

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
 Data File : BF130977.D
 Acq On : 04 Nov 2022 00:37
 Operator : CG\JU
 Sample : N5418-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-L

Quant Time: Nov 04 06:25:11 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

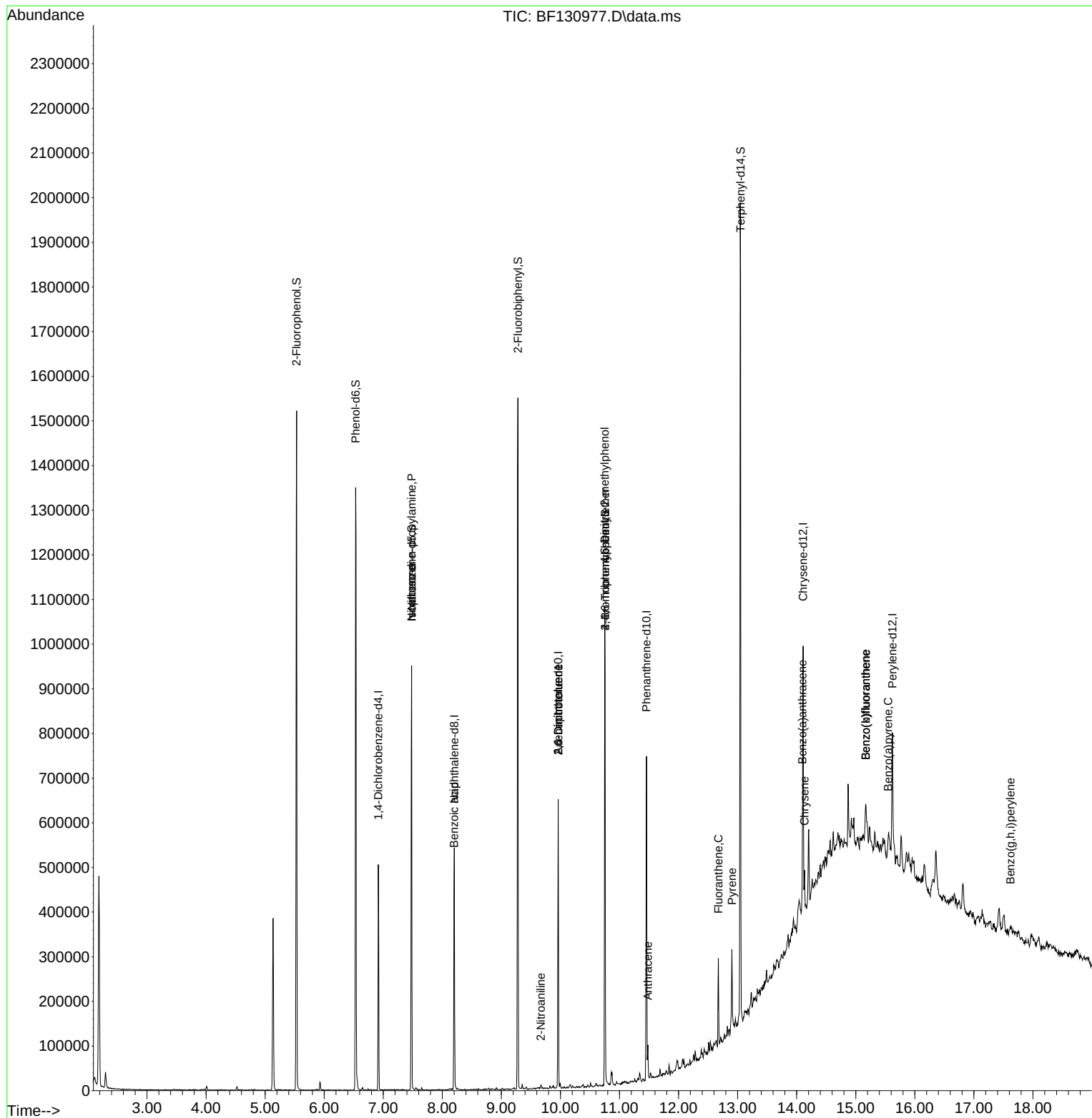
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	65989	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	220493	20.000	ng	# 0.00
39) Acenaphthene-d10	9.963	164	113861	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	236803	20.000	ng	0.00
76) Chrysene-d12	14.110	240	196989	20.000	ng	0.00
86) Perylene-d12	15.621	264	125147	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	372440	97.845	ng	0.00
7) Phenol-d6	6.534	99	427972	86.521	ng	0.00
23) Nitrobenzene-d5	7.481	82	268332	73.382	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	122145	127.436	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	461594	61.292	ng	0.00
79) Terphenyl-d14	13.051	244	642506	59.768	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.481	70	36705	10.906	ng	# 76
25) Isophorone	7.481	82	268329	35.585	ng	# 66
32) Benzoic acid	8.198	122	54	7.700	ng	# 1
48) 2-Nitroaniline	9.669	65	72	4.178	ng	# 12
51) 2,6-Dinitrotoluene	9.963	165	14608	12.044	ng	# 14
57) 2,4-Dinitrotoluene	9.963	165	14608	10.923	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.751	198	296	8.178	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	7913	3.323	ng	# 1
72) Anthracene	11.480	178	24432	2.027	ng	98
75) Fluoranthene	12.674	202	71381	5.497	ng	98
78) Pyrene	12.904	202	65852	3.962	ng	97
81) Benzo(a)anthracene	14.098	228	29293	2.243	ng	# 88
83) Chrysene	14.133	228	40418	3.208	ng	# 94
88) Benzo(b)fluoranthene	15.168	252	43218	5.342	ng	# 74
89) Benzo(k)fluoranthene	15.168	252	43218	5.482	ng	# 75
90) Benzo(a)pyrene	15.551	252	18082	2.780	ng	# 70
92) Benzo(g,h,i)perylene	17.621	276	14382	2.081	ng	# 84

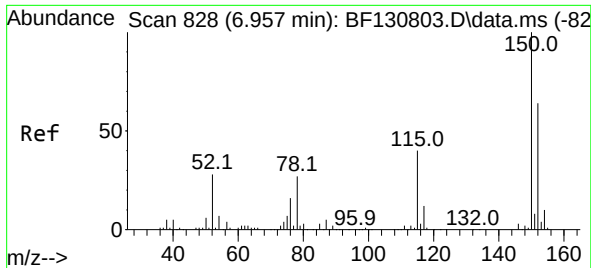
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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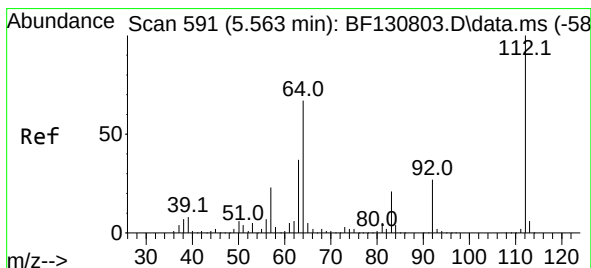
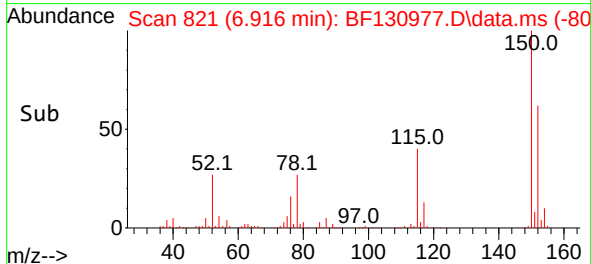
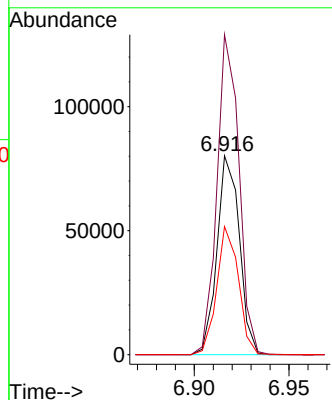
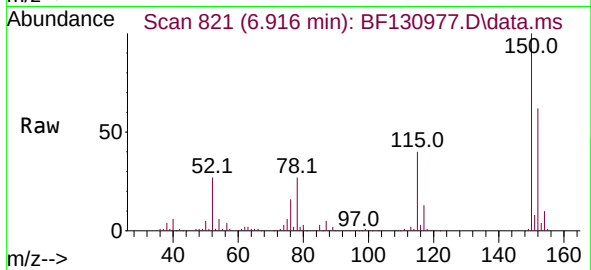




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

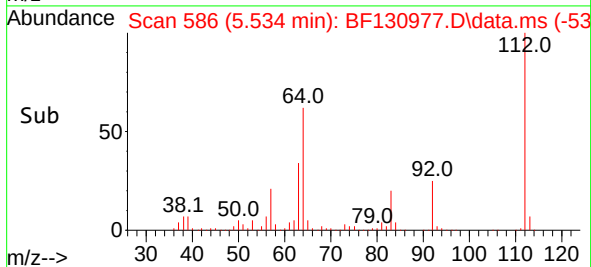
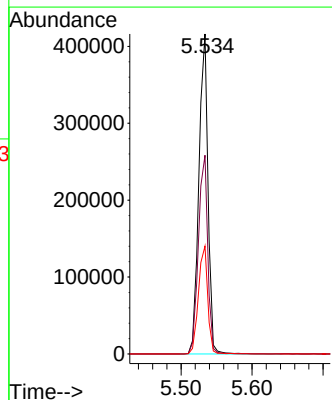
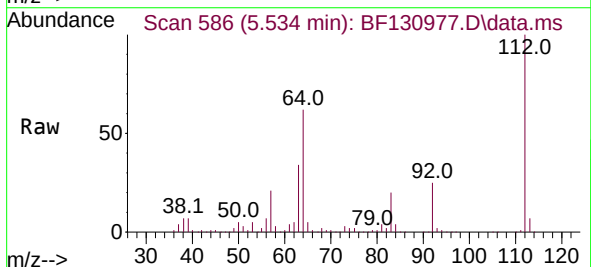
Instrument :
BNA_F
ClientSampleId :
TP-L

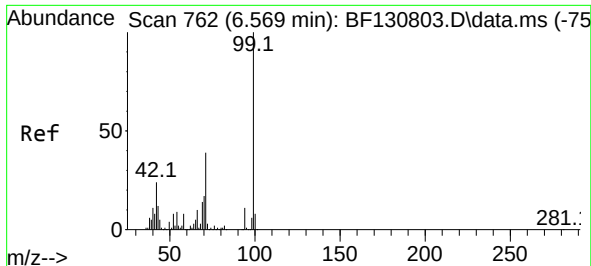
Tgt Ion:152 Resp: 65989
Ion Ratio Lower Upper
152 100
150 160.9 124.1 186.1
115 64.4 50.1 75.1



#5
2-Fluorophenol
Concen: 97.845 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

Tgt Ion:112 Resp: 372440
Ion Ratio Lower Upper
112 100
64 62.1 53.9 80.9
63 33.7 29.4 44.2

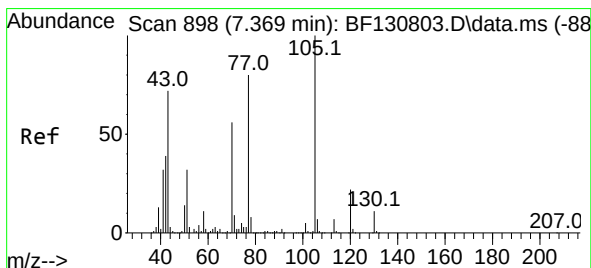
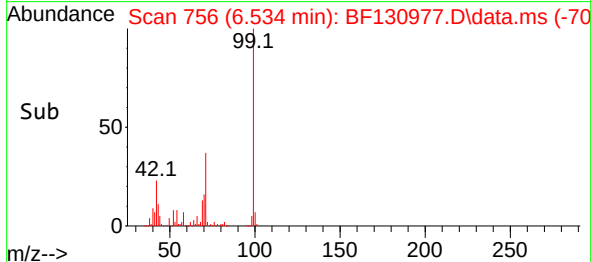
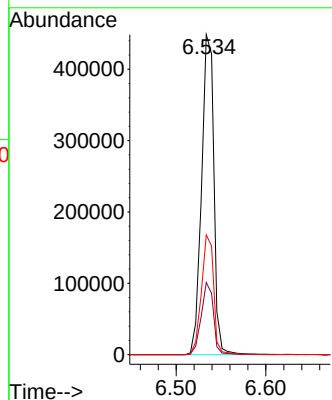
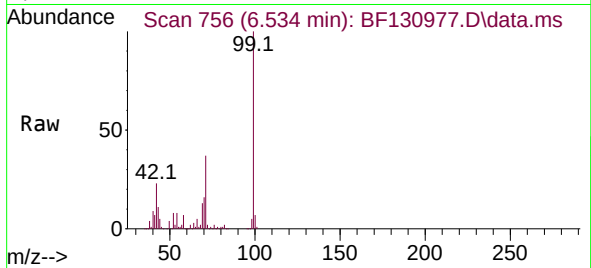




#7
Phenol-d6
Concen: 86.521 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

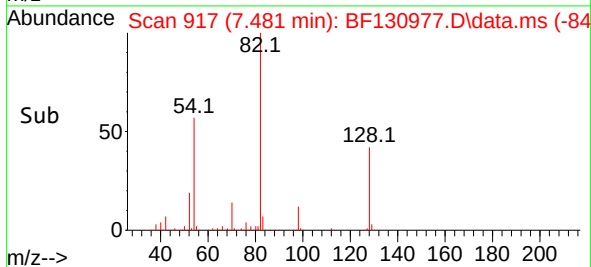
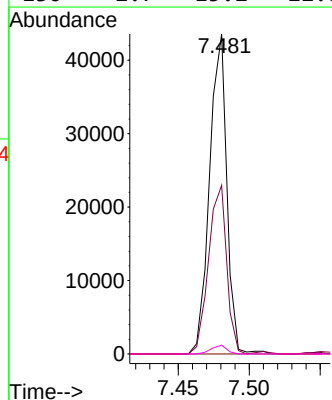
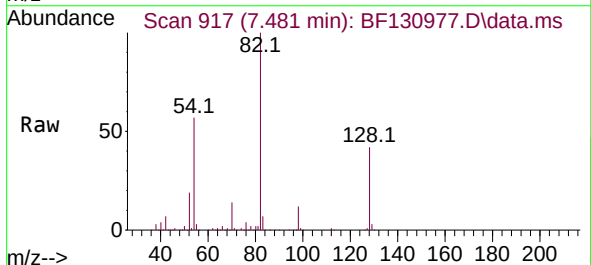
Instrument :
BNA_F
ClientSampleId :
TP-L

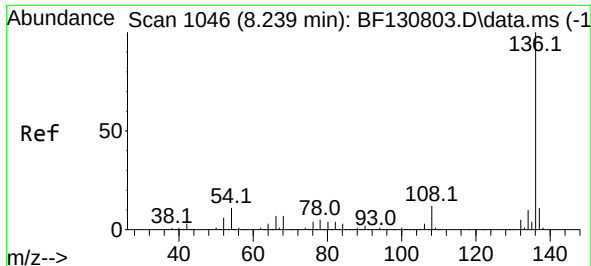
Tgt Ion: 99 Resp: 427972
Ion Ratio Lower Upper
99 100
42 22.5 18.8 28.2
71 37.5 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 10.906 ng
RT: 7.481 min Scan# 917
Delta R.T. 0.153 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

Tgt Ion: 70 Resp: 36705
Ion Ratio Lower Upper
70 100
42 52.7 56.1 84.1#
101 0.0 7.3 10.9#
130 2.7 15.2 22.8#

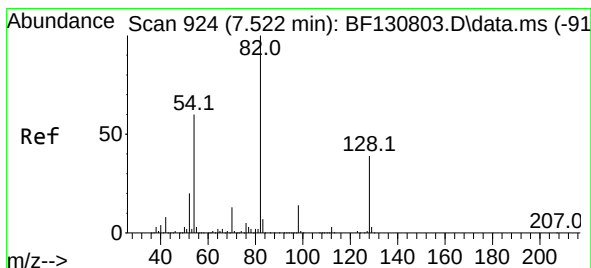
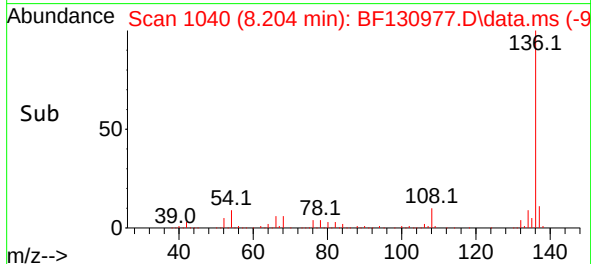
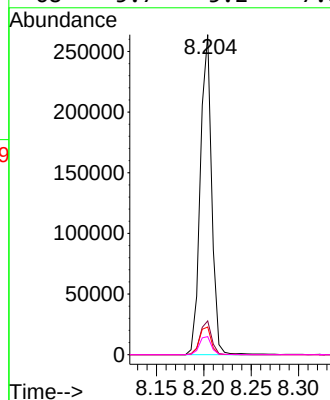
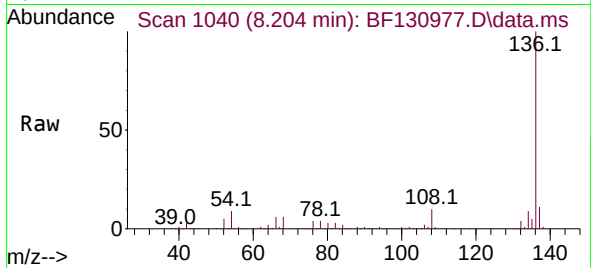




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

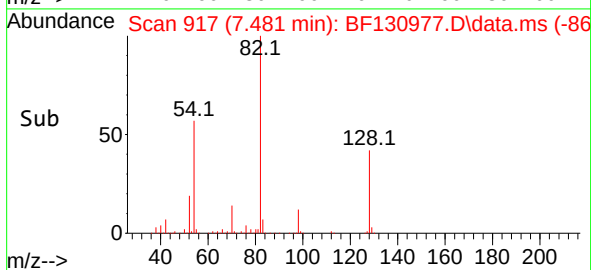
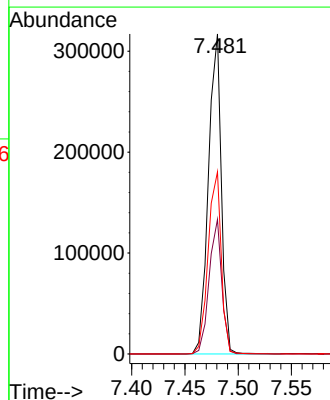
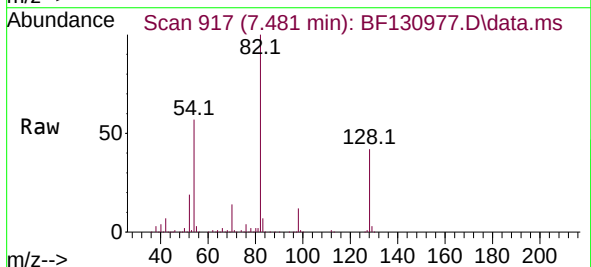
Instrument :
BNA_F
ClientSampleId :
TP-L

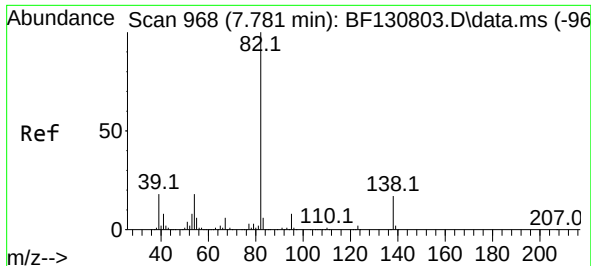
Tgt Ion:136 Resp: 220493
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 8.7 8.8 13.2#
68 5.7 5.2 7.8



#23
Nitrobenzene-d5
Concen: 73.382 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

Tgt Ion: 82 Resp: 268332
Ion Ratio Lower Upper
82 100
128 42.1 31.2 46.8
54 56.9 48.0 72.0

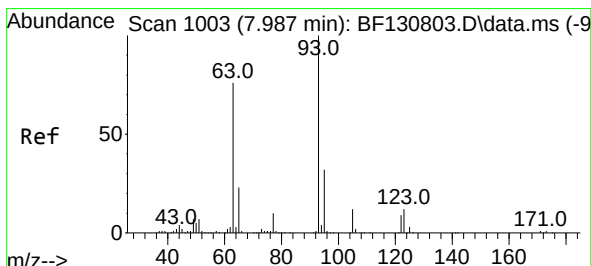
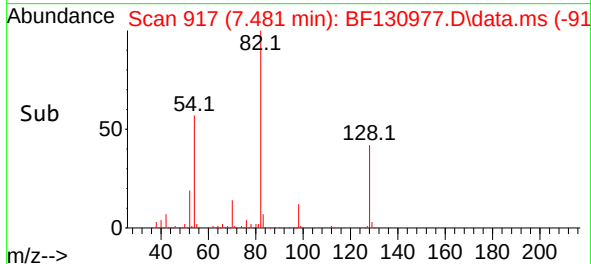
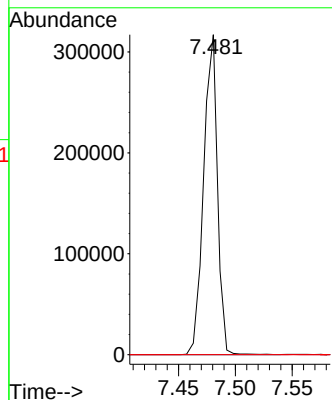
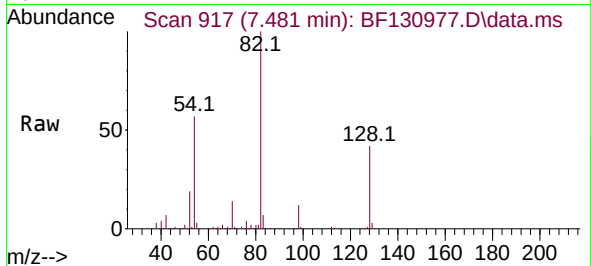




#25
Isophorone
Concen: 35.585 ng
RT: 7.481 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

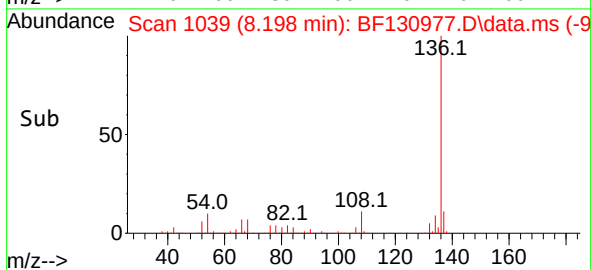
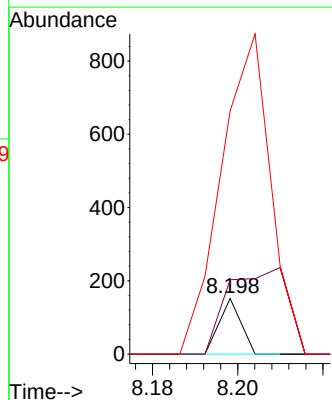
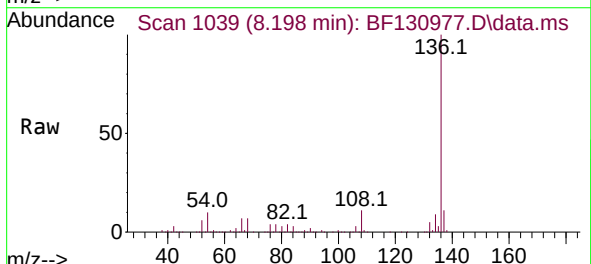
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ClientSampleId :
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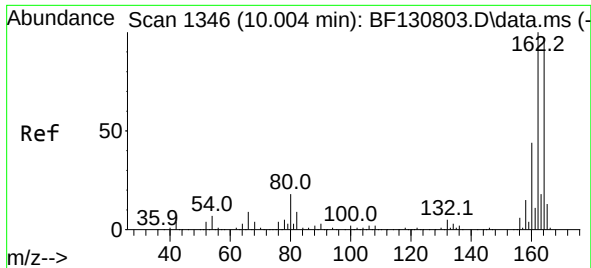
Tgt Ion: 82 Resp: 268329
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.700 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.235 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

Tgt Ion: 122 Resp: 54
Ion Ratio Lower Upper
122 100
105 133.6 114.5 154.5
77 436.8 89.8 129.8#

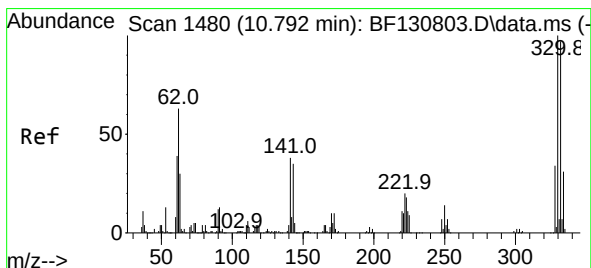
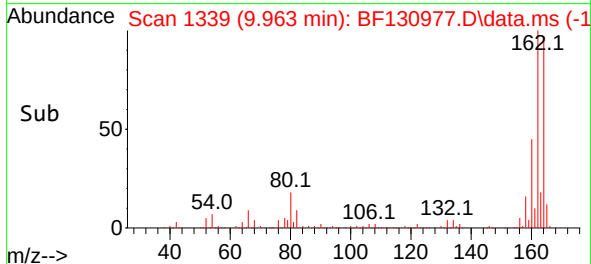
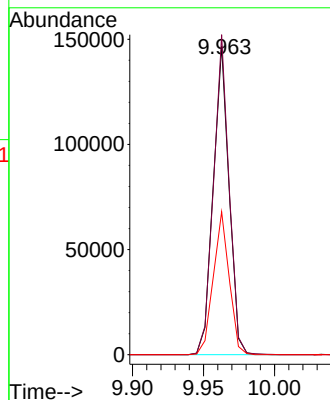
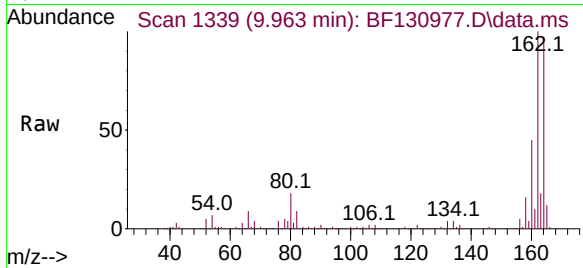




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

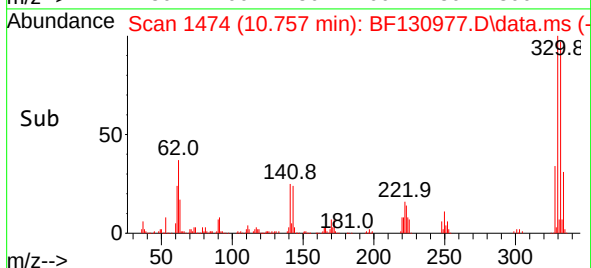
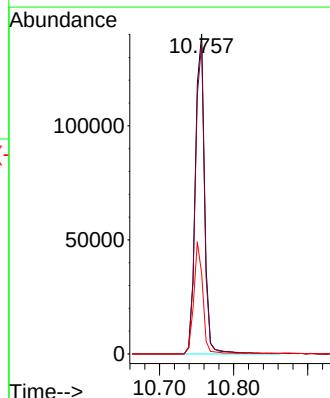
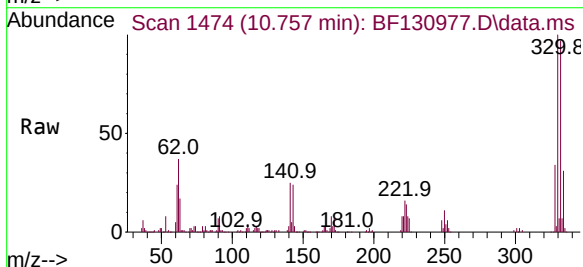
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BNA_F
ClientSampleId :
TP-L

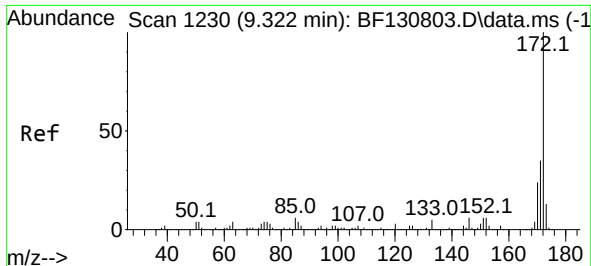
Tgt Ion:164 Resp: 113861
Ion Ratio Lower Upper
164 100
162 103.6 82.2 123.2
160 46.3 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 127.436 ng
RT: 10.757 min Scan# 1474
Delta R.T. -0.000 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

Tgt Ion:330 Resp: 122145
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 33.8 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 61.292 ng

RT: 9.280 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF130977.D

Acq: 04 Nov 2022 00:37

Instrument :

BNA_F

ClientSampleId :

TP-L

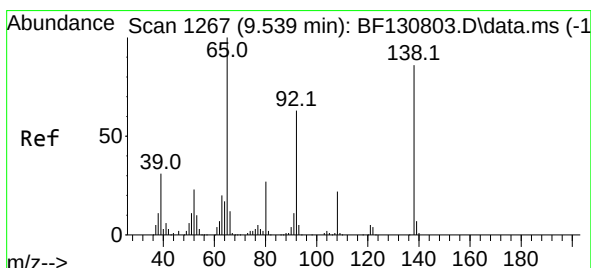
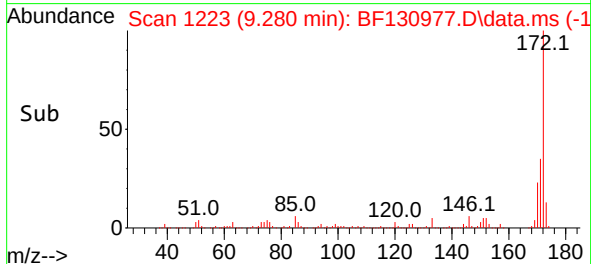
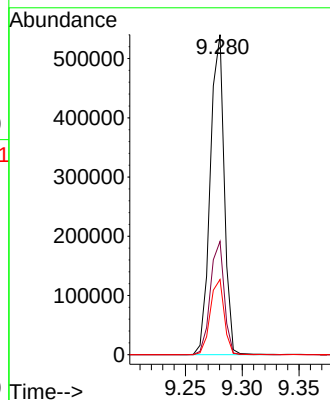
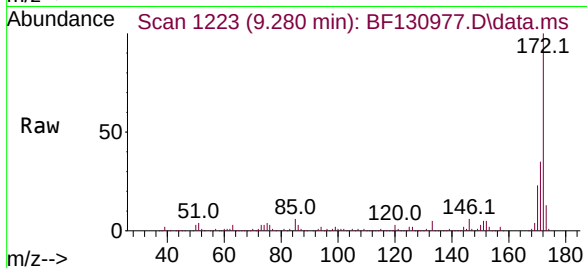
Tgt Ion:172 Resp: 461594

Ion Ratio Lower Upper

172 100

171 35.4 28.1 42.1

170 23.5 19.0 28.4



#48

2-Nitroaniline

Concen: 4.178 ng

RT: 9.669 min Scan# 1289

Delta R.T. 0.165 min

Lab File: BF130977.D

Acq: 04 Nov 2022 00:37

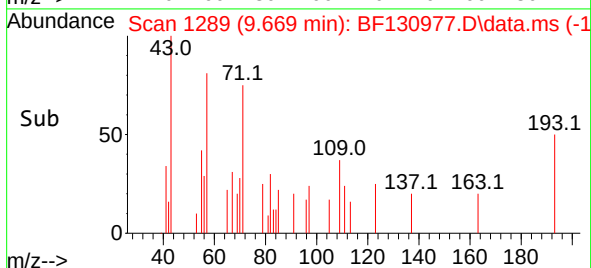
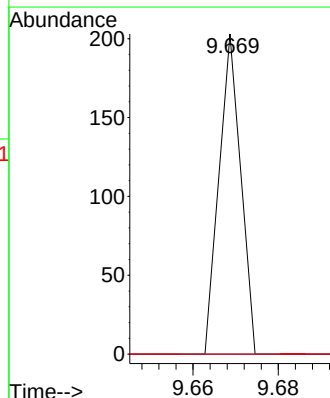
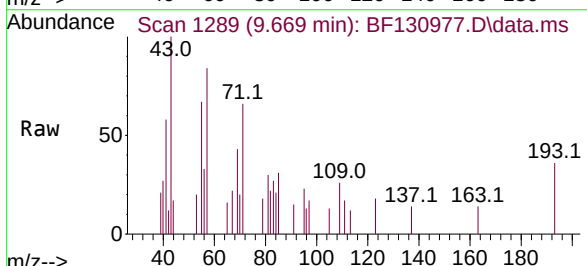
Tgt Ion: 65 Resp: 72

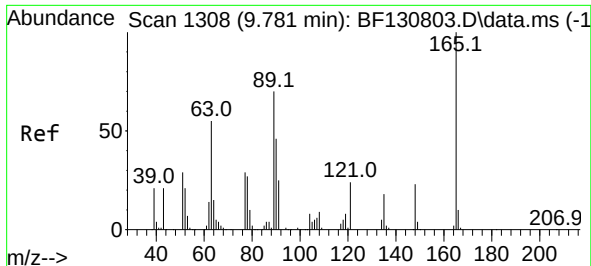
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 69.2 103.8#

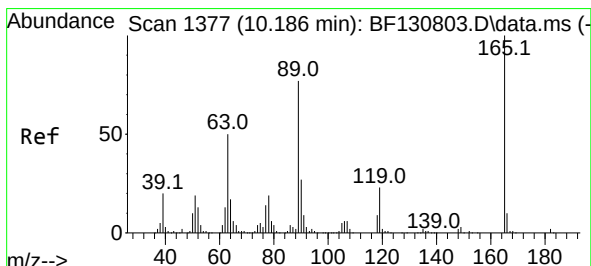
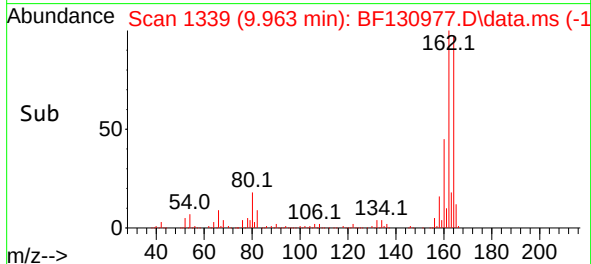
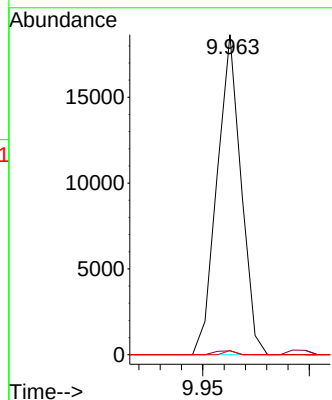
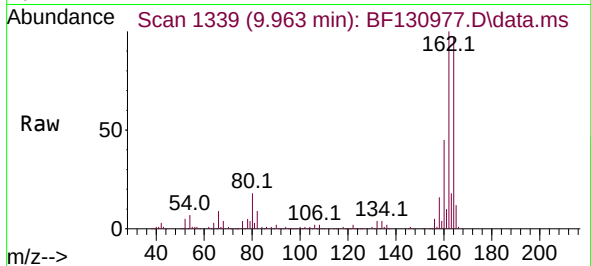




#51
2,6-Dinitrotoluene
Concen: 12.044 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

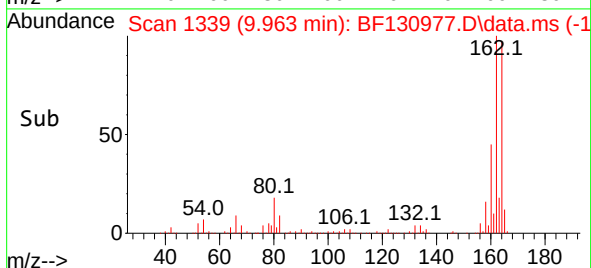
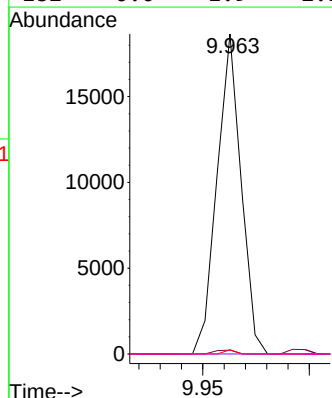
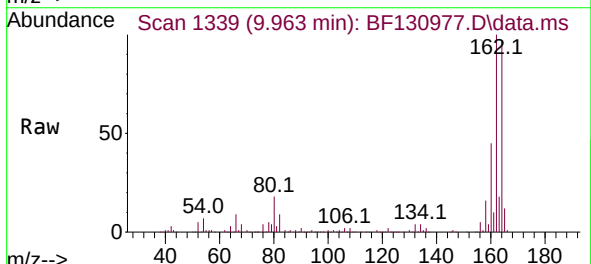
Instrument :
BNA_F
ClientSampleId :
TP-L

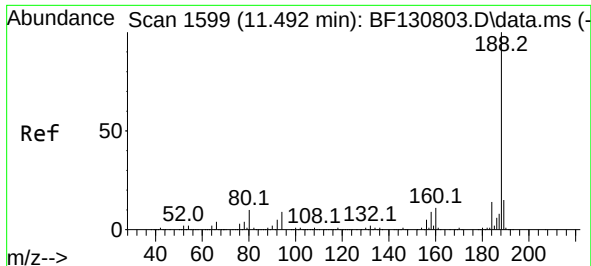
Tgt Ion:165 Resp: 14608
Ion Ratio Lower Upper
165 100
63 1.2 61.8 92.8#
89 1.3 56.2 84.4#



#57
2,4-Dinitrotoluene
Concen: 10.923 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.188 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

Tgt Ion:165 Resp: 14608
Ion Ratio Lower Upper
165 100
63 1.2 39.8 59.6#
89 1.3 61.9 92.9#
182 0.0 1.9 2.9#

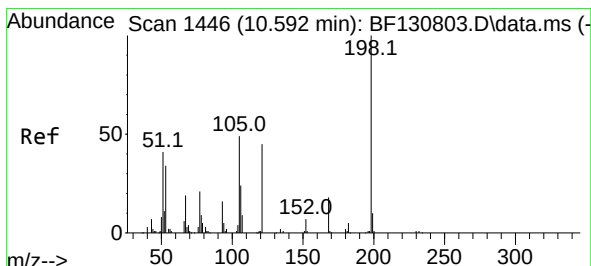
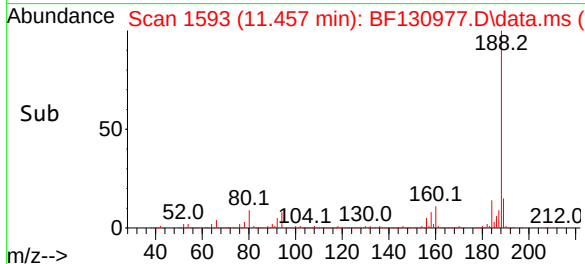
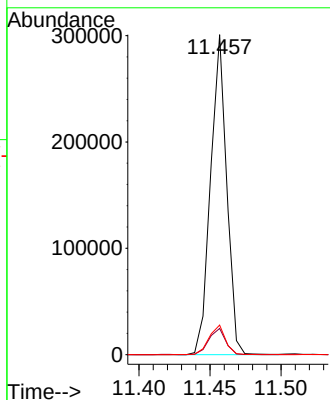
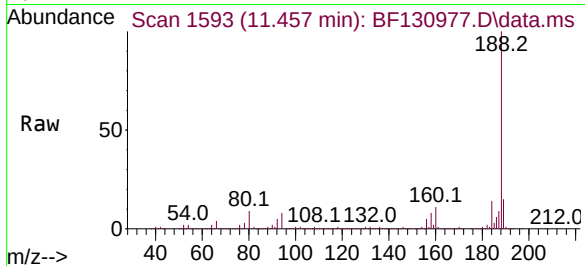




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

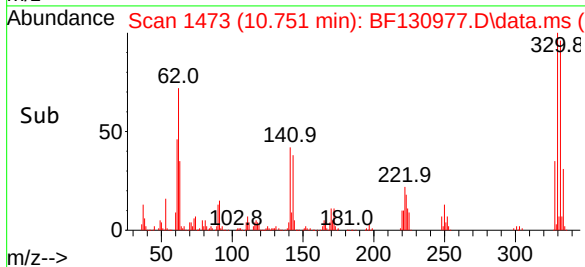
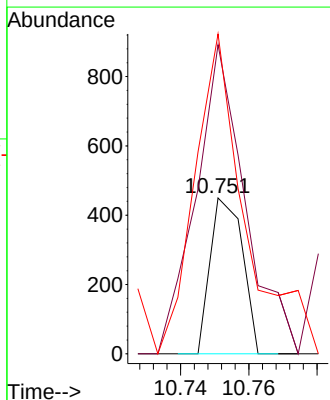
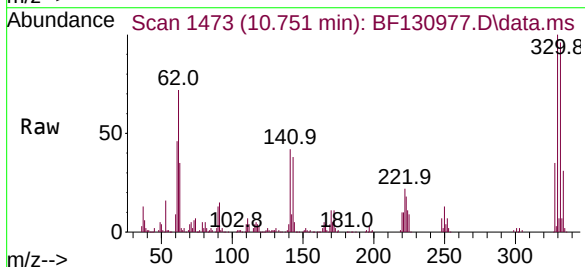
Instrument :
BNA_F
ClientSampleId :
TP-L

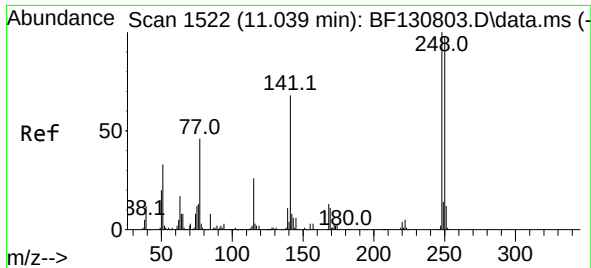
Tgt Ion:188 Resp: 236803
Ion Ratio Lower Upper
188 100
94 8.2 7.4 11.2
80 9.3 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 8.178 ng
RT: 10.751 min Scan# 1473
Delta R.T. 0.188 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

Tgt Ion:198 Resp: 296
Ion Ratio Lower Upper
198 100
51 198.2 39.0 79.0#
105 205.1 30.6 70.6#

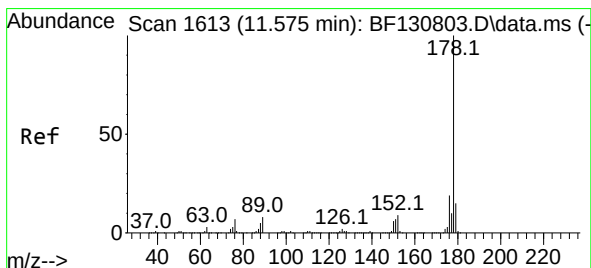
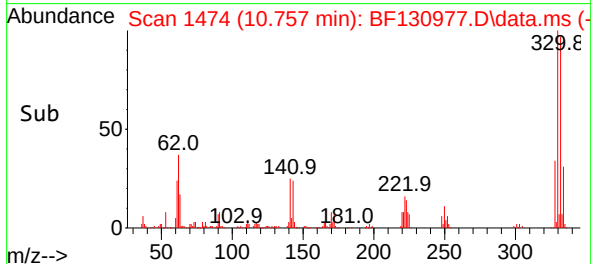
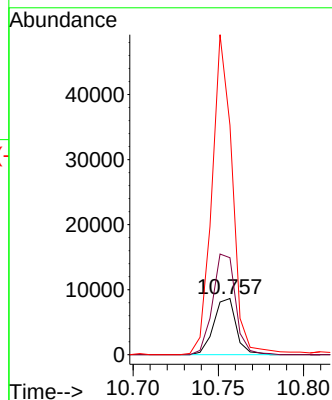
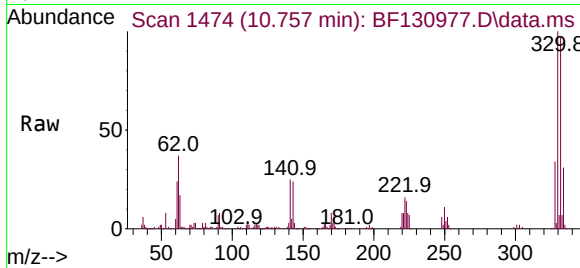




#67
4-Bromophenyl-phenylether
Concen: 3.323 ng
RT: 10.757 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

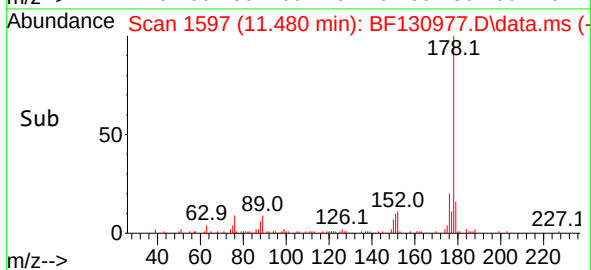
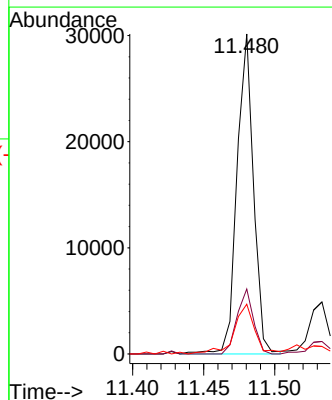
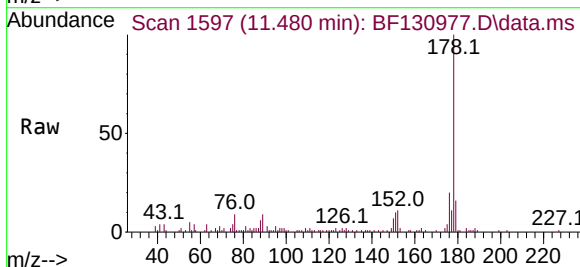
Instrument :
BNA_F
ClientSampleId :
TP-L

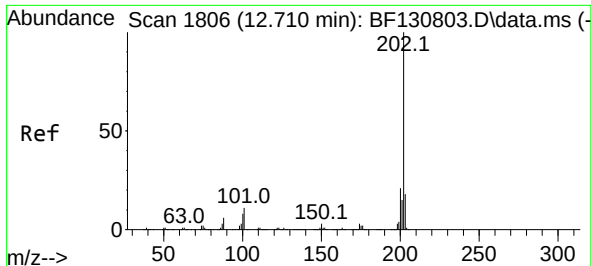
Tgt Ion:248 Resp: 7913
Ion Ratio Lower Upper
248 100
250 172.6 78.6 117.8#
141 408.0 54.2 81.4#



#72
Anthracene
Concen: 2.027 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.053 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

Tgt Ion:178 Resp: 24432
Ion Ratio Lower Upper
178 100
176 20.3 15.4 23.0
179 15.5 12.2 18.4

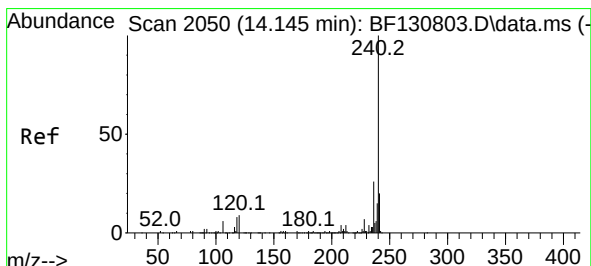
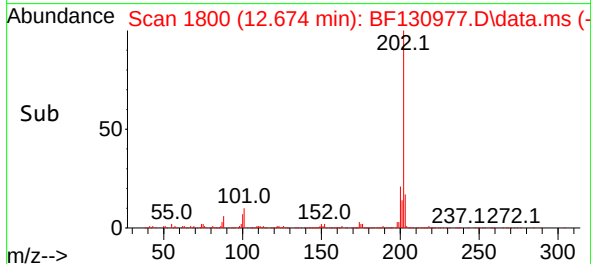
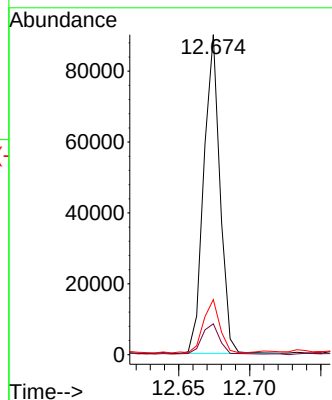
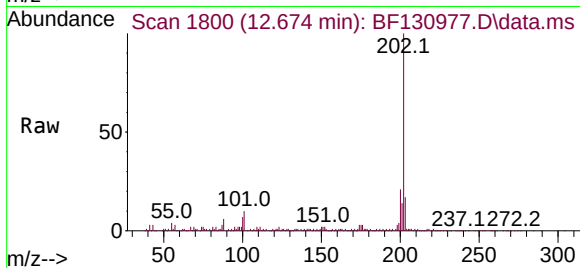




#75
Fluoranthene
Concen: 5.497 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

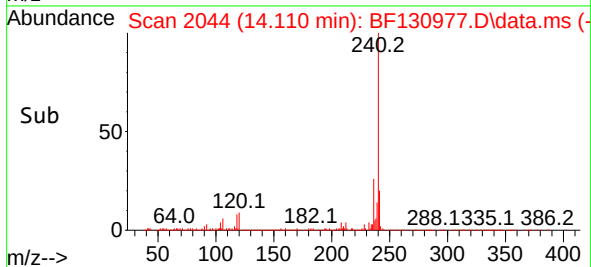
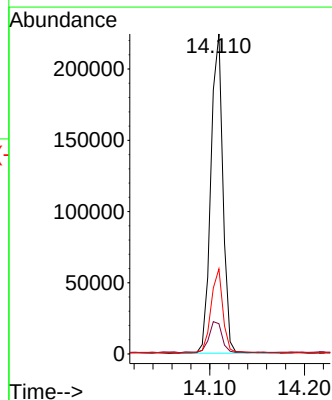
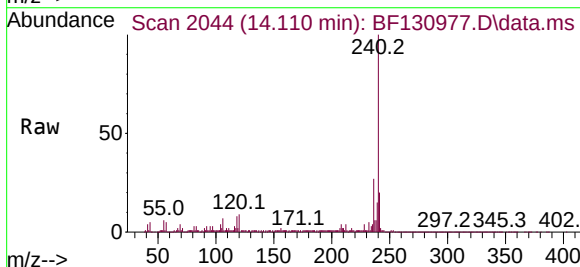
Instrument :
BNA_F
ClientSampleId :
TP-L

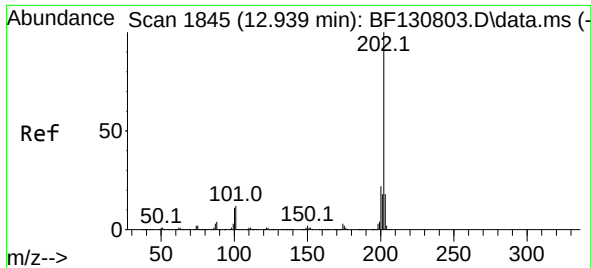
Tgt Ion:202 Resp: 71381
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.9
203 17.2 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2044
Delta R.T. 0.006 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

Tgt Ion:240 Resp: 196989
Ion Ratio Lower Upper
240 100
120 9.4 7.0 10.4
236 26.6 20.5 30.7

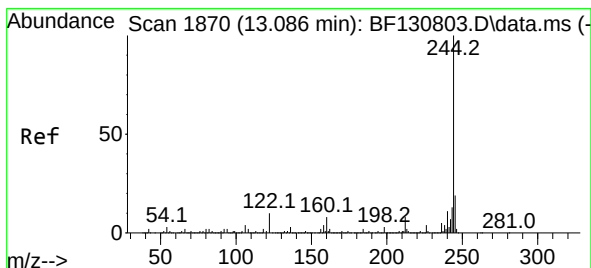
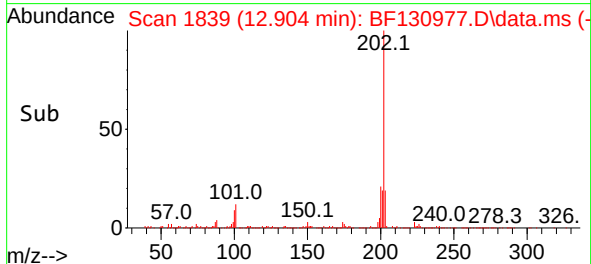
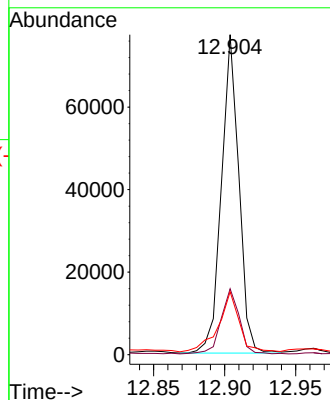
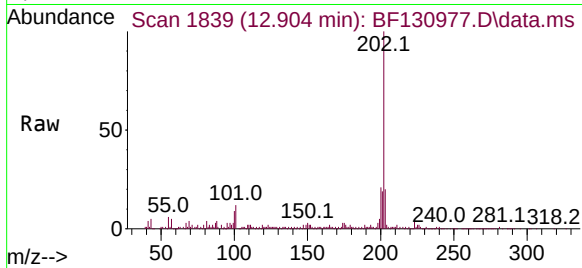




#78
Pyrene
Concen: 3.962 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

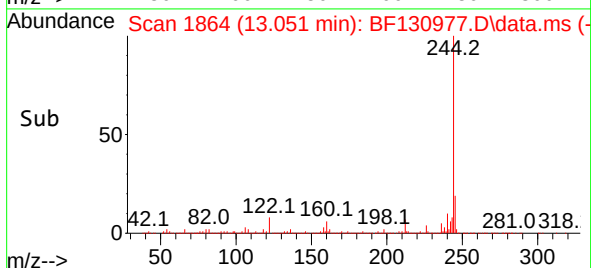
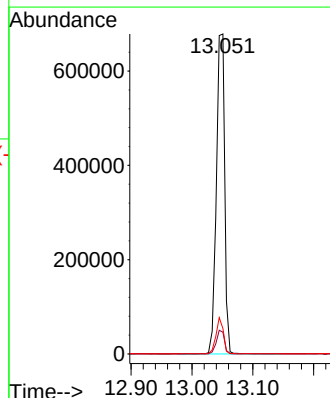
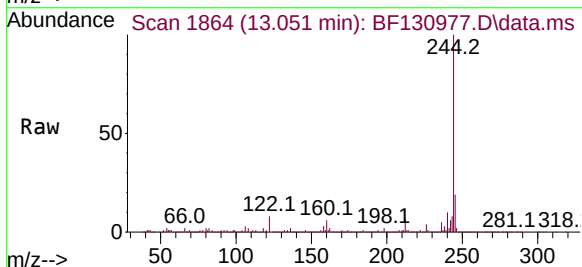
Instrument :
BNA_F
ClientSampleId :
TP-L

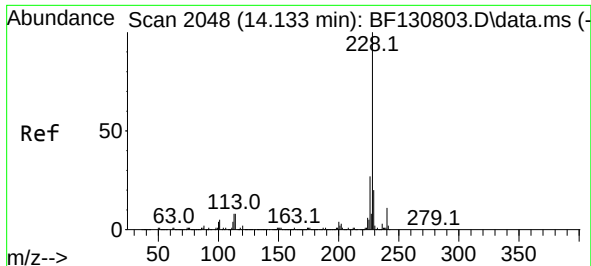
Tgt Ion:202 Resp: 65852
Ion Ratio Lower Upper
202 100
200 20.6 17.2 25.8
203 19.7 14.5 21.7



#79
Terphenyl-d14
Concen: 59.768 ng
RT: 13.051 min Scan# 1864
Delta R.T. 0.006 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

Tgt Ion:244 Resp: 642506
Ion Ratio Lower Upper
244 100
212 6.8 6.2 9.2
122 7.9 7.9 11.9

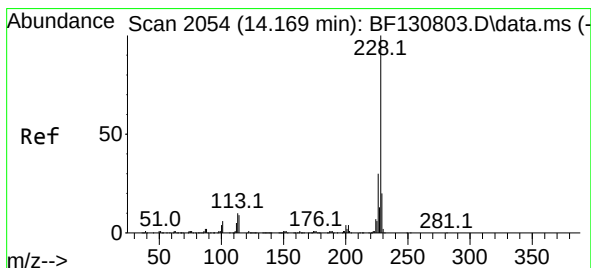
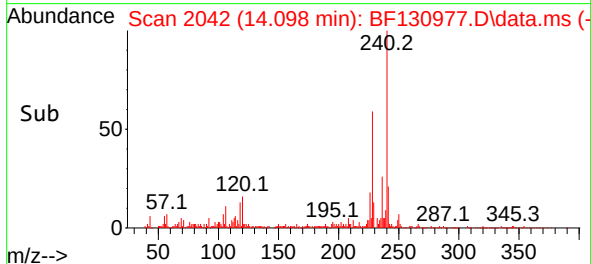
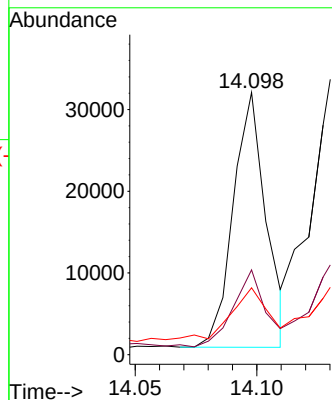
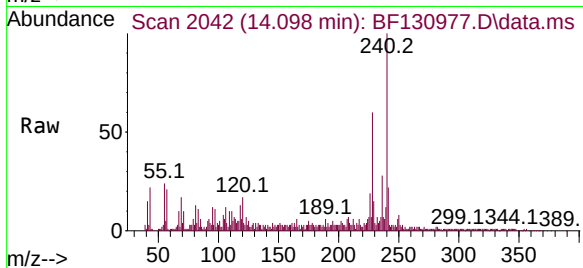




#81
Benzo(a)anthracene
Concen: 2.243 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

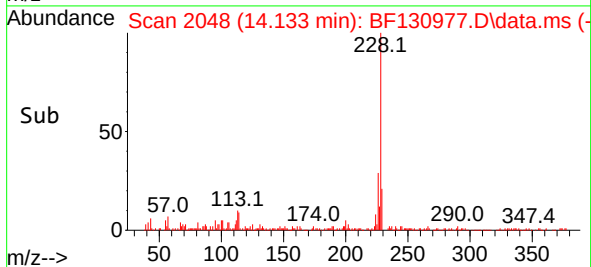
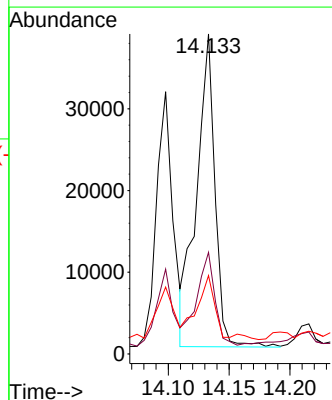
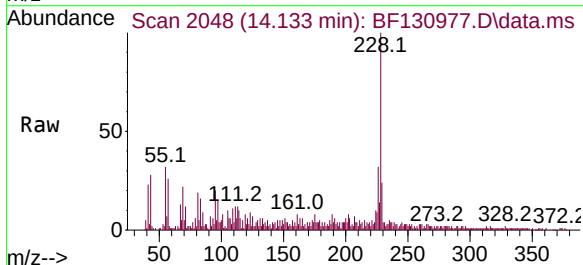
Instrument :
BNA_F
ClientSampleId :
TP-L

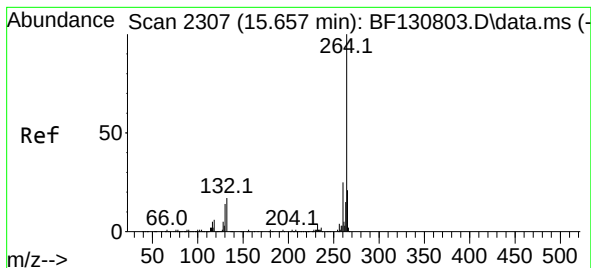
Tgt Ion:228 Resp: 29293
Ion Ratio Lower Upper
228 100
226 32.4 21.4 32.2#
229 25.5 15.8 23.6#



#83
Chrysene
Concen: 3.208 ng
RT: 14.133 min Scan# 2048
Delta R.T. -0.000 min
Lab File: BF130977.D
Acq: 04 Nov 2022 00:37

Tgt Ion:228 Resp: 40418
Ion Ratio Lower Upper
228 100
226 31.8 23.9 35.9
229 24.5 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF130977.D

Acq: 04 Nov 2022 00:37

Instrument :

BNA_F

ClientSampleId :

TP-L

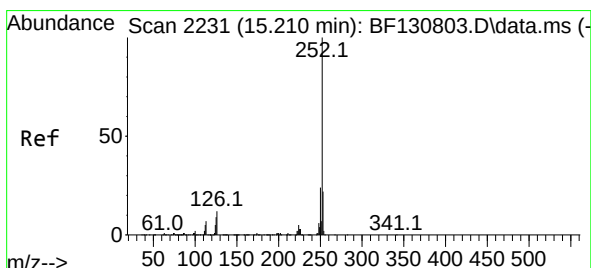
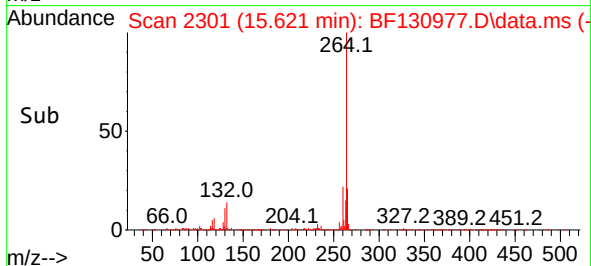
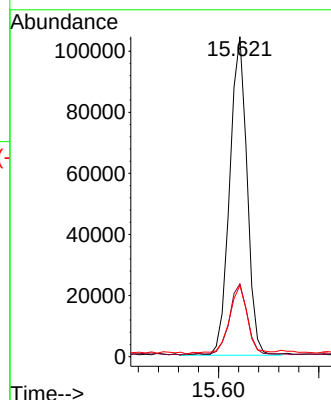
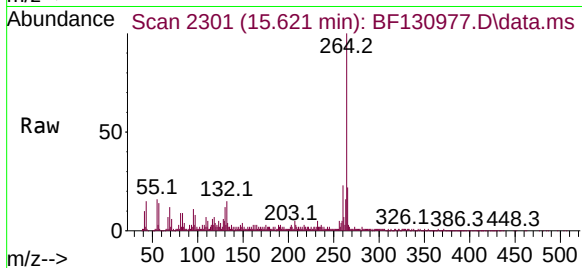
Tgt Ion:264 Resp: 125147

Ion Ratio Lower Upper

264 100

260 22.7 19.9 29.9

265 22.2 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 5.342 ng

RT: 15.168 min Scan# 2224

Delta R.T. 0.006 min

Lab File: BF130977.D

Acq: 04 Nov 2022 00:37

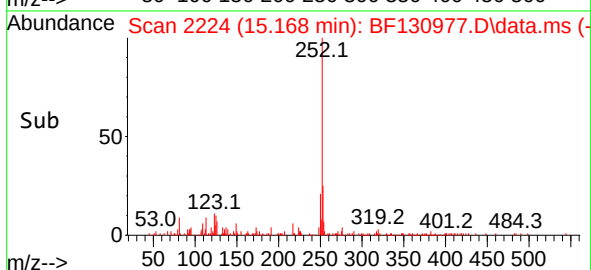
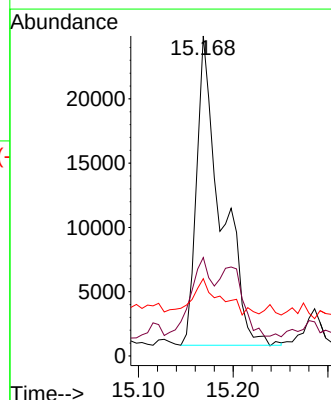
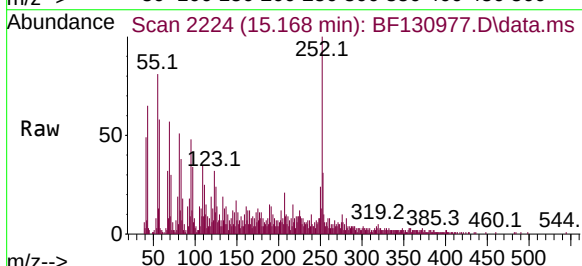
Tgt Ion:252 Resp: 43218

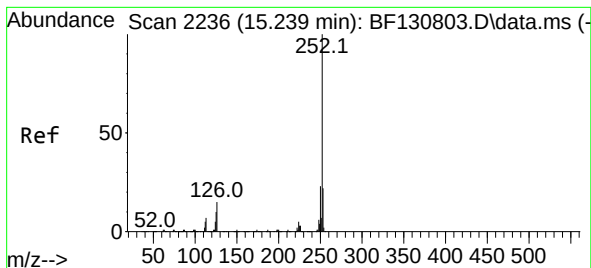
Ion Ratio Lower Upper

252 100

253 30.8 17.5 26.3#

125 24.1 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 5.482 ng

RT: 15.168 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF130977.D

Acq: 04 Nov 2022 00:37

Instrument :

BNA_F

ClientSampleId :

TP-L

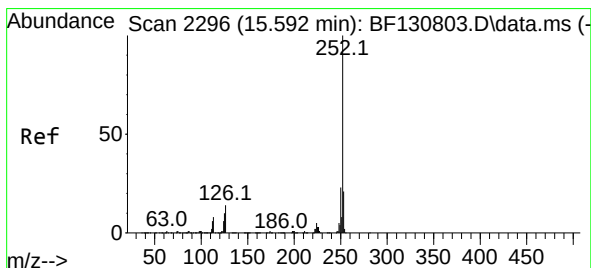
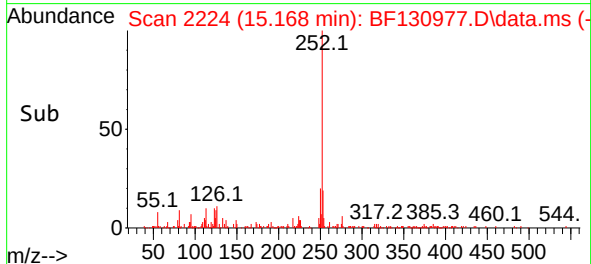
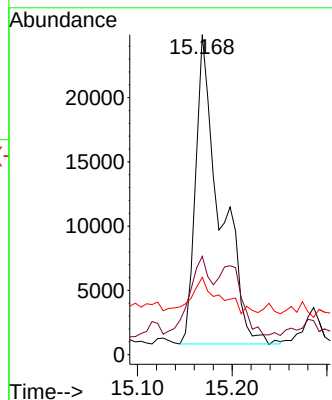
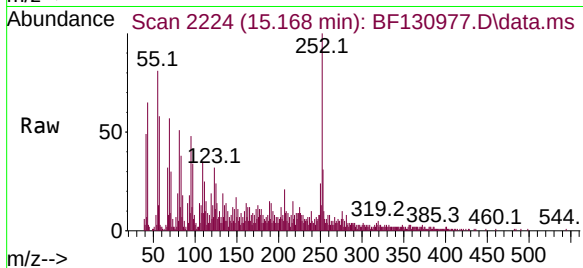
Tgt Ion:252 Resp: 43218

Ion Ratio Lower Upper

252 100

253 30.8 17.5 26.3#

125 24.1 8.0 12.0#



#90

Benzo(a)pyrene

Concen: 2.780 ng

RT: 15.551 min Scan# 2289

Delta R.T. 0.006 min

Lab File: BF130977.D

Acq: 04 Nov 2022 00:37

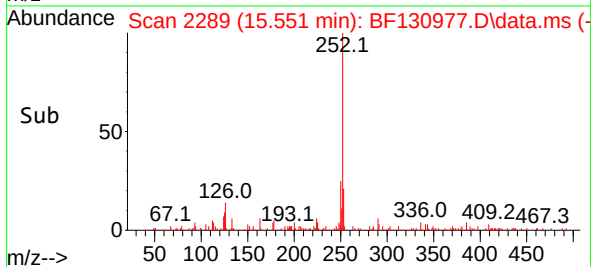
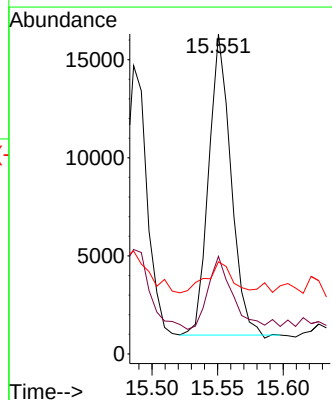
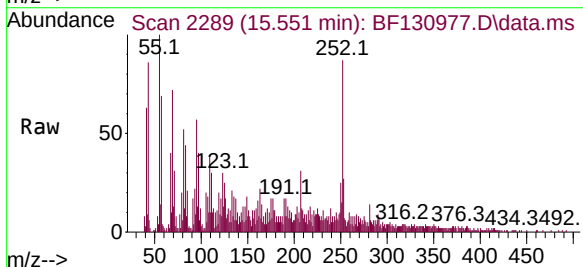
Tgt Ion:252 Resp: 18082

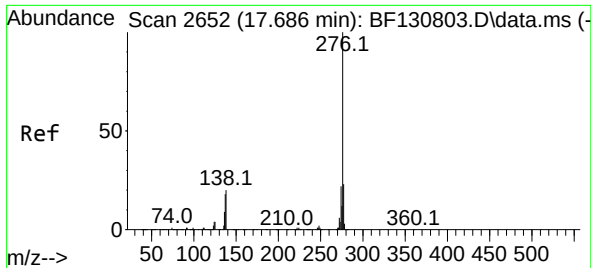
Ion Ratio Lower Upper

252 100

253 30.5 16.8 25.2#

125 28.8 8.3 12.5#





#92

Benzo(g,h,i)perylene

Concen: 2.081 ng

RT: 17.621 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF130977.D

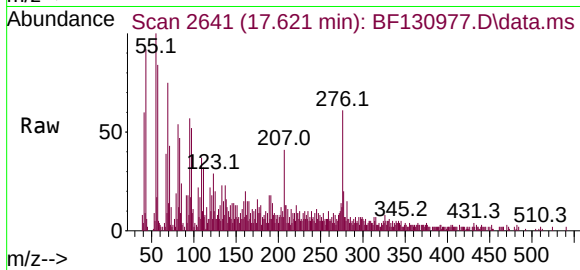
Acq: 04 Nov 2022 00:37

Instrument :

BNA_F

ClientSampleId :

TP-L



Tgt Ion:276 Resp: 14382

Ion Ratio Lower Upper

276 100

277 32.7 18.8 28.2#

138 26.8 16.3 24.5#

