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 Data File : BF130941.D
 Acq On : 02 Nov 2022 21:08
 Operator : CG\JU
 Sample : N5395-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-11-103122

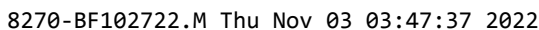
Quant Time: Nov 03 03:47:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 03 03:37:09 2022
 Response via : Initial Calibration

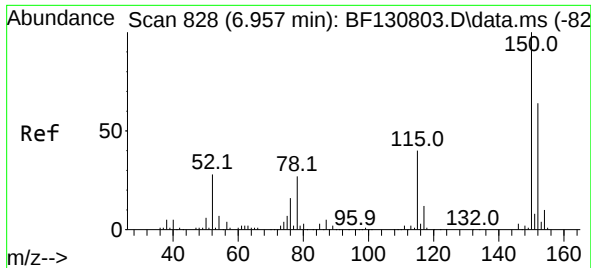
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	63119	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	232152	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	107504	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	152754	20.000	ng	-0.01
76) Chrysene-d12	14.110	240	132259	20.000	ng	-0.01
86) Perylene-d12	15.621	264	145826	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	471795	129.582	ng	0.00
7) Phenol-d6	6.545	99	578303	122.228	ng	0.00
23) Nitrobenzene-d5	7.487	82	386592	100.413	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	109147	120.609	ng	-0.01
45) 2-Fluorobiphenyl	9.286	172	533398	75.014	ng	0.00
79) Terphenyl-d14	13.051	244	369557	51.202	ng	0.00
Target Compounds						Qvalue
17) 2-Methylphenol	7.316	107	29685	8.563	ng	# 68
19) n-Nitroso-di-n-propyla...	7.487	70	54466	16.919	ng	# 79
20) 3+4-Methylphenols	7.316	107	29685	6.586	ng	83
25) Isophorone	7.487	82	386524	48.685	ng	# 66
32) Benzoic acid	7.957	122	60	7.701	ng	# 34
48) 2-Nitroaniline	9.392	65	284	4.278	ng	# 12
51) 2,6-Dinitrotoluene	9.969	165	13455	11.817	ng	# 14
57) 2,4-Dinitrotoluene	9.969	165	13455	10.747	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.757	198	233	8.233	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	6965	4.534	ng	# 1
71) Phenanthrene	11.480	178	19530	2.477	ng	98
72) Anthracene	11.480	178	19530	2.511	ng	98
75) Fluoranthene	12.674	202	40447	4.828	ng	99
78) Pyrene	12.904	202	35989	3.225	ng	97
81) Benzo(a)anthracene	14.098	228	22820	2.602	ng	94
83) Chrysene	14.133	228	21665	2.561	ng	98
88) Benzo(b)fluoranthene	15.168	252	42025	4.458	ng	# 96
89) Benzo(k)fluoranthene	15.168	252	42025	4.575	ng	# 96
90) Benzo(a)pyrene	15.551	252	22926	3.025	ng	95

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

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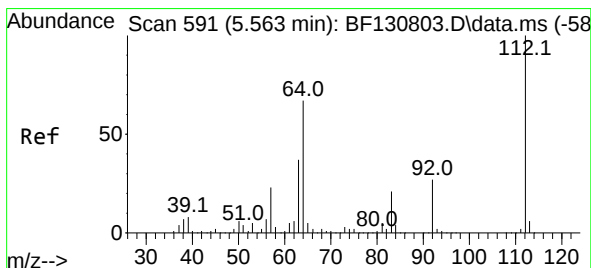
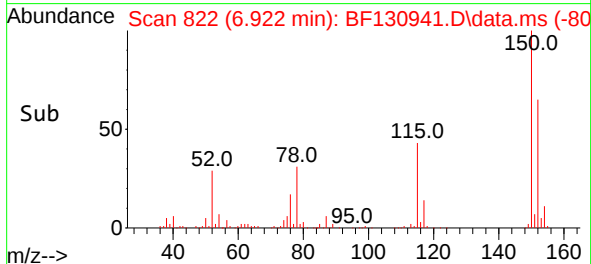
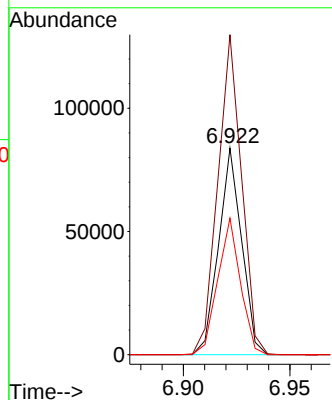
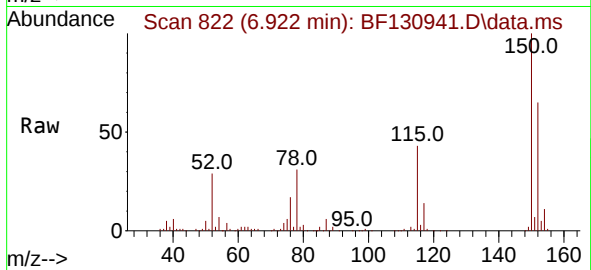




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

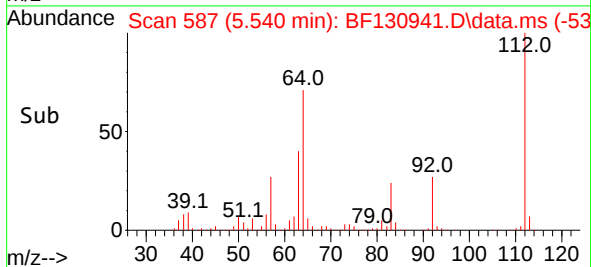
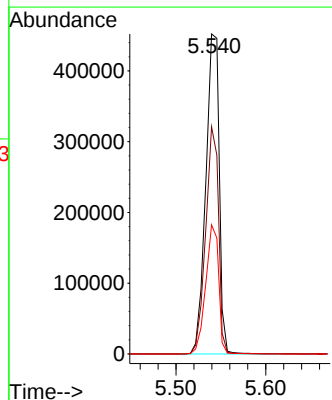
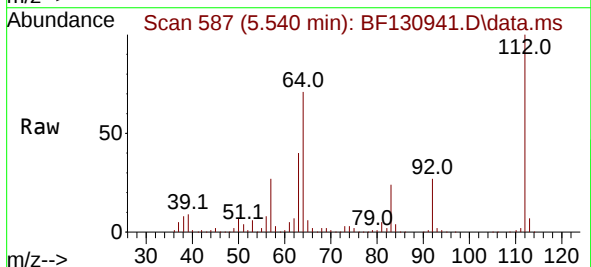
Instrument :
BNA_F
ClientSampleId :
S-11-103122

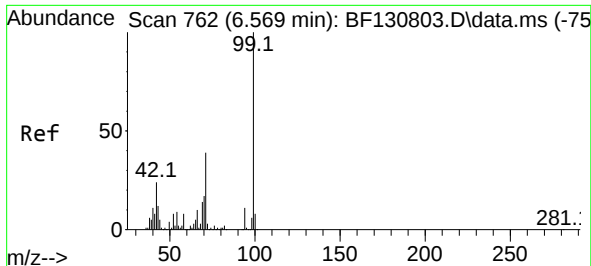
Tgt Ion:152 Resp: 63119
Ion Ratio Lower Upper
152 100
150 154.9 124.1 186.1
115 66.0 50.1 75.1



#5
2-Fluorophenol
Concen: 129.582 ng
RT: 5.540 min Scan# 587
Delta R.T. -0.000 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

Tgt Ion:112 Resp: 471795
Ion Ratio Lower Upper
112 100
64 71.0 53.9 80.9
63 40.3 29.4 44.2

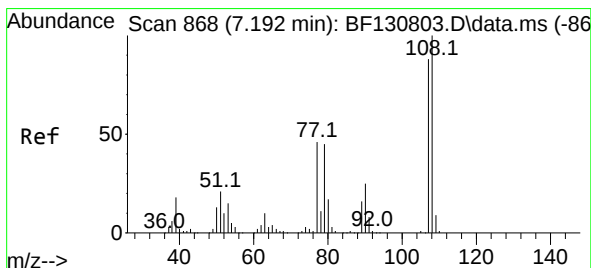
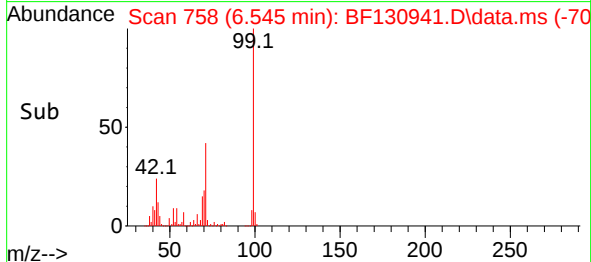
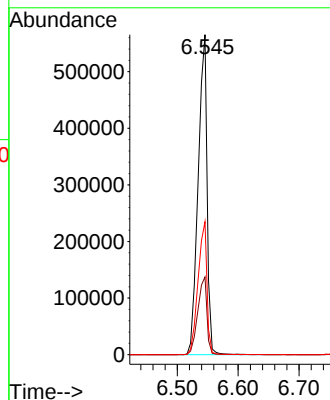
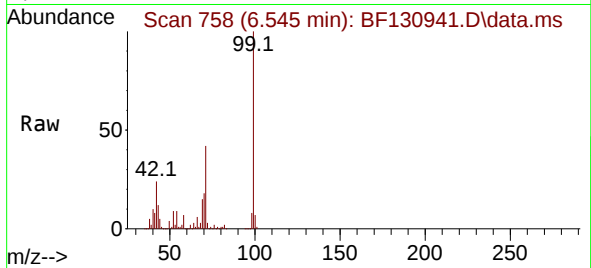




#7
Phenol-d6
Concen: 122.228 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

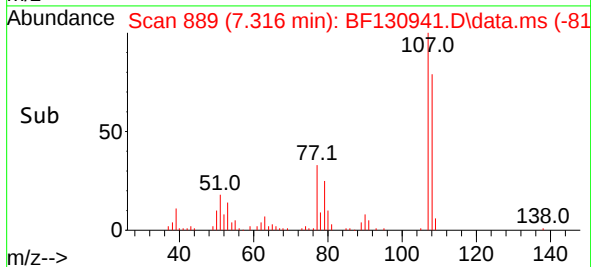
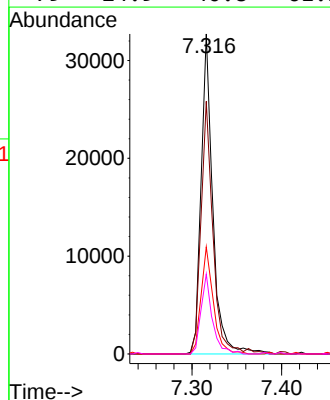
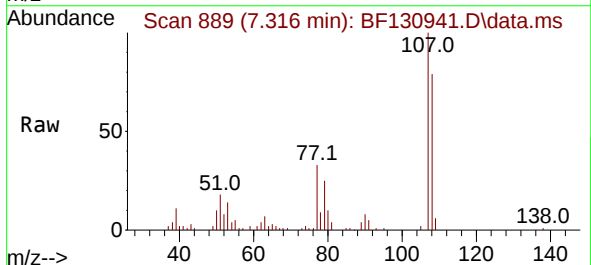
Instrument :
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ClientSampleId :
S-11-103122

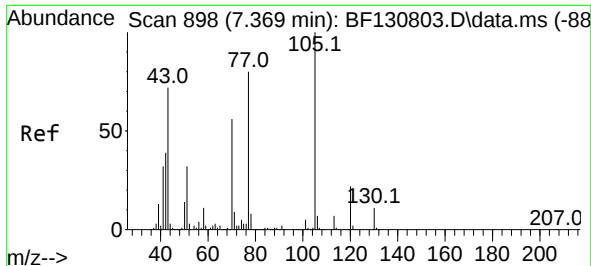
Tgt Ion: 99 Resp: 578303
Ion Ratio Lower Upper
99 100
42 24.3 18.8 28.2
71 41.6 31.4 47.0



#17
2-Methylphenol
Concen: 8.563 ng
RT: 7.316 min Scan# 889
Delta R.T. 0.141 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

Tgt Ion: 107 Resp: 29685
Ion Ratio Lower Upper
107 100
108 79.0 90.5 135.7#
77 33.4 41.2 61.8#
79 24.9 40.8 61.2#





#19

n-Nitroso-di-n-propylamine

Concen: 16.919 ng

RT: 7.487 min Scan# 91

Delta R.T. 0.147 min

Lab File: BF130941.D

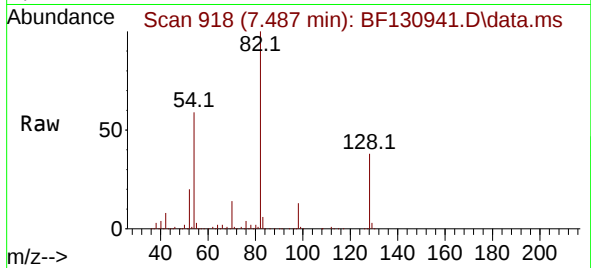
Acq: 02 Nov 2022 21:08

Instrument :

BNA_F

ClientSampleId :

S-11-103122



Tgt Ion: 70 Resp: 54466

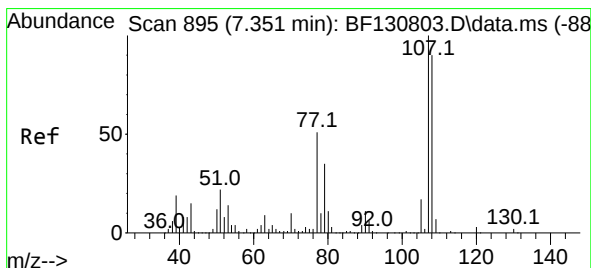
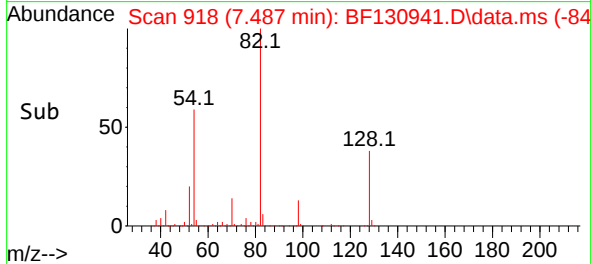
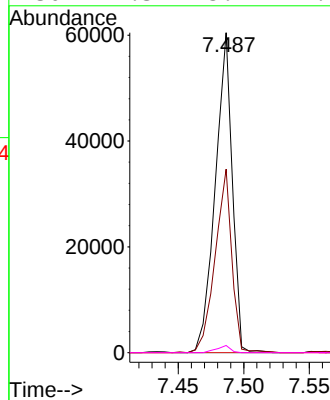
Ion Ratio Lower Upper

70 100

42 57.4 56.1 84.1

101 0.0 7.3 10.9#

130 2.3 15.2 22.8#



#20

3+4-Methylphenols

Concen: 6.586 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF130941.D

Acq: 02 Nov 2022 21:08

Tgt Ion: 107 Resp: 29685

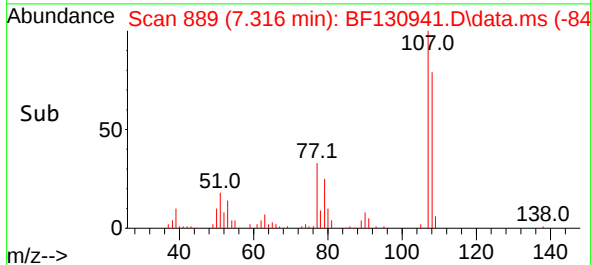
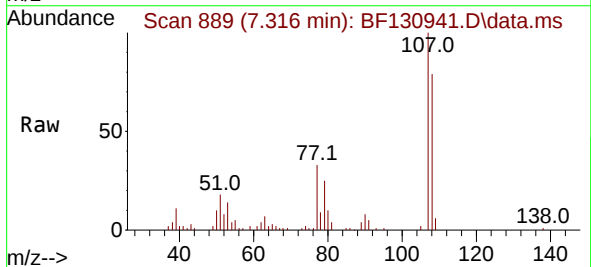
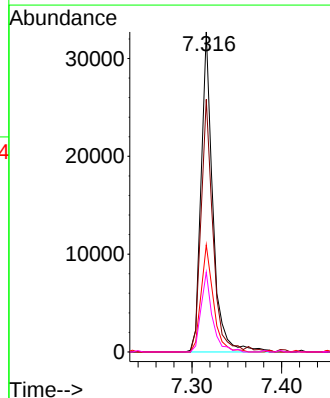
Ion Ratio Lower Upper

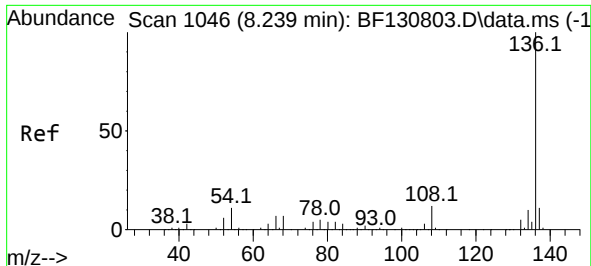
107 100

108 79.0 70.4 110.4

77 33.4 31.1 71.1

79 24.9 14.5 54.5

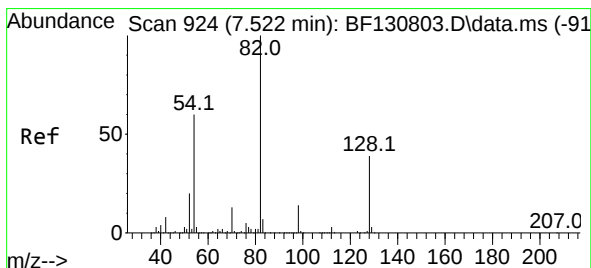
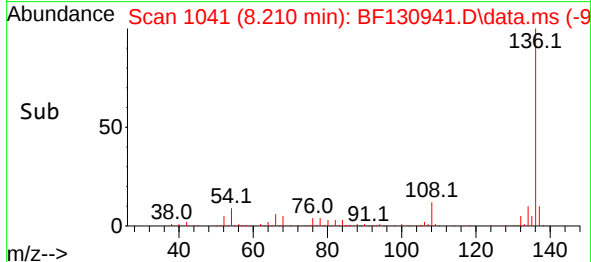
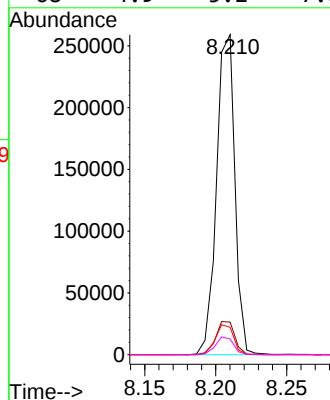
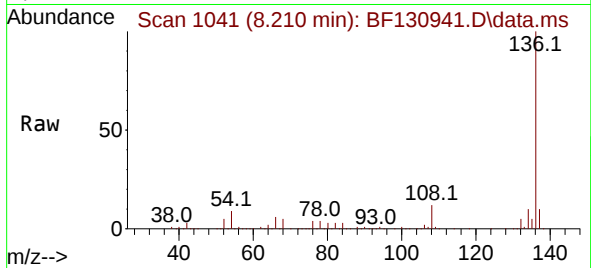




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

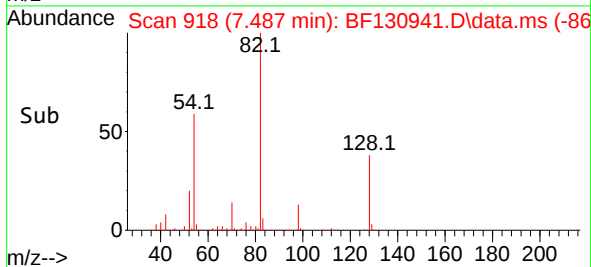
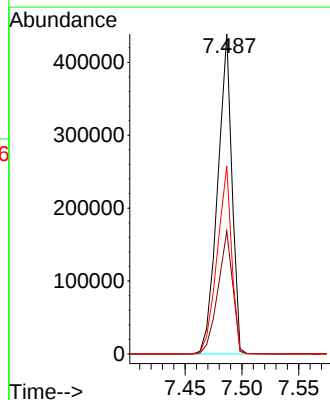
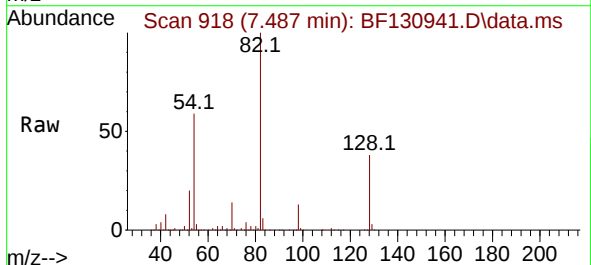
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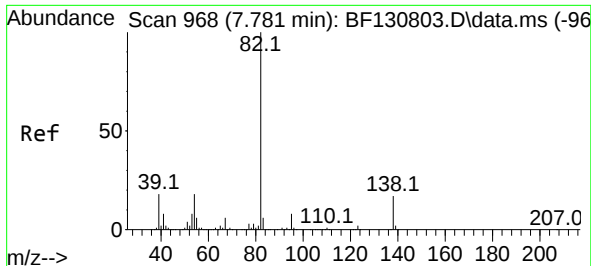
Tgt	Ion:136	Resp:	232152
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.2	13.8
54	8.6	8.8	13.2#
68	4.9	5.2	7.8#



#23
Nitrobenzene-d5
Concen: 100.413 ng
RT: 7.487 min Scan# 918
Delta R.T. -0.006 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

Tgt Ion: 82	Resp: 386592
Ion Ratio	Lower Upper
82 100	
128 38.4	31.2 46.8
54 58.7	48.0 72.0

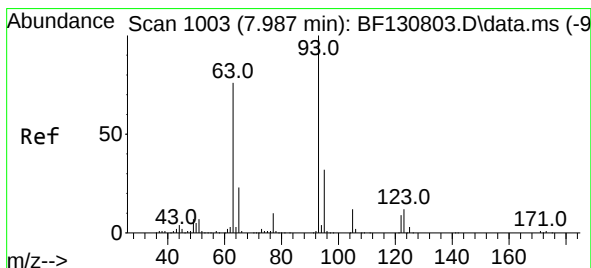
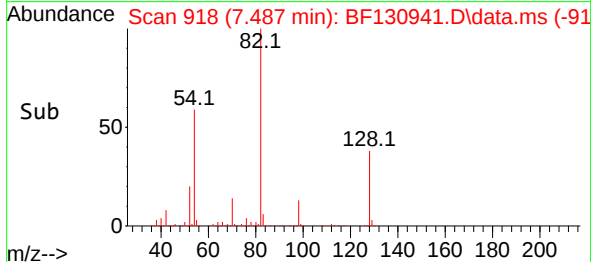
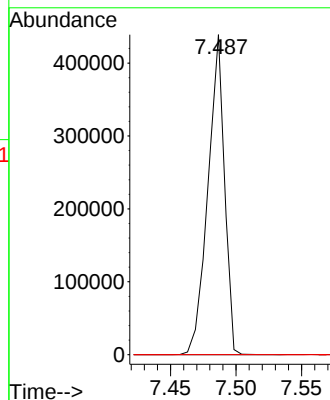
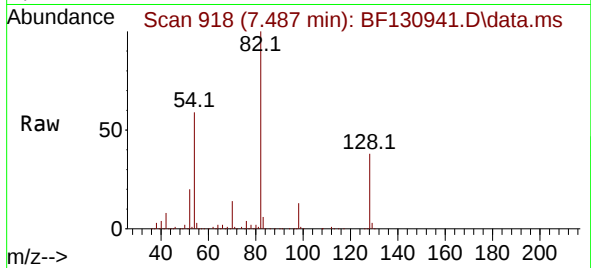




#25
Isophorone
Concen: 48.685 ng
RT: 7.487 min Scan# 918
Delta R.T. -0.265 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

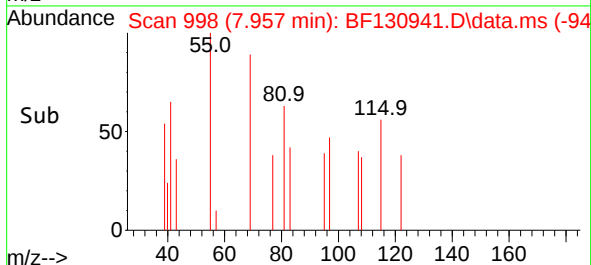
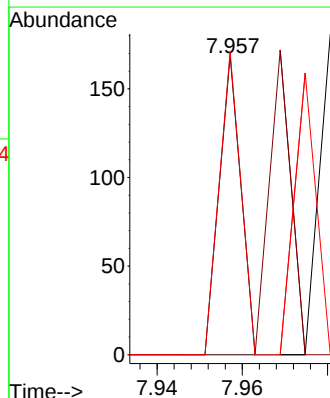
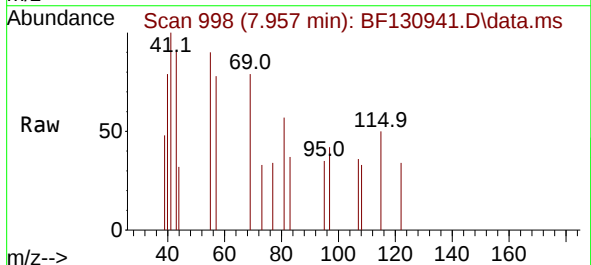
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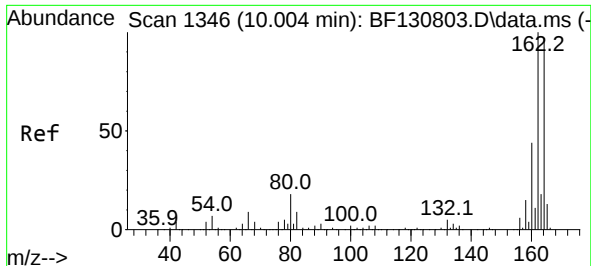
Tgt Ion: 82 Resp: 386524
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.701 ng
RT: 7.957 min Scan# 998
Delta R.T. -0.012 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

Tgt Ion: 122 Resp: 60
Ion Ratio Lower Upper
122 100
105 0.0 114.5 154.5#
77 101.2 89.8 129.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.969 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130941.D

Acq: 02 Nov 2022 21:08

Instrument :

BNA_F

ClientSampleId :

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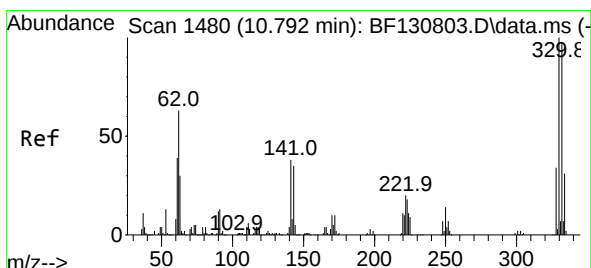
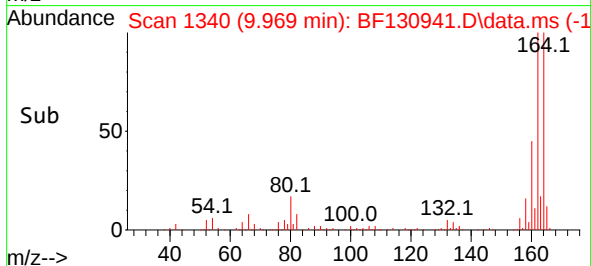
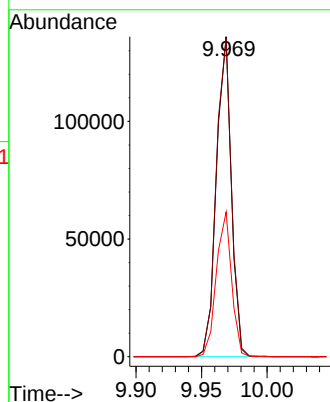
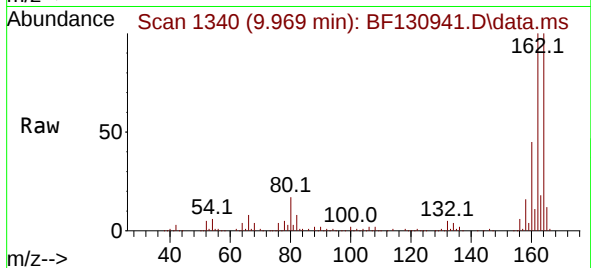
Tgt Ion:164 Resp: 107504

Ion Ratio Lower Upper

164 100

162 99.5 82.2 123.2

160 45.3 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 120.609 ng

RT: 10.757 min Scan# 1474

Delta R.T. -0.012 min

Lab File: BF130941.D

Acq: 02 Nov 2022 21:08

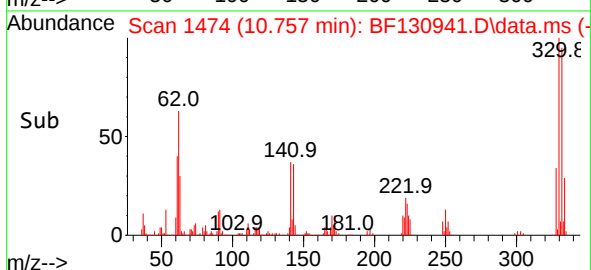
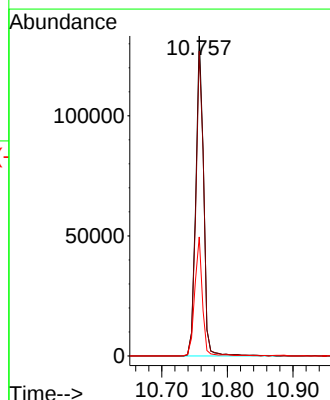
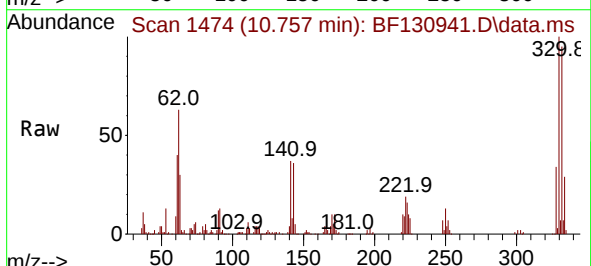
Tgt Ion:330 Resp: 109147

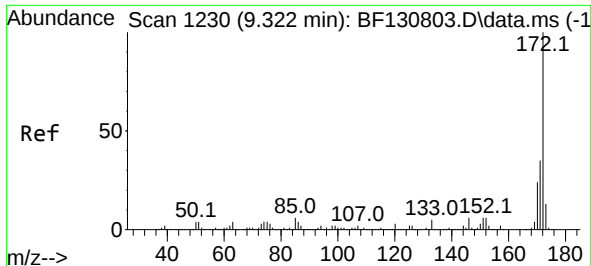
Ion Ratio Lower Upper

330 100

332 96.7 76.2 114.4

141 36.8 31.4 47.0

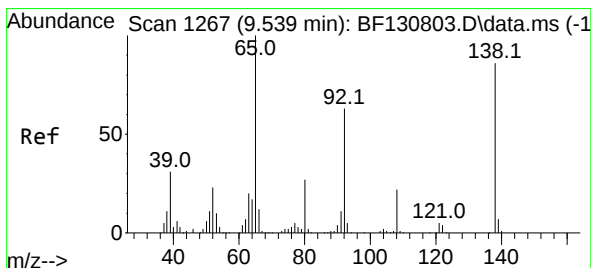
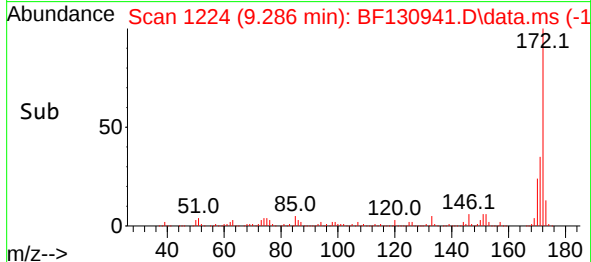
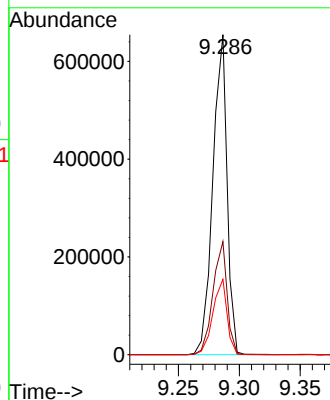
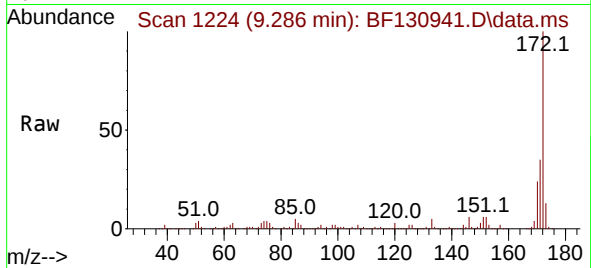




#45
2-Fluorobiphenyl
Concen: 75.014 ng
RT: 9.286 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

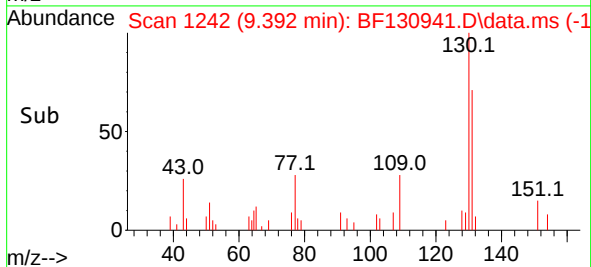
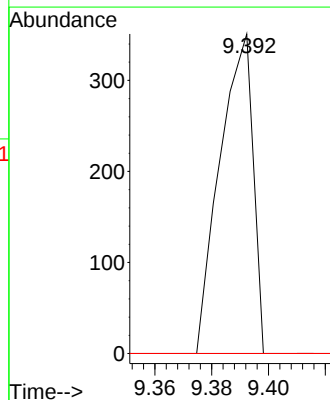
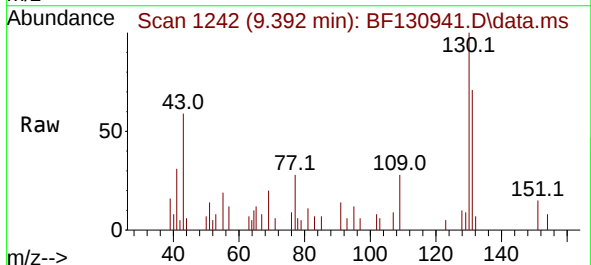
Instrument :
BNA_F
ClientSampleId :
S-11-103122

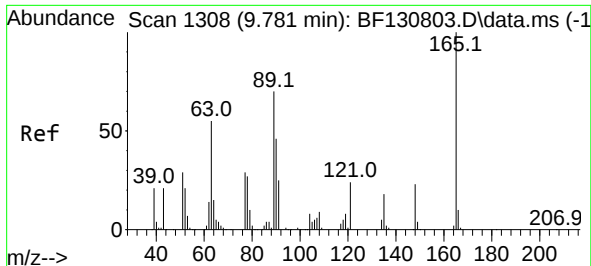
Tgt Ion:172 Resp: 533398
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 23.6 19.0 28.4



#48
2-Nitroaniline
Concen: 4.278 ng
RT: 9.392 min Scan# 1242
Delta R.T. -0.124 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

Tgt Ion: 65 Resp: 284
Ion Ratio Lower Upper
65 100
92 0.0 50.1 75.1#
138 0.0 69.2 103.8#

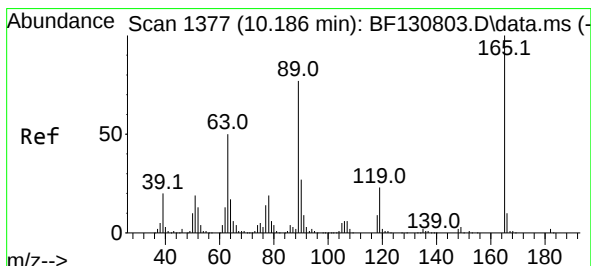
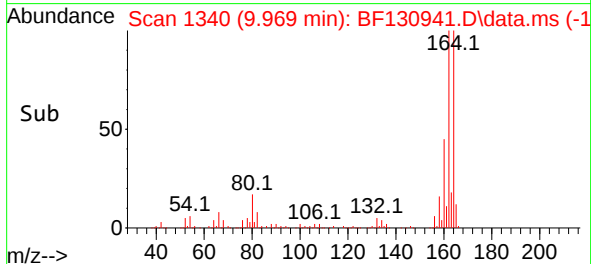
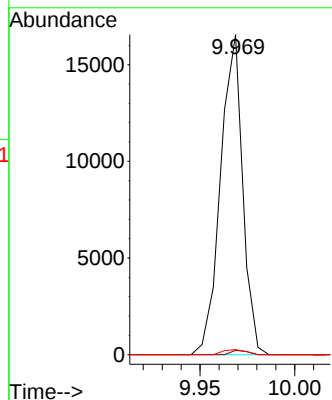
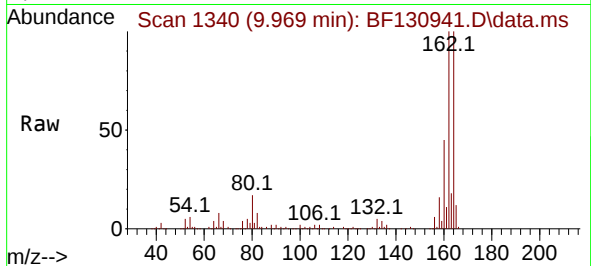




#51
2,6-Dinitrotoluene
Concen: 11.817 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

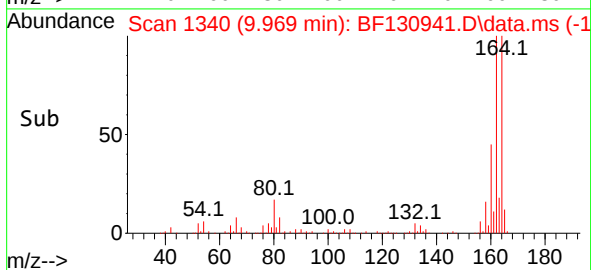
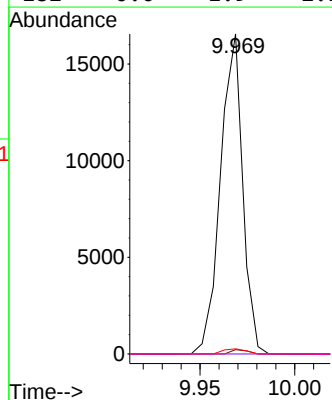
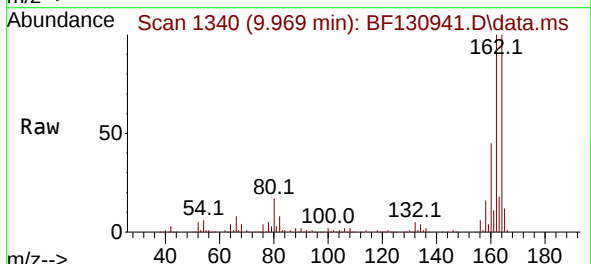
Instrument :
BNA_F
ClientSampleId :
S-11-103122

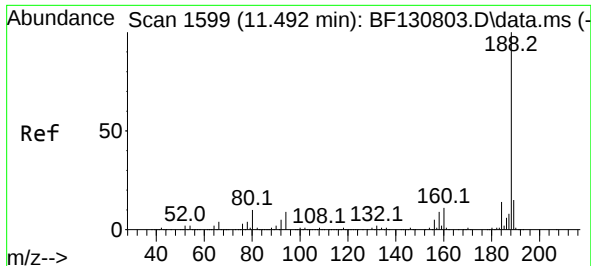
Tgt Ion:165 Resp: 13455
Ion Ratio Lower Upper
165 100
63 1.3 61.8 92.8#
89 1.6 56.2 84.4#



#57
2,4-Dinitrotoluene
Concen: 10.747 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.194 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

Tgt Ion:165 Resp: 13455
Ion Ratio Lower Upper
165 100
63 1.3 39.8 59.6#
89 1.6 61.9 92.9#
182 0.0 1.9 2.9#

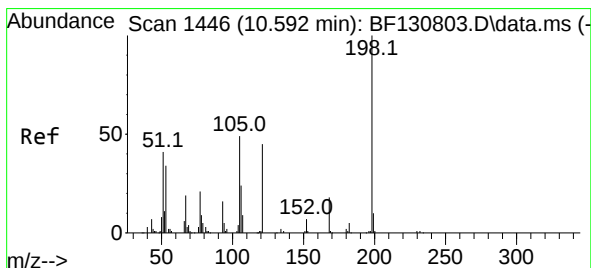
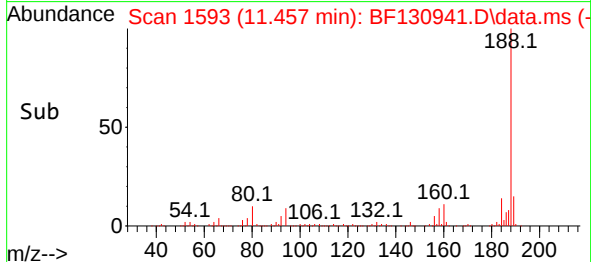
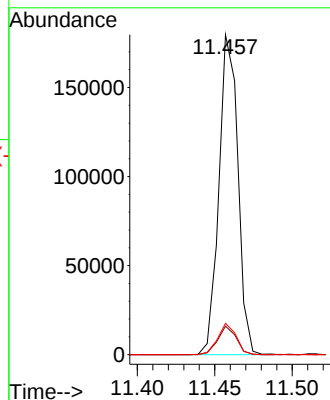
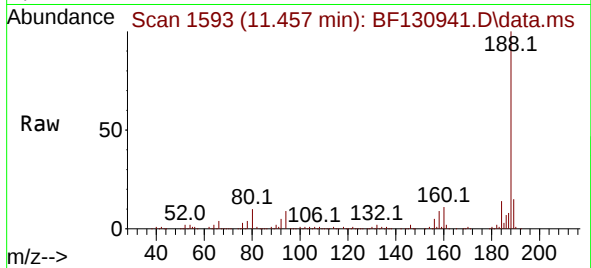




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

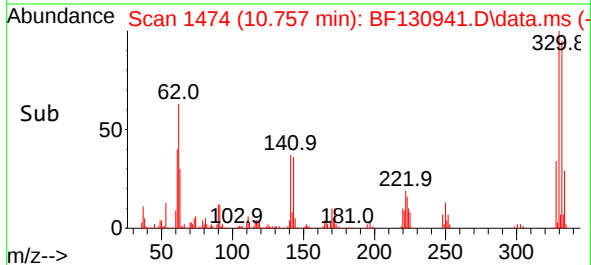
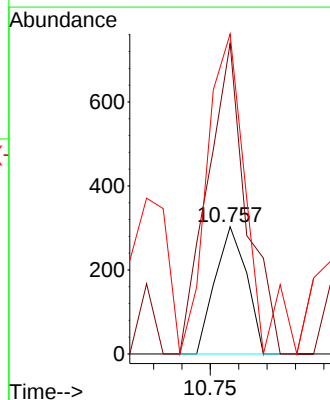
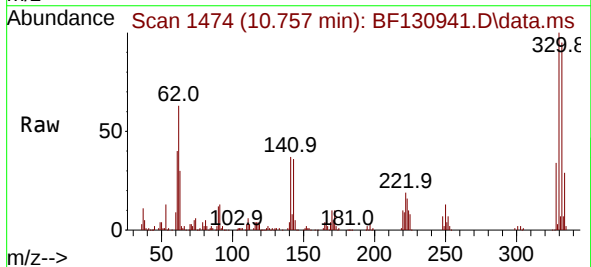
Instrument :
BNA_F
ClientSampleId :
S-11-103122

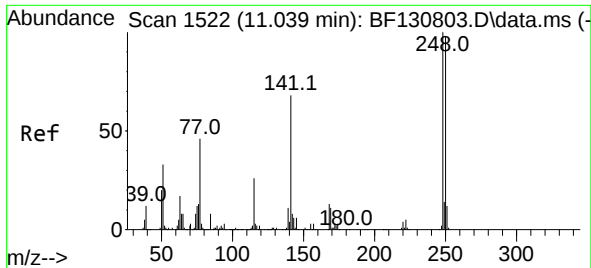
Tgt Ion:188 Resp: 152754
Ion Ratio Lower Upper
188 100
94 8.9 7.4 11.2
80 9.8 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 8.233 ng
RT: 10.757 min Scan# 1474
Delta R.T. 0.188 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

Tgt Ion:198 Resp: 233
Ion Ratio Lower Upper
198 100
51 244.2 39.0 79.0#
105 251.5 30.6 70.6#

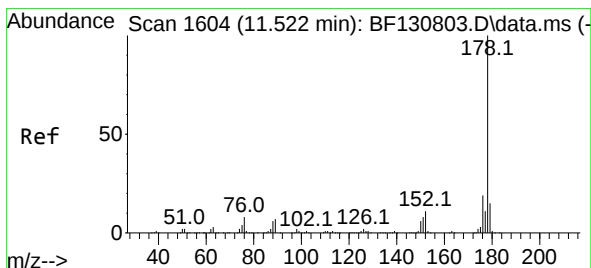
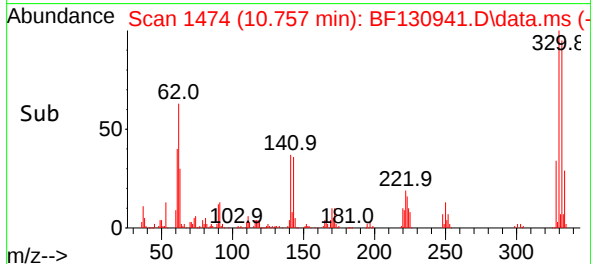
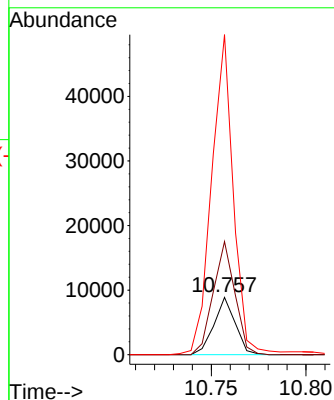
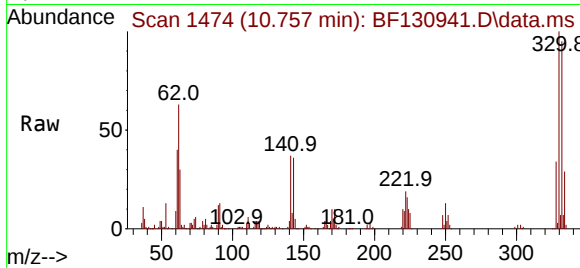




#67
4-Bromophenyl-phenylether
Concen: 4.534 ng
RT: 10.757 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

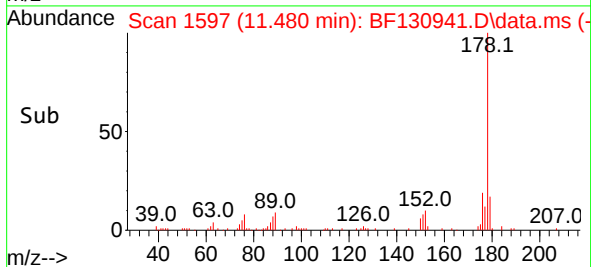
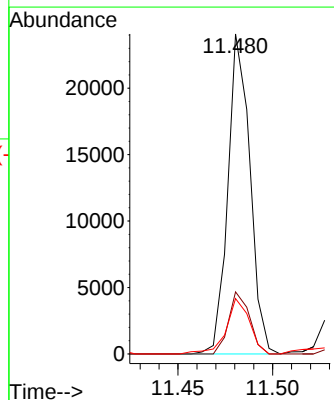
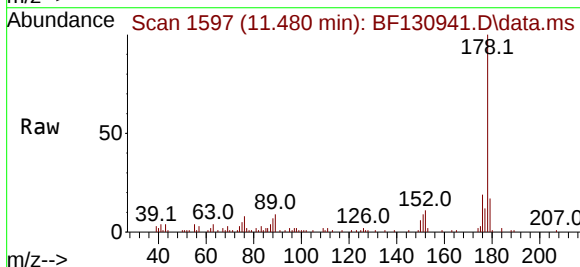
Instrument :
BNA_F
ClientSampleId :
S-11-103122

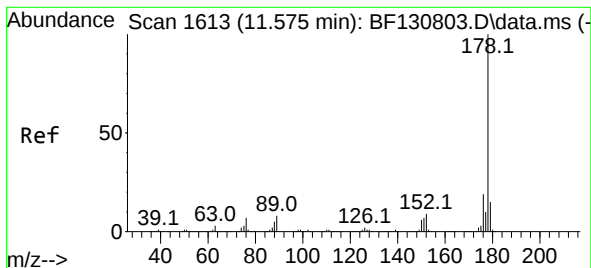
Tgt Ion:248 Resp: 6965
Ion Ratio Lower Upper
248 100
250 197.5 78.6 117.8#
141 558.6 54.2 81.4#



#71
Phenanthrene
Concen: 2.477 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.012 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

Tgt Ion:178 Resp: 19530
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 17.3 12.2 18.2





#72

Anthracene

Concen: 2.511 ng

RT: 11.480 min Scan# 11

Delta R.T. -0.065 min

Lab File: BF130941.D

Acq: 02 Nov 2022 21:08

Instrument :

BNA_F

ClientSampleId :

S-11-103122

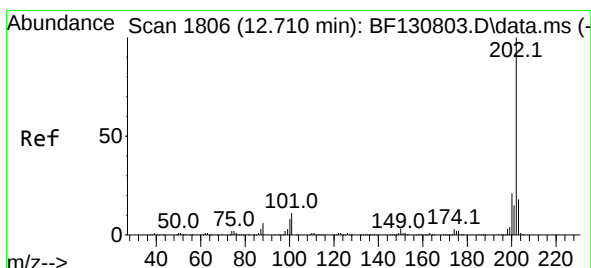
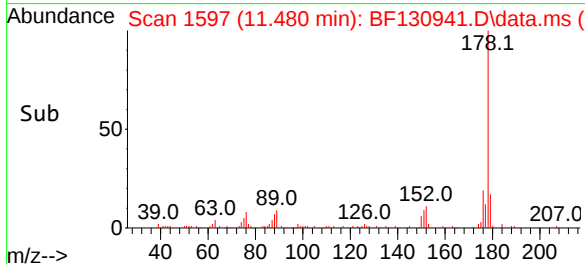
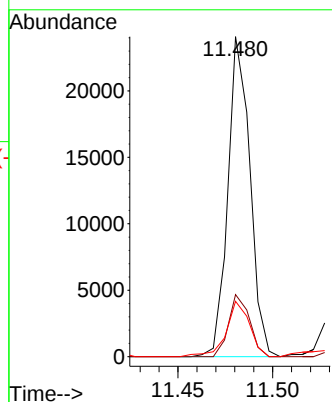
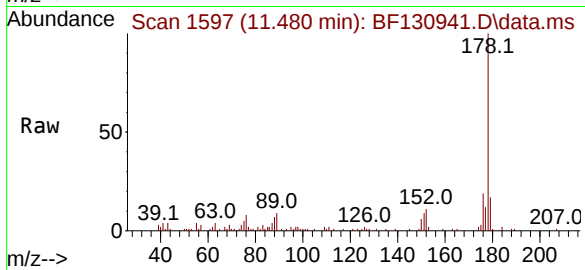
Tgt Ion:178 Resp: 19530

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

179 17.3 12.2 18.4



#75

Fluoranthene

Concen: 4.828 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.012 min

Lab File: BF130941.D

Acq: 02 Nov 2022 21:08

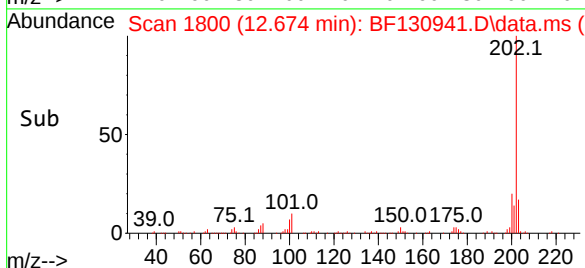
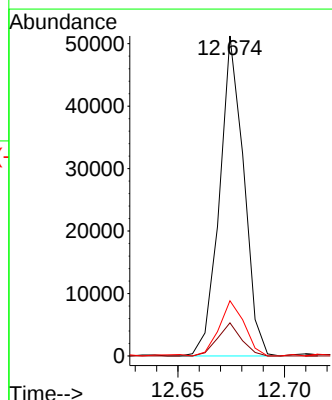
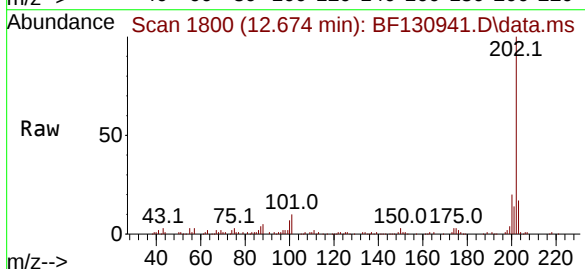
Tgt Ion:202 Resp: 40447

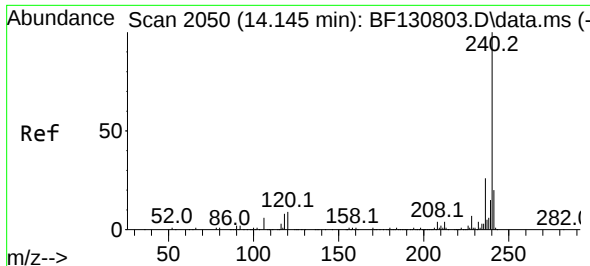
Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.9

203 17.2 0.0 37.7

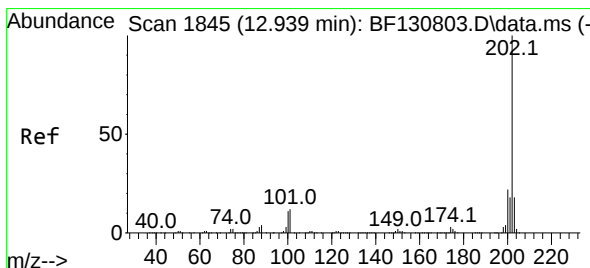
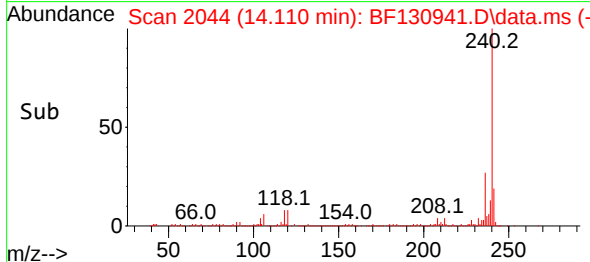
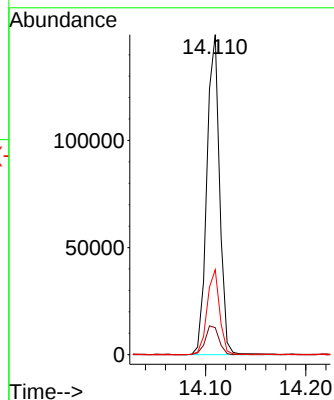
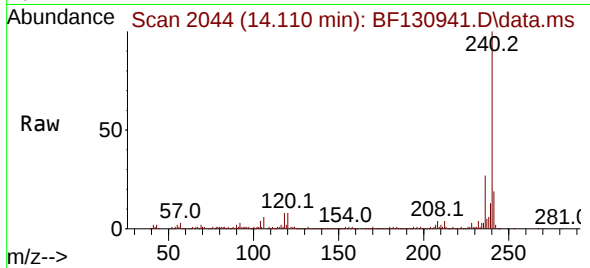




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2050
Delta R.T. -0.012 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

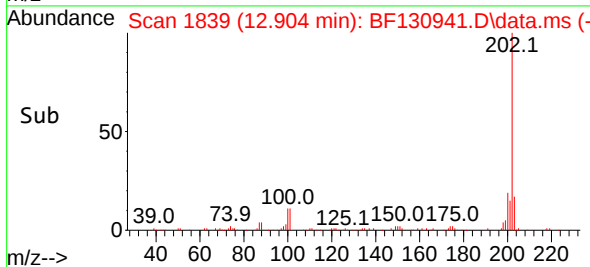
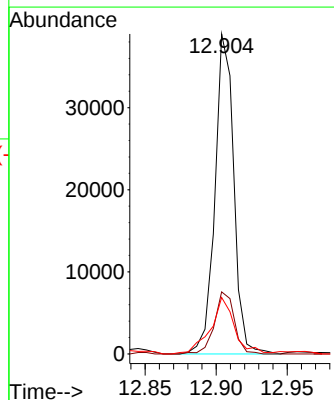
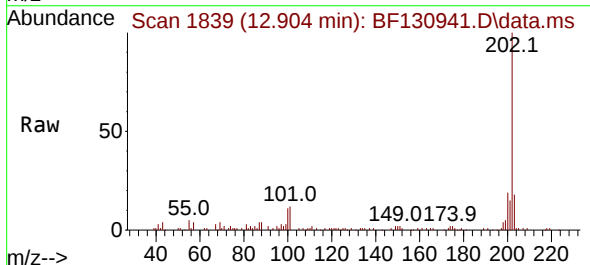
Instrument :
BNA_F
ClientSampleId :
S-11-103122

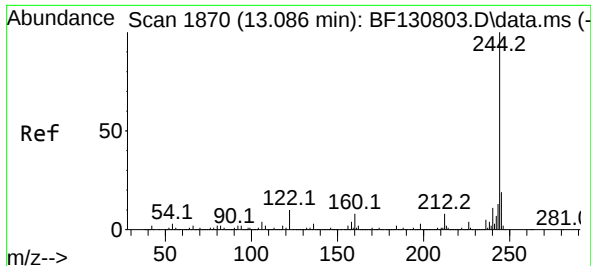
Tgt Ion:240 Resp: 132259
Ion Ratio Lower Upper
240 100
120 8.4 7.0 10.4
236 26.5 20.5 30.7



#78
Pyrene
Concen: 3.225 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

Tgt Ion:202 Resp: 35989
Ion Ratio Lower Upper
202 100
200 19.4 17.2 25.8
203 17.6 14.5 21.7

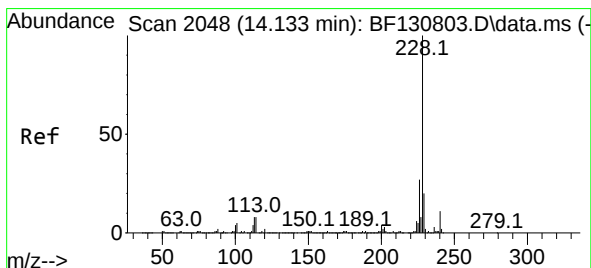
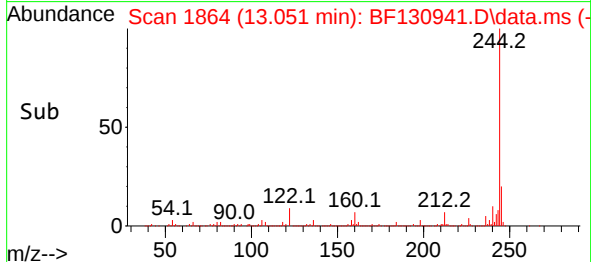
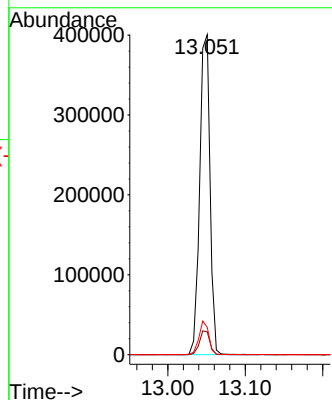
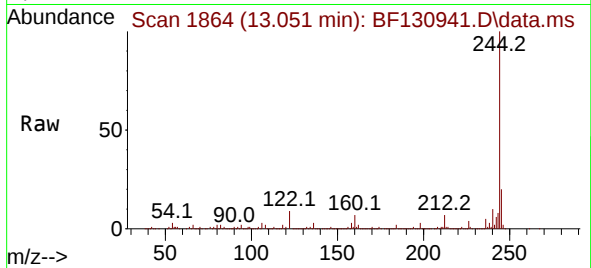




#79
 Terphenyl-d14
 Concen: 51.202 ng
 RT: 13.051 min Scan# 1864
 Delta R.T. -0.006 min
 Lab File: BF130941.D
 Acq: 02 Nov 2022 21:08

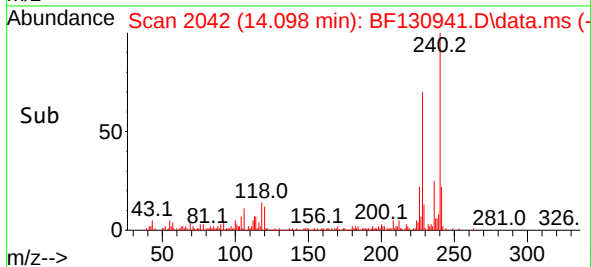
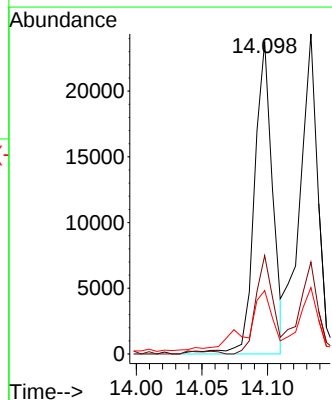
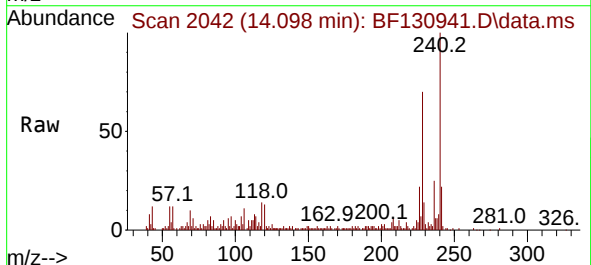
Instrument :
 BNA_F
 ClientSampleId :
 S-11-103122

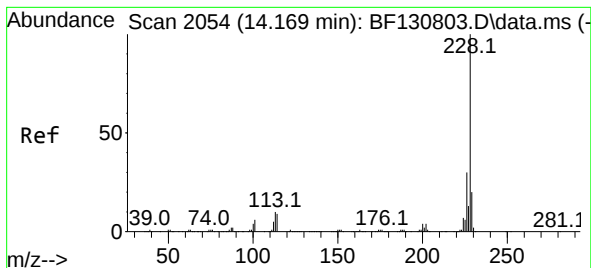
Tgt Ion:244 Resp: 369557
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.2
 122 8.6 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 2.602 ng
 RT: 14.098 min Scan# 2042
 Delta R.T. -0.012 min
 Lab File: BF130941.D
 Acq: 02 Nov 2022 21:08

Tgt Ion:228 Resp: 22820
 Ion Ratio Lower Upper
 228 100
 226 31.5 21.4 32.2
 229 20.3 15.8 23.6





#83

Chrysene

Concen: 2.561 ng

RT: 14.133 min Scan# 2048

Delta R.T. -0.012 min

Lab File: BF130941.D

Acq: 02 Nov 2022 21:08

Instrument :

BNA_F

ClientSampleId :

S-11-103122

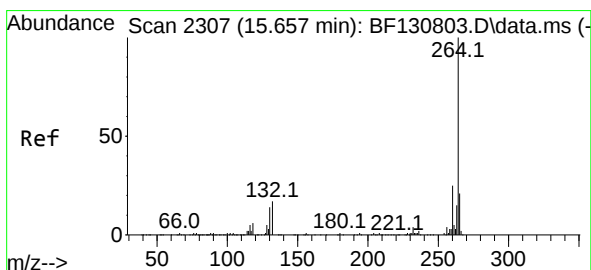
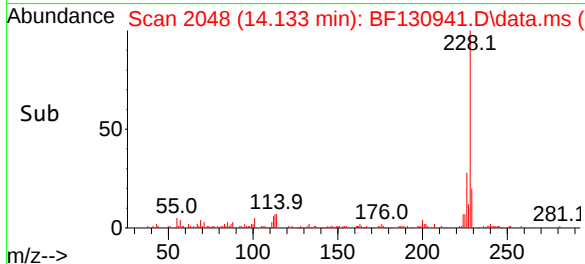
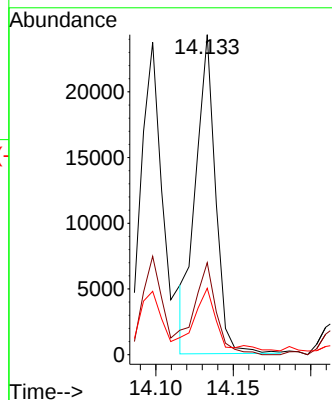
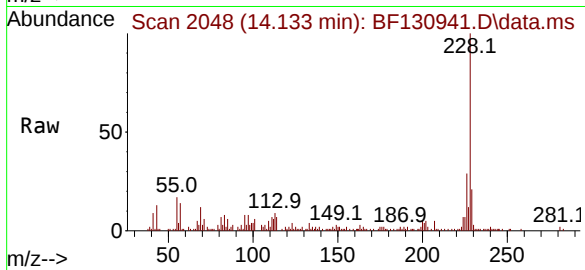
Tgt Ion:228 Resp: 21665

Ion Ratio Lower Upper

228 100

226 28.8 23.9 35.9

229 20.8 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 2301

Delta R.T. -0.006 min

Lab File: BF130941.D

Acq: 02 Nov 2022 21:08

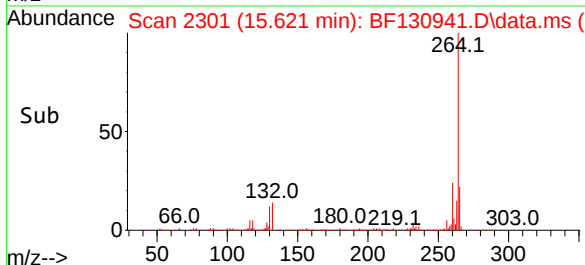
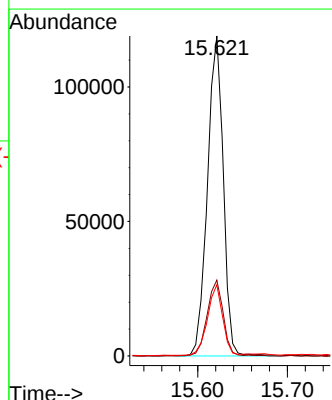
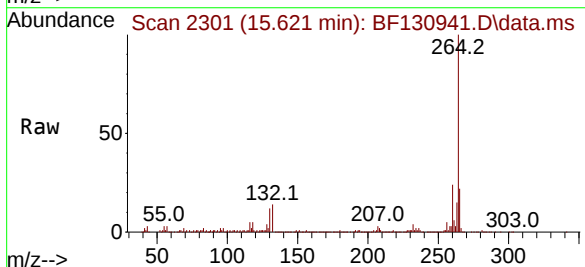
Tgt Ion:264 Resp: 145826

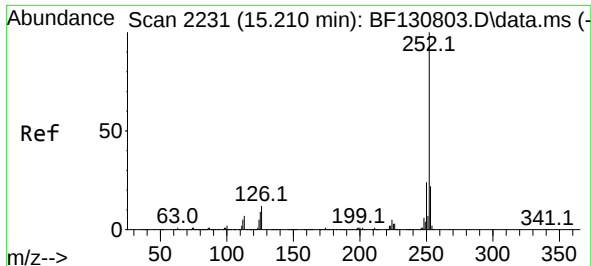
Ion Ratio Lower Upper

264 100

260 23.7 19.9 29.9

265 22.3 17.0 25.6

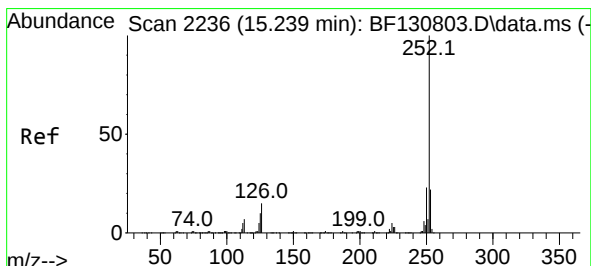
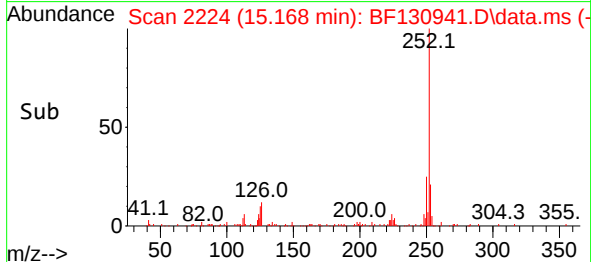
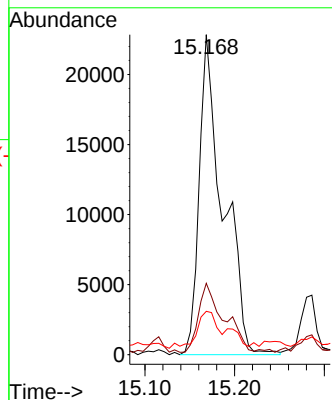
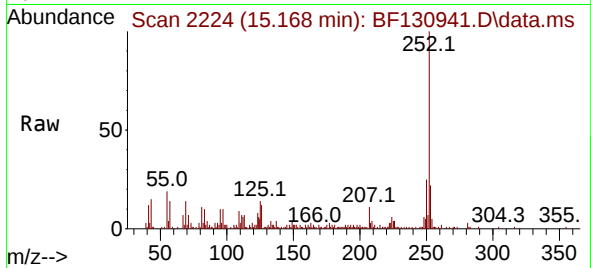




#88
Benzo(b)fluoranthene
Concen: 4.458 ng
RT: 15.168 min Scan# 211
Delta R.T. -0.012 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

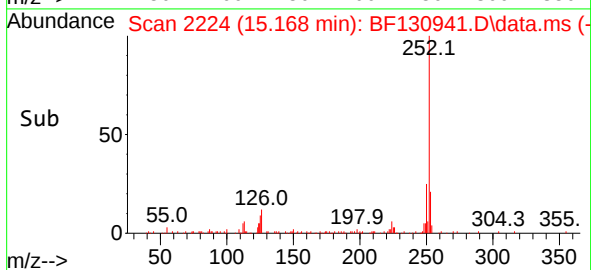
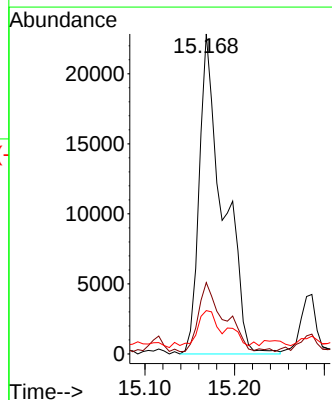
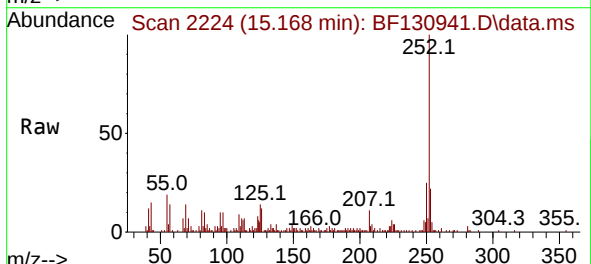
Instrument :
BNA_F
ClientSampleId :
S-11-103122

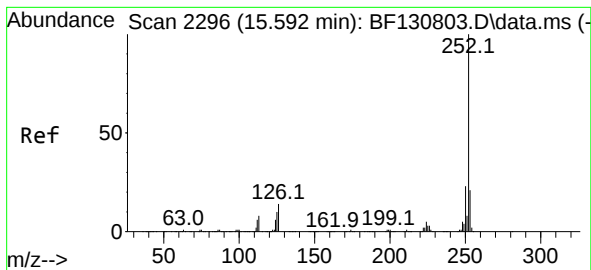
Tgt Ion:252 Resp: 42025
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 13.6 7.0 10.4#



#89
Benzo(k)fluoranthene
Concen: 4.575 ng
RT: 15.168 min Scan# 2224
Delta R.T. -0.047 min
Lab File: BF130941.D
Acq: 02 Nov 2022 21:08

Tgt Ion:252 Resp: 42025
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 13.6 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 3.025 ng

RT: 15.551 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF130941.D

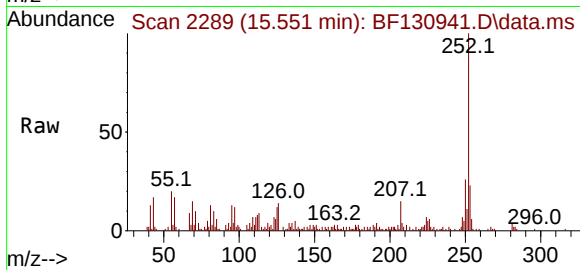
Acq: 02 Nov 2022 21:08

Instrument :

BNA_F

ClientSampleId :

S-11-103122



Tgt Ion:	252	Resp:	22926
Ion Ratio	Lower	Upper	
252	100		
253	23.5	16.8	25.2
125	12.2	8.3	12.5

