

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110222\
 Data File : BF130943.D
 Acq On : 02 Nov 2022 22:13
 Operator : CG\JU
 Sample : N5395-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-8-103122

Quant Time: Nov 03 03:48:23 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

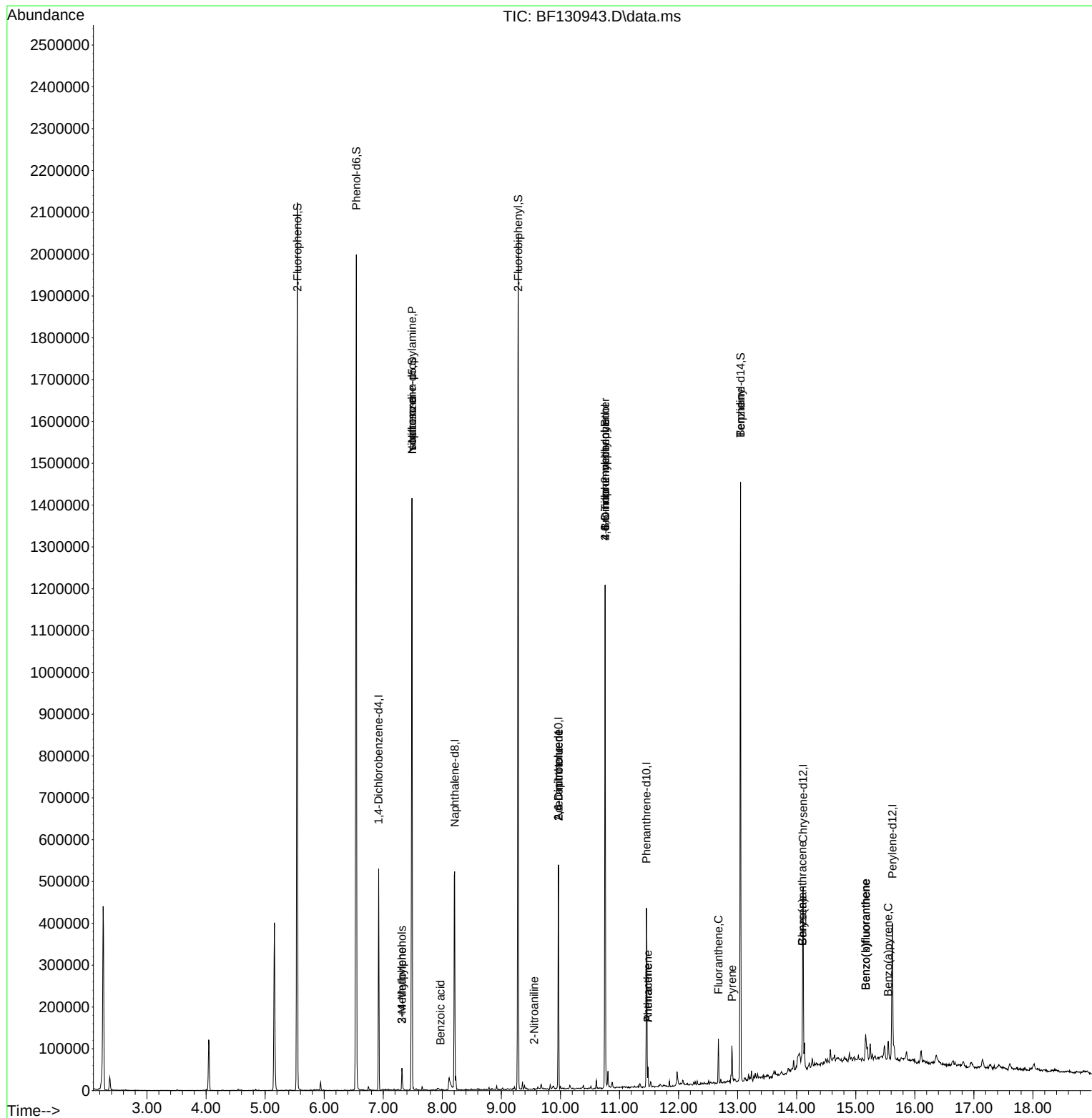
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	63288	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	222969	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	100682	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	144496	20.000	ng	-0.01
76) Chrysene-d12	14.110	240	137121	20.000	ng	-0.01
86) Perylene-d12	15.621	264	146622	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.546	112	518559	142.046	ng	0.00
7) Phenol-d6	6.545	99	632321	133.288	ng	0.00
23) Nitrobenzene-d5	7.487	82	422332	114.214	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	114907	135.577	ng	-0.01
45) 2-Fluorobiphenyl	9.286	172	582334	87.446	ng	0.00
79) Terphenyl-d14	13.051	244	454166	60.694	ng	0.00
Target Compounds						
17) 2-Methylphenol	7.316	107	13634	3.922	ng	# 70
19) n-Nitroso-di-n-propyla...	7.487	70	58463	18.113	ng	# 77
20) 3+4-Methylphenols	7.316	107	13634	3.017	ng	85
25) Isophorone	7.487	82	422218	55.371	ng	# 66
32) Benzoic acid	7.969	122	60	7.702	ng	# 1
48) 2-Nitroaniline	9.557	65	60	4.177	ng	# 12
51) 2,6-Dinitrotoluene	9.969	165	13356	12.358	ng	# 14
57) 2,4-Dinitrotoluene	9.969	165	13356	11.168	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.757	198	376	8.448	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	7861	5.410	ng	# 1
71) Phenanthrene	11.480	178	15128	2.028	ng	98
72) Anthracene	11.480	178	15128	2.057	ng	98
75) Fluoranthene	12.674	202	37013	4.671	ng	96
77) Benzidine	13.051	184	7186	2.159	ng	# 88
78) Pyrene	12.904	202	32902	2.844	ng	97
81) Benzo(a)anthracene	14.098	228	22305	2.453	ng	# 93
83) Chrysene	14.098	228	22305	2.544	ng	96
88) Benzo(b)fluoranthene	15.168	252	41207	4.348	ng	# 97
89) Benzo(k)fluoranthene	15.168	252	41207	4.462	ng	# 98
90) Benzo(a)pyrene	15.551	252	21500	2.822	ng	# 91

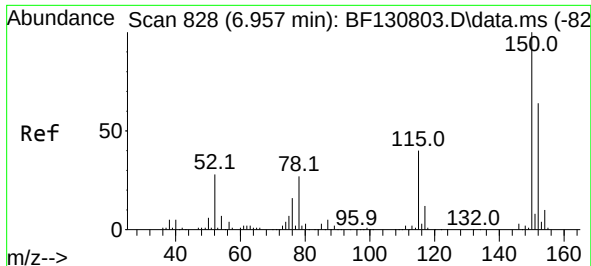
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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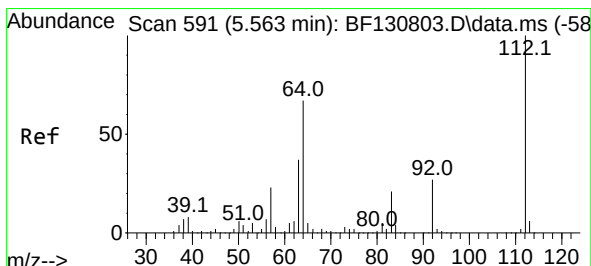
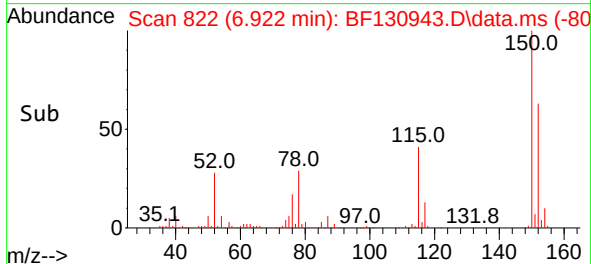
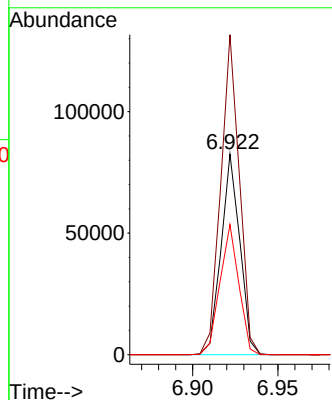
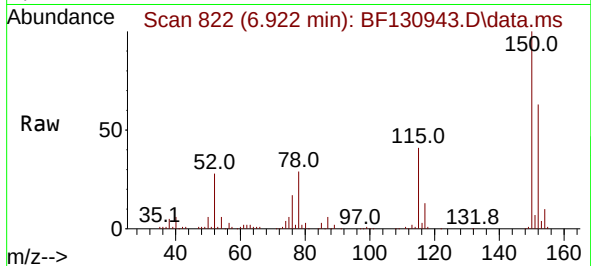




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

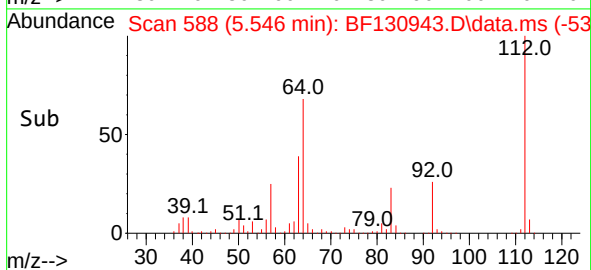
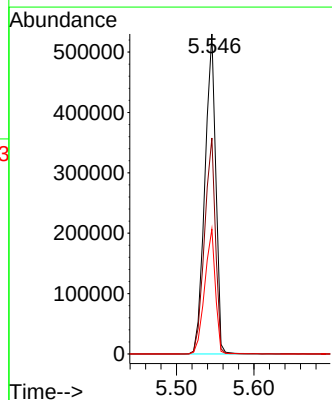
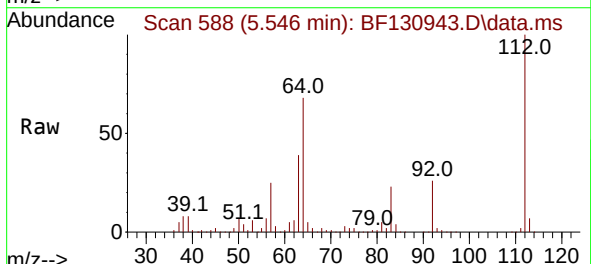
Instrument :
BNA_F
ClientSampleId :
S-8-103122

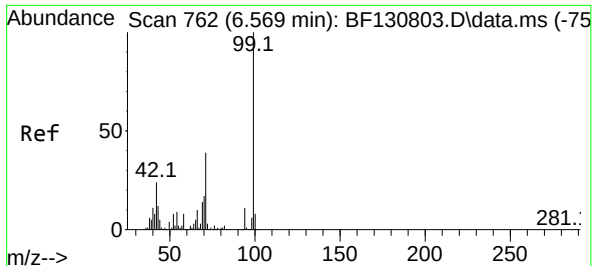
Tgt Ion:152 Resp: 63288
Ion Ratio Lower Upper
152 100
150 159.5 124.1 186.1
115 64.9 50.1 75.1



#5
2-Fluorophenol
Concen: 142.046 ng
RT: 5.546 min Scan# 588
Delta R.T. 0.006 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

Tgt Ion:112 Resp: 518559
Ion Ratio Lower Upper
112 100
64 67.5 53.9 80.9
63 39.1 29.4 44.2

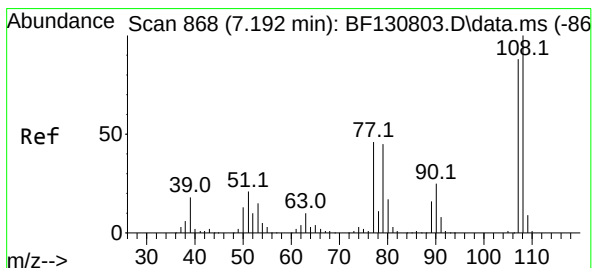
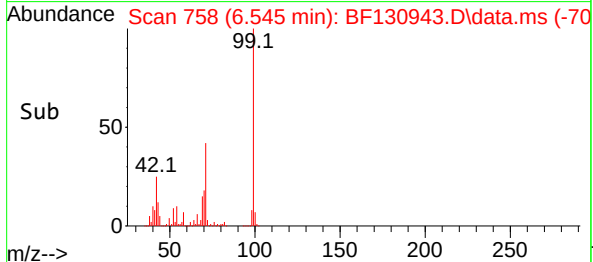
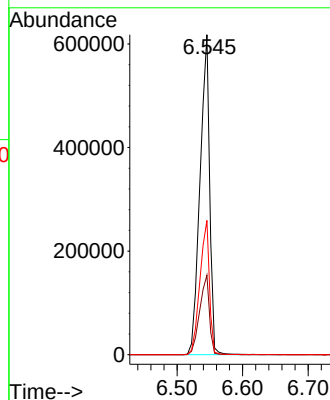
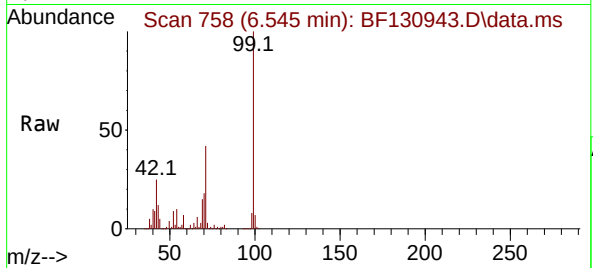




#7
Phenol-d6
Concen: 133.288 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

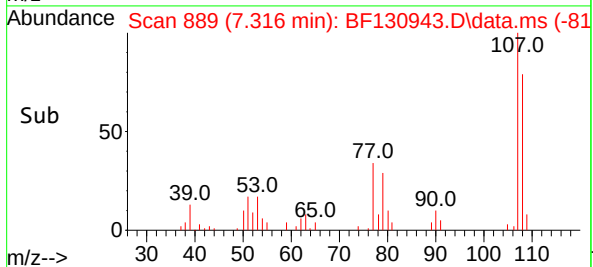
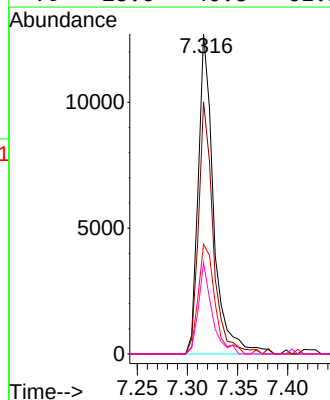
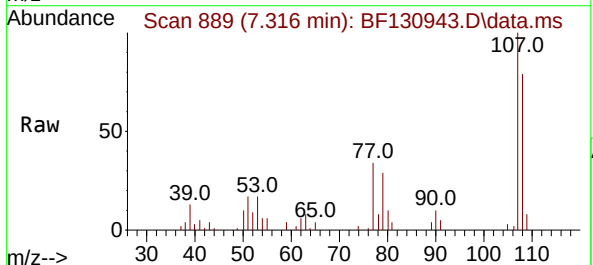
Instrument :
BNA_F
ClientSampleId :
S-8-103122

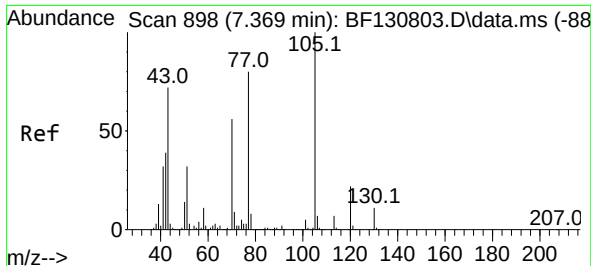
Tgt Ion: 99 Resp: 632321
Ion Ratio Lower Upper
99 100
42 24.9 18.8 28.2
71 42.0 31.4 47.0



#17
2-Methylphenol
Concen: 3.922 ng
RT: 7.316 min Scan# 889
Delta R.T. 0.141 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

Tgt Ion: 107 Resp: 13634
Ion Ratio Lower Upper
107 100
108 78.8 90.5 135.7#
77 34.3 41.2 61.8#
79 28.6 40.8 61.2#





#19

n-Nitroso-di-n-propylamine

Concen: 18.113 ng

RT: 7.487 min Scan# 918

Delta R.T. 0.147 min

Lab File: BF130943.D

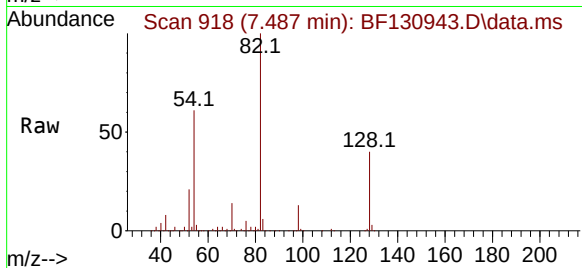
Acq: 02 Nov 2022 22:13

Instrument :

BNA_F

ClientSampleId :

S-8-103122



Tgt Ion: 70 Resp: 58463

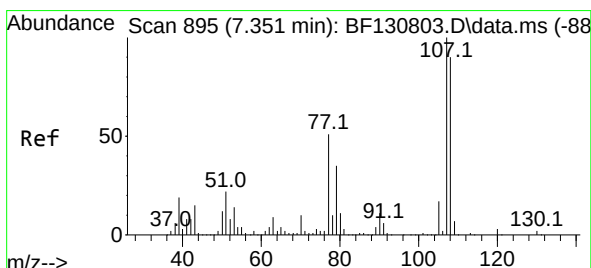
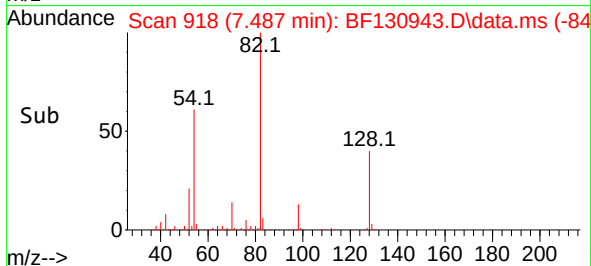
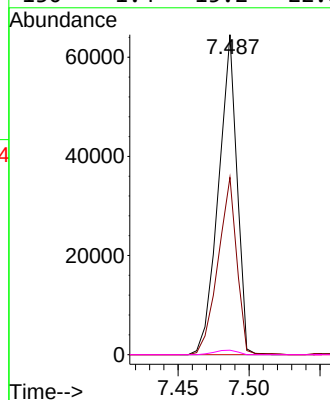
Ion Ratio Lower Upper

70 100

42 55.4 56.1 84.1#

101 0.0 7.3 10.9#

130 1.4 15.2 22.8#



#20

3+4-Methylphenols

Concen: 3.017 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF130943.D

Acq: 02 Nov 2022 22:13

Tgt Ion: 107 Resp: 13634

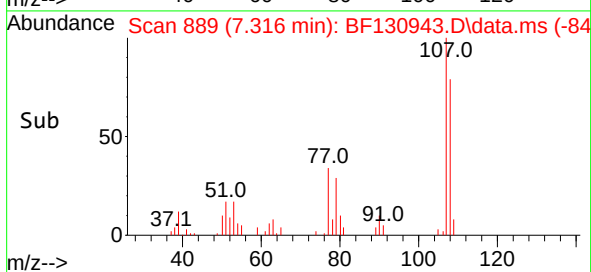
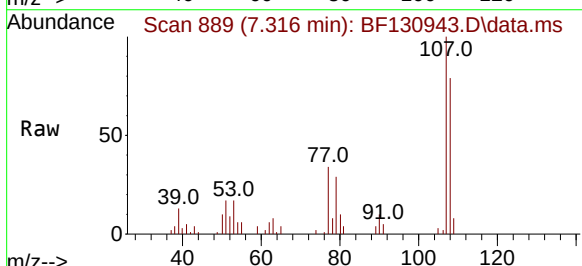
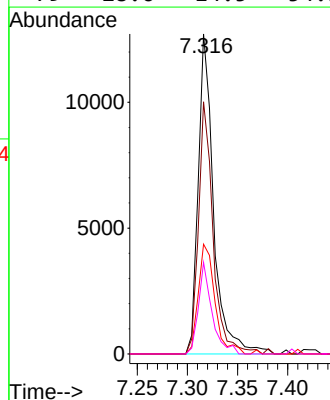
Ion Ratio Lower Upper

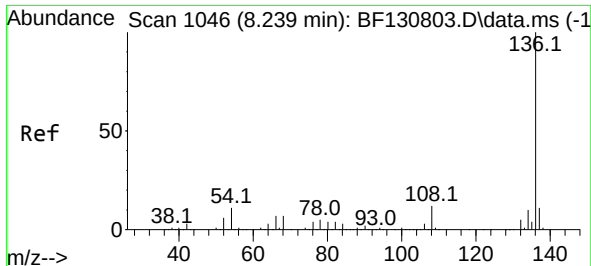
107 100

108 78.8 70.4 110.4

77 34.3 31.1 71.1

79 28.6 14.5 54.5

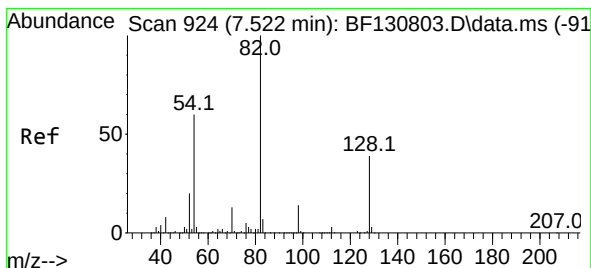
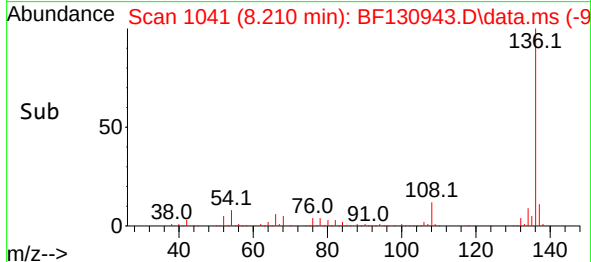
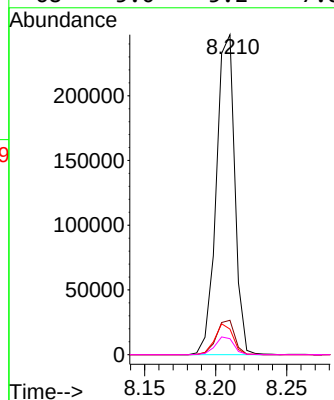
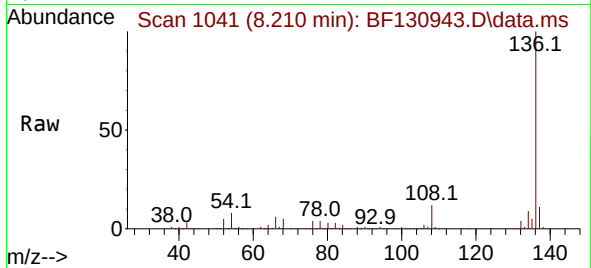




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

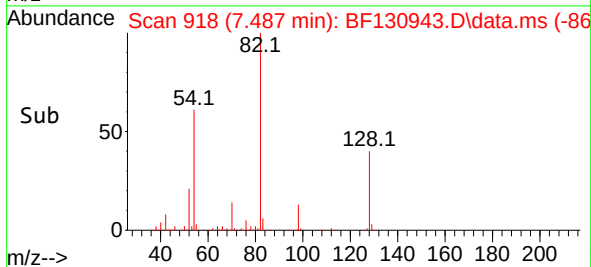
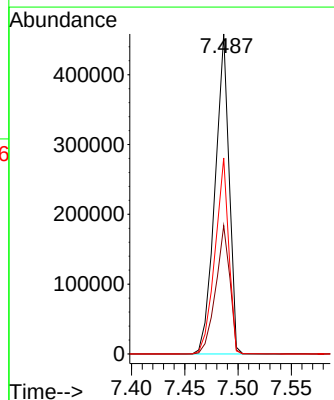
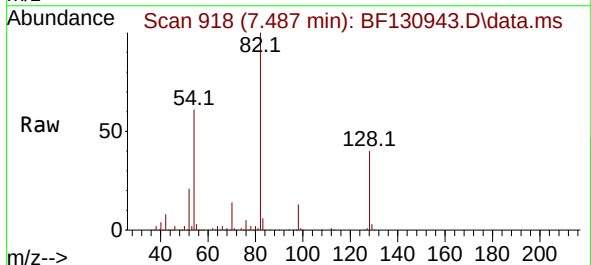
Instrument :
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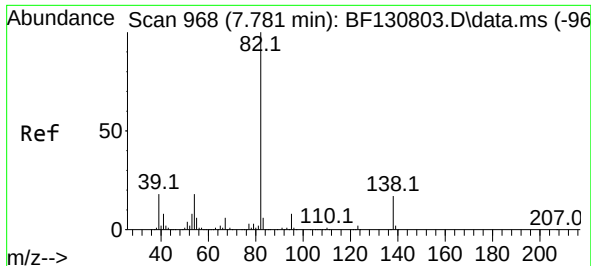
Tgt Ion:	136	Resp:	222969
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.2	13.8
54	8.0	8.8	13.2#
68	5.0	5.2	7.8#



#23
Nitrobenzene-d5
Concen: 114.214 ng
RT: 7.487 min Scan# 918
Delta R.T. -0.006 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

Tgt Ion:	82	Resp:	422332
Ion Ratio	Lower	Upper	
82	100		
128	40.1	31.2	46.8
54	61.2	48.0	72.0

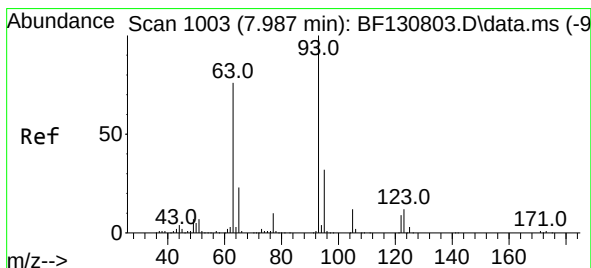
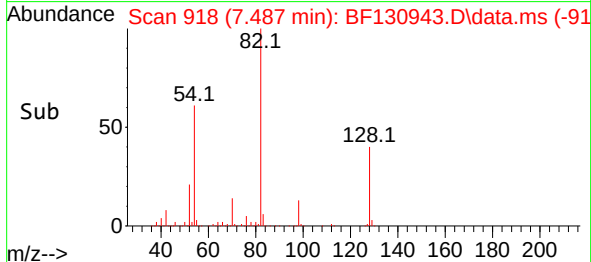
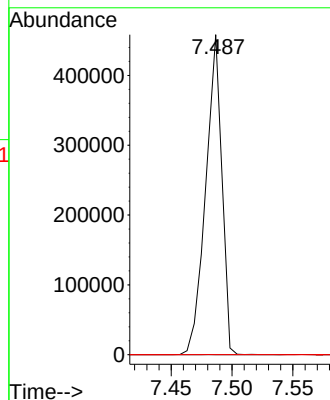
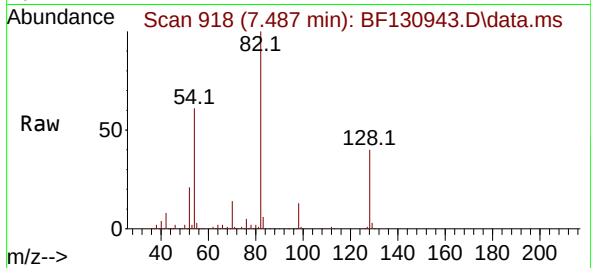




#25
Isophorone
Concen: 55.371 ng
RT: 7.487 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

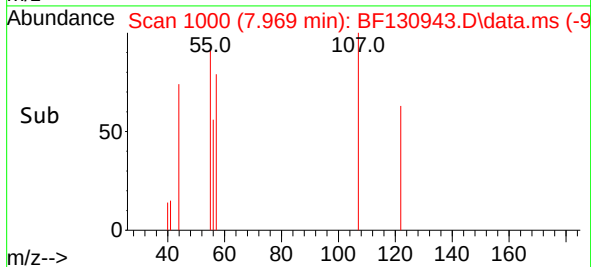
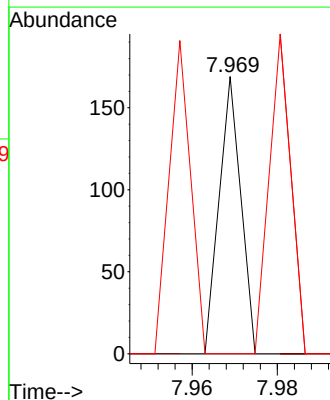
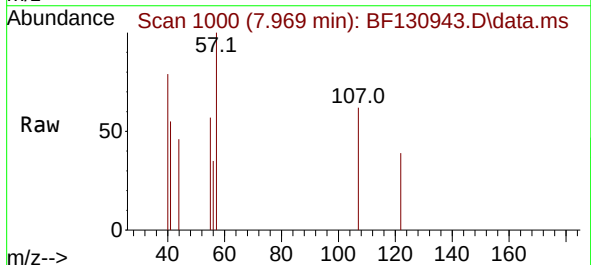
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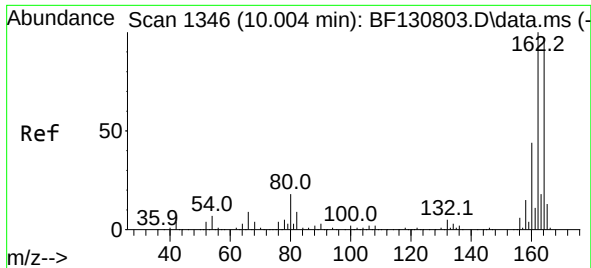
Tgt Ion: 82 Resp: 422218
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.702 ng
RT: 7.969 min Scan# 1000
Delta R.T. -0.000 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

Tgt Ion: 122 Resp: 60
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: 9.969 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130943.D

Acq: 02 Nov 2022 22:13

Instrument :

BNA_F

ClientSampleId :

S-8-103122

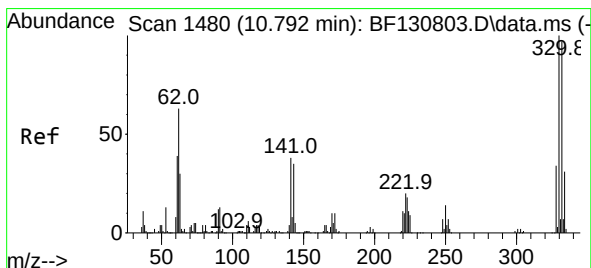
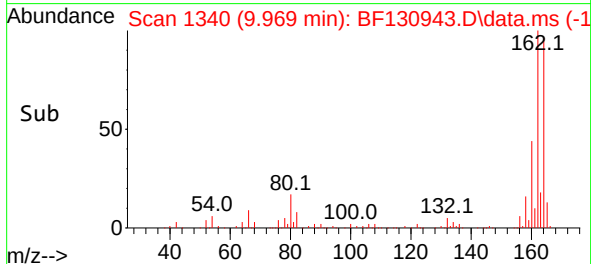
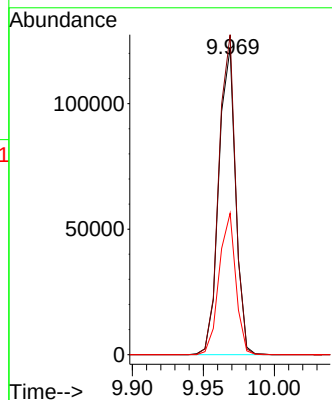
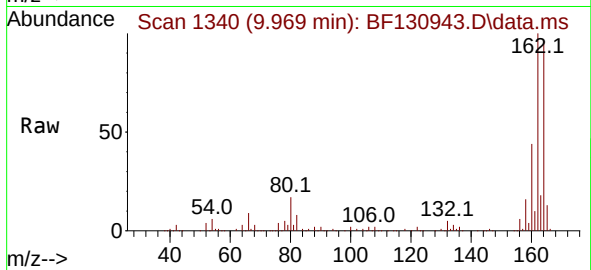
Tgt Ion:164 Resp: 100682

Ion Ratio Lower Upper

164 100

162 104.3 82.2 123.2

160 46.1 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 135.577 ng

RT: 10.757 min Scan# 1474

Delta R.T. -0.012 min

Lab File: BF130943.D

Acq: 02 Nov 2022 22:13

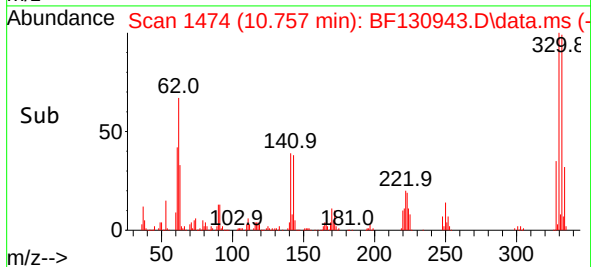
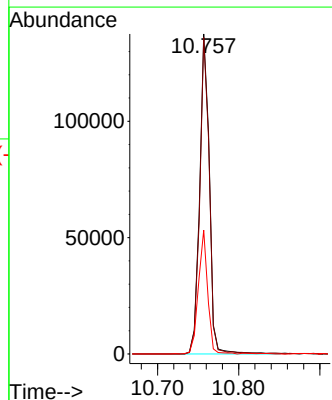
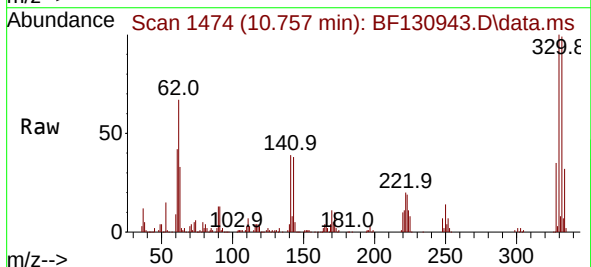
Tgt Ion:330 Resp: 114907

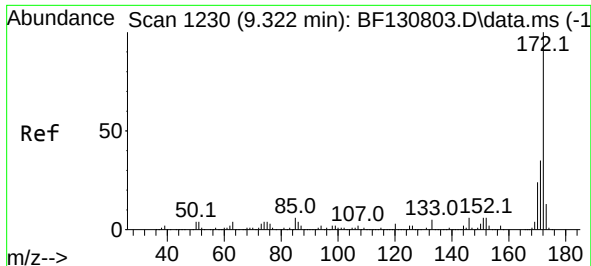
Ion Ratio Lower Upper

330 100

332 96.9 76.2 114.4

141 37.1 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 87.446 ng

RT: 9.286 min Scan# 11

Delta R.T. -0.006 min

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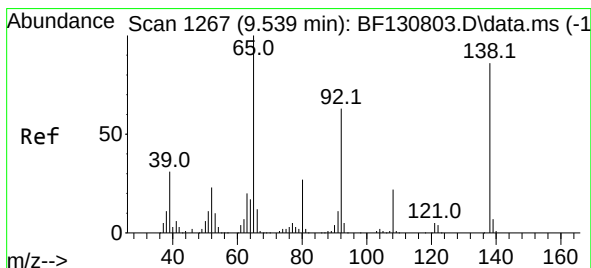
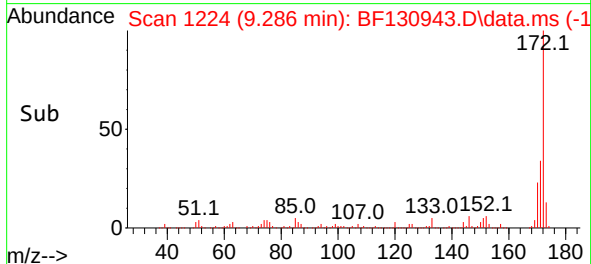
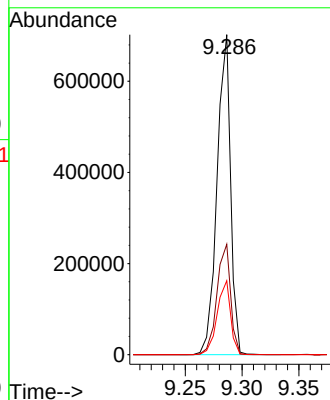
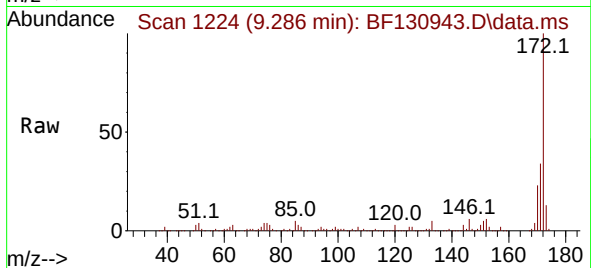
Tgt Ion:172 Resp: 582334

Ion Ratio Lower Upper

172 100

171 34.5 28.1 42.1

170 23.1 19.0 28.4



#48

2-Nitroaniline

Concen: 4.177 ng

RT: 9.557 min Scan# 1270

Delta R.T. 0.041 min

Lab File: BF130943.D

Acq: 02 Nov 2022 22:13

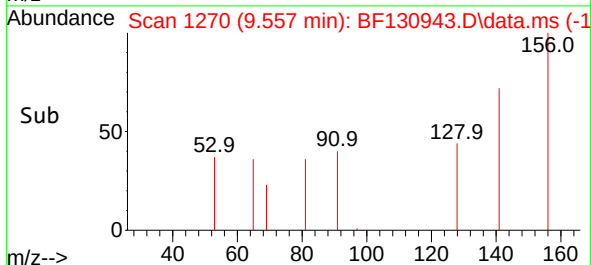
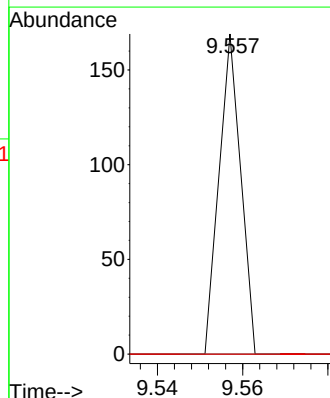
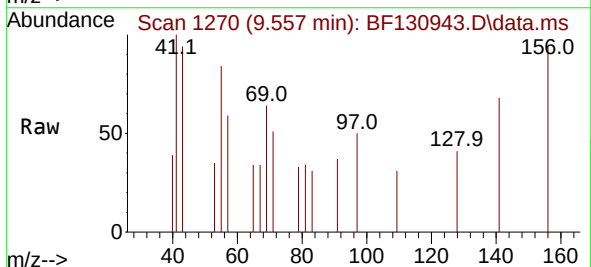
Tgt Ion: 65 Resp: 60

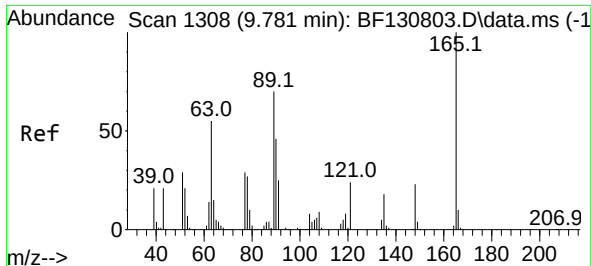
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 69.2 103.8#

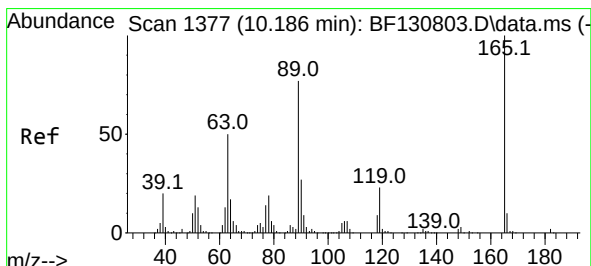
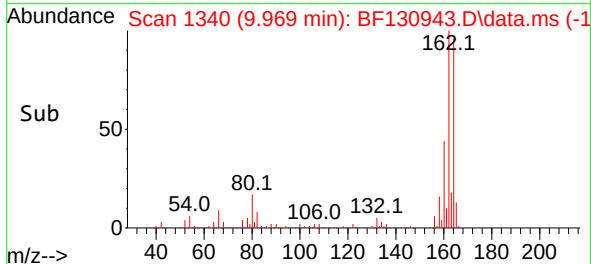
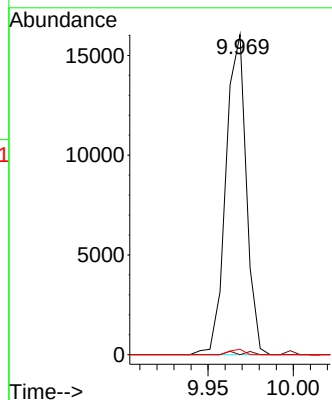
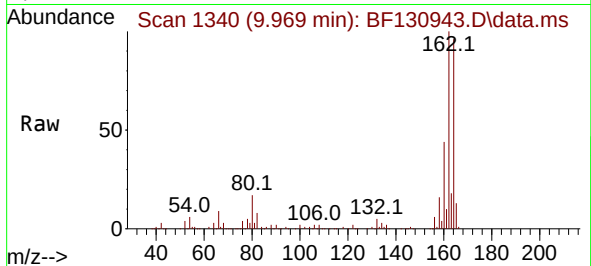




#51
2,6-Dinitrotoluene
Concen: 12.358 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

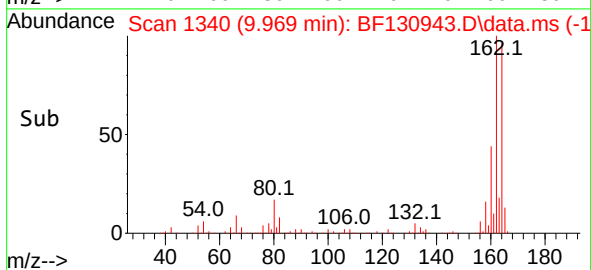
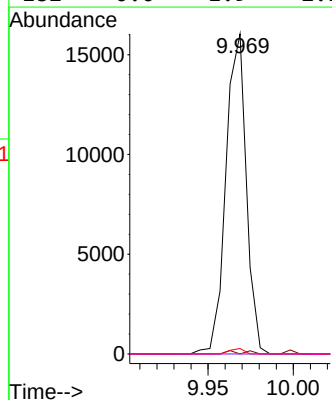
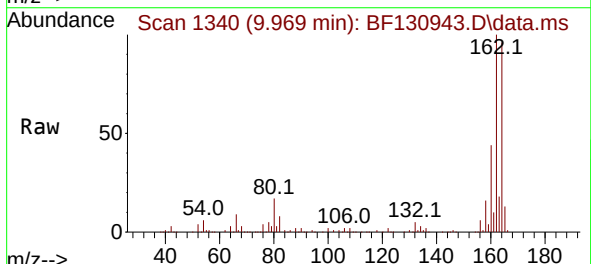
Instrument :
BNA_F
ClientSampleId :
S-8-103122

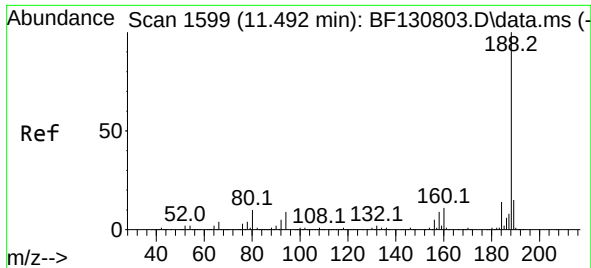
Tgt Ion:165 Resp: 13356
Ion Ratio Lower Upper
165 100
63 0.0 61.8 92.8#
89 1.7 56.2 84.4#



#57
2,4-Dinitrotoluene
Concen: 11.168 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.194 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

Tgt Ion:165 Resp: 13356
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 1.7 61.9 92.9#
182 0.0 1.9 2.9#

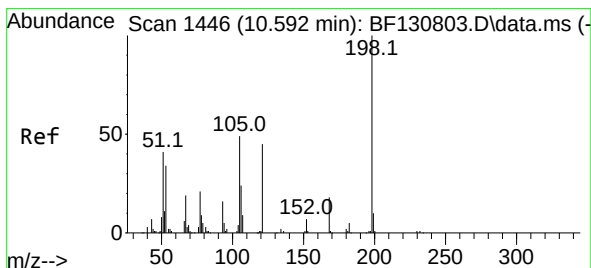
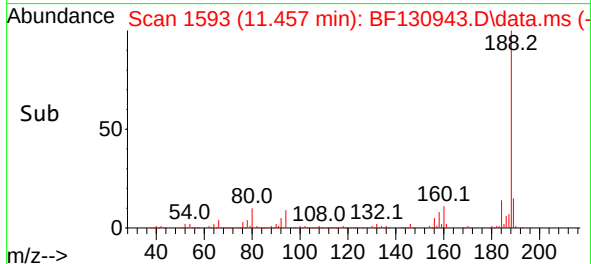
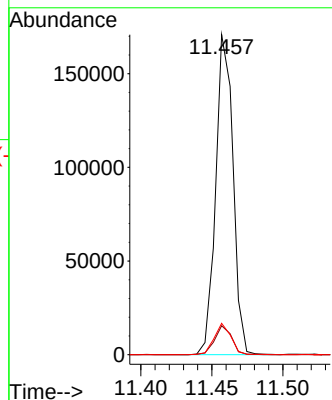
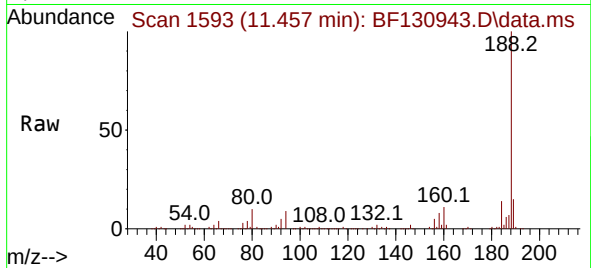




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

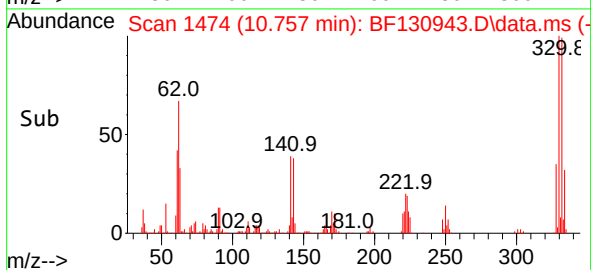
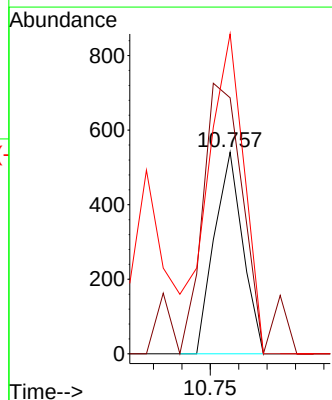
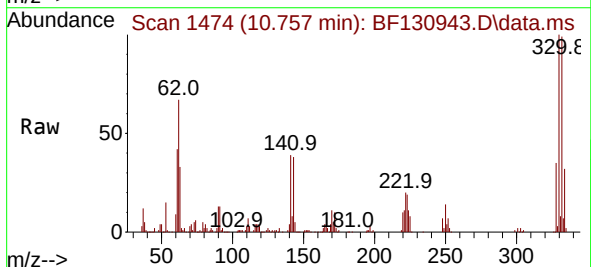
Instrument :
BNA_F
ClientSampleId :
S-8-103122

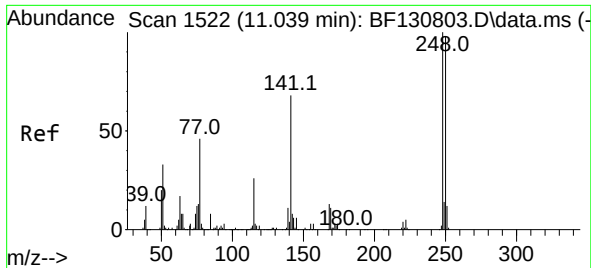
Tgt Ion:188 Resp: 144496
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 9.8 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 8.448 ng
RT: 10.757 min Scan# 1474
Delta R.T. 0.188 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

Tgt Ion:198 Resp: 376
Ion Ratio Lower Upper
198 100
51 127.0 39.0 79.0#
105 158.6 30.6 70.6#

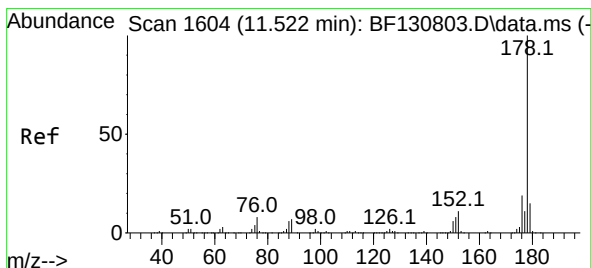
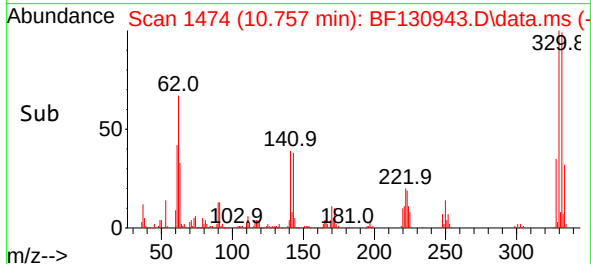
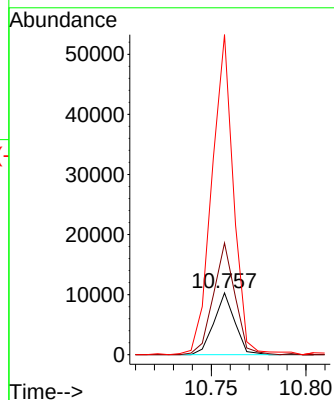
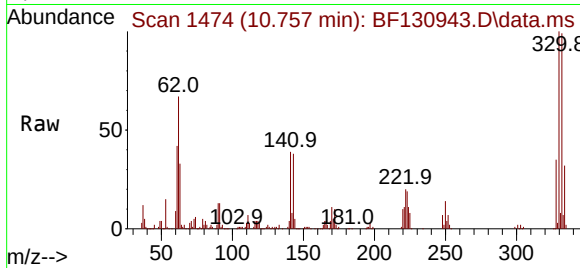




#67
4-Bromophenyl-phenylether
Concen: 5.410 ng
RT: 10.757 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

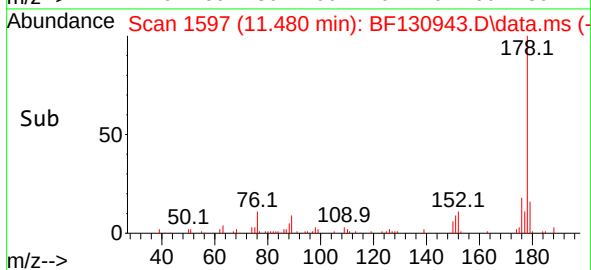
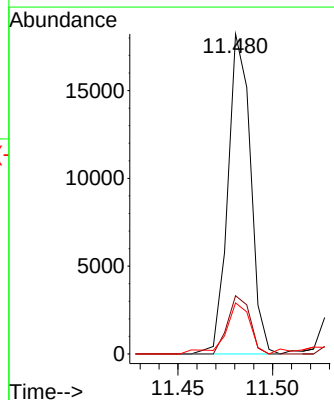
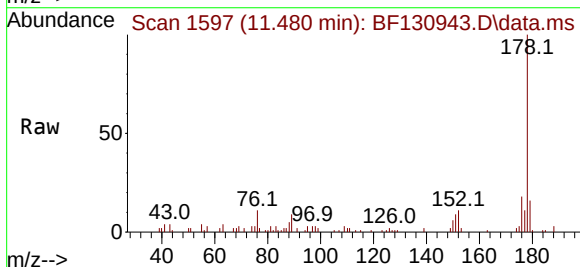
Instrument :
BNA_F
ClientSampleId :
S-8-103122

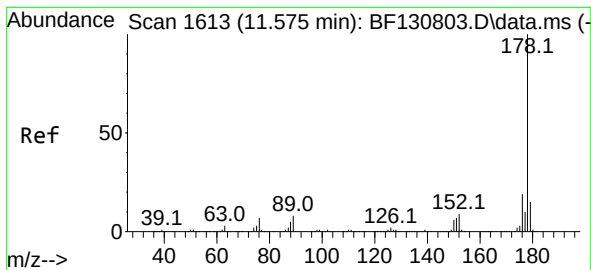
Tgt Ion:248 Resp: 7861
Ion Ratio Lower Upper
248 100
250 180.9 78.6 117.8#
141 517.9 54.2 81.4#



#71
Phenanthrene
Concen: 2.028 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.012 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

Tgt Ion:178 Resp: 15128
Ion Ratio Lower Upper
178 100
176 18.2 15.5 23.3
179 15.9 12.2 18.2





#72

Anthracene

Concen: 2.057 ng

RT: 11.480 min Scan# 11

Delta R.T. -0.065 min

Lab File: BF130943.D

Acq: 02 Nov 2022 22:13

Instrument :

BNA_F

ClientSampleId :

S-8-103122

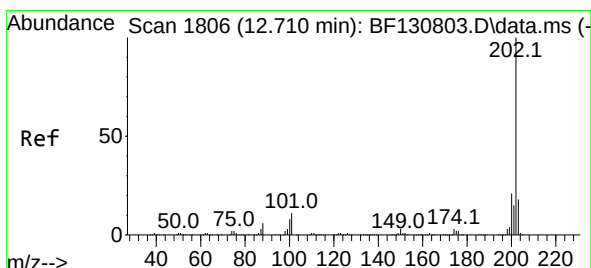
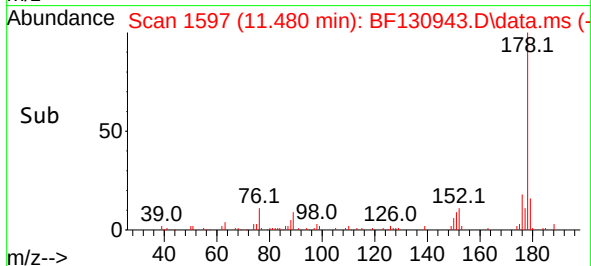
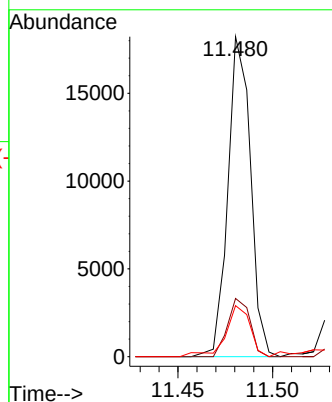
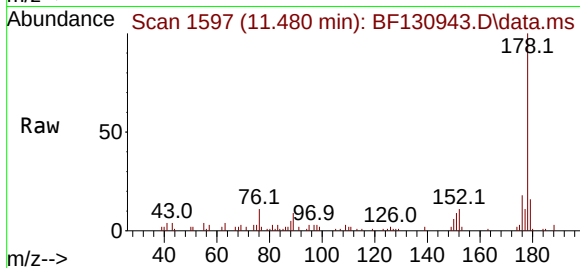
Tgt Ion:178 Resp: 15128

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.0

179 15.9 12.2 18.4



#75

Fluoranthene

Concen: 4.671 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.012 min

Lab File: BF130943.D

Acq: 02 Nov 2022 22:13

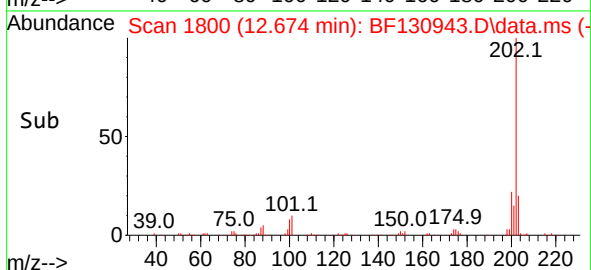
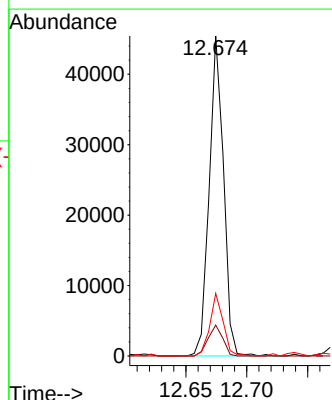
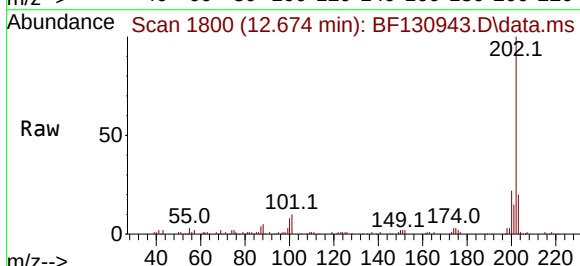
Tgt Ion:202 Resp: 37013

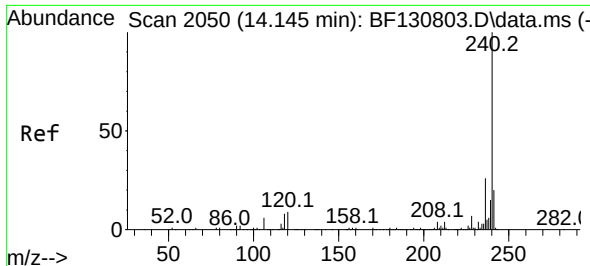
Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.9

203 19.6 0.0 37.7

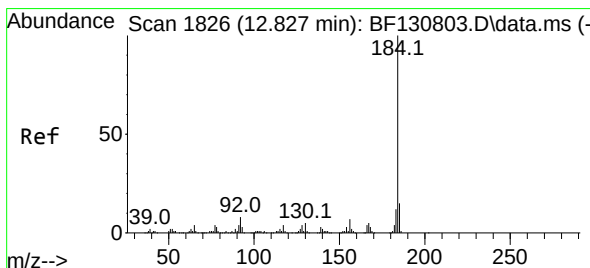
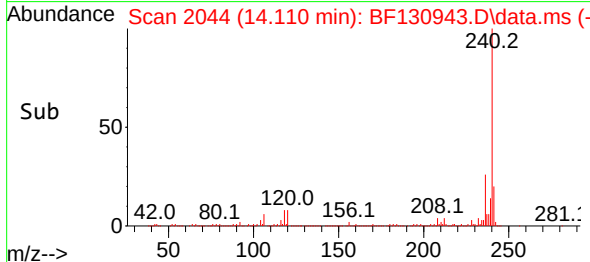
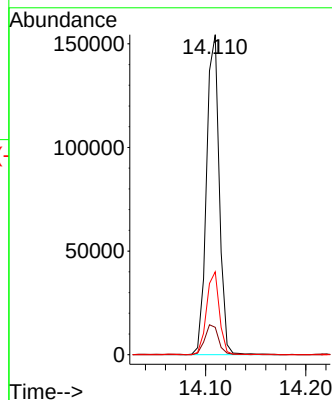
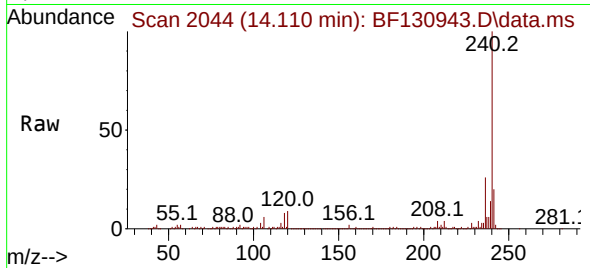




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2050
Delta R.T. -0.012 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

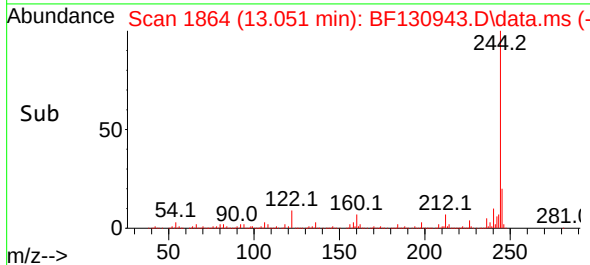
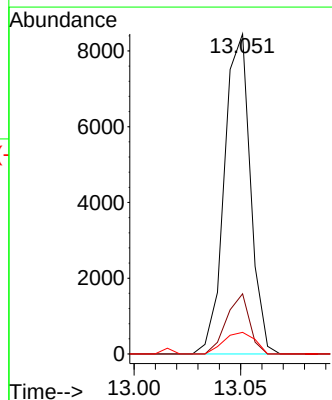
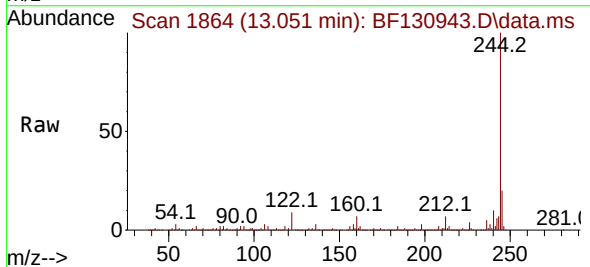
Instrument :
BNA_F
ClientSampleId :
S-8-103122

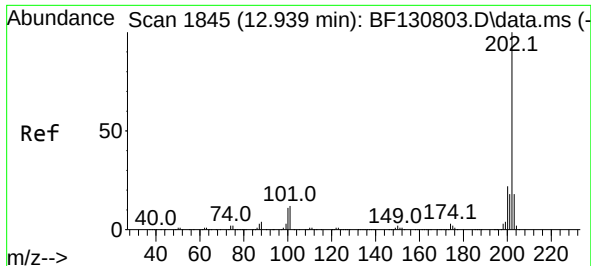
Tgt Ion:240 Resp: 137121
Ion Ratio Lower Upper
240 100
120 8.5 7.0 10.4
236 25.9 20.5 30.7



#77
Benzidine
Concen: 2.159 ng
RT: 13.051 min Scan# 1864
Delta R.T. 0.247 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

Tgt Ion:184 Resp: 7186
Ion Ratio Lower Upper
184 100
185 18.8 11.8 17.8#
183 6.7 9.7 14.5#

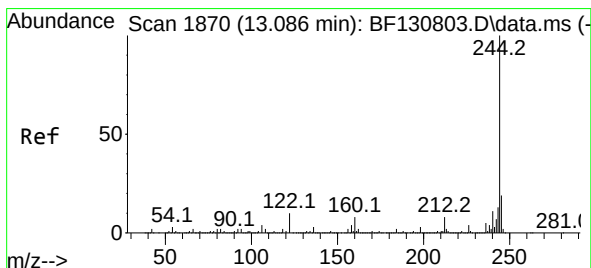
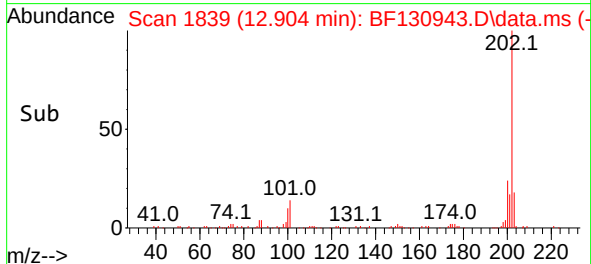
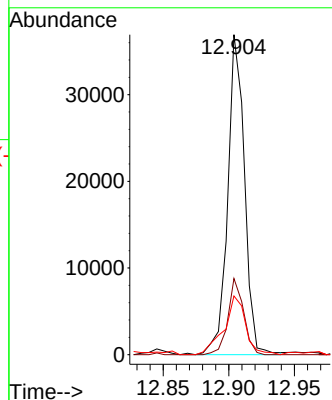
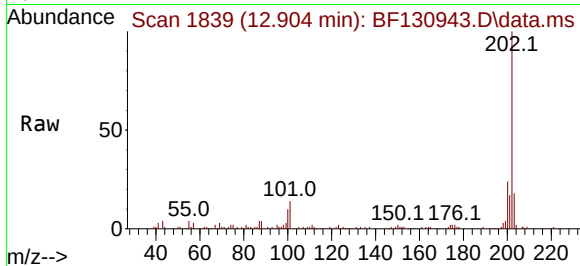




#78
Pyrene
Concen: 2.844 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

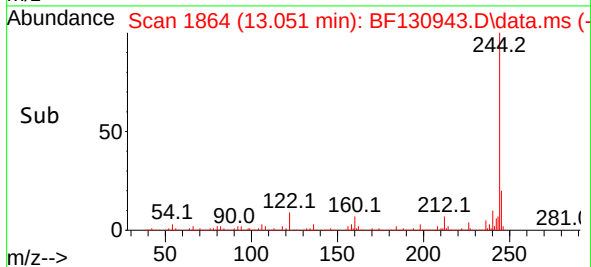
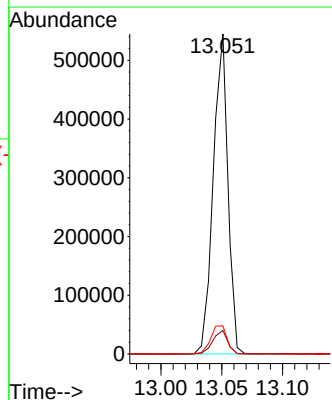
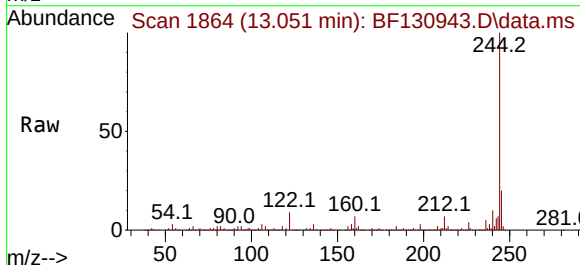
Instrument :
BNA_F
ClientSampleId :
S-8-103122

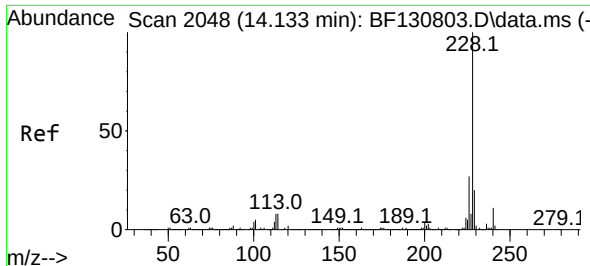
Tgt Ion:202 Resp: 32902
Ion Ratio Lower Upper
202 100
200 23.8 17.2 25.8
203 18.3 14.5 21.7



#79
Terphenyl-d14
Concen: 60.694 ng
RT: 13.051 min Scan# 1864
Delta R.T. -0.006 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

Tgt Ion:244 Resp: 454166
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.2
122 8.8 7.9 11.9

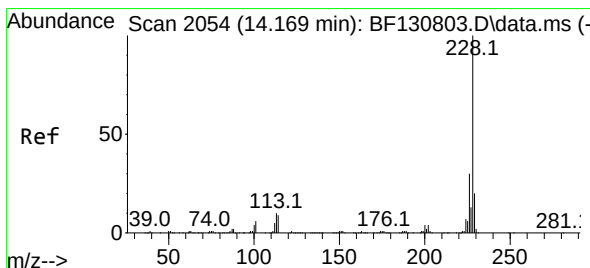
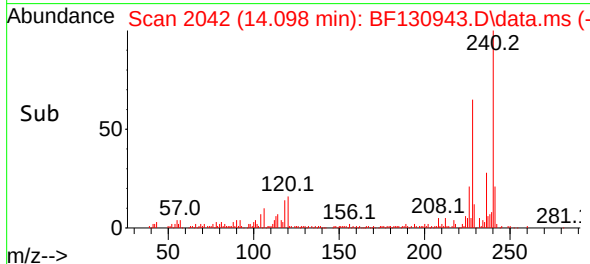
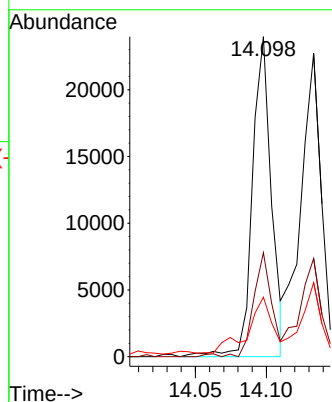
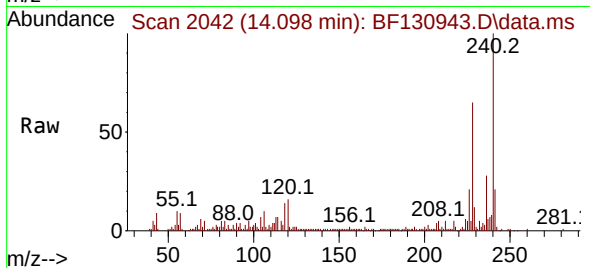




#81
Benzo(a)anthracene
Concen: 2.453 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.012 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

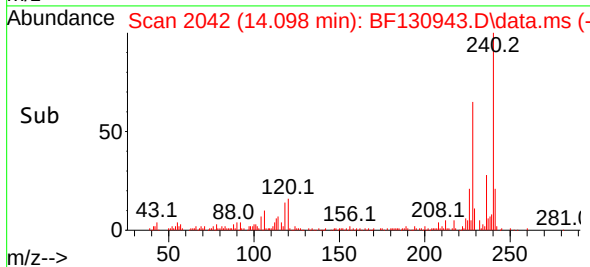
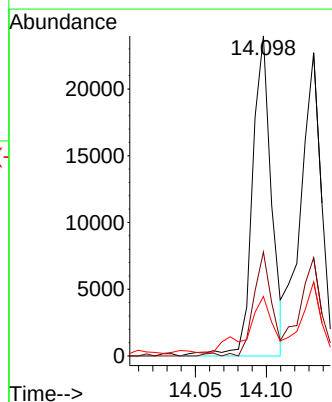
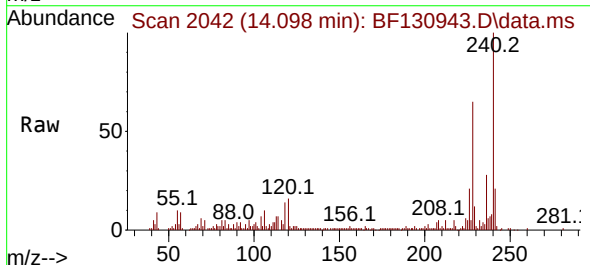
Instrument :
BNA_F
ClientSampleId :
S-8-103122

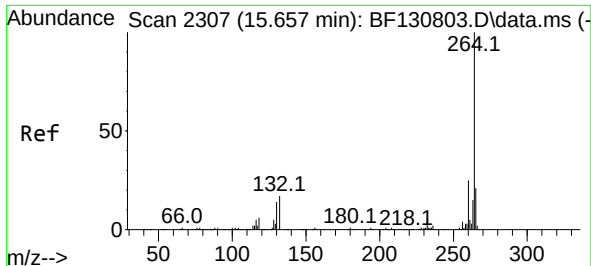
Tgt Ion:228 Resp: 22305
Ion Ratio Lower Upper
228 100
226 32.5 21.4 32.2#
229 18.6 15.8 23.6



#83
Chrysene
Concen: 2.544 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.047 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

Tgt Ion:228 Resp: 22305
Ion Ratio Lower Upper
228 100
226 32.5 23.9 35.9
229 18.6 15.8 23.6

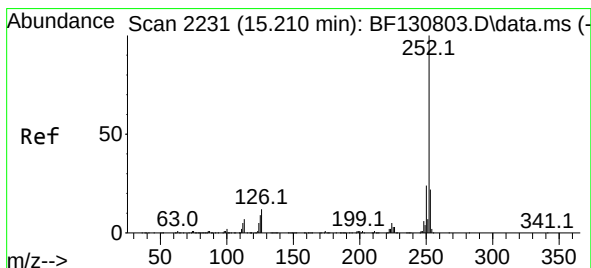
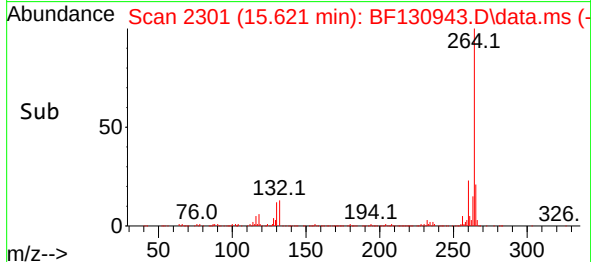
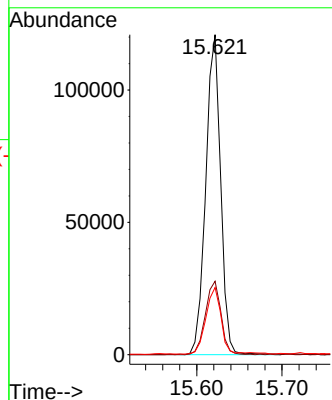
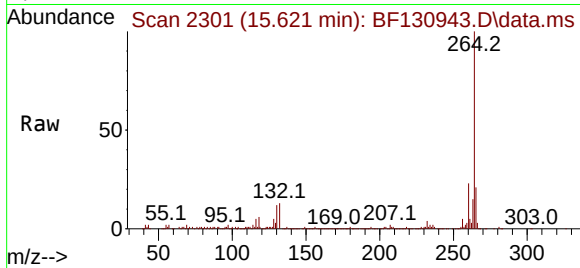




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

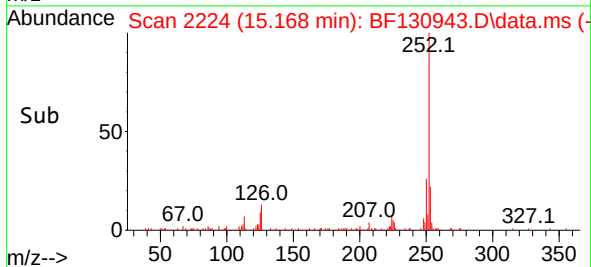
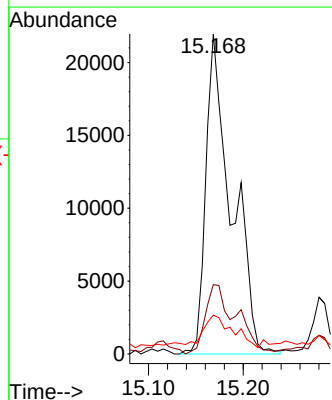
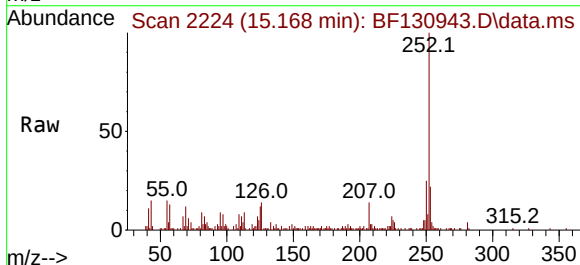
Instrument :
BNA_F
ClientSampleId :
S-8-103122

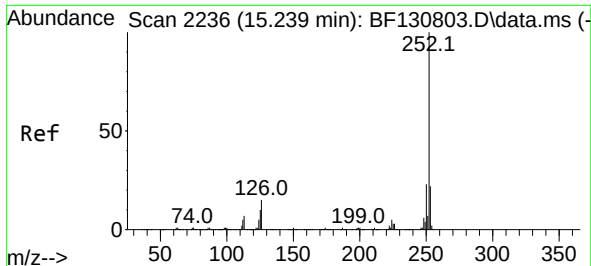
Tgt Ion:264 Resp: 146622
Ion Ratio Lower Upper
264 100
260 23.0 19.9 29.9
265 21.0 17.0 25.6



#88
Benzo(b)fluoranthene
Concen: 4.348 ng
RT: 15.168 min Scan# 2224
Delta R.T. -0.012 min
Lab File: BF130943.D
Acq: 02 Nov 2022 22:13

Tgt Ion:252 Resp: 41207
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 12.1 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 4.462 ng

RT: 15.168 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF130943.D

Acq: 02 Nov 2022 22:13

Instrument :

BNA_F

ClientSampleId :

S-8-103122

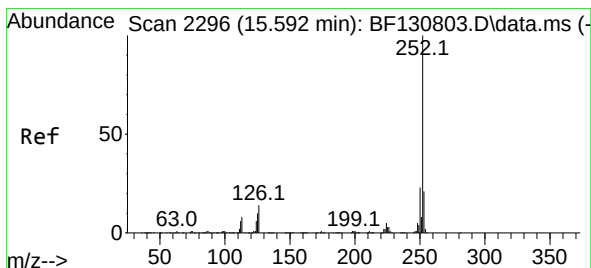
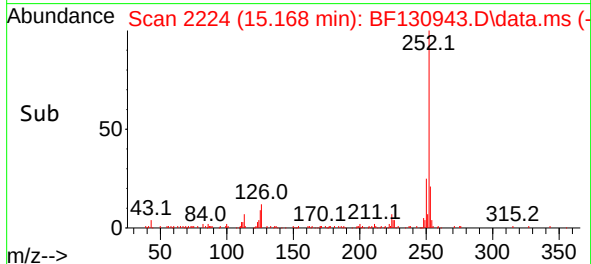
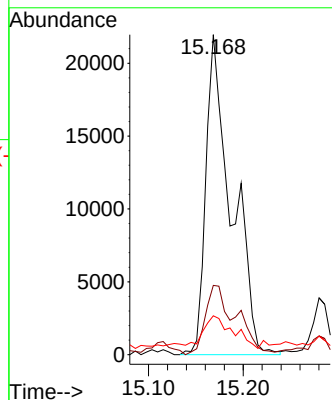
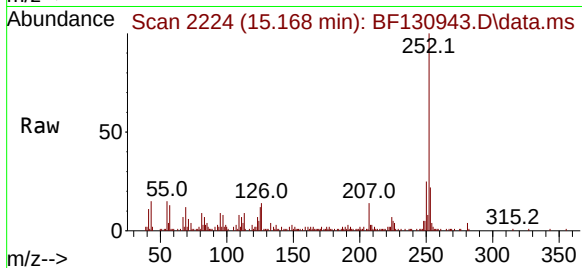
Tgt Ion:252 Resp: 41207

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 12.1 8.0 12.0#



#90

Benzo(a)pyrene

Concen: 2.822 ng

RT: 15.551 min Scan# 2289

Delta R.T. -0.018 min

Lab File: BF130943.D

Acq: 02 Nov 2022 22:13

Tgt Ion:252 Resp: 21500

Ion Ratio Lower Upper

252 100

253 25.1 16.8 25.2

125 13.8 8.3 12.5#

