

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134002.D
 Acq On : 27 Jun 2023 21:16
 Operator : CG\JU
 Sample : 03338-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-062223

Quant Time: Jun 28 01:31:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

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

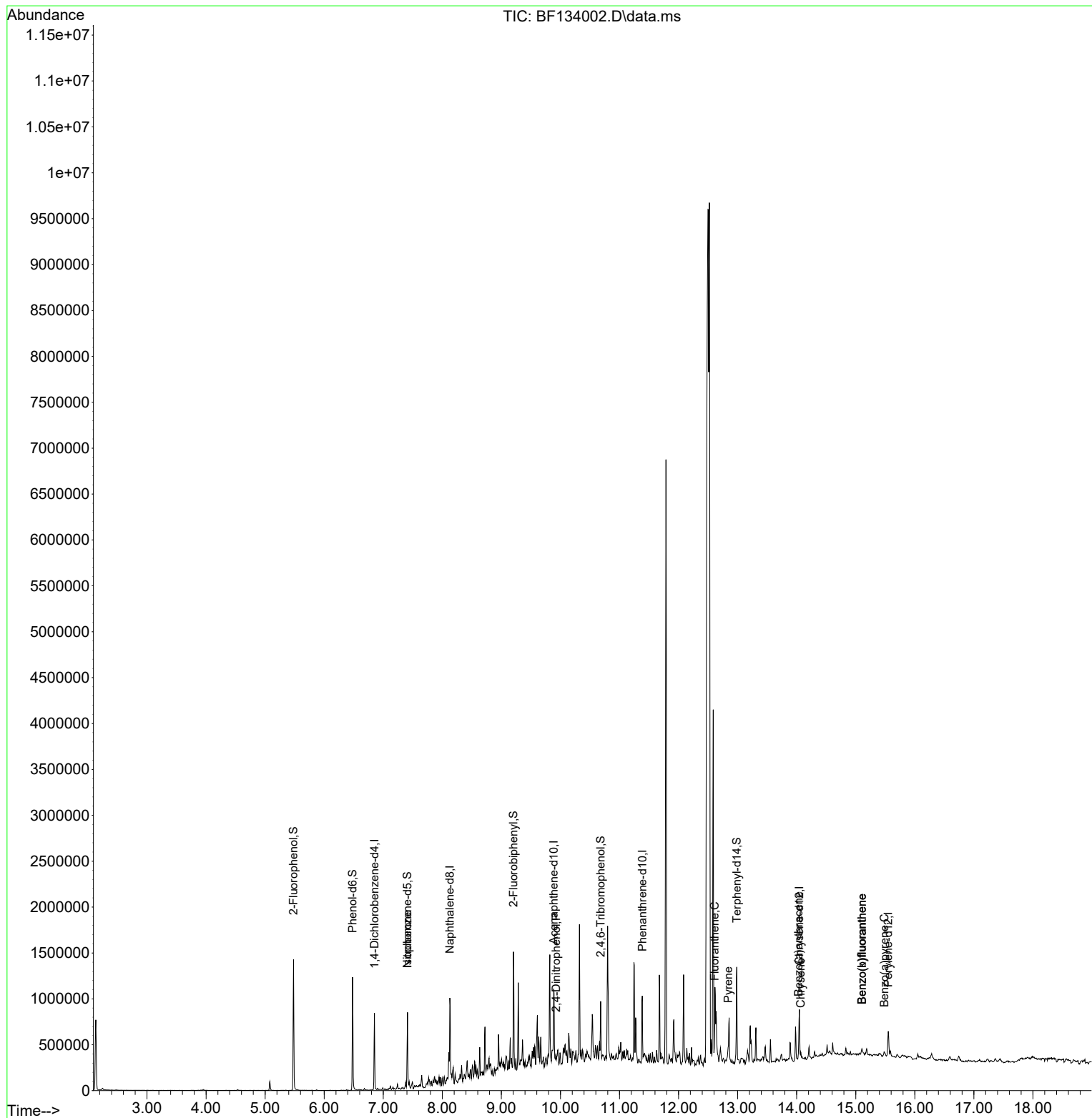
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	111596	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	386841	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	151359	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	262390	20.000	ng	0.00
76) Chrysene-d12	14.045	240	174648	20.000	ng	0.00
86) Perylene-d12	15.551	264	137149	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	347292	52.057	ng	0.00
7) Phenol-d6	6.481	99	342719	41.772	ng	-0.01
23) Nitrobenzene-d5	7.410	82	218072	30.388	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	72908	38.418	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	375484	36.067	ng	0.00
79) Terphenyl-d14	12.986	244	341069	31.430	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	250	Below Cal	#	1
25) Isophorone	7.410	82	218072	16.720	ng	# 64
54) 2,4-Dinitrophenol	9.928	184	54	3.901	ng	# 1
75) Fluoranthene	12.610	202	62067	4.346	ng	98
78) Pyrene	12.839	202	67131	4.130	ng	99
81) Benzo(a)anthracene	14.033	228	31665	2.614	ng	# 86
83) Chrysene	14.068	228	28400	2.421	ng	# 90
88) Benzo(b)fluoranthene	15.104	252	41107	5.097	ng	# 78
89) Benzo(k)fluoranthene	15.104	252	41107	5.006	ng	# 77
90) Benzo(a)pyrene	15.486	252	21164	2.714	ng	# 78

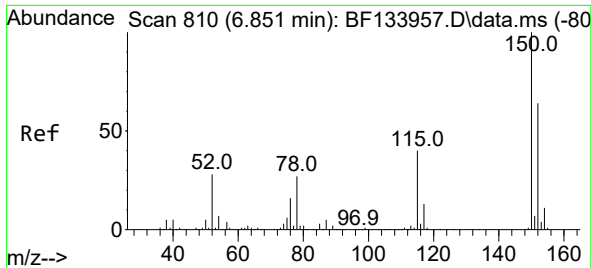
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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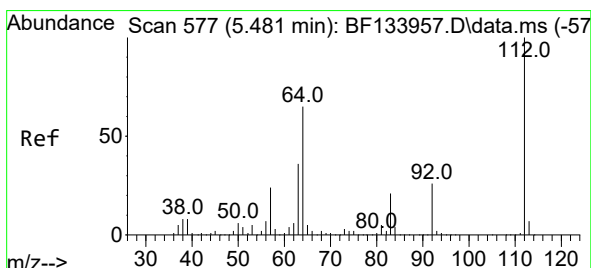
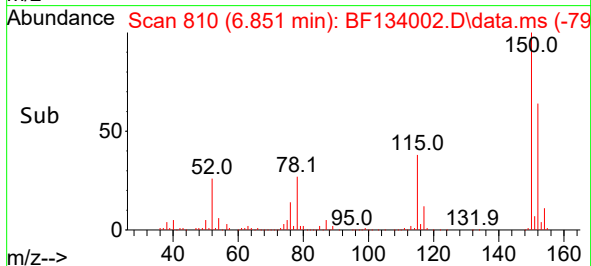
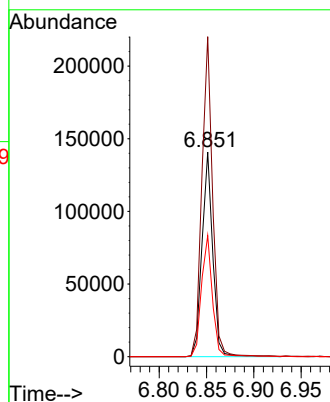
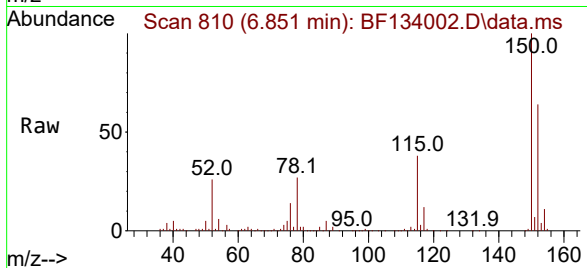




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134002.D
Acq: 27 Jun 2023 21:16

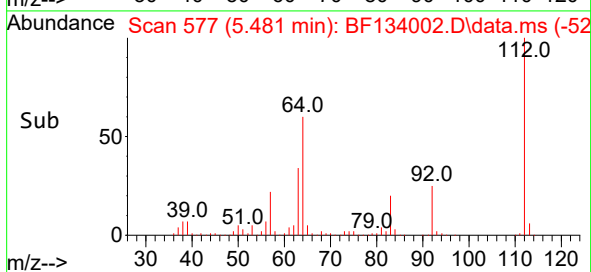
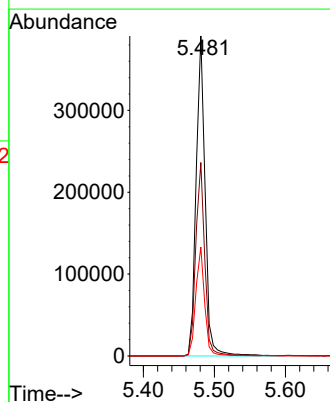
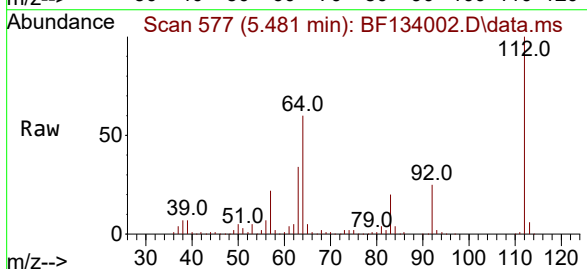
Instrument :
BNA_F
ClientSampleId :
TR-05-062223

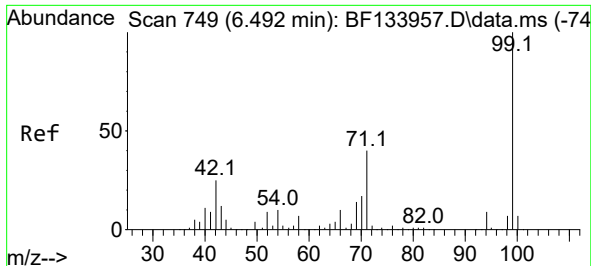
Tgt Ion:152 Resp: 111596
Ion Ratio Lower Upper
152 100
150 156.3 124.5 186.7
115 59.1 50.2 75.2



#5
2-Fluorophenol
Concen: 52.057 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF134002.D
Acq: 27 Jun 2023 21:16

Tgt Ion:112 Resp: 347292
Ion Ratio Lower Upper
112 100
64 60.5 52.1 78.1
63 34.0 28.6 42.8

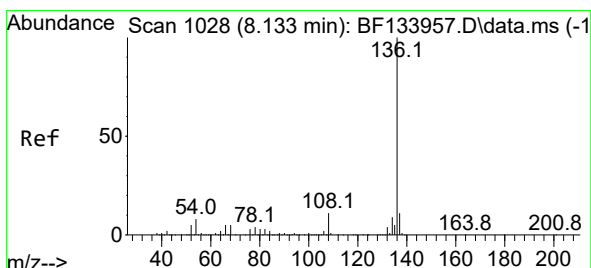
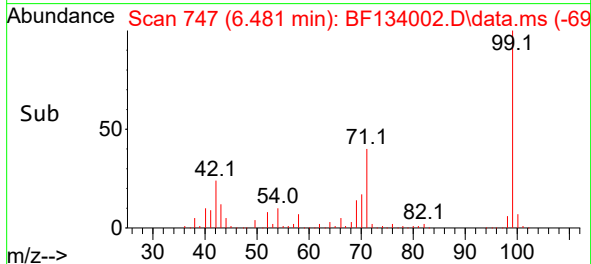
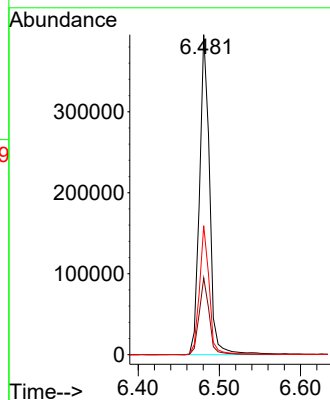
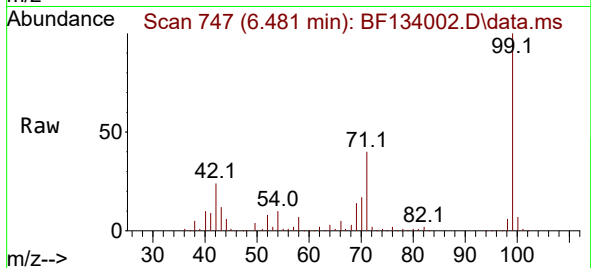




#7
Phenol-d6
Concen: 41.772 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134002.D
Acq: 27 Jun 2023 21:16

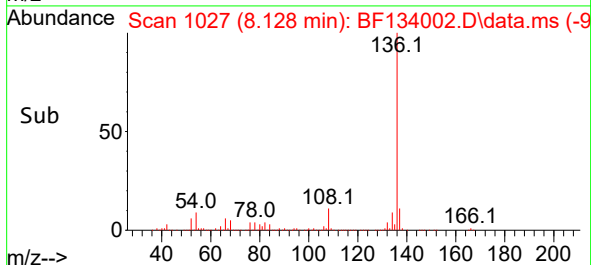
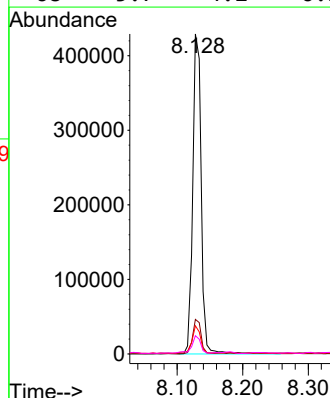
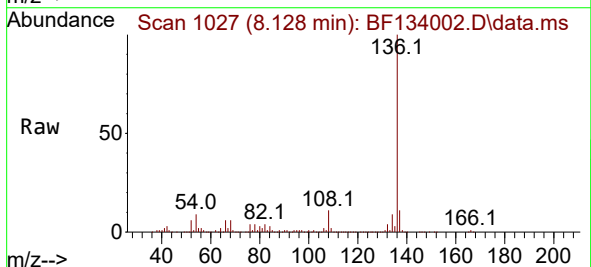
Instrument :
BNA_F
ClientSampleId :
TR-05-062223

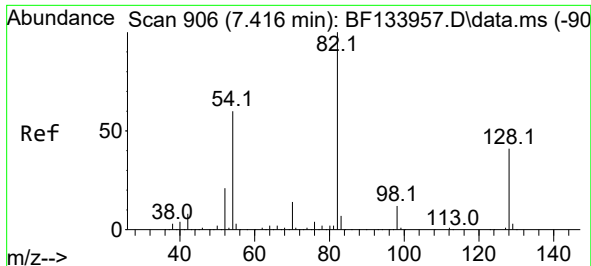
Tgt Ion: 99 Resp: 342719
Ion Ratio Lower Upper
99 100
42 24.0 19.8 29.6
71 40.3 31.9 47.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134002.D
Acq: 27 Jun 2023 21:16

Tgt Ion:136 Resp: 386841
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 8.8 6.5 9.7
68 5.7 4.2 6.2





#23

Nitrobenzene-d5

Concen: 30.388 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF134002.D

Acq: 27 Jun 2023 21:16

Instrument :

BNA_F

ClientSampleId :

TR-05-062223

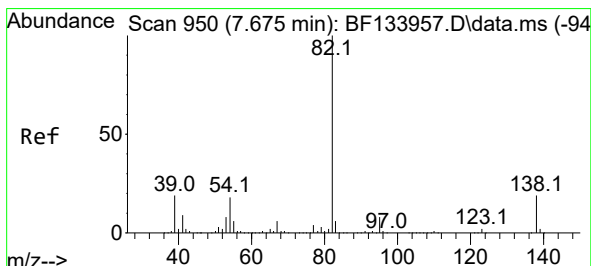
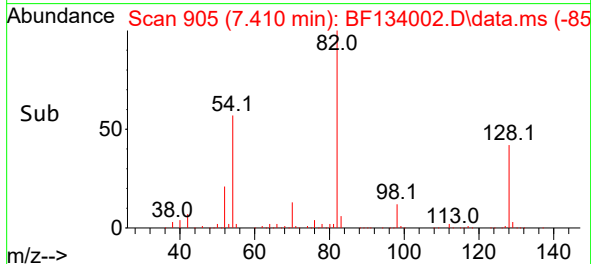
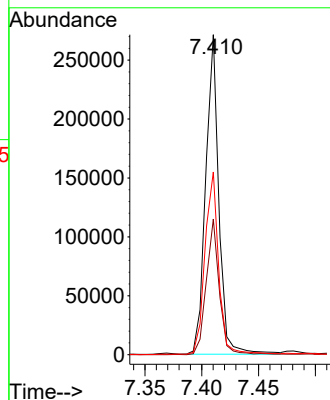
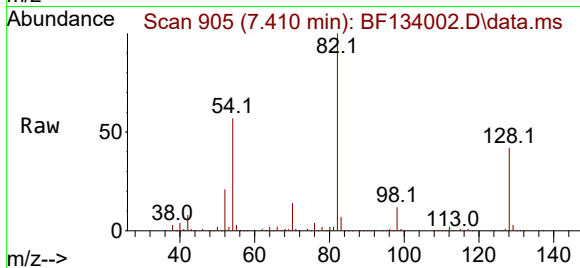
Tgt Ion: 82 Resp: 218072

Ion Ratio Lower Upper

82 100

128 42.4 32.5 48.7

54 57.1 48.2 72.2



#25

Isophorone

Concen: 16.720 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.264 min

Lab File: BF134002.D

Acq: 27 Jun 2023 21:16

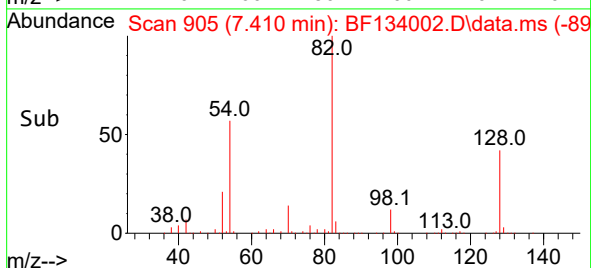
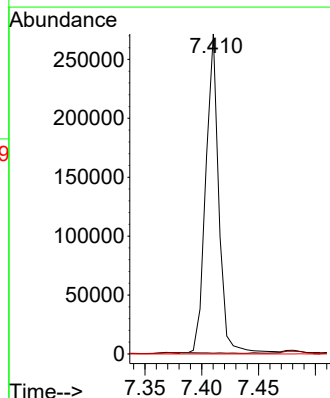
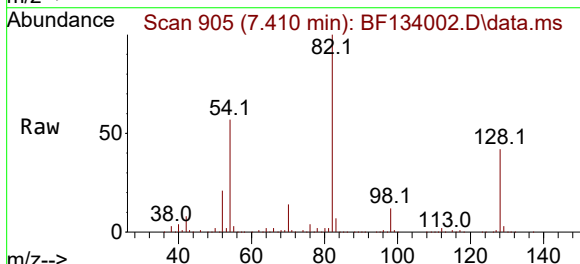
Tgt Ion: 82 Resp: 218072

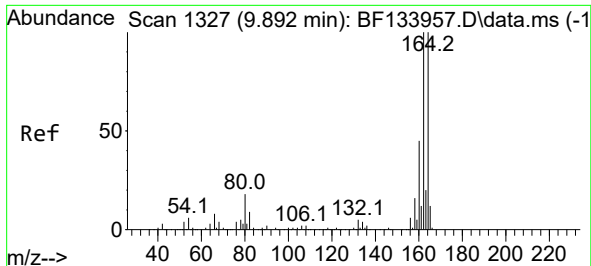
Ion Ratio Lower Upper

82 100

95 0.3 6.1 9.1#

138 0.0 15.2 22.8#

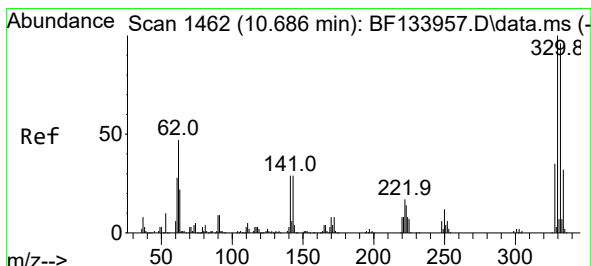
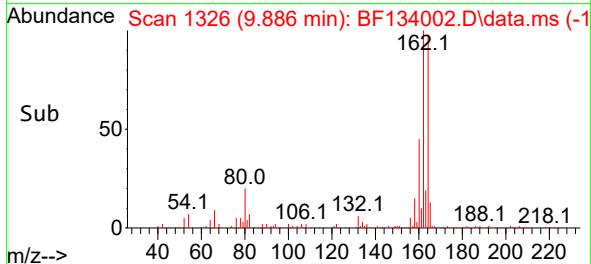
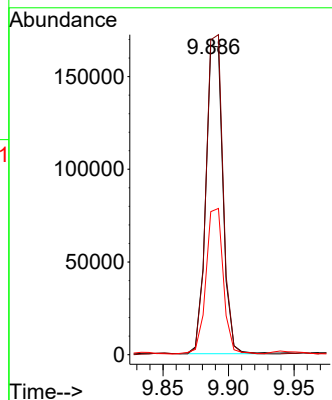
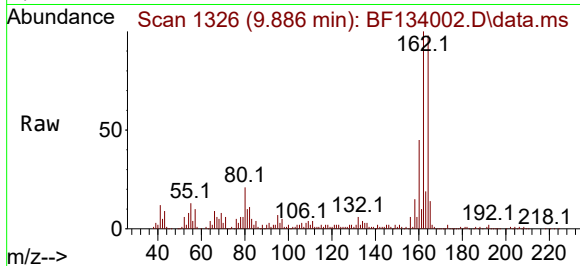




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF134002.D
Acq: 27 Jun 2023 21:16

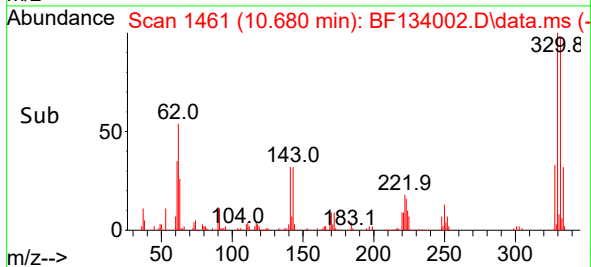
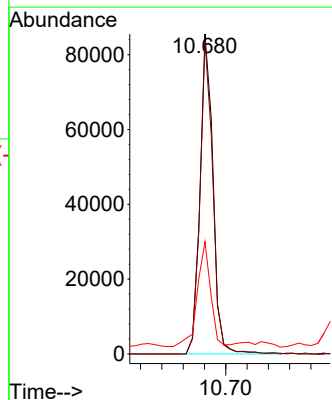
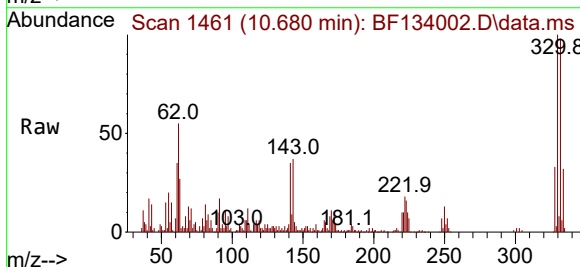
Instrument :
BNA_F
ClientSampleId :
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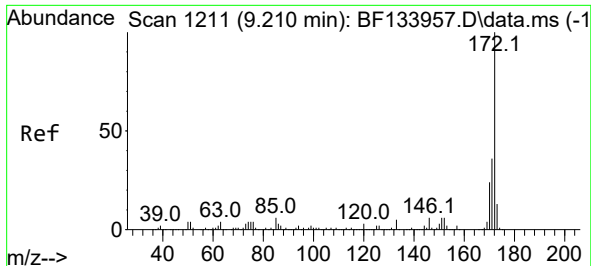
Tgt Ion:164 Resp: 151359
Ion Ratio Lower Upper
164 100
162 101.8 80.0 120.0
160 46.3 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 38.418 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF134002.D
Acq: 27 Jun 2023 21:16

Tgt Ion:330 Resp: 72908
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.6
141 33.4 26.3 39.5





#45

2-Fluorobiphenyl

Concen: 36.067 ng

RT: 9.204 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134002.D

Acq: 27 Jun 2023 21:16

Instrument :

BNA_F

ClientSampleId :

TR-05-062223

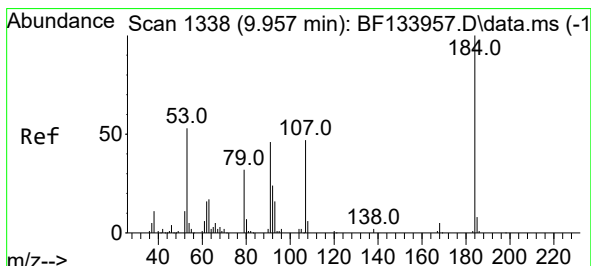
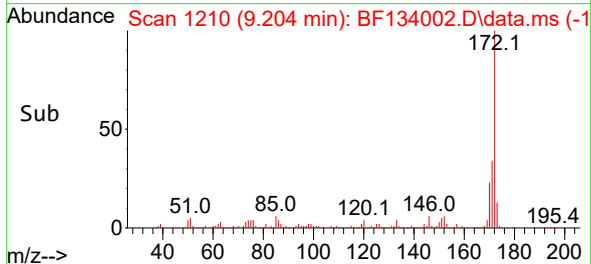
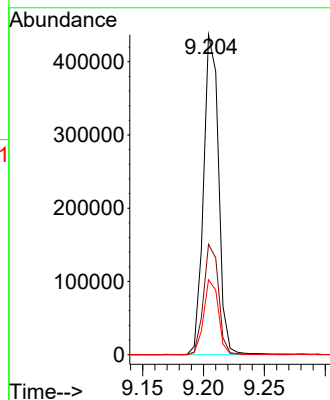
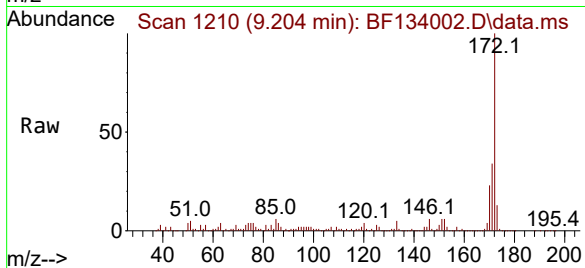
Tgt Ion:172 Resp: 375484

Ion Ratio Lower Upper

172 100

171 34.5 28.6 43.0

170 23.4 19.4 29.0



#54

2,4-Dinitrophenol

Concen: 3.901 ng

RT: 9.928 min Scan# 1333

Delta R.T. -0.029 min

Lab File: BF134002.D

Acq: 27 Jun 2023 21:16

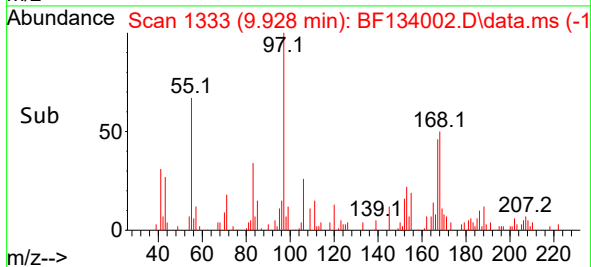
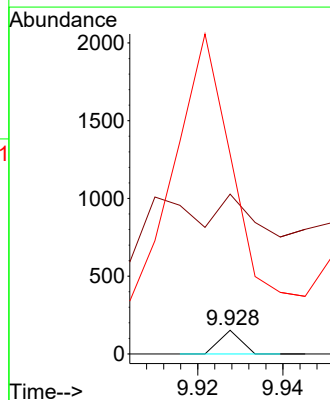
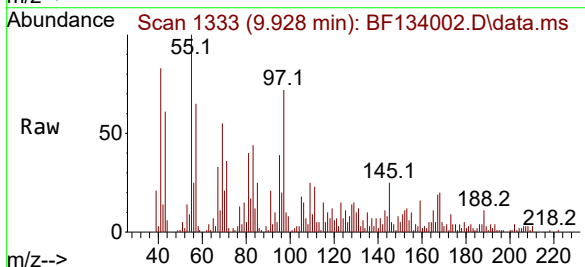
Tgt Ion:184 Resp: 54

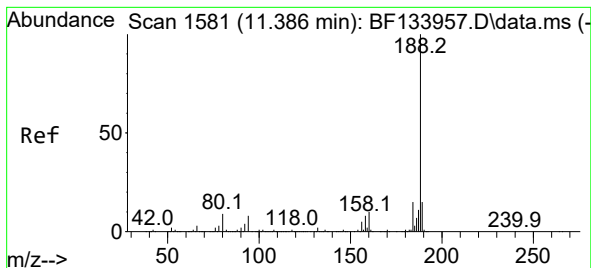
Ion Ratio Lower Upper

184 100

63 676.3 56.9 85.3#

154 845.4 55.4 83.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134002.D

Acq: 27 Jun 2023 21:16

Instrument :

BNA_F

ClientSampleId :

TR-05-062223

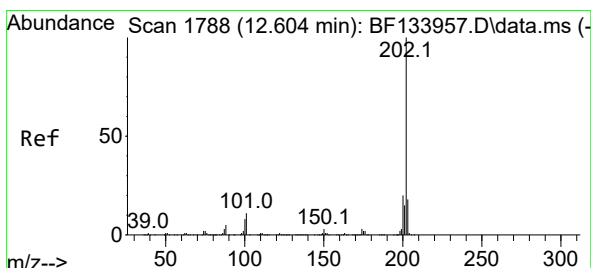
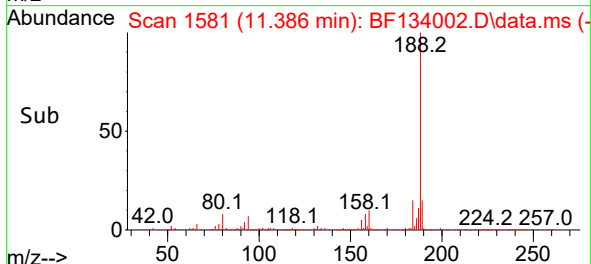
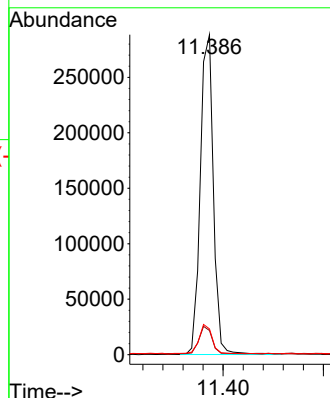
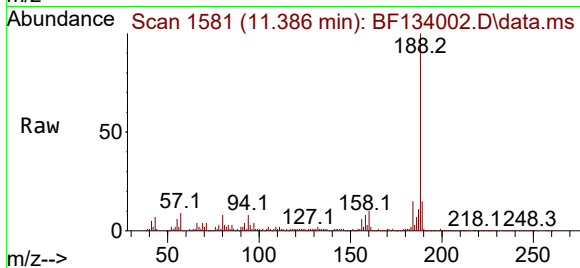
Tgt Ion:188 Resp: 262390

Ion Ratio Lower Upper

188 100

94 7.6 6.4 9.6

80 8.1 7.3 10.9



#75

Fluoranthene

Concen: 4.346 ng

RT: 12.610 min Scan# 1789

Delta R.T. 0.006 min

Lab File: BF134002.D

Acq: 27 Jun 2023 21:16

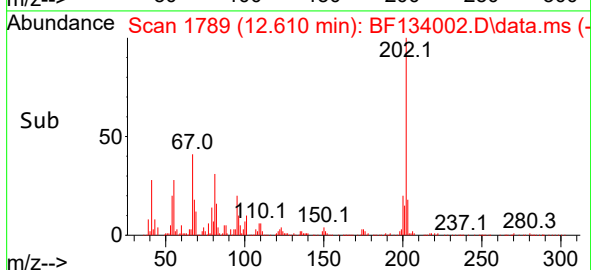
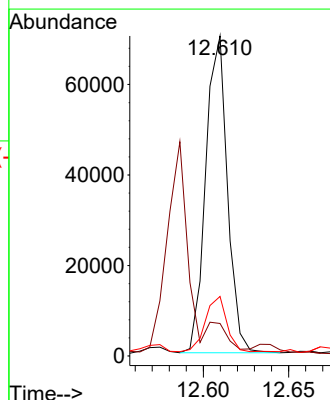
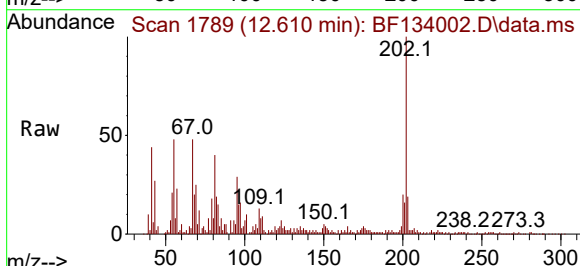
Tgt Ion:202 Resp: 62067

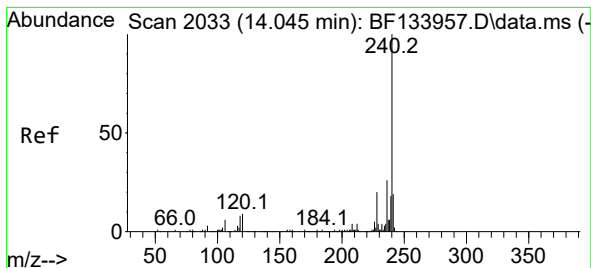
Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.0

203 18.6 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF134002.D

Acq: 27 Jun 2023 21:16

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TR-05-062223

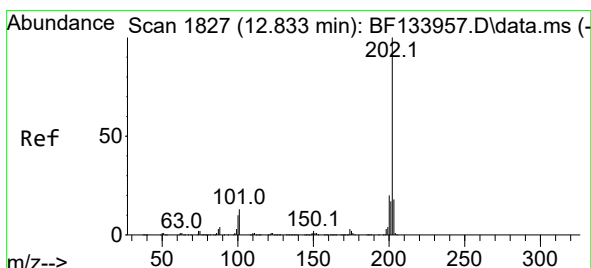
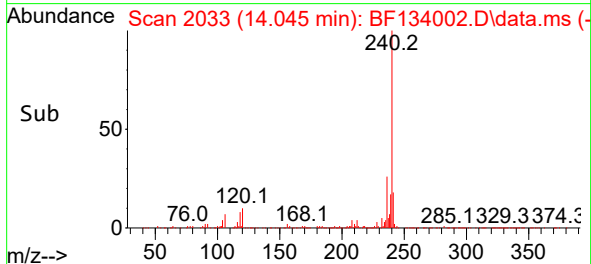
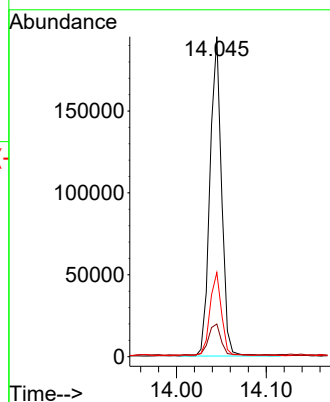
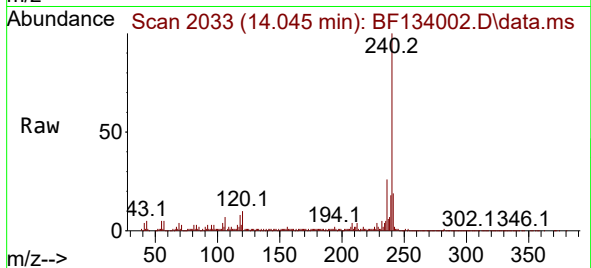
Tgt Ion:240 Resp: 174648

Ion Ratio Lower Upper

240 100

120 10.2 7.4 11.0

236 26.3 21.0 31.6



#78

Pyrene

Concen: 4.130 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.006 min

Lab File: BF134002.D

Acq: 27 Jun 2023 21:16

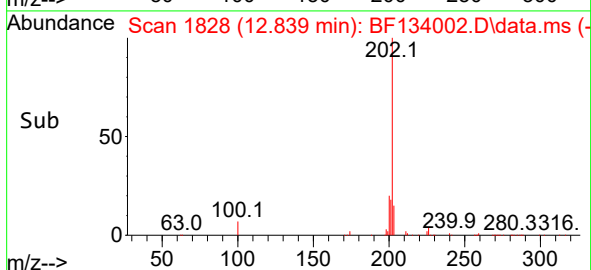
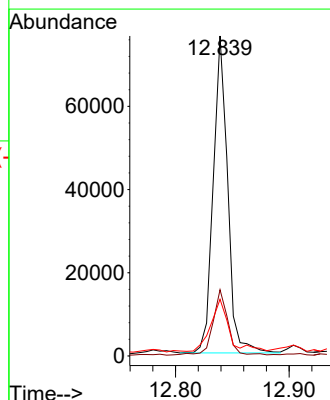
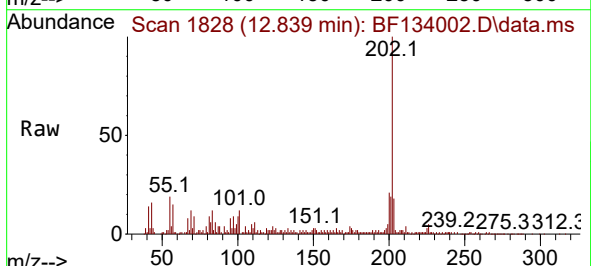
Tgt Ion:202 Resp: 67131

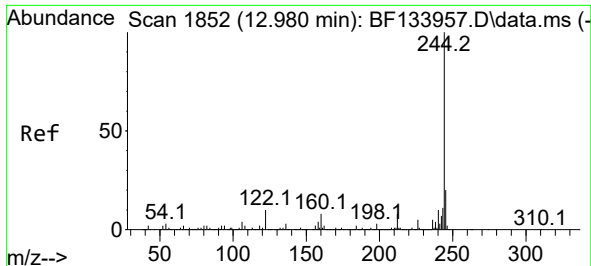
Ion Ratio Lower Upper

202 100

200 20.7 16.1 24.1

203 17.7 14.3 21.5

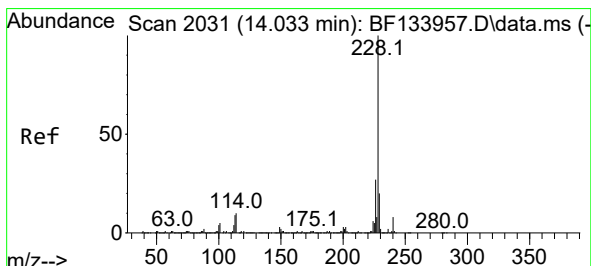
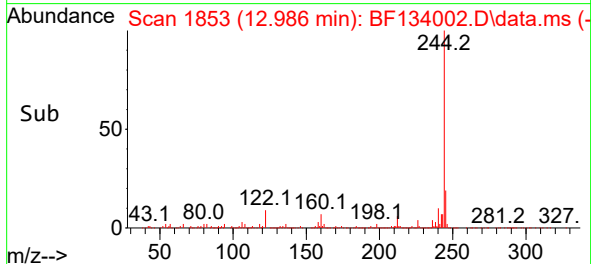
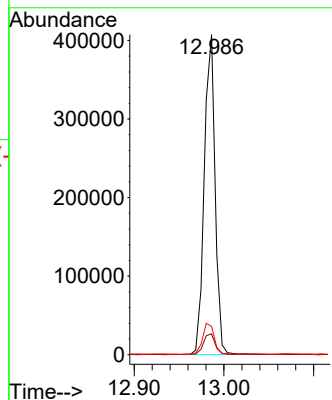
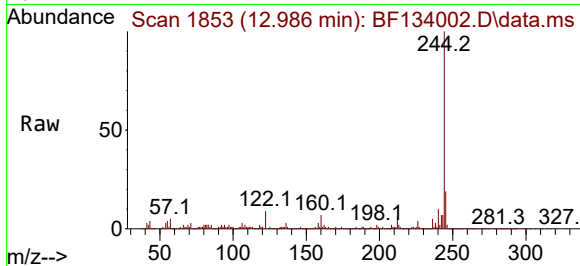




#79
 Terphenyl-d14
 Concen: 31.430 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: BF134002.D
 Acq: 27 Jun 2023 21:16

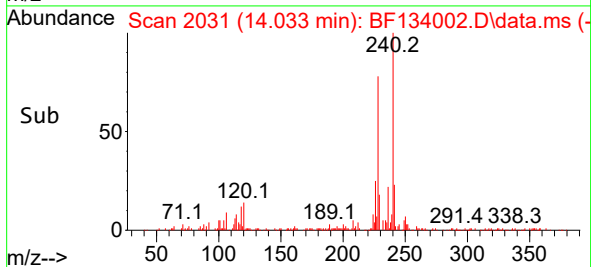
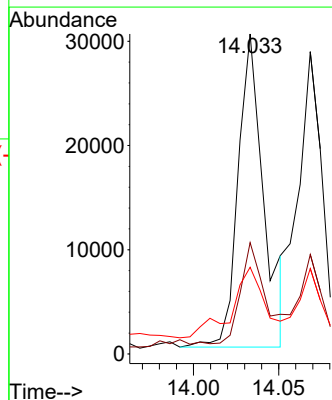
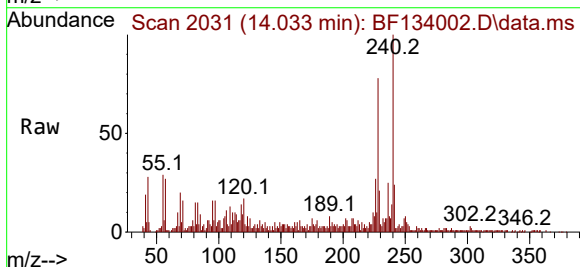
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-062223

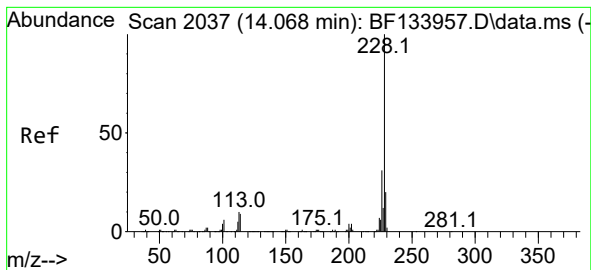
Tgt Ion:244 Resp: 341069
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.0 9.0
 122 8.9 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 2.614 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. 0.000 min
 Lab File: BF134002.D
 Acq: 27 Jun 2023 21:16

Tgt Ion:228 Resp: 31665
 Ion Ratio Lower Upper
 228 100
 226 34.8 22.0 33.0#
 229 27.1 16.3 24.5#





#83

Chrysene

Concen: 2.421 ng

RT: 14.068 min Scan# 2037

Delta R.T. 0.000 min

Lab File: BF134002.D

Acq: 27 Jun 2023 21:16

Instrument :

BNA_F

ClientSampleId :

TR-05-062223

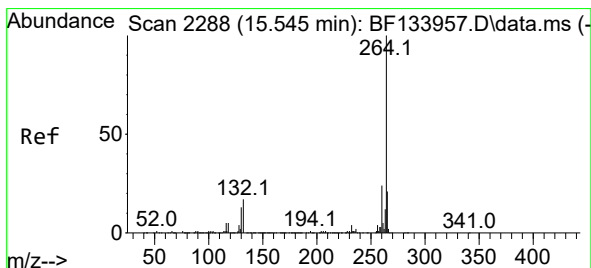
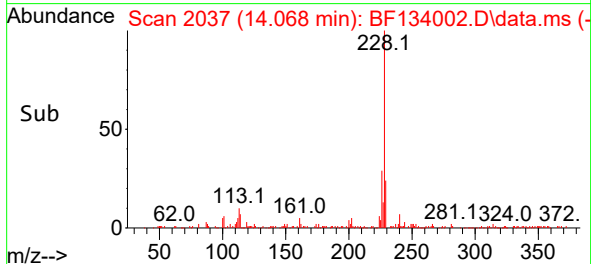
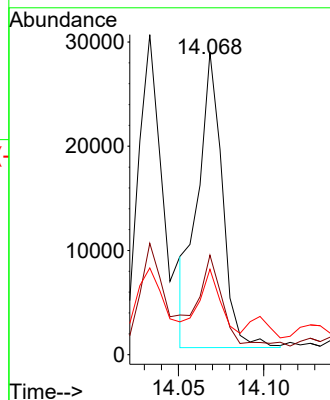
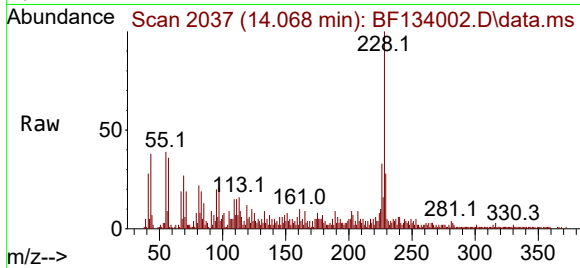
Tgt Ion:228 Resp: 28400

Ion Ratio Lower Upper

228 100

226 32.9 24.4 36.6

229 28.2 16.1 24.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2289

Delta R.T. 0.006 min

Lab File: BF134002.D

Acq: 27 Jun 2023 21:16

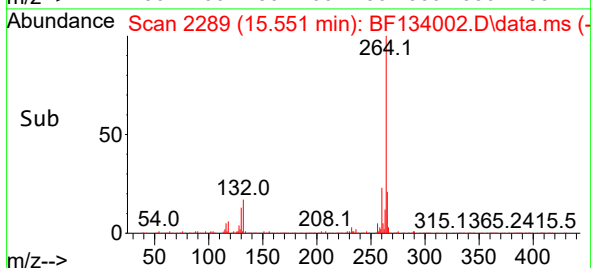
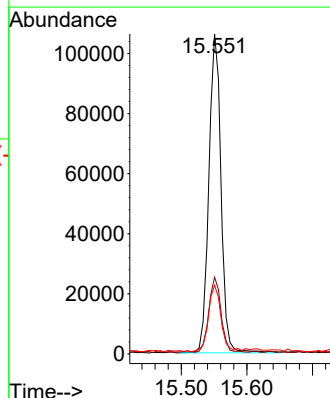
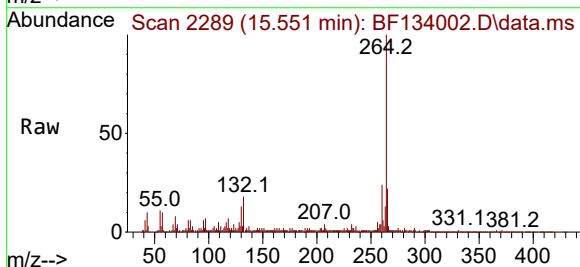
Tgt Ion:264 Resp: 137149

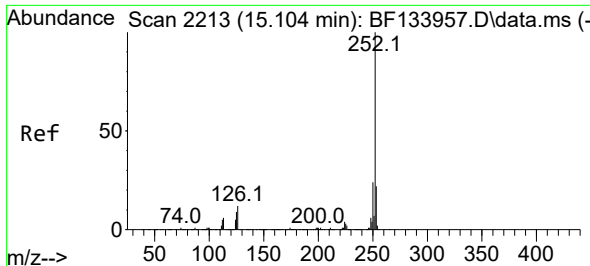
Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 21.5 16.6 25.0

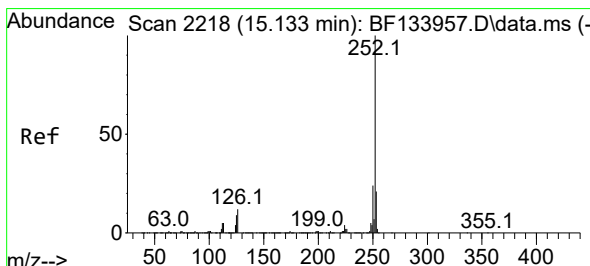
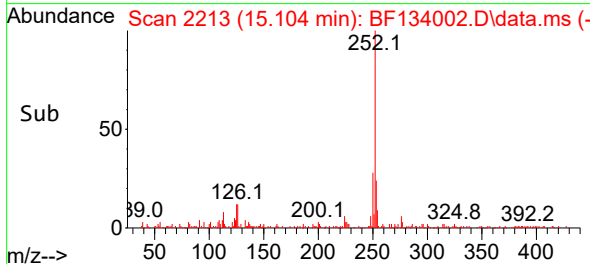
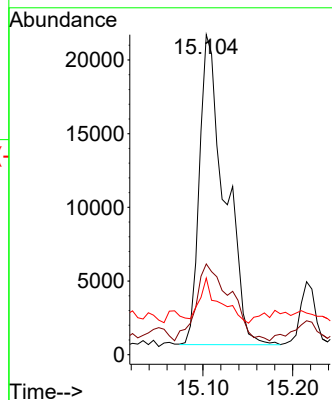
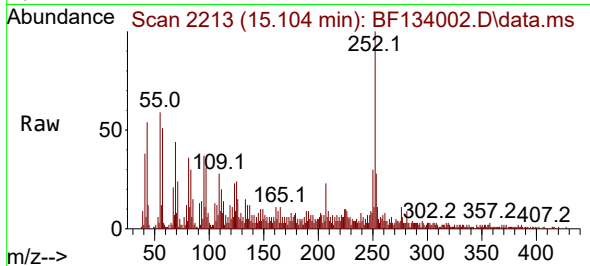




#88
Benzo(b)fluoranthene
Concen: 5.097 ng
RT: 15.104 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BF134002.D
Acq: 27 Jun 2023 21:16

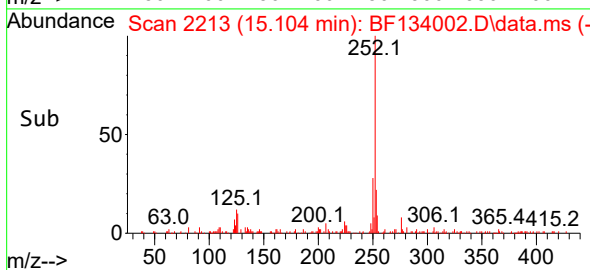
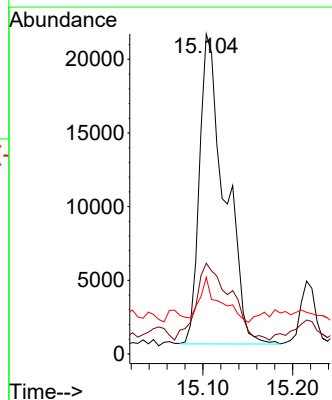
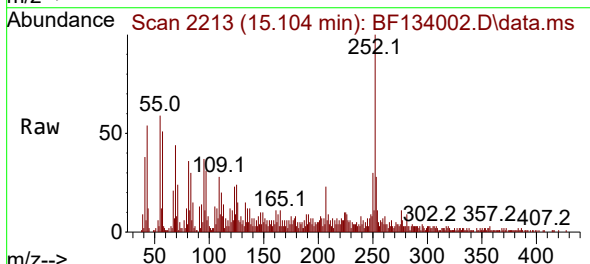
Instrument :
BNA_F
ClientSampleId :
TR-05-062223

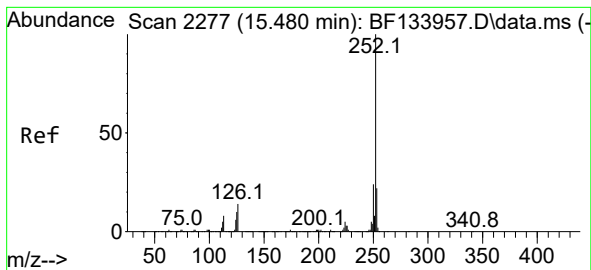
Tgt Ion:252 Resp: 41107
Ion Ratio Lower Upper
252 100
253 28.3 17.4 26.0#
125 23.9 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 5.006 ng
RT: 15.104 min Scan# 2213
Delta R.T. -0.029 min
Lab File: BF134002.D
Acq: 27 Jun 2023 21:16

Tgt Ion:252 Resp: 41107
Ion Ratio Lower Upper
252 100
253 28.3 16.9 25.3#
125 23.9 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 2.714 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134002.D

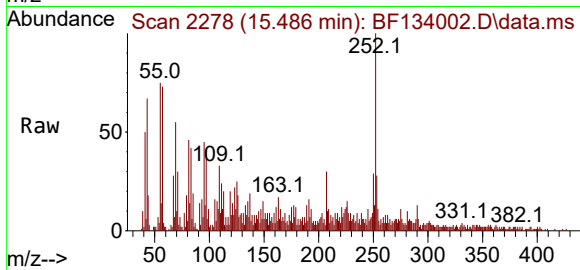
Acq: 27 Jun 2023 21:16

Instrument :

BNA_F

ClientSampleId :

TR-05-062223



Tgt Ion:252 Resp: 21164

Ion Ratio Lower Upper

252 100

253 28.1 17.4 26.0#

125 25.1 8.4 12.6#

