

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
 Data File : BF134258.D
 Acq On : 12 Jul 2023 21:31
 Operator : CG\JU
 Sample : 03375-03DL 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(0-2)DL

Quant Time: Jul 12 23:24:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

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

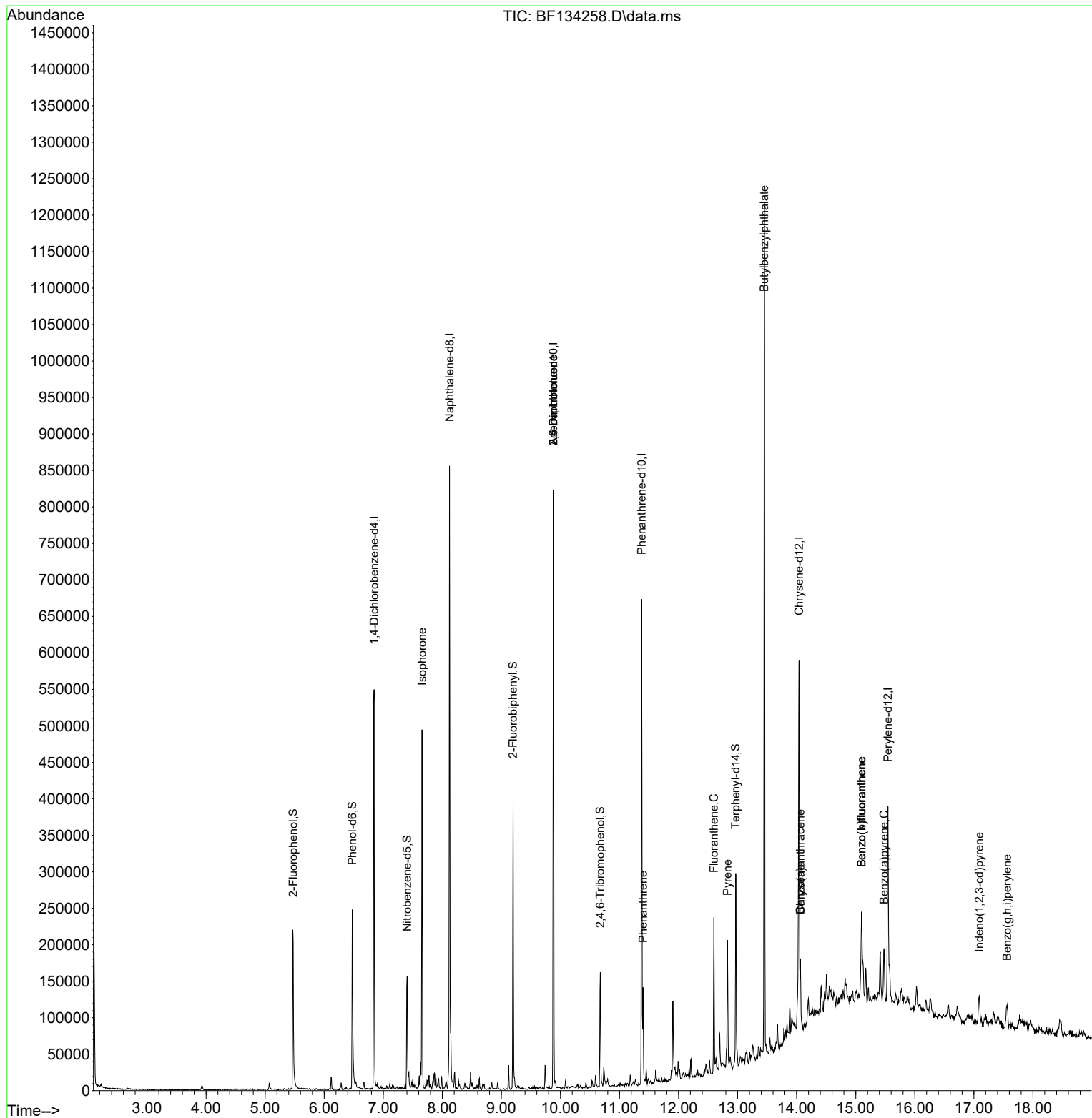
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	85608	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	321007	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	144723	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	226991	20.000	ng	0.00
76) Chrysene-d12	14.039	240	159884	20.000	ng	0.00
86) Perylene-d12	15.545	264	132869	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	68395	13.364	ng	0.00
7) Phenol-d6	6.475	99	81557	12.958	ng	-0.01
23) Nitrobenzene-d5	7.404	82	53649	9.009	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	19587	10.794	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	107175	10.767	ng	0.00
79) Terphenyl-d14	12.969	244	82013	8.256	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	226	Below Cal	#	82
25) Isophorone	7.657	82	152637	14.103	ng	98
51) 2,6-Dinitrotoluene	9.880	165	18246	8.064	ng	# 23
57) 2,4-Dinitrotoluene	9.880	165	18246	6.106	ng	# 22
71) Phenanthrene	11.398	178	41656	3.645	ng	98
75) Fluoranthene	12.598	202	80827	6.543	ng	98
78) Pyrene	12.827	202	66454	4.466	ng	98
80) Butylbenzylphthalate	13.451	149	264312	47.364	ng	99
81) Benzo(a)anthracene	14.063	228	39408	3.554	ng	98
83) Chrysene	14.063	228	39408	3.669	ng	97
87) Indeno(1,2,3-cd)pyrene	17.092	276	26039	2.824	ng	95
88) Benzo(b)fluoranthene	15.098	252	81087	10.379	ng	# 97
89) Benzo(k)fluoranthene	15.098	252	81087	10.194	ng	# 97
90) Benzo(a)pyrene	15.480	252	32913	4.357	ng	96
92) Benzo(g,h,i)perylene	17.562	276	25284	3.256	ng	95

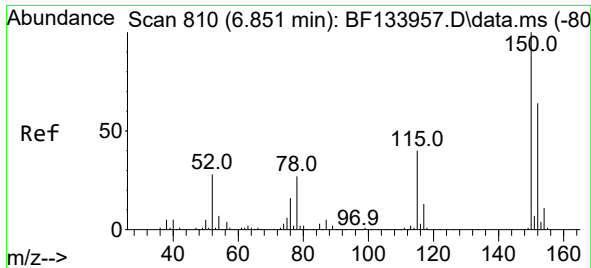
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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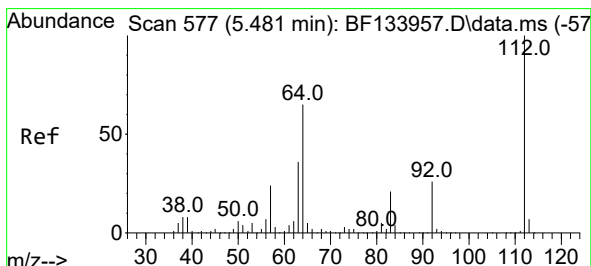
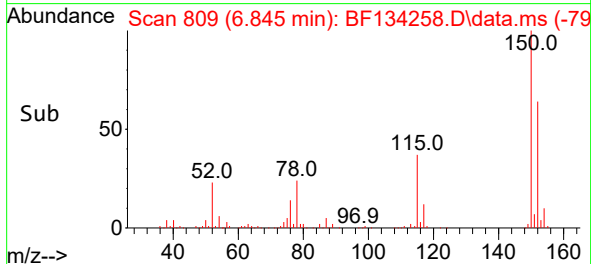
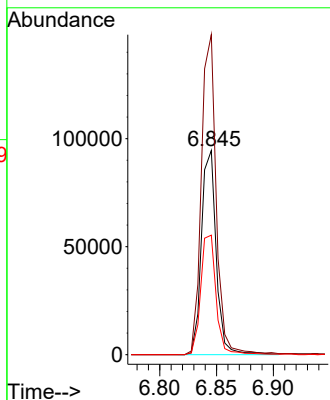
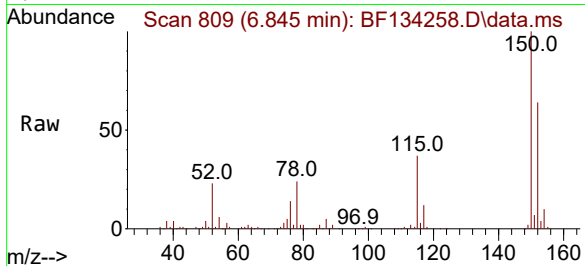




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

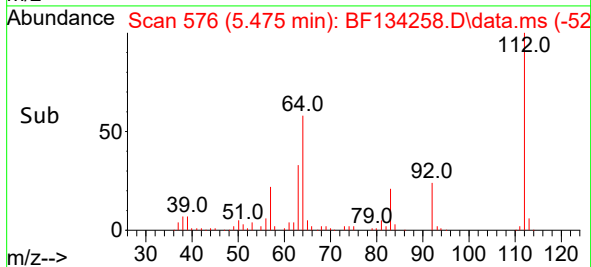
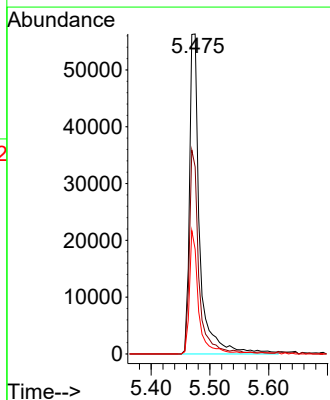
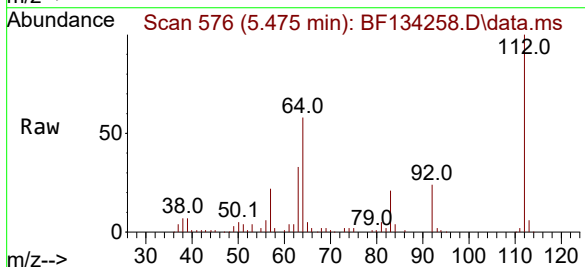
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)DL

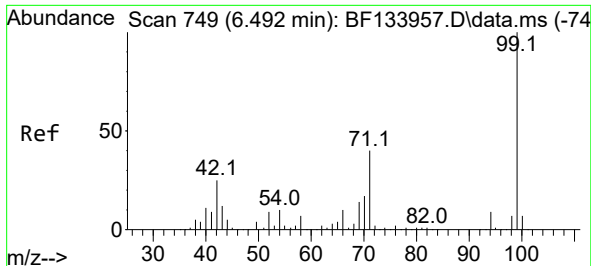
Tgt Ion:152 Resp: 85608
Ion Ratio Lower Upper
152 100
150 156.7 124.5 186.7
115 58.5 50.2 75.2



#5
2-Fluorophenol
Concen: 13.364 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

Tgt Ion:112 Resp: 68395
Ion Ratio Lower Upper
112 100
64 58.5 52.1 78.1
63 32.7 28.6 42.8

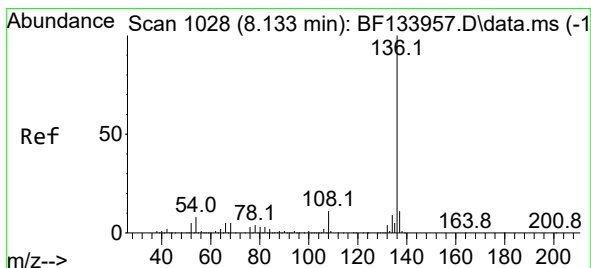
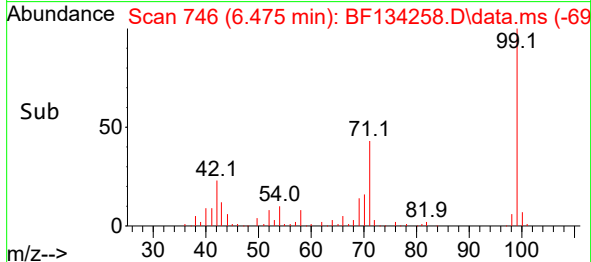
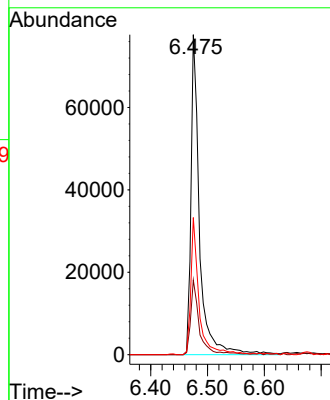
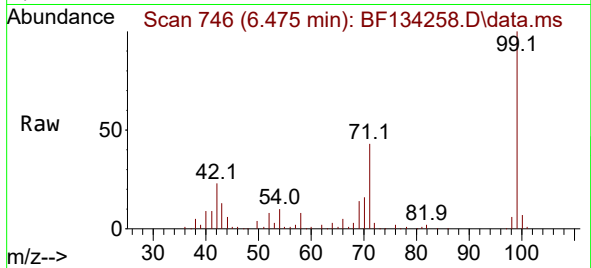




#7
Phenol-d6
Concen: 12.958 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

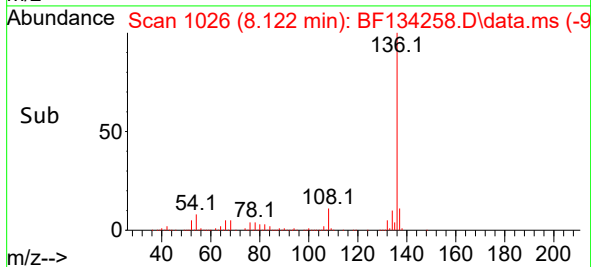
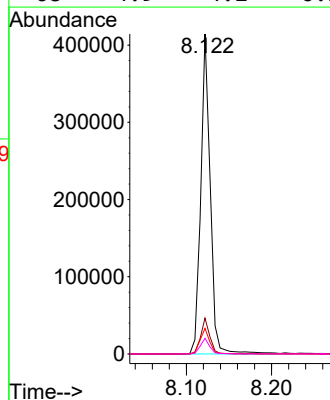
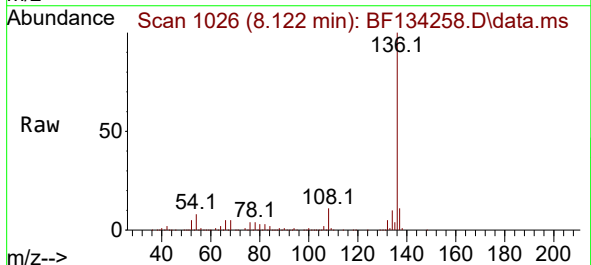
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)DL

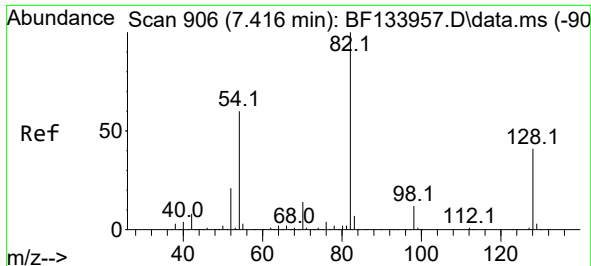
Tgt Ion: 99 Resp: 81557
Ion Ratio Lower Upper
99 100
42 23.3 19.8 29.6
71 42.9 31.9 47.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

Tgt Ion:136 Resp: 321007
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 8.0 6.5 9.7
68 4.9 4.2 6.2





#23

Nitrobenzene-d5

Concen: 9.009 ng

RT: 7.404 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF134258.D

Acq: 12 Jul 2023 21:31

Instrument :

BNA_F

ClientSampleId :

SB-2(0-2)DL

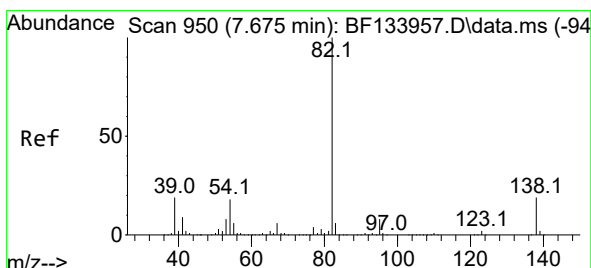
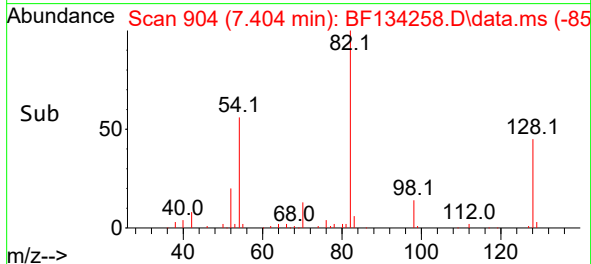
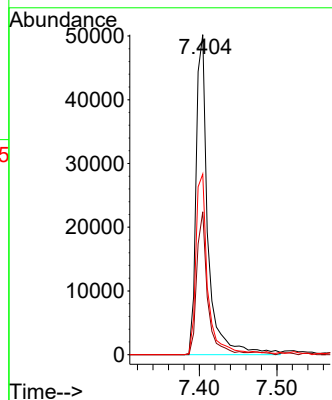
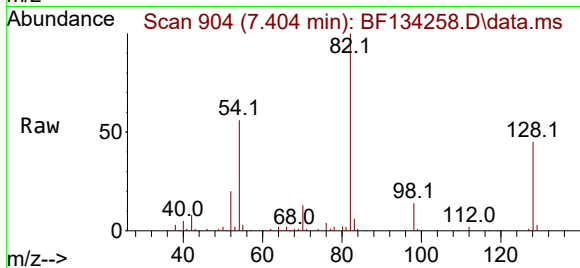
Tgt Ion: 82 Resp: 53649

Ion Ratio Lower Upper

82 100

128 44.6 32.5 48.7

54 56.5 48.2 72.2



#25

Isophorone

Concen: 14.103 ng

RT: 7.657 min Scan# 947

Delta R.T. -0.006 min

Lab File: BF134258.D

Acq: 12 Jul 2023 21:31

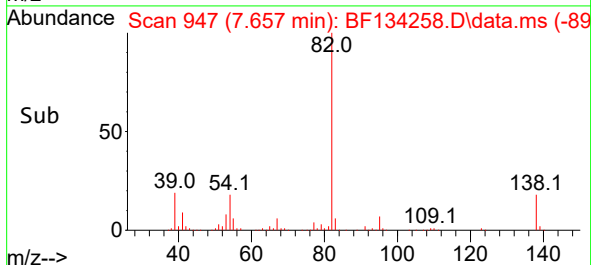
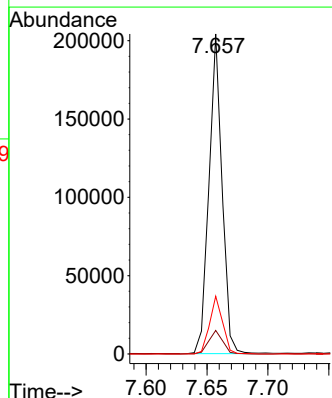
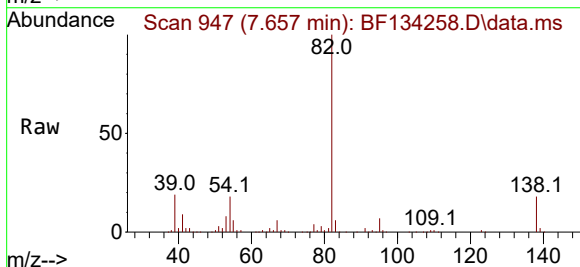
Tgt Ion: 82 Resp: 152637

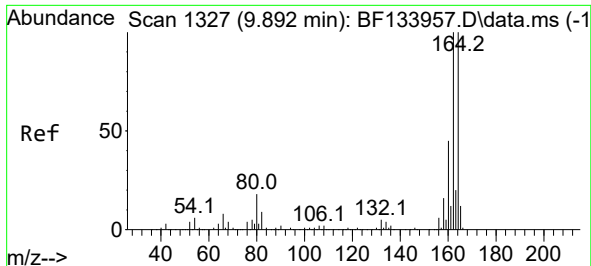
Ion Ratio Lower Upper

82 100

95 7.3 6.1 9.1

138 18.0 15.2 22.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134258.D

Acq: 12 Jul 2023 21:31

Instrument :

BNA_F

ClientSampleId :

SB-2(0-2)DL

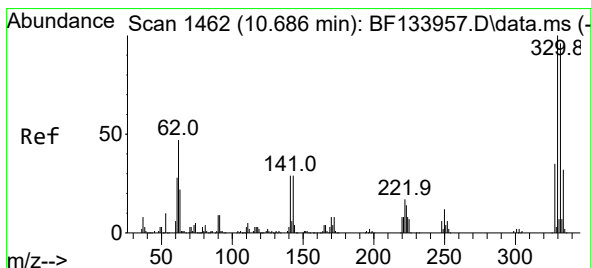
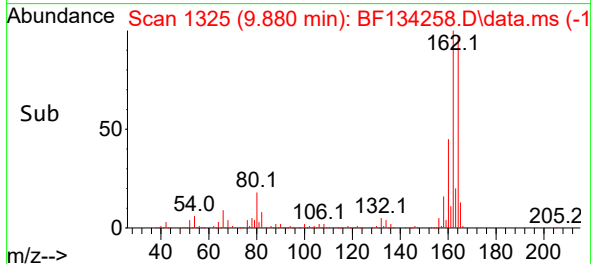
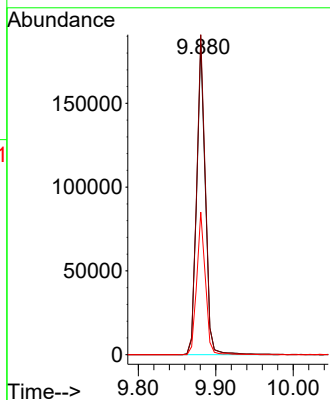
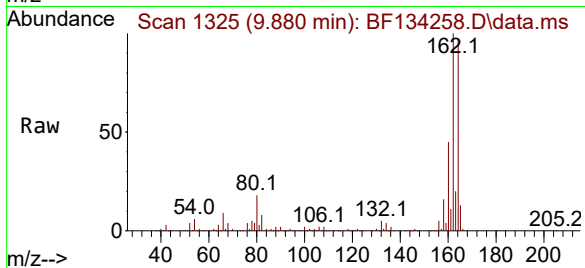
Tgt Ion:164 Resp: 144723

Ion Ratio Lower Upper

164 100

162 102.8 80.0 120.0

160 45.8 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 10.794 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF134258.D

Acq: 12 Jul 2023 21:31

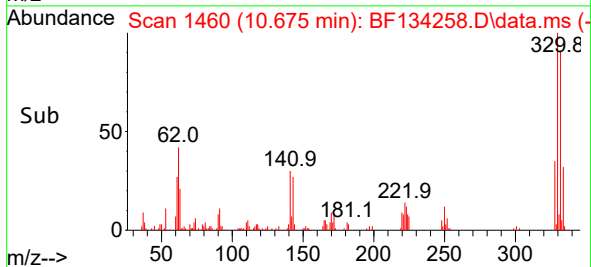
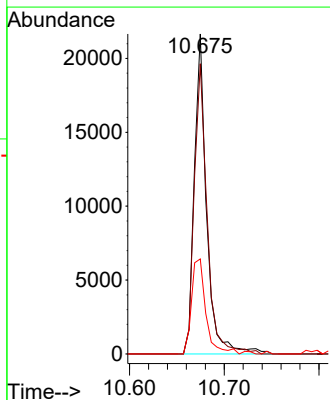
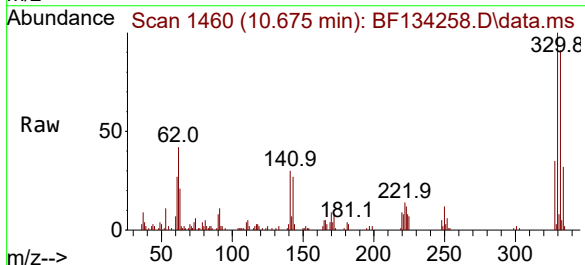
Tgt Ion:330 Resp: 19587

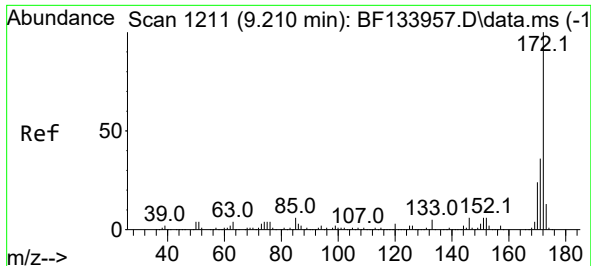
Ion Ratio Lower Upper

330 100

332 95.2 77.0 115.6

141 35.1 26.3 39.5





#45

2-Fluorobiphenyl

Concen: 10.767 ng

RT: 9.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134258.D

Acq: 12 Jul 2023 21:31

Instrument :

BNA_F

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SB-2(0-2)DL

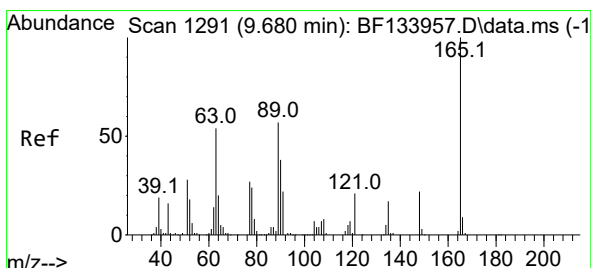
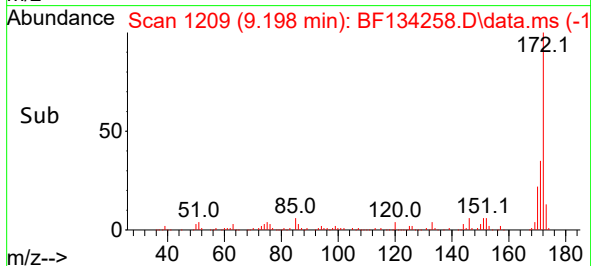
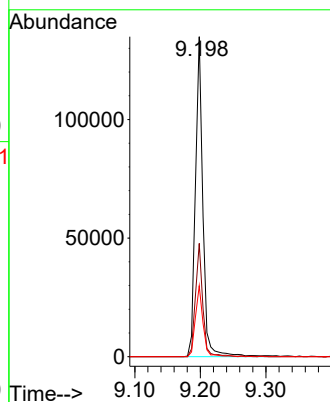
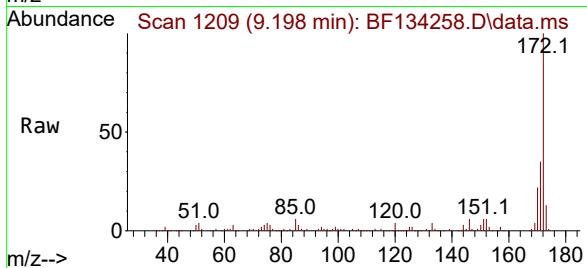
Tgt Ion:172 Resp: 107175

Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

170 22.1 19.4 29.0



#51

2,6-Dinitrotoluene

Concen: 8.064 ng

RT: 9.880 min Scan# 1325

Delta R.T. 0.206 min

Lab File: BF134258.D

Acq: 12 Jul 2023 21:31

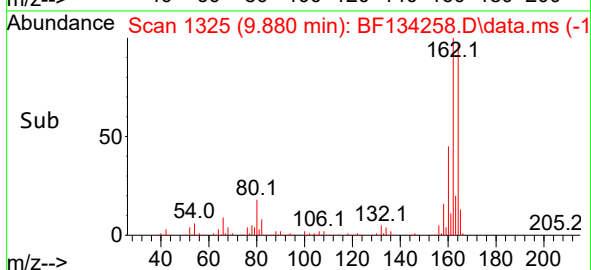
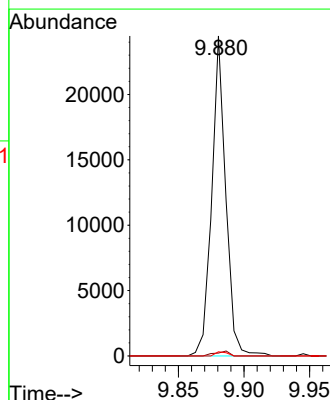
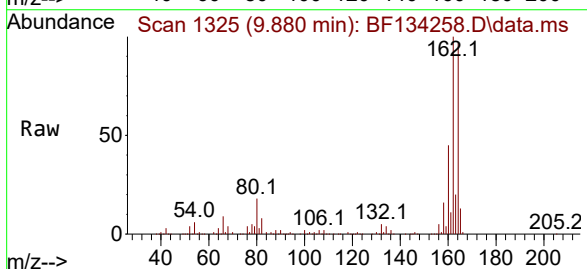
Tgt Ion:165 Resp: 18246

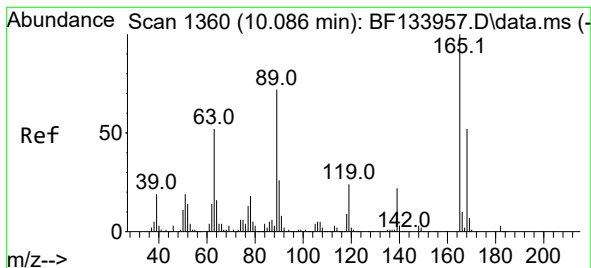
Ion Ratio Lower Upper

165 100

63 0.9 48.5 72.7#

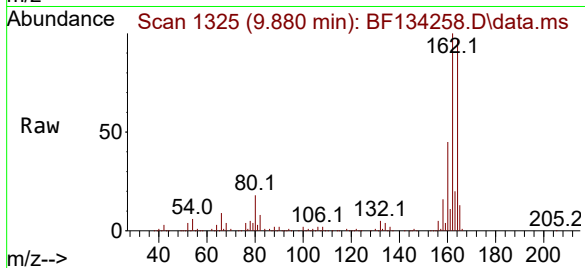
89 1.3 45.5 68.3#



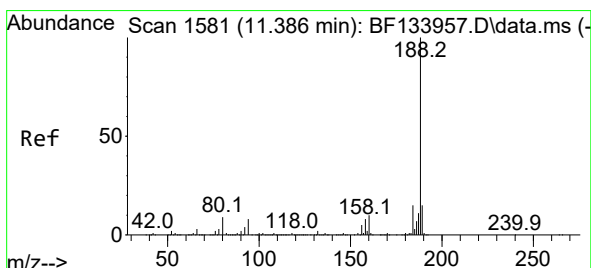
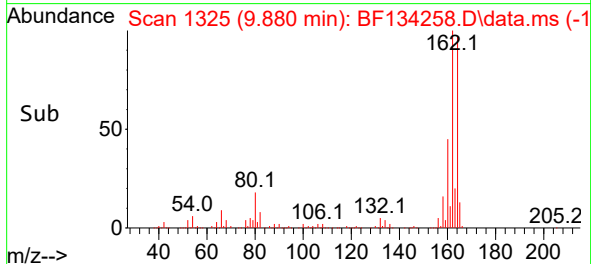
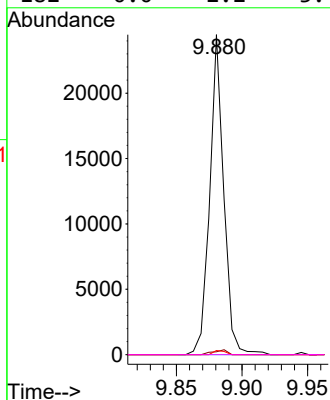


#57
2,4-Dinitrotoluene
Concen: 6.106 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

Instrument :
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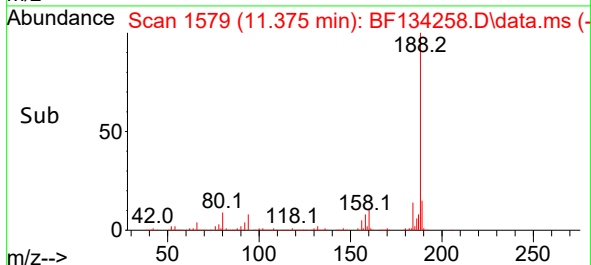
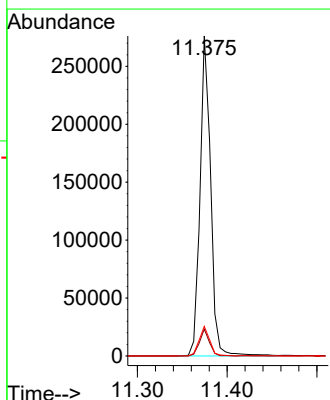
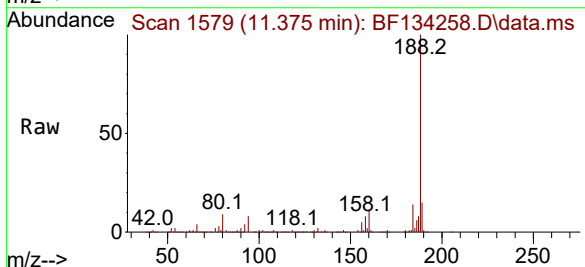


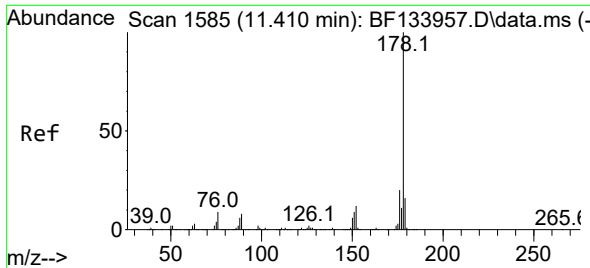
Tgt Ion:165 Resp: 18246
Ion Ratio Lower Upper
165 100
63 0.9 42.2 63.2#
89 1.3 57.4 86.2#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

Tgt Ion:188 Resp: 226991
Ion Ratio Lower Upper
188 100
94 8.4 6.4 9.6
80 9.3 7.3 10.9

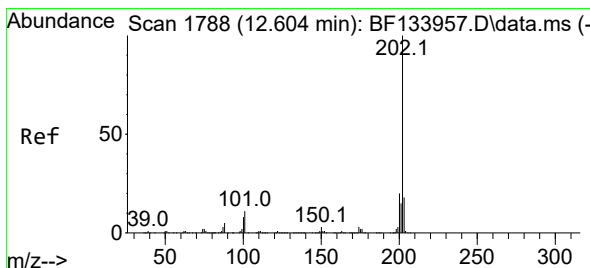
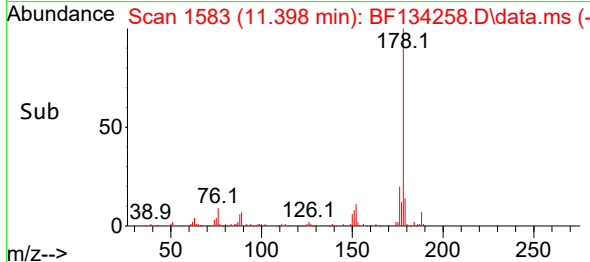
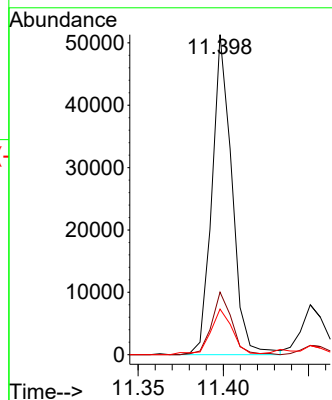
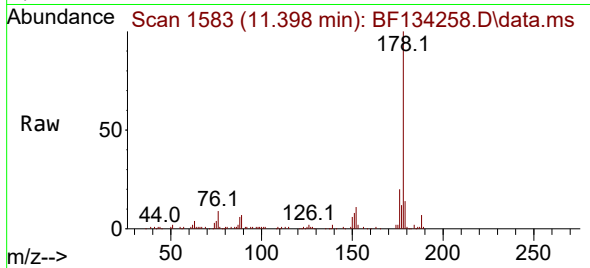




#71
Phenanthrene
Concen: 3.645 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

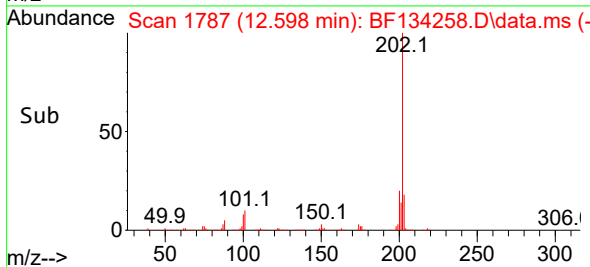
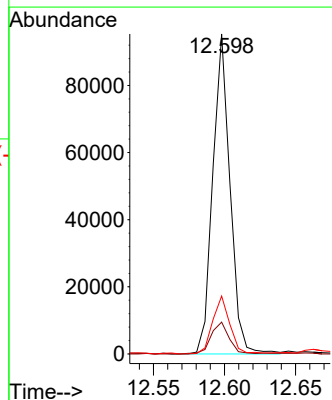
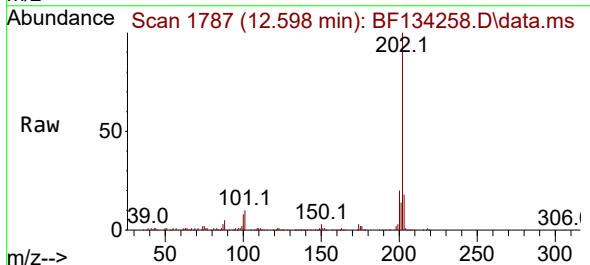
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)DL

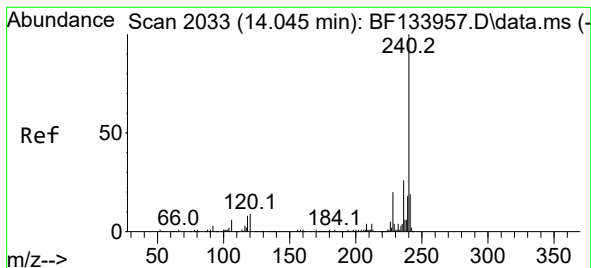
Tgt Ion:178 Resp: 41656
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 14.2 12.4 18.6



#75
Fluoranthene
Concen: 6.543 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

Tgt Ion:202 Resp: 80827
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.0
203 18.1 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF134258.D

Acq: 12 Jul 2023 21:31

Instrument :

BNA_F

ClientSampleId :

SB-2(0-2)DL

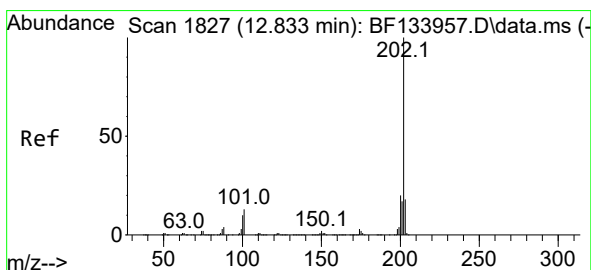
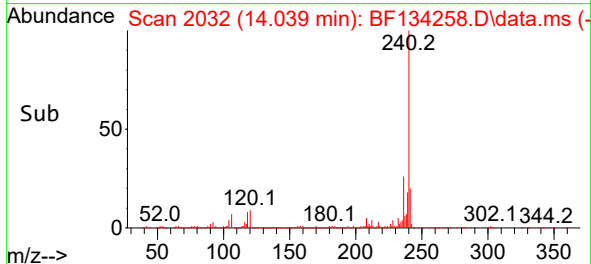
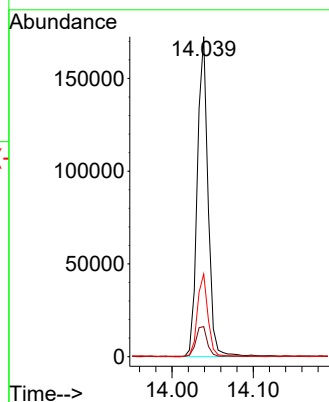
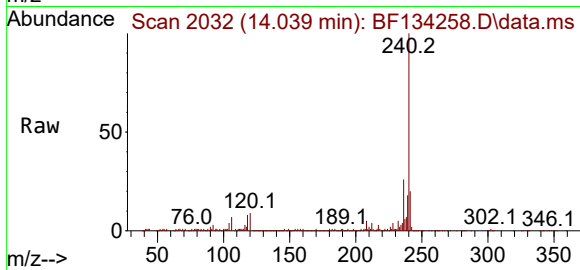
Tgt Ion:240 Resp: 159884

Ion Ratio Lower Upper

240 100

120 9.4 7.4 11.0

236 25.8 21.0 31.6



#78

Pyrene

Concen: 4.466 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF134258.D

Acq: 12 Jul 2023 21:31

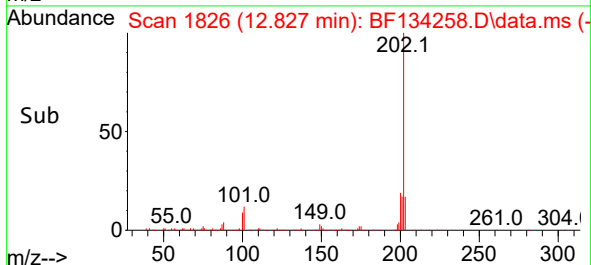
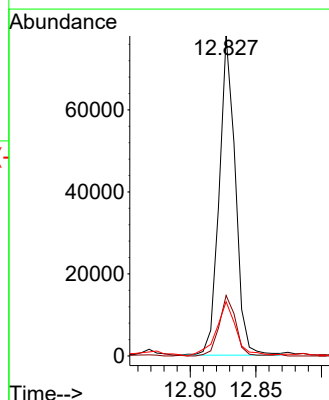
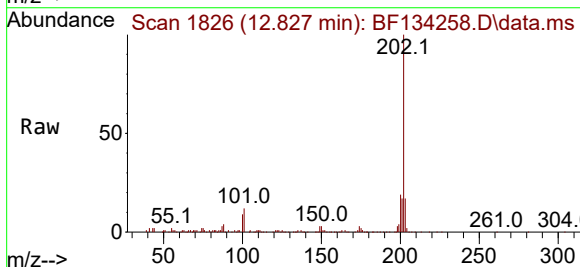
Tgt Ion:202 Resp: 66454

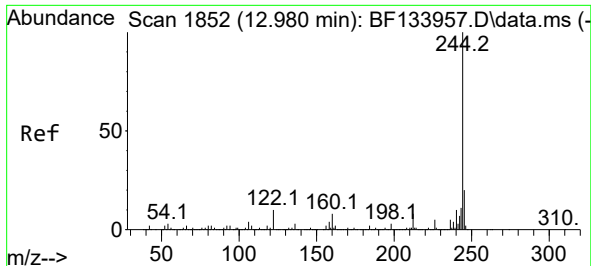
Ion Ratio Lower Upper

202 100

200 18.9 16.1 24.1

203 17.0 14.3 21.5

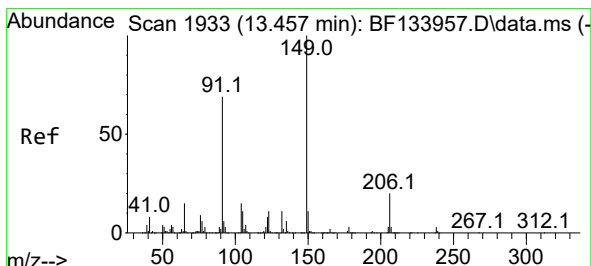
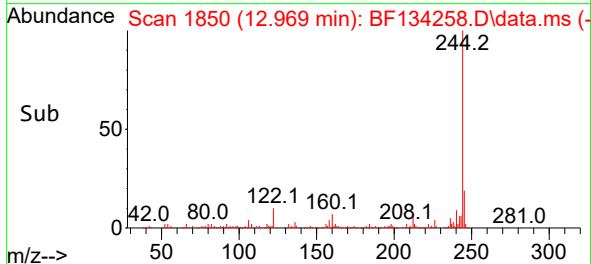
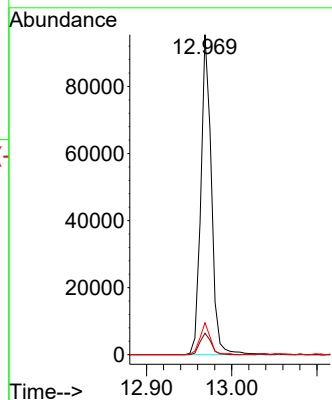
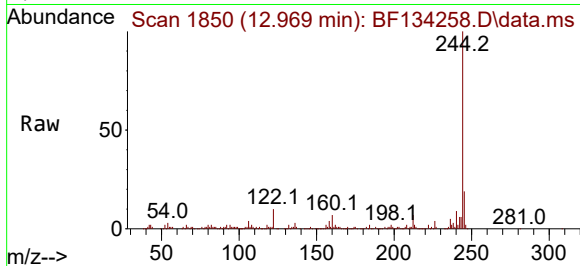




#79
 Terphenyl-d14
 Concen: 8.256 ng
 RT: 12.969 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134258.D
 Acq: 12 Jul 2023 21:31

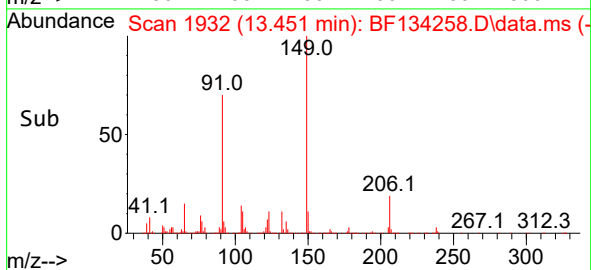
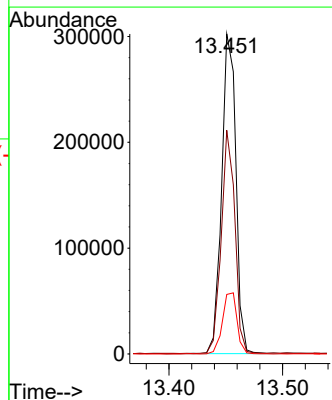
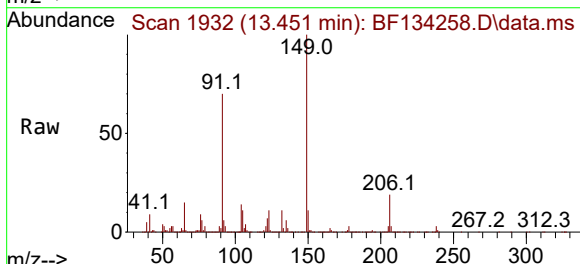
Instrument :
 BNA_F
 ClientSampleId :
 SB-2(0-2)DL

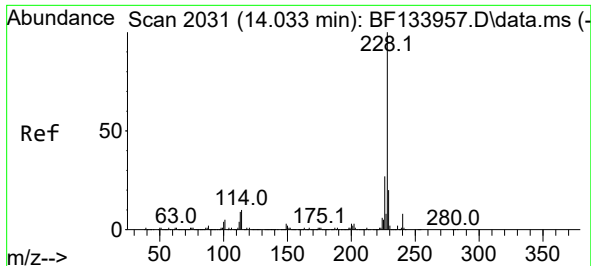
Tgt Ion:244 Resp: 82013
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 10.0 8.3 12.5



#80
 Butylbenzylphthalate
 Concen: 47.364 ng
 RT: 13.451 min Scan# 1932
 Delta R.T. 0.000 min
 Lab File: BF134258.D
 Acq: 12 Jul 2023 21:31

Tgt Ion:149 Resp: 264312
 Ion Ratio Lower Upper
 149 100
 91 69.9 55.1 82.7
 206 18.6 15.7 23.5

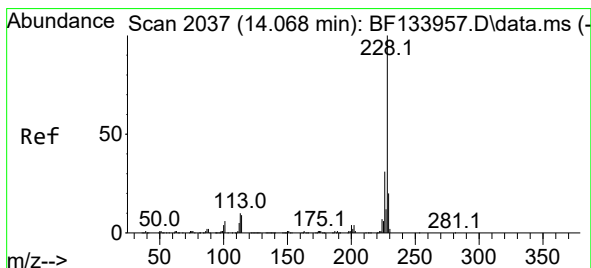
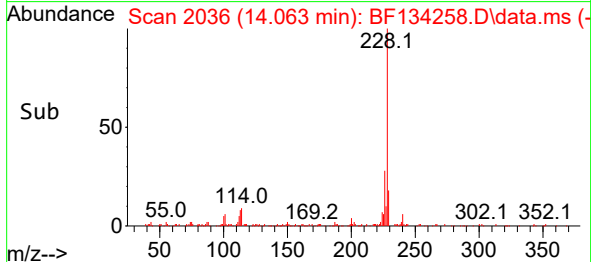
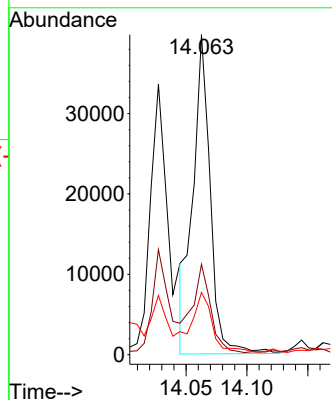
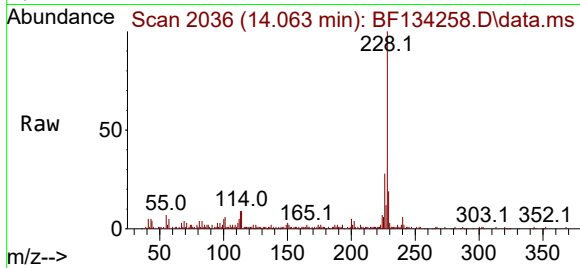




#81
Benzo(a)anthracene
Concen: 3.554 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.029 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

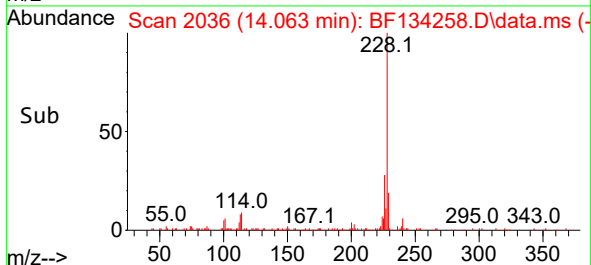
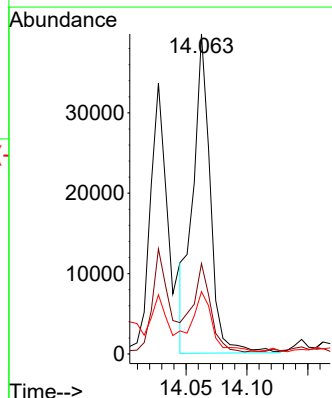
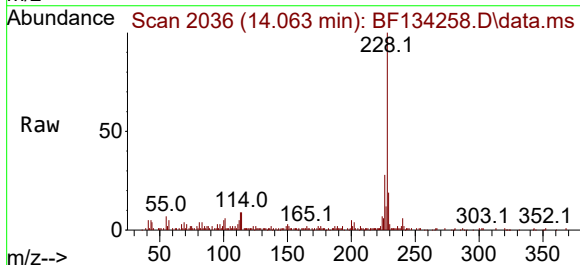
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)DL

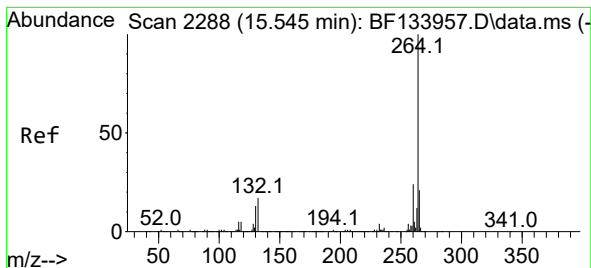
Tgt Ion:228 Resp: 39408
Ion Ratio Lower Upper
228 100
226 28.2 22.0 33.0
229 19.4 16.3 24.5



#83
Chrysene
Concen: 3.669 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

Tgt Ion:228 Resp: 39408
Ion Ratio Lower Upper
228 100
226 28.2 24.4 36.6
229 19.4 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: BF134258.D

Acq: 12 Jul 2023 21:31

Instrument :

BNA_F

ClientSampleId :

SB-2(0-2)DL

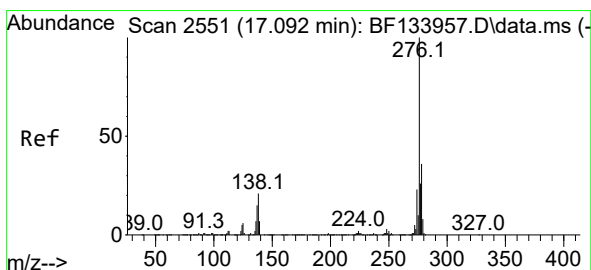
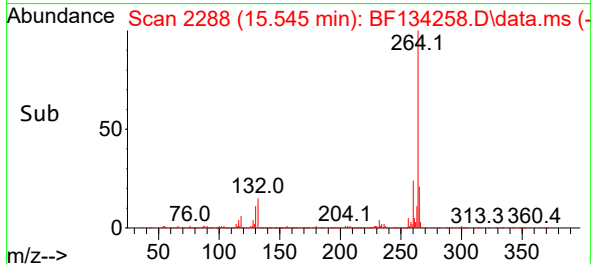
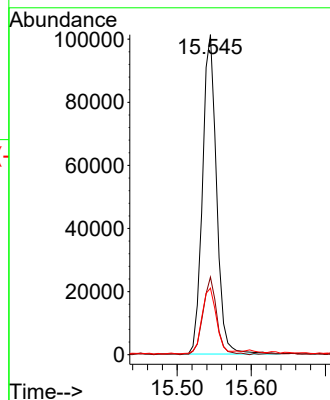
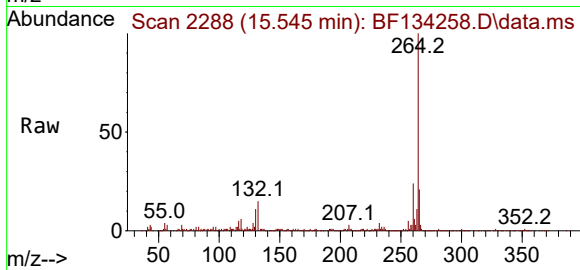
Tgt Ion:264 Resp: 132869

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 20.8 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.824 ng

RT: 17.092 min Scan# 2551

Delta R.T. -0.006 min

Lab File: BF134258.D

Acq: 12 Jul 2023 21:31

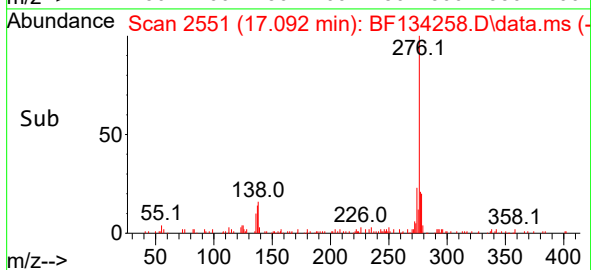
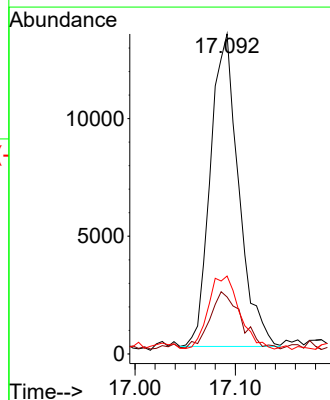
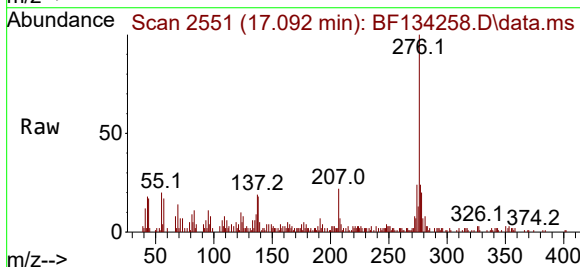
Tgt Ion:276 Resp: 26039

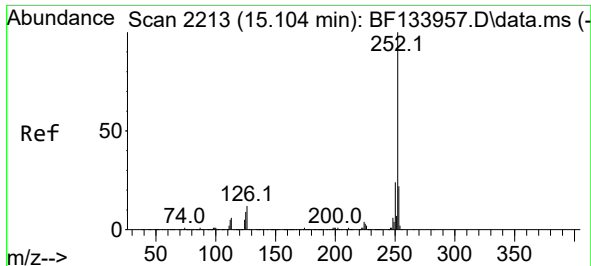
Ion Ratio Lower Upper

276 100

138 20.2 18.7 28.1

277 26.4 19.9 29.9

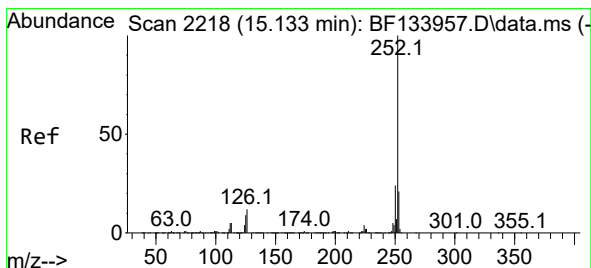
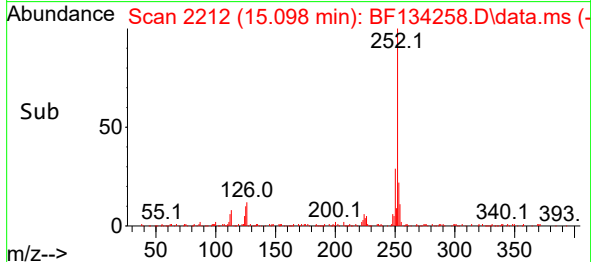
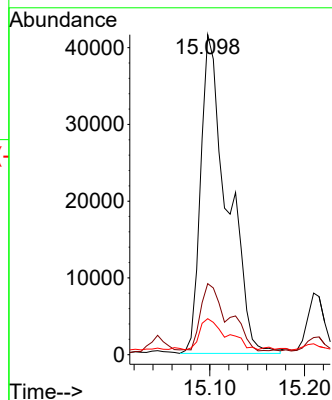
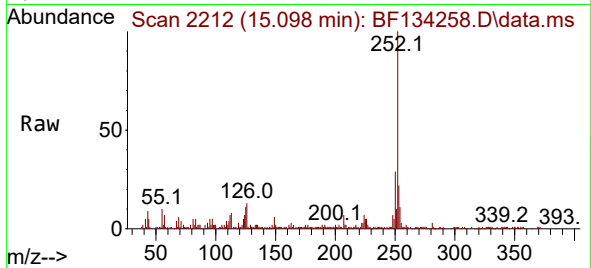




#88
Benzo(b)fluoranthene
Concen: 10.379 ng
RT: 15.098 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

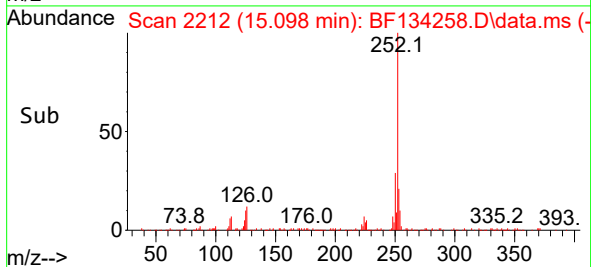
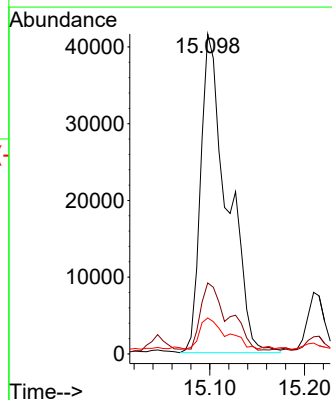
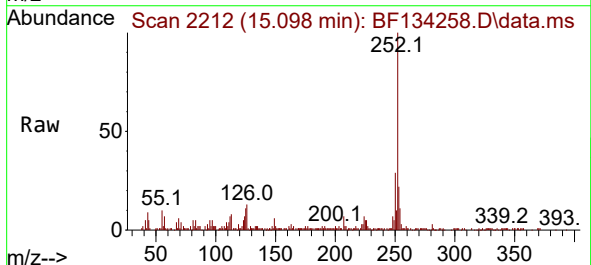
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)DL

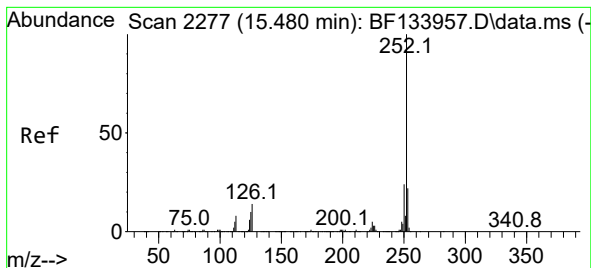
Tgt Ion:252 Resp: 81087
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 11.3 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 10.194 ng
RT: 15.098 min Scan# 2212
Delta R.T. -0.035 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

Tgt Ion:252 Resp: 81087
Ion Ratio Lower Upper
252 100
253 22.2 16.9 25.3
125 11.3 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 4.357 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134258.D

Acq: 12 Jul 2023 21:31

Instrument :

BNA_F

ClientSampleId :

SB-2(0-2)DL

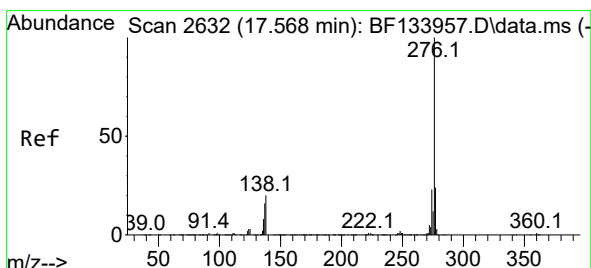
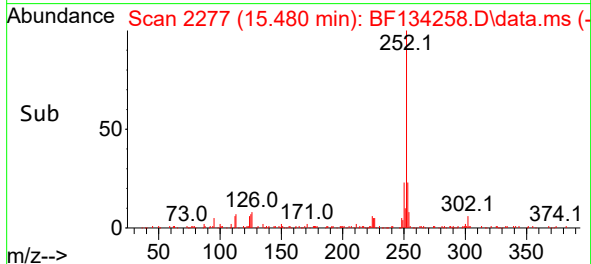
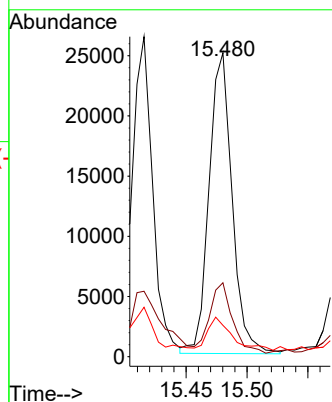
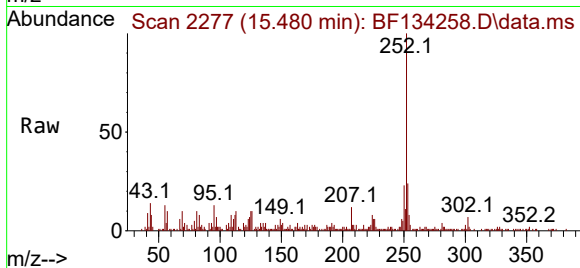
Tgt Ion:252 Resp: 32913

Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.0

125 10.3 8.4 12.6



#92

Benzo(g,h,i)perylene

Concen: 3.256 ng

RT: 17.562 min Scan# 2631

Delta R.T. -0.006 min

Lab File: BF134258.D

Acq: 12 Jul 2023 21:31

Tgt Ion:276 Resp: 25284

Ion Ratio Lower Upper

276 100

277 21.1 19.0 28.6

138 17.9 16.2 24.2

