

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
 Data File : BF134140.D
 Acq On : 07 Jul 2023 16:24
 Operator : CG\JU
 Sample : 03362-14 4X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-19-20

Quant Time: Jul 07 23:05:39 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)

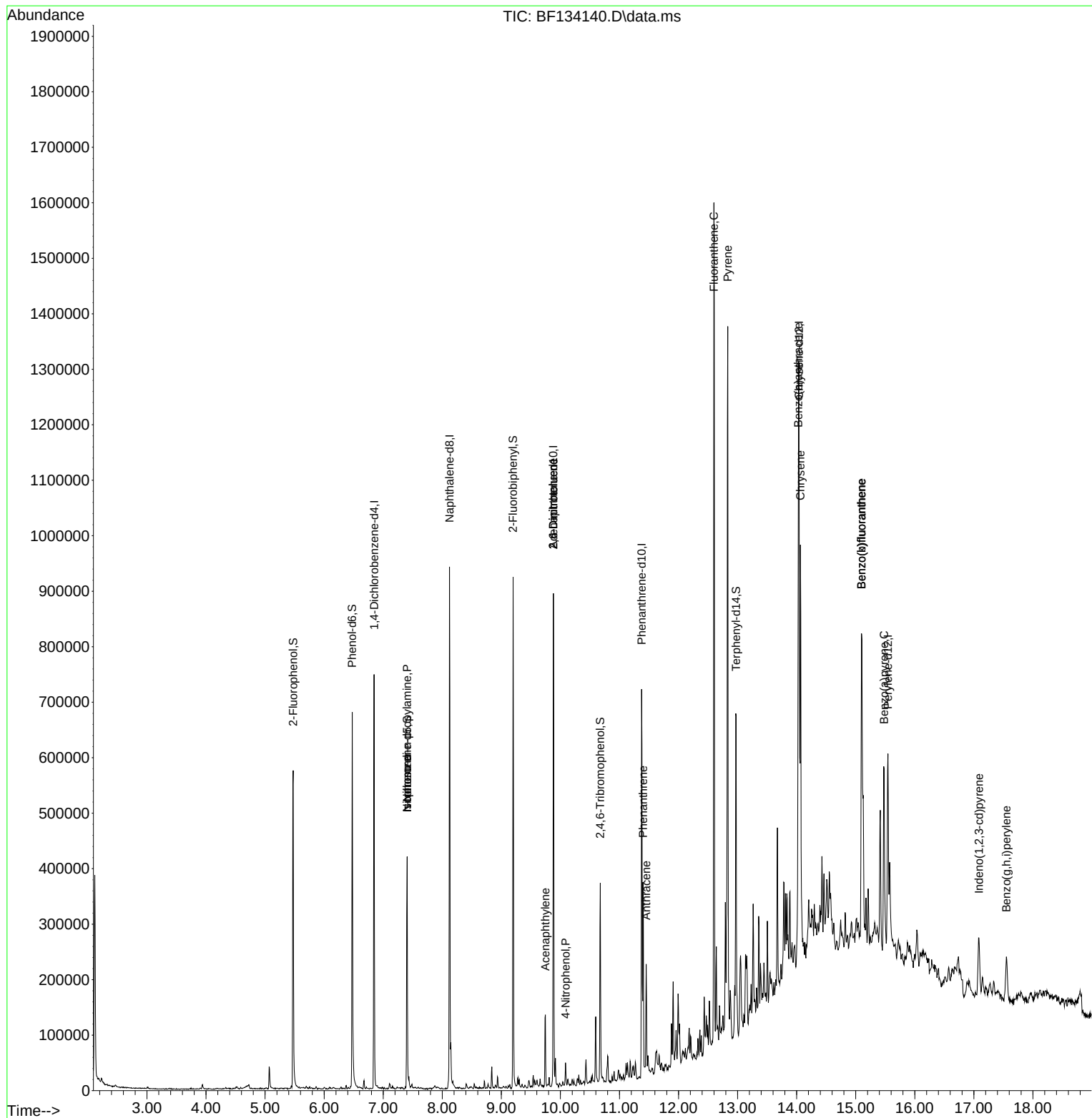
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	102843	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	388013	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	165233	20.000	ng	-0.01
64) Phenanthrene-d10	11.375	188	264845	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	211331	20.000	ng	-0.01
86) Perylene-d12	15.545	264	175764	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	159482	25.940	ng	-0.01
7) Phenol-d6	6.475	99	191567	25.336	ng	-0.02
23) Nitrobenzene-d5	7.404	82	124314	17.271	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	41131	19.854	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	249076	21.916	ng	-0.01
79) Terphenyl-d14	12.974	244	212961	16.218	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.410	77	742	Below Cal		Qvalue # 64
19) n-Nitroso-di-n-propyla...	7.404	70	17248	3.597	ng	# 75
25) Isophorone	7.404	82	124313	9.503	ng	# 64
49) Acenaphthylene	9.745	152	58081	3.506	ng	97
51) 2,6-Dinitrotoluene	9.881	165	21279	8.237	ng	# 24
56) 4-Nitrophenol	10.086	139	5026	2.318	ng	# 7
57) 2,4-Dinitrotoluene	9.881	165	21279	6.237	ng	# 22
71) Phenanthrene	11.398	178	126172	9.463	ng	99
72) Anthracene	11.451	178	80198	5.783	ng	97
75) Fluoranthene	12.598	202	619850	43.004	ng	100
78) Pyrene	12.833	202	542244	27.571	ng	99
81) Benzo(a)anthracene	14.027	228	342488	23.368	ng	98
83) Chrysene	14.063	228	305255	21.504	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	85043	6.973	ng	95
88) Benzo(b)fluoranthene	15.098	252	418277	40.472	ng	99
89) Benzo(k)fluoranthene	15.098	252	418277	39.750	ng	98
90) Benzo(a)pyrene	15.480	252	169685	16.979	ng	98
92) Benzo(g,h,i)perylene	17.551	276	74280	7.231	ng	99

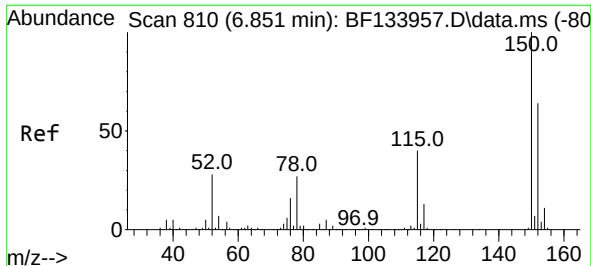
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
Data File : BF134140.D
Acq On : 07 Jul 2023 16:24
Operator : CG\JU
Sample : 03362-14 4X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

Quant Time: Jul 07 23:05:39 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

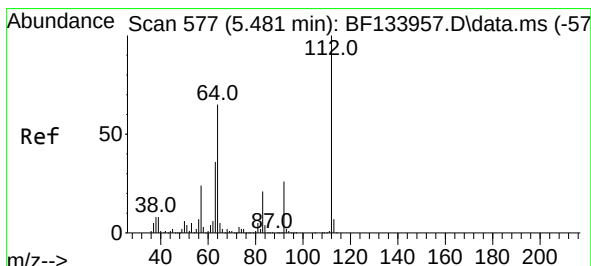
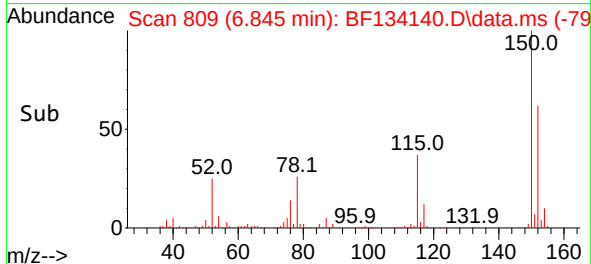
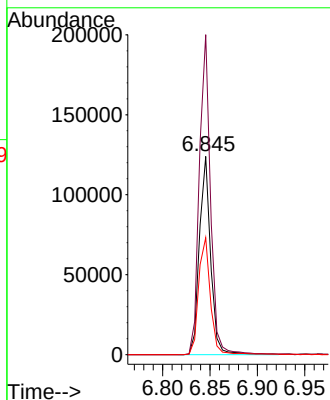
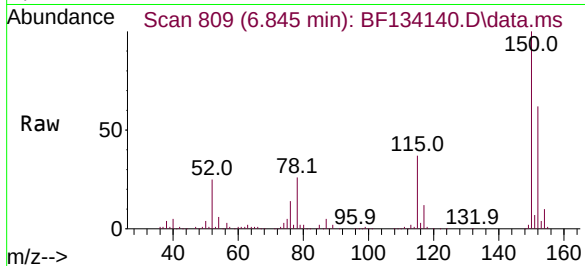




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

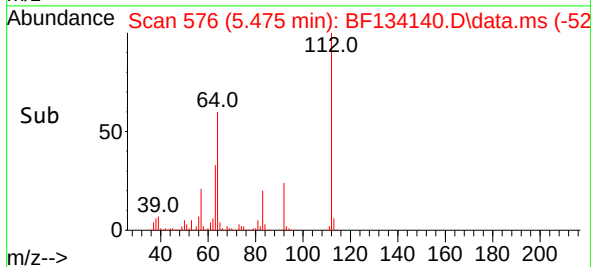
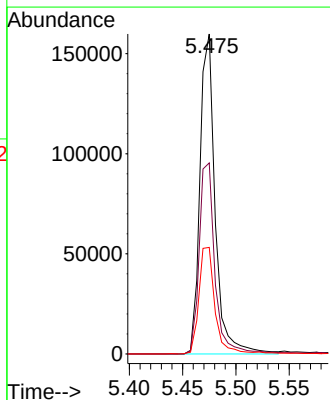
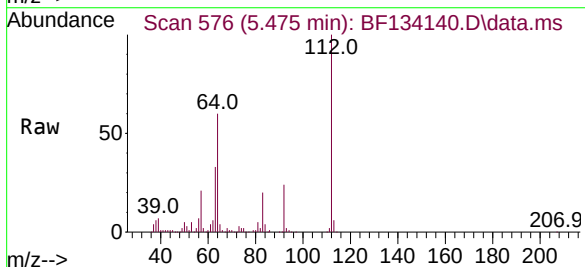
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

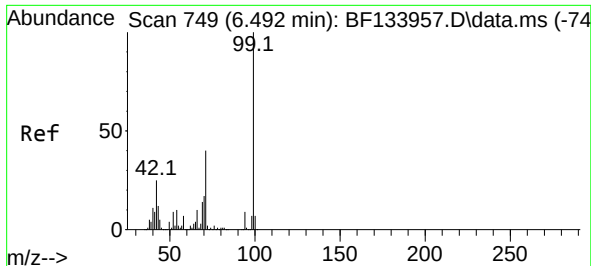
Tgt Ion:152 Resp: 102843
Ion Ratio Lower Upper
152 100
150 161.4 124.5 186.7
115 59.0 50.2 75.2



#5
2-Fluorophenol
Concen: 25.940 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

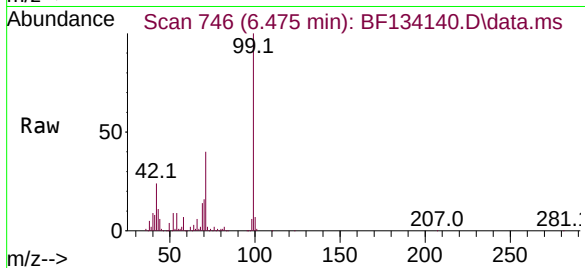
Tgt Ion:112 Resp: 159482
Ion Ratio Lower Upper
112 100
64 59.7 52.1 78.1
63 33.3 28.6 42.8





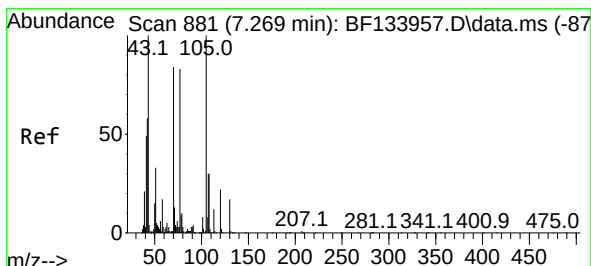
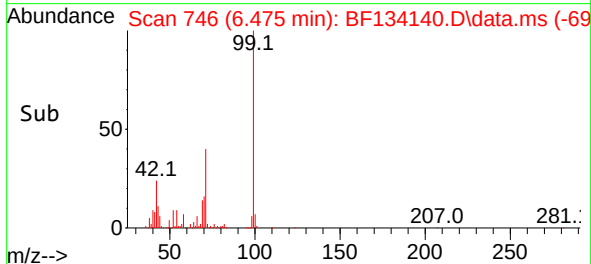
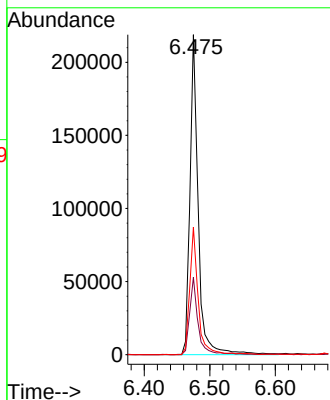
#7
Phenol-d6
Concen: 25.336 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20



Tgt Ion: 99 Resp: 191567

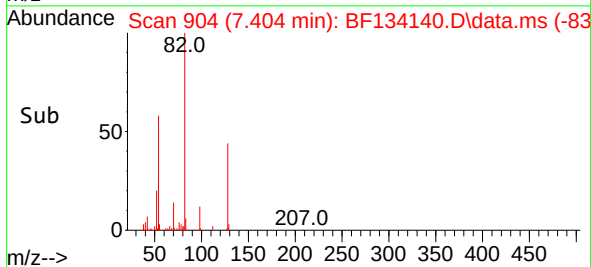
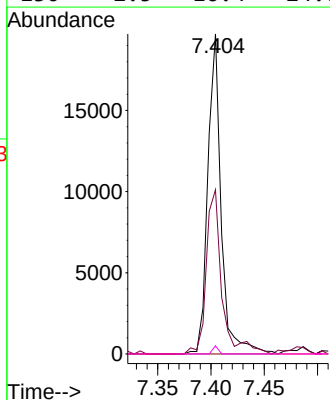
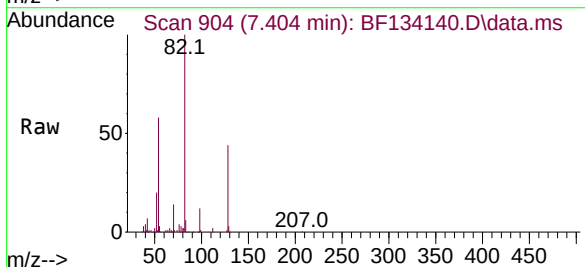
Ion	Ratio	Lower	Upper
99	100		
42	24.2	19.8	29.6
71	39.9	31.9	47.9

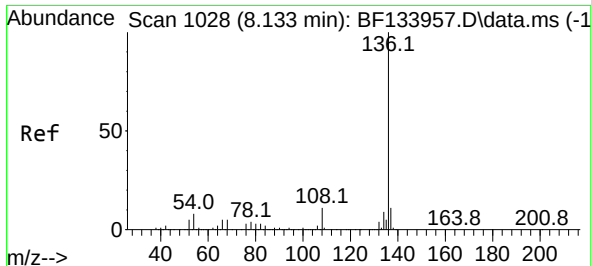


#19
n-Nitroso-di-n-propylamine
Concen: 3.597 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

Tgt Ion: 70 Resp: 17248

Ion	Ratio	Lower	Upper
70	100		
42	51.3	54.7	82.1#
101	0.0	7.7	11.5#
130	2.5	16.4	24.6#



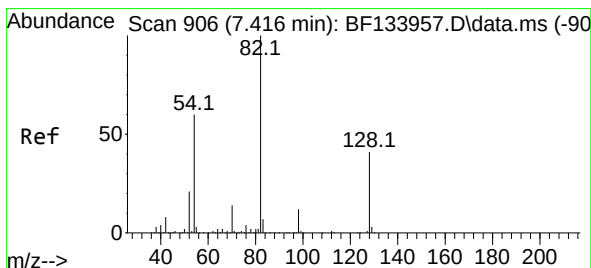
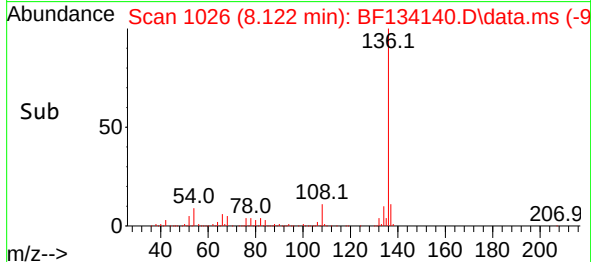
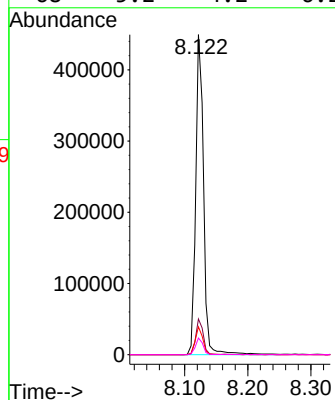
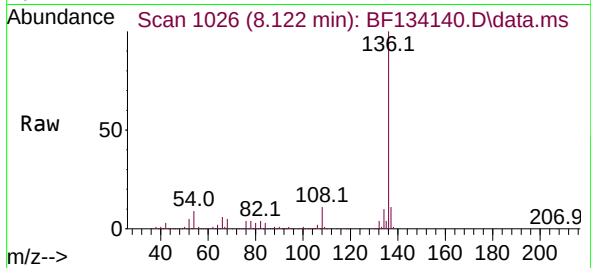


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

Tgt Ion:136 Resp: 388013

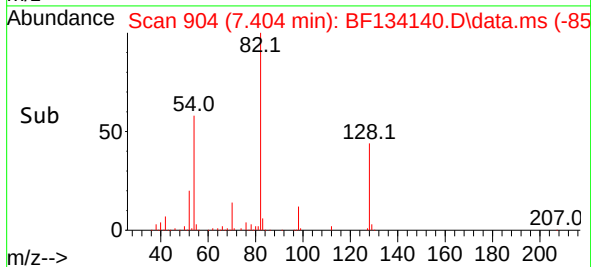
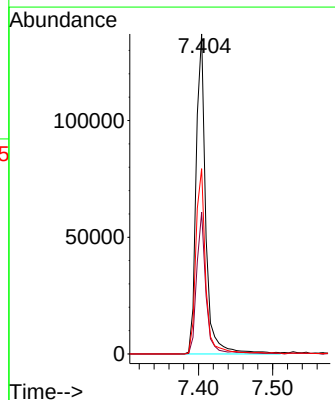
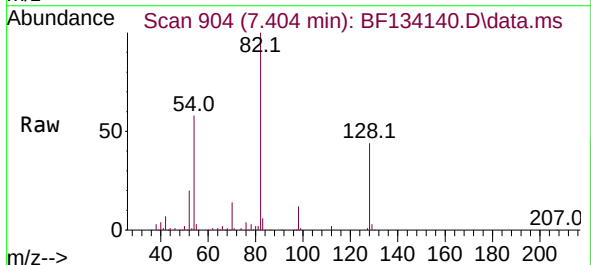
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	8.7	6.5	9.7
68	5.2	4.2	6.2

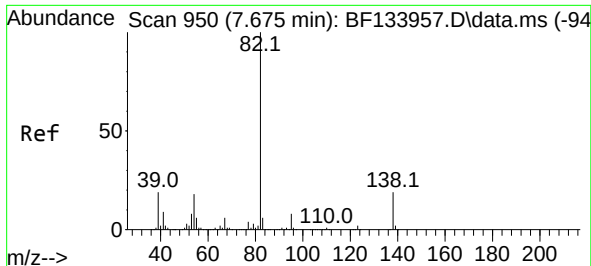


#23
Nitrobenzene-d5
Concen: 17.271 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

Tgt Ion: 82 Resp: 124314

Ion	Ratio	Lower	Upper
82	100		
128	44.3	32.5	48.7
54	57.9	48.2	72.2

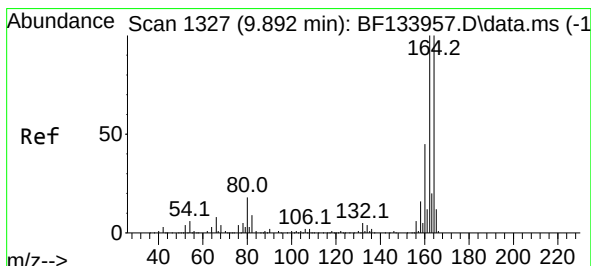
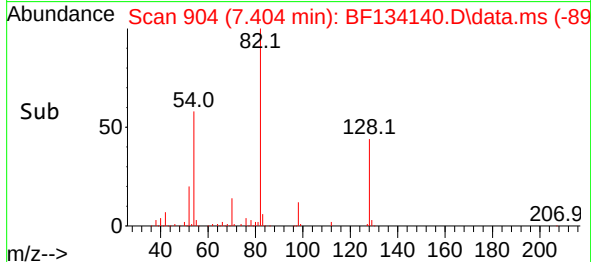
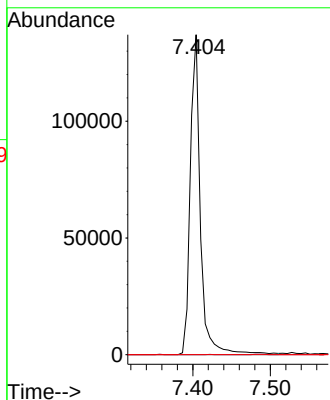
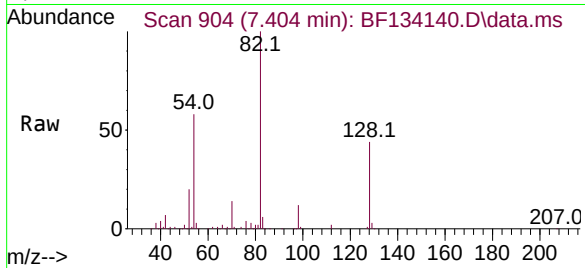




#25
Isophorone
Concen: 9.503 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.271 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

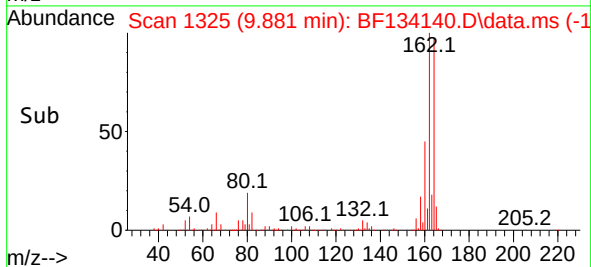
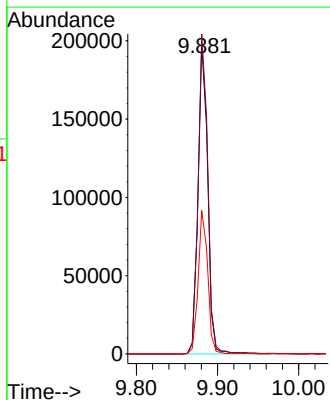
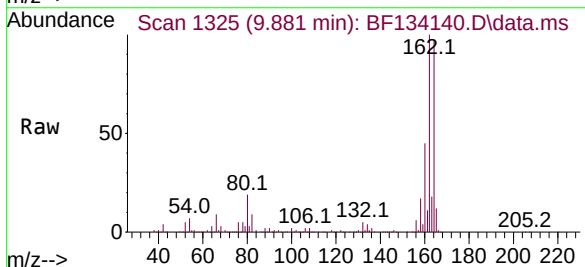
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

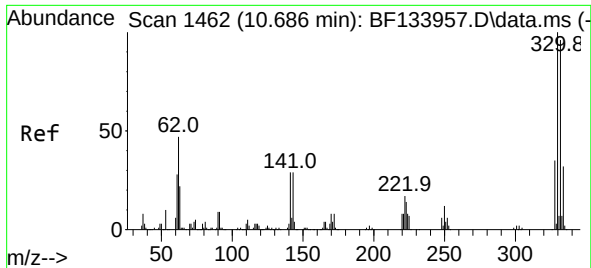
Tgt Ion: 82 Resp: 124313
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

Tgt Ion: 164 Resp: 165233
Ion Ratio Lower Upper
164 100
162 103.2 80.0 120.0
160 46.3 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 19.854 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.012 min

Lab File: BF134140.D

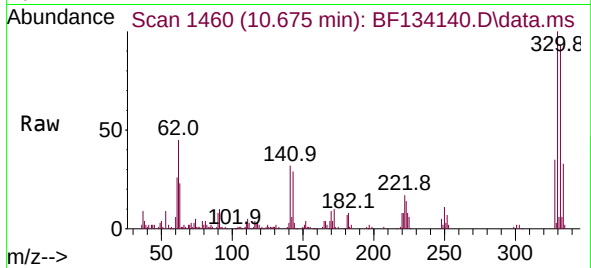
Acq: 07 Jul 2023 16:24

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20



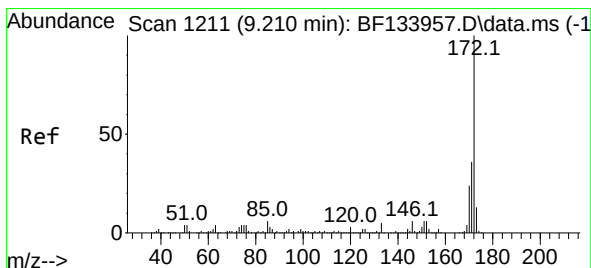
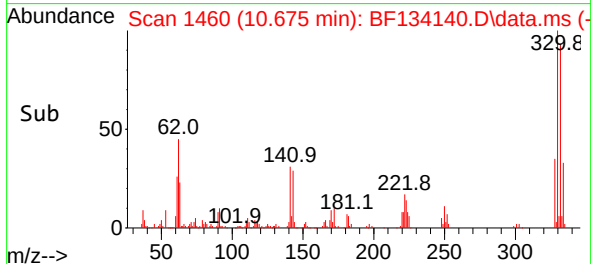
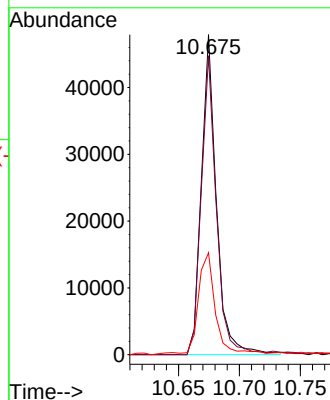
Tgt Ion:330 Resp: 41131

Ion Ratio Lower Upper

330 100

332 93.5 77.0 115.6

141 37.2 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 21.916 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.012 min

Lab File: BF134140.D

Acq: 07 Jul 2023 16:24

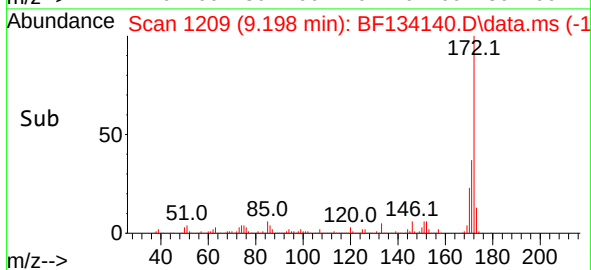
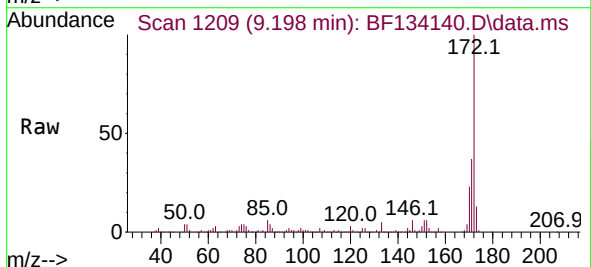
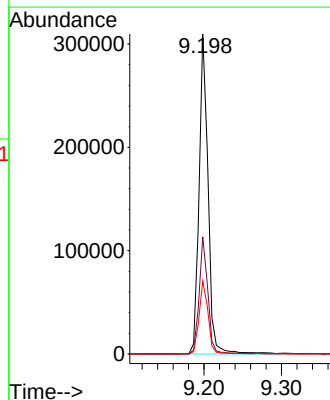
Tgt Ion:172 Resp: 249076

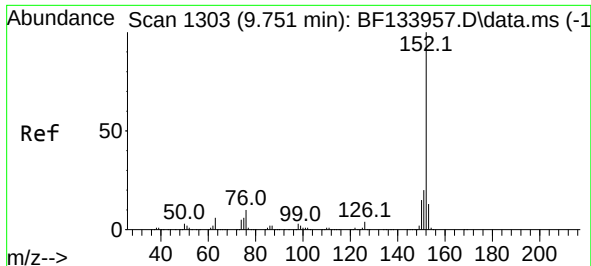
Ion Ratio Lower Upper

172 100

171 36.6 28.6 43.0

170 22.8 19.4 29.0





#49

Acenaphthylene

Concen: 3.506 ng

RT: 9.745 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134140.D

Acq: 07 Jul 2023 16:24

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

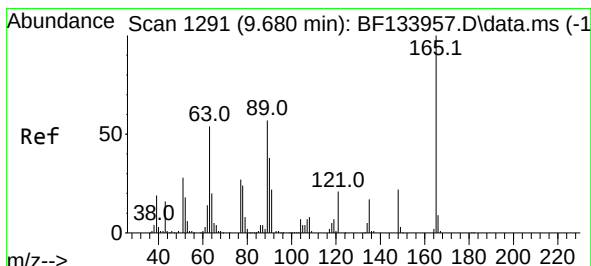
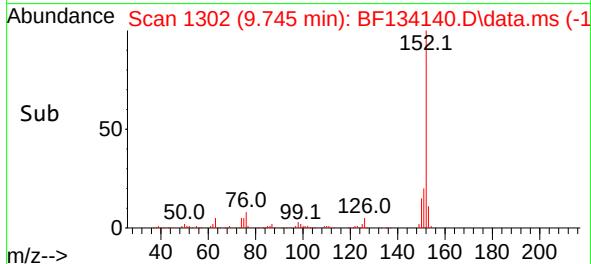
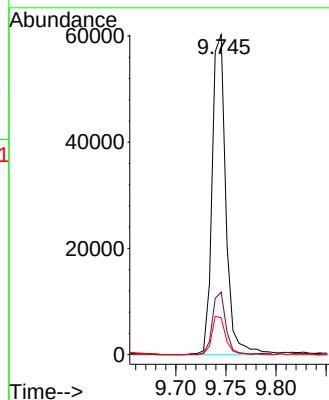
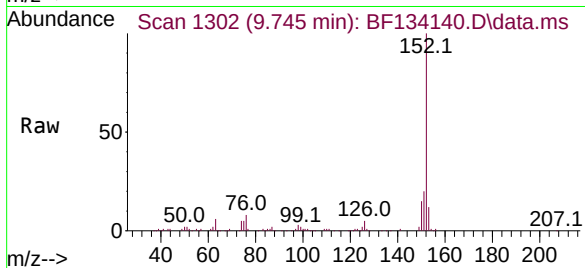
Tgt Ion:152 Resp: 58081

Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.2

153 11.5 10.8 16.2



#51

2,6-Dinitrotoluene

Concen: 8.237 ng

RT: 9.881 min Scan# 1325

Delta R.T. 0.200 min

Lab File: BF134140.D

Acq: 07 Jul 2023 16:24

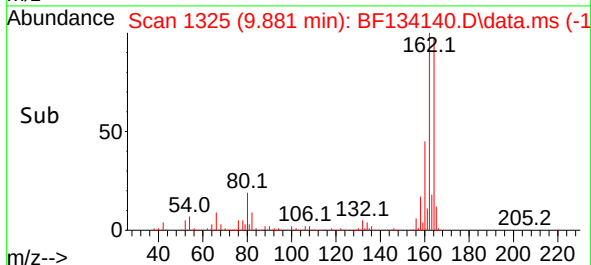
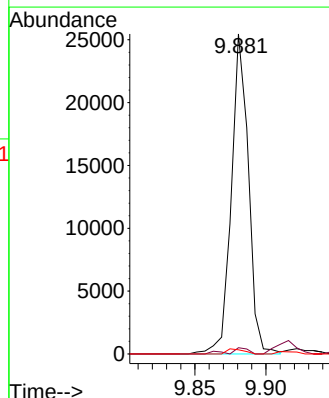
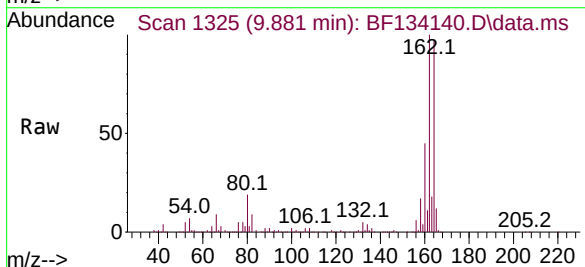
Tgt Ion:165 Resp: 21279

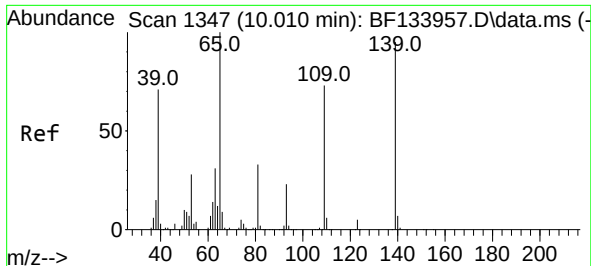
Ion Ratio Lower Upper

165 100

63 1.9 48.5 72.7#

89 1.3 45.5 68.3#

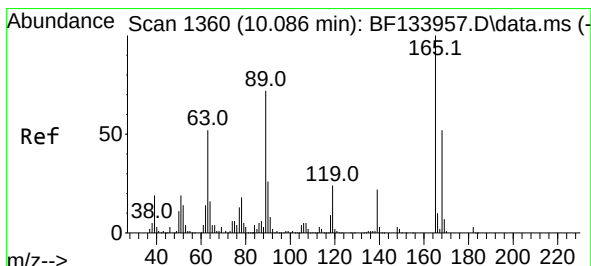
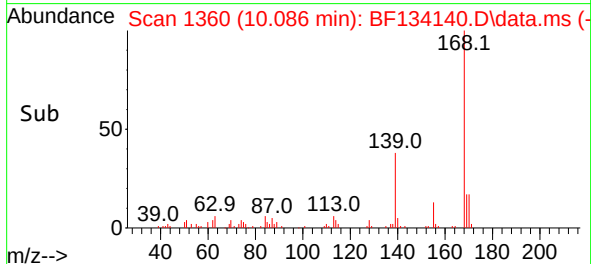
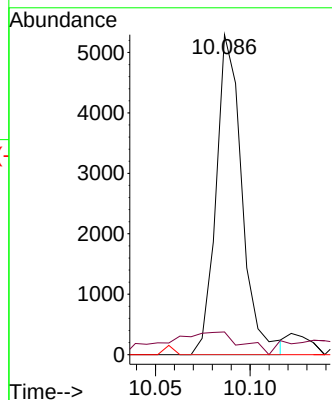
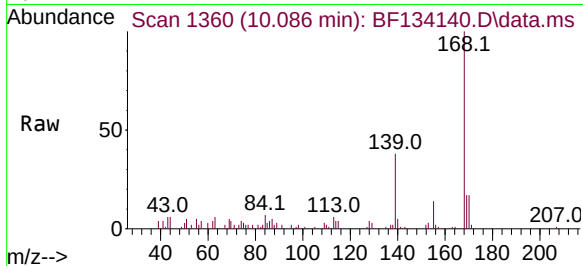




#56
4-Nitrophenol
Concen: 2.318 ng
RT: 10.086 min Scan# 11
Delta R.T. 0.071 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

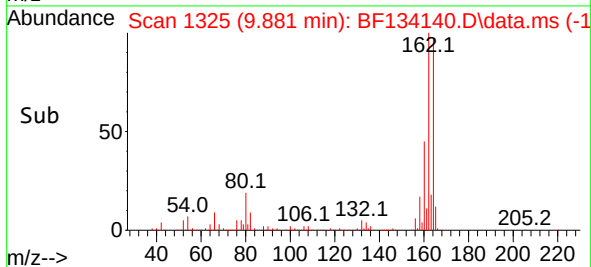
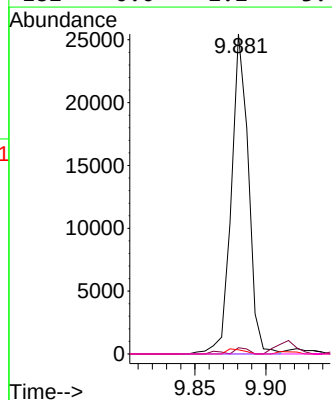
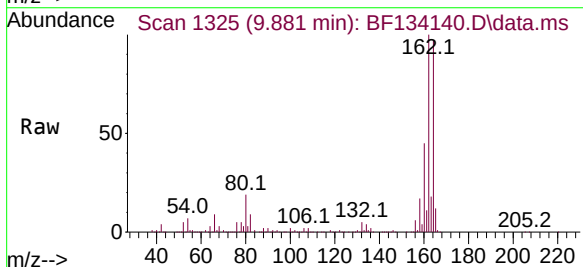
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

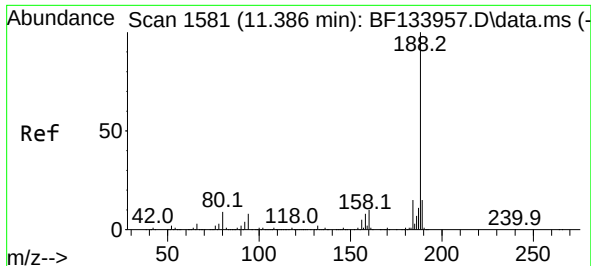
Tgt Ion:139 Resp: 5026
Ion Ratio Lower Upper
139 100
109 7.1 56.8 96.8#
65 0.0 86.1 126.1#



#57
2,4-Dinitrotoluene
Concen: 6.237 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.206 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

Tgt Ion:165 Resp: 21279
Ion Ratio Lower Upper
165 100
63 1.9 42.2 63.2#
89 1.3 57.4 86.2#
182 0.0 2.2 3.4#

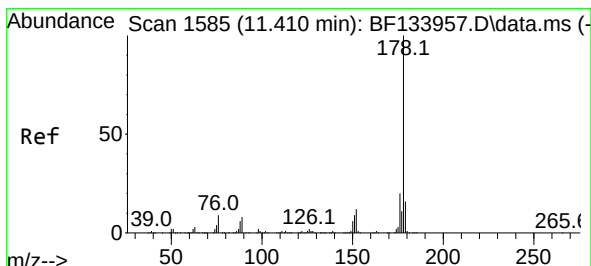
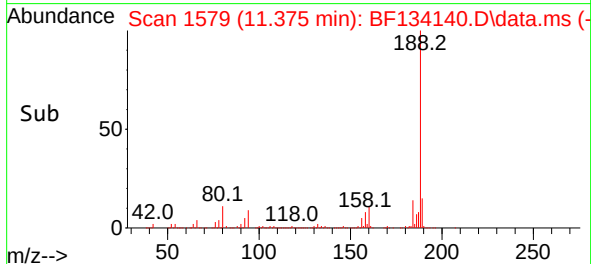
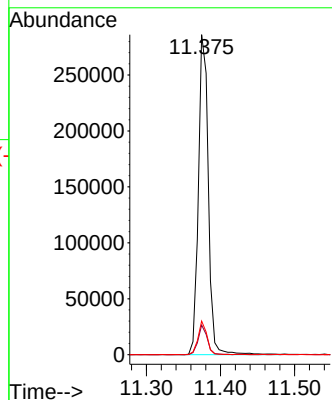
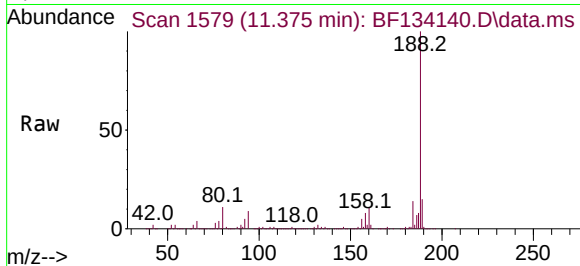




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

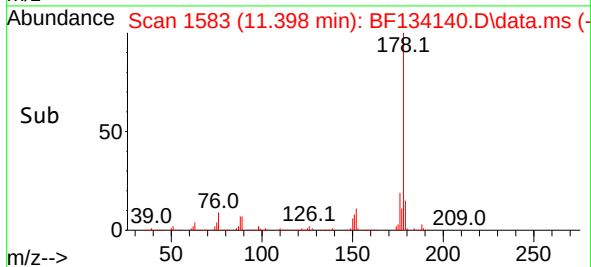
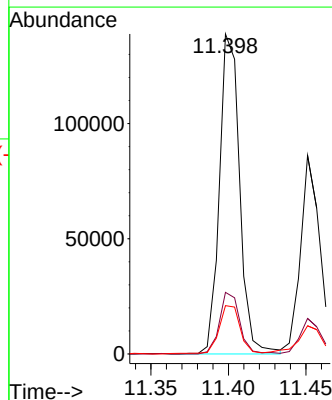
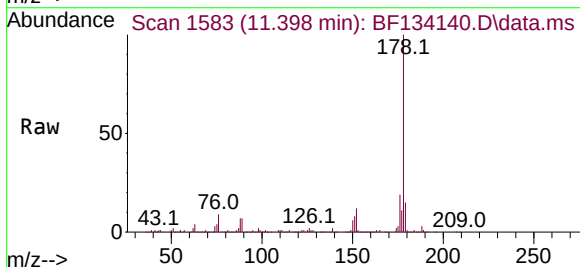
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

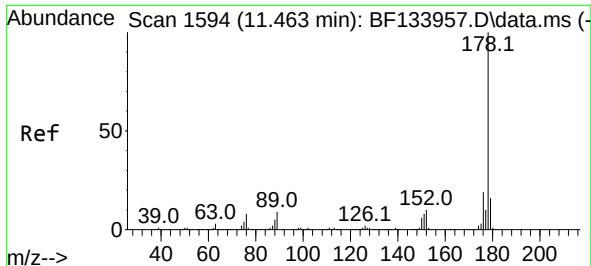
Tgt Ion:188 Resp: 264845
Ion Ratio Lower Upper
188 100
94 9.3 6.4 9.6
80 10.5 7.3 10.9



#71
Phenanthrene
Concen: 9.463 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BF134140.D
Acq: 07 Jul 2023 16:24

Tgt Ion:178 Resp: 126172
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.1 12.4 18.6

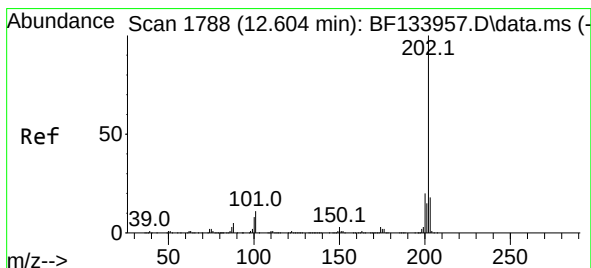
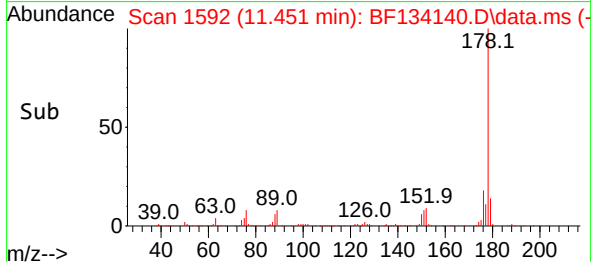
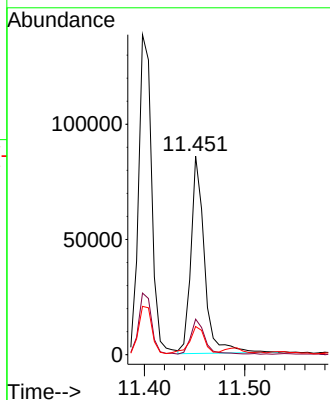
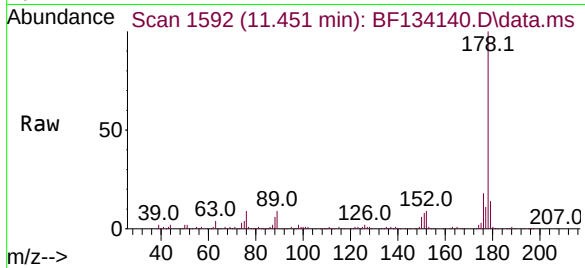




#72
 Anthracene
 Concen: 5.783 ng
 RT: 11.451 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134140.D
 Acq: 07 Jul 2023 16:24

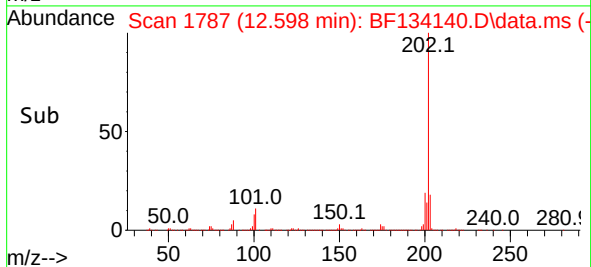
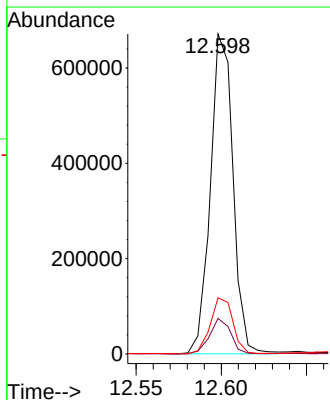
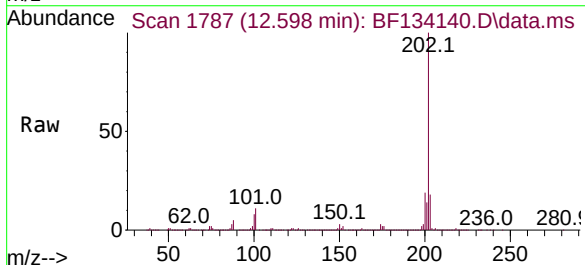
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-19-20

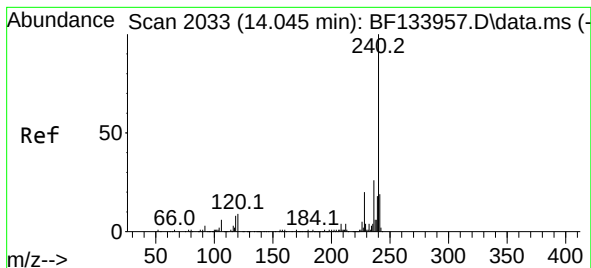
Tgt Ion:178 Resp: 80198
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.3 22.9
 179 14.2 12.4 18.6



#75
 Fluoranthene
 Concen: 43.004 ng
 RT: 12.598 min Scan# 1787
 Delta R.T. -0.012 min
 Lab File: BF134140.D
 Acq: 07 Jul 2023 16:24

Tgt Ion:202 Resp: 619850
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 31.0
 203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2033

Delta R.T. -0.012 min

Lab File: BF134140.D

Acq: 07 Jul 2023 16:24

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

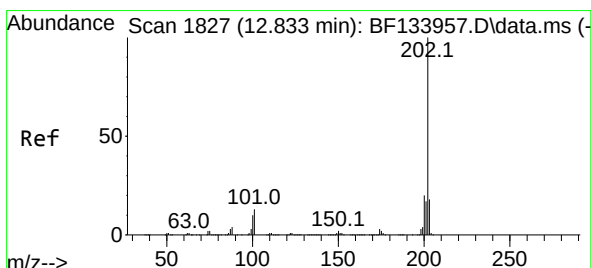
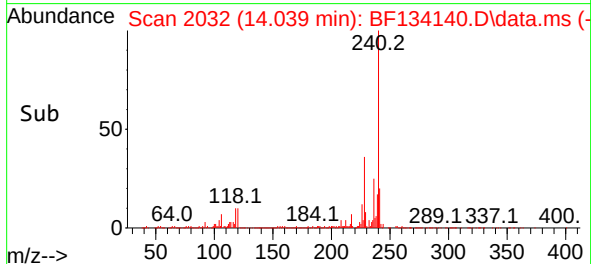
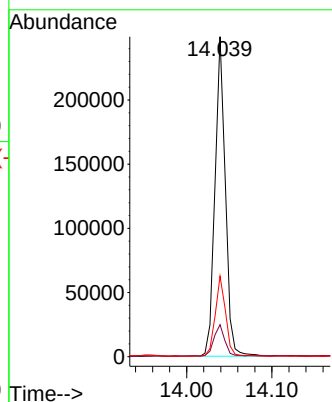
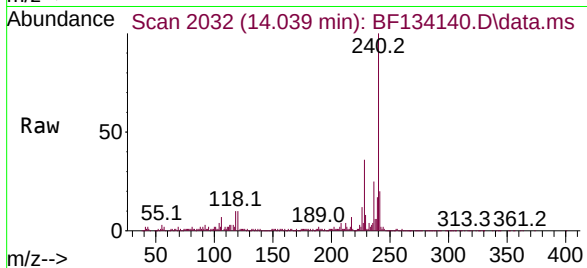
Tgt Ion:240 Resp: 211331

Ion Ratio Lower Upper

240 100

120 10.0 7.4 11.0

236 25.1 21.0 31.6



#78

Pyrene

Concen: 27.571 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF134140.D

Acq: 07 Jul 2023 16:24

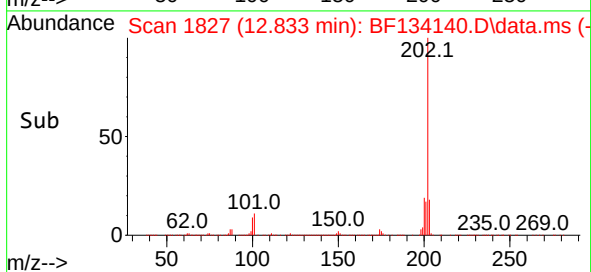
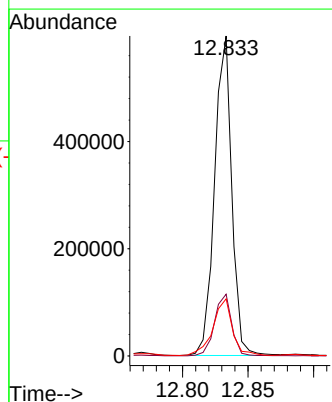
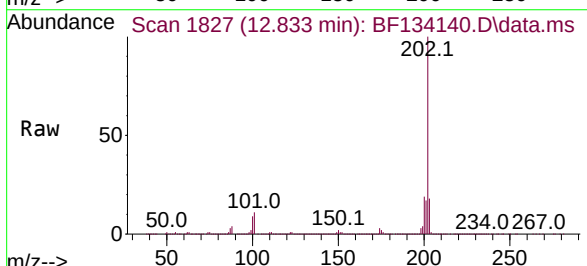
Tgt Ion:202 Resp: 542244

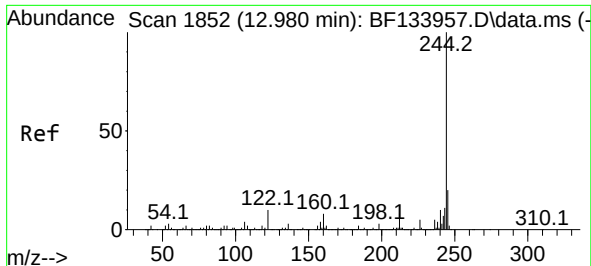
Ion Ratio Lower Upper

202 100

200 19.3 16.1 24.1

203 17.9 14.3 21.5

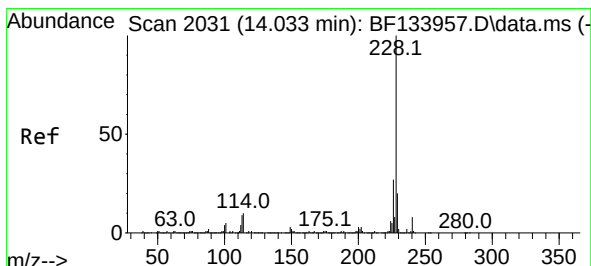
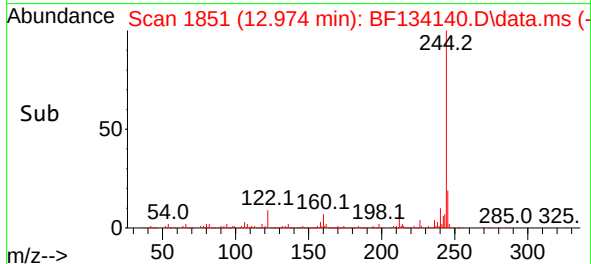
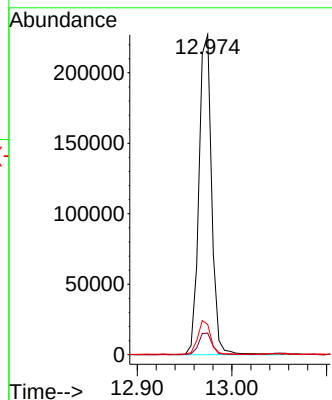
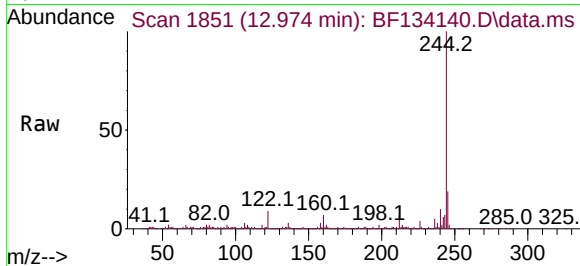




#79
 Terphenyl-d14
 Concen: 16.218 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.012 min
 Lab File: BF134140.D
 Acq: 07 Jul 2023 16:24

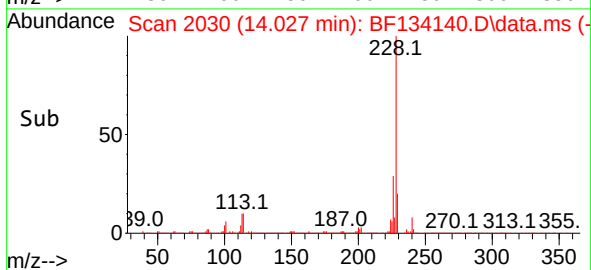
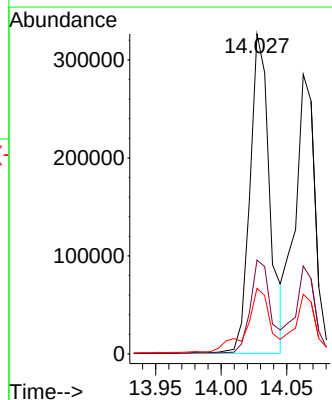
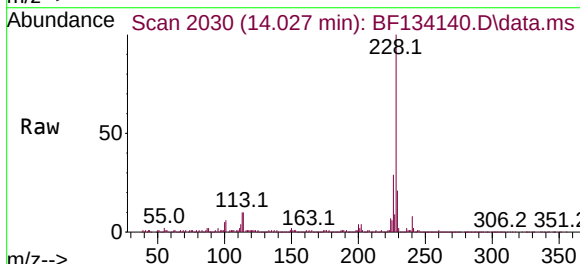
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-19-20

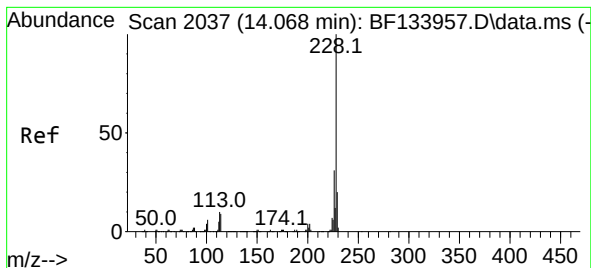
Tgt Ion:244 Resp: 212961
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 9.4 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 23.368 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. -0.012 min
 Lab File: BF134140.D
 Acq: 07 Jul 2023 16:24

Tgt Ion:228 Resp: 342488
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.0 33.0
 229 20.5 16.3 24.5





#83

Chrysene

Concen: 21.504 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.012 min

Lab File: BF134140.D

Acq: 07 Jul 2023 16:24

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

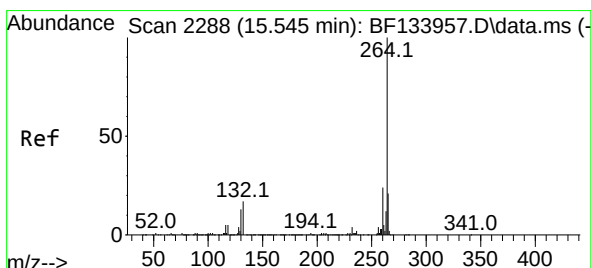
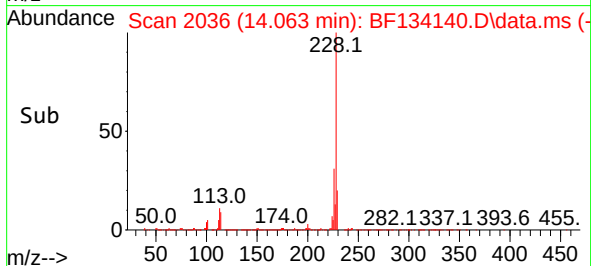
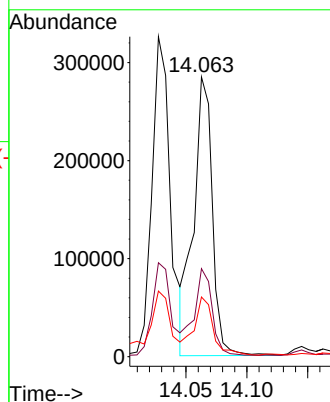
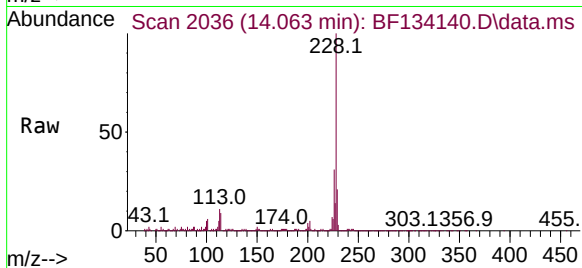
Tgt Ion:228 Resp: 305255

Ion Ratio Lower Upper

228 100

226 31.5 24.4 36.6

229 21.3 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2288

Delta R.T. -0.006 min

Lab File: BF134140.D

Acq: 07 Jul 2023 16:24

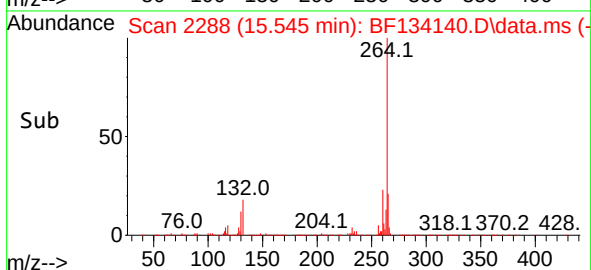
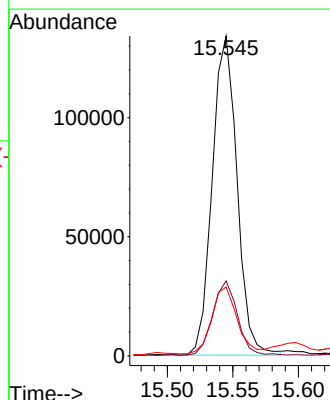
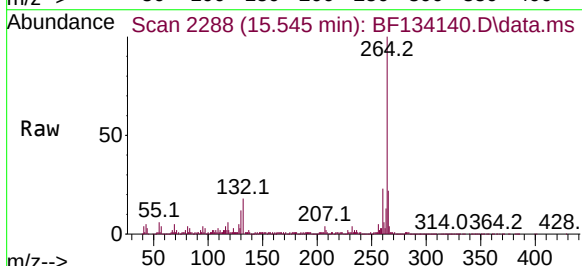
Tgt Ion:264 Resp: 175764

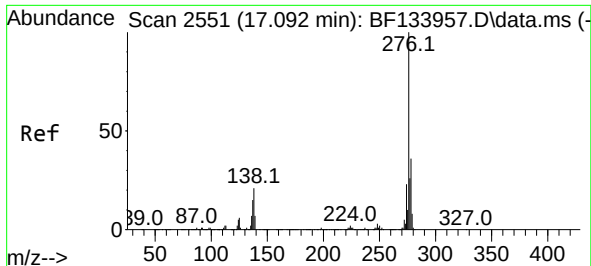
Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

265 21.5 16.6 25.0

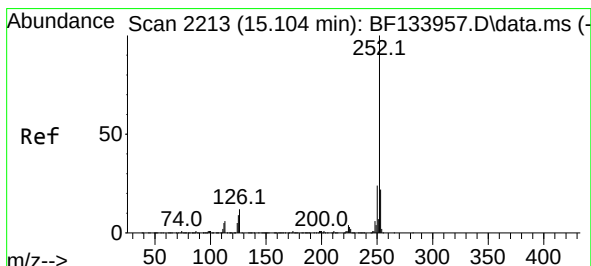
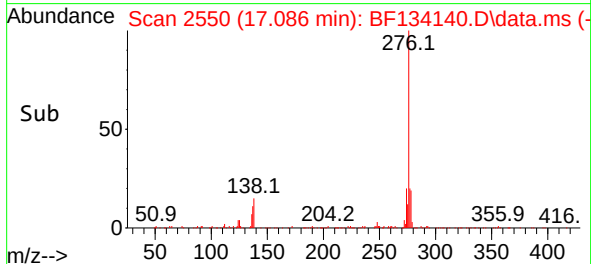
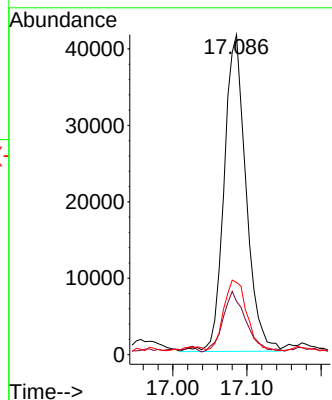
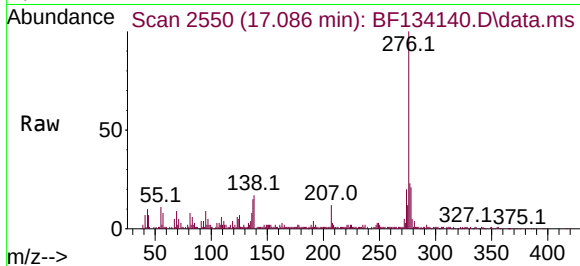




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.973 ng
 RT: 17.086 min Scan# 2112
 Delta R.T. -0.024 min
 Lab File: BF134140.D
 Acq: 07 Jul 2023 16:24

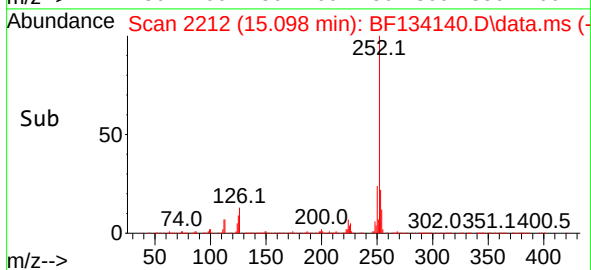
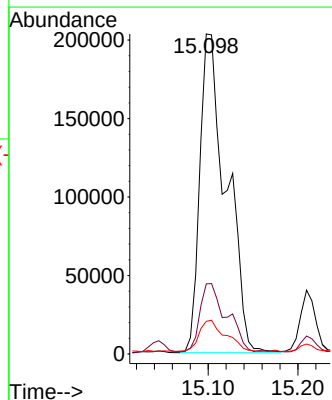
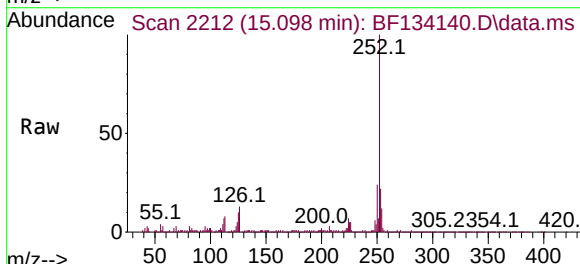
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-19-20

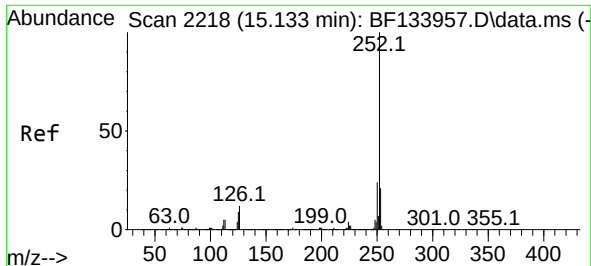
Tgt Ion:276 Resp: 85043
 Ion Ratio Lower Upper
 276 100
 138 20.1 18.7 28.1
 277 23.0 19.9 29.9



#88
 Benzo(b)fluoranthene
 Concen: 40.472 ng
 RT: 15.098 min Scan# 2212
 Delta R.T. -0.012 min
 Lab File: BF134140.D
 Acq: 07 Jul 2023 16:24

Tgt Ion:252 Resp: 418277
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.4 26.0
 125 10.2 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 39.750 ng

RT: 15.098 min Scan# 2218

Delta R.T. -0.041 min

Lab File: BF134140.D

Acq: 07 Jul 2023 16:24

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

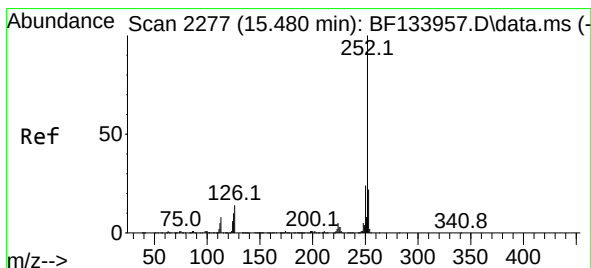
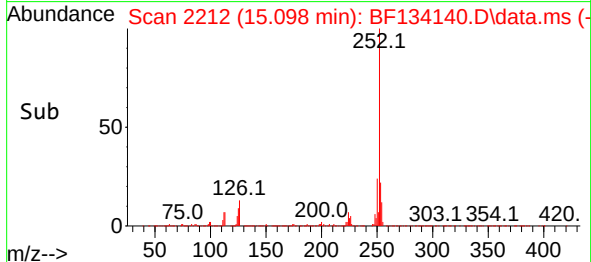
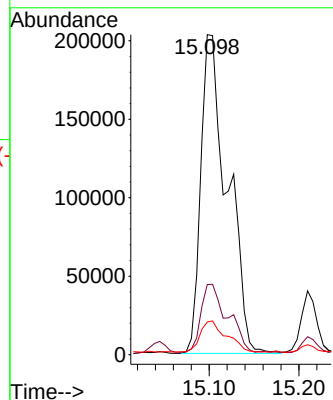
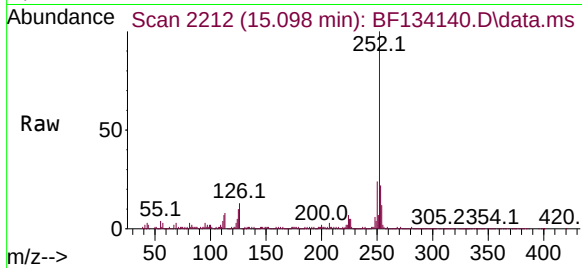
Tgt Ion:252 Resp: 418277

Ion Ratio Lower Upper

252 100

253 21.9 16.9 25.3

125 10.2 7.4 11.2



#90

Benzo(a)pyrene

Concen: 16.979 ng

RT: 15.480 min Scan# 2277

Delta R.T. -0.012 min

Lab File: BF134140.D

Acq: 07 Jul 2023 16:24

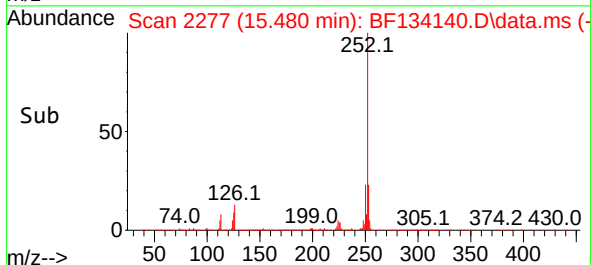
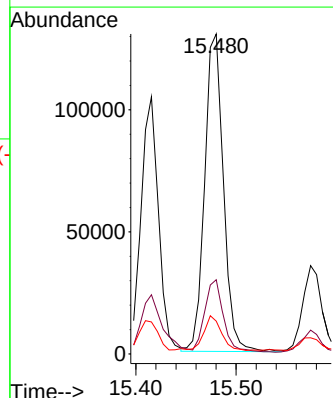
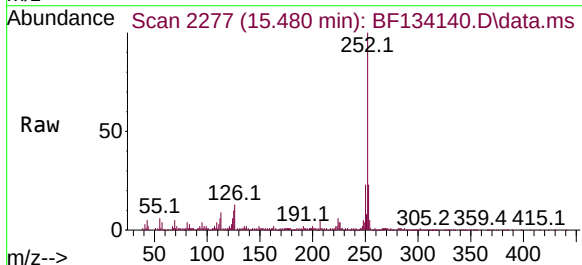
Tgt Ion:252 Resp: 169685

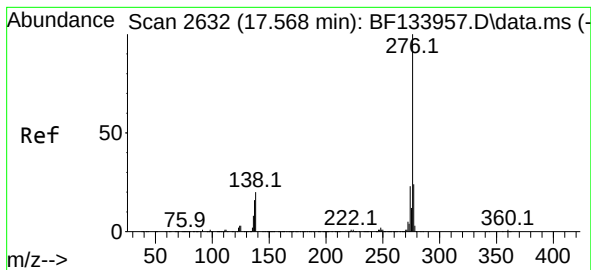
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

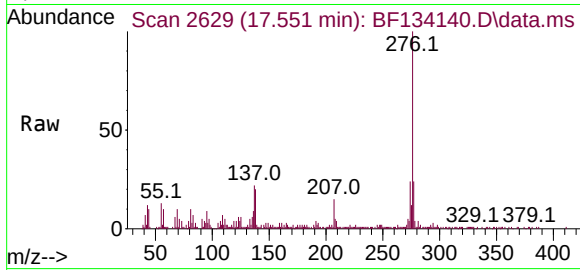
125 10.2 8.4 12.6





#92
 Benzo(g,h,i)perylene
 Concen: 7.231 ng
 RT: 17.551 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF134140.D
 Acq: 07 Jul 2023 16:24

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-19-20



Tgt Ion:276 Resp: 74280
 Ion Ratio Lower Upper
 276 100
 277 23.6 19.0 28.6
 138 19.8 16.2 24.2

