

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF133998.D
 Acq On : 27 Jun 2023 19:03
 Operator : CG\JU
 Sample : 03402-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP1-0623

Quant Time: Jun 28 01:30:25 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

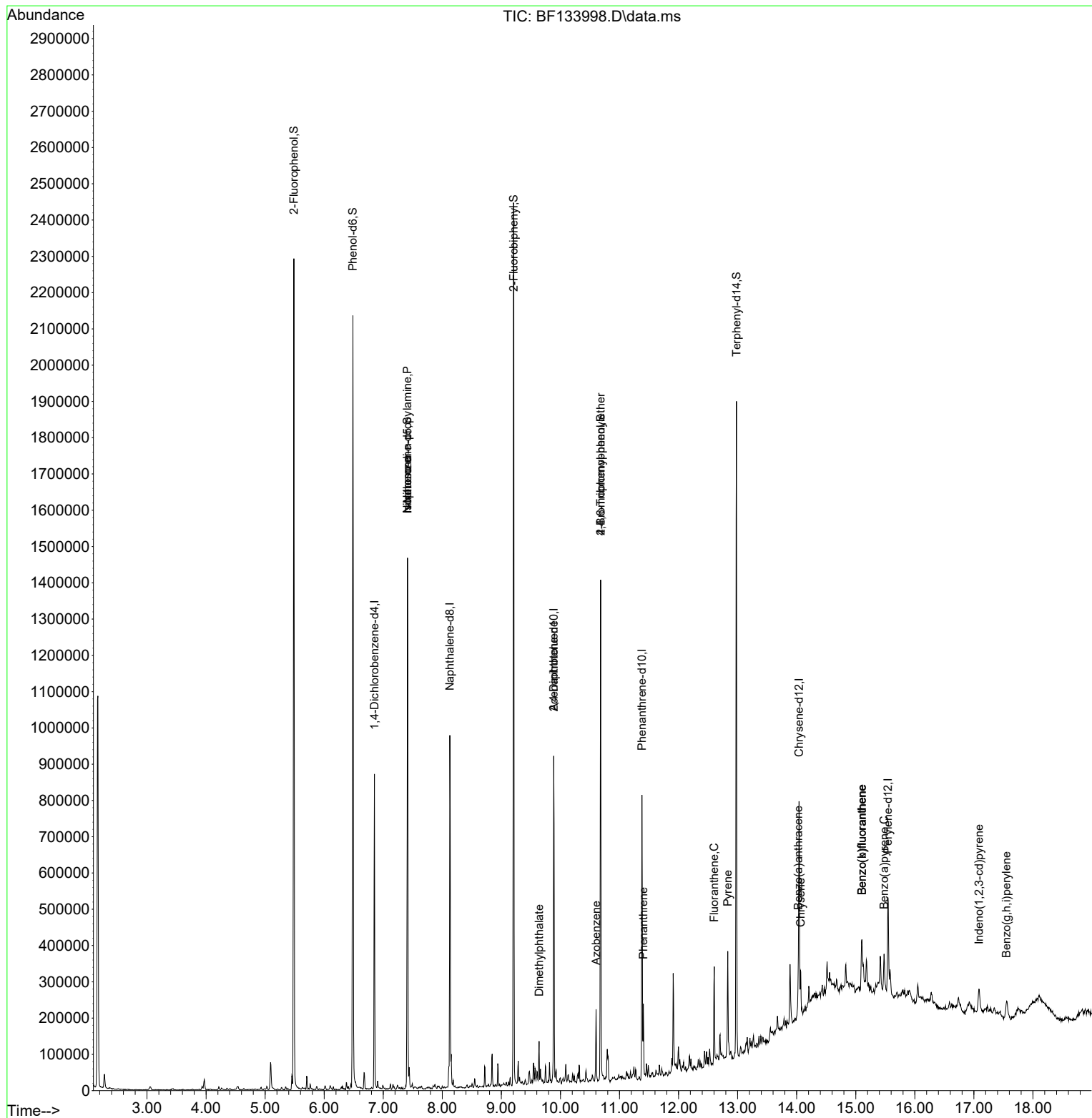
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	111127	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	403872	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	172626	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	267560	20.000	ng	0.00
76) Chrysene-d12	14.039	240	176579	20.000	ng	# 0.00
86) Perylene-d12	15.545	264	134315	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	557920	83.982	ng	0.00
7) Phenol-d6	6.487	99	649427	79.490	ng	0.00
23) Nitrobenzene-d5	7.410	82	431864	57.641	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	145946	67.431	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	752952	63.415	ng	0.00
79) Terphenyl-d14	12.980	244	600184	54.703	ng	0.00
Target Compounds						
9) Benzaldehyde	6.404	77	927	Below Cal		Qvalue # 8
19) n-Nitroso-di-n-propyla...	7.410	70	64101	12.372	ng	# 76
25) Isophorone	7.410	82	431864	31.716	ng	# 64
50) Dimethylphthalate	9.639	163	35045	2.797	ng	# 94
57) 2,4-Dinitrotoluene	9.886	165	22978	6.447	ng	# 22
63) Azobenzene	10.604	77	29917	2.423	ng	# 1
67) 4-Bromophenyl-phenylether	10.680	248	9210	3.239	ng	# 1
71) Phenanthrene	11.404	178	68137	5.059	ng	99
75) Fluoranthene	12.604	202	104292	7.162	ng	97
78) Pyrene	12.833	202	116841	7.110	ng	99
81) Benzo(a)anthracene	14.027	228	48018	3.921	ng	95
83) Chrysene	14.068	228	51213	4.318	ng	93
87) Indeno(1,2,3-cd)pyrene	17.086	276	44518	4.777	ng	97
88) Benzo(b)fluoranthene	15.104	252	93232	11.805	ng	# 96
89) Benzo(k)fluoranthene	15.104	252	93232	11.594	ng	# 96
90) Benzo(a)pyrene	15.480	252	38882	5.091	ng	# 90
92) Benzo(g,h,i)perylene	17.551	276	42585	5.425	ng	96

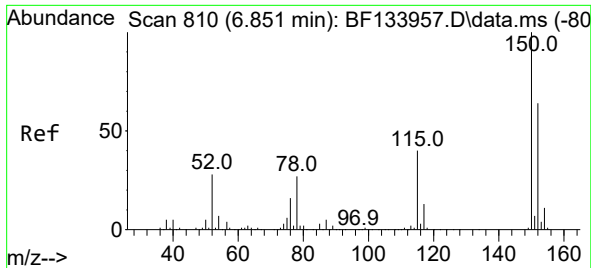
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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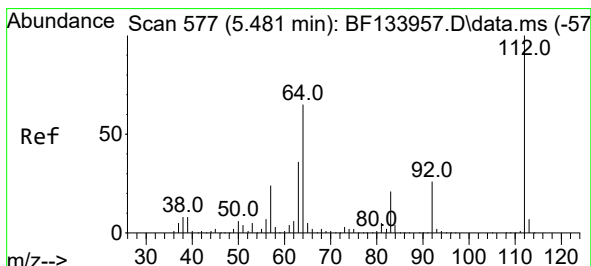
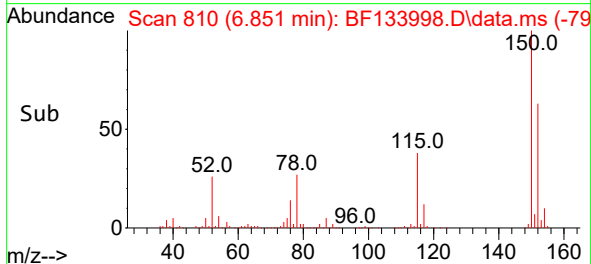
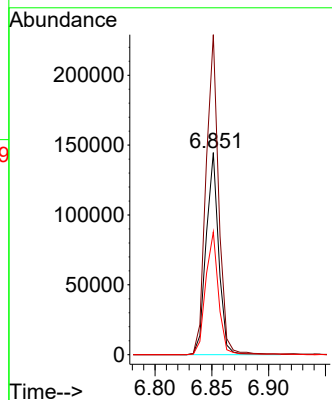
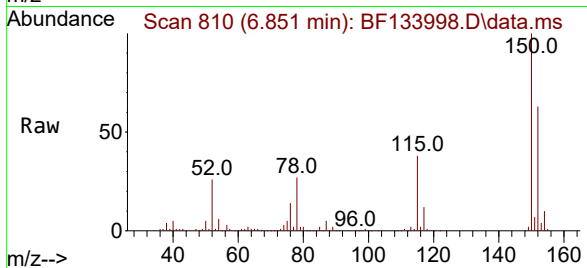




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

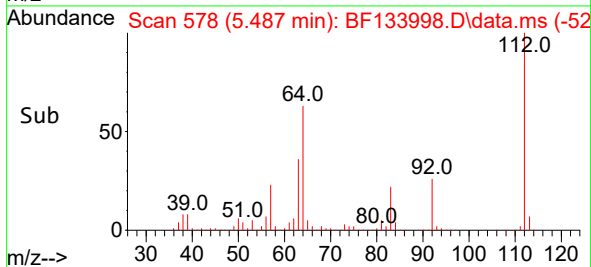
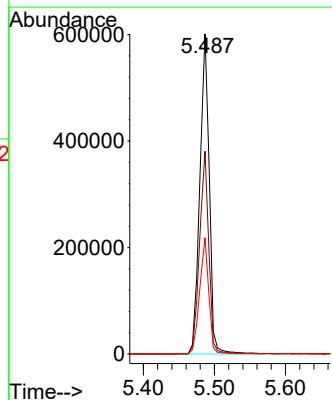
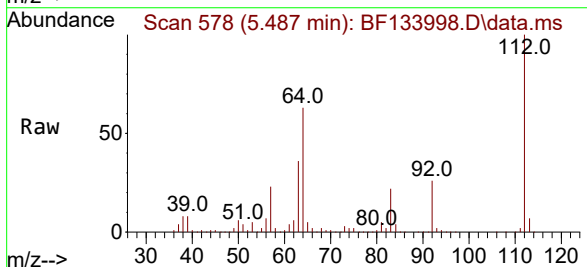
Instrument :
BNA_F
ClientSampleId :
TP1-0623

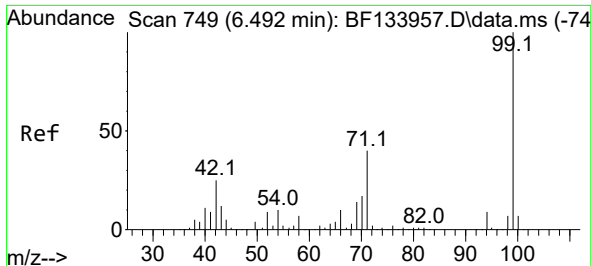
Tgt Ion:152 Resp: 111127
Ion Ratio Lower Upper
152 100
150 158.4 124.5 186.7
115 60.7 50.2 75.2



#5
2-Fluorophenol
Concen: 83.982 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

Tgt Ion:112 Resp: 557920
Ion Ratio Lower Upper
112 100
64 63.3 52.1 78.1
63 36.4 28.6 42.8

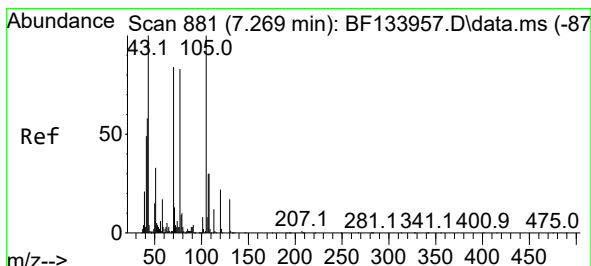
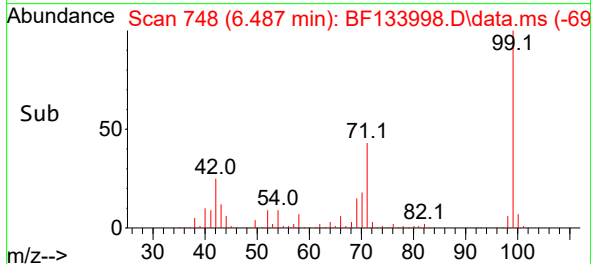
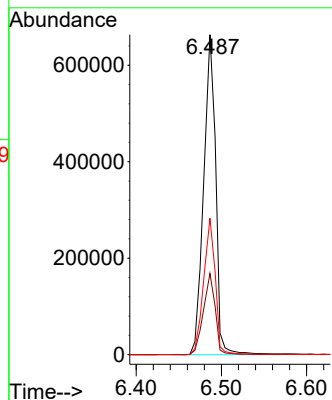
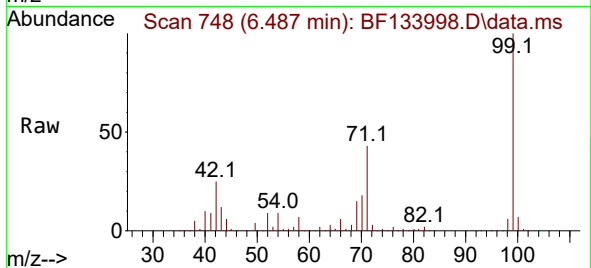




#7
Phenol-d6
Concen: 79.490 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

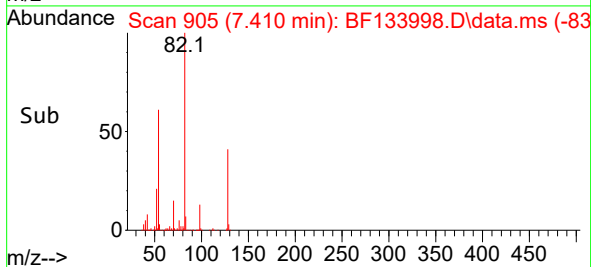
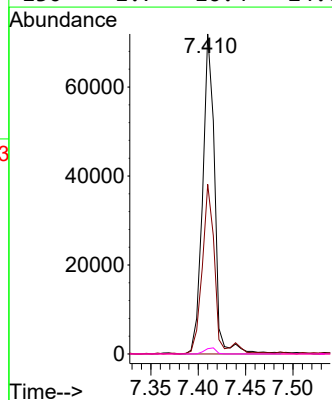
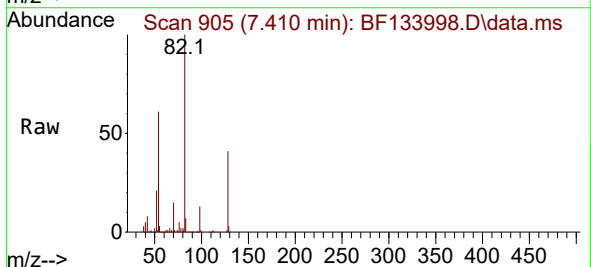
Instrument :
BNA_F
ClientSampleId :
TP1-0623

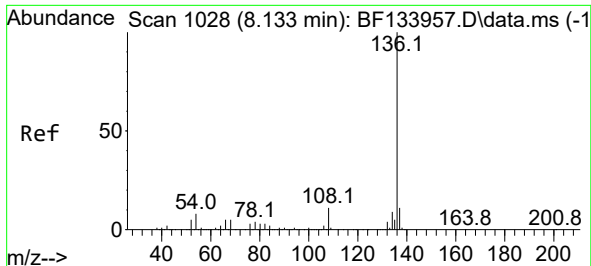
Tgt Ion: 99 Resp: 649427
Ion Ratio Lower Upper
99 100
42 25.4 19.8 29.6
71 42.6 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.372 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

Tgt Ion: 70 Resp: 64101
Ion Ratio Lower Upper
70 100
42 53.0 54.7 82.1#
101 0.0 7.7 11.5#
130 1.7 16.4 24.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133998.D

Acq: 27 Jun 2023 19:03

Instrument :

BNA_F

ClientSampleId :

TP1-0623

Tgt Ion:136 Resp: 403872

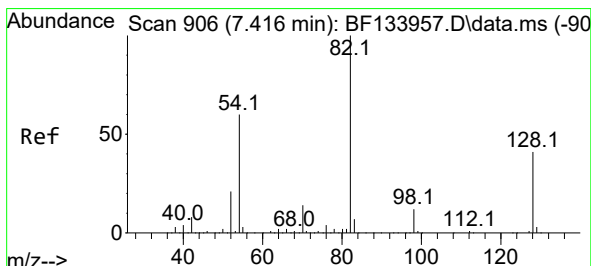
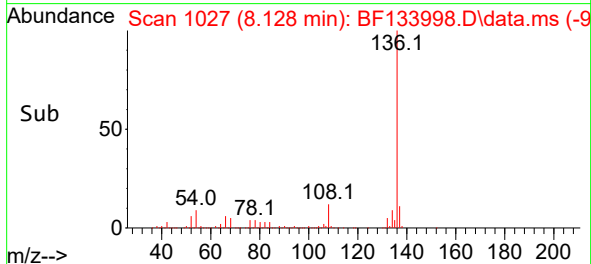
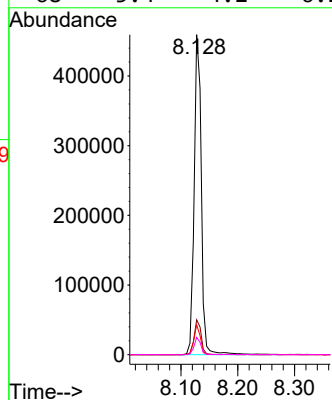
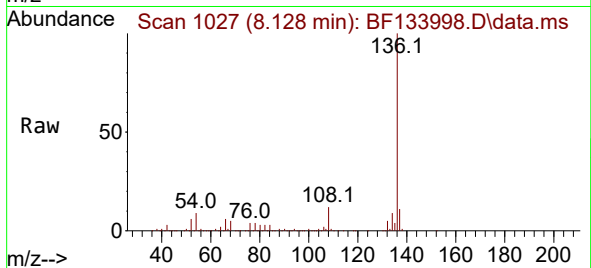
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 9.3 6.5 9.7

68 5.4 4.2 6.2



#23

Nitrobenzene-d5

Concen: 57.641 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133998.D

Acq: 27 Jun 2023 19:03

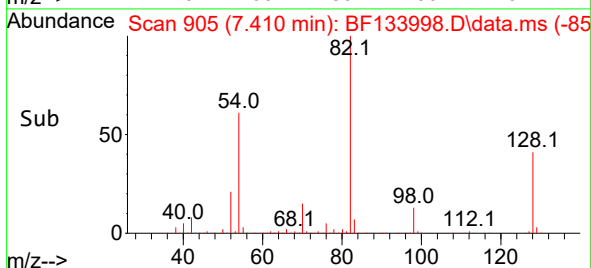
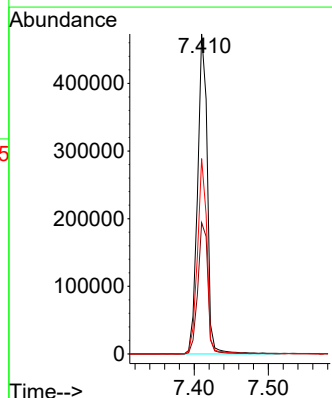
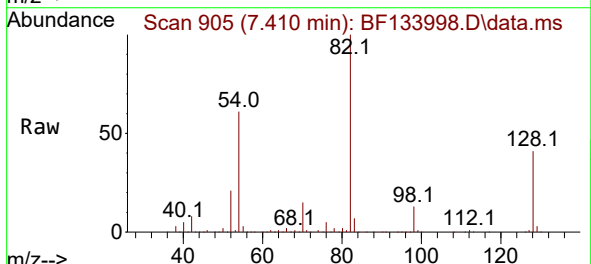
Tgt Ion: 82 Resp: 431864

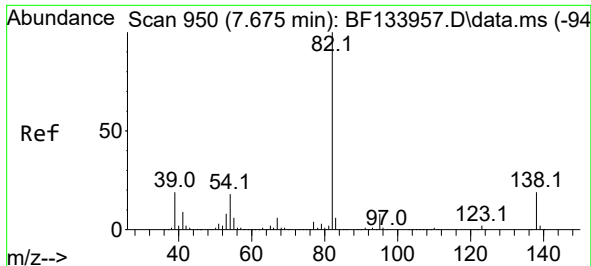
Ion Ratio Lower Upper

82 100

128 41.0 32.5 48.7

54 61.1 48.2 72.2

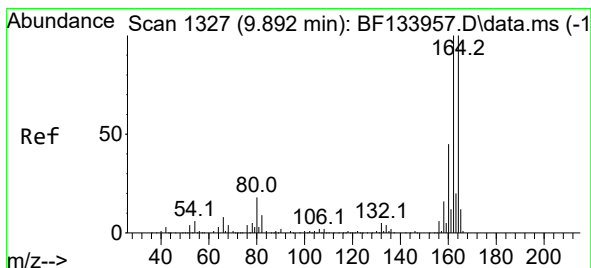
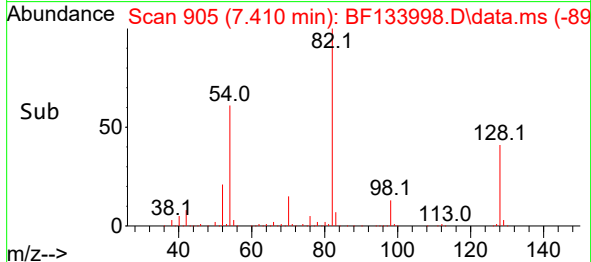
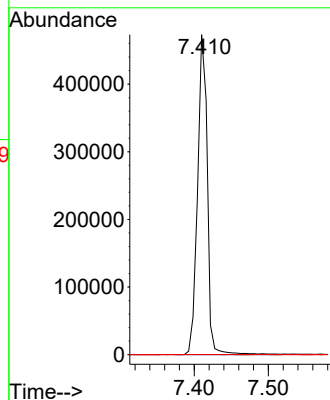
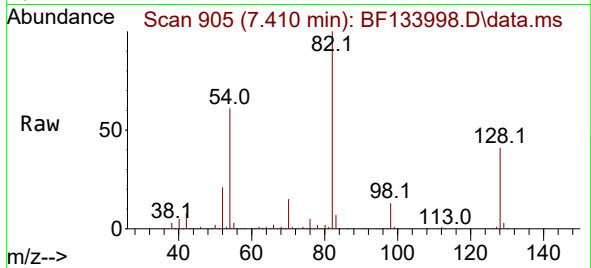




#25
Isophorone
Concen: 31.716 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

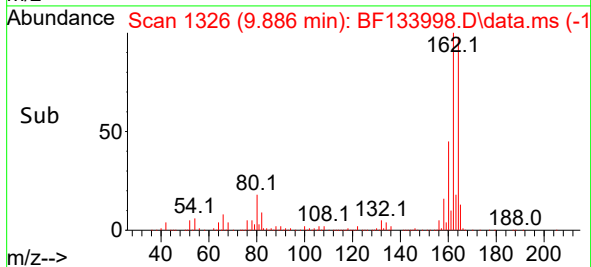
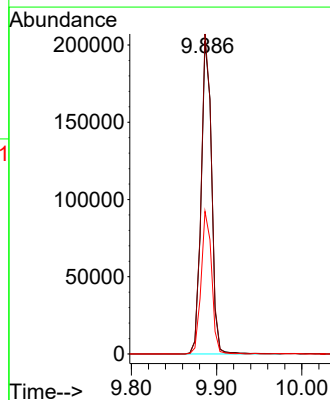
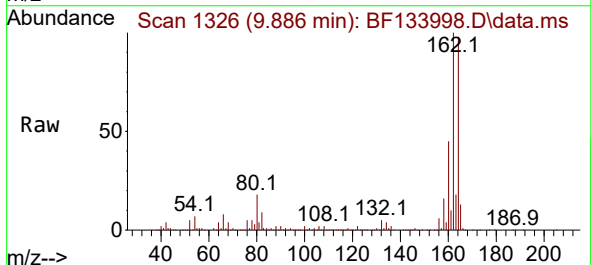
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BNA_F
ClientSampleId :
TP1-0623

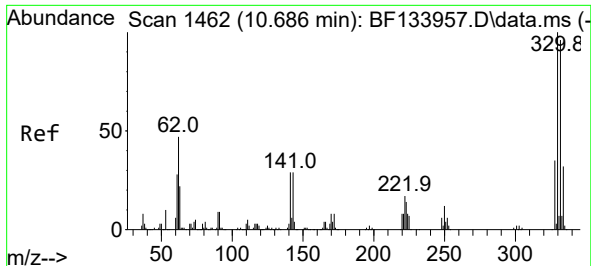
Tgt Ion: 82 Resp: 431864
Ion Ratio Lower Upper
82 100
95 0.1 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

Tgt Ion:164 Resp: 172626
Ion Ratio Lower Upper
164 100
162 102.3 80.0 120.0
160 45.6 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 67.431 ng

RT: 10.680 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF133998.D

Acq: 27 Jun 2023 19:03

Instrument :

BNA_F

ClientSampleId :

TP1-0623

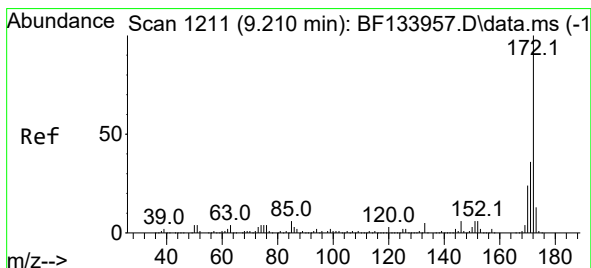
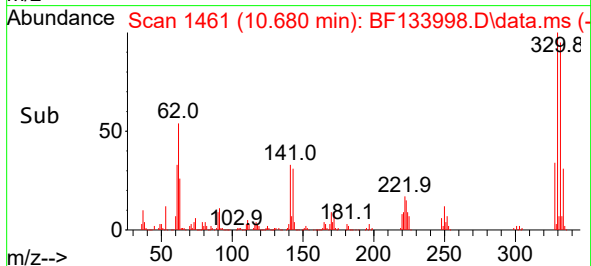
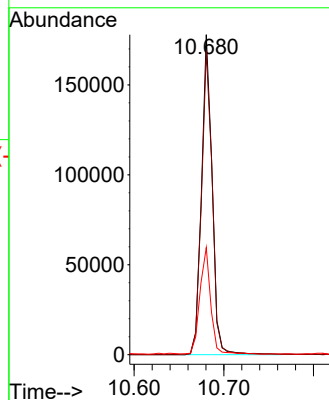
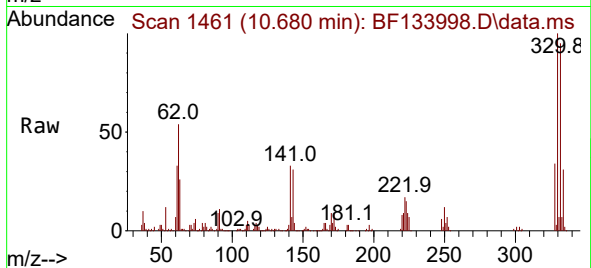
Tgt Ion:330 Resp: 145946

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

141 33.9 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 63.415 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.000 min

Lab File: BF133998.D

Acq: 27 Jun 2023 19:03

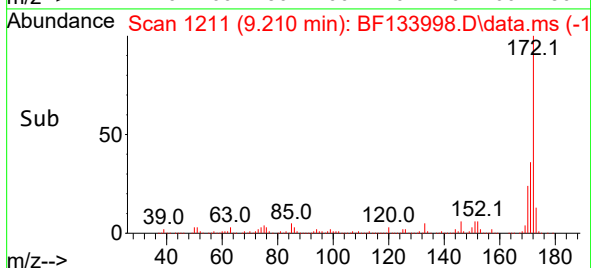
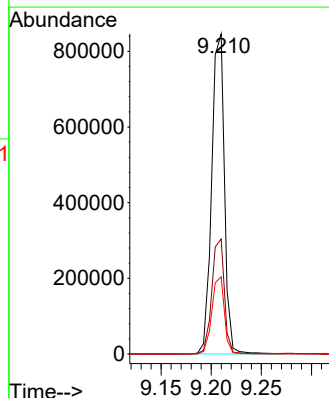
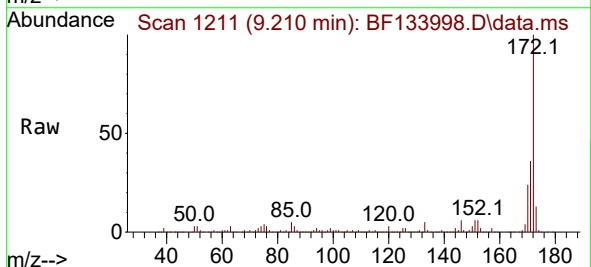
Tgt Ion:172 Resp: 752952

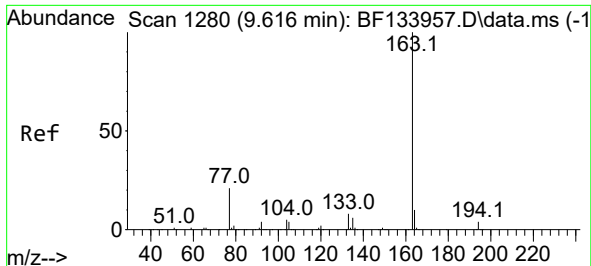
Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 24.1 19.4 29.0

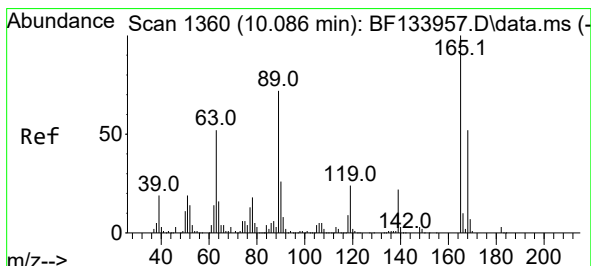
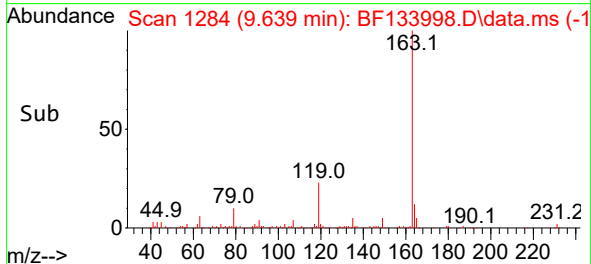
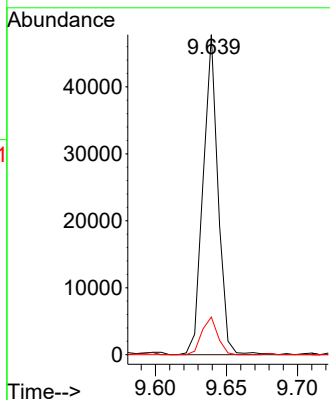
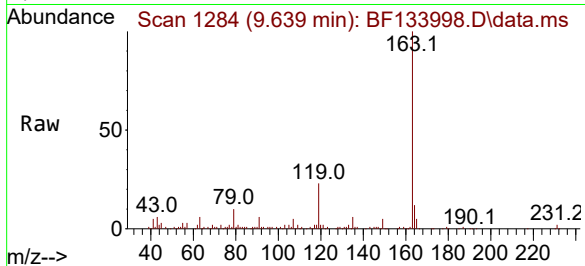




#50
Dimethylphthalate
Concen: 2.797 ng
RT: 9.639 min Scan# 11
Delta R.T. 0.023 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

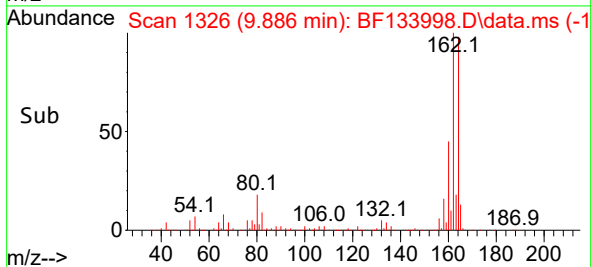
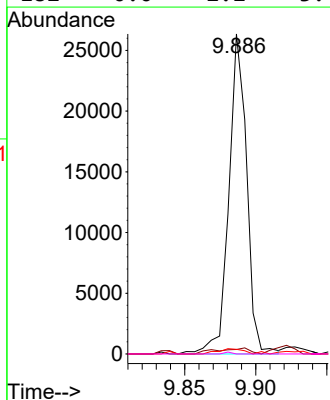
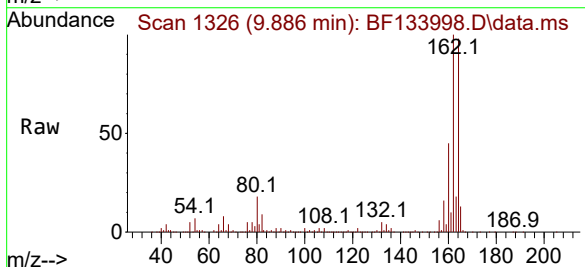
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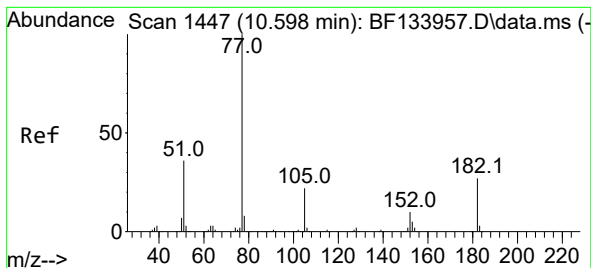
Tgt Ion:163 Resp: 35045
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 11.8 8.2 12.2



#57
2,4-Dinitrotoluene
Concen: 6.447 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

Tgt Ion:165 Resp: 22978
Ion Ratio Lower Upper
165 100
63 1.4 42.2 63.2#
89 1.4 57.4 86.2#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.423 ng

RT: 10.604 min Scan# 1447

Delta R.T. 0.006 min

Lab File: BF133998.D

Acq: 27 Jun 2023 19:03

Instrument :

BNA_F

ClientSampleId :

TP1-0623

Tgt Ion: 77 Resp: 29917

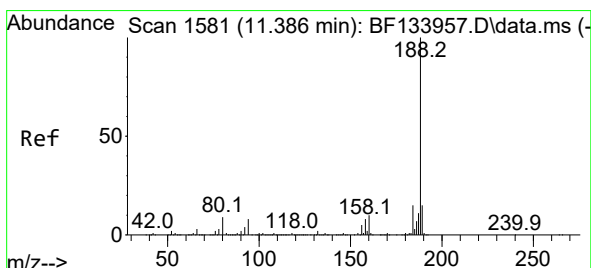
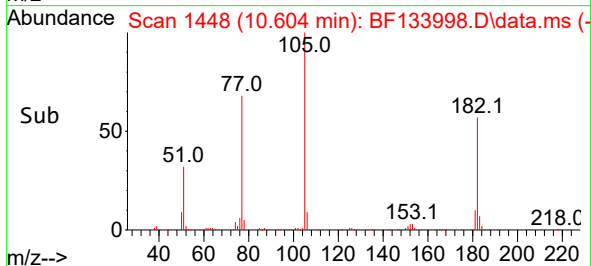
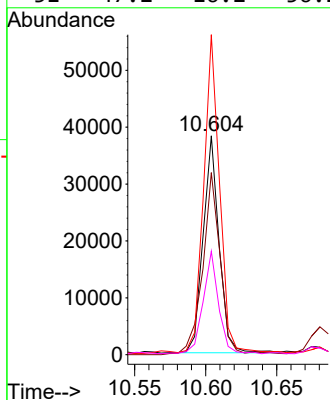
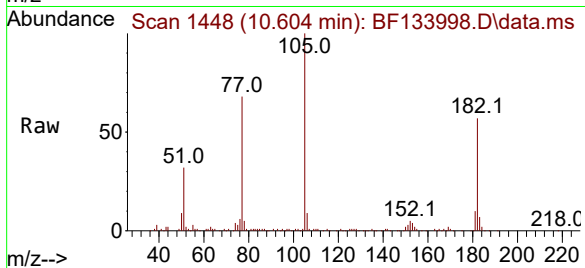
Ion Ratio Lower Upper

77 100

182 83.2 6.8 46.8#

105 146.1 2.3 42.3#

51 47.2 16.2 56.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF133998.D

Acq: 27 Jun 2023 19:03

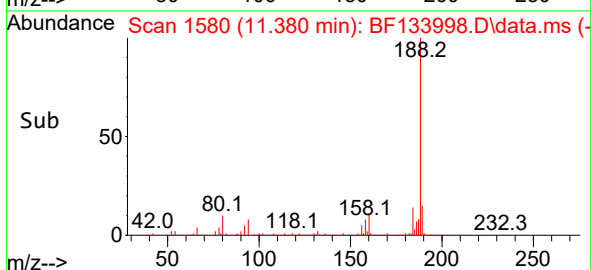
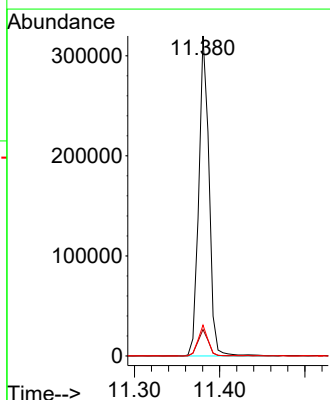
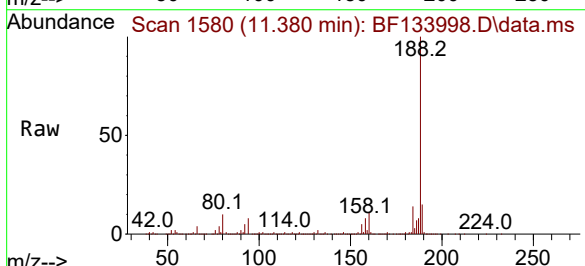
Tgt Ion: 188 Resp: 267560

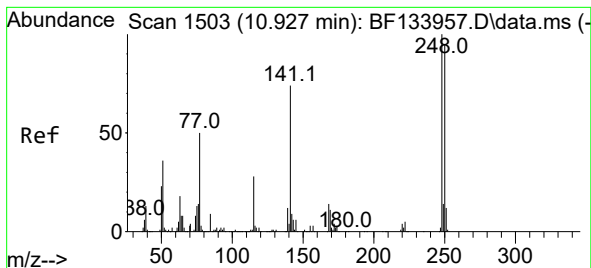
Ion Ratio Lower Upper

188 100

94 8.3 6.4 9.6

80 9.7 7.3 10.9

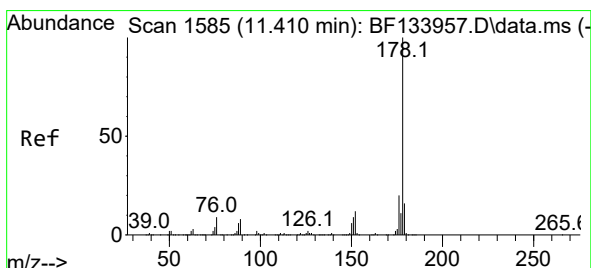
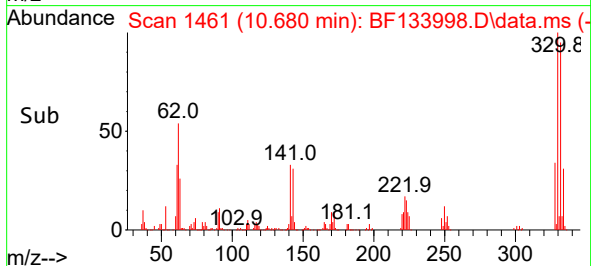
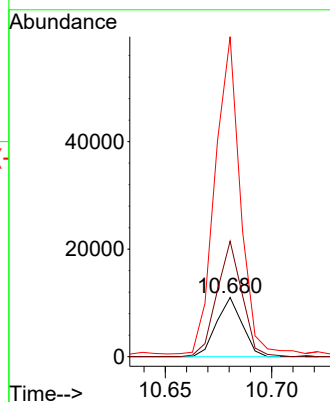
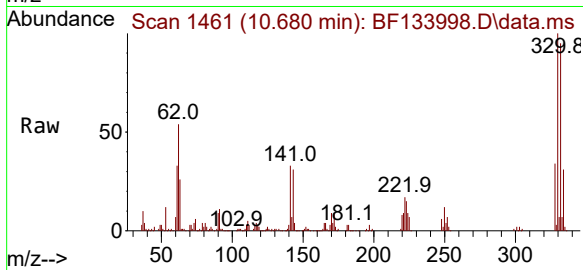




#67
4-Bromophenyl-phenylether
Concen: 3.239 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

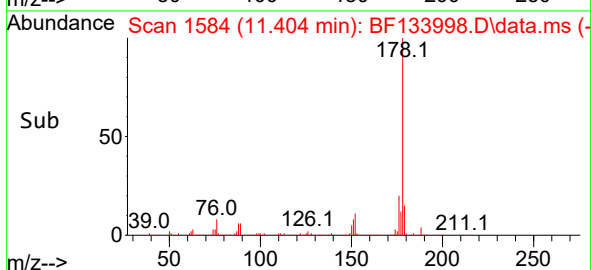
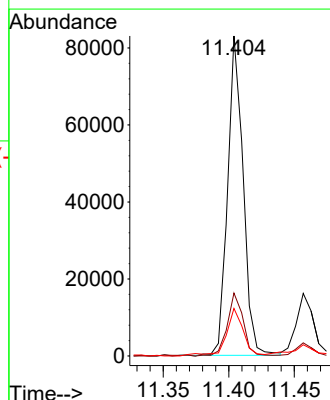
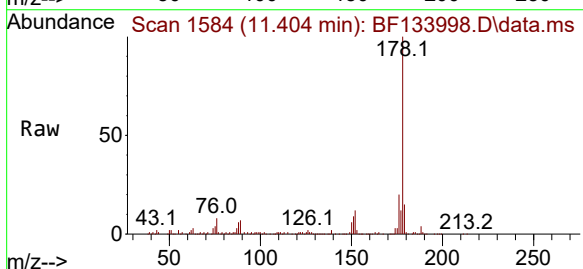
Instrument :
BNA_F
ClientSampleId :
TP1-0623

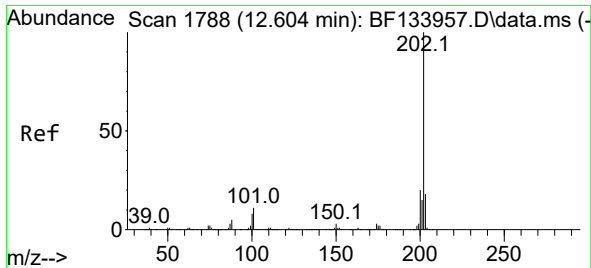
Tgt Ion:248 Resp: 9210
Ion Ratio Lower Upper
248 100
250 195.3 76.2 114.4#
141 540.6 59.0 88.4#



#71
Phenanthrene
Concen: 5.059 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

Tgt Ion:178 Resp: 68137
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 14.9 12.4 18.6

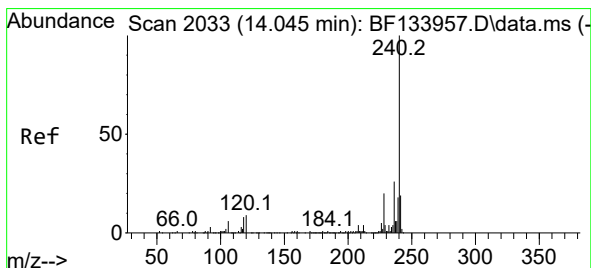
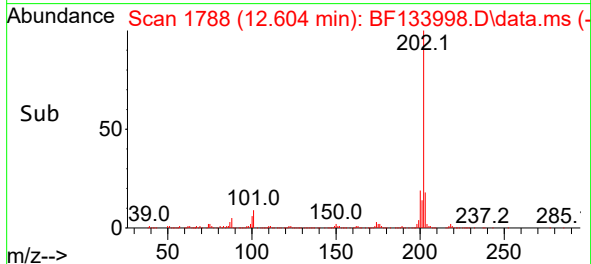
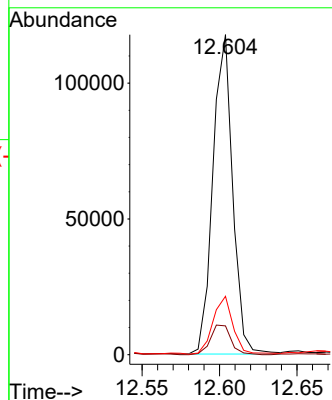
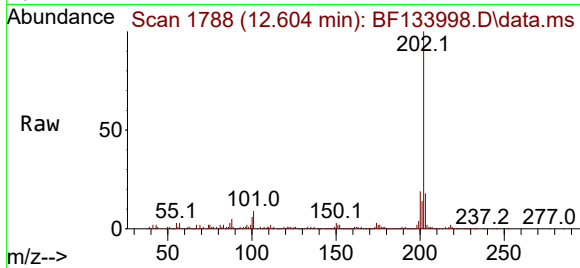




#75
Fluoranthene
Concen: 7.162 ng
RT: 12.604 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

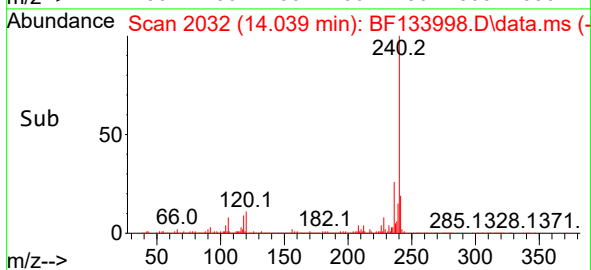
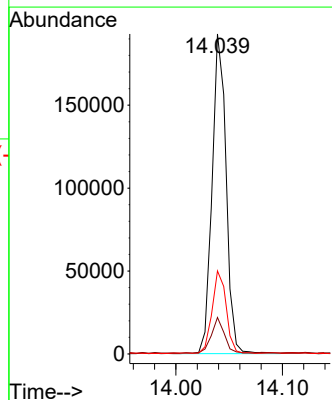
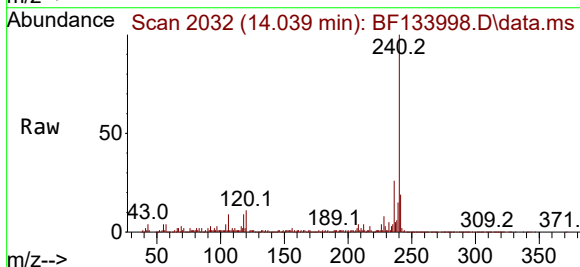
Instrument :
BNA_F
ClientSampleId :
TP1-0623

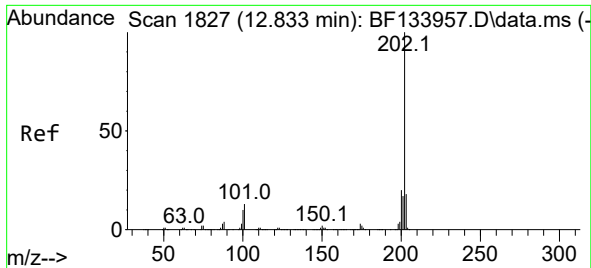
Tgt Ion:202 Resp: 104292
Ion Ratio Lower Upper
202 100
101 9.0 0.0 31.0
203 18.3 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

Tgt Ion:240 Resp: 176579
Ion Ratio Lower Upper
240 100
120 11.4 7.4 11.0#
236 26.0 21.0 31.6

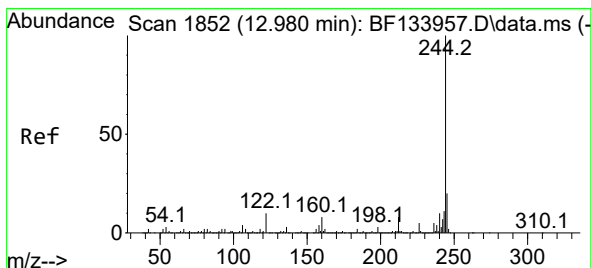
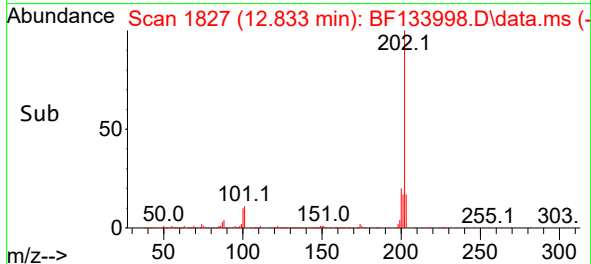
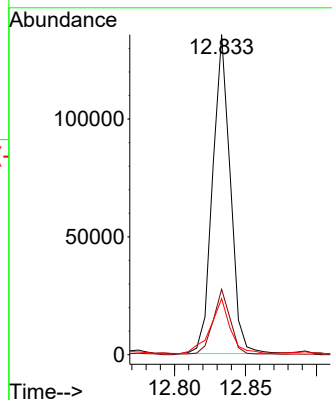
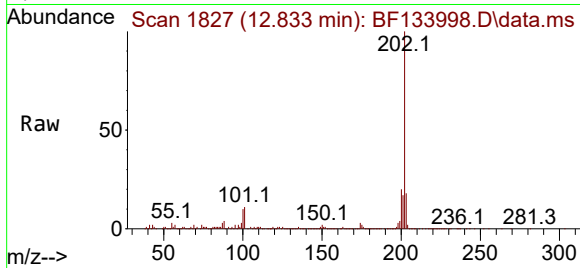




#78
 Pyrene
 Concen: 7.110 ng
 RT: 12.833 min Scan# 1827
 Delta R.T. 0.000 min
 Lab File: BF133998.D
 Acq: 27 Jun 2023 19:03

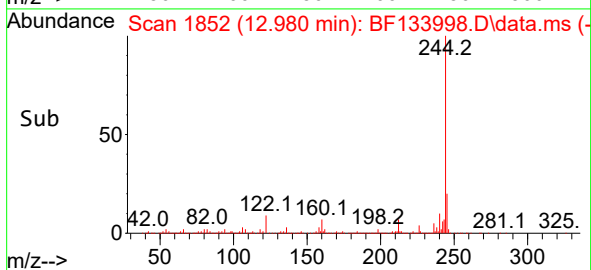
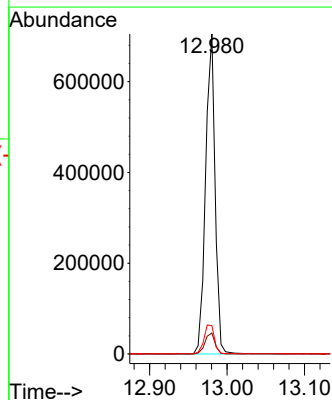
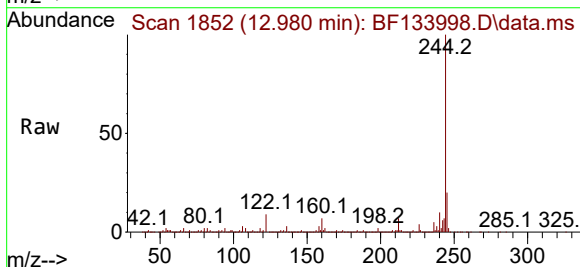
Instrument :
 BNA_F
 ClientSampleId :
 TP1-0623

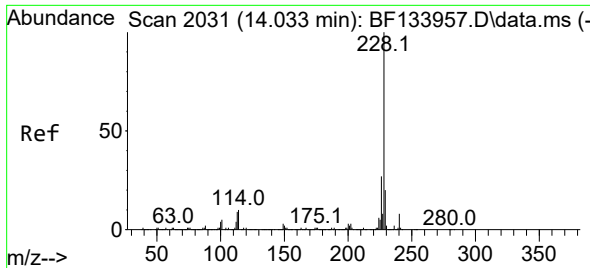
Tgt Ion:	202	Resp:	116841
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.1	24.1
203	17.5	14.3	21.5



#79
 Terphenyl-d14
 Concen: 54.703 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF133998.D
 Acq: 27 Jun 2023 19:03

Tgt Ion:	244	Resp:	600184
Ion Ratio	Lower	Upper	
244	100		
212	6.6	6.0	9.0
122	8.8	8.3	12.5

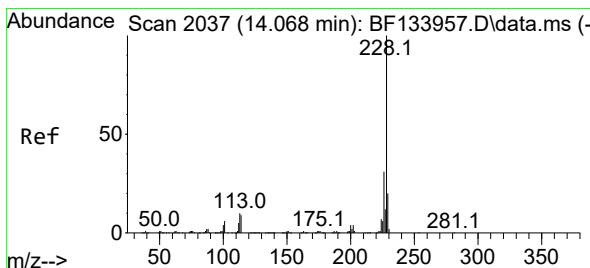
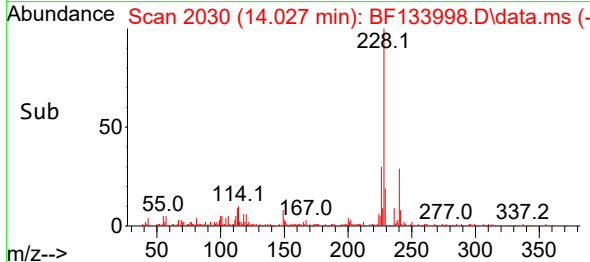
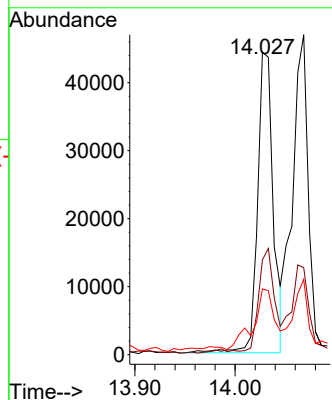
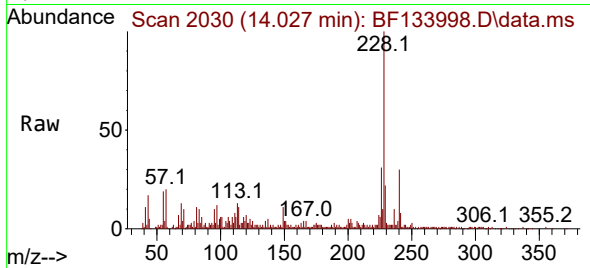




#81
Benzo(a)anthracene
Concen: 3.921 ng
RT: 14.027 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

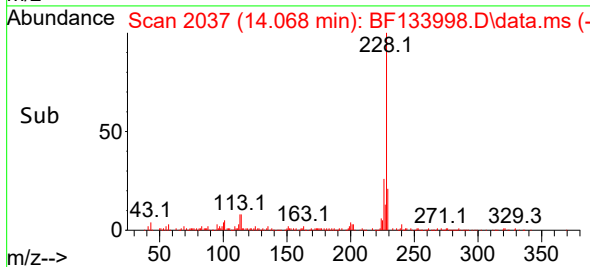
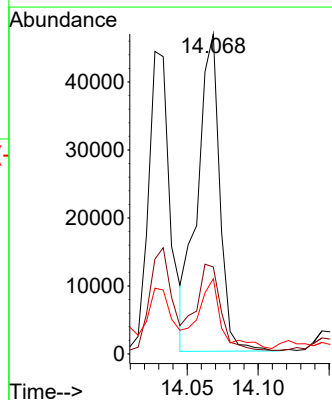
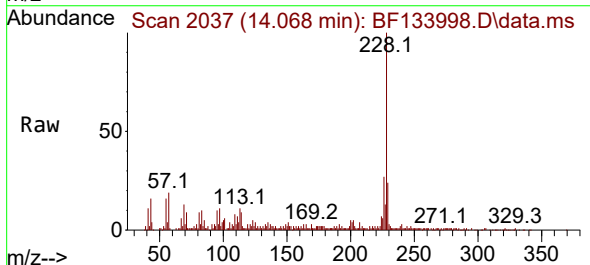
Instrument :
BNA_F
ClientSampleId :
TP1-0623

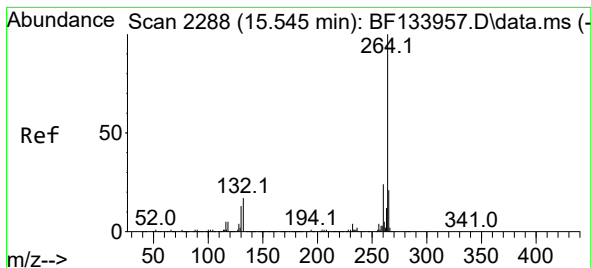
Tgt Ion:228 Resp: 48018
Ion Ratio Lower Upper
228 100
226 31.3 22.0 33.0
229 21.7 16.3 24.5



#83
Chrysene
Concen: 4.318 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

Tgt Ion:228 Resp: 51213
Ion Ratio Lower Upper
228 100
226 27.2 24.4 36.6
229 23.5 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133998.D

Acq: 27 Jun 2023 19:03

Instrument :

BNA_F

ClientSampleId :

TP1-0623

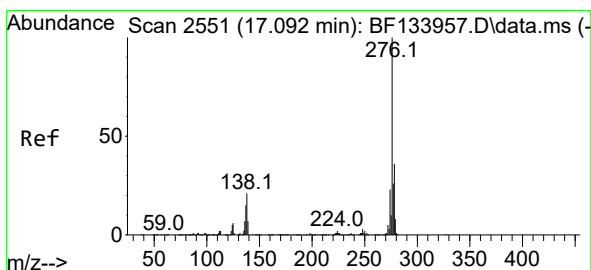
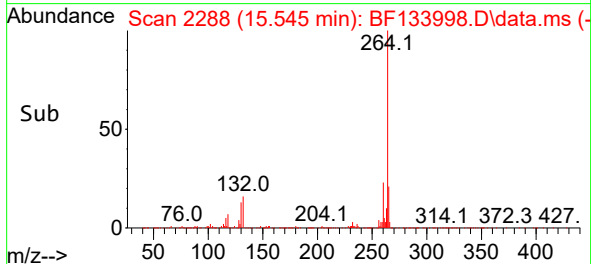
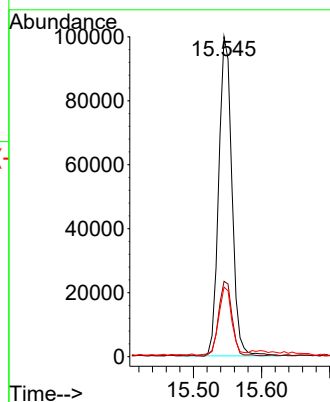
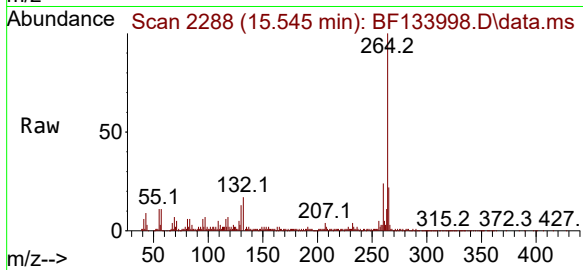
Tgt Ion:264 Resp: 134315

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 21.7 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.777 ng

RT: 17.086 min Scan# 2550

Delta R.T. -0.006 min

Lab File: BF133998.D

Acq: 27 Jun 2023 19:03

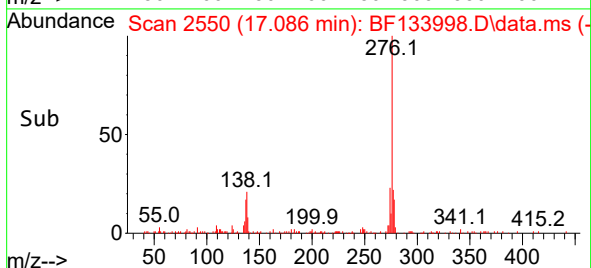
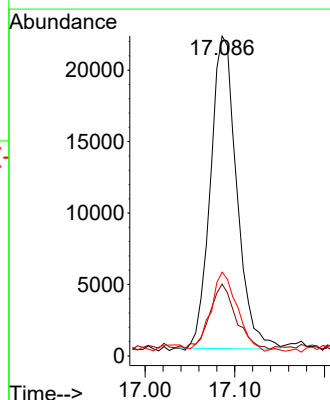
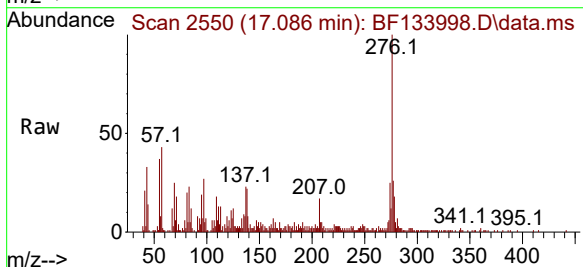
Tgt Ion:276 Resp: 44518

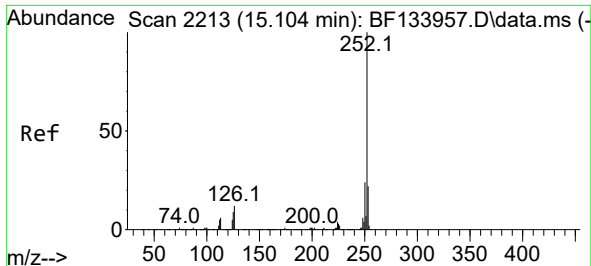
Ion Ratio Lower Upper

276 100

138 21.0 18.7 28.1

277 24.4 19.9 29.9

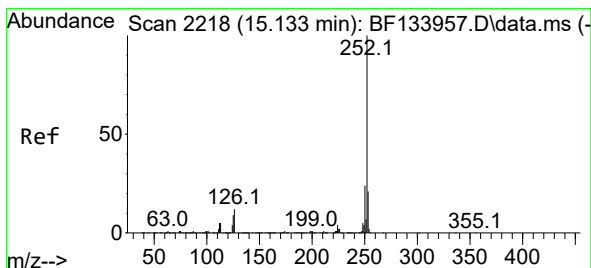
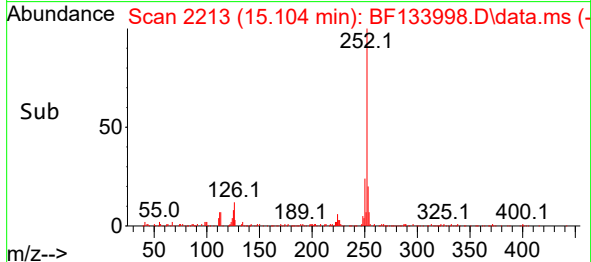
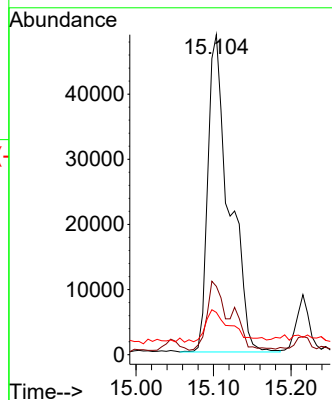
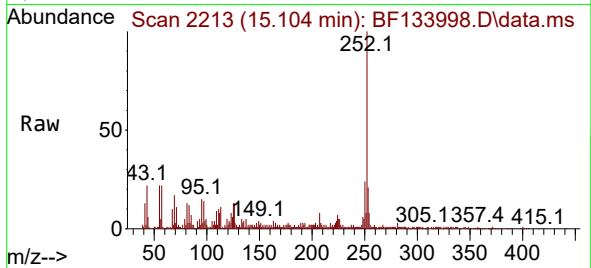




#88
Benzo(b)fluoranthene
Concen: 11.805 ng
RT: 15.104 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

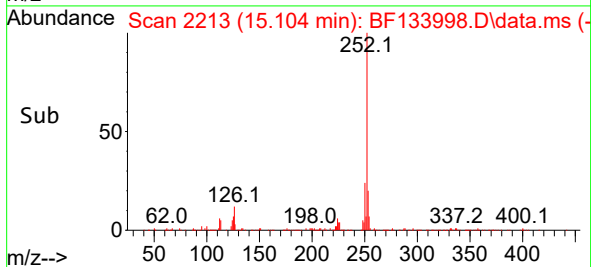
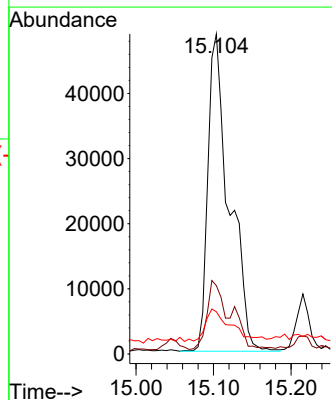
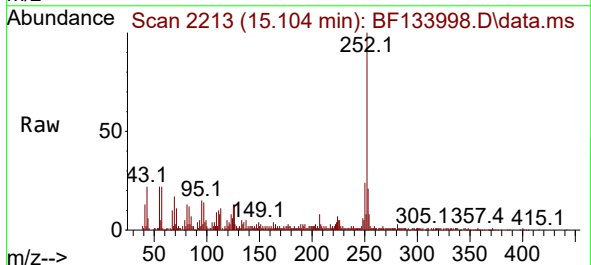
Instrument :
BNA_F
ClientSampleId :
TP1-0623

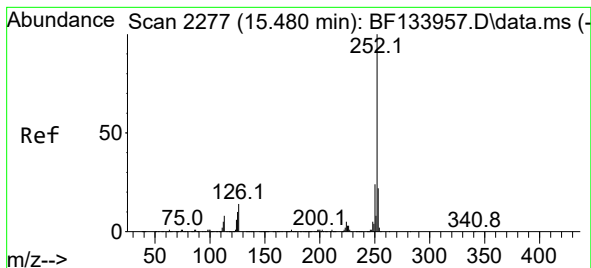
Tgt Ion:252 Resp: 93232
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 13.2 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 11.594 ng
RT: 15.104 min Scan# 2213
Delta R.T. -0.029 min
Lab File: BF133998.D
Acq: 27 Jun 2023 19:03

Tgt Ion:252 Resp: 93232
Ion Ratio Lower Upper
252 100
253 21.4 16.9 25.3
125 13.2 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 5.091 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133998.D

Acq: 27 Jun 2023 19:03

Instrument :

BNA_F

ClientSampleId :

TP1-0623

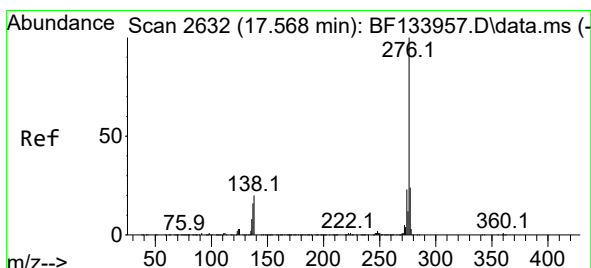
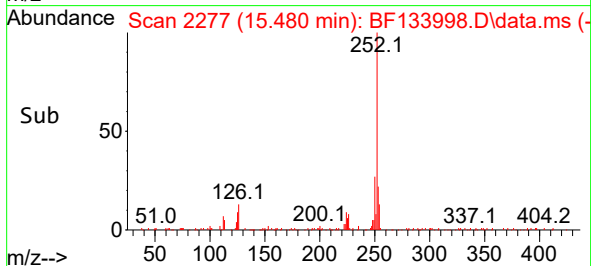
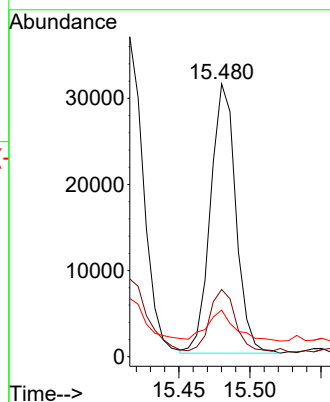
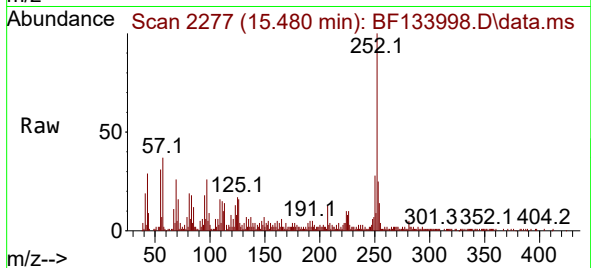
Tgt Ion:252 Resp: 38882

Ion Ratio Lower Upper

252 100

253 24.6 17.4 26.0

125 17.0 8.4 12.6#



#92

Benzo(g,h,i)perylene

Concen: 5.425 ng

RT: 17.551 min Scan# 2629

Delta R.T. -0.018 min

Lab File: BF133998.D

Acq: 27 Jun 2023 19:03

Tgt Ion:276 Resp: 42585

Ion Ratio Lower Upper

276 100

277 26.5 19.0 28.6

138 20.9 16.2 24.2

