

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133650.D
 Acq On : 08 Jun 2023 19:48
 Operator : CG\JU
 Sample : 03029-13
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

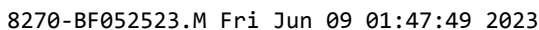
Quant Time: Jun 09 01:47:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 11:43:32 2023
 Response via : Initial Calibration

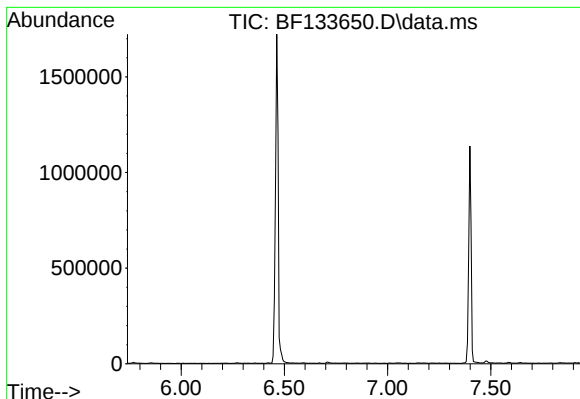
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng	-6.84
21) Naphthalene-d8	0.000	136	0	0.000	ng	-8.12
39) Acenaphthene-d10	0.000	164	0	0.000	ng	-9.88
64) Phenanthrene-d10	11.363	188	100	20.000	ng	# 0.00
76) Chrysene-d12	14.015	240	340	20.000	ng	# 0.00
86) Perylene-d12	15.480	264	116	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	433499	0.000	ng	0.00
7) Phenol-d6	6.463	99	513773	0.000	ng	0.00
23) Nitrobenzene-d5	7.398	82	303526	0.000	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	117259	0.000	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	560902	0.000	ng	0.00
79) Terphenyl-d14	12.957	244	514777	26919.572	ng	0.00
Target Compounds						Qvalue
65) 4,6-Dinitro-2-methylph...	10.669	198	149	306.944	ng	# 1
66) n-Nitrosodiphenylamine	10.669	169	3770	1161.242	ng	# 47
67) 4-Bromophenyl-phenylether	10.669	248	7500	7062.134	ng	# 1
71) Phenanthrene	11.392	178	1905	376.117	ng	# 87
72) Anthracene	11.445	178	800	153.469	ng	# 85
73) Carbazole	11.598	167	829	168.162	ng	# 89
74) Di-n-butylphthalate	11.927	149	953	163.484	ng	# 68
75) Fluoranthene	12.580	202	4317	771.638	ng	81
77) Benzidine	12.957	184	7339	738.019	ng	95
78) Pyrene	12.816	202	4072	140.741	ng	# 87
80) Butylbenzylphthalate	13.445	149	152	13.278	ng	# 68
81) Benzo(a)anthracene	13.998	228	1577	69.626	ng	# 66
82) 3,3'-Dichlorobenzidine	13.963	252	97	13.700	ng	# 43
83) Chrysene	14.039	228	2855	124.862	ng	# 69
84) Bis(2-ethylhexyl)phtha...	13.992	149	2545	177.861	ng	# 78
85) Di-n-octyl phthalate	14.610	149	400	16.781	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.956	276	995	134.659	ng	# 70
88) Benzo(b)fluoranthene	15.051	252	4254	563.175	ng	# 1
89) Benzo(k)fluoranthene	15.051	252	4254	577.573	ng	# 1
90) Benzo(a)pyrene	15.421	252	2365	344.084	ng	# 1
91) Dibenzo(a,h)anthracene	16.974	278	523	87.300	ng	# 1
92) Benzo(g,h,i)perylene	17.398	276	3557	588.835	ng	# 62

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

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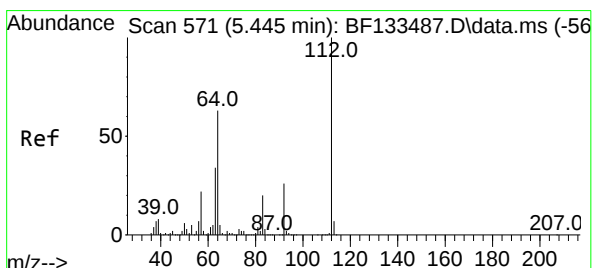
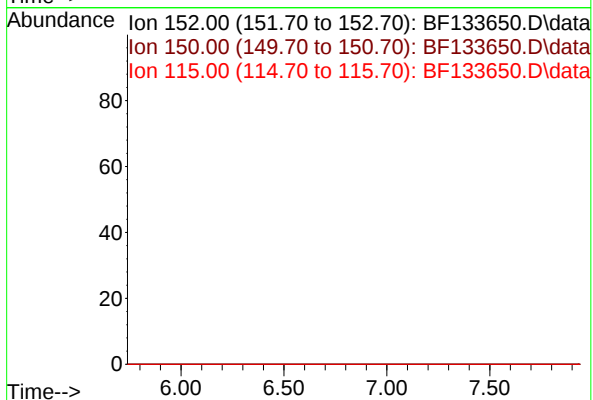


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 6.84 min
 Lab File: BF133650.D
 Acq: 08 Jun 2023 19:48

Instrument :
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 TP-10

Tgt Ion: 152

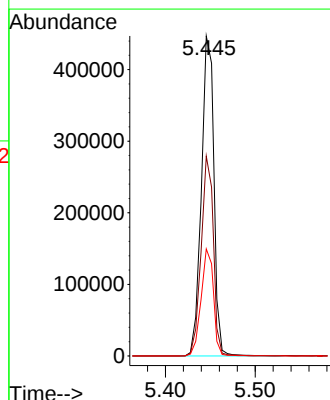
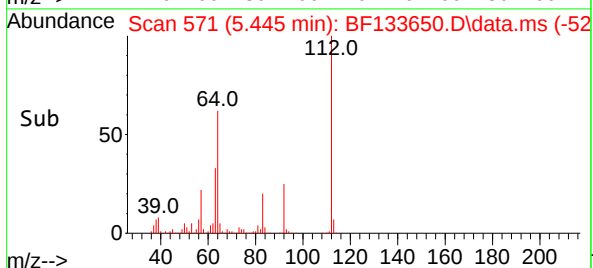
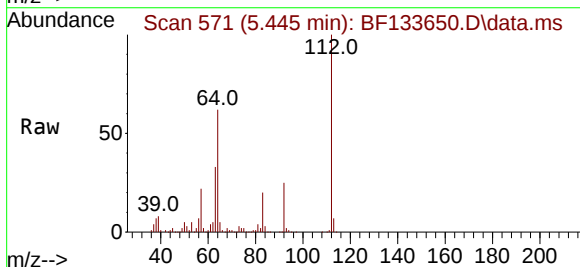
Sig	Exp Ratio
152	100
150	156.1
115	60.1



#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.445 min Scan# 571
 Delta R.T. 0.000 min
 Lab File: BF133650.D
 Acq: 08 Jun 2023 19:48

Tgt Ion: 112 Resp: 433499

Ion	Ratio	Lower	Upper
112	100		
64	62.5	50.1	75.1
63	33.5	27.5	41.3

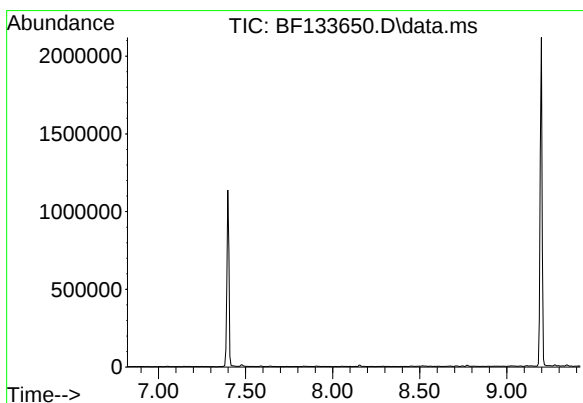
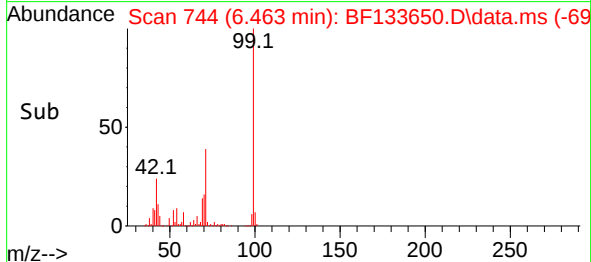
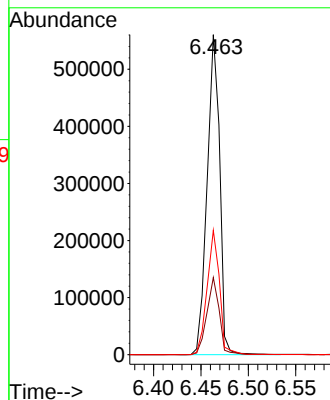
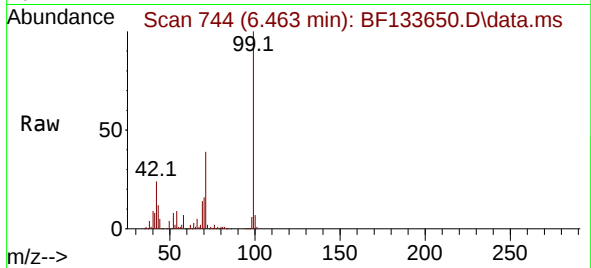




#7
Phenol-d6
Concen: 0.000 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133650.D
Acq: 08 Jun 2023 19:48

Instrument :
BNA_F
ClientSampleId :
TP-10

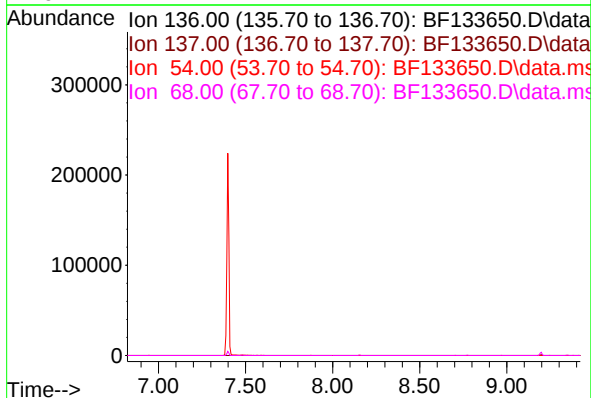
Tgt Ion: 99 Resp: 513773
Ion Ratio Lower Upper
99 100
42 24.1 19.7 29.5
71 38.8 29.8 44.8



#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 8.12 min

Lab File: BF133650.D
Acq: 08 Jun 2023 19:48

Tgt Ion: 136
Sig Exp Ratio
136 100
137 10.3
54 8.3
68 5.8





#23

Nitrobenzene-d5

Concen: 0.000 ng

RT: 7.398 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF133650.D

Acq: 08 Jun 2023 19:48

Instrument :

BNA_F

ClientSampleId :

TP-10

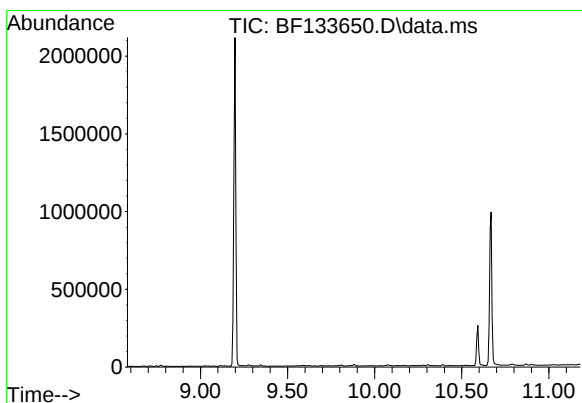
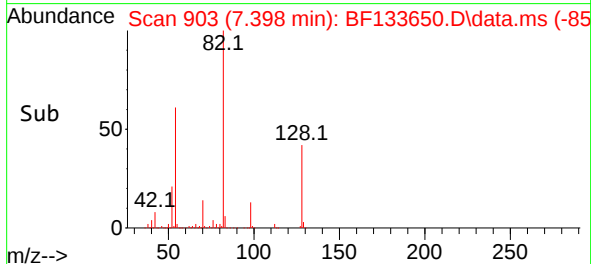
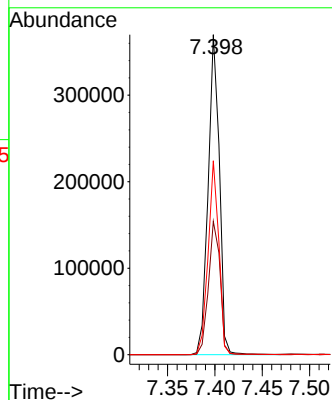
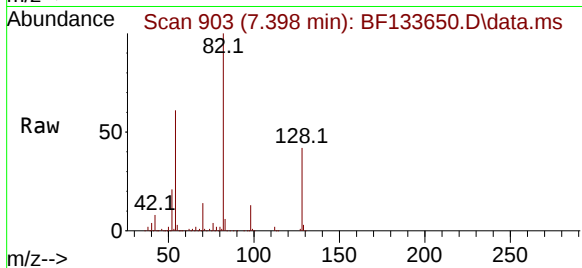
Tgt Ion: 82 Resp: 303526

Ion Ratio Lower Upper

82 100

128 41.6 34.2 51.4

54 60.6 48.2 72.4



#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 9.88 min

Lab File: BF133650.D

Acq: 08 Jun 2023 19:48

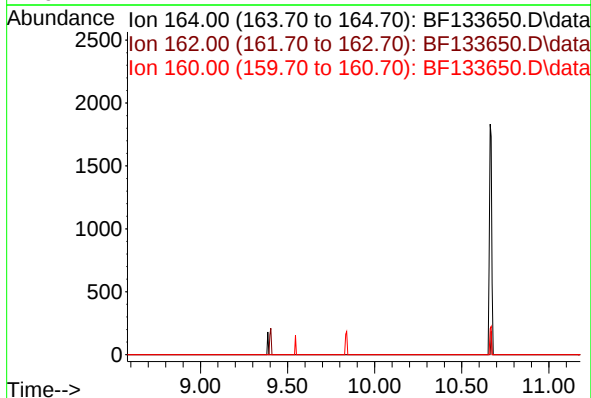
Tgt Ion: 164

Sig Exp Ratio

164 100

162 99.6

160 44.2



Ion 162.00 (161.70 to 162.70): BF133650.D\data

Ion 160.00 (159.70 to 160.70): BF133650.D\data



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.000 min

Lab File: BF133650.D

Acq: 08 Jun 2023 19:48

Instrument :

BNA_F

ClientSampleId :

TP-10

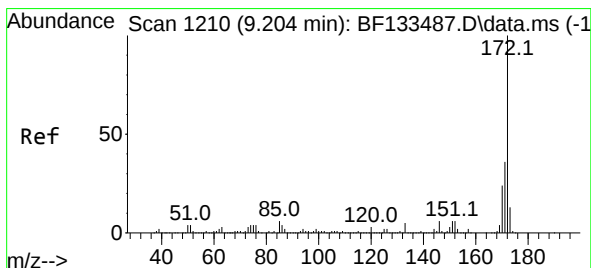
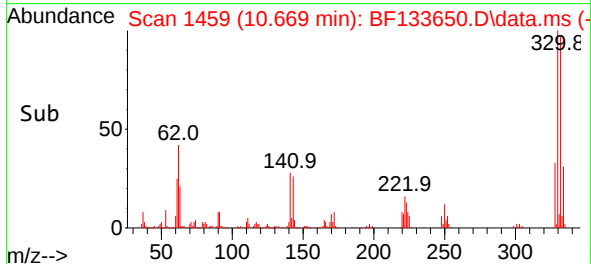
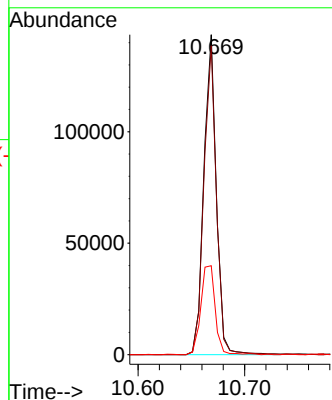
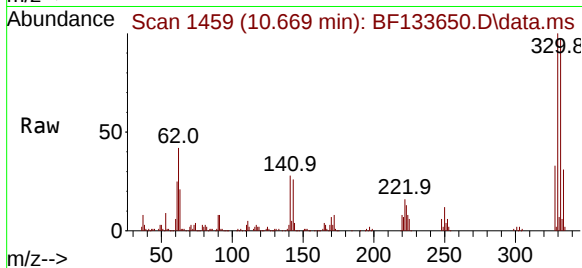
Tgt Ion:330 Resp: 117259

Ion Ratio Lower Upper

330 100

332 97.2 77.8 116.6

141 32.2 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 0.000 ng

RT: 9.198 min Scan# 1209

Delta R.T. 0.000 min

Lab File: BF133650.D

Acq: 08 Jun 2023 19:48

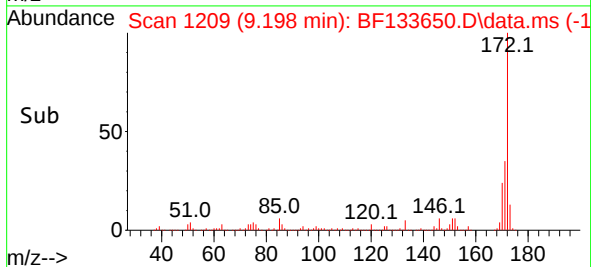
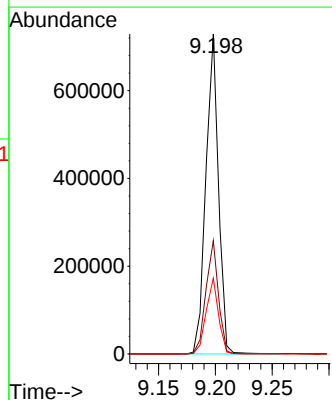
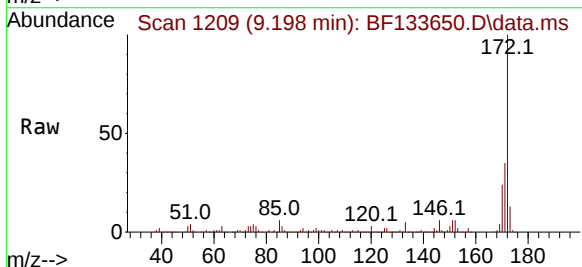
Tgt Ion:172 Resp: 560902

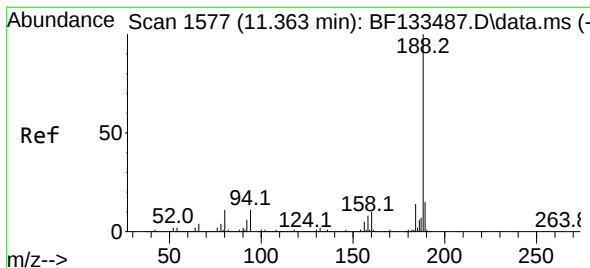
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.7 19.3 28.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133650.D

Acq: 08 Jun 2023 19:48

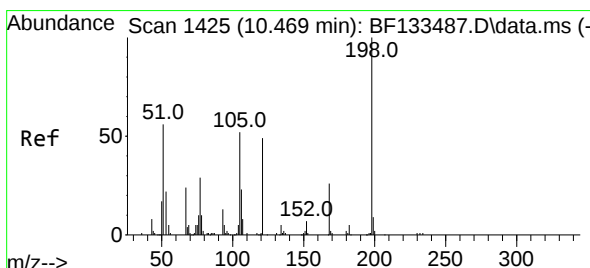
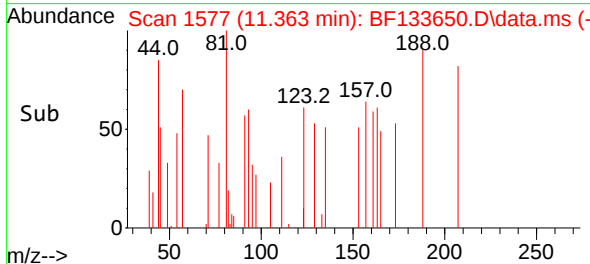
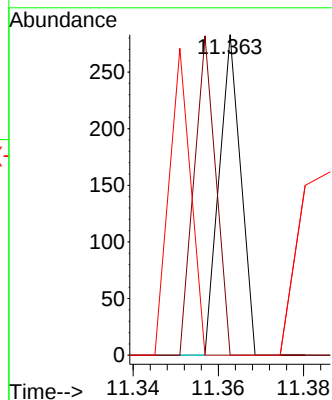
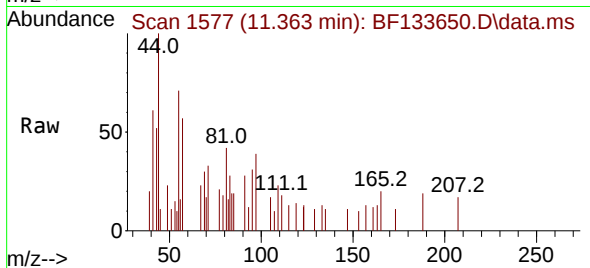
Instrument :

BNA_F

ClientSampleId :

TP-10

Tgt Ion:188	Resp:	100
Ion Ratio	Lower	Upper
188	100	
94	0.0	8.6
80	0.0	9.2



#65

4,6-Dinitro-2-methylphenol

Concen: 306.944 ng

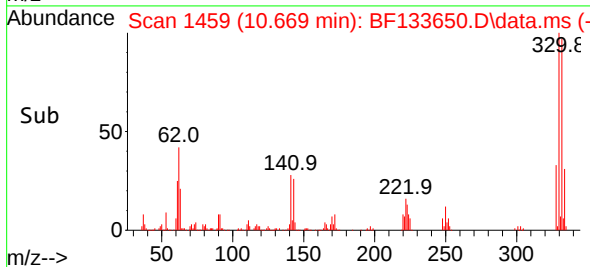
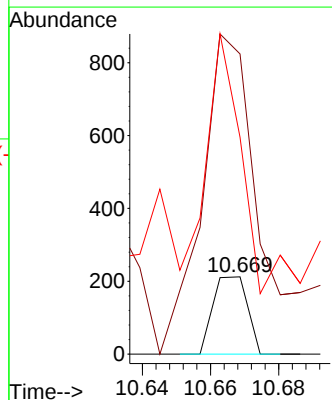
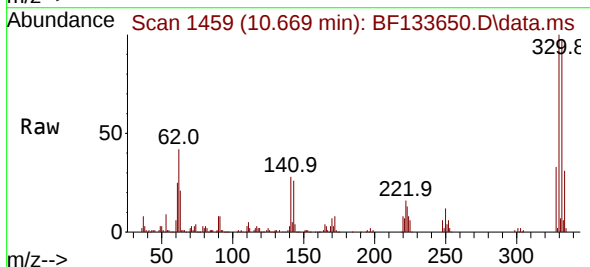
RT: 10.669 min Scan# 1459

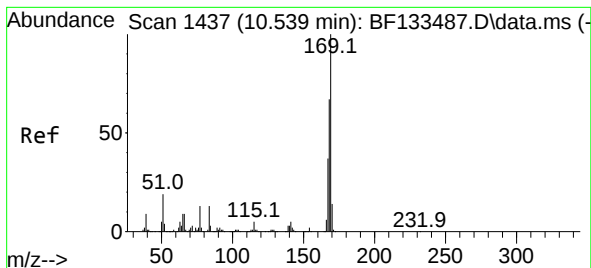
Delta R.T. 0.188 min

Lab File: BF133650.D

Acq: 08 Jun 2023 19:48

Tgt Ion:198	Resp:	149
Ion Ratio	Lower	Upper
198	100	
51	388.7	53.6
105	280.7	35.9





#66

n-Nitrosodiphenylamine

Concen: 1161.242 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.129 min

Lab File: BF133650.D

Acq: 08 Jun 2023 19:48

Instrument :

BNA_F

ClientSampleId :

TP-10

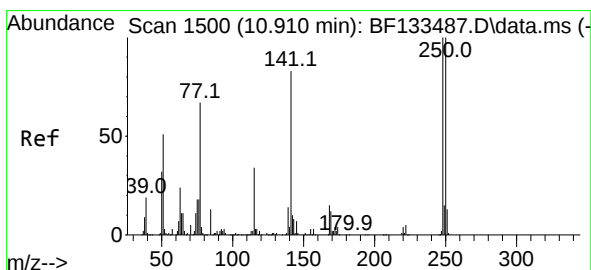
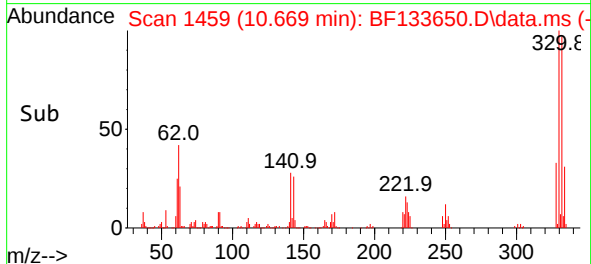
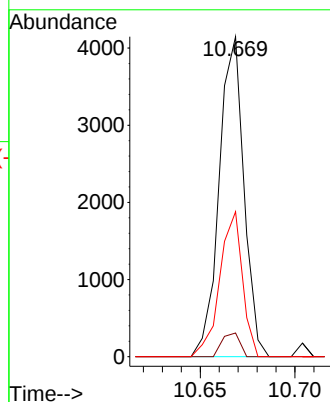
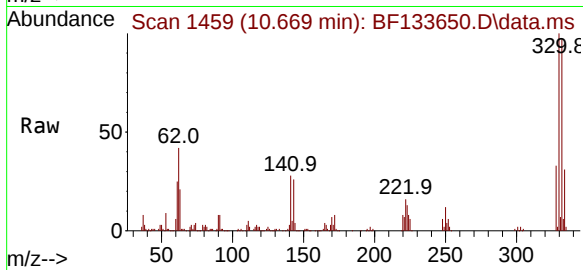
Tgt Ion:169 Resp: 3770

Ion Ratio Lower Upper

169 100

168 7.4 53.7 80.5#

167 45.3 29.6 44.4#



#67

4-Bromophenyl-phenylether

Concen: 7062.134 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.241 min

Lab File: BF133650.D

Acq: 08 Jun 2023 19:48

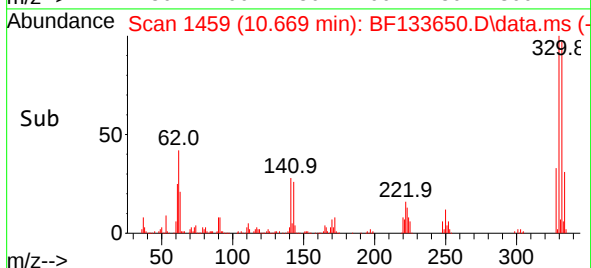
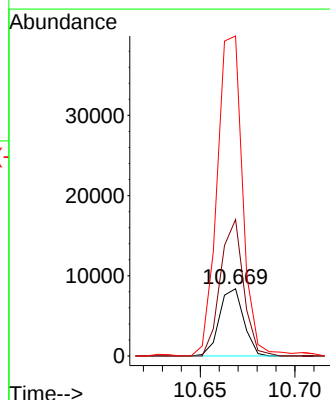
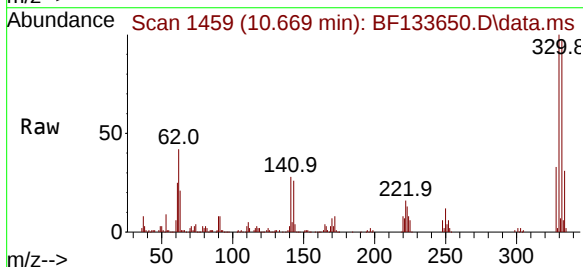
Tgt Ion:248 Resp: 7500

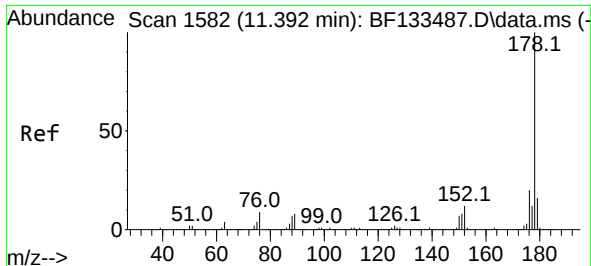
Ion Ratio Lower Upper

248 100

250 203.2 79.7 119.5#

141 476.5 66.6 100.0#

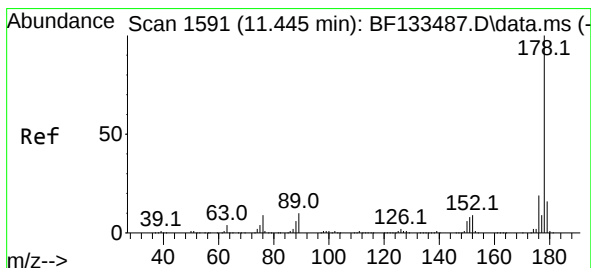
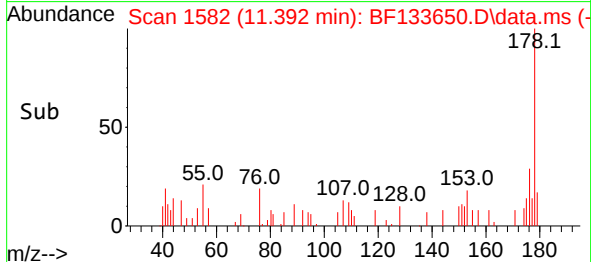
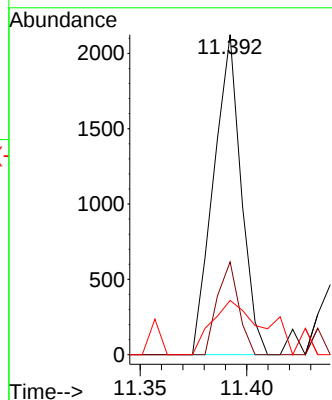
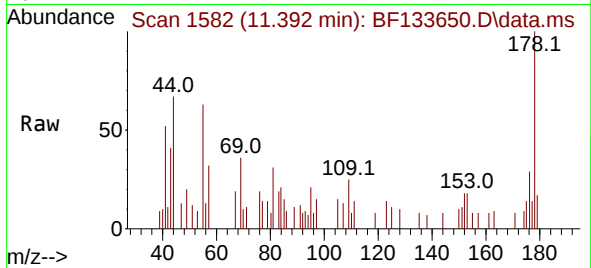




#71
Phenanthrene
Concen: 376.117 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF133650.D
Acq: 08 Jun 2023 19:48

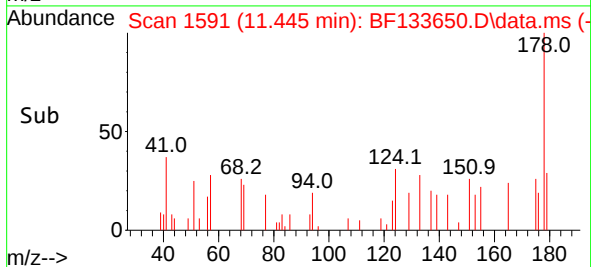
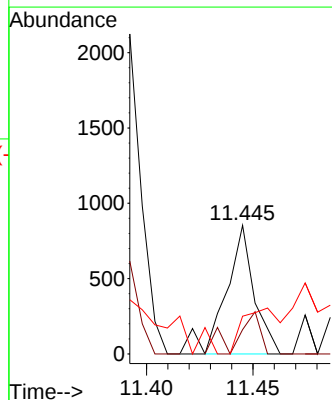
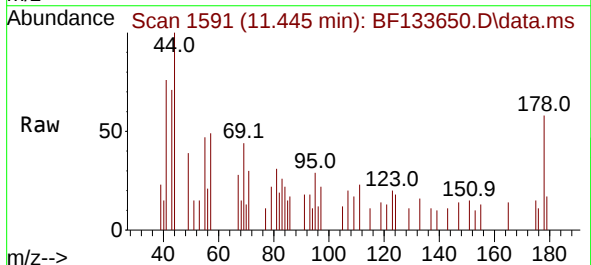
Instrument :
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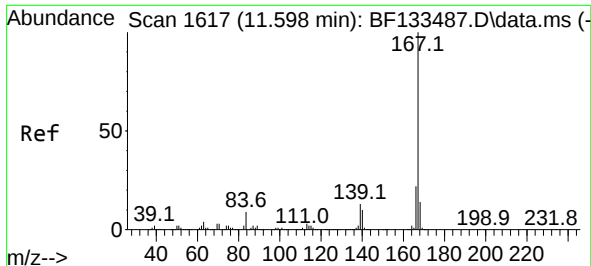
Tgt Ion:178 Resp: 1905
Ion Ratio Lower Upper
178 100
176 29.0 15.6 23.4#
179 16.9 12.4 18.6



#72
Anthracene
Concen: 153.469 ng
RT: 11.445 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BF133650.D
Acq: 08 Jun 2023 19:48

Tgt Ion:178 Resp: 800
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 29.3 12.6 18.8#

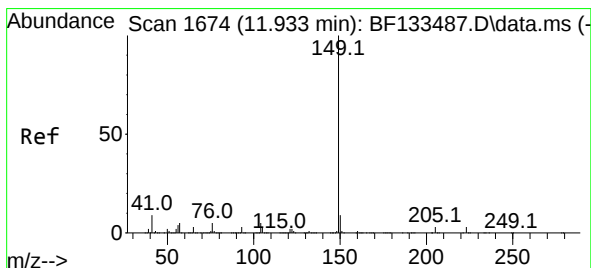
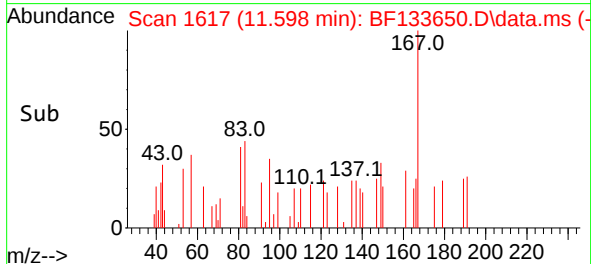
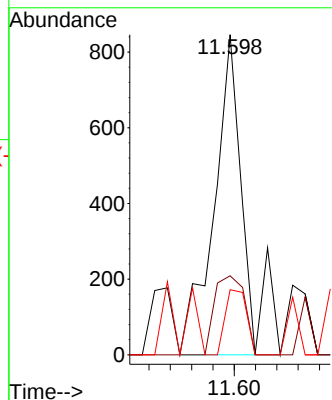
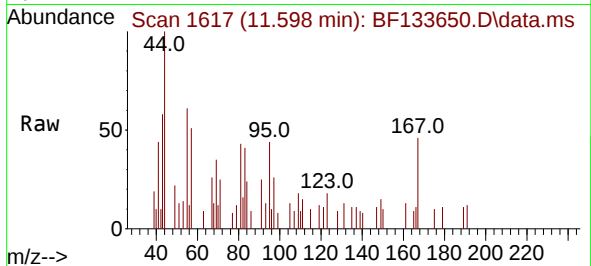




#73
 Carbazole
 Concen: 168.162 ng
 RT: 11.598 min Scan# 1617
 Delta R.T. 0.000 min
 Lab File: BF133650.D
 Acq: 08 Jun 2023 19:48

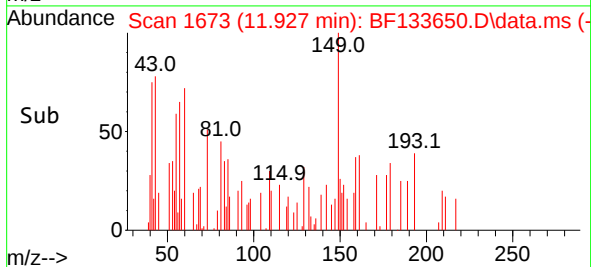
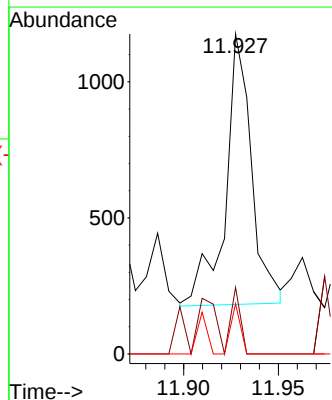
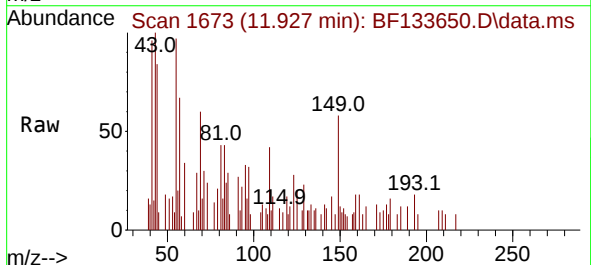
Instrument :
 BNA_F
 ClientSampleId :
 TP-10

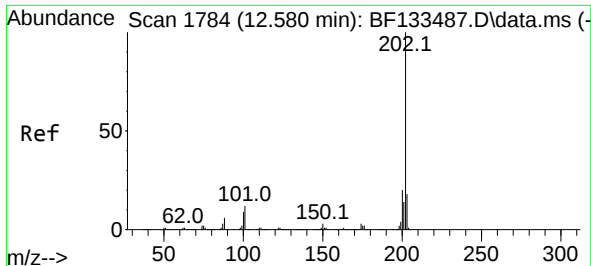
Tgt Ion:167 Resp: 829
 Ion Ratio Lower Upper
 167 100
 166 24.7 17.3 25.9
 139 20.3 10.7 16.1#



#74
 Di-n-butylphthalate
 Concen: 163.484 ng
 RT: 11.927 min Scan# 1673
 Delta R.T. -0.006 min
 Lab File: BF133650.D
 Acq: 08 Jun 2023 19:48

Tgt Ion:149 Resp: 953
 Ion Ratio Lower Upper
 149 100
 150 20.8 7.4 11.2#
 104 15.7 3.9 5.9#

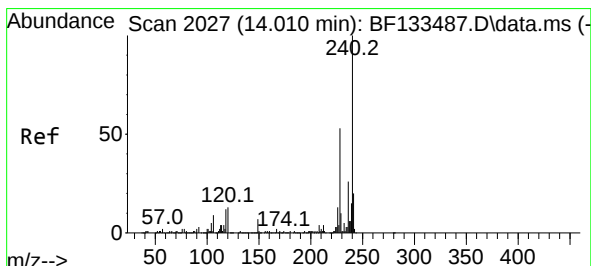
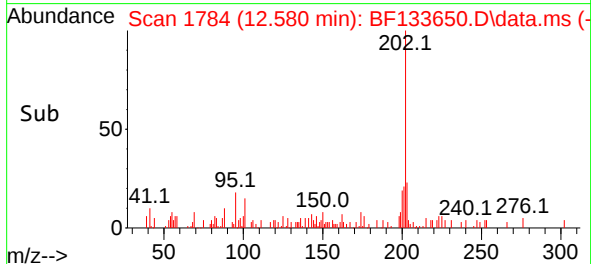
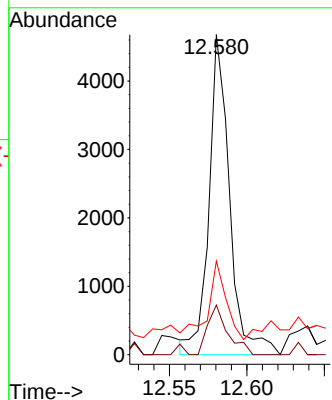
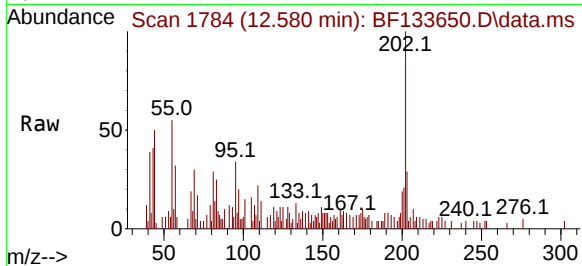




#75
Fluoranthene
Concen: 771.638 ng
RT: 12.580 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133650.D
Acq: 08 Jun 2023 19:48

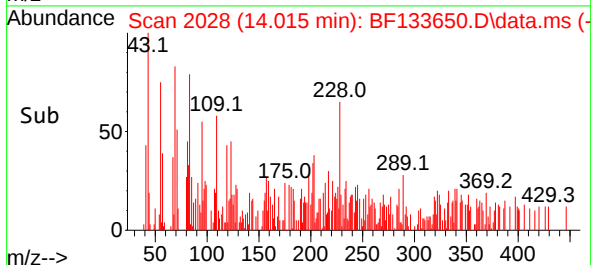
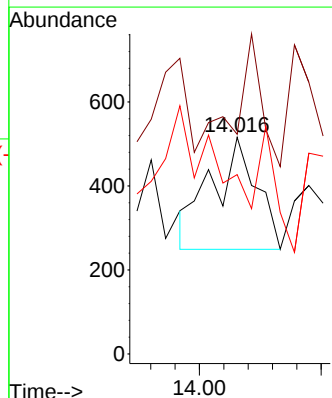
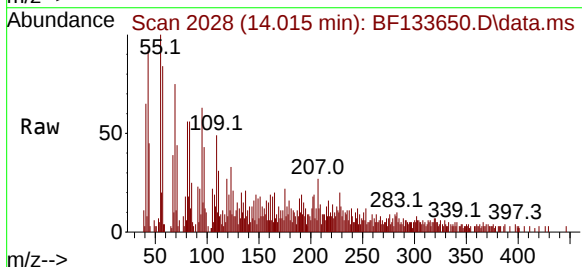
Instrument :
BNA_F
ClientSampleId :
TP-10

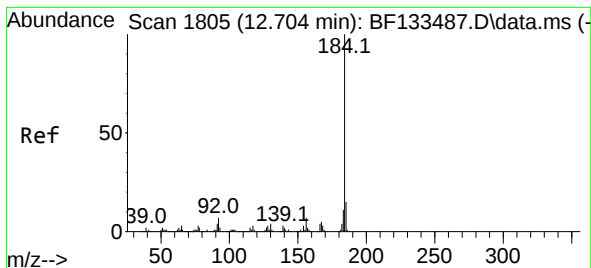
Tgt Ion:	202	Resp:	4317
Ion	Ratio	Lower	Upper
202	100		
101	15.5	0.0	32.2
203	29.3	0.0	37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF133650.D
Acq: 08 Jun 2023 19:48

Tgt Ion:	240	Resp:	340
Ion	Ratio	Lower	Upper
240	100		
120	101.4	10.3	15.5#
236	82.8	20.5	30.7#





#77

Benzidine

Concen: 738.019 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.253 min

Lab File: BF133650.D

Acq: 08 Jun 2023 19:48

Instrument :

BNA_F

ClientSampleId :

TP-10

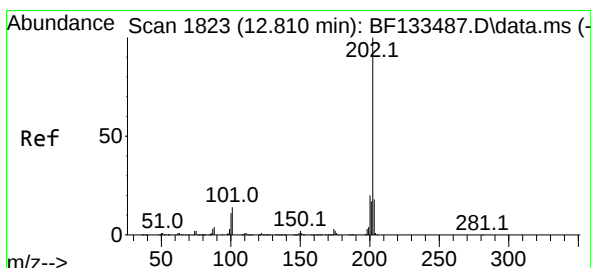
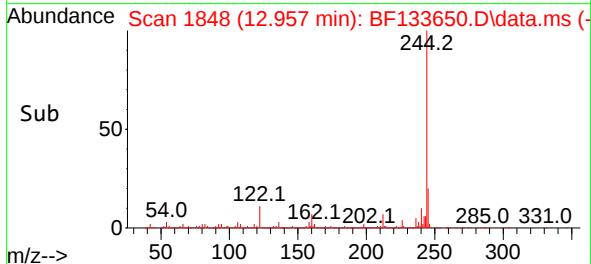
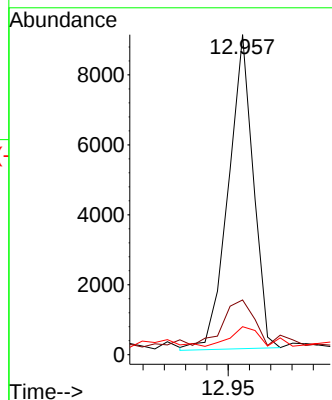
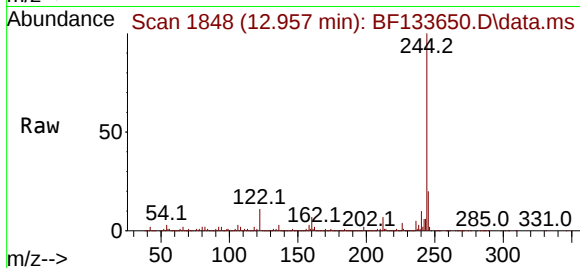
Tgt Ion:184 Resp: 7339

Ion Ratio Lower Upper

184 100

185 17.1 12.2 18.2

183 8.8 8.7 13.1



#78

Pyrene

Concen: 140.741 ng

RT: 12.816 min Scan# 1824

Delta R.T. 0.000 min

Lab File: BF133650.D

Acq: 08 Jun 2023 19:48

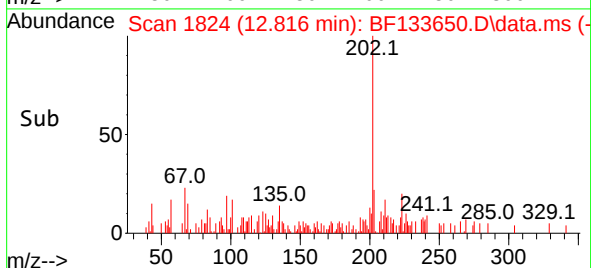
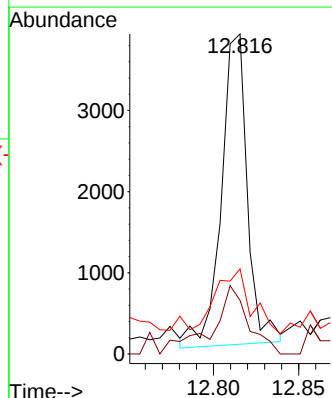
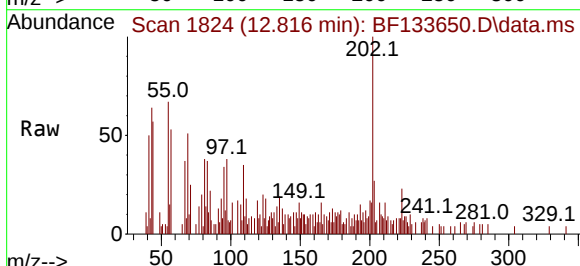
Tgt Ion:202 Resp: 4072

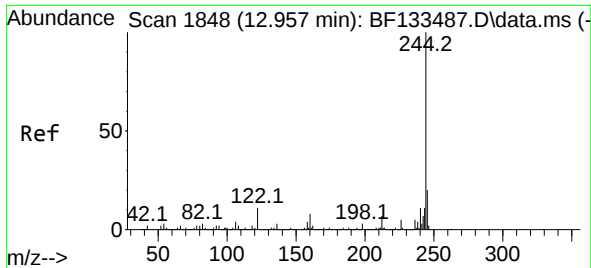
Ion Ratio Lower Upper

202 100

200 16.7 16.3 24.5

203 26.6 14.3 21.5#

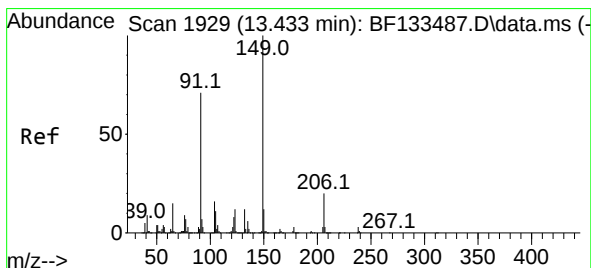
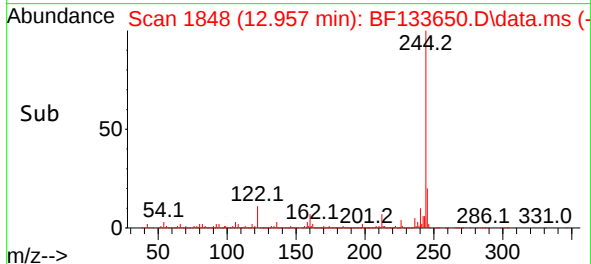
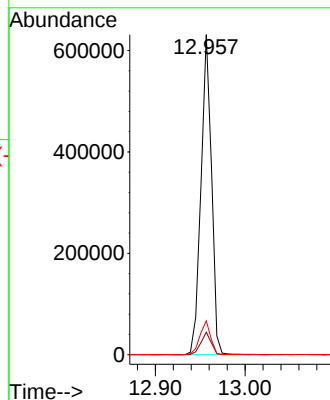
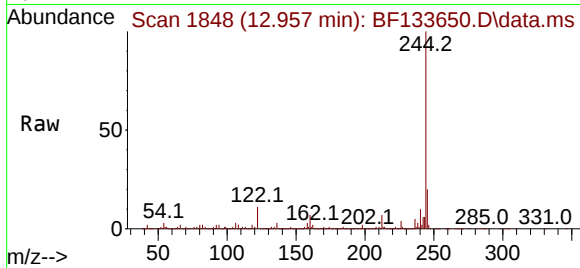




#79
 Terphenyl-d14
 Concen: 26919.572 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF133650.D
 Acq: 08 Jun 2023 19:48

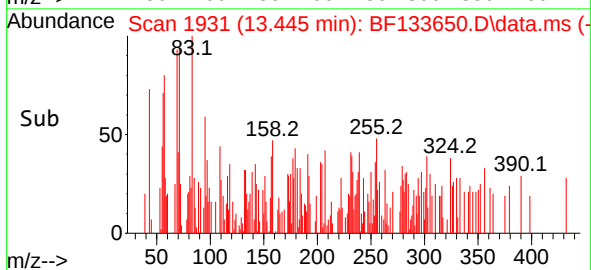
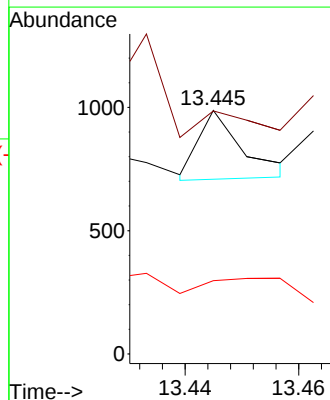
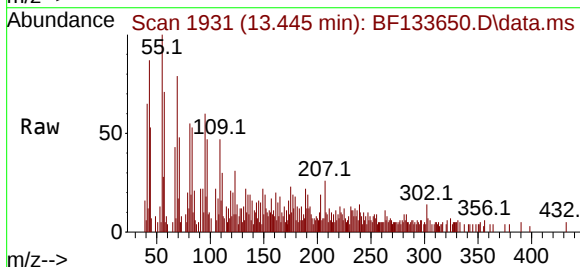
Instrument :
 BNA_F
 ClientSampleId :
 TP-10

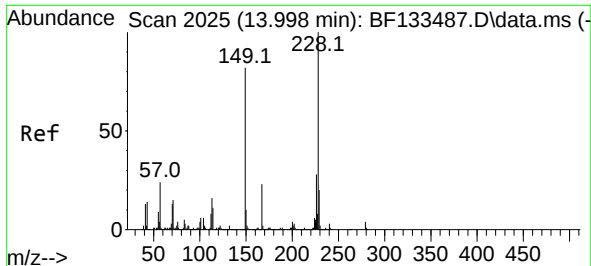
Tgt Ion:244 Resp: 514777
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 10.6 8.5 12.7



#80
 Butylbenzylphthalate
 Concen: 13.278 ng
 RT: 13.445 min Scan# 1931
 Delta R.T. 0.012 min
 Lab File: BF133650.D
 Acq: 08 Jun 2023 19:48

Tgt Ion:149 Resp: 152
 Ion Ratio Lower Upper
 149 100
 91 99.8 56.9 85.3#
 206 30.1 15.7 23.5#

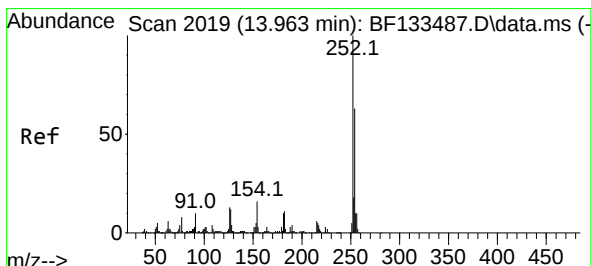
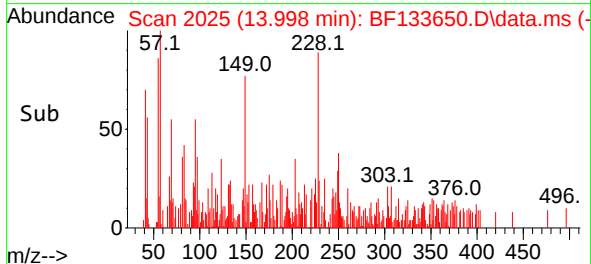
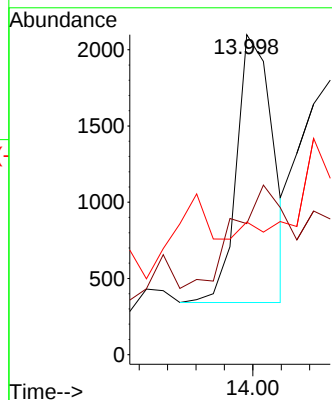
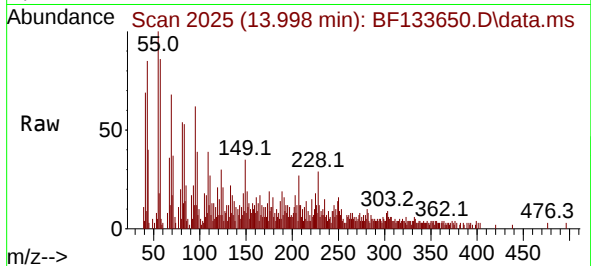




#81
Benzo(a)anthracene
Concen: 69.626 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133650.D
Acq: 08 Jun 2023 19:48

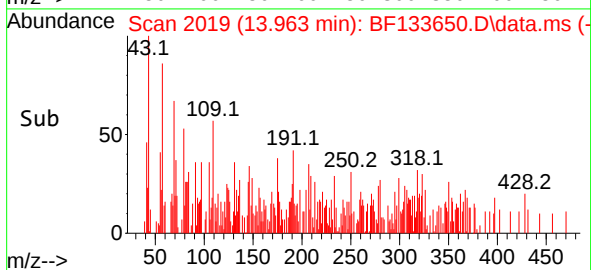
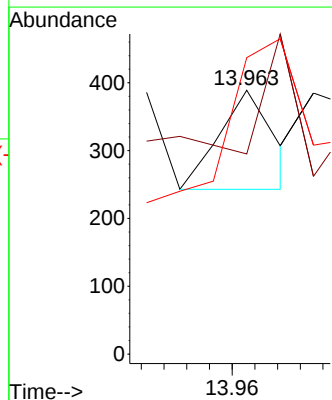
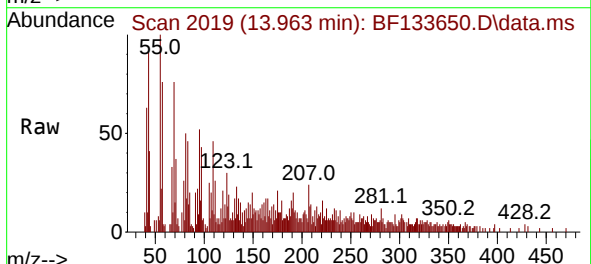
Instrument :
BNA_F
ClientSampleId :
TP-10

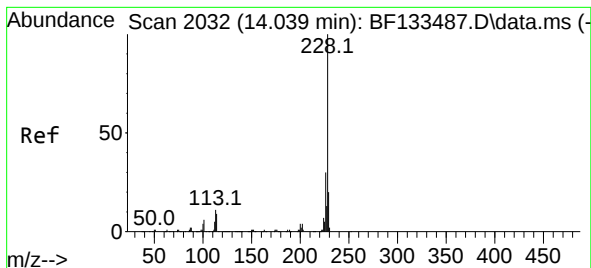
Tgt Ion:228 Resp: 1577
Ion Ratio Lower Upper
228 100
226 41.0 22.3 33.5#
229 41.4 16.1 24.1#



#82
3,3'-Dichlorobenzidine
Concen: 13.700 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF133650.D
Acq: 08 Jun 2023 19:48

Tgt Ion:252 Resp: 97
Ion Ratio Lower Upper
252 100
254 75.8 50.3 75.5#
126 112.3 10.5 15.7#





#83

Chrysene

Concen: 124.862 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133650.D

Acq: 08 Jun 2023 19:48

Instrument :

BNA_F

ClientSampleId :

TP-10

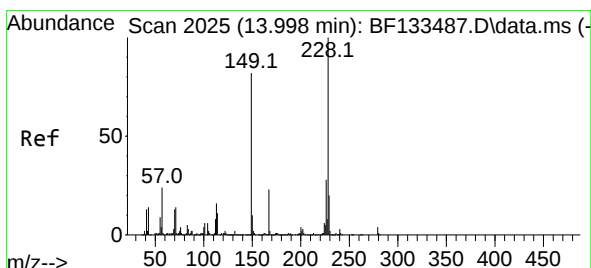
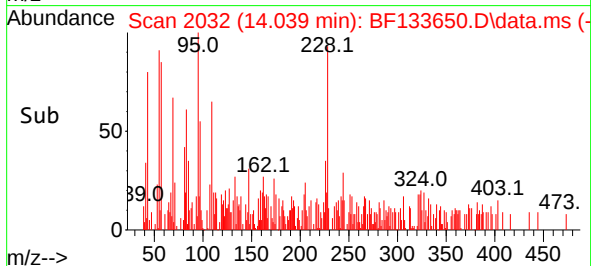
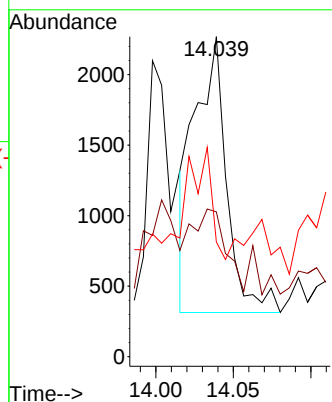
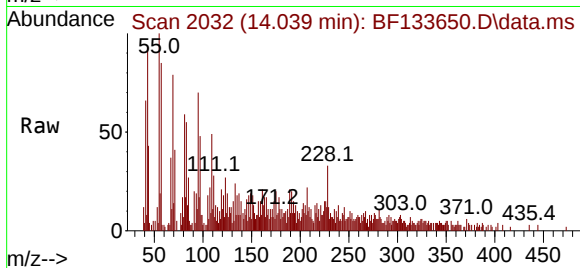
Tgt Ion:228 Resp: 2855

Ion Ratio Lower Upper

228 100

226 45.3 24.1 36.1#

229 35.9 15.8 23.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 177.861 ng

RT: 13.992 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF133650.D

Acq: 08 Jun 2023 19:48

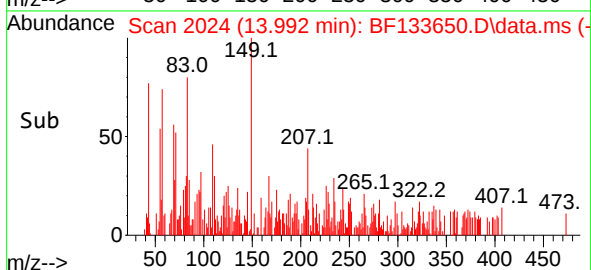
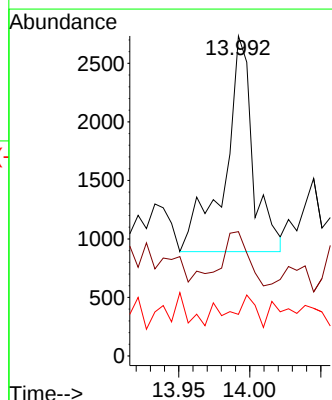
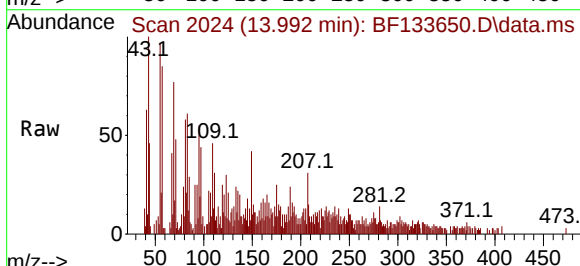
Tgt Ion:149 Resp: 2545

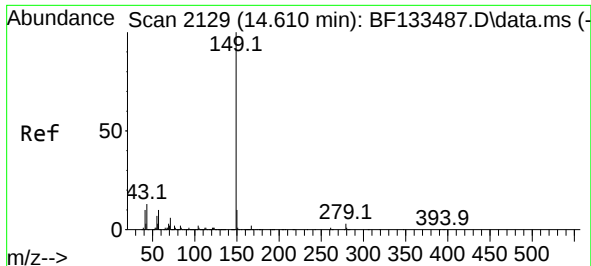
Ion Ratio Lower Upper

149 100

167 38.8 22.0 33.0#

279 13.0 3.6 5.4#

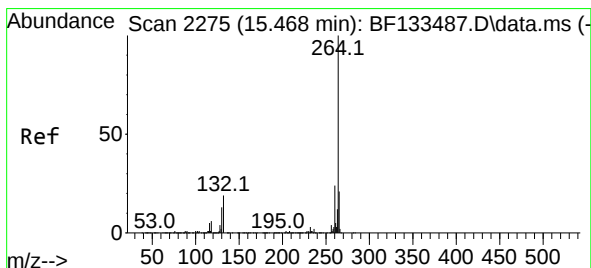
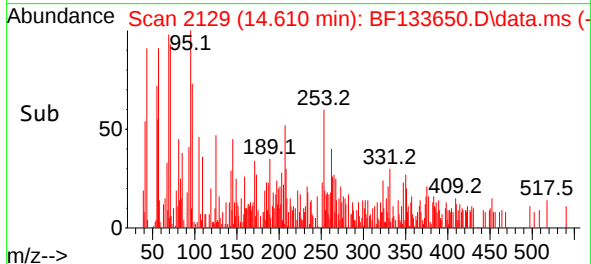
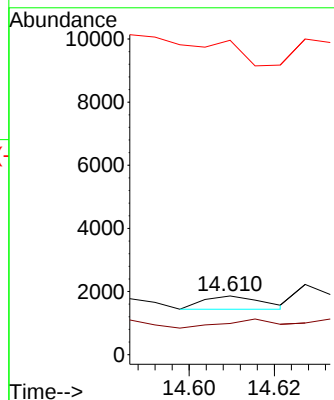
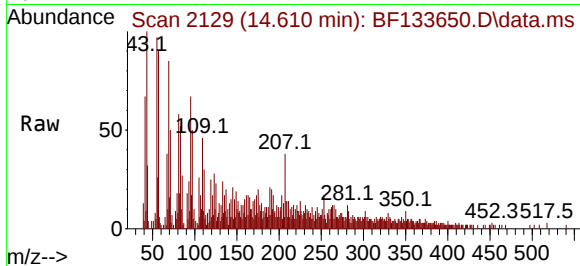




#85
Di-n-octyl phthalate
Concen: 16.781 ng
RT: 14.610 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF133650.D
Acq: 08 Jun 2023 19:48

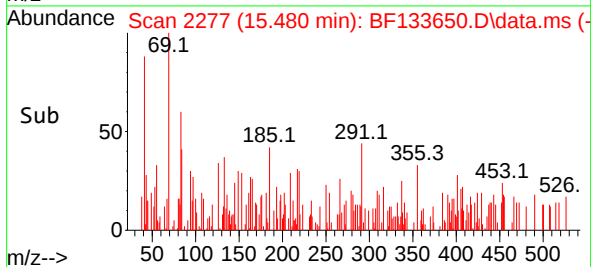
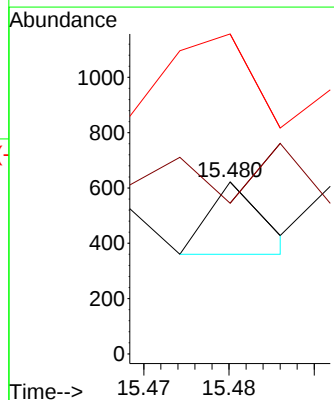
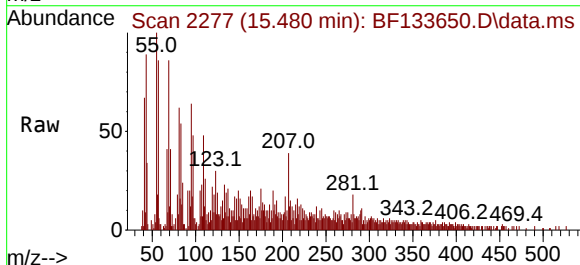
Instrument :
BNA_F
ClientSampleId :
TP-10

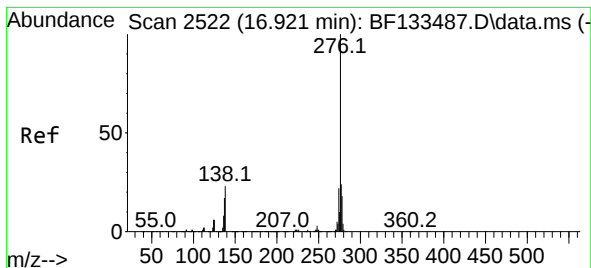
Tgt Ion:149 Resp: 400
Ion Ratio Lower Upper
149 100
167 73.5 1.3 1.9#
43 157.3 10.0 15.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BF133650.D
Acq: 08 Jun 2023 19:48

Tgt Ion:264 Resp: 116
Ion Ratio Lower Upper
264 100
260 87.6 19.0 28.4#
265 186.0 16.8 25.2#





#87

Indeno(1,2,3-cd)pyrene

Concen: 134.659 ng

RT: 16.956 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133650.D

Acq: 08 Jun 2023 19:48

Instrument :

BNA_F

ClientSampleId :

TP-10

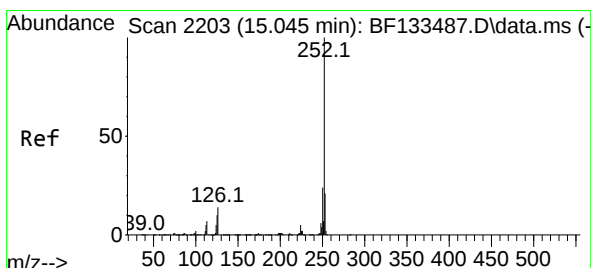
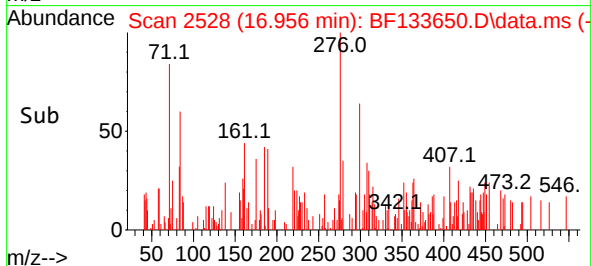
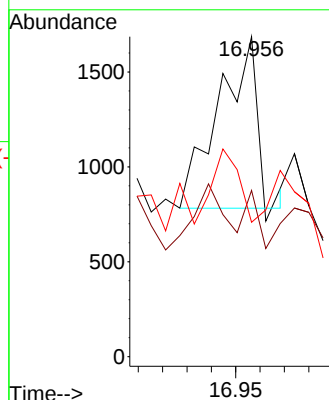
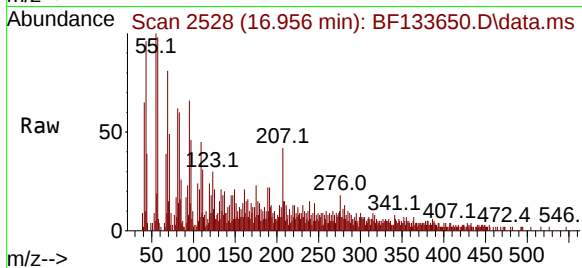
Tgt Ion:276 Resp: 995

Ion Ratio Lower Upper

276 100

138 18.8 21.4 32.2#

277 47.9 20.0 30.0#



#88

Benzo(b)fluoranthene

Concen: 563.175 ng

RT: 15.051 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF133650.D

Acq: 08 Jun 2023 19:48

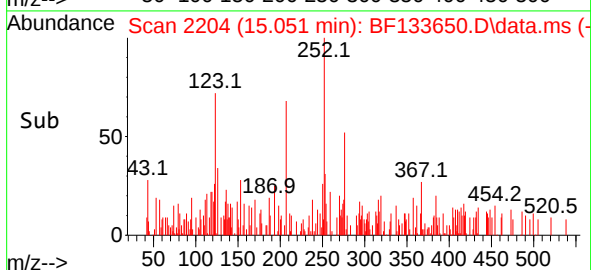
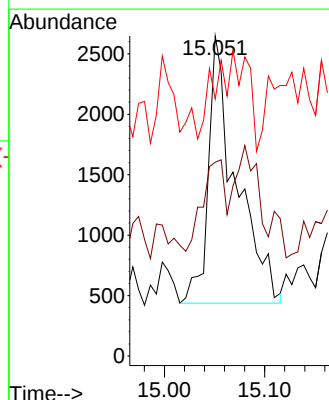
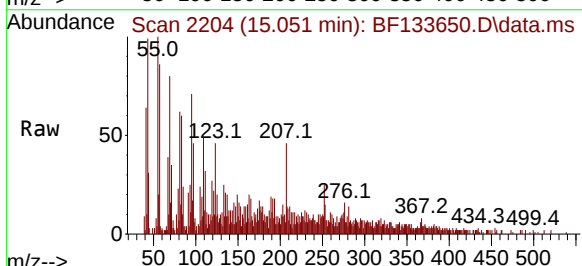
Tgt Ion:252 Resp: 4254

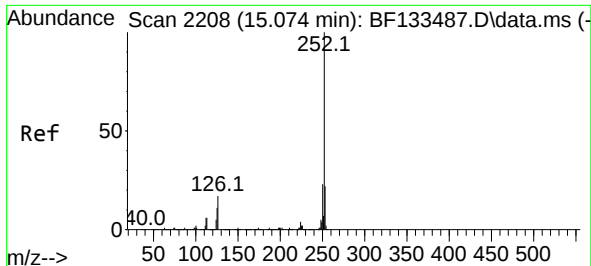
Ion Ratio Lower Upper

252 100

253 60.5 17.2 25.8#

125 80.3 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 577.573 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF133650.D

Acq: 08 Jun 2023 19:48

Instrument :

BNA_F

ClientSampleId :

TP-10

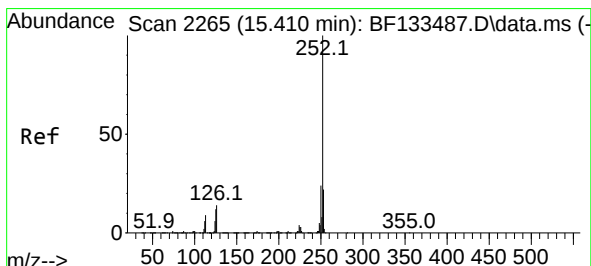
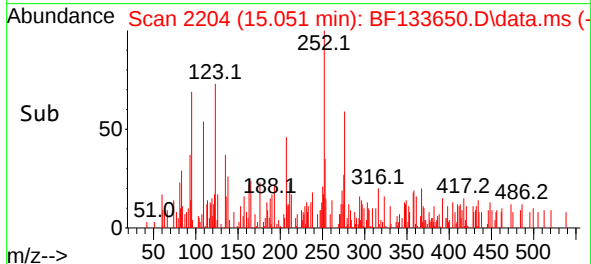
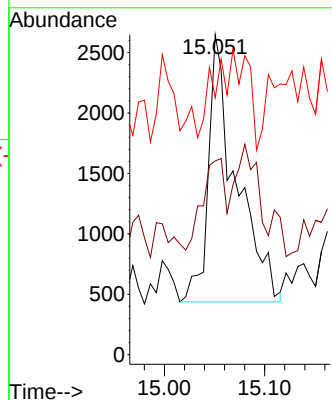
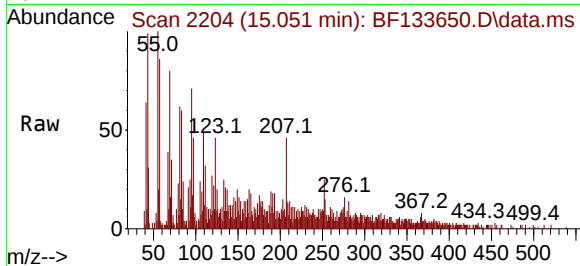
Tgt Ion:252 Resp: 4254

Ion Ratio Lower Upper

252 100

253 60.5 17.4 26.2#

125 80.3 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 344.084 ng

RT: 15.421 min Scan# 2267

Delta R.T. 0.006 min

Lab File: BF133650.D

Acq: 08 Jun 2023 19:48

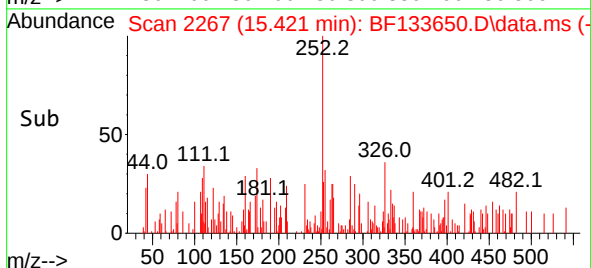
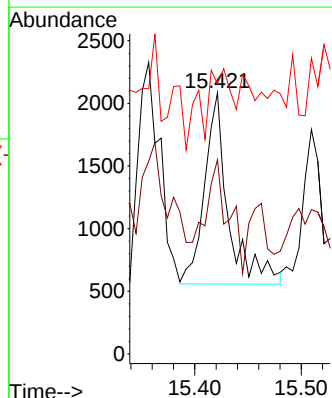
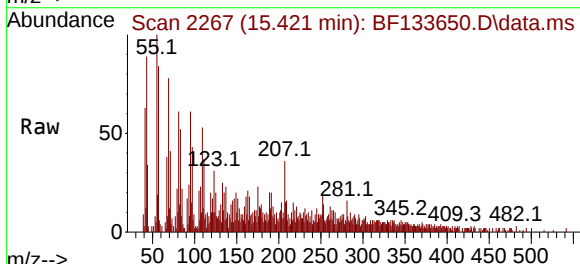
Tgt Ion:252 Resp: 2365

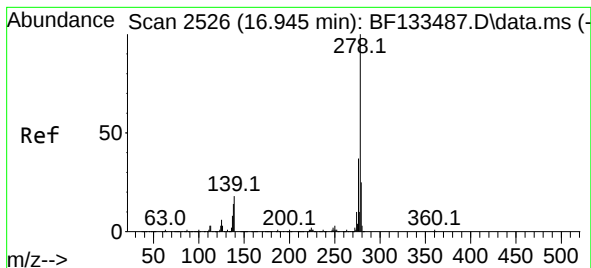
Ion Ratio Lower Upper

252 100

253 74.4 17.4 26.0#

125 103.5 9.4 14.0#





#91

Dibenzo(a,h)anthracene

Concen: 87.300 ng

RT: 16.974 min Scan# 2

Delta R.T. 0.006 min

Lab File: BF133650.D

Acq: 08 Jun 2023 19:48

Instrument :

BNA_F

ClientSampleId :

TP-10

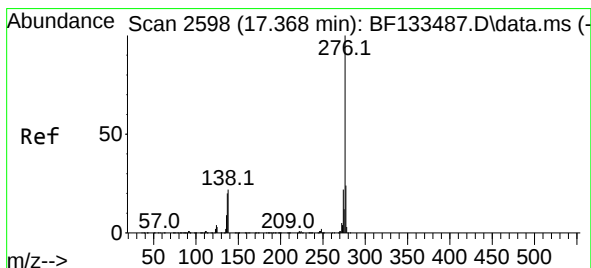
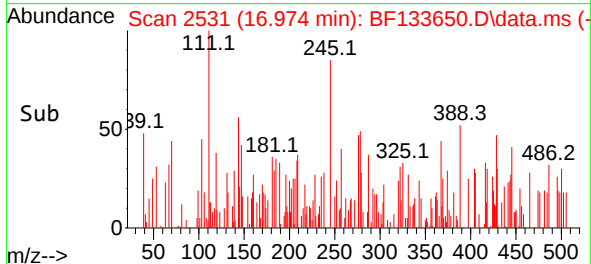
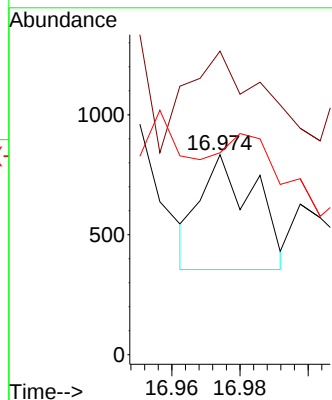
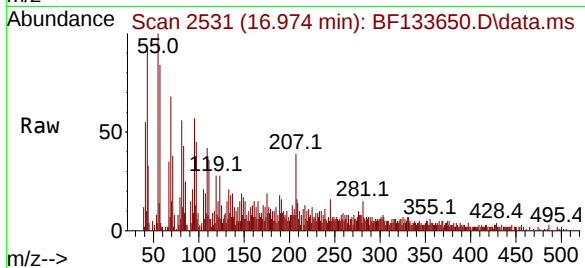
Tgt Ion:278 Resp: 523

Ion Ratio Lower Upper

278 100

139 151.7 14.1 21.1#

279 101.0 19.7 29.5#



#92

Benzo(g,h,i)perylene

Concen: 588.835 ng

RT: 17.398 min Scan# 2603

Delta R.T. 0.006 min

Lab File: BF133650.D

Acq: 08 Jun 2023 19:48

Tgt Ion:276 Resp: 3557

Ion Ratio Lower Upper

276 100

277 47.7 18.8 28.2#

138 34.4 17.8 26.6#

