

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
 Data File : BF134078.D
 Acq On : 05 Jul 2023 21:34
 Operator : CG\JU
 Sample : 03474-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jul 06 00:22:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

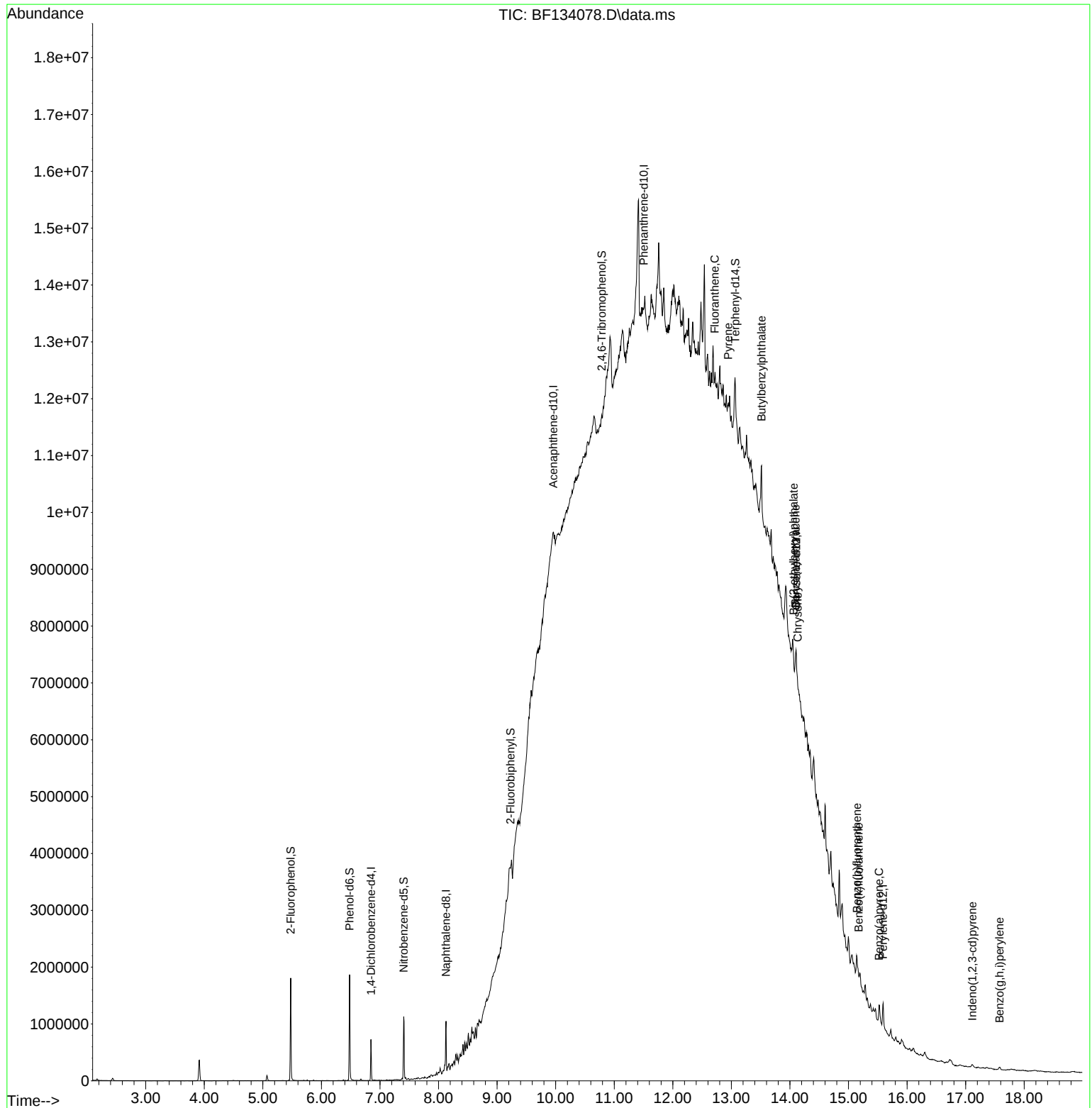
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	98939	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	325100	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	94165	20.000	ng	# 0.06
64) Phenanthrene-d10	11.504	188	102747	20.000	ng	# 0.12
76) Chrysene-d12	14.110	240	154756	20.000	ng	# 0.06
86) Perylene-d12	15.592	264	156003	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	446261	75.450	ng	-0.01
7) Phenol-d6	6.481	99	524397	72.093	ng	-0.01
23) Nitrobenzene-d5	7.404	82	342339	56.764	ng	-0.02
42) 2,4,6-Tribromophenol	10.786	330	75285	63.766	ng	0.10
45) 2-Fluorobiphenyl	9.228	172	484111	74.746	ng	0.02
79) Terphenyl-d14	13.069	244	338736	35.228	ng	0.08
Target Compounds						
75) Fluoranthene	12.716	202	71900m	12.858	ng	Qvalue
78) Pyrene	12.945	202	81600	5.666	ng	# 50
80) Butylbenzylphthalate	13.516	149	294745	54.567	ng	# 96
81) Benzo(a)anthracene	14.098	228	70343	6.554	ng	# 80
83) Chrysene	14.133	228	57053	5.488	ng	# 82
84) Bis(2-ethylhexyl)phtha...	14.063	149	40084	6.458	ng	# 65
87) Indeno(1,2,3-cd)pyrene	17.115	276	36264	3.350	ng	97
88) Benzo(b)fluoranthene	15.145	252	86160m	9.393	ng	
89) Benzo(k)fluoranthene	15.174	252	23892m	2.558	ng	
90) Benzo(a)pyrene	15.521	252	57250	6.454	ng	# 73
92) Benzo(g,h,i)perylene	17.580	276	40399	4.431	ng	95

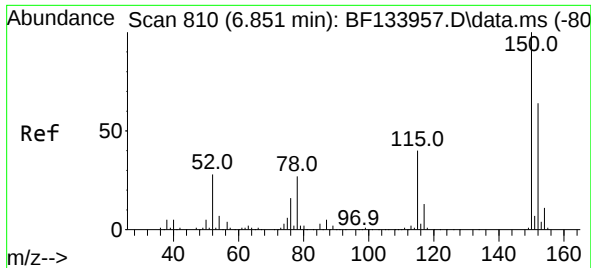
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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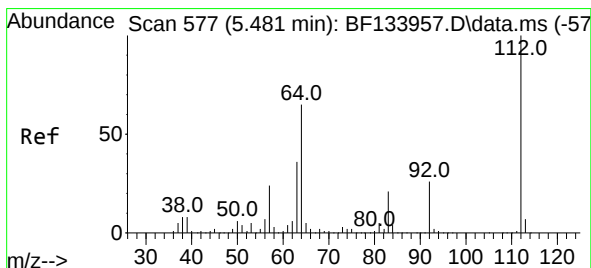
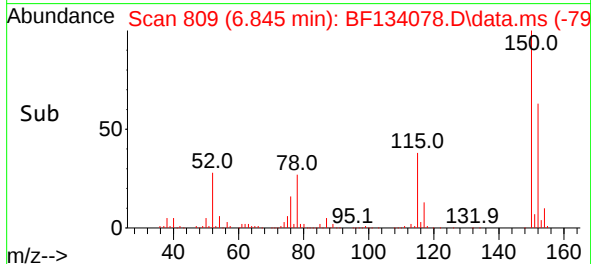
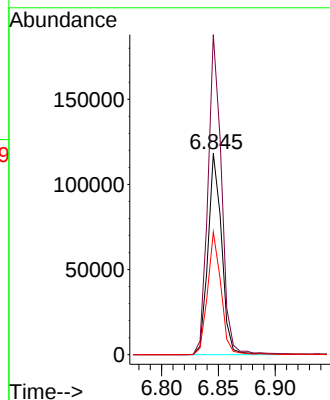
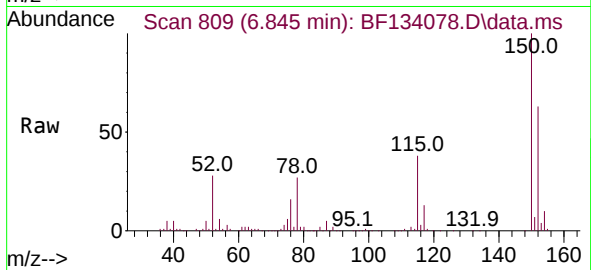




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134078.D
Acq: 05 Jul 2023 21:34

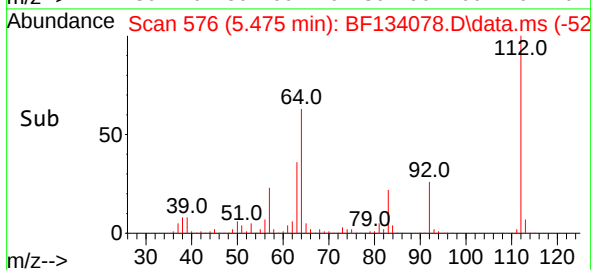
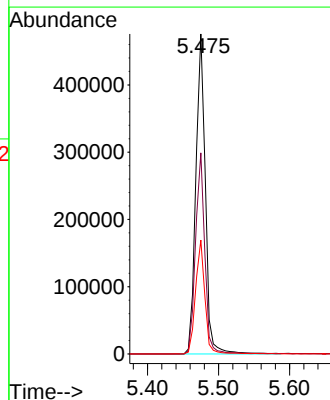
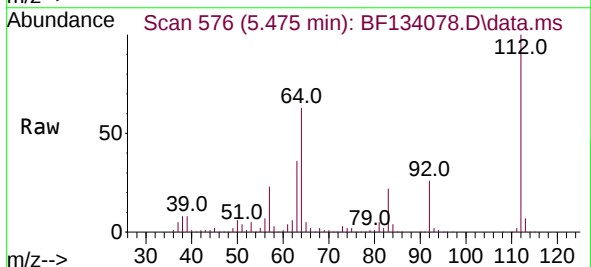
Instrument :
BNA_F
ClientSampleId :
WC-1

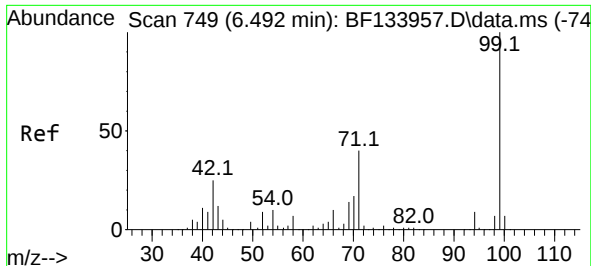
Tgt Ion:152 Resp: 98939
Ion Ratio Lower Upper
152 100
150 159.0 124.5 186.7
115 61.0 50.2 75.2



#5
2-Fluorophenol
Concen: 75.450 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF134078.D
Acq: 05 Jul 2023 21:34

Tgt Ion:112 Resp: 446261
Ion Ratio Lower Upper
112 100
64 62.8 52.1 78.1
63 35.6 28.6 42.8

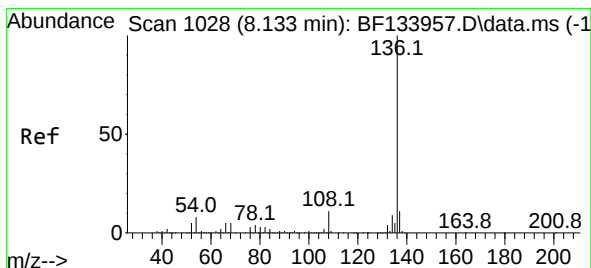
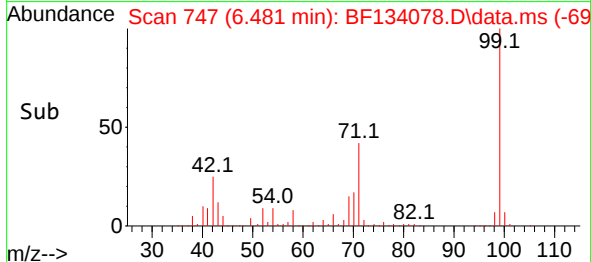
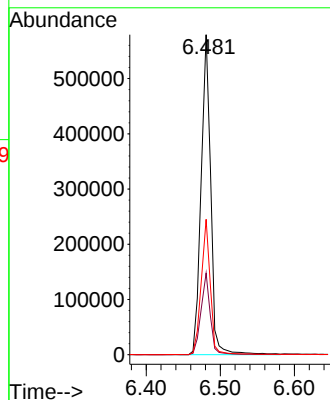
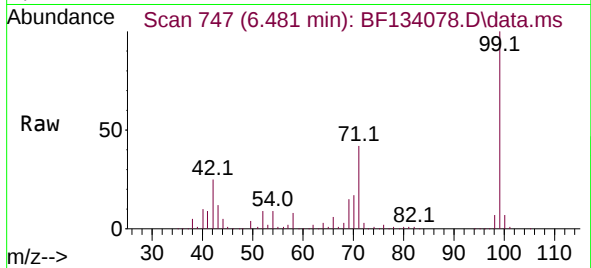




#7
Phenol-d6
Concen: 72.093 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134078.D
Acq: 05 Jul 2023 21:34

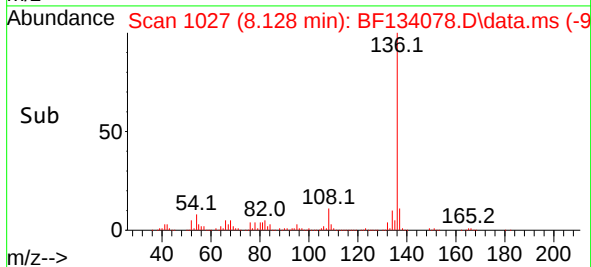
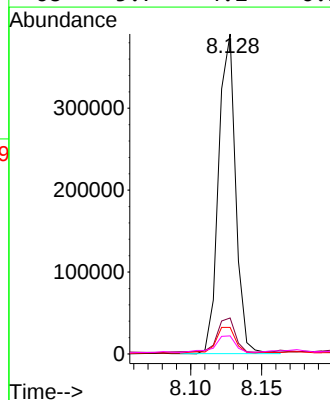
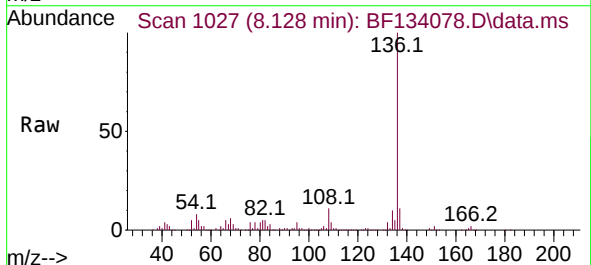
Instrument :
BNA_F
ClientSampleId :
WC-1

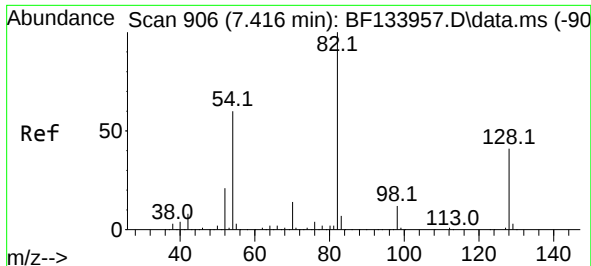
Tgt Ion: 99 Resp: 524397
Ion Ratio Lower Upper
99 100
42 25.5 19.8 29.6
71 42.3 31.9 47.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134078.D
Acq: 05 Jul 2023 21:34

Tgt Ion: 136 Resp: 325100
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 8.3 6.5 9.7
68 5.7 4.2 6.2





#23

Nitrobenzene-d5

Concen: 56.764 ng

RT: 7.404 min Scan# 906

Delta R.T. -0.018 min

Lab File: BF134078.D

Acq: 05 Jul 2023 21:34

Instrument :

BNA_F

ClientSampleId :

WC-1

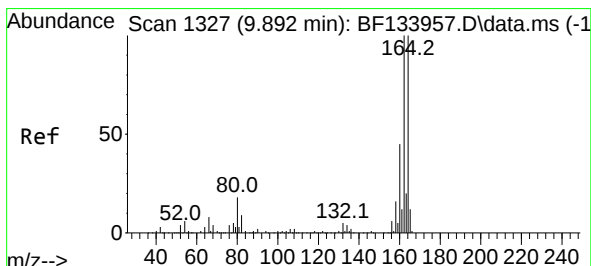
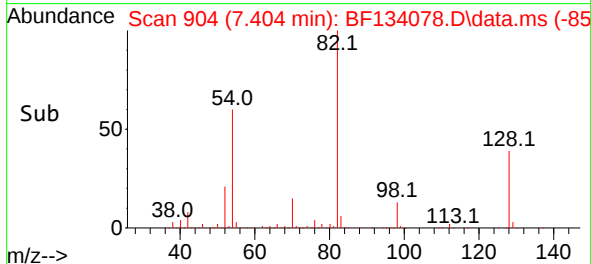
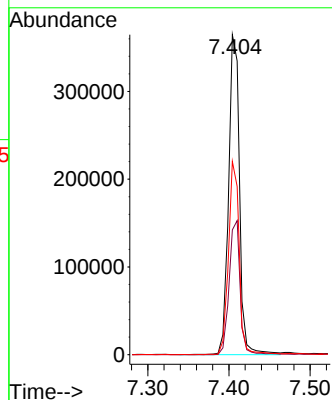
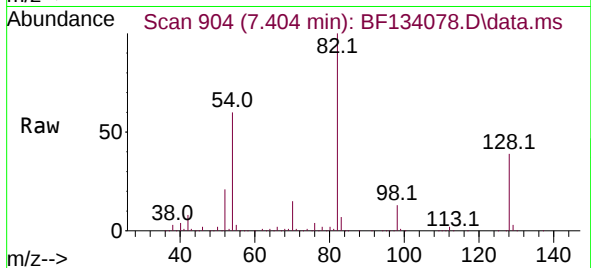
Tgt Ion: 82 Resp: 342339

Ion Ratio Lower Upper

82 100

128 39.0 32.5 48.7

54 60.4 48.2 72.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.957 min Scan# 1338

Delta R.T. 0.065 min

Lab File: BF134078.D

Acq: 05 Jul 2023 21:34

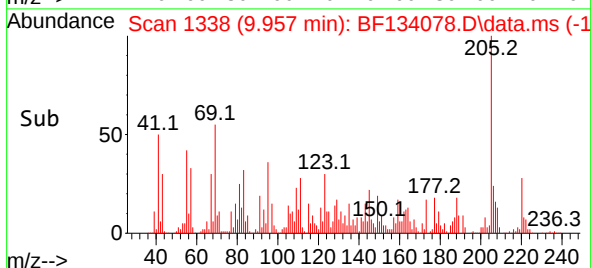
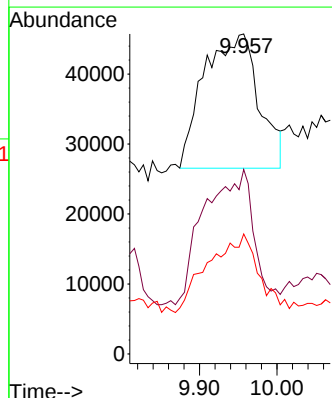
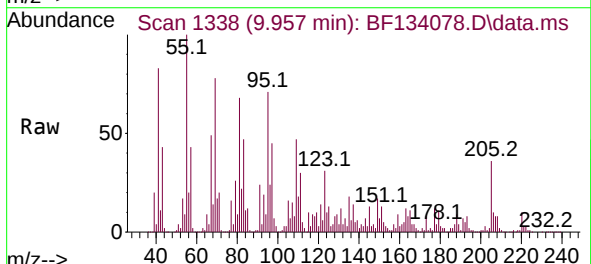
Tgt Ion:164 Resp: 94165

Ion Ratio Lower Upper

164 100

162 57.7 80.0 120.0#

160 37.5 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 63.766 ng

RT: 10.786 min Scan# 1462

Delta R.T. 0.100 min

Lab File: BF134078.D

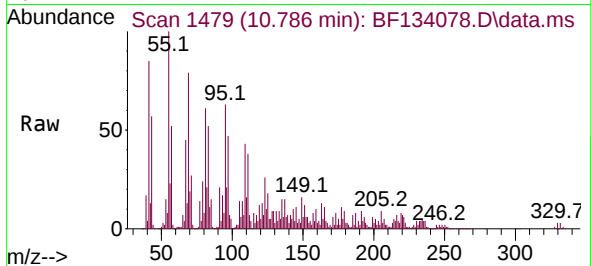
Acq: 05 Jul 2023 21:34

Instrument :

BNA_F

ClientSampleId :

WC-1



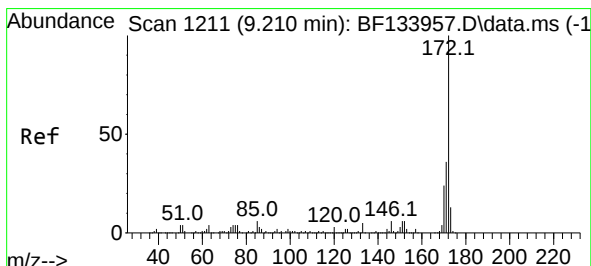
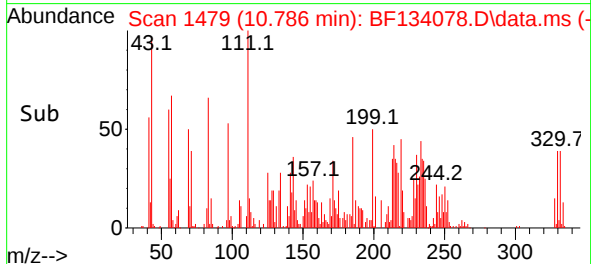
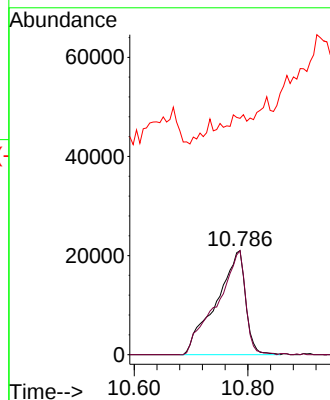
Tgt Ion:330 Resp: 75285

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

141 0.0 26.3 39.5#



#45

2-Fluorobiphenyl

Concen: 74.746 ng

RT: 9.228 min Scan# 1214

Delta R.T. 0.018 min

Lab File: BF134078.D

Acq: 05 Jul 2023 21:34

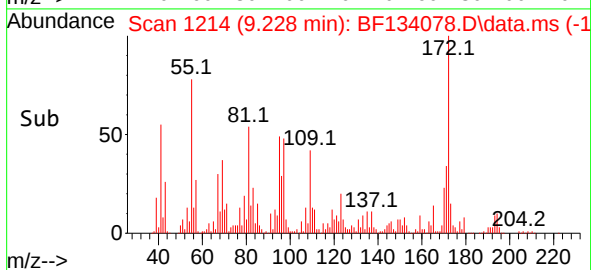
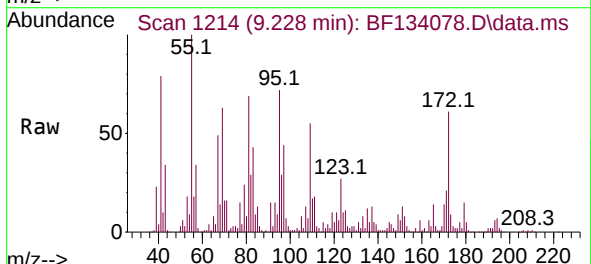
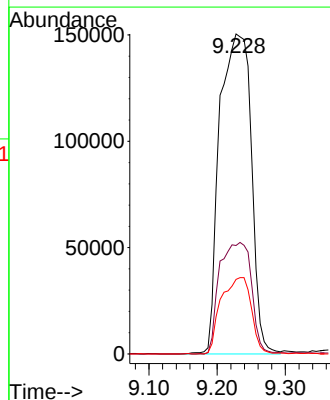
Tgt Ion:172 Resp: 484111

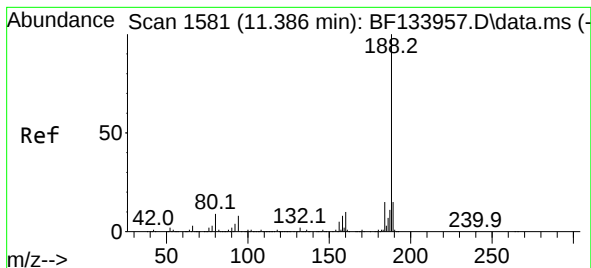
Ion Ratio Lower Upper

172 100

171 33.9 28.6 43.0

170 23.3 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.504 min Scan# 1

Delta R.T. 0.118 min

Lab File: BF134078.D

Acq: 05 Jul 2023 21:34

Instrument :

BNA_F

ClientSampleId :

WC-1

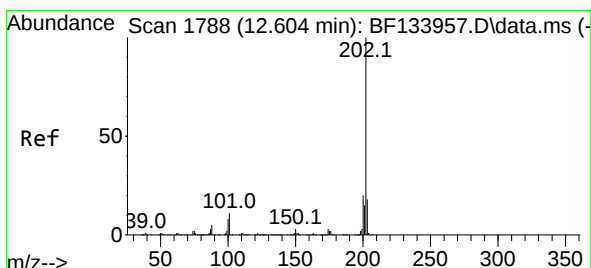
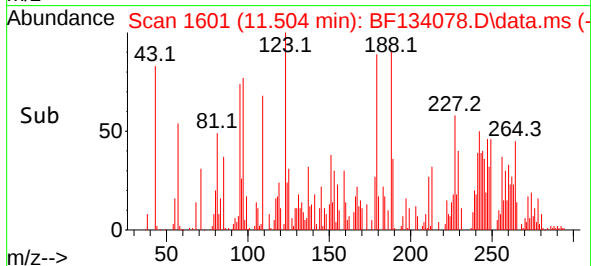
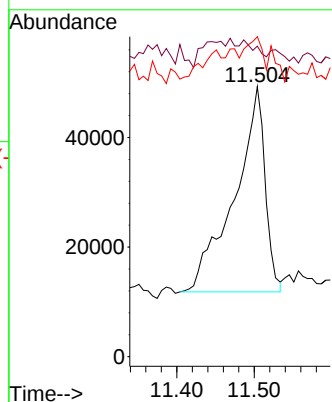
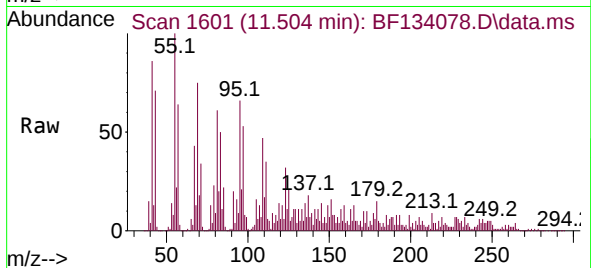
Tgt Ion:188 Resp: 102747

Ion Ratio Lower Upper

188 100

94 115.0 6.4 9.6#

80 118.5 7.3 10.9#



#75

Fluoranthene

Concen: 12.858 ng m

RT: 12.716 min Scan# 1807

Delta R.T. 0.106 min

Lab File: BF134078.D

Acq: 05 Jul 2023 21:34

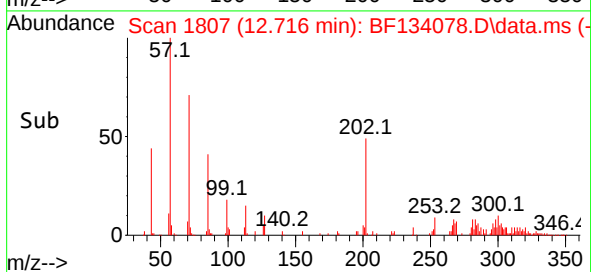
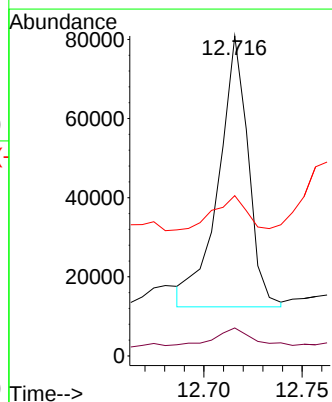
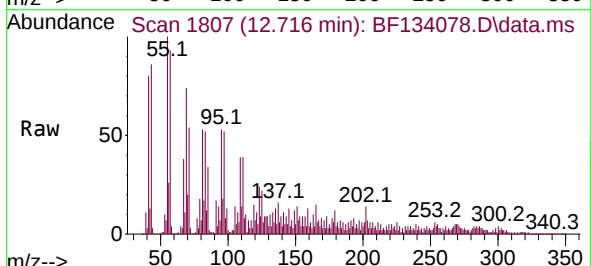
Tgt Ion:202 Resp: 71900

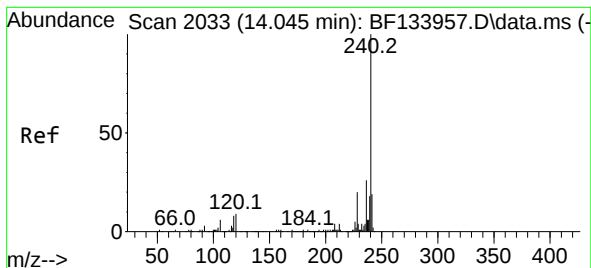
Ion Ratio Lower Upper

202 100

101 8.8 0.0 31.0

203 50.1 0.0 37.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.110 min Scan# 2033

Delta R.T. 0.059 min

Lab File: BF134078.D

Acq: 05 Jul 2023 21:34

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ClientSampleId :

WC-1

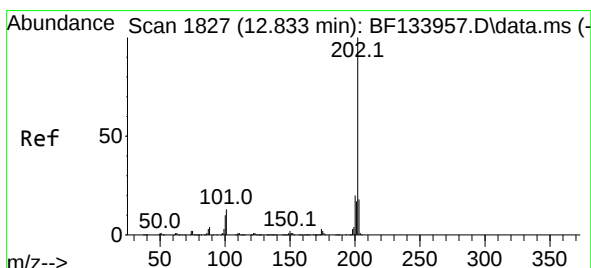
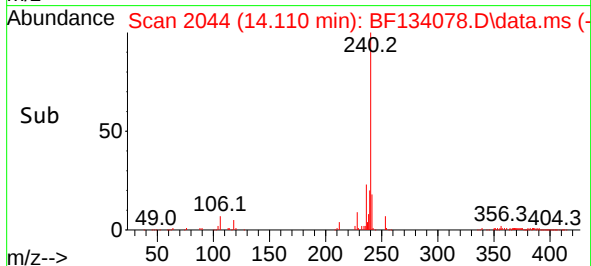
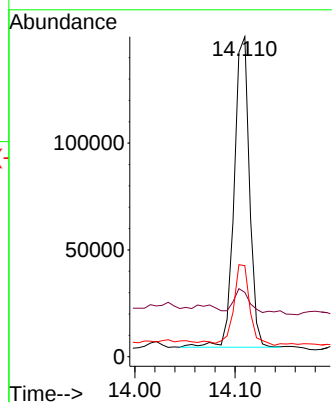
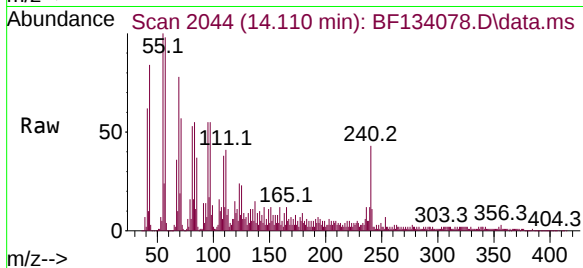
Tgt Ion:240 Resp: 154756

Ion Ratio Lower Upper

240 100

120 20.1 7.4 11.0#

236 28.5 21.0 31.6



#78

Pyrene

Concen: 5.666 ng

RT: 12.945 min Scan# 1846

Delta R.T. 0.106 min

Lab File: BF134078.D

Acq: 05 Jul 2023 21:34

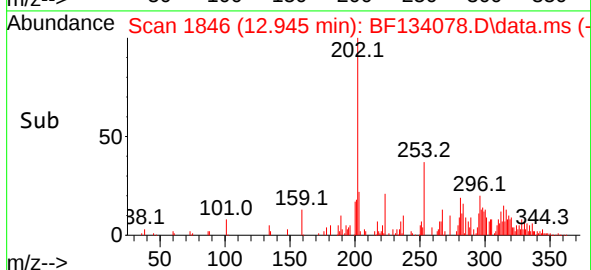
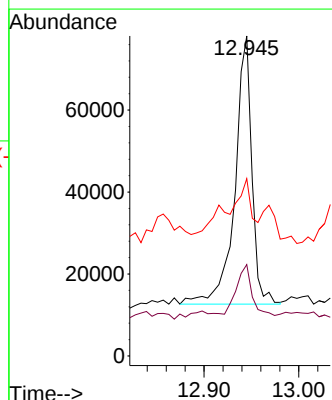
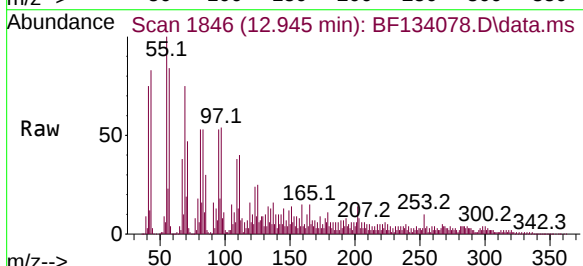
Tgt Ion:202 Resp: 81600

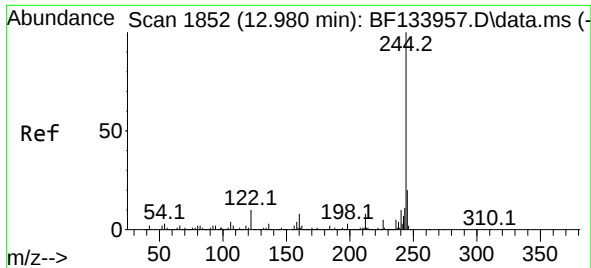
Ion Ratio Lower Upper

202 100

200 28.5 16.1 24.1#

203 55.4 14.3 21.5#

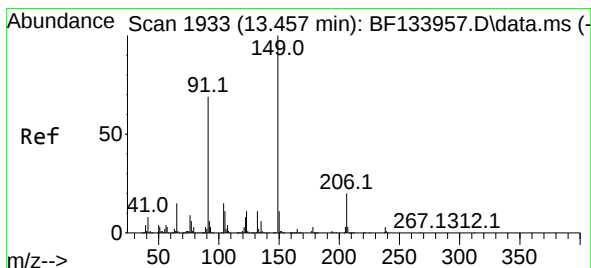
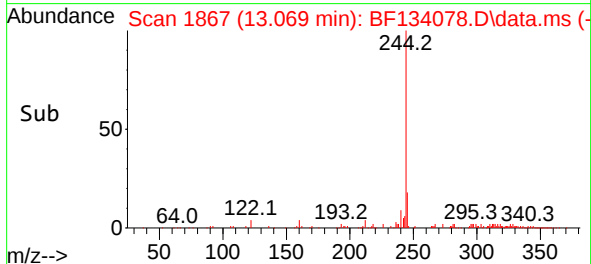
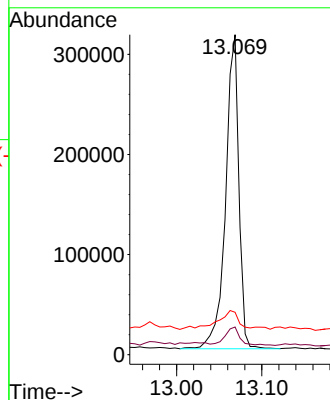
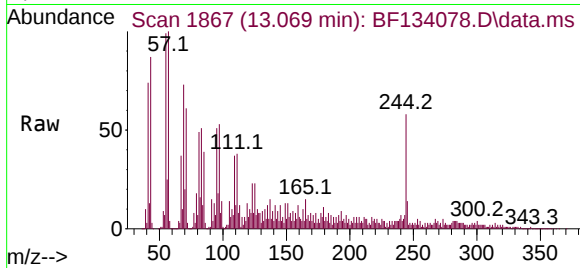




#79
 Terphenyl-d14
 Concen: 35.228 ng
 RT: 13.069 min Scan# 11
 Delta R.T. 0.082 min
 Lab File: BF134078.D
 Acq: 05 Jul 2023 21:34

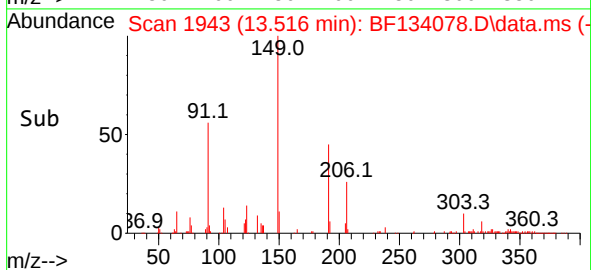
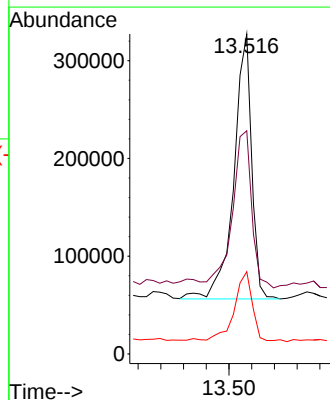
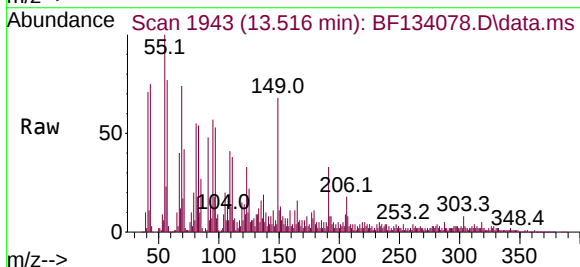
Instrument :
 BNA_F
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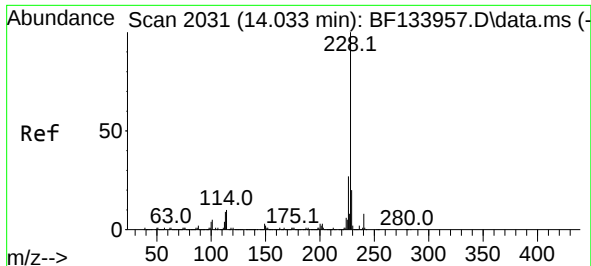
Tgt Ion:244 Resp: 338736
 Ion Ratio Lower Upper
 244 100
 212 8.7 6.0 9.0
 122 13.2 8.3 12.5#



#80
 Butylbenzylphthalate
 Concen: 54.567 ng
 RT: 13.516 min Scan# 1943
 Delta R.T. 0.059 min
 Lab File: BF134078.D
 Acq: 05 Jul 2023 21:34

Tgt Ion:149 Resp: 294745
 Ion Ratio Lower Upper
 149 100
 91 69.8 55.1 82.7
 206 25.7 15.7 23.5#

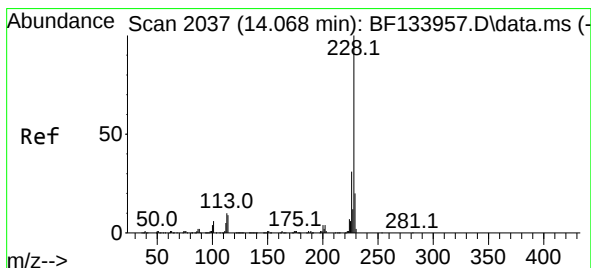
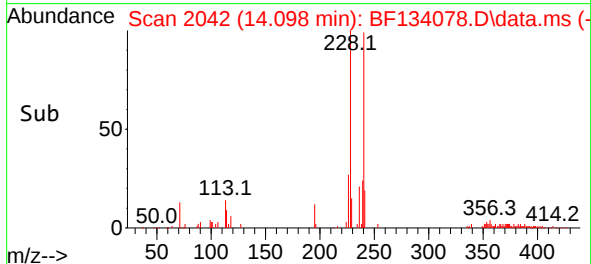
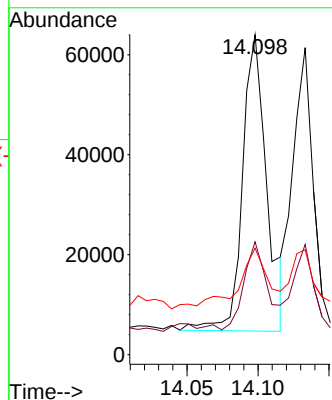
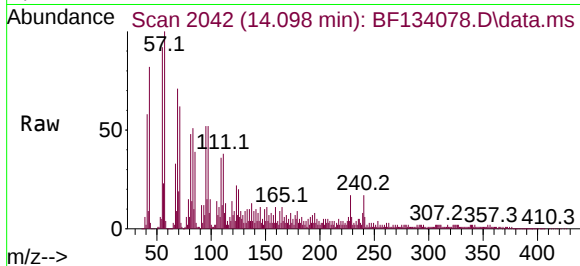




#81
Benzo(a)anthracene
Concen: 6.554 ng
RT: 14.098 min Scan# 2042
Delta R.T. 0.059 min
Lab File: BF134078.D
Acq: 05 Jul 2023 21:34

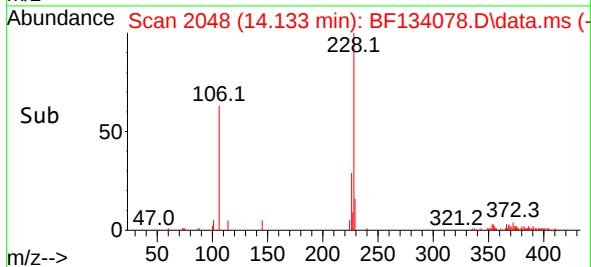
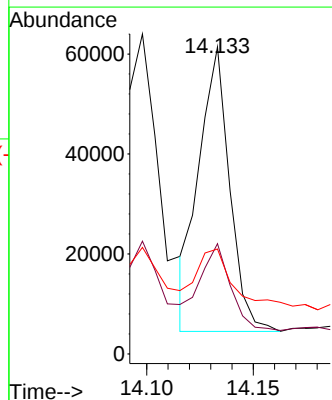
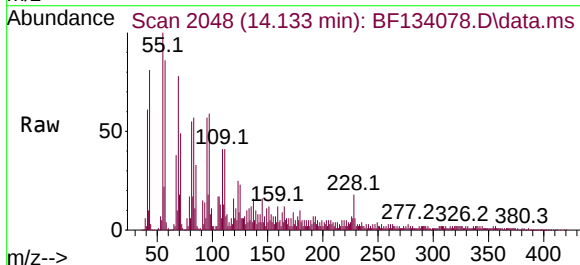
Instrument :
BNA_F
ClientSampleId :
WC-1

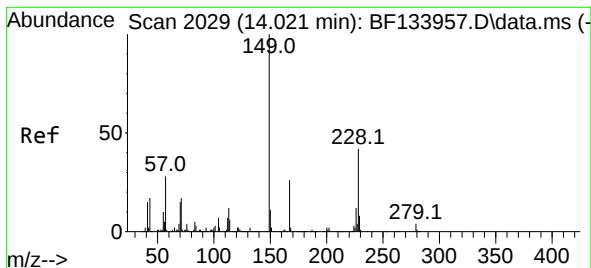
Tgt Ion:228 Resp: 70343
Ion Ratio Lower Upper
228 100
226 35.3 22.0 33.0#
229 33.3 16.3 24.5#



#83
Chrysene
Concen: 5.488 ng
RT: 14.133 min Scan# 2048
Delta R.T. 0.059 min
Lab File: BF134078.D
Acq: 05 Jul 2023 21:34

Tgt Ion:228 Resp: 57053
Ion Ratio Lower Upper
228 100
226 35.9 24.4 36.6
229 34.2 16.1 24.1#





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.458 ng

RT: 14.063 min Scan# 2029

Delta R.T. 0.041 min

Lab File: BF134078.D

Acq: 05 Jul 2023 21:34

Instrument :

BNA_F

ClientSampleId :

WC-1

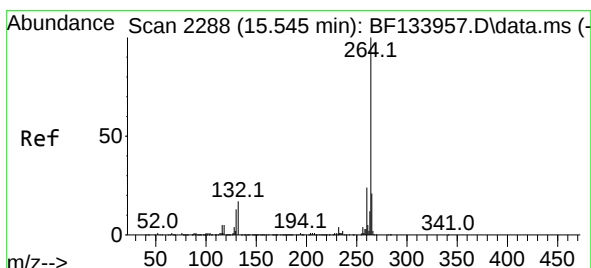
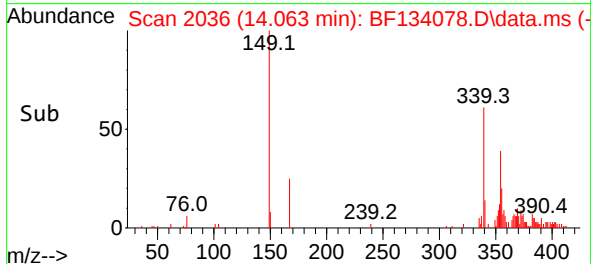
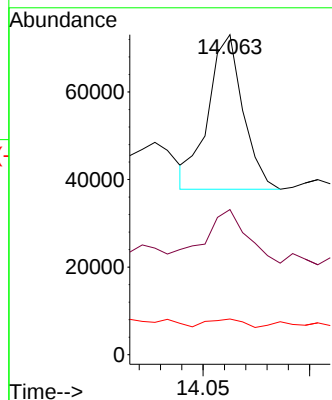
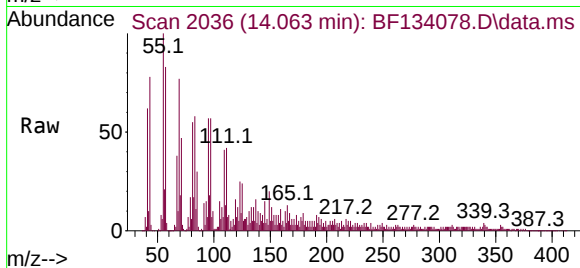
Tgt Ion:149 Resp: 40084

Ion Ratio Lower Upper

149 100

167 45.4 21.0 31.4#

279 11.1 3.3 4.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2296

Delta R.T. 0.041 min

Lab File: BF134078.D

Acq: 05 Jul 2023 21:34

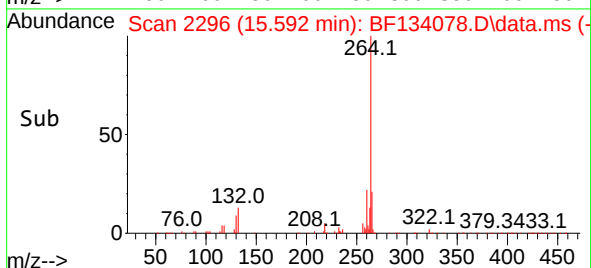
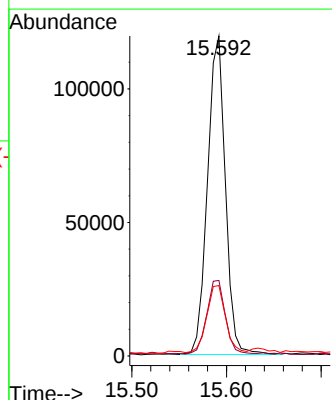
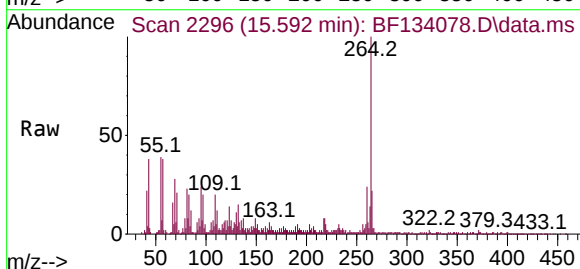
Tgt Ion:264 Resp: 156003

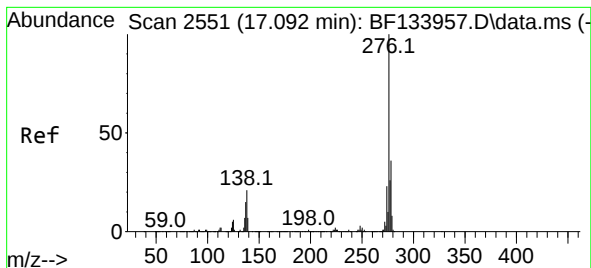
Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

265 22.0 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.350 ng

RT: 17.115 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134078.D

Acq: 05 Jul 2023 21:34

Instrument :

BNA_F

ClientSampleId :

WC-1

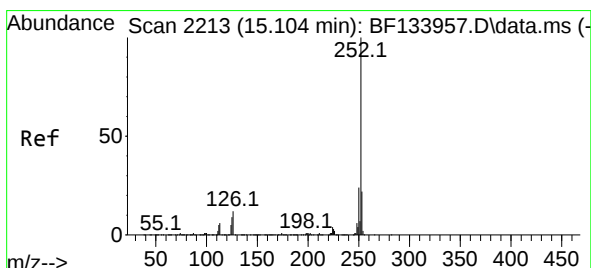
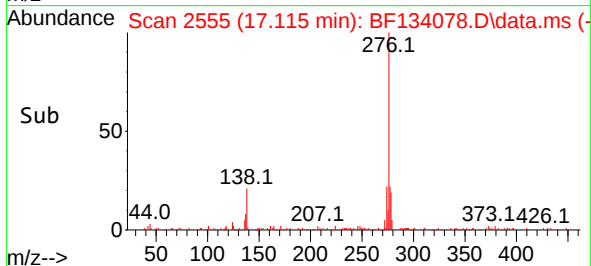
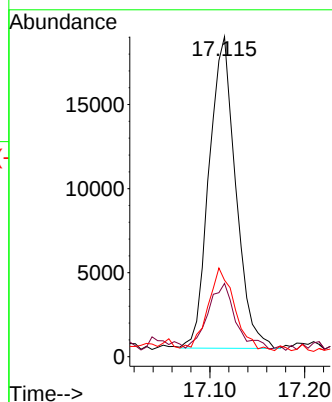
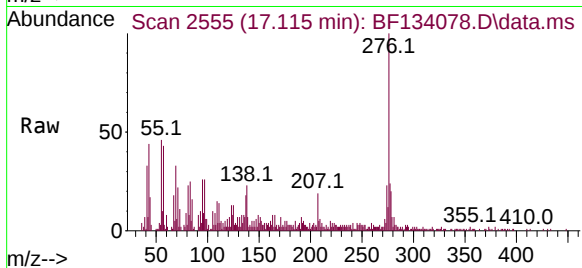
Tgt Ion:276 Resp: 36264

Ion Ratio Lower Upper

276 100

138 22.7 18.7 28.1

277 27.0 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 9.393 ng m

RT: 15.145 min Scan# 2220

Delta R.T. 0.035 min

Lab File: BF134078.D

Acq: 05 Jul 2023 21:34

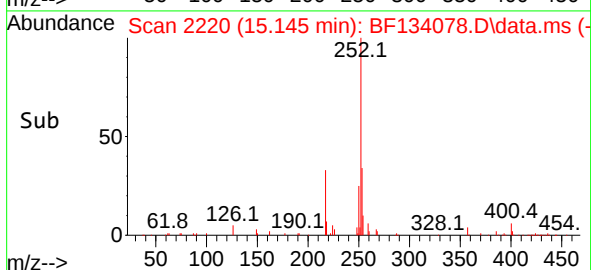
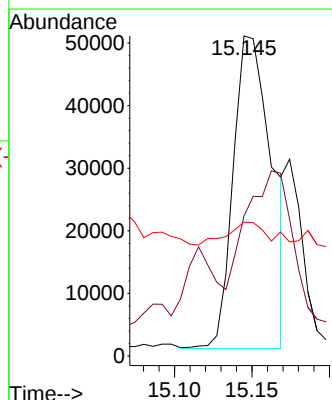
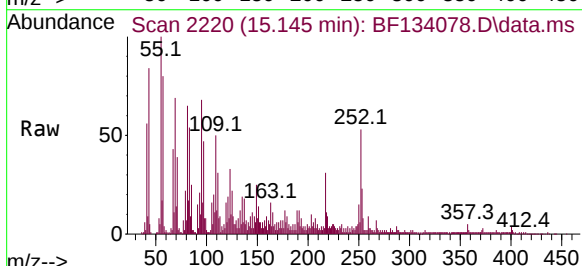
Tgt Ion:252 Resp: 86160

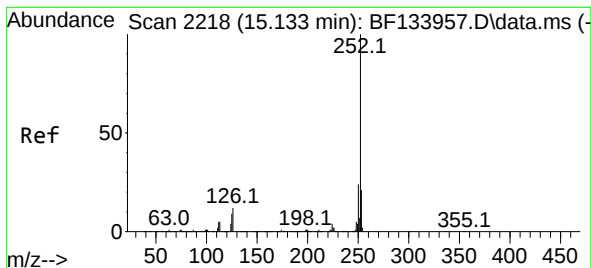
Ion Ratio Lower Upper

252 100

253 43.8 17.4 26.0#

125 41.8 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 2.558 ng m

RT: 15.174 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF134078.D

Acq: 05 Jul 2023 21:34

Instrument :

BNA_F

ClientSampleId :

WC-1

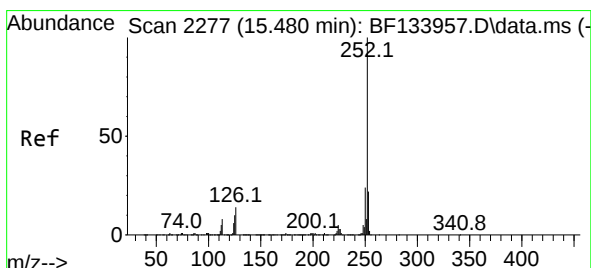
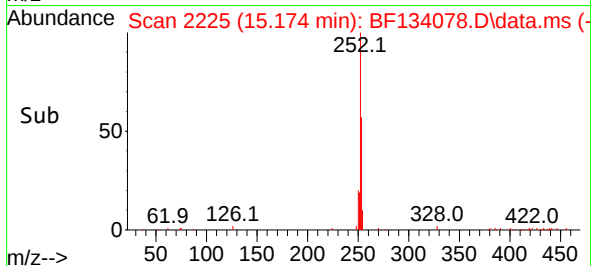
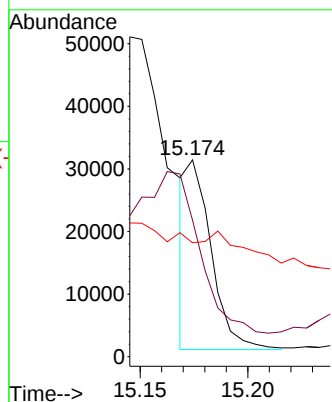
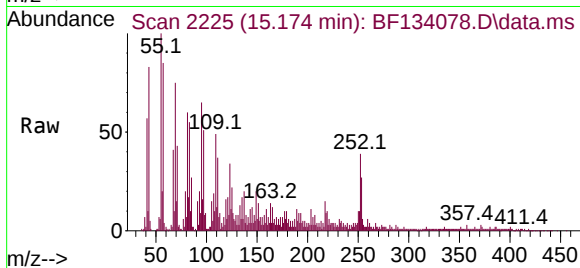
Tgt Ion:252 Resp: 23892

Ion Ratio Lower Upper

252 100

253 69.4 16.9 25.3#

125 57.9 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 6.454 ng

RT: 15.521 min Scan# 2284

Delta R.T. 0.029 min

Lab File: BF134078.D

Acq: 05 Jul 2023 21:34

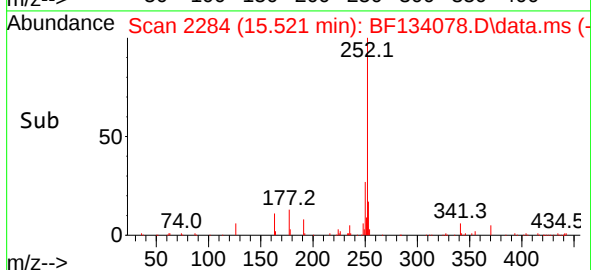
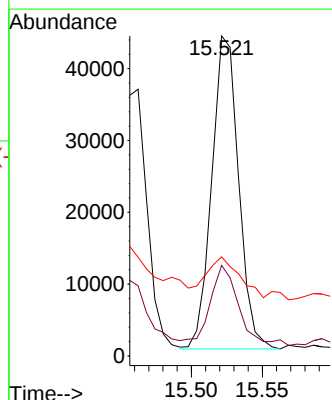
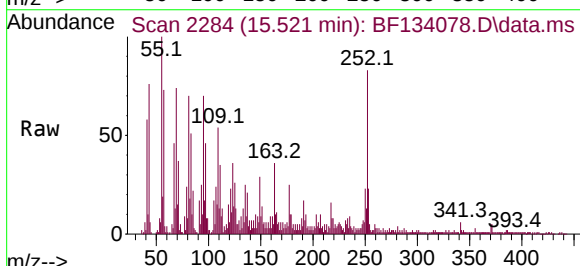
Tgt Ion:252 Resp: 57250

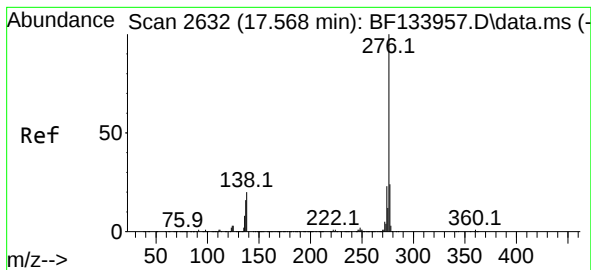
Ion Ratio Lower Upper

252 100

253 28.3 17.4 26.0#

125 30.9 8.4 12.6#





#92

Benzo(g,h,i)perylene

Concen: 4.431 ng

RT: 17.580 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134078.D

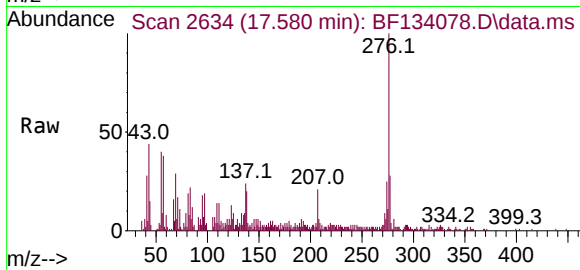
Acq: 05 Jul 2023 21:34

Instrument :

BNA_F

ClientSampleId :

WC-1



Tgt Ion:276 Resp: 40399

Ion Ratio Lower Upper

276 100

277 28.0 19.0 28.6

138 19.6 16.2 24.2

