

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051123\
 Data File : BF133364.D
 Acq On : 11 May 2023 20:17
 Operator : CG\JU
 Sample : 02745-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-051023

Quant Time: May 12 04:32:05 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)

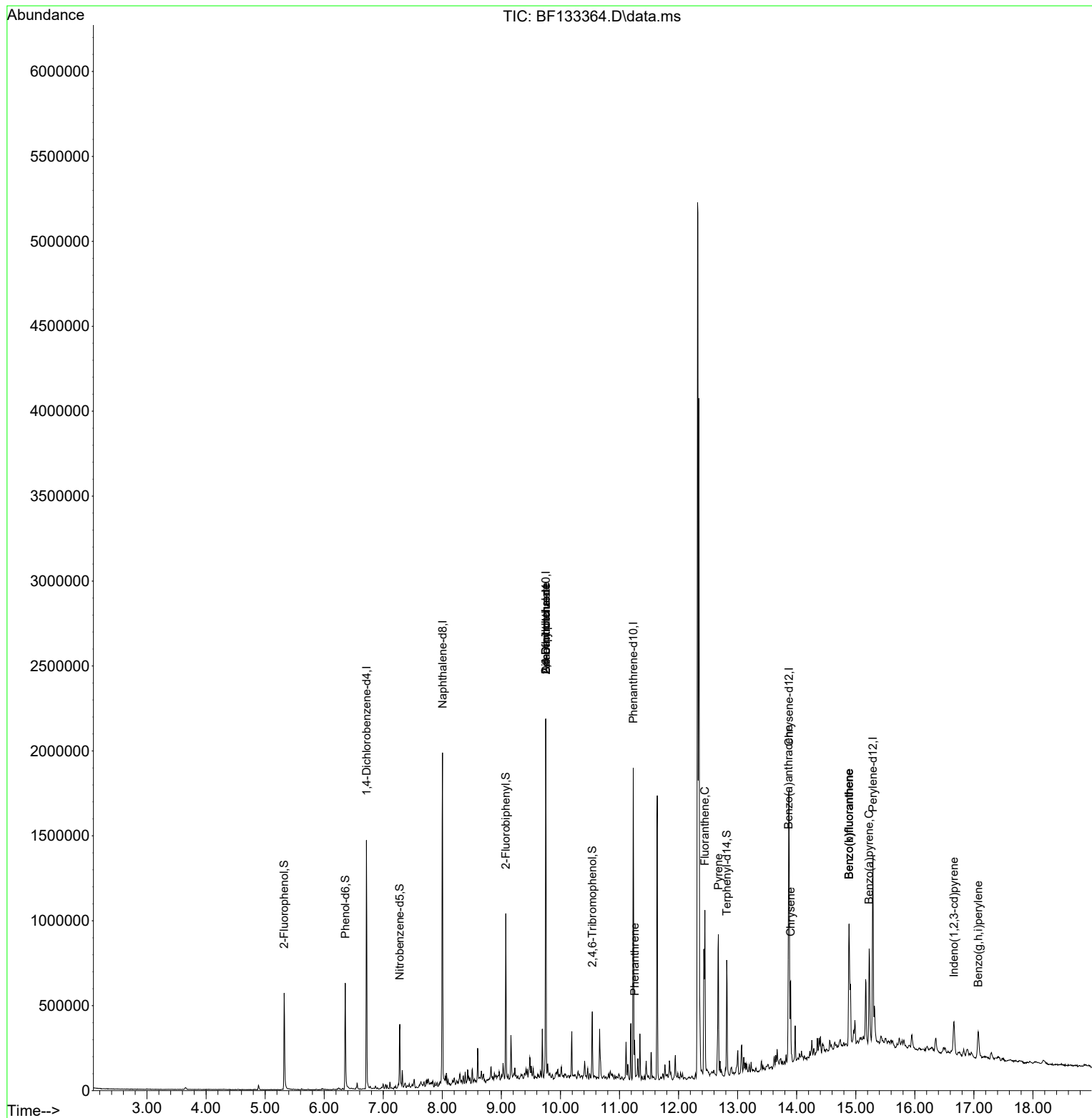
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	199163	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	787007	20.000	ng	0.00
39) Acenaphthene-d10	9.751	164	385350	20.000	ng	0.00
64) Phenanthrene-d10	11.233	188	613262	20.000	ng	0.00
76) Chrysene-d12	13.868	240	458555	20.000	ng	-0.01
86) Perylene-d12	15.292	264	459617	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.322	112	166694	12.643	ng	0.00
7) Phenol-d6	6.357	99	206745	12.634	ng	-0.01
23) Nitrobenzene-d5	7.281	82	123955	8.501	ng	-0.01
42) 2,4,6-Tribromophenol	10.539	330	40421	10.430	ng	-0.01
45) 2-Fluorobiphenyl	9.075	172	261259	11.343	ng	-0.01
79) Terphenyl-d14	12.816	244	223829	8.418	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.275	77	262	Below Cal	#	1
50) Dimethylphthalate	9.751	163	73007	2.717	ng	# 1
51) 2,6-Dinitrotoluene	9.751	165	50829	8.405	ng	# 25
57) 2,4-Dinitrotoluene	9.751	165	50829	6.590	ng	# 24
71) Phenanthrene	11.257	178	71966	2.183	ng	99
75) Fluoranthene	12.445	202	355261	10.739	ng	96
78) Pyrene	12.674	202	335595	8.537	ng	98
81) Benzo(a)anthracene	13.863	228	215421	6.832	ng	99
83) Chrysene	13.898	228	204284	6.480	ng	99
87) Indeno(1,2,3-cd)pyrene	16.662	276	127163	4.864	ng	92
88) Benzo(b)fluoranthene	14.886	252	487675	16.678	ng	99
89) Benzo(k)fluoranthene	14.886	252	487675	16.825	ng	99
90) Benzo(a)pyrene	15.227	252	255776	9.610	ng	99
92) Benzo(g,h,i)perylene	17.074	276	116947	5.432	ng	96

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

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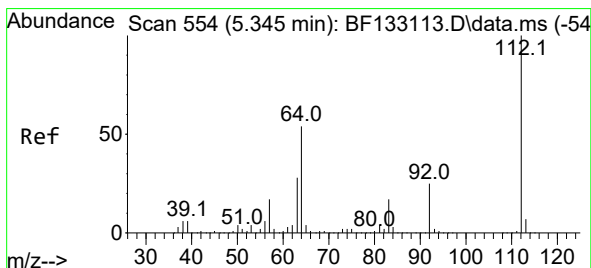
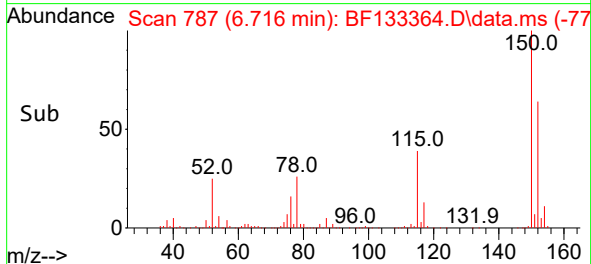
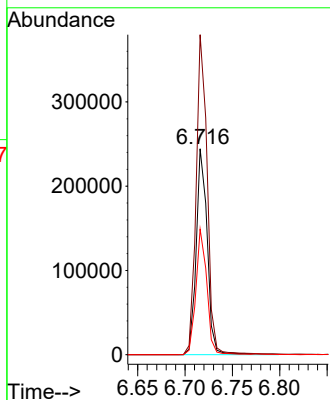
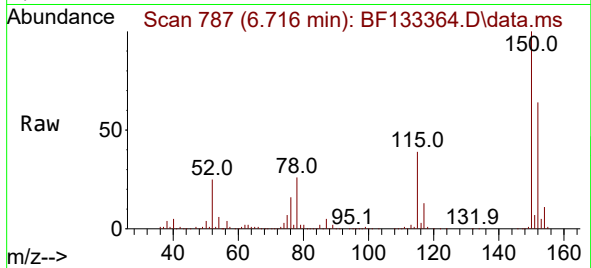




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

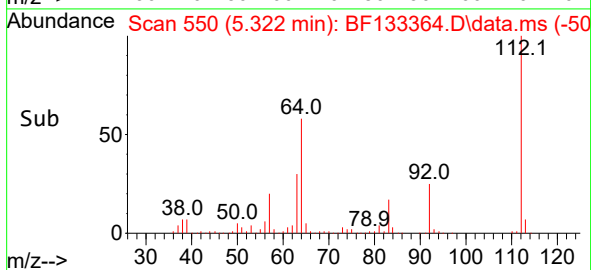
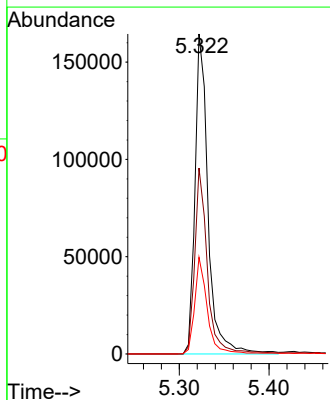
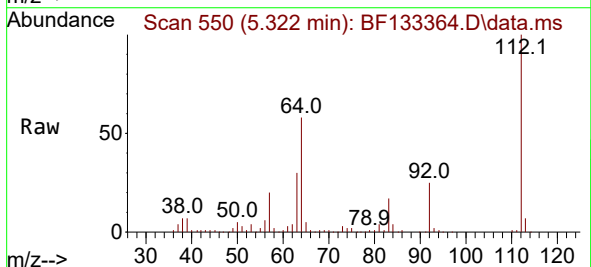
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BNA_F
ClientSampleId :
NB-08-051023

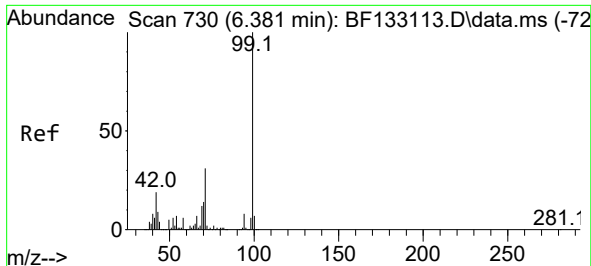
Tgt Ion:152 Resp: 199163
Ion Ratio Lower Upper
152 100
150 155.4 124.8 187.2
115 61.0 49.9 74.9



#5
2-Fluorophenol
Concen: 12.643 ng
RT: 5.322 min Scan# 550
Delta R.T. -0.006 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

Tgt Ion:112 Resp: 166694
Ion Ratio Lower Upper
112 100
64 58.1 46.8 70.2
63 30.2 23.8 35.8

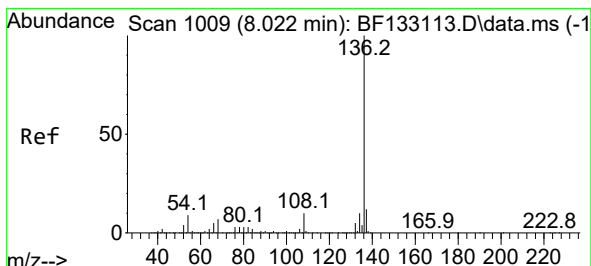
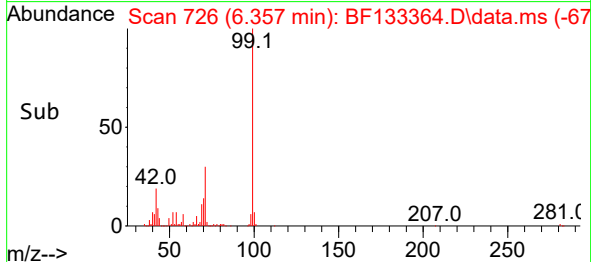
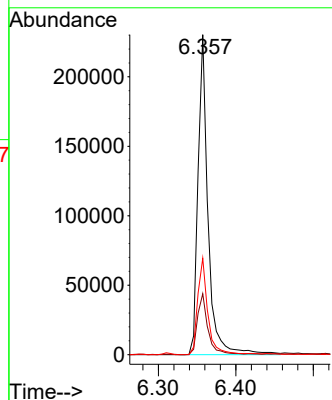
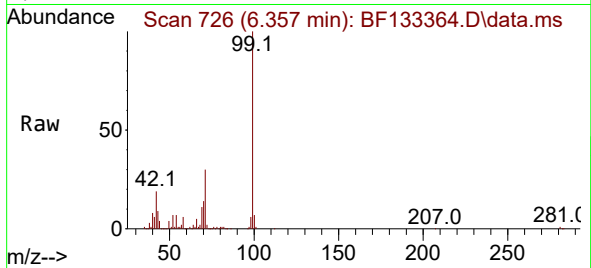




#7
Phenol-d6
Concen: 12.634 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

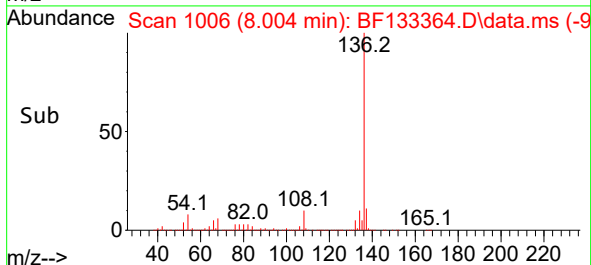
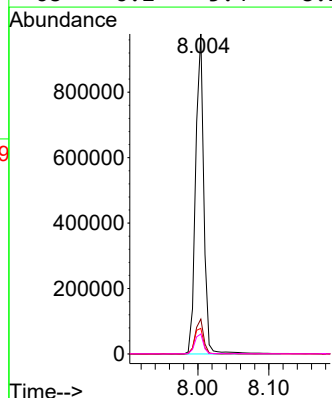
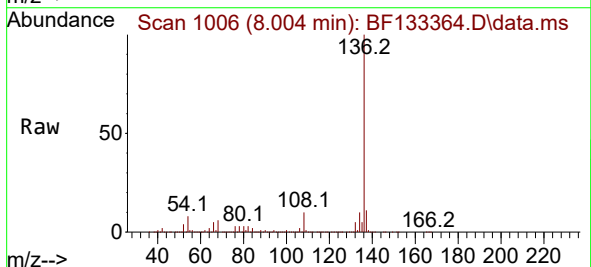
Instrument :
BNA_F
ClientSampleId :
NB-08-051023

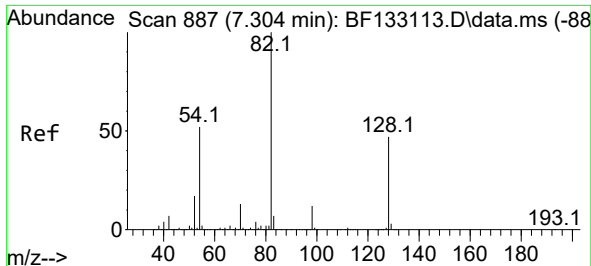
Tgt Ion: 99 Resp: 206745
Ion Ratio Lower Upper
99 100
42 19.0 16.3 24.5
71 30.2 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

Tgt Ion: 136 Resp: 787007
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.0 7.0 10.4
68 6.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 8.501 ng

RT: 7.281 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF133364.D

Acq: 11 May 2023 20:17

Instrument :

BNA_F

ClientSampleId :

NB-08-051023

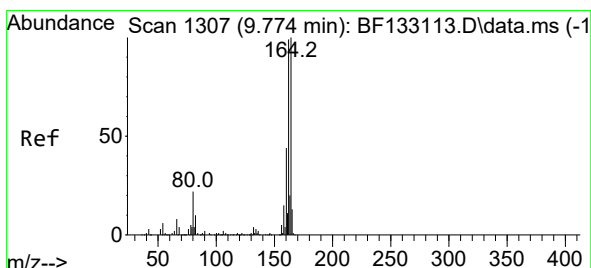
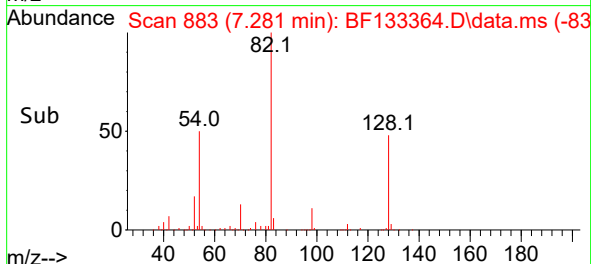
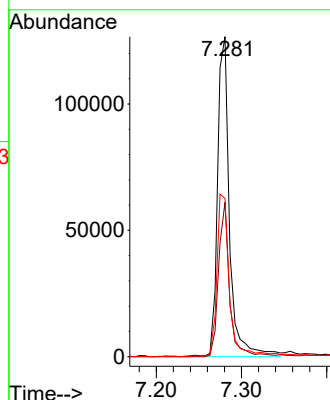
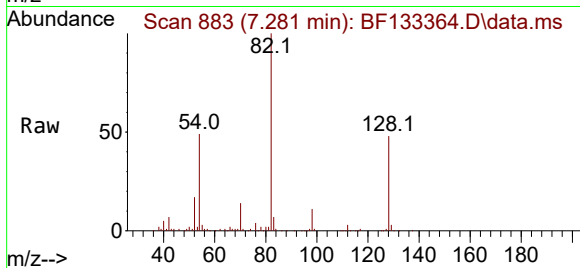
Tgt Ion: 82 Resp: 123955

Ion Ratio Lower Upper

82 100

128 48.3 37.7 56.5

54 49.5 43.0 64.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.751 min Scan# 1303

Delta R.T. -0.006 min

Lab File: BF133364.D

Acq: 11 May 2023 20:17

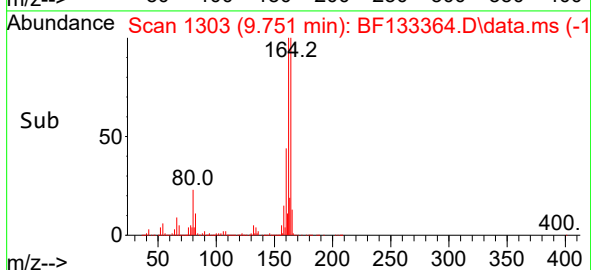
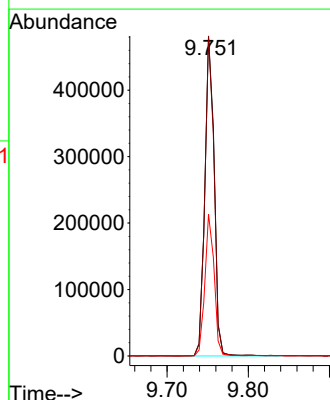
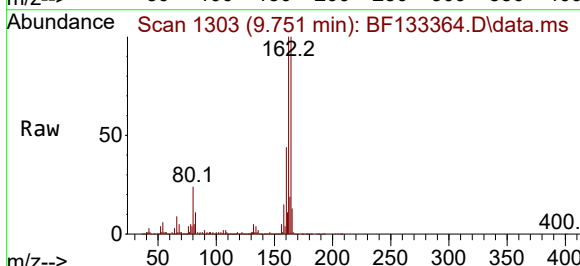
Tgt Ion:164 Resp: 385350

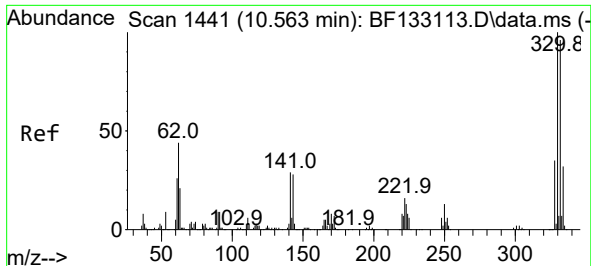
Ion Ratio Lower Upper

164 100

162 100.0 78.7 118.1

160 44.3 35.8 53.6

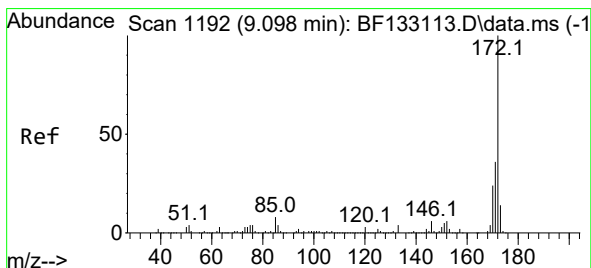
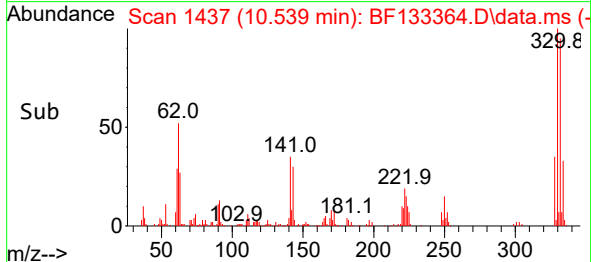
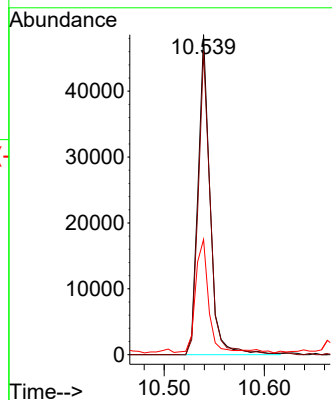
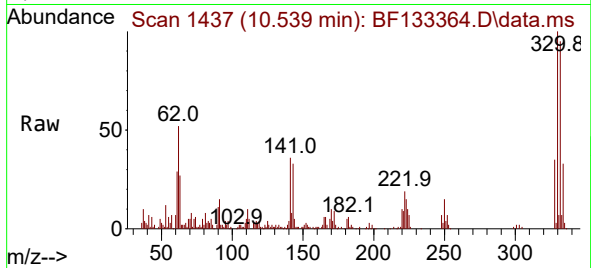




#42
2,4,6-Tribromophenol
Concen: 10.430 ng
RT: 10.539 min Scan# 1441
Delta R.T. -0.012 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

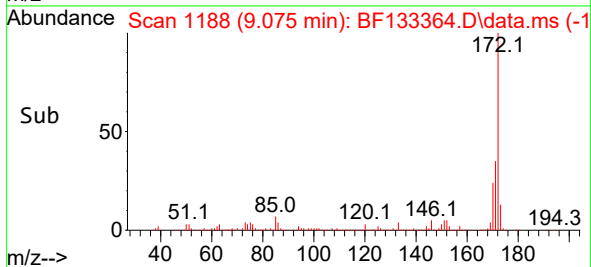
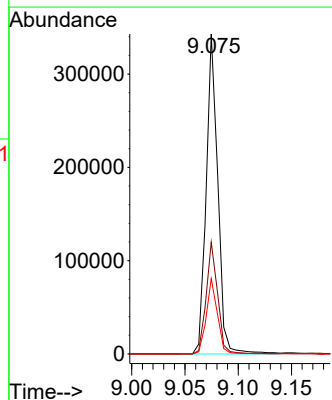
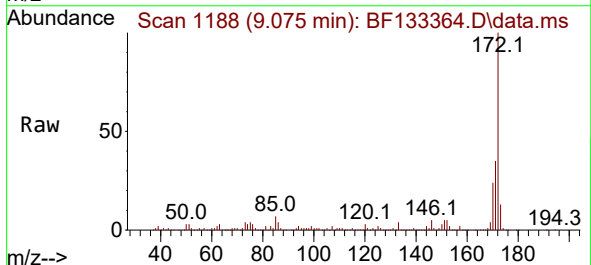
Instrument :
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NB-08-051023

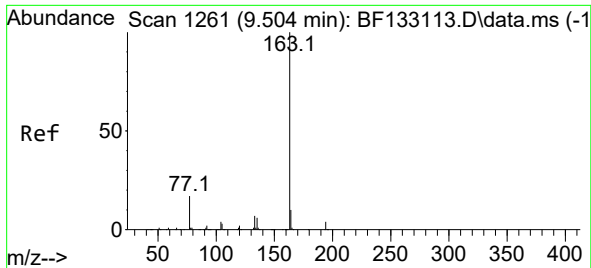
Tgt Ion:330 Resp: 40421
Ion Ratio Lower Upper
330 100
332 95.0 77.1 115.7
141 37.4 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 11.343 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

Tgt Ion:172 Resp: 261259
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.6 19.4 29.2

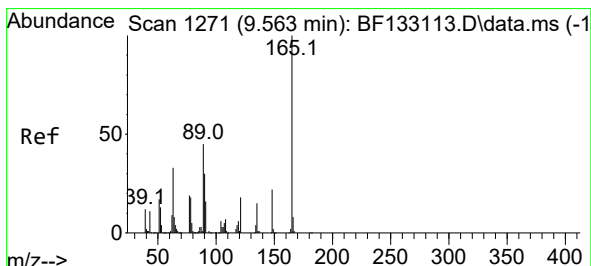
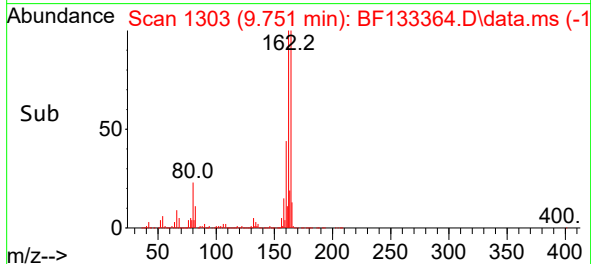
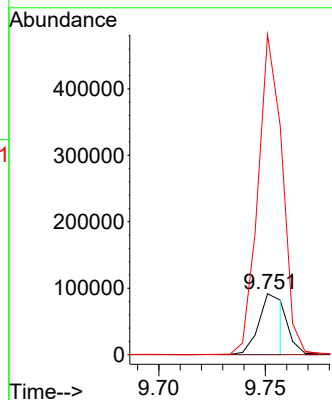
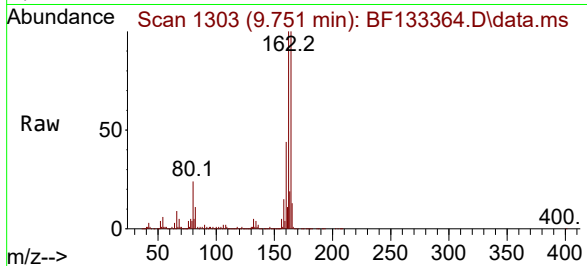




#50
Dimethylphthalate
Concen: 2.717 ng
RT: 9.751 min Scan# 1303
Delta R.T. 0.265 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

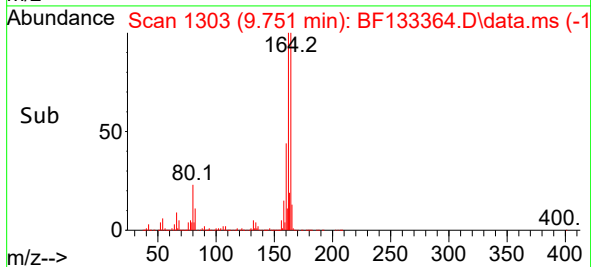
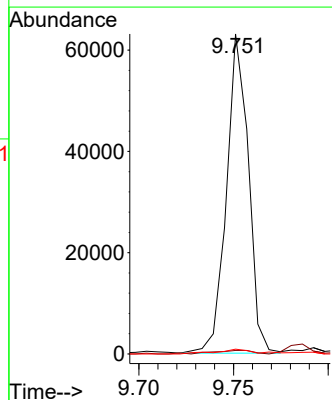
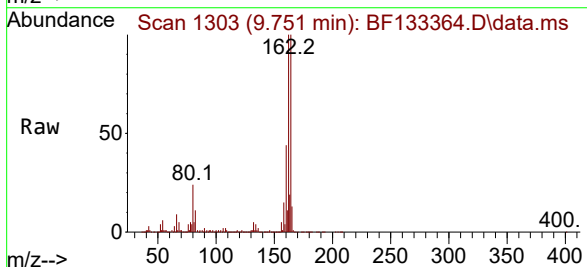
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ClientSampleId :
NB-08-051023

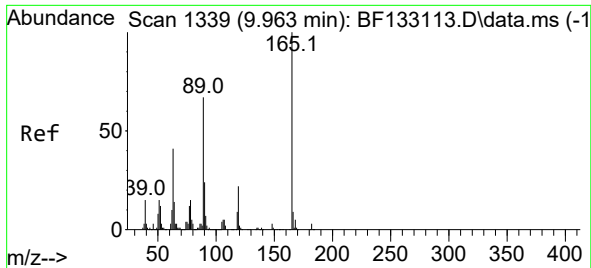
Tgt Ion:163 Resp: 73007
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 525.3 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.405 ng
RT: 9.751 min Scan# 1303
Delta R.T. 0.206 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

Tgt Ion:165 Resp: 50829
Ion Ratio Lower Upper
165 100
63 1.1 45.9 68.9#
89 1.5 44.0 66.0#

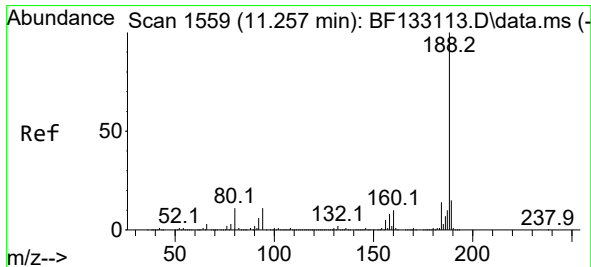
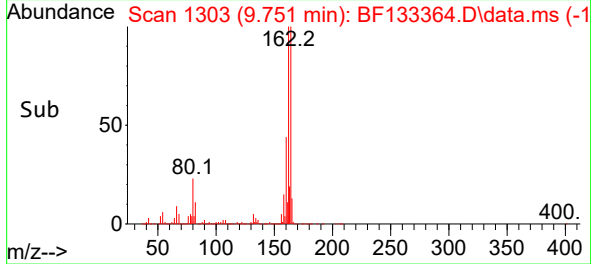
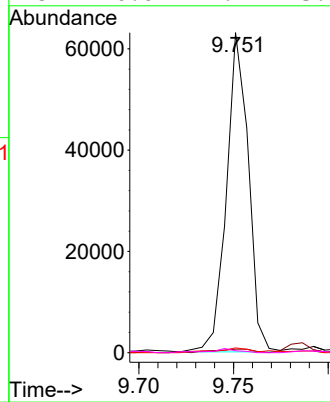
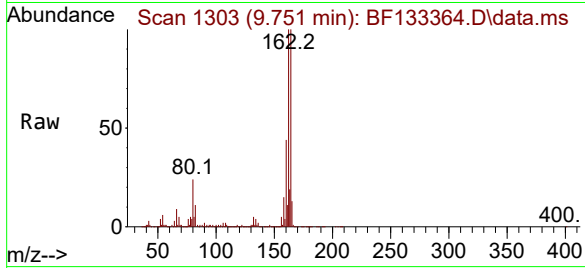




#57
2,4-Dinitrotoluene
Concen: 6.590 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

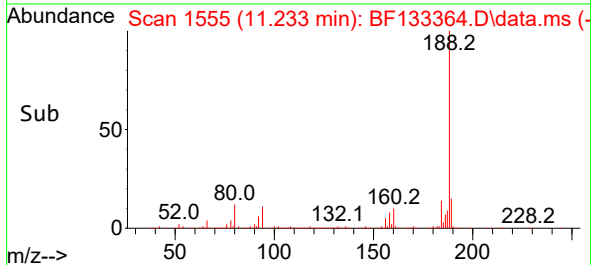
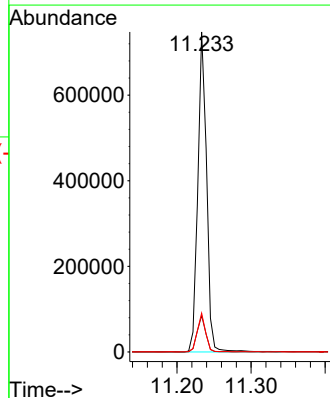
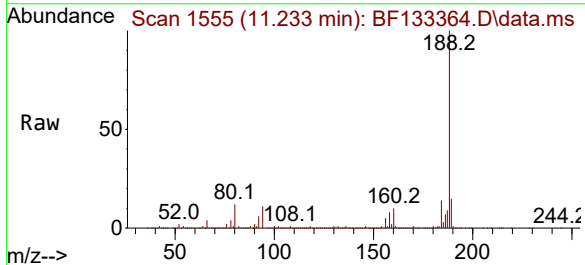
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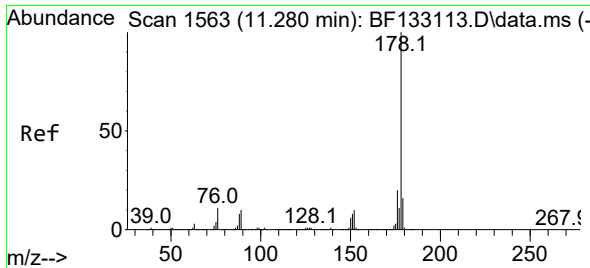
Tgt Ion:165 Resp: 50829
Ion Ratio Lower Upper
165 100
63 1.1 37.7 56.5#
89 1.5 57.0 85.4#
182 0.6 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

Tgt Ion:188 Resp: 613262
Ion Ratio Lower Upper
188 100
94 11.4 9.7 14.5
80 12.2 10.4 15.6

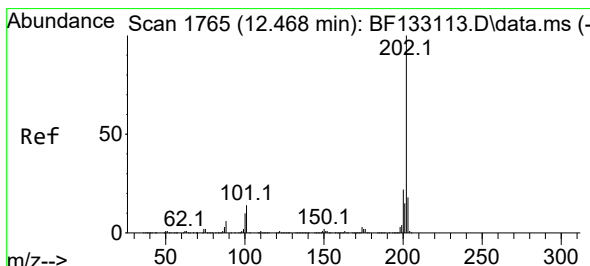
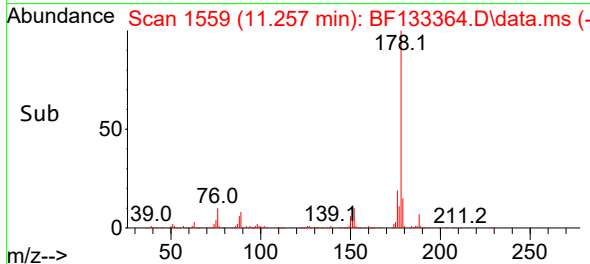
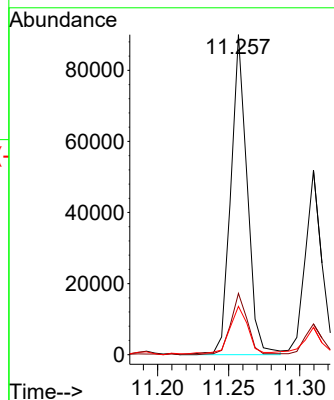
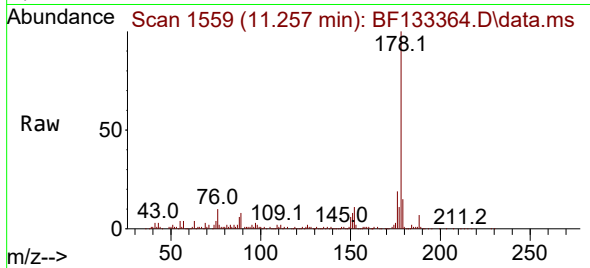




#71
Phenanthrene
Concen: 2.183 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

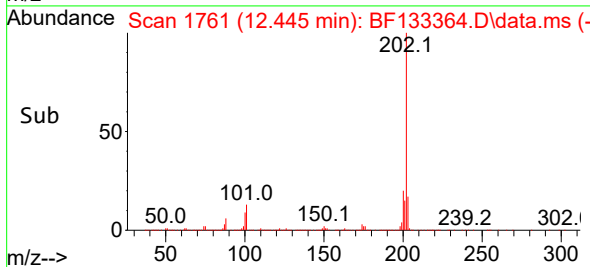
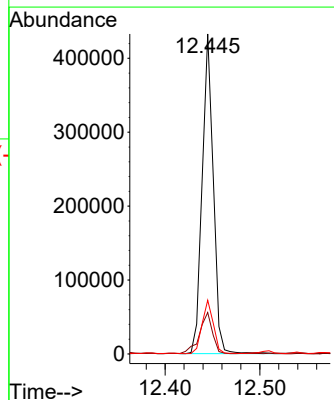
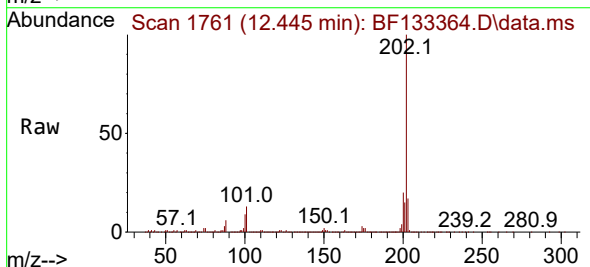
Instrument :
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ClientSampleId :
NB-08-051023

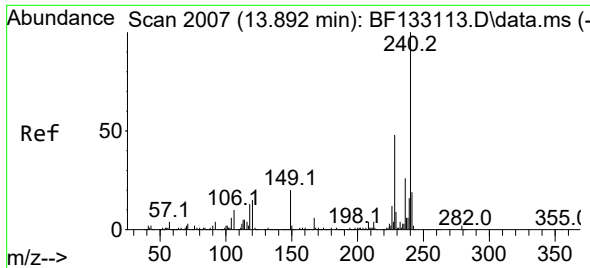
Tgt Ion:178 Resp: 71966
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.1 12.5 18.7



#75
Fluoranthene
Concen: 10.739 ng
RT: 12.445 min Scan# 1761
Delta R.T. -0.006 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

Tgt Ion:202 Resp: 355261
Ion Ratio Lower Upper
202 100
101 13.0 0.0 35.3
203 16.8 0.0 38.1

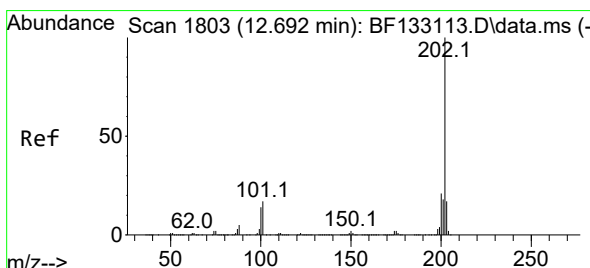
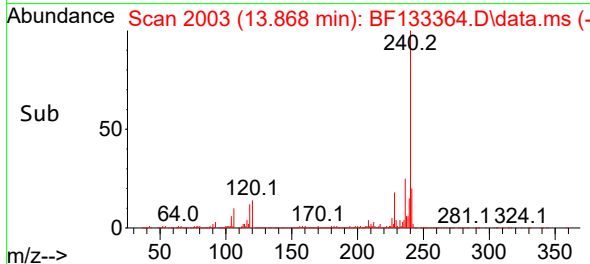
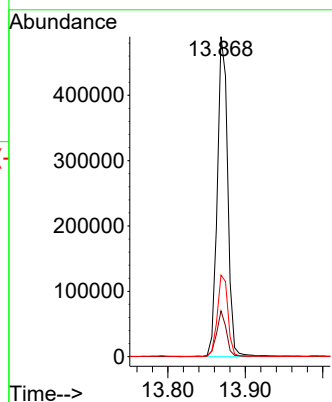
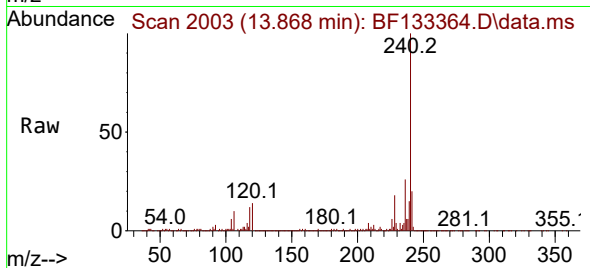




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.868 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

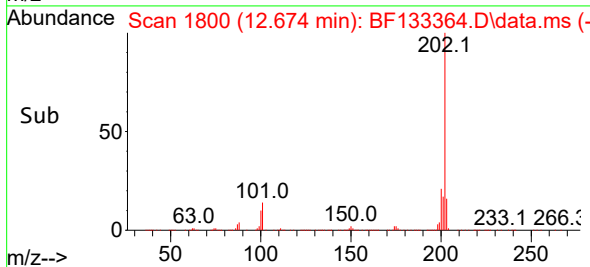
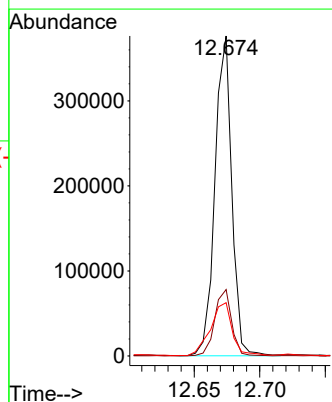
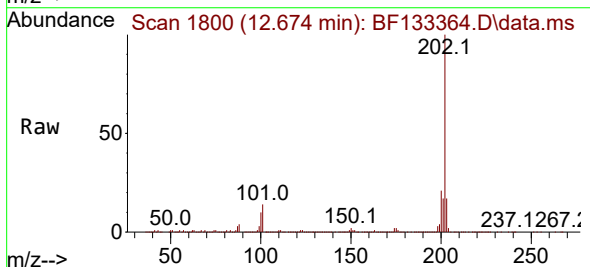
Instrument :
BNA_F
ClientSampleId :
NB-08-051023

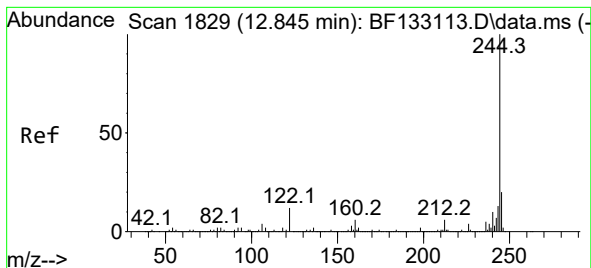
Tgt Ion:240 Resp: 458555
Ion Ratio Lower Upper
240 100
120 14.3 10.5 15.7
236 25.5 21.5 32.3



#78
Pyrene
Concen: 8.537 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

Tgt Ion:202 Resp: 335595
Ion Ratio Lower Upper
202 100
200 20.8 17.1 25.7
203 16.6 14.1 21.1





#79

Terphenyl-d14

Concen: 8.418 ng

RT: 12.816 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133364.D

Acq: 11 May 2023 20:17

Instrument :

BNA_F

ClientSampleId :

NB-08-051023

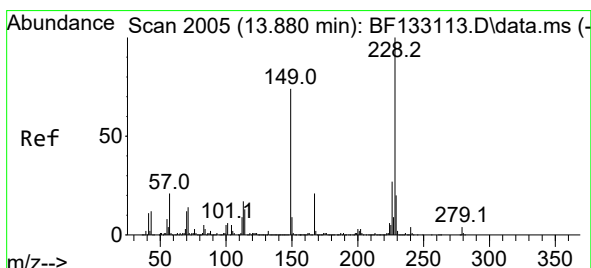
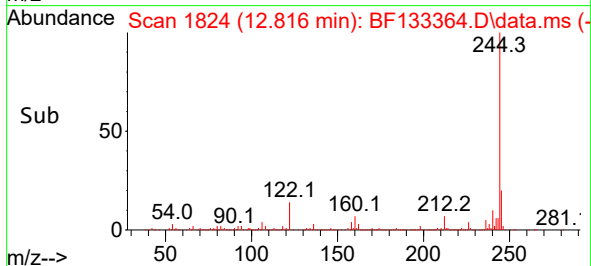
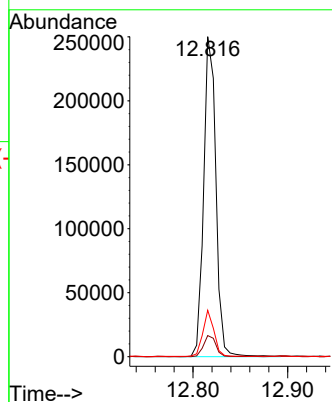
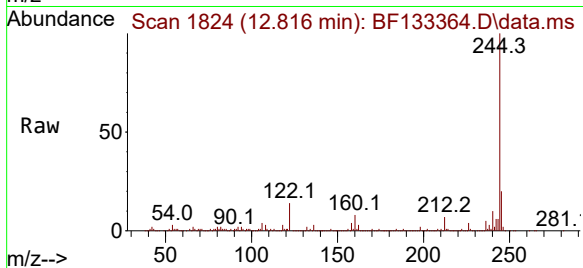
Tgt Ion:244 Resp: 223829

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 14.5 8.6 13.0#



#81

Benzo(a)anthracene

Concen: 6.832 ng

RT: 13.863 min Scan# 2002

Delta R.T. -0.006 min

Lab File: BF133364.D

Acq: 11 May 2023 20:17

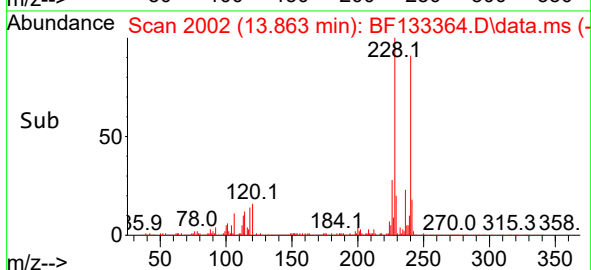
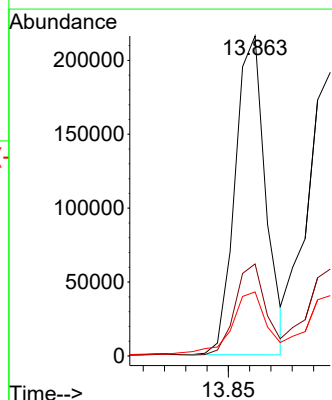
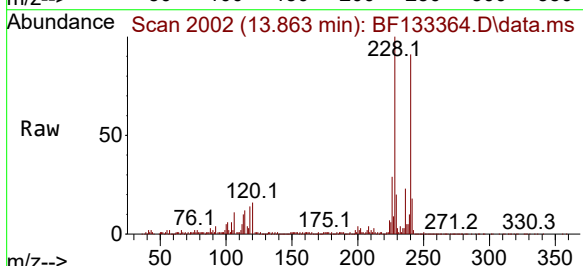
Tgt Ion:228 Resp: 215421

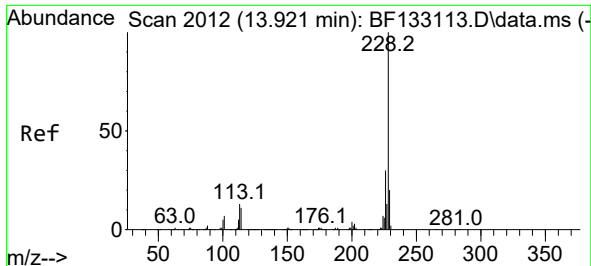
Ion Ratio Lower Upper

228 100

226 28.8 22.2 33.4

229 20.0 16.0 24.0

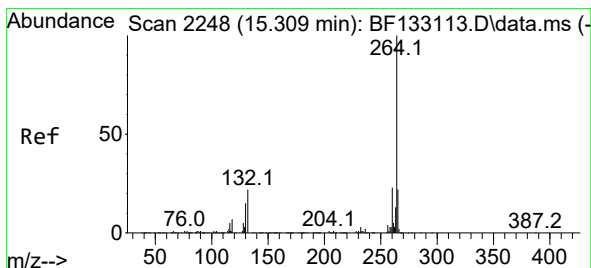
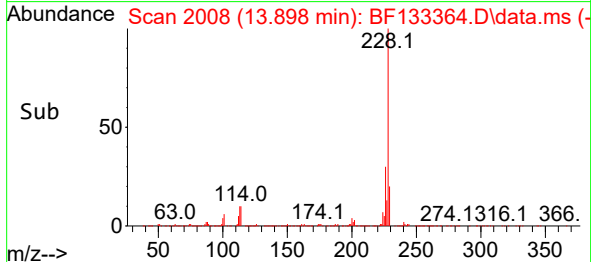
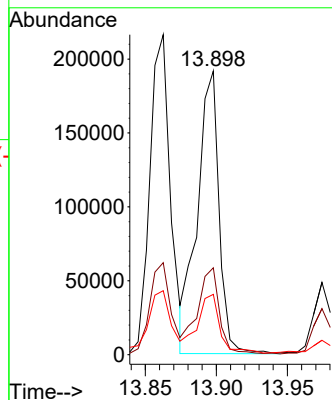
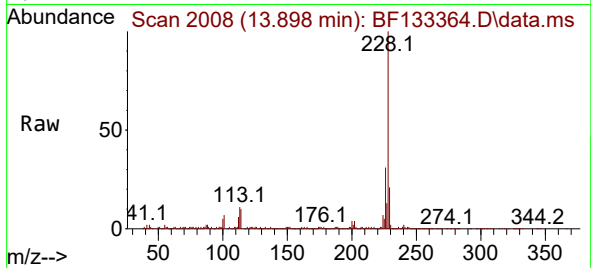




#83
Chrysene
Concen: 6.480 ng
RT: 13.898 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

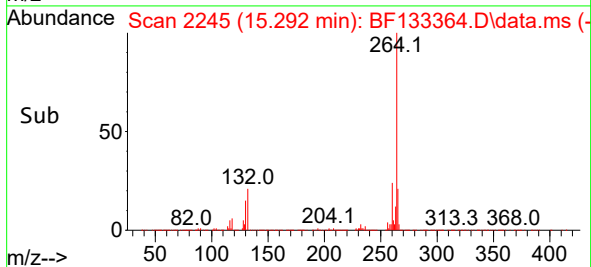
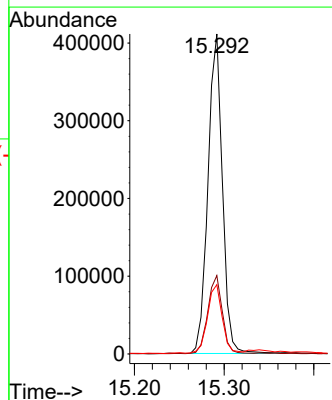
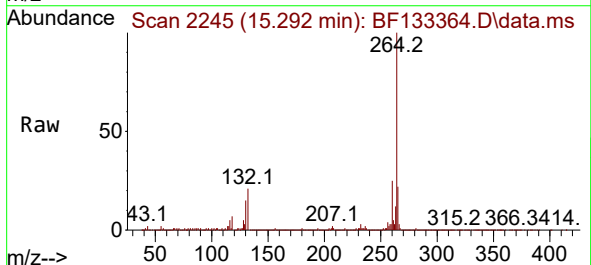
Instrument :
BNA_F
ClientSampleId :
NB-08-051023

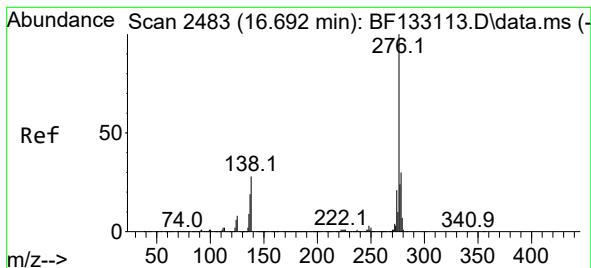
Tgt Ion:228 Resp: 204284
Ion Ratio Lower Upper
228 100
226 30.6 24.7 37.1
229 21.2 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2245
Delta R.T. 0.000 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

Tgt Ion:264 Resp: 459617
Ion Ratio Lower Upper
264 100
260 24.5 18.8 28.2
265 21.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.864 ng

RT: 16.662 min Scan# 24

Delta R.T. -0.018 min

Lab File: BF133364.D

Acq: 11 May 2023 20:17

Instrument :

BNA_F

ClientSampleId :

NB-08-051023

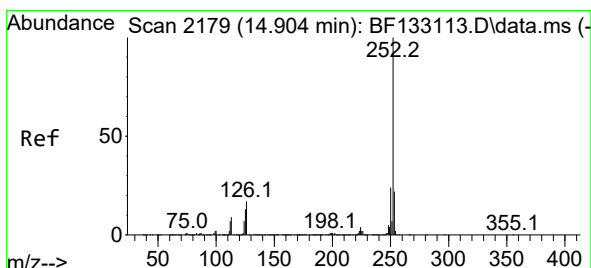
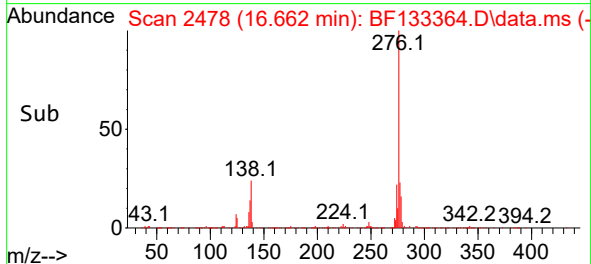
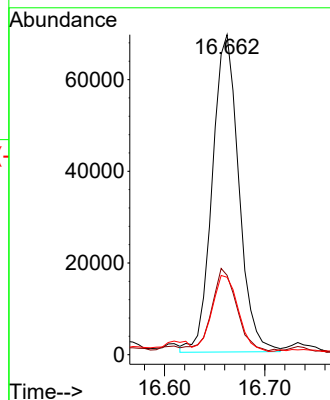
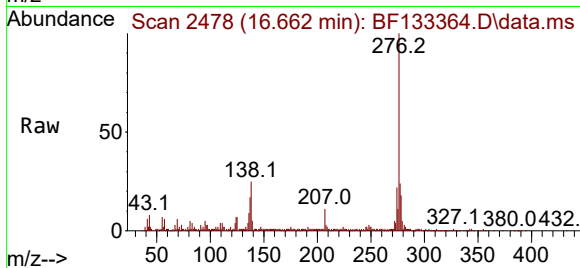
Tgt Ion:276 Resp: 127163

Ion Ratio Lower Upper

276 100

138 25.6 25.5 38.3

277 23.9 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 16.678 ng

RT: 14.886 min Scan# 2176

Delta R.T. -0.006 min

Lab File: BF133364.D

Acq: 11 May 2023 20:17

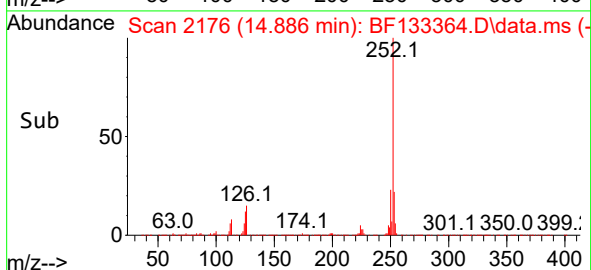
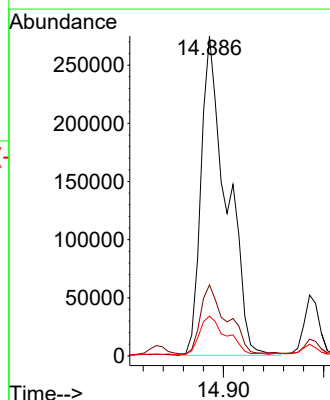
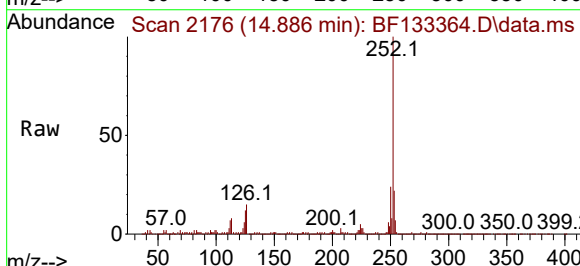
Tgt Ion:252 Resp: 487675

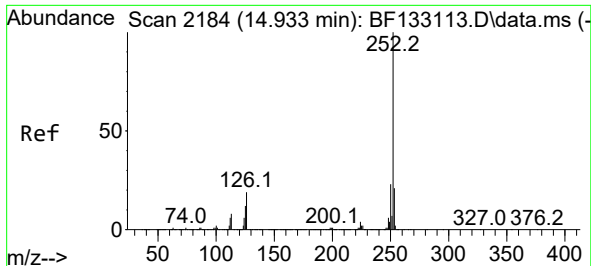
Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 12.4 8.9 13.3

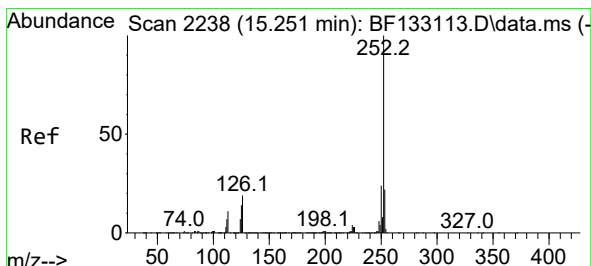
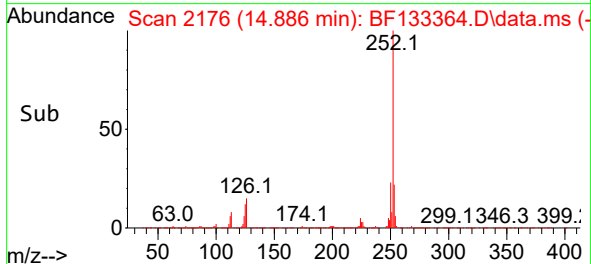
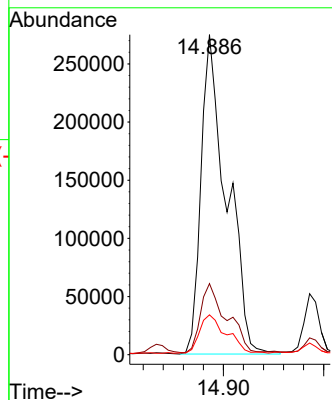
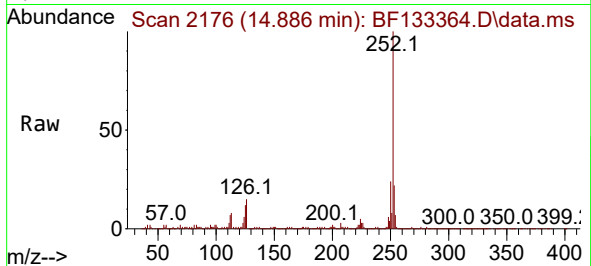




#89
Benzo(k)fluoranthene
Concen: 16.825 ng
RT: 14.886 min Scan# 2184
Delta R.T. -0.035 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

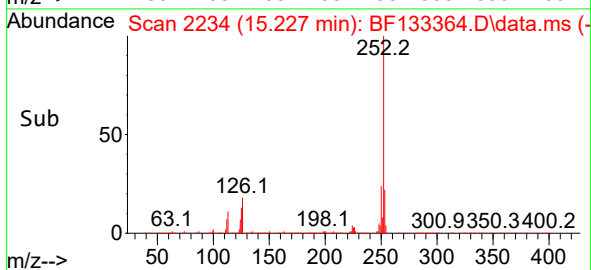
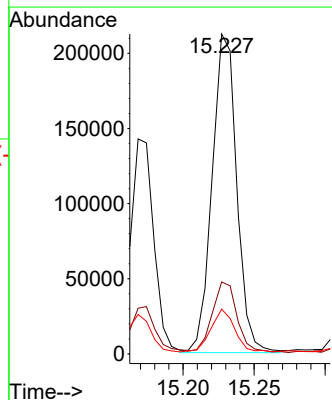
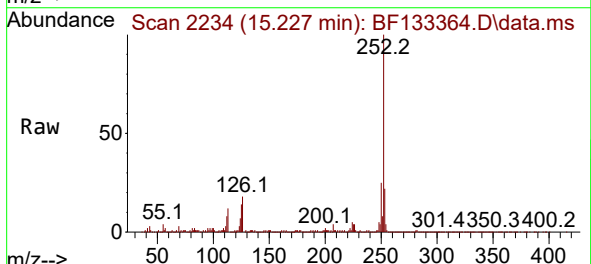
Instrument :
BNA_F
ClientSampleId :
NB-08-051023

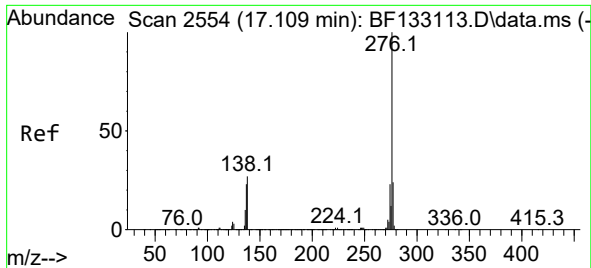
Tgt Ion:252 Resp: 487675
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 12.4 9.0 13.4



#90
Benzo(a)pyrene
Concen: 9.610 ng
RT: 15.227 min Scan# 2234
Delta R.T. -0.012 min
Lab File: BF133364.D
Acq: 11 May 2023 20:17

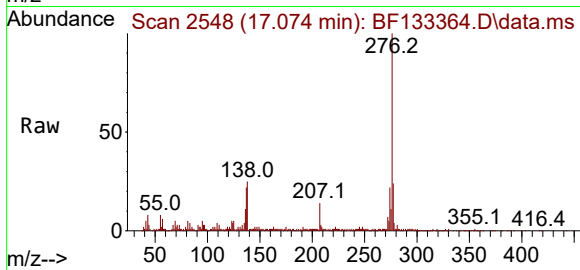
Tgt Ion:252 Resp: 255776
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 14.0 10.5 15.7





#92
 Benzo(g,h,i)perylene
 Concen: 5.432 ng
 RT: 17.074 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF133364.D
 Acq: 11 May 2023 20:17

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-051023



Tgt Ion:276 Resp: 116947
 Ion Ratio Lower Upper
 276 100
 277 24.2 19.4 29.0
 138 24.6 22.7 34.1

