

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
 Data File : BF133374.D
 Acq On : 12 May 2023 17:45
 Operator : CG\JU
 Sample : 02747-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-0-2-20230510

Quant Time: May 12 18:21:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

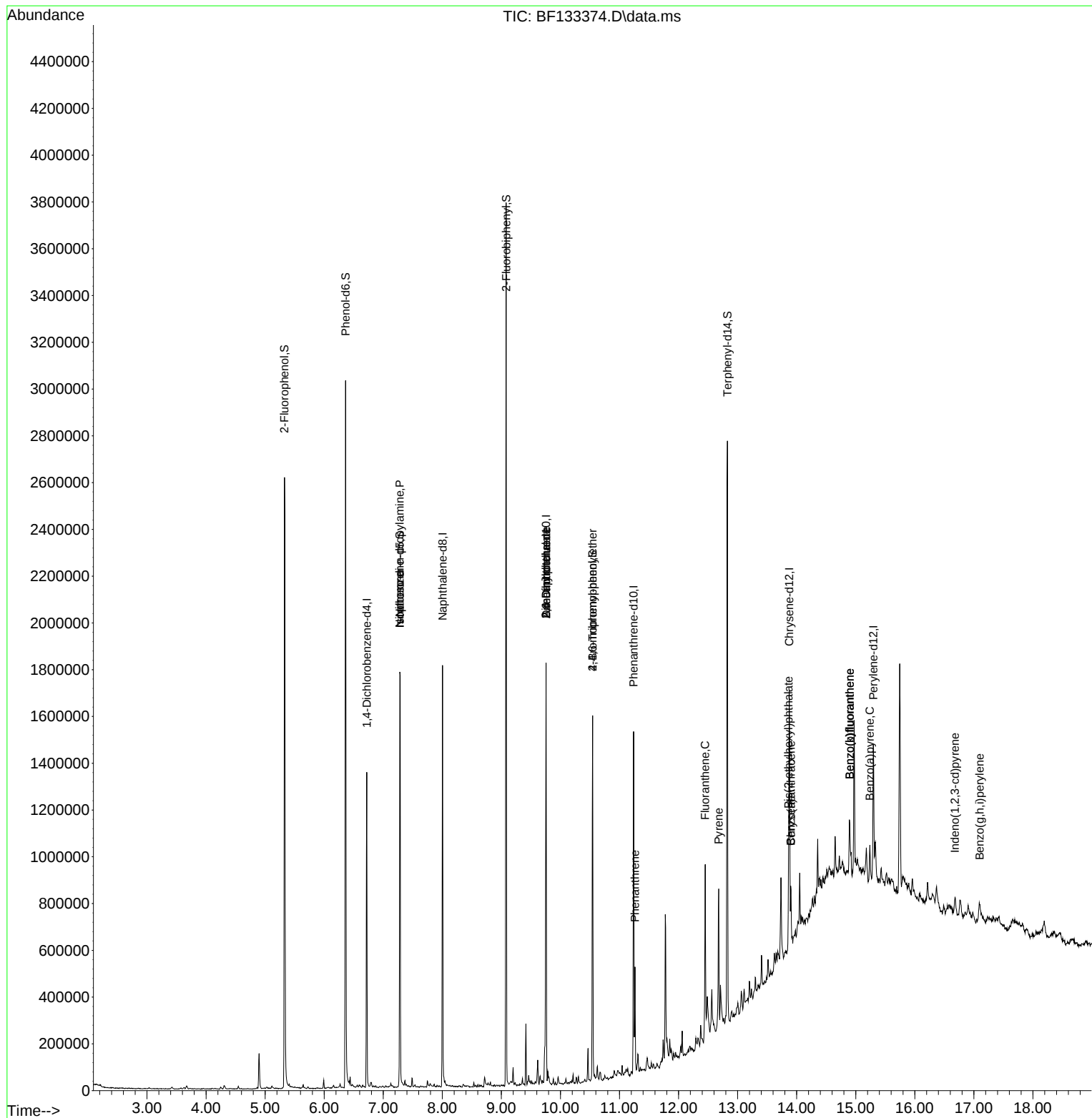
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	184390	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	698029	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	307079	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	482117	20.000	ng	0.00
76) Chrysene-d12	13.874	240	327403	20.000	ng	0.00
86) Perylene-d12	15.298	264	255460	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	813445	66.641	ng	0.00
7) Phenol-d6	6.363	99	969206	63.971	ng	0.00
23) Nitrobenzene-d5	7.281	82	562353	43.485	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	168319	54.503	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	1002809	54.634	ng	0.00
79) Terphenyl-d14	12.827	244	887876	46.771	ng	0.00
Target Compounds						
9) Benzaldehyde	6.269	77	4761	Below Cal	Qvalue #	82
19) n-Nitroso-di-n-propyla...	7.281	70	74096	7.856 ng	#	81
25) Isophorone	7.281	82	563469	22.949 ng	#	63
50) Dimethylphthalate	9.757	163	62212	2.905 ng	#	1
51) 2,6-Dinitrotoluene	9.757	165	39732	8.244 ng	#	26
57) 2,4-Dinitrotoluene	9.757	165	39732	6.465 ng	#	24
67) 4-Bromophenyl-phenylether	10.545	248	11633	2.225 ng	#	1
71) Phenanthrene	11.263	178	141186	5.449 ng		100
75) Fluoranthene	12.451	202	258621	9.945 ng		97
78) Pyrene	12.680	202	246510	8.783 ng		99
81) Benzo(a)anthracene	13.904	228	107975	4.796 ng		93
83) Chrysene	13.904	228	107975	4.797 ng		97
84) Bis(2-ethylhexyl)phtha...	13.863	149	46988	3.767 ng		94
87) Indeno(1,2,3-cd)pyrene	16.680	276	50656	3.486 ng		94
88) Benzo(b)fluoranthene	14.898	252	151559	9.326 ng	#	89
89) Benzo(k)fluoranthene	14.898	252	151559	9.407 ng	#	90
90) Benzo(a)pyrene	15.239	252	67416	4.557 ng	#	87
92) Benzo(g,h,i)perylene	17.098	276	50267	4.201 ng	#	92

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

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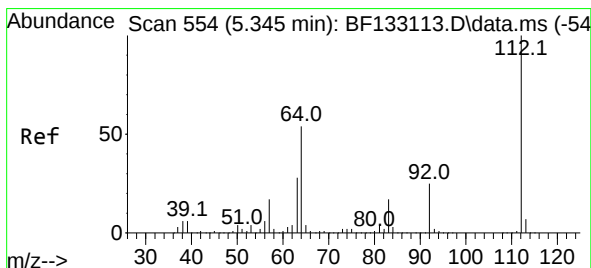
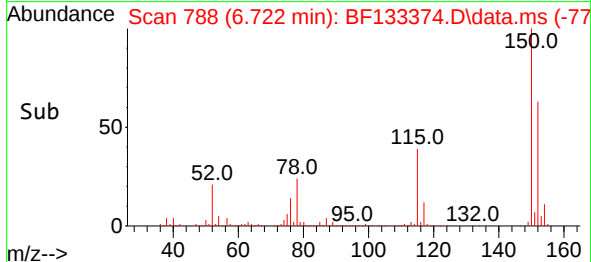
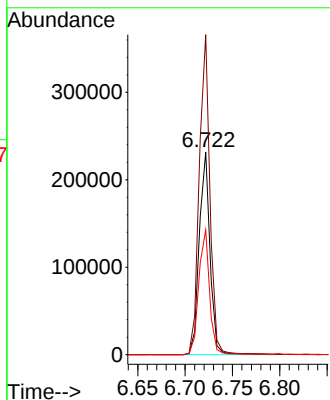
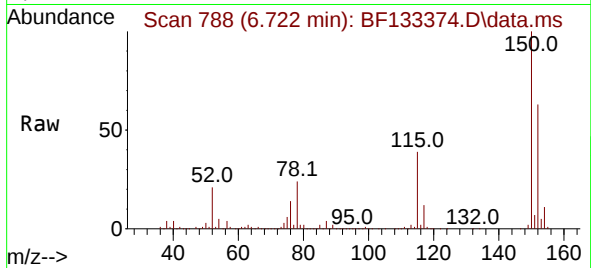




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.722 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF133374.D
 Acq: 12 May 2023 17:45

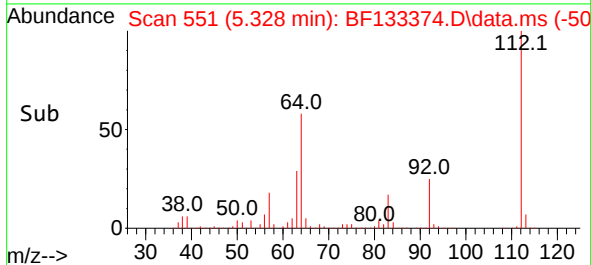
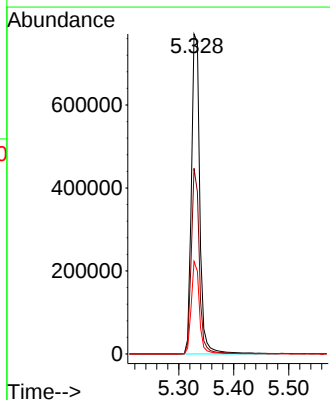
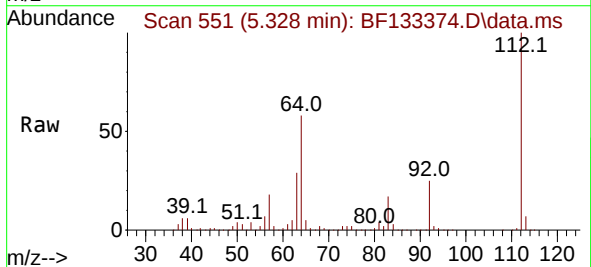
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 ClientSampleId :
 SB-03-0-2-20230510

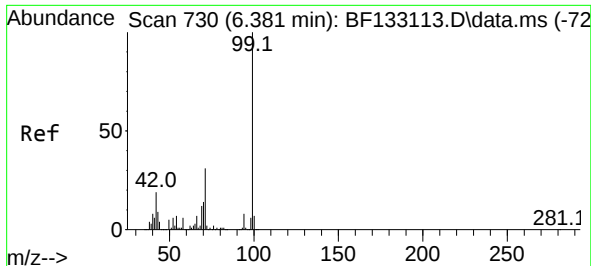
Tgt Ion:152 Resp: 184390
 Ion Ratio Lower Upper
 152 100
 150 157.8 124.8 187.2
 115 61.6 49.9 74.9



#5
 2-Fluorophenol
 Concen: 66.641 ng
 RT: 5.328 min Scan# 551
 Delta R.T. -0.000 min
 Lab File: BF133374.D
 Acq: 12 May 2023 17:45

Tgt Ion:112 Resp: 813445
 Ion Ratio Lower Upper
 112 100
 64 58.0 46.8 70.2
 63 28.9 23.8 35.8

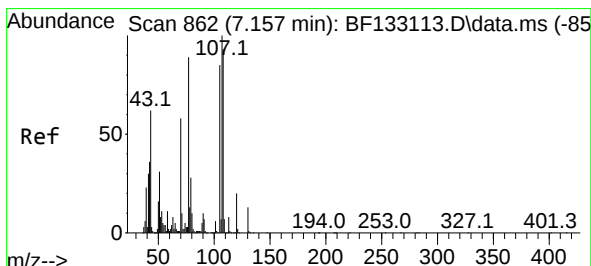
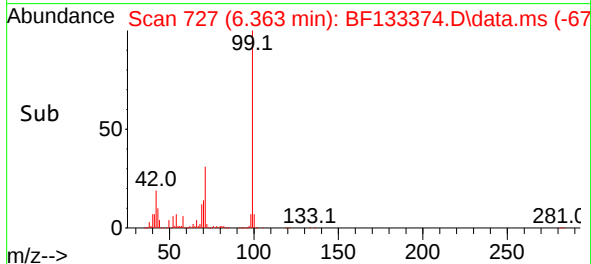
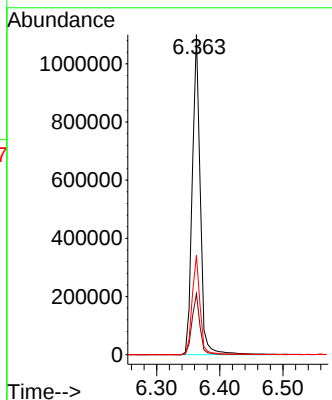
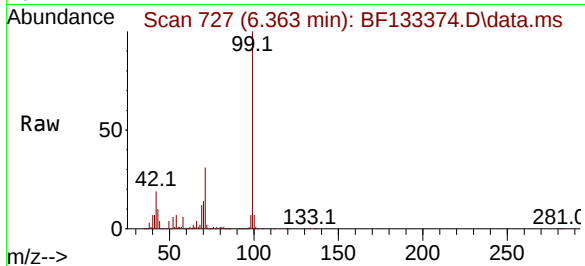




#7
Phenol-d6
Concen: 63.971 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

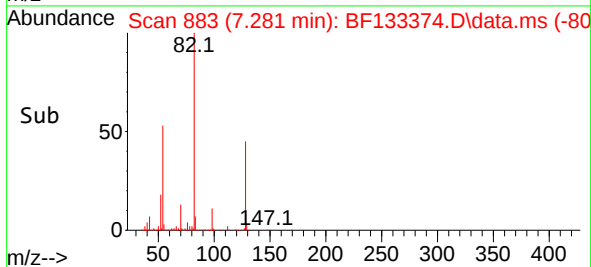
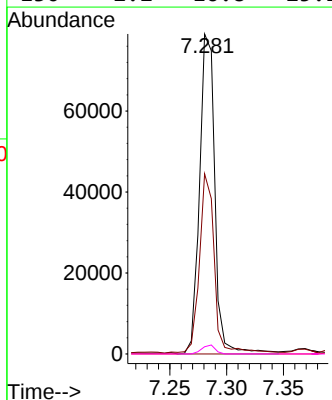
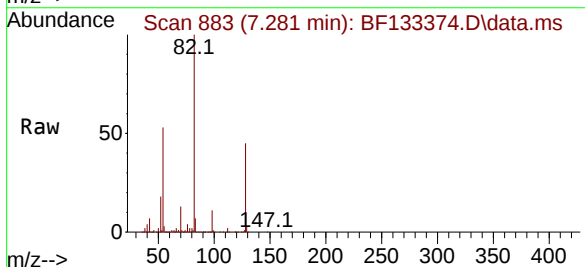
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2-20230510

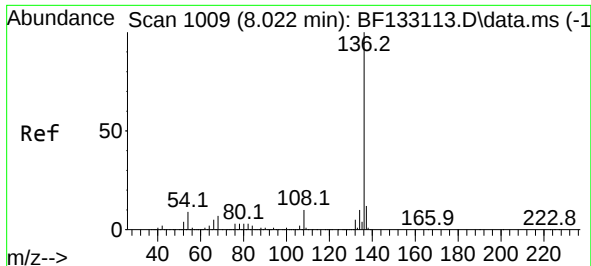
Tgt Ion: 99 Resp: 969206
Ion Ratio Lower Upper
99 100
42 19.0 16.3 24.5
71 31.0 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 7.856 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

Tgt Ion: 70 Resp: 74096
Ion Ratio Lower Upper
70 100
42 56.3 51.8 77.6
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#



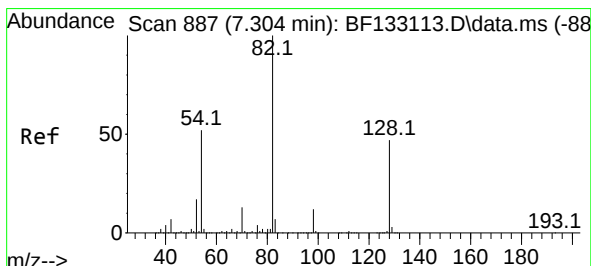
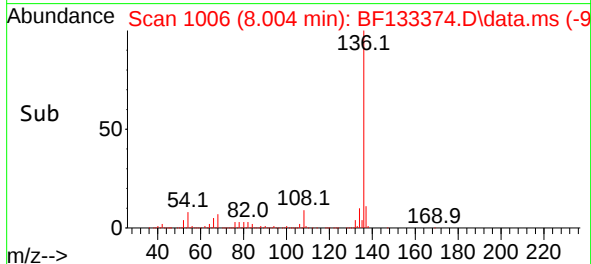
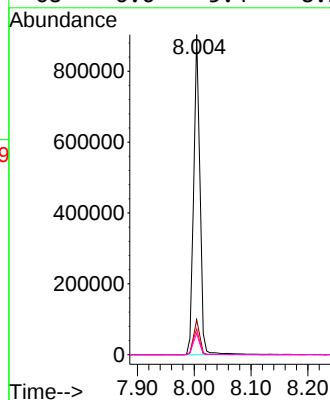
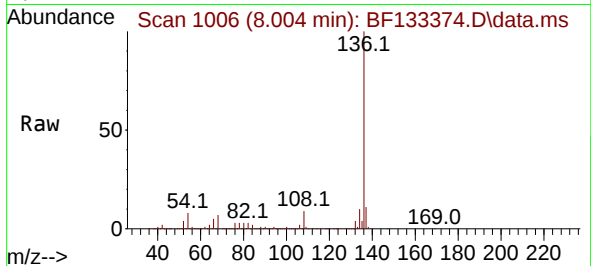


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

Instrument :
BNA_F
ClientSampleId :
SB-03-0-2-20230510

Tgt Ion:136 Resp: 698029

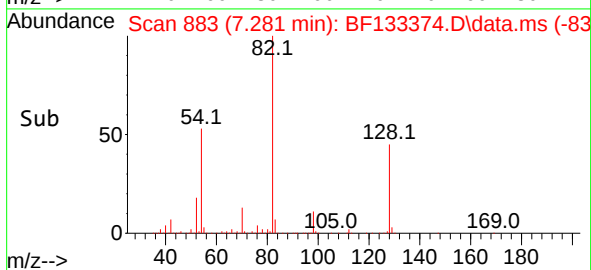
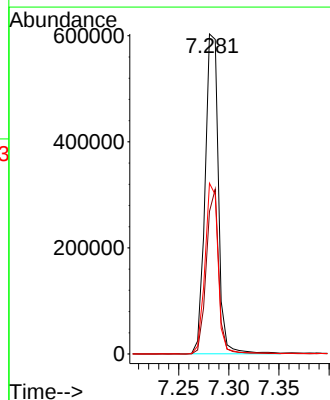
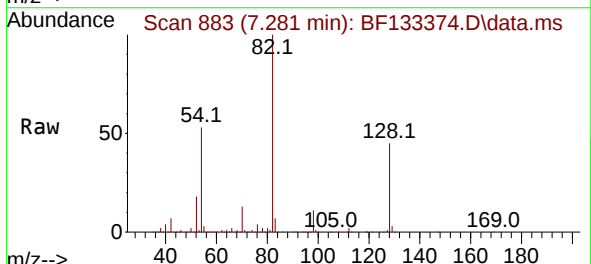
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.0	7.0	10.4
68	6.6	5.4	8.2

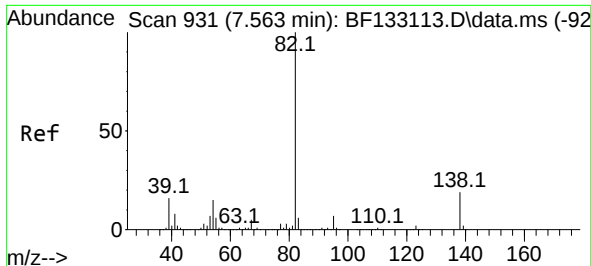


#23
Nitrobenzene-d5
Concen: 43.485 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

Tgt Ion: 82 Resp: 562353

Ion	Ratio	Lower	Upper
82	100		
128	44.6	37.7	56.5
54	53.3	43.0	64.4

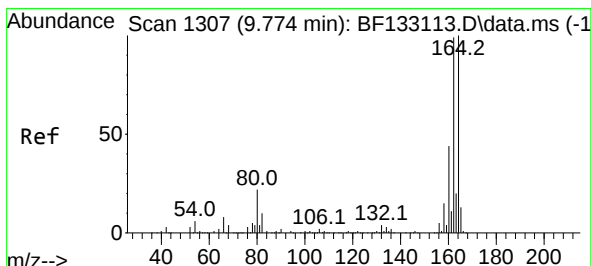
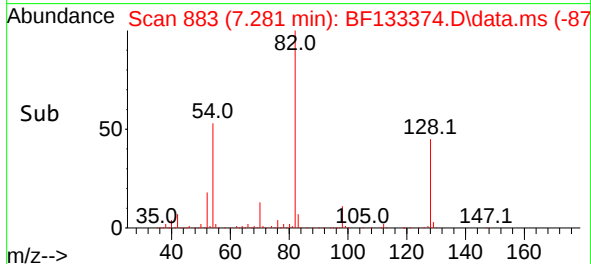
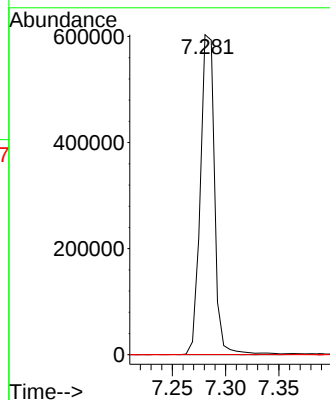
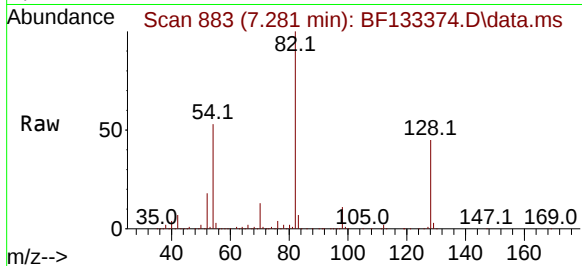




#25
Isophorone
Concen: 22.949 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

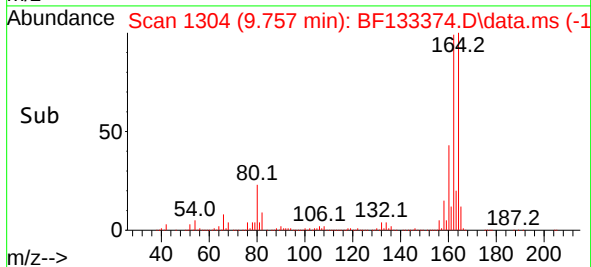
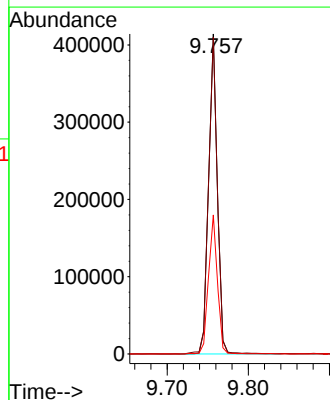
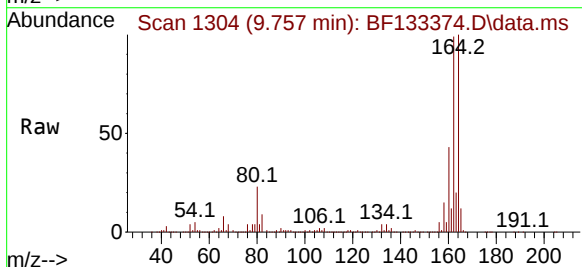
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2-20230510

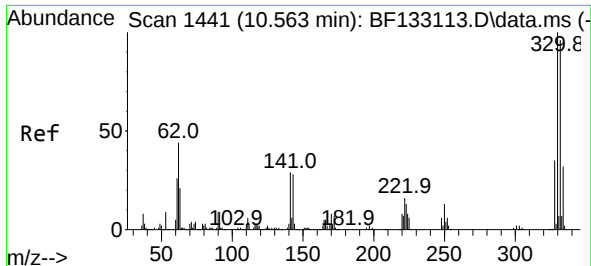
Tgt Ion: 82 Resp: 563469
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.000 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

Tgt Ion:164 Resp: 307079
Ion Ratio Lower Upper
164 100
162 99.1 78.7 118.1
160 43.4 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 54.503 ng

RT: 10.545 min Scan# 1438

Delta R.T. -0.006 min

Lab File: BF133374.D

Acq: 12 May 2023 17:45

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2-20230510

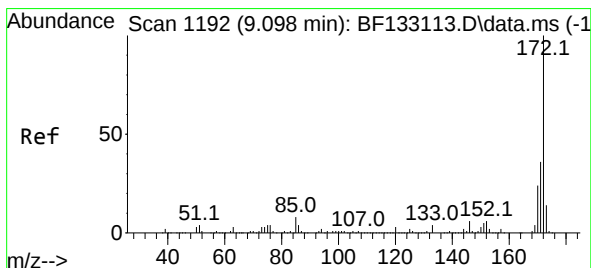
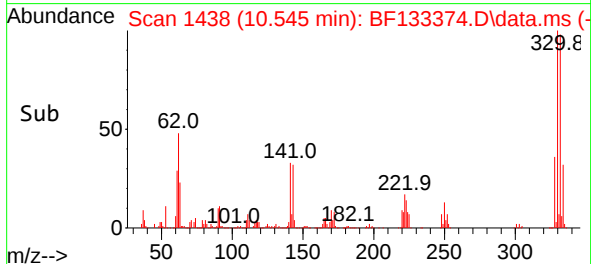
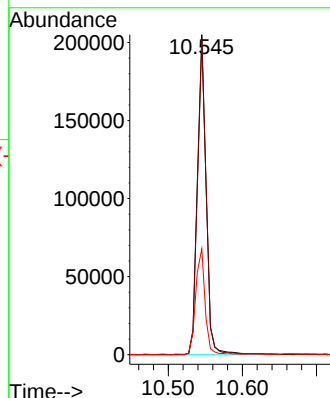
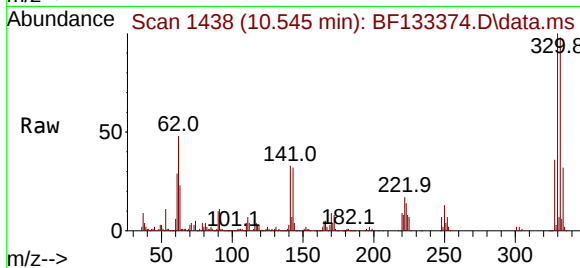
Tgt Ion:330 Resp: 168319

Ion Ratio Lower Upper

330 100

332 98.0 77.1 115.7

141 35.5 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 54.634 ng

RT: 9.080 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF133374.D

Acq: 12 May 2023 17:45

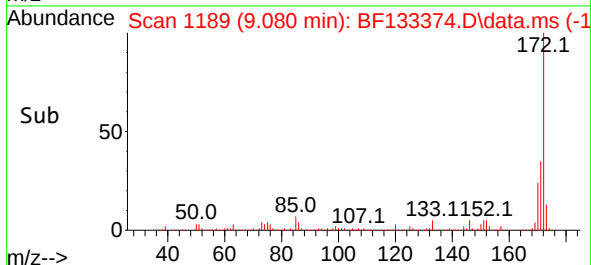
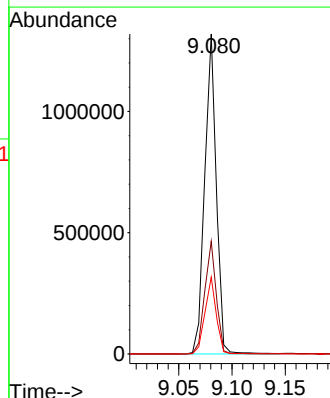
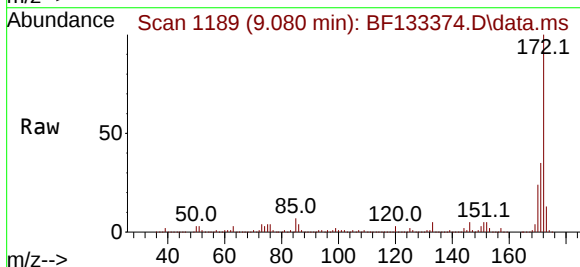
Tgt Ion:172 Resp: 1002809

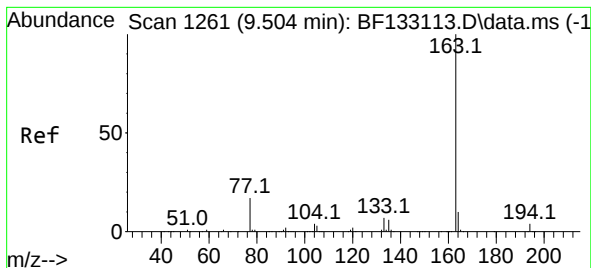
Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 24.0 19.4 29.2





#50

Dimethylphthalate

Concen: 2.905 ng

RT: 9.757 min Scan# 1

Delta R.T. 0.271 min

Lab File: BF133374.D

Acq: 12 May 2023 17:45

Instrument :

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ClientSampleId :

SB-03-0-2-20230510

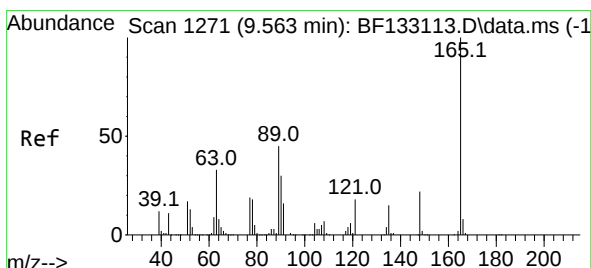
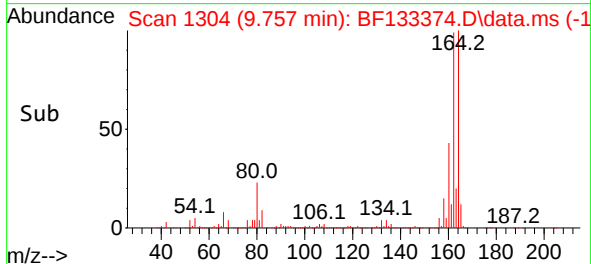
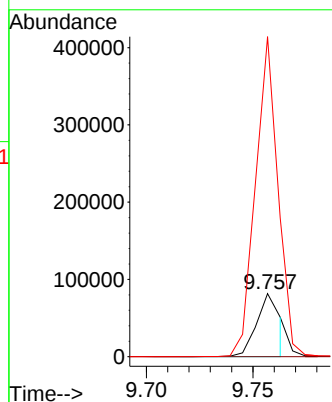
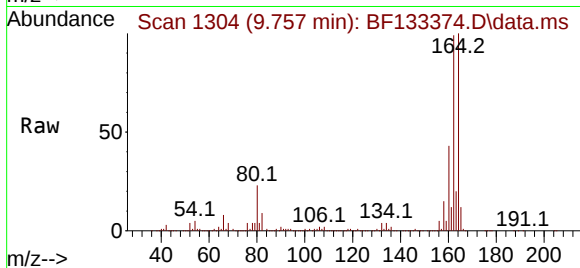
Tgt Ion:163 Resp: 62212

Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 507.8 8.5 12.7#



#51

2,6-Dinitrotoluene

Concen: 8.244 ng

RT: 9.757 min Scan# 1304

Delta R.T. 0.212 min

Lab File: BF133374.D

Acq: 12 May 2023 17:45

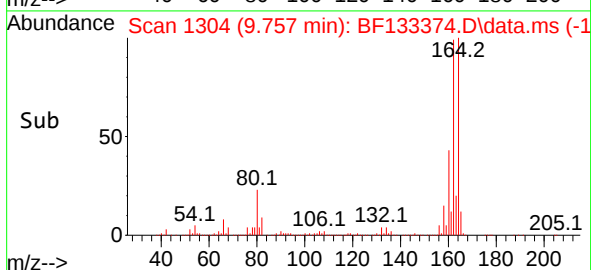
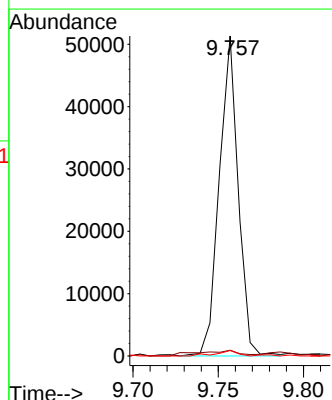
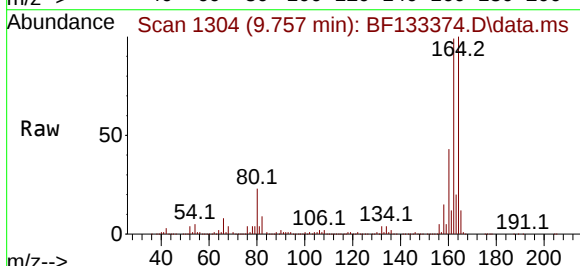
Tgt Ion:165 Resp: 39732

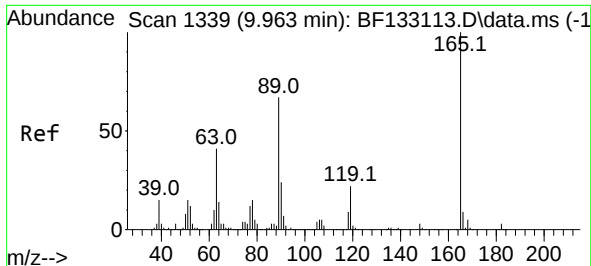
Ion Ratio Lower Upper

165 100

63 1.8 45.9 68.9#

89 1.7 44.0 66.0#

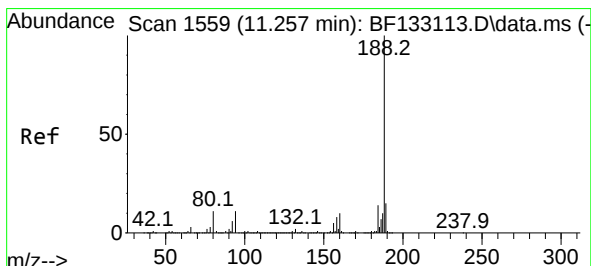
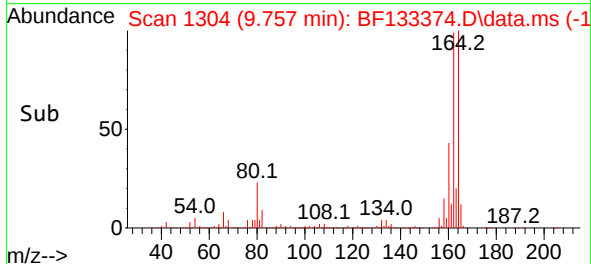
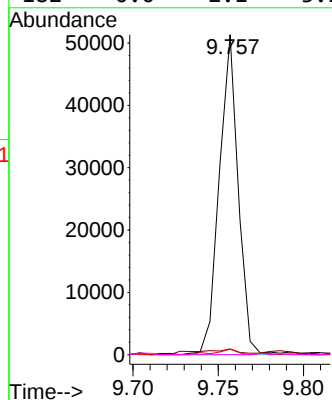
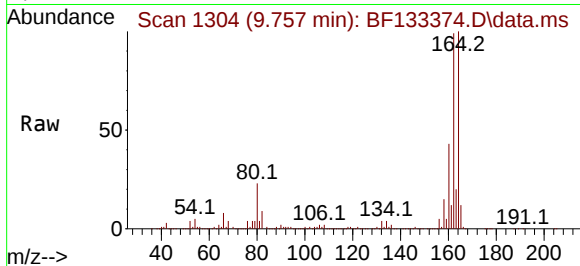




#57
2,4-Dinitrotoluene
Concen: 6.465 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

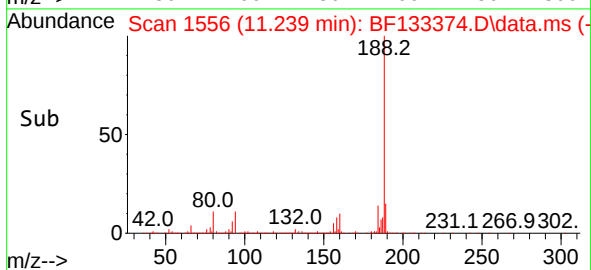
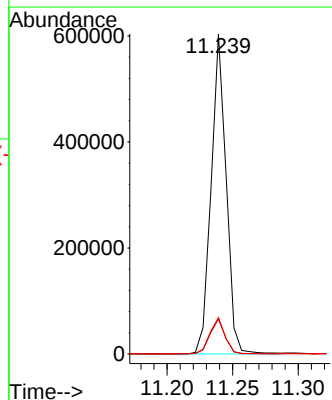
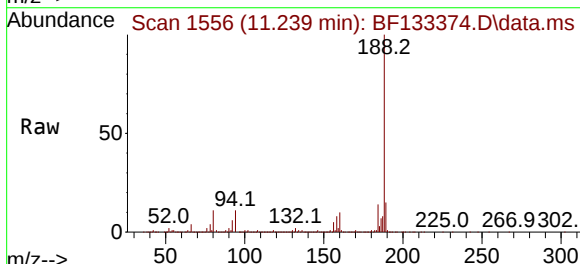
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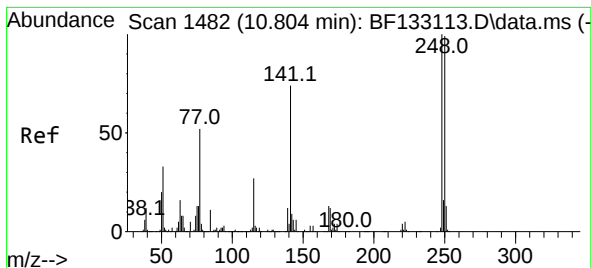
Tgt Ion:165 Resp: 39732
Ion Ratio Lower Upper
165 100
63 1.8 37.7 56.5#
89 1.7 57.0 85.4#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

Tgt Ion:188 Resp: 482117
Ion Ratio Lower Upper
188 100
94 11.0 9.7 14.5
80 11.4 10.4 15.6

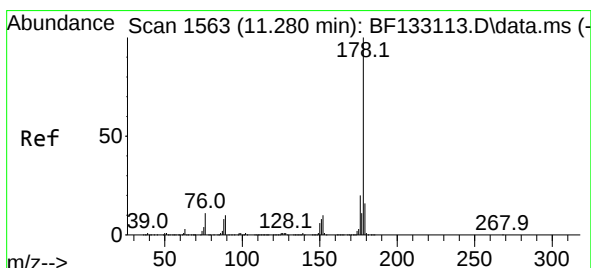
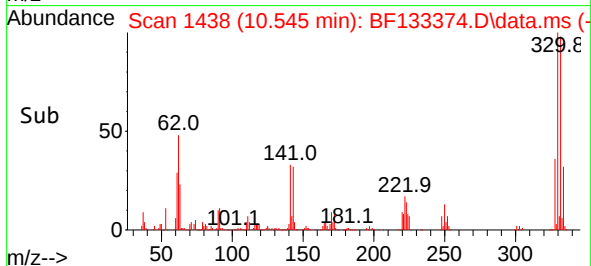
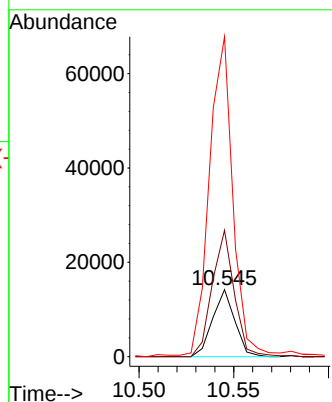
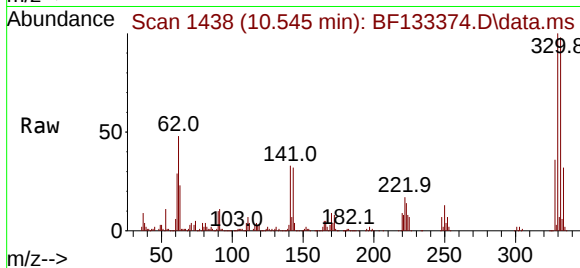




#67
4-Bromophenyl-phenylether
Concen: 2.225 ng
RT: 10.545 min Scan# 1482
Delta R.T. -0.241 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

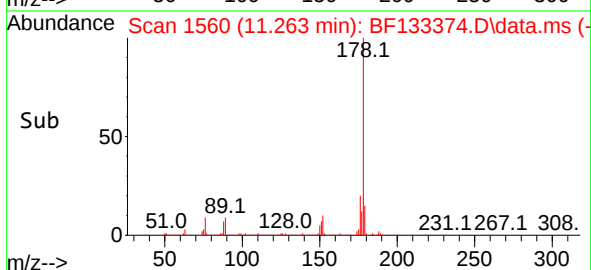
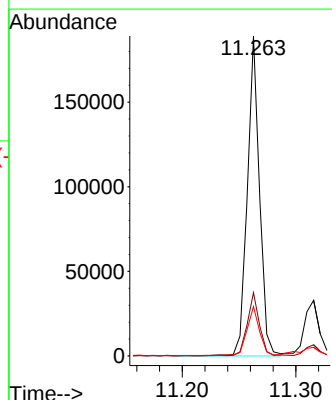
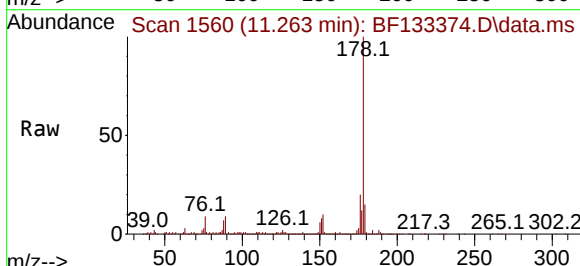
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2-20230510

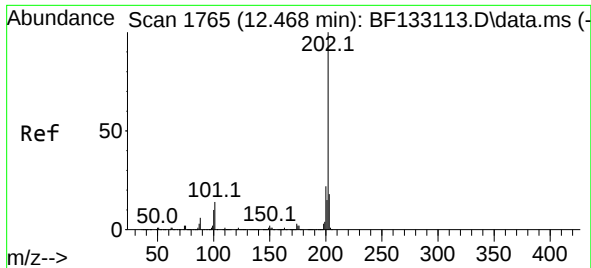
Tgt Ion:248 Resp: 11633
Ion Ratio Lower Upper
248 100
250 188.4 78.7 118.1#
141 477.2 56.3 84.5#



#71
Phenanthrene
Concen: 5.449 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

Tgt Ion:178 Resp: 141186
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.4 12.5 18.7

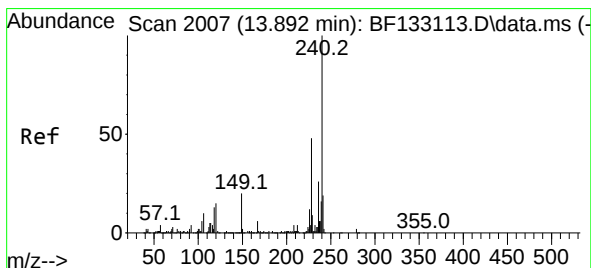
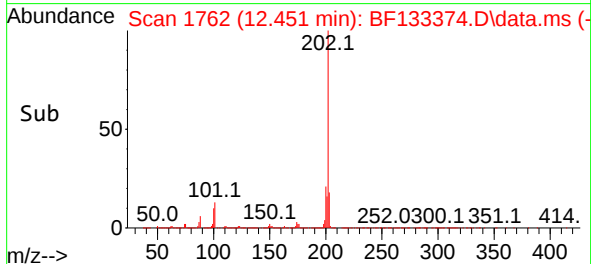
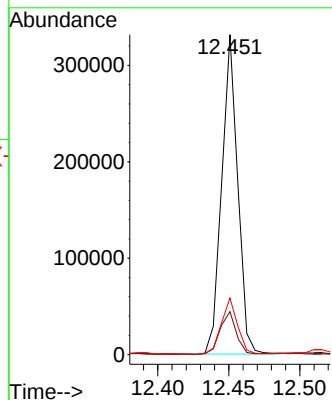
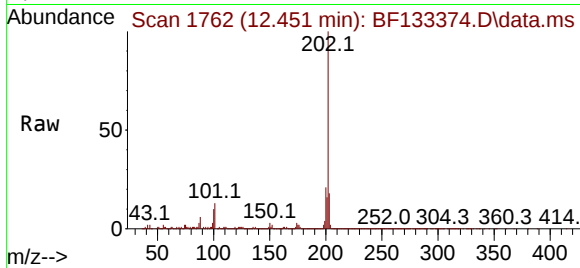




#75
Fluoranthene
Concen: 9.945 ng
RT: 12.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

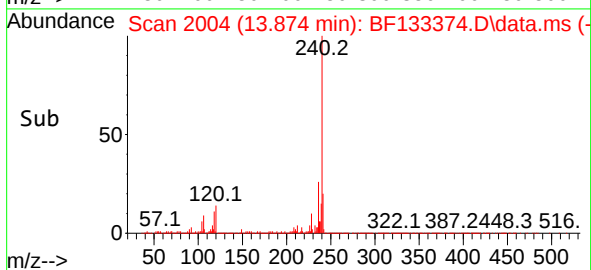
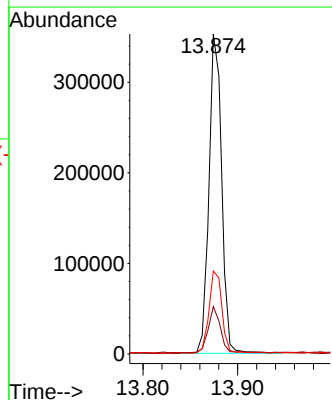
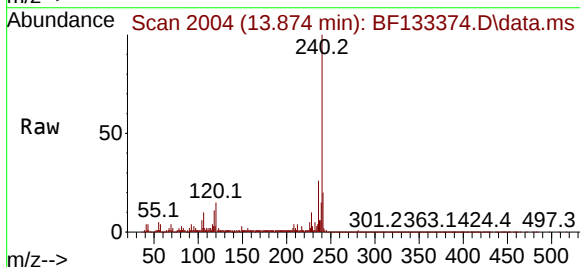
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2-20230510

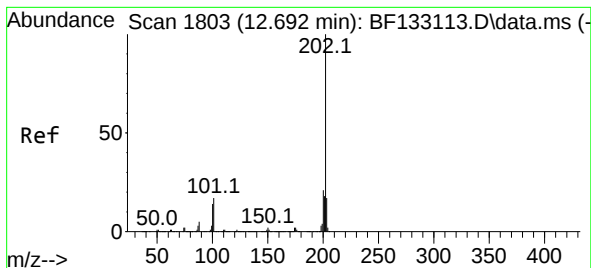
Tgt Ion:202 Resp: 258621
Ion Ratio Lower Upper
202 100
101 13.4 0.0 35.3
203 17.7 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

Tgt Ion:240 Resp: 327403
Ion Ratio Lower Upper
240 100
120 14.8 10.5 15.7
236 26.0 21.5 32.3





#78

Pyrene

Concen: 8.783 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.000 min

Lab File: BF133374.D

Acq: 12 May 2023 17:45

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2-20230510

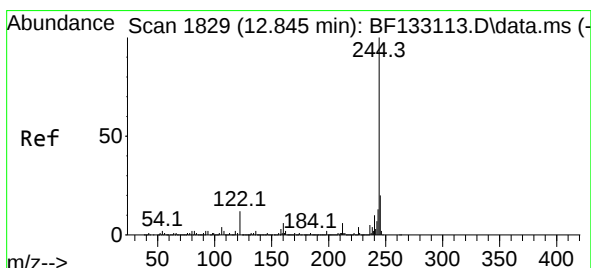
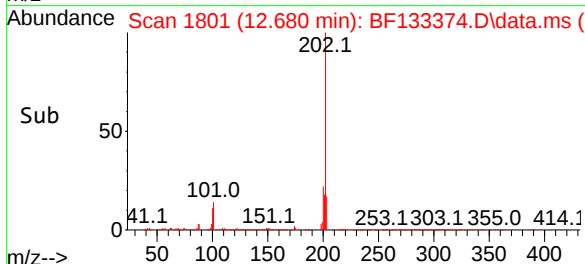
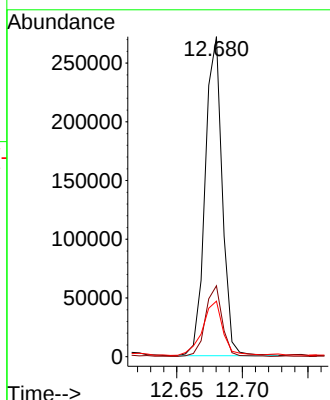
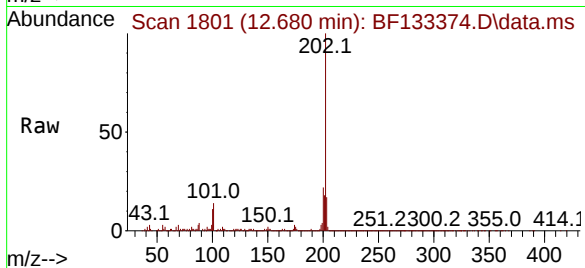
Tgt Ion:202 Resp: 246510

Ion Ratio Lower Upper

202 100

200 22.1 17.1 25.7

203 17.3 14.1 21.1



#79

Terphenyl-d14

Concen: 46.771 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF133374.D

Acq: 12 May 2023 17:45

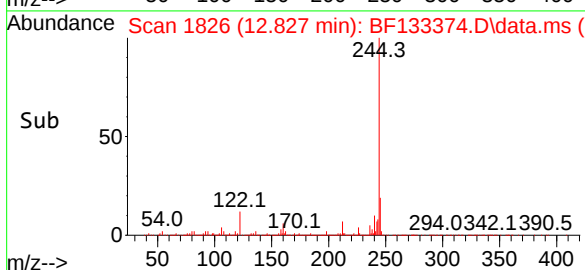
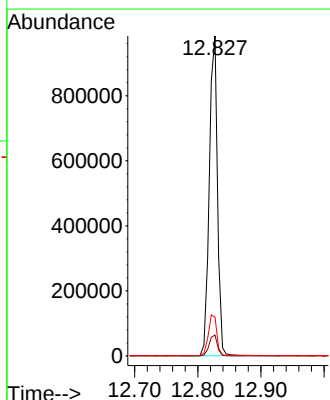
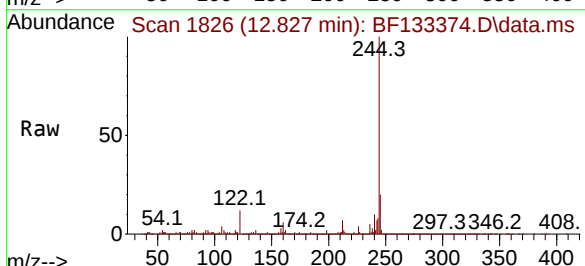
Tgt Ion:244 Resp: 887876

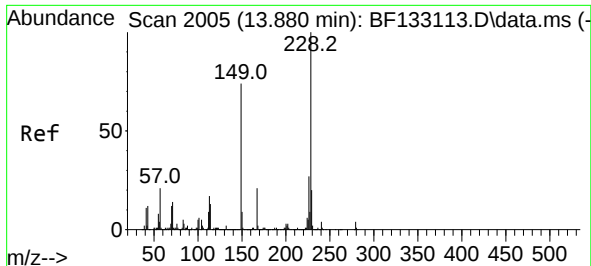
Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 12.1 8.6 13.0

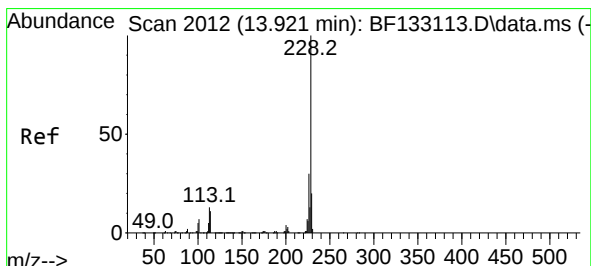
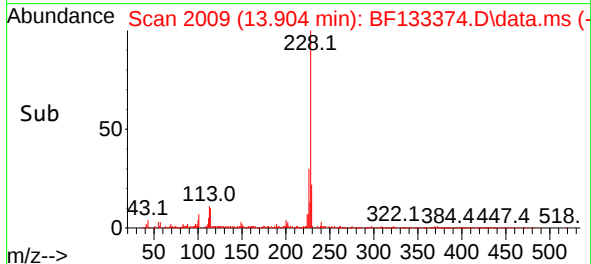
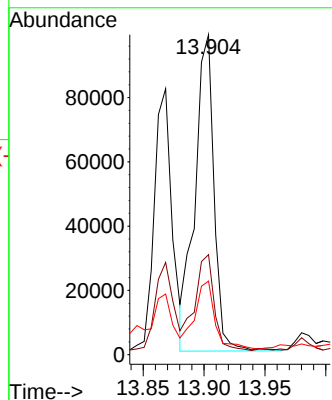
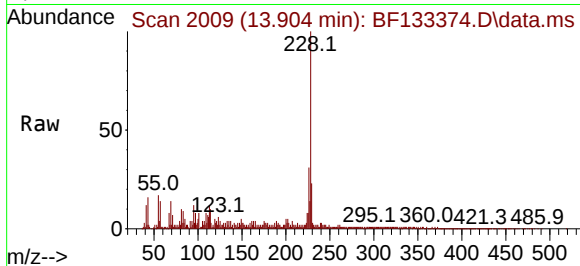




#81
Benzo(a)anthracene
Concen: 4.796 ng
RT: 13.904 min Scan# 2009
Delta R.T. 0.035 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

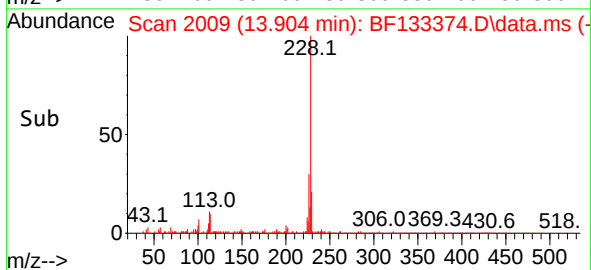
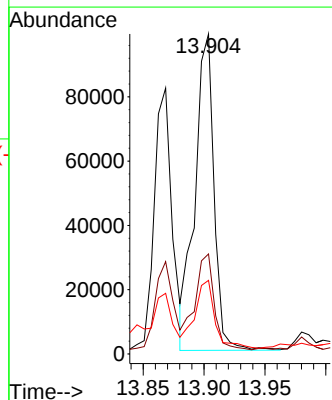
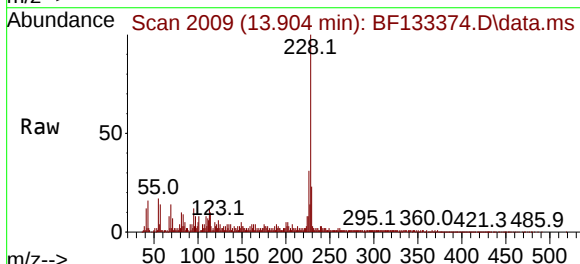
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2-20230510

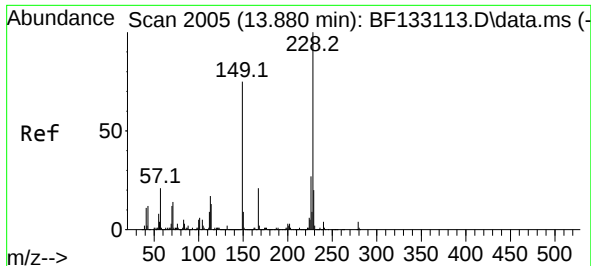
Tgt Ion:228 Resp: 107975
Ion Ratio Lower Upper
228 100
226 31.3 22.2 33.4
229 23.0 16.0 24.0



#83
Chrysene
Concen: 4.797 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

Tgt Ion:228 Resp: 107975
Ion Ratio Lower Upper
228 100
226 31.3 24.7 37.1
229 23.0 16.1 24.1

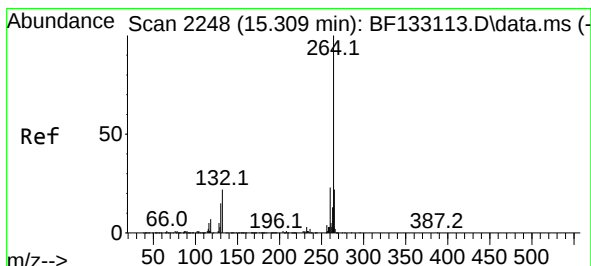
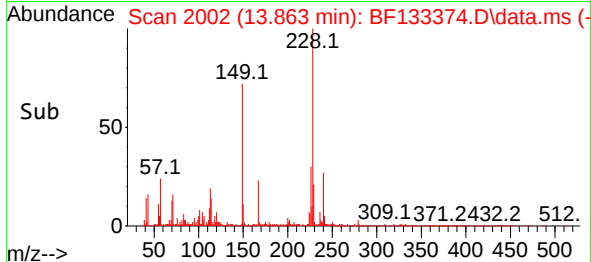
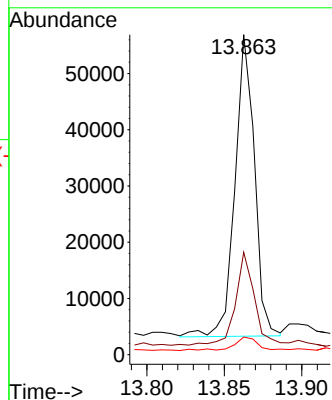
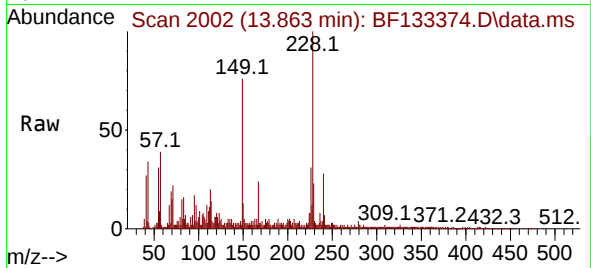




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.767 ng
RT: 13.863 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

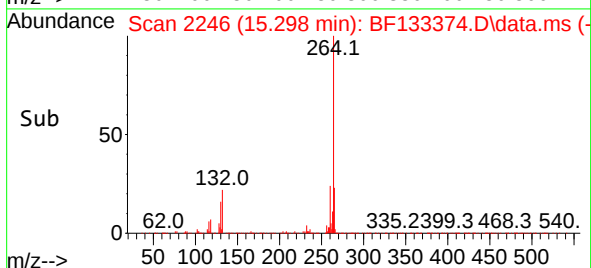
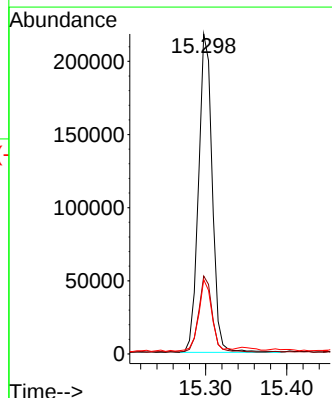
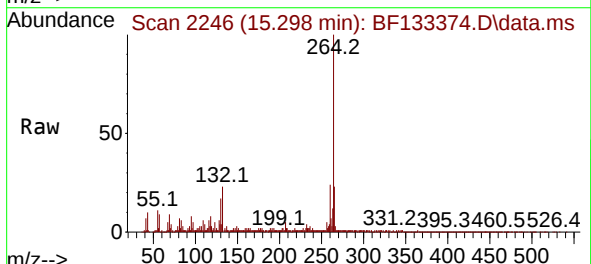
Instrument :
BNA_F
ClientSampleId :
SB-03-0-2-20230510

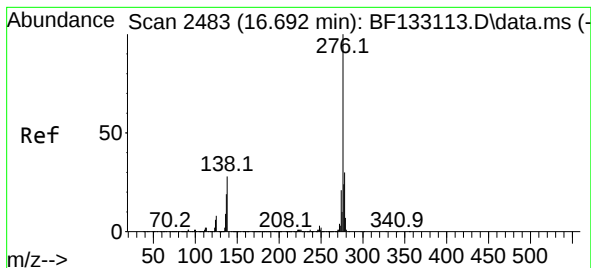
Tgt Ion:149 Resp: 46988
Ion Ratio Lower Upper
149 100
167 32.0 22.5 33.7
279 5.5 4.2 6.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.298 min Scan# 2246
Delta R.T. 0.006 min
Lab File: BF133374.D
Acq: 12 May 2023 17:45

Tgt Ion:264 Resp: 255460
Ion Ratio Lower Upper
264 100
260 24.4 18.8 28.2
265 23.2 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.486 ng

RT: 16.680 min Scan# 2483

Delta R.T. 0.000 min

Lab File: BF133374.D

Acq: 12 May 2023 17:45

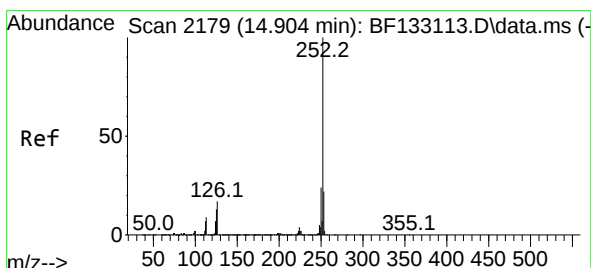
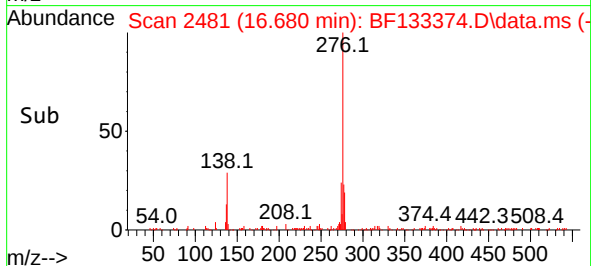
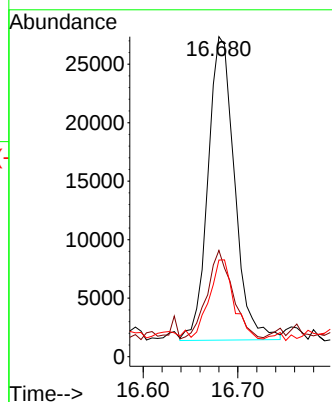
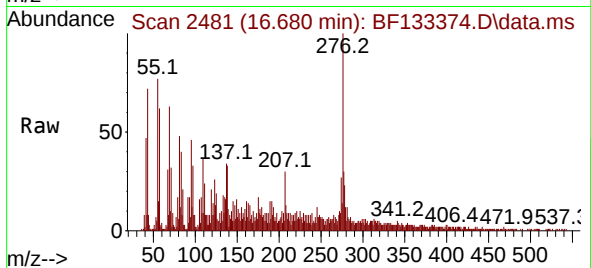
Instrument :

BNA_F

ClientSampleId :

SB-03-0-2-20230510

Tgt Ion:	276	Resp:	50656
Ion Ratio	Lower	Upper	
276	100		
138	26.9	25.5	38.3
277	24.1	20.4	30.6



#88

Benzo(b)fluoranthene

Concen: 9.326 ng

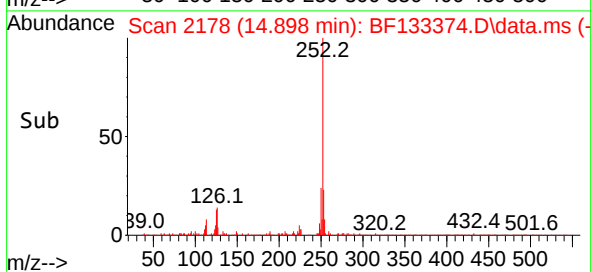
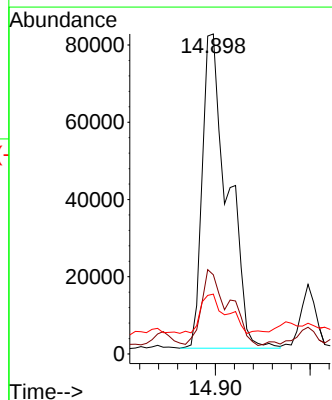
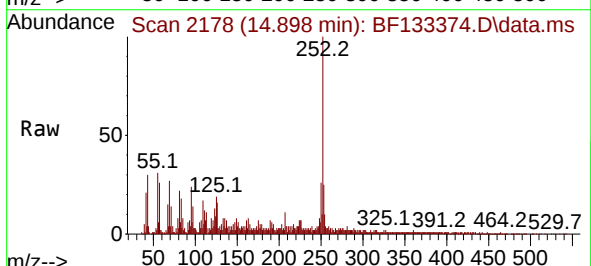
RT: 14.898 min Scan# 2178

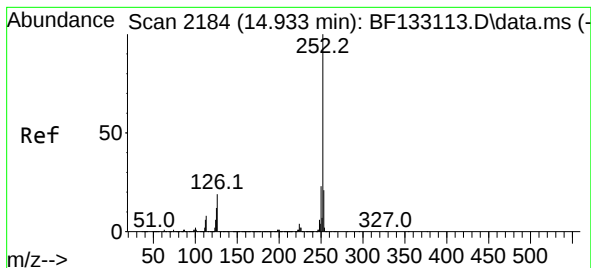
Delta R.T. 0.006 min

Lab File: BF133374.D

Acq: 12 May 2023 17:45

Tgt Ion:	252	Resp:	151559
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.6	26.4
125	18.7	8.9	13.3





#89

Benzo(k)fluoranthene

Concen: 9.407 ng

RT: 14.898 min Scan# 2184

Delta R.T. -0.024 min

Lab File: BF133374.D

Acq: 12 May 2023 17:45

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2-20230510

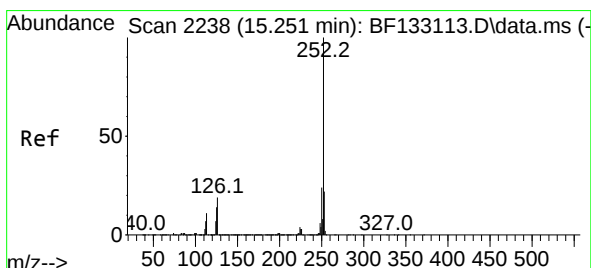
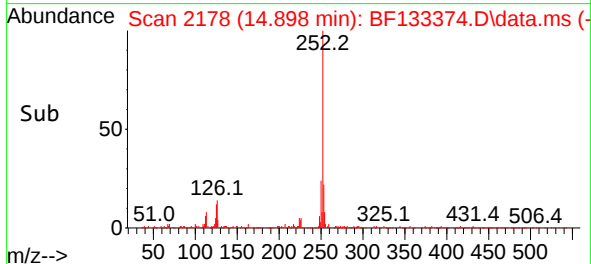
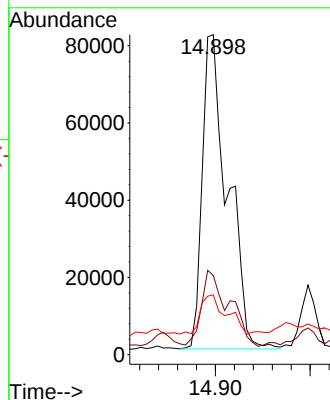
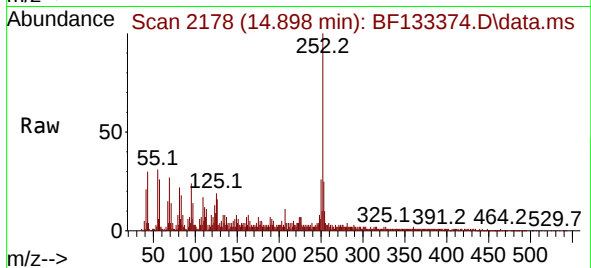
Tgt Ion:252 Resp: 151559

Ion Ratio Lower Upper

252 100

253 24.8 17.7 26.5

125 18.7 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 4.557 ng

RT: 15.239 min Scan# 2236

Delta R.T. 0.000 min

Lab File: BF133374.D

Acq: 12 May 2023 17:45

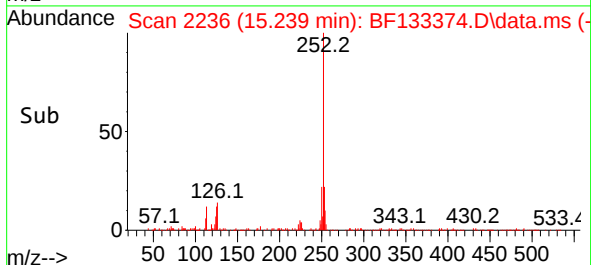
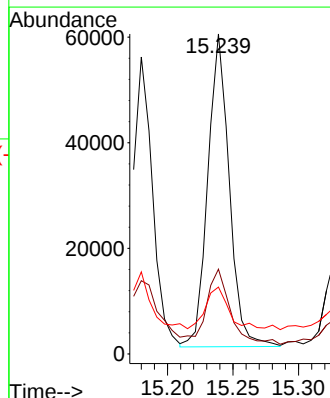
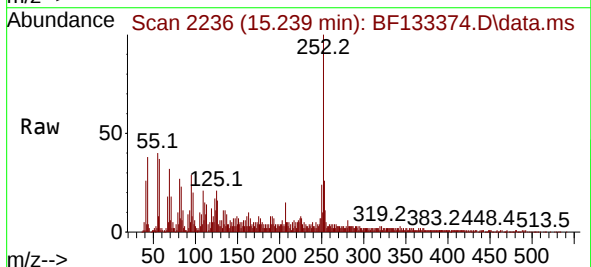
Tgt Ion:252 Resp: 67416

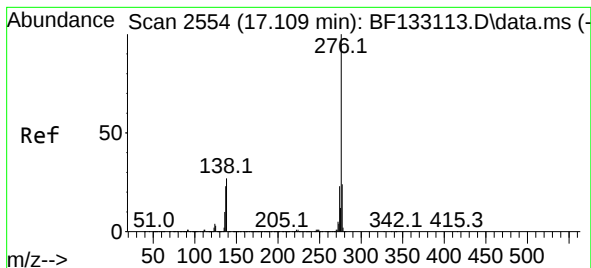
Ion Ratio Lower Upper

252 100

253 26.5 17.7 26.5

125 20.9 10.5 15.7#





#92

Benzo(g,h,i)perylene

Concen: 4.201 ng

RT: 17.098 min Scan# 2

Delta R.T. 0.006 min

Lab File: BF133374.D

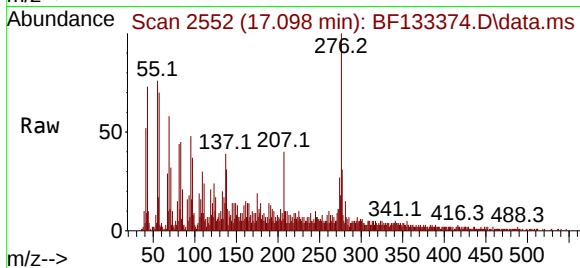
Acq: 12 May 2023 17:45

Instrument :

BNA_F

ClientSampleId :

SB-03-0-2-20230510



Tgt Ion:276 Resp: 50267

Ion Ratio Lower Upper

276 100

277 30.5 19.4 29.0#

138 30.7 22.7 34.1

