

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
 Data File : BF130877.D
 Acq On : 31 Oct 2022 13:54
 Operator : CG\JU
 Sample : N5234-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSP-SS-03-03-05

Quant Time: Nov 01 02:26:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

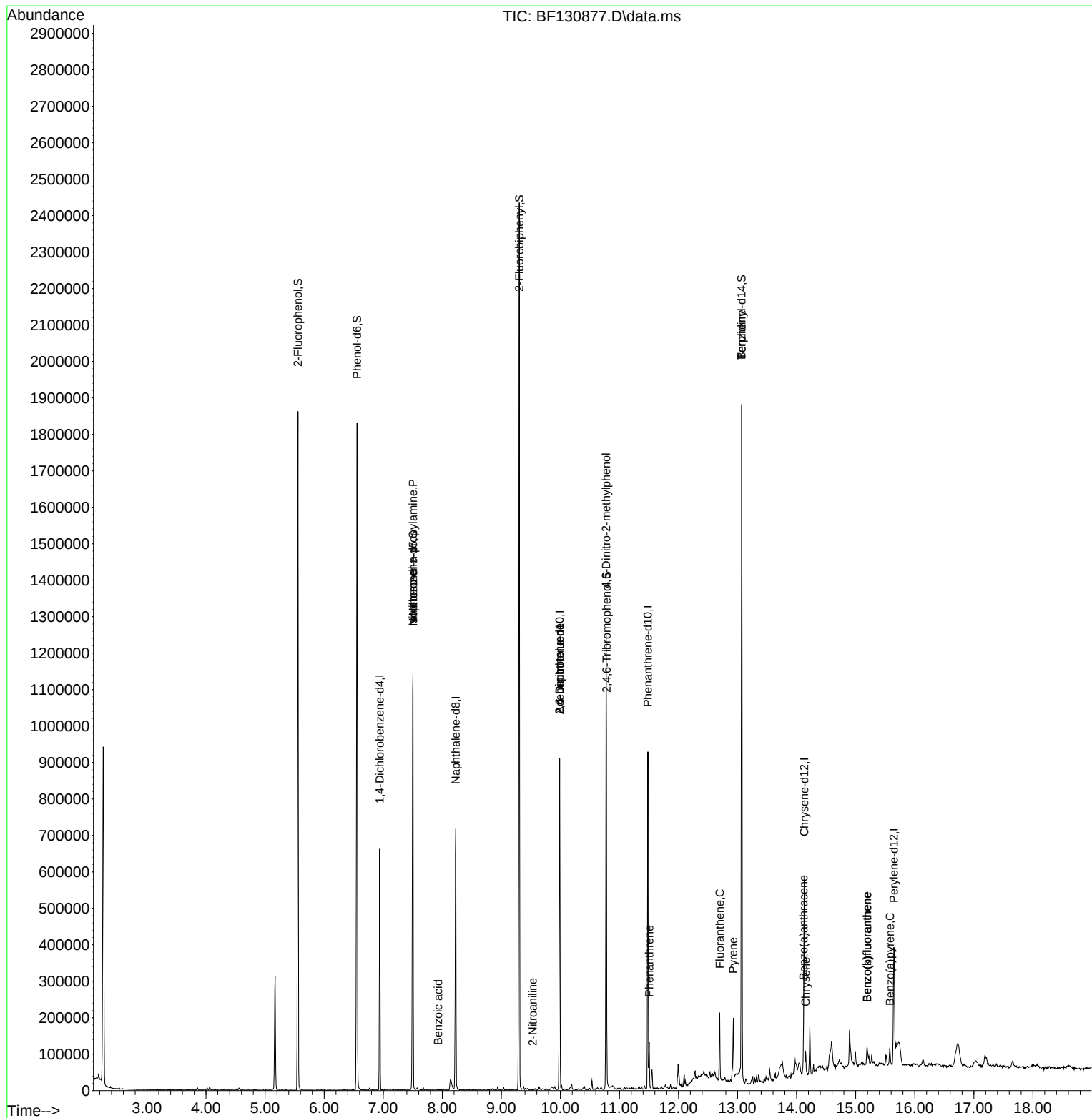
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	81107	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	305155	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	166607	20.000	ng	-0.01
64) Phenanthrene-d10	11.480	188	295903	20.000	ng	0.00
76) Chrysene-d12	14.127	240	160322	20.000	ng	0.00
86) Perylene-d12	15.645	264	151909	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	425418	90.930	ng	0.00
7) Phenol-d6	6.557	99	577579	95.001	ng	0.00
23) Nitrobenzene-d5	7.504	82	382644	75.611	ng	-0.01
42) 2,4,6-Tribromophenol	10.781	330	131339	93.647	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	683571	62.031	ng	0.00
79) Terphenyl-d14	13.069	244	555835	63.531	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.504	70	54029	13.061	ng	# 76
25) Isophorone	7.504	82	380869	36.496	ng	# 66
32) Benzoic acid	7.928	122	59	7.696	ng	# 1
48) 2-Nitroaniline	9.534	65	55	4.163	ng	# 12
51) 2,6-Dinitrotoluene	9.986	165	21036	11.897	ng	# 14
57) 2,4-Dinitrotoluene	9.986	165	21036	10.809	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.775	198	454	8.235	ng	# 1
71) Phenanthrene	11.504	178	43438	2.844	ng	100
75) Fluoranthene	12.698	202	67220	4.142	ng	98
77) Benzidine	13.069	184	9046	2.324	ng	# 92
78) Pyrene	12.927	202	62177	4.597	ng	98
81) Benzo(a)anthracene	14.116	228	26255	2.470	ng	95
83) Chrysene	14.151	228	21856	2.132	ng	98
88) Benzo(b)fluoranthene	15.192	252	34413	3.504	ng	# 90
89) Benzo(k)fluoranthene	15.192	252	34413	3.596	ng	# 91
90) Benzo(a)pyrene	15.580	252	20762	2.630	ng	# 93

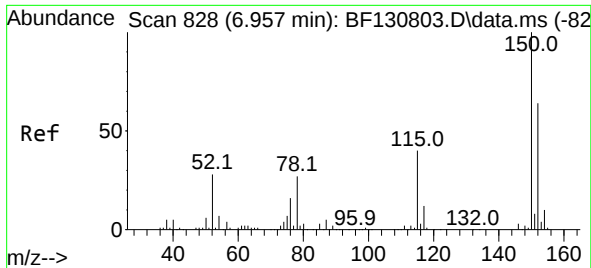
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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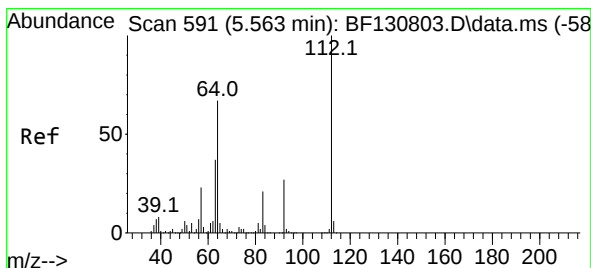
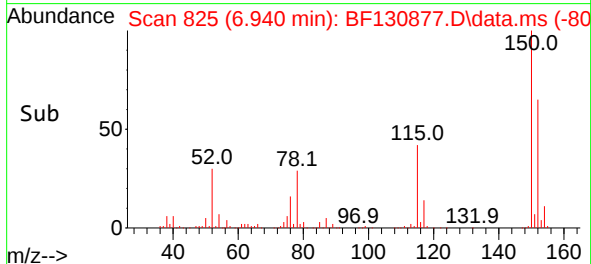
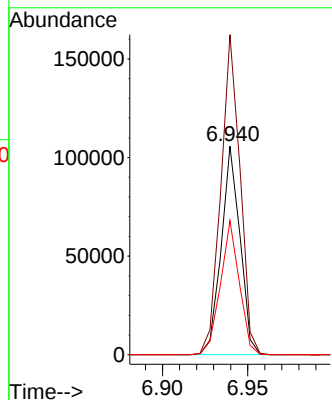
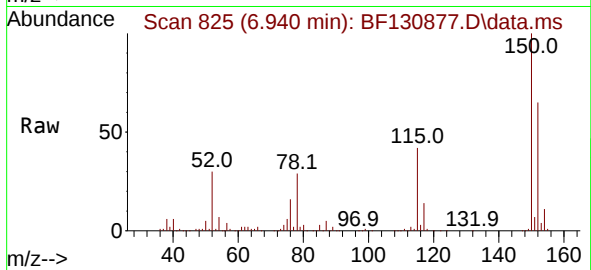




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

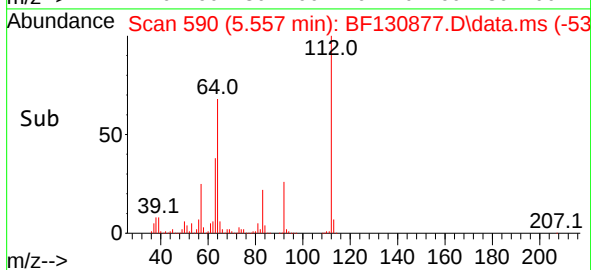
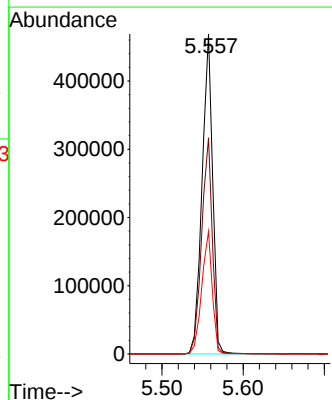
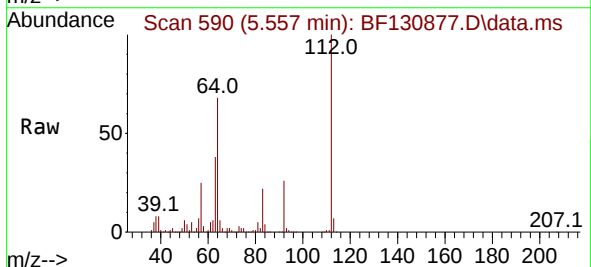
Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-03-05

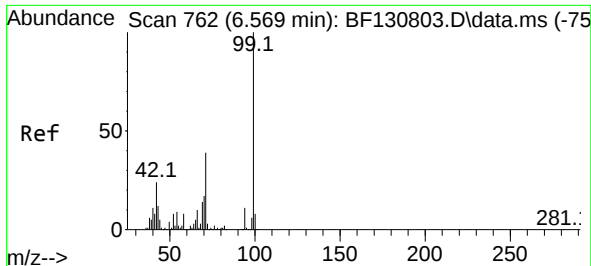
Tgt Ion:152 Resp: 81107
Ion Ratio Lower Upper
152 100
150 153.5 124.1 186.1
115 64.3 50.1 75.1



#5
2-Fluorophenol
Concen: 90.930 ng
RT: 5.557 min Scan# 590
Delta R.T. 0.000 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

Tgt Ion:112 Resp: 425418
Ion Ratio Lower Upper
112 100
64 67.6 53.9 80.9
63 38.3 29.4 44.2

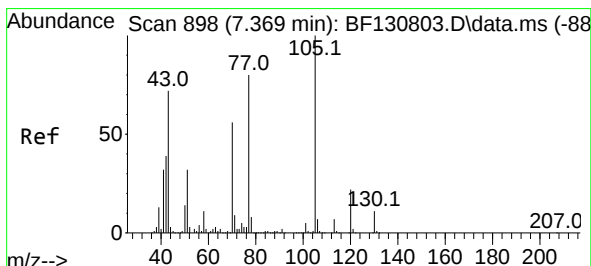
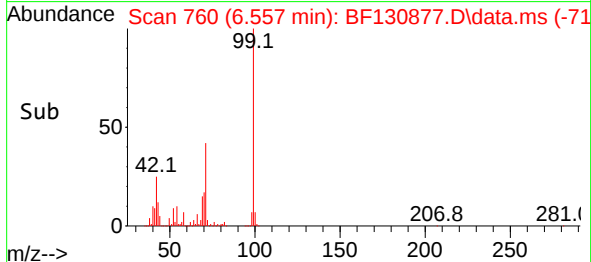
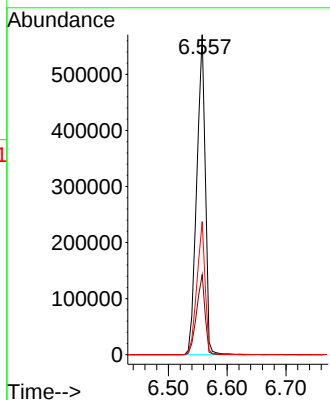
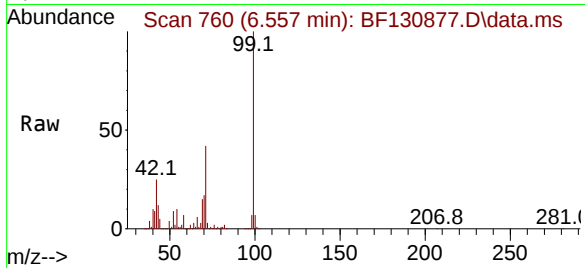




#7
Phenol-d6
Concen: 95.001 ng
RT: 6.557 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

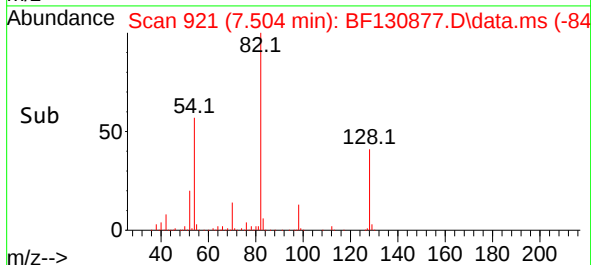
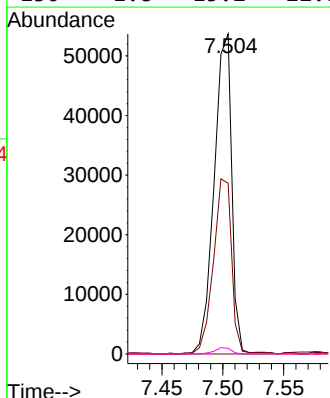
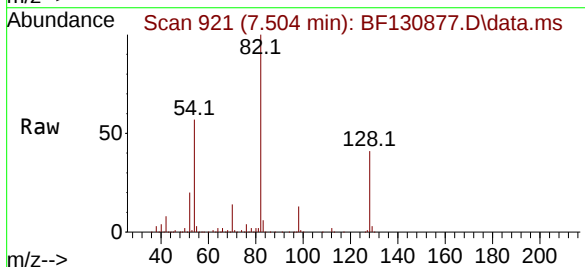
Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-03-05

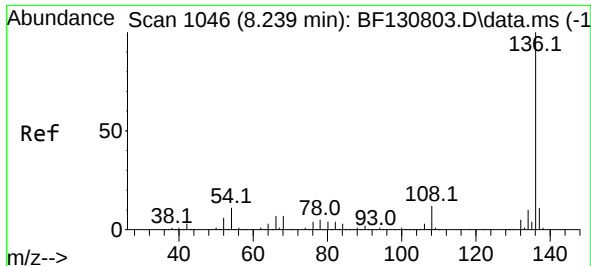
Tgt Ion: 99 Resp: 577579
Ion Ratio Lower Upper
99 100
42 25.0 18.8 28.2
71 41.6 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.061 ng
RT: 7.504 min Scan# 921
Delta R.T. 0.141 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

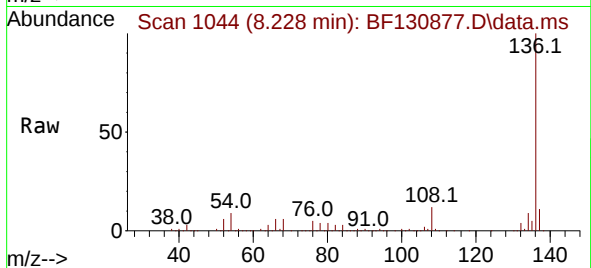
Tgt Ion: 70 Resp: 54029
Ion Ratio Lower Upper
70 100
42 53.4 56.1 84.1#
101 0.0 7.3 10.9#
130 1.8 15.2 22.8#



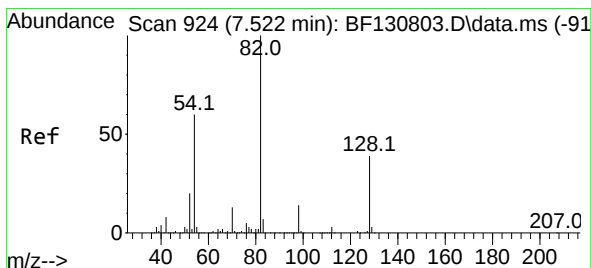
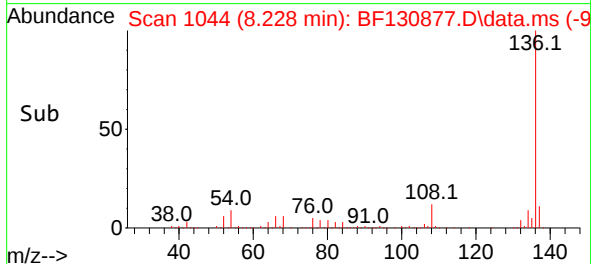
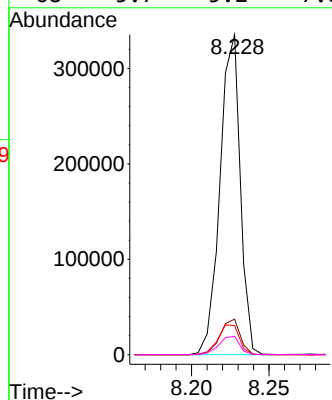


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-03-05

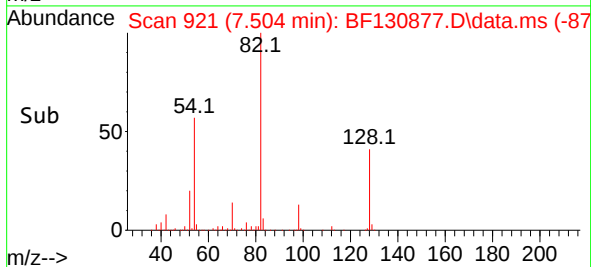
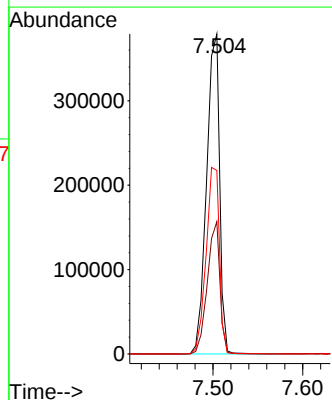
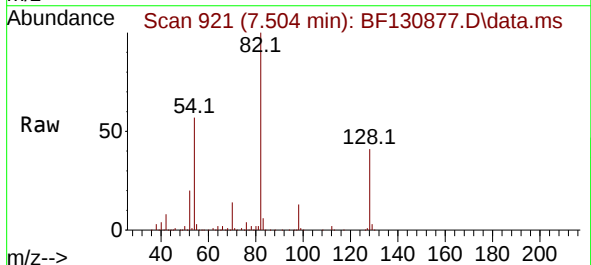


Tgt Ion:136 Resp: 305155
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 9.1 8.8 13.2
68 5.7 5.2 7.8



#23
Nitrobenzene-d5
Concen: 75.611 ng
RT: 7.504 min Scan# 921
Delta R.T. -0.012 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

Tgt Ion: 82 Resp: 382644
Ion Ratio Lower Upper
82 100
128 41.4 31.2 46.8
54 57.4 48.0 72.0

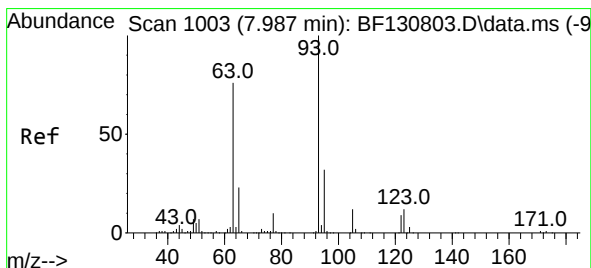
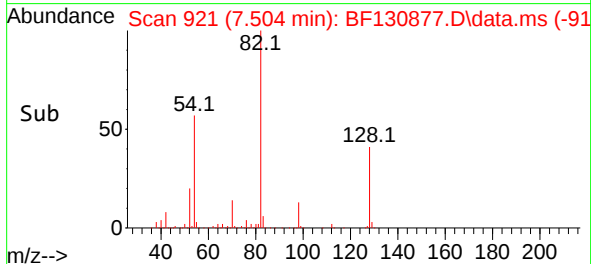
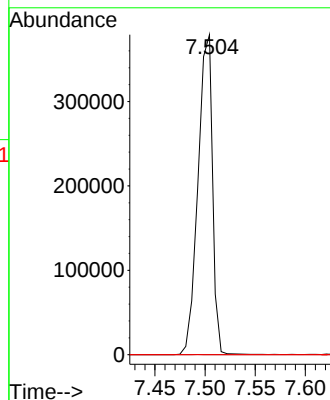
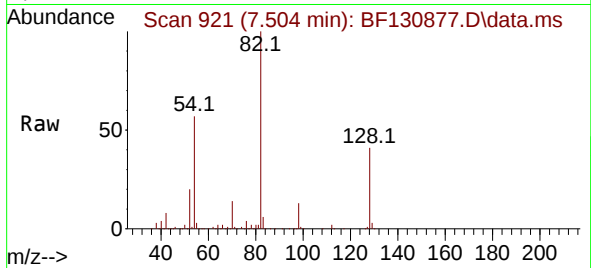




#25
Isophorone
Concen: 36.496 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

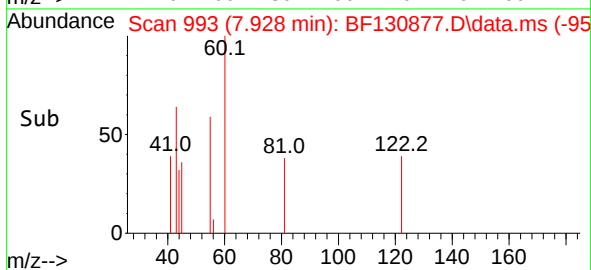
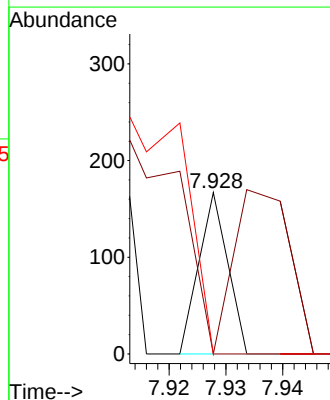
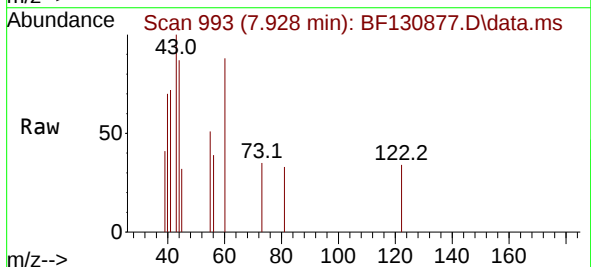
Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-03-05

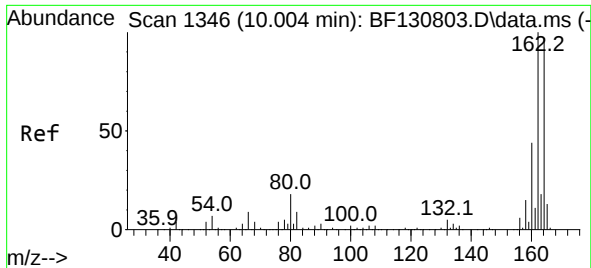
Tgt Ion: 82 Resp: 380869
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.696 ng
RT: 7.928 min Scan# 993
Delta R.T. -0.059 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

Tgt Ion: 122 Resp: 59
Ion Ratio Lower Upper
122 100
105 0.0 114.5 154.5#
77 0.0 89.8 129.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.986 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF130877.D

Acq: 31 Oct 2022 13:54

Instrument :

BNA_F

ClientSampleId :

LSP-SS-03-03-05

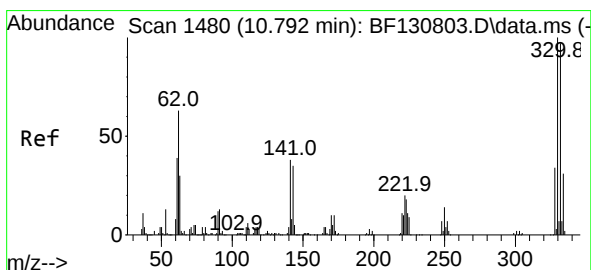
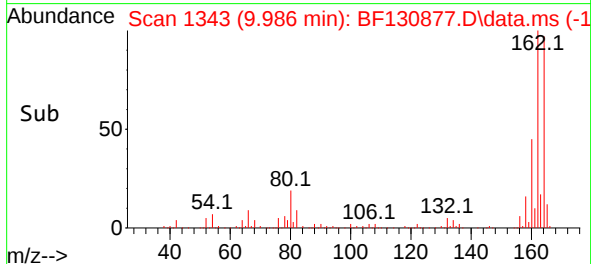
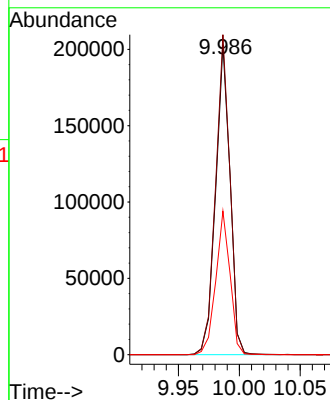
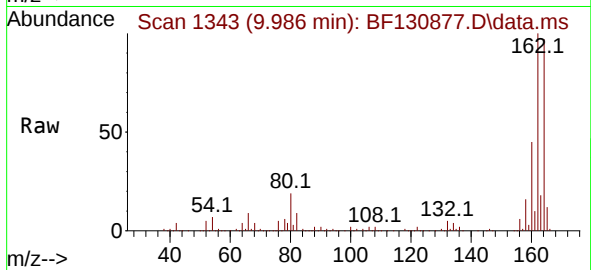
Tgt Ion:164 Resp: 166607

Ion Ratio Lower Upper

164 100

162 103.3 82.2 123.2

160 46.3 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 93.647 ng

RT: 10.781 min Scan# 1478

Delta R.T. -0.006 min

Lab File: BF130877.D

Acq: 31 Oct 2022 13:54

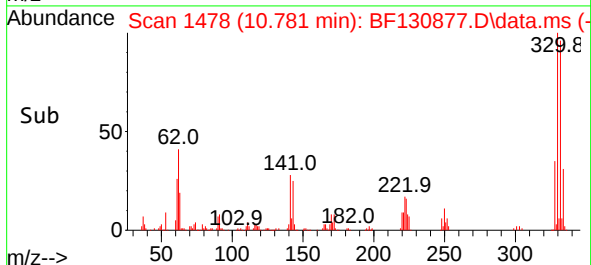
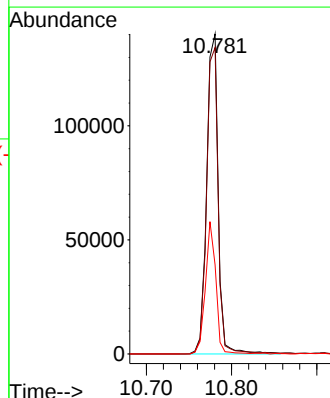
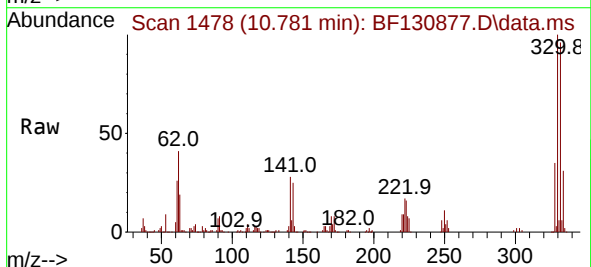
Tgt Ion:330 Resp: 131339

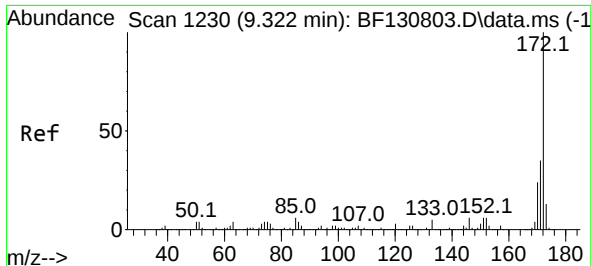
Ion Ratio Lower Upper

330 100

332 96.3 76.2 114.4

141 37.3 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 62.031 ng

RT: 9.304 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130877.D

Acq: 31 Oct 2022 13:54

Instrument :

BNA_F

ClientSampleId :

LSP-SS-03-03-05

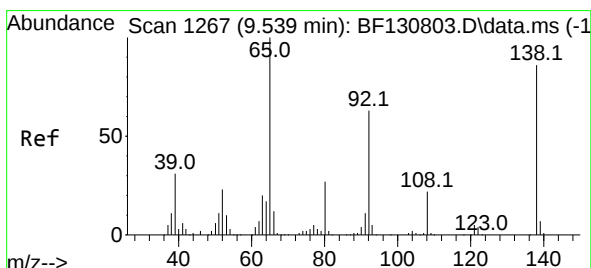
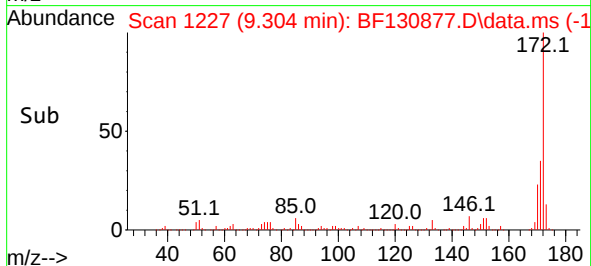
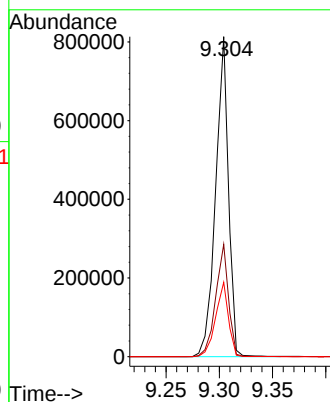
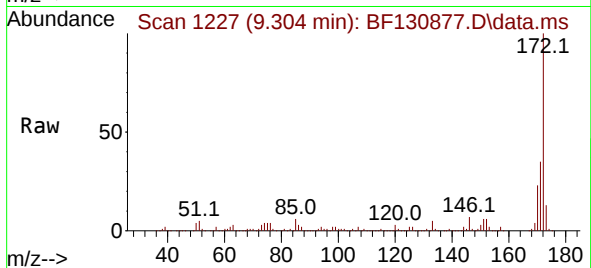
Tgt Ion:172 Resp: 683571

Ion Ratio Lower Upper

172 100

171 35.1 28.1 42.1

170 23.3 19.0 28.4



#48

2-Nitroaniline

Concen: 4.163 ng

RT: 9.534 min Scan# 1266

Delta R.T. 0.000 min

Lab File: BF130877.D

Acq: 31 Oct 2022 13:54

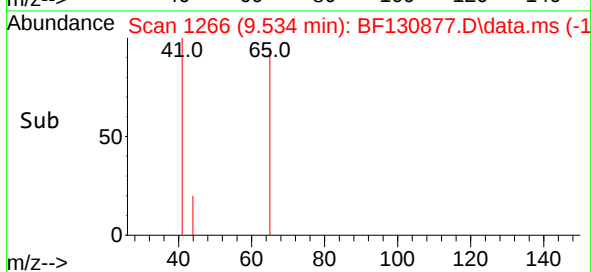
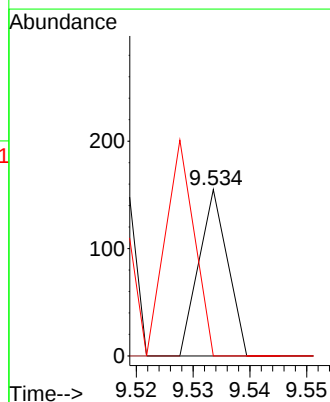
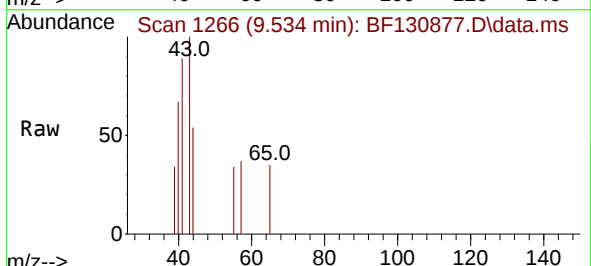
Tgt Ion: 65 Resp: 55

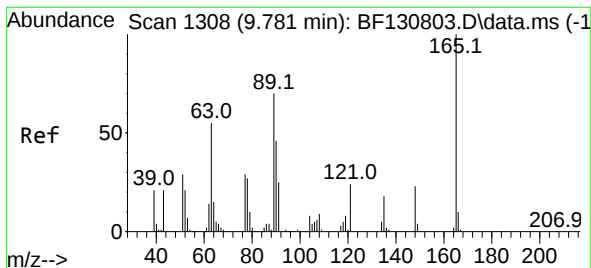
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 69.2 103.8#





#51

2,6-Dinitrotoluene

Concen: 11.897 ng

RT: 9.986 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF130877.D

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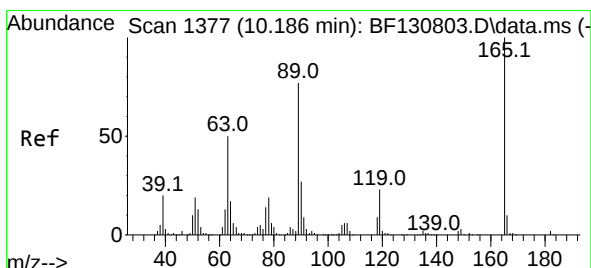
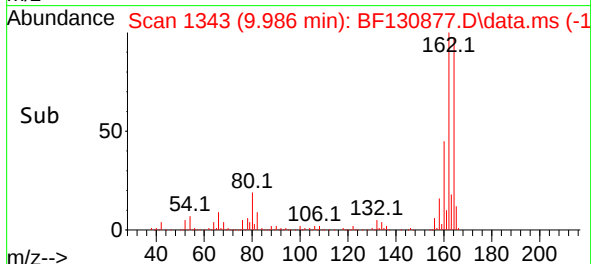
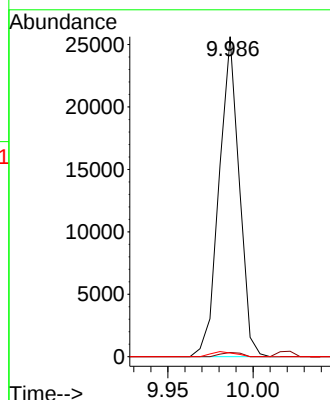
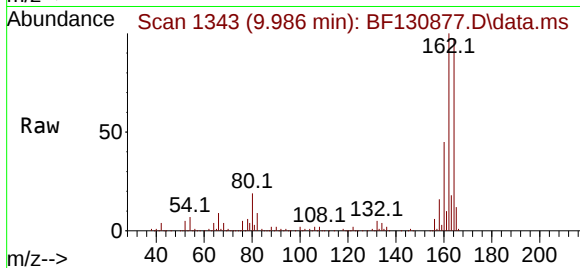
Tgt Ion:165 Resp: 21036

Ion Ratio Lower Upper

165 100

63 1.3 61.8 92.8#

89 1.2 56.2 84.4#



#57

2,4-Dinitrotoluene

Concen: 10.809 ng

RT: 9.986 min Scan# 1343

Delta R.T. -0.194 min

Lab File: BF130877.D

Acq: 31 Oct 2022 13:54

Tgt Ion:165 Resp: 21036

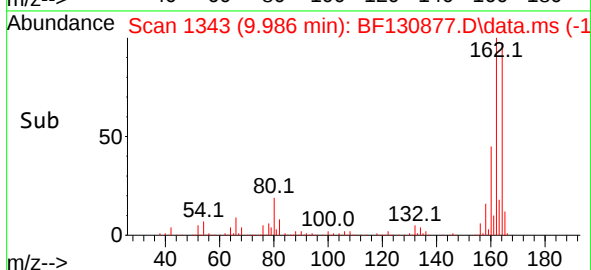
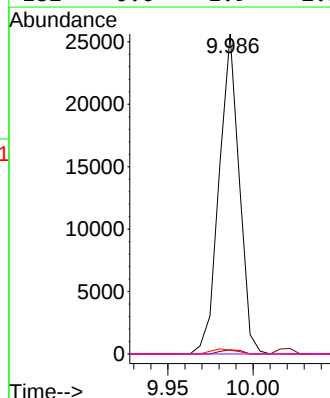
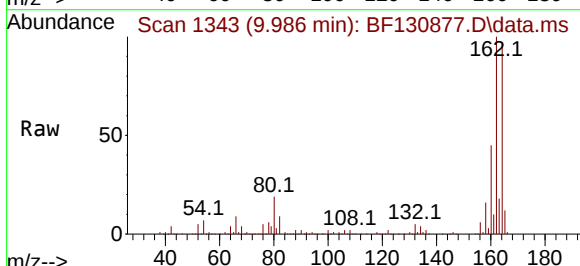
Ion Ratio Lower Upper

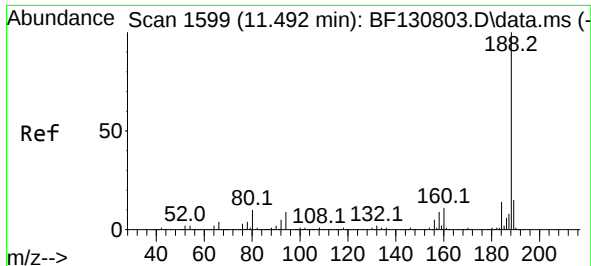
165 100

63 1.3 39.8 59.6#

89 1.2 61.9 92.9#

182 0.0 1.9 2.9#

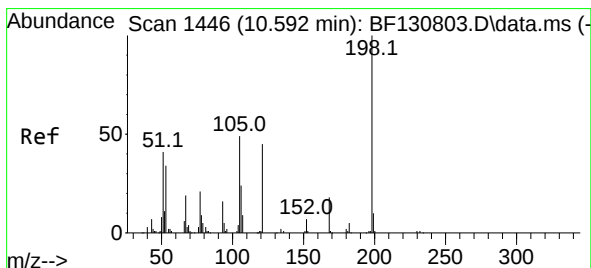
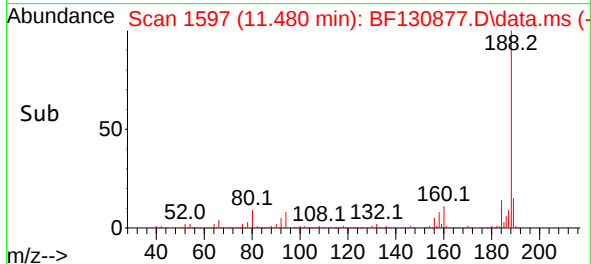
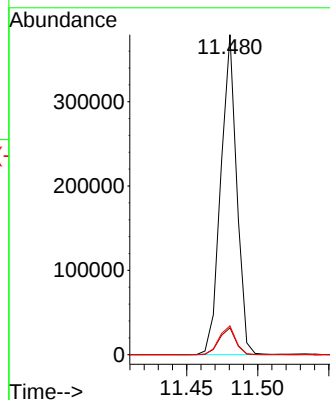
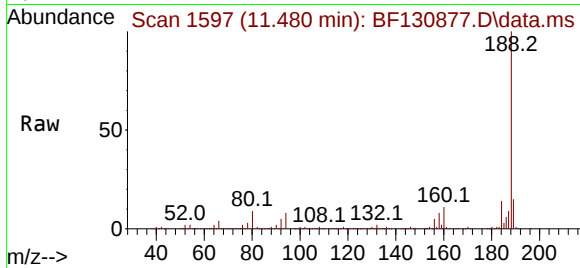




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

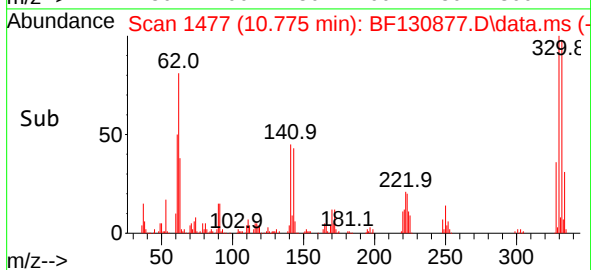
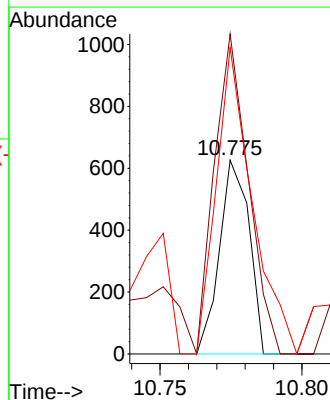
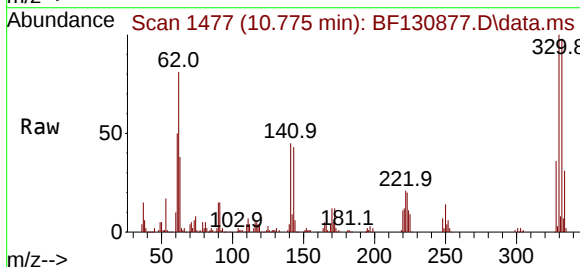
Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-03-05

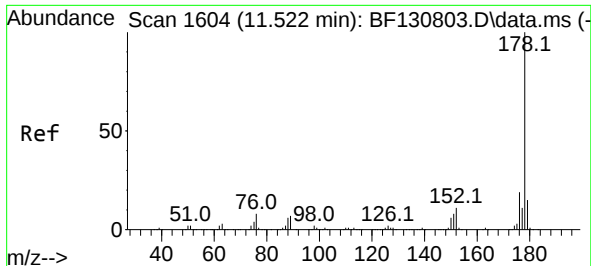
Tgt Ion:188 Resp: 295903
Ion Ratio Lower Upper
188 100
94 8.4 7.4 11.2
80 9.0 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 8.235 ng
RT: 10.775 min Scan# 1477
Delta R.T. 0.188 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

Tgt Ion:198 Resp: 454
Ion Ratio Lower Upper
198 100
51 165.2 39.0 79.0#
105 158.1 30.6 70.6#

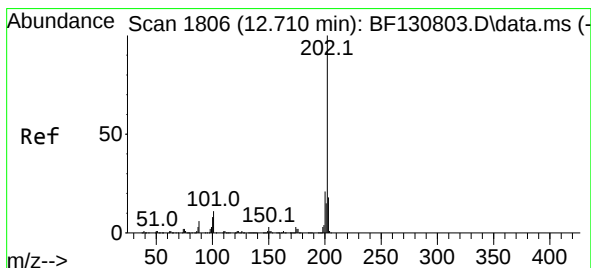
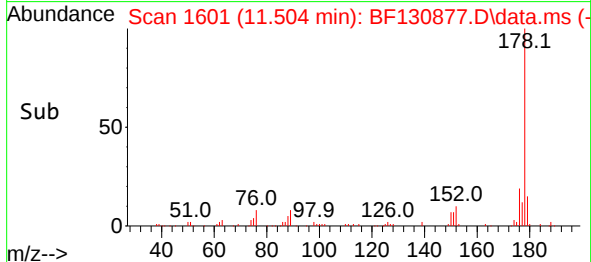
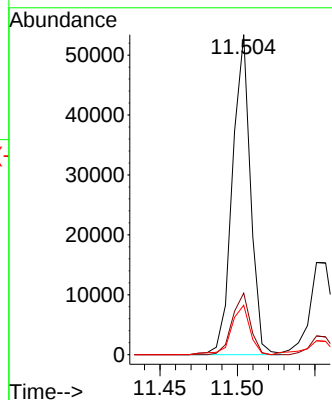
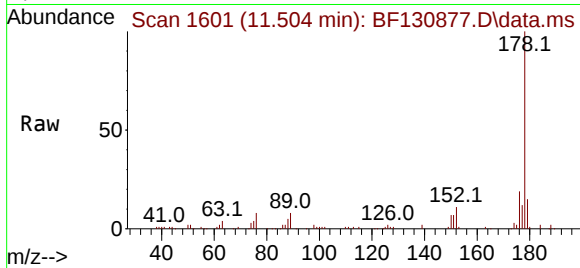




#71
Phenanthrene
Concen: 2.844 ng
RT: 11.504 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

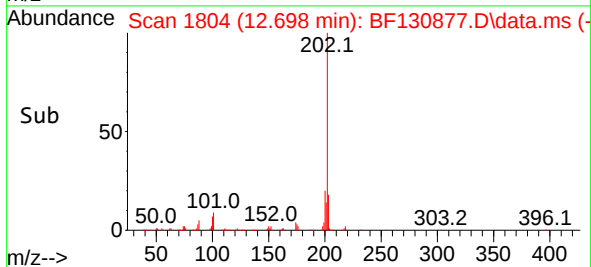
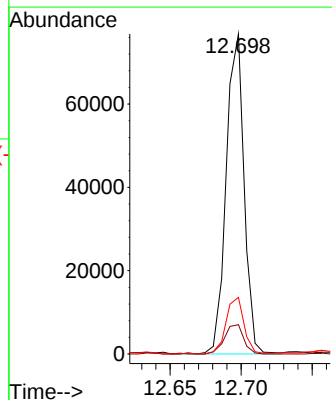
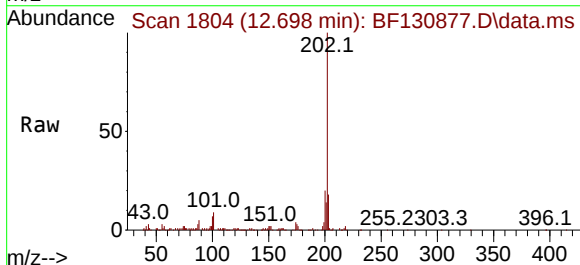
Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-03-05

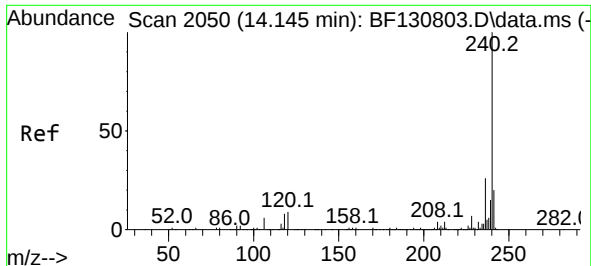
Tgt Ion:178 Resp: 43438
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.5 12.2 18.2



#75
Fluoranthene
Concen: 4.142 ng
RT: 12.698 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

Tgt Ion:202 Resp: 67220
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.9
203 17.7 0.0 37.7

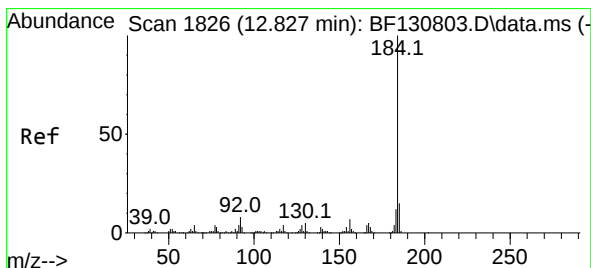
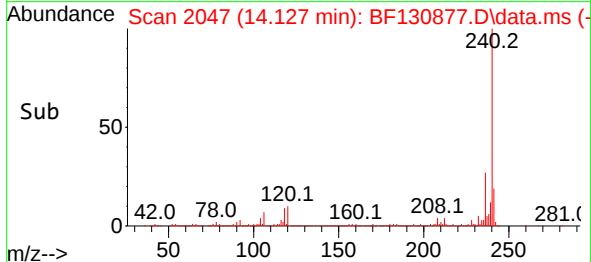
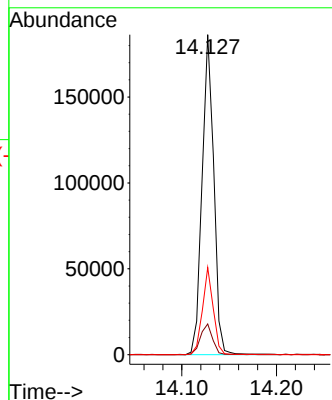
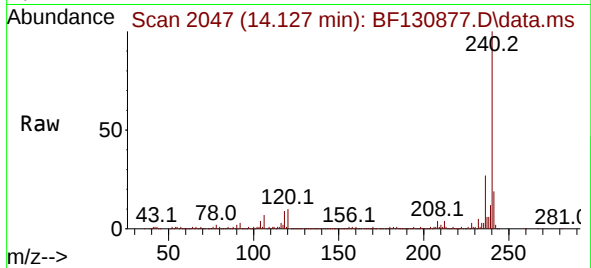




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

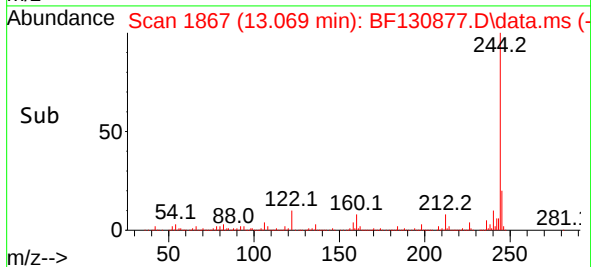
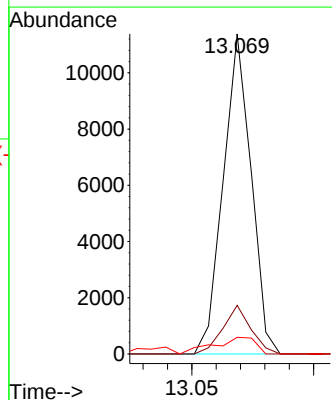
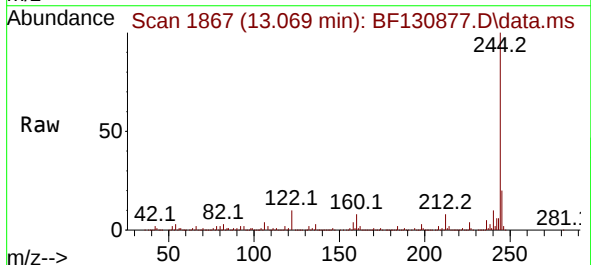
Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-03-05

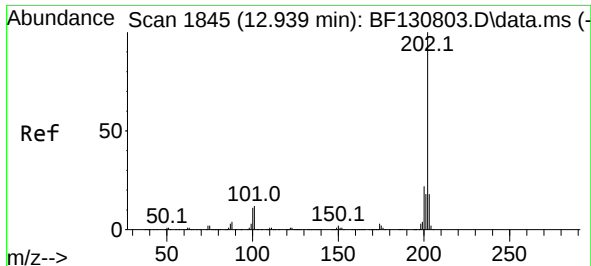
Tgt Ion:240 Resp: 160322
Ion Ratio Lower Upper
240 100
120 9.6 7.0 10.4
236 27.3 20.5 30.7



#77
Benzidine
Concen: 2.324 ng
RT: 13.069 min Scan# 1867
Delta R.T. 0.247 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

Tgt Ion:184 Resp: 9046
Ion Ratio Lower Upper
184 100
185 15.2 11.8 17.8
183 5.2 9.7 14.5#

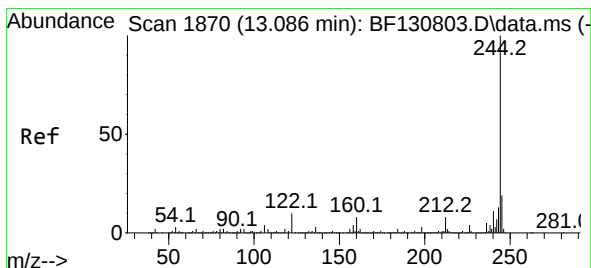
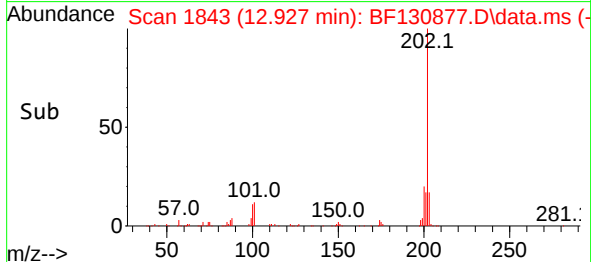
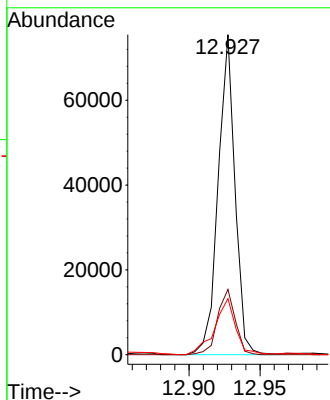
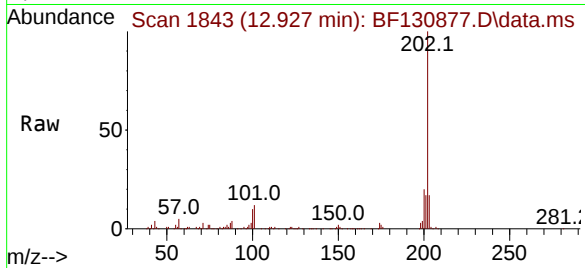




#78
 Pyrene
 Concen: 4.597 ng
 RT: 12.927 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF130877.D
 Acq: 31 Oct 2022 13:54

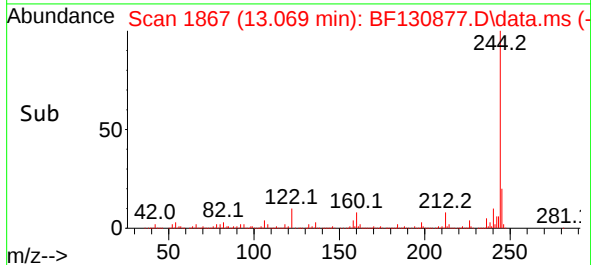
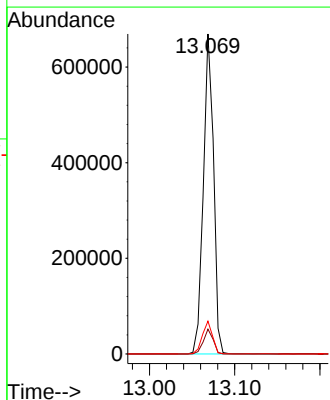
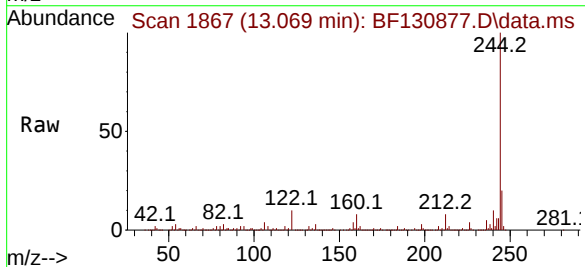
Instrument :
 BNA_F
 ClientSampleId :
 LSP-SS-03-03-05

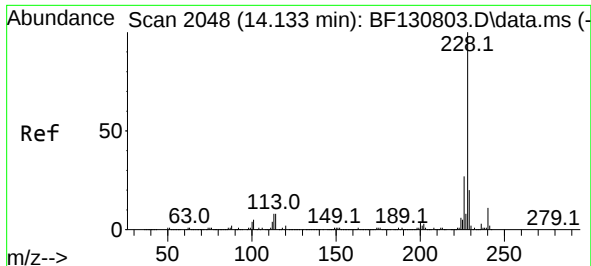
Tgt Ion:	202	Resp:	62177
Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.2	25.8
203	17.5	14.5	21.7



#79
 Terphenyl-d14
 Concen: 63.531 ng
 RT: 13.069 min Scan# 1867
 Delta R.T. -0.006 min
 Lab File: BF130877.D
 Acq: 31 Oct 2022 13:54

Tgt Ion:	244	Resp:	555835
Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	10.3	7.9	11.9

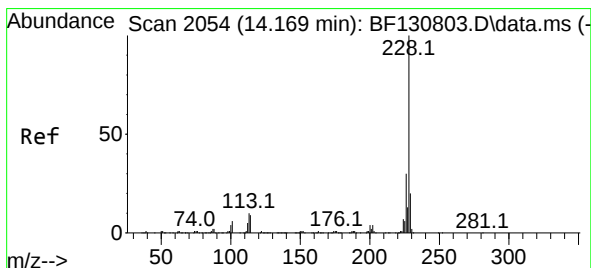
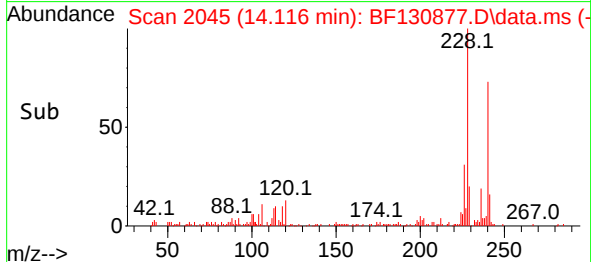
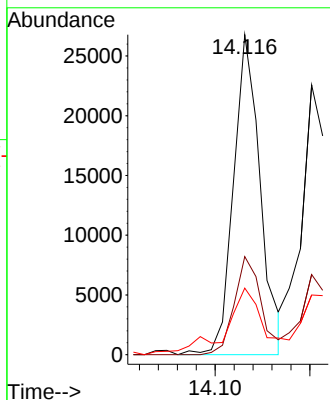
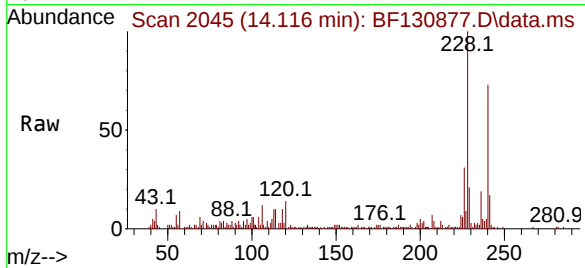




#81
Benzo(a)anthracene
Concen: 2.470 ng
RT: 14.116 min Scan# 2045
Delta R.T. -0.006 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

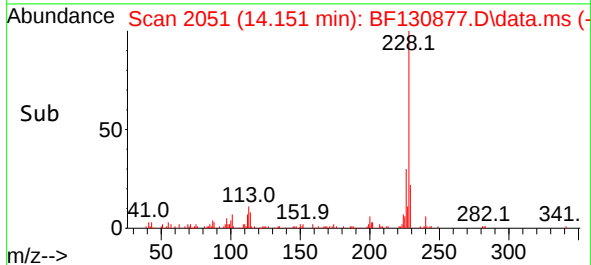
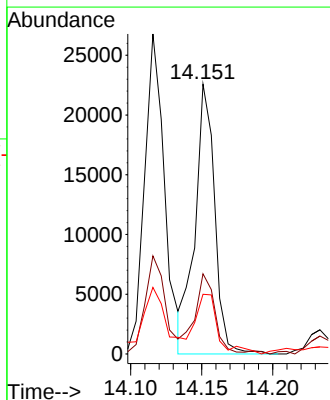
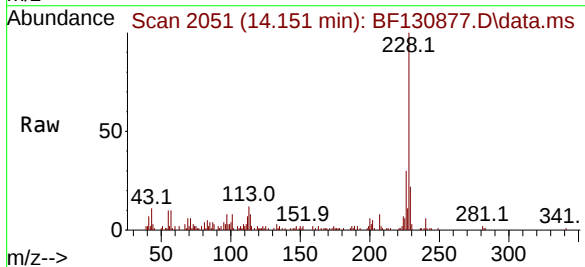
Instrument :
BNA_F
ClientSampleId :
LSP-SS-03-03-05

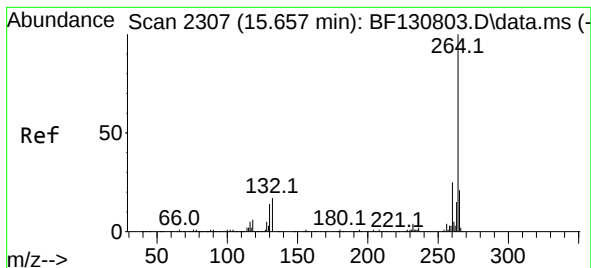
Tgt Ion:228 Resp: 26255
Ion Ratio Lower Upper
228 100
226 30.6 21.4 32.2
229 20.8 15.8 23.6



#83
Chrysene
Concen: 2.132 ng
RT: 14.151 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BF130877.D
Acq: 31 Oct 2022 13:54

Tgt Ion:228 Resp: 21856
Ion Ratio Lower Upper
228 100
226 29.7 23.9 35.9
229 22.1 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.645 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF130877.D

Acq: 31 Oct 2022 13:54

Instrument :

BNA_F

ClientSampleId :

LSP-SS-03-03-05

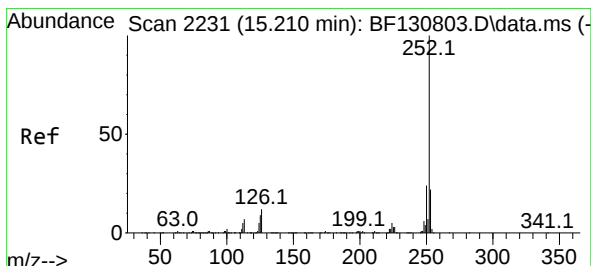
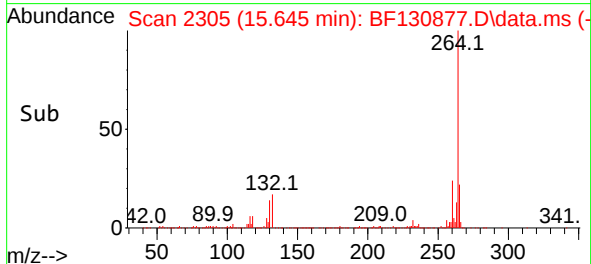
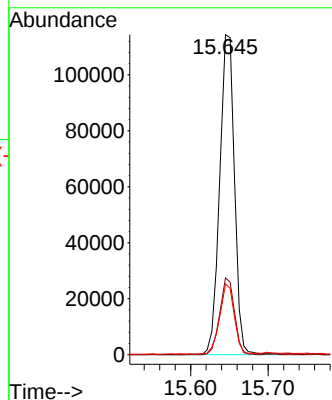
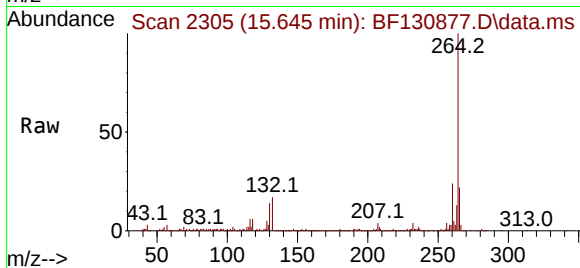
Tgt Ion:264 Resp: 151909

Ion Ratio Lower Upper

264 100

260 24.0 19.9 29.9

265 22.1 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 3.504 ng

RT: 15.192 min Scan# 2228

Delta R.T. -0.006 min

Lab File: BF130877.D

Acq: 31 Oct 2022 13:54

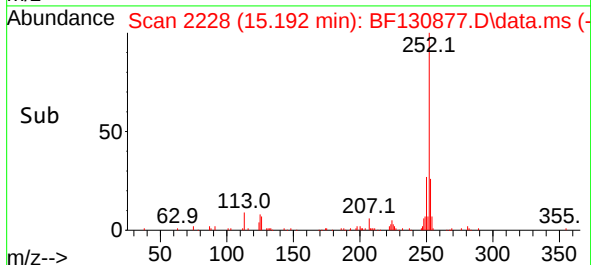
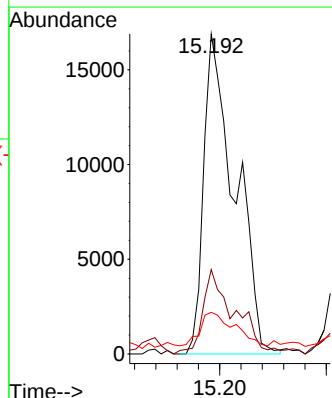
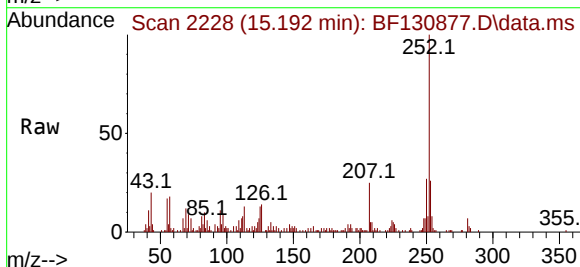
Tgt Ion:252 Resp: 34413

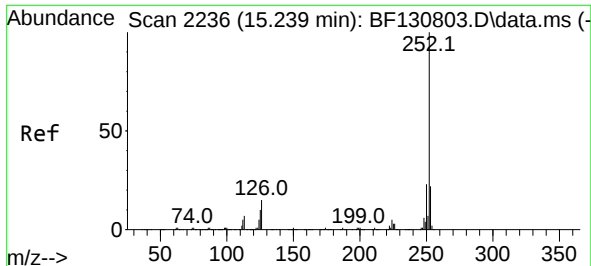
Ion Ratio Lower Upper

252 100

253 26.3 17.5 26.3#

125 13.0 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 3.596 ng

RT: 15.192 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF130877.D

Acq: 31 Oct 2022 13:54

Instrument :

BNA_F

ClientSampleId :

LSP-SS-03-03-05

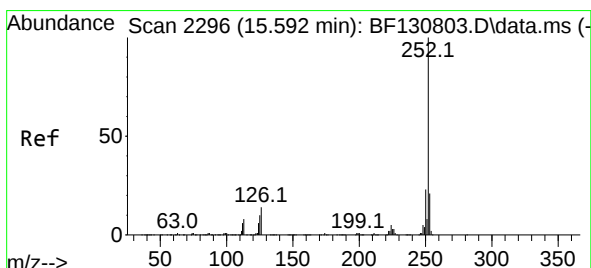
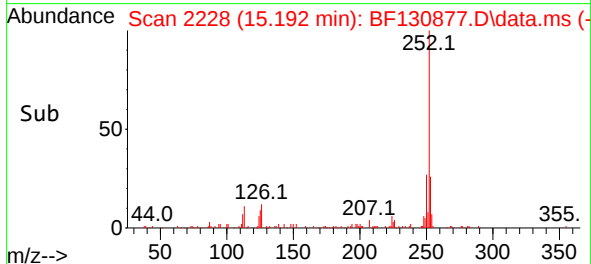
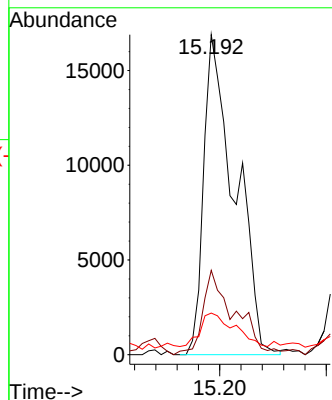
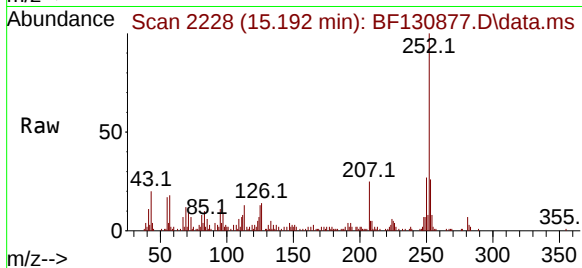
Tgt Ion:252 Resp: 34413

Ion Ratio Lower Upper

252 100

253 26.3 17.5 26.3#

125 13.0 8.0 12.0#



#90

Benzo(a)pyrene

Concen: 2.630 ng

RT: 15.580 min Scan# 2294

Delta R.T. 0.000 min

Lab File: BF130877.D

Acq: 31 Oct 2022 13:54

Tgt Ion:252 Resp: 20762

Ion Ratio Lower Upper

252 100

253 24.6 16.8 25.2

125 13.0 8.3 12.5#

