

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131172.D
 Acq On : 12 Nov 2022 01:27
 Operator : CG\JU
 Sample : N5556-09 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RM-9

Quant Time: Nov 12 01:52:51 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)

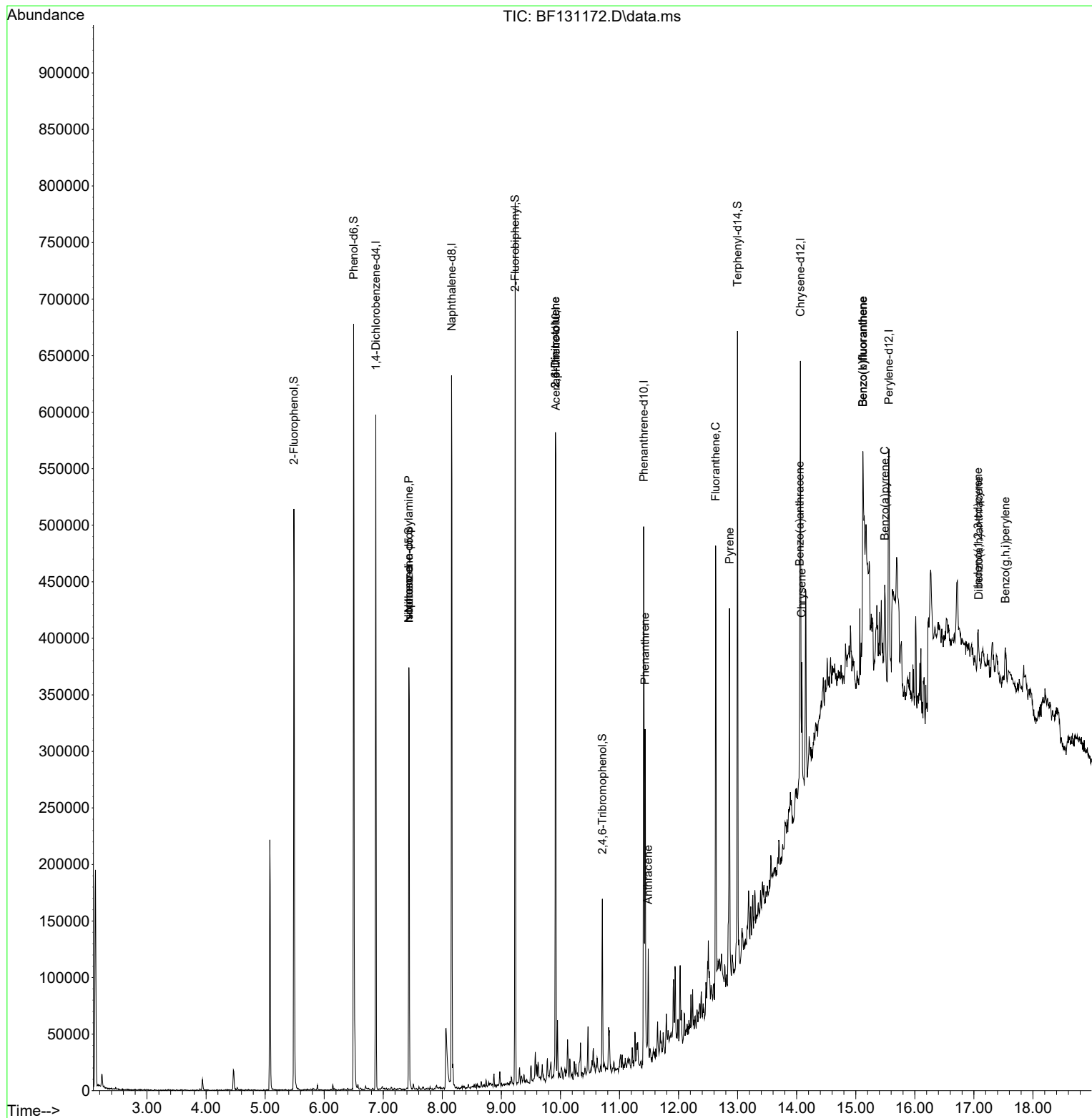
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	74166	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	250973	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	113428	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	164742	20.000	ng	0.00
76) Chrysene-d12	14.063	240	106703	20.000	ng	0.00
86) Perylene-d12	15.562	264	84764	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	127632	29.266	ng	0.00
7) Phenol-d6	6.498	99	188766	33.107	ng	0.00
23) Nitrobenzene-d5	7.434	82	108825	19.564	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	14287	12.188	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	193477	23.812	ng	0.00
79) Terphenyl-d14	12.998	244	160931	26.444	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	15016	4.011	ng	# 79
25) Isophorone	7.434	82	108823	12.653	ng	# 68
51) 2,6-Dinitrotoluene	9.916	165	15189	8.566	ng	# 16
57) 2,4-Dinitrotoluene	9.916	165	15189	6.444	ng	# 18
71) Phenanthrene	11.433	178	100263	11.066	ng	99
72) Anthracene	11.486	178	31603	3.594	ng	97
75) Fluoranthene	12.627	202	149743	16.510	ng	97
78) Pyrene	12.863	202	123019	13.438	ng	100
81) Benzo(a)anthracene	14.051	228	49265	6.459	ng	98
83) Chrysene	14.086	228	41771	5.799	ng	98
87) Indeno(1,2,3-cd)pyrene	17.068	276	23135	6.932	ng	95
88) Benzo(b)fluoranthene	15.121	252	69593	11.613	ng	# 85
89) Benzo(k)fluoranthene	15.121	252	69593	12.082	ng	# 86
90) Benzo(a)pyrene	15.492	252	31166	6.487	ng	# 86
91) Dibenzo(a,h)anthracene	17.080	278	6518	4.906	ng	# 45
92) Benzo(g,h,i)perylene	17.533	276	23610	7.966	ng	# 82

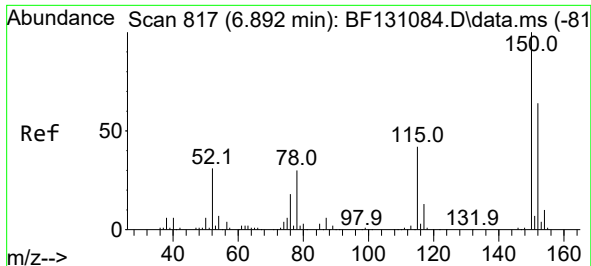
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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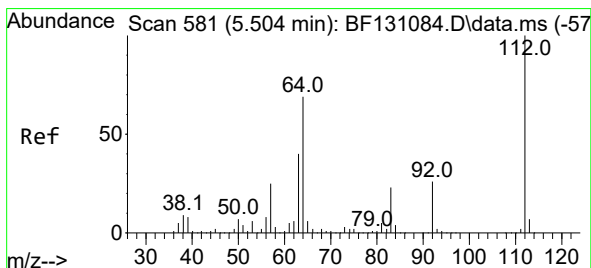
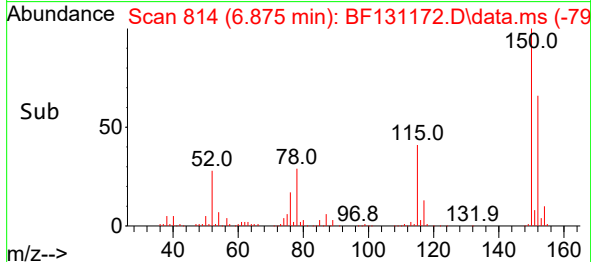
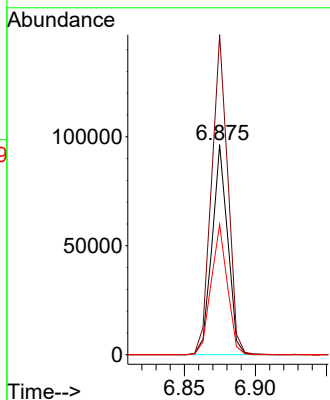
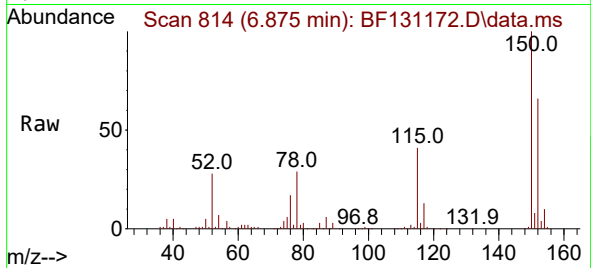




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BF131172.D
 Acq: 12 Nov 2022 01:27

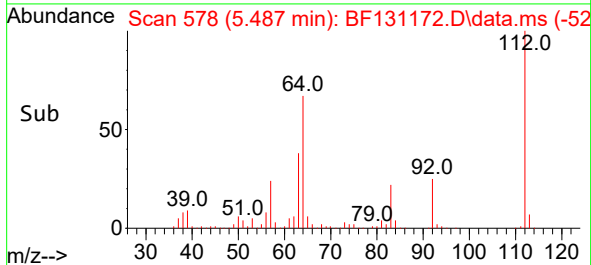
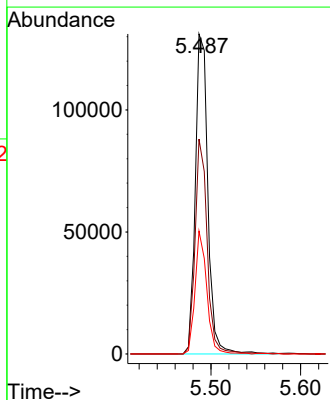
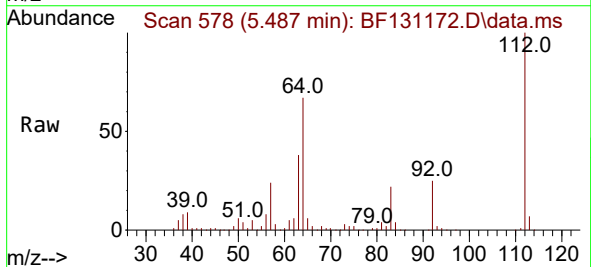
Instrument :
 BNA_F
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 RM-9

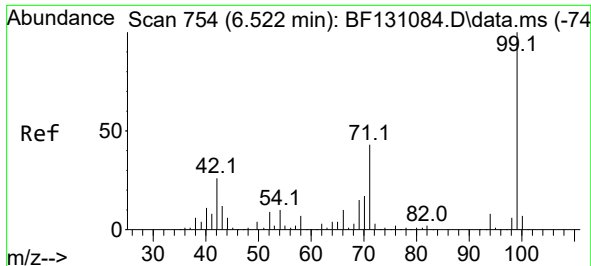
Tgt Ion:152 Resp: 74166
 Ion Ratio Lower Upper
 152 100
 150 152.3 125.5 188.3
 115 62.0 52.2 78.2



#5
 2-Fluorophenol
 Concen: 29.266 ng
 RT: 5.487 min Scan# 578
 Delta R.T. -0.000 min
 Lab File: BF131172.D
 Acq: 12 Nov 2022 01:27

Tgt Ion:112 Resp: 127632
 Ion Ratio Lower Upper
 112 100
 64 67.2 55.1 82.7
 63 38.4 32.4 48.6

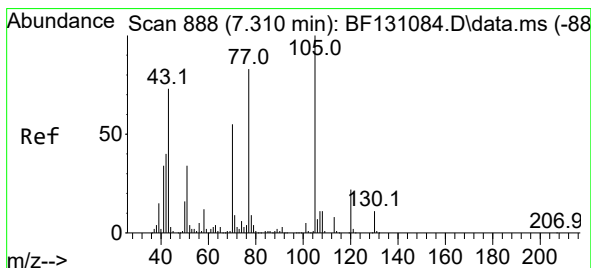
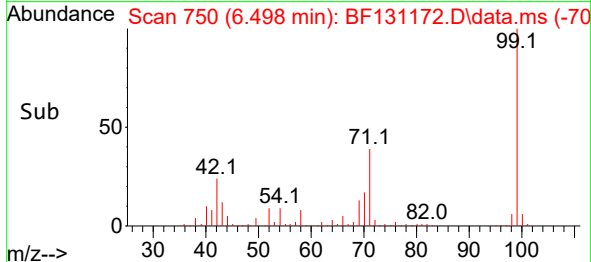
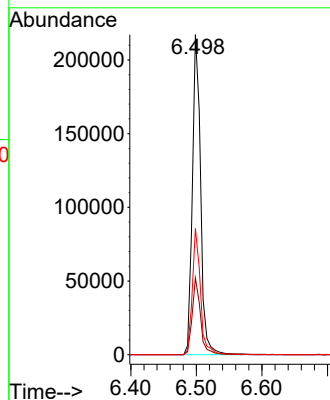
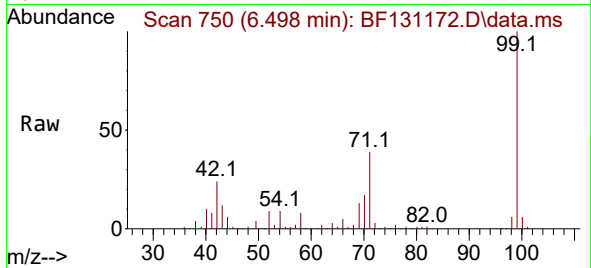




#7
Phenol-d6
Concen: 33.107 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27

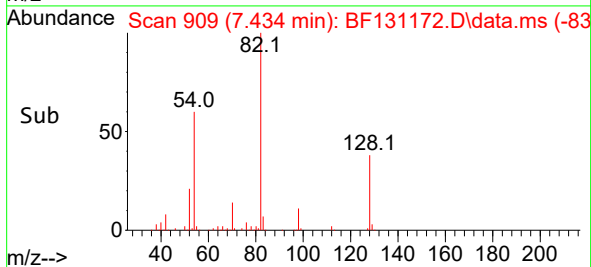
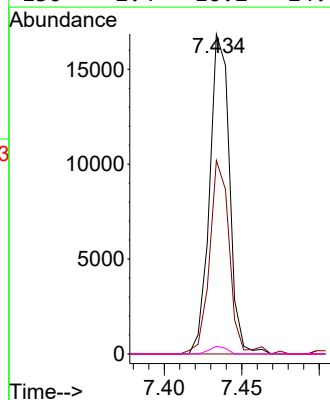
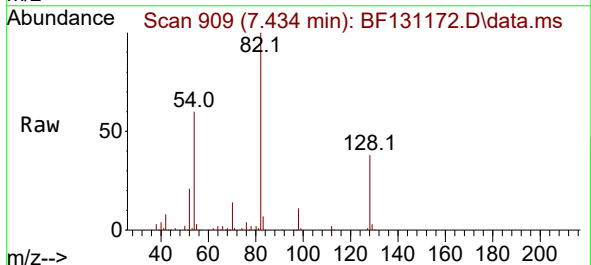
Instrument :
BNA_F
ClientSampleId :
RM-9

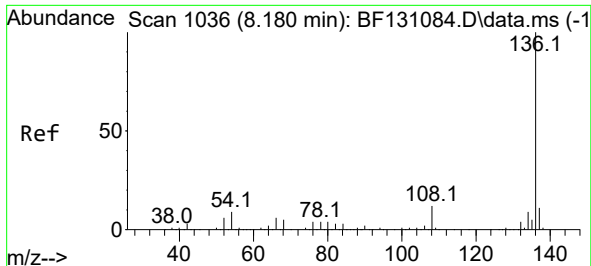
Tgt Ion: 99 Resp: 188766
Ion Ratio Lower Upper
99 100
42 24.0 20.8 31.2
71 39.4 34.2 51.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.011 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27

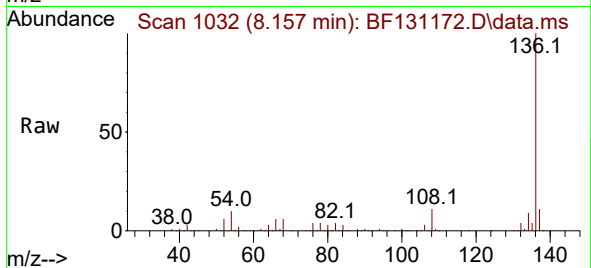
Tgt Ion: 70 Resp: 15016
Ion Ratio Lower Upper
70 100
42 60.4 58.3 87.5
101 0.0 7.4 11.2#
130 2.4 16.2 24.4#



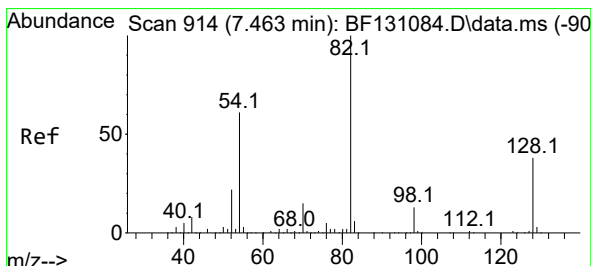
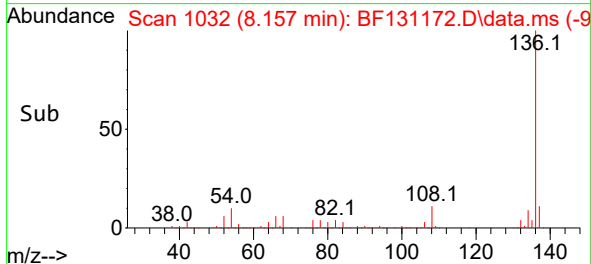
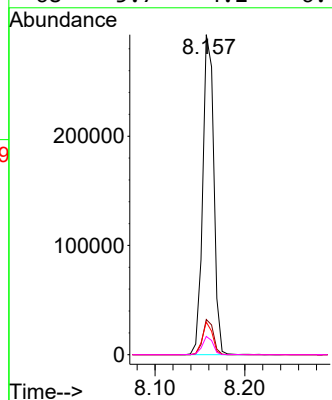


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27

Instrument :
BNA_F
ClientSampleId :
RM-9

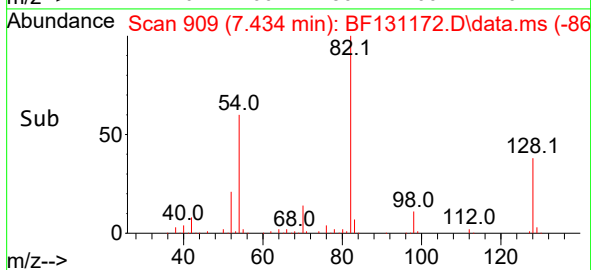
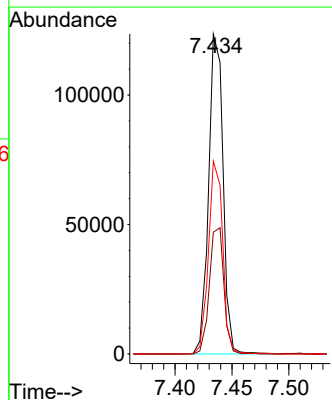
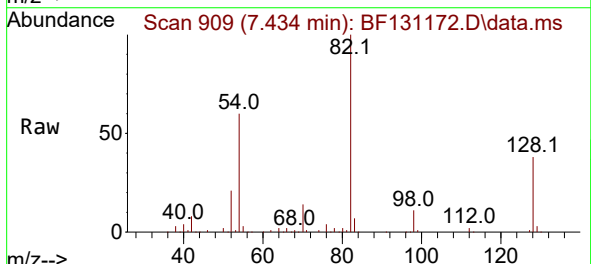


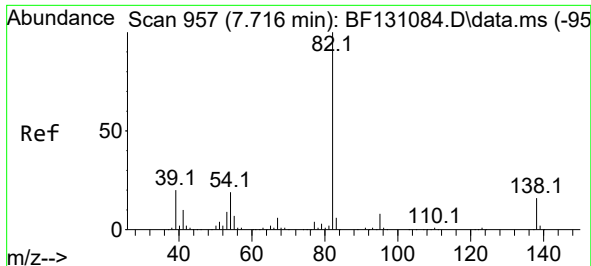
Tgt Ion:	136	Resp:	250973
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	10.2	7.2	10.8
68	5.7	4.2	6.4



#23
Nitrobenzene-d5
Concen: 19.564 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27

Tgt Ion:	82	Resp:	108825
Ion	Ratio	Lower	Upper
82	100		
128	38.1	30.5	45.7
54	60.2	49.1	73.7

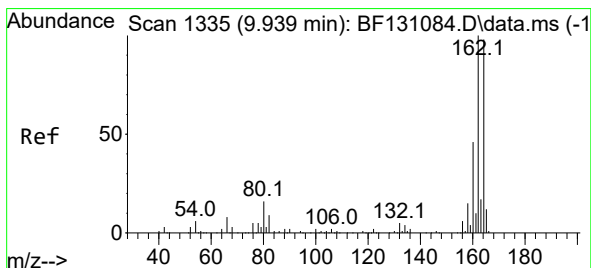
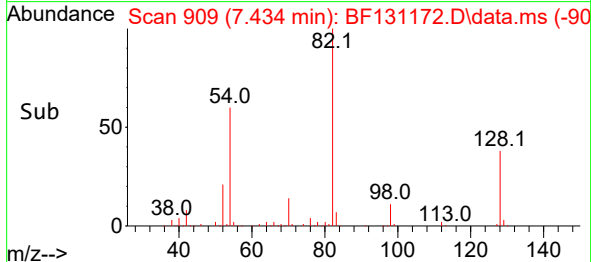
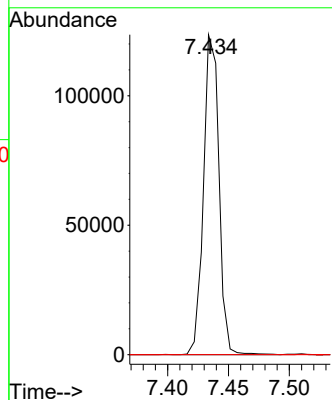
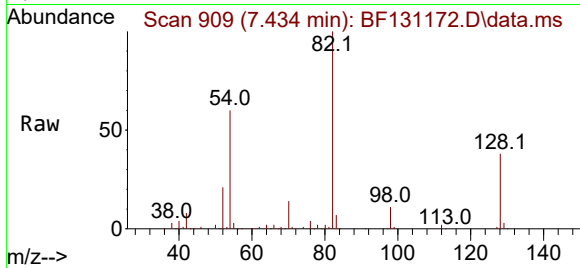




#25
Isophorone
Concen: 12.653 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27

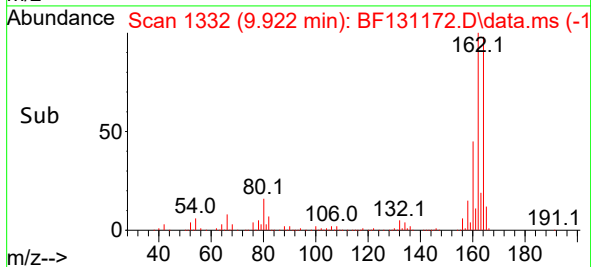
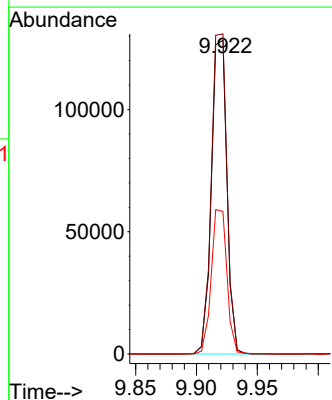
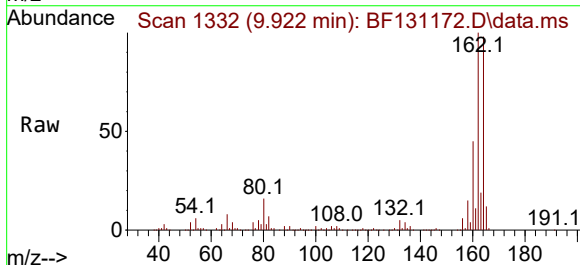
Instrument :
BNA_F
ClientSampleId :
RM-9

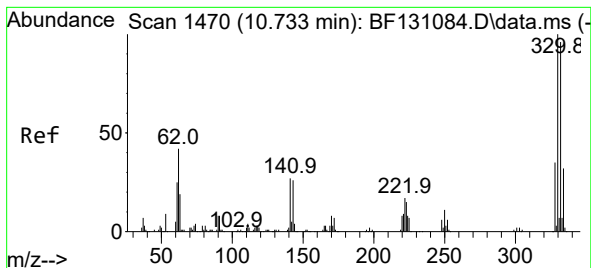
Tgt Ion: 82 Resp: 108823
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27

Tgt Ion:164 Resp: 113428
Ion Ratio Lower Upper
164 100
162 102.1 81.7 122.5
160 45.5 37.4 56.2

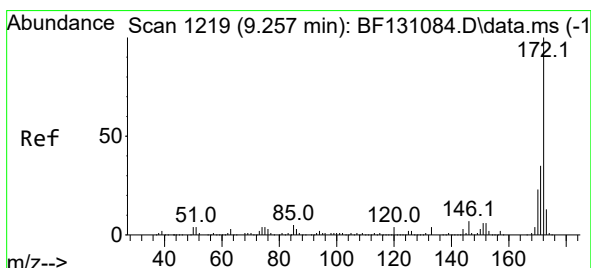
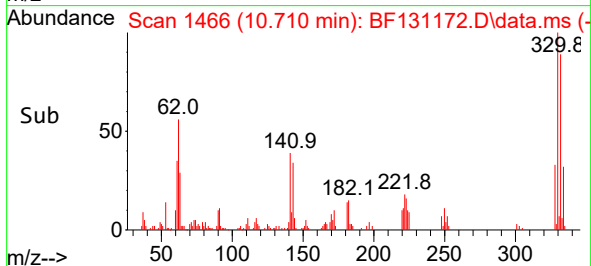
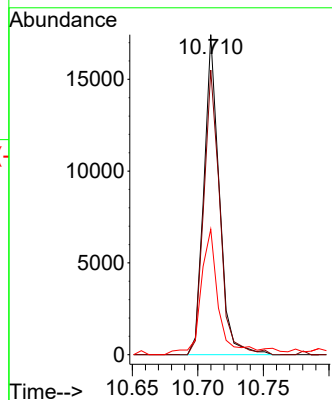
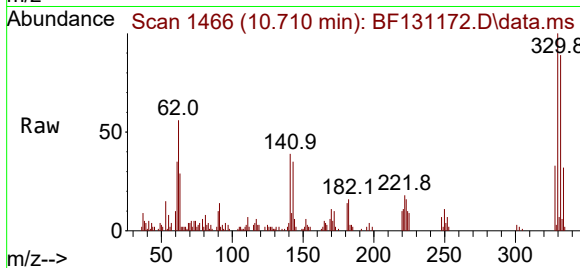




#42
2,4,6-Tribromophenol
Concen: 12.188 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27

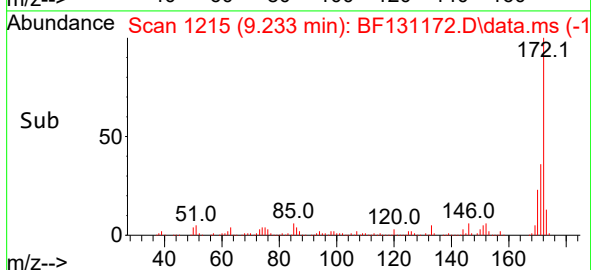
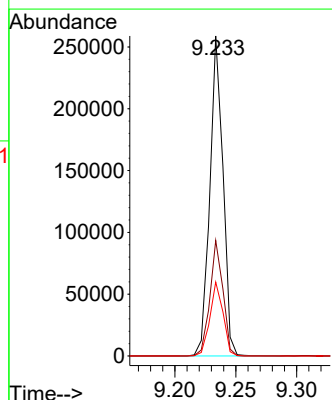
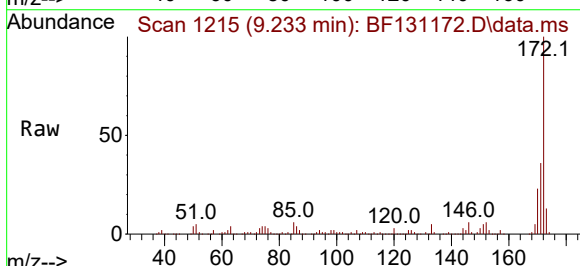
Instrument :
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RM-9

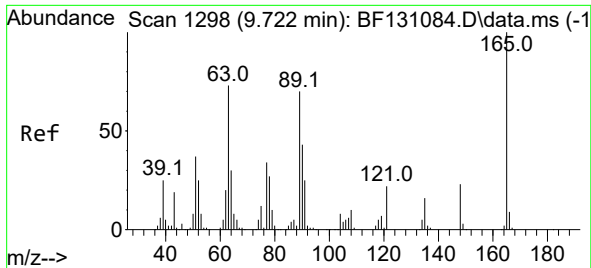
Tgt Ion:330 Resp: 14287
Ion Ratio Lower Upper
330 100
332 92.6 77.0 115.4
141 46.9 28.5 42.7#



#45
2-Fluorobiphenyl
Concen: 23.812 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27

Tgt Ion:172 Resp: 193477
Ion Ratio Lower Upper
172 100
171 36.1 27.7 41.5
170 23.1 18.8 28.2

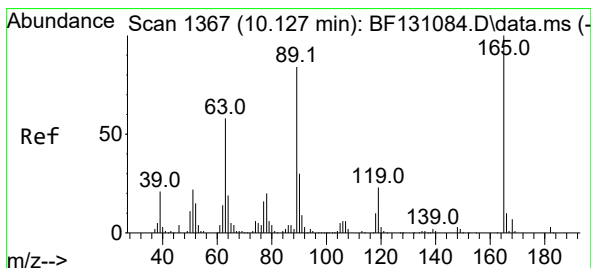
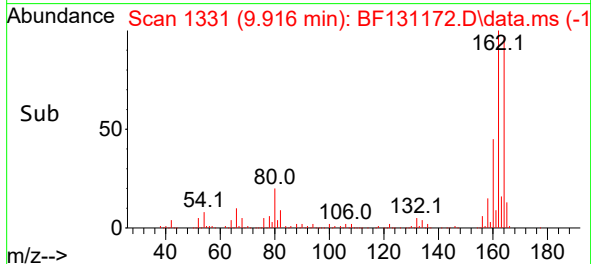
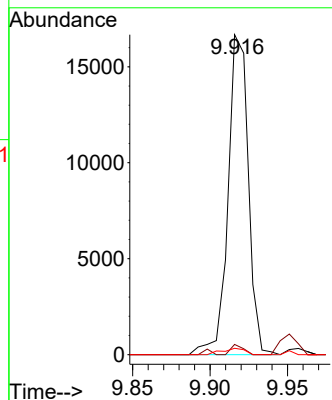
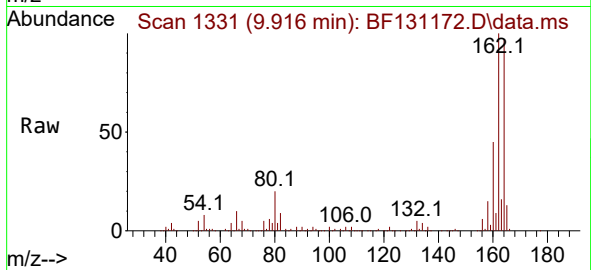




#51
2,6-Dinitrotoluene
Concen: 8.566 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27

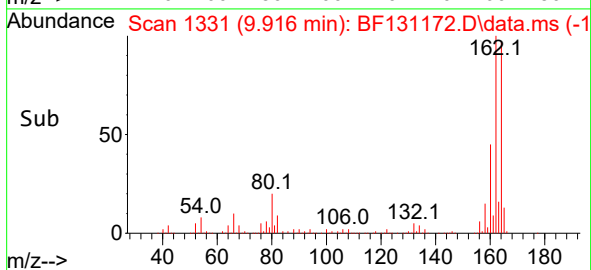
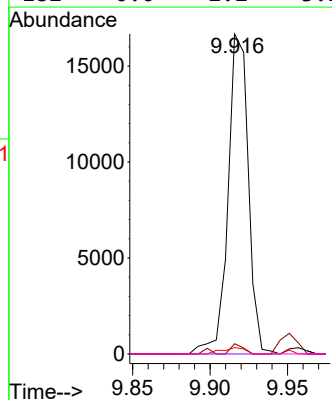
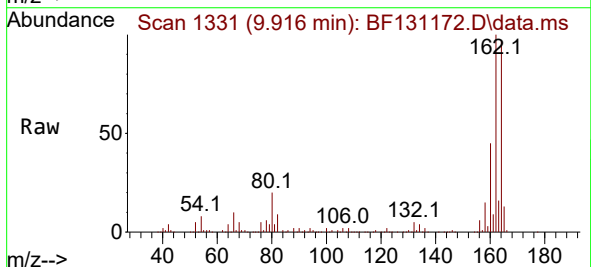
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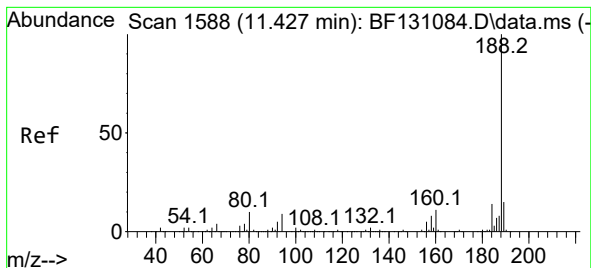
Tgt Ion:165 Resp: 15189
Ion Ratio Lower Upper
165 100
63 3.2 61.4 92.2#
89 2.0 56.0 84.0#



#57
2,4-Dinitrotoluene
Concen: 6.444 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.194 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27

Tgt Ion:165 Resp: 15189
Ion Ratio Lower Upper
165 100
63 3.2 46.9 70.3#
89 2.0 66.9 100.3#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

Instrument :

BNA_F

ClientSampleId :

RM-9

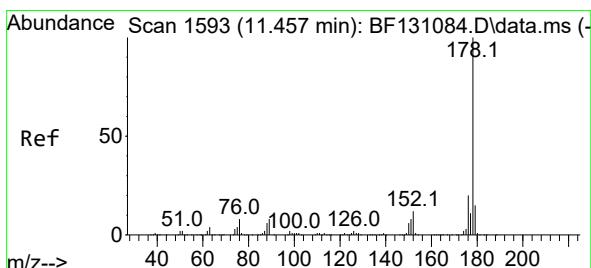
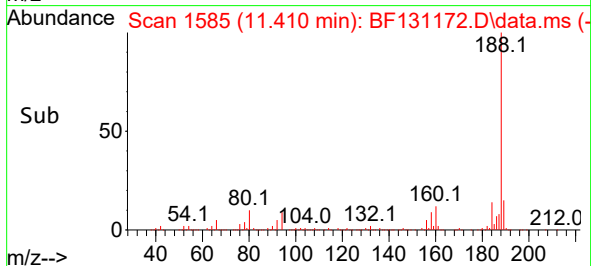
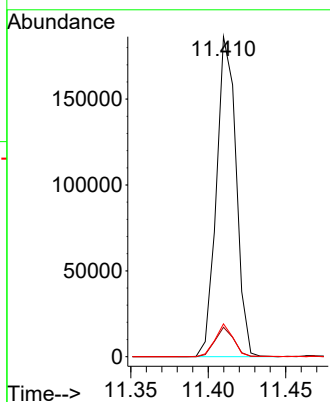
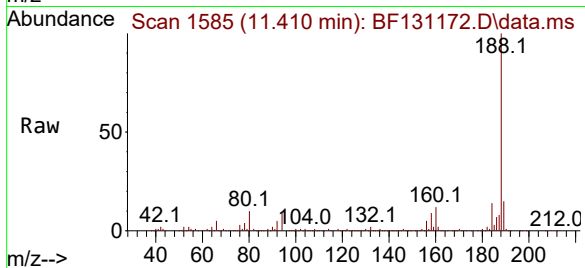
Tgt Ion:188 Resp: 164742

Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.6

80 10.3 7.9 11.9



#71

Phenanthrene

Concen: 11.066 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.000 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

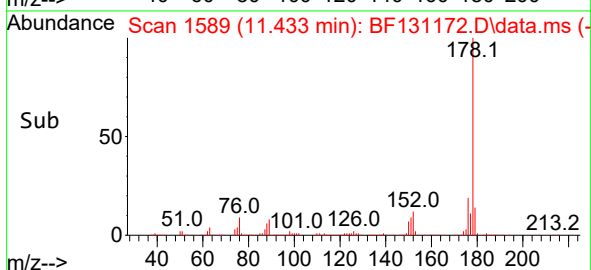
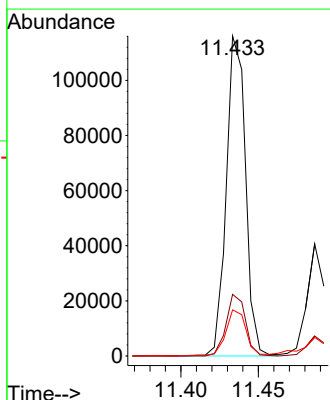
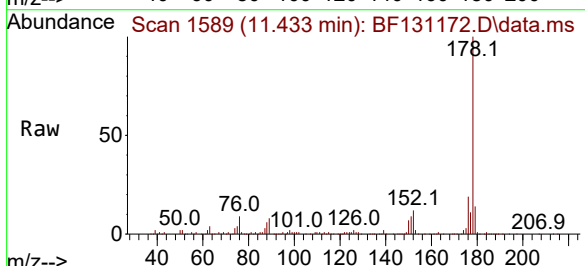
Tgt Ion:178 Resp: 100263

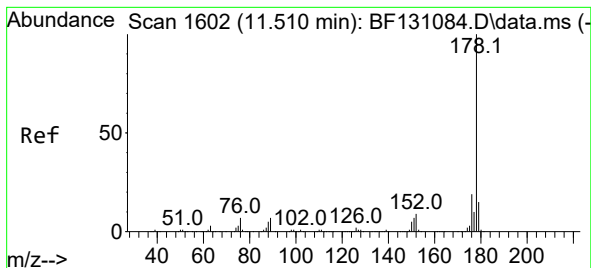
Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

179 14.4 12.2 18.2





#72

Anthracene

Concen: 3.594 ng

RT: 11.486 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

Instrument :

BNA_F

ClientSampleId :

RM-9

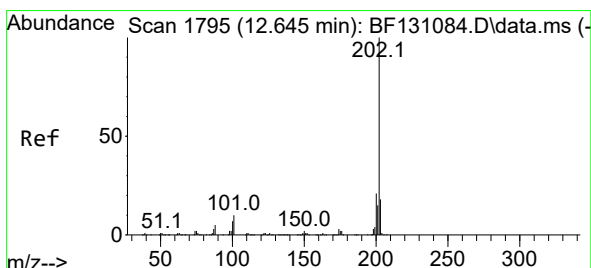
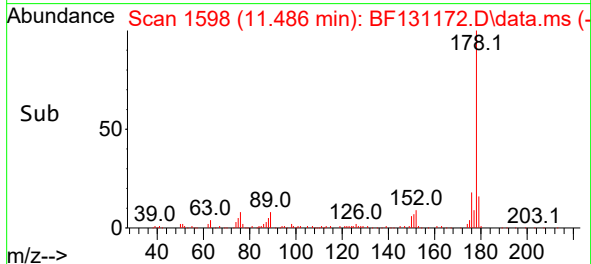
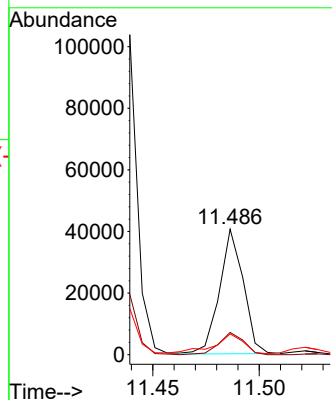
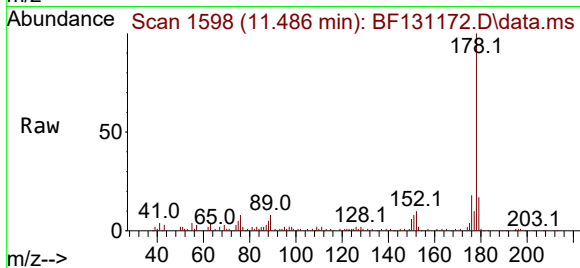
Tgt Ion:178 Resp: 31603

Ion Ratio Lower Upper

178 100

176 17.8 15.0 22.6

179 16.6 11.8 17.8



#75

Fluoranthene

Concen: 16.510 ng

RT: 12.627 min Scan# 1792

Delta R.T. -0.000 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

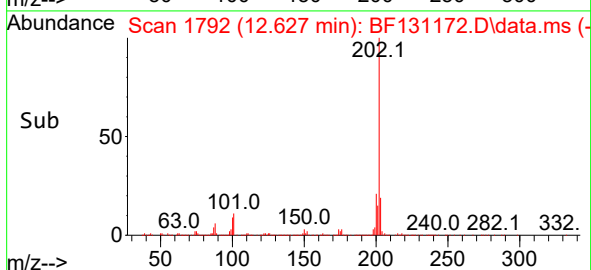
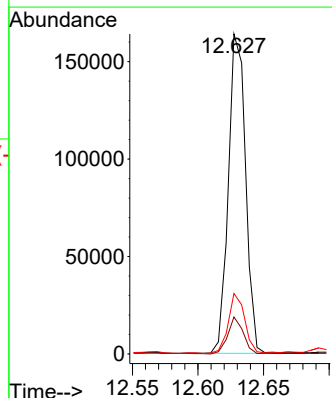
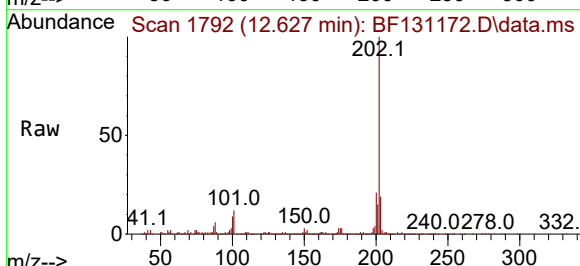
Tgt Ion:202 Resp: 149743

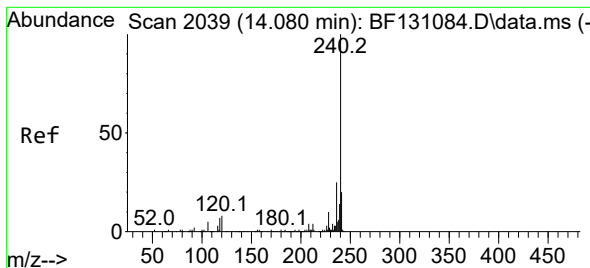
Ion Ratio Lower Upper

202 100

101 11.6 0.0 30.0

203 18.9 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2036

Delta R.T. 0.006 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

Instrument :

BNA_F

ClientSampleId :

RM-9

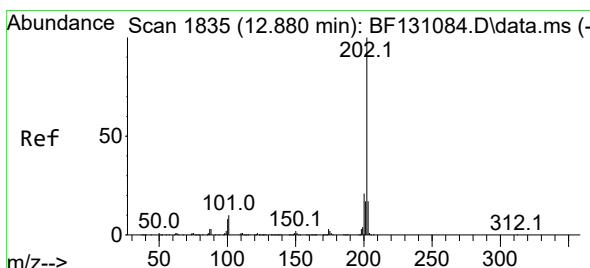
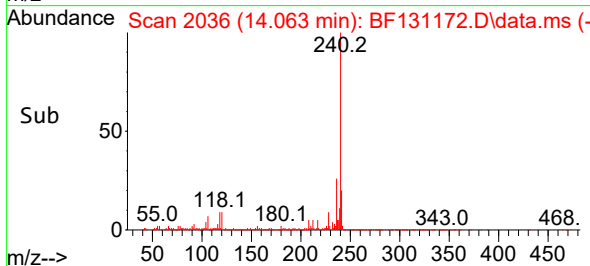
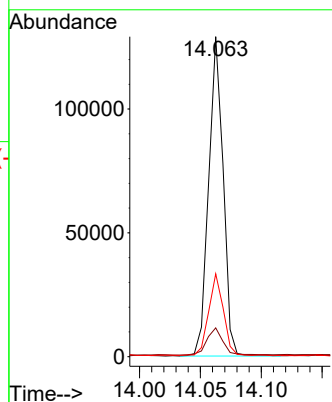
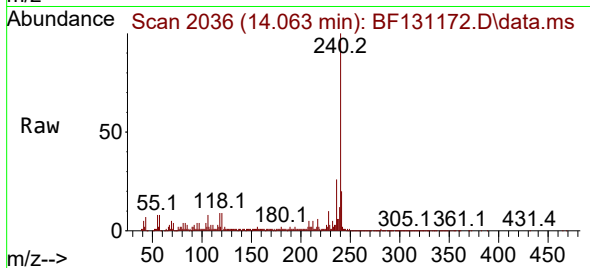
Tgt Ion:240 Resp: 106703

Ion Ratio Lower Upper

240 100

120 9.0 6.5 9.7

236 25.9 19.7 29.5



#78

Pyrene

Concen: 13.438 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.006 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

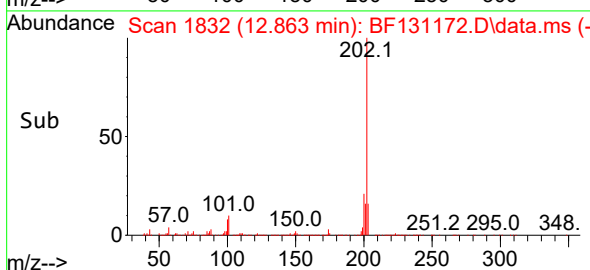
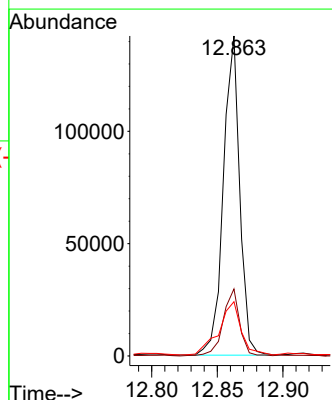
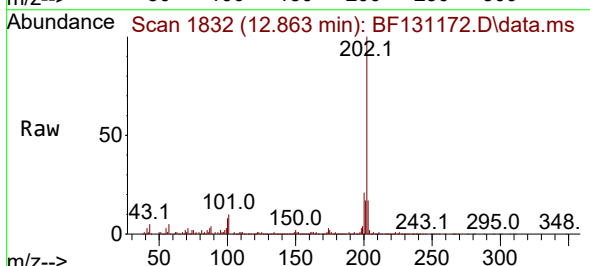
Tgt Ion:202 Resp: 123019

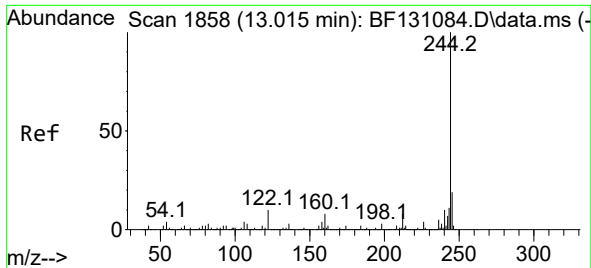
Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

203 16.9 13.6 20.4

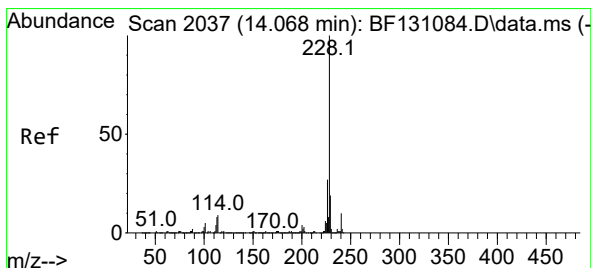
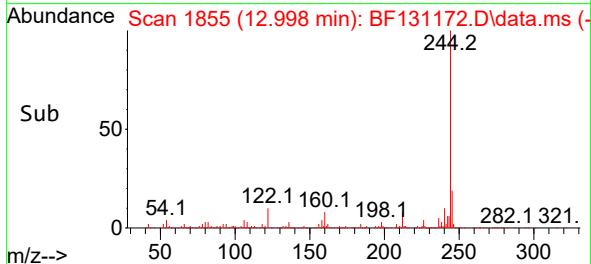
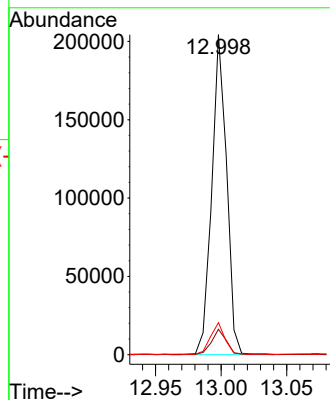
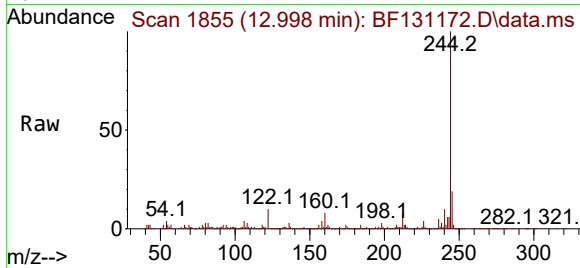




#79
 Terphenyl-d14
 Concen: 26.444 ng
 RT: 12.998 min Scan# 1855
 Delta R.T. -0.000 min
 Lab File: BF131172.D
 Acq: 12 Nov 2022 01:27

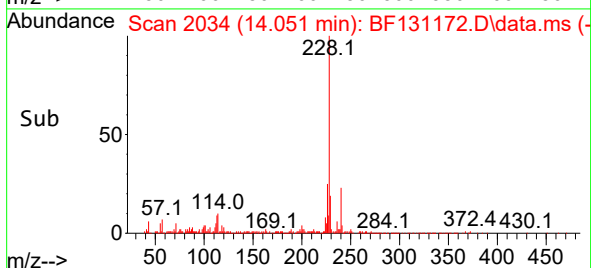
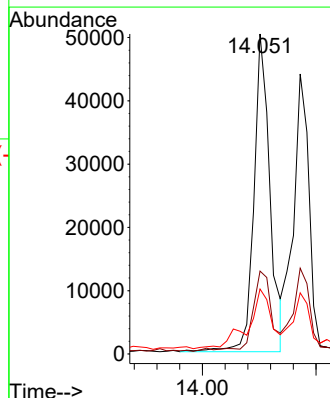
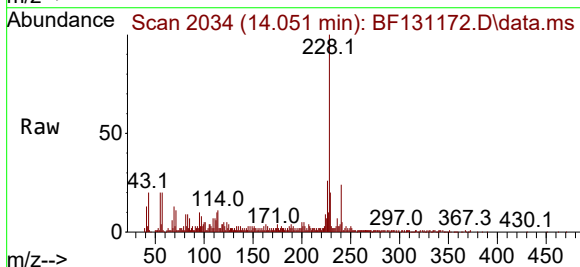
Instrument :
 BNA_F
 ClientSampleId :
 RM-9

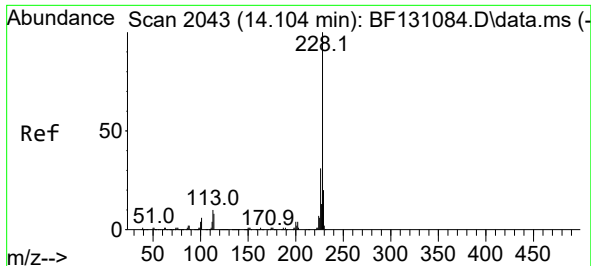
Tgt Ion:244 Resp: 160931
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.2
 122 10.0 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 6.459 ng
 RT: 14.051 min Scan# 2034
 Delta R.T. 0.006 min
 Lab File: BF131172.D
 Acq: 12 Nov 2022 01:27

Tgt Ion:228 Resp: 49265
 Ion Ratio Lower Upper
 228 100
 226 25.9 21.8 32.6
 229 20.3 15.4 23.2





#83

Chrysene

Concen: 5.799 ng

RT: 14.086 min Scan# 2043

Delta R.T. -0.000 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

Instrument :

BNA_F

ClientSampleId :

RM-9

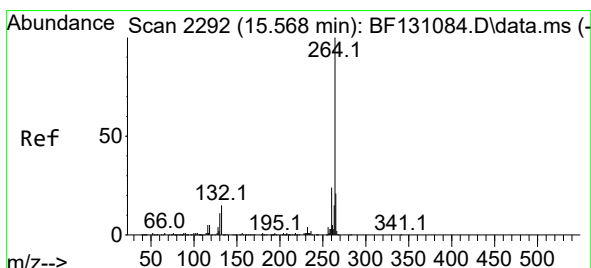
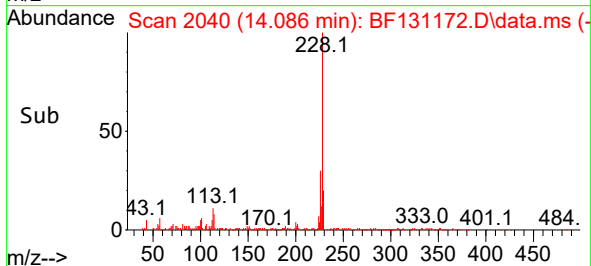
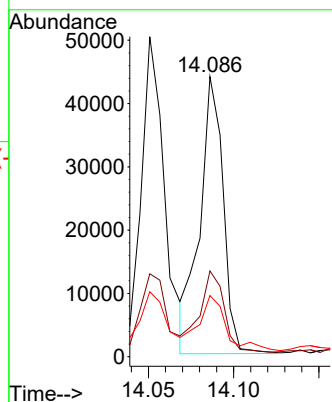
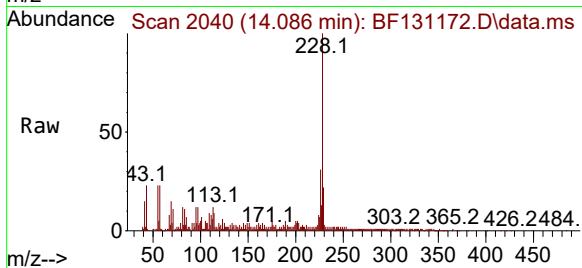
Tgt Ion:228 Resp: 41771

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

229 21.8 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2291

Delta R.T. 0.018 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

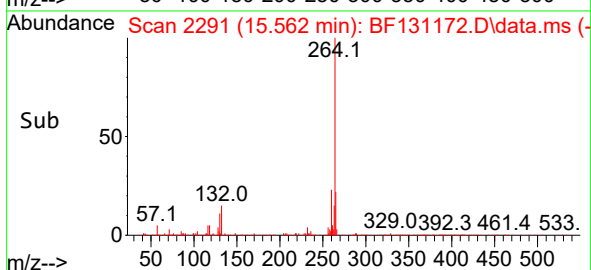
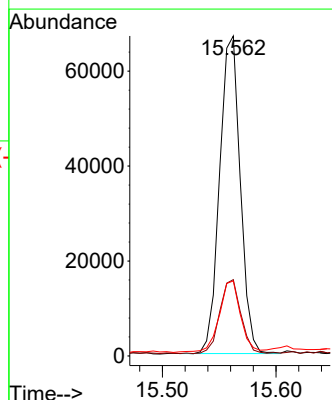
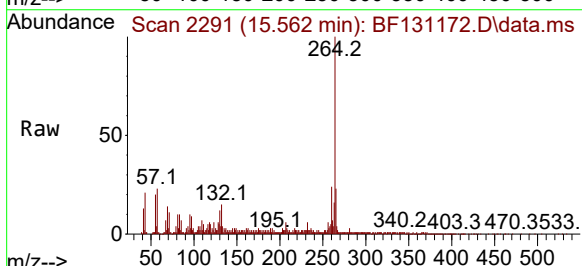
Tgt Ion:264 Resp: 84764

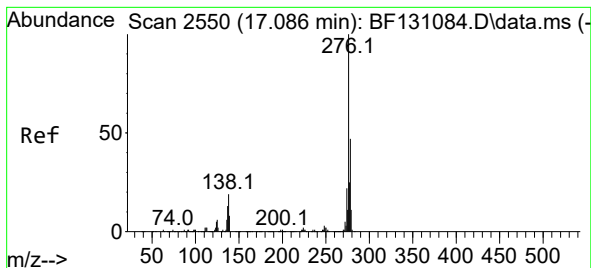
Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

265 23.5 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.932 ng

RT: 17.068 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

Instrument :

BNA_F

ClientSampleId :

RM-9

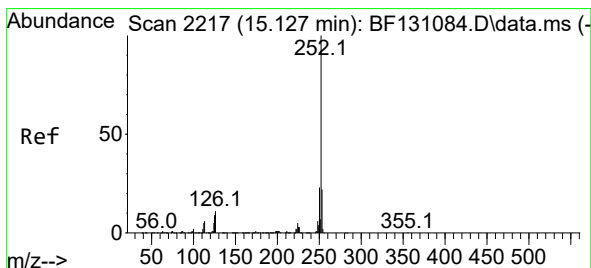
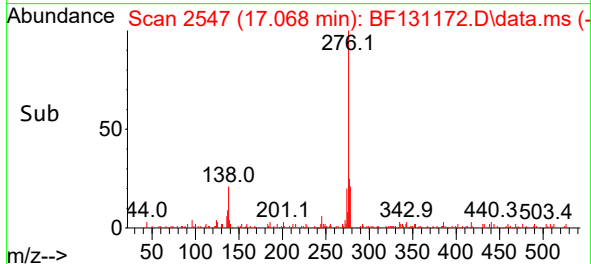
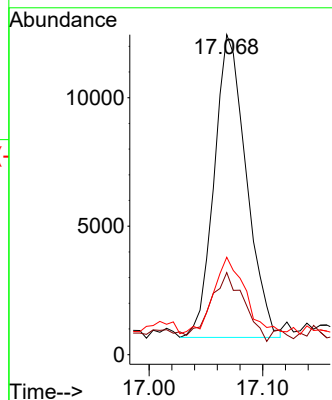
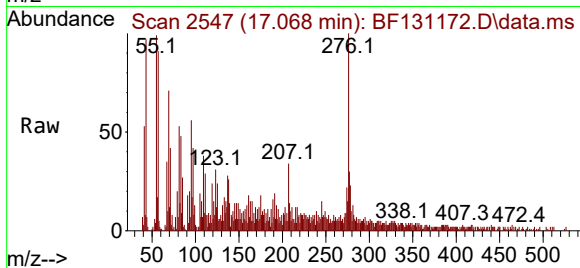
Tgt Ion:276 Resp: 23135

Ion Ratio Lower Upper

276 100

138 23.6 16.9 25.3

277 22.9 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 11.613 ng

RT: 15.121 min Scan# 2216

Delta R.T. 0.018 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

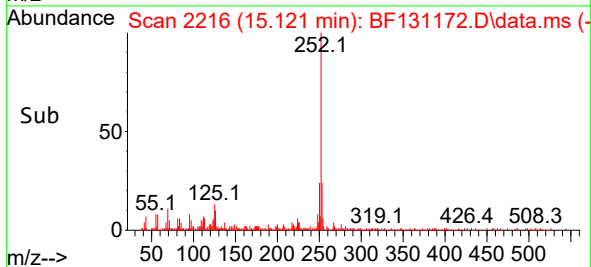
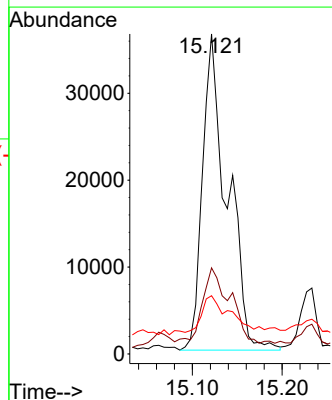
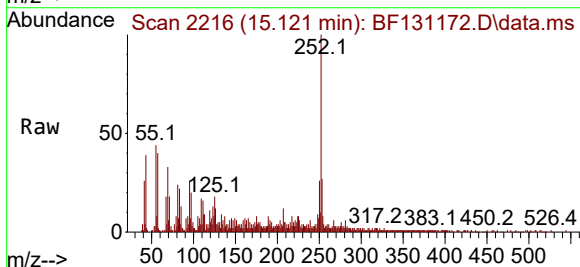
Tgt Ion:252 Resp: 69593

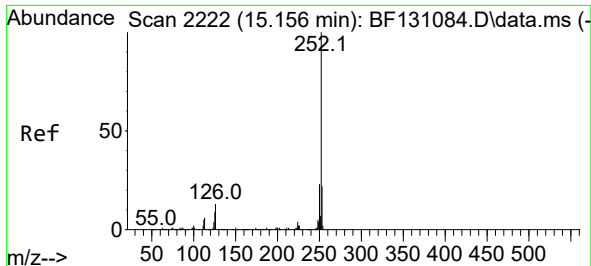
Ion Ratio Lower Upper

252 100

253 26.9 17.3 25.9#

125 18.2 7.2 10.8#





#89

Benzo(k)fluoranthene

Concen: 12.082 ng

RT: 15.121 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

Instrument :

BNA_F

ClientSampleId :

RM-9

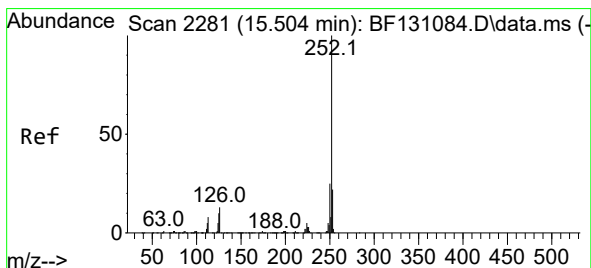
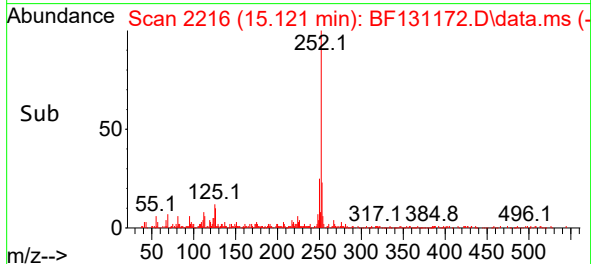
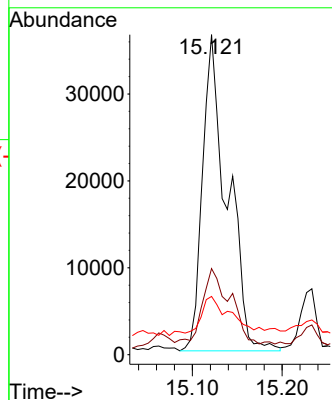
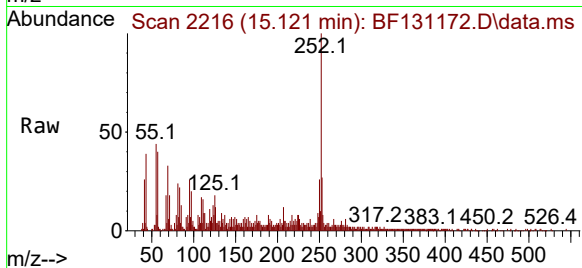
Tgt Ion:252 Resp: 69593

Ion Ratio Lower Upper

252 100

253 26.9 17.6 26.4#

125 18.2 7.5 11.3#



#90

Benzo(a)pyrene

Concen: 6.487 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.012 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

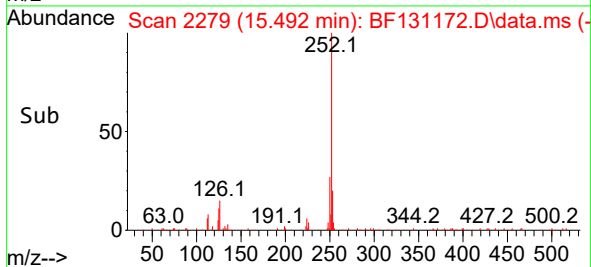
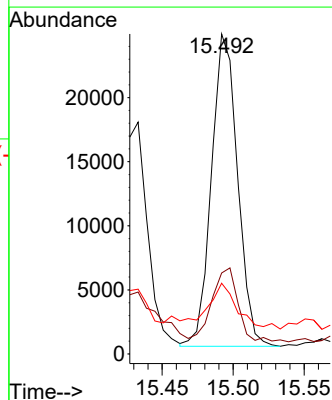
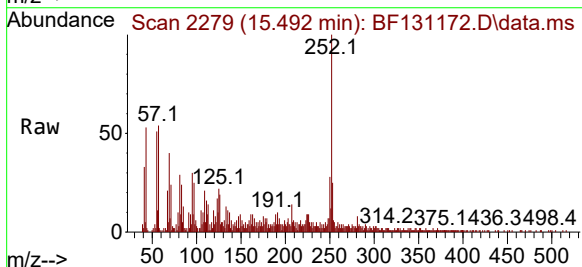
Tgt Ion:252 Resp: 31166

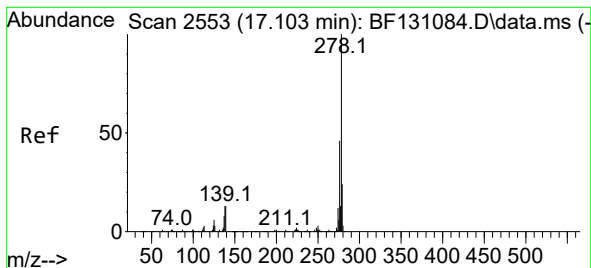
Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.8

125 22.1 8.1 12.1#





#91

Dibenzo(a,h)anthracene

Concen: 4.906 ng

RT: 17.080 min Scan# 2549

Delta R.T. 0.006 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

Instrument :

BNA_F

ClientSampleId :

RM-9

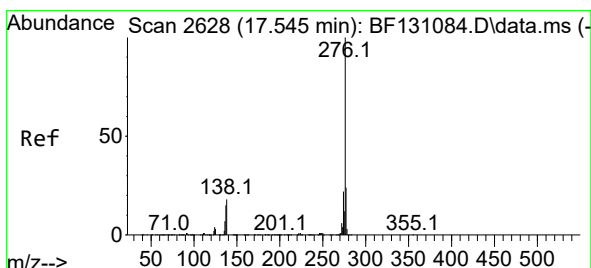
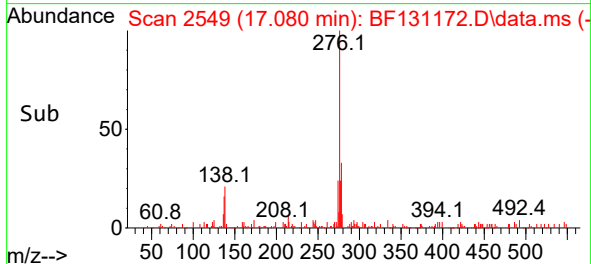
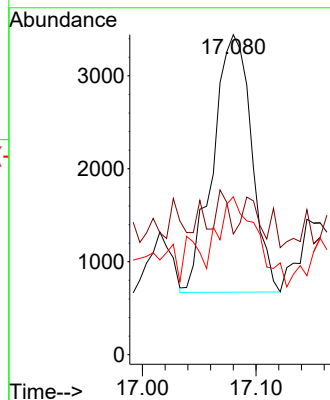
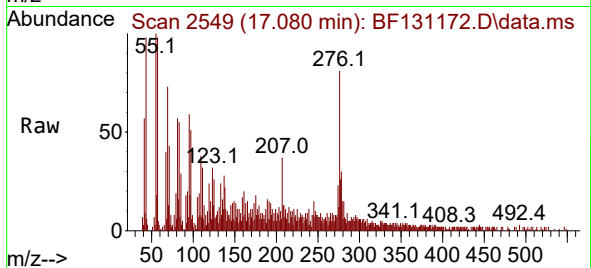
Tgt Ion:278 Resp: 6518

Ion Ratio Lower Upper

278 100

139 37.7 10.8 16.2#

279 49.3 19.2 28.8#



#92

Benzo(g,h,i)perylene

Concen: 7.966 ng

RT: 17.533 min Scan# 2626

Delta R.T. 0.018 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

Tgt Ion:276 Resp: 23610

Ion Ratio Lower Upper

276 100

277 33.3 19.0 28.4#

138 25.8 14.6 21.8#

