

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131166.D
 Acq On : 11 Nov 2022 22:05
 Operator : CG\JU
 Sample : N5556-03 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RM-3

Quant Time: Nov 12 00:07:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 12 00:03:31 2022
 Response via : Initial Calibration

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

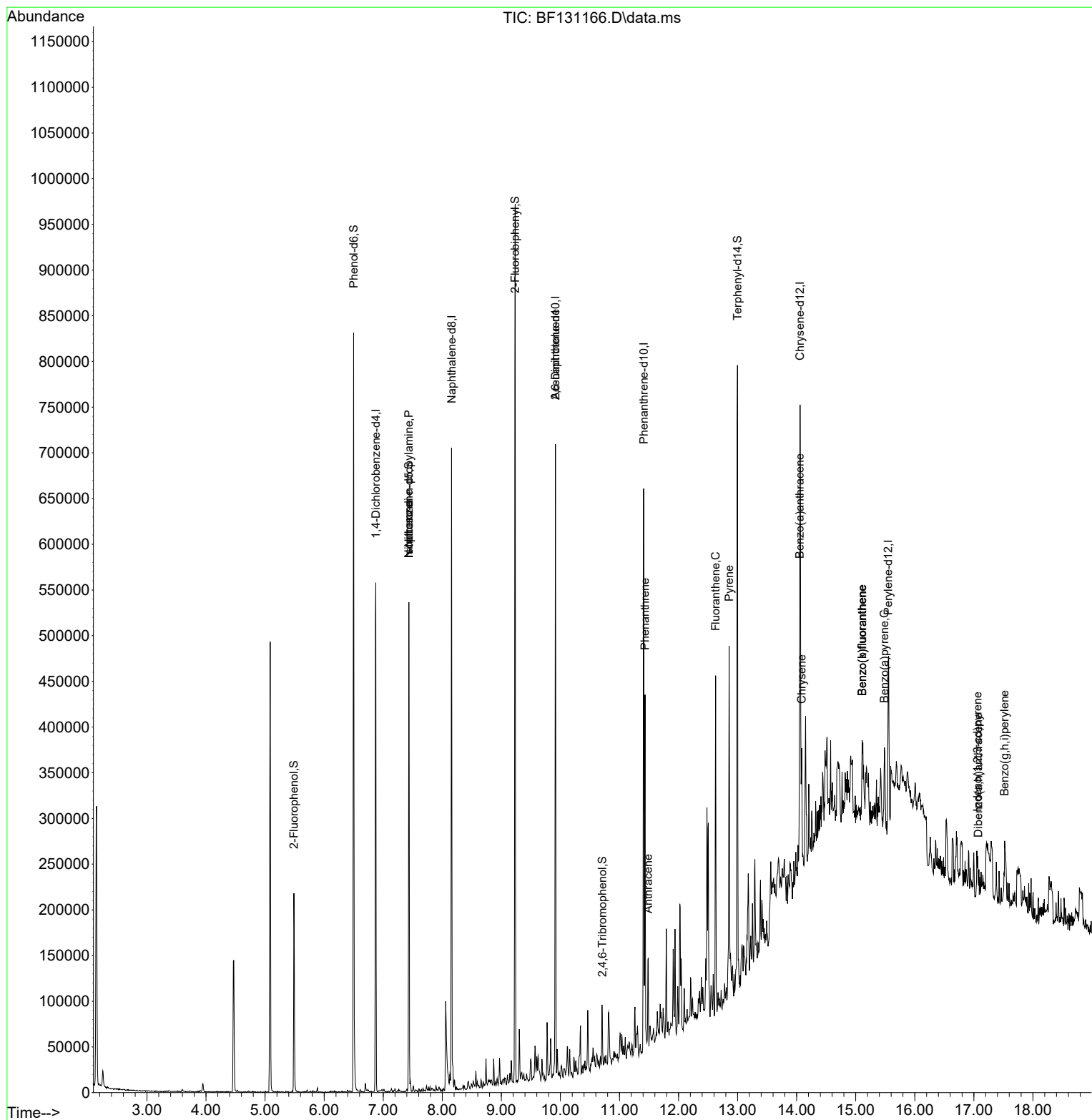
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	75290	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	233897	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	118321	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	196060	20.000	ng	0.00
76) Chrysene-d12	14.057	240	131252	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	82162	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	52344	11.823	ng	0.00
7) Phenol-d6	6.498	99	213682	36.918	ng	0.00
23) Nitrobenzene-d5	7.434	82	138342	26.686	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	5094	4.166	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	262717	30.996	ng	0.00
79) Terphenyl-d14	12.998	244	217071	28.997	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	19921	5.242	ng	# 78
25) Isophorone	7.434	82	138340	17.259	ng	# 68
51) 2,6-Dinitrotoluene	9.916	165	15634	8.452	ng	# 14
71) Phenanthrene	11.433	178	120585	11.183	ng	98
72) Anthracene	11.486	178	35681	3.409	ng	98
75) Fluoranthene	12.627	202	123380	11.431	ng	98
78) Pyrene	12.857	202	139215	12.363	ng	99
81) Benzo(a)anthracene	14.051	228	61355	6.540	ng	# 90
83) Chrysene	14.086	228	55702	6.287	ng	96
87) Indeno(1,2,3-cd)pyrene	17.062	276	20778	6.707	ng	# 94
88) Benzo(b)fluoranthene	15.110	252	61542	10.594	ng	# 84
89) Benzo(k)fluoranthene	15.110	252	61542	11.022	ng	# 85
90) Benzo(a)pyrene	15.486	252	36661	7.872	ng	# 93
91) Dibenzo(a,h)anthracene	17.074	278	7056	5.031	ng	# 55
92) Benzo(g,h,i)perylene	17.521	276	23196	8.015	ng	# 92

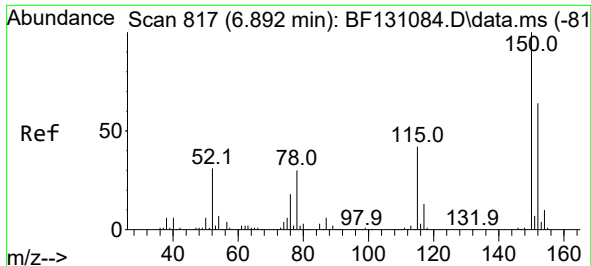
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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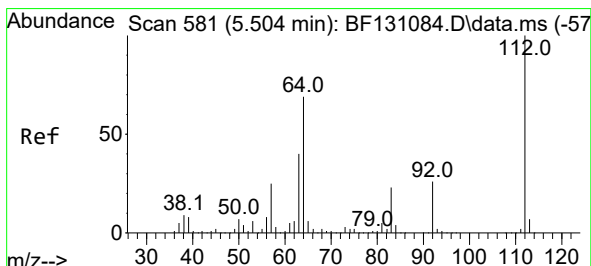
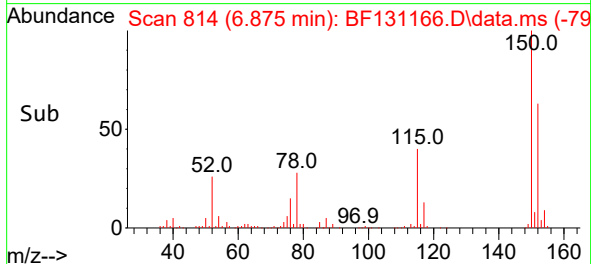
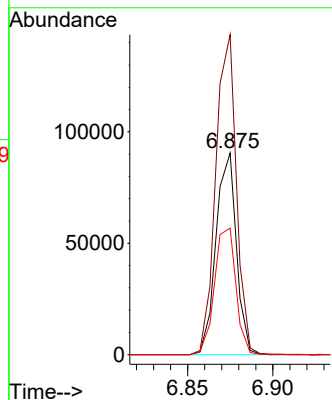
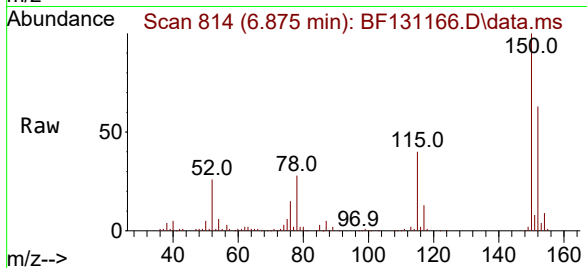




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BF131166.D
 Acq: 11 Nov 2022 22:05

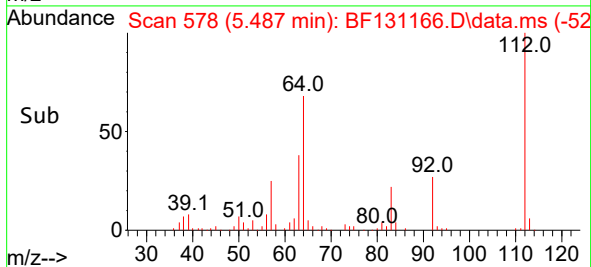
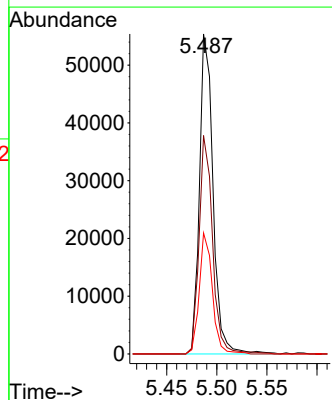
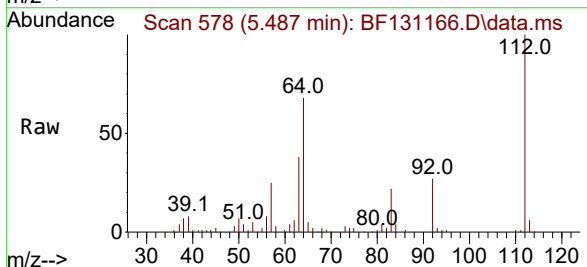
Instrument :
 BNA_F
 ClientSampleId :
 RM-3

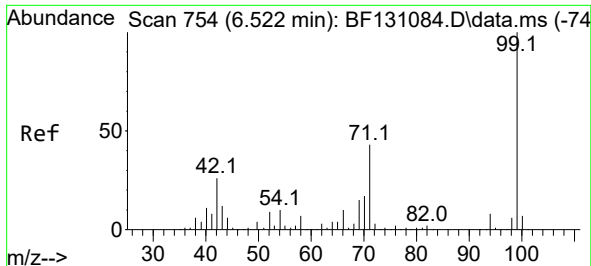
Tgt Ion:152 Resp: 75290
 Ion Ratio Lower Upper
 152 100
 150 158.6 125.5 188.3
 115 62.8 52.2 78.2



#5
 2-Fluorophenol
 Concen: 11.823 ng
 RT: 5.487 min Scan# 578
 Delta R.T. -0.000 min
 Lab File: BF131166.D
 Acq: 11 Nov 2022 22:05

Tgt Ion:112 Resp: 52344
 Ion Ratio Lower Upper
 112 100
 64 68.3 55.1 82.7
 63 37.8 32.4 48.6

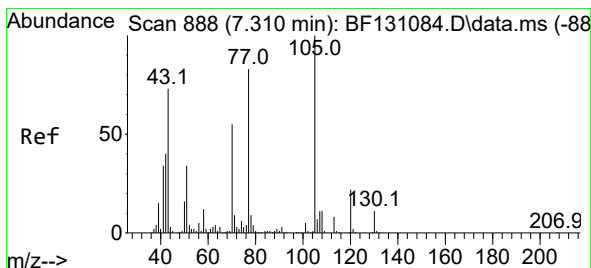
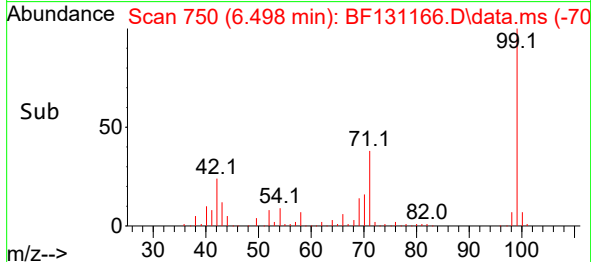
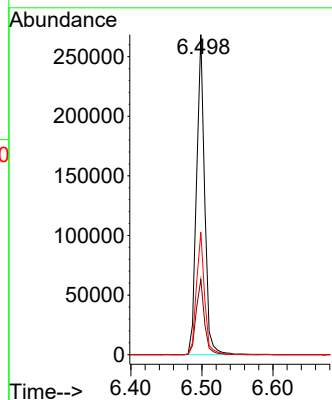
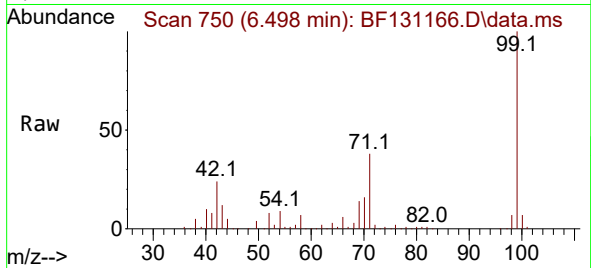




#7
Phenol-d6
Concen: 36.918 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

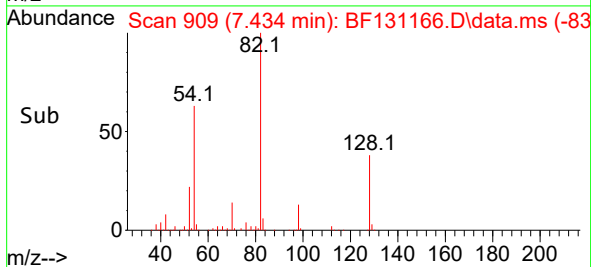
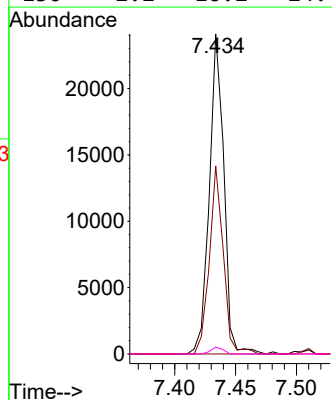
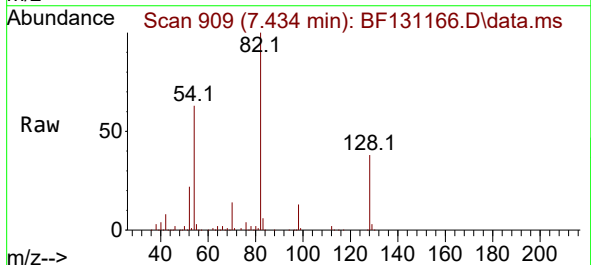
Instrument :
BNA_F
ClientSampleId :
RM-3

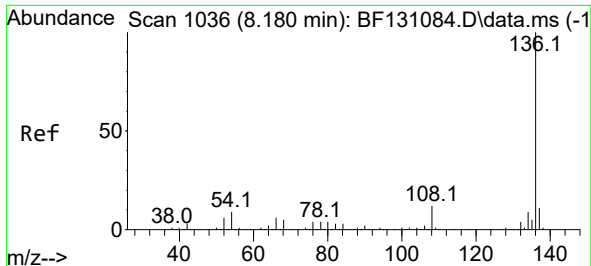
Tgt Ion: 99 Resp: 213682
Ion Ratio Lower Upper
99 100
42 23.5 20.8 31.2
71 38.3 34.2 51.4



#19
n-Nitroso-di-n-propylamine
Concen: 5.242 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

Tgt Ion: 70 Resp: 19921
Ion Ratio Lower Upper
70 100
42 58.8 58.3 87.5
101 0.0 7.4 11.2#
130 2.2 16.2 24.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF131166.D

Acq: 11 Nov 2022 22:05

Instrument :

BNA_F

ClientSampleId :

RM-3

Tgt Ion:136 Resp: 233897

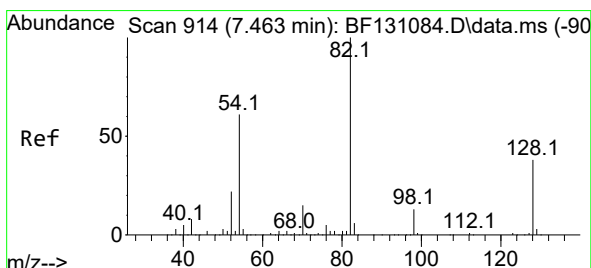
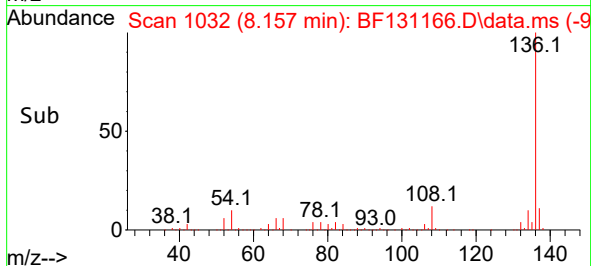
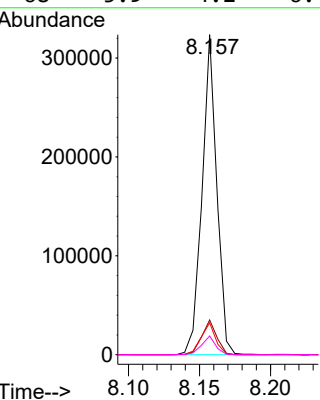
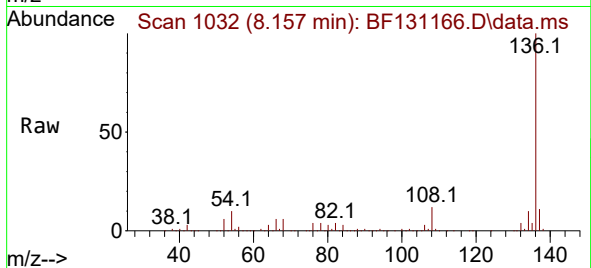
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 10.0 7.2 10.8

68 5.9 4.2 6.4



#23

Nitrobenzene-d5

Concen: 26.686 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF131166.D

Acq: 11 Nov 2022 22:05

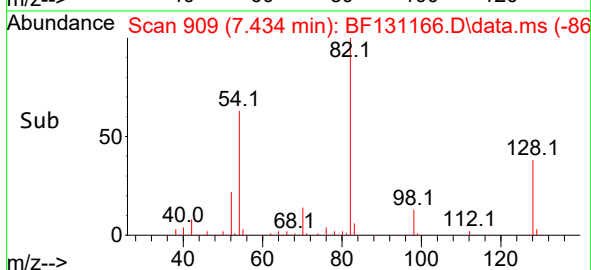
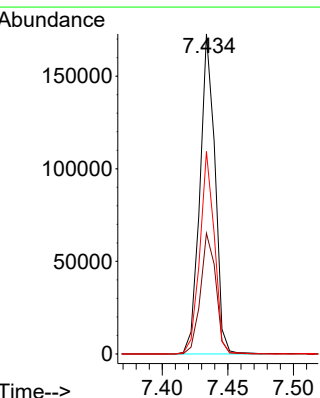
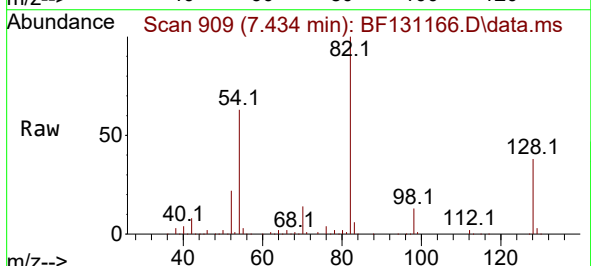
Tgt Ion: 82 Resp: 138342

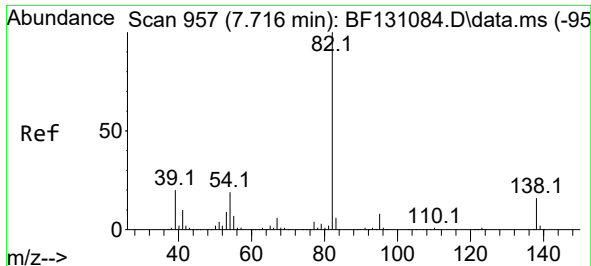
Ion Ratio Lower Upper

82 100

128 37.7 30.5 45.7

54 63.2 49.1 73.7

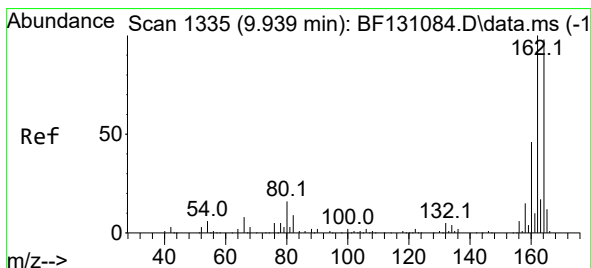
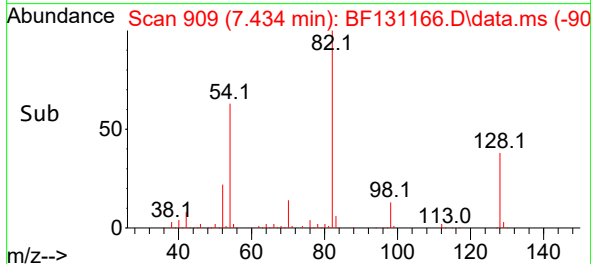
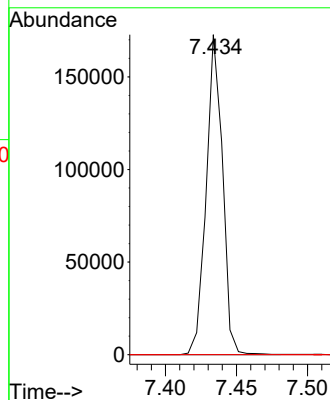
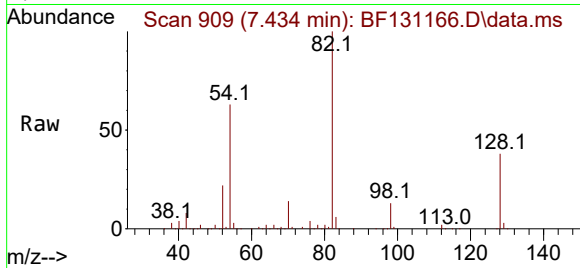




#25
Isophorone
Concen: 17.259 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

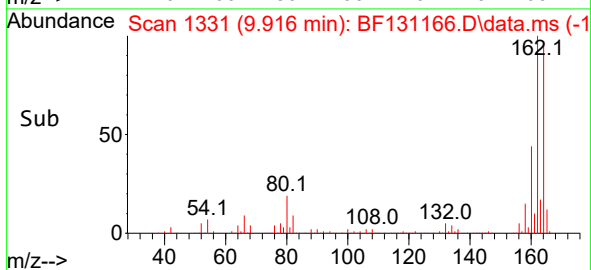
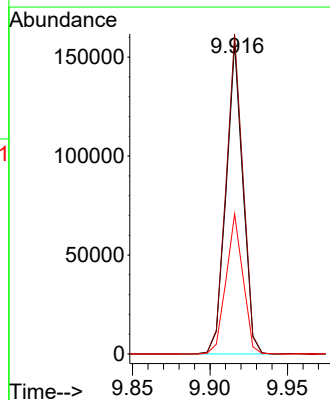
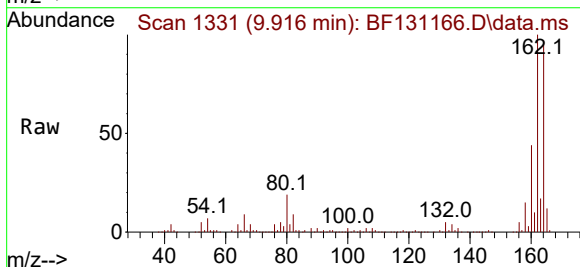
Instrument :
BNA_F
ClientSampleId :
RM-3

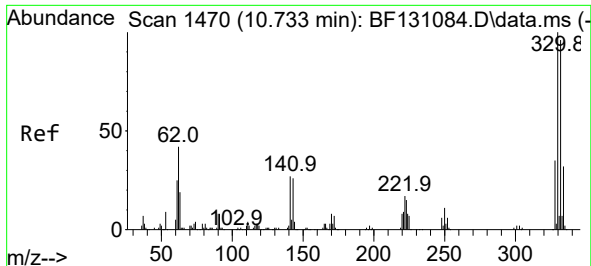
Tgt Ion: 82 Resp: 138340
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

Tgt Ion:164 Resp: 118321
Ion Ratio Lower Upper
164 100
162 103.0 81.7 122.5
160 45.1 37.4 56.2





#42

2,4,6-Tribromophenol

Concen: 4.166 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.000 min

Lab File: BF131166.D

Acq: 11 Nov 2022 22:05

Instrument :

BNA_F

ClientSampleId :

RM-3

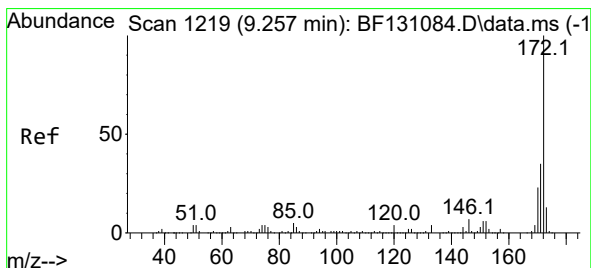
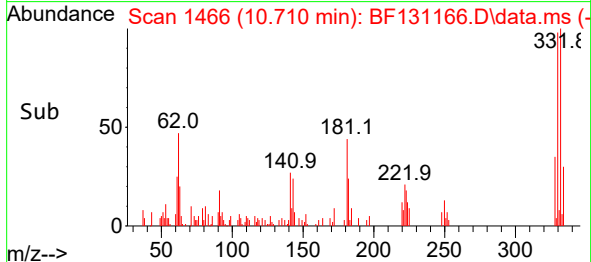
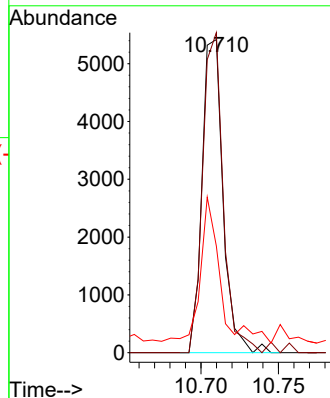
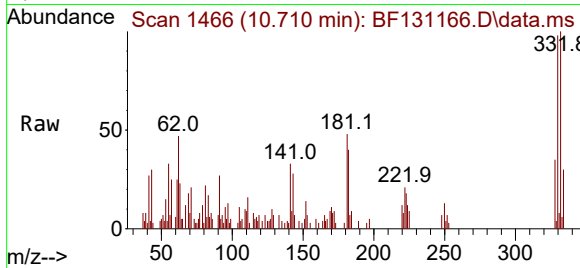
Tgt Ion:330 Resp: 5094

Ion Ratio Lower Upper

330 100

332 99.9 77.0 115.4

141 44.1 28.5 42.7#



#45

2-Fluorobiphenyl

Concen: 30.996 ng

RT: 9.234 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF131166.D

Acq: 11 Nov 2022 22:05

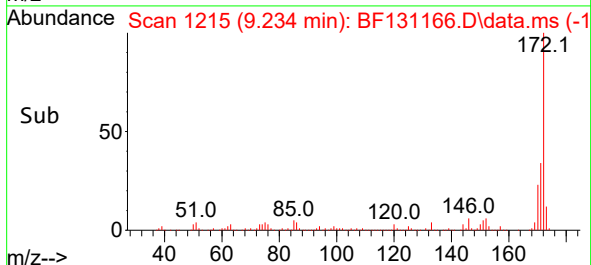
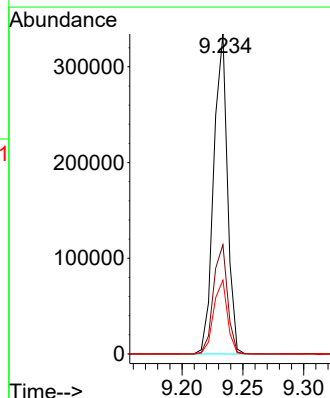
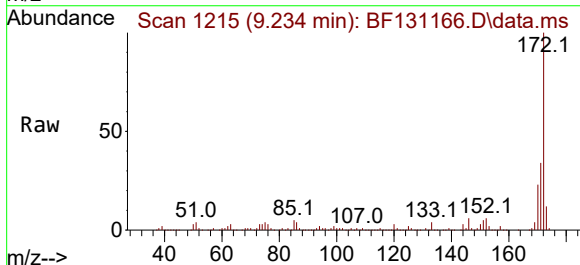
Tgt Ion:172 Resp: 262717

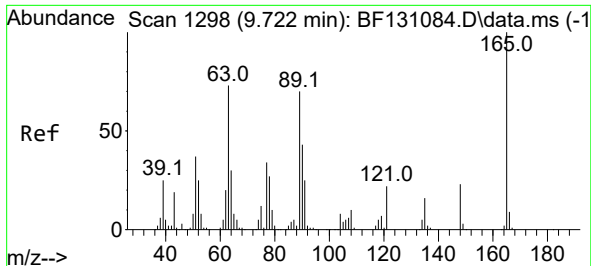
Ion Ratio Lower Upper

172 100

171 34.2 27.7 41.5

170 23.1 18.8 28.2

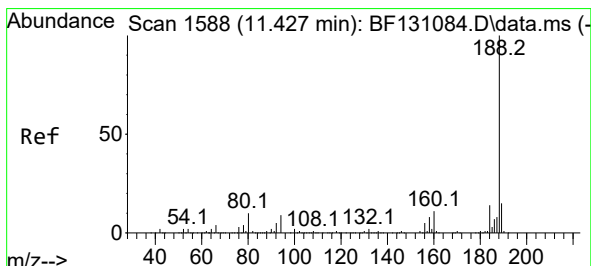
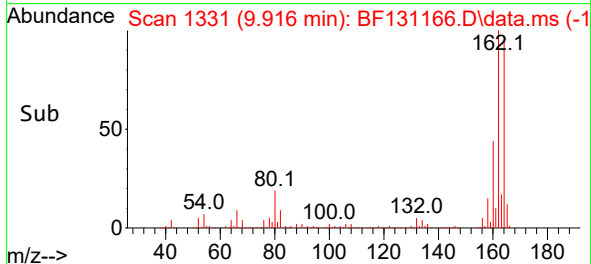
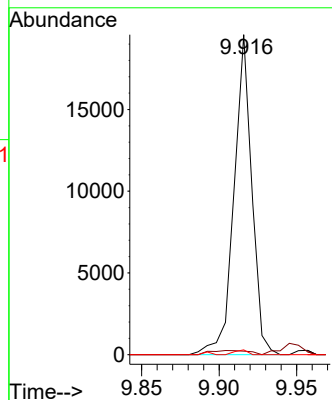
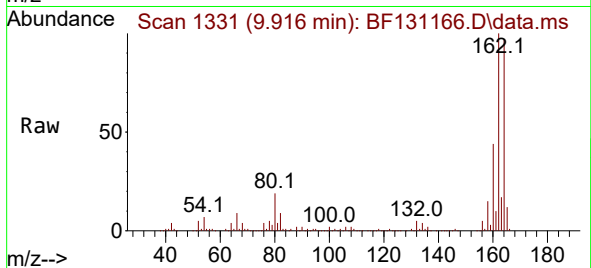




#51
2,6-Dinitrotoluene
Concen: 8.452 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

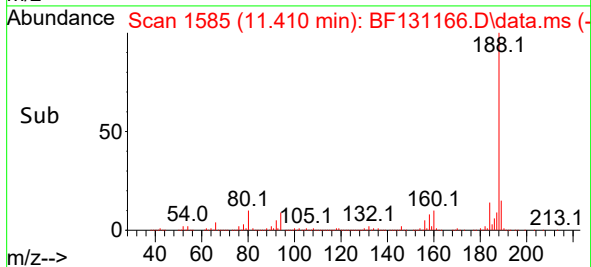
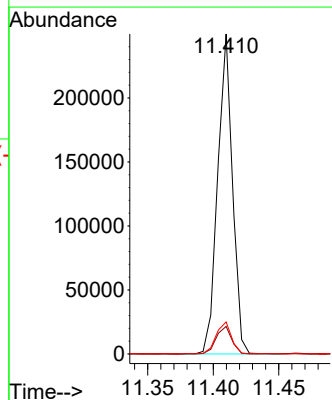
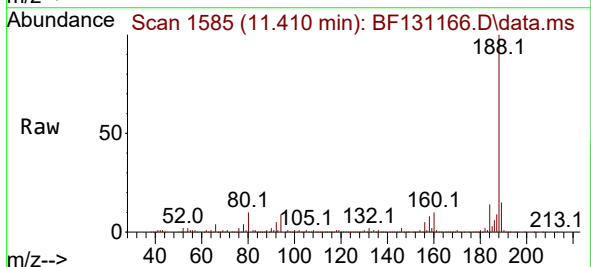
Instrument :
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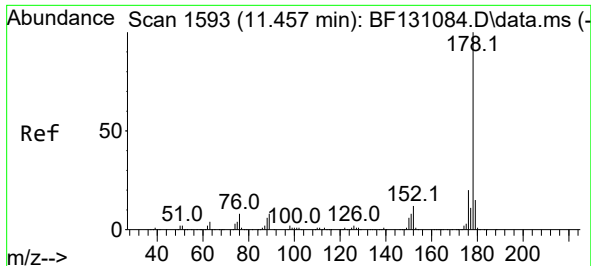
Tgt Ion:165 Resp: 15634
Ion Ratio Lower Upper
165 100
63 1.1 61.4 92.2#
89 1.5 56.0 84.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

Tgt Ion:188 Resp: 196060
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.6
80 10.0 7.9 11.9

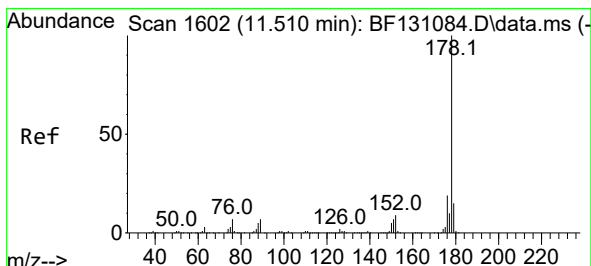
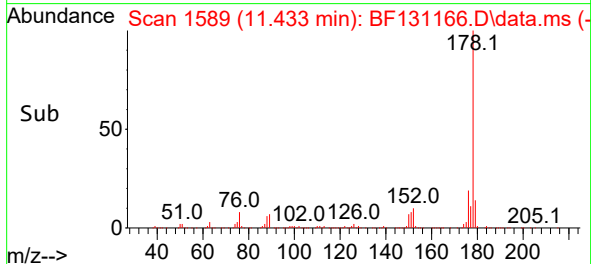
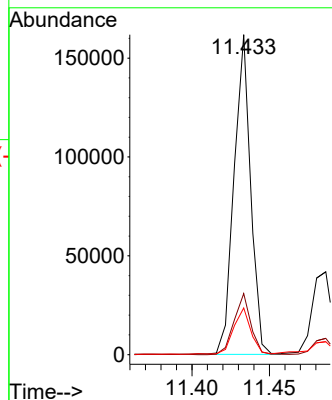
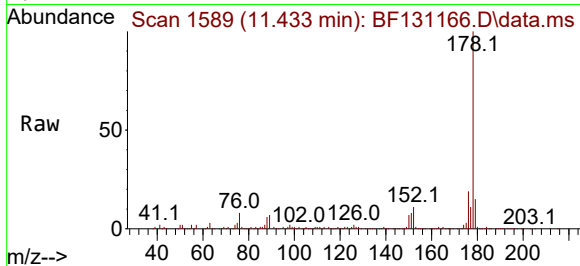




#71
Phenanthrene
Concen: 11.183 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

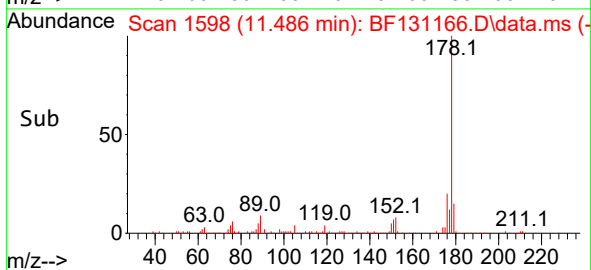
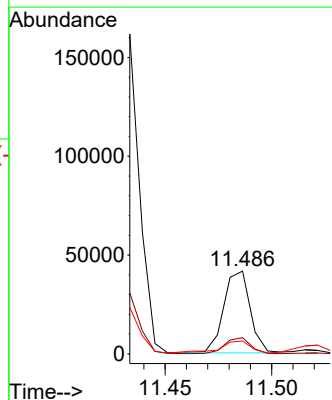
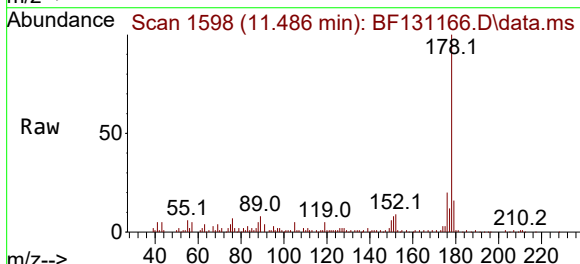
Instrument :
BNA_F
ClientSampleId :
RM-3

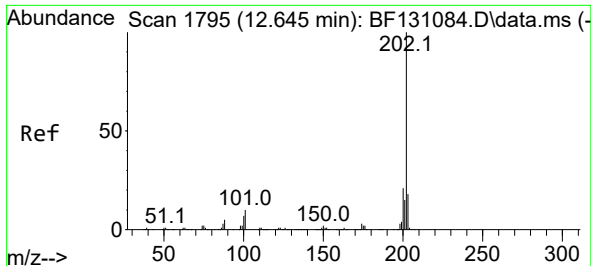
Tgt Ion:178 Resp: 120585
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 14.6 12.2 18.2



#72
Anthracene
Concen: 3.409 ng
RT: 11.486 min Scan# 1598
Delta R.T. -0.000 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

Tgt Ion:178 Resp: 35681
Ion Ratio Lower Upper
178 100
176 19.8 15.0 22.6
179 15.7 11.8 17.8

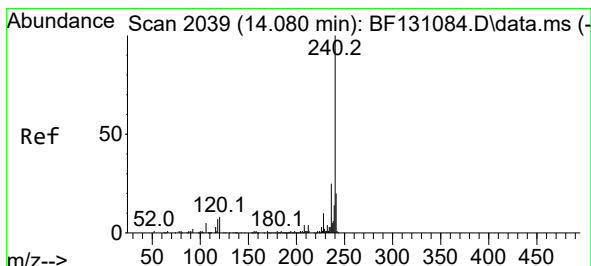
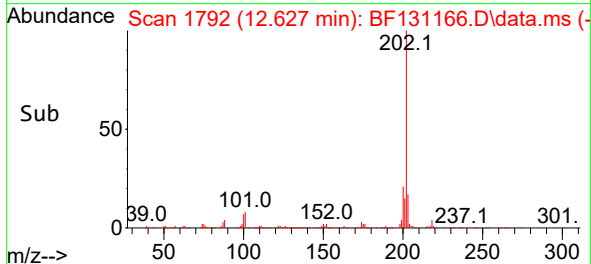
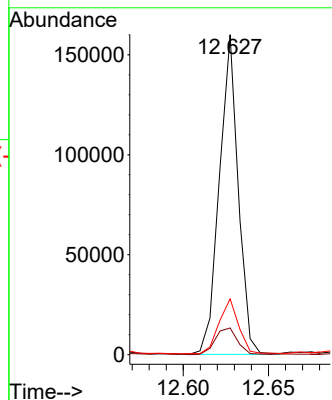
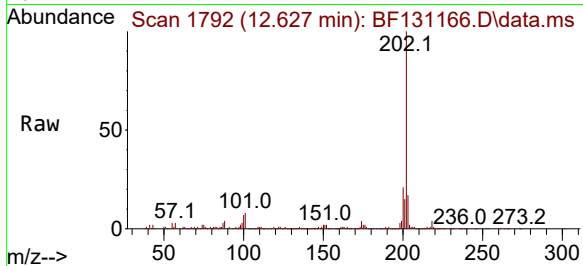




#75
Fluoranthene
Concen: 11.431 ng
RT: 12.627 min Scan# 1795
Delta R.T. -0.000 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

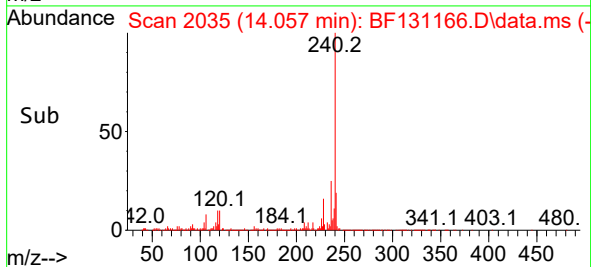
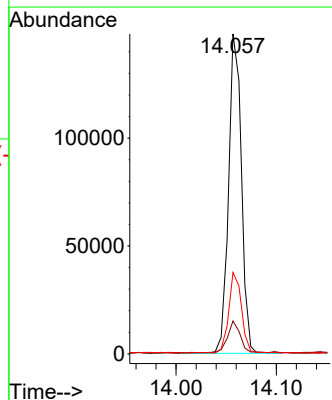
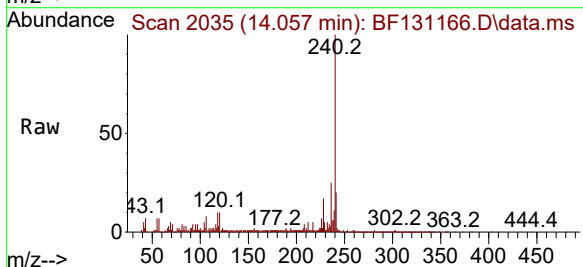
Instrument :
BNA_F
ClientSampleId :
RM-3

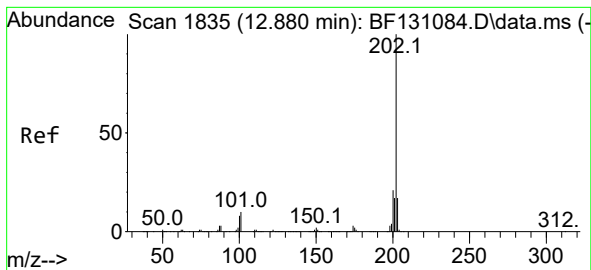
Tgt Ion:202 Resp: 123380
Ion Ratio Lower Upper
202 100
101 8.4 0.0 30.0
203 17.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.000 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

Tgt Ion:240 Resp: 131252
Ion Ratio Lower Upper
240 100
120 10.3 6.5 9.7#
236 25.4 19.7 29.5





#78

Pyrene

Concen: 12.363 ng

RT: 12.857 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF131166.D

Acq: 11 Nov 2022 22:05

Instrument :

BNA_F

ClientSampleId :

RM-3

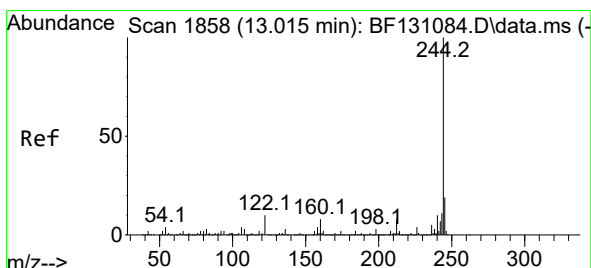
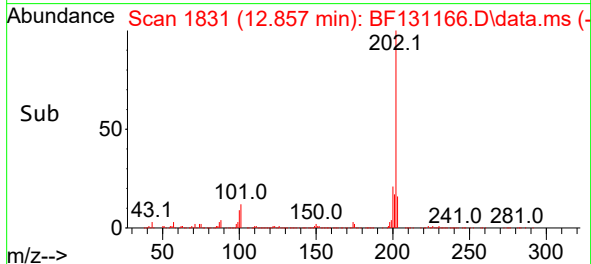
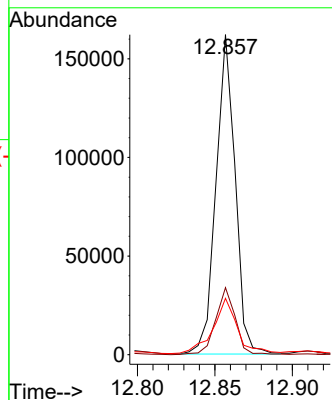
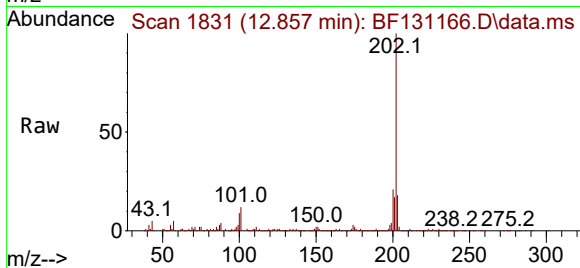
Tgt Ion:202 Resp: 139215

Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

203 17.6 13.6 20.4



#79

Terphenyl-d14

Concen: 28.997 ng

RT: 12.998 min Scan# 1855

Delta R.T. -0.000 min

Lab File: BF131166.D

Acq: 11 Nov 2022 22:05

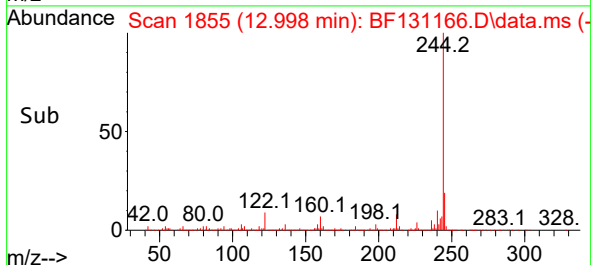
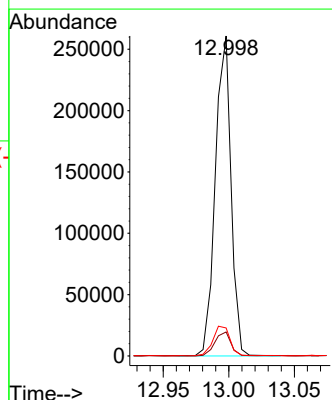
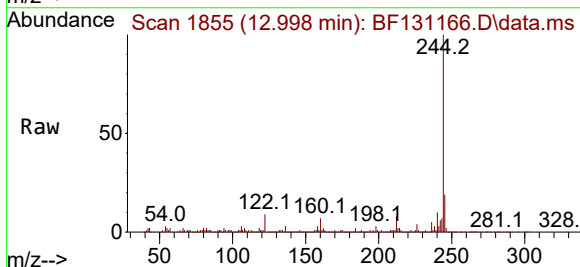
Tgt Ion:244 Resp: 217071

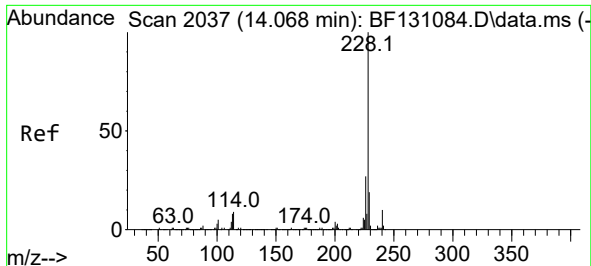
Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

122 8.7 7.8 11.8

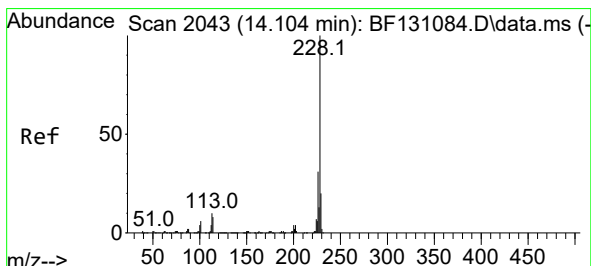
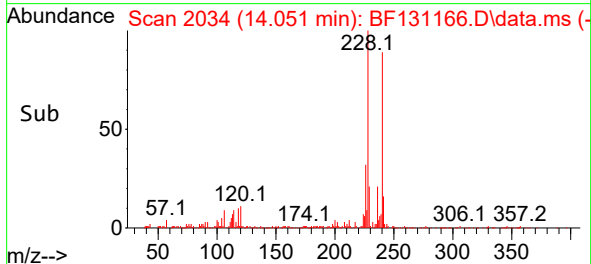
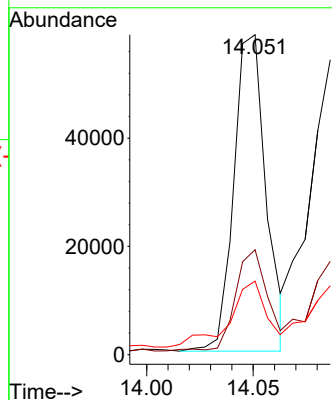
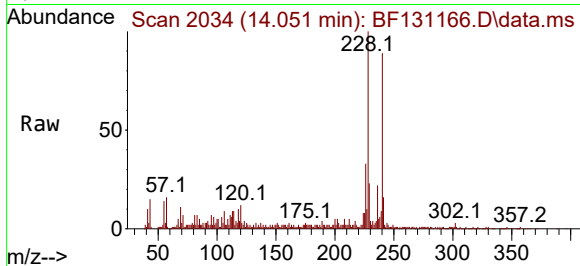




#81
Benzo(a)anthracene
Concen: 6.540 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

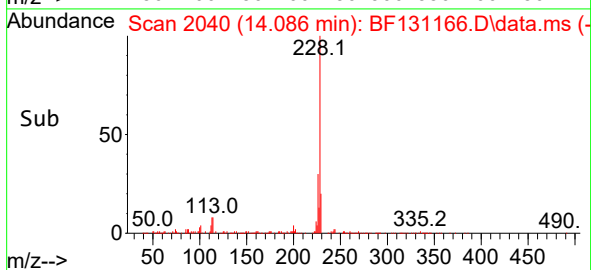
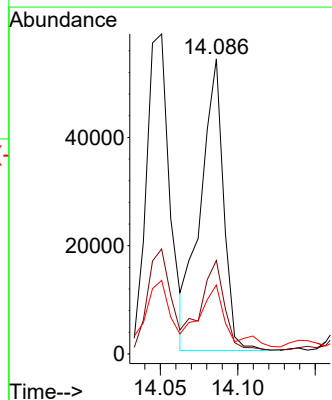
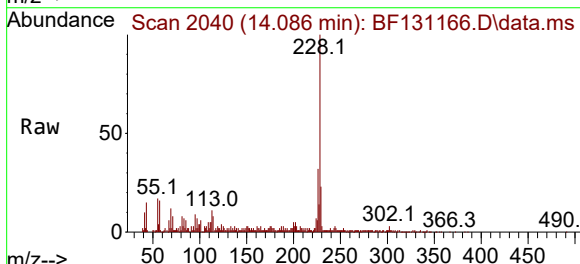
Instrument :
BNA_F
ClientSampleId :
RM-3

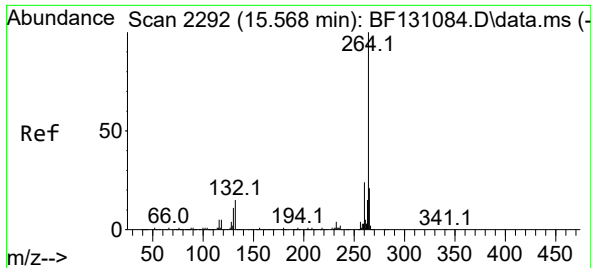
Tgt Ion:228 Resp: 61355
Ion Ratio Lower Upper
228 100
226 32.8 21.8 32.6#
229 23.0 15.4 23.2



#83
Chrysene
Concen: 6.287 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.000 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

Tgt Ion:228 Resp: 55702
Ion Ratio Lower Upper
228 100
226 31.7 24.4 36.6
229 23.3 15.8 23.6

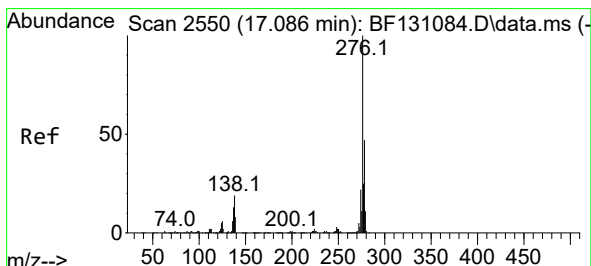
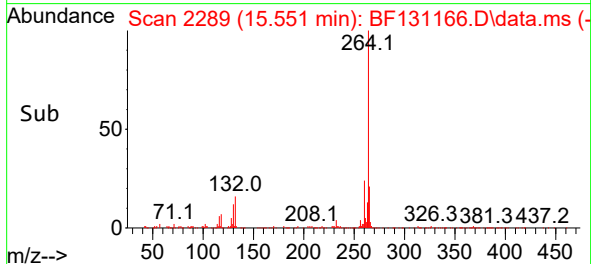
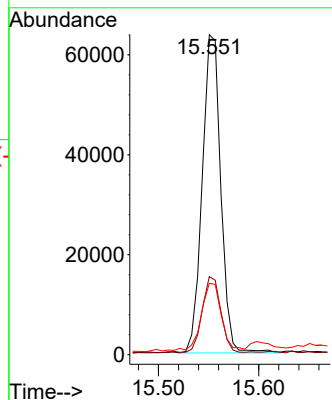
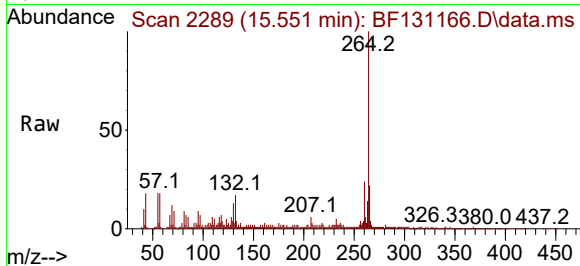




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

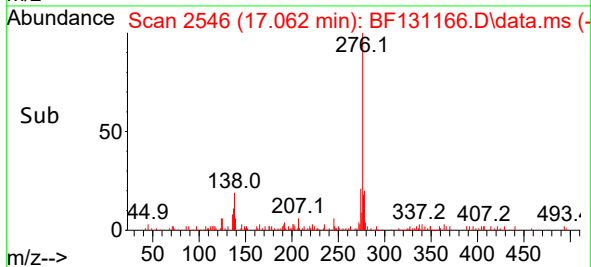
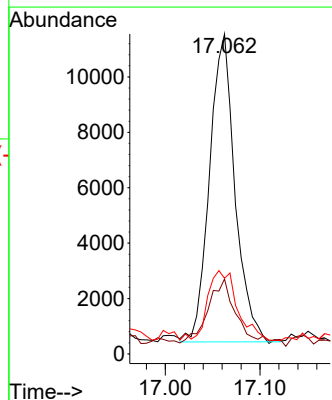
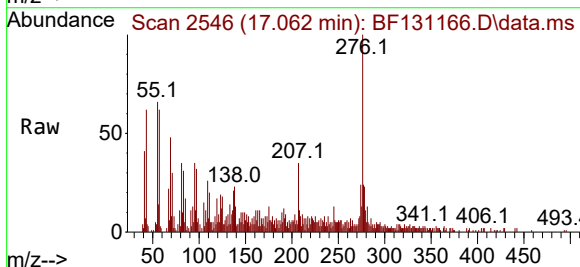
Instrument :
BNA_F
ClientSampleId :
RM-3

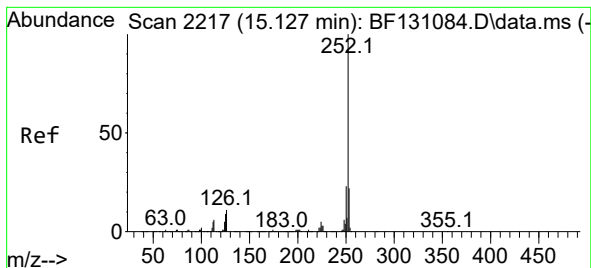
Tgt Ion:264 Resp: 82162
Ion Ratio Lower Upper
264 100
260 24.4 19.1 28.7
265 22.3 16.7 25.1



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.707 ng
RT: 17.062 min Scan# 2546
Delta R.T. 0.006 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

Tgt Ion:276 Resp: 20778
Ion Ratio Lower Upper
276 100
138 26.1 16.9 25.3#
277 26.1 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 10.594 ng

RT: 15.110 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF131166.D

Acq: 11 Nov 2022 22:05

Instrument :

BNA_F

ClientSampleId :

RM-3

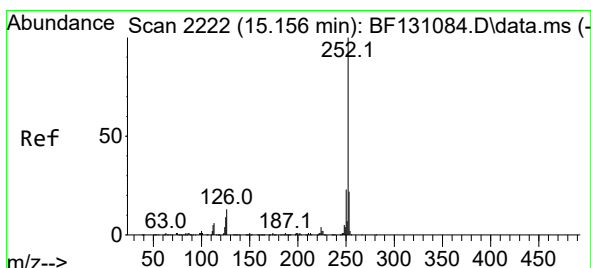
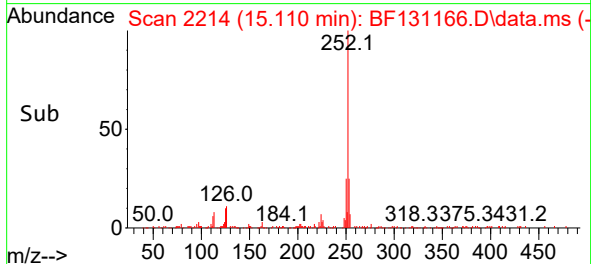
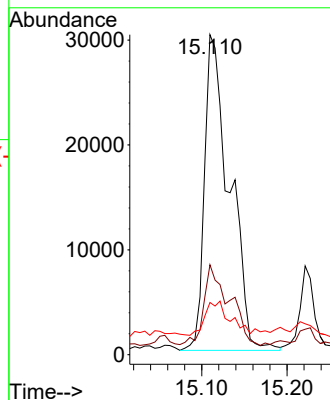
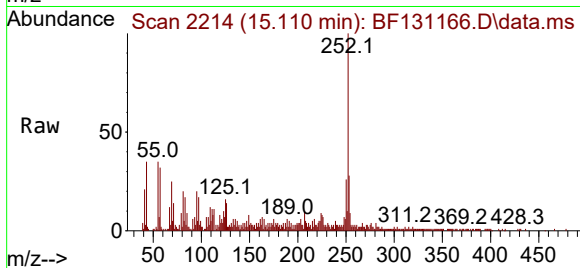
Tgt Ion:252 Resp: 61542

Ion Ratio Lower Upper

252 100

253 28.1 17.3 25.9#

125 16.3 7.2 10.8#



#89

Benzo(k)fluoranthene

Concen: 11.022 ng

RT: 15.110 min Scan# 2214

Delta R.T. -0.029 min

Lab File: BF131166.D

Acq: 11 Nov 2022 22:05

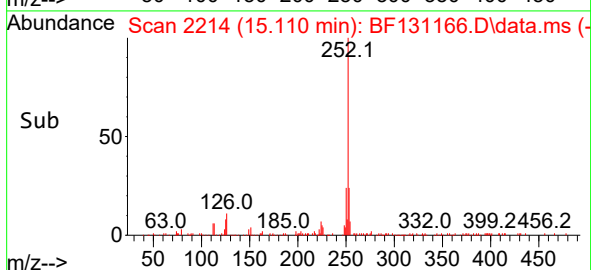
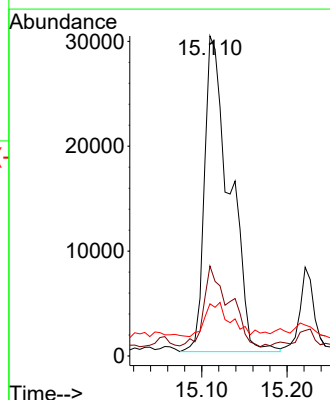
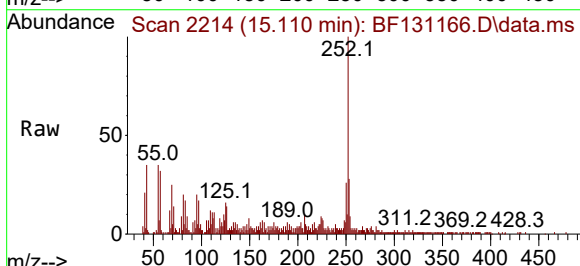
Tgt Ion:252 Resp: 61542

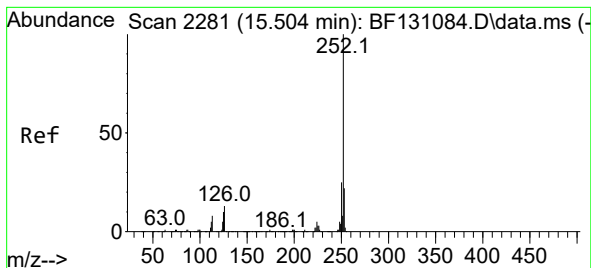
Ion Ratio Lower Upper

252 100

253 28.1 17.6 26.4#

125 16.3 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 7.872 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF131166.D

Acq: 11 Nov 2022 22:05

Instrument :

BNA_F

ClientSampleId :

RM-3

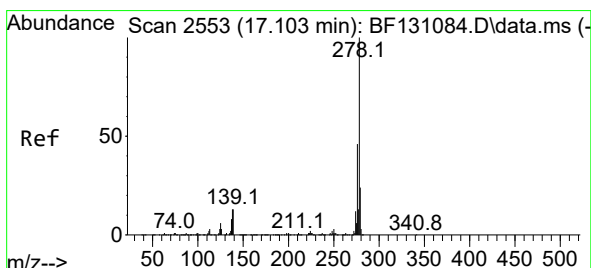
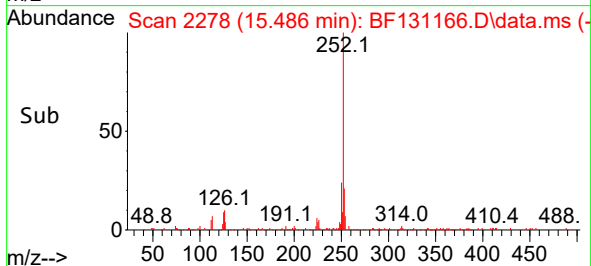
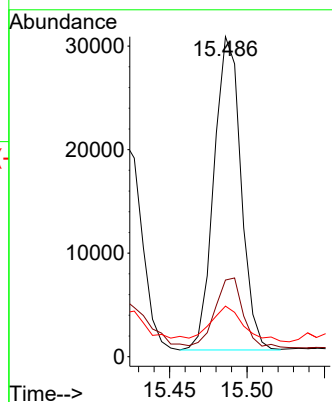
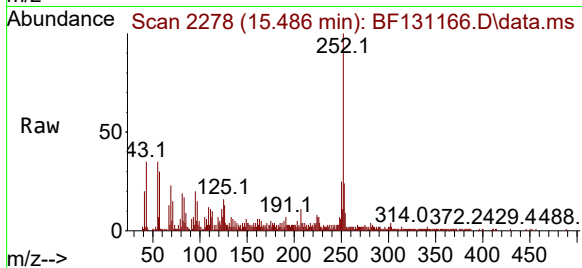
Tgt Ion:252 Resp: 36661

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.8

125 15.8 8.1 12.1#



#91

Dibenzo(a,h)anthracene

Concen: 5.031 ng

RT: 17.074 min Scan# 2548

Delta R.T. -0.000 min

Lab File: BF131166.D

Acq: 11 Nov 2022 22:05

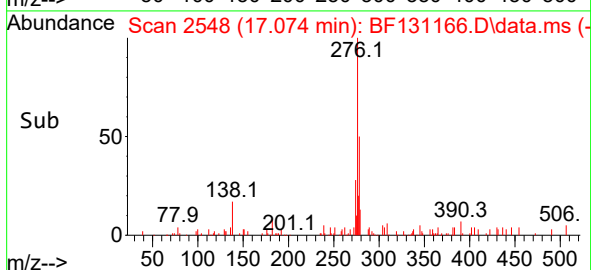
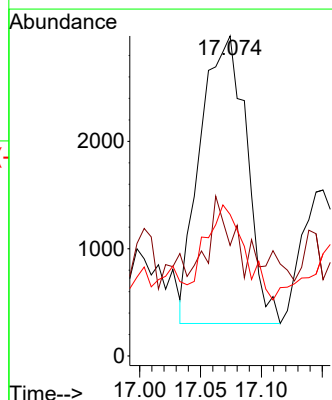
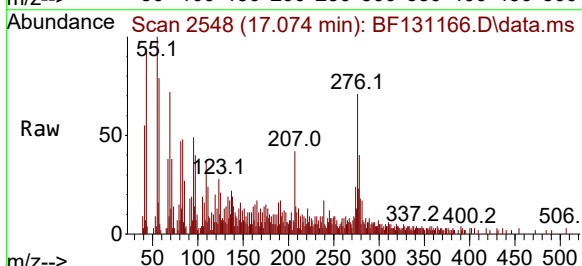
Tgt Ion:278 Resp: 7056

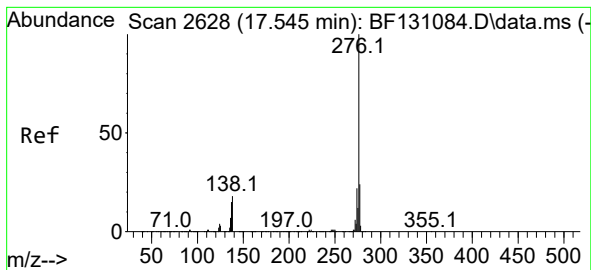
Ion Ratio Lower Upper

278 100

139 34.6 10.8 16.2#

279 44.2 19.2 28.8#





#92

Benzo(g,h,i)perylene

Concen: 8.015 ng

RT: 17.521 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF131166.D

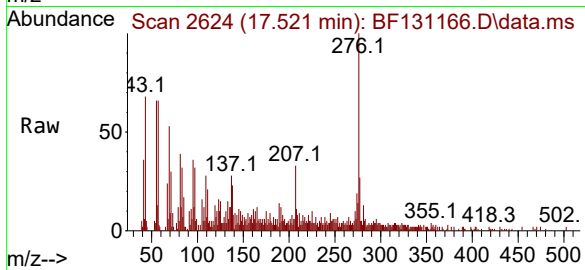
Acq: 11 Nov 2022 22:05

Instrument :

BNA_F

ClientSampleId :

RM-3



Tgt Ion:276 Resp: 23196

Ion Ratio Lower Upper

276 100

277 26.9 19.0 28.4

138 22.5 14.6 21.8#

