

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
 Data File : BF130972.D
 Acq On : 03 Nov 2022 22:00
 Operator : CG\JU
 Sample : N5396-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-F

Quant Time: Nov 04 06:23:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 06:20:24 2022
 Response via : Initial Calibration

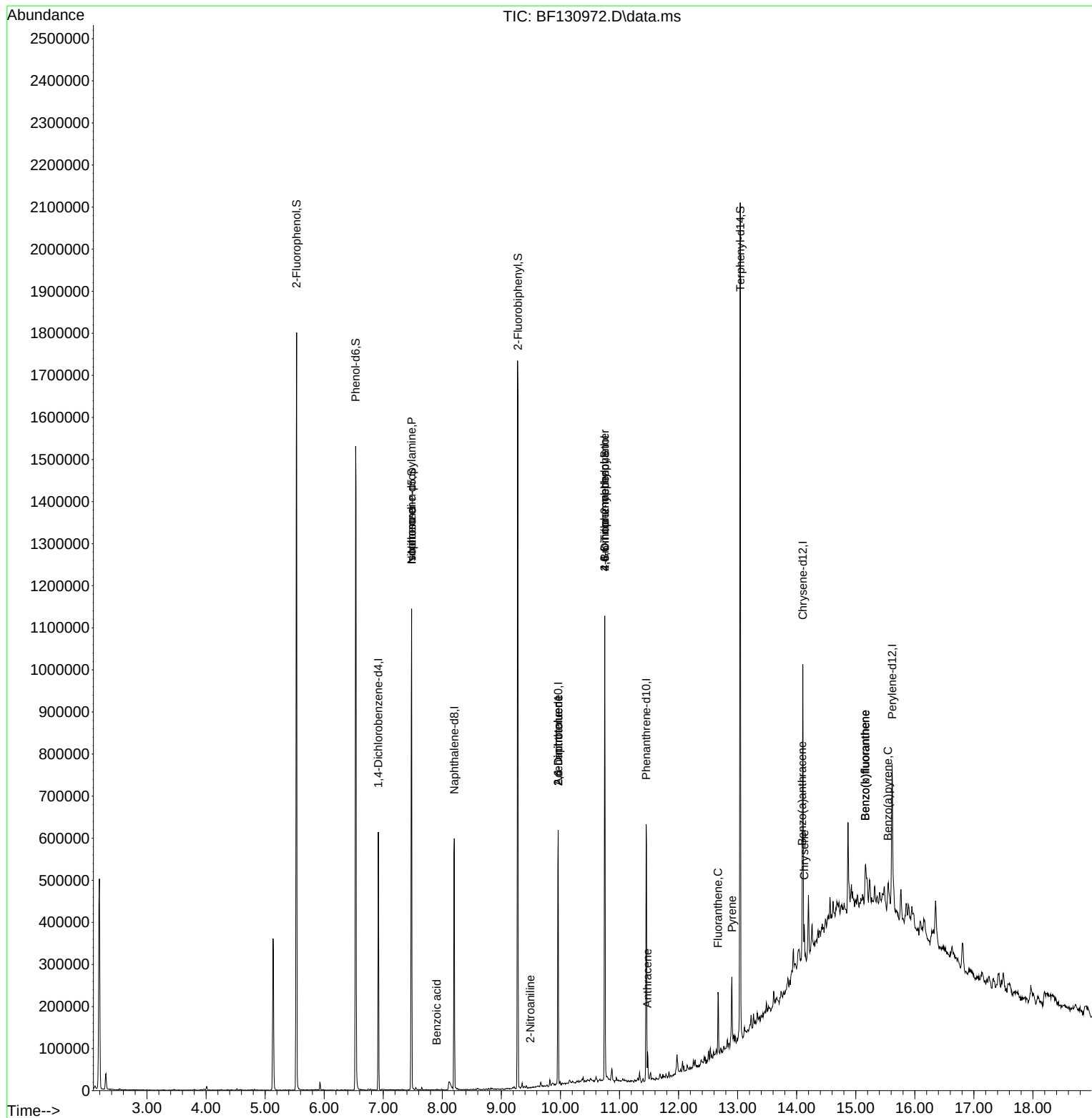
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	77558	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	252786	20.000	ng	# 0.00
39) Acenaphthene-d10	9.963	164	115636	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	219075	20.000	ng	0.00
76) Chrysene-d12	14.104	240	218035	20.000	ng	0.00
86) Perylene-d12	15.615	264	158650	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	438547	98.026	ng	0.00
7) Phenol-d6	6.534	99	509939	87.714	ng	0.00
23) Nitrobenzene-d5	7.481	82	331644	79.109	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	116072	119.241	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	527885	69.018	ng	0.00
79) Terphenyl-d14	13.045	244	636766	53.516	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.481	70	44409	11.227	ng	# 72
25) Isophorone	7.481	82	331637	38.362	ng	# 66
32) Benzoic acid	7.904	122	86	7.708	ng	# 24
48) 2-Nitroaniline	9.492	65	85	4.184	ng	# 12
51) 2,6-Dinitrotoluene	9.963	165	15825	12.661	ng	# 14
57) 2,4-Dinitrotoluene	9.963	165	15825	11.404	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.751	198	254	8.160	ng	# 1
67) 4-Bromophenyl-phenylether	10.751	248	7309	3.318	ng	# 1
72) Anthracene	11.474	178	22371	2.006	ng	98
75) Fluoranthene	12.668	202	60189	5.010	ng	99
78) Pyrene	12.904	202	59439	3.231	ng	98
81) Benzo(a)anthracene	14.092	228	36436	2.521	ng	93
83) Chrysene	14.127	228	39808	2.855	ng	96
88) Benzo(b)fluoranthene	15.162	252	53675	5.234	ng	# 80
89) Benzo(k)fluoranthene	15.162	252	53675	5.371	ng	# 81
90) Benzo(a)pyrene	15.545	252	23528	2.854	ng	# 77

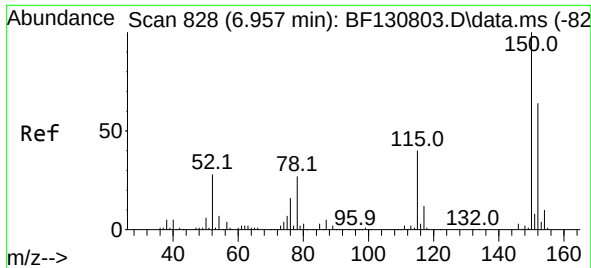
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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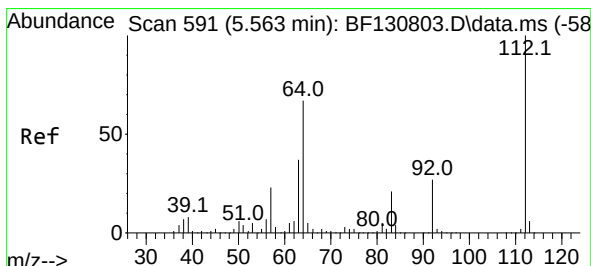
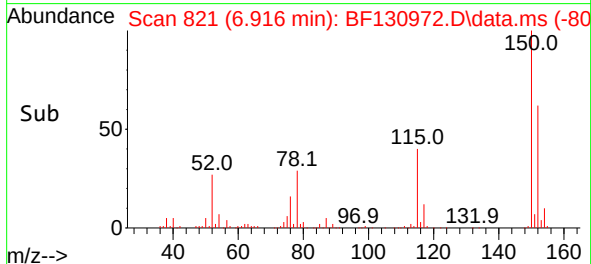
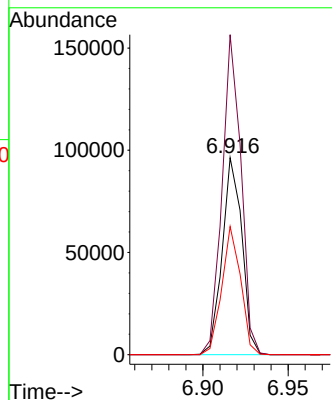
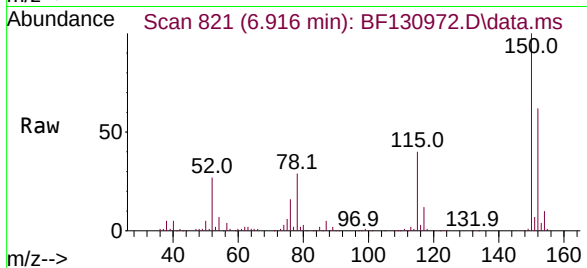




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

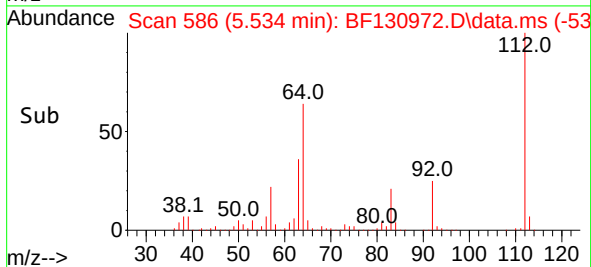
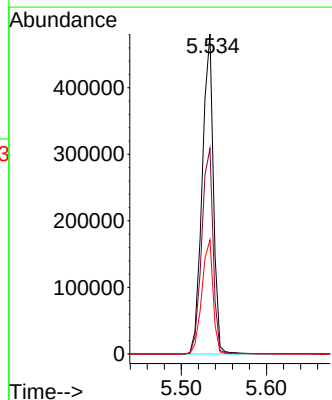
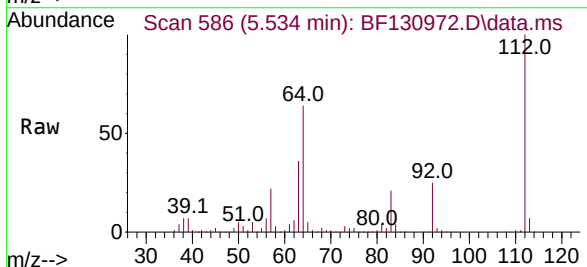
Instrument :
BNA_F
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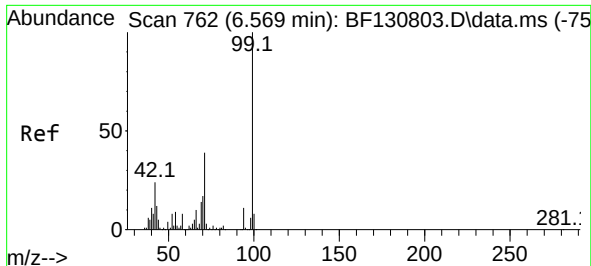
Tgt Ion:152 Resp: 77558
Ion Ratio Lower Upper
152 100
150 162.4 124.1 186.1
115 65.0 50.1 75.1



#5
2-Fluorophenol
Concen: 98.026 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

Tgt Ion:112 Resp: 438547
Ion Ratio Lower Upper
112 100
64 64.2 53.9 80.9
63 35.6 29.4 44.2

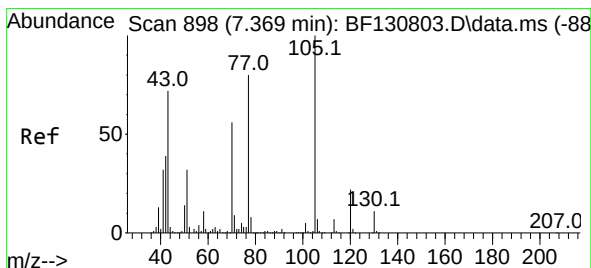
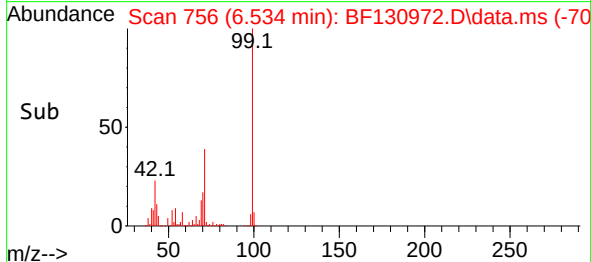
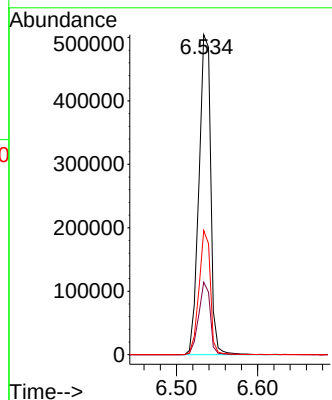
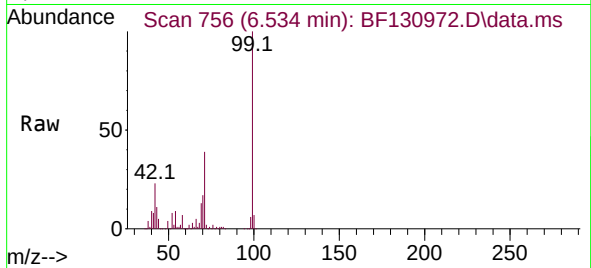




#7
Phenol-d6
Concen: 87.714 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

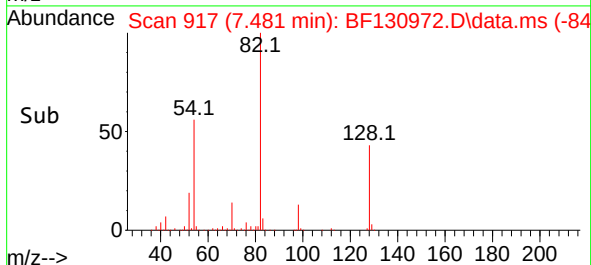
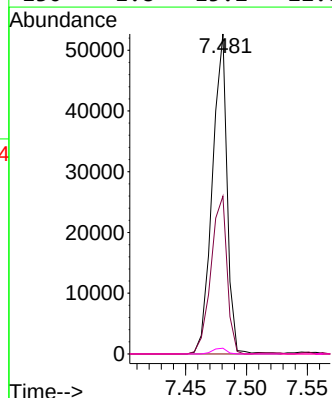
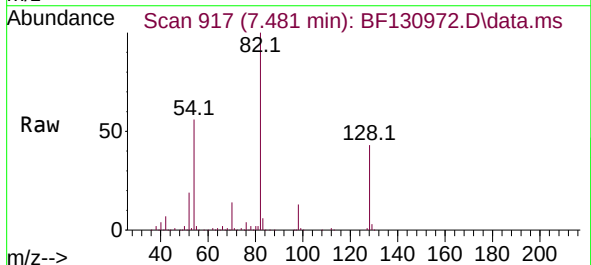
Instrument :
BNA_F
ClientSampleId :
TP-F

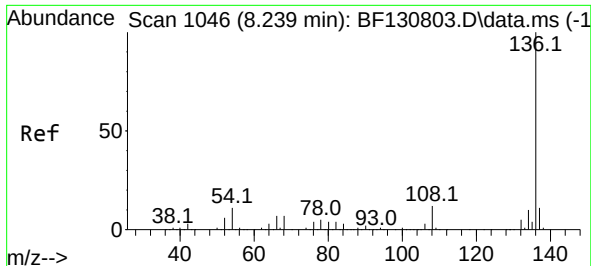
Tgt Ion: 99 Resp: 509939
Ion Ratio Lower Upper
99 100
42 22.6 18.8 28.2
71 38.8 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.227 ng
RT: 7.481 min Scan# 917
Delta R.T. 0.153 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

Tgt Ion: 70 Resp: 44409
Ion Ratio Lower Upper
70 100
42 49.3 56.1 84.1#
101 0.0 7.3 10.9#
130 1.8 15.2 22.8#

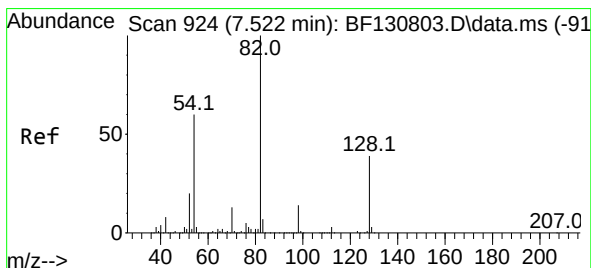
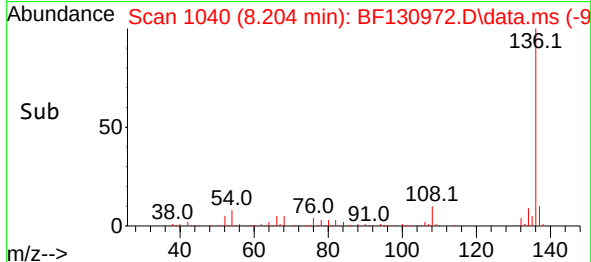
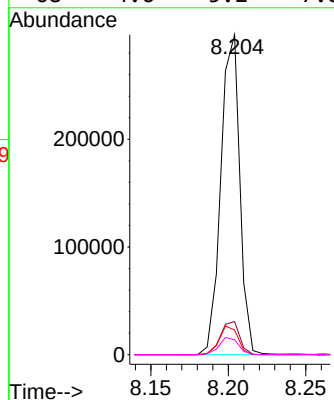
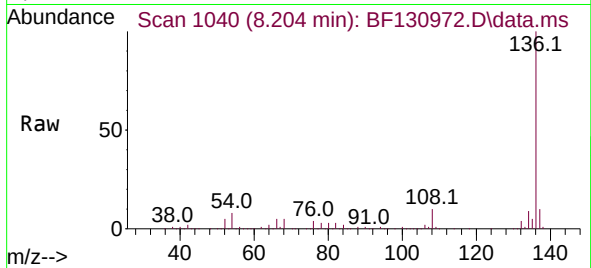




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

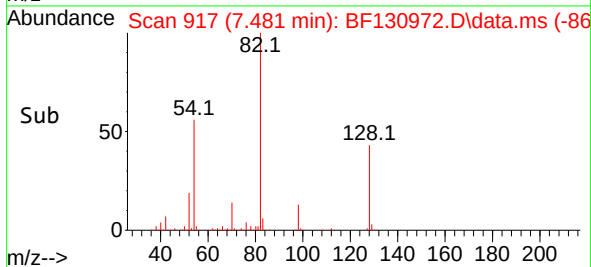
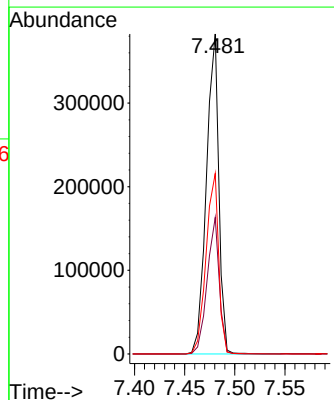
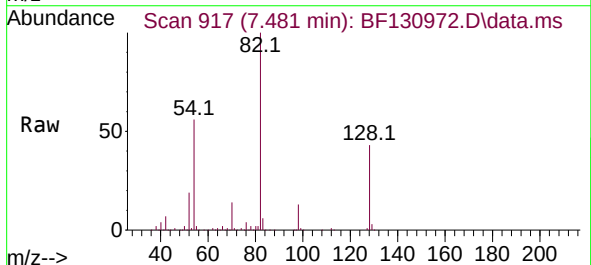
Instrument :
BNA_F
ClientSampleId :
TP-F

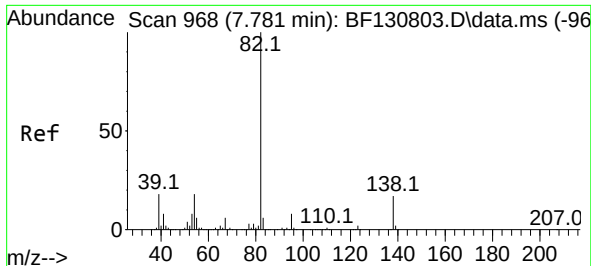
Tgt Ion:136 Resp: 252786
Ion Ratio Lower Upper
136 100
137 10.4 9.2 13.8
54 7.7 8.8 13.2#
68 4.6 5.2 7.8#



#23
Nitrobenzene-d5
Concen: 79.109 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

Tgt Ion: 82 Resp: 331644
Ion Ratio Lower Upper
82 100
128 42.6 31.2 46.8
54 56.4 48.0 72.0

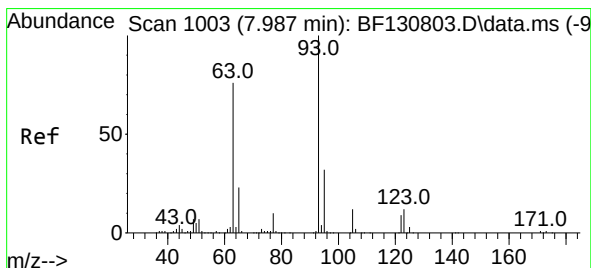
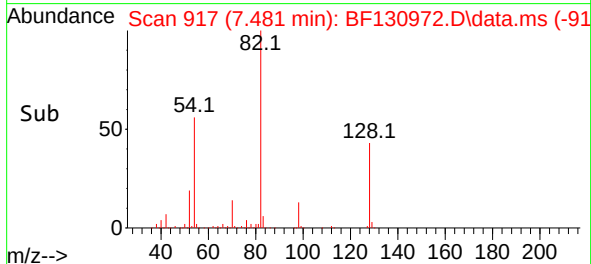
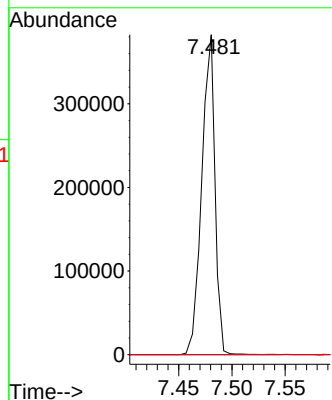
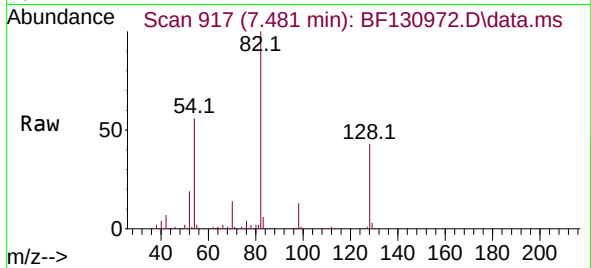




#25
Isophorone
Concen: 38.362 ng
RT: 7.481 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

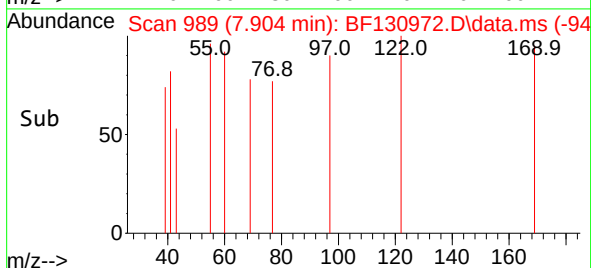
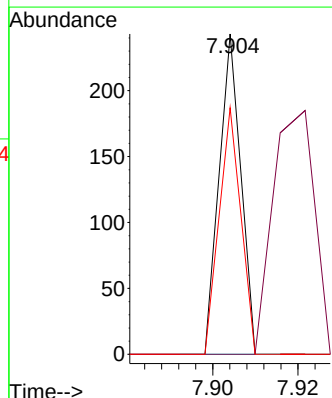
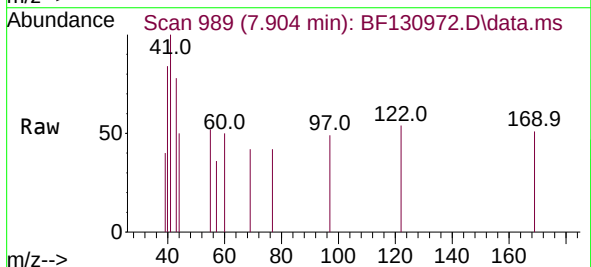
Instrument :
BNA_F
ClientSampleId :
TP-F

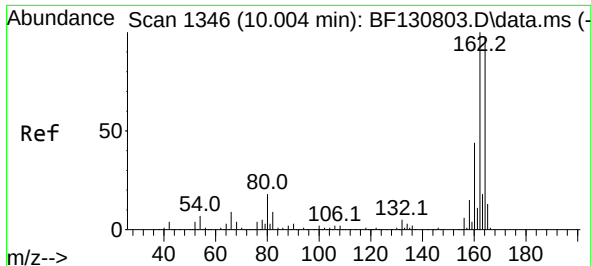
Tgt Ion: 82 Resp: 331637
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.708 ng
RT: 7.904 min Scan# 989
Delta R.T. -0.059 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

Tgt Ion: 122 Resp: 86
Ion Ratio Lower Upper
122 100
105 0.0 114.5 154.5#
77 77.0 89.8 129.8#

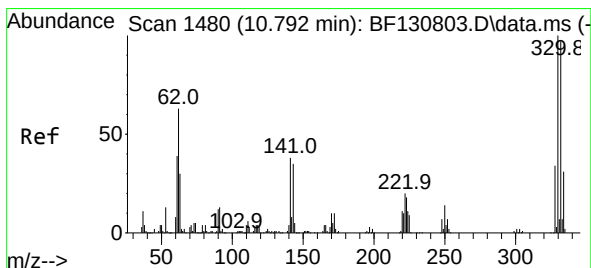
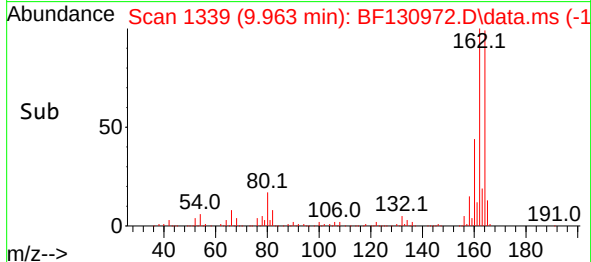
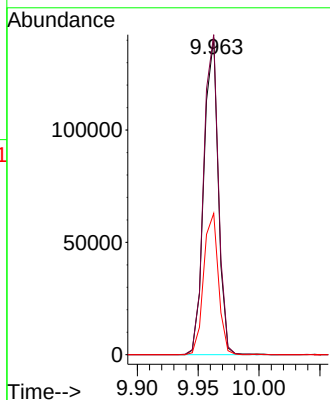
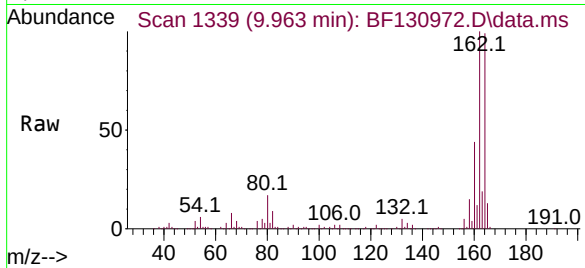




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

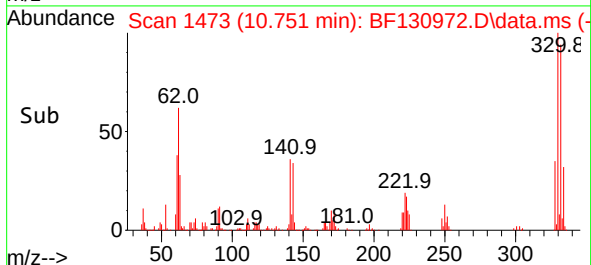
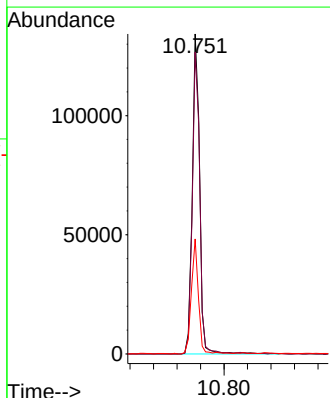
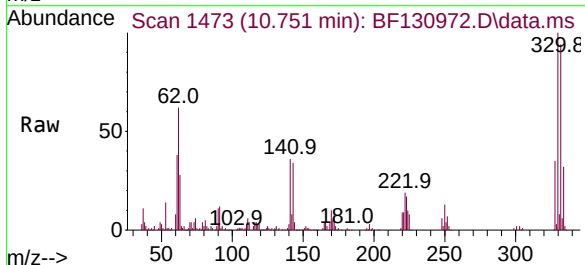
Instrument :
BNA_F
ClientSampleId :
TP-F

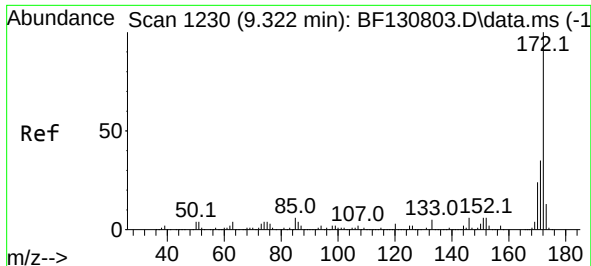
Tgt Ion:164 Resp: 115636
Ion Ratio Lower Upper
164 100
162 101.0 82.2 123.2
160 44.6 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 119.241 ng
RT: 10.751 min Scan# 1473
Delta R.T. -0.006 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

Tgt Ion:330 Resp: 116072
Ion Ratio Lower Upper
330 100
332 94.8 76.2 114.4
141 34.7 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 69.018 ng

RT: 9.280 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130972.D

Acq: 03 Nov 2022 22:00

Instrument :

BNA_F

ClientSampleId :

TP-F

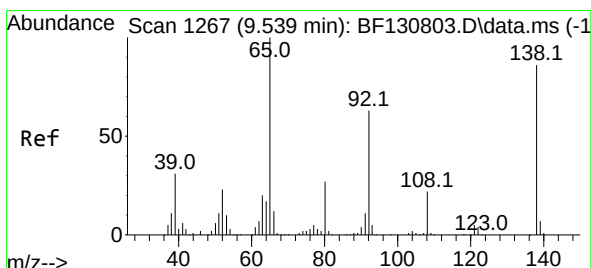
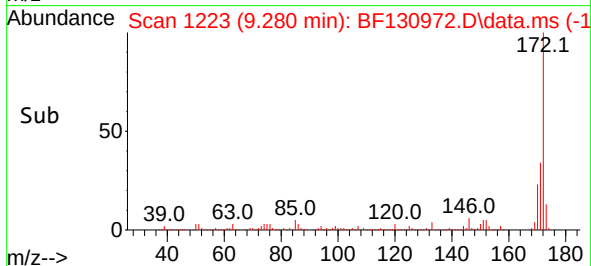
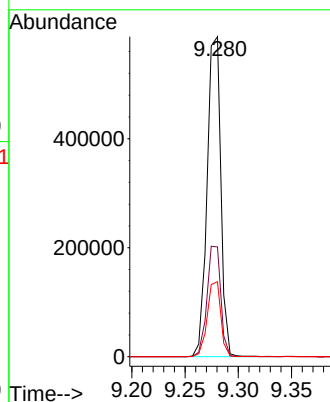
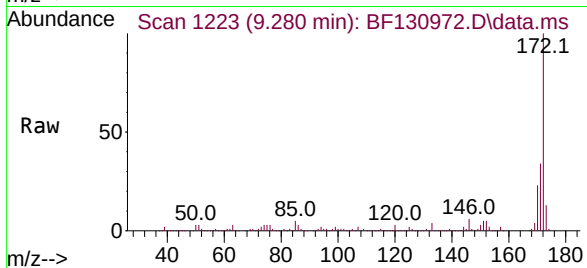
Tgt Ion:172 Resp: 527885

Ion Ratio Lower Upper

172 100

171 34.3 28.1 42.1

170 23.4 19.0 28.4



#48

2-Nitroaniline

Concen: 4.184 ng

RT: 9.492 min Scan# 1259

Delta R.T. -0.012 min

Lab File: BF130972.D

Acq: 03 Nov 2022 22:00

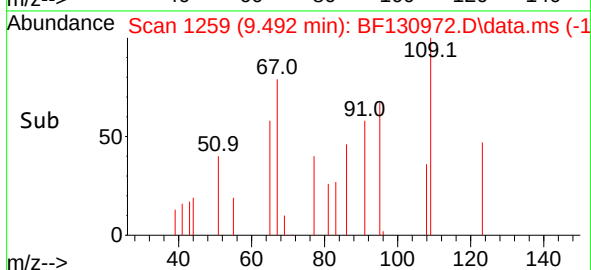
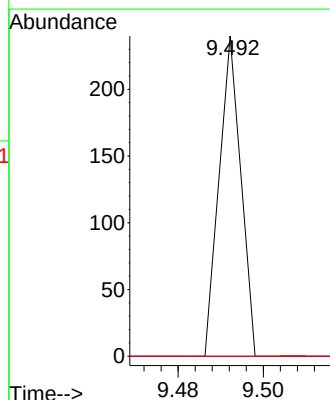
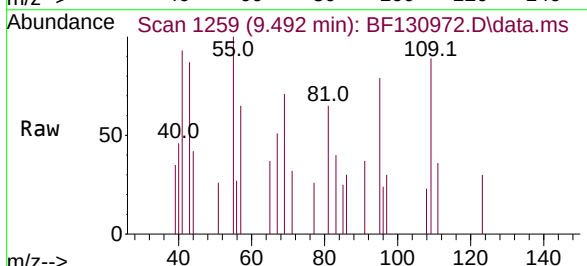
Tgt Ion: 65 Resp: 85

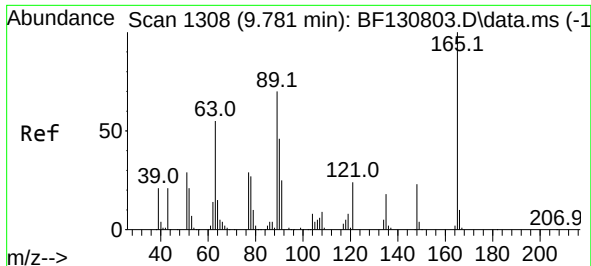
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 69.2 103.8#

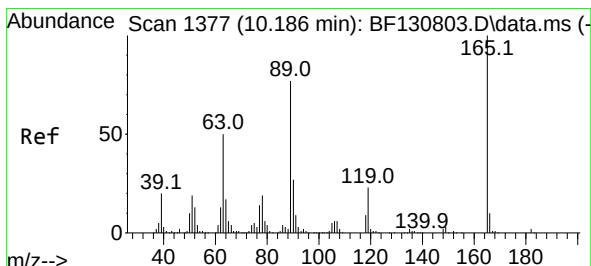
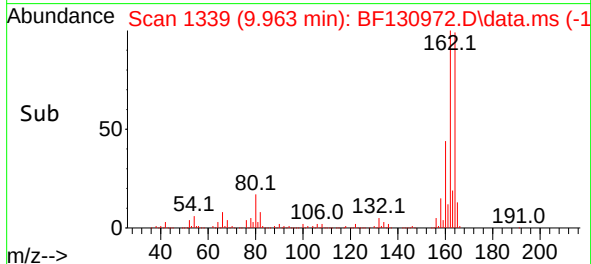
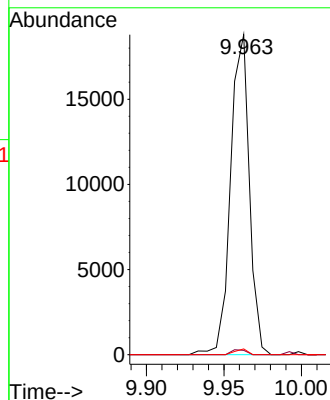
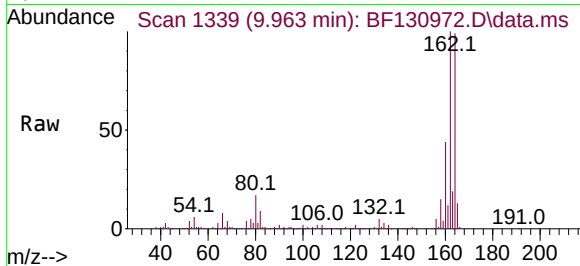




#51
2,6-Dinitrotoluene
Concen: 12.661 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.217 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

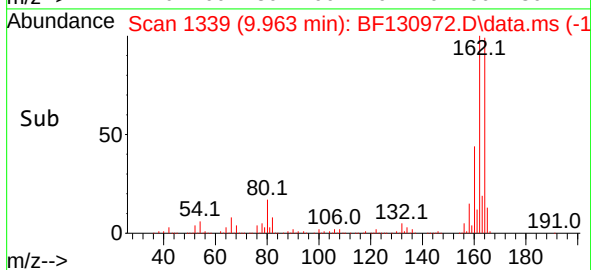
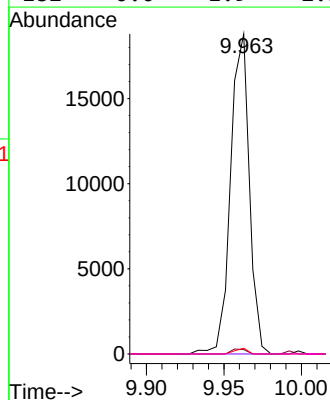
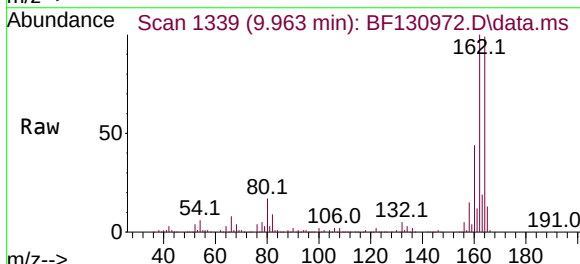
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BNA_F
ClientSampleId :
TP-F

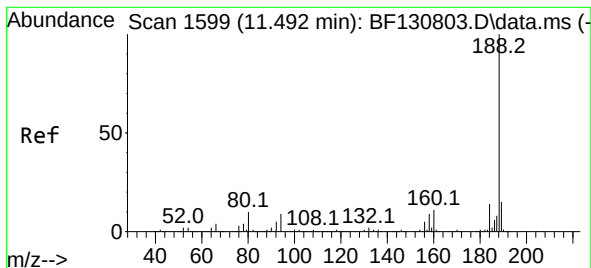
Tgt Ion:165 Resp: 15825
Ion Ratio Lower Upper
165 100
63 1.3 61.8 92.8#
89 1.8 56.2 84.4#



#57
2,4-Dinitrotoluene
Concen: 11.404 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.188 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

Tgt Ion:165 Resp: 15825
Ion Ratio Lower Upper
165 100
63 1.3 39.8 59.6#
89 1.8 61.9 92.9#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130972.D

Acq: 03 Nov 2022 22:00

Instrument :

BNA_F

ClientSampleId :

TP-F

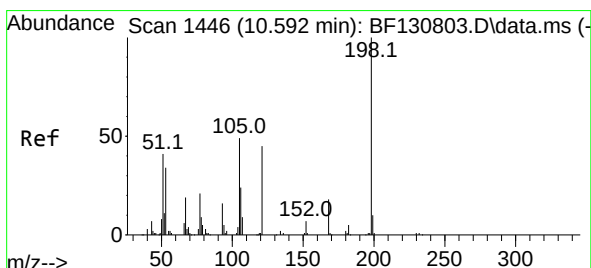
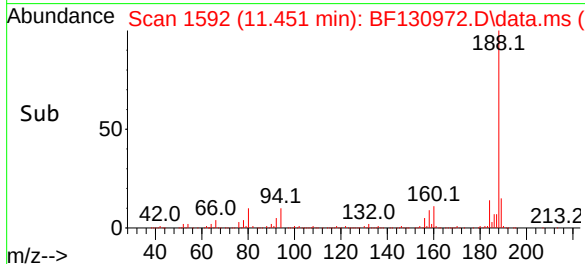
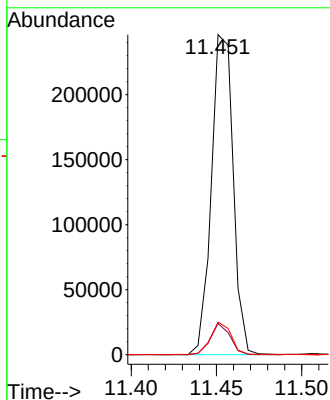
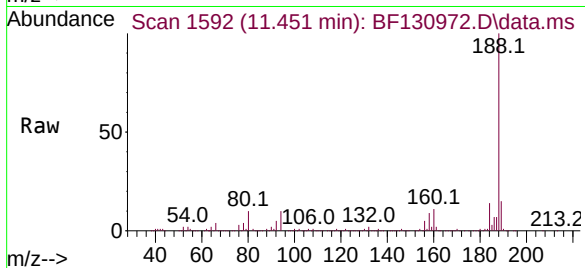
Tgt Ion:188 Resp: 219075

Ion Ratio Lower Upper

188 100

94 9.8 7.4 11.2

80 10.2 8.0 12.0



#65

4,6-Dinitro-2-methylphenol

Concen: 8.160 ng

RT: 10.751 min Scan# 1473

Delta R.T. 0.188 min

Lab File: BF130972.D

Acq: 03 Nov 2022 22:00

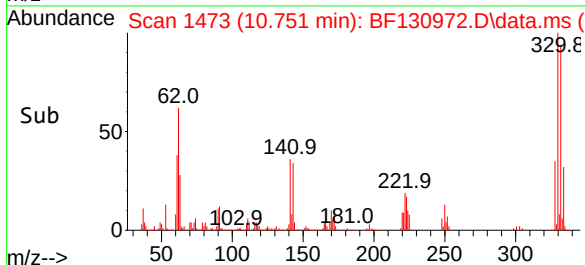
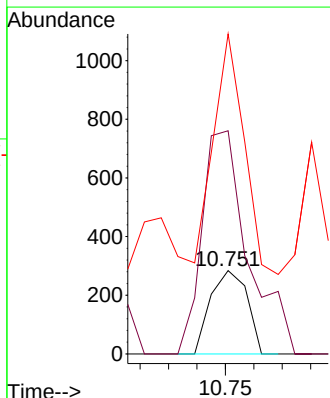
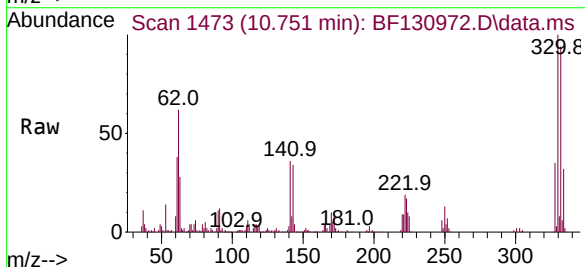
Tgt Ion:198 Resp: 254

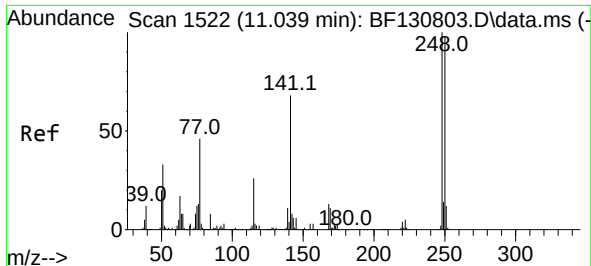
Ion Ratio Lower Upper

198 100

51 268.0 39.0 79.0#

105 384.2 30.6 70.6#

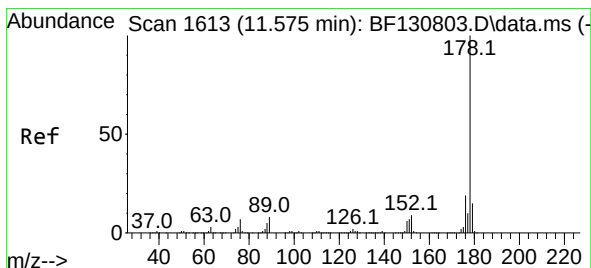
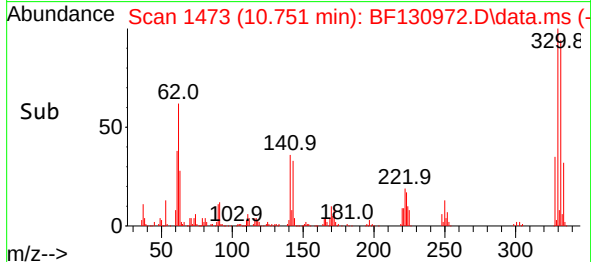
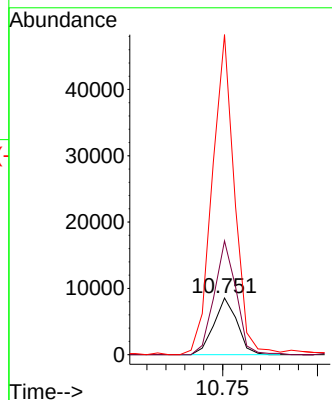
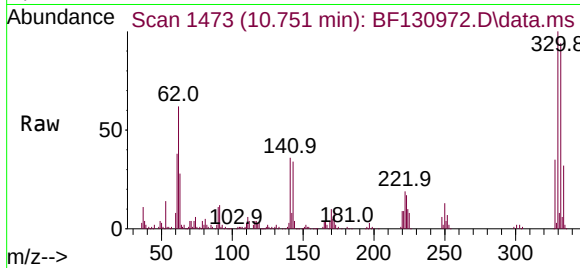




#67
4-Bromophenyl-phenylether
Concen: 3.318 ng
RT: 10.751 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

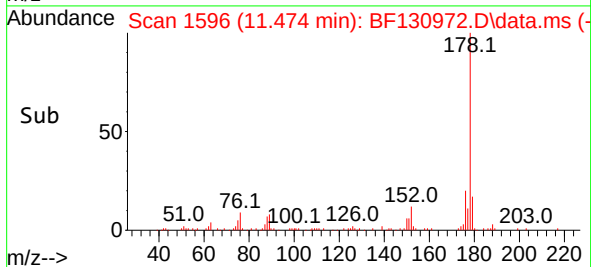
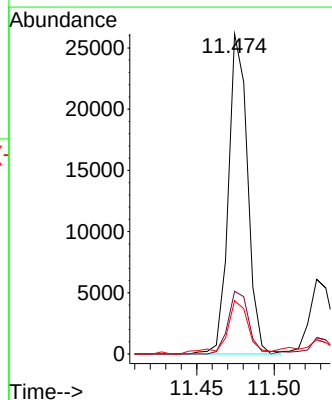
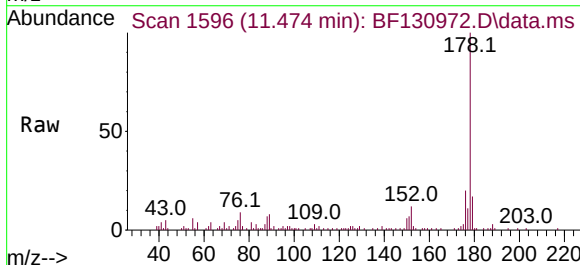
Instrument :
BNA_F
ClientSampleId :
TP-F

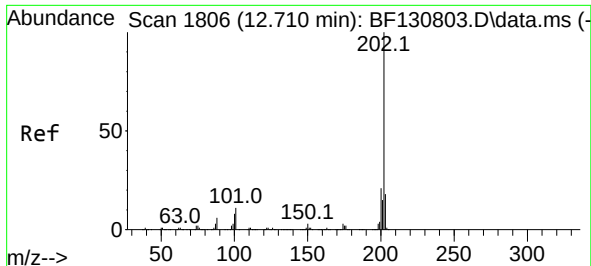
Tgt Ion:248 Resp: 7309
Ion Ratio Lower Upper
248 100
250 200.9 78.6 117.8#
141 565.0 54.2 81.4#



#72
Anthracene
Concen: 2.006 ng
RT: 11.474 min Scan# 1596
Delta R.T. -0.059 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

Tgt Ion:178 Resp: 22371
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 16.6 12.2 18.4

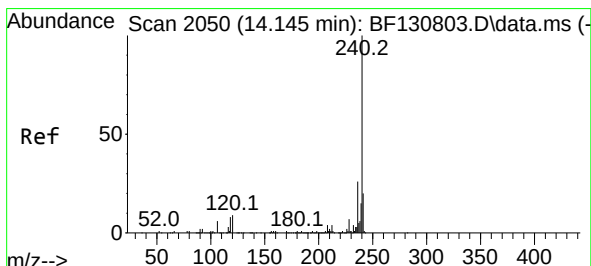
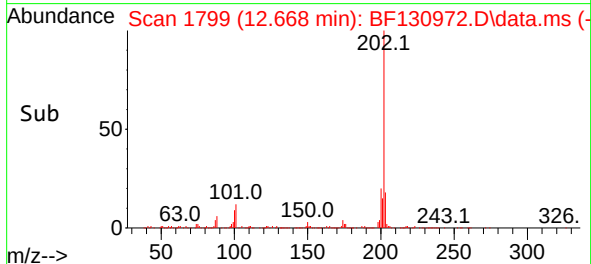
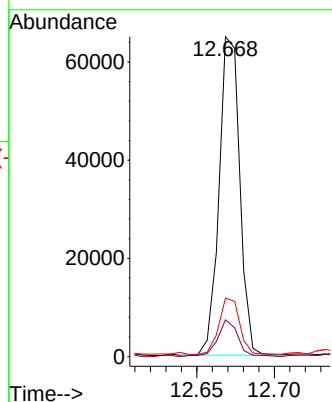
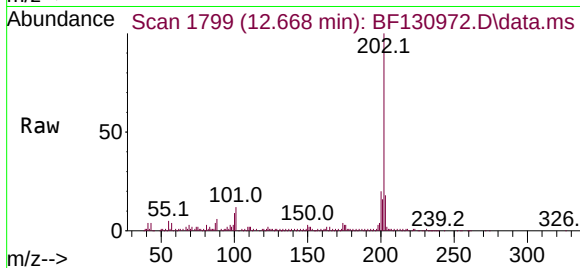




#75
Fluoranthene
Concen: 5.010 ng
RT: 12.668 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

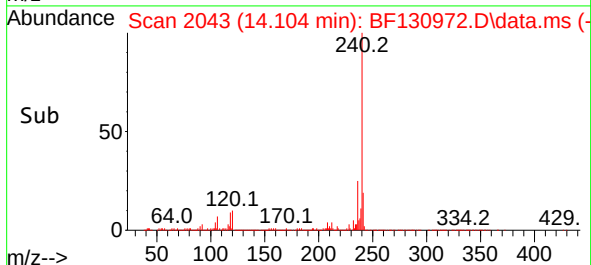
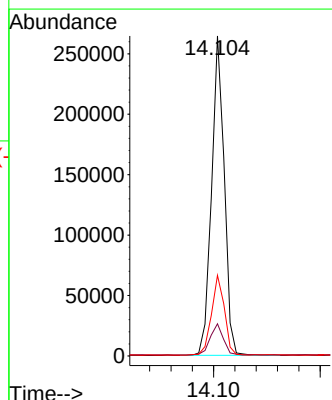
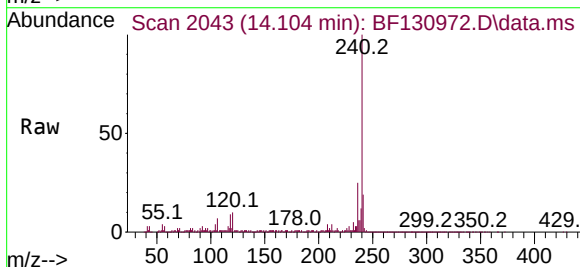
Instrument :
BNA_F
ClientSampleId :
TP-F

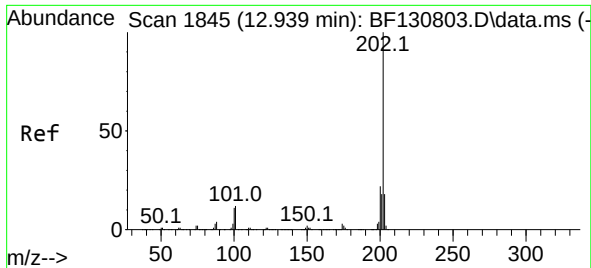
Tgt Ion:202 Resp: 60189
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.9
203 18.3 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.000 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

Tgt Ion:240 Resp: 218035
Ion Ratio Lower Upper
240 100
120 10.0 7.0 10.4
236 25.2 20.5 30.7

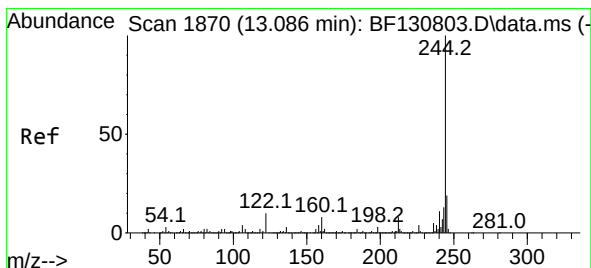
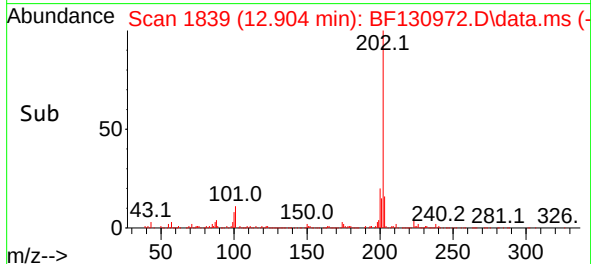
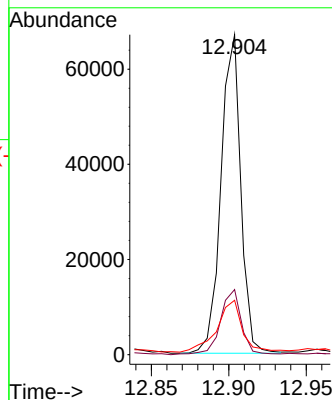
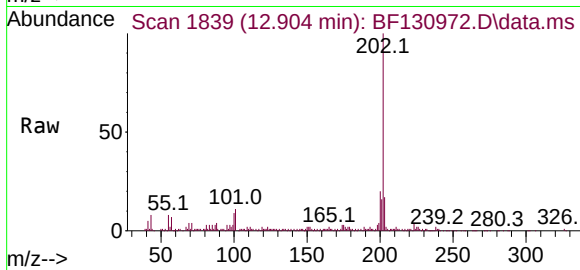




#78
Pyrene
Concen: 3.231 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

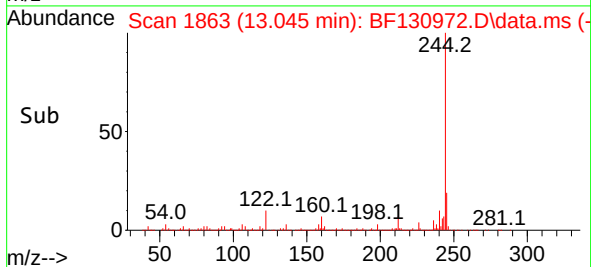
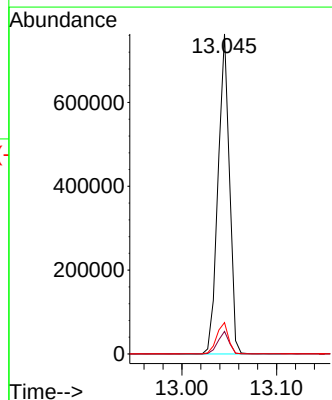
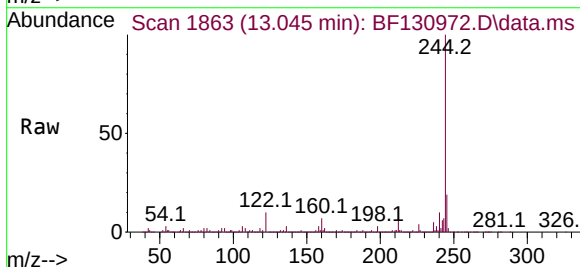
Instrument :
BNA_F
ClientSampleId :
TP-F

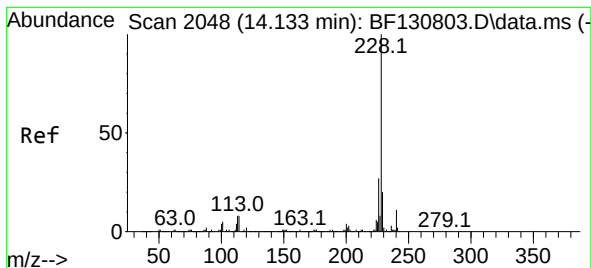
Tgt Ion:202 Resp: 59439
Ion Ratio Lower Upper
202 100
200 20.3 17.2 25.8
203 17.0 14.5 21.7



#79
Terphenyl-d14
Concen: 53.516 ng
RT: 13.045 min Scan# 1863
Delta R.T. -0.000 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

Tgt Ion:244 Resp: 636766
Ion Ratio Lower Upper
244 100
212 7.0 6.2 9.2
122 9.8 7.9 11.9





#81

Benzo(a)anthracene

Concen: 2.521 ng

RT: 14.092 min Scan# 2041

Delta R.T. -0.006 min

Lab File: BF130972.D

Acq: 03 Nov 2022 22:00

Instrument :

BNA_F

ClientSampleId :

TP-F

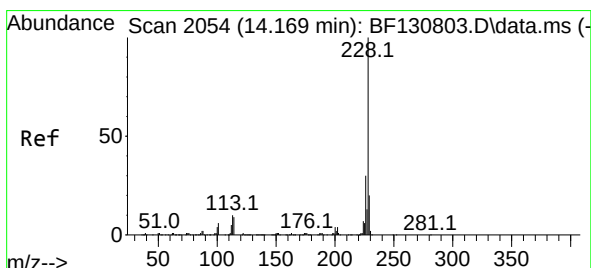
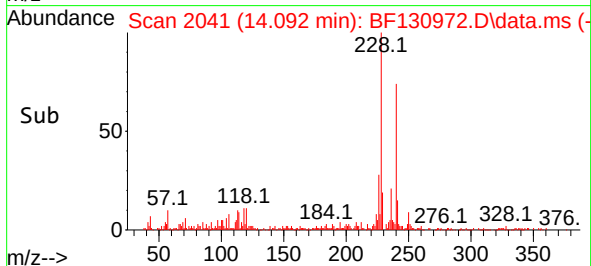
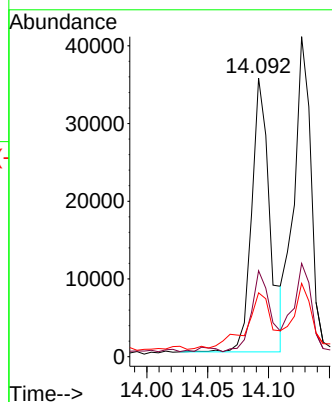
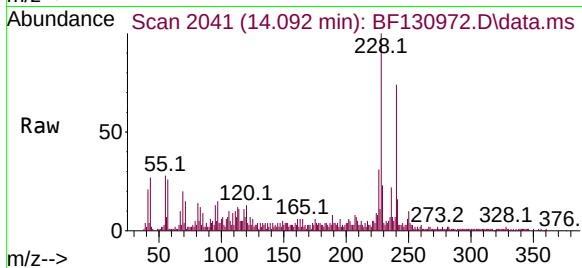
Tgt Ion:228 Resp: 36436

Ion Ratio Lower Upper

228 100

226 30.8 21.4 32.2

229 22.9 15.8 23.6



#83

Chrysene

Concen: 2.855 ng

RT: 14.127 min Scan# 2047

Delta R.T. -0.006 min

Lab File: BF130972.D

Acq: 03 Nov 2022 22:00

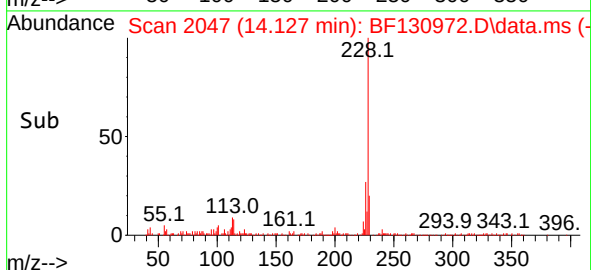
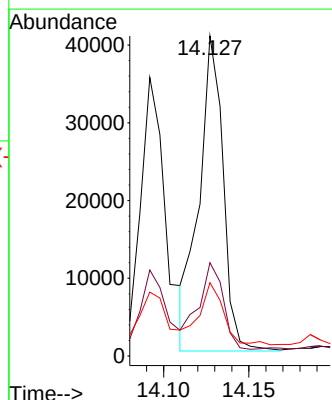
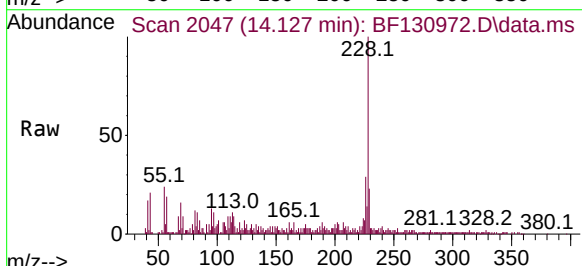
Tgt Ion:228 Resp: 39808

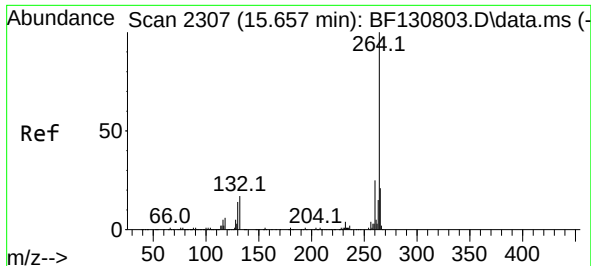
Ion Ratio Lower Upper

228 100

226 29.1 23.9 35.9

229 22.9 15.8 23.6

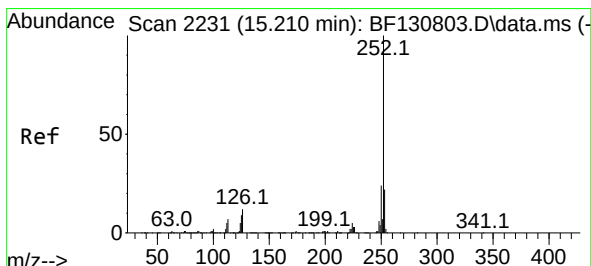
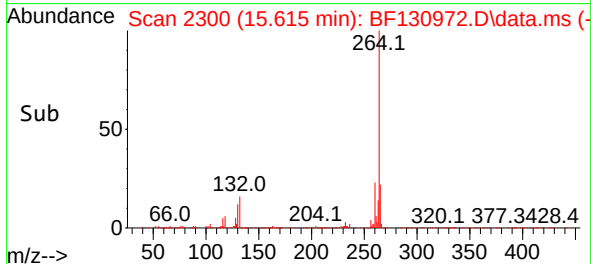
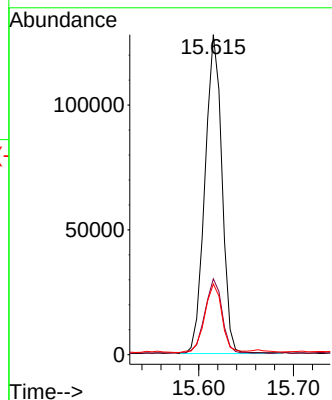
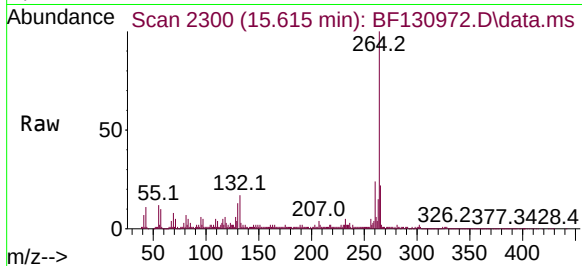




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.615 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

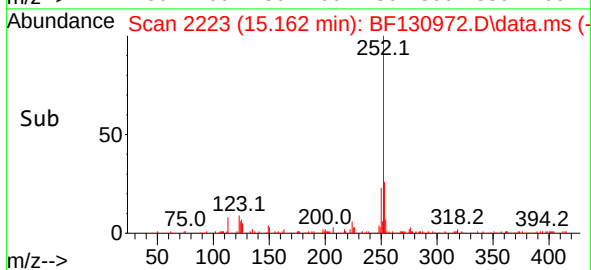
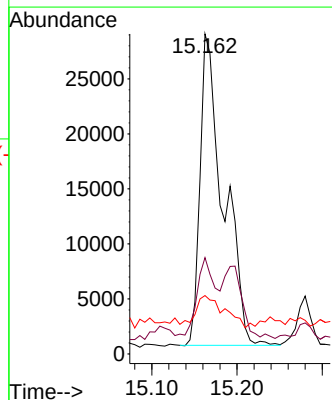
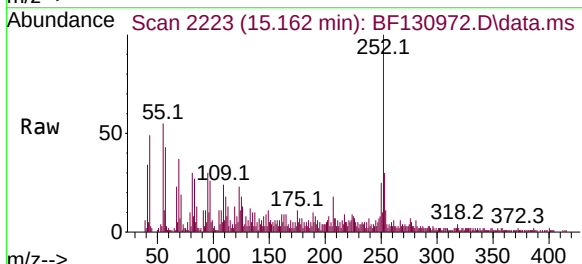
Instrument :
BNA_F
ClientSampleId :
TP-F

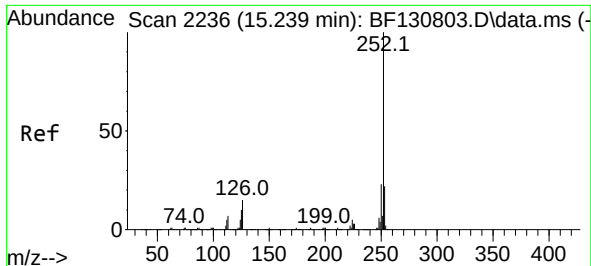
Tgt Ion:264 Resp: 158650
Ion Ratio Lower Upper
264 100
260 23.7 19.9 29.9
265 22.1 17.0 25.6



#88
Benzo(b)fluoranthene
Concen: 5.234 ng
RT: 15.162 min Scan# 2223
Delta R.T. -0.000 min
Lab File: BF130972.D
Acq: 03 Nov 2022 22:00

Tgt Ion:252 Resp: 53675
Ion Ratio Lower Upper
252 100
253 30.1 17.5 26.3#
125 18.3 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 5.371 ng

RT: 15.162 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF130972.D

Acq: 03 Nov 2022 22:00

Instrument :

BNA_F

ClientSampleId :

TP-F

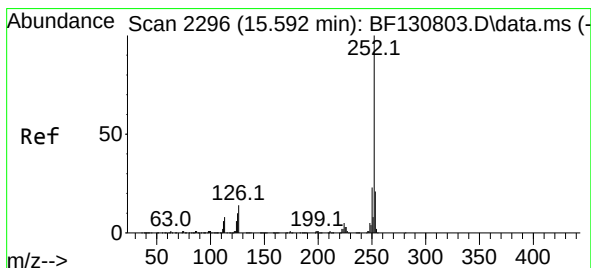
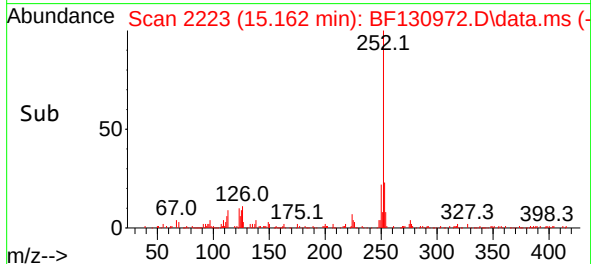
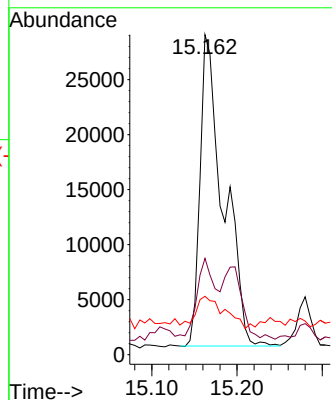
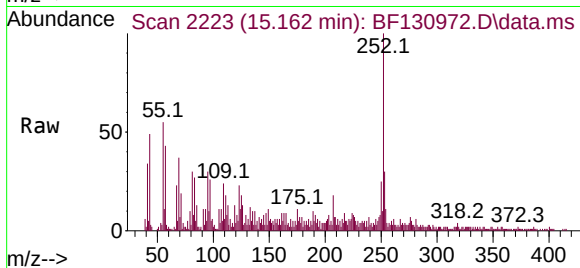
Tgt Ion:252 Resp: 53675

Ion Ratio Lower Upper

252 100

253 30.1 17.5 26.3#

125 18.3 8.0 12.0#



#90

Benzo(a)pyrene

Concen: 2.854 ng

RT: 15.545 min Scan# 2288

Delta R.T. -0.000 min

Lab File: BF130972.D

Acq: 03 Nov 2022 22:00

Tgt Ion:252 Resp: 23528

Ion Ratio Lower Upper

252 100

253 29.1 16.8 25.2#

125 23.4 8.3 12.5#

