

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100722\
 Data File : BF130581.D
 Acq On : 07 Oct 2022 18:33
 Operator : CG\JU
 Sample : N5018-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SASP2-T-3-(5-10)

Quant Time: Oct 10 01:44:34 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 07 02:06:46 2022
 Response via : Initial Calibration

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

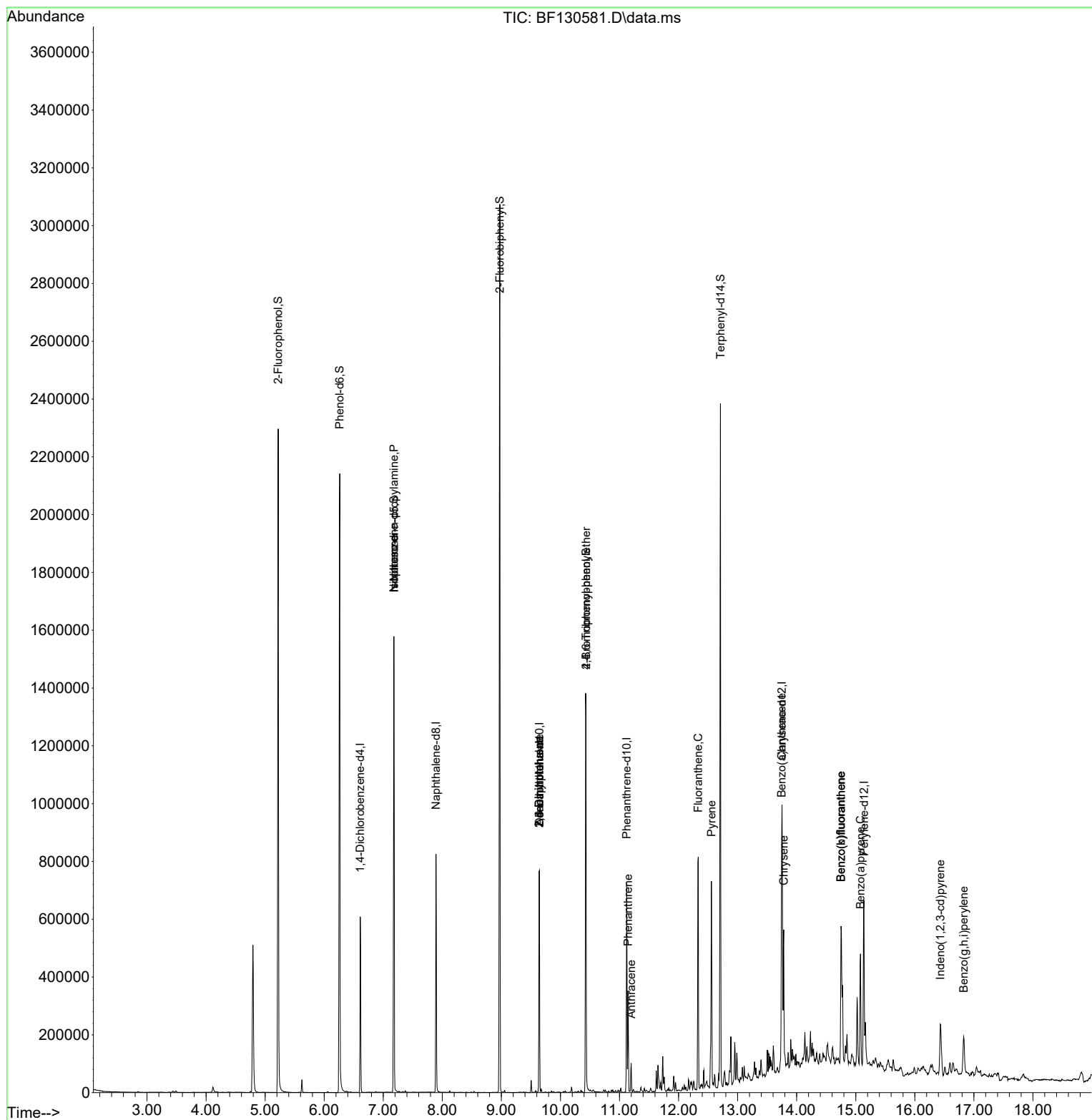
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.610	152	84200	20.000	ng	0.00
21) Naphthalene-d8	7.892	136	331803	20.000	ng	-0.01
39) Acenaphthene-d10	9.645	164	158969	20.000	ng	0.00
64) Phenanthrene-d10	11.121	188	228441	20.000	ng	-0.01
76) Chrysene-d12	13.751	240	210882	20.000	ng	#-0.01
86) Perylene-d12	15.139	264	239743	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.222	112	615565	126.802	ng	0.00
7) Phenol-d6	6.263	99	761443	125.358	ng	0.00
23) Nitrobenzene-d5	7.181	82	485494	74.753	ng	-0.01
42) 2,4,6-Tribromophenol	10.433	330	167178	109.753	ng	0.00
45) 2-Fluorobiphenyl	8.975	172	888228	81.364	ng	0.00
79) Terphenyl-d14	12.710	244	719109	56.486	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.181	70	65422	15.962	ng	# 75
25) Isophorone	7.181	82	485487	46.379	ng	# 66
50) Dimethylphthalate	9.645	163	30712	2.797	ng	# 1
51) 2,6-Dinitrotoluene	9.639	165	20970	9.131	ng	# 16
57) 2,4-Dinitrotoluene	9.639	165	20970	7.145	ng	# 16
67) 4-Bromophenyl-phenylether	10.433	248	9989	3.964	ng	# 1
71) Phenanthrene	11.145	178	111551	8.698	ng	99
72) Anthracene	11.198	178	25499	2.060	ng	98
75) Fluoranthene	12.333	202	325887	26.295	ng	97
78) Pyrene	12.557	202	252237	13.673	ng	99
81) Benzo(a)anthracene	13.745	228	196107	13.979	ng	95
83) Chrysene	13.780	228	182335	13.688	ng	97
87) Indeno(1,2,3-cd)pyrene	16.433	276	106400	6.258	ng	98
88) Benzo(b)fluoranthene	14.751	252	322510	20.610	ng	# 97
89) Benzo(k)fluoranthene	14.751	252	322510	20.952	ng	# 97
90) Benzo(a)pyrene	15.080	252	159286	12.849	ng	99
92) Benzo(g,h,i)perylene	16.827	276	95585	6.803	ng	97

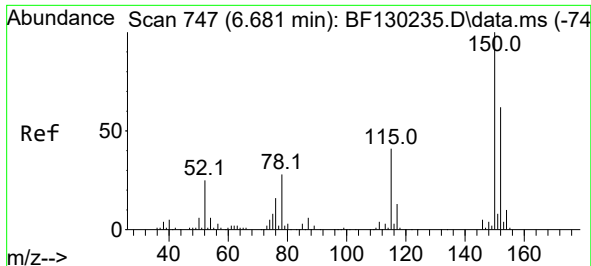
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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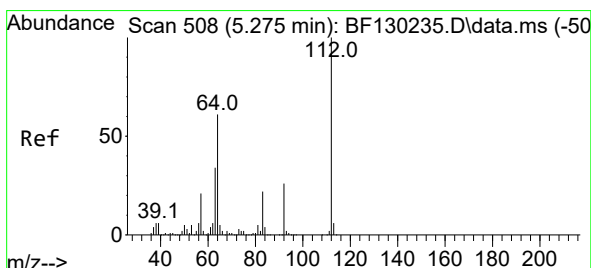
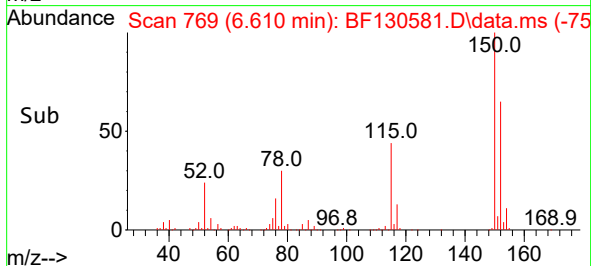
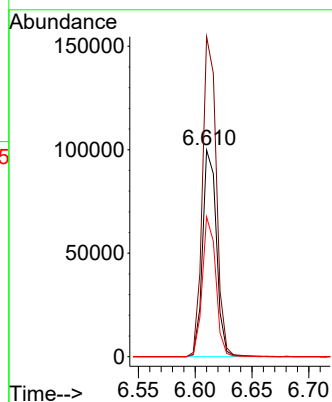
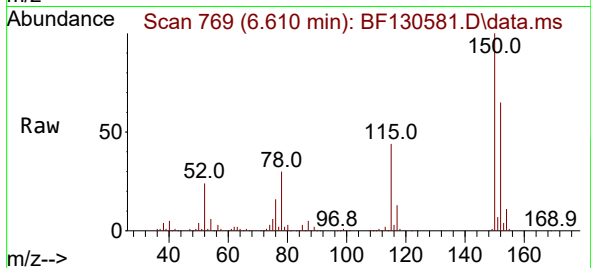




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.610 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF130581.D
Acq: 07 Oct 2022 18:33

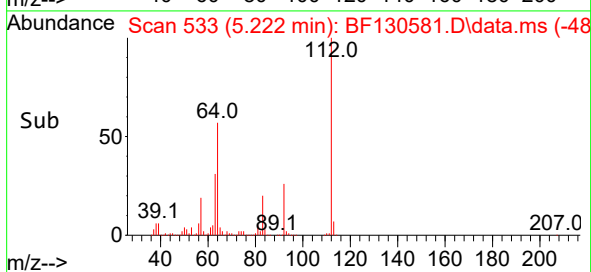
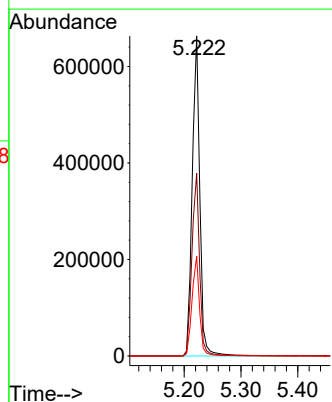
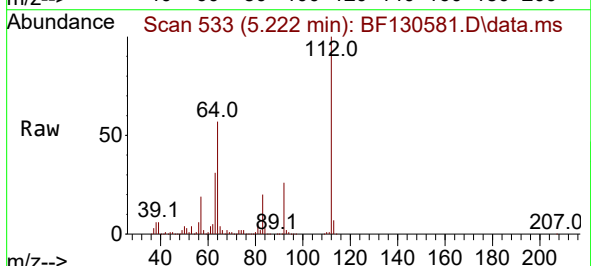
Instrument :
BNA_F
ClientSampleId :
SASP2-T-3-(5-10)

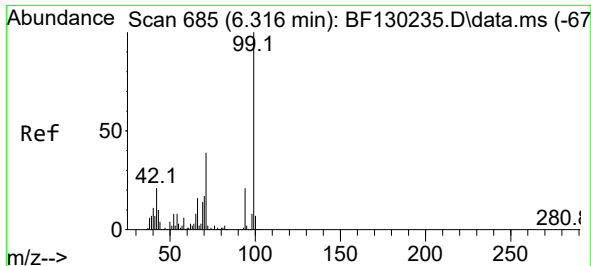
Tgt Ion:152 Resp: 84200
Ion Ratio Lower Upper
152 100
150 154.9 122.8 184.2
115 67.7 53.8 80.8



#5
2-Fluorophenol
Concen: 126.802 ng
RT: 5.222 min Scan# 533
Delta R.T. 0.006 min
Lab File: BF130581.D
Acq: 07 Oct 2022 18:33

Tgt Ion:112 Resp: 615565
Ion Ratio Lower Upper
112 100
64 57.1 51.4 77.0
63 31.2 28.8 43.2

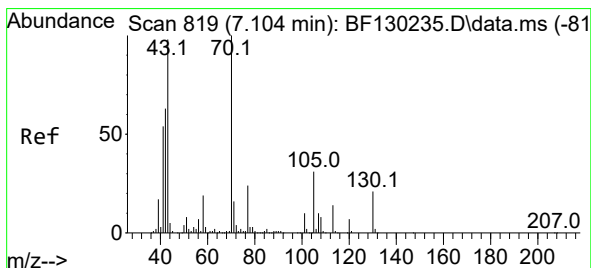
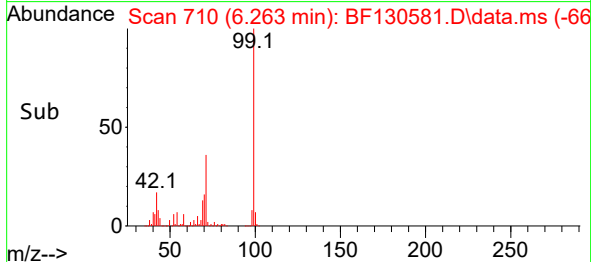
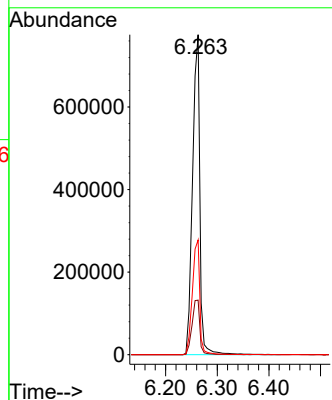
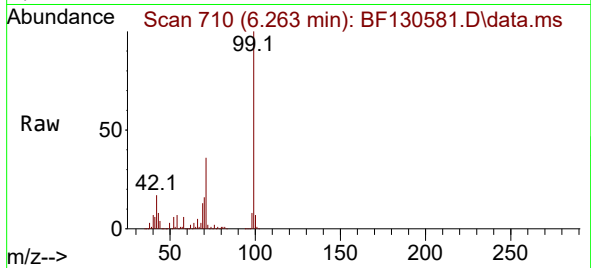




#7
Phenol-d6
Concen: 125.358 ng
RT: 6.263 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130581.D
Acq: 07 Oct 2022 18:33

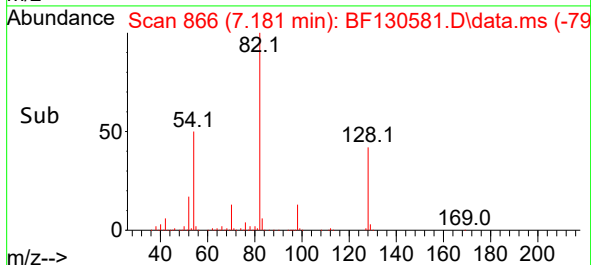
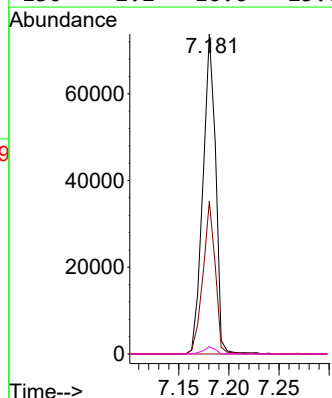
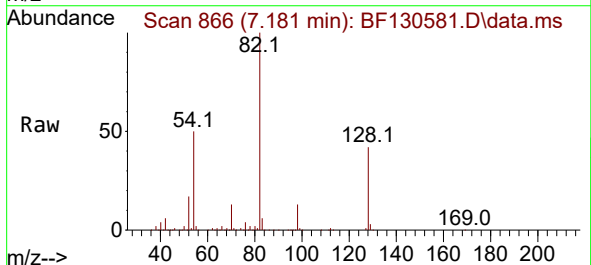
Instrument :
BNA_F
ClientSampleId :
SASP2-T-3-(5-10)

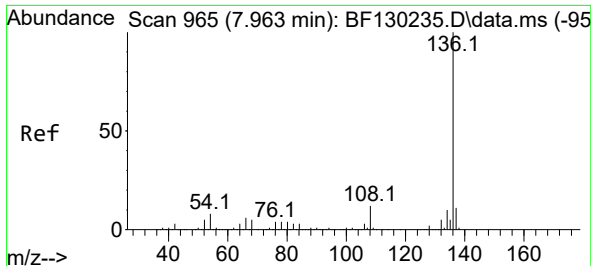
Tgt Ion: 99 Resp: 761443
Ion Ratio Lower Upper
99 100
42 17.0 17.0 25.6#
71 35.9 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.962 ng
RT: 7.181 min Scan# 866
Delta R.T. 0.135 min
Lab File: BF130581.D
Acq: 07 Oct 2022 18:33

Tgt Ion: 70 Resp: 65422
Ion Ratio Lower Upper
70 100
42 47.7 50.8 76.2#
101 0.0 8.2 12.4#
130 2.2 16.6 25.0#

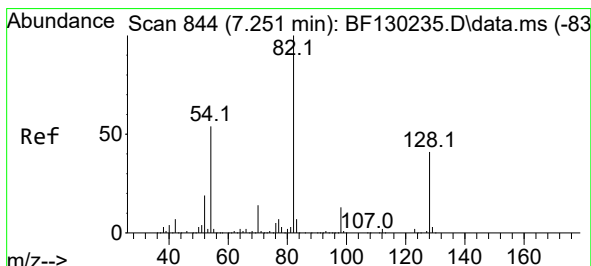
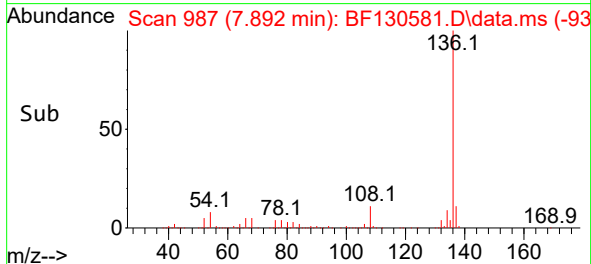
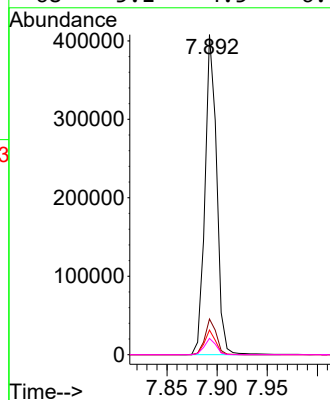
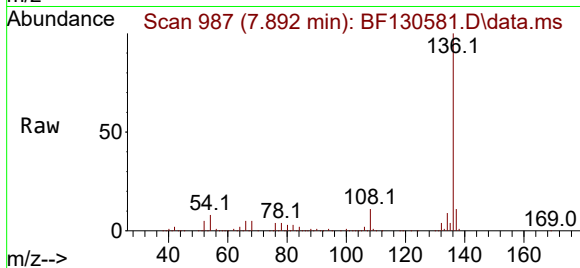




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.892 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130581.D
Acq: 07 Oct 2022 18:33

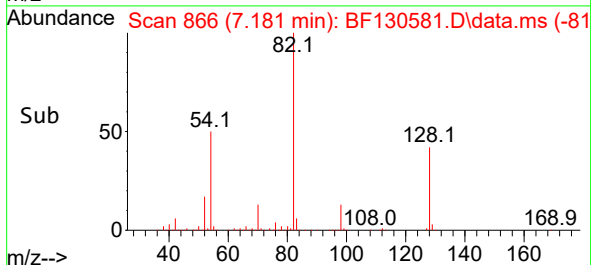
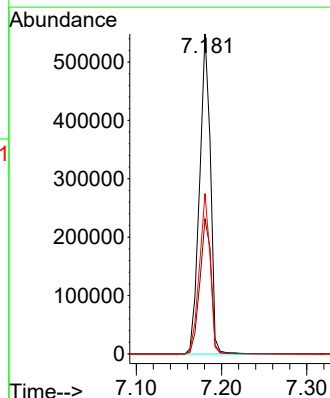
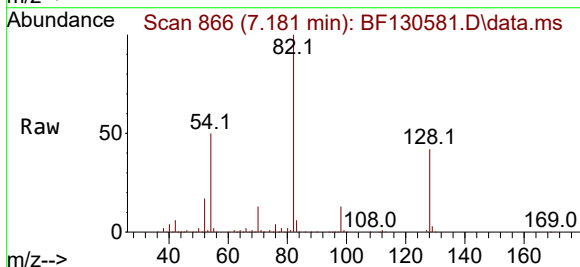
Instrument :
BNA_F
ClientSampleId :
SASP2-T-3-(5-10)

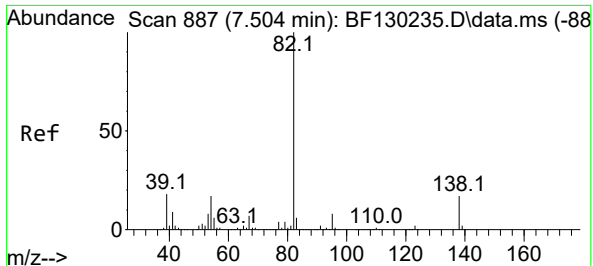
Tgt Ion:136	Resp:	331803	
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	7.7	7.1	10.7
68	5.1	4.5	6.7



#23
Nitrobenzene-d5
Concen: 74.753 ng
RT: 7.181 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF130581.D
Acq: 07 Oct 2022 18:33

Tgt Ion: 82	Resp: 485494
Ion Ratio	Lower Upper
82 100	
128 42.1	32.6 49.0
54 50.1	43.8 65.6

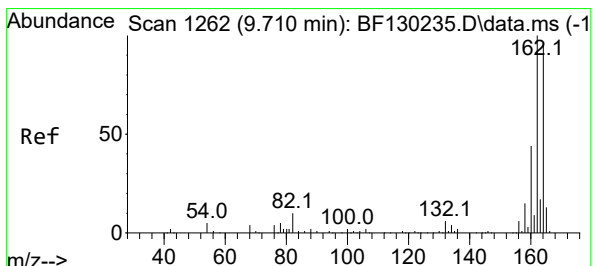
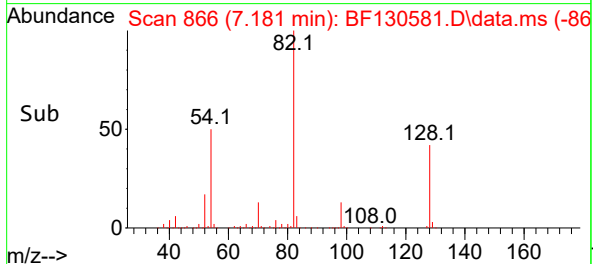
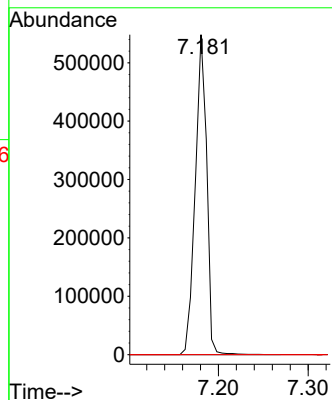
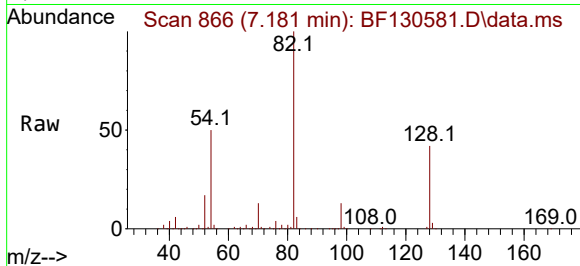




#25
Isophorone
Concen: 46.379 ng
RT: 7.181 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF130581.D
Acq: 07 Oct 2022 18:33

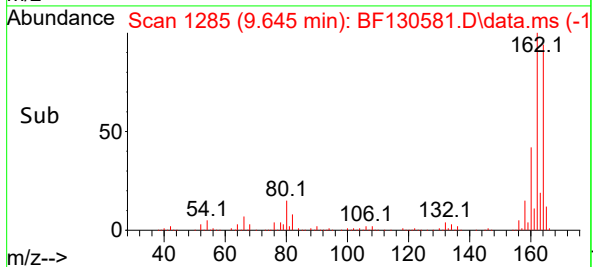
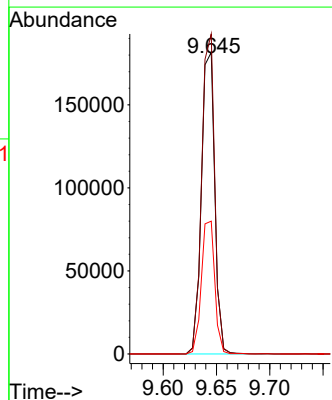
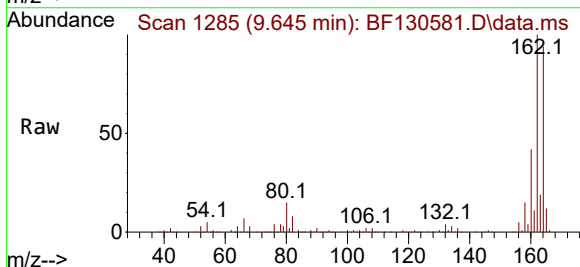
Instrument :
BNA_F
ClientSampleId :
SASP2-T-3-(5-10)

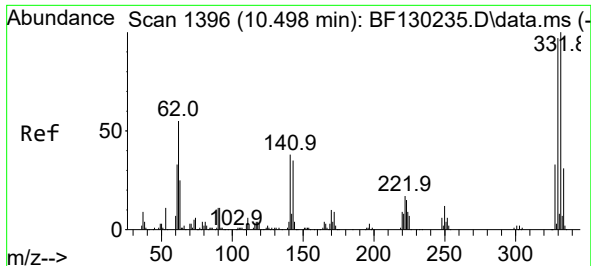
Tgt Ion: 82 Resp: 485487
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.645 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BF130581.D
Acq: 07 Oct 2022 18:33

Tgt Ion: 164 Resp: 158969
Ion Ratio Lower Upper
164 100
162 106.1 81.4 122.0
160 44.1 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 109.753 ng

RT: 10.433 min Scan# 1419

Delta R.T. -0.006 min

Lab File: BF130581.D

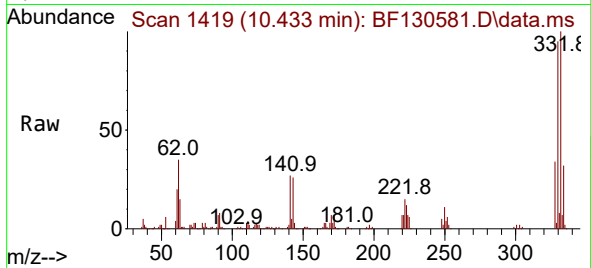
Acq: 07 Oct 2022 18:33

Instrument :

BNA_F

ClientSampleId :

SASP2-T-3-(5-10)



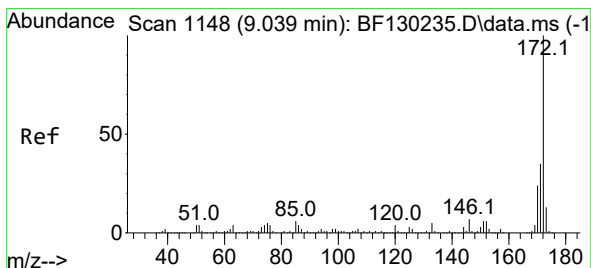
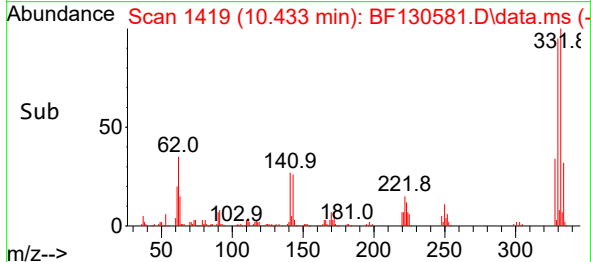
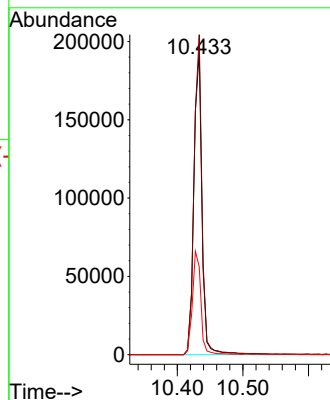
Tgt Ion:330 Resp: 167178

Ion Ratio Lower Upper

330 100

332 103.8 83.4 125.2

141 35.5 34.0 51.0



#45

2-Fluorobiphenyl

Concen: 81.364 ng

RT: 8.975 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF130581.D

Acq: 07 Oct 2022 18:33

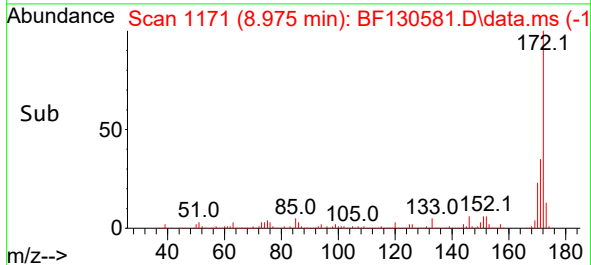
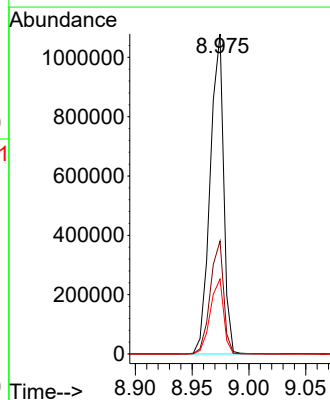
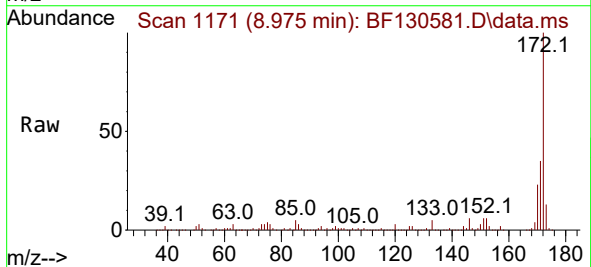
Tgt Ion:172 Resp: 888228

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.4 18.7 28.1

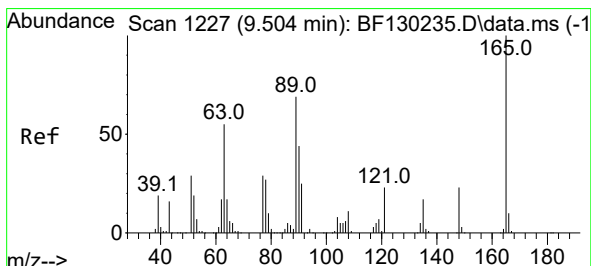
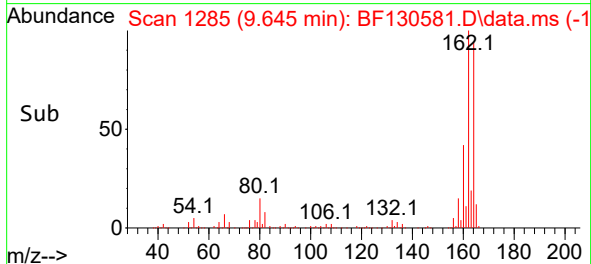
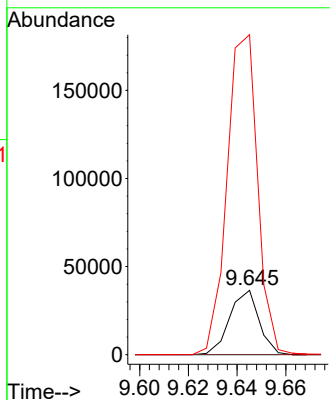
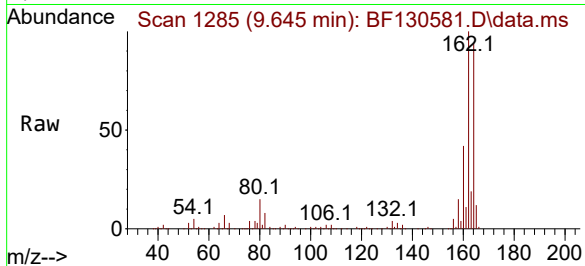




#50
Dimethylphthalate
Concen: 2.797 ng
RT: 9.645 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF130581.D
Acq: 07 Oct 2022 18:33

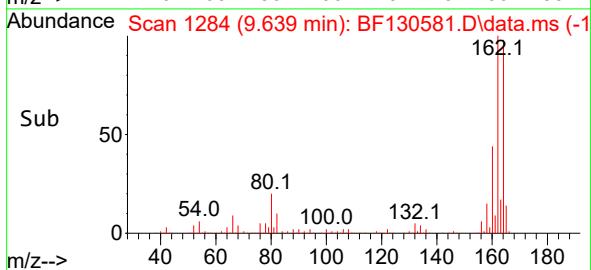
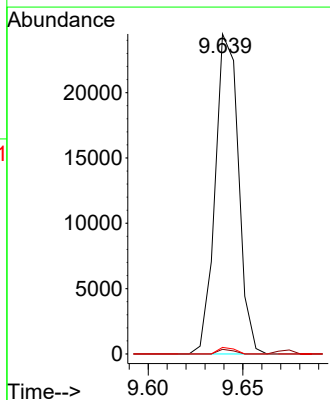
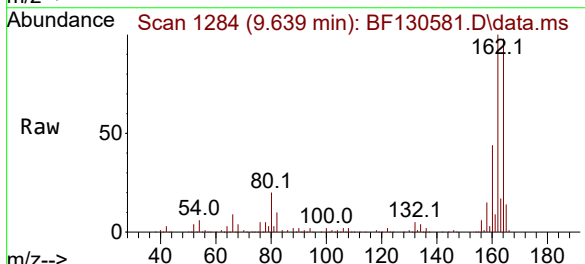
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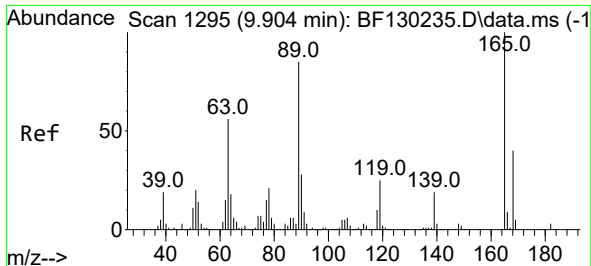
Tgt Ion:163 Resp: 30712
Ion Ratio Lower Upper
163 100
194 0.0 2.8 4.2#
164 497.5 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 9.131 ng
RT: 9.639 min Scan# 1284
Delta R.T. 0.188 min
Lab File: BF130581.D
Acq: 07 Oct 2022 18:33

Tgt Ion:165 Resp: 20970
Ion Ratio Lower Upper
165 100
63 1.4 58.8 88.2#
89 2.0 54.5 81.7#

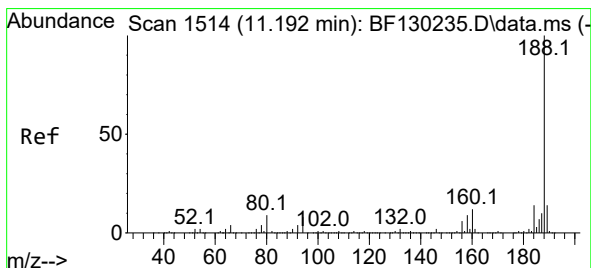
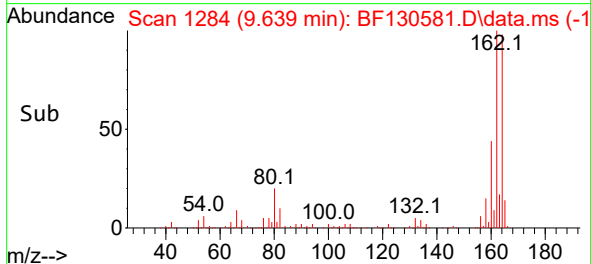
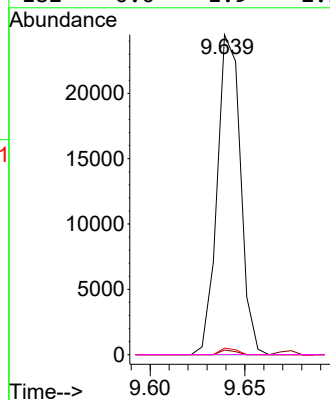
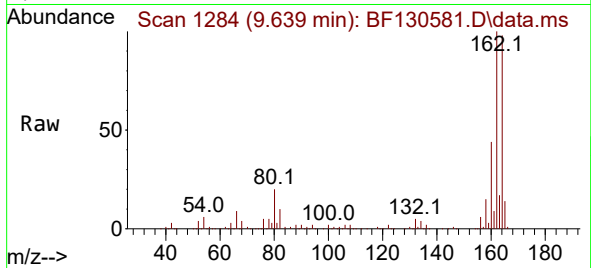




#57
2,4-Dinitrotoluene
Concen: 7.145 ng
RT: 9.639 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF130581.D
Acq: 07 Oct 2022 18:33

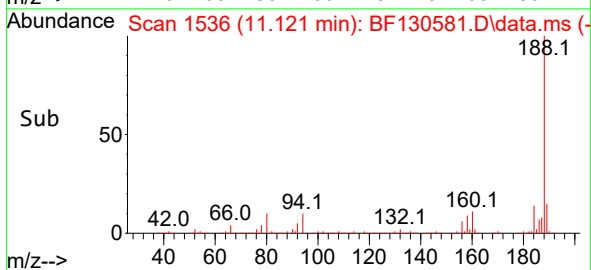
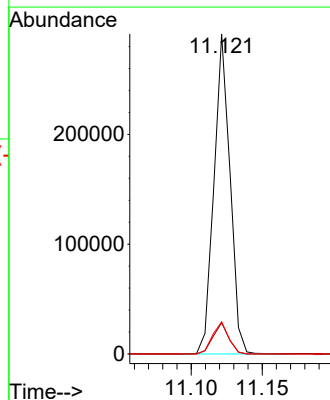
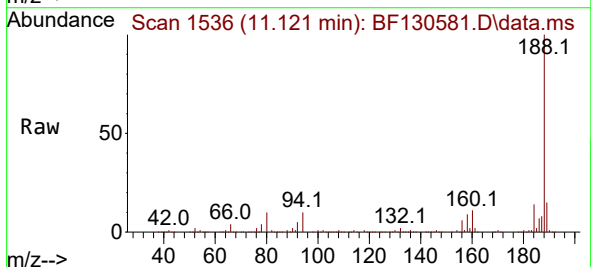
Instrument :
BNA_F
ClientSampleId :
SASP2-T-3-(5-10)

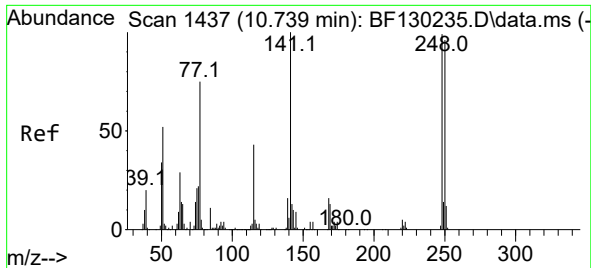
Tgt Ion:165 Resp: 20970
Ion Ratio Lower Upper
165 100
63 1.4 44.7 67.1#
89 2.0 69.0 103.4#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.121 min Scan# 1536
Delta R.T. -0.012 min
Lab File: BF130581.D
Acq: 07 Oct 2022 18:33

Tgt Ion:188 Resp: 228441
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.2
80 10.1 7.9 11.9

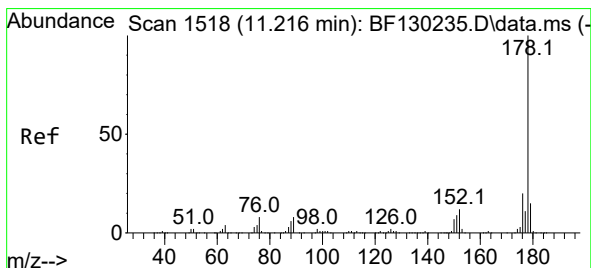
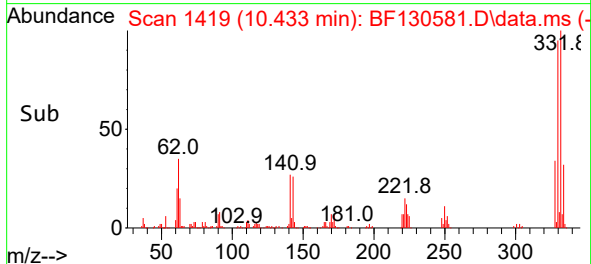
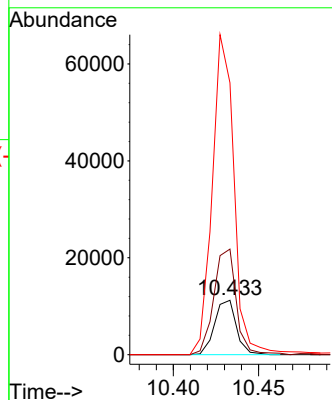
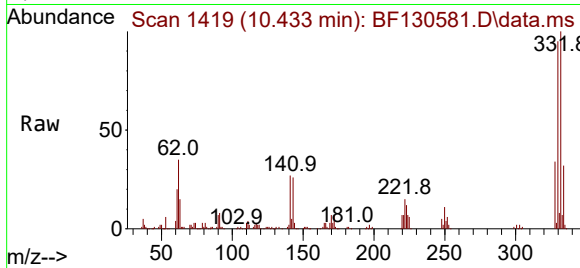




#67
4-Bromophenyl-phenylether
Concen: 3.964 ng
RT: 10.433 min Scan# 1437
Delta R.T. -0.247 min
Lab File: BF130581.D
Acq: 07 Oct 2022 18:33

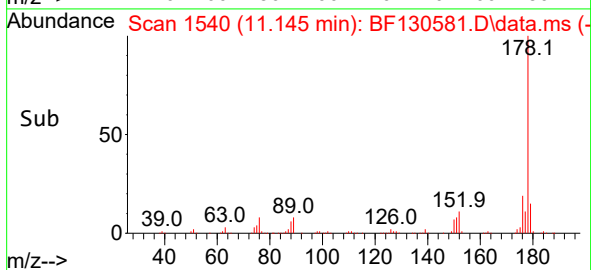
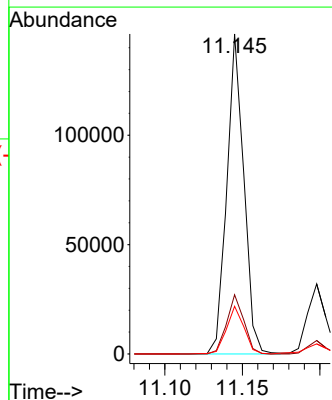
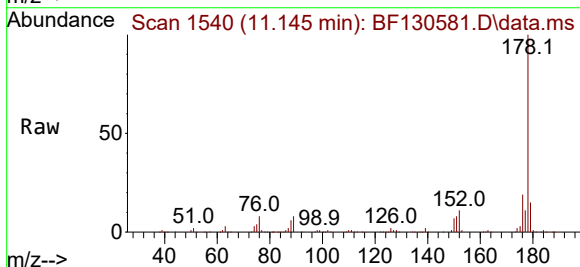
Instrument :
BNA_F
ClientSampleId :
SASP2-T-3-(5-10)

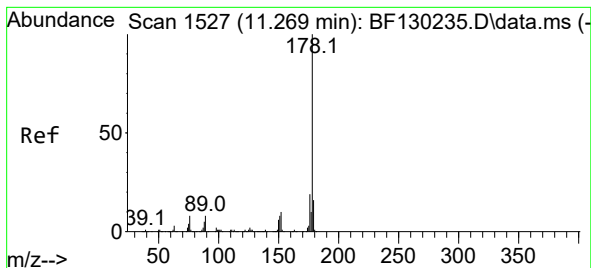
Tgt Ion:248 Resp: 9989
Ion Ratio Lower Upper
248 100
250 194.1 80.0 120.0#
141 499.9 68.5 102.7#



#71
Phenanthrene
Concen: 8.698 ng
RT: 11.145 min Scan# 1540
Delta R.T. -0.012 min
Lab File: BF130581.D
Acq: 07 Oct 2022 18:33

Tgt Ion:178 Resp: 111551
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 14.9 12.4 18.6





#72

Anthracene

Concen: 2.060 ng

RT: 11.198 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF130581.D

Acq: 07 Oct 2022 18:33

Instrument :

BNA_F

ClientSampleId :

SASP2-T-3-(5-10)

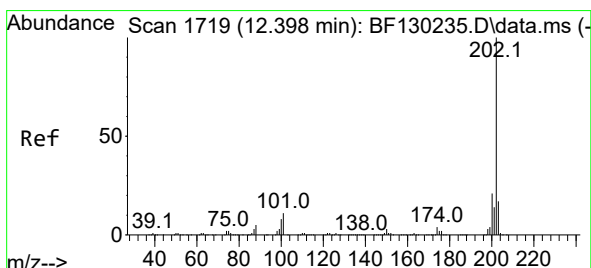
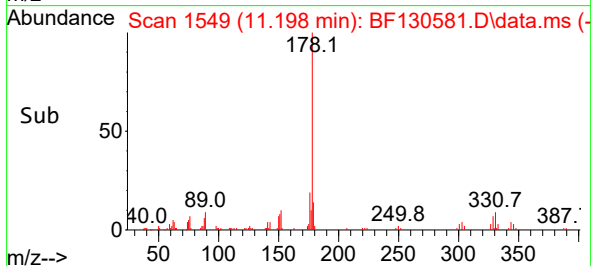
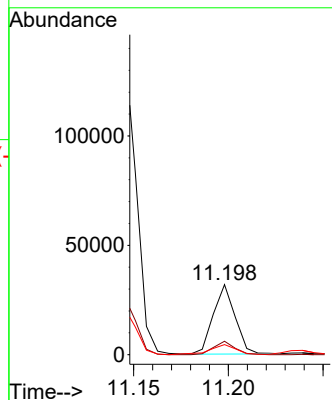
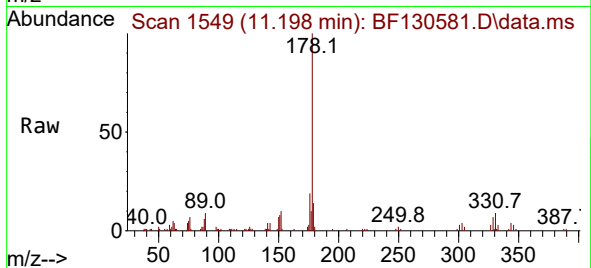
Tgt Ion:178 Resp: 25499

Ion Ratio Lower Upper

178 100

176 19.3 15.0 22.6

179 14.3 12.7 19.1



#75

Fluoranthene

Concen: 26.295 ng

RT: 12.333 min Scan# 1742

Delta R.T. -0.006 min

Lab File: BF130581.D

Acq: 07 Oct 2022 18:33

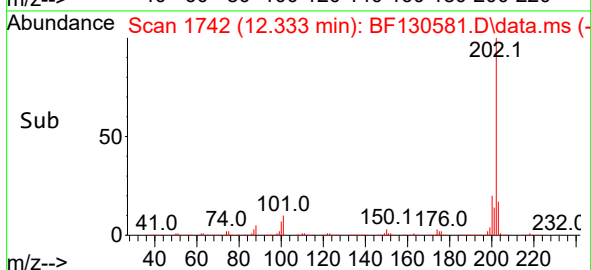
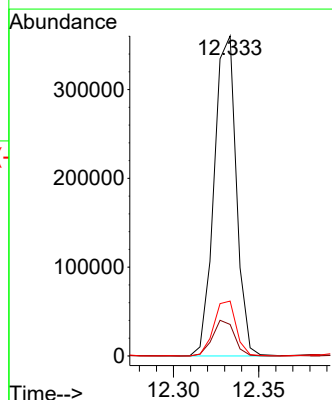
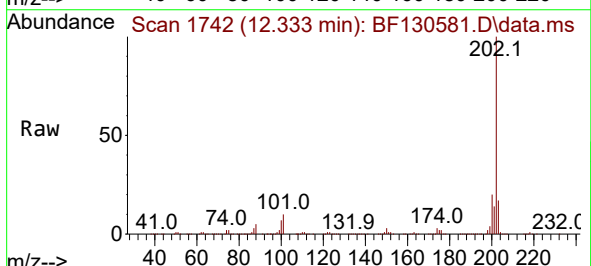
Tgt Ion:202 Resp: 325887

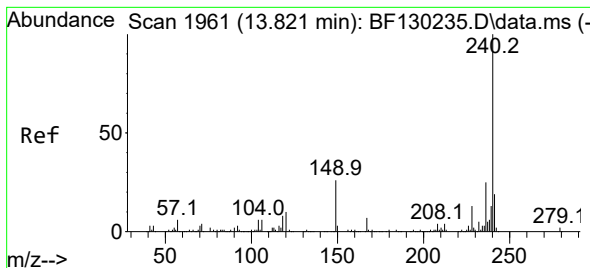
Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.8

203 17.1 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.751 min Scan# 1961

Delta R.T. -0.012 min

Lab File: BF130581.D

Acq: 07 Oct 2022 18:33

Instrument :

BNA_F

ClientSampleId :

SASP2-T-3-(5-10)

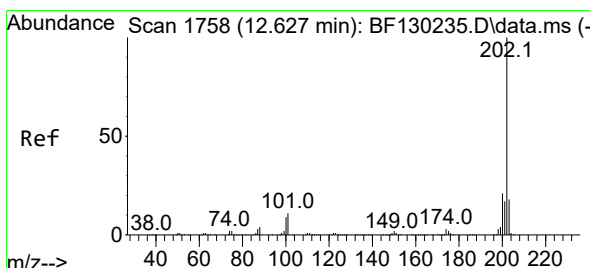
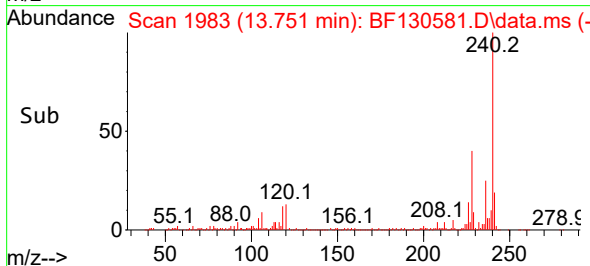
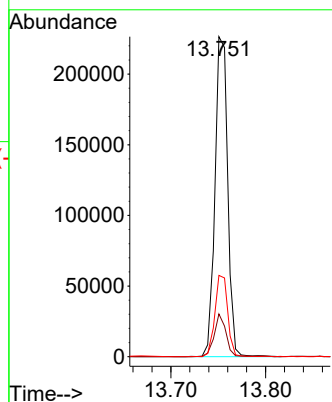
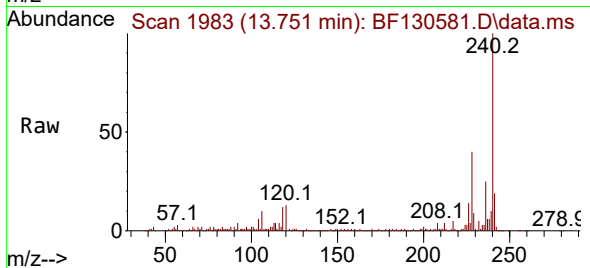
Tgt Ion:240 Resp: 210882

Ion Ratio Lower Upper

240 100

120 13.3 8.7 13.1#

236 25.4 20.9 31.3



#78

Pyrene

Concen: 13.673 ng

RT: 12.557 min Scan# 1780

Delta R.T. -0.006 min

Lab File: BF130581.D

Acq: 07 Oct 2022 18:33

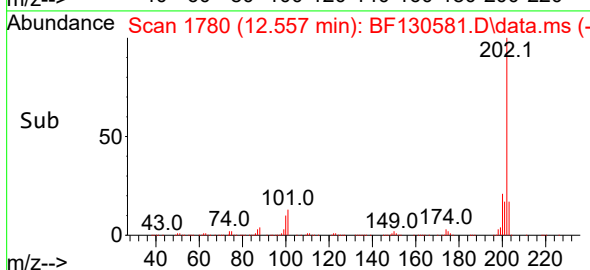
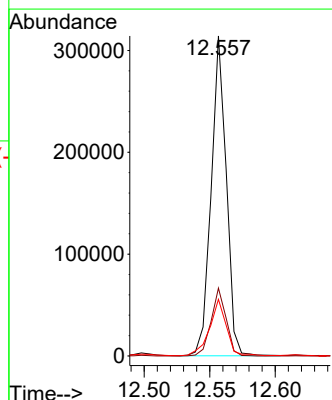
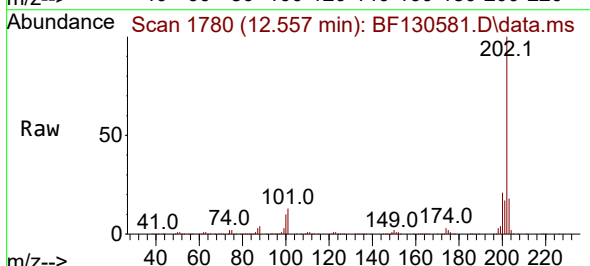
Tgt Ion:202 Resp: 252237

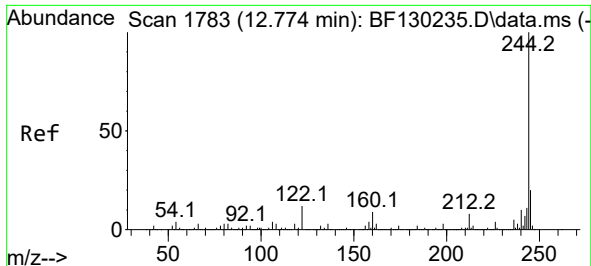
Ion Ratio Lower Upper

202 100

200 21.2 17.2 25.8

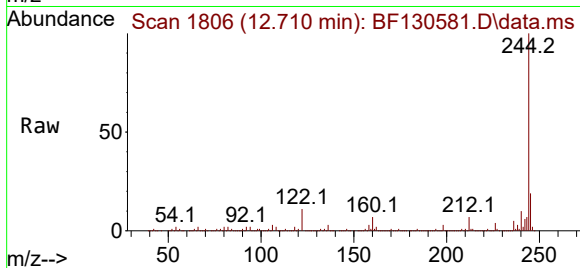
203 17.7 14.3 21.5



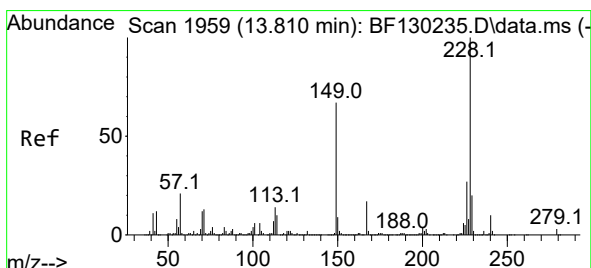
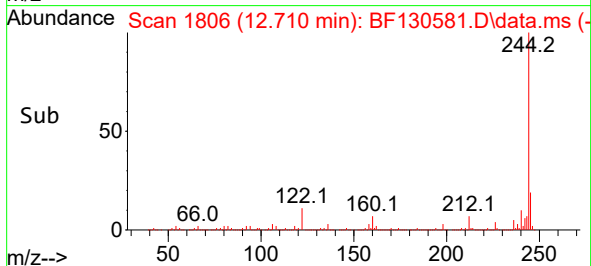
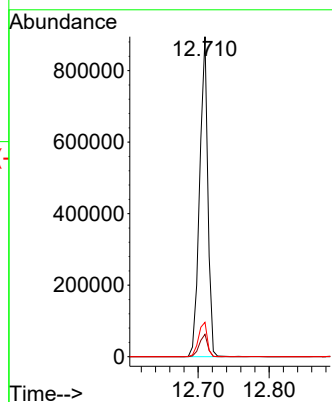


#79
 Terphenyl-d14
 Concen: 56.486 ng
 RT: 12.710 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF130581.D
 Acq: 07 Oct 2022 18:33

Instrument :
 BNA_F
 ClientSampleId :
 SASP2-T-3-(5-10)

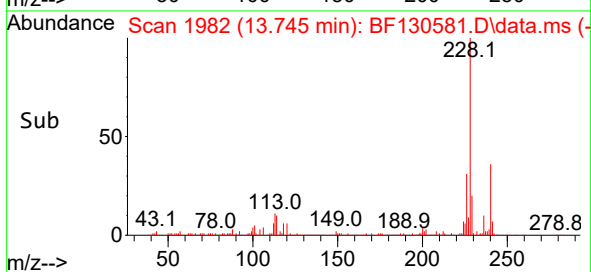
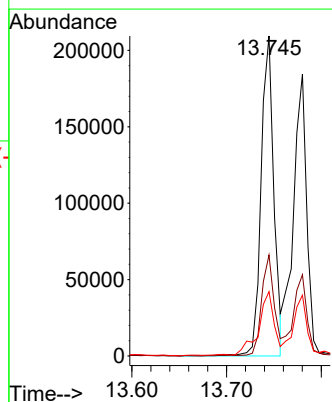
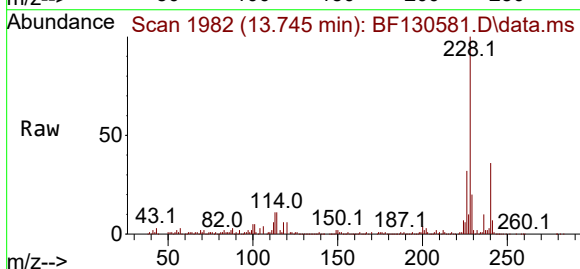


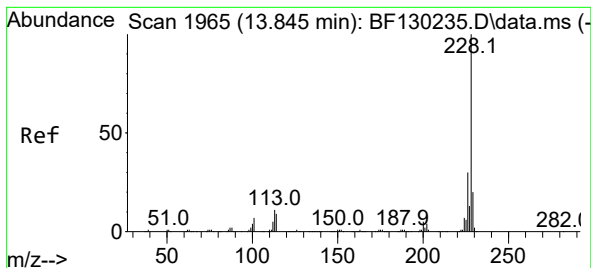
Tgt Ion:244 Resp: 719109
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.9 8.9
 122 10.8 8.5 12.7



#81
 Benzo(a)anthracene
 Concen: 13.979 ng
 RT: 13.745 min Scan# 1982
 Delta R.T. -0.006 min
 Lab File: BF130581.D
 Acq: 07 Oct 2022 18:33

Tgt Ion:228 Resp: 196107
 Ion Ratio Lower Upper
 228 100
 226 31.6 21.9 32.9
 229 20.1 16.1 24.1





#83

Chrysene

Concen: 13.688 ng

RT: 13.780 min Scan# 1965

Delta R.T. -0.006 min

Lab File: BF130581.D

Acq: 07 Oct 2022 18:33

Instrument :

BNA_F

ClientSampleId :

SASP2-T-3-(5-10)

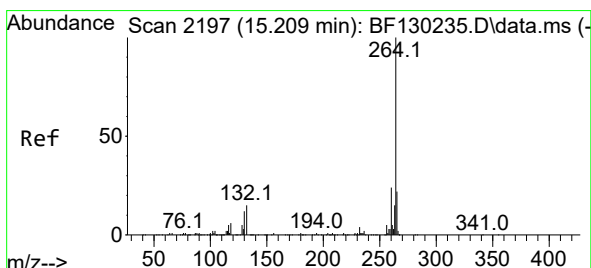
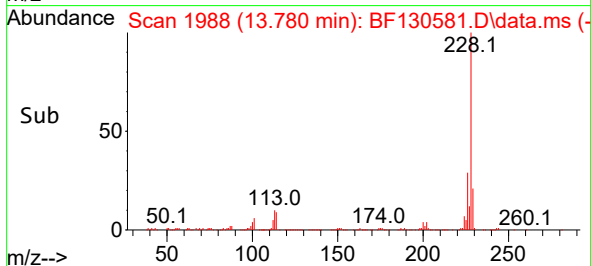
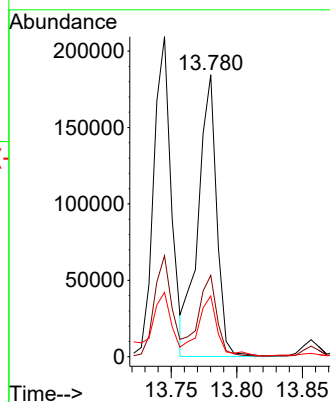
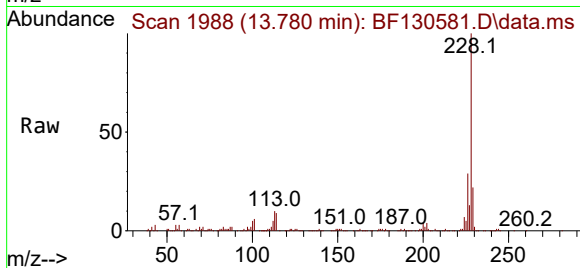
Tgt Ion:228 Resp: 182335

Ion Ratio Lower Upper

228 100

226 28.8 23.8 35.8

229 21.6 15.3 22.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.139 min Scan# 2219

Delta R.T. -0.006 min

Lab File: BF130581.D

Acq: 07 Oct 2022 18:33

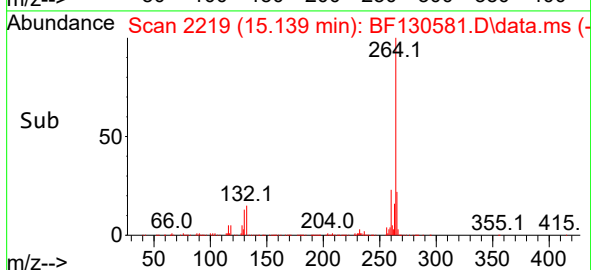
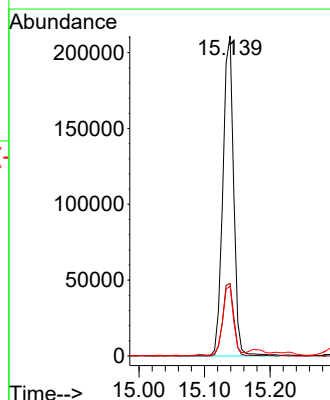
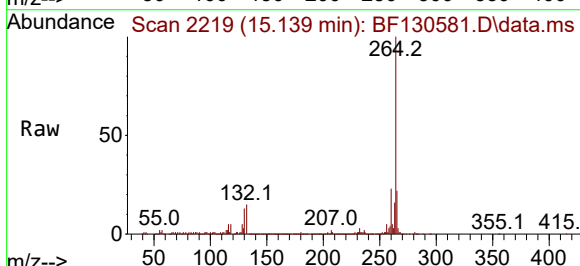
Tgt Ion:264 Resp: 239743

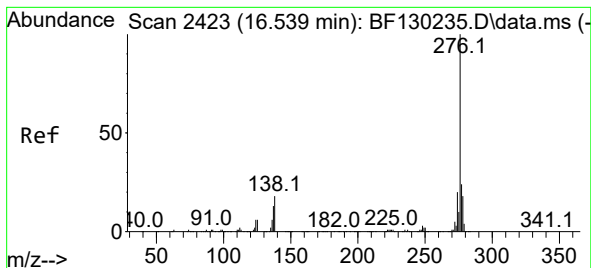
Ion Ratio Lower Upper

264 100

260 22.6 19.3 28.9

265 21.8 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.258 ng

RT: 16.433 min Scan# 2423

Delta R.T. -0.024 min

Lab File: BF130581.D

Acq: 07 Oct 2022 18:33

Instrument :

BNA_F

ClientSampleId :

SASP2-T-3-(5-10)

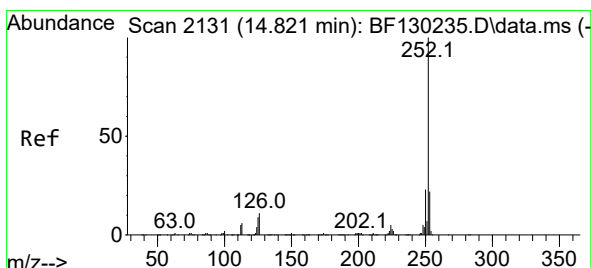
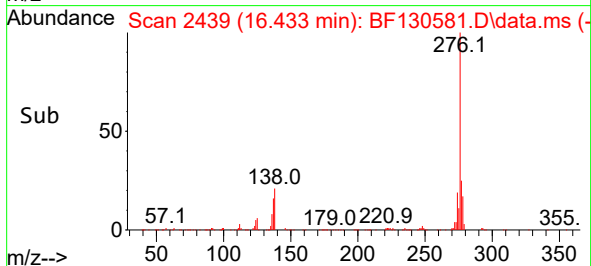
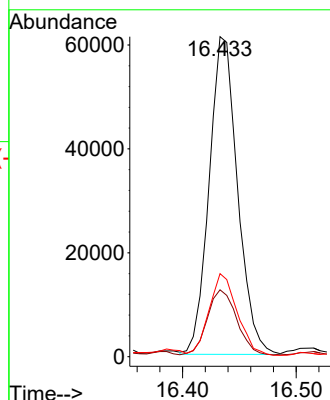
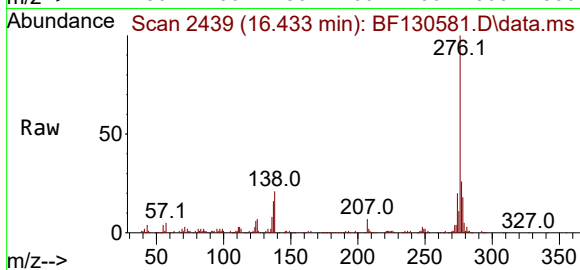
Tgt Ion:276 Resp: 106400

Ion Ratio Lower Upper

276 100

138 21.3 18.5 27.7

277 25.5 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 20.610 ng

RT: 14.751 min Scan# 2153

Delta R.T. -0.012 min

Lab File: BF130581.D

Acq: 07 Oct 2022 18:33

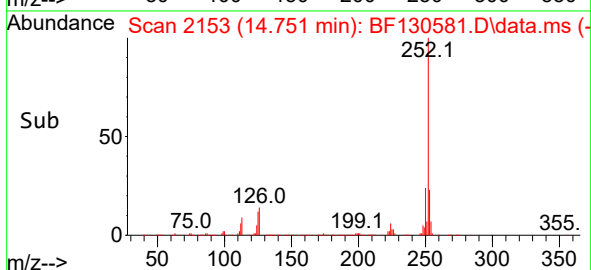
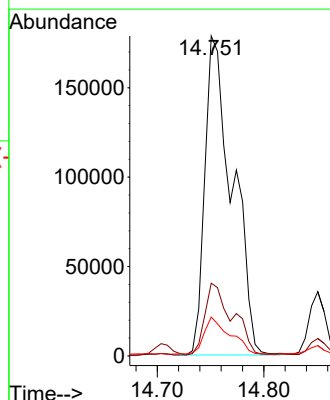
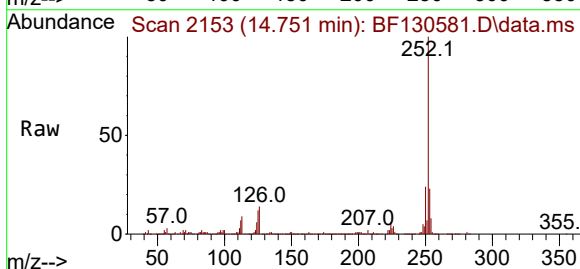
Tgt Ion:252 Resp: 322510

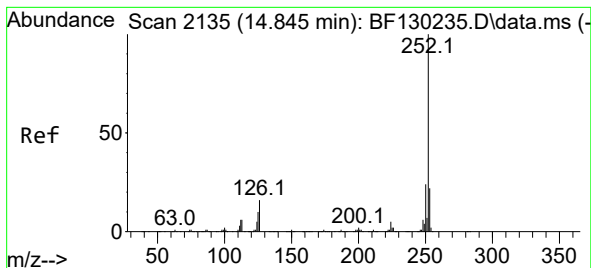
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 12.2 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 20.952 ng

RT: 14.751 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF130581.D

Acq: 07 Oct 2022 18:33

Instrument :

BNA_F

ClientSampleId :

SASP2-T-3-(5-10)

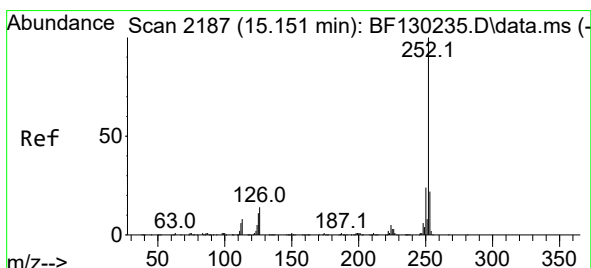
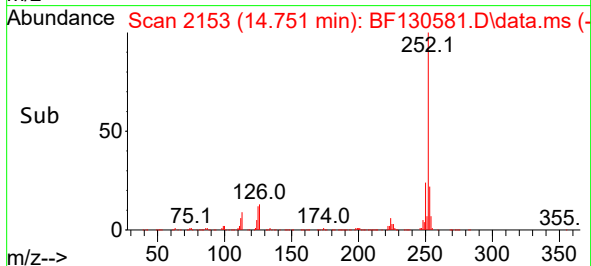
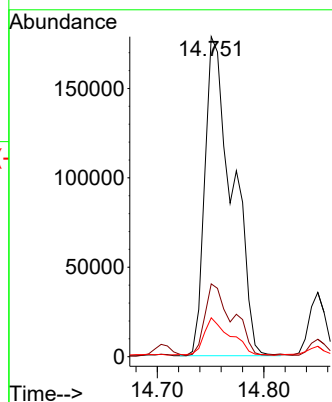
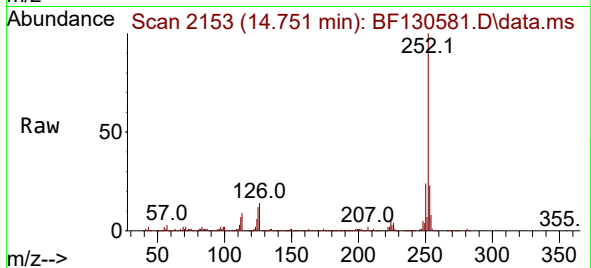
Tgt Ion:252 Resp: 322510

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 12.2 7.9 11.9#



#90

Benzo(a)pyrene

Concen: 12.849 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.012 min

Lab File: BF130581.D

Acq: 07 Oct 2022 18:33

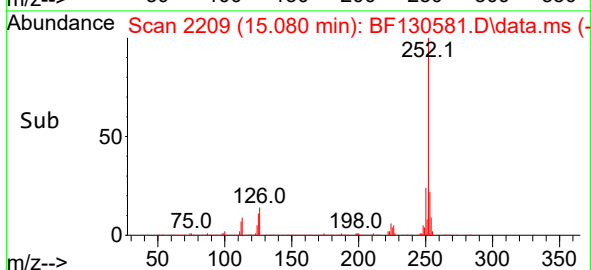
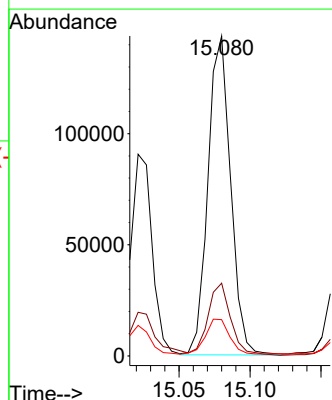
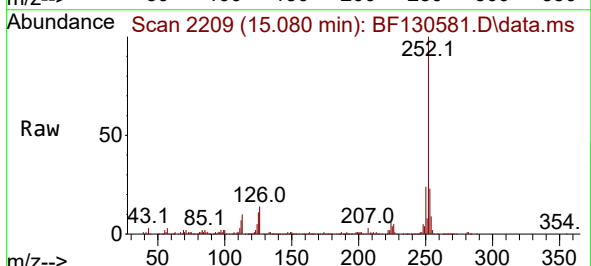
Tgt Ion:252 Resp: 159286

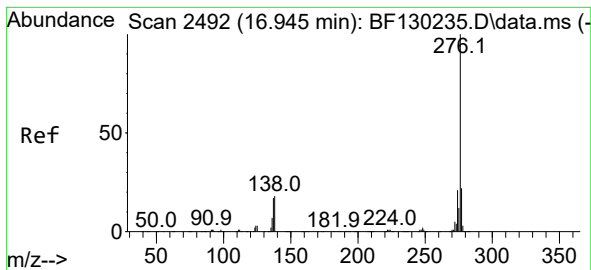
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

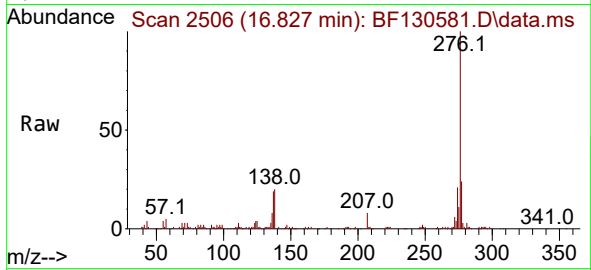
125 11.3 9.0 13.6





#92
 Benzo(g,h,i)perylene
 Concen: 6.803 ng
 RT: 16.827 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BF130581.D
 Acq: 07 Oct 2022 18:33

Instrument :
 BNA_F
 ClientSampleId :
 SASP2-T-3-(5-10)



Tgt Ion: 276 Resp: 95585
 Ion Ratio Lower Upper
 276 100
 277 23.8 18.6 27.8
 138 20.1 14.6 21.8

