

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110222\
 Data File : BF130940.D
 Acq On : 02 Nov 2022 20:35
 Operator : CG\JU
 Sample : N5395-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2-103122

Quant Time: Nov 03 03:46:51 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

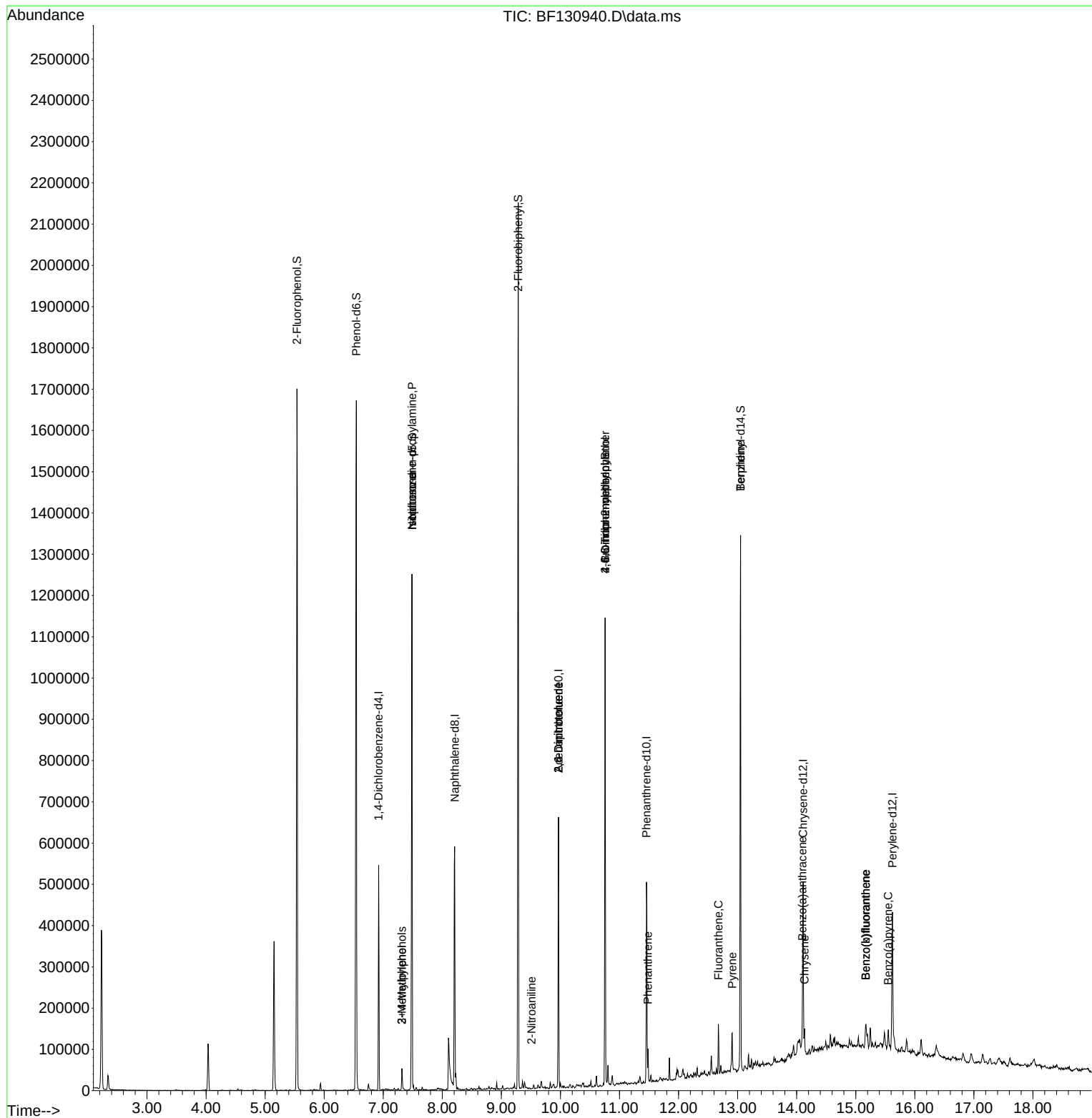
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	64966	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	246620	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	115647	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	168895	20.000	ng	-0.01
76) Chrysene-d12	14.110	240	130943	20.000	ng	-0.01
86) Perylene-d12	15.621	264	146045	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	417701	111.463	ng	0.00
7) Phenol-d6	6.545	99	527684	108.359	ng	0.00
23) Nitrobenzene-d5	7.486	82	352519	86.191	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	108342	111.290	ng	-0.01
45) 2-Fluorobiphenyl	9.286	172	579452	75.753	ng	0.00
79) Terphenyl-d14	13.051	244	412459	57.721	ng	0.00
Target Compounds						
						Qvalue
17) 2-Methylphenol	7.316	107	12604	3.532	ng	# 72
19) n-Nitroso-di-n-propyla...	7.486	70	50359	15.199	ng	# 77
20) 3+4-Methylphenols	7.316	107	12604	2.717	ng	87
25) Isophorone	7.486	82	352446	41.788	ng	# 66
48) 2-Nitroaniline	9.510	65	67	4.176	ng	# 12
51) 2,6-Dinitrotoluene	9.969	165	15125	12.223	ng	# 14
57) 2,4-Dinitrotoluene	9.969	165	15125	11.063	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.757	198	349	8.341	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	7007	4.125	ng	# 1
71) Phenanthrene	11.480	178	26268	3.013	ng	99
75) Fluoranthene	12.674	202	42736	4.614	ng	97
77) Benzidine	13.051	184	6541	2.058	ng	# 92
78) Pyrene	12.910	202	38690	3.502	ng	97
81) Benzo(a)anthracene	14.098	228	20737	2.389	ng	97
83) Chrysene	14.133	228	23072	2.755	ng	98
88) Benzo(b)fluoranthene	15.168	252	40859	4.328	ng	# 96
89) Benzo(k)fluoranthene	15.168	252	40859	4.441	ng	# 96
90) Benzo(a)pyrene	15.551	252	22029	2.903	ng	# 91

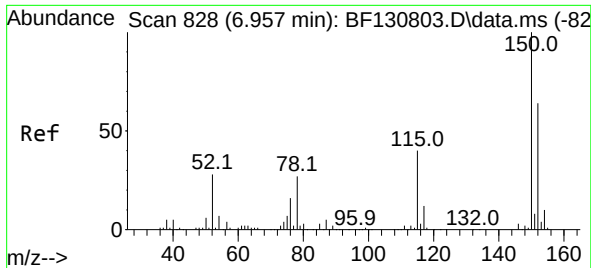
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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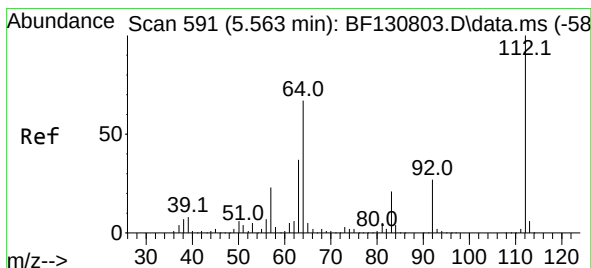
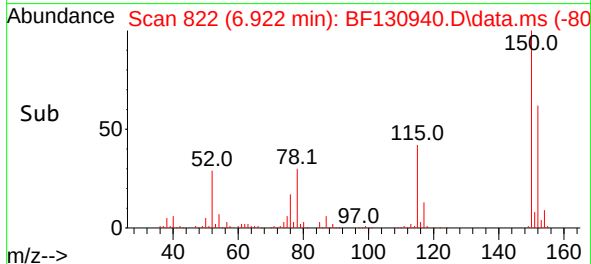
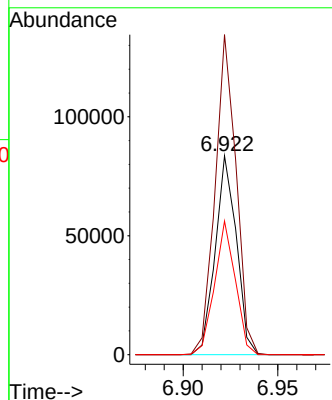
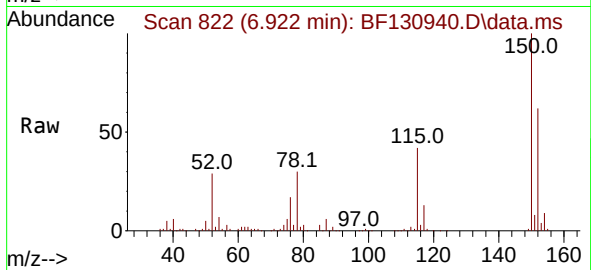




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.922 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF130940.D
 Acq: 02 Nov 2022 20:35

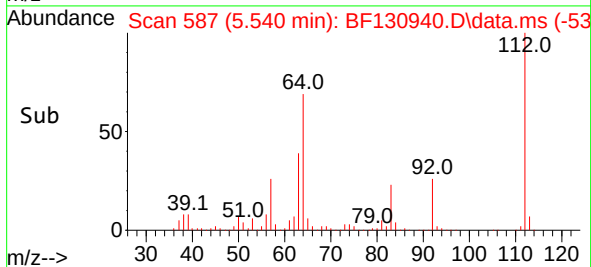
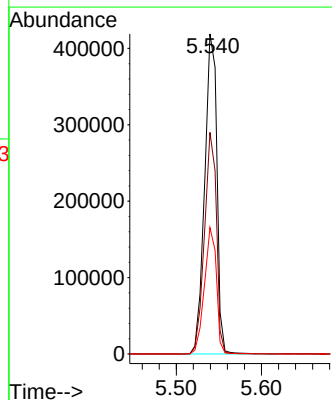
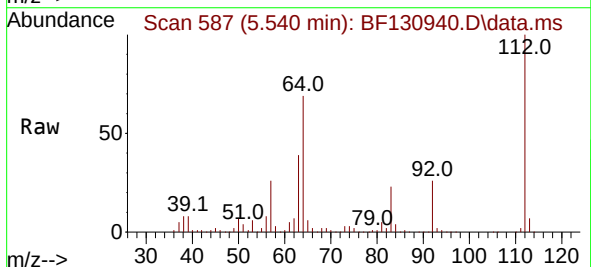
Instrument :
 BNA_F
 ClientSampleId :
 S-2-103122

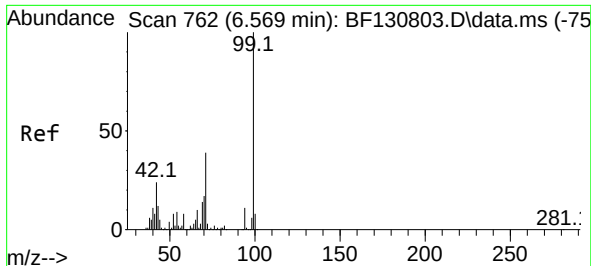
Tgt Ion:152 Resp: 64966
 Ion Ratio Lower Upper
 152 100
 150 160.9 124.1 186.1
 115 67.2 50.1 75.1



#5
 2-Fluorophenol
 Concen: 111.463 ng
 RT: 5.540 min Scan# 587
 Delta R.T. -0.000 min
 Lab File: BF130940.D
 Acq: 02 Nov 2022 20:35

Tgt Ion:112 Resp: 417701
 Ion Ratio Lower Upper
 112 100
 64 69.3 53.9 80.9
 63 39.5 29.4 44.2





#7

Phenol-d6

Concen: 108.359 ng

RT: 6.545 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF130940.D

Acq: 02 Nov 2022 20:35

Instrument :

BNA_F

ClientSampleId :

S-2-103122

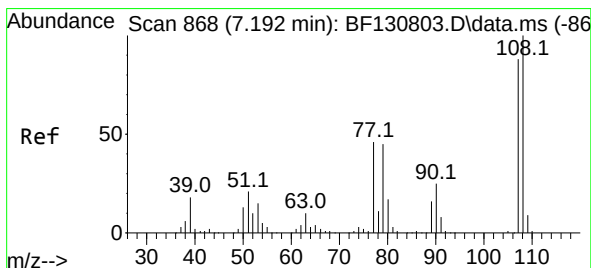
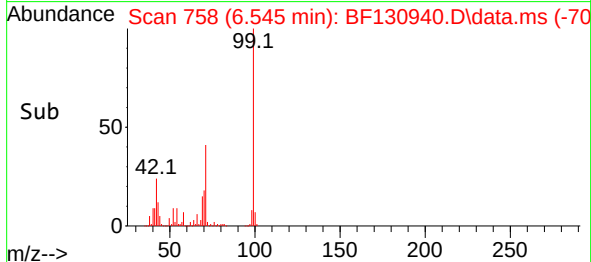
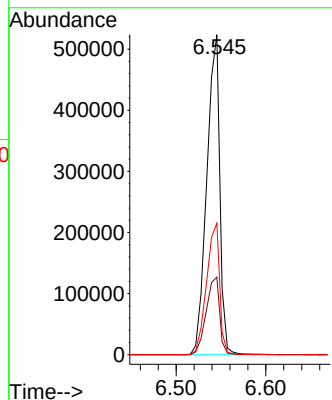
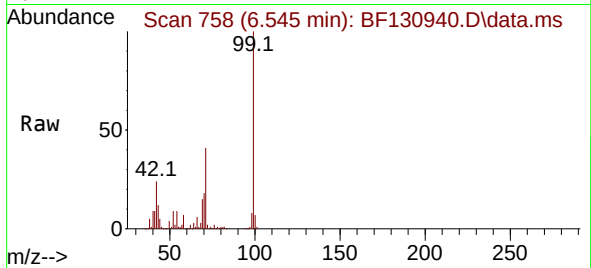
Tgt Ion: 99 Resp: 527684

Ion Ratio Lower Upper

99 100

42 24.2 18.8 28.2

71 41.0 31.4 47.0



#17

2-Methylphenol

Concen: 3.532 ng

RT: 7.316 min Scan# 889

Delta R.T. 0.141 min

Lab File: BF130940.D

Acq: 02 Nov 2022 20:35

Tgt Ion: 107 Resp: 12604

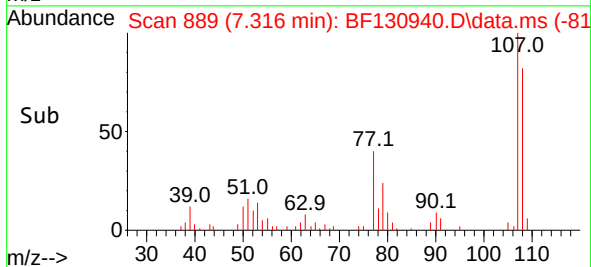
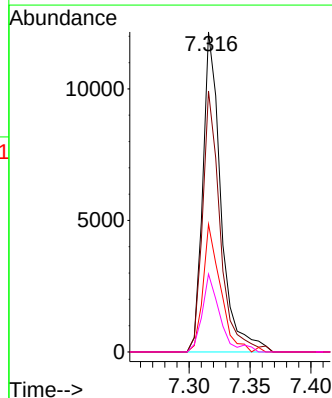
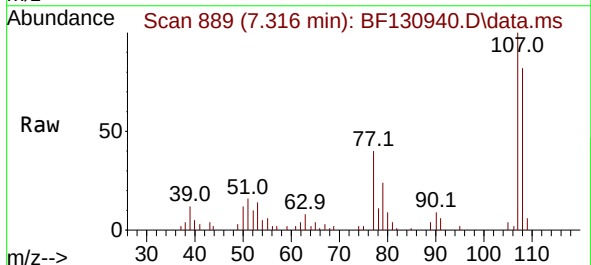
Ion Ratio Lower Upper

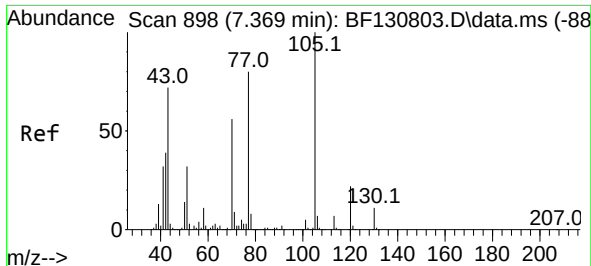
107 100

108 81.5 90.5 135.7#

77 39.9 41.2 61.8#

79 24.4 40.8 61.2#





#19

n-Nitroso-di-n-propylamine

Concen: 15.199 ng

RT: 7.486 min Scan# 918

Delta R.T. 0.147 min

Lab File: BF130940.D

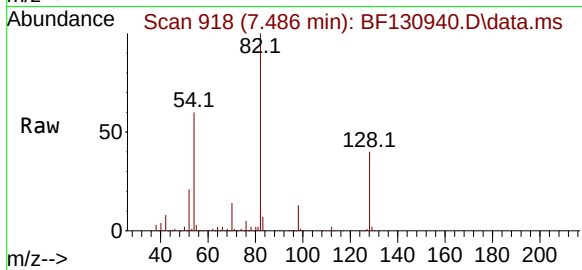
Acq: 02 Nov 2022 20:35

Instrument :

BNA_F

ClientSampleId :

S-2-103122



Tgt Ion: 70 Resp: 50359

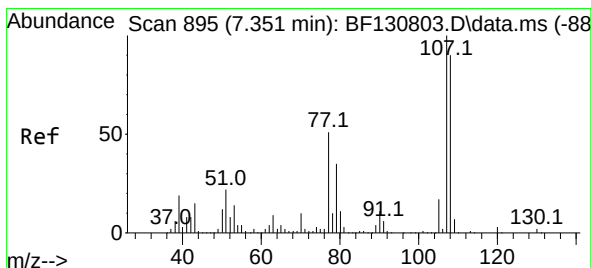
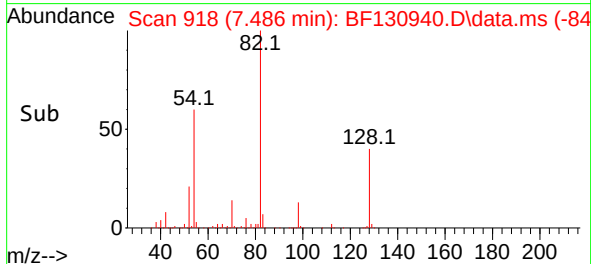
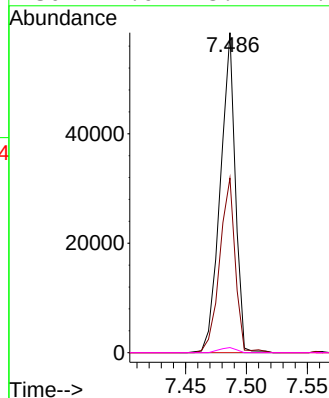
Ion Ratio Lower Upper

70 100

42 54.5 56.1 84.1#

101 0.0 7.3 10.9#

130 1.6 15.2 22.8#



#20

3+4-Methylphenols

Concen: 2.717 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF130940.D

Acq: 02 Nov 2022 20:35

Tgt Ion: 107 Resp: 12604

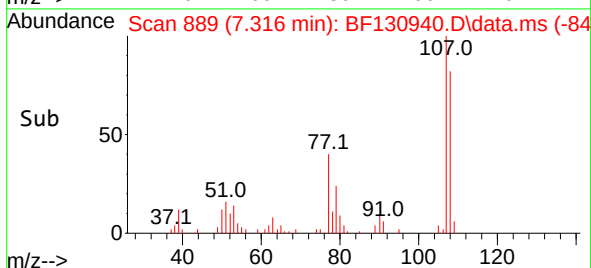
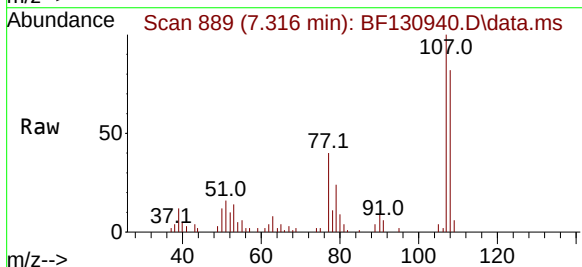
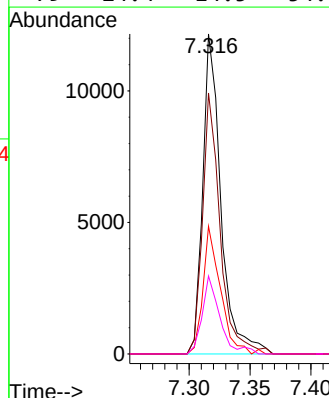
Ion Ratio Lower Upper

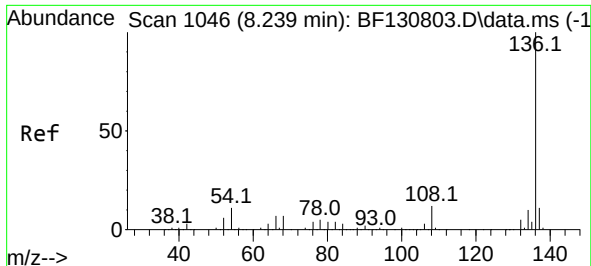
107 100

108 81.5 70.4 110.4

77 39.9 31.1 71.1

79 24.4 14.5 54.5

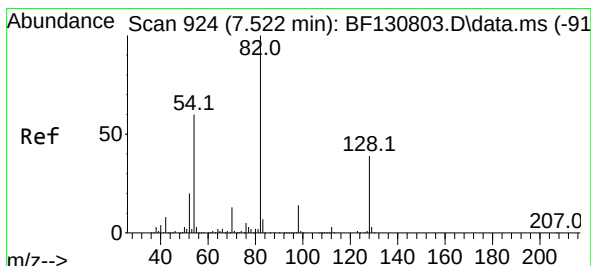
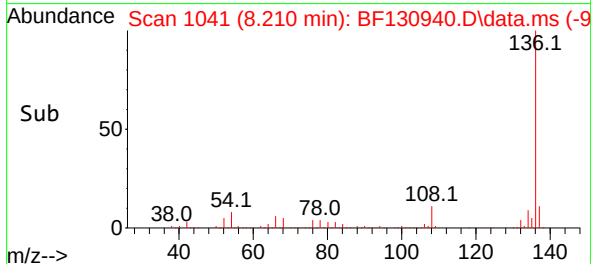
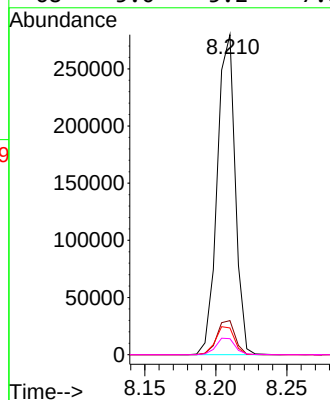
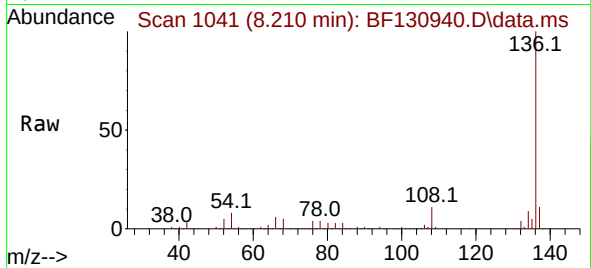




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF130940.D
Acq: 02 Nov 2022 20:35

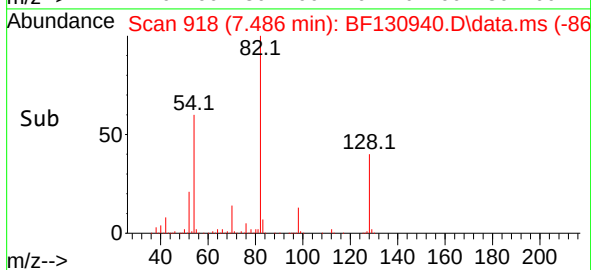
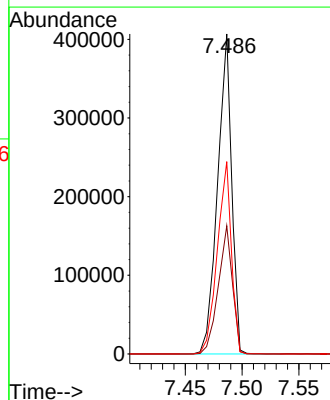
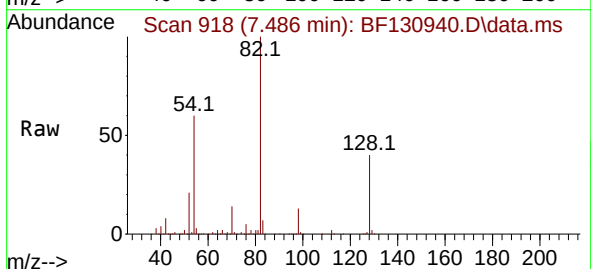
Instrument :
BNA_F
ClientSampleId :
S-2-103122

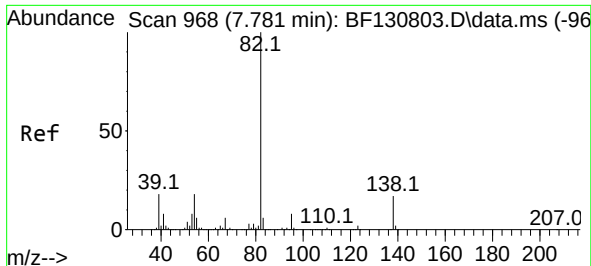
Tgt Ion:136 Resp: 246620
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 8.3 8.8 13.2#
68 5.0 5.2 7.8#



#23
Nitrobenzene-d5
Concen: 86.191 ng
RT: 7.486 min Scan# 918
Delta R.T. -0.006 min
Lab File: BF130940.D
Acq: 02 Nov 2022 20:35

Tgt Ion: 82 Resp: 352519
Ion Ratio Lower Upper
82 100
128 40.1 31.2 46.8
54 60.1 48.0 72.0

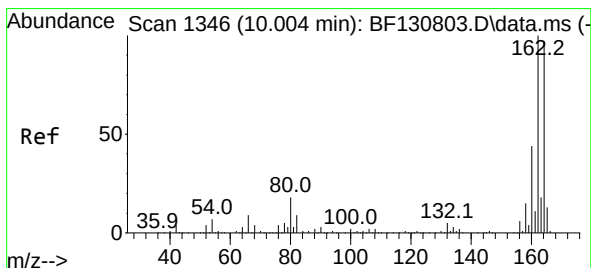
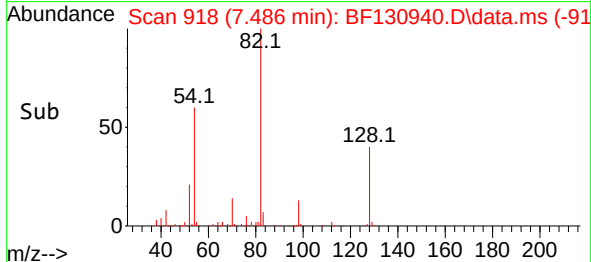
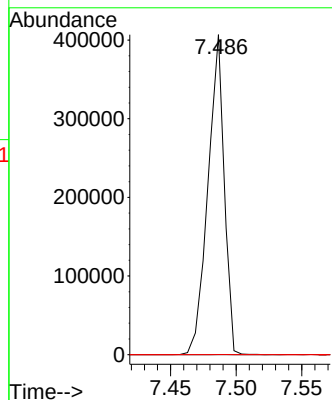
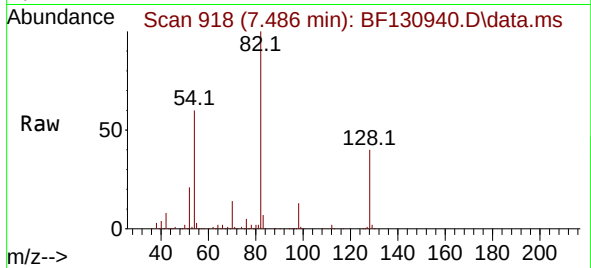




#25
Isophorone
Concen: 41.788 ng
RT: 7.486 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130940.D
Acq: 02 Nov 2022 20:35

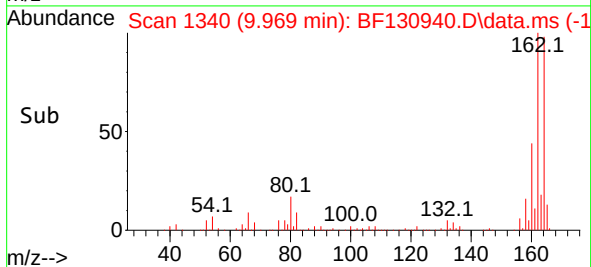
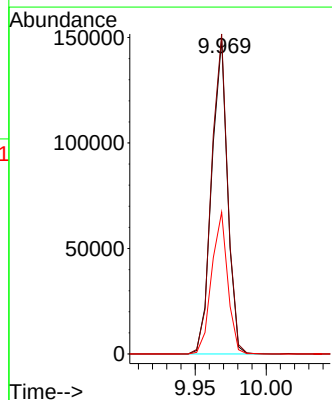
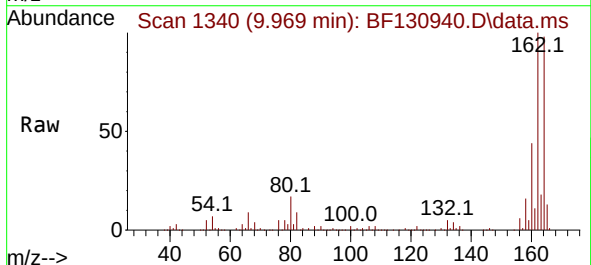
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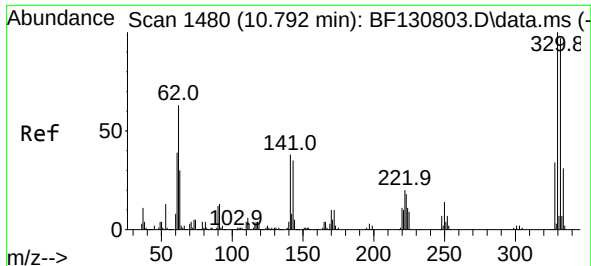
Tgt Ion: 82 Resp: 352446
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BF130940.D
Acq: 02 Nov 2022 20:35

Tgt Ion: 164 Resp: 115647
Ion Ratio Lower Upper
164 100
162 101.6 82.2 123.2
160 45.0 36.6 54.8

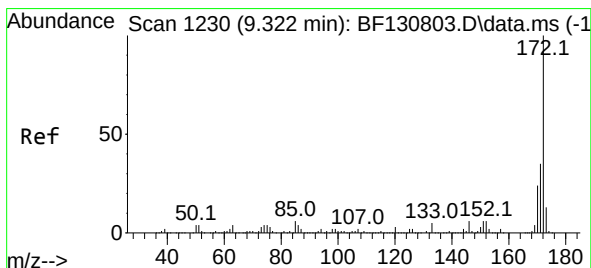
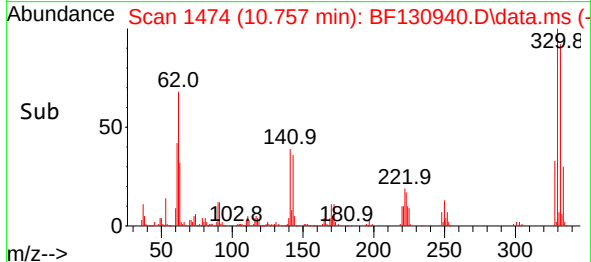
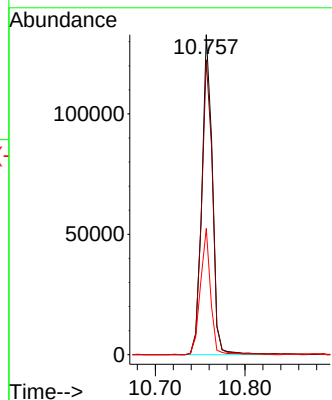
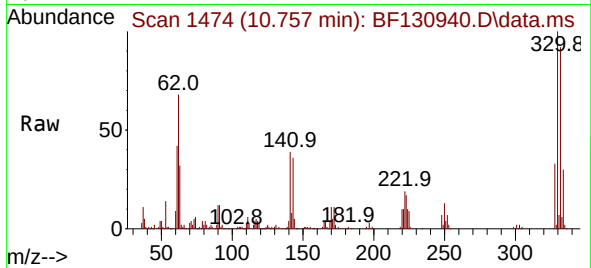




#42
 2,4,6-Tribromophenol
 Concen: 111.290 ng
 RT: 10.757 min Scan# 1480
 Delta R.T. -0.012 min
 Lab File: BF130940.D
 Acq: 02 Nov 2022 20:35

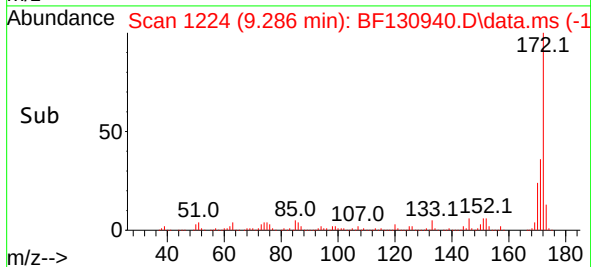
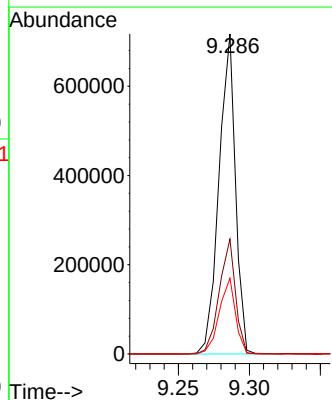
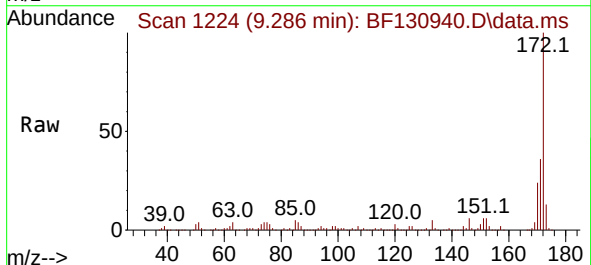
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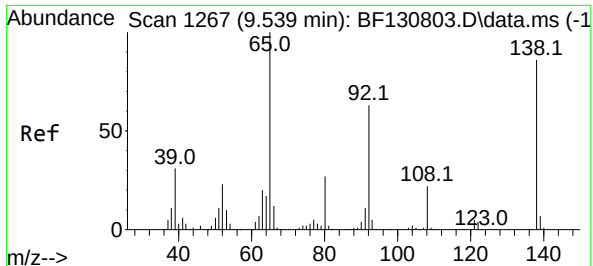
Tgt Ion:330 Resp: 108342
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.2 114.4
 141 38.3 31.4 47.0



#45
 2-Fluorobiphenyl
 Concen: 75.753 ng
 RT: 9.286 min Scan# 1224
 Delta R.T. -0.006 min
 Lab File: BF130940.D
 Acq: 02 Nov 2022 20:35

Tgt Ion:172 Resp: 579452
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.1 42.1
 170 23.7 19.0 28.4





#48

2-Nitroaniline

Concen: 4.176 ng

RT: 9.510 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130940.D

Acq: 02 Nov 2022 20:35

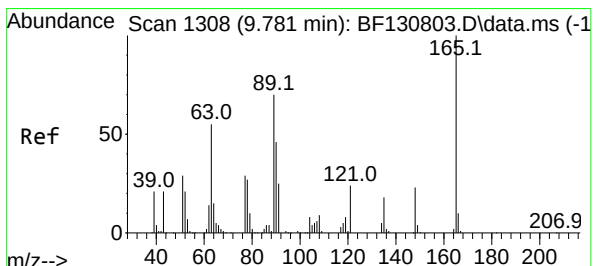
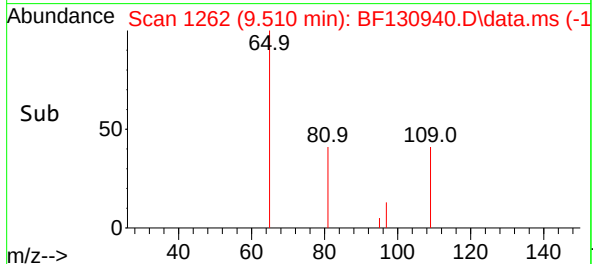
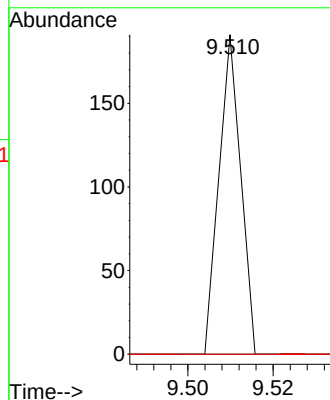
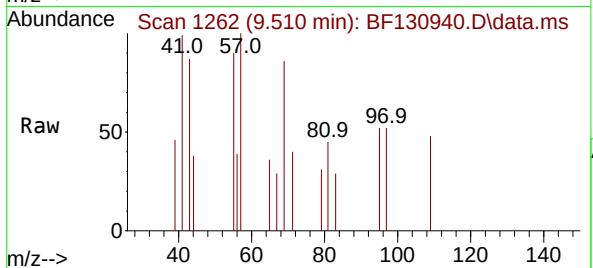
Instrument :

BNA_F

ClientSampleId :

S-2-103122

Tgt Ion:	65	Resp:	67
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: 12.223 ng

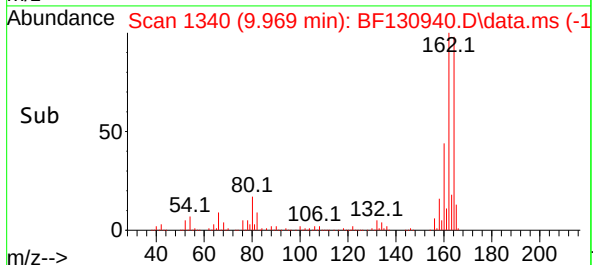
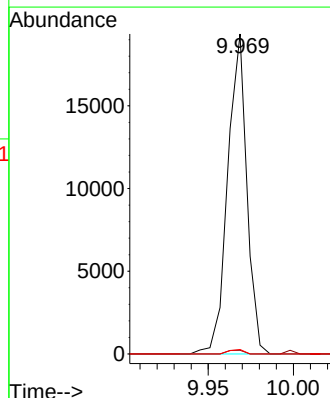
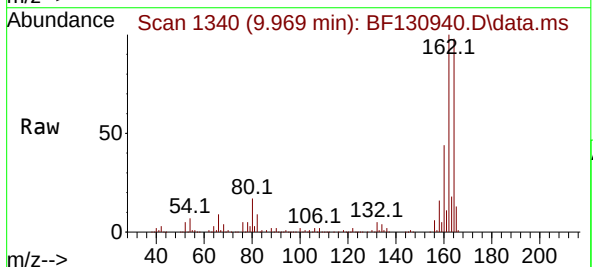
RT: 9.969 min Scan# 1340

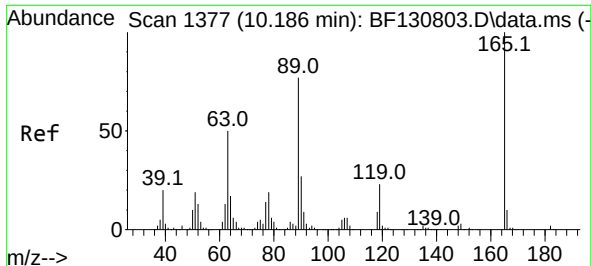
Delta R.T. 0.212 min

Lab File: BF130940.D

Acq: 02 Nov 2022 20:35

Tgt Ion:	165	Resp:	15125
Ion Ratio	Lower	Upper	
165	100		
63	1.2	61.8	92.8#
89	1.4	56.2	84.4#

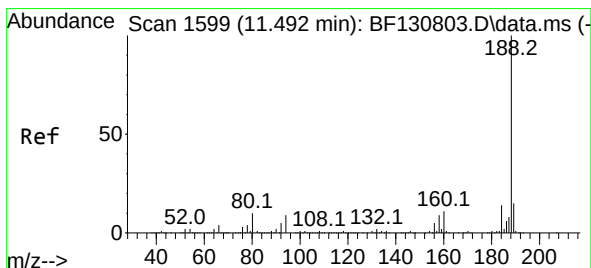
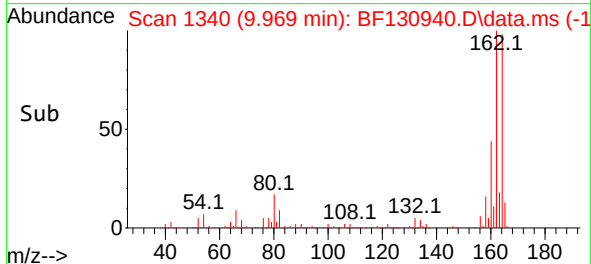
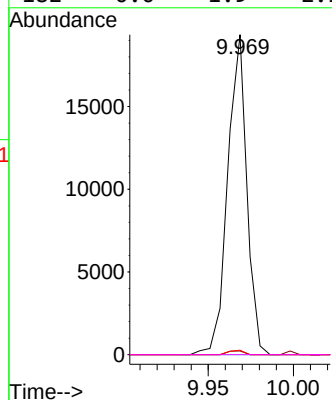
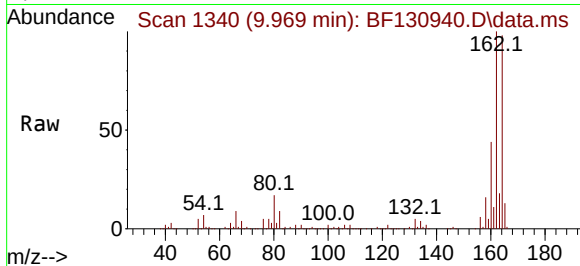




#57
2,4-Dinitrotoluene
Concen: 11.063 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF130940.D
Acq: 02 Nov 2022 20:35

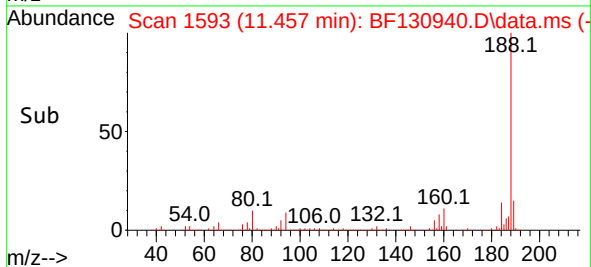
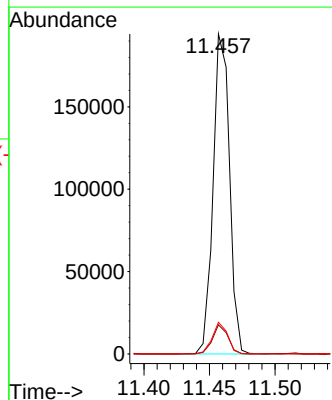
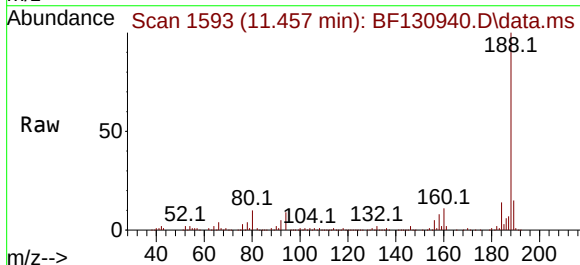
Instrument :
BNA_F
ClientSampleId :
S-2-103122

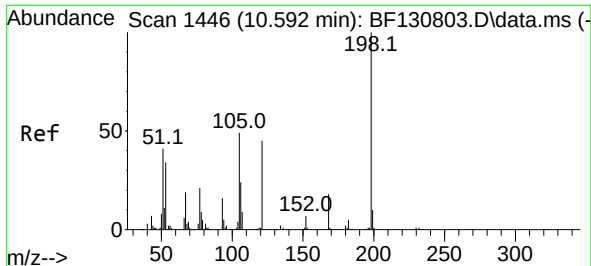
Tgt Ion:165 Resp: 15125
Ion Ratio Lower Upper
165 100
63 1.2 39.8 59.6#
89 1.4 61.9 92.9#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.012 min
Lab File: BF130940.D
Acq: 02 Nov 2022 20:35

Tgt Ion:188 Resp: 168895
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 9.9 8.0 12.0





#65

4,6-Dinitro-2-methylphenol

Concen: 8.341 ng

RT: 10.757 min Scan# 1446

Delta R.T. 0.188 min

Lab File: BF130940.D

Acq: 02 Nov 2022 20:35

Instrument :

BNA_F

ClientSampleId :

S-2-103122

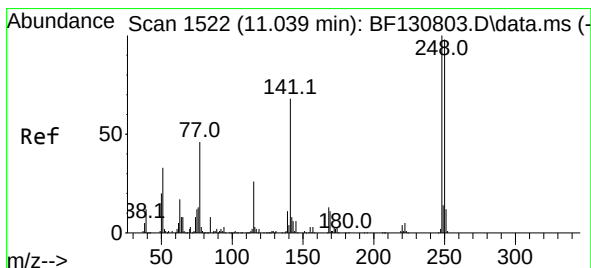
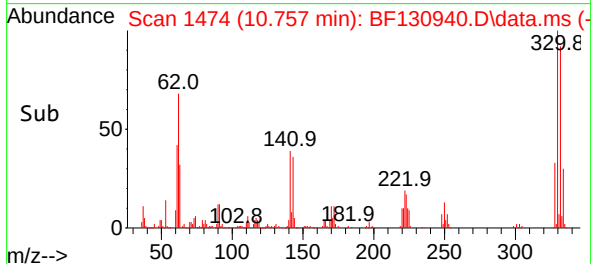
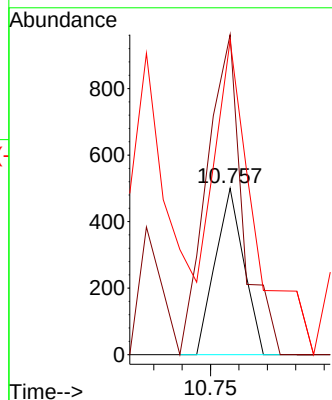
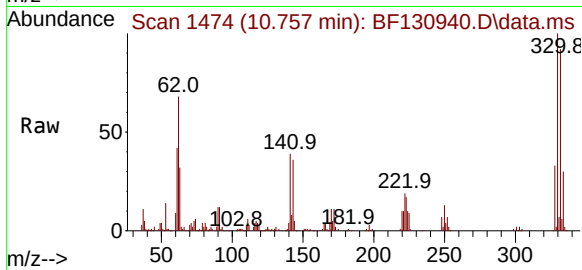
Tgt Ion:198 Resp: 349

Ion Ratio Lower Upper

198 100

51 192.4 39.0 79.0#

105 189.0 30.6 70.6#



#67

4-Bromophenyl-phenylether

Concen: 4.125 ng

RT: 10.757 min Scan# 1474

Delta R.T. -0.253 min

Lab File: BF130940.D

Acq: 02 Nov 2022 20:35

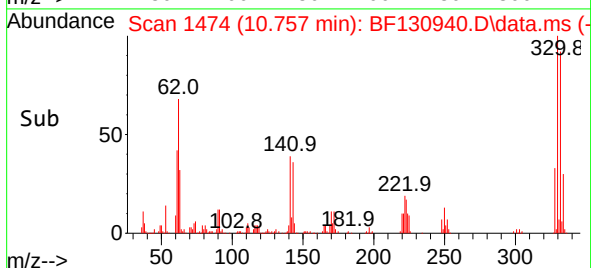
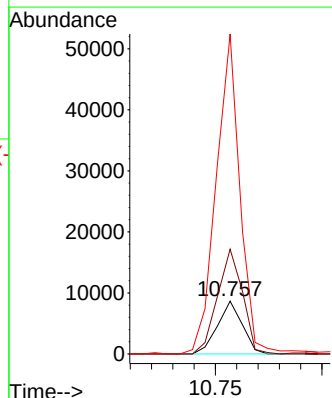
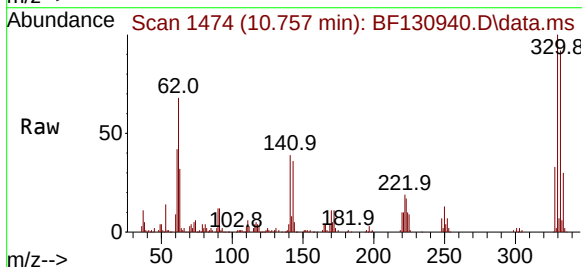
Tgt Ion:248 Resp: 7007

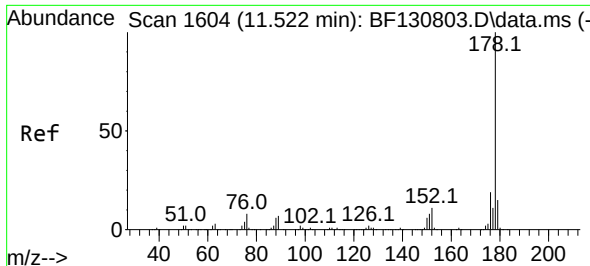
Ion Ratio Lower Upper

248 100

250 198.8 78.6 117.8#

141 606.5 54.2 81.4#

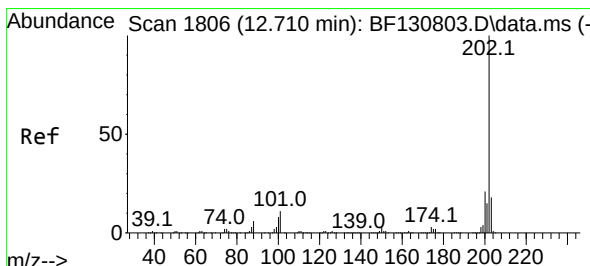
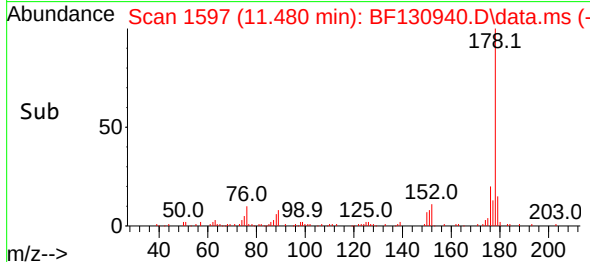
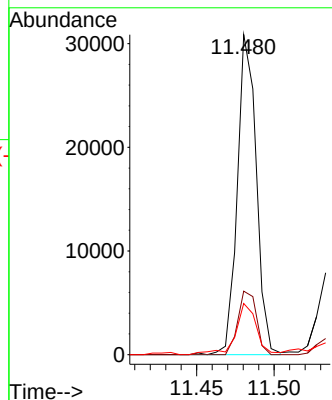
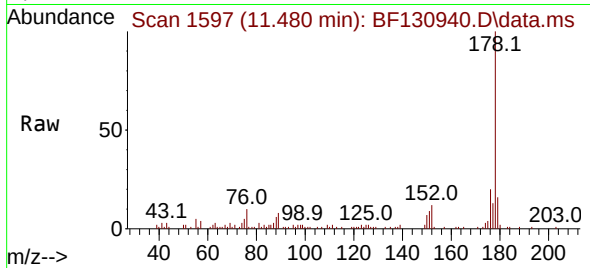




#71
Phenanthrene
Concen: 3.013 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130940.D
Acq: 02 Nov 2022 20:35

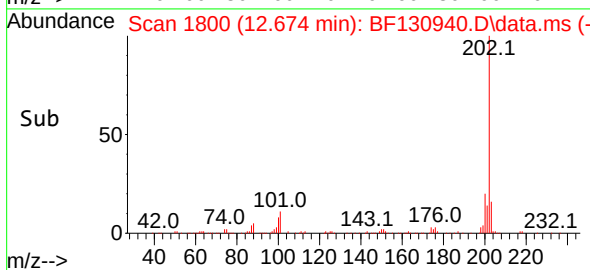
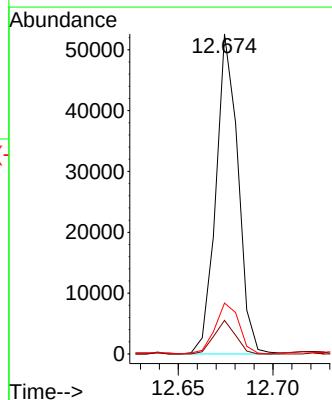
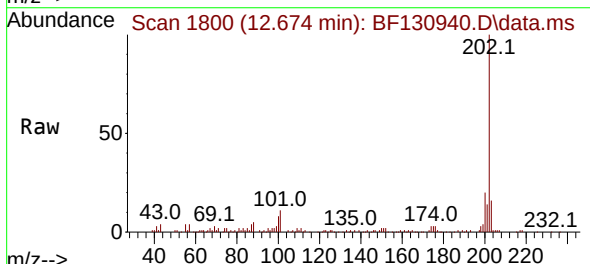
Instrument :
BNA_F
ClientSampleId :
S-2-103122

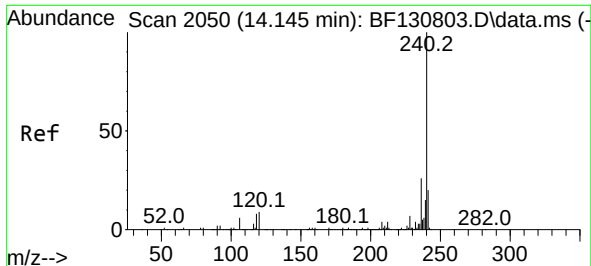
Tgt Ion:178 Resp: 26268
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 16.0 12.2 18.2



#75
Fluoranthene
Concen: 4.614 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.012 min
Lab File: BF130940.D
Acq: 02 Nov 2022 20:35

Tgt Ion:202 Resp: 42736
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.9
203 15.9 0.0 37.7

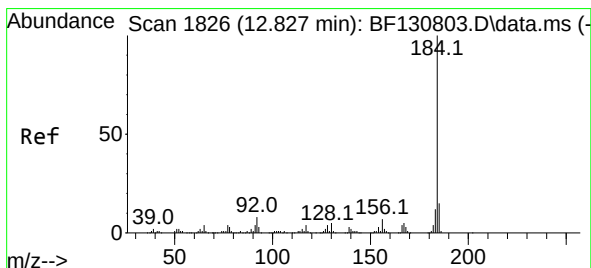
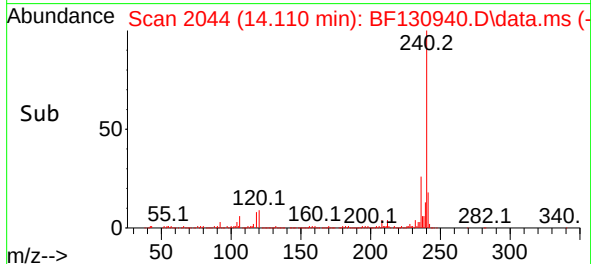
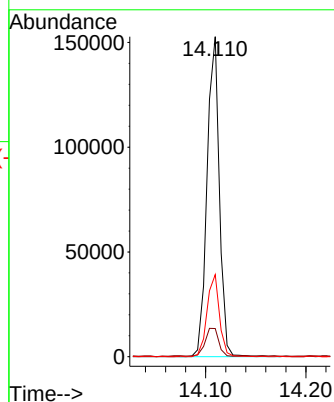
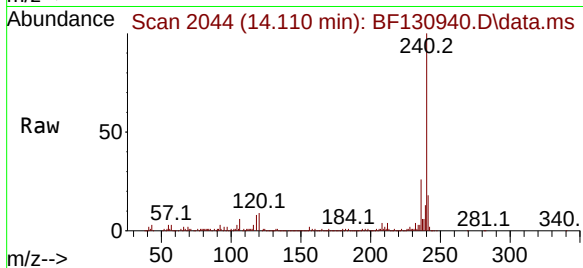




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2050
Delta R.T. -0.012 min
Lab File: BF130940.D
Acq: 02 Nov 2022 20:35

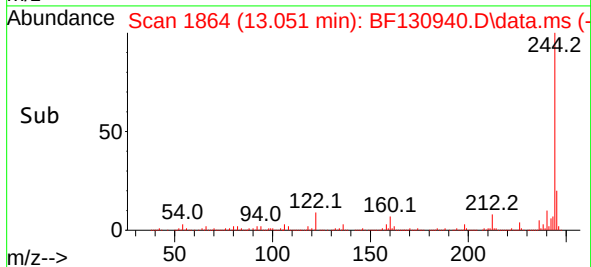
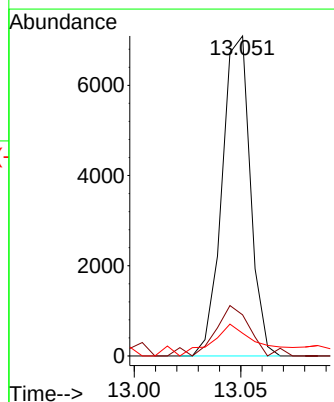
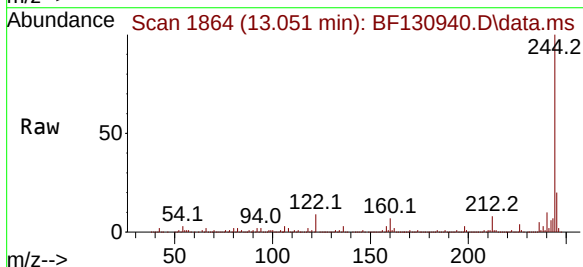
Instrument :
BNA_F
ClientSampleId :
S-2-103122

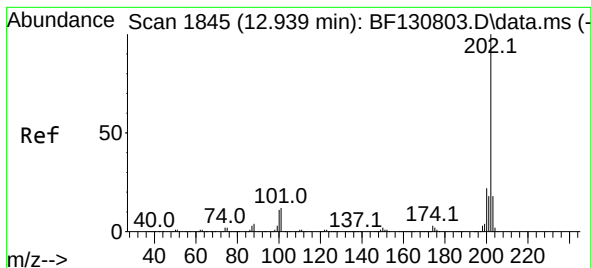
Tgt Ion:240 Resp: 130943
Ion Ratio Lower Upper
240 100
120 8.8 7.0 10.4
236 25.7 20.5 30.7



#77
Benzidine
Concen: 2.058 ng
RT: 13.051 min Scan# 1864
Delta R.T. 0.247 min
Lab File: BF130940.D
Acq: 02 Nov 2022 20:35

Tgt Ion:184 Resp: 6541
Ion Ratio Lower Upper
184 100
185 12.8 11.8 17.8
183 7.1 9.7 14.5#





#78

Pyrene

Concen: 3.502 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF130940.D

Acq: 02 Nov 2022 20:35

Instrument :

BNA_F

ClientSampleId :

S-2-103122

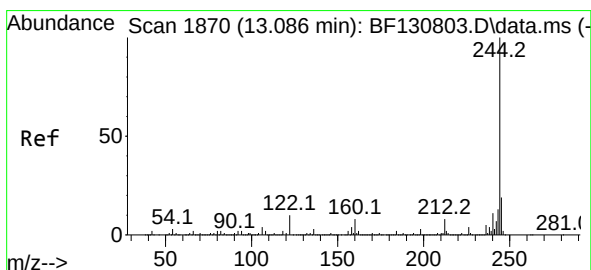
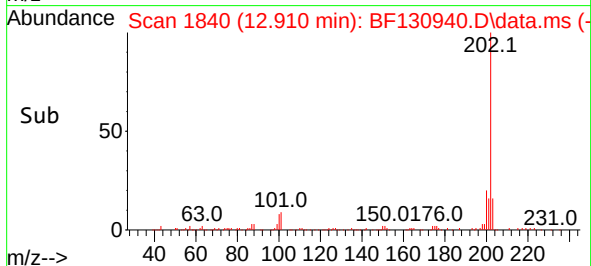
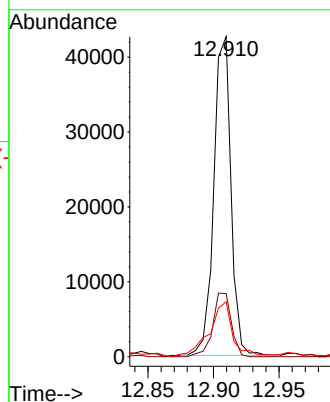
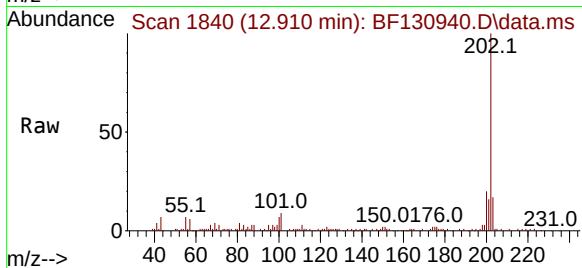
Tgt Ion:202 Resp: 38690

Ion Ratio Lower Upper

202 100

200 19.8 17.2 25.8

203 17.2 14.5 21.7



#79

Terphenyl-d14

Concen: 57.721 ng

RT: 13.051 min Scan# 1864

Delta R.T. -0.006 min

Lab File: BF130940.D

Acq: 02 Nov 2022 20:35

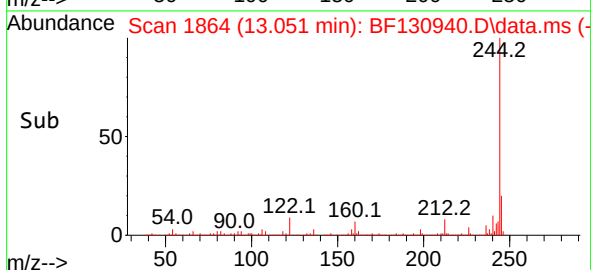
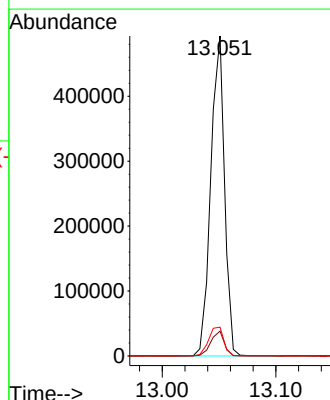
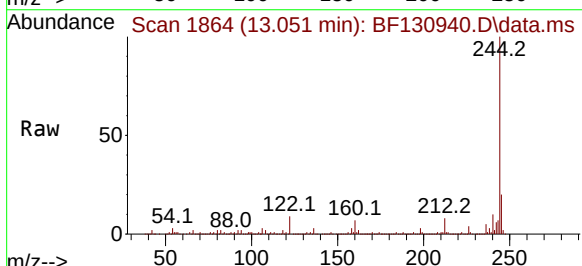
Tgt Ion:244 Resp: 412459

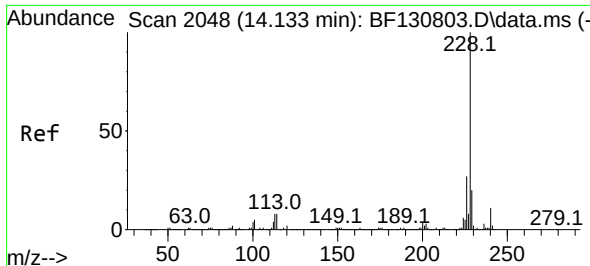
Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

122 9.0 7.9 11.9

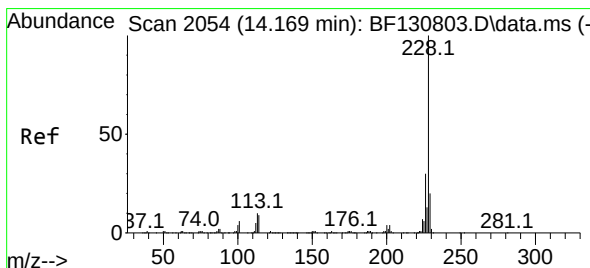
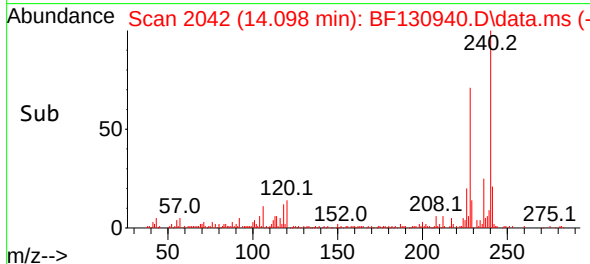
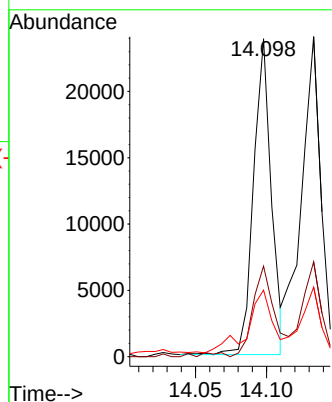
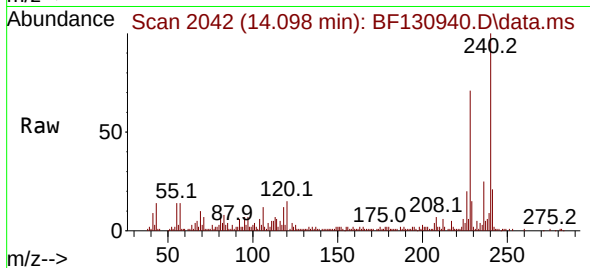




#81
Benzo(a)anthracene
Concen: 2.389 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.012 min
Lab File: BF130940.D
Acq: 02 Nov 2022 20:35

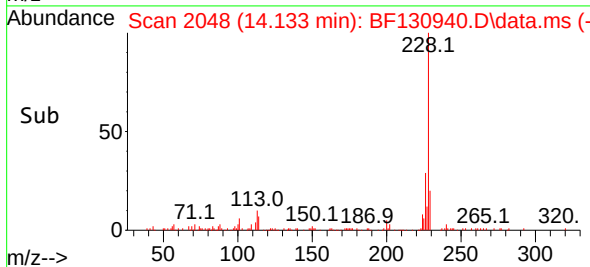
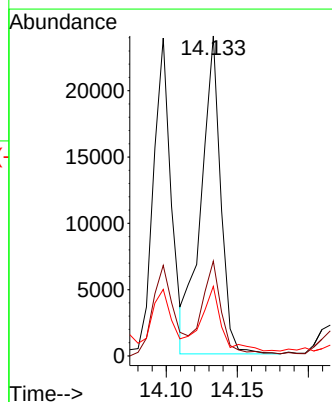
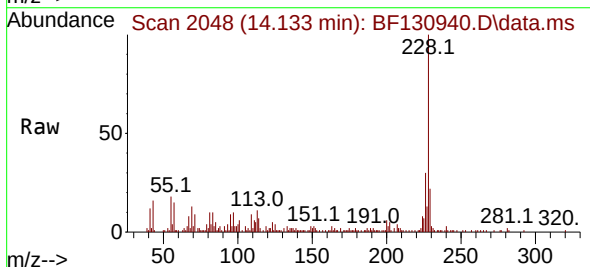
Instrument :
BNA_F
ClientSampleId :
S-2-103122

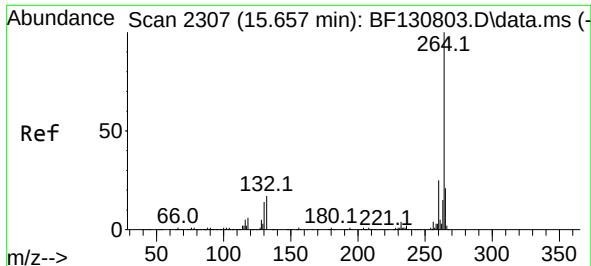
Tgt Ion:228 Resp: 20737
Ion Ratio Lower Upper
228 100
226 28.5 21.4 32.2
229 20.9 15.8 23.6



#83
Chrysene
Concen: 2.755 ng
RT: 14.133 min Scan# 2048
Delta R.T. -0.012 min
Lab File: BF130940.D
Acq: 02 Nov 2022 20:35

Tgt Ion:228 Resp: 23072
Ion Ratio Lower Upper
228 100
226 29.7 23.9 35.9
229 21.8 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: BF130940.D

Acq: 02 Nov 2022 20:35

Instrument :

BNA_F

ClientSampleId :

S-2-103122

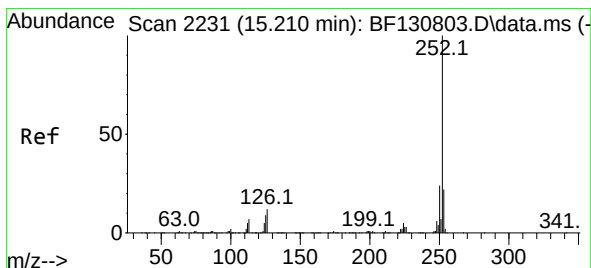
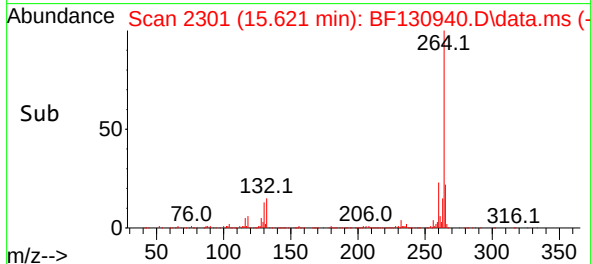
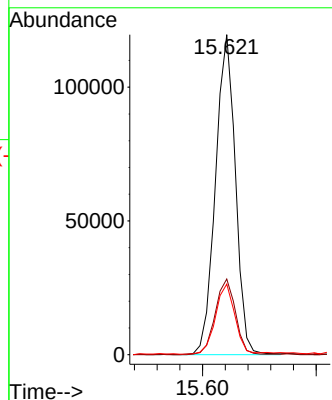
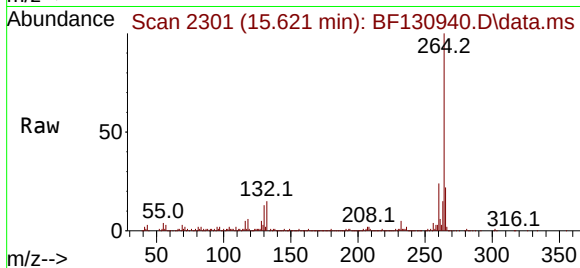
Tgt Ion:264 Resp: 146045

Ion Ratio Lower Upper

264 100

260 23.6 19.9 29.9

265 22.0 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 4.328 ng

RT: 15.168 min Scan# 2224

Delta R.T. -0.012 min

Lab File: BF130940.D

Acq: 02 Nov 2022 20:35

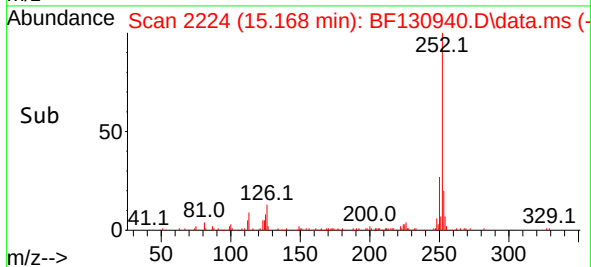
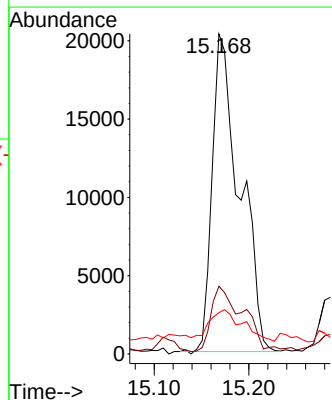
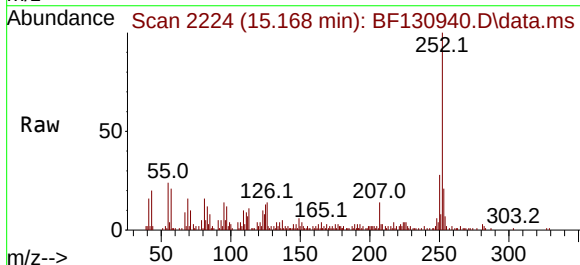
Tgt Ion:252 Resp: 40859

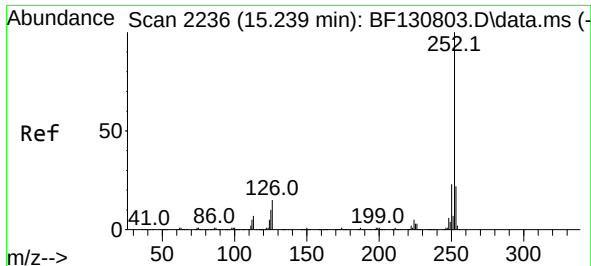
Ion Ratio Lower Upper

252 100

253 21.1 17.5 26.3

125 12.9 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 4.441 ng

RT: 15.168 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF130940.D

Acq: 02 Nov 2022 20:35

Instrument :

BNA_F

ClientSampleId :

S-2-103122

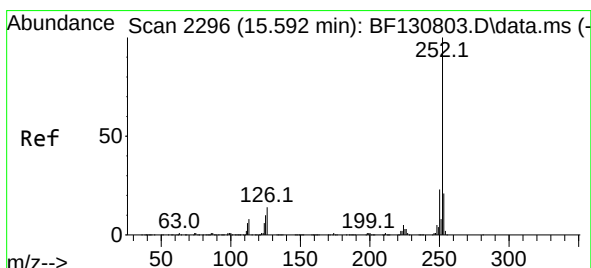
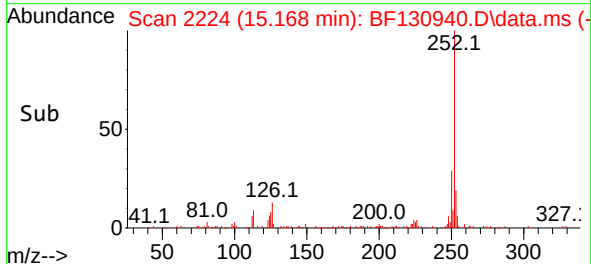
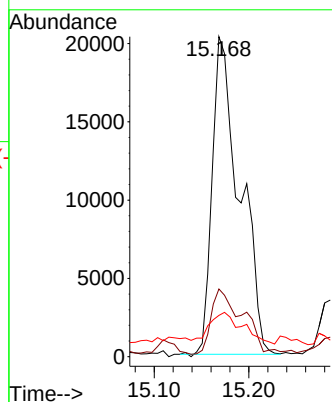
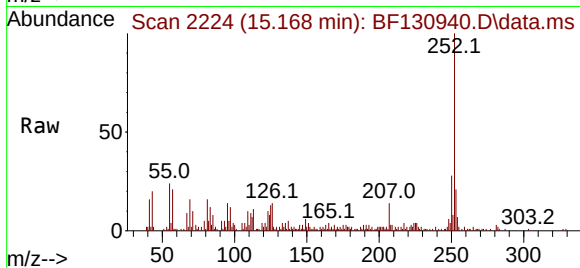
Tgt Ion:252 Resp: 40859

Ion Ratio Lower Upper

252 100

253 21.1 17.5 26.3

125 12.9 8.0 12.0#



#90

Benzo(a)pyrene

Concen: 2.903 ng

RT: 15.551 min Scan# 2289

Delta R.T. -0.018 min

Lab File: BF130940.D

Acq: 02 Nov 2022 20:35

Tgt Ion:252 Resp: 22029

Ion Ratio Lower Upper

252 100

253 24.9 16.8 25.2

125 14.7 8.3 12.5#

