

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF133997.D
 Acq On : 27 Jun 2023 18:28
 Operator : CG\JU
 Sample : 03398-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jun 27 19:57:21 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)

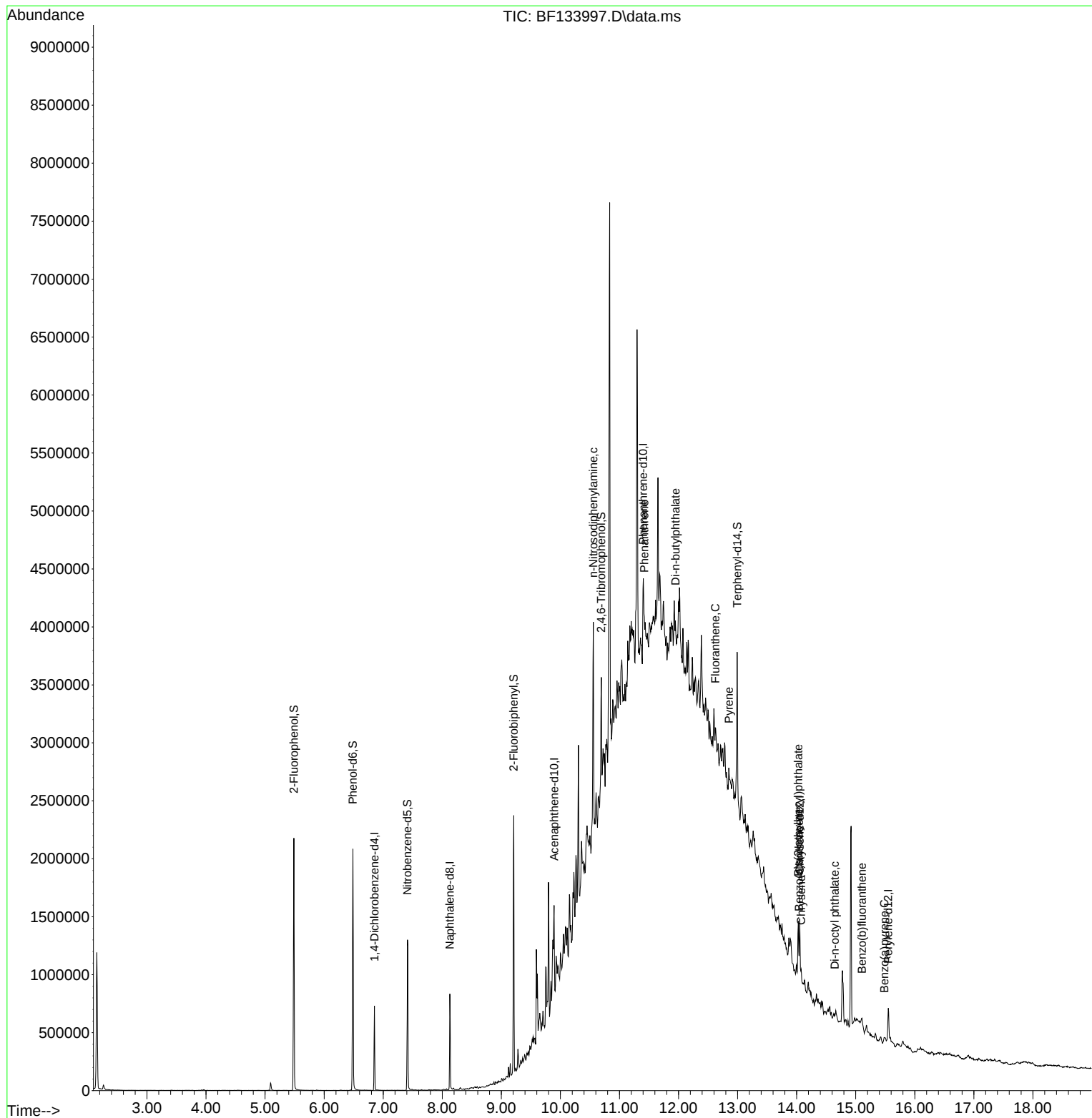
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	93312	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	335359	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	130309	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	163329	20.000	ng	# 0.01
76) Chrysene-d12	14.051	240	147902	20.000	ng	0.00
86) Perylene-d12	15.551	264	128174	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	525461	94.197	ng	0.00
7) Phenol-d6	6.487	99	615969	89.789	ng	0.00
23) Nitrobenzene-d5	7.410	82	413533	66.471	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	120434	73.713	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	635376	70.891	ng	0.00
79) Terphenyl-d14	12.992	244	440692	47.955	ng	0.01
Target Compounds						
						Qvalue
66) n-Nitrosodiphenylamine	10.557	169	37228	7.134	ng	# 50
71) Phenanthrene	11.422	178	29217	3.553	ng	# 40
74) Di-n-butylphthalate	11.951	149	29984	3.221	ng	# 29
75) Fluoranthene	12.622	202	53275	5.993	ng	88
78) Pyrene	12.851	202	52876	3.842	ng	# 84
81) Benzo(a)anthracene	14.039	228	39694	3.870	ng	# 75
83) Chrysene	14.074	228	38241	3.849	ng	# 70
84) Bis(2-ethylhexyl)phtha...	14.027	149	146302	24.664	ng	99
85) Di-n-octyl phthalate	14.645	149	38425	4.409	ng	# 65
88) Benzo(b)fluoranthene	15.104	252	39333m	5.219	ng	
90) Benzo(a)pyrene	15.486	252	22863	3.137	ng	# 72

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

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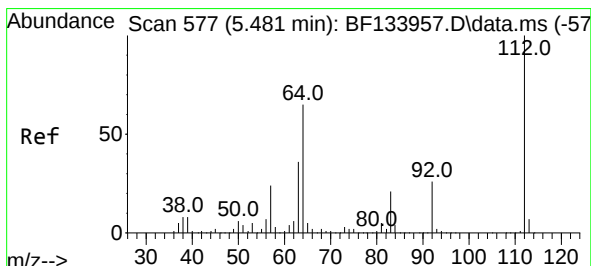
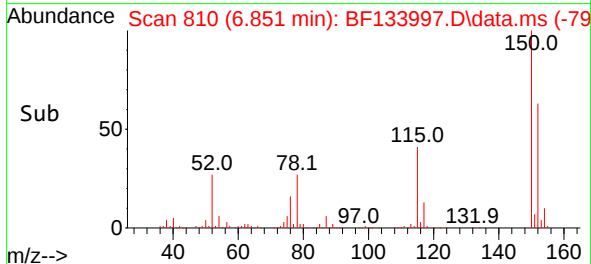
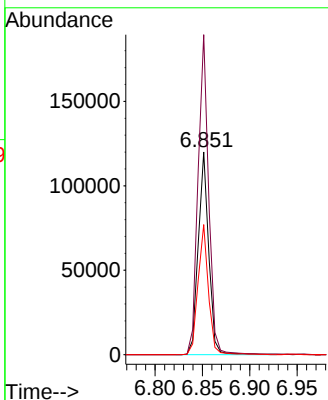
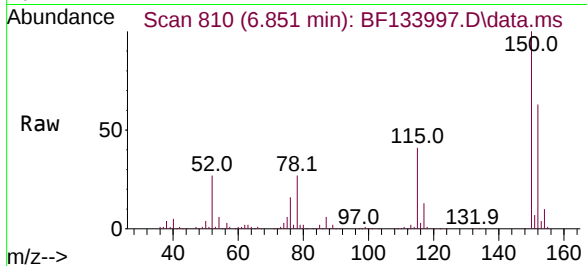




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF133997.D
Acq: 27 Jun 2023 18:28

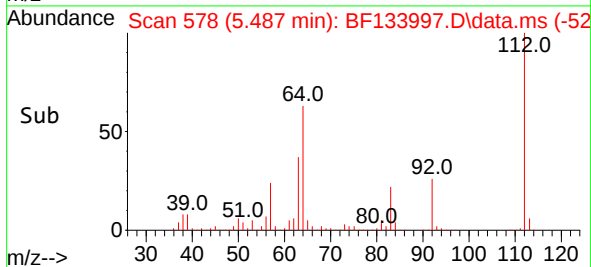
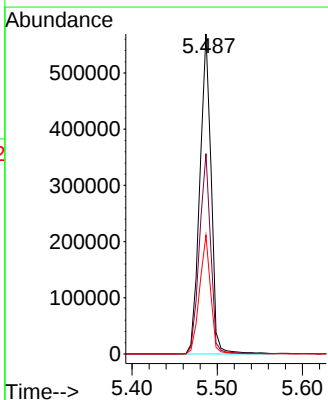
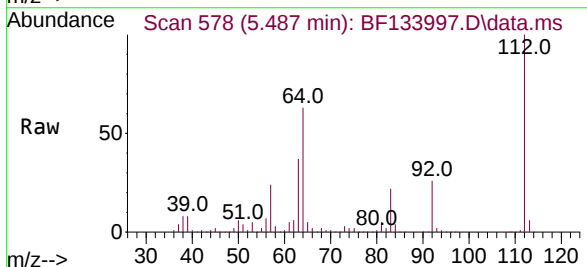
Instrument :
BNA_F
ClientSampleId :
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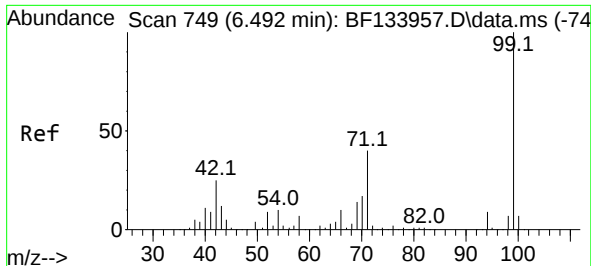
Tgt Ion:152 Resp: 93312
Ion Ratio Lower Upper
152 100
150 157.9 124.5 186.7
115 64.2 50.2 75.2



#5
2-Fluorophenol
Concen: 94.197 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF133997.D
Acq: 27 Jun 2023 18:28

Tgt Ion:112 Resp: 525461
Ion Ratio Lower Upper
112 100
64 62.6 52.1 78.1
63 37.1 28.6 42.8

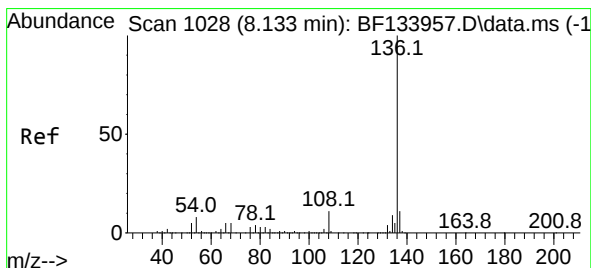
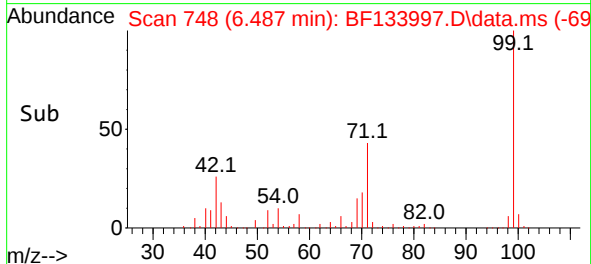
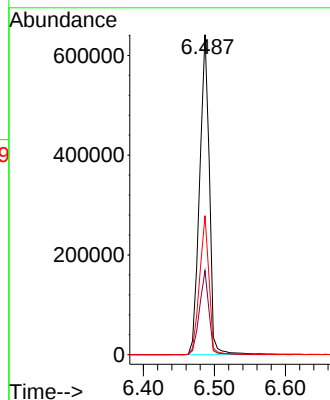
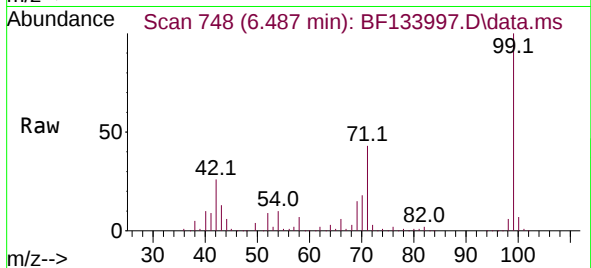




#7
Phenol-d6
Concen: 89.789 ng
RT: 6.487 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF133997.D
Acq: 27 Jun 2023 18:28

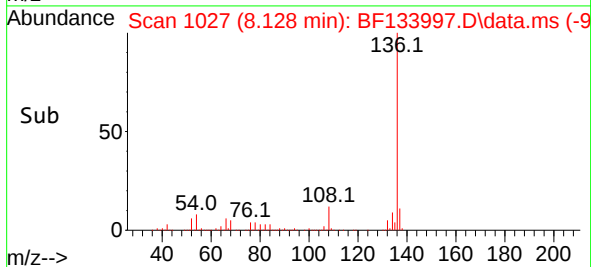
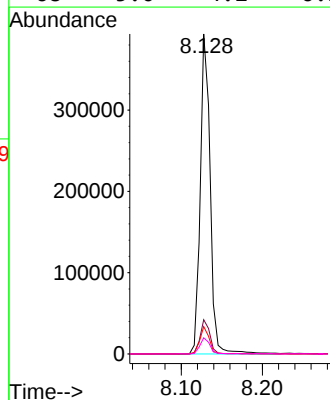
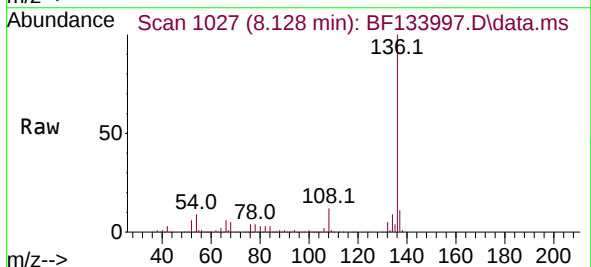
Instrument :
BNA_F
ClientSampleId :
WC-1

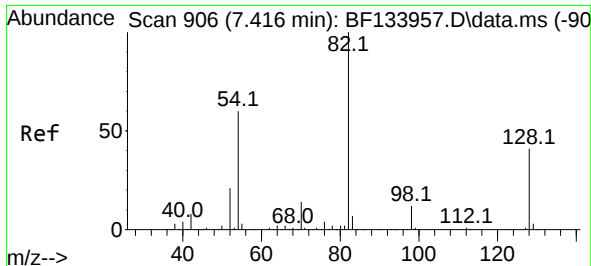
Tgt Ion: 99 Resp: 615969
Ion Ratio Lower Upper
99 100
42 26.3 19.8 29.6
71 43.5 31.9 47.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF133997.D
Acq: 27 Jun 2023 18:28

Tgt Ion: 136 Resp: 335359
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 8.5 6.5 9.7
68 5.0 4.2 6.2





#23

Nitrobenzene-d5

Concen: 66.471 ng

RT: 7.410 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF133997.D

Acq: 27 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

WC-1

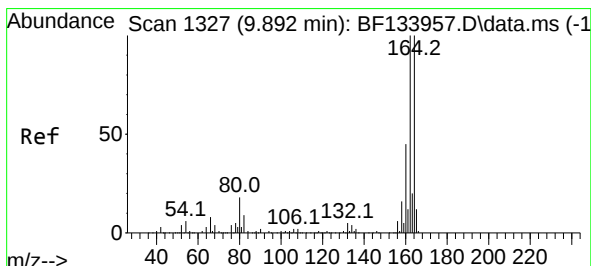
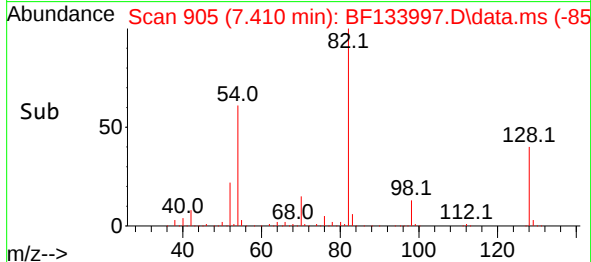
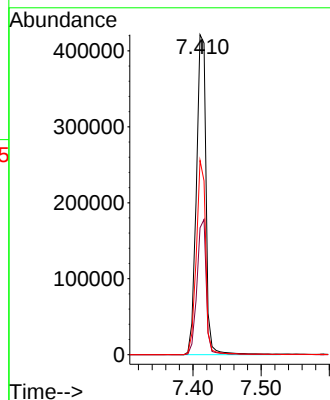
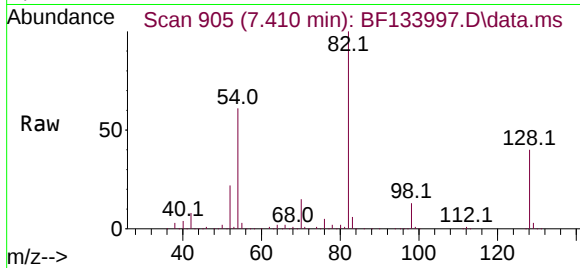
Tgt Ion: 82 Resp: 413533

Ion Ratio Lower Upper

82 100

128 39.7 32.5 48.7

54 60.7 48.2 72.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.892 min Scan# 1327

Delta R.T. 0.000 min

Lab File: BF133997.D

Acq: 27 Jun 2023 18:28

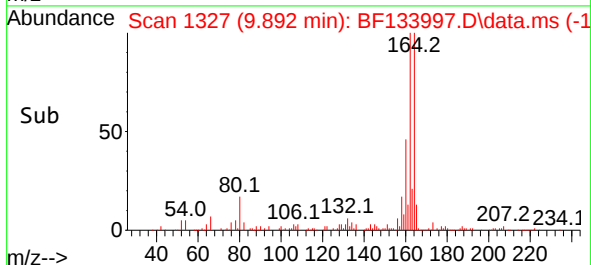
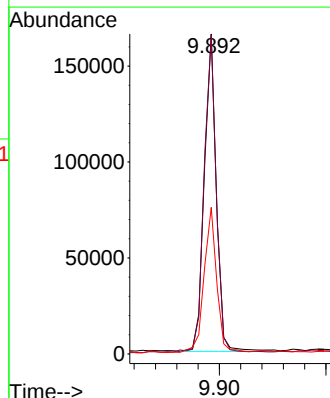
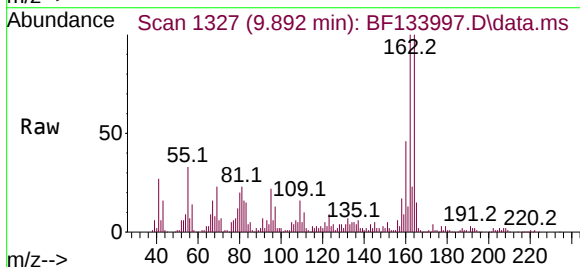
Tgt Ion:164 Resp: 130309

Ion Ratio Lower Upper

164 100

162 99.6 80.0 120.0

160 45.8 35.9 53.9

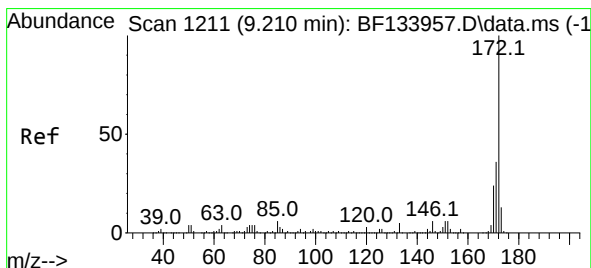
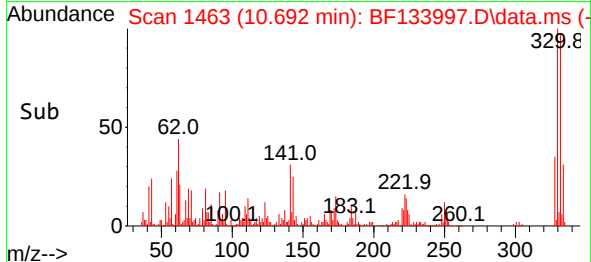
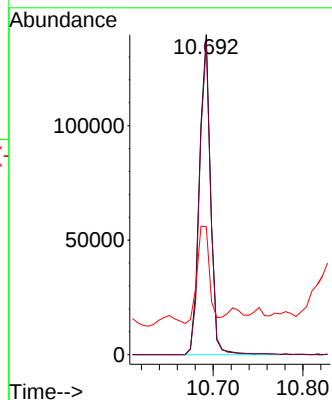
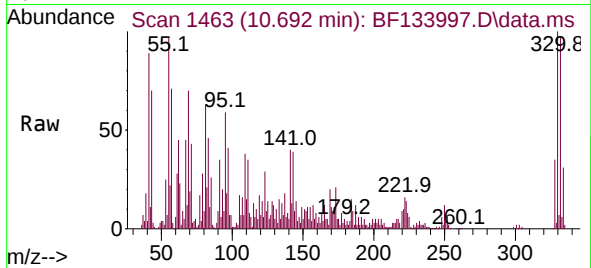




#42
2,4,6-Tribromophenol
Concen: 73.713 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.006 min
Lab File: BF133997.D
Acq: 27 Jun 2023 18:28

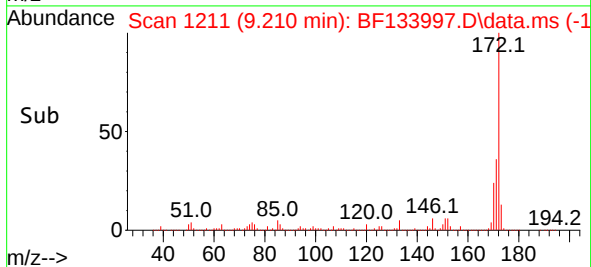
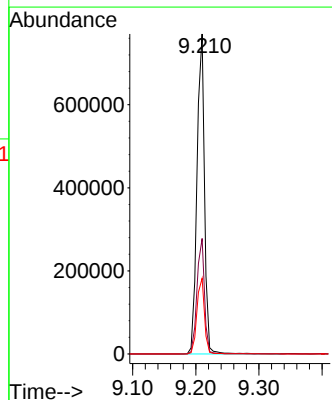
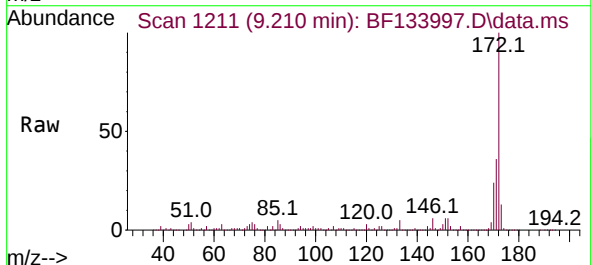
Instrument :
BNA_F
ClientSampleId :
WC-1

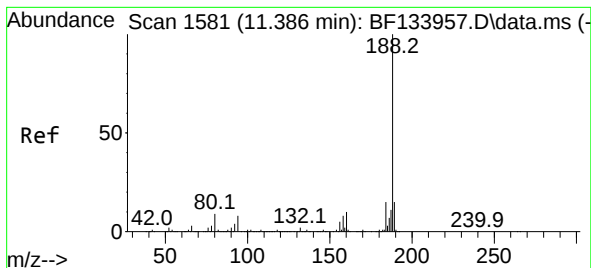
Tgt Ion:330 Resp: 120434
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.6
141 34.3 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 70.891 ng
RT: 9.210 min Scan# 1211
Delta R.T. 0.000 min
Lab File: BF133997.D
Acq: 27 Jun 2023 18:28

Tgt Ion:172 Resp: 635376
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 23.6 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF133997.D

Acq: 27 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

WC-1

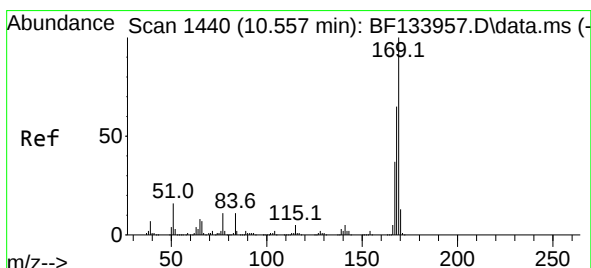
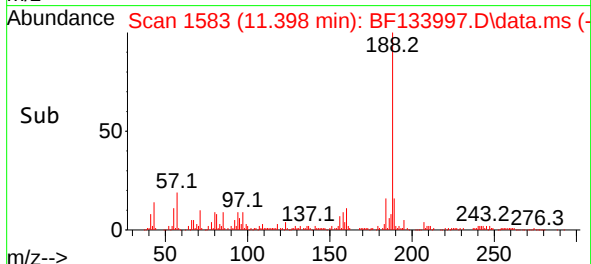
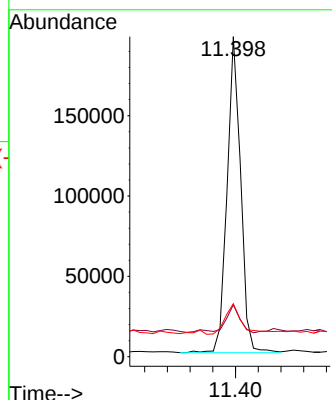
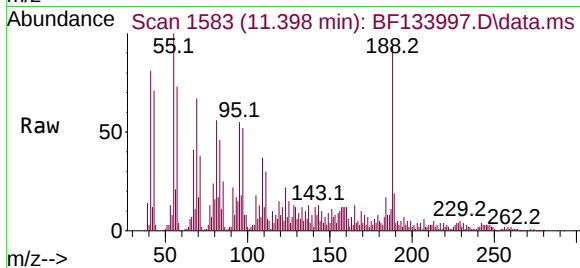
Tgt Ion:188 Resp: 163329

Ion Ratio Lower Upper

188 100

94 16.2 6.4 9.6#

80 16.6 7.3 10.9#



#66

n-Nitrosodiphenylamine

Concen: 7.134 ng

RT: 10.557 min Scan# 1440

Delta R.T. 0.000 min

Lab File: BF133997.D

Acq: 27 Jun 2023 18:28

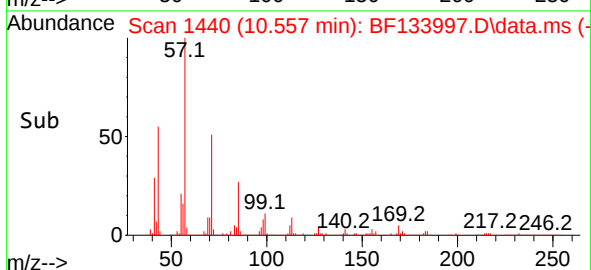
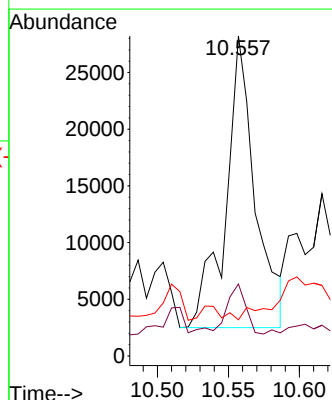
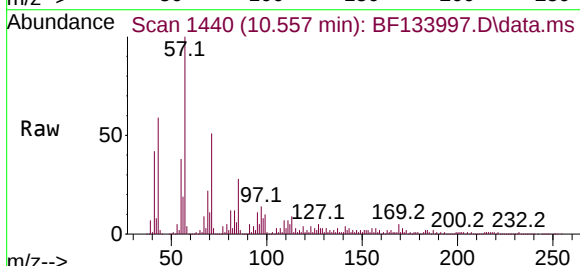
Tgt Ion:169 Resp: 37228

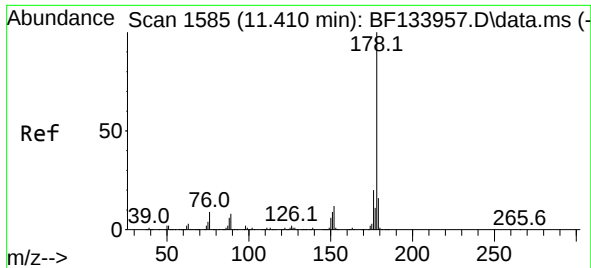
Ion Ratio Lower Upper

169 100

168 22.5 52.3 78.5#

167 11.3 29.4 44.0#

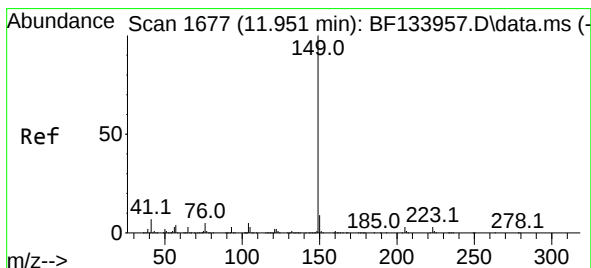
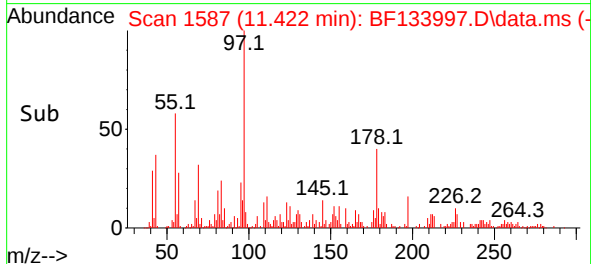
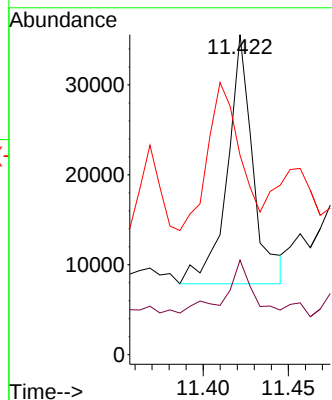
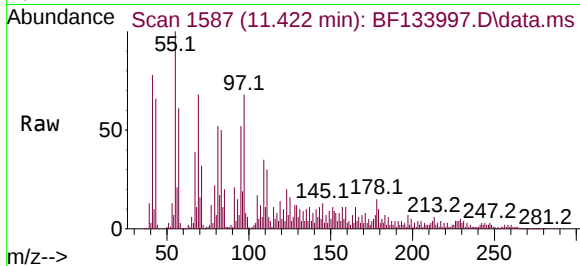




#71
Phenanthrene
Concen: 3.553 ng
RT: 11.422 min Scan# 1585
Delta R.T. 0.012 min
Lab File: BF133997.D
Acq: 27 Jun 2023 18:28

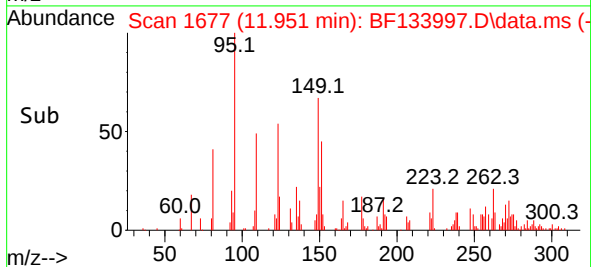
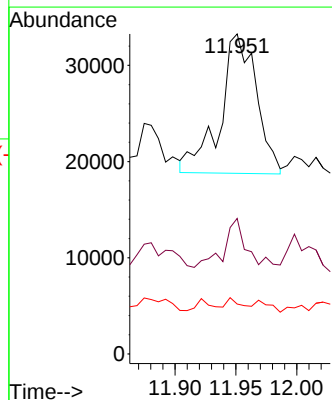
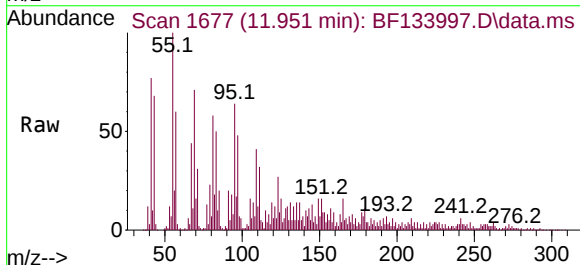
Instrument :
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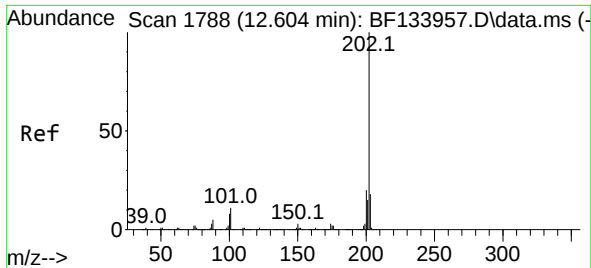
Tgt Ion:178 Resp: 29217
Ion Ratio Lower Upper
178 100
176 29.6 16.0 24.0#
179 62.3 12.4 18.6#



#74
Di-n-butylphthalate
Concen: 3.221 ng
RT: 11.951 min Scan# 1677
Delta R.T. 0.000 min
Lab File: BF133997.D
Acq: 27 Jun 2023 18:28

Tgt Ion:149 Resp: 29984
Ion Ratio Lower Upper
149 100
150 42.3 7.1 10.7#
104 15.6 4.0 6.0#

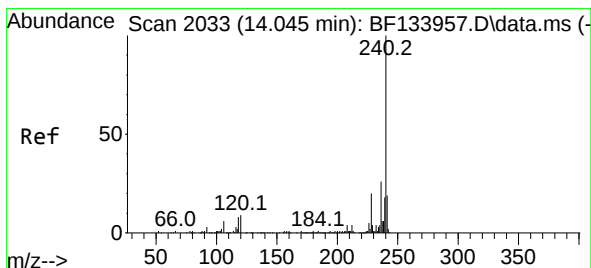
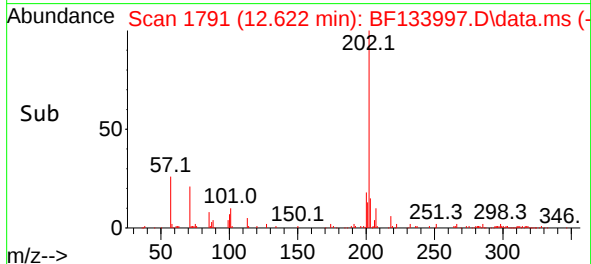
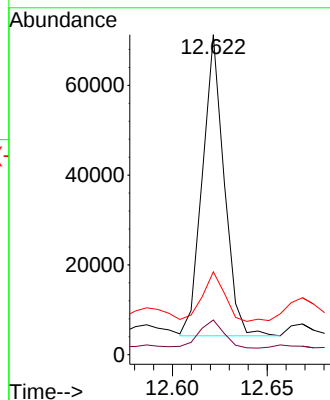
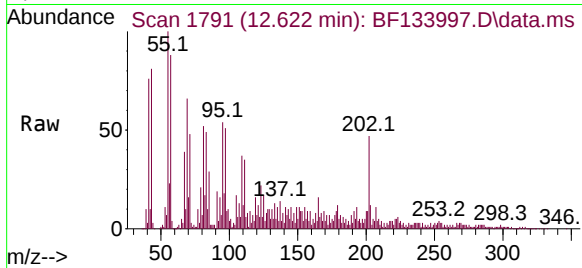




#75
Fluoranthene
Concen: 5.993 ng
RT: 12.622 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF133997.D
Acq: 27 Jun 2023 18:28

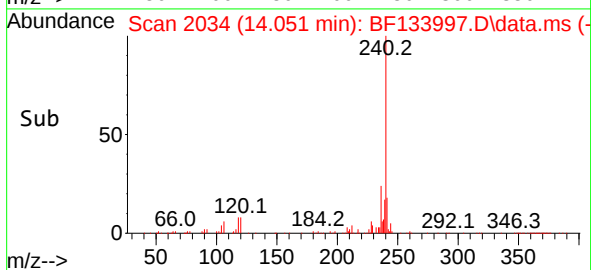
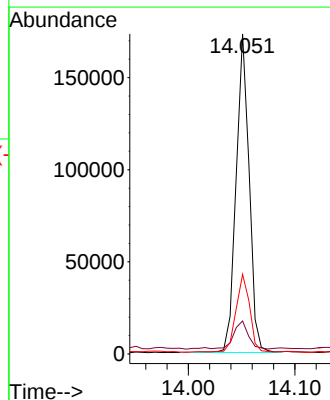
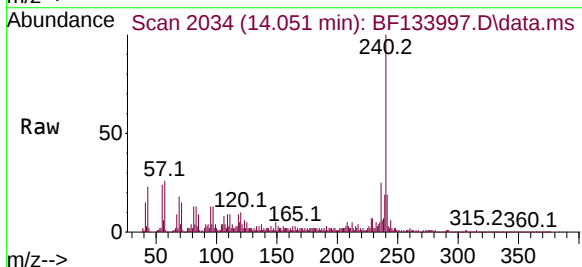
Instrument :
BNA_F
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WC-1

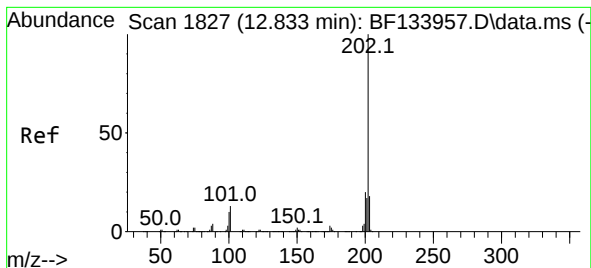
Tgt Ion:202 Resp: 53275
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.0
203 25.9 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF133997.D
Acq: 27 Jun 2023 18:28

Tgt Ion:240 Resp: 147902
Ion Ratio Lower Upper
240 100
120 10.3 7.4 11.0
236 24.9 21.0 31.6





#78

Pyrene

Concen: 3.842 ng

RT: 12.851 min Scan# 1830

Delta R.T. 0.018 min

Lab File: BF133997.D

Acq: 27 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

WC-1

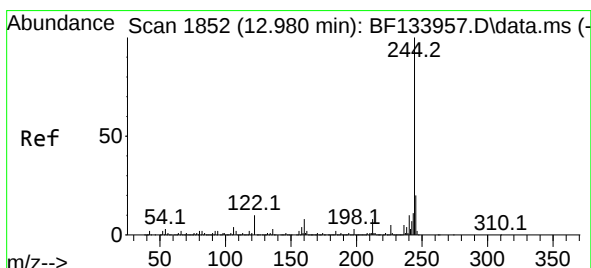
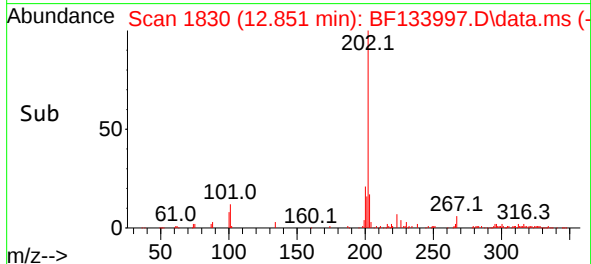
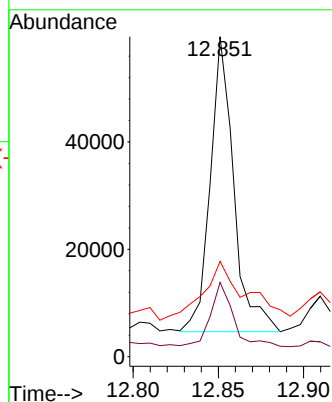
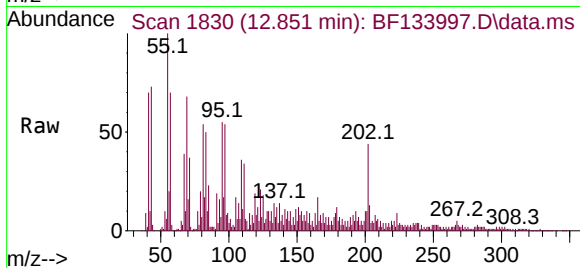
Tgt Ion:202 Resp: 52876

Ion Ratio Lower Upper

202 100

200 23.2 16.1 24.1

203 29.8 14.3 21.5#



#79

Terphenyl-d14

Concen: 47.955 ng

RT: 12.992 min Scan# 1854

Delta R.T. 0.012 min

Lab File: BF133997.D

Acq: 27 Jun 2023 18:28

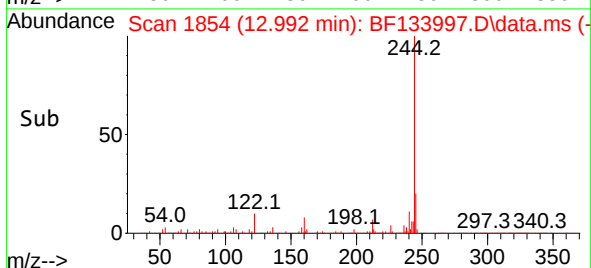
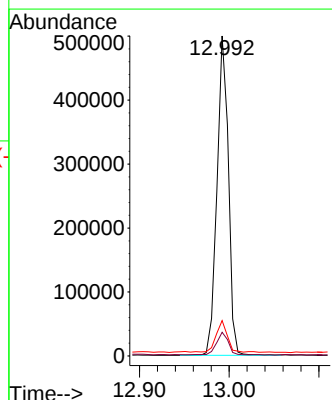
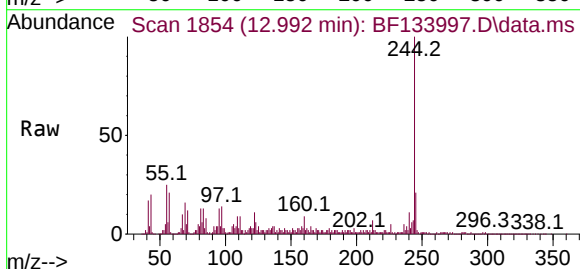
Tgt Ion:244 Resp: 440692

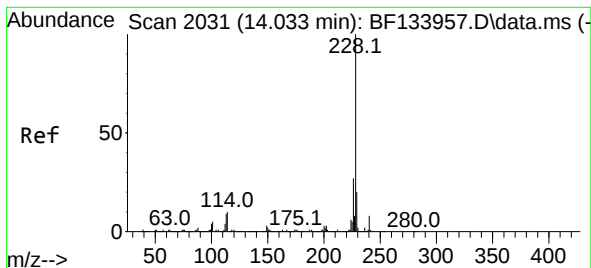
Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 11.0 8.3 12.5





#81

Benzo(a)anthracene

Concen: 3.870 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF133997.D

Acq: 27 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

WC-1

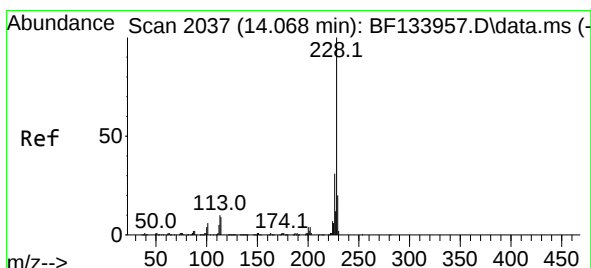
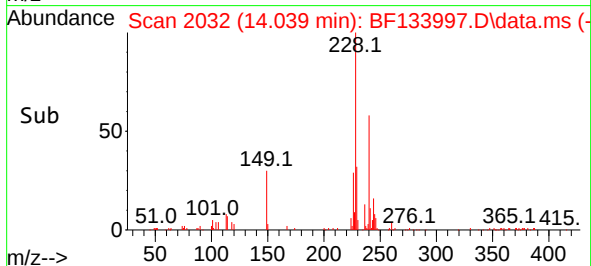
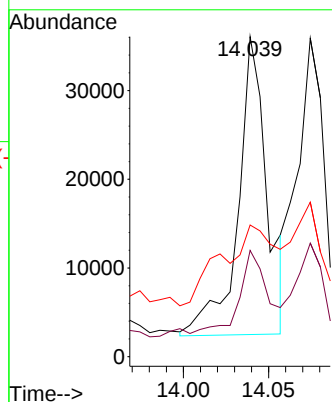
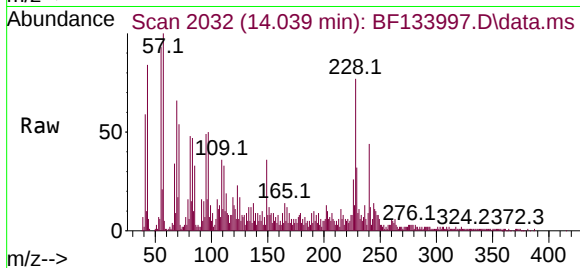
Tgt Ion:228 Resp: 39694

Ion Ratio Lower Upper

228 100

226 33.2 22.0 33.0#

229 41.2 16.3 24.5#



#83

Chrysene

Concen: 3.849 ng

RT: 14.074 min Scan# 2038

Delta R.T. 0.006 min

Lab File: BF133997.D

Acq: 27 Jun 2023 18:28

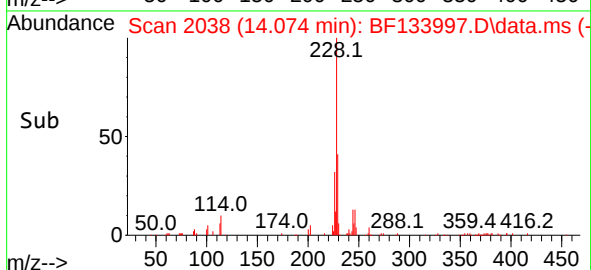
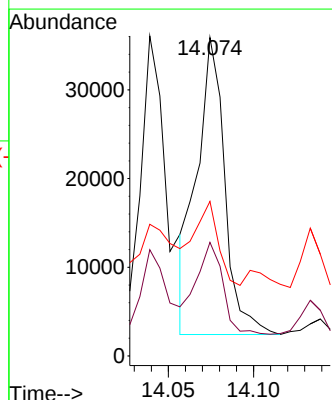
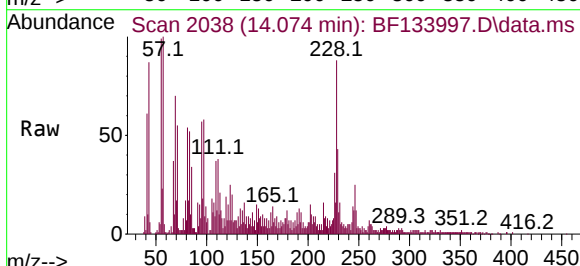
Tgt Ion:228 Resp: 38241

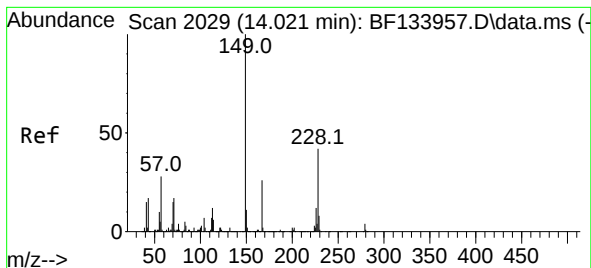
Ion Ratio Lower Upper

228 100

226 35.7 24.4 36.6

229 48.6 16.1 24.1#

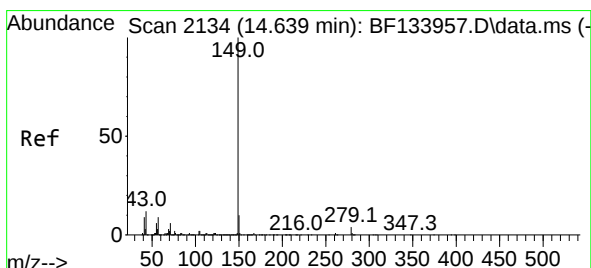
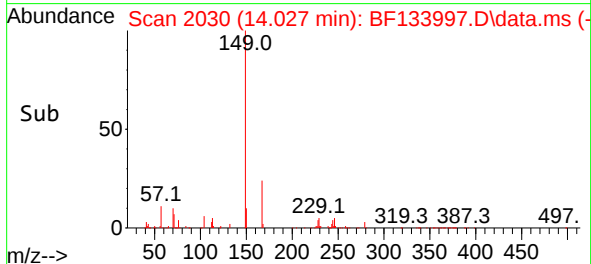
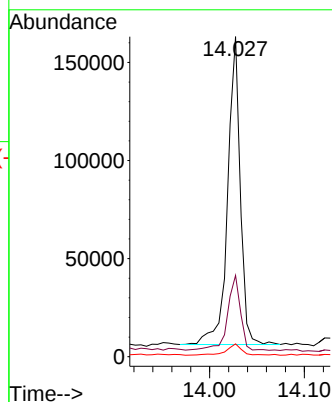
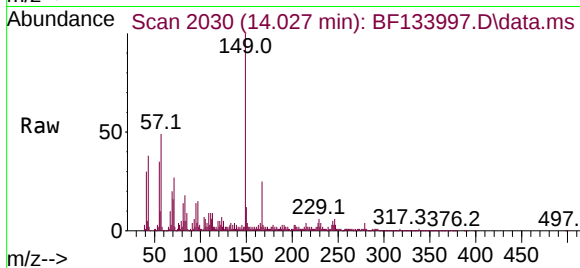




#84
Bis(2-ethylhexyl)phthalate
Concen: 24.664 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF133997.D
Acq: 27 Jun 2023 18:28

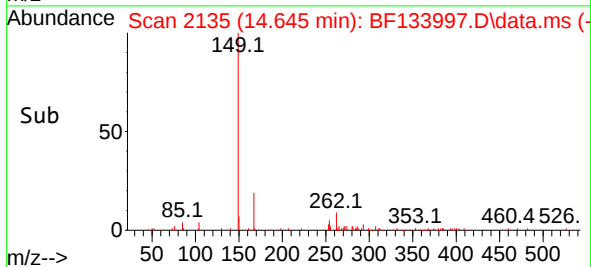
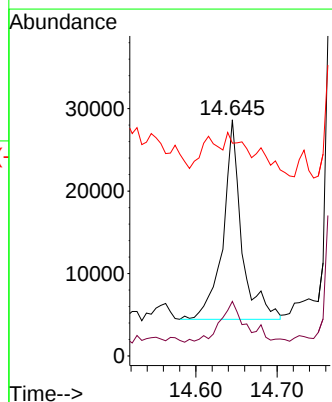
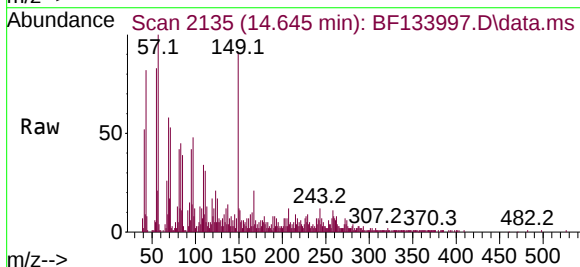
Instrument :
BNA_F
ClientSampleId :
WC-1

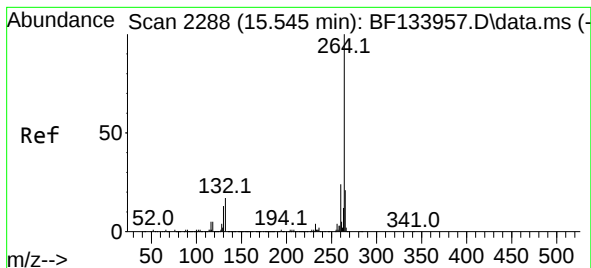
Tgt Ion:149 Resp: 146302
Ion Ratio Lower Upper
149 100
167 25.4 21.0 31.4
279 4.0 3.3 4.9



#85
Di-n-octyl phthalate
Concen: 4.409 ng
RT: 14.645 min Scan# 2135
Delta R.T. 0.006 min
Lab File: BF133997.D
Acq: 27 Jun 2023 18:28

Tgt Ion:149 Resp: 38425
Ion Ratio Lower Upper
149 100
167 29.1 1.3 1.9#
43 0.0 9.0 13.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133997.D

Acq: 27 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

WC-1

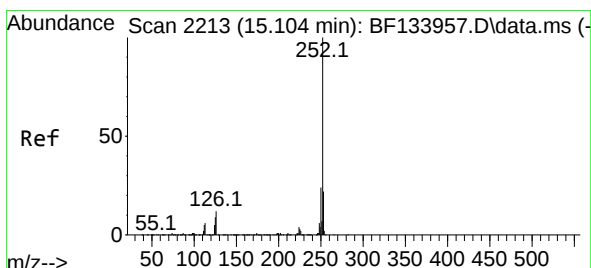
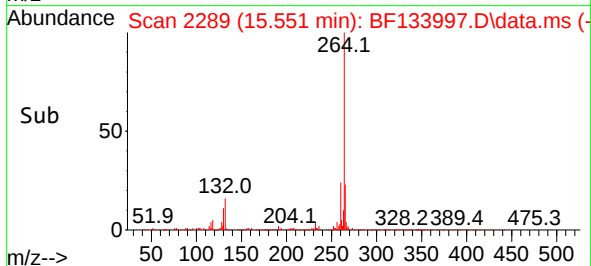
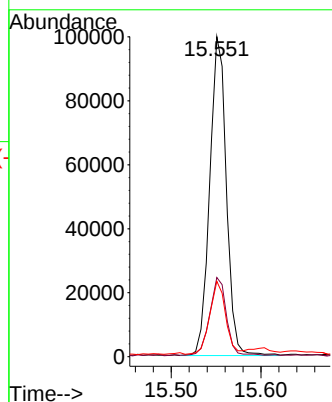
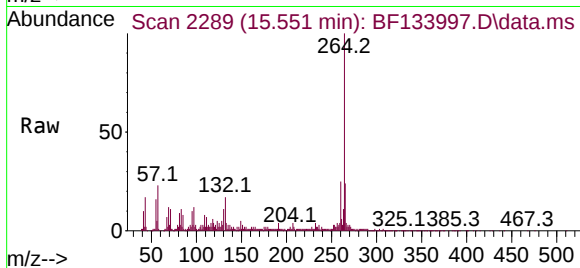
Tgt Ion:264 Resp: 128174

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

265 23.5 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 5.219 ng m

RT: 15.104 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF133997.D

Acq: 27 Jun 2023 18:28

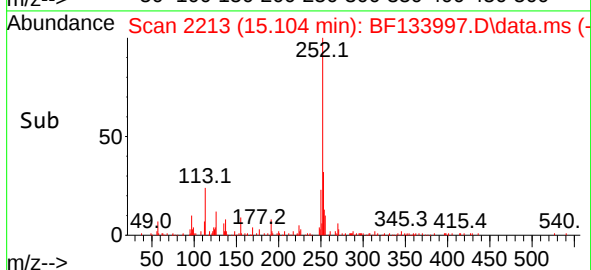
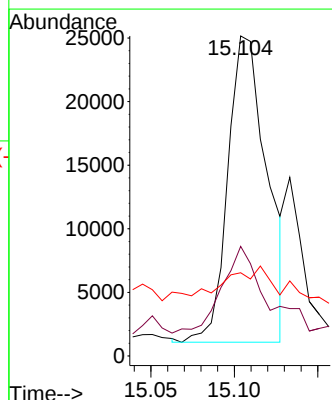
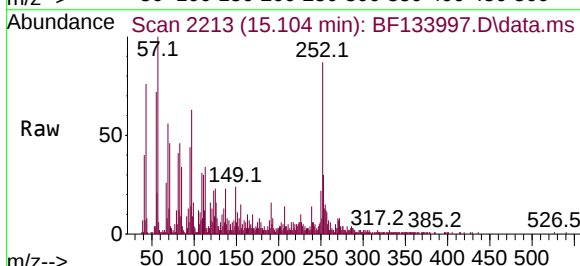
Tgt Ion:252 Resp: 39333

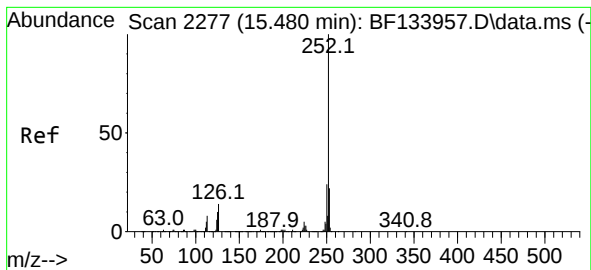
Ion Ratio Lower Upper

252 100

253 34.2 17.4 26.0#

125 26.0 7.1 10.7#





#90

Benzo(a)pyrene

Concen: 3.137 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133997.D

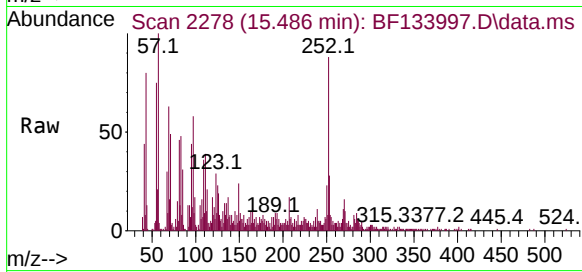
Acq: 27 Jun 2023 18:28

Instrument :

BNA_F

ClientSampleId :

WC-1



Tgt Ion:252 Resp: 22863

Ion Ratio Lower Upper

252 100

253 31.7 17.4 26.0#

125 26.4 8.4 12.6#

