

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
 Data File : BF133046.D
 Acq On : 26 Apr 2023 01:03
 Operator : CG\JU
 Sample : 02270-25RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-16-0-2-20230413

Quant Time: Apr 26 02:20:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 25 18:24:07 2023
 Response via : Initial Calibration

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

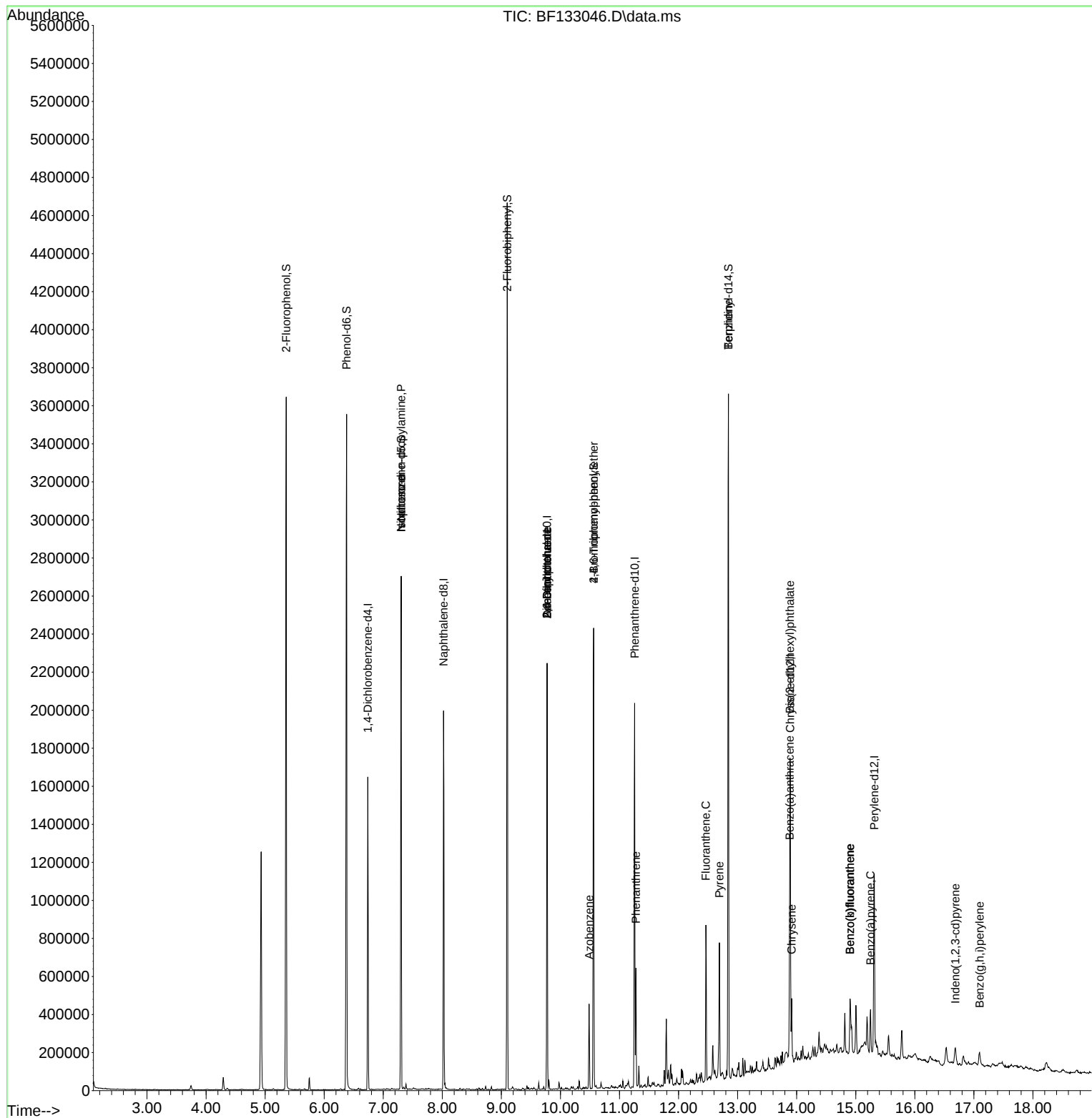
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	206120	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	790968	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	413305	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	683139	20.000	ng	0.00
76) Chrysene-d12	13.892	240	418606	20.000	ng	0.00
86) Perylene-d12	15.315	264	433468	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	995745	72.976	ng	0.00
7) Phenol-d6	6.381	99	1204656	71.130	ng	0.00
23) Nitrobenzene-d5	7.304	82	750957	51.246	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	288574	69.426	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1365026	55.254	ng	-0.01
79) Terphenyl-d14	12.845	244	1245065	51.297	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.281	77	1009	Below Cal		87
19) n-Nitroso-di-n-propyla...	7.304	70	97683	9.265 ng	#	77
25) Isophorone	7.304	82	749627	26.943 ng	#	63
50) Dimethylphthalate	9.774	163	81905	2.842 ng	#	1
51) 2,6-Dinitrotoluene	9.774	165	53624	8.267 ng	#	24
57) 2,4-Dinitrotoluene	9.774	165	53624	6.483 ng	#	23
63) Azobenzene	10.486	77	64724	2.245 ng	#	1
67) 4-Bromophenyl-phenylether	10.563	248	18841	2.543 ng	#	1
71) Phenanthrene	11.280	178	205225	5.589 ng		99
75) Fluoranthene	12.463	202	304658	8.268 ng		98
77) Benzidine	12.845	184	14763	2.086 ng	#	92
78) Pyrene	12.692	202	264871	7.381 ng		100
81) Benzo(a)anthracene	13.880	228	114439	3.975 ng		95
83) Chrysene	13.915	228	121798	4.232 ng		99
84) Bis(2-ethylhexyl)phtha...	13.886	149	70942	4.448 ng		99
87) Indeno(1,2,3-cd)pyrene	16.686	276	57186	2.319 ng		94
88) Benzo(b)fluoranthene	14.904	252	199914	7.249 ng	#	97
89) Benzo(k)fluoranthene	14.904	252	199914	7.313 ng	#	97
90) Benzo(a)pyrene	15.251	252	101601	4.048 ng		97
92) Benzo(g,h,i)perylene	17.098	276	51047	2.514 ng		99

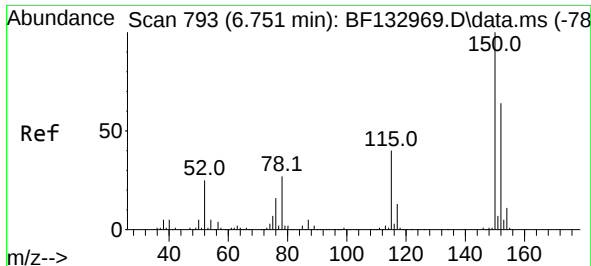
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133046.D
Acq On : 26 Apr 2023 01:03
Operator : CG\JU
Sample : 02270-25RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-16-0-2-20230413

Quant Time: Apr 26 02:20:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 25 18:24:07 2023
Response via : Initial Calibration

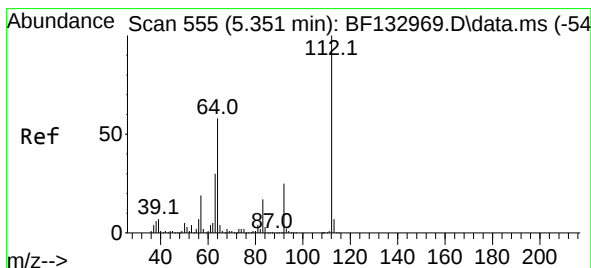
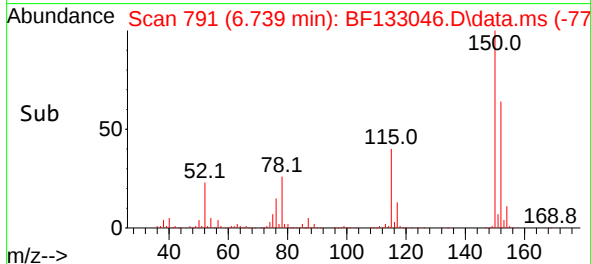
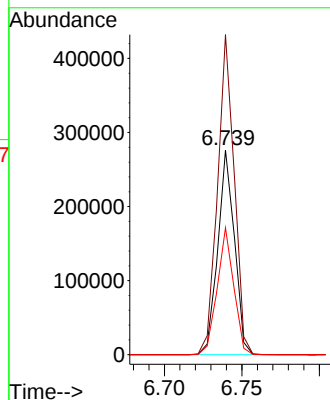
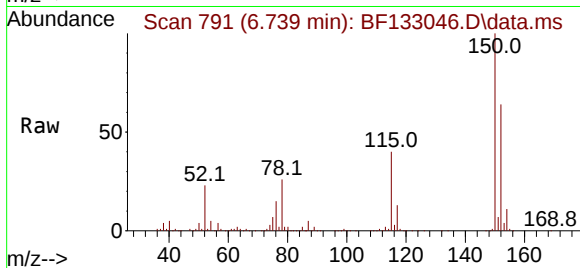




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

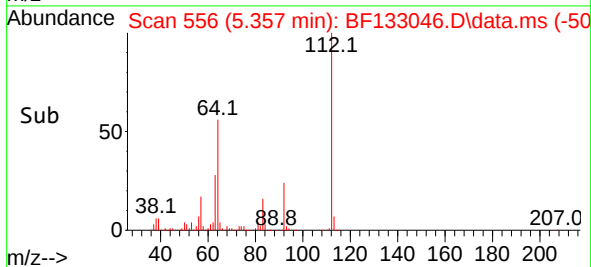
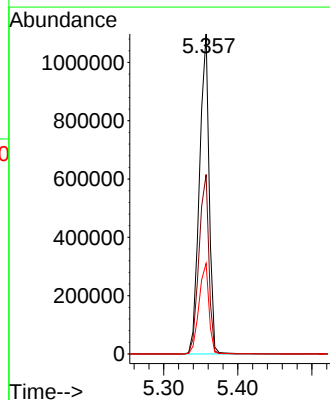
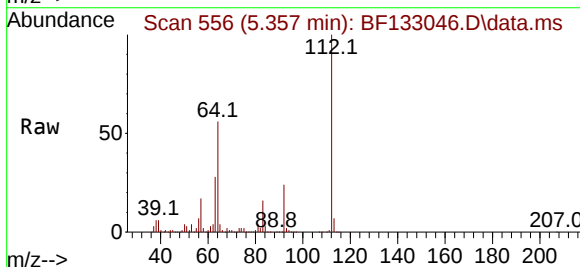
Instrument :
BNA_F
ClientSampleId :
SB-16-0-2-20230413

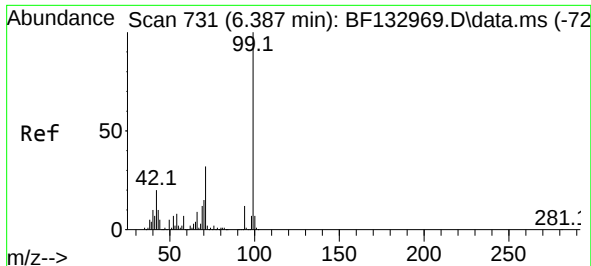
Tgt Ion:152 Resp: 206120
Ion Ratio Lower Upper
152 100
150 156.3 124.8 187.2
115 62.0 49.9 74.9



#5
2-Fluorophenol
Concen: 72.976 ng
RT: 5.357 min Scan# 556
Delta R.T. 0.006 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

Tgt Ion:112 Resp: 995745
Ion Ratio Lower Upper
112 100
64 56.1 46.8 70.2
63 28.3 23.8 35.8

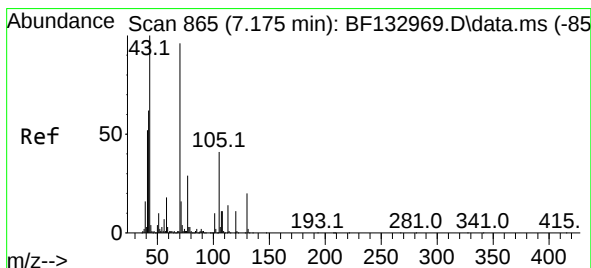
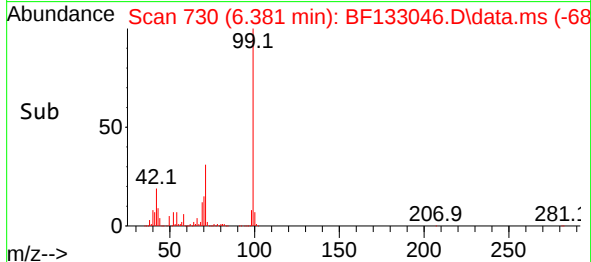
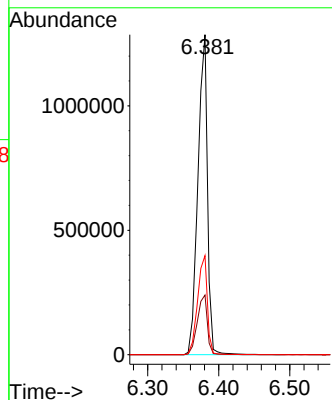
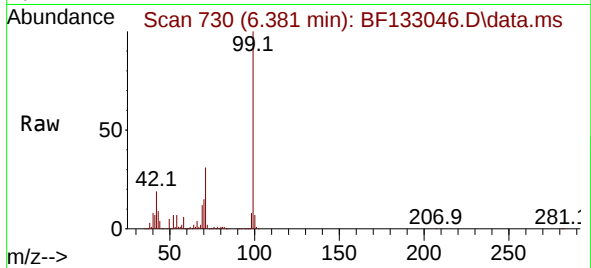




#7
Phenol-d6
Concen: 71.130 ng
RT: 6.381 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

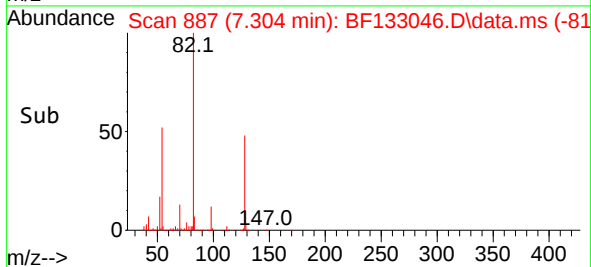
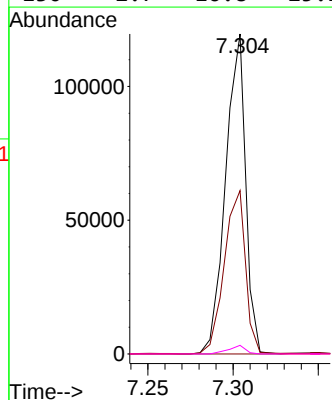
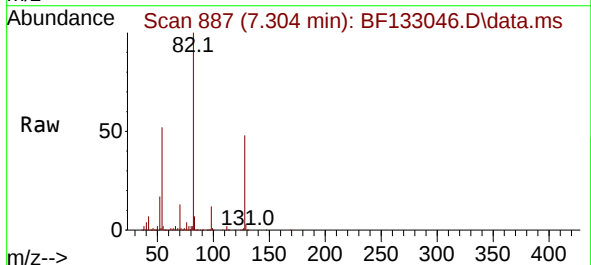
Instrument :
BNA_F
ClientSampleId :
SB-16-0-2-20230413

Tgt Ion: 99 Resp: 1204656
Ion Ratio Lower Upper
99 100
42 18.7 16.3 24.5
71 31.0 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.265 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

Tgt Ion: 70 Resp: 97683
Ion Ratio Lower Upper
70 100
42 51.1 51.8 77.6#
101 0.0 8.0 12.0#
130 2.7 16.8 25.2#

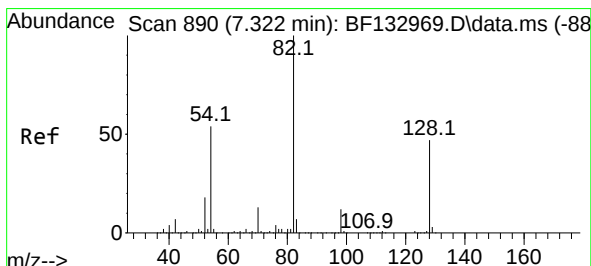
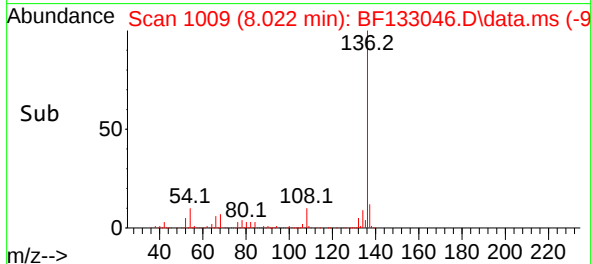
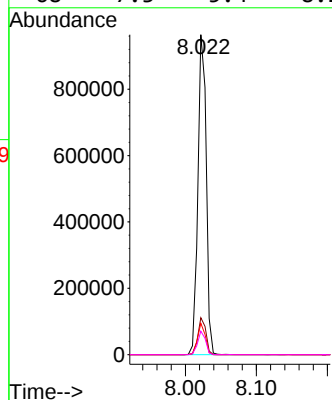
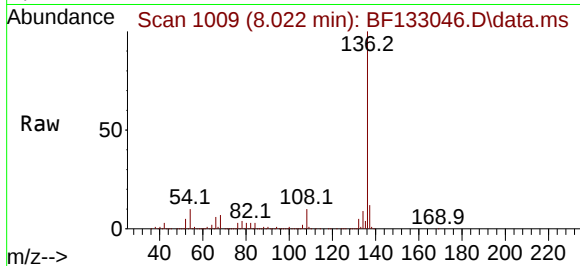




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

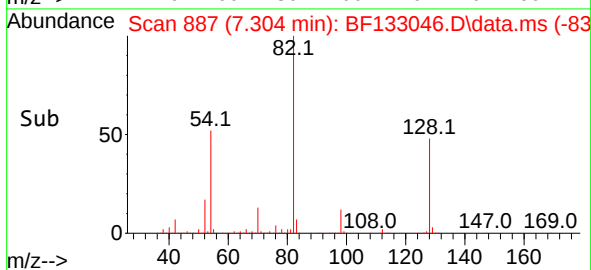
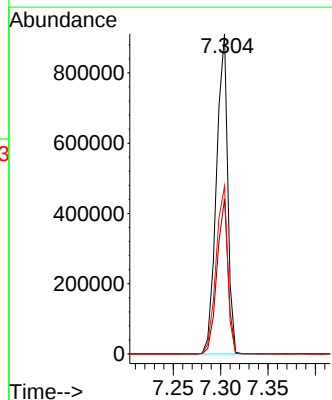
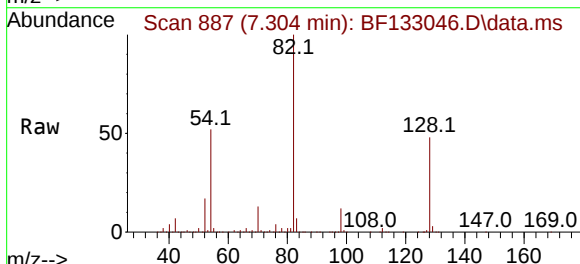
Instrument :
BNA_F
ClientSampleId :
SB-16-0-2-20230413

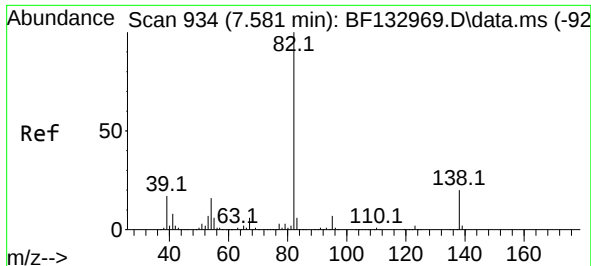
Tgt	Ion:136	Resp:	790968
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.6	13.0
54	9.8	7.0	10.4
68	7.3	5.4	8.2



#23
Nitrobenzene-d5
Concen: 51.246 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

Tgt Ion: 82	Resp: 750957
Ion Ratio	Lower Upper
82 100	
128 48.5	37.7 56.5
54 52.4	43.0 64.4

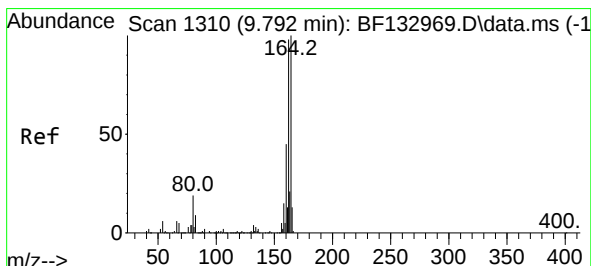
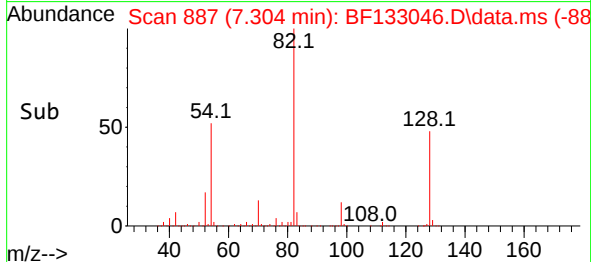
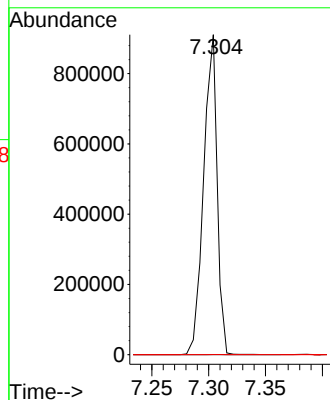
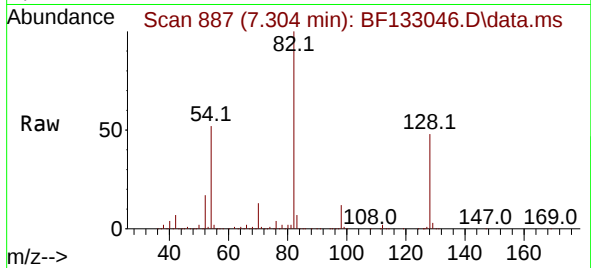




#25
Isophorone
Concen: 26.943 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

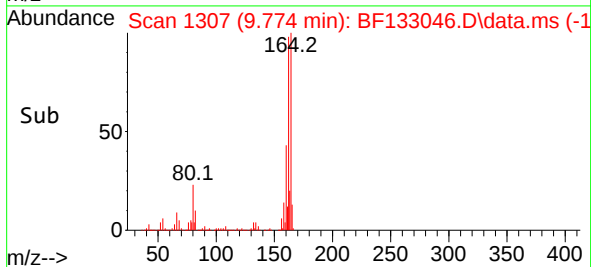
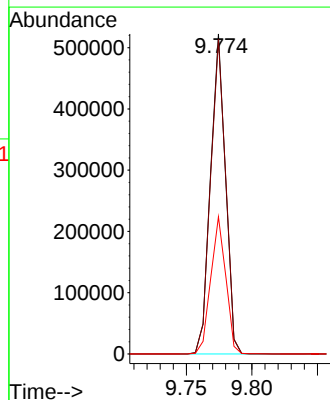
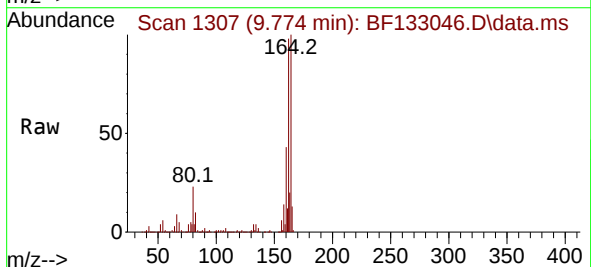
Instrument :
BNA_F
ClientSampleId :
SB-16-0-2-20230413

Tgt Ion: 82 Resp: 749627
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: 9.774 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

Tgt Ion:164 Resp: 413305
Ion Ratio Lower Upper
164 100
162 98.3 78.7 118.1
160 42.9 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 69.426 ng

RT: 10.563 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

Instrument :

BNA_F

ClientSampleId :

SB-16-0-2-20230413

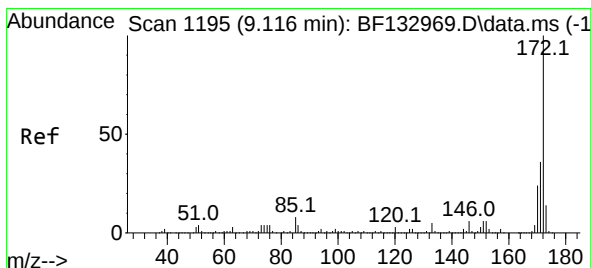
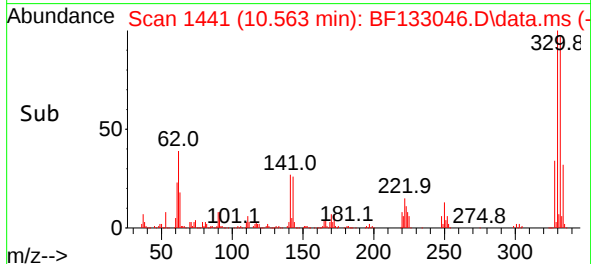
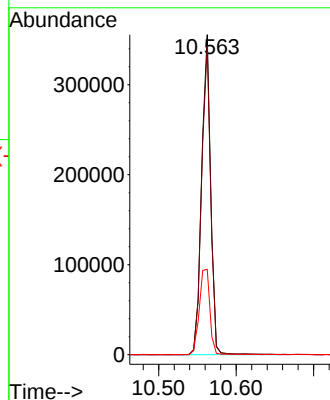
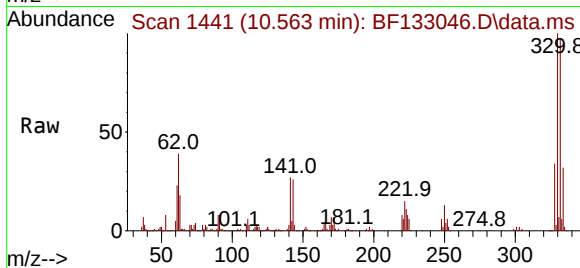
Tgt Ion:330 Resp: 288574

Ion Ratio Lower Upper

330 100

332 96.2 77.1 115.7

141 31.3 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 55.254 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.012 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

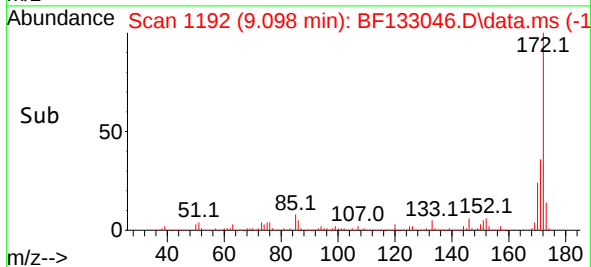
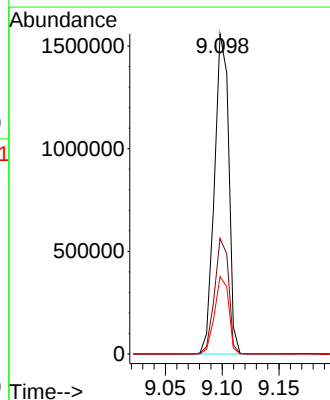
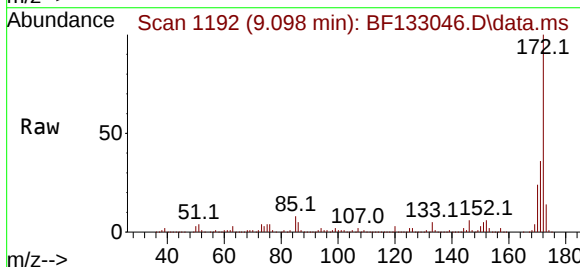
Tgt Ion:172 Resp: 1365026

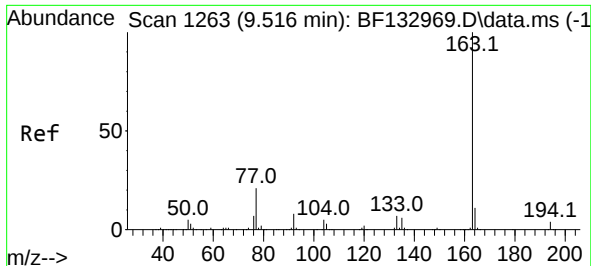
Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

170 24.2 19.4 29.2

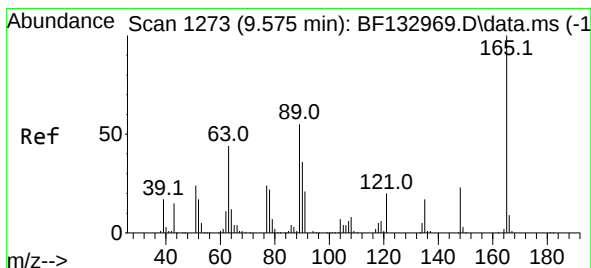
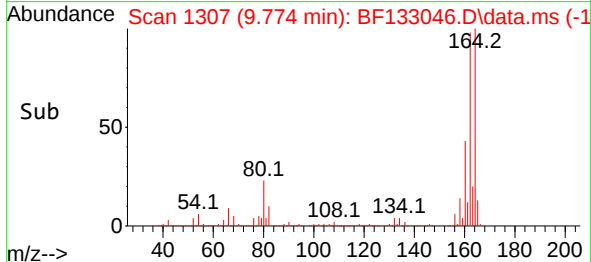
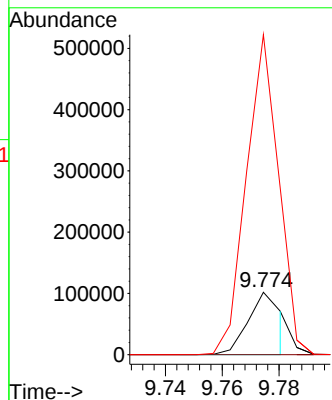
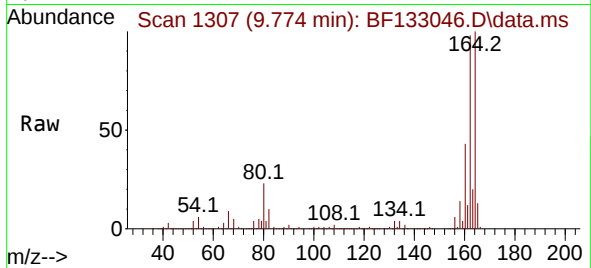




#50
Dimethylphthalate
Concen: 2.842 ng
RT: 9.774 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

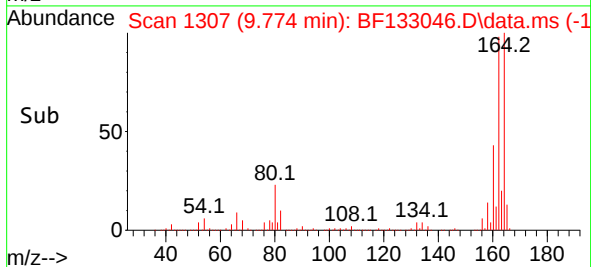
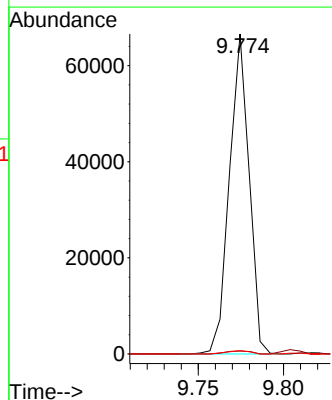
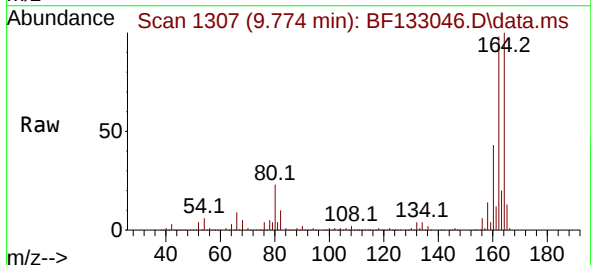
Instrument :
BNA_F
ClientSampleId :
SB-16-0-2-20230413

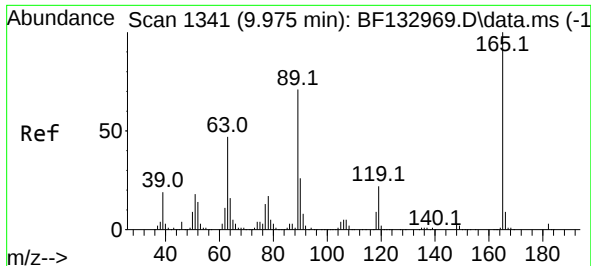
Tgt Ion:163 Resp: 81905
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 512.4 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.267 ng
RT: 9.774 min Scan# 1307
Delta R.T. 0.206 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

Tgt Ion:165 Resp: 53624
Ion Ratio Lower Upper
165 100
63 0.9 45.9 68.9#
89 1.1 44.0 66.0#





#57

2,4-Dinitrotoluene

Concen: 6.483 ng

RT: 9.774 min Scan# 1

Delta R.T. -0.194 min

Lab File: BF133046.D

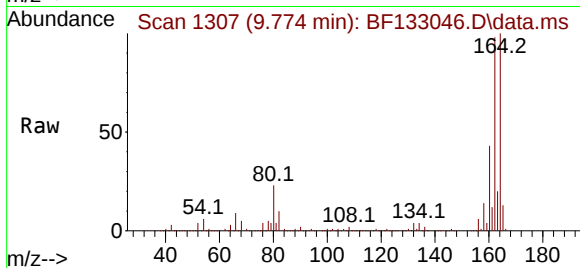
Acq: 26 Apr 2023 01:03

Instrument :

BNA_F

ClientSampleId :

SB-16-0-2-20230413



Tgt Ion:165 Resp: 53624

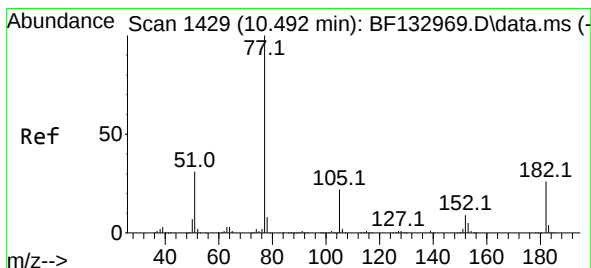
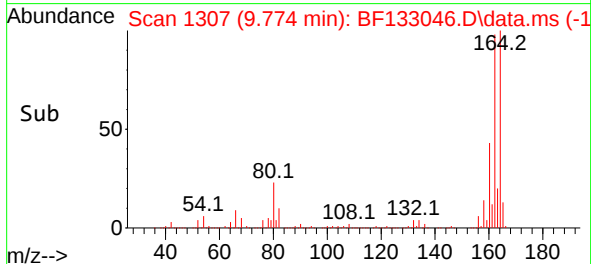
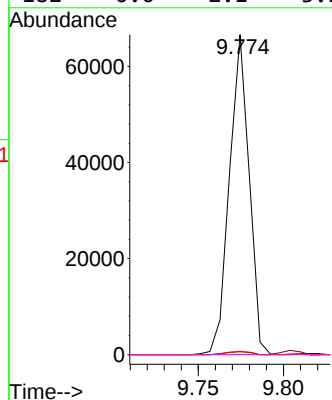
Ion Ratio Lower Upper

165 100

63 0.9 37.7 56.5#

89 1.1 57.0 85.4#

182 0.0 2.1 3.1#



#63

Azobenzene

Concen: 2.245 ng

RT: 10.486 min Scan# 1428

Delta R.T. -0.000 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

Tgt Ion: 77 Resp: 64724

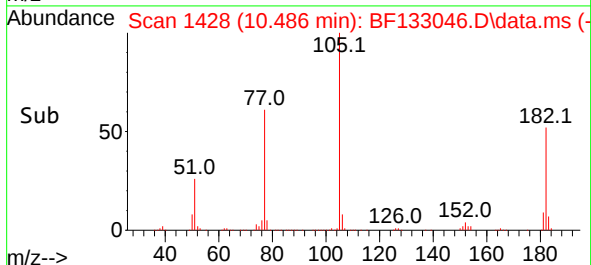
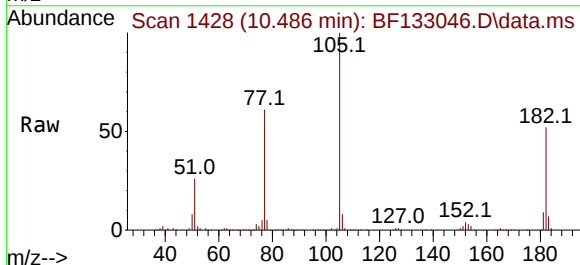
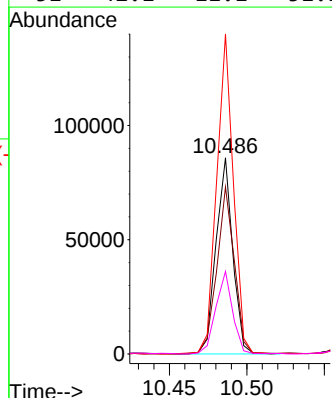
Ion Ratio Lower Upper

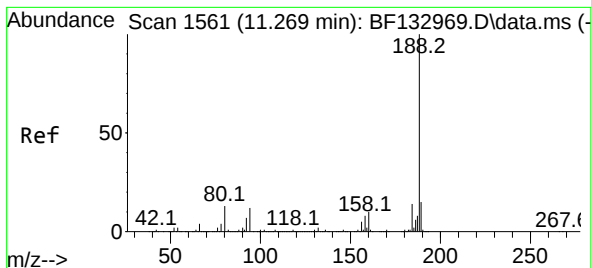
77 100

182 85.2 5.9 45.9#

105 163.2 2.3 42.3#

51 42.1 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.257 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

Instrument :

BNA_F

ClientSampleId :

SB-16-0-2-20230413

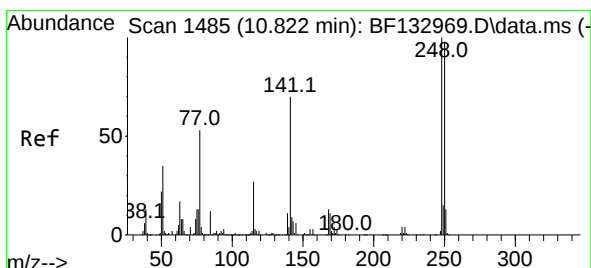
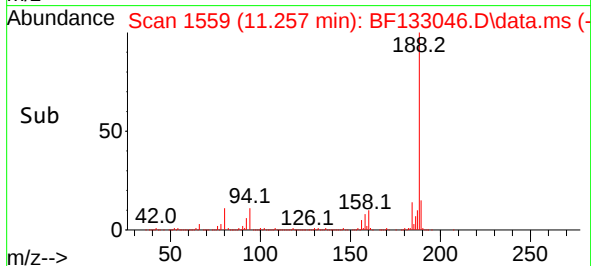
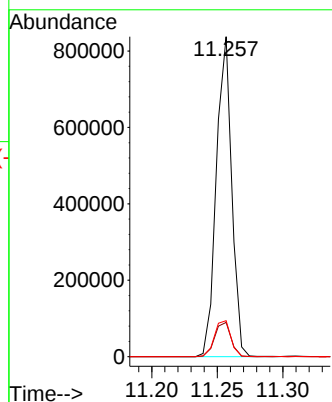
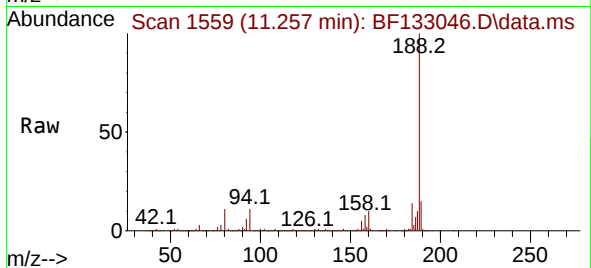
Tgt Ion:188 Resp: 683139

Ion Ratio Lower Upper

188 100

94 10.7 9.7 14.5

80 11.3 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 2.543 ng

RT: 10.563 min Scan# 1441

Delta R.T. -0.247 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

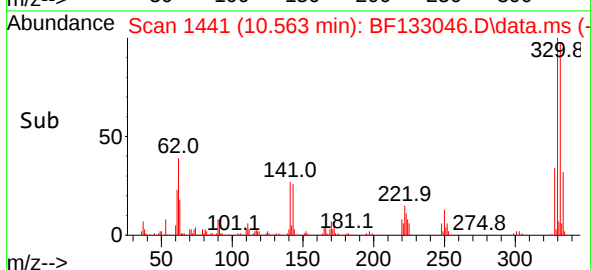
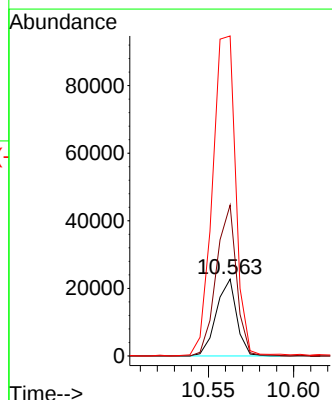
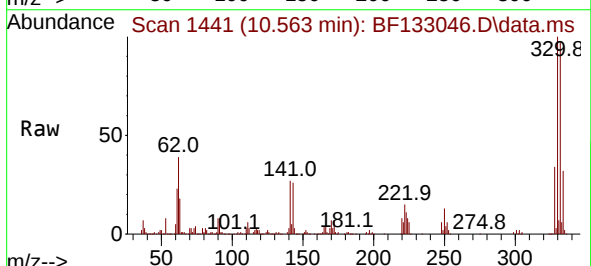
Tgt Ion:248 Resp: 18841

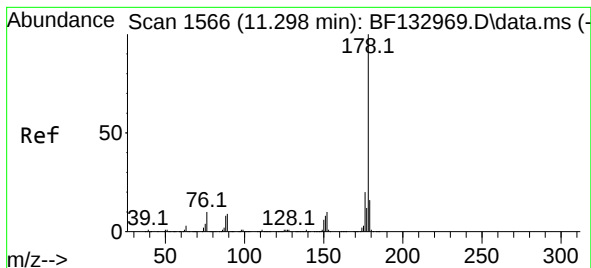
Ion Ratio Lower Upper

248 100

250 196.7 78.7 118.1#

141 416.9 56.3 84.5#





#71

Phenanthrene

Concen: 5.589 ng

RT: 11.280 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

Instrument :

BNA_F

ClientSampleId :

SB-16-0-2-20230413

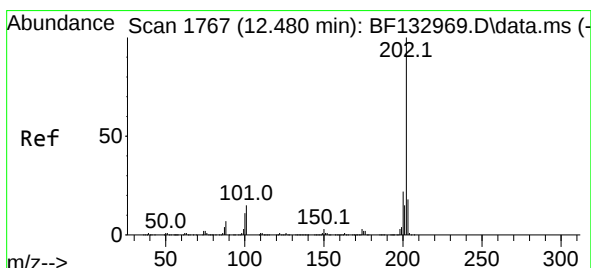
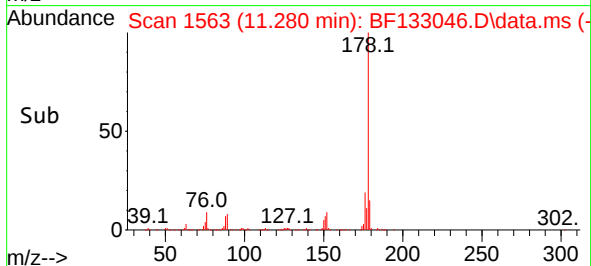
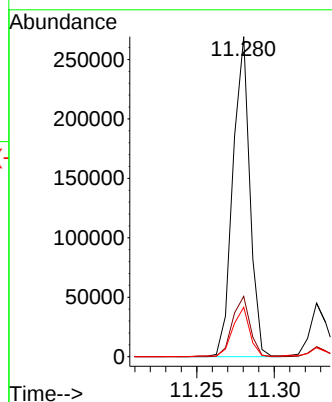
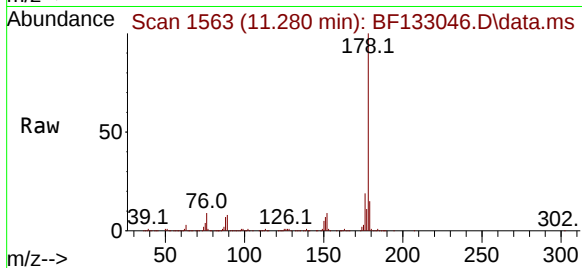
Tgt Ion:178 Resp: 205225

Ion Ratio Lower Upper

178 100

176 18.8 15.9 23.9

179 15.4 12.5 18.7



#75

Fluoranthene

Concen: 8.268 ng

RT: 12.463 min Scan# 1764

Delta R.T. -0.012 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

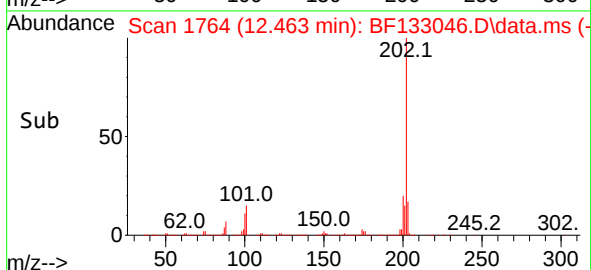
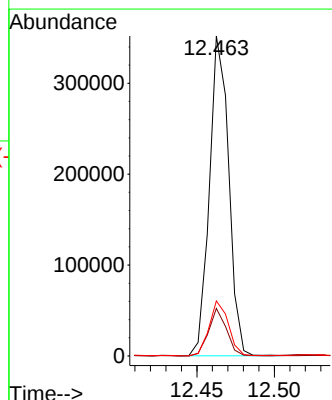
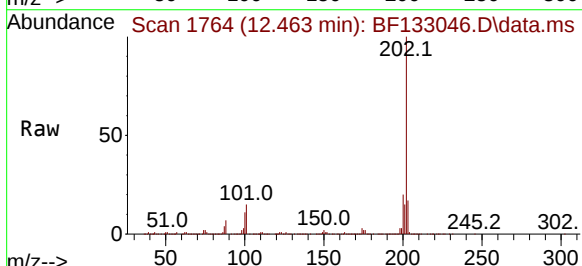
Tgt Ion:202 Resp: 304658

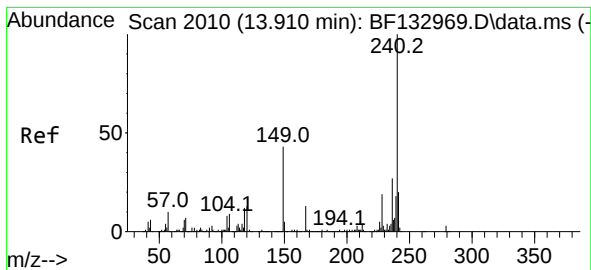
Ion Ratio Lower Upper

202 100

101 14.9 0.0 35.3

203 17.2 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.892 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

Instrument :

BNA_F

ClientSampleId :

SB-16-0-2-20230413

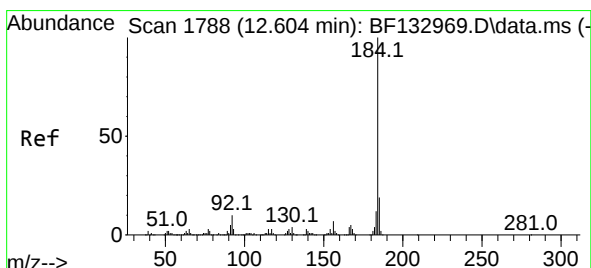
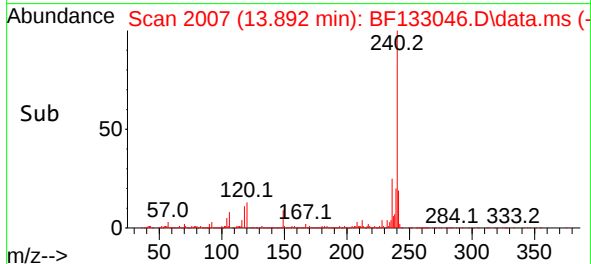
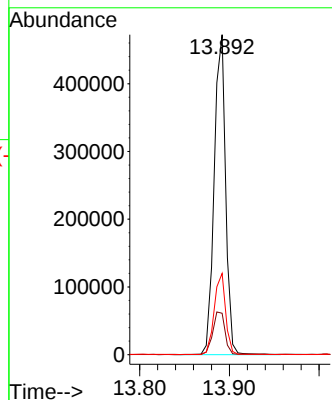
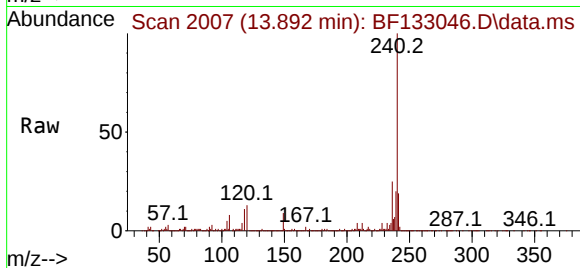
Tgt Ion:240 Resp: 418606

Ion Ratio Lower Upper

240 100

120 13.0 10.5 15.7

236 25.4 21.5 32.3



#77

Benzidine

Concen: 2.086 ng

RT: 12.845 min Scan# 1829

Delta R.T. 0.253 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

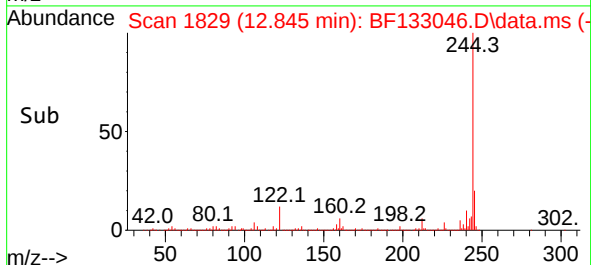
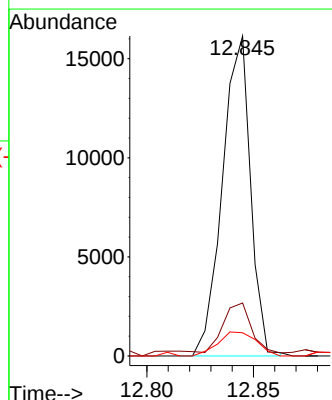
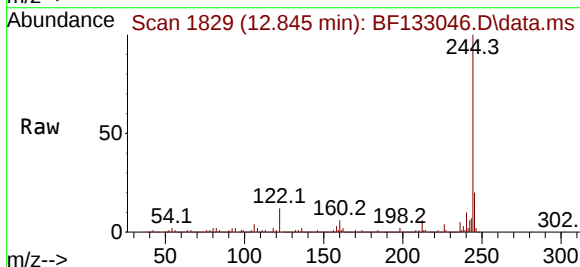
Tgt Ion:184 Resp: 14763

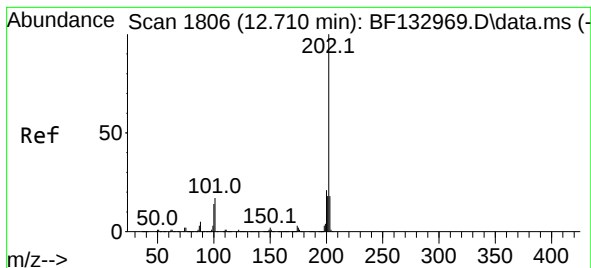
Ion Ratio Lower Upper

184 100

185 16.6 15.4 23.2

183 7.3 9.4 14.0#





#78

Pyrene

Concen: 7.381 ng

RT: 12.692 min Scan# 1803

Delta R.T. -0.006 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

Instrument :

BNA_F

ClientSampleId :

SB-16-0-2-20230413

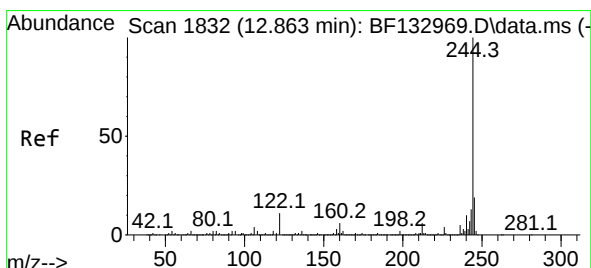
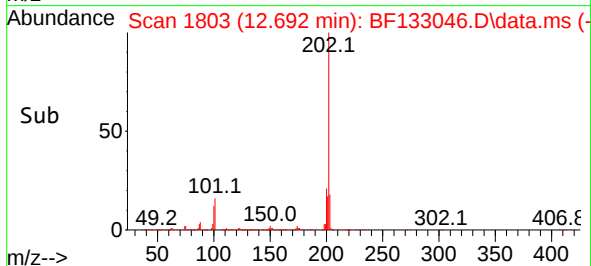
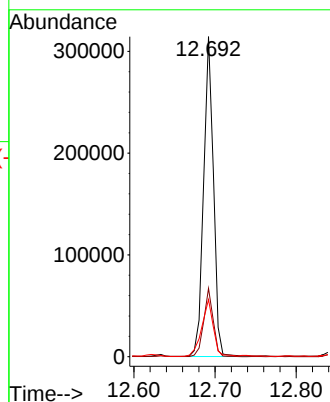
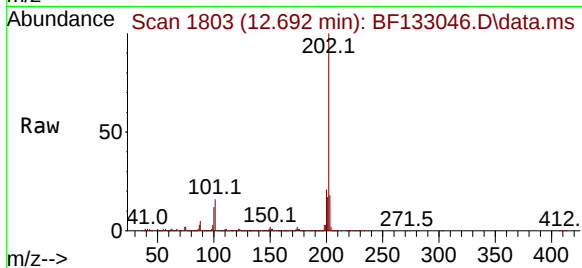
Tgt Ion:202 Resp: 264871

Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 17.9 14.1 21.1



#79

Terphenyl-d14

Concen: 51.297 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

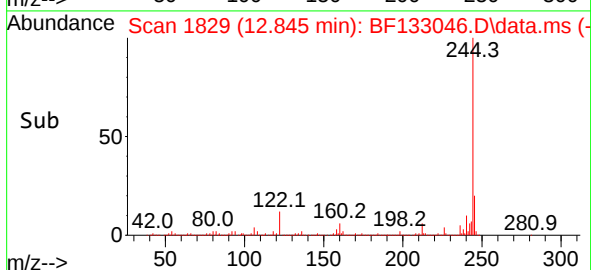
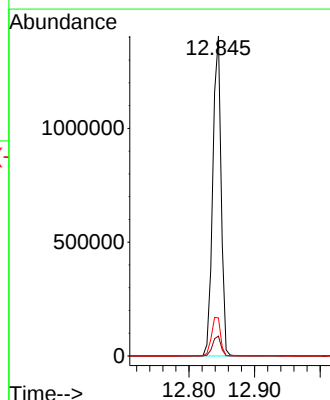
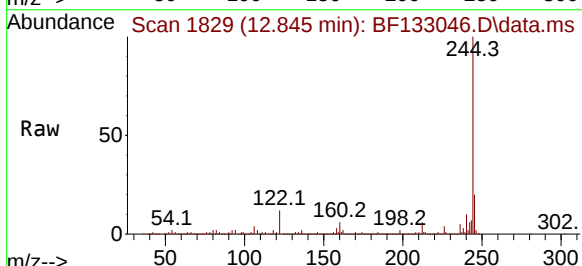
Tgt Ion:244 Resp: 1245065

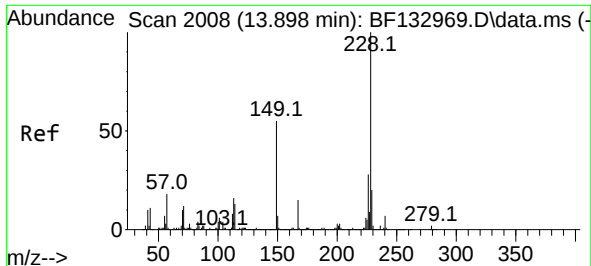
Ion Ratio Lower Upper

244 100

212 6.2 5.1 7.7

122 11.9 8.6 13.0

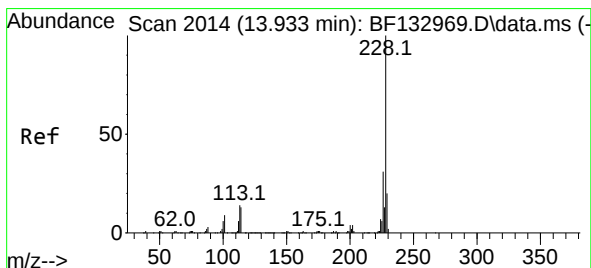
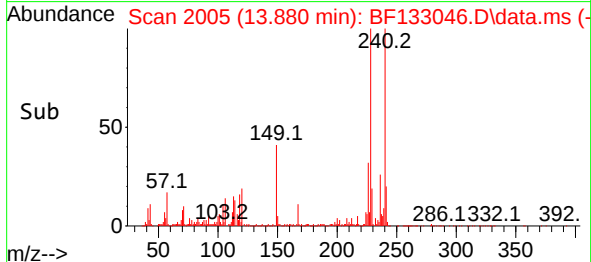
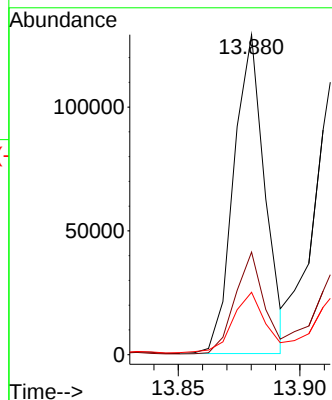
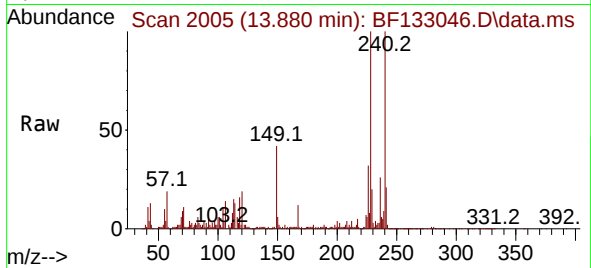




#81
Benzo(a)anthracene
Concen: 3.975 ng
RT: 13.880 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

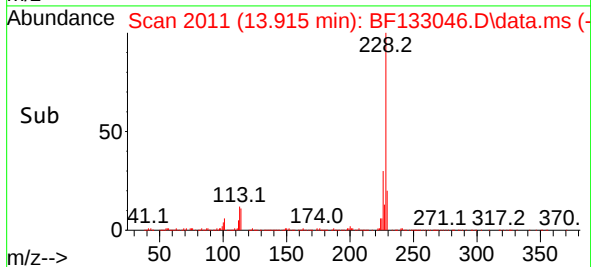
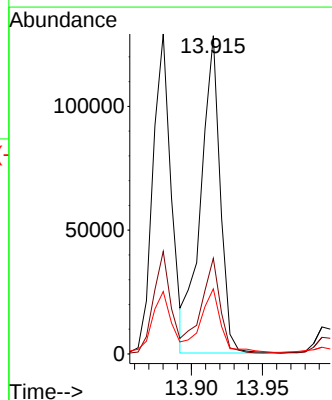
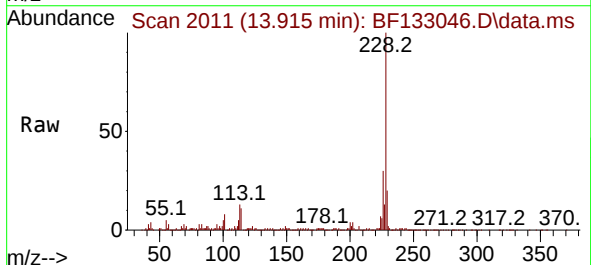
Instrument :
BNA_F
ClientSampleId :
SB-16-0-2-20230413

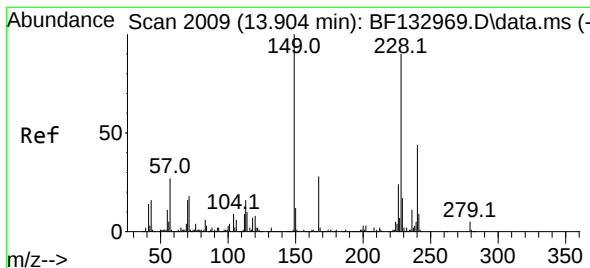
Tgt Ion:228 Resp: 114439
Ion Ratio Lower Upper
228 100
226 32.0 22.2 33.4
229 19.5 16.0 24.0



#83
Chrysene
Concen: 4.232 ng
RT: 13.915 min Scan# 2011
Delta R.T. -0.012 min
Lab File: BF133046.D
Acq: 26 Apr 2023 01:03

Tgt Ion:228 Resp: 121798
Ion Ratio Lower Upper
228 100
226 30.1 24.7 37.1
229 20.5 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.448 ng

RT: 13.886 min Scan# 2006

Delta R.T. -0.006 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

Instrument :

BNA_F

ClientSampleId :

SB-16-0-2-20230413

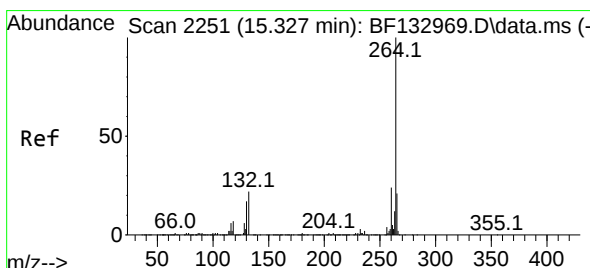
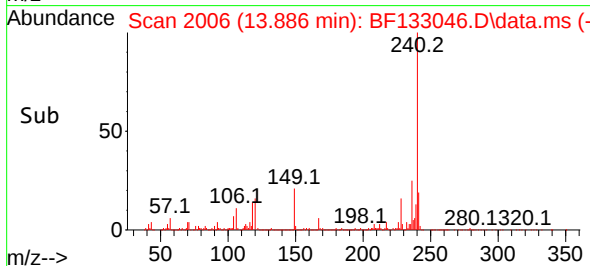
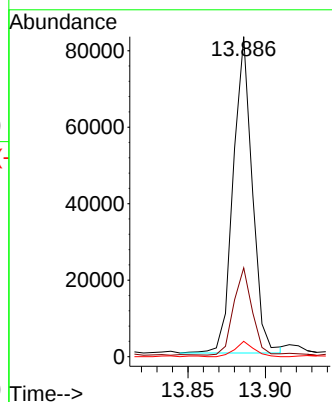
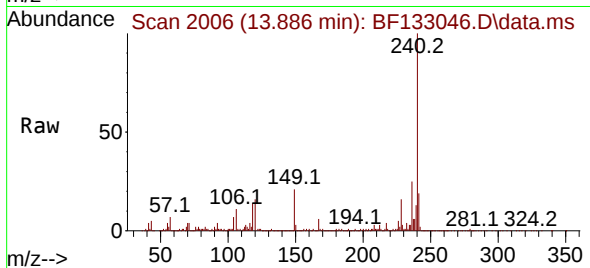
Tgt Ion:149 Resp: 70942

Ion Ratio Lower Upper

149 100

167 27.7 22.5 33.7

279 4.8 4.2 6.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.315 min Scan# 2249

Delta R.T. 0.000 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

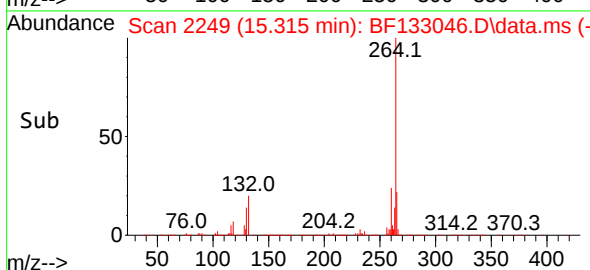
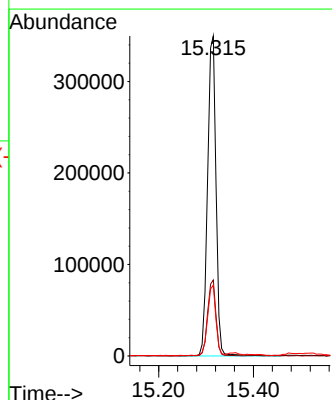
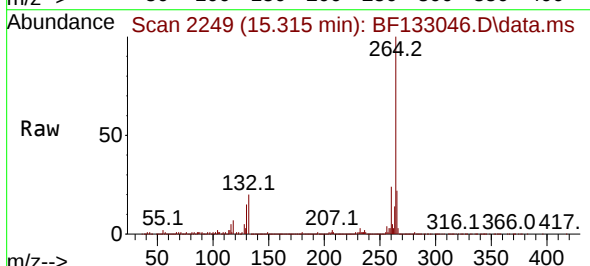
Tgt Ion:264 Resp: 433468

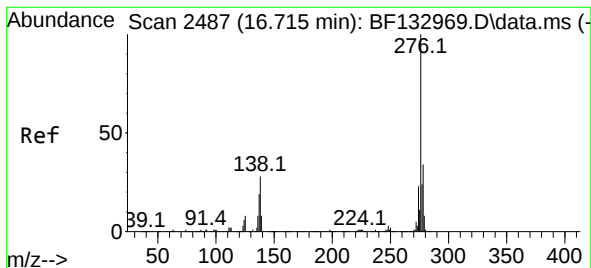
Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 22.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.319 ng

RT: 16.686 min Scan# 2487

Delta R.T. -0.018 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

Instrument :

BNA_F

ClientSampleId :

SB-16-0-2-20230413

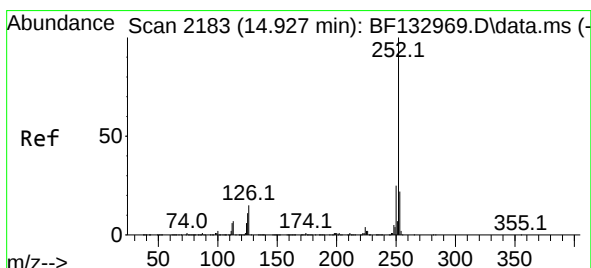
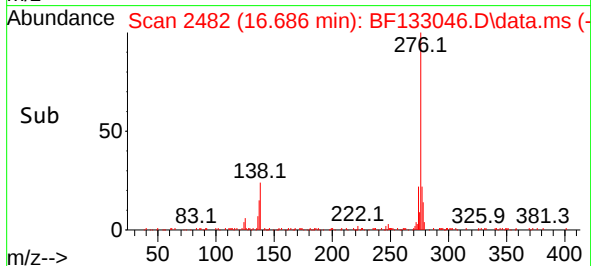
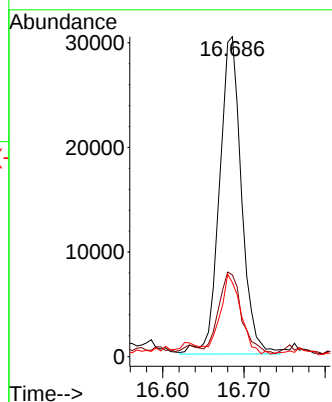
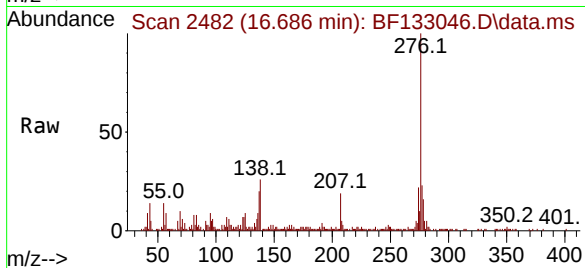
Tgt Ion:276 Resp: 57186

Ion Ratio Lower Upper

276 100

138 26.8 25.5 38.3

277 24.7 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 7.249 ng

RT: 14.904 min Scan# 2179

Delta R.T. -0.012 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

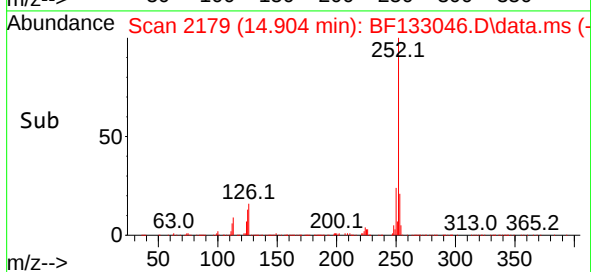
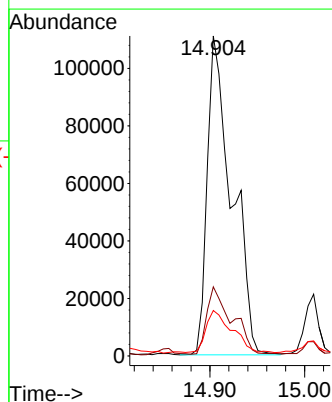
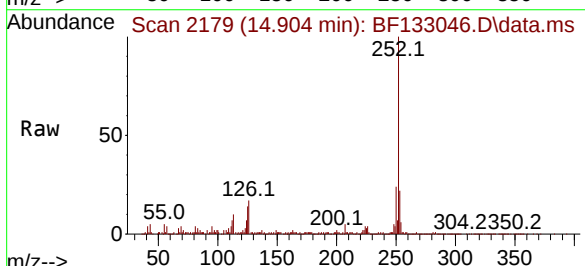
Tgt Ion:252 Resp: 199914

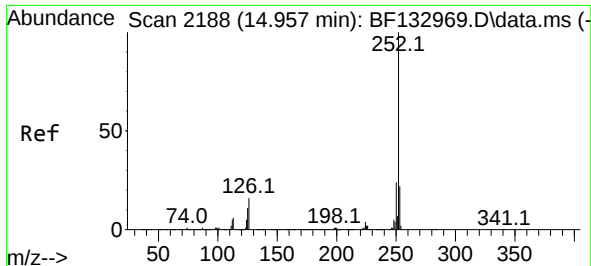
Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

125 14.2 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 7.313 ng

RT: 14.904 min Scan# 2188

Delta R.T. -0.035 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

Instrument :

BNA_F

ClientSampleId :

SB-16-0-2-20230413

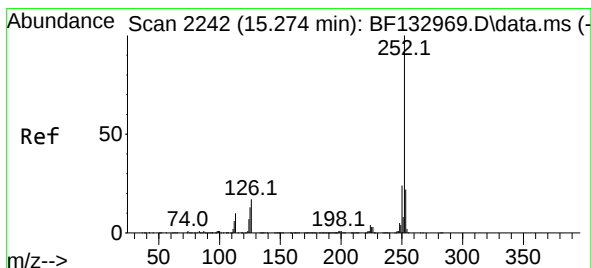
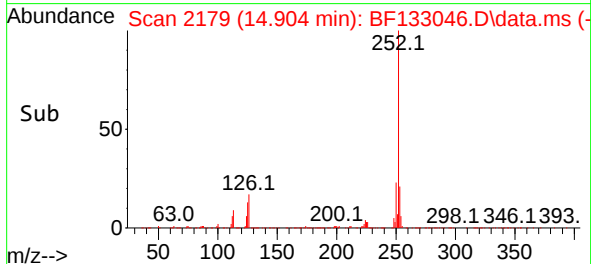
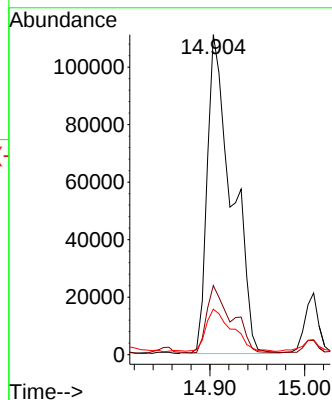
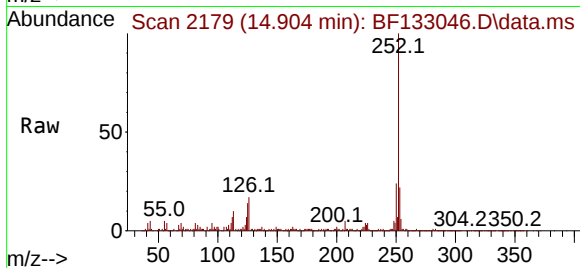
Tgt Ion:252 Resp: 199914

Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 14.2 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 4.048 ng

RT: 15.251 min Scan# 2238

Delta R.T. -0.012 min

Lab File: BF133046.D

Acq: 26 Apr 2023 01:03

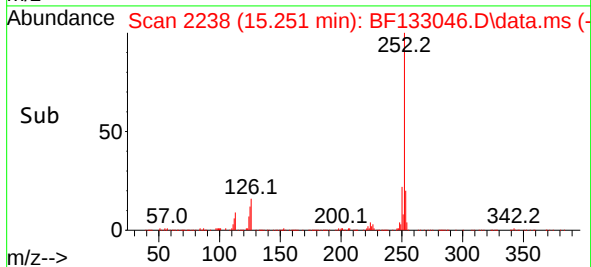
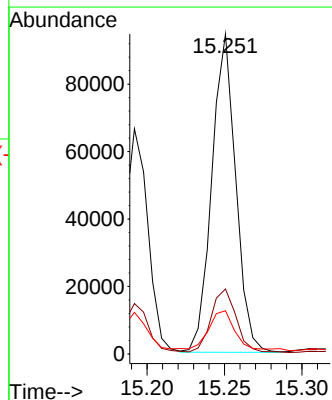
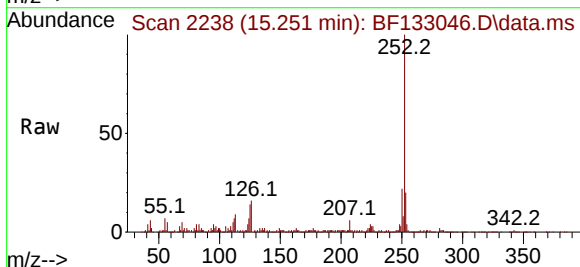
Tgt Ion:252 Resp: 101601

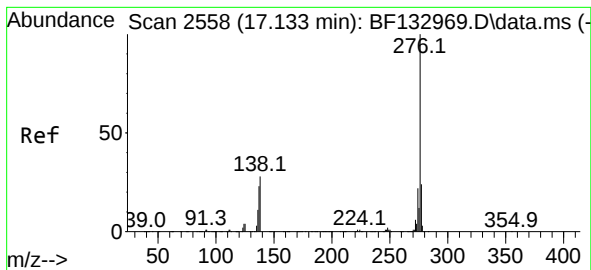
Ion Ratio Lower Upper

252 100

253 20.3 17.7 26.5

125 13.5 10.5 15.7





#92

Benzo(g,h,i)perylene

Concen: 2.514 ng

RT: 17.098 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF133046.D

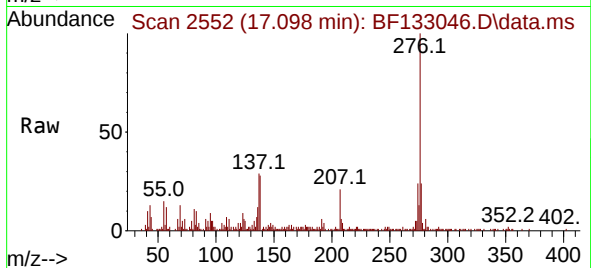
Acq: 26 Apr 2023 01:03

Instrument :

BNA_F

ClientSampleId :

SB-16-0-2-20230413



Tgt Ion:276 Resp: 51047

Ion Ratio Lower Upper

276 100

277 23.7 19.4 29.0

138 28.3 22.7 34.1

