

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133249.D
 Acq On : 05 May 2023 00:42
 Operator : CG\JU
 Sample : 02588-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZONE-A-0-3-05022023

Quant Time: May 05 05:34:38 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 04 12:22:53 2023
 Response via : Initial Calibration

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

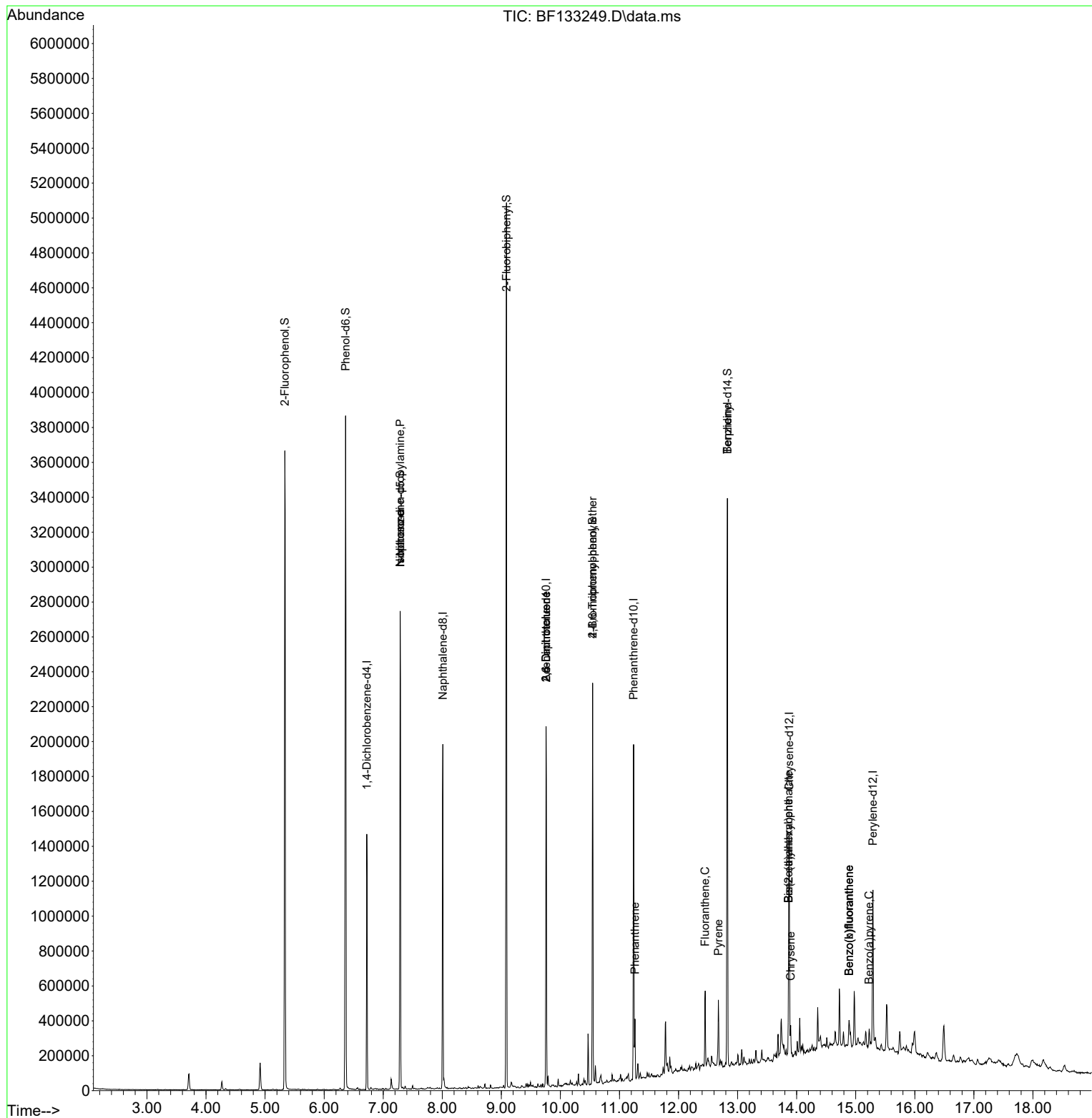
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	202998	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	808963	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	404841	20.000	ng	-0.01
64) Phenanthrene-d10	11.239	188	631839	20.000	ng	0.00
76) Chrysene-d12	13.874	240	376814	20.000	ng	-0.01
86) Perylene-d12	15.292	264	375591	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1097008	81.634	ng	0.00
7) Phenol-d6	6.363	99	1398669	83.855	ng	-0.01
23) Nitrobenzene-d5	7.287	82	854272	57.000	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	245532	60.306	ng	-0.01
45) 2-Fluorobiphenyl	9.086	172	1409021	58.228	ng	0.00
79) Terphenyl-d14	12.827	244	1102810	50.475	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.269	77	1554	Below Cal	#	80
19) n-Nitroso-di-n-propyla...	7.287	70	115787	11.151	ng	# 77
25) Isophorone	7.287	82	852408	29.956	ng	# 62
51) 2,6-Dinitrotoluene	9.757	165	52888	8.324	ng	# 25
57) 2,4-Dinitrotoluene	9.757	165	52888	6.527	ng	# 23
67) 4-Bromophenyl-phenylether	10.545	248	15497	2.261	ng	# 1
71) Phenanthrene	11.263	178	108813	3.204	ng	97
75) Fluoranthene	12.451	202	164696	4.832	ng	94
77) Benzidine	12.827	184	13613	2.136	ng	96
78) Pyrene	12.675	202	140662	4.355	ng	100
81) Benzo(a)anthracene	13.863	228	58218	2.247	ng	94
83) Chrysene	13.898	228	65295	2.520	ng	98
84) Bis(2-ethylhexyl)phtha...	13.863	149	36841	2.566	ng	# 99
88) Benzo(b)fluoranthene	14.886	252	102980	4.310	ng	# 96
89) Benzo(k)fluoranthene	14.886	252	102980	4.348	ng	# 96
90) Benzo(a)pyrene	15.227	252	47771	2.196	ng	# 92

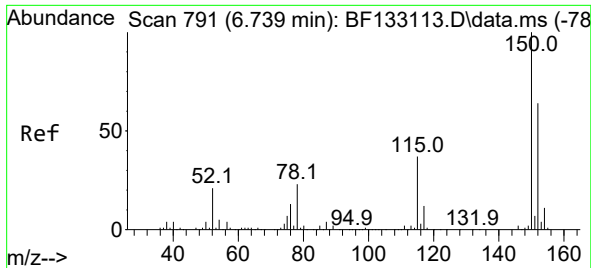
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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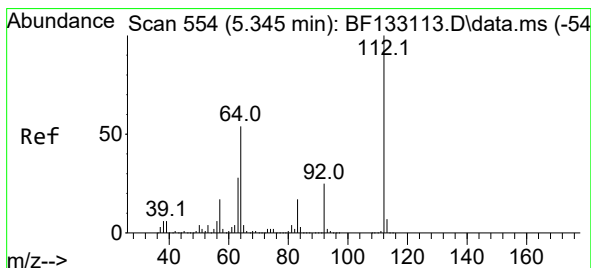
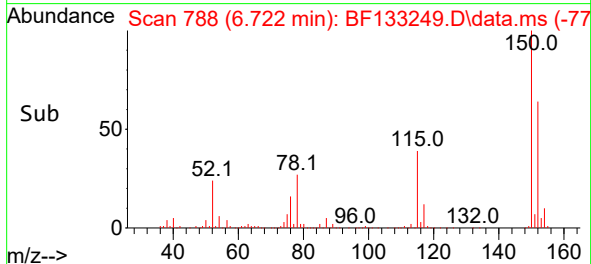
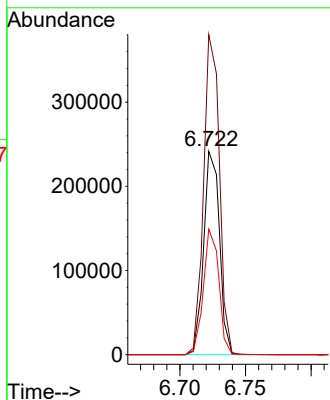
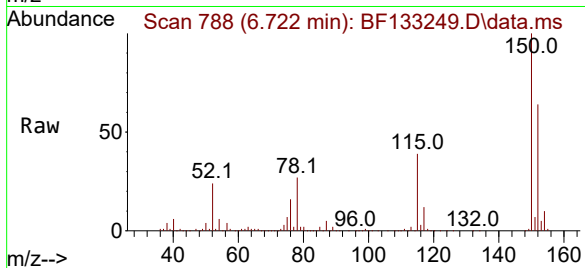




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

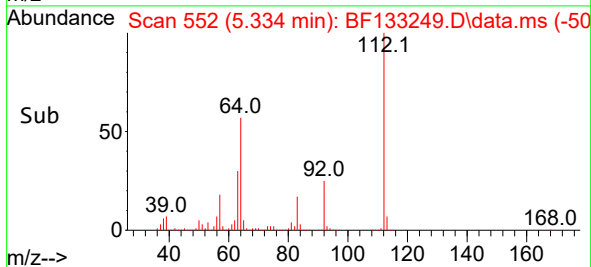
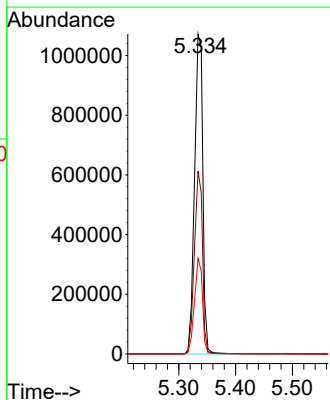
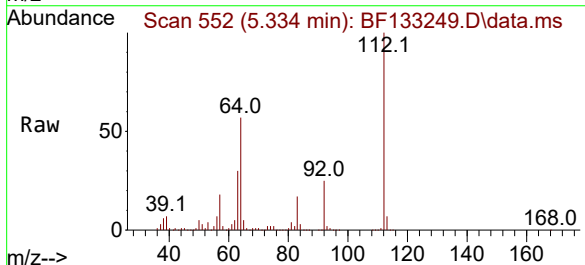
Instrument :
BNA_F
ClientSampleId :
ZONE-A-0-3-05022023

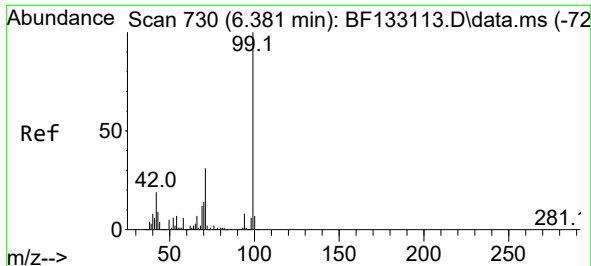
Tgt Ion:152 Resp: 202998
Ion Ratio Lower Upper
152 100
150 157.4 124.8 187.2
115 61.7 49.9 74.9



#5
2-Fluorophenol
Concen: 81.634 ng
RT: 5.334 min Scan# 552
Delta R.T. 0.000 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

Tgt Ion:112 Resp: 1097008
Ion Ratio Lower Upper
112 100
64 57.1 46.8 70.2
63 29.8 23.8 35.8

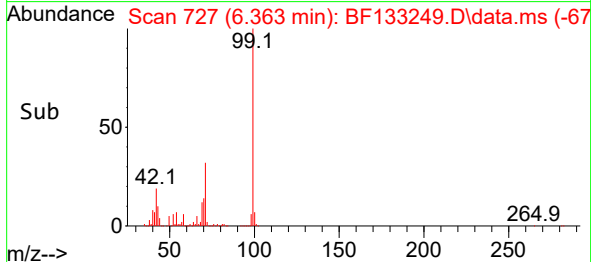
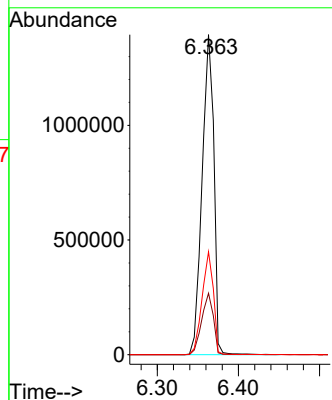
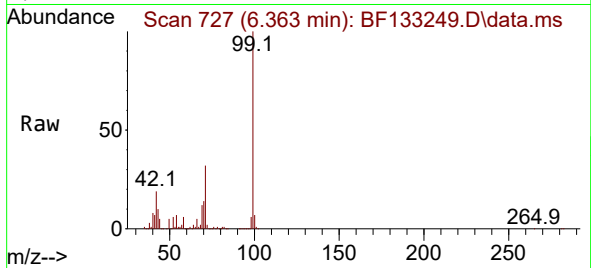




#7
Phenol-d6
Concen: 83.855 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

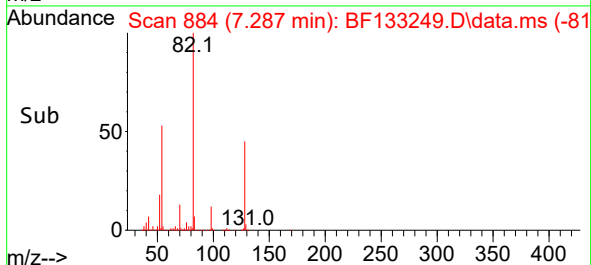
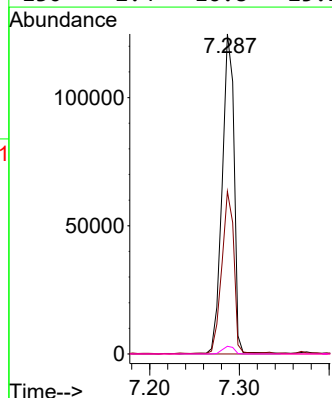
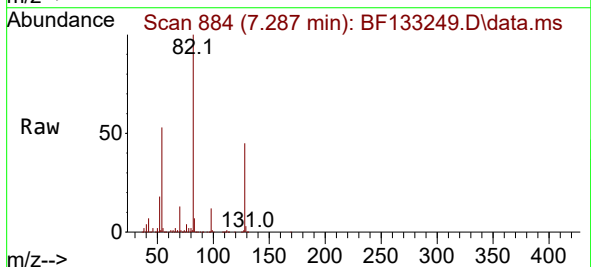
Instrument :
BNA_F
ClientSampleId :
ZONE-A-0-3-05022023

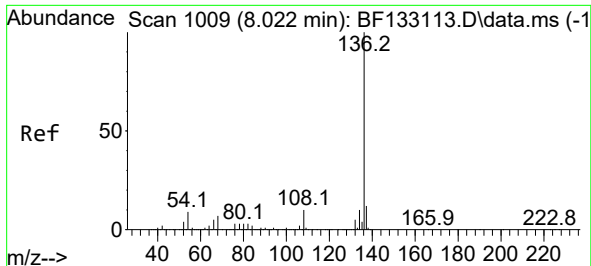
Tgt Ion: 99 Resp: 1398669
Ion Ratio Lower Upper
99 100
42 19.2 16.3 24.5
71 32.1 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.151 ng
RT: 7.287 min Scan# 884
Delta R.T. 0.135 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

Tgt Ion: 70 Resp: 115787
Ion Ratio Lower Upper
70 100
42 50.8 51.8 77.6#
101 0.0 8.0 12.0#
130 2.4 16.8 25.2#



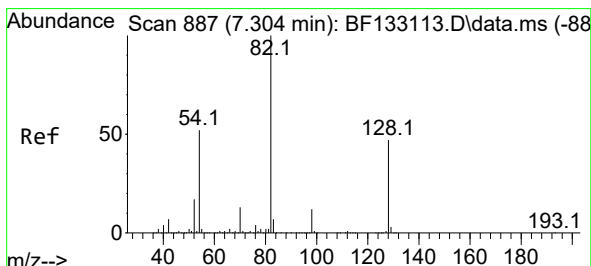
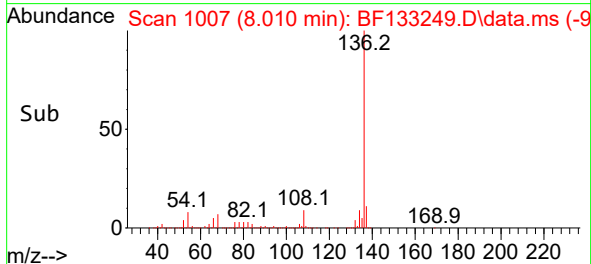
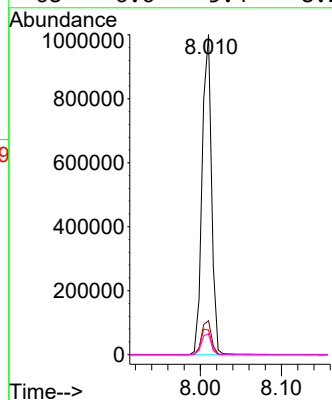
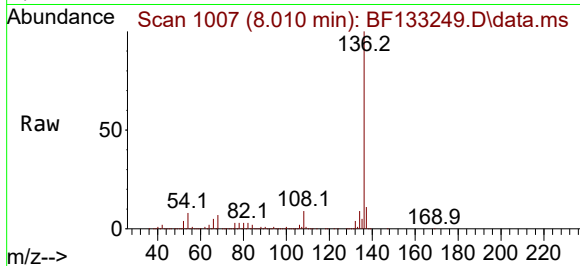


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

Instrument :
BNA_F
ClientSampleId :
ZONE-A-0-3-05022023

Tgt Ion:136 Resp: 808963

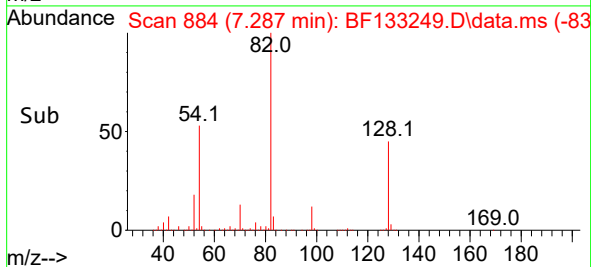
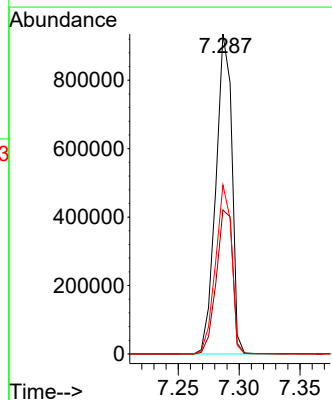
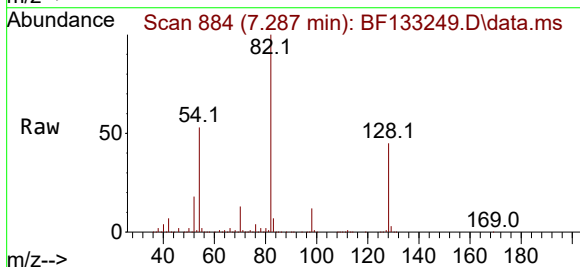
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	7.7	7.0	10.4
68	6.6	5.4	8.2

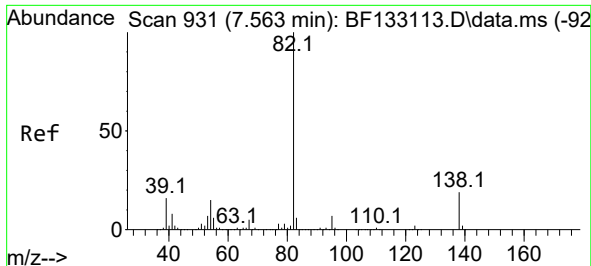


#23
Nitrobenzene-d5
Concen: 57.000 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

Tgt Ion: 82 Resp: 854272

Ion	Ratio	Lower	Upper
82	100		
128	45.0	37.7	56.5
54	52.8	43.0	64.4

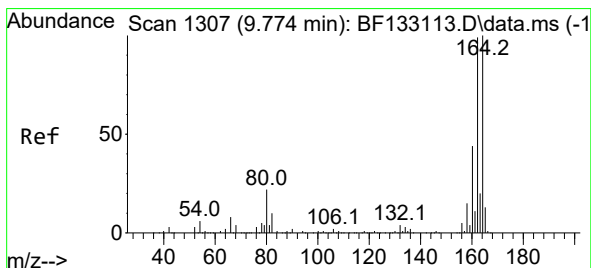
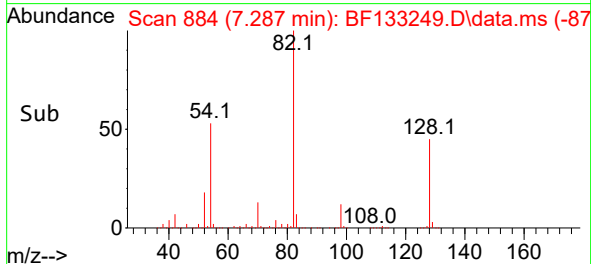
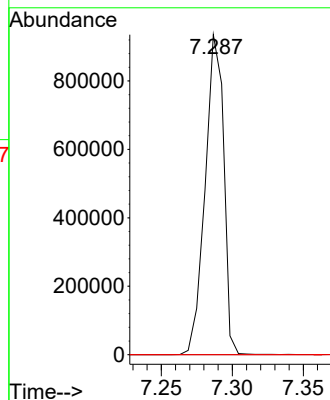
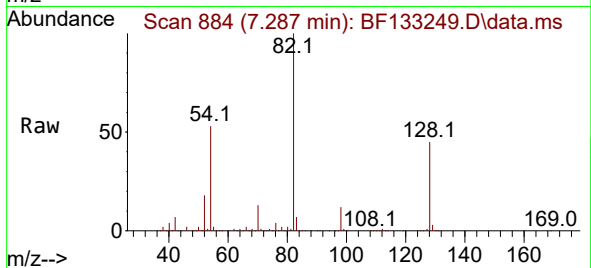




#25
Isophorone
Concen: 29.956 ng
RT: 7.287 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

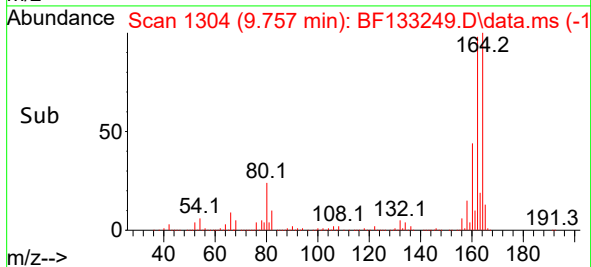
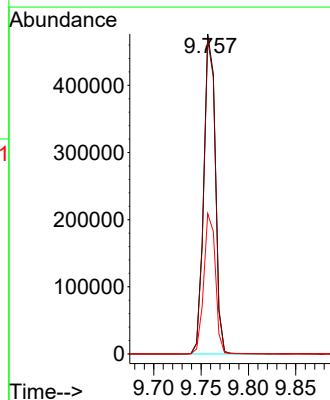
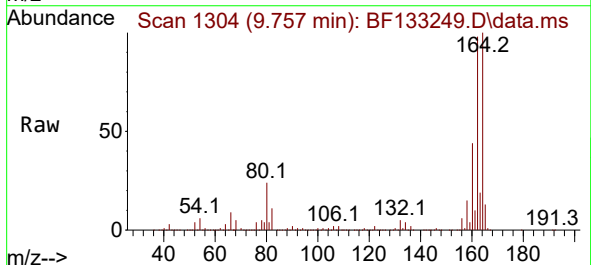
Instrument :
BNA_F
ClientSampleId :
ZONE-A-0-3-05022023

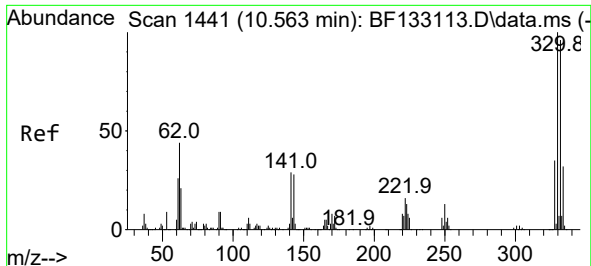
Tgt Ion: 82 Resp: 852408
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.012 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

Tgt Ion:164 Resp: 404841
Ion Ratio Lower Upper
164 100
162 98.1 78.7 118.1
160 43.9 35.8 53.6

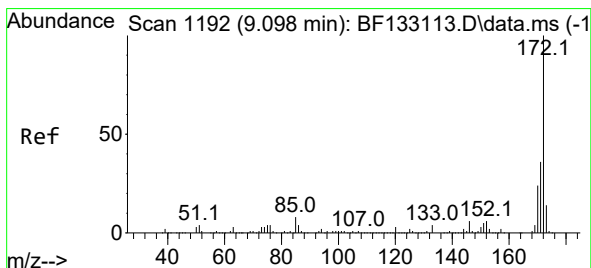
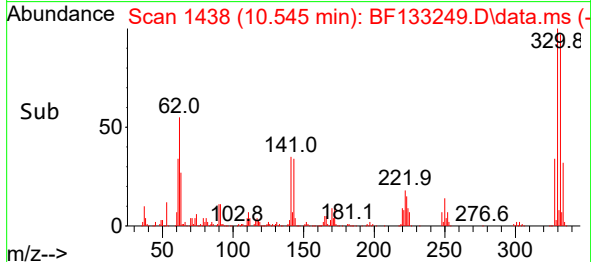
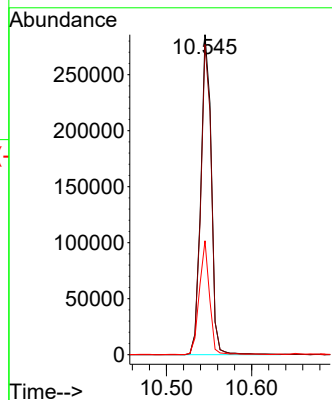
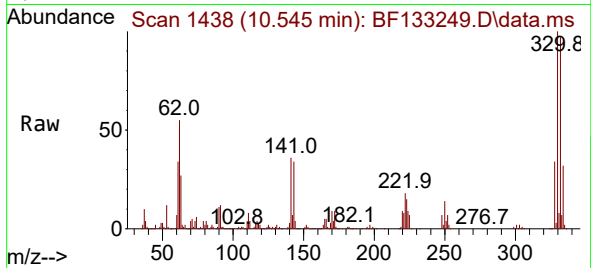




#42
2,4,6-Tribromophenol
Concen: 60.306 ng
RT: 10.545 min Scan# 1441
Delta R.T. -0.012 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

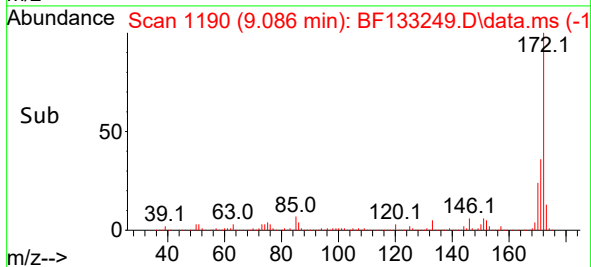
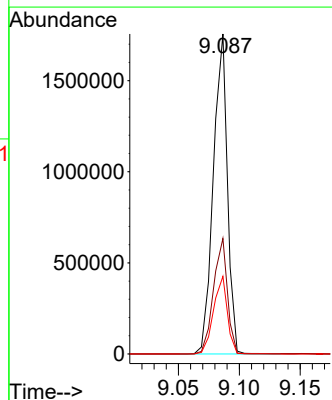
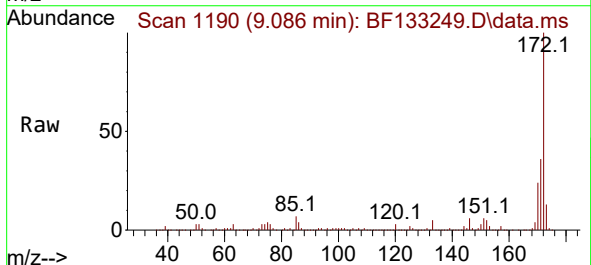
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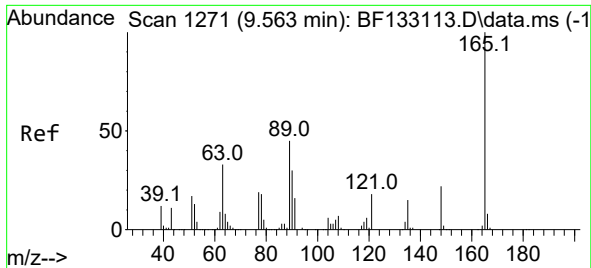
Tgt Ion:330 Resp: 245532
Ion Ratio Lower Upper
330 100
332 97.0 77.1 115.7
141 34.3 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 58.228 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

Tgt Ion:172 Resp: 1409021
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 24.3 19.4 29.2

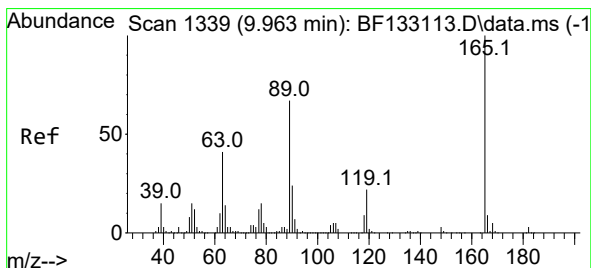
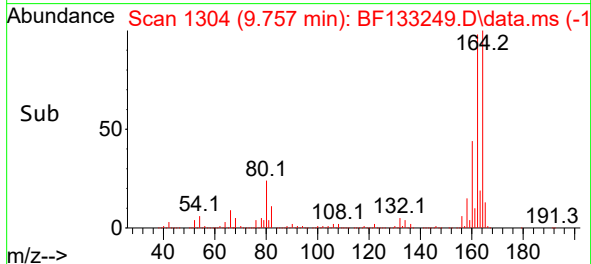
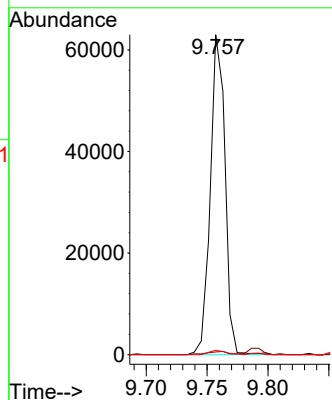
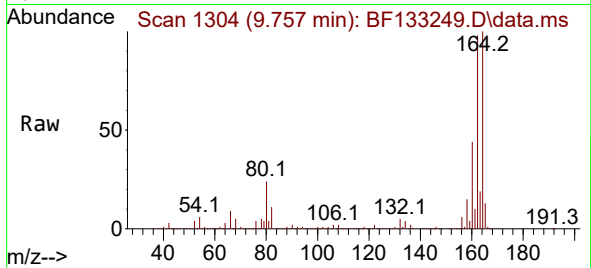




#51
2,6-Dinitrotoluene
Concen: 8.324 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

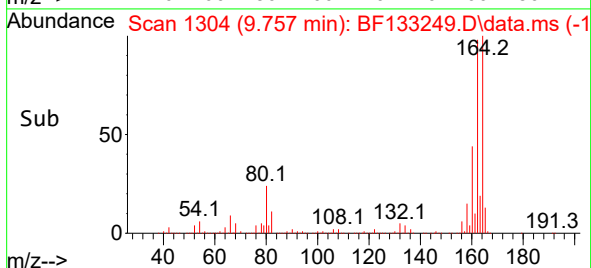
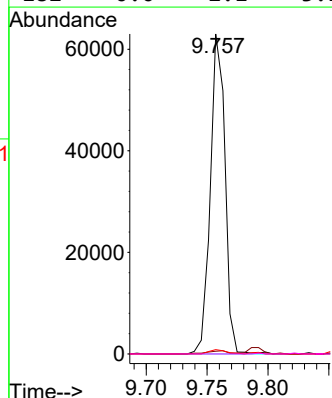
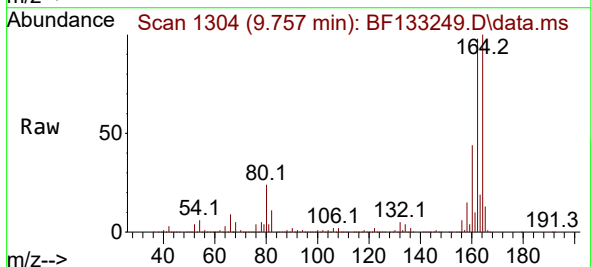
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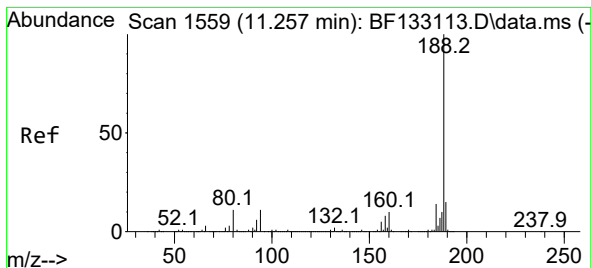
Tgt Ion:165 Resp: 52888
Ion Ratio Lower Upper
165 100
63 0.9 45.9 68.9#
89 1.4 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.527 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

Tgt Ion:165 Resp: 52888
Ion Ratio Lower Upper
165 100
63 0.9 37.7 56.5#
89 1.4 57.0 85.4#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133249.D

Acq: 05 May 2023 00:42

Instrument :

BNA_F

ClientSampleId :

ZONE-A-0-3-05022023

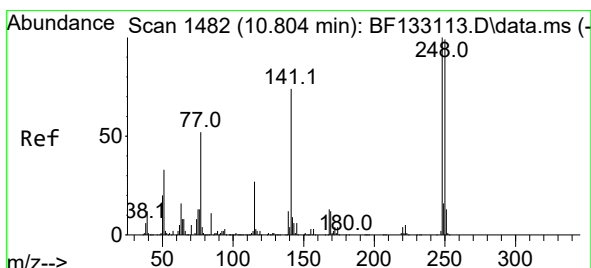
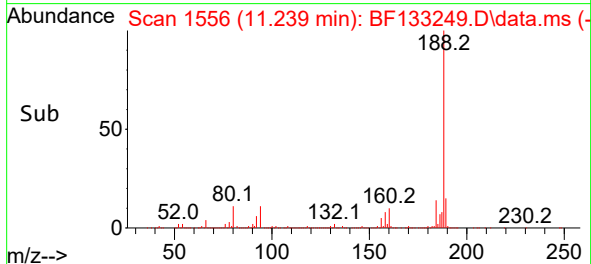
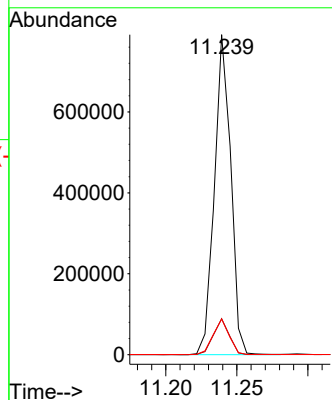
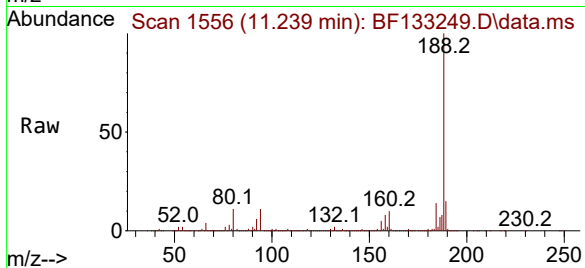
Tgt Ion:188 Resp: 631839

Ion Ratio Lower Upper

188 100

94 11.2 9.7 14.5

80 11.2 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 2.261 ng

RT: 10.545 min Scan# 1438

Delta R.T. -0.253 min

Lab File: BF133249.D

Acq: 05 May 2023 00:42

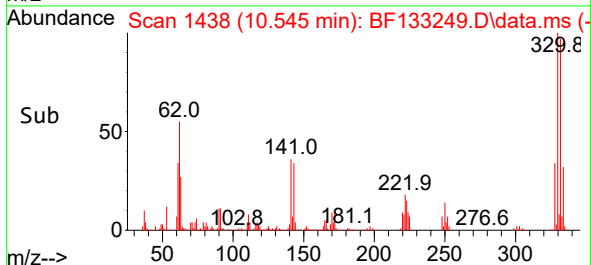
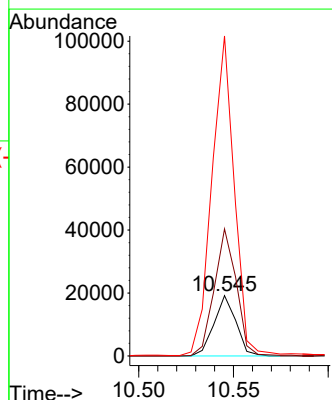
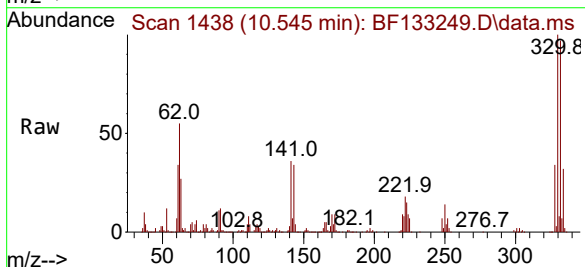
Tgt Ion:248 Resp: 15497

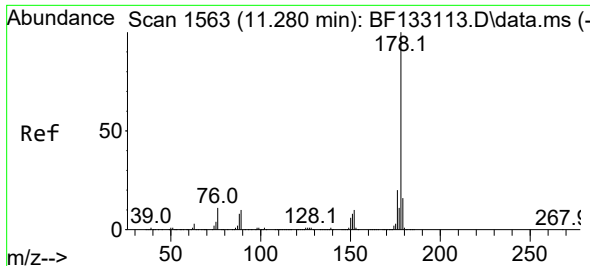
Ion Ratio Lower Upper

248 100

250 210.9 78.7 118.1#

141 531.0 56.3 84.5#

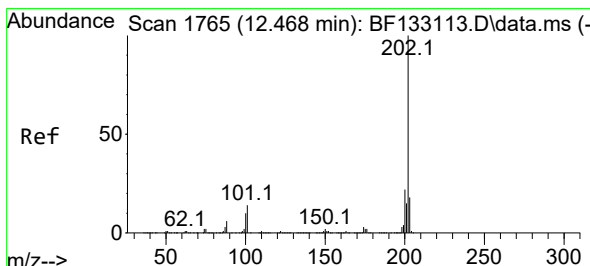
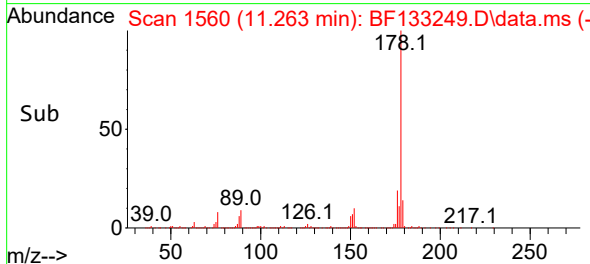
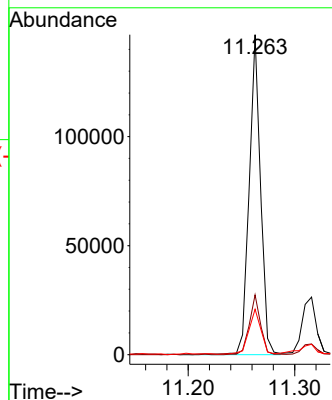
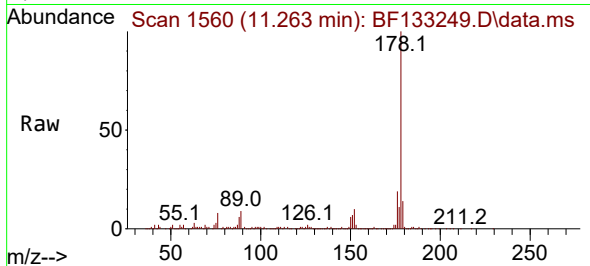




#71
Phenanthrene
Concen: 3.204 ng
RT: 11.263 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

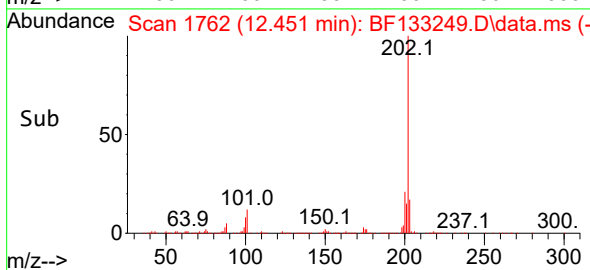
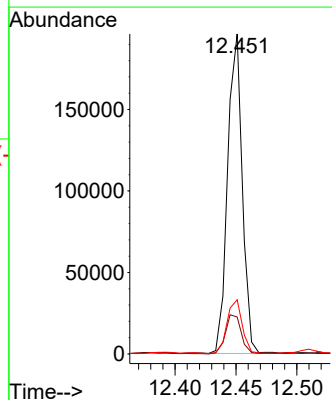
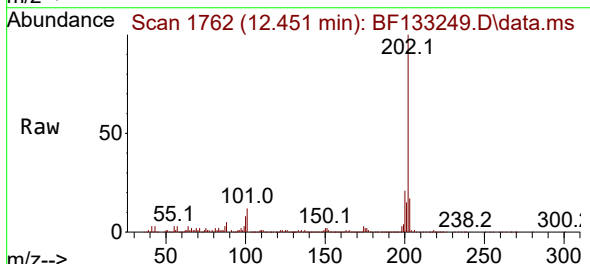
Instrument :
BNA_F
ClientSampleId :
ZONE-A-0-3-05022023

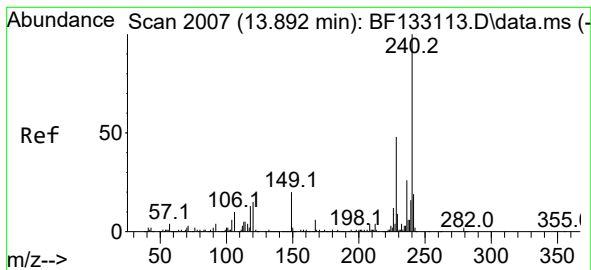
Tgt Ion:178 Resp: 108813
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 14.2 12.5 18.7



#75
Fluoranthene
Concen: 4.832 ng
RT: 12.451 min Scan# 1762
Delta R.T. -0.006 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

Tgt Ion:202 Resp: 164696
Ion Ratio Lower Upper
202 100
101 11.5 0.0 35.3
203 16.9 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133249.D

Acq: 05 May 2023 00:42

Instrument :

BNA_F

ClientSampleId :

ZONE-A-0-3-05022023

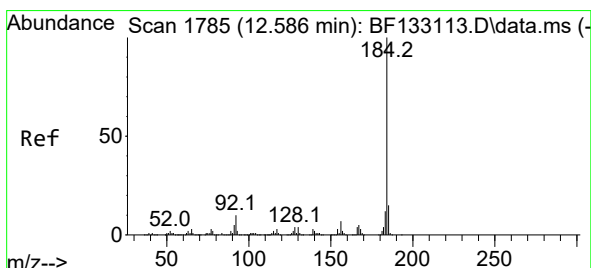
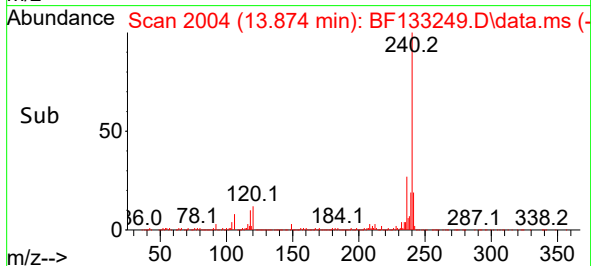
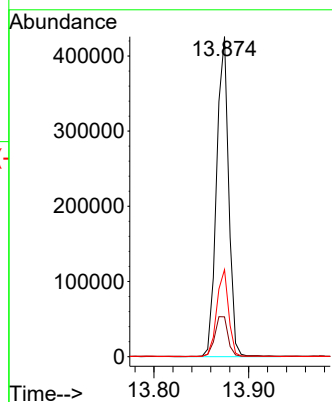
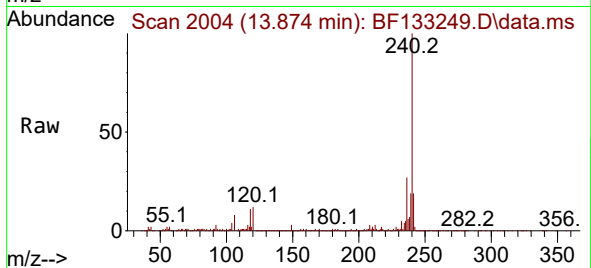
Tgt Ion:240 Resp: 376814

Ion Ratio Lower Upper

240 100

120 12.5 10.5 15.7

236 27.2 21.5 32.3



#77

Benzidine

Concen: 2.136 ng

RT: 12.827 min Scan# 1826

Delta R.T. 0.247 min

Lab File: BF133249.D

Acq: 05 May 2023 00:42

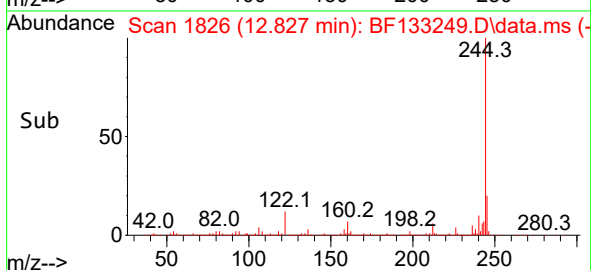
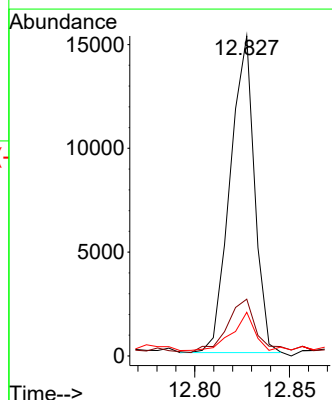
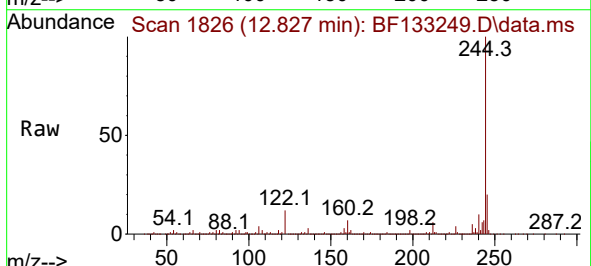
Tgt Ion:184 Resp: 13613

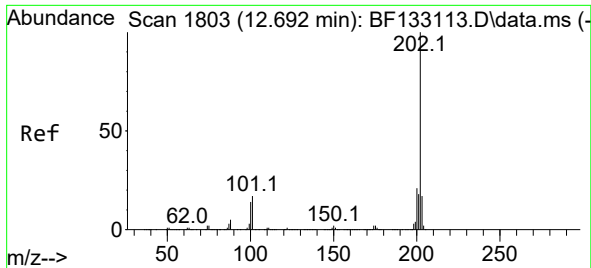
Ion Ratio Lower Upper

184 100

185 17.7 15.4 23.2

183 13.7 9.4 14.0





#78

Pyrene

Concen: 4.355 ng

RT: 12.675 min Scan# 1800

Delta R.T. -0.012 min

Lab File: BF133249.D

Acq: 05 May 2023 00:42

Instrument :

BNA_F

ClientSampleId :

ZONE-A-0-3-05022023

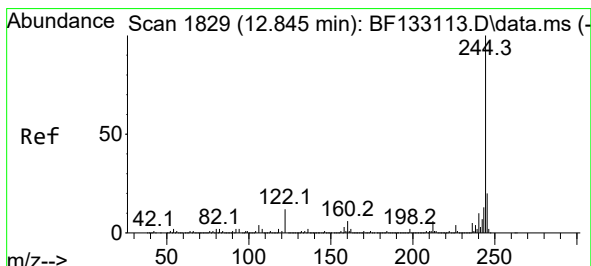
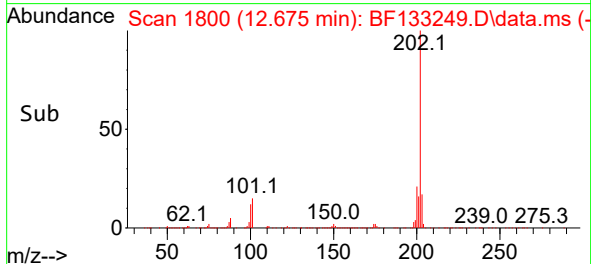
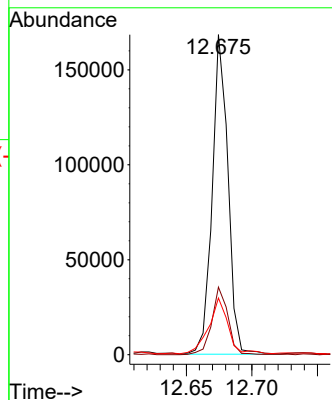
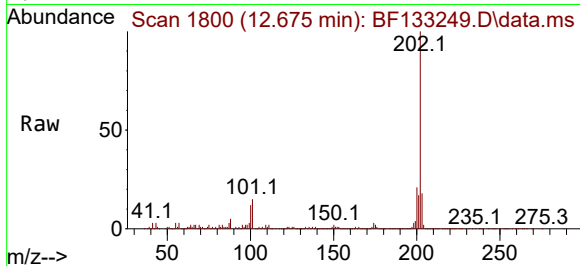
Tgt Ion:202 Resp: 140662

Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 17.7 14.1 21.1



#79

Terphenyl-d14

Concen: 50.475 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF133249.D

Acq: 05 May 2023 00:42

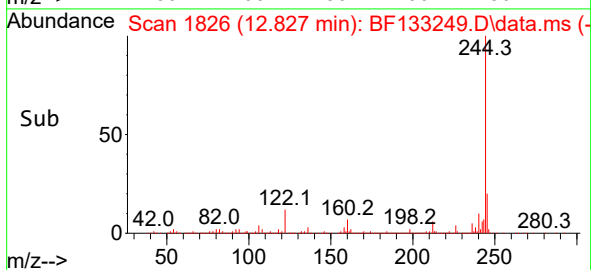
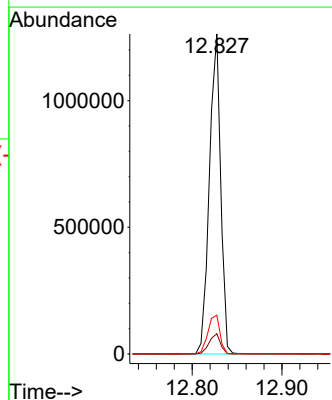
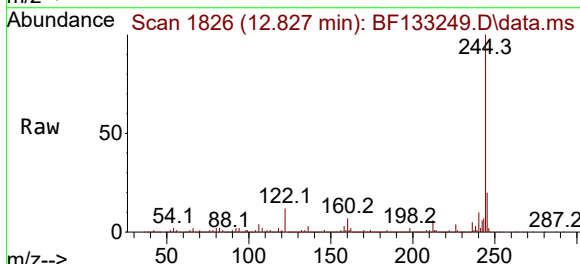
Tgt Ion:244 Resp: 1102810

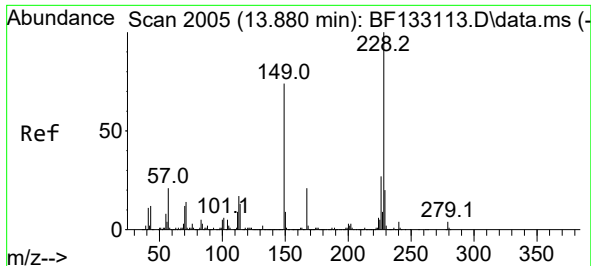
Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 12.1 8.6 13.0

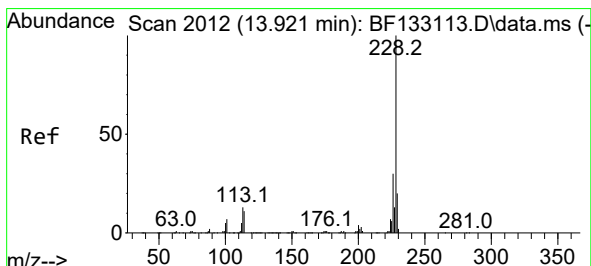
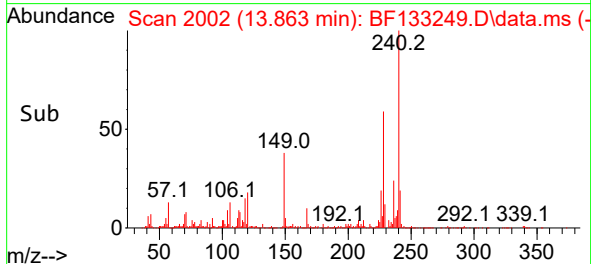
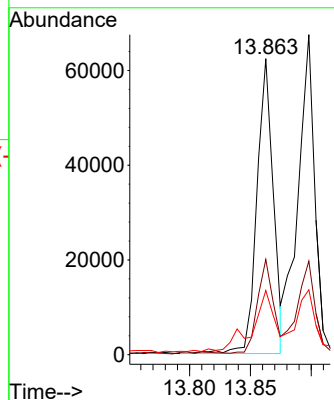
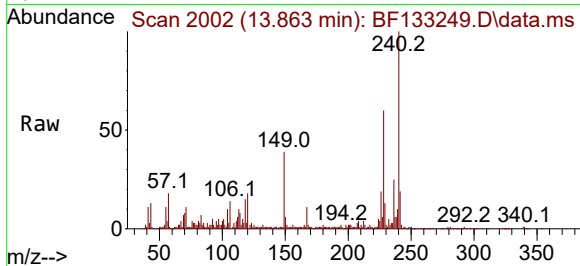




#81
Benzo(a)anthracene
Concen: 2.247 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.012 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

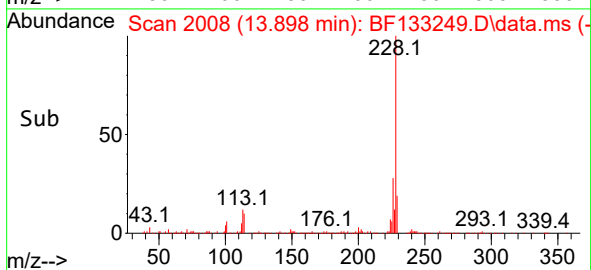
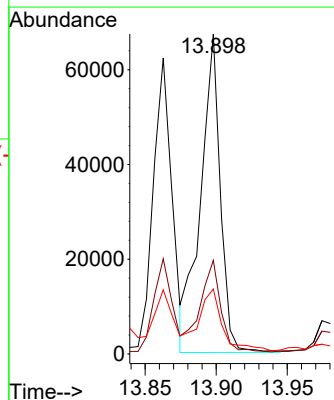
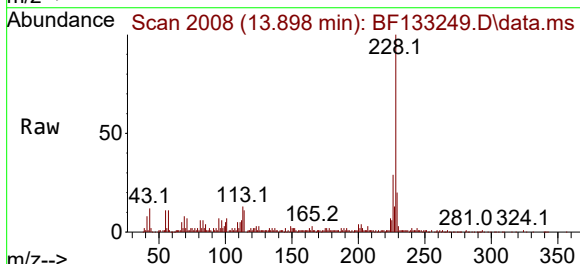
Instrument :
BNA_F
ClientSampleId :
ZONE-A-0-3-05022023

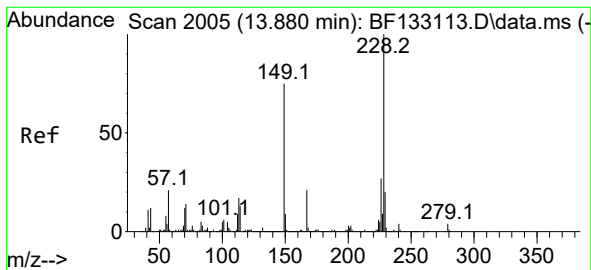
Tgt Ion:228 Resp: 58218
Ion Ratio Lower Upper
228 100
226 32.2 22.2 33.4
229 21.7 16.0 24.0



#83
Chrysene
Concen: 2.520 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

Tgt Ion:228 Resp: 65295
Ion Ratio Lower Upper
228 100
226 29.2 24.7 37.1
229 20.3 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.566 ng

RT: 13.863 min Scan# 2002

Delta R.T. -0.006 min

Lab File: BF133249.D

Acq: 05 May 2023 00:42

Instrument :

BNA_F

ClientSampleId :

ZONE-A-0-3-05022023

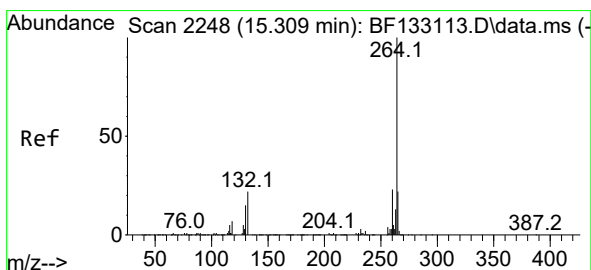
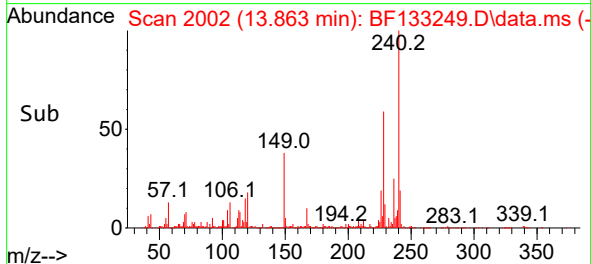
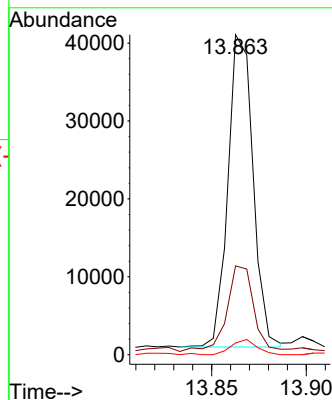
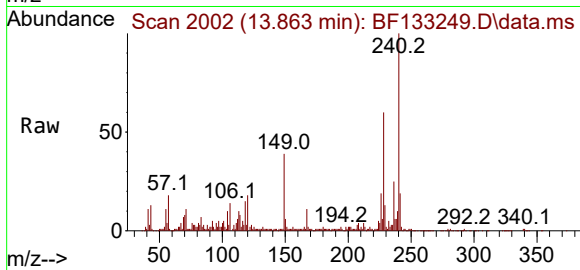
Tgt Ion:149 Resp: 36841

Ion Ratio Lower Upper

149 100

167 27.8 22.5 33.7

279 3.7 4.2 6.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 2245

Delta R.T. -0.006 min

Lab File: BF133249.D

Acq: 05 May 2023 00:42

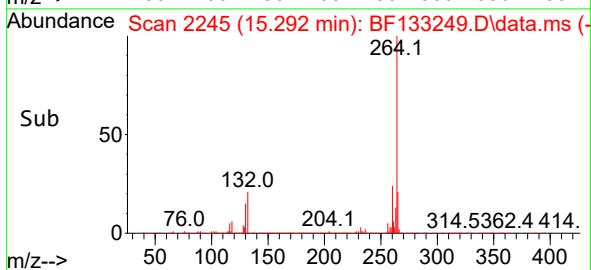
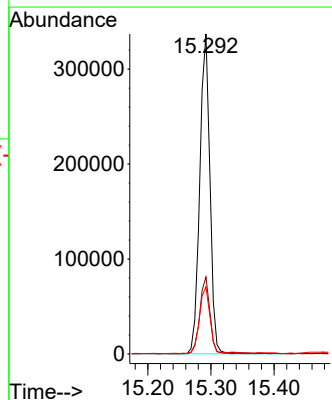
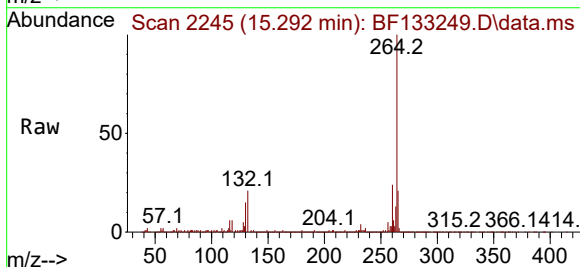
Tgt Ion:264 Resp: 375591

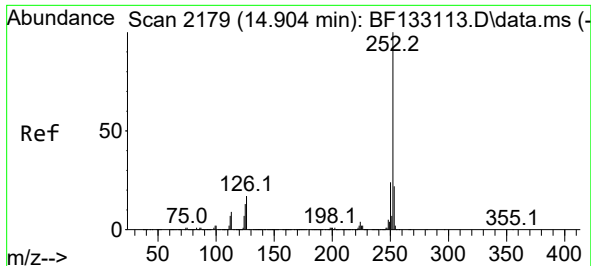
Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 21.0 17.0 25.4

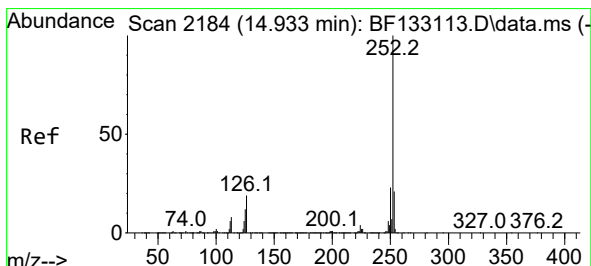
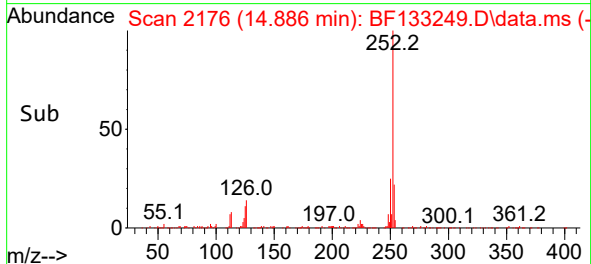
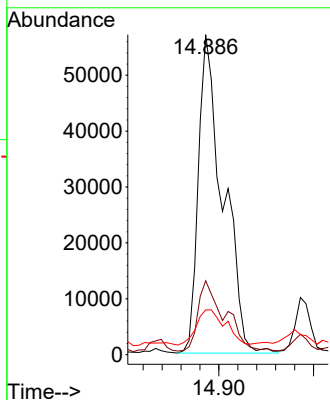
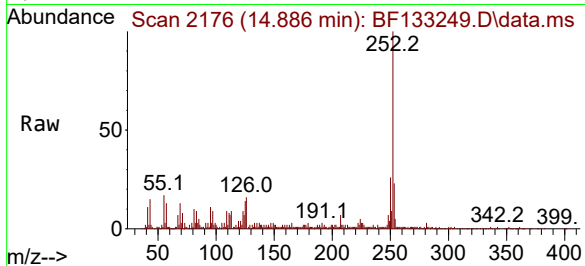




#88
Benzo(b)fluoranthene
Concen: 4.310 ng
RT: 14.886 min Scan# 2176
Delta R.T. -0.012 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

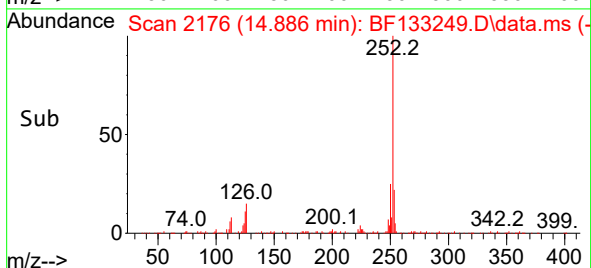
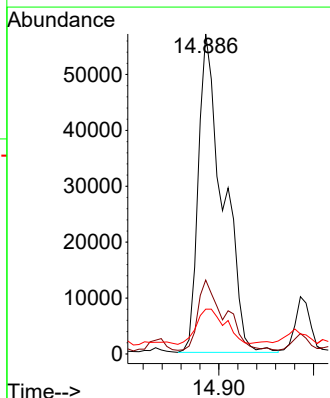
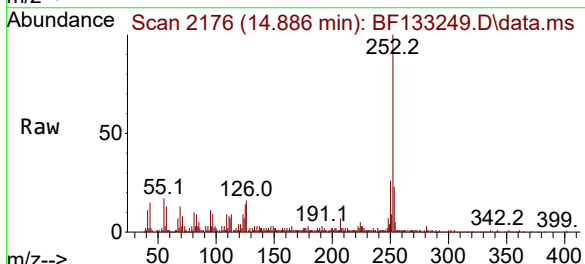
Instrument :
BNA_F
ClientSampleId :
ZONE-A-0-3-05022023

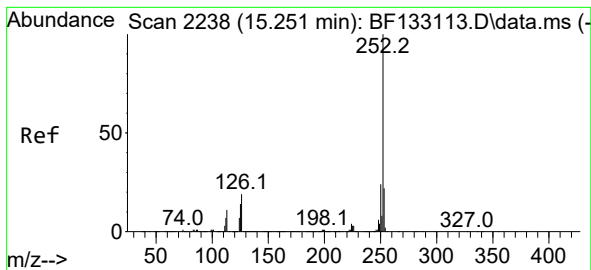
Tgt Ion:252 Resp: 102980
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 14.0 8.9 13.3#



#89
Benzo(k)fluoranthene
Concen: 4.348 ng
RT: 14.886 min Scan# 2176
Delta R.T. -0.041 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

Tgt Ion:252 Resp: 102980
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 14.0 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 2.196 ng

RT: 15.227 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133249.D

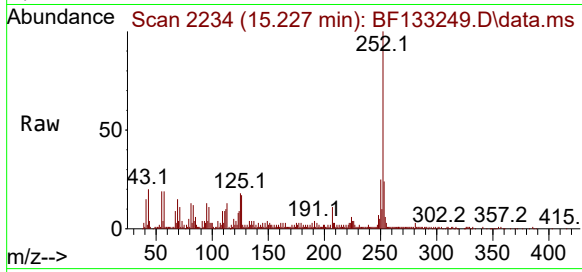
Acq: 05 May 2023 00:42

Instrument :

BNA_F

ClientSampleId :

ZONE-A-0-3-05022023



Tgt Ion:252 Resp: 47771

Ion Ratio Lower Upper

252 100

253 24.4 17.7 26.5

125 17.9 10.5 15.7#

