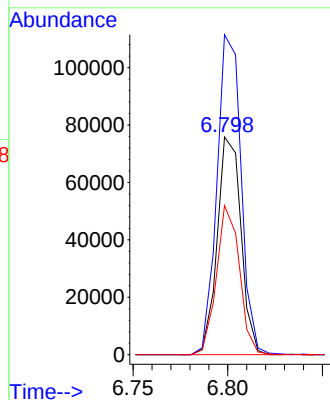
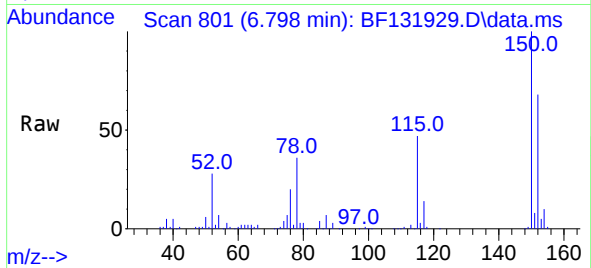




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 807
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

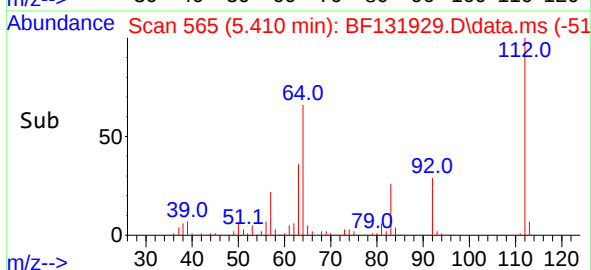
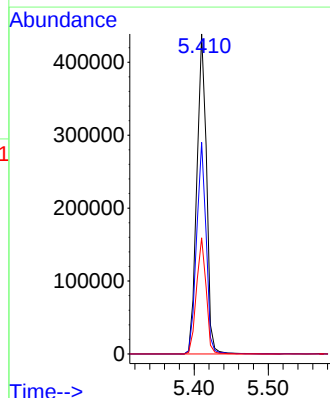
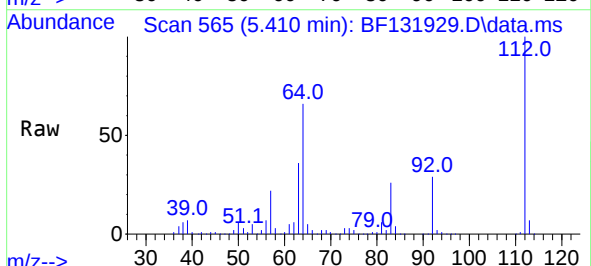
Instrument :
BNA_F
ClientSampleId :
TP-5

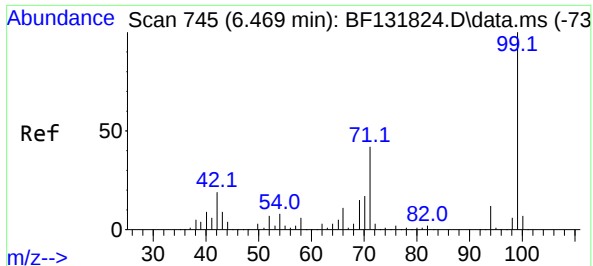
Tgt Ion:152 Resp: 66201
Ion Ratio Lower Upper
152 100
150 146.9 120.0 180.0
115 68.5 55.1 82.7



#5
2-Fluorophenol
Concen: 99.430 ng
RT: 5.410 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Tgt Ion:112 Resp: 397193
Ion Ratio Lower Upper
112 100
64 66.1 49.2 73.8
63 36.3 27.5 41.3

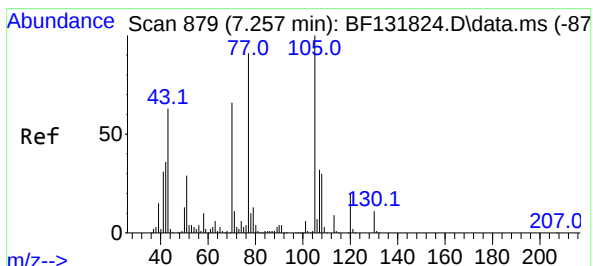
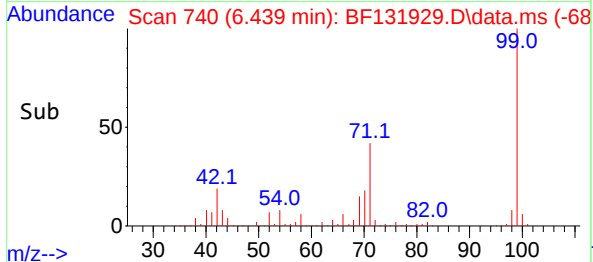
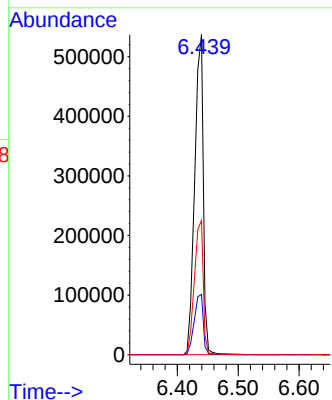
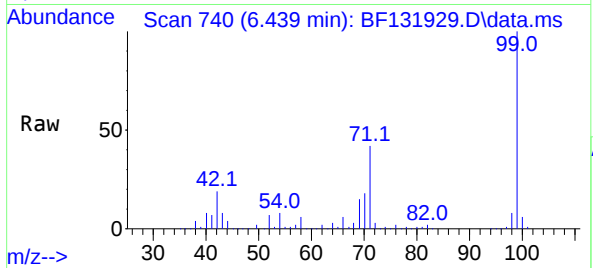




#7
Phenol-d6
Concen: 99.842 ng
RT: 6.439 min Scan# 745
Delta R.T. 0.000 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

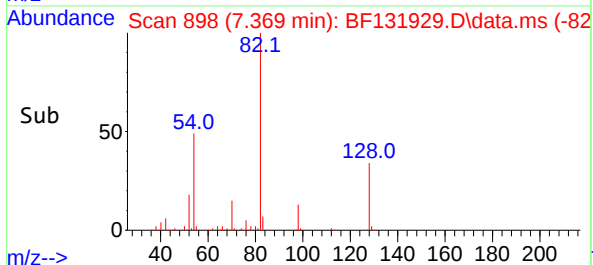
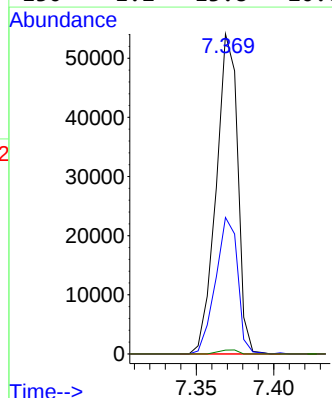
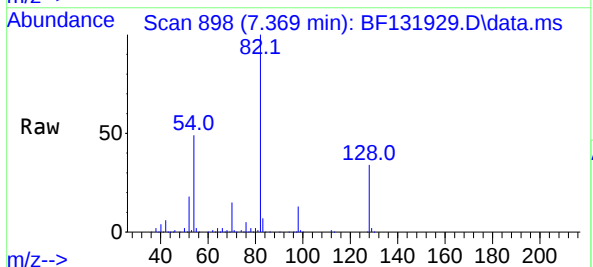
Instrument :
BNA_F
ClientSampleId :
TP-5

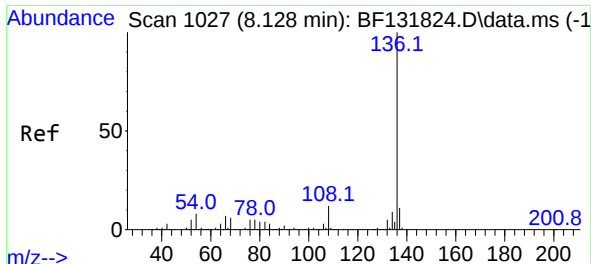
Tgt Ion: 99 Resp: 524000
Ion Ratio Lower Upper
99 100
42 18.9 15.3 22.9
71 41.9 33.5 50.3



#19
n-Nitroso-di-n-propylamine
Concen: 14.106 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.141 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Tgt Ion: 70 Resp: 52285
Ion Ratio Lower Upper
70 100
42 42.6 43.8 65.6#
101 0.0 7.4 11.0#
130 1.2 13.8 20.6#



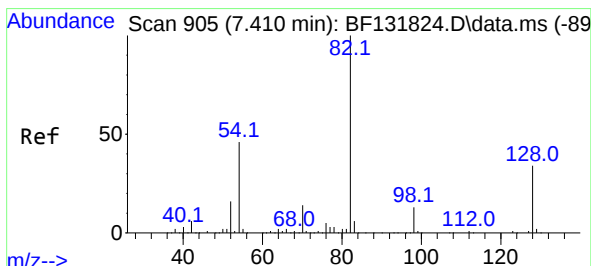
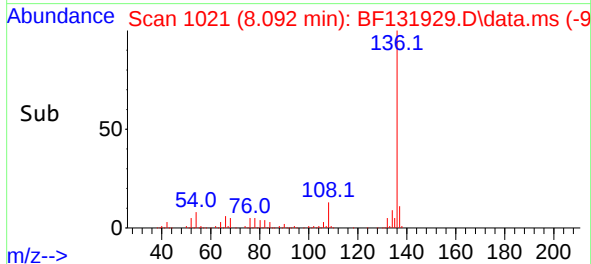
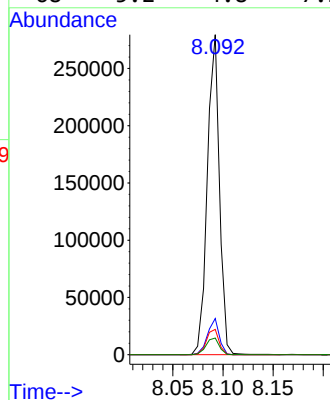
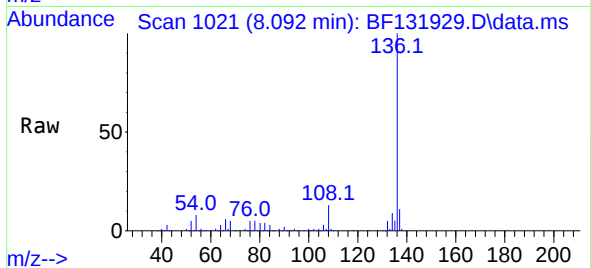


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:136 Resp: 236242

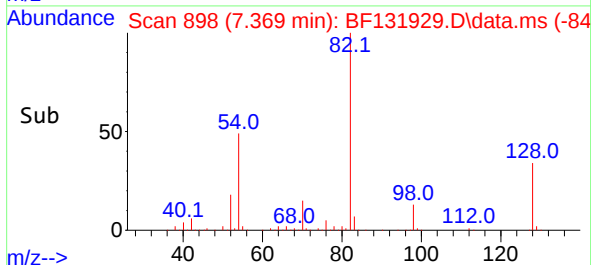
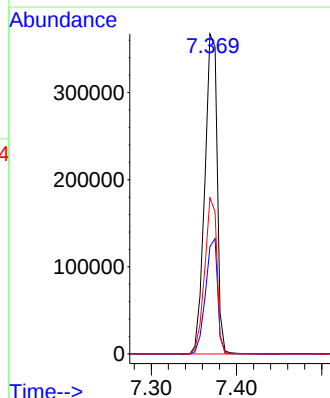
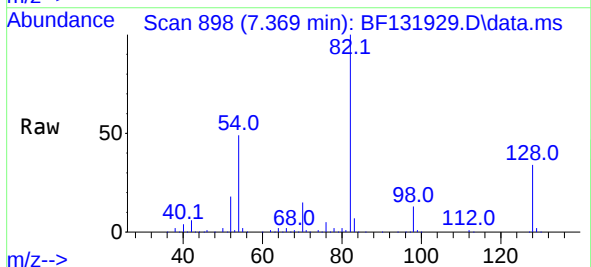
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	12.8
54	7.9	6.7	10.1
68	5.2	4.8	7.2

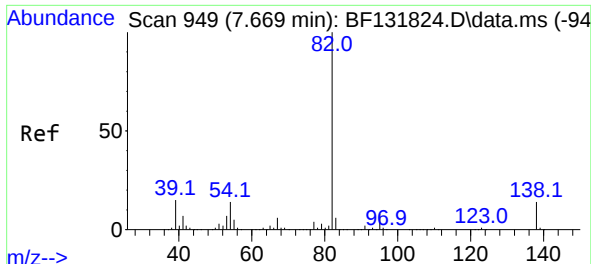


#23
Nitrobenzene-d5
Concen: 62.670 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Tgt Ion: 82 Resp: 370821

Ion	Ratio	Lower	Upper
82	100		
128	33.5	27.1	40.7
54	48.8	37.0	55.6

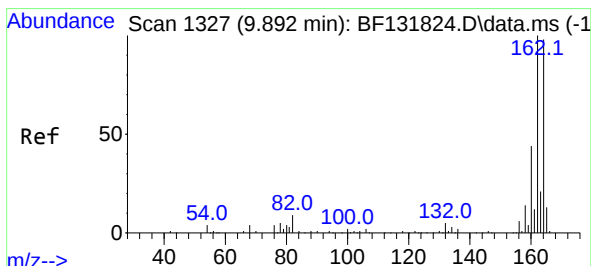
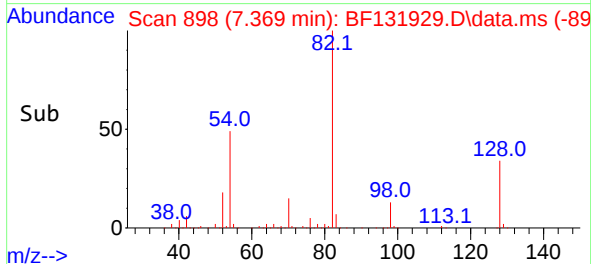
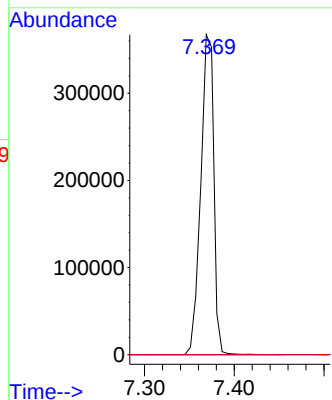
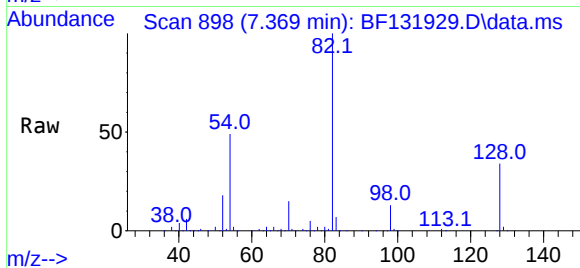




#25
Isophorone
Concen: 38.375 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

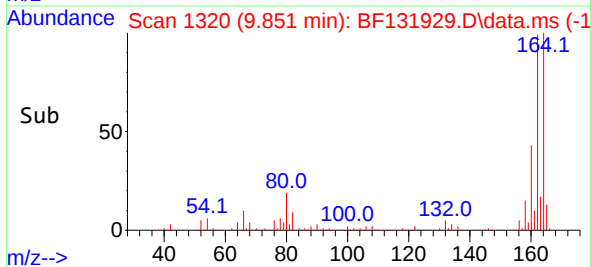
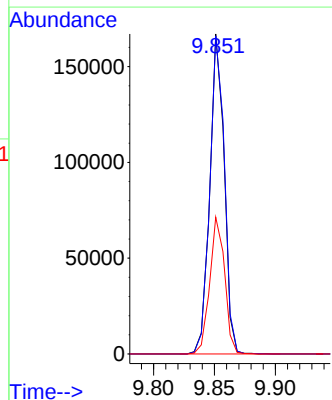
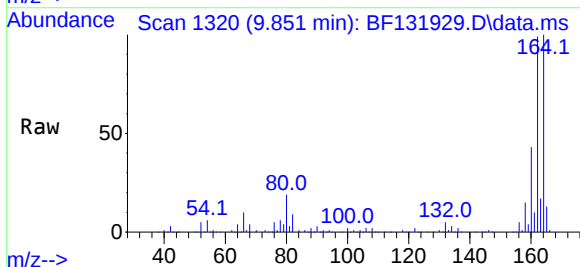
Instrument :
BNA_F
ClientSampleId :
TP-5

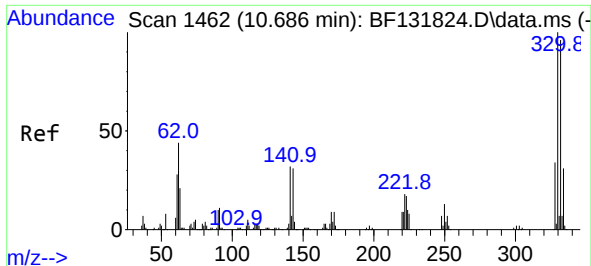
Tgt Ion: 82 Resp: 370818
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 11.5 17.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Tgt Ion:164 Resp: 136746
Ion Ratio Lower Upper
164 100
162 99.4 81.8 122.6
160 42.8 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 93.292 ng

RT: 10.651 min Scan# 1456

Delta R.T. 0.000 min

Lab File: BF131929.D

Acq: 05 Jan 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TP-5

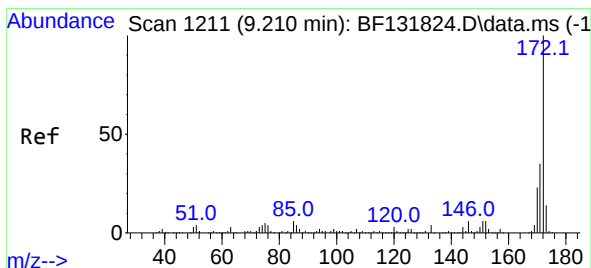
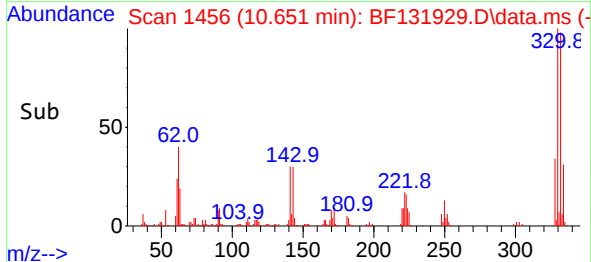
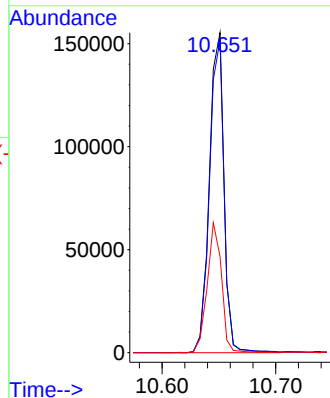
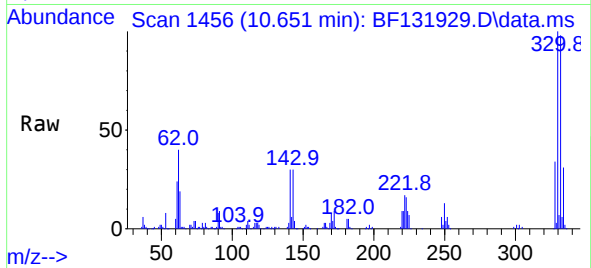
Tgt Ion:330 Resp: 138609

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.4

141 40.0 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 63.998 ng

RT: 9.175 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF131929.D

Acq: 05 Jan 2023 22:44

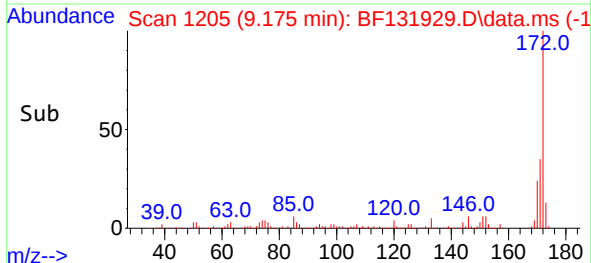
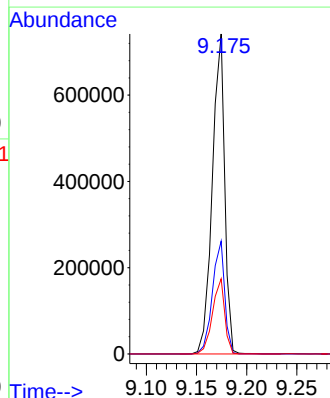
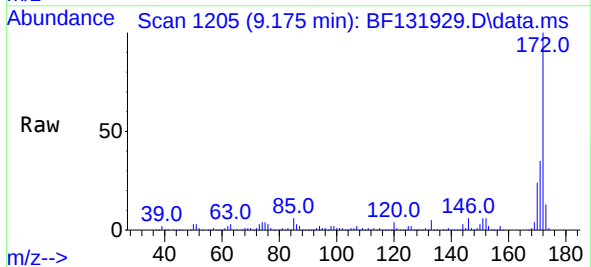
Tgt Ion:172 Resp: 638914

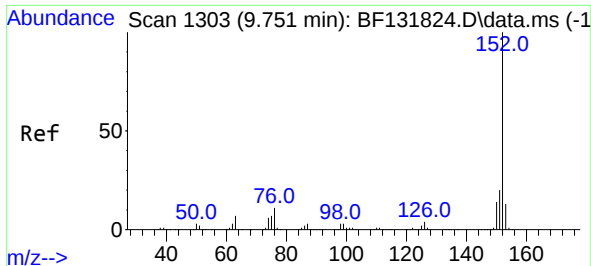
Ion Ratio Lower Upper

172 100

171 35.2 27.9 41.9

170 23.5 18.7 28.1





#49

Acenaphthylene

Concen: 2.011 ng

RT: 9.716 min Scan# 1303

Delta R.T. -0.006 min

Lab File: BF131929.D

Acq: 05 Jan 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TP-5

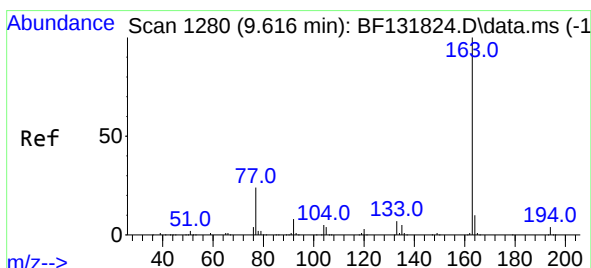
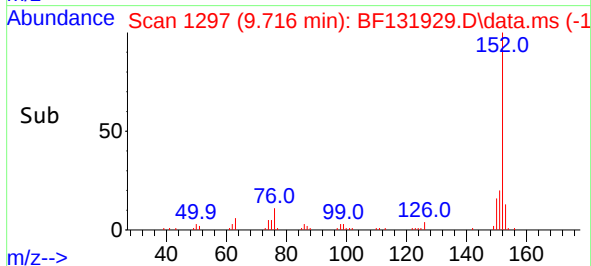
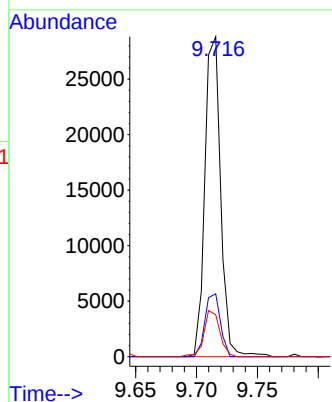
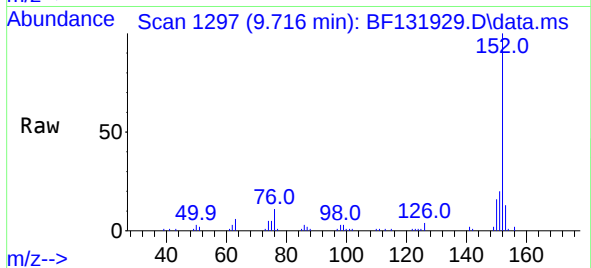
Tgt Ion:152 Resp: 25932

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

153 13.1 10.2 15.4



#50

Dimethylphthalate

Concen: 2.401 ng

RT: 9.851 min Scan# 1320

Delta R.T. 0.265 min

Lab File: BF131929.D

Acq: 05 Jan 2023 22:44

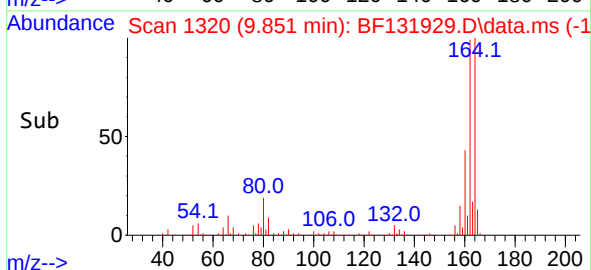
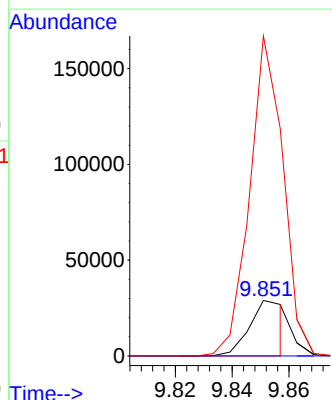
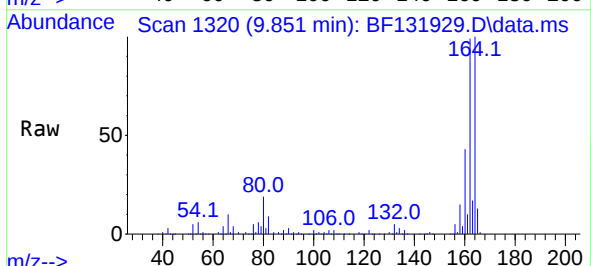
Tgt Ion:163 Resp: 24838

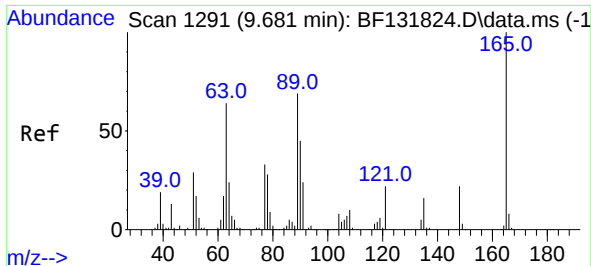
Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.6#

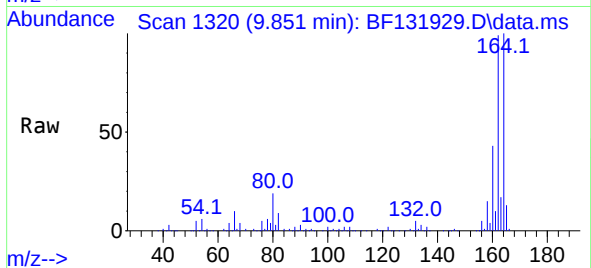
164 576.8 8.2 12.4#



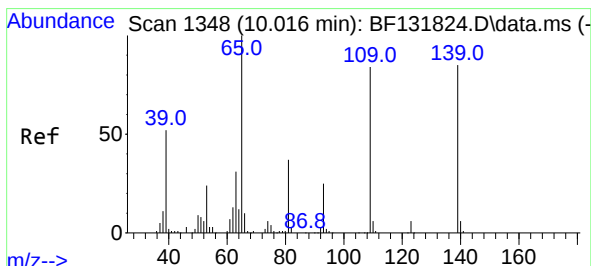
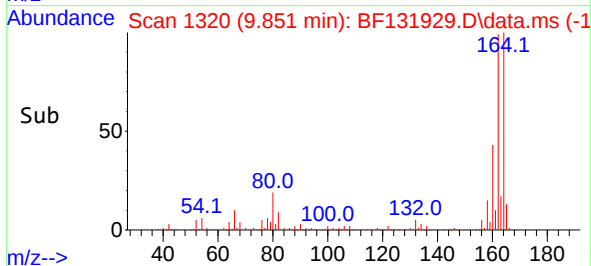
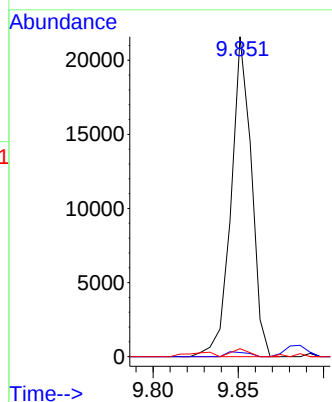


#51
2,6-Dinitrotoluene
Concen: 7.957 ng
RT: 9.851 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TP-5

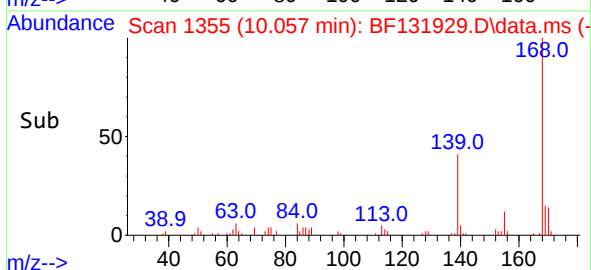
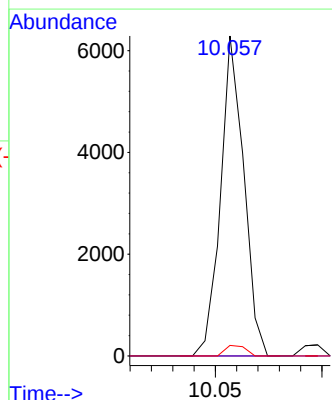
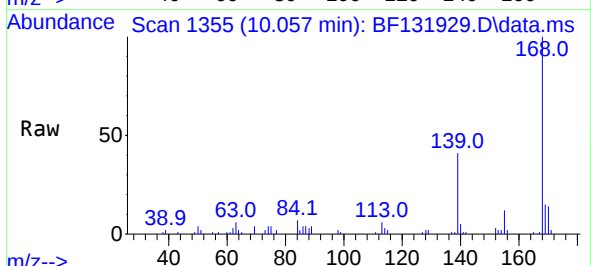


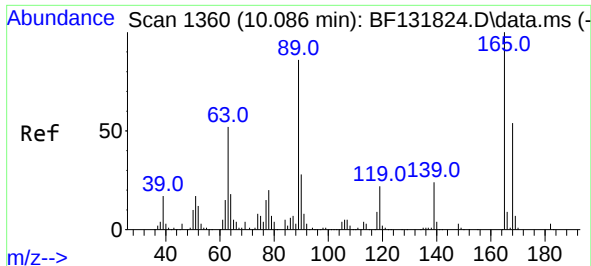
Tgt Ion:165 Resp: 17819
Ion Ratio Lower Upper
165 100
63 1.3 55.1 82.7#
89 2.5 55.0 82.4#



#56
4-Nitrophenol
Concen: 2.977 ng
RT: 10.057 min Scan# 1355
Delta R.T. 0.071 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Tgt Ion:139 Resp: 4759
Ion Ratio Lower Upper
139 100
109 0.0 78.5 118.5#
65 3.3 97.5 137.5#



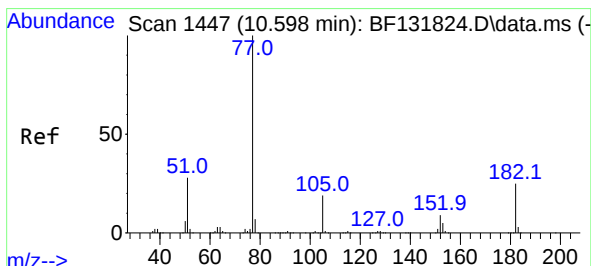
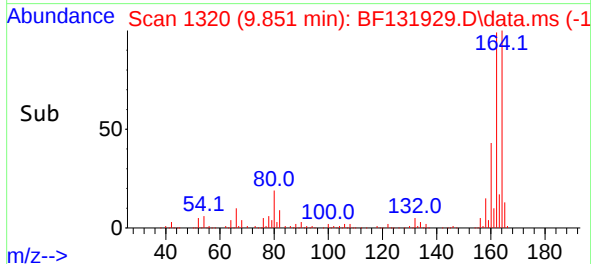
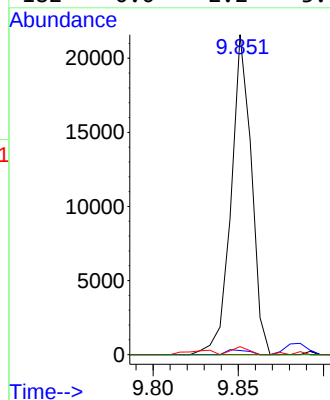
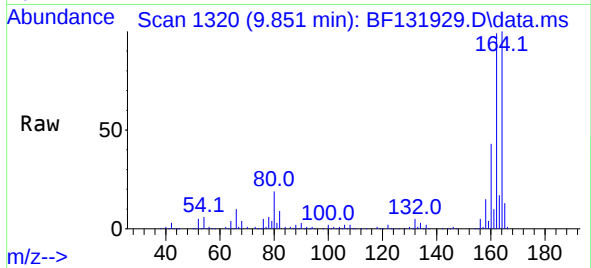


#57
2,4-Dinitrotoluene
Concen: 5.818 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:165 Resp: 17819

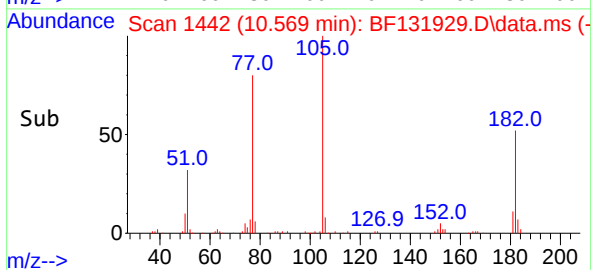
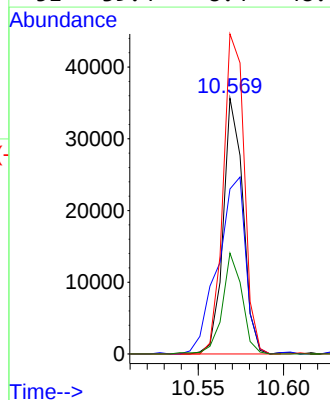
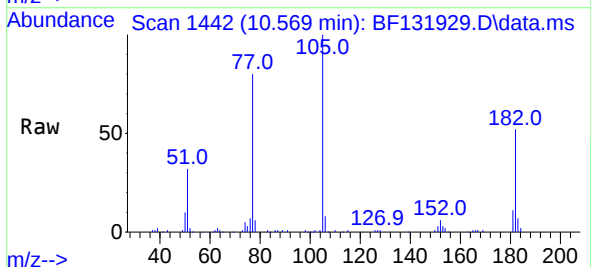
Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.1	63.1#
89	2.5	69.1	103.7#
182	0.0	2.2	3.4#

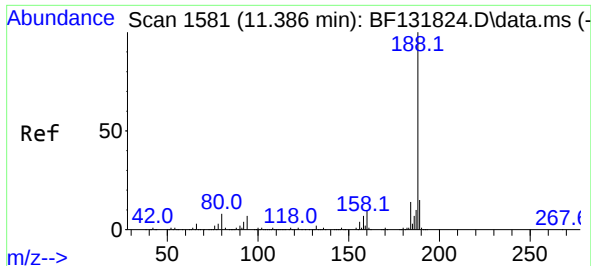


#63
Azobenzene
Concen: 2.596 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Tgt Ion: 77 Resp: 28686

Ion	Ratio	Lower	Upper
77	100		
182	64.5	5.0	45.0#
105	125.1	0.0	39.4#
51	39.4	8.4	48.4

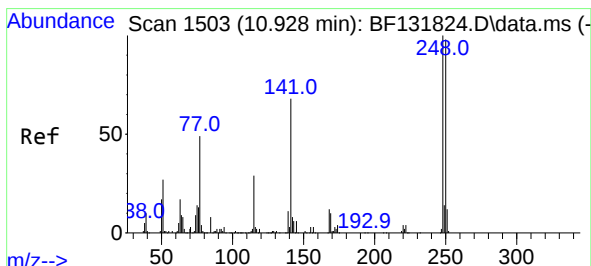
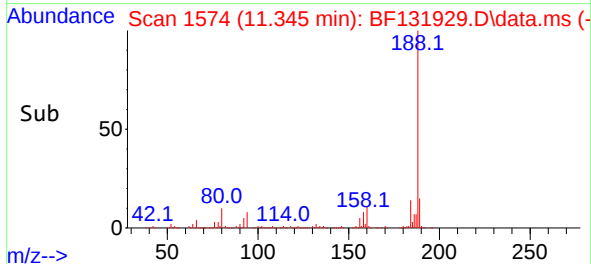
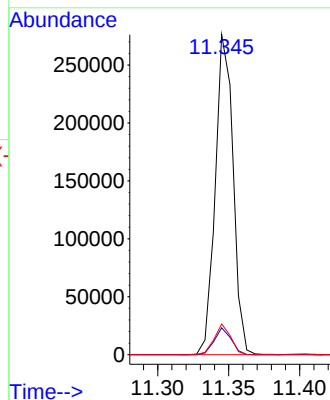
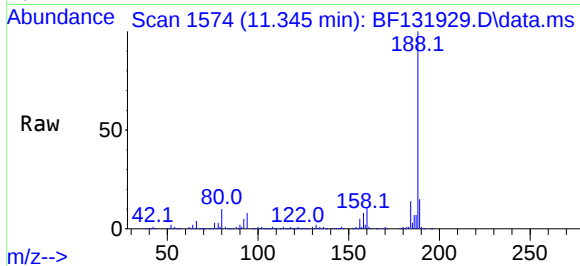




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

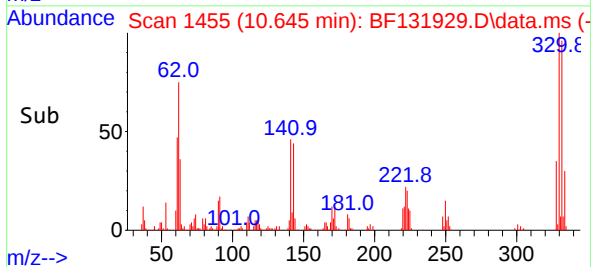
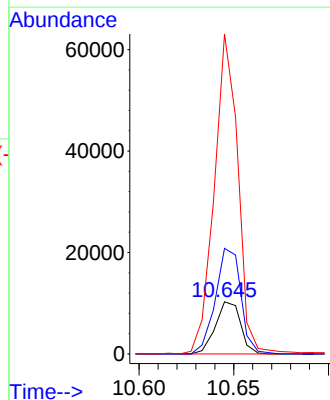
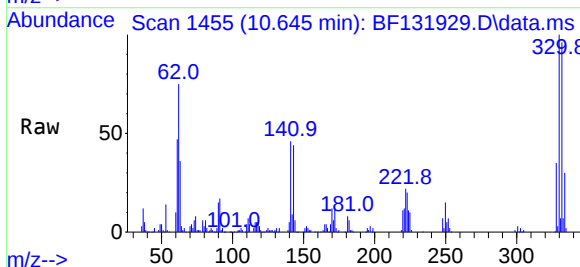
Instrument :
BNA_F
ClientSampleId :
TP-5

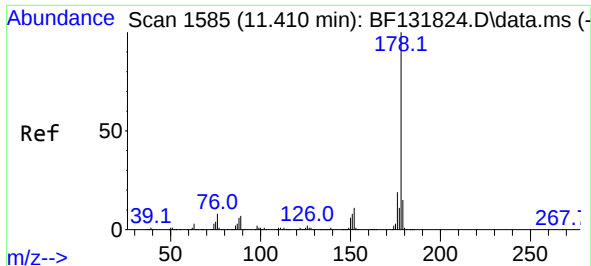
Tgt Ion:188 Resp: 241534
Ion Ratio Lower Upper
188 100
94 8.4 5.8 8.6
80 9.6 6.7 10.1



#67
4-Bromophenyl-phenylether
Concen: 3.383 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.247 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Tgt Ion:248 Resp: 9469
Ion Ratio Lower Upper
248 100
250 202.6 78.0 117.0#
141 613.4 54.8 82.2#

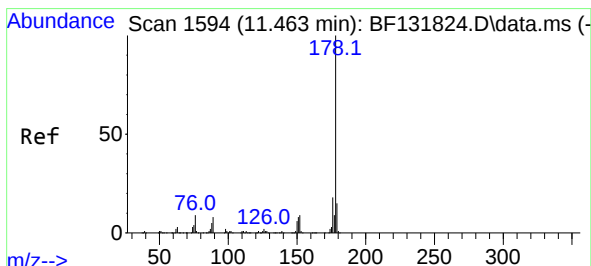
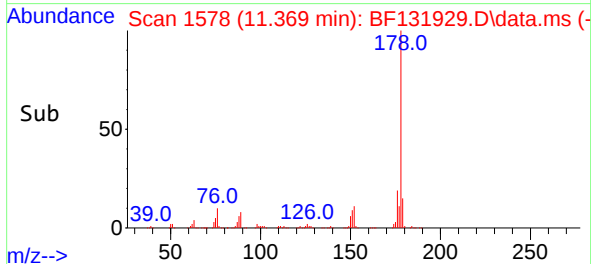
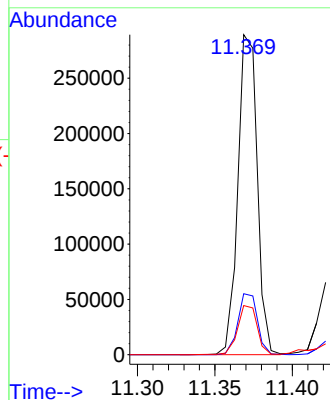
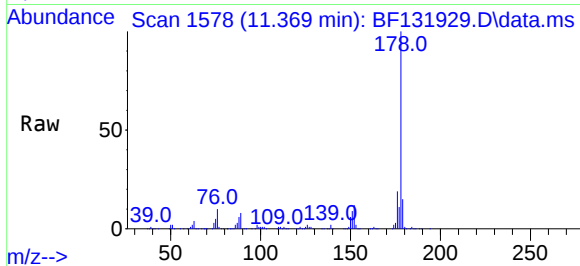




#71
Phenanthrene
Concen: 18.926 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

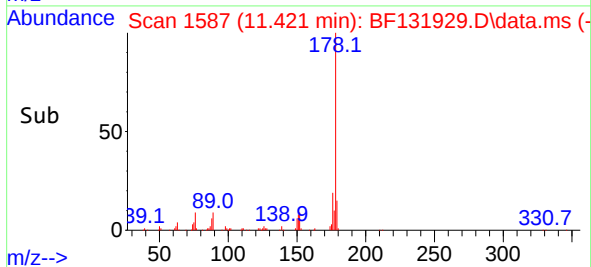
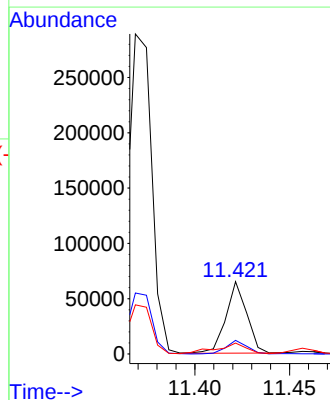
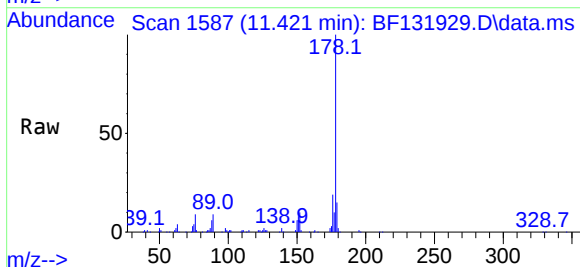
Instrument :
BNA_F
ClientSampleId :
TP-5

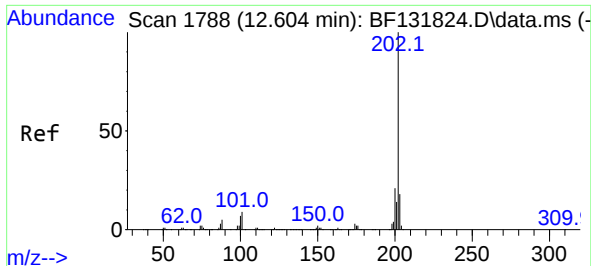
Tgt Ion:178 Resp: 251384
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.3 12.2 18.4



#72
Anthracene
Concen: 3.809 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Tgt Ion:178 Resp: 49489
Ion Ratio Lower Upper
178 100
176 18.9 14.8 22.2
179 15.2 12.2 18.2

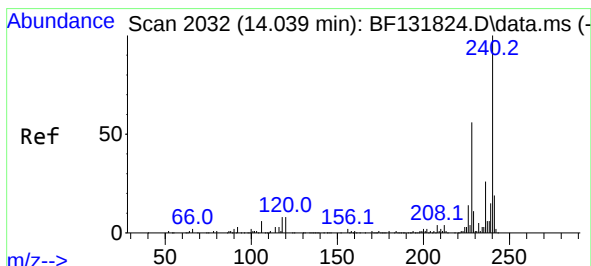
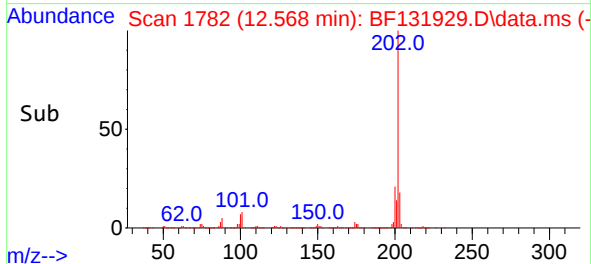
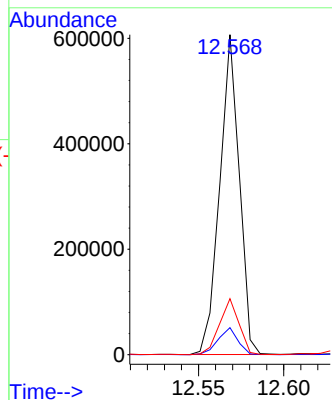
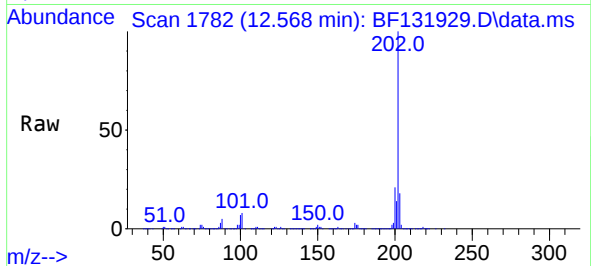




#75
Fluoranthene
Concen: 31.363 ng
RT: 12.568 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

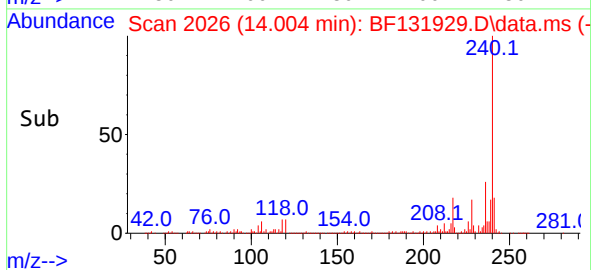
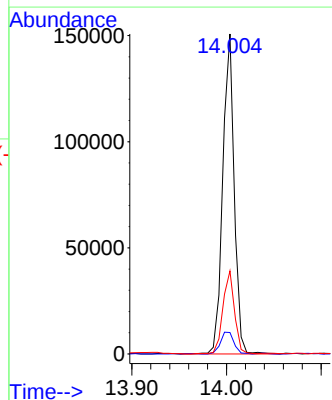
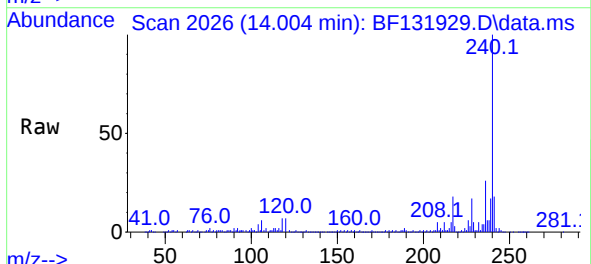
Instrument :
BNA_F
ClientSampleId :
TP-5

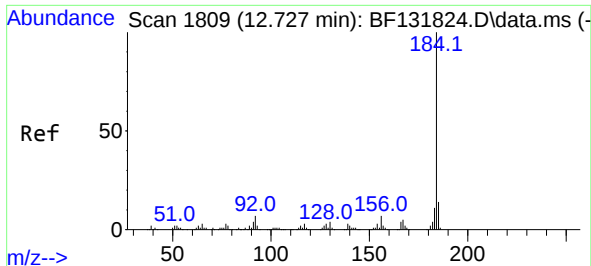
Tgt Ion:202 Resp: 485219
Ion Ratio Lower Upper
202 100
101 8.5 0.0 28.6
203 17.5 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Tgt Ion:240 Resp: 127342
Ion Ratio Lower Upper
240 100
120 6.7 6.7 10.1
236 25.9 20.6 31.0

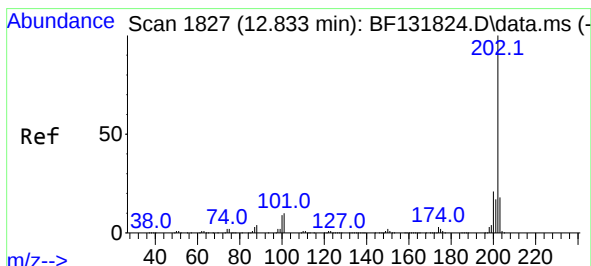
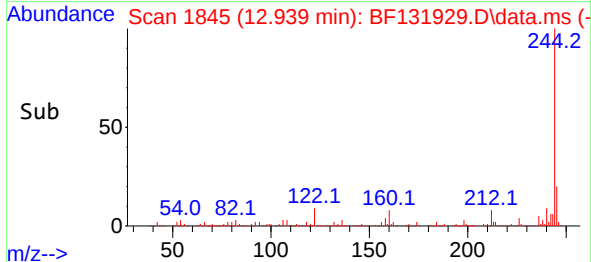
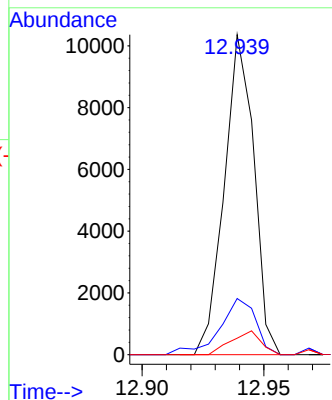
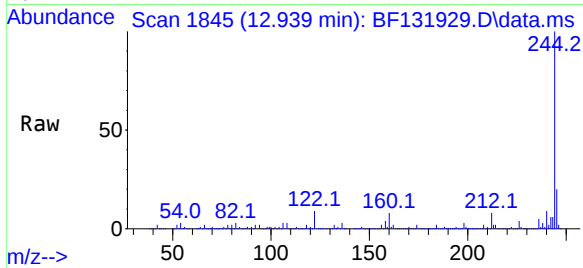




#77
Benzidine
Concen: 4.193 ng
RT: 12.939 min Scan# 1845
Delta R.T. 0.247 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

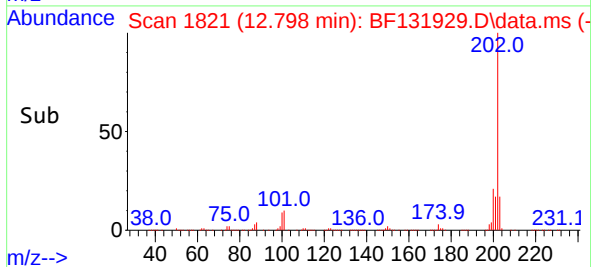
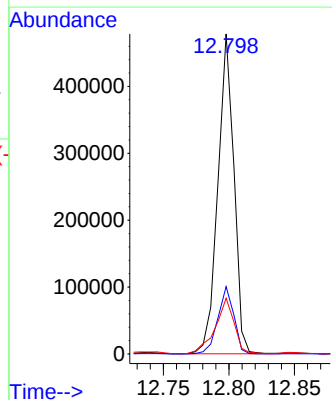
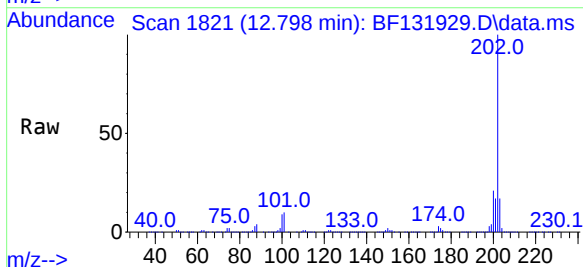
Instrument :
BNA_F
ClientSampleId :
TP-5

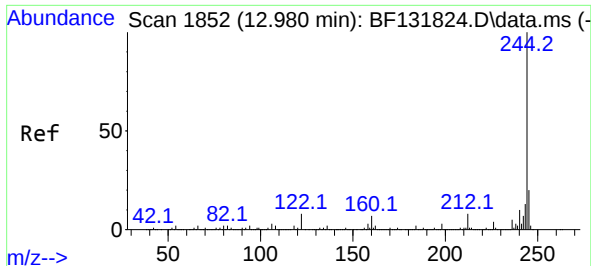
Tgt Ion:184 Resp: 8774
Ion Ratio Lower Upper
184 100
185 17.5 11.6 17.4#
183 5.1 9.0 13.4#



#78
Pyrene
Concen: 38.094 ng
RT: 12.798 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

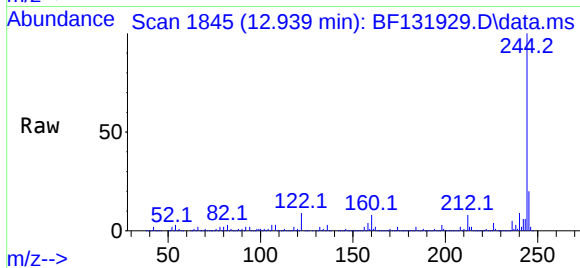
Tgt Ion:202 Resp: 406589
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 17.4 14.4 21.6



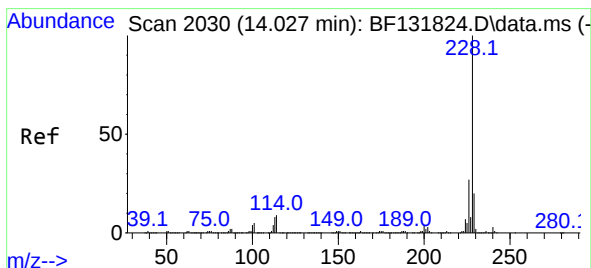
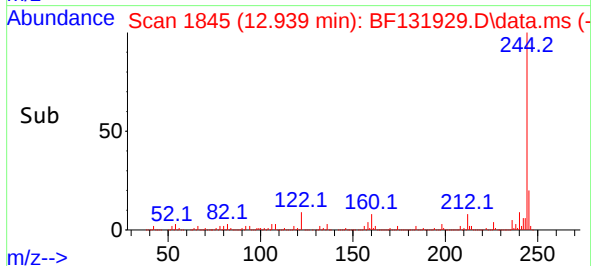
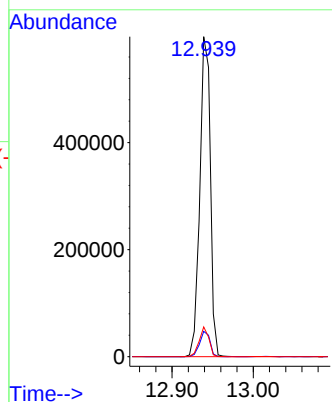


#79
Terphenyl-d14
Concen: 71.733 ng
RT: 12.939 min Scan# 1845
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TP-5

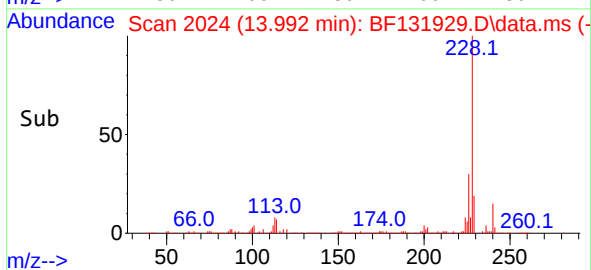
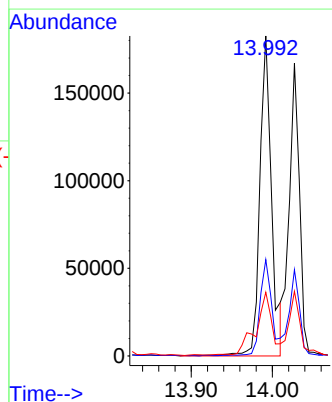
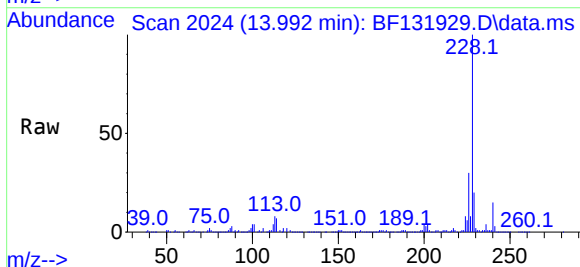


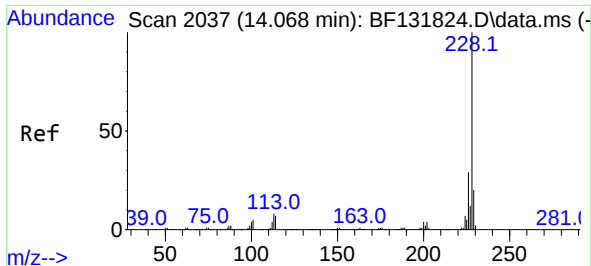
Tgt Ion:244 Resp: 540027
Ion Ratio Lower Upper
244 100
212 7.9 6.3 9.5
122 9.3 6.4 9.6



#81
Benzo(a)anthracene
Concen: 19.787 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Tgt Ion:228 Resp: 182436
Ion Ratio Lower Upper
228 100
226 30.1 22.0 33.0
229 19.9 16.0 24.0

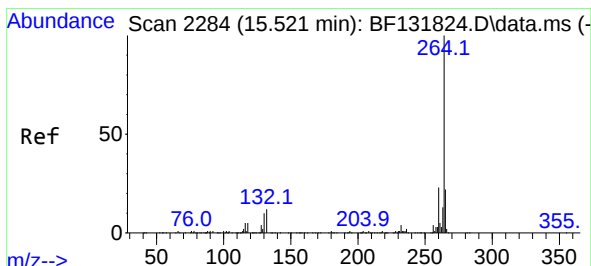
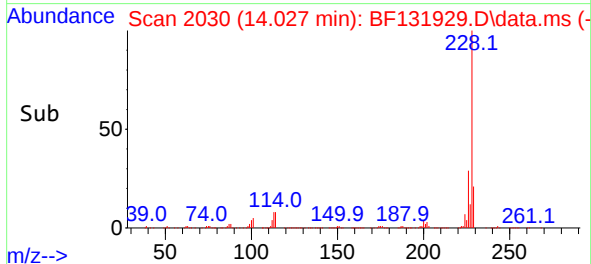
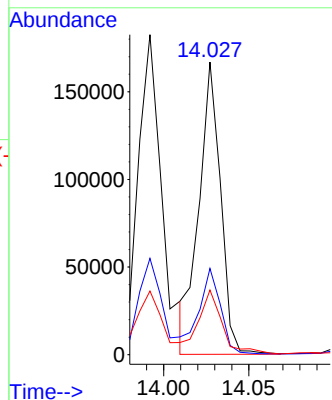
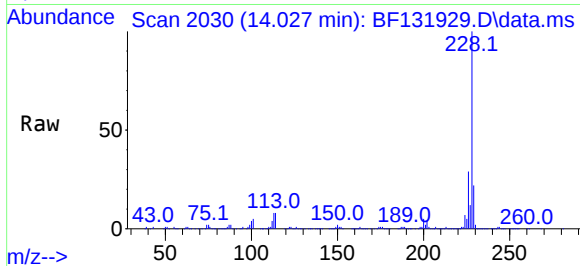




#83
Chrysene
Concen: 16.963 ng
RT: 14.027 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

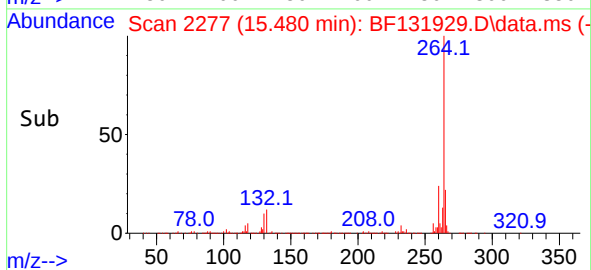
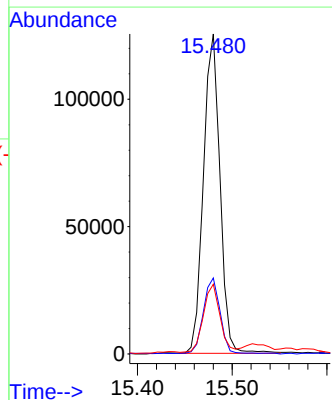
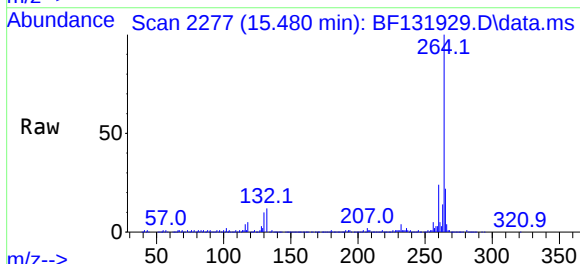
Instrument :
BNA_F
ClientSampleId :
TP-5

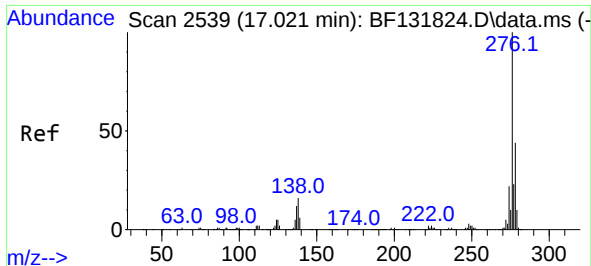
Tgt Ion:228	Resp: 146967
Ion Ratio	Lower Upper
228 100	
226 29.5	23.5 35.3
229 22.1	16.2 24.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Tgt	Ion:264	Resp:	152045
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.8	17.4	26.0

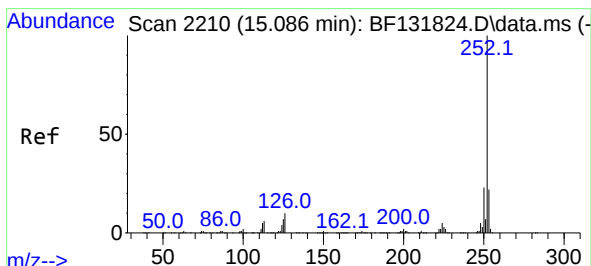
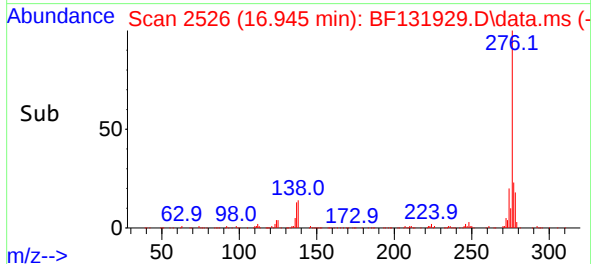
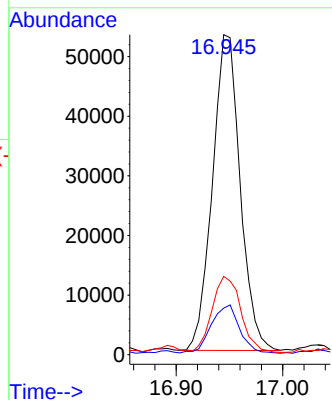
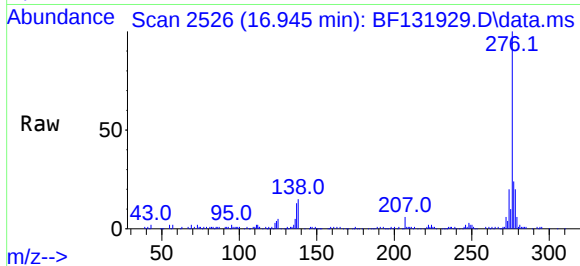




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.922 ng
RT: 16.945 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

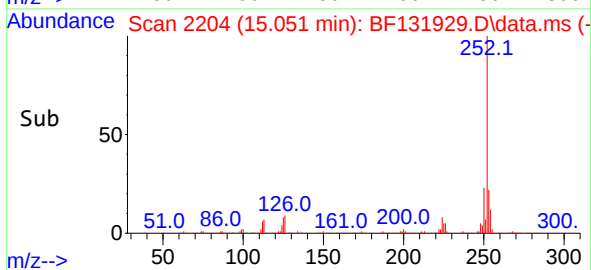
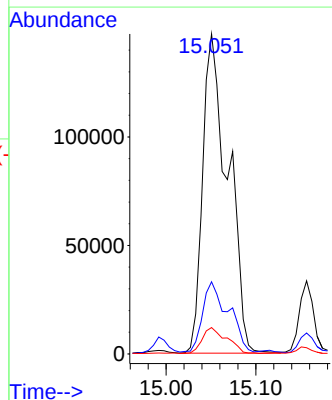
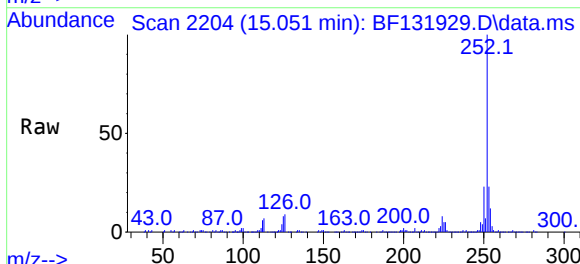
Instrument :
BNA_F
ClientSampleId :
TP-5

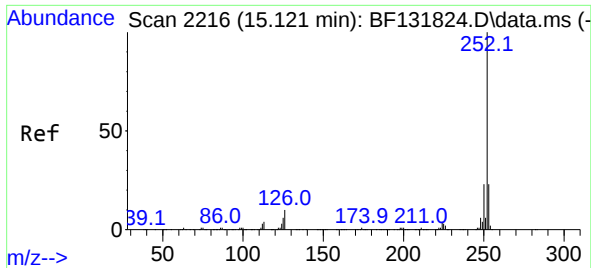
Tgt Ion:	276	Resp:	95842
Ion Ratio	Lower	Upper	
276	100		
138	15.6	14.5	21.7
277	25.0	19.7	29.5



#88
Benzo(b)fluoranthene
Concen: 25.849 ng
RT: 15.051 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Tgt Ion:	252	Resp:	288179
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.6	26.4
125	8.2	5.8	8.8

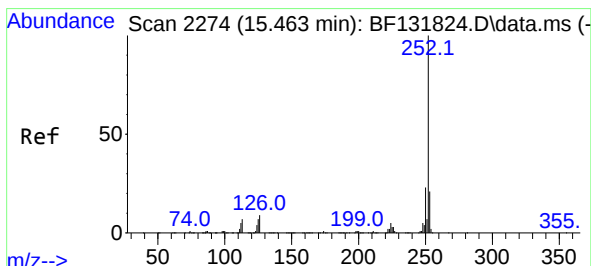
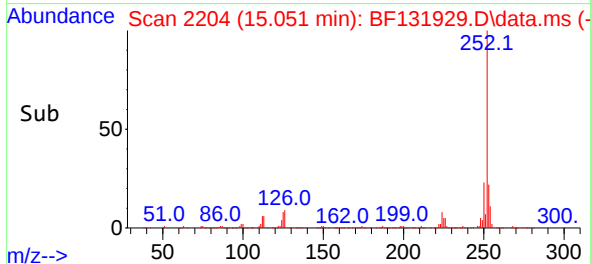
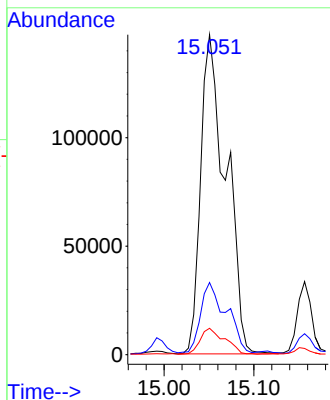
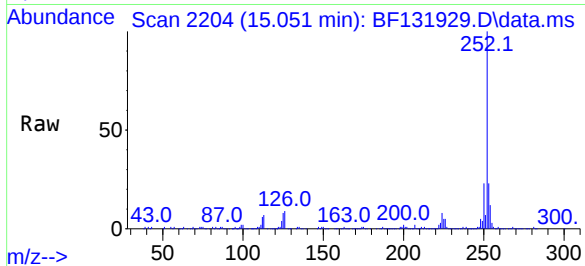




#89
Benzo(k)fluoranthene
Concen: 26.753 ng
RT: 15.051 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

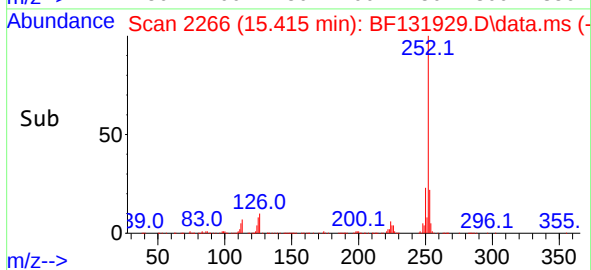
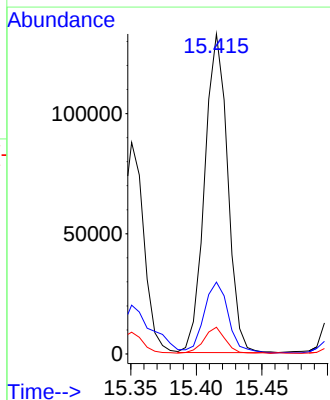
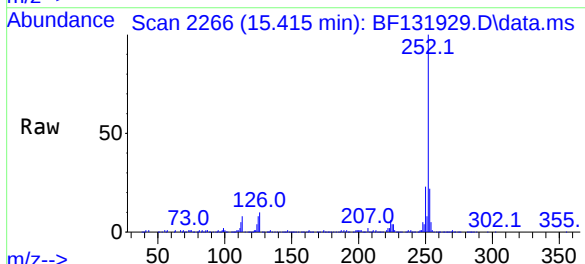
Instrument :
BNA_F
ClientSampleId :
TP-5

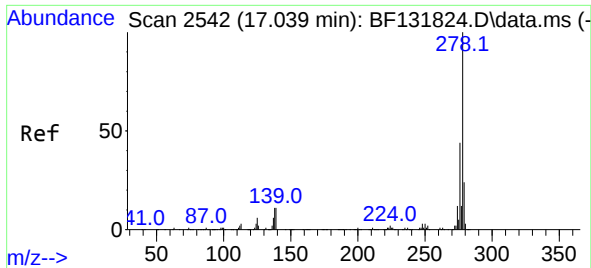
Tgt Ion:252 Resp: 288179
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 8.2 5.4 8.0#



#90
Benzo(a)pyrene
Concen: 18.726 ng
RT: 15.415 min Scan# 2266
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Tgt Ion:252 Resp: 161626
Ion Ratio Lower Upper
252 100
253 22.4 16.6 24.8
125 8.3 5.8 8.8

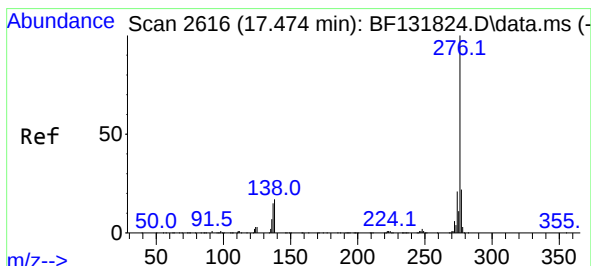
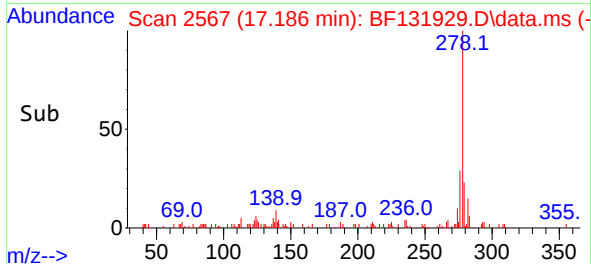
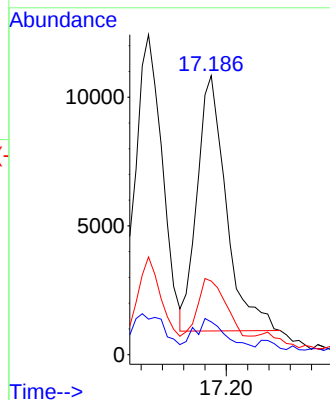
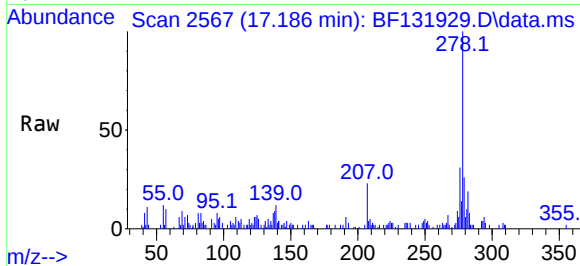




#91
Dibenzo(a,h)anthracene
Concen: 2.381 ng
RT: 17.186 min Scan# 21
Delta R.T. 0.212 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:278 Resp: 18838
Ion Ratio Lower Upper
278 100
139 11.8 8.6 12.8
279 26.4 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 13.180 ng
RT: 17.392 min Scan# 2602
Delta R.T. -0.018 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Tgt Ion:276 Resp: 83353
Ion Ratio Lower Upper
276 100
277 25.5 17.9 26.9
138 15.2 13.7 20.5

