

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
 Data File : BF133709.D
 Acq On : 12 Jun 2023 17:57
 Operator : CG\JU
 Sample : 03044-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-5.0-7.0-DUP

Quant Time: Jun 12 22:10:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 12 16:32:43 2023
 Response via : Initial Calibration

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

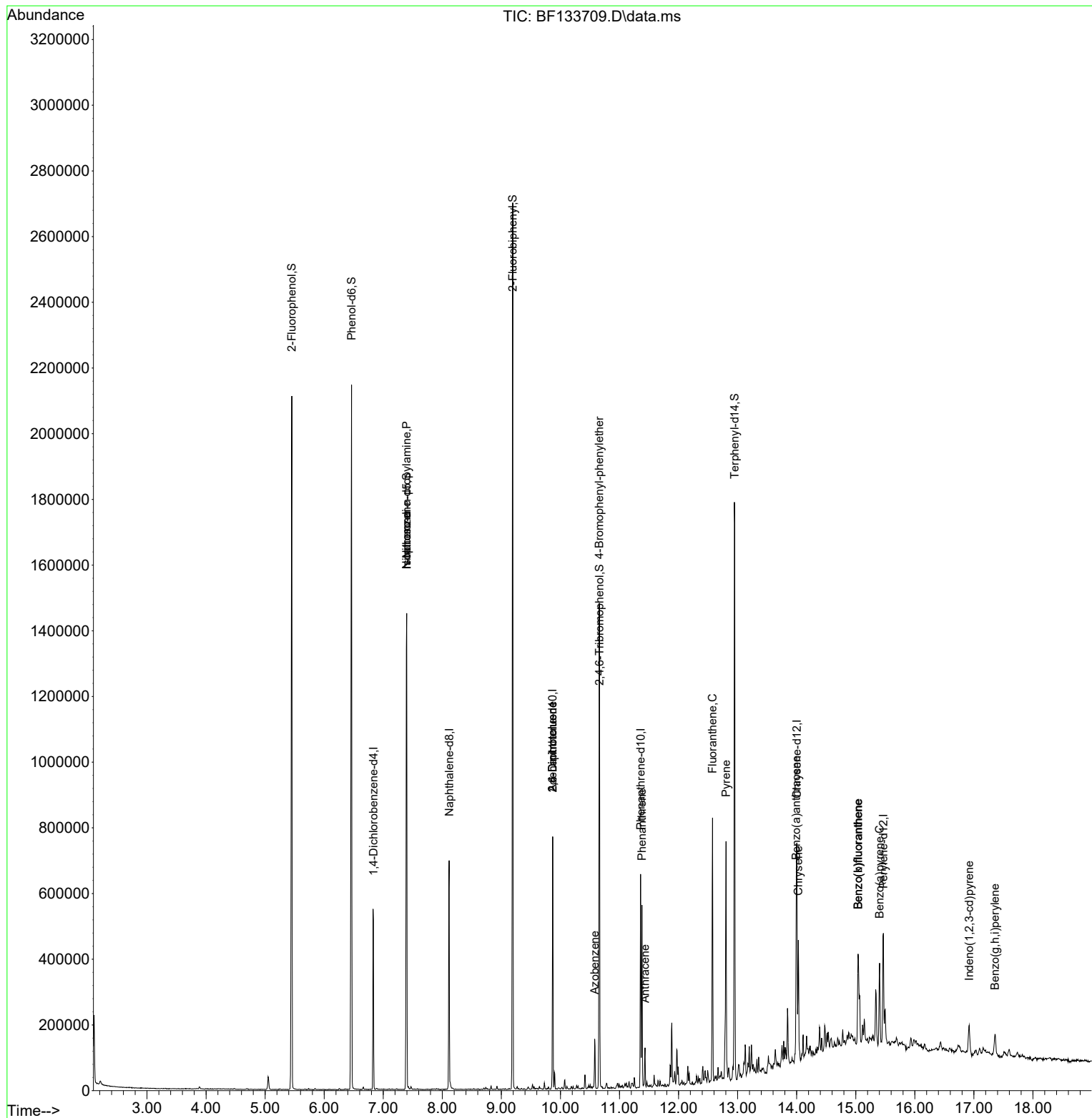
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	75780	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	283726	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	128603	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	207205	20.000	ng	0.00
76) Chrysene-d12	14.004	240	163434	20.000	ng	-0.01
86) Perylene-d12	15.468	264	152126	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	515716	118.476	ng	0.00
7) Phenol-d6	6.463	99	621016	109.603	ng	0.00
23) Nitrobenzene-d5	7.398	82	435217	83.548	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	150662	92.551	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	721492	79.750	ng	0.00
79) Terphenyl-d14	12.951	244	605527	57.330	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	62177	17.247	ng	# 80
25) Isophorone	7.398	82	435212	45.508	ng	# 65
51) 2,6-Dinitrotoluene	9.869	165	16775	8.466	ng	# 28
57) 2,4-Dinitrotoluene	9.869	165	16775	6.657	ng	# 20
63) Azobenzene	10.580	77	24207	2.617	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	9831	4.251	ng	# 1
71) Phenanthrene	11.380	178	170419	16.211	ng	99
72) Anthracene	11.433	178	41388	3.776	ng	99
75) Fluoranthene	12.574	202	295494	26.469	ng	99
78) Pyrene	12.804	202	285799	18.772	ng	99
81) Benzo(a)anthracene	13.992	228	153561	13.584	ng	96
83) Chrysene	14.027	228	131696	12.317	ng	97
87) Indeno(1,2,3-cd)pyrene	16.921	276	56661	5.414	ng	97
88) Benzo(b)fluoranthene	15.039	252	213837	23.140	ng	96
89) Benzo(k)fluoranthene	15.039	252	213837	23.755	ng	96
90) Benzo(a)pyrene	15.404	252	115904	13.514	ng	97
92) Benzo(g,h,i)perylene	17.356	276	53632	6.243	ng	95

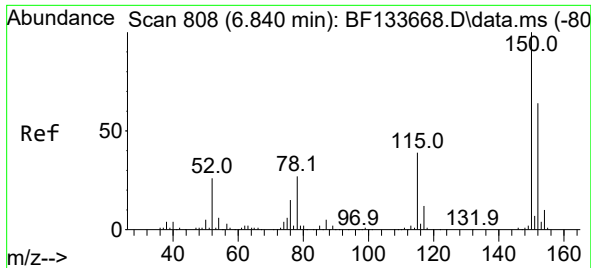
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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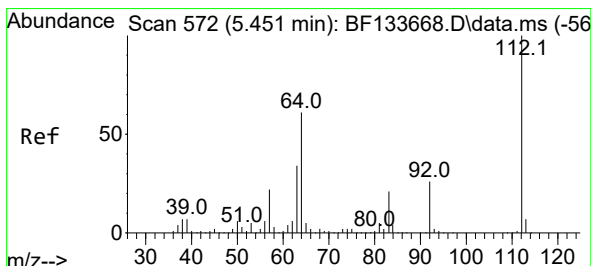
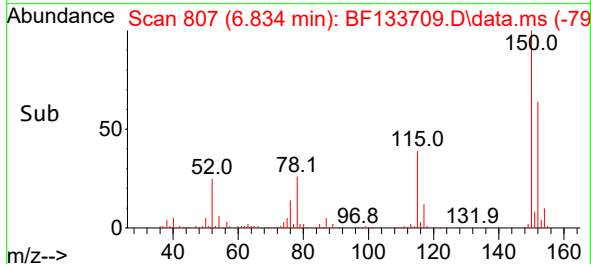
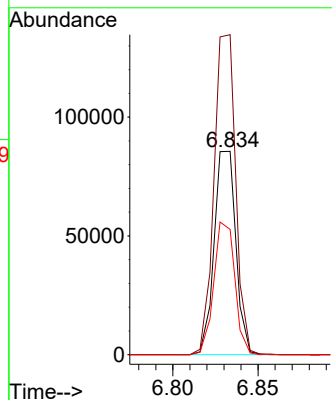
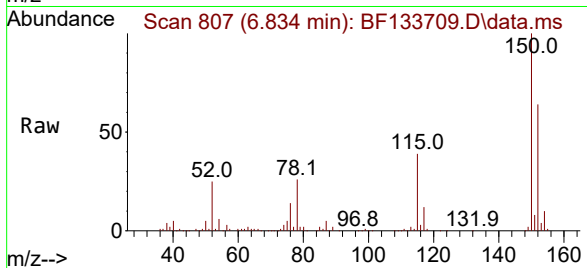




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

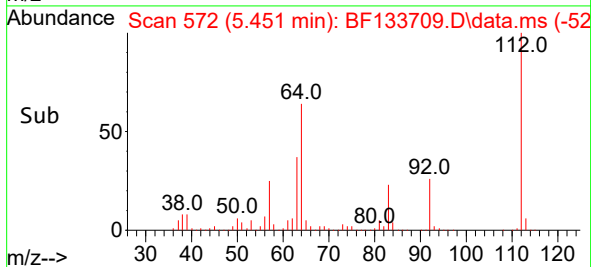
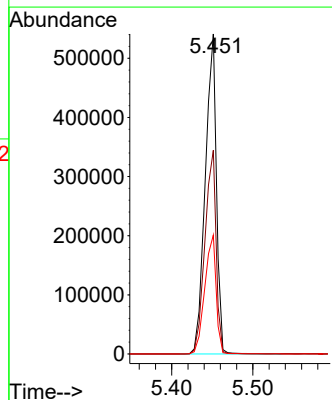
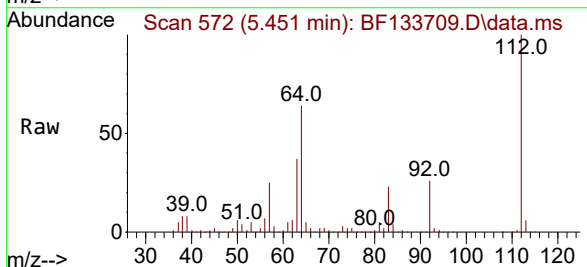
Instrument :
BNA_F
ClientSampleId :
SB-02-5.0-7.0-DUP

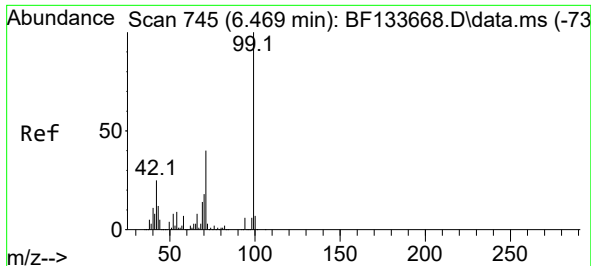
Tgt Ion:152 Resp: 75780
Ion Ratio Lower Upper
152 100
150 157.4 124.3 186.5
115 61.6 48.5 72.7



#5
2-Fluorophenol
Concen: 118.476 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

Tgt Ion:112 Resp: 515716
Ion Ratio Lower Upper
112 100
64 63.7 49.0 73.4
63 37.2 26.8 40.2

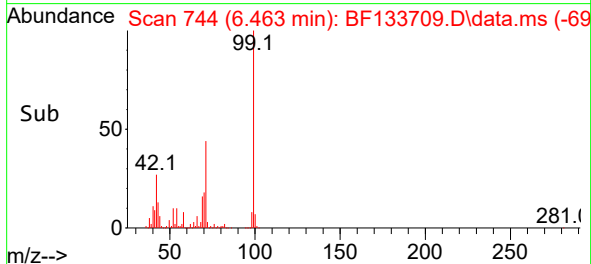
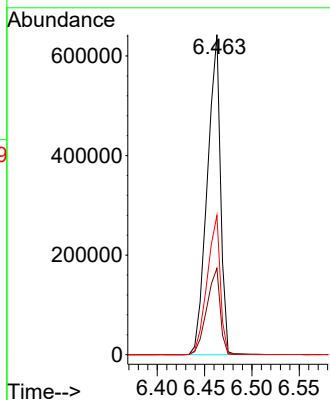
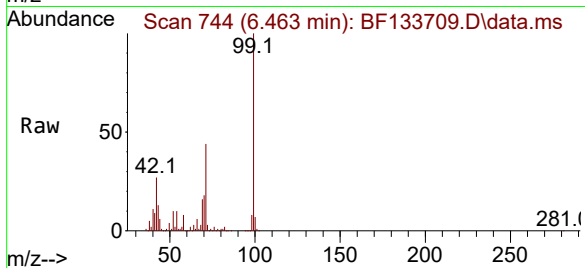




#7
Phenol-d6
Concen: 109.603 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

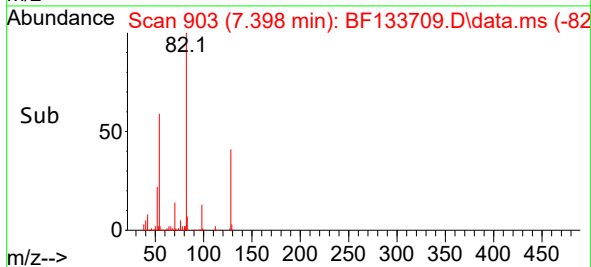
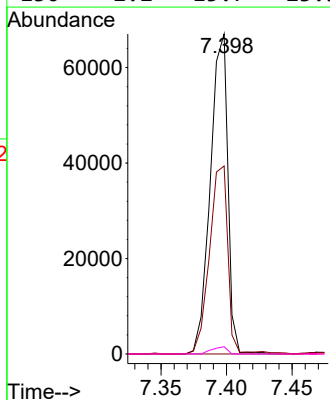
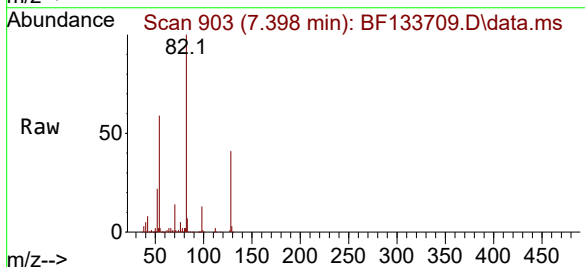
Instrument :
BNA_F
ClientSampleId :
SB-02-5.0-7.0-DUP

Tgt Ion: 99 Resp: 621016
Ion Ratio Lower Upper
99 100
42 27.0 19.9 29.9
71 43.5 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 17.247 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.147 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

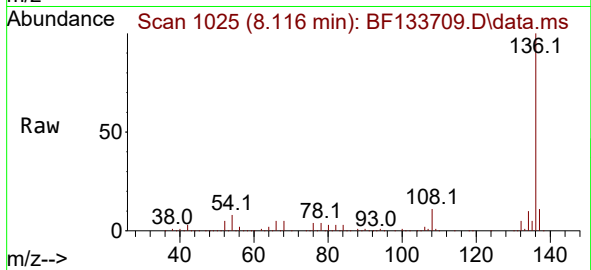
Tgt Ion: 70 Resp: 62177
Ion Ratio Lower Upper
70 100
42 58.8 55.8 83.8
101 0.0 8.1 12.1#
130 2.2 15.7 23.5#



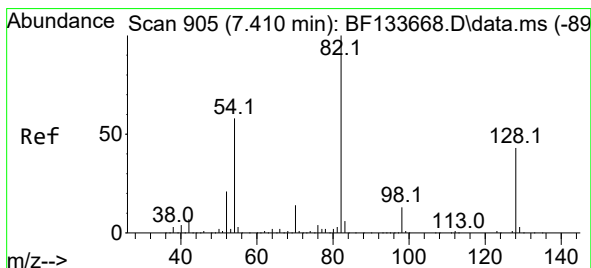
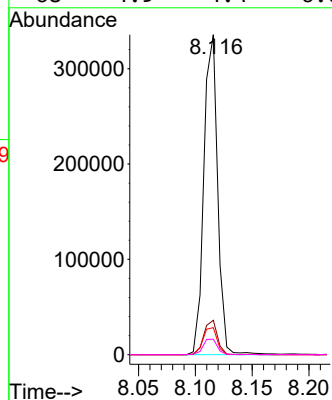
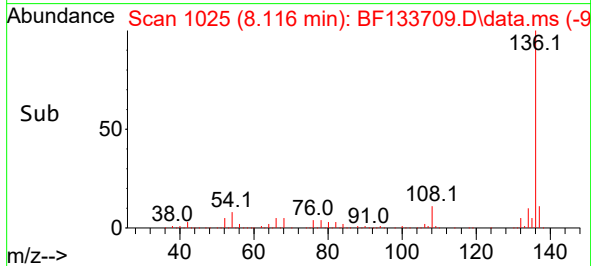


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

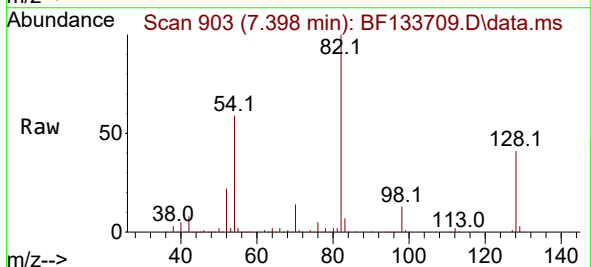
Instrument :
BNA_F
ClientSampleId :
SB-02-5.0-7.0-DUP



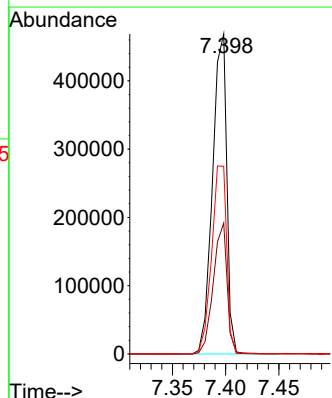
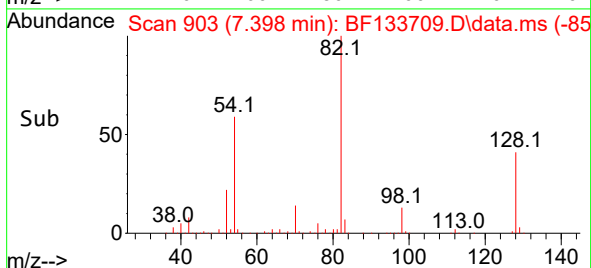
Tgt Ion:136 Resp: 283726
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.5 7.4 11.0
68 4.9 4.4 6.6



#23
Nitrobenzene-d5
Concen: 83.548 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57



Tgt Ion: 82 Resp: 435217
Ion Ratio Lower Upper
82 100
128 40.9 34.2 51.2
54 58.6 46.5 69.7

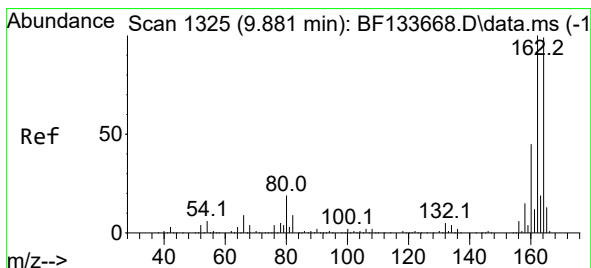
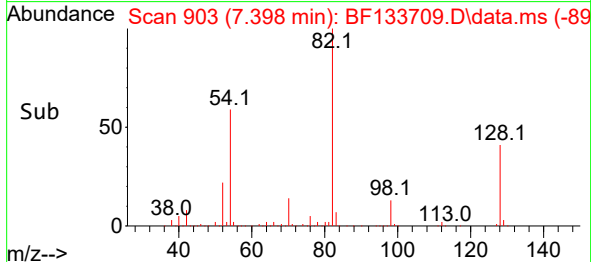
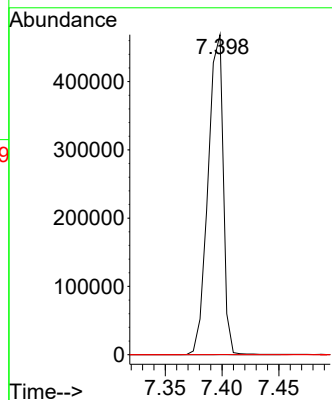
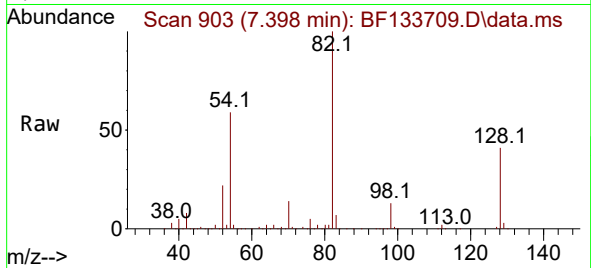




#25
Isophorone
Concen: 45.508 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

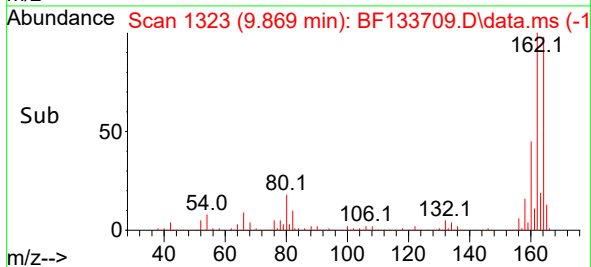
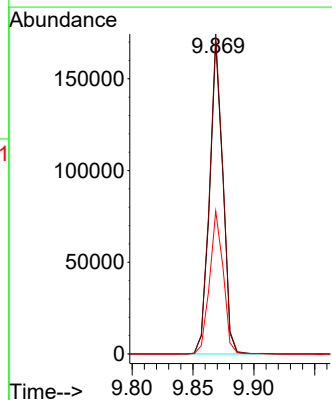
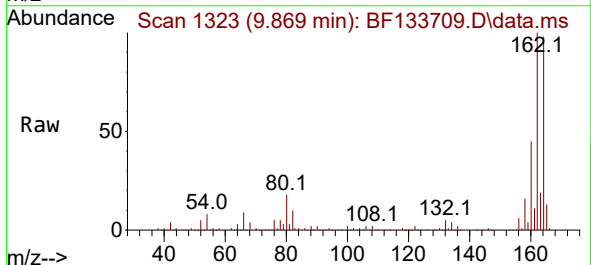
Instrument :
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ClientSampleId :
SB-02-5.0-7.0-DUP

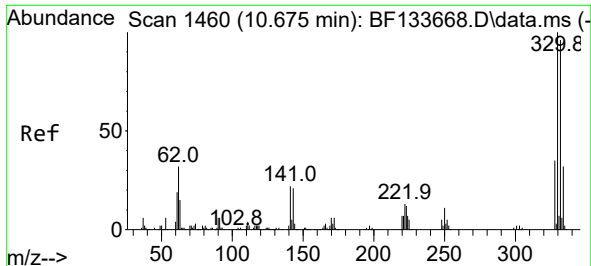
Tgt Ion: 82 Resp: 435212
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

Tgt Ion: 164 Resp: 128603
Ion Ratio Lower Upper
164 100
162 102.4 80.8 121.2
160 45.8 36.7 55.1

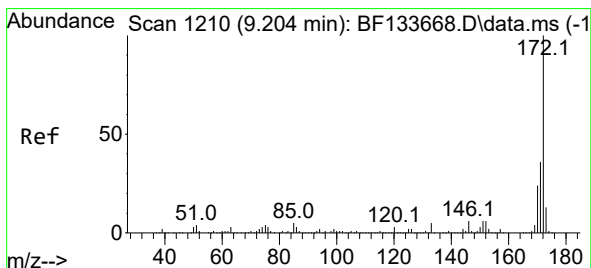
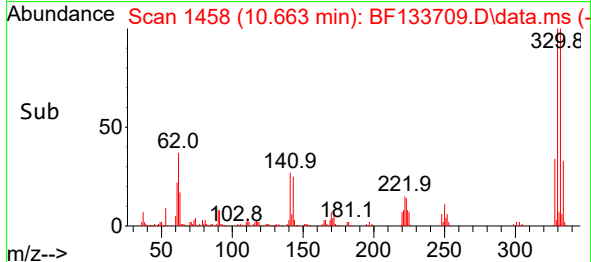
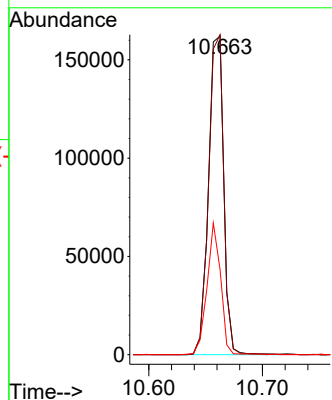
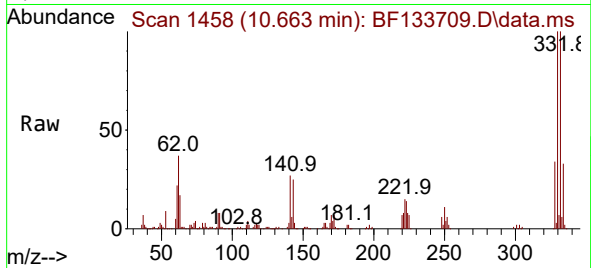




#42
2,4,6-Tribromophenol
Concen: 92.551 ng
RT: 10.663 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

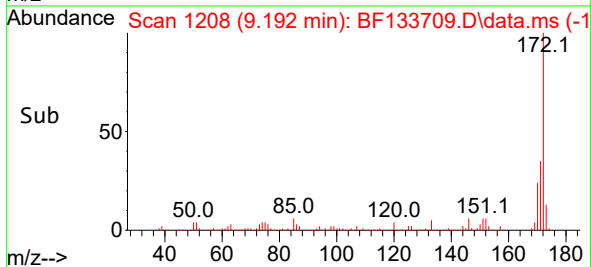
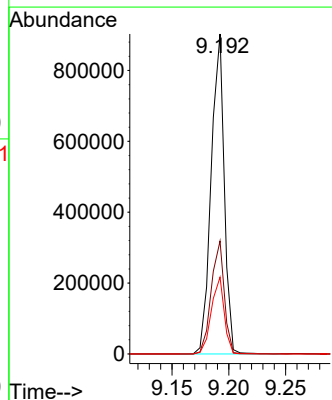
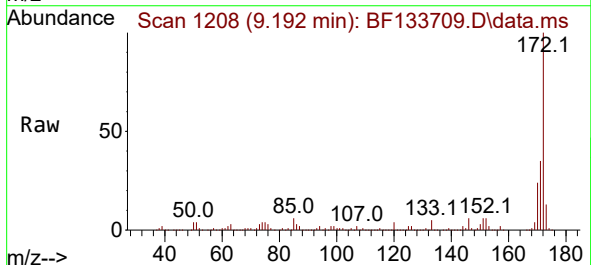
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SB-02-5.0-7.0-DUP

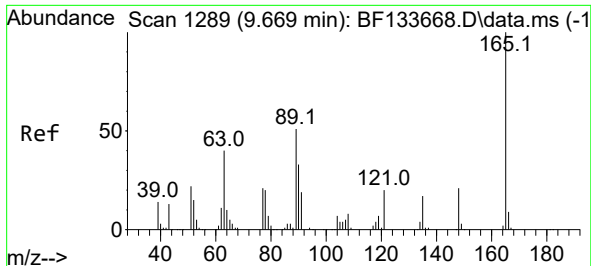
Tgt Ion:330 Resp: 150662
Ion Ratio Lower Upper
330 100
332 99.1 77.2 115.8
141 37.0 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 79.750 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

Tgt Ion:172 Resp: 721492
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 24.0 19.1 28.7

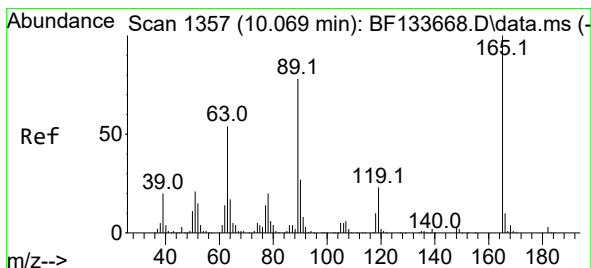
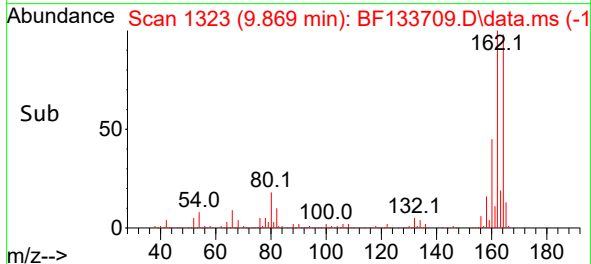
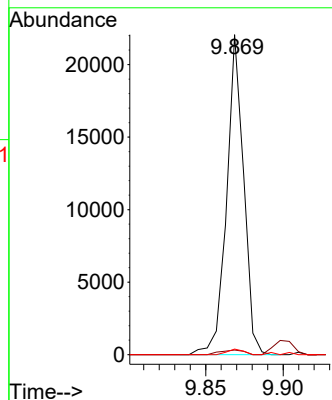
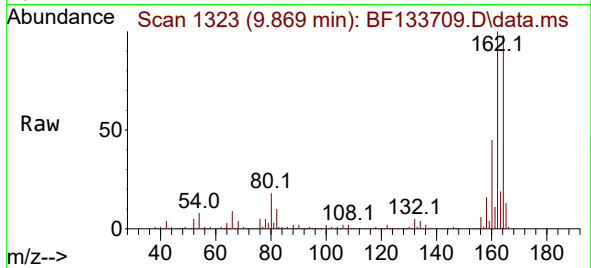




#51
2,6-Dinitrotoluene
Concen: 8.466 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

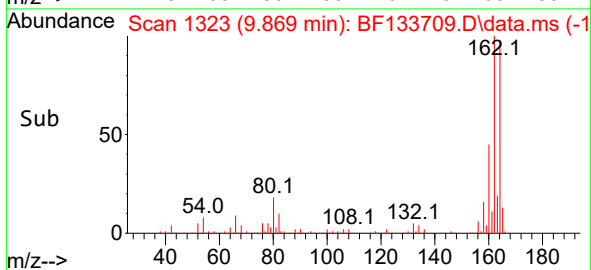
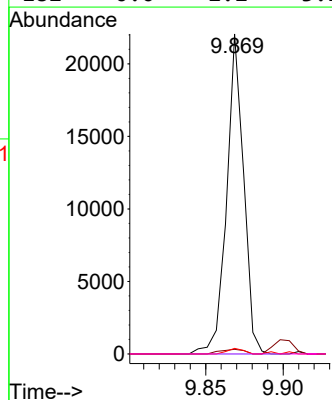
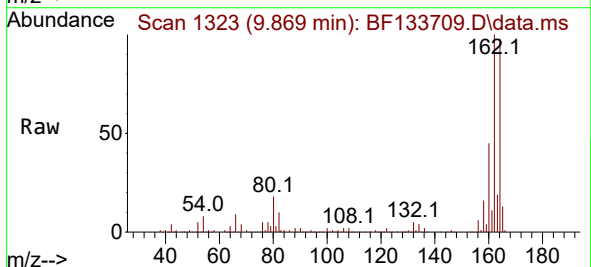
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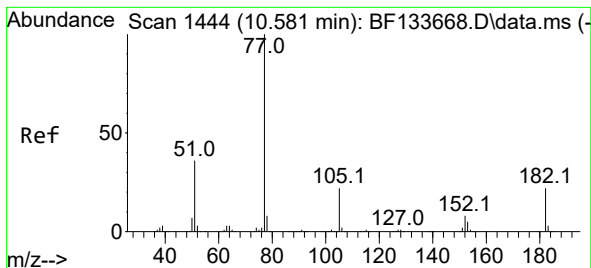
Tgt Ion:165 Resp: 16775
Ion Ratio Lower Upper
165 100
63 1.5 42.1 63.1#
89 1.7 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.657 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.200 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

Tgt Ion:165 Resp: 16775
Ion Ratio Lower Upper
165 100
63 1.5 43.0 64.6#
89 1.7 62.6 93.8#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.617 ng

RT: 10.580 min Scan# 1444

Delta R.T. -0.000 min

Lab File: BF133709.D

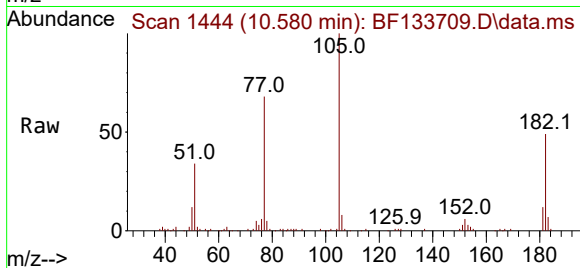
Acq: 12 Jun 2023 17:57

Instrument :

BNA_F

ClientSampleId :

SB-02-5.0-7.0-DUP



Tgt Ion: 77 Resp: 24207

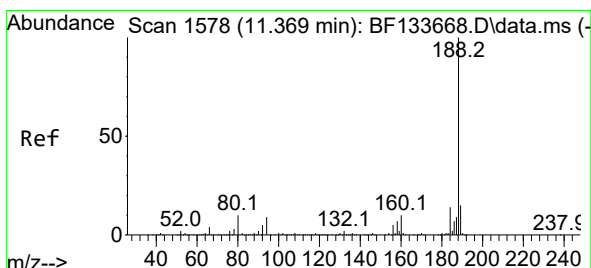
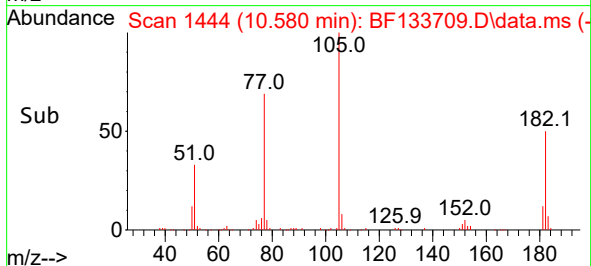
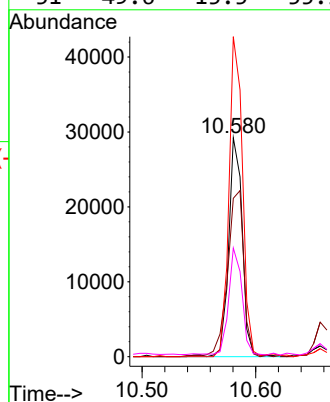
Ion Ratio Lower Upper

77 100

182 72.4 1.6 41.6#

105 146.2 1.6 41.6#

51 49.6 15.5 55.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BF133709.D

Acq: 12 Jun 2023 17:57

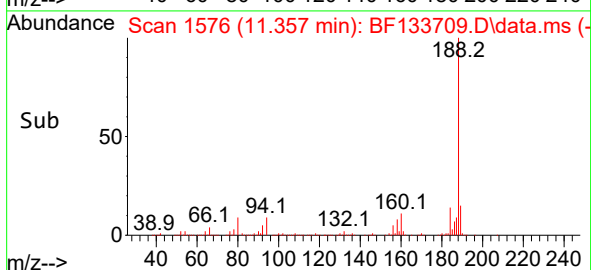
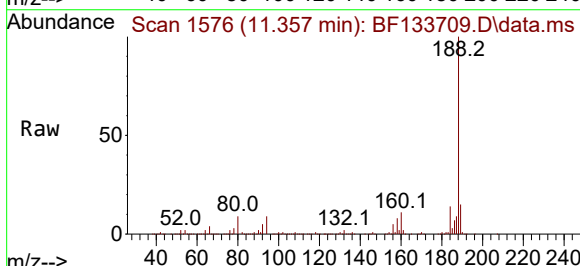
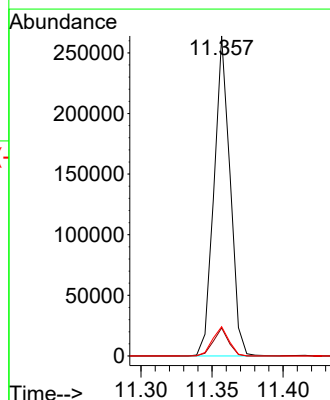
Tgt Ion: 188 Resp: 207205

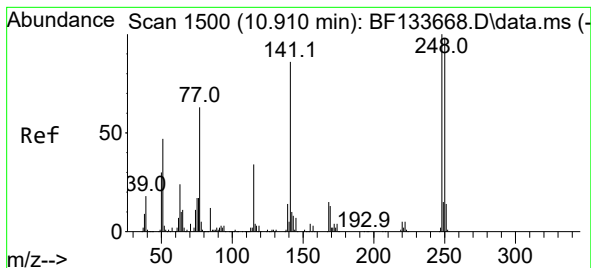
Ion Ratio Lower Upper

188 100

94 8.8 6.8 10.2

80 9.2 7.8 11.6

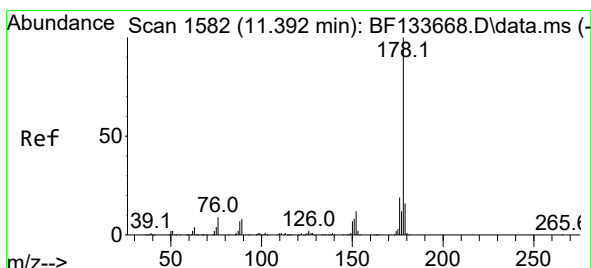
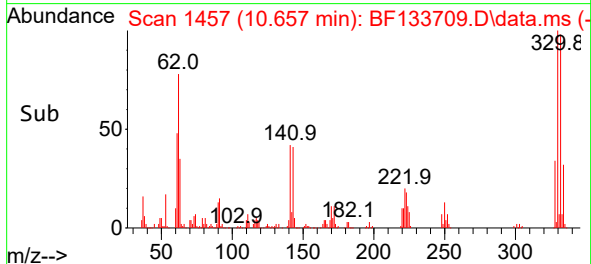
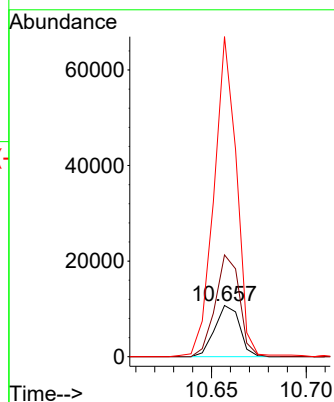
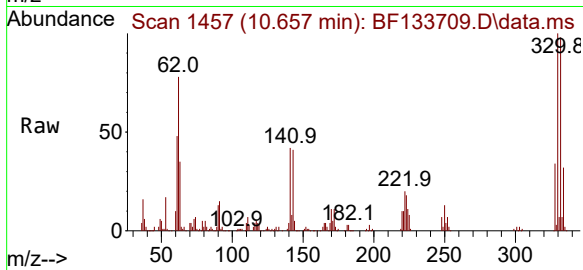




#67
4-Bromophenyl-phenylether
Concen: 4.251 ng
RT: 10.657 min Scan# 141
Delta R.T. -0.253 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

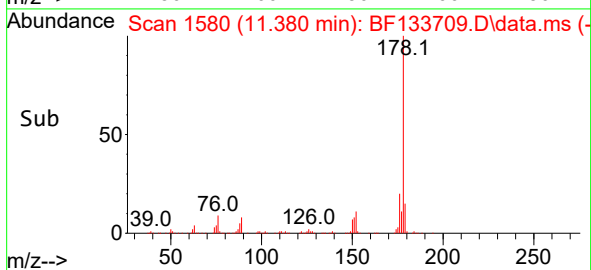
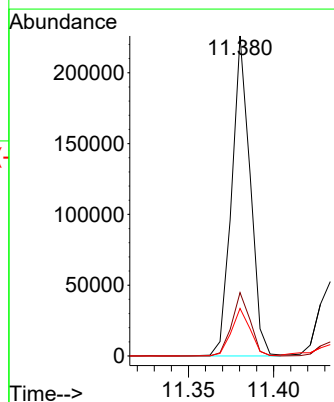
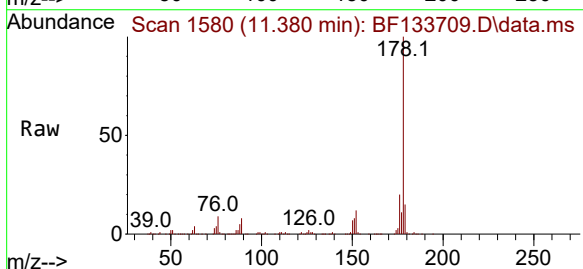
Instrument :
BNA_F
ClientSampleId :
SB-02-5.0-7.0-DUP

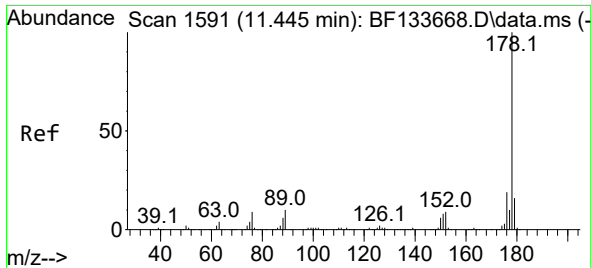
Tgt Ion:248 Resp: 9831
Ion Ratio Lower Upper
248 100
250 198.8 78.3 117.5#
141 625.3 69.0 103.6#



#71
Phenanthrene
Concen: 16.211 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

Tgt Ion:178 Resp: 170419
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 14.9 12.4 18.6

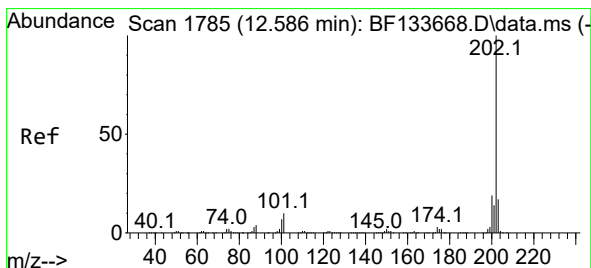
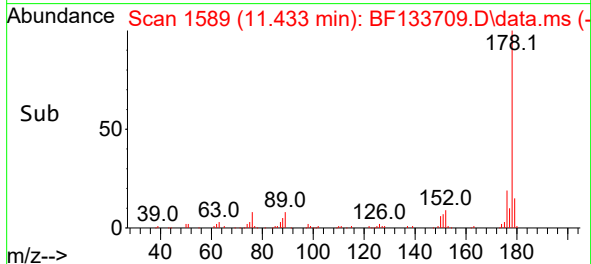
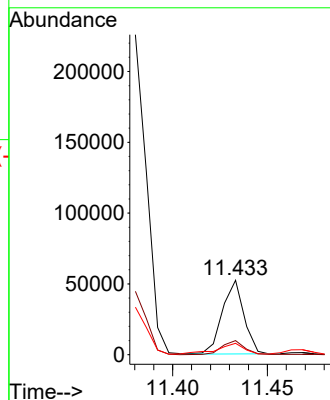
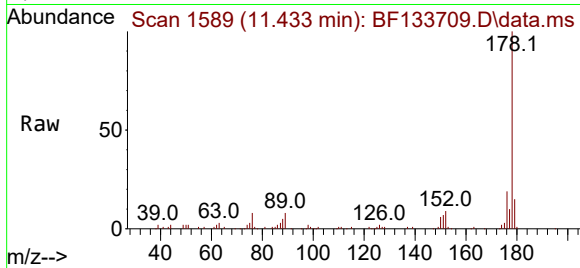




#72
 Anthracene
 Concen: 3.776 ng
 RT: 11.433 min Scan# 1589
 Delta R.T. -0.012 min
 Lab File: BF133709.D
 Acq: 12 Jun 2023 17:57

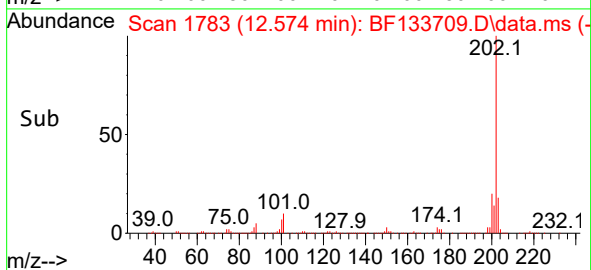
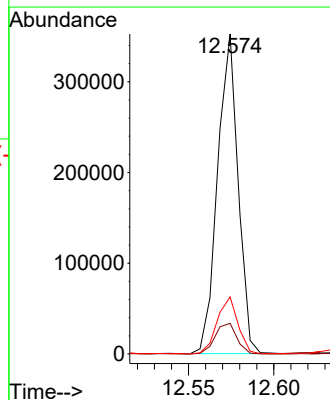
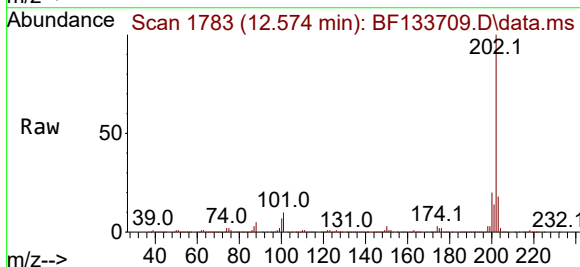
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-5.0-7.0-DUP

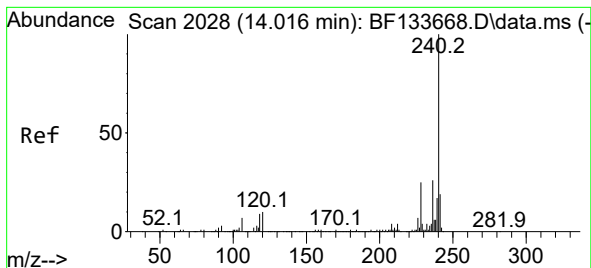
Tgt Ion:178 Resp: 41388
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.1 22.7
 179 15.2 12.6 18.8



#75
 Fluoranthene
 Concen: 26.469 ng
 RT: 12.574 min Scan# 1783
 Delta R.T. -0.006 min
 Lab File: BF133709.D
 Acq: 12 Jun 2023 17:57

Tgt Ion:202 Resp: 295494
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 29.6
 203 17.8 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.012 min

Lab File: BF133709.D

Acq: 12 Jun 2023 17:57

Instrument :

BNA_F

ClientSampleId :

SB-02-5.0-7.0-DUP

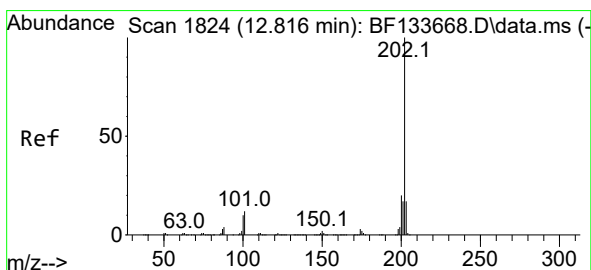
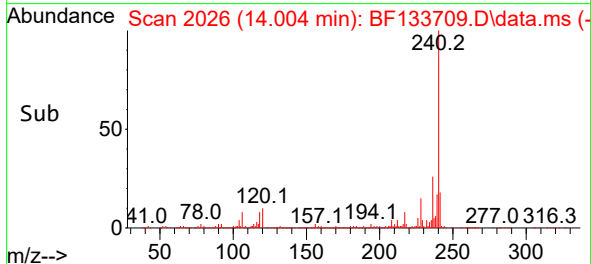
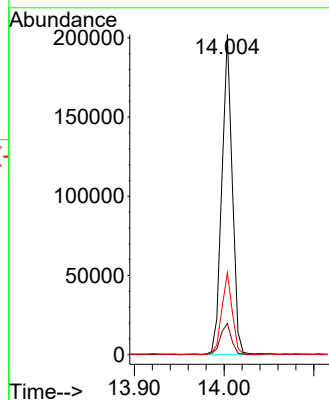
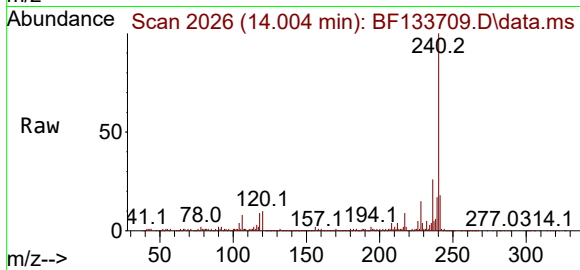
Tgt Ion:240 Resp: 163434

Ion Ratio Lower Upper

240 100

120 9.8 8.1 12.1

236 25.7 20.5 30.7



#78

Pyrene

Concen: 18.772 ng

RT: 12.804 min Scan# 1822

Delta R.T. -0.006 min

Lab File: BF133709.D

Acq: 12 Jun 2023 17:57

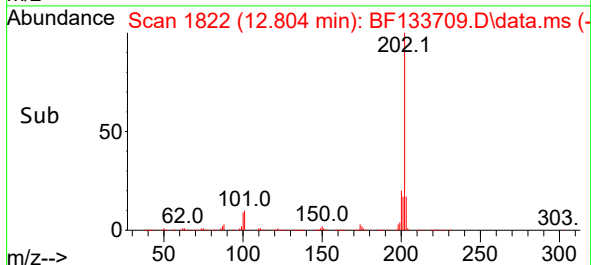
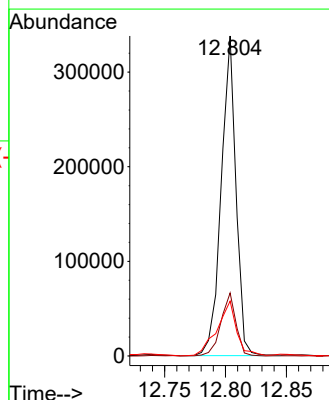
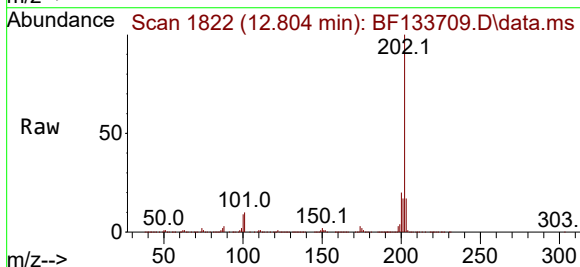
Tgt Ion:202 Resp: 285799

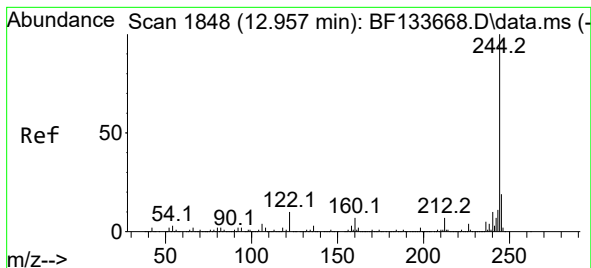
Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

203 17.2 13.9 20.9





#79

Terphenyl-d14

Concen: 57.330 ng

RT: 12.951 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133709.D

Acq: 12 Jun 2023 17:57

Instrument :

BNA_F

ClientSampleId :

SB-02-5.0-7.0-DUP

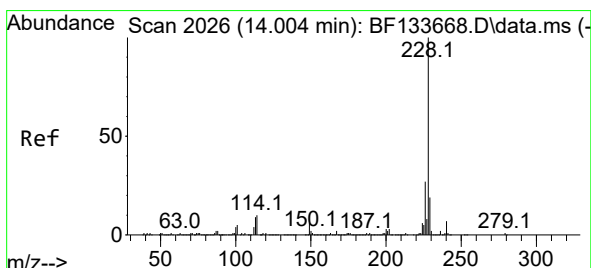
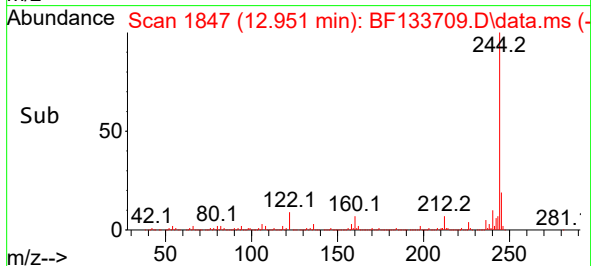
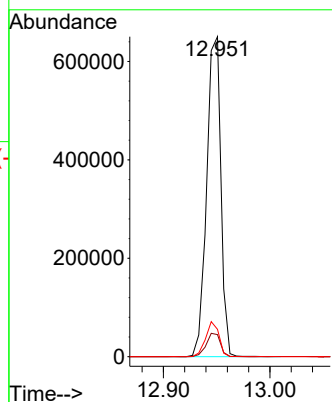
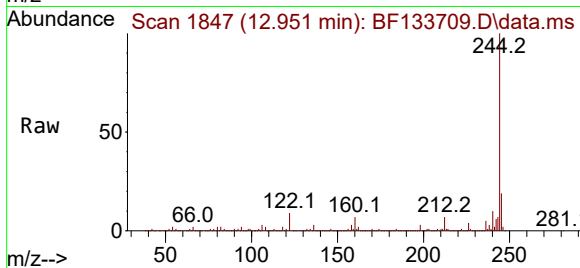
Tgt Ion:244 Resp: 605527

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 8.5 8.1 12.1



#81

Benzo(a)anthracene

Concen: 13.584 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.012 min

Lab File: BF133709.D

Acq: 12 Jun 2023 17:57

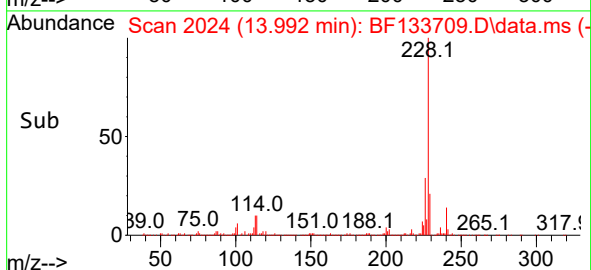
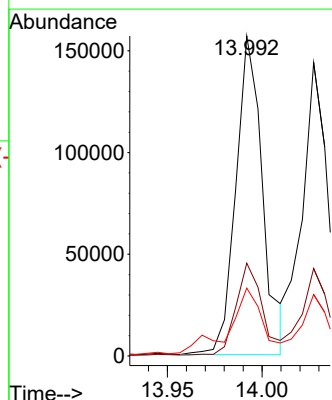
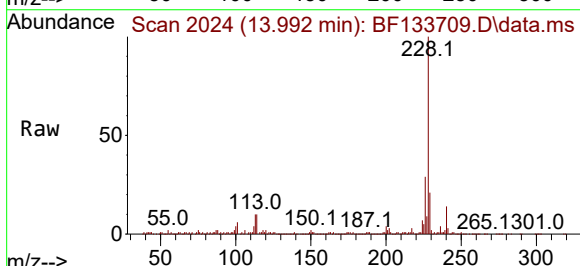
Tgt Ion:228 Resp: 153561

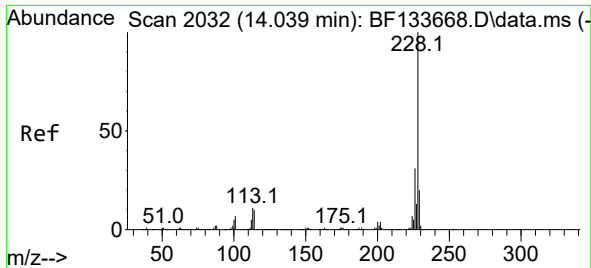
Ion Ratio Lower Upper

228 100

226 29.0 21.7 32.5

229 21.2 15.4 23.2

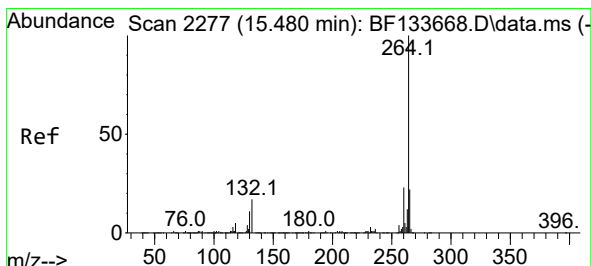
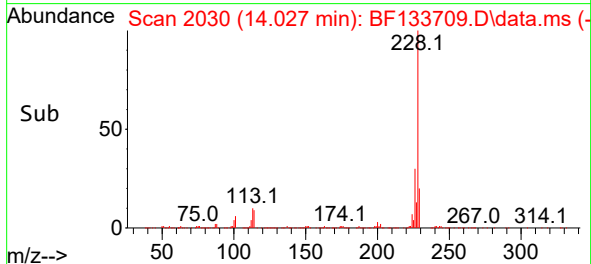
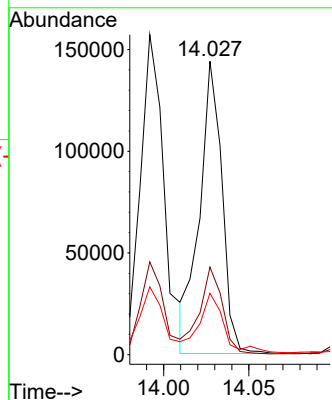
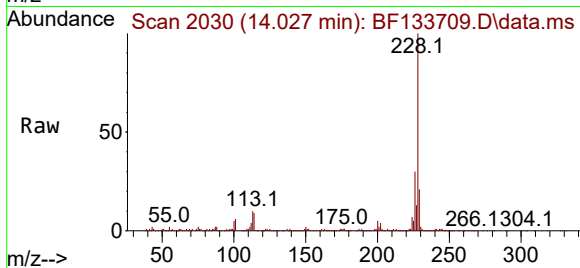




#83
Chrysene
Concen: 12.317 ng
RT: 14.027 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

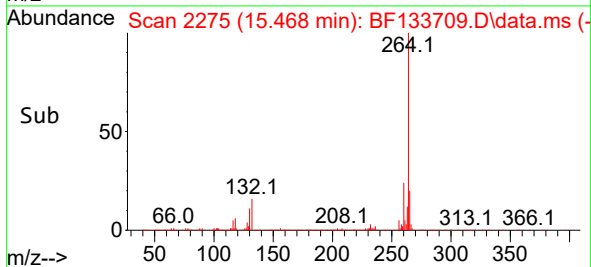
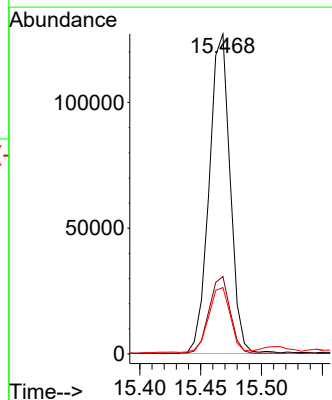
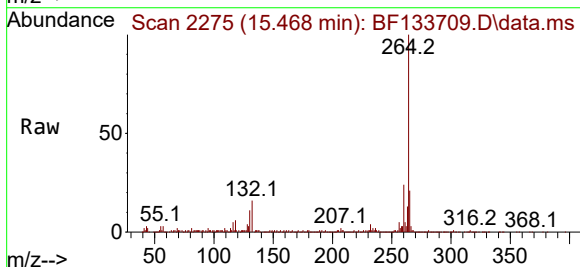
Instrument :
BNA_F
ClientSampleId :
SB-02-5.0-7.0-DUP

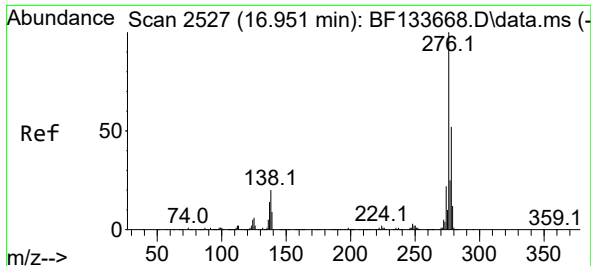
Tgt Ion:228 Resp: 131696
Ion Ratio Lower Upper
228 100
226 29.8 25.0 37.6
229 20.9 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF133709.D
Acq: 12 Jun 2023 17:57

Tgt Ion:264 Resp: 152126
Ion Ratio Lower Upper
264 100
260 24.2 18.2 27.2
265 20.8 17.8 26.6

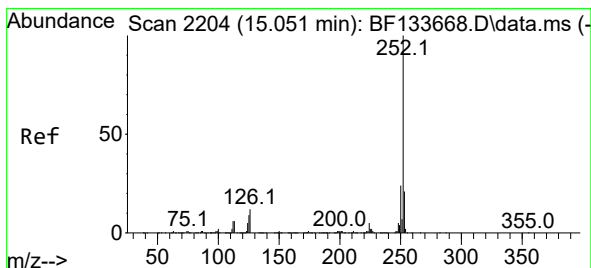
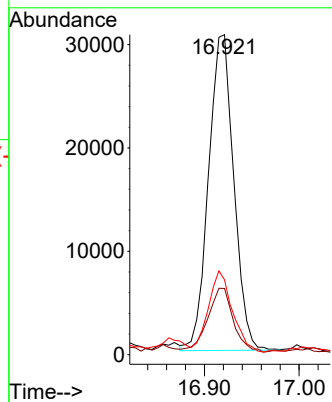
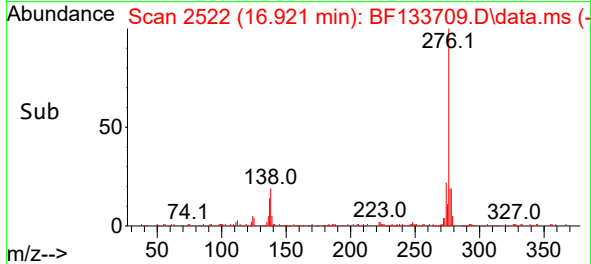
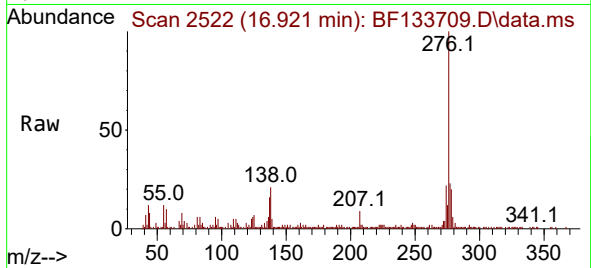




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.414 ng
 RT: 16.921 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BF133709.D
 Acq: 12 Jun 2023 17:57

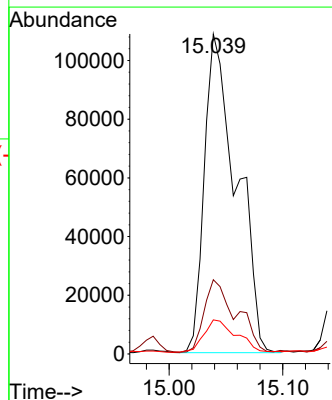
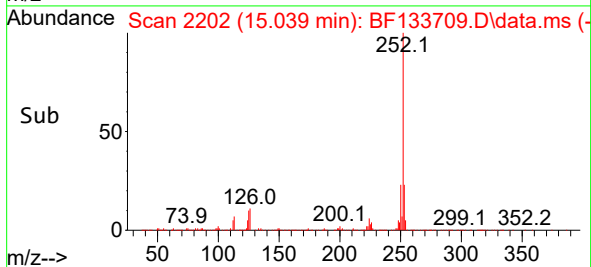
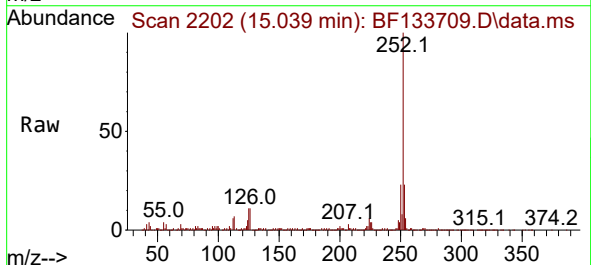
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-5.0-7.0-DUP

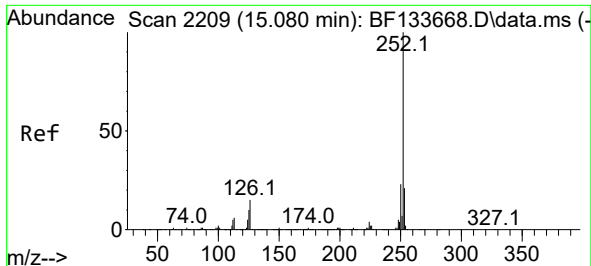
Tgt Ion:276 Resp: 56661
 Ion Ratio Lower Upper
 276 100
 138 20.7 17.9 26.9
 277 24.5 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 23.140 ng
 RT: 15.039 min Scan# 2202
 Delta R.T. -0.012 min
 Lab File: BF133709.D
 Acq: 12 Jun 2023 17:57

Tgt Ion:252 Resp: 213837
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.0 25.6
 125 10.7 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 23.755 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF133709.D

Acq: 12 Jun 2023 17:57

Instrument :

BNA_F

ClientSampleId :

SB-02-5.0-7.0-DUP

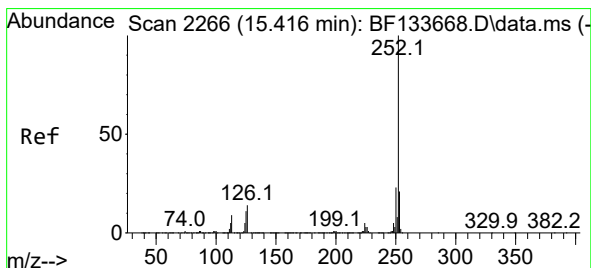
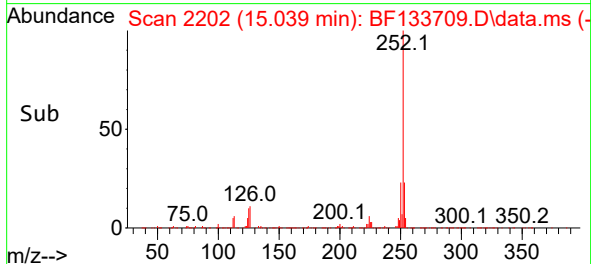
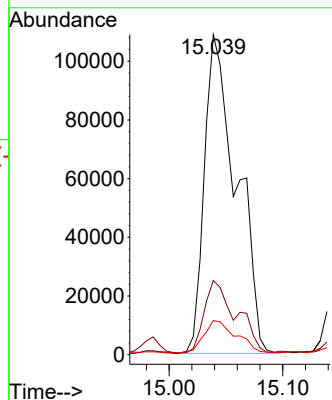
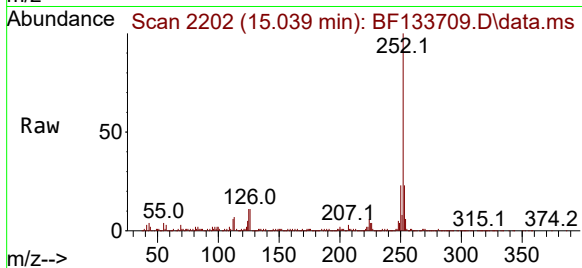
Tgt Ion:252 Resp: 213837

Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.4

125 10.7 7.8 11.6



#90

Benzo(a)pyrene

Concen: 13.514 ng

RT: 15.404 min Scan# 2264

Delta R.T. -0.012 min

Lab File: BF133709.D

Acq: 12 Jun 2023 17:57

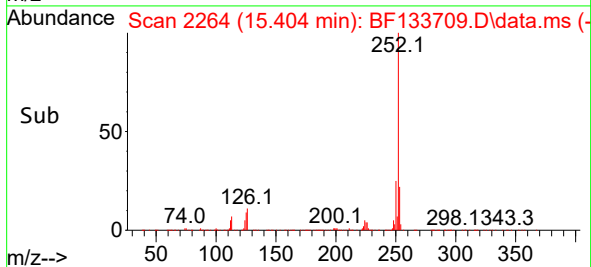
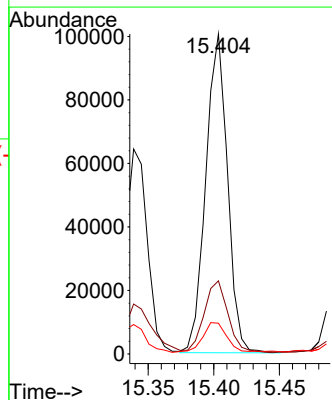
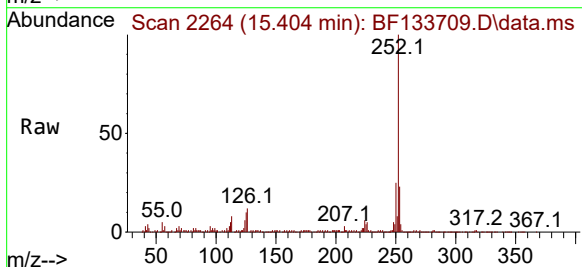
Tgt Ion:252 Resp: 115904

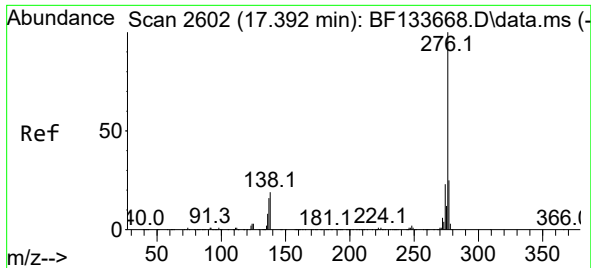
Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

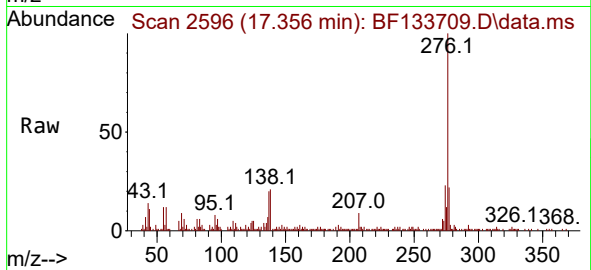
125 9.6 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 6.243 ng
 RT: 17.356 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF133709.D
 Acq: 12 Jun 2023 17:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-5.0-7.0-DUP



Tgt Ion: 276 Resp: 53632
 Ion Ratio Lower Upper
 276 100
 277 21.8 19.8 29.8
 138 20.7 15.0 22.4

