

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
 Data File : BF133710.D
 Acq On : 12 Jun 2023 18:30
 Operator : CG\JU
 Sample : 03044-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-5.0-7.0

Quant Time: Jun 12 22:10:41 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)

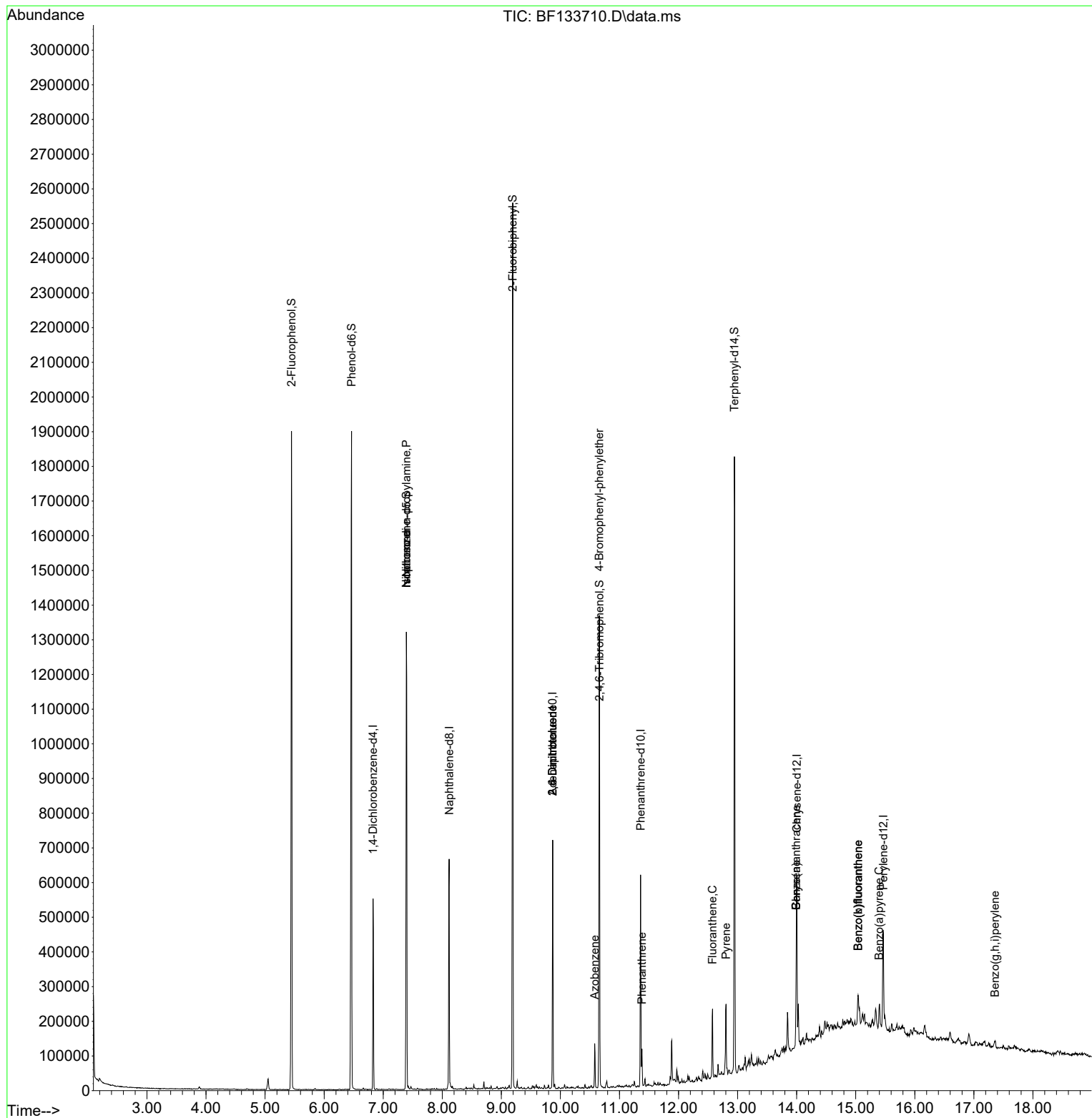
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	71085	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	267347	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	119928	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	194867	20.000	ng	0.00
76) Chrysene-d12	14.004	240	155940	20.000	ng	-0.01
86) Perylene-d12	15.468	264	132293	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	472922	115.820	ng	0.00
7) Phenol-d6	6.463	99	574302	108.053	ng	0.00
23) Nitrobenzene-d5	7.393	82	395513	80.578	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	140753	92.718	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	699377	82.898	ng	0.00
79) Terphenyl-d14	12.945	244	603007	59.835	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.393	70	56435	16.689	ng	# 81
25) Isophorone	7.393	82	395508	43.890	ng	# 65
51) 2,6-Dinitrotoluene	9.869	165	15478	8.377	ng	# 28
57) 2,4-Dinitrotoluene	9.869	165	15478	6.587	ng	# 20
63) Azobenzene	10.581	77	21524	2.496	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	9147	4.206	ng	# 1
71) Phenanthrene	11.380	178	34191	3.458	ng	98
75) Fluoranthene	12.575	202	76281	7.266	ng	97
78) Pyrene	12.804	202	86422	5.949	ng	98
81) Benzo(a)anthracene	13.992	228	49617	4.600	ng	92
83) Chrysene	13.992	228	49617	4.863	ng	98
88) Benzo(b)fluoranthene	15.039	252	63120	7.854	ng	# 90
89) Benzo(k)fluoranthene	15.039	252	63120	8.063	ng	# 90
90) Benzo(a)pyrene	15.398	252	34549	4.632	ng	# 95
92) Benzo(g,h,i)perylene	17.357	276	19508	2.611	ng	99

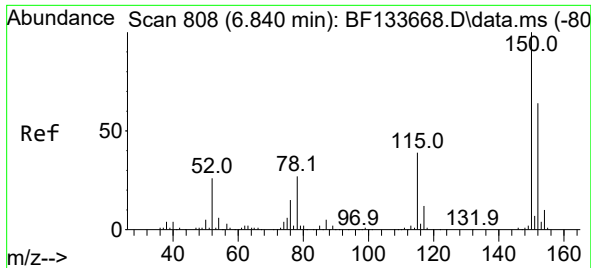
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
Data File : BF133710.D
Acq On : 12 Jun 2023 18:30
Operator : CG\JU
Sample : 03044-15
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-08-5.0-7.0

Quant Time: Jun 12 22:10:41 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

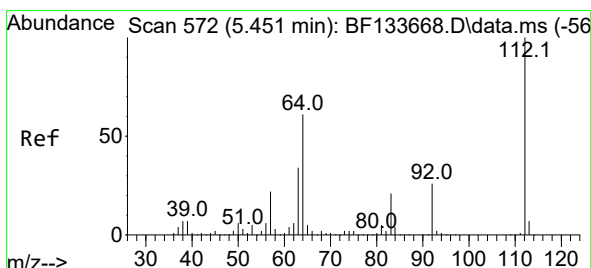
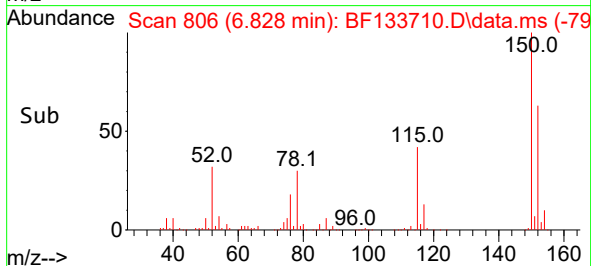
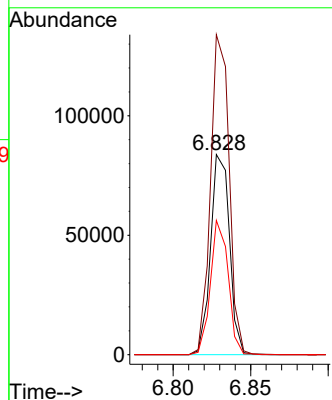
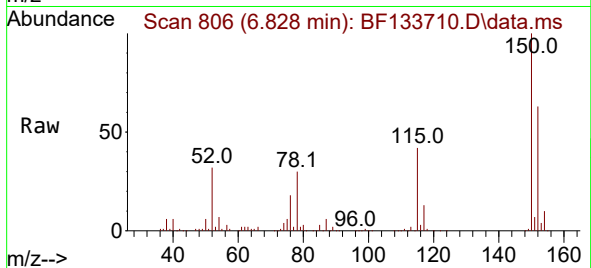




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

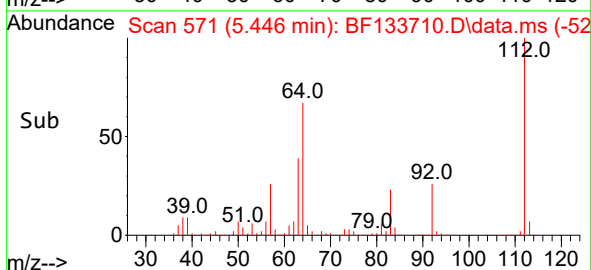
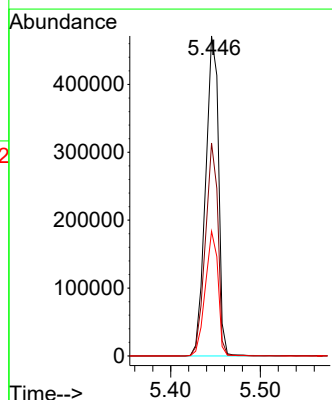
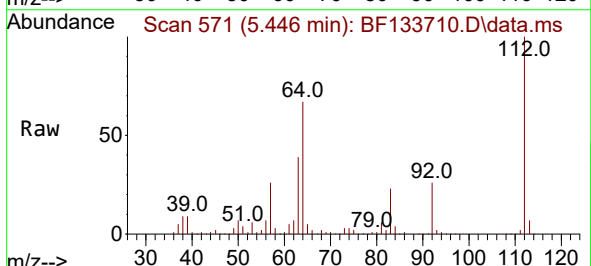
Instrument :
BNA_F
ClientSampleId :
SB-08-5.0-7.0

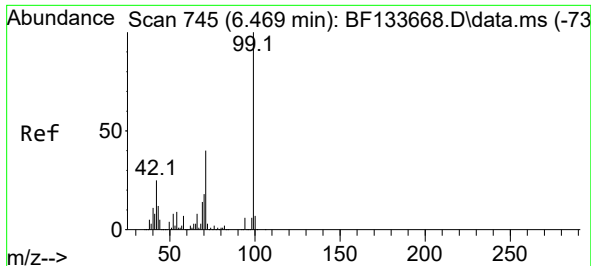
Tgt Ion:152 Resp: 71085
Ion Ratio Lower Upper
152 100
150 159.8 124.3 186.5
115 67.0 48.5 72.7



#5
2-Fluorophenol
Concen: 115.820 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

Tgt Ion:112 Resp: 472922
Ion Ratio Lower Upper
112 100
64 66.5 49.0 73.4
63 39.0 26.8 40.2

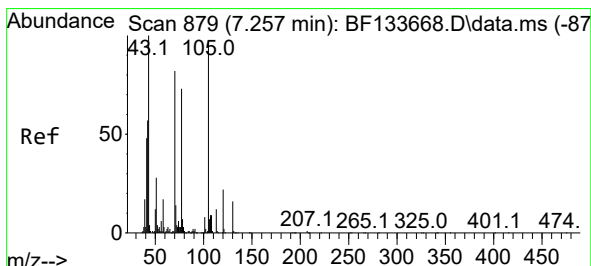
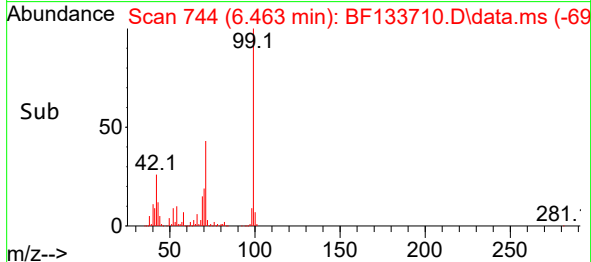
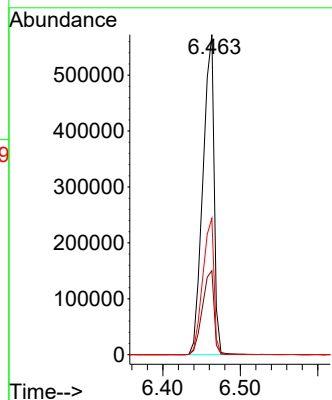
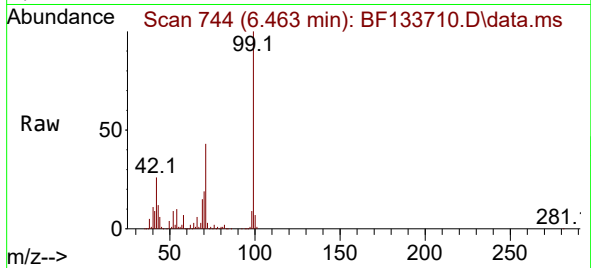




#7
Phenol-d6
Concen: 108.053 ng
RT: 6.463 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

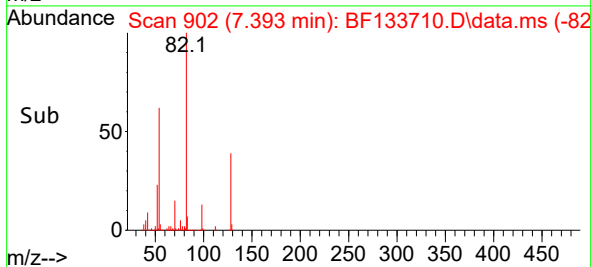
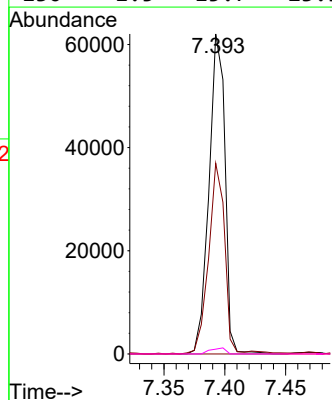
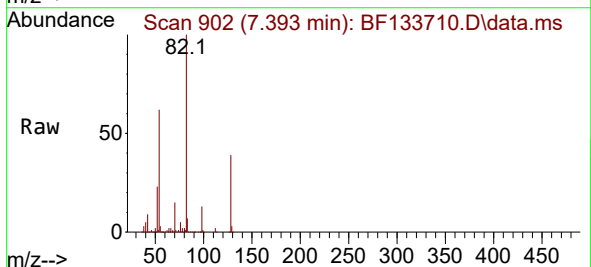
Instrument :
BNA_F
ClientSampleId :
SB-08-5.0-7.0

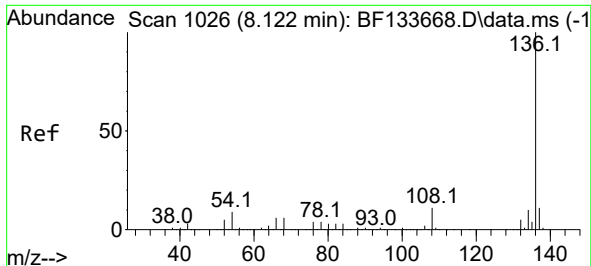
Tgt Ion: 99 Resp: 574302
Ion Ratio Lower Upper
99 100
42 26.3 19.9 29.9
71 42.6 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.689 ng
RT: 7.393 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

Tgt Ion: 70 Resp: 56435
Ion Ratio Lower Upper
70 100
42 59.6 55.8 83.8
101 0.0 8.1 12.1#
130 1.5 15.7 23.5#

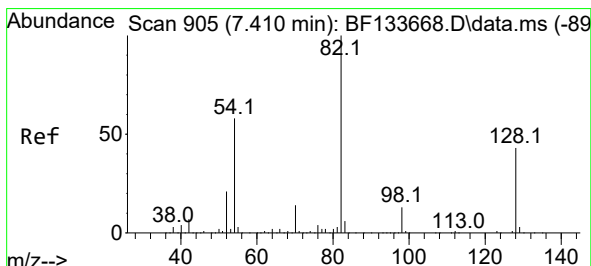
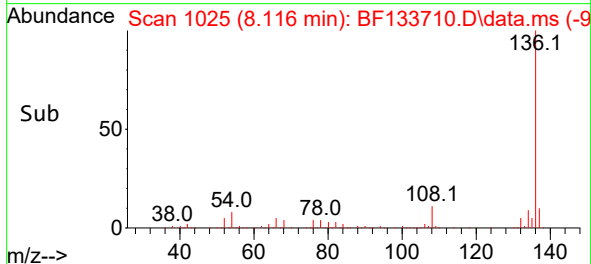
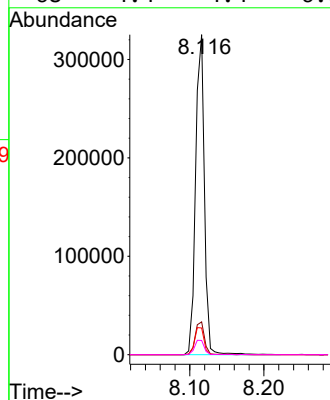
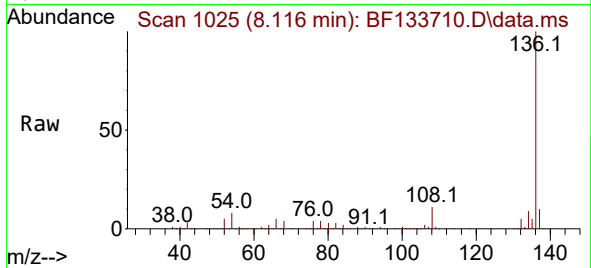




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

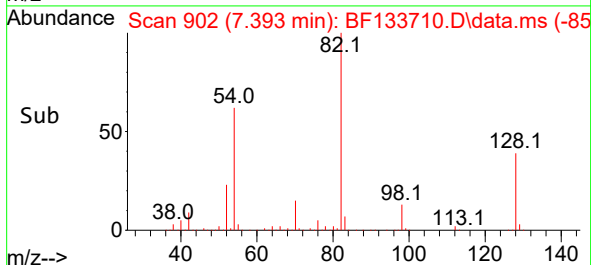
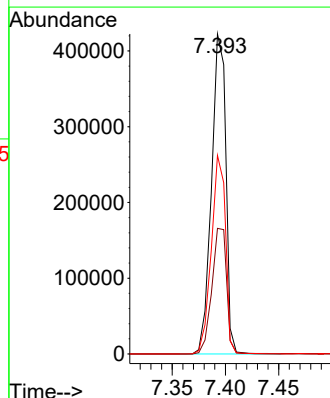
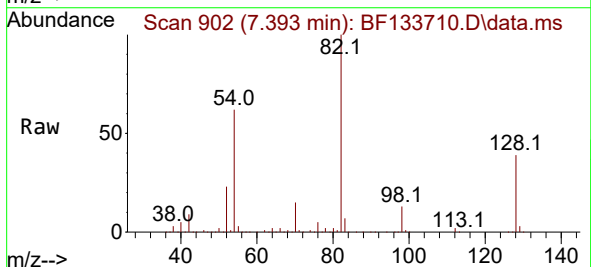
Instrument :
BNA_F
ClientSampleId :
SB-08-5.0-7.0

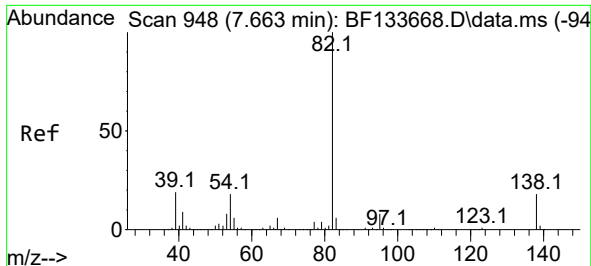
Tgt Ion:136 Resp: 267347
Ion Ratio Lower Upper
136 100
137 10.3 8.8 13.2
54 8.4 7.4 11.0
68 4.4 4.4 6.6



#23
Nitrobenzene-d5
Concen: 80.578 ng
RT: 7.393 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

Tgt Ion: 82 Resp: 395513
Ion Ratio Lower Upper
82 100
128 39.3 34.2 51.2
54 62.0 46.5 69.7

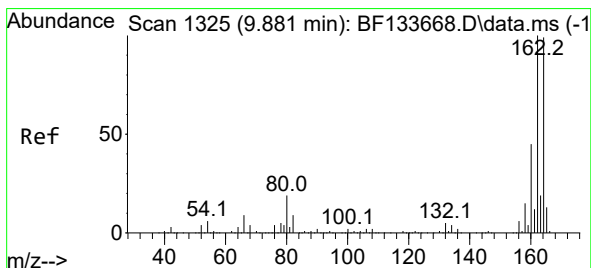
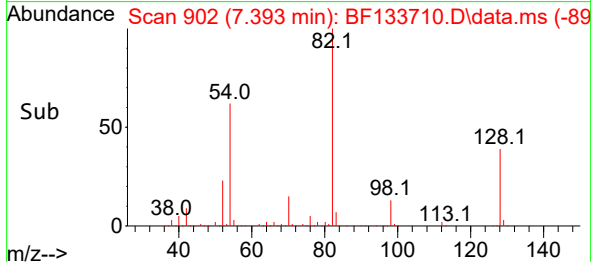
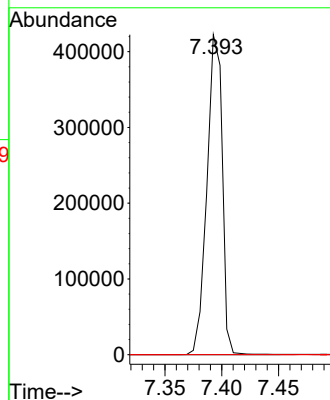
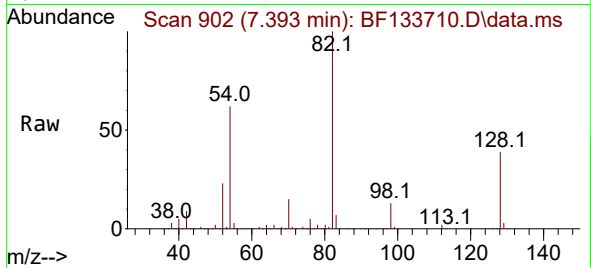




#25
Isophorone
Concen: 43.890 ng
RT: 7.393 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

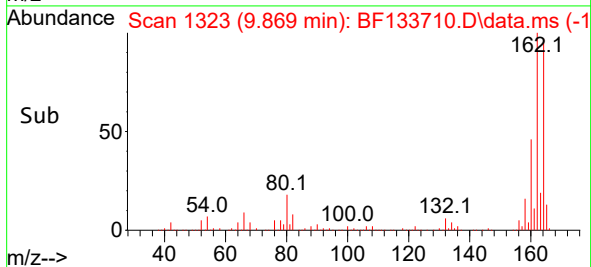
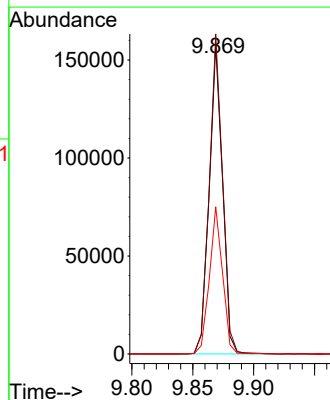
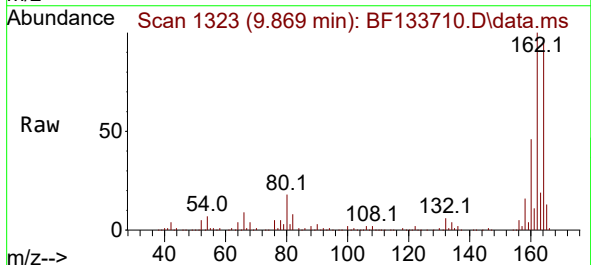
Instrument :
BNA_F
ClientSampleId :
SB-08-5.0-7.0

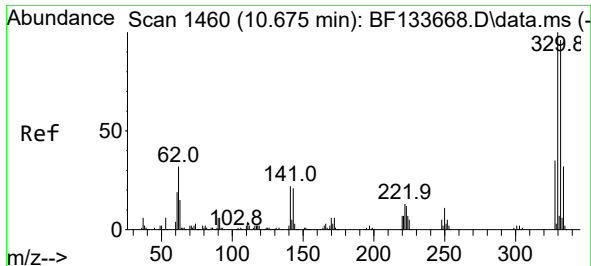
Tgt Ion: 82 Resp: 395508
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

Tgt Ion:164 Resp: 119928
Ion Ratio Lower Upper
164 100
162 103.6 80.8 121.2
160 47.7 36.7 55.1

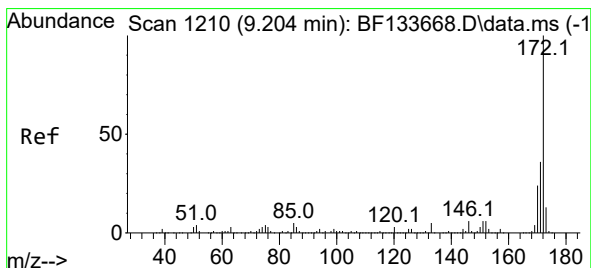
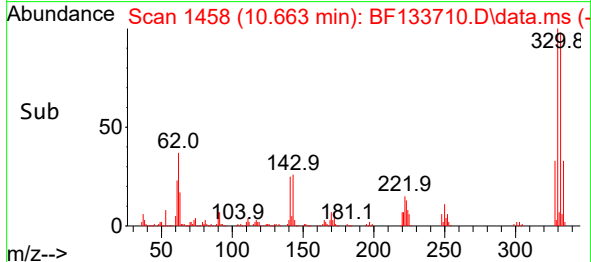
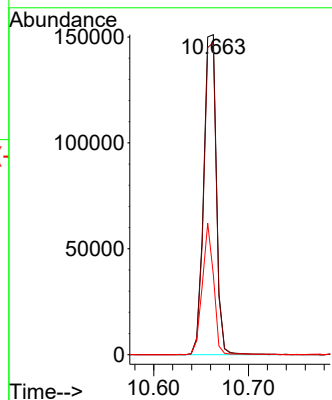
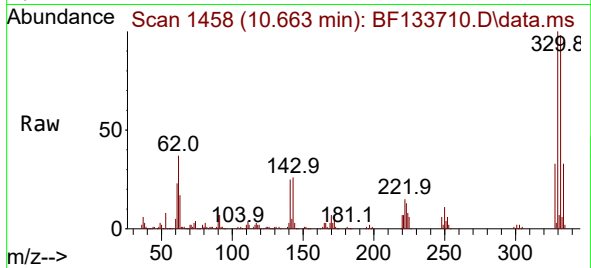




#42
2,4,6-Tribromophenol
Concen: 92.718 ng
RT: 10.663 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

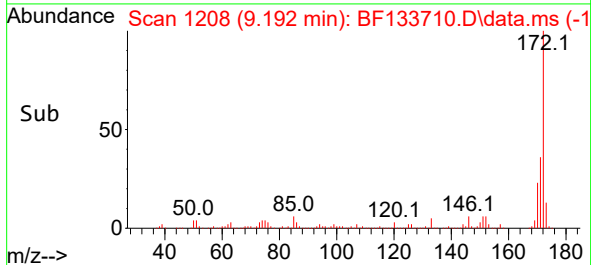
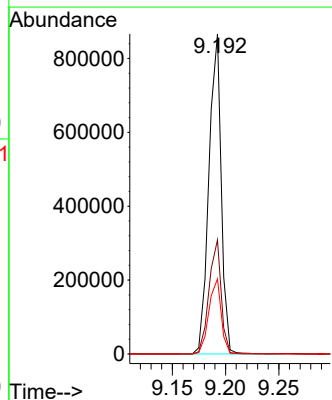
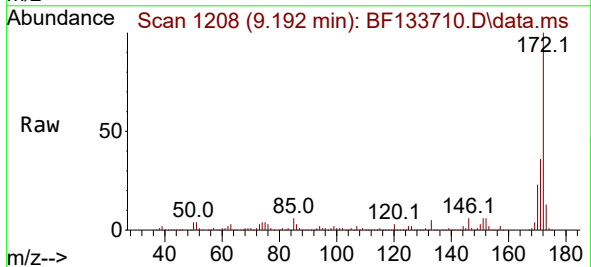
Instrument :
BNA_F
ClientSampleId :
SB-08-5.0-7.0

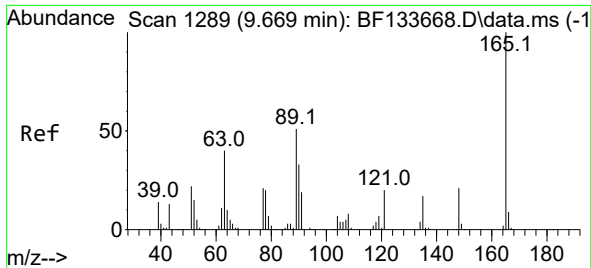
Tgt Ion:330 Resp: 140753
Ion Ratio Lower Upper
330 100
332 96.4 77.2 115.8
141 36.7 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 82.898 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

Tgt Ion:172 Resp: 699377
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.4 19.1 28.7

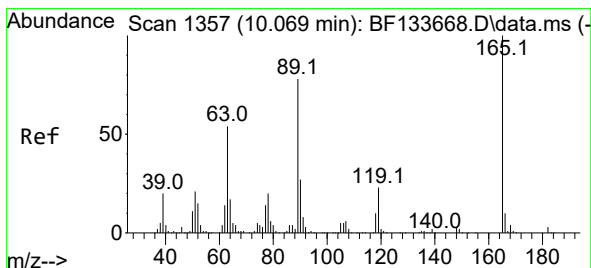
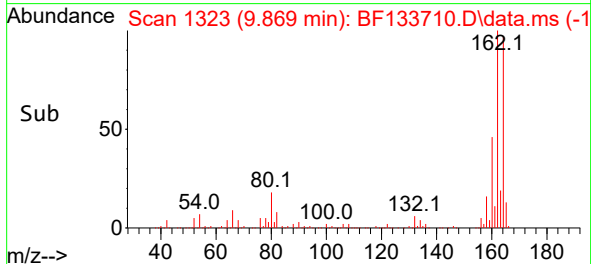
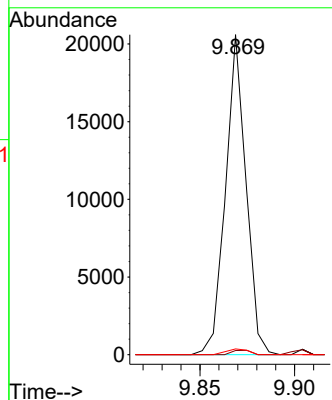
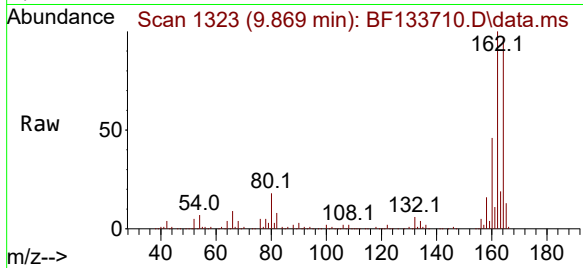




#51
2,6-Dinitrotoluene
Concen: 8.377 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

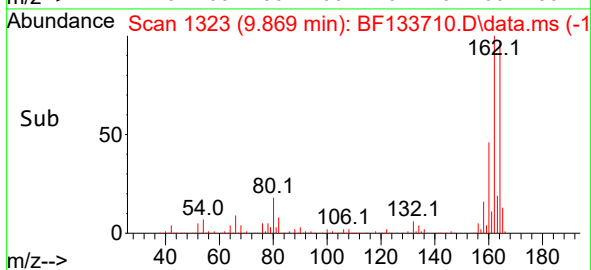
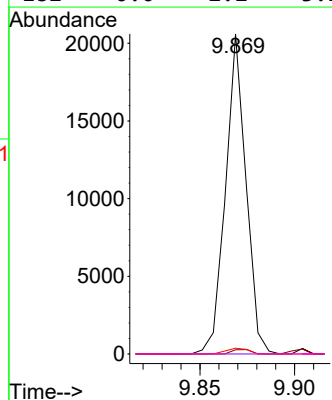
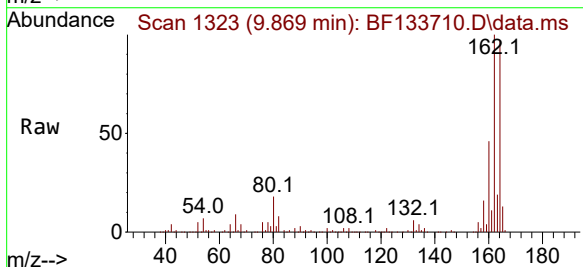
Instrument :
BNA_F
ClientSampleId :
SB-08-5.0-7.0

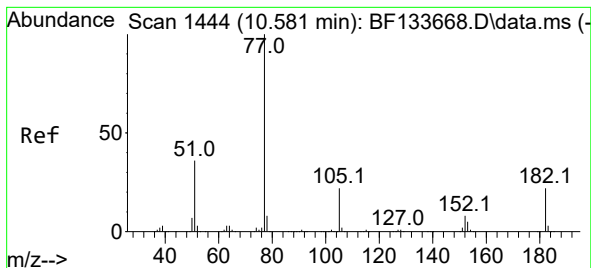
Tgt Ion:165 Resp: 15478
Ion Ratio Lower Upper
165 100
63 1.3 42.1 63.1#
89 1.8 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.587 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.200 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

Tgt Ion:165 Resp: 15478
Ion Ratio Lower Upper
165 100
63 1.3 43.0 64.6#
89 1.8 62.6 93.8#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.496 ng

RT: 10.581 min Scan# 1444

Delta R.T. 0.000 min

Lab File: BF133710.D

Acq: 12 Jun 2023 18:30

Instrument :

BNA_F

ClientSampleId :

SB-08-5.0-7.0

Tgt Ion: 77 Resp: 21524

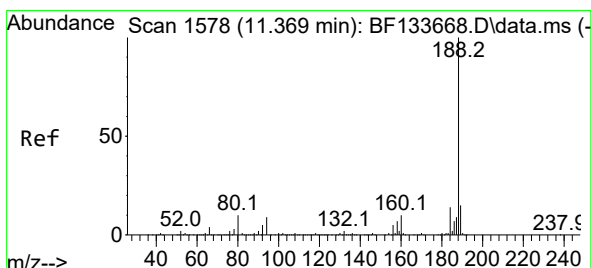
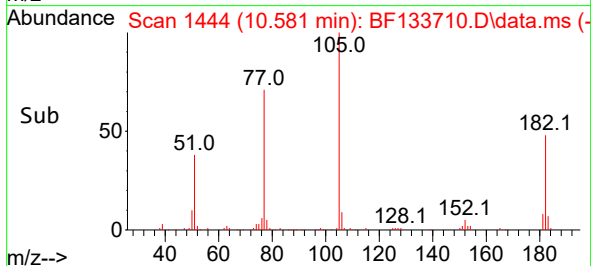
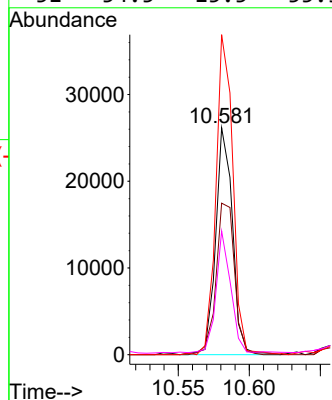
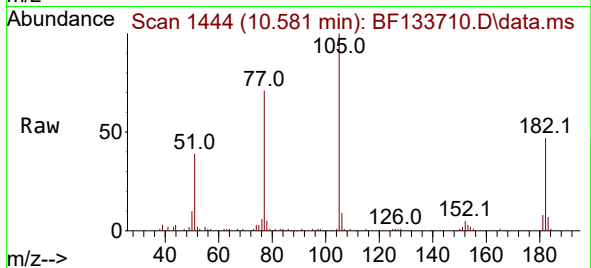
Ion Ratio Lower Upper

77 100

182 66.8 1.6 41.6#

105 141.0 1.6 41.6#

51 54.5 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: BF133710.D

Acq: 12 Jun 2023 18:30

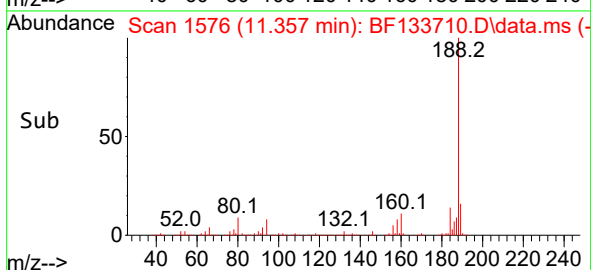
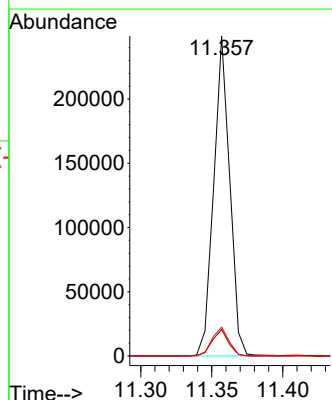
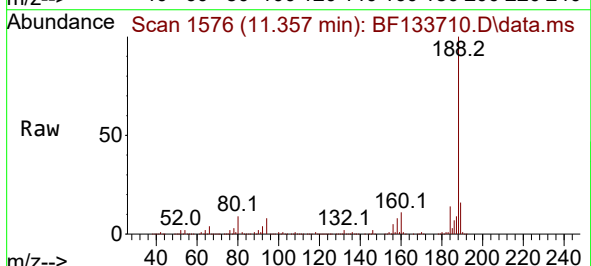
Tgt Ion: 188 Resp: 194867

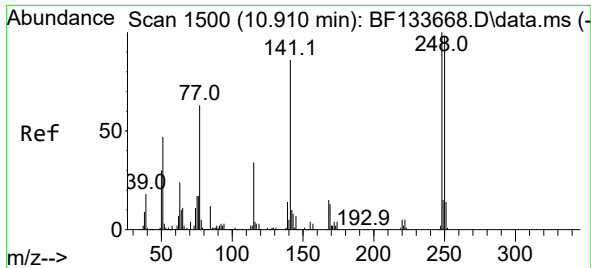
Ion Ratio Lower Upper

188 100

94 8.3 6.8 10.2

80 9.0 7.8 11.6

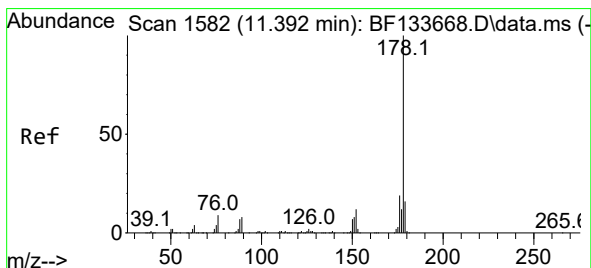
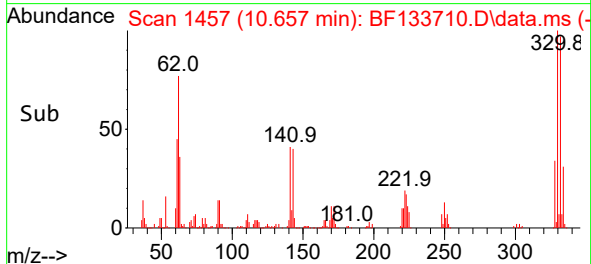
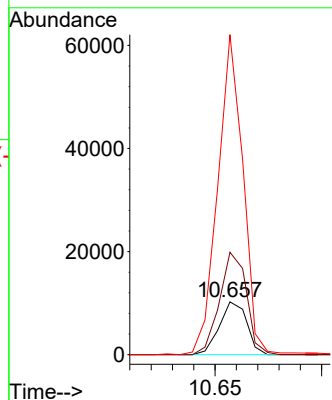
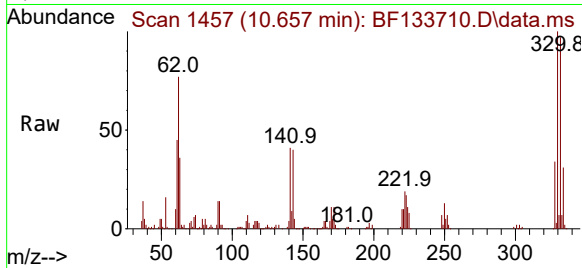




#67
4-Bromophenyl-phenylether
Concen: 4.206 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

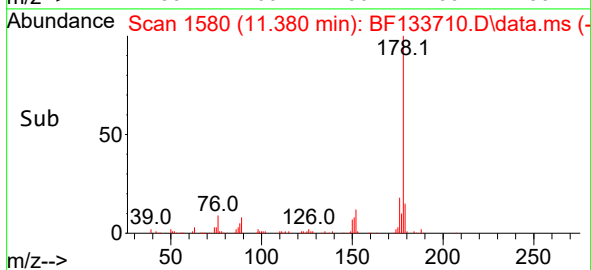
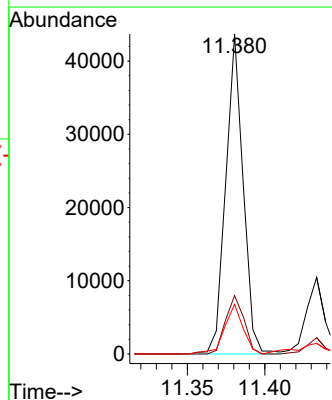
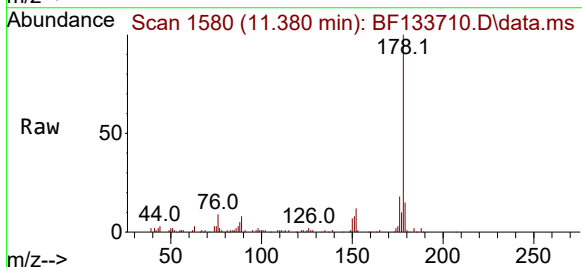
Instrument :
BNA_F
ClientSampleId :
SB-08-5.0-7.0

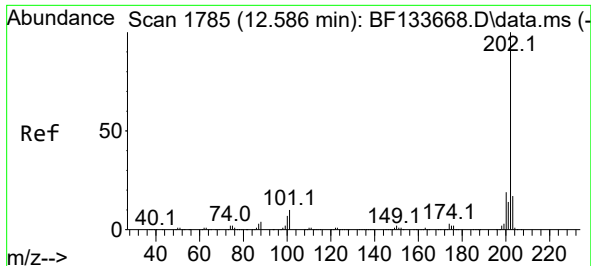
Tgt Ion:248 Resp: 9147
Ion Ratio Lower Upper
248 100
250 193.8 78.3 117.5#
141 605.1 69.0 103.6#



#71
Phenanthrene
Concen: 3.458 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

Tgt Ion:178 Resp: 34191
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 15.5 12.4 18.6

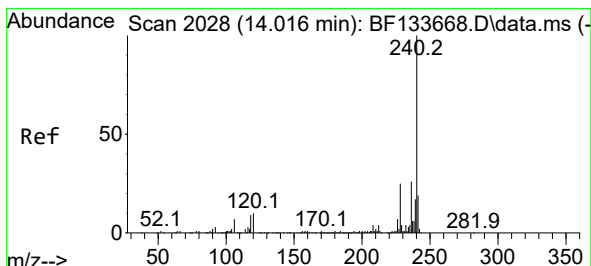
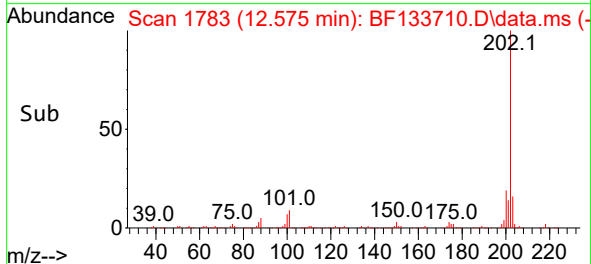
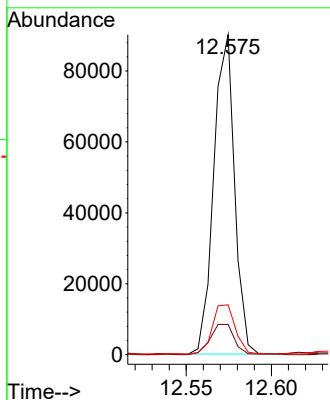
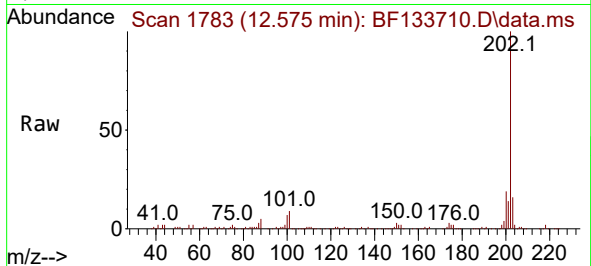




#75
Fluoranthene
Concen: 7.266 ng
RT: 12.575 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

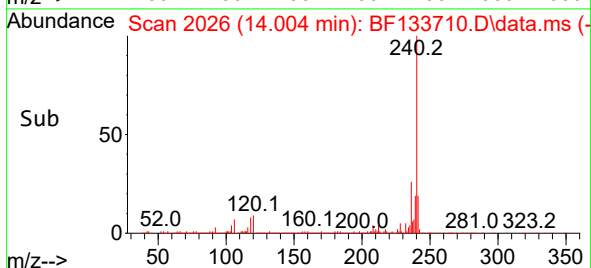
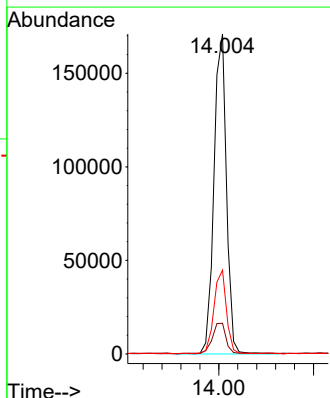
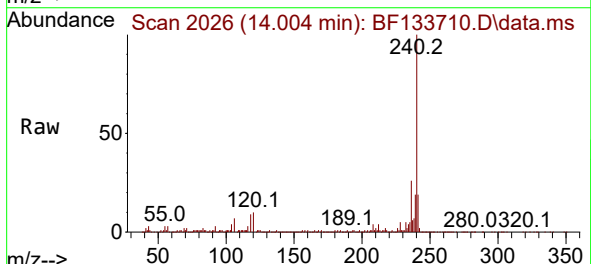
Instrument :
BNA_F
ClientSampleId :
SB-08-5.0-7.0

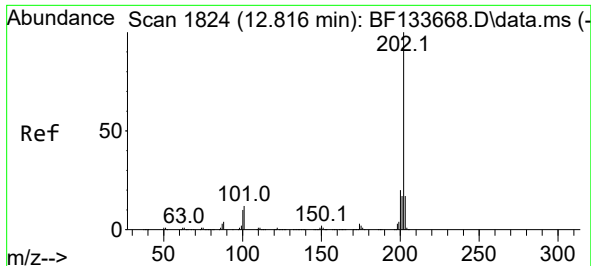
Tgt Ion:202 Resp: 76281
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.6
203 15.6 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

Tgt Ion:240 Resp: 155940
Ion Ratio Lower Upper
240 100
120 9.6 8.1 12.1
236 26.2 20.5 30.7

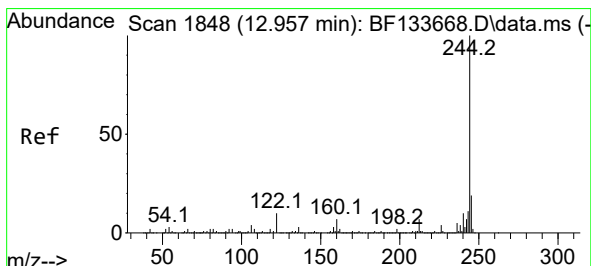
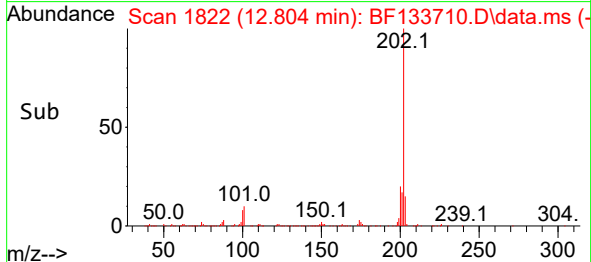
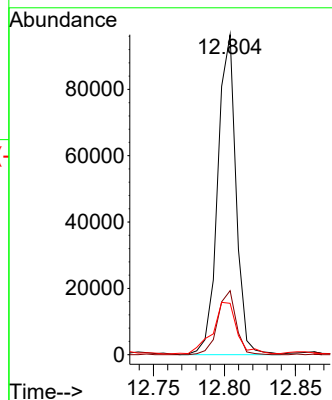
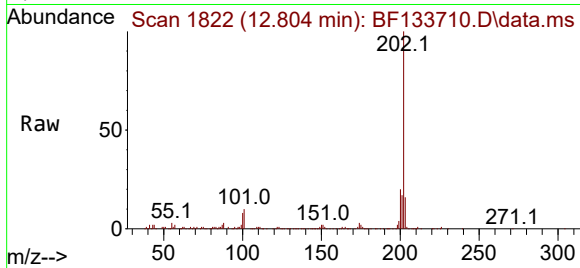




#78
Pyrene
Concen: 5.949 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.006 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

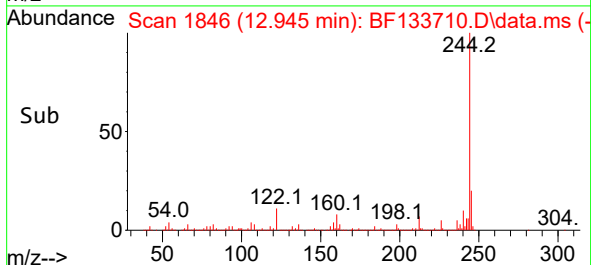
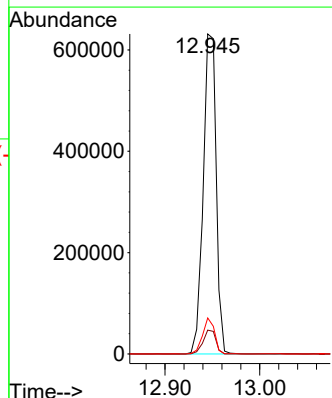
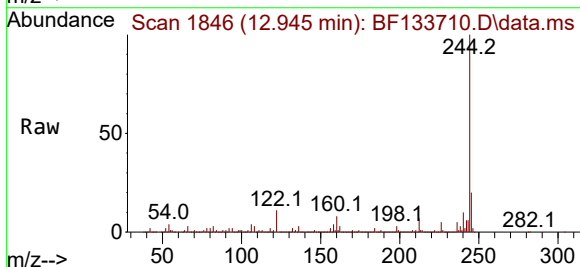
Instrument :
BNA_F
ClientSampleId :
SB-08-5.0-7.0

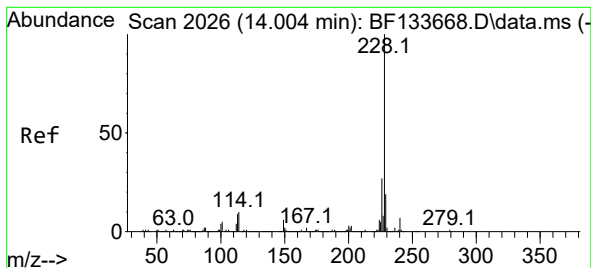
Tgt Ion:202 Resp: 86422
Ion Ratio Lower Upper
202 100
200 20.0 16.2 24.2
203 16.0 13.9 20.9



#79
Terphenyl-d14
Concen: 59.835 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.012 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

Tgt Ion:244 Resp: 603007
Ion Ratio Lower Upper
244 100
212 7.5 5.4 8.2
122 11.3 8.1 12.1





#81

Benzo(a)anthracene

Concen: 4.600 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133710.D

Acq: 12 Jun 2023 18:30

Instrument :

BNA_F

ClientSampleId :

SB-08-5.0-7.0

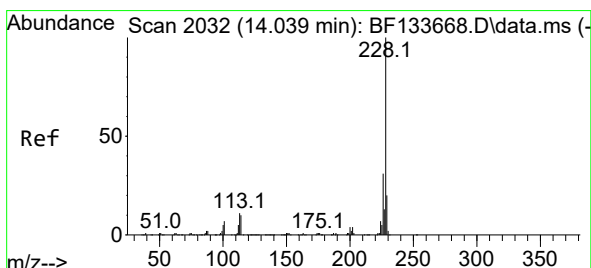
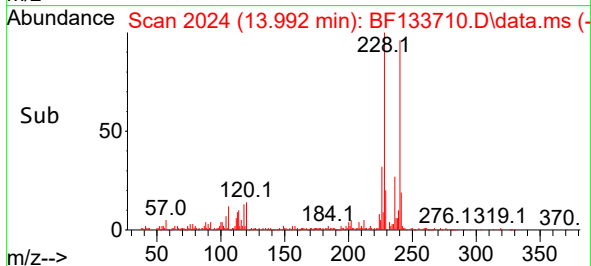
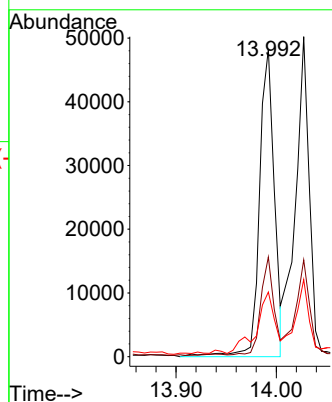
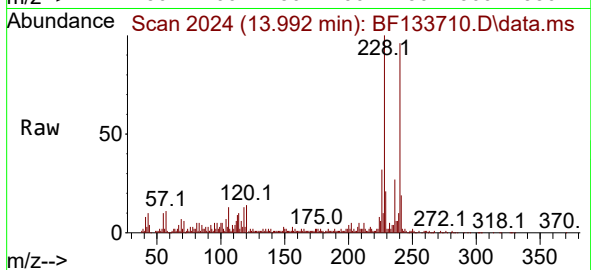
Tgt Ion:228 Resp: 49617

Ion Ratio Lower Upper

228 100

226 32.4 21.7 32.5

229 21.0 15.4 23.2



#83

Chrysene

Concen: 4.863 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.047 min

Lab File: BF133710.D

Acq: 12 Jun 2023 18:30

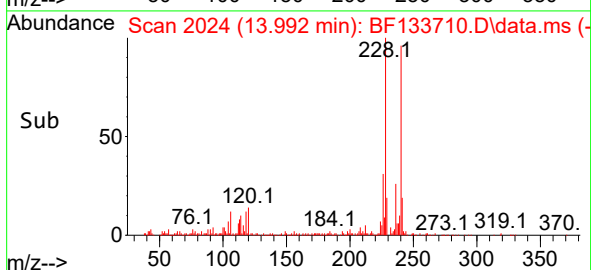
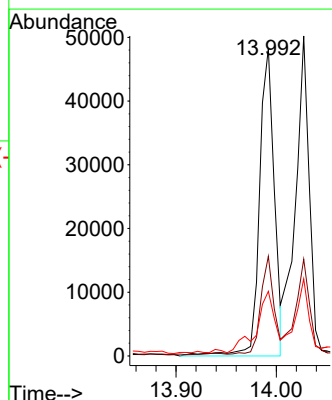
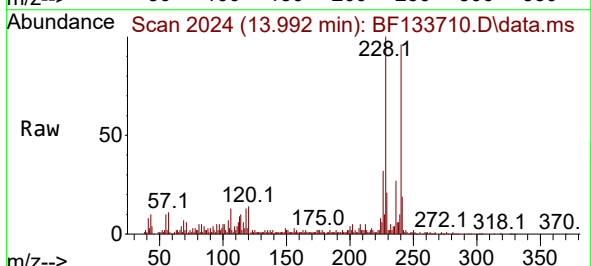
Tgt Ion:228 Resp: 49617

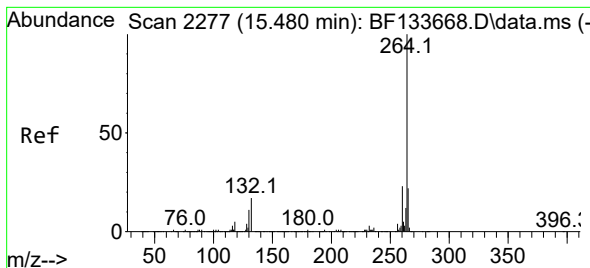
Ion Ratio Lower Upper

228 100

226 32.4 25.0 37.6

229 21.0 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133710.D

Acq: 12 Jun 2023 18:30

Instrument :

BNA_F

ClientSampleId :

SB-08-5.0-7.0

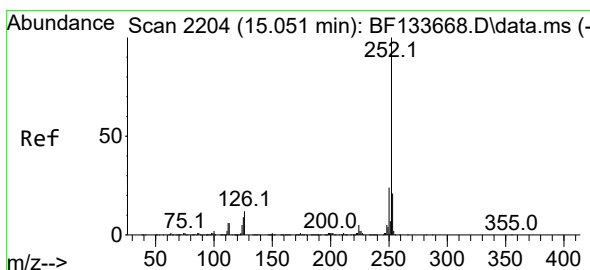
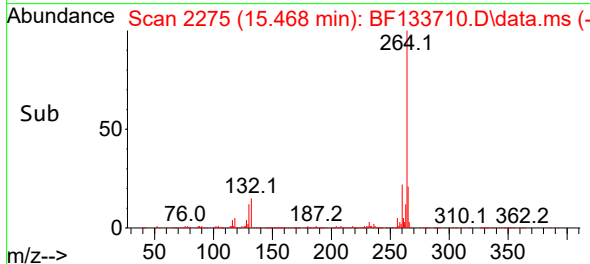
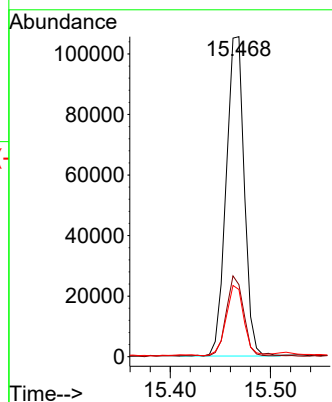
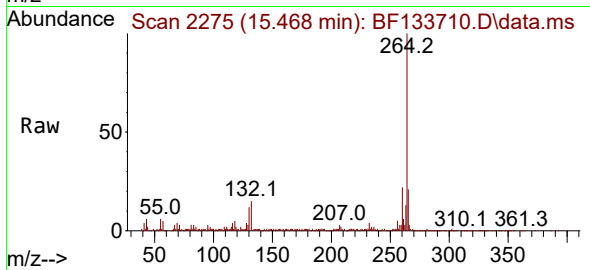
Tgt Ion:264 Resp: 132293

Ion Ratio Lower Upper

264 100

260 22.5 18.2 27.2

265 21.0 17.8 26.6



#88

Benzo(b)fluoranthene

Concen: 7.854 ng

RT: 15.039 min Scan# 2202

Delta R.T. -0.012 min

Lab File: BF133710.D

Acq: 12 Jun 2023 18:30

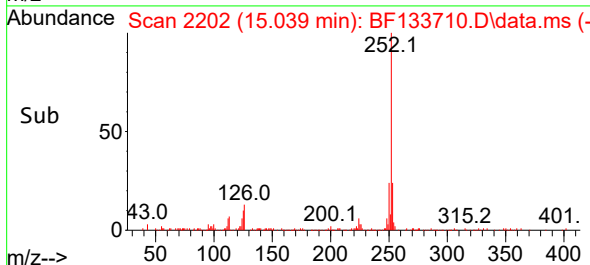
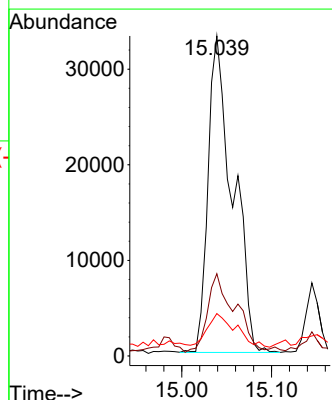
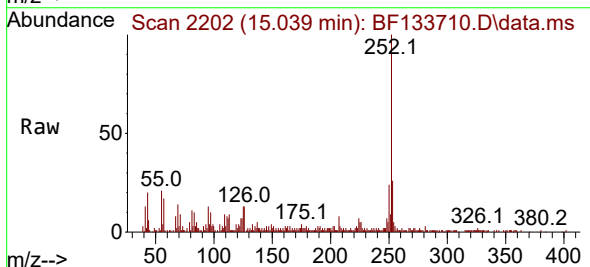
Tgt Ion:252 Resp: 63120

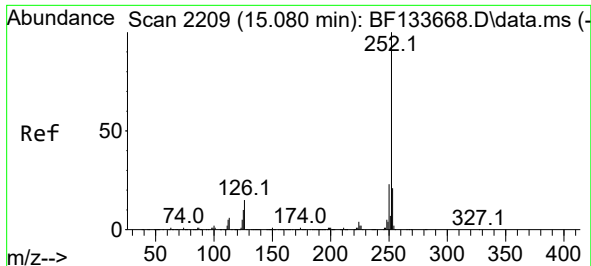
Ion Ratio Lower Upper

252 100

253 25.7 17.0 25.6#

125 13.2 7.3 10.9#

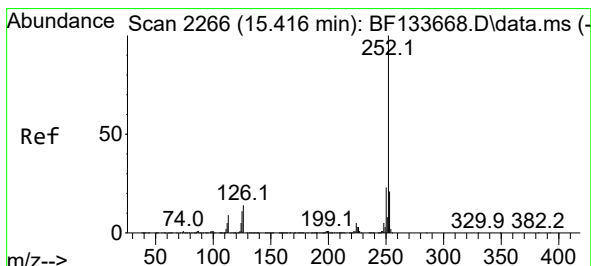
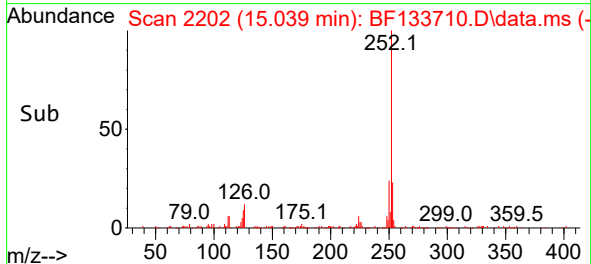
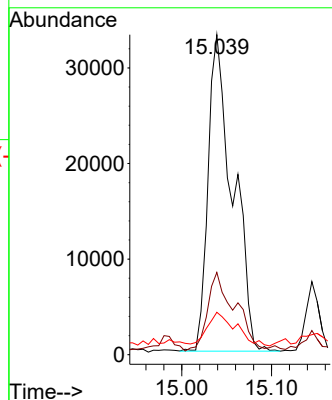
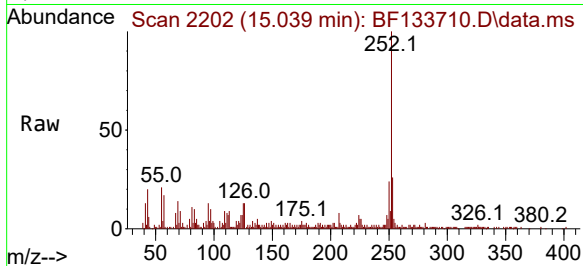




#89
Benzo(k)fluoranthene
Concen: 8.063 ng
RT: 15.039 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

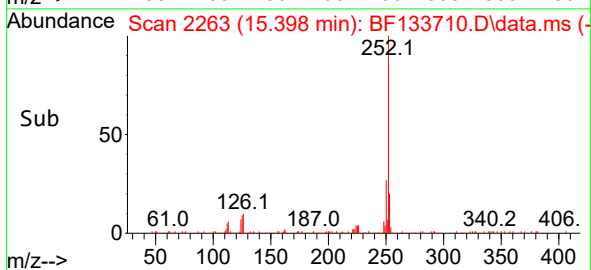
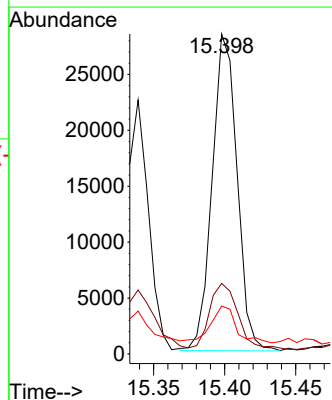
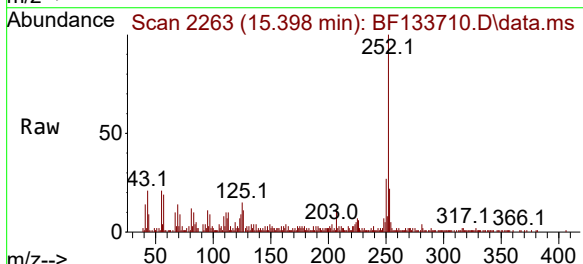
Instrument :
BNA_F
ClientSampleId :
SB-08-5.0-7.0

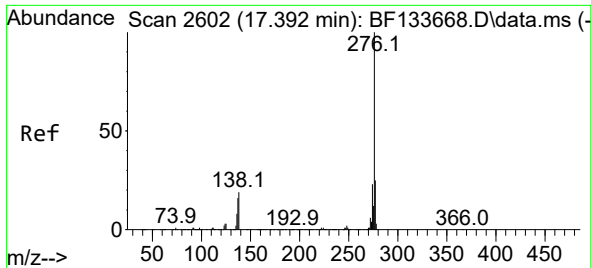
Tgt Ion:252 Resp: 63120
Ion Ratio Lower Upper
252 100
253 25.7 17.0 25.4#
125 13.2 7.8 11.6#



#90
Benzo(a)pyrene
Concen: 4.632 ng
RT: 15.398 min Scan# 2263
Delta R.T. -0.018 min
Lab File: BF133710.D
Acq: 12 Jun 2023 18:30

Tgt Ion:252 Resp: 34549
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 15.0 8.6 13.0#





#92

Benzo(g,h,i)perylene

Concen: 2.611 ng

RT: 17.357 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF133710.D

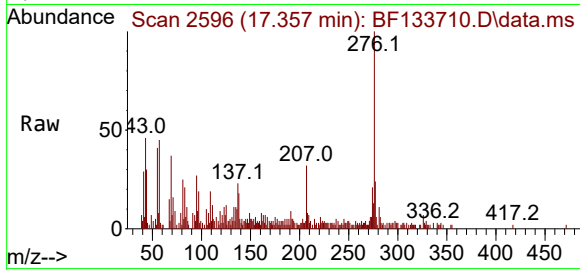
Acq: 12 Jun 2023 18:30

Instrument :

BNA_F

ClientSampleId :

SB-08-5.0-7.0



Tgt Ion:276 Resp: 19508

Ion Ratio Lower Upper

276 100

277 24.5 19.8 29.8

138 18.2 15.0 22.4

