

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
 Data File : BF133012.D
 Acq On : 24 Apr 2023 23:54
 Operator : CG\JU
 Sample : 02470-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-24-COMP

Quant Time: Apr 25 02:15:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

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

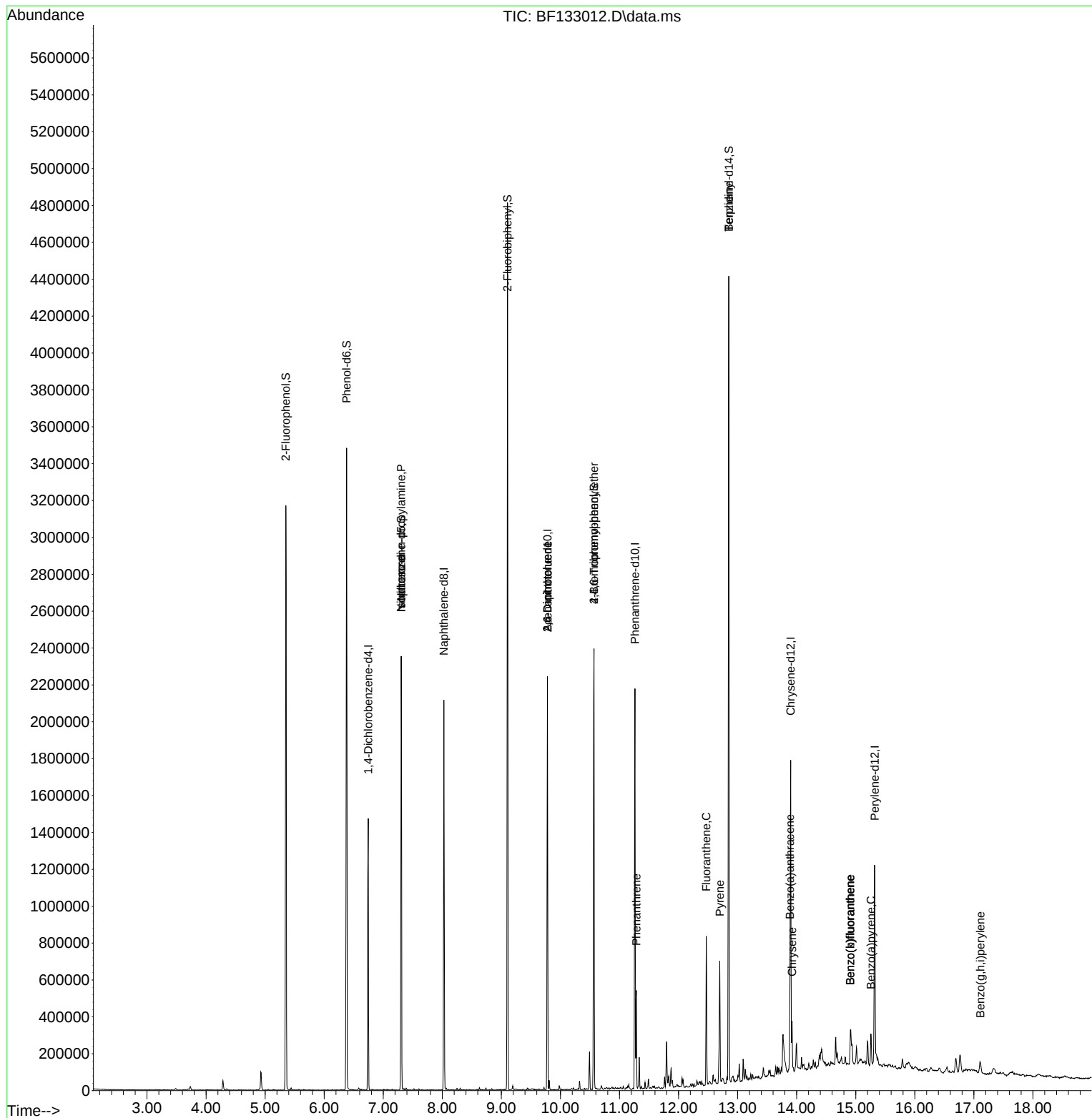
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	196145	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	792205	20.000	ng	-0.01
39) Acenaphthene-d10	9.780	164	406224	20.000	ng	-0.01
64) Phenanthrene-d10	11.263	188	721373	20.000	ng	0.00
76) Chrysene-d12	13.898	240	464351	20.000	ng	-0.01
86) Perylene-d12	15.321	264	440779	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	912527	70.278	ng	0.00
7) Phenol-d6	6.381	99	1149218	71.307	ng	0.00
23) Nitrobenzene-d5	7.304	82	695627	47.397	ng	-0.02
42) 2,4,6-Tribromophenol	10.569	330	275787	67.506	ng	-0.01
45) 2-Fluorobiphenyl	9.104	172	1283010	52.840	ng	-0.01
79) Terphenyl-d14	12.851	244	1466565	54.470	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.287	77	374	Below Cal	#	81
19) n-Nitroso-di-n-propyla...	7.304	70	91498	9.119 ng	#	81
25) Isophorone	7.304	82	694489	24.922 ng	#	62
51) 2,6-Dinitrotoluene	9.780	165	51076	8.012 ng	#	25
57) 2,4-Dinitrotoluene	9.780	165	51076	6.282 ng	#	23
67) 4-Bromophenyl-phenylether	10.569	248	17698	2.262 ng	#	1
71) Phenanthrene	11.286	178	188524	4.862 ng		97
75) Fluoranthene	12.469	202	289183	7.432 ng		100
77) Benzidine	12.851	184	17448	2.222 ng	#	95
78) Pyrene	12.698	202	243467	6.116 ng		99
81) Benzo(a)anthracene	13.886	228	112686	3.529 ng		98
83) Chrysene	13.921	228	92334	2.892 ng		97
88) Benzo(b)fluoranthene	14.910	252	138091	4.924 ng	#	97
89) Benzo(k)fluoranthene	14.910	252	138091	4.968 ng	#	97
90) Benzo(a)pyrene	15.257	252	70509	2.762 ng		97
92) Benzo(g,h,i)perylene	17.109	276	47213	2.287 ng		97

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

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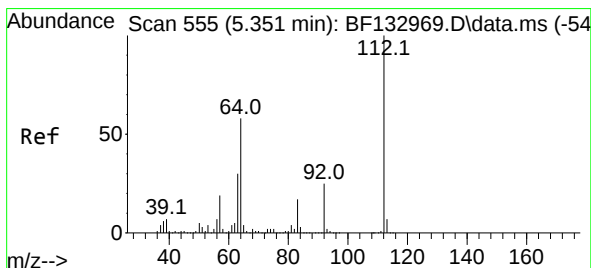
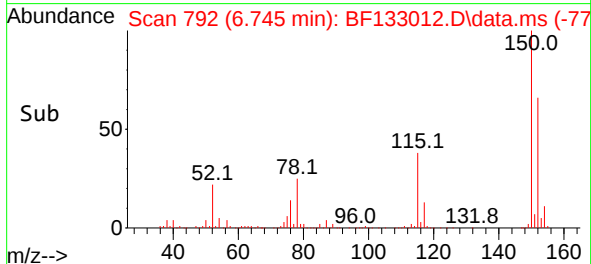
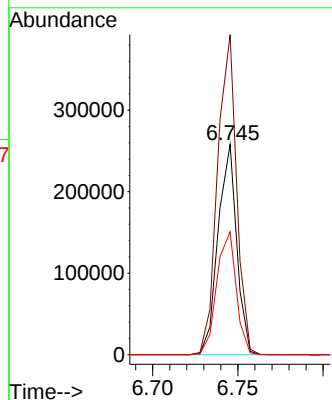
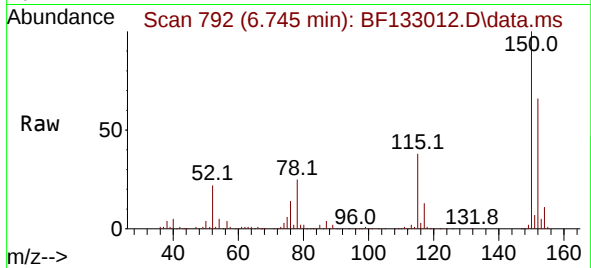




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

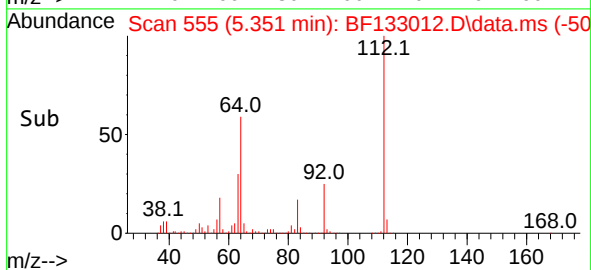
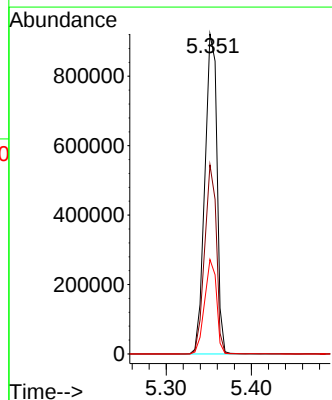
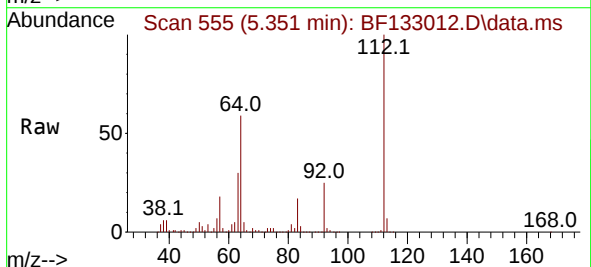
Instrument :
BNA_F
ClientSampleId :
SB-24-COMP

Tgt Ion:152 Resp: 196145
Ion Ratio Lower Upper
152 100
150 152.3 124.8 187.2
115 58.5 49.9 74.9



#5
2-Fluorophenol
Concen: 70.278 ng
RT: 5.351 min Scan# 555
Delta R.T. -0.000 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

Tgt Ion:112 Resp: 912527
Ion Ratio Lower Upper
112 100
64 59.1 46.8 70.2
63 29.5 23.8 35.8

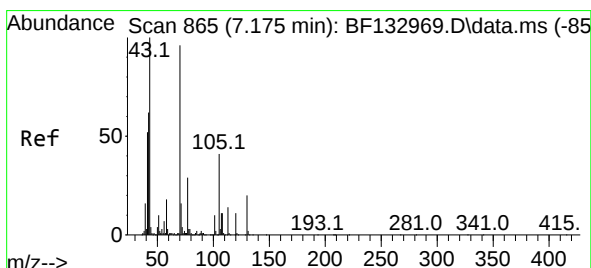
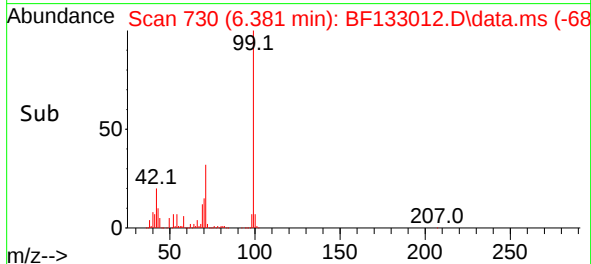
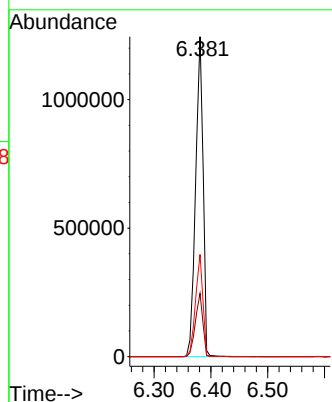
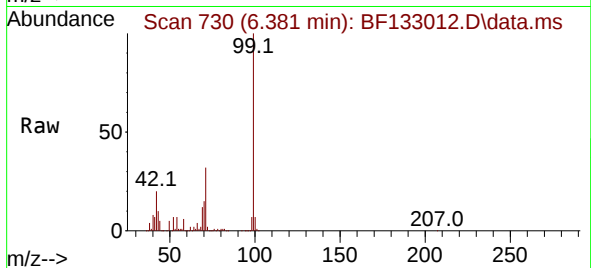




#7
Phenol-d6
Concen: 71.307 ng
RT: 6.381 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

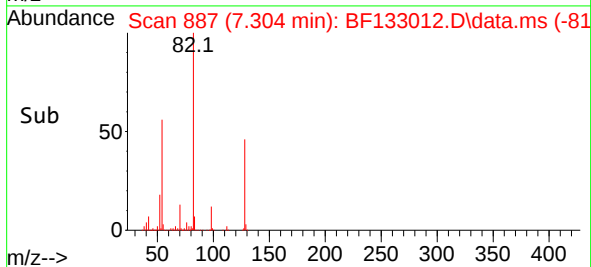
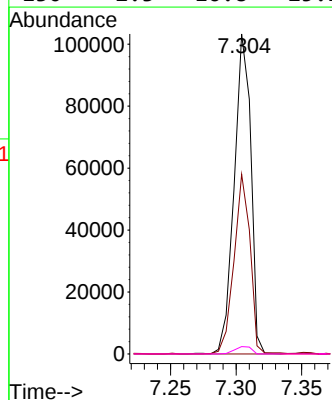
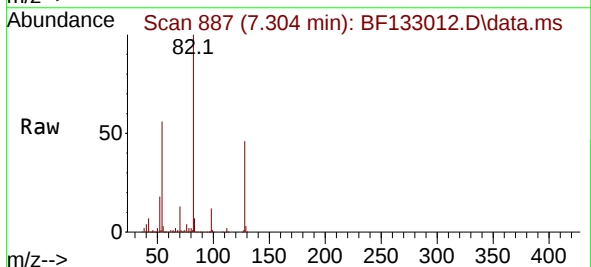
Instrument :
BNA_F
ClientSampleId :
SB-24-COMP

Tgt Ion: 99 Resp: 1149218
Ion Ratio Lower Upper
99 100
42 19.8 16.3 24.5
71 32.0 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.119 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.129 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

Tgt Ion: 70 Resp: 91498
Ion Ratio Lower Upper
70 100
42 56.2 51.8 77.6
101 0.0 8.0 12.0#
130 2.3 16.8 25.2#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

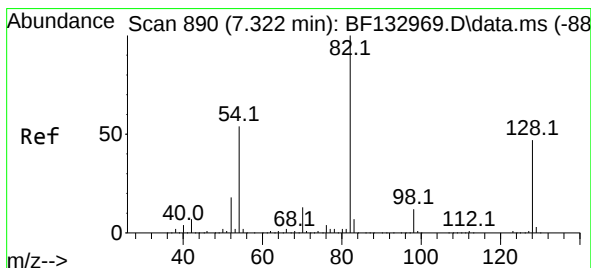
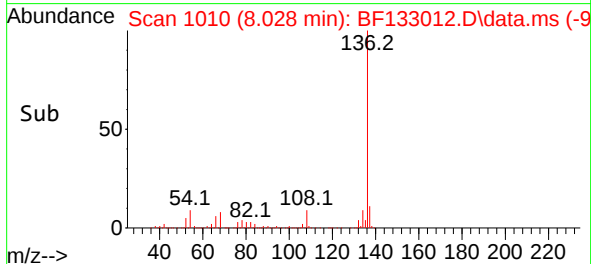
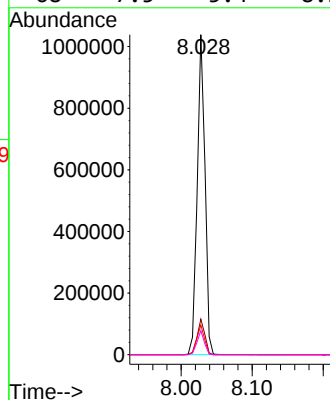
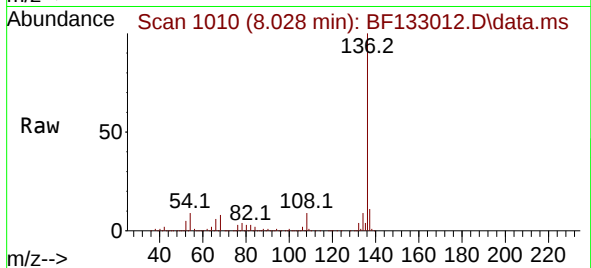
Instrument :

BNA_F

ClientSampleId :

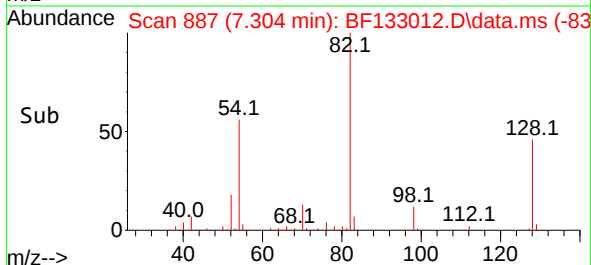
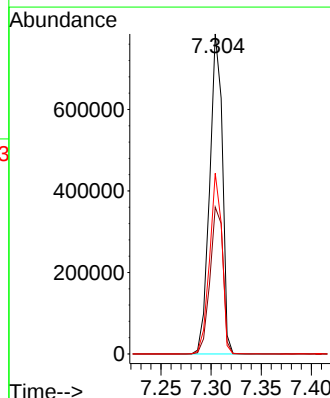
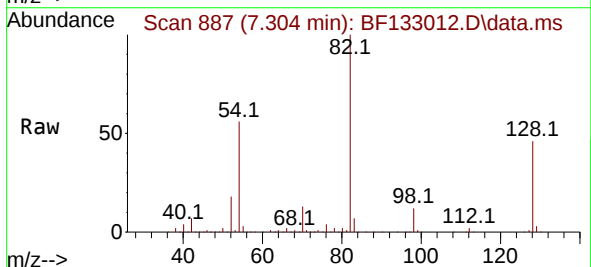
SB-24-COMP

Tgt Ion:136 Resp: 792205
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.3 7.0 10.4
68 7.5 5.4 8.2



#23
Nitrobenzene-d5
Concen: 47.397 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.018 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

Tgt Ion: 82 Resp: 695627
Ion Ratio Lower Upper
82 100
128 45.9 37.7 56.5
54 56.4 43.0 64.4

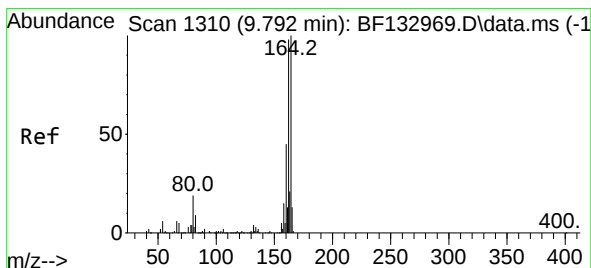
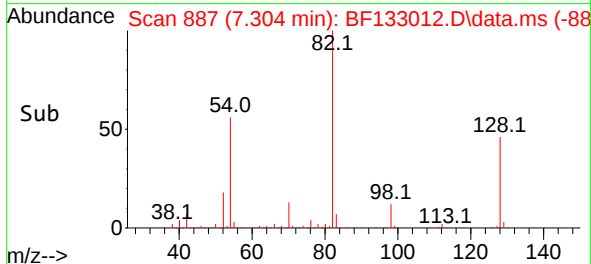
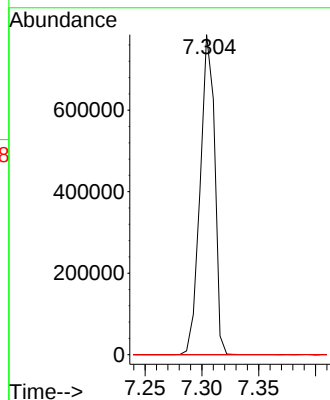
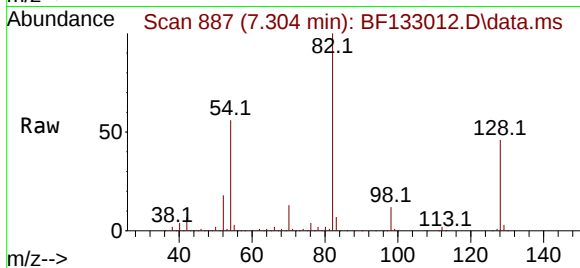




#25
Isophorone
Concen: 24.922 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.276 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

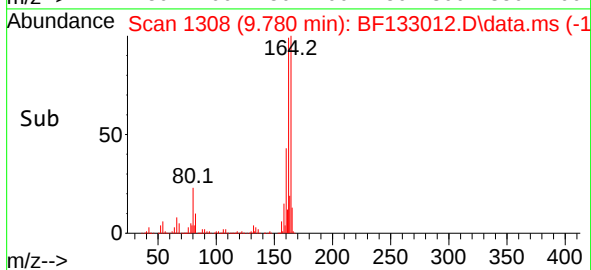
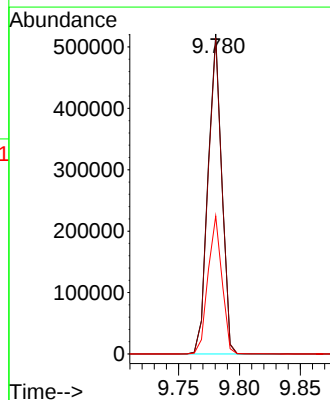
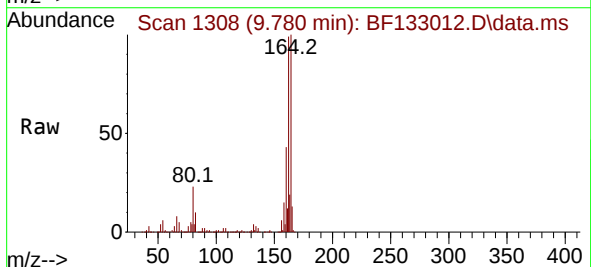
Instrument :
BNA_F
ClientSampleId :
SB-24-COMP

Tgt Ion: 82 Resp: 694489
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.780 min Scan# 1308
Delta R.T. -0.012 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

Tgt Ion:164 Resp: 406224
Ion Ratio Lower Upper
164 100
162 98.9 78.7 118.1
160 43.1 35.8 53.6

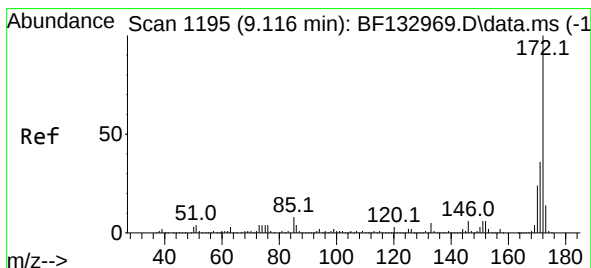
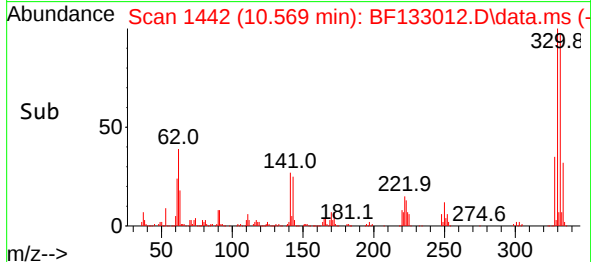
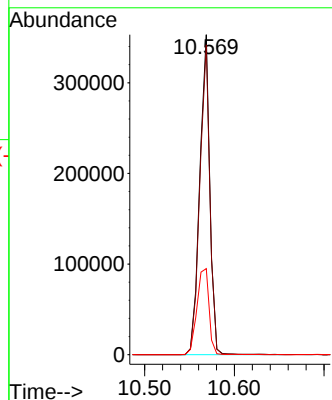
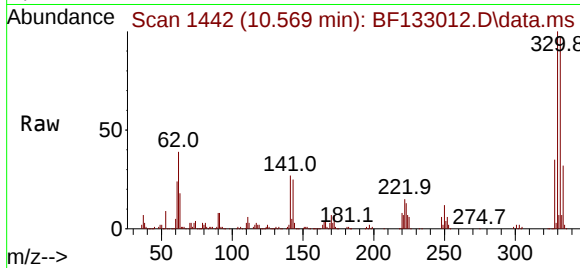




#42
2,4,6-Tribromophenol
Concen: 67.506 ng
RT: 10.569 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

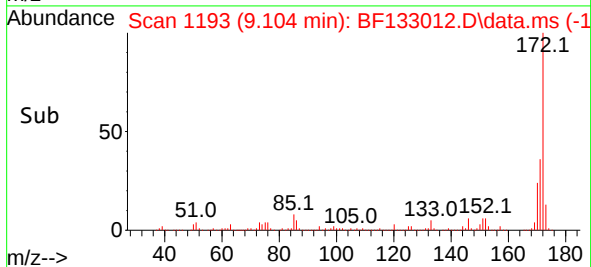
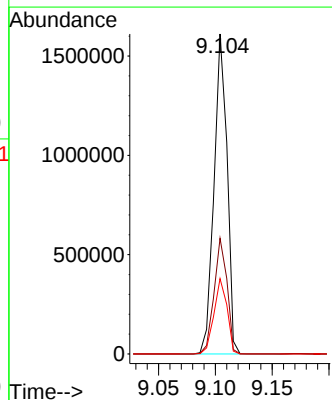
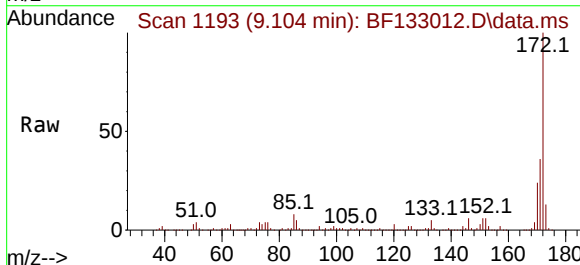
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ClientSampleId :
SB-24-COMP

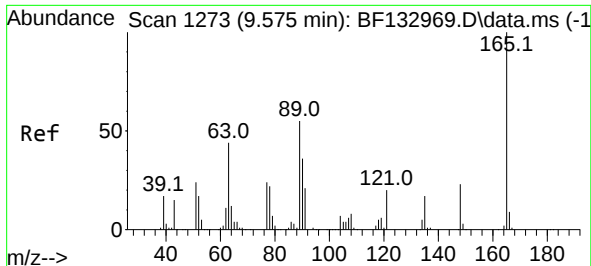
Tgt Ion:330 Resp: 275787
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 32.1 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 52.840 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.012 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

Tgt Ion:172 Resp: 1283010
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 23.6 19.4 29.2

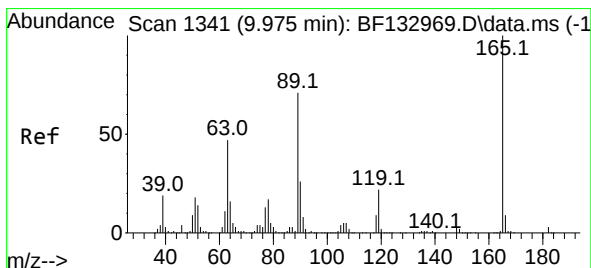
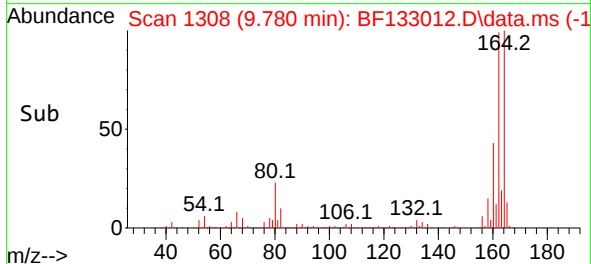
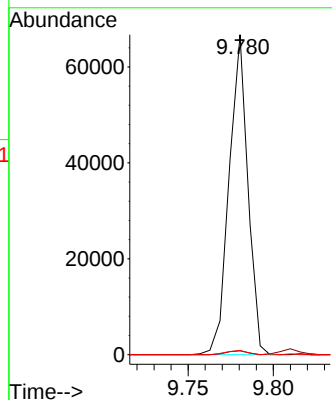
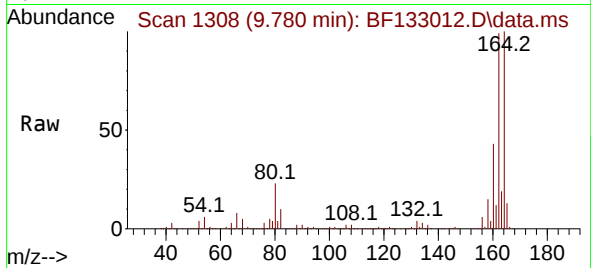




#51
2,6-Dinitrotoluene
Concen: 8.012 ng
RT: 9.780 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

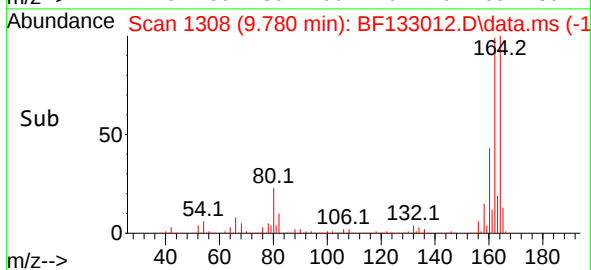
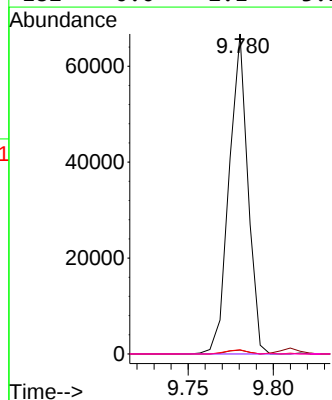
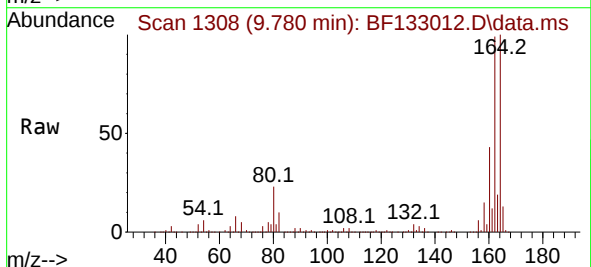
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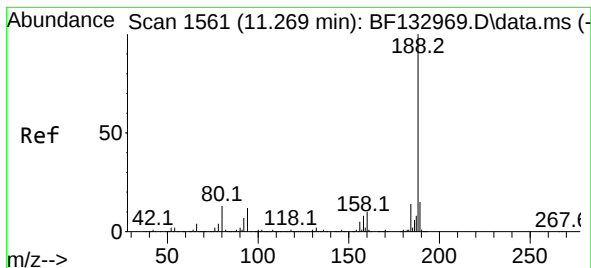
Tgt Ion:165 Resp: 51076
Ion Ratio Lower Upper
165 100
63 1.2 45.9 68.9#
89 1.3 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.282 ng
RT: 9.780 min Scan# 1308
Delta R.T. -0.194 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

Tgt Ion:165 Resp: 51076
Ion Ratio Lower Upper
165 100
63 1.2 37.7 56.5#
89 1.3 57.0 85.4#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.263 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133012.D

Acq: 24 Apr 2023 23:54

Instrument :

BNA_F

ClientSampleId :

SB-24-COMP

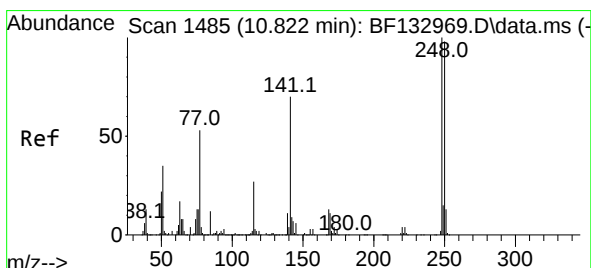
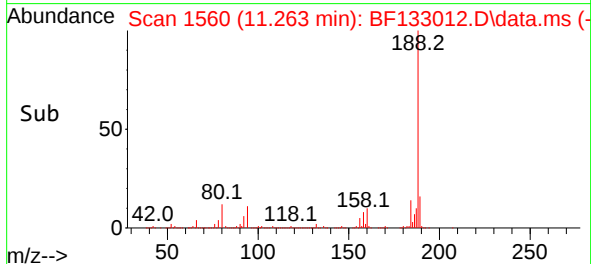
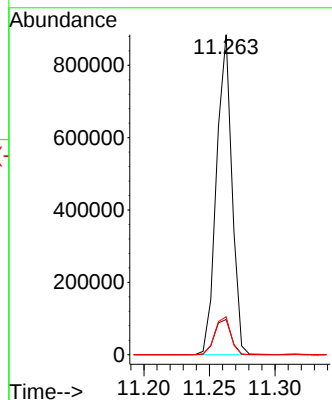
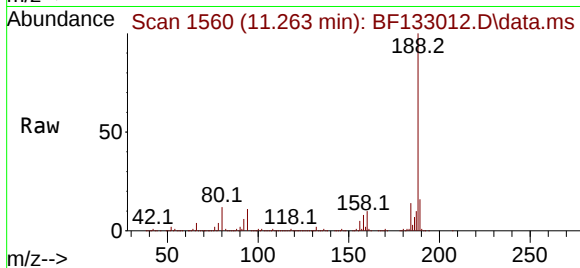
Tgt Ion:188 Resp: 721373

Ion Ratio Lower Upper

188 100

94 11.0 9.7 14.5

80 11.9 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 2.262 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.253 min

Lab File: BF133012.D

Acq: 24 Apr 2023 23:54

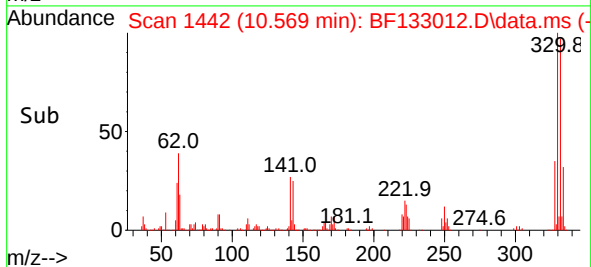
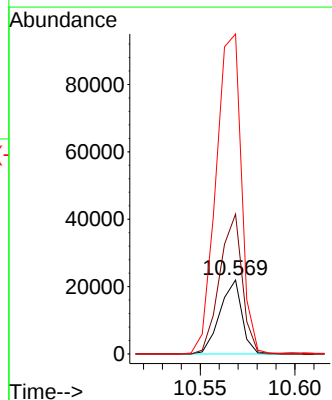
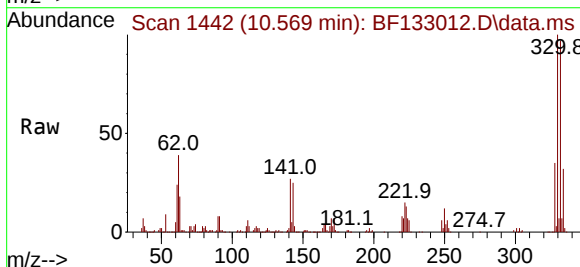
Tgt Ion:248 Resp: 17698

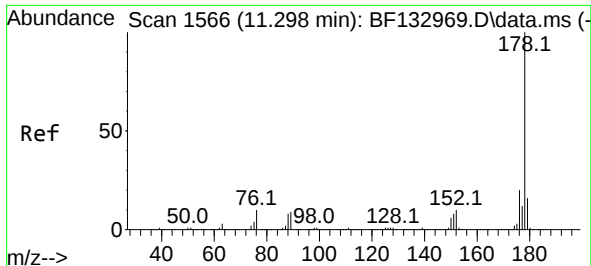
Ion Ratio Lower Upper

248 100

250 189.1 78.7 118.1#

141 432.7 56.3 84.5#

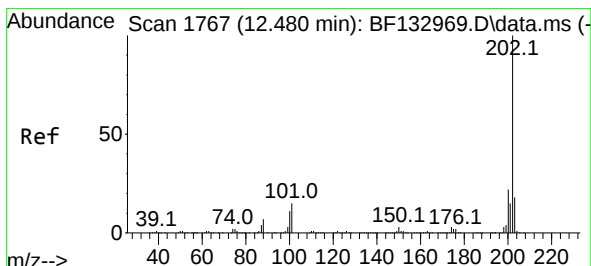
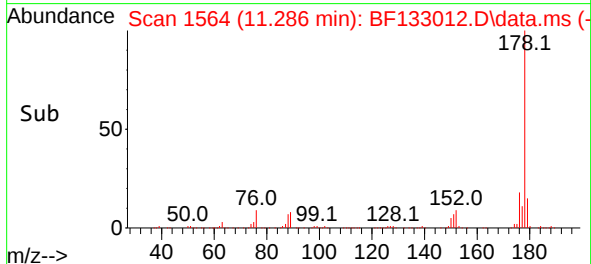
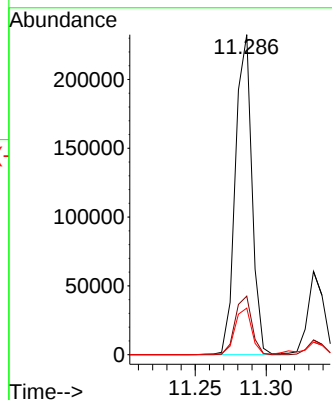
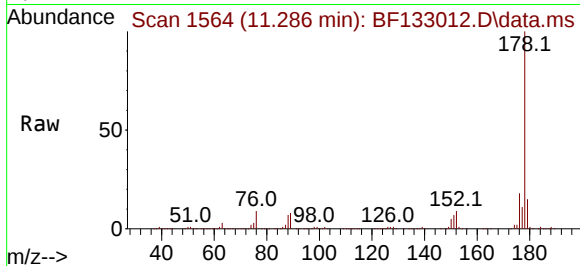




#71
Phenanthrene
Concen: 4.862 ng
RT: 11.286 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

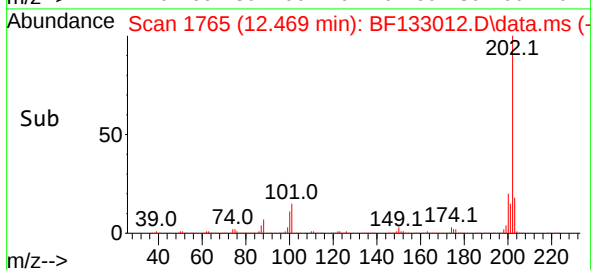
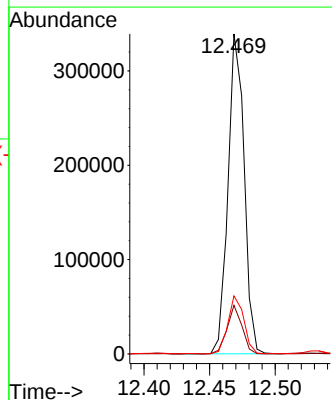
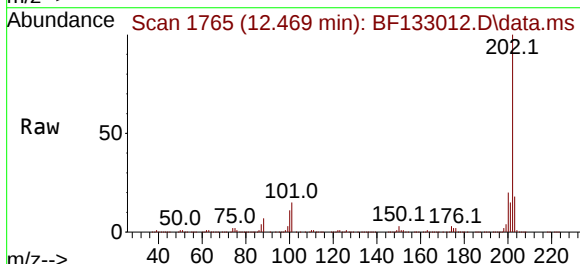
Instrument :
BNA_F
ClientSampleId :
SB-24-COMP

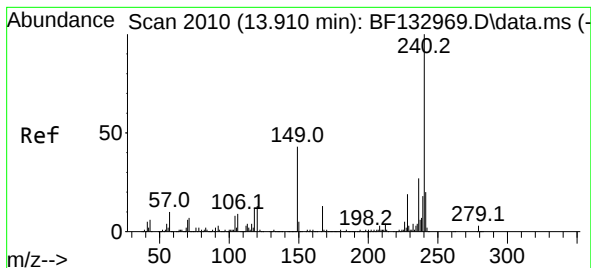
Tgt Ion:178 Resp: 188524
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 14.5 12.5 18.7



#75
Fluoranthene
Concen: 7.432 ng
RT: 12.469 min Scan# 1765
Delta R.T. -0.012 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

Tgt Ion:202 Resp: 289183
Ion Ratio Lower Upper
202 100
101 15.2 0.0 35.3
203 18.2 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.898 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133012.D

Acq: 24 Apr 2023 23:54

Instrument :

BNA_F

ClientSampleId :

SB-24-COMP

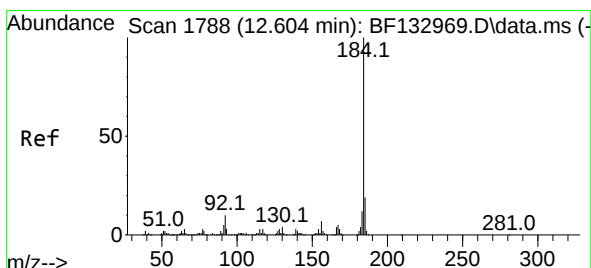
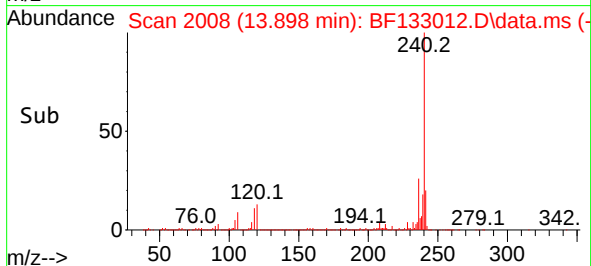
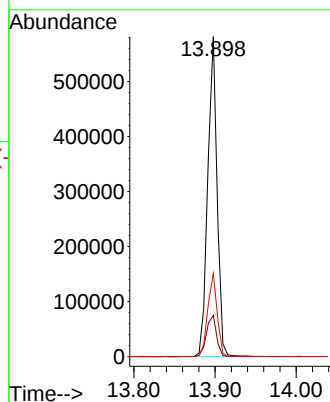
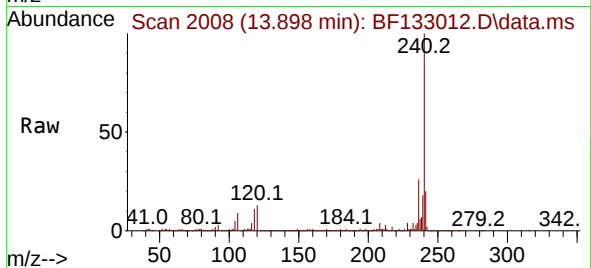
Tgt Ion:240 Resp: 464351

Ion Ratio Lower Upper

240 100

120 12.9 10.5 15.7

236 26.0 21.5 32.3



#77

Benzidine

Concen: 2.222 ng

RT: 12.851 min Scan# 1830

Delta R.T. 0.247 min

Lab File: BF133012.D

Acq: 24 Apr 2023 23:54

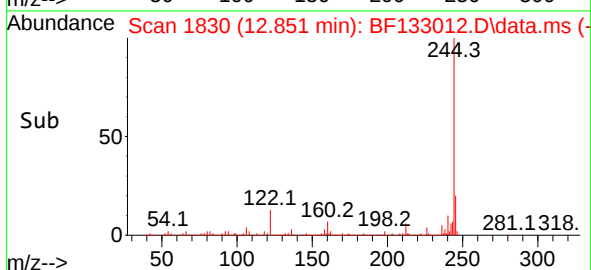
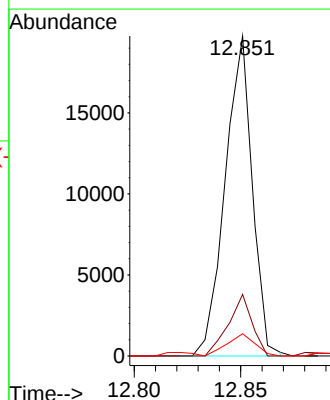
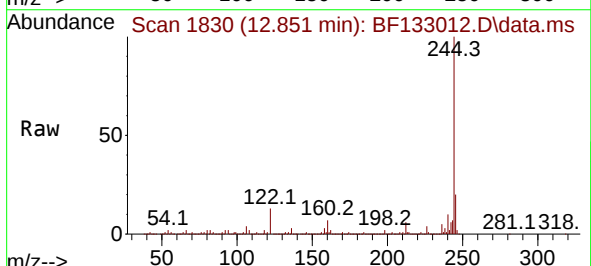
Tgt Ion:184 Resp: 17448

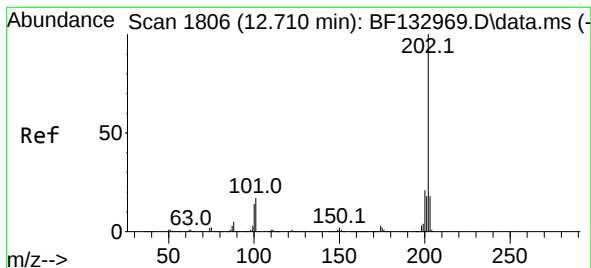
Ion Ratio Lower Upper

184 100

185 19.2 15.4 23.2

183 6.9 9.4 14.0#





#78

Pyrene

Concen: 6.116 ng

RT: 12.698 min Scan# 1804

Delta R.T. -0.012 min

Lab File: BF133012.D

Acq: 24 Apr 2023 23:54

Instrument :

BNA_F

ClientSampleId :

SB-24-COMP

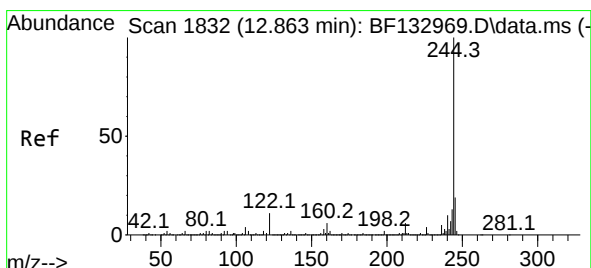
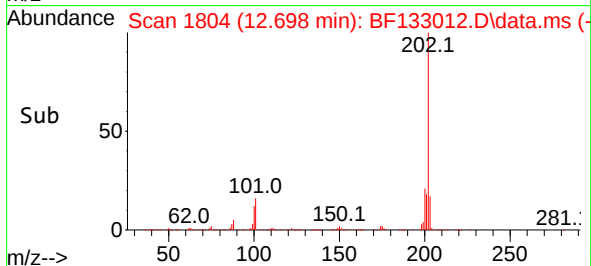
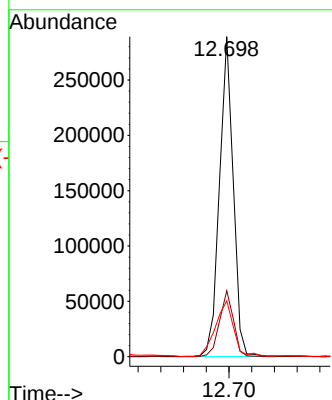
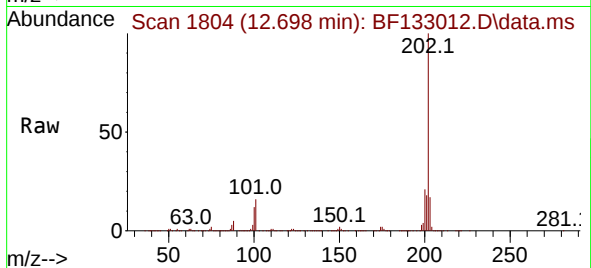
Tgt Ion:202 Resp: 243467

Ion Ratio Lower Upper

202 100

200 20.6 17.1 25.7

203 17.5 14.1 21.1



#79

Terphenyl-d14

Concen: 54.470 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.012 min

Lab File: BF133012.D

Acq: 24 Apr 2023 23:54

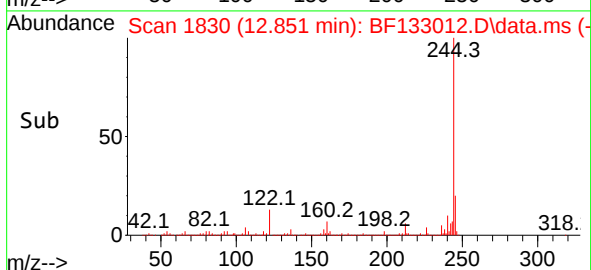
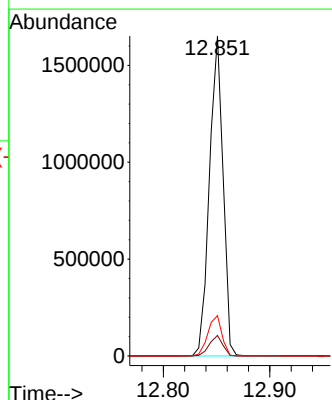
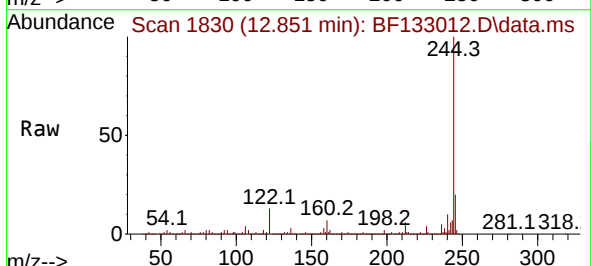
Tgt Ion:244 Resp: 1466565

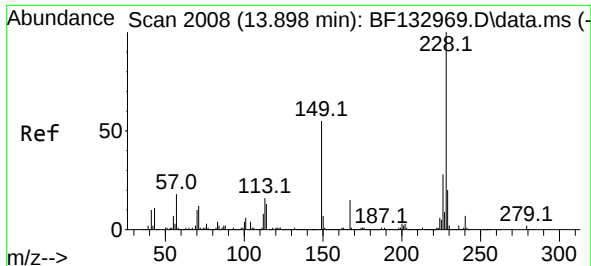
Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 12.6 8.6 13.0

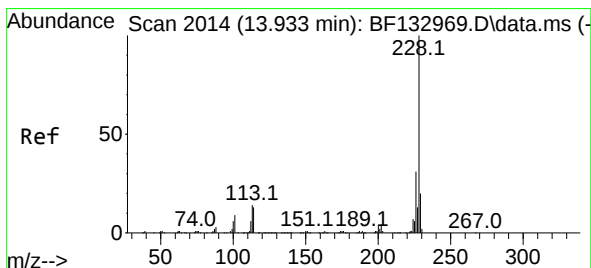
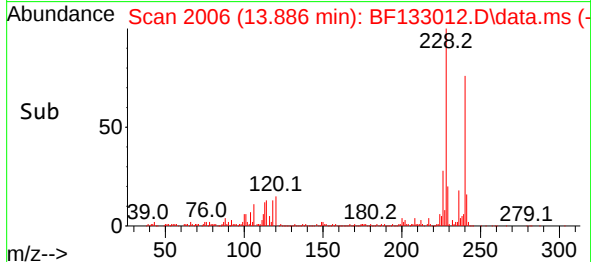
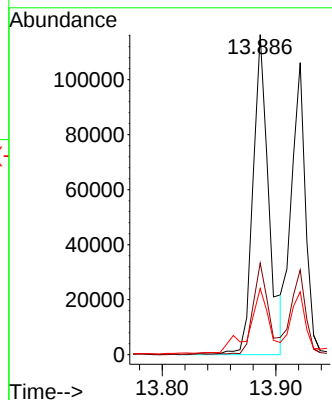
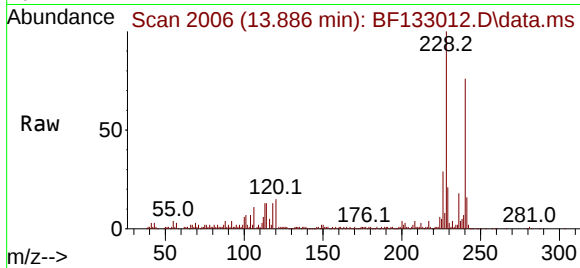




#81
Benzo(a)anthracene
Concen: 3.529 ng
RT: 13.886 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

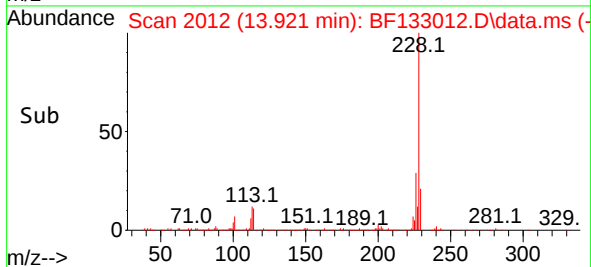
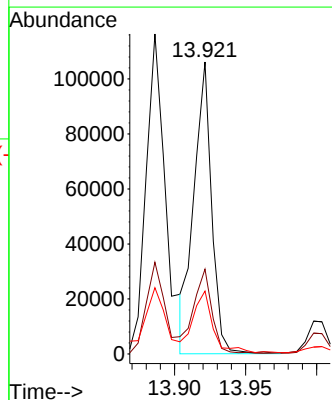
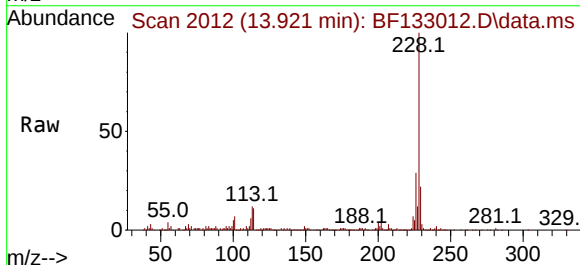
Instrument :
BNA_F
ClientSampleId :
SB-24-COMP

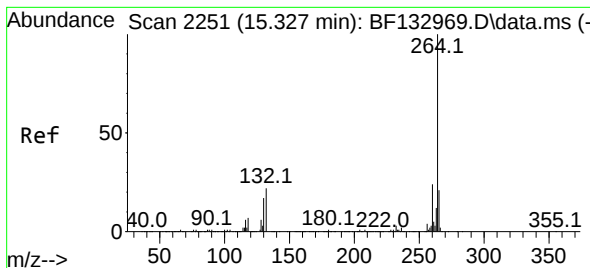
Tgt Ion:228 Resp: 112686
Ion Ratio Lower Upper
228 100
226 28.6 22.2 33.4
229 20.7 16.0 24.0



#83
Chrysene
Concen: 2.892 ng
RT: 13.921 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF133012.D
Acq: 24 Apr 2023 23:54

Tgt Ion:228 Resp: 92334
Ion Ratio Lower Upper
228 100
226 29.1 24.7 37.1
229 21.5 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.321 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133012.D

Acq: 24 Apr 2023 23:54

Instrument :

BNA_F

ClientSampleId :

SB-24-COMP

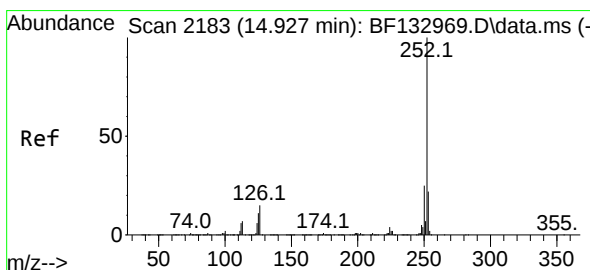
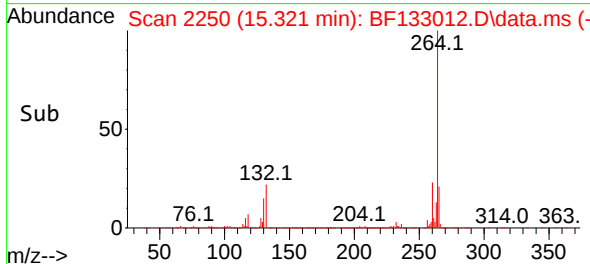
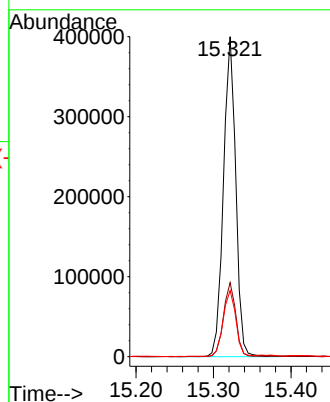
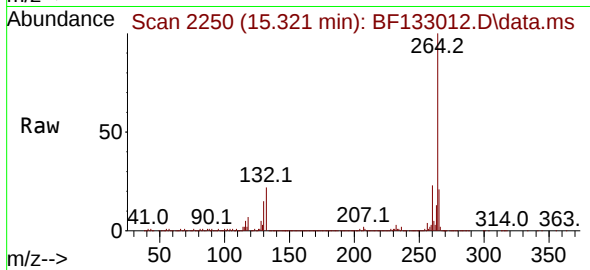
Tgt Ion:264 Resp: 440779

Ion Ratio Lower Upper

264 100

260 23.1 18.8 28.2

265 20.7 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 4.924 ng

RT: 14.910 min Scan# 2180

Delta R.T. -0.018 min

Lab File: BF133012.D

Acq: 24 Apr 2023 23:54

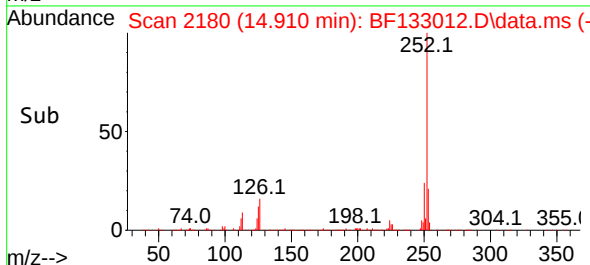
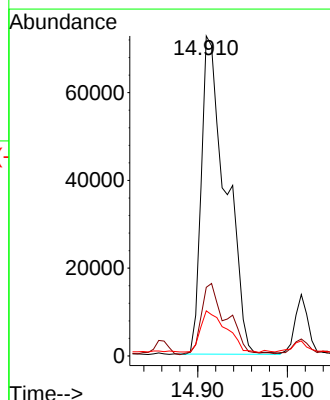
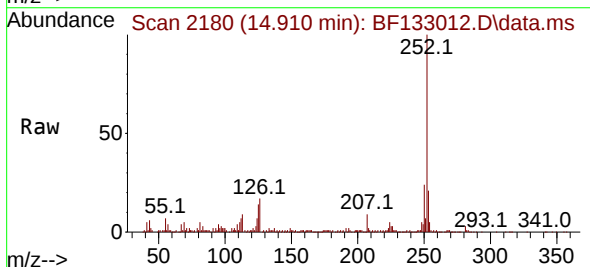
Tgt Ion:252 Resp: 138091

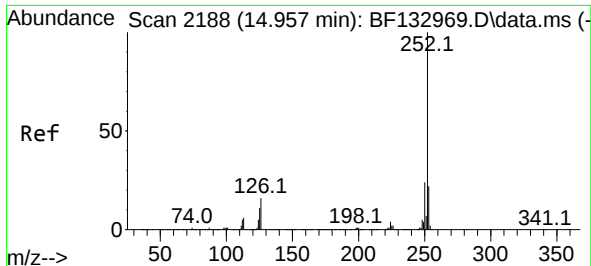
Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 14.1 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 4.968 ng

RT: 14.910 min Scan# 2188

Delta R.T. -0.047 min

Lab File: BF133012.D

Acq: 24 Apr 2023 23:54

Instrument :

BNA_F

ClientSampleId :

SB-24-COMP

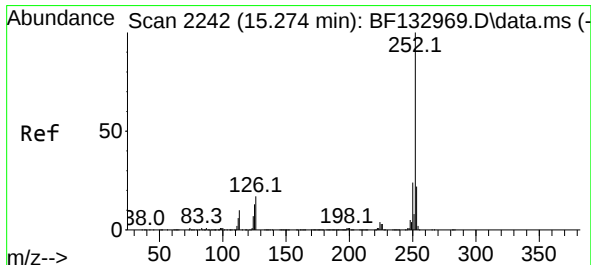
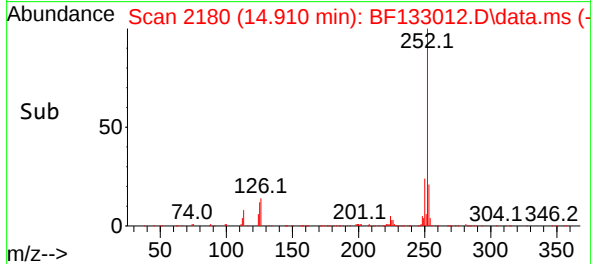
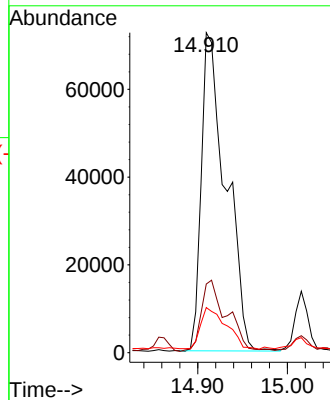
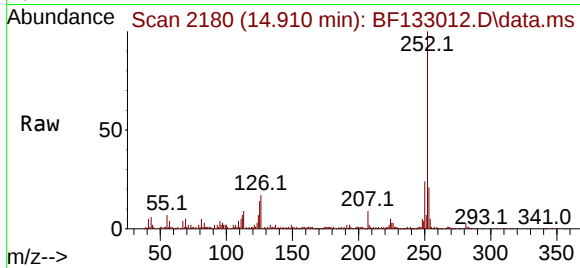
Tgt Ion:252 Resp: 138091

Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

125 14.1 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 2.762 ng

RT: 15.257 min Scan# 2239

Delta R.T. -0.018 min

Lab File: BF133012.D

Acq: 24 Apr 2023 23:54

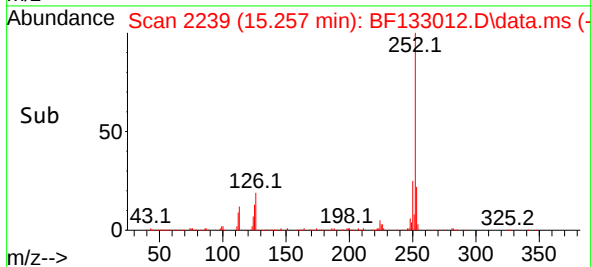
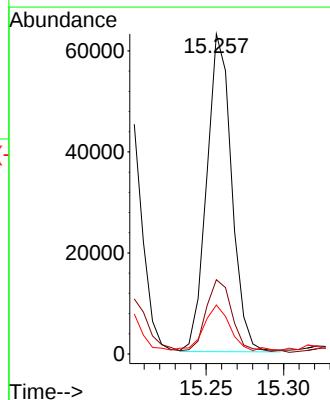
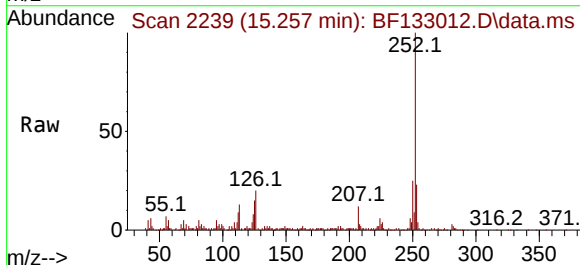
Tgt Ion:252 Resp: 70509

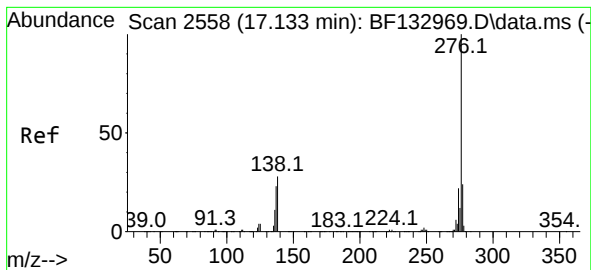
Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 15.3 10.5 15.7





#92

Benzo(g,h,i)perylene

Concen: 2.287 ng

RT: 17.109 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF133012.D

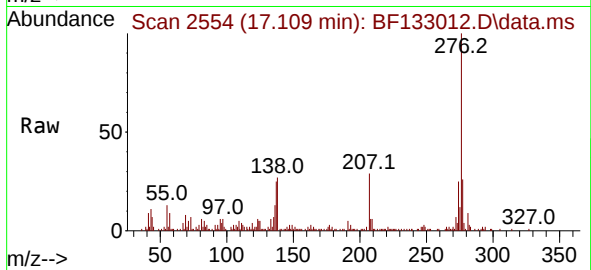
Acq: 24 Apr 2023 23:54

Instrument :

BNA_F

ClientSampleId :

SB-24-COMP



Tgt Ion:276 Resp: 47213

Ion Ratio Lower Upper

276 100

277 26.1 19.4 29.0

138 26.9 22.7 34.1

