

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131173.D
 Acq On : 12 Nov 2022 02:00
 Operator : CG\JU
 Sample : N5556-10 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

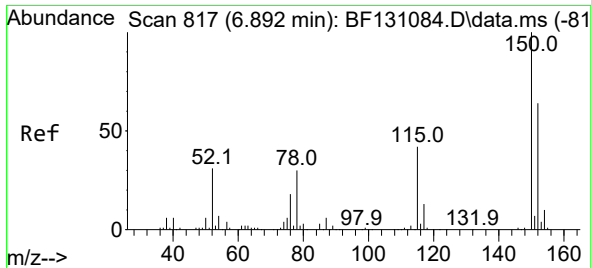
Instrument :
 BNA_F
 ClientSampleId :
 RM-10

Quant Time: Nov 12 02:21:51 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	63817	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	207078	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	77392	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	147879	20.000	ng	0.00
76) Chrysene-d12	14.063	240	120729	20.000	ng	# 0.00
86) Perylene-d12	15.563	264	73813	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	59505	15.857	ng	0.00
7) Phenol-d6	6.498	99	125596	25.600	ng	0.00
23) Nitrobenzene-d5	7.434	82	92450	20.143	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	7592	9.492	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	161383	29.110	ng	0.00
79) Terphenyl-d14	12.998	244	185495	26.939	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	13434	4.171	ng	# 76
25) Isophorone	7.434	82	92448	13.027	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	10170	8.406	ng	# 15
57) 2,4-Dinitrotoluene	9.922	165	10170	6.324	ng	# 17
71) Phenanthrene	11.433	178	31053	3.818	ng	97
75) Fluoranthene	12.627	202	47215	5.799	ng	98
78) Pyrene	12.863	202	44198	4.267	ng	98
81) Benzo(a)anthracene	14.051	228	18454	2.139	ng	# 90
87) Indeno(1,2,3-cd)pyrene	17.074	276	7154	4.954	ng	# 81
88) Benzo(b)fluoranthene	15.121	252	19073	3.655	ng	# 58
89) Benzo(k)fluoranthene	15.121	252	19073	3.802	ng	# 59
90) Benzo(a)pyrene	15.492	252	8642	2.066	ng	# 63
91) Dibenzo(a,h)anthracene	17.080	278	1990	4.213	ng	# 1
92) Benzo(g,h,i)perylene	17.533	276	7375	5.657	ng	# 61

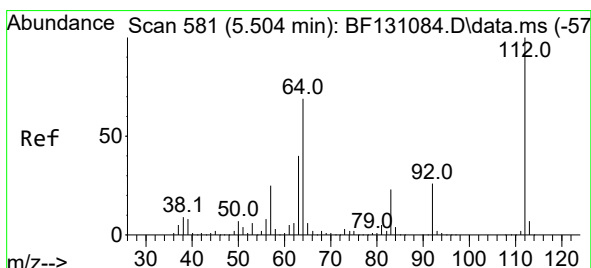
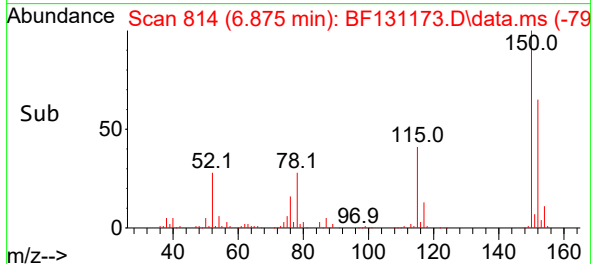
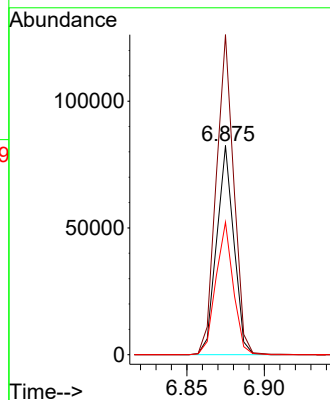
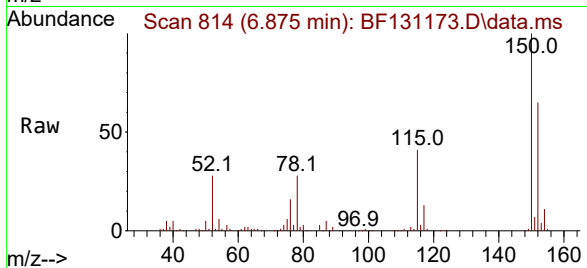
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

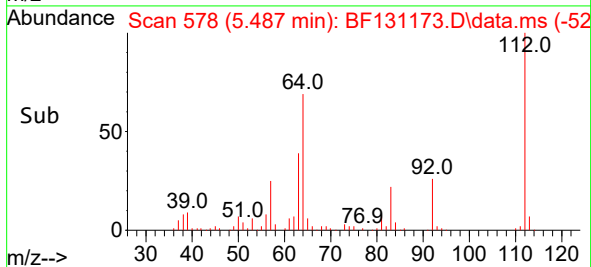
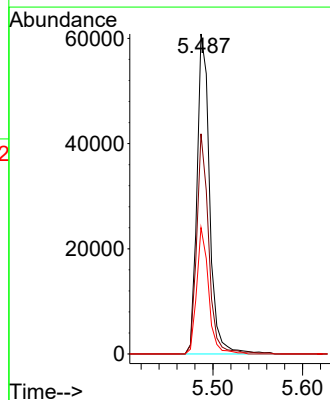
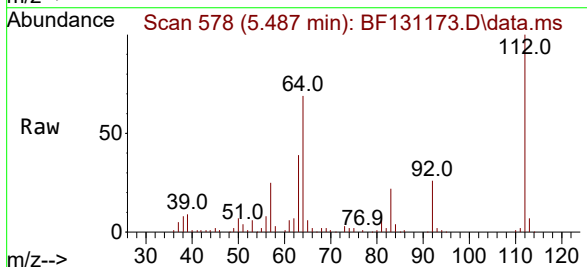
Instrument :
BNA_F
ClientSampleId :
RM-10

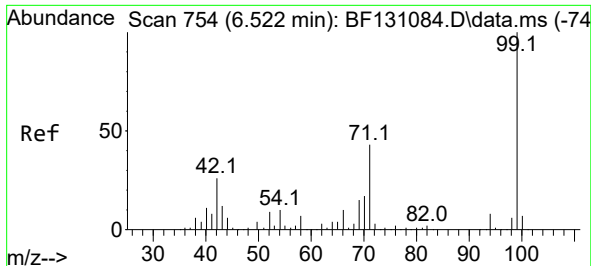
Tgt Ion:152 Resp: 63817
Ion Ratio Lower Upper
152 100
150 153.1 125.5 188.3
115 63.4 52.2 78.2



#5
2-Fluorophenol
Concen: 15.857 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

Tgt Ion:112 Resp: 59505
Ion Ratio Lower Upper
112 100
64 68.8 55.1 82.7
63 39.5 32.4 48.6

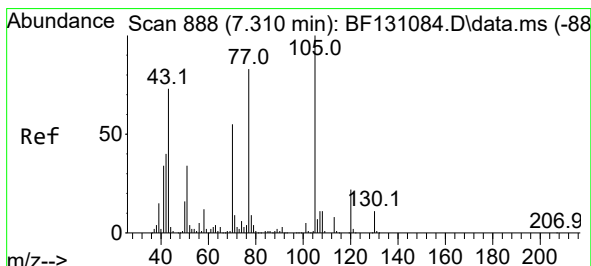
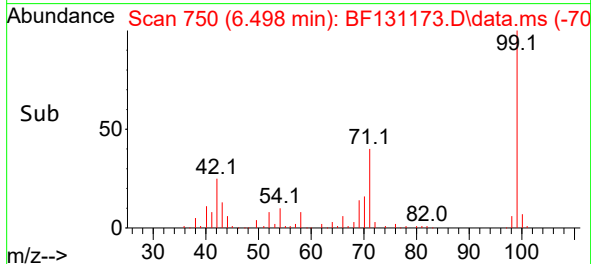
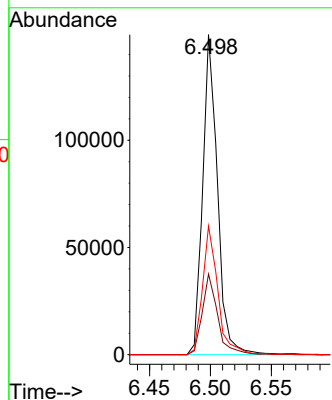
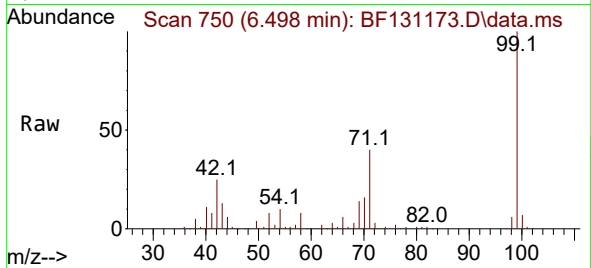




#7
Phenol-d6
Concen: 25.600 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

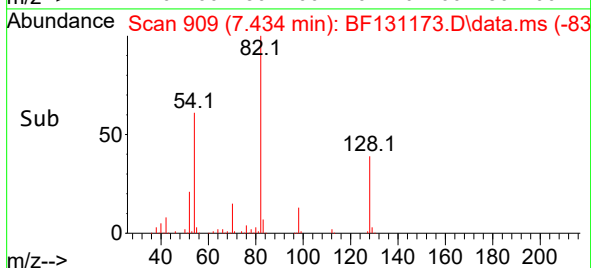
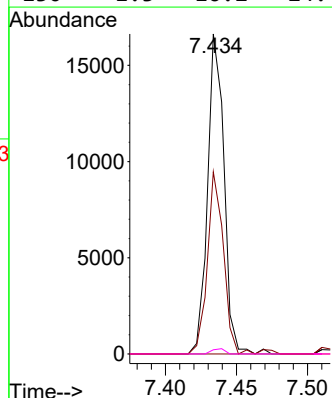
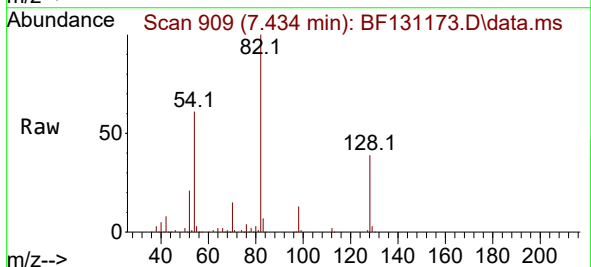
Instrument :
BNA_F
ClientSampleId :
RM-10

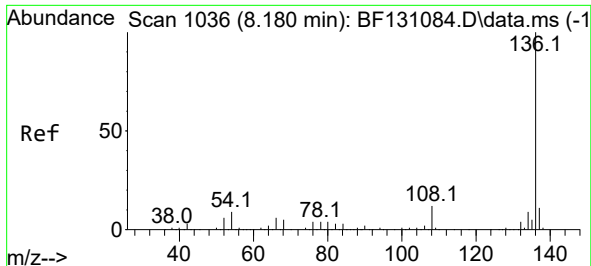
Tgt Ion: 99 Resp: 125596
Ion Ratio Lower Upper
99 100
42 25.2 20.8 31.2
71 40.2 34.2 51.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.171 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

Tgt Ion: 70 Resp: 13434
Ion Ratio Lower Upper
70 100
42 56.9 58.3 87.5#
101 0.0 7.4 11.2#
130 1.3 16.2 24.4#

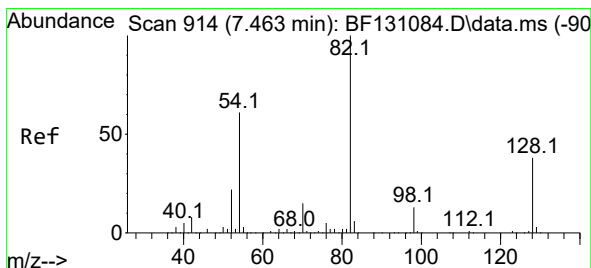
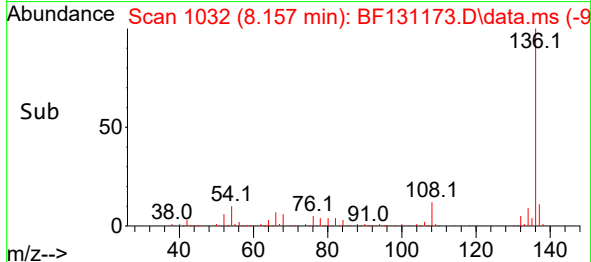
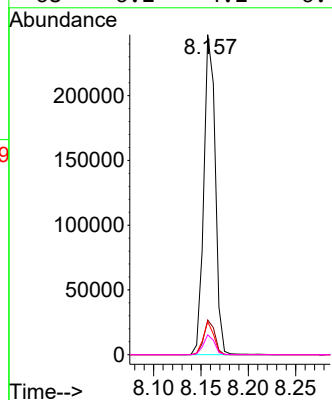
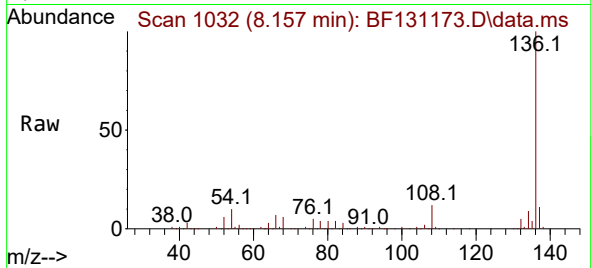




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

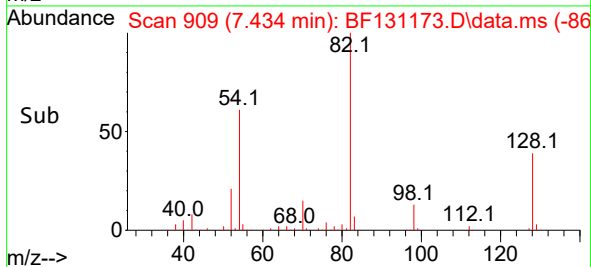
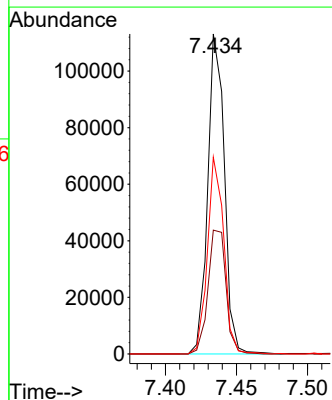
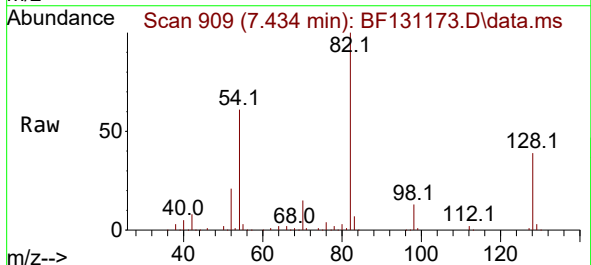
Instrument :
BNA_F
ClientSampleId :
RM-10

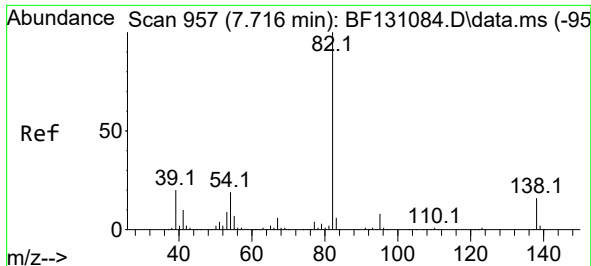
Tgt Ion:136 Resp: 207078
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 10.3 7.2 10.8
68 6.2 4.2 6.4



#23
Nitrobenzene-d5
Concen: 20.143 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

Tgt Ion: 82 Resp: 92450
Ion Ratio Lower Upper
82 100
128 38.7 30.5 45.7
54 61.5 49.1 73.7

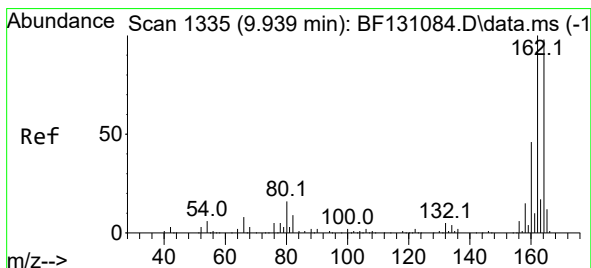
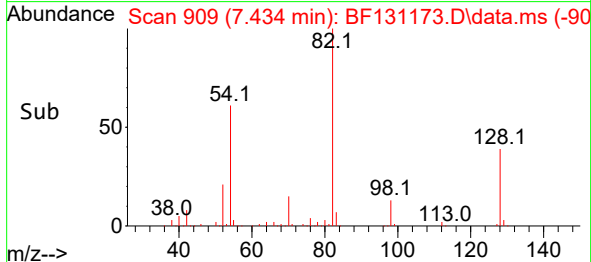
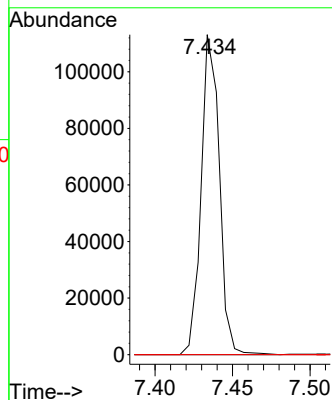
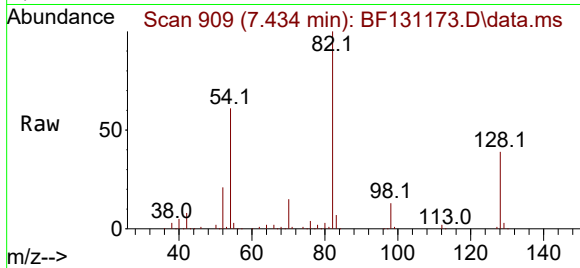




#25
Isophorone
Concen: 13.027 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

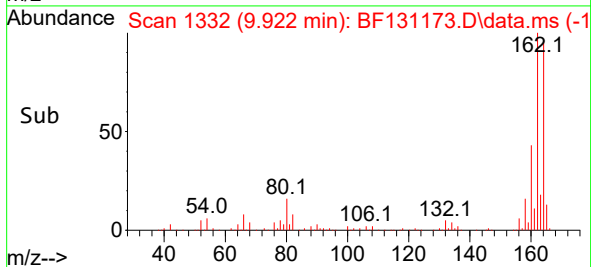
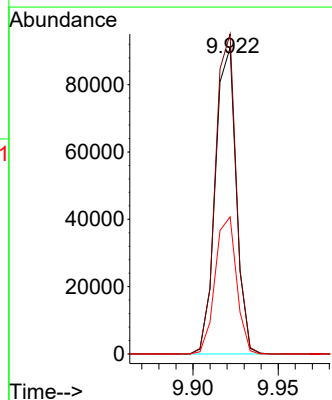
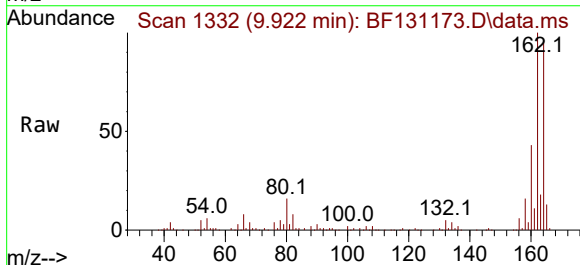
Instrument :
BNA_F
ClientSampleId :
RM-10

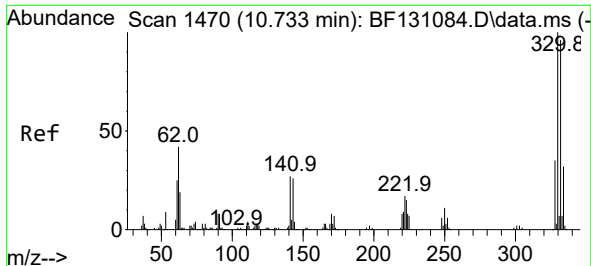
Tgt Ion: 82 Resp: 92448
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

Tgt Ion:164 Resp: 77392
Ion Ratio Lower Upper
164 100
162 104.4 81.7 122.5
160 44.8 37.4 56.2





#42

2,4,6-Tribromophenol

Concen: 9.492 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.000 min

Lab File: BF131173.D

Acq: 12 Nov 2022 02:00

Instrument :

BNA_F

ClientSampleId :

RM-10

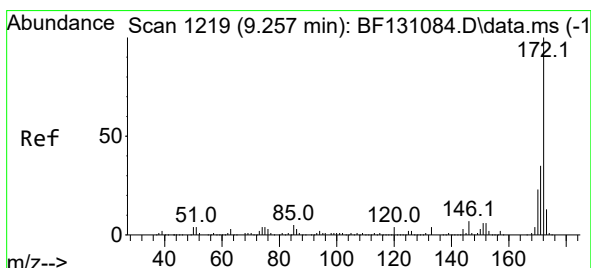
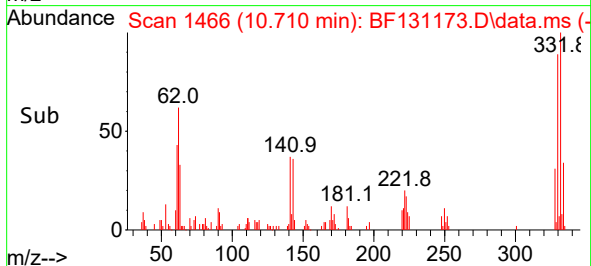
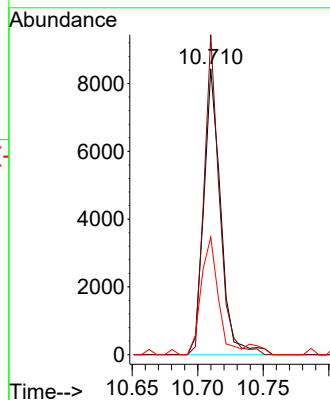
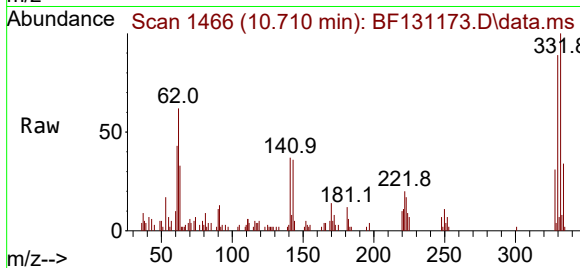
Tgt Ion:330 Resp: 7592

Ion Ratio Lower Upper

330 100

332 100.4 77.0 115.4

141 42.4 28.5 42.7



#45

2-Fluorobiphenyl

Concen: 29.110 ng

RT: 9.234 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF131173.D

Acq: 12 Nov 2022 02:00

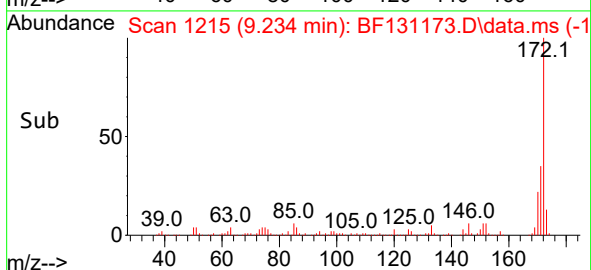
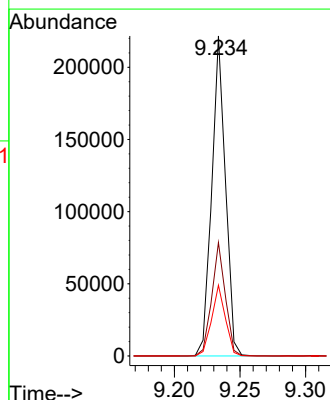
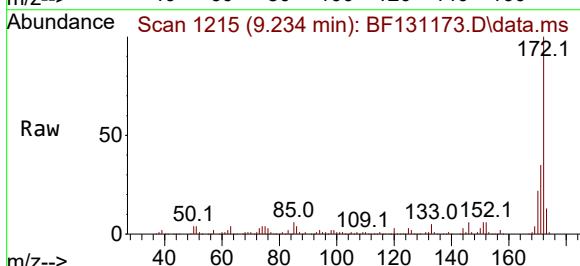
Tgt Ion:172 Resp: 161383

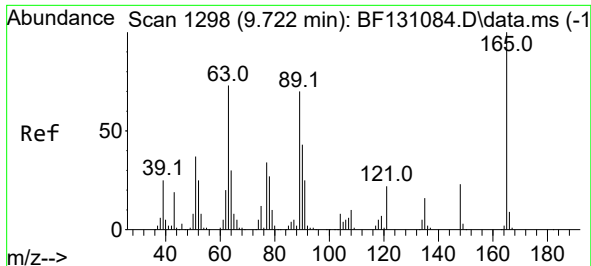
Ion Ratio Lower Upper

172 100

171 35.5 27.7 41.5

170 22.1 18.8 28.2

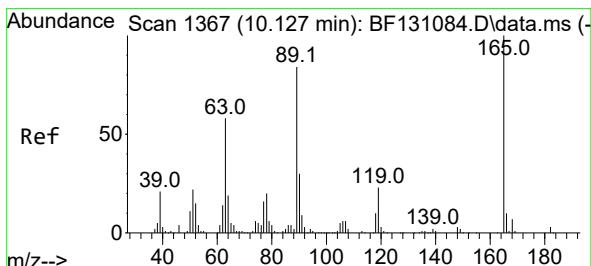
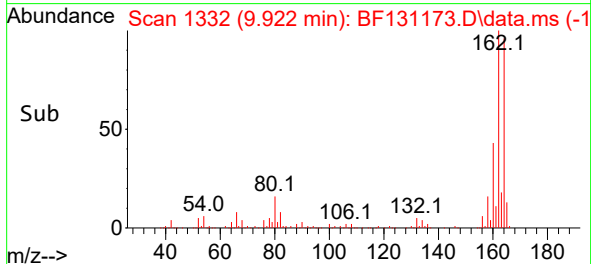
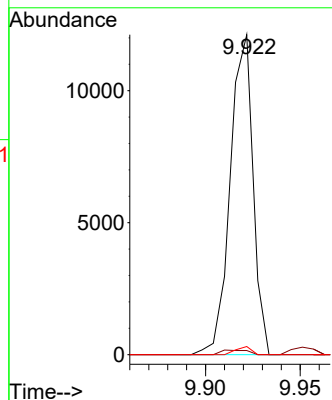
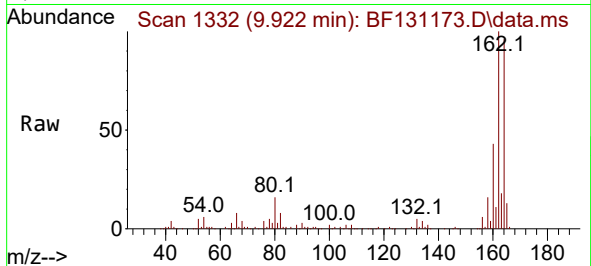




#51
2,6-Dinitrotoluene
Concen: 8.406 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

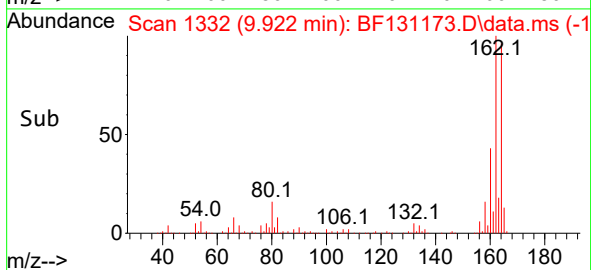
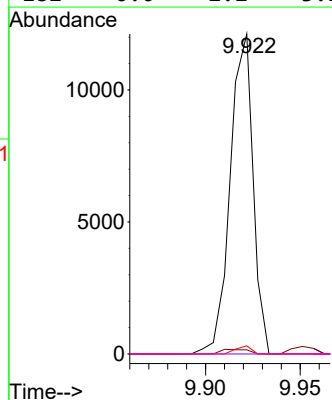
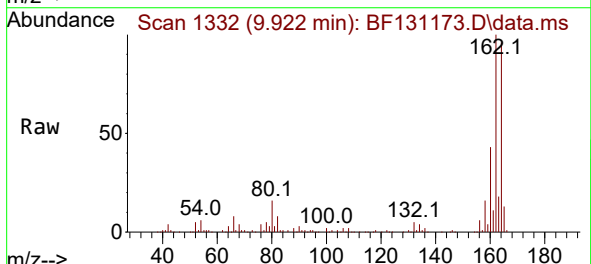
Instrument :
BNA_F
ClientSampleId :
RM-10

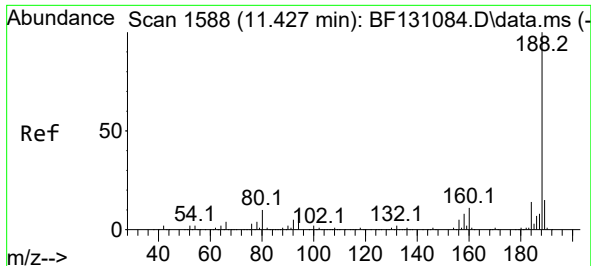
Tgt Ion:165 Resp: 10170
Ion Ratio Lower Upper
165 100
63 1.3 61.4 92.2#
89 2.5 56.0 84.0#



#57
2,4-Dinitrotoluene
Concen: 6.324 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.188 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

Tgt Ion:165 Resp: 10170
Ion Ratio Lower Upper
165 100
63 1.3 46.9 70.3#
89 2.5 66.9 100.3#
182 0.0 2.2 3.2#

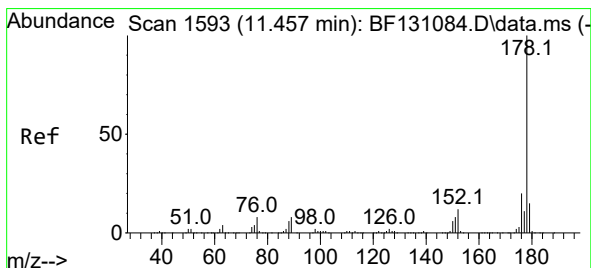
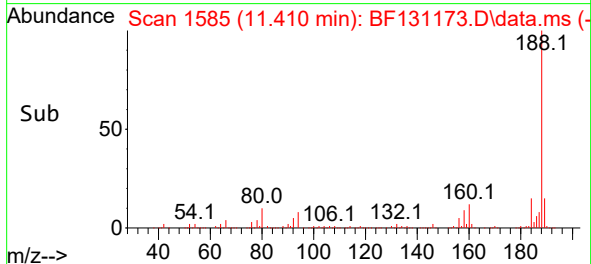
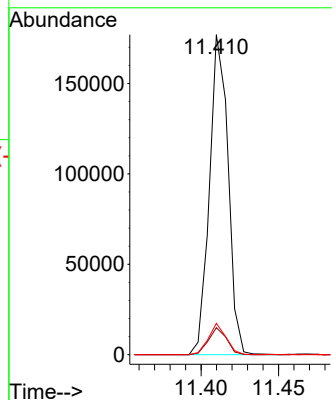
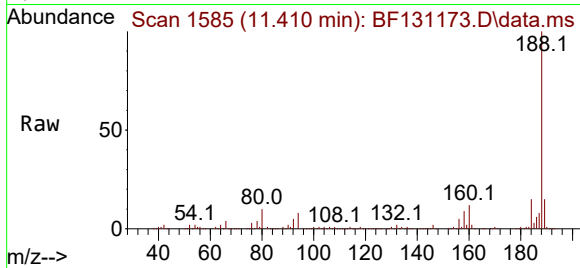




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

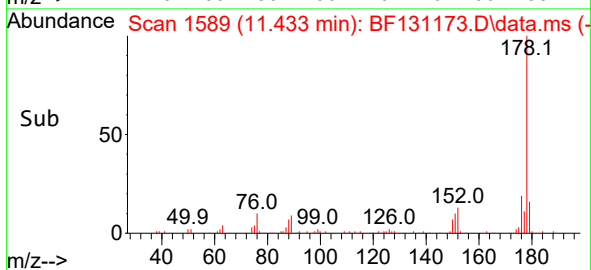
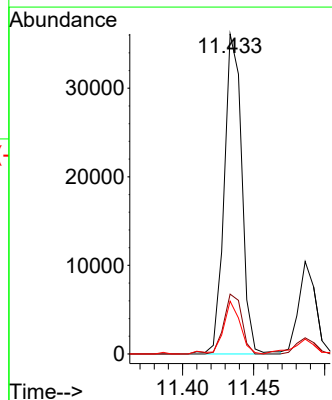
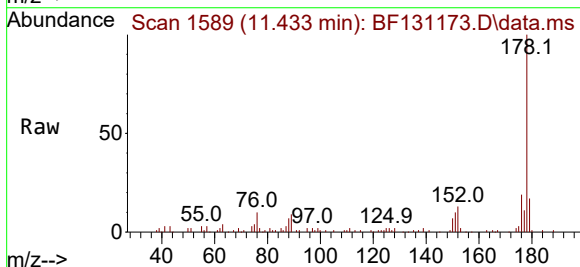
Instrument :
BNA_F
ClientSampleId :
RM-10

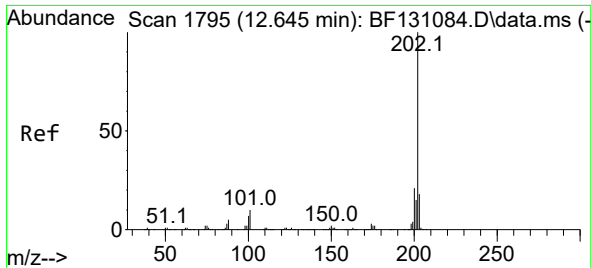
Tgt Ion:188 Resp: 147879
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.6
80 9.8 7.9 11.9



#71
Phenanthrene
Concen: 3.818 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

Tgt Ion:178 Resp: 31053
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.8
179 16.5 12.2 18.2

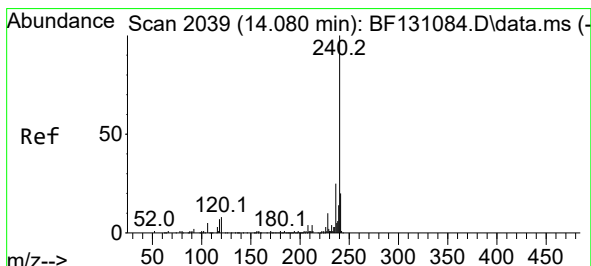
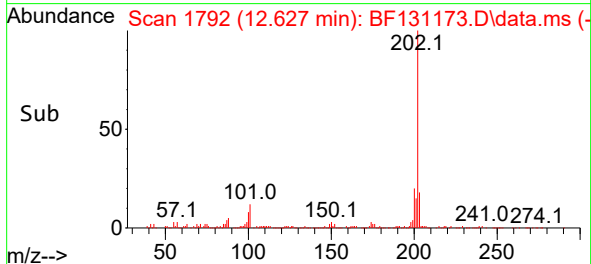
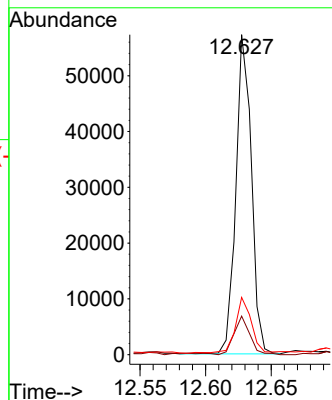
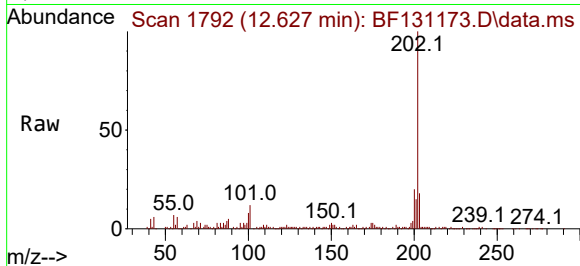




#75
Fluoranthene
Concen: 5.799 ng
RT: 12.627 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

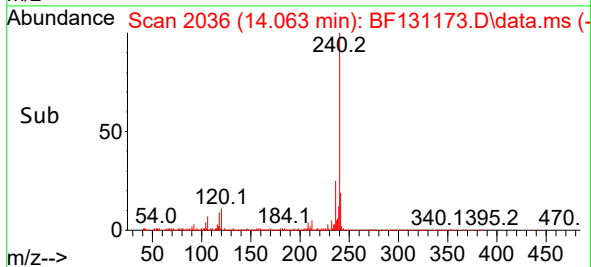
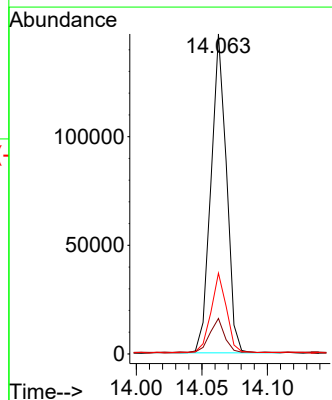
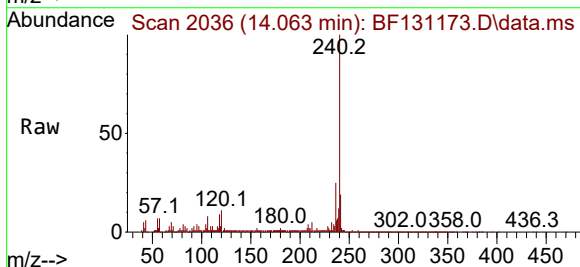
Instrument :
BNA_F
ClientSampleId :
RM-10

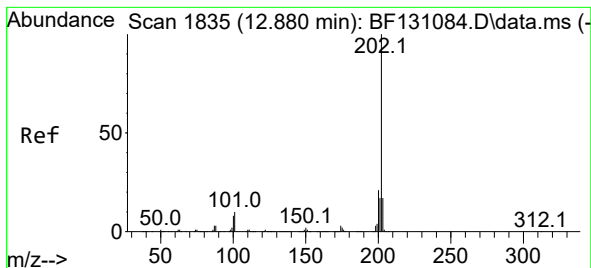
Tgt Ion:202 Resp: 47215
Ion Ratio Lower Upper
202 100
101 12.0 0.0 30.0
203 17.9 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.006 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

Tgt Ion:240 Resp: 120729
Ion Ratio Lower Upper
240 100
120 11.1 6.5 9.7#
236 25.3 19.7 29.5





#78

Pyrene

Concen: 4.267 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.006 min

Lab File: BF131173.D

Acq: 12 Nov 2022 02:00

Instrument :

BNA_F

ClientSampleId :

RM-10

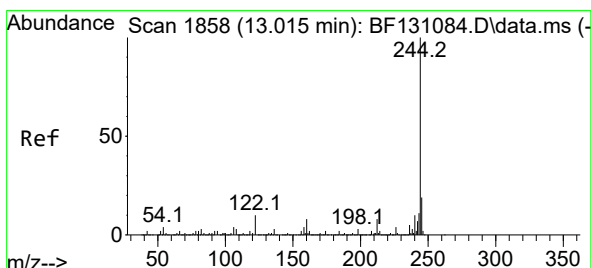
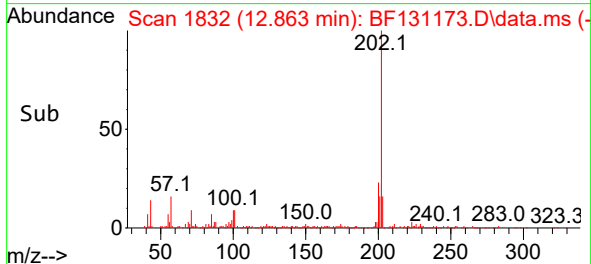
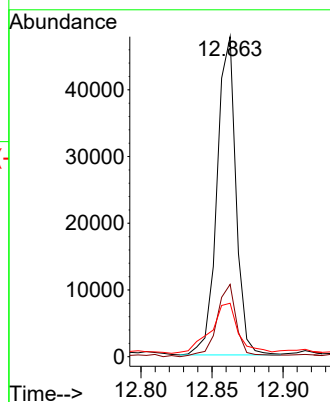
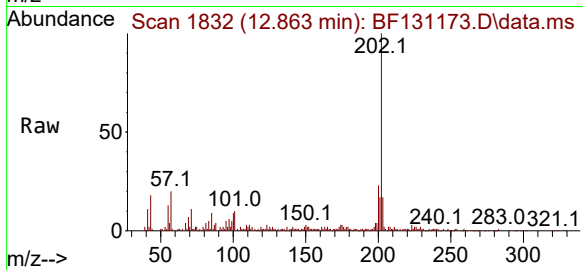
Tgt Ion:202 Resp: 44198

Ion Ratio Lower Upper

202 100

200 22.6 16.8 25.2

203 16.7 13.6 20.4



#79

Terphenyl-d14

Concen: 26.939 ng

RT: 12.998 min Scan# 1855

Delta R.T. -0.000 min

Lab File: BF131173.D

Acq: 12 Nov 2022 02:00

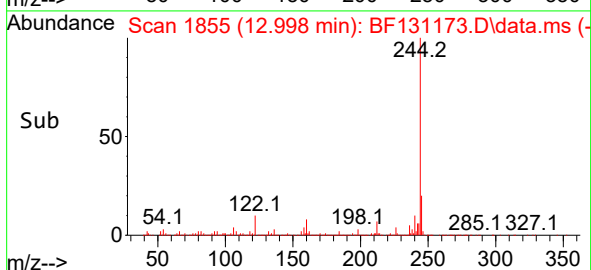
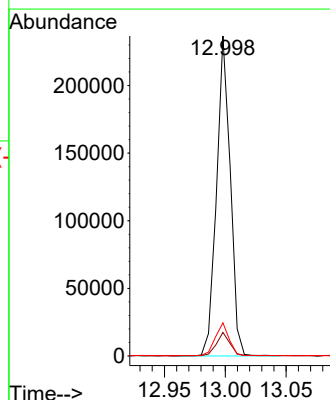
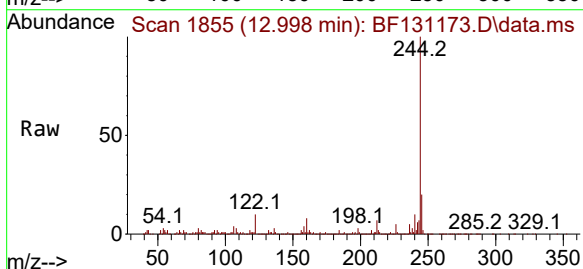
Tgt Ion:244 Resp: 185495

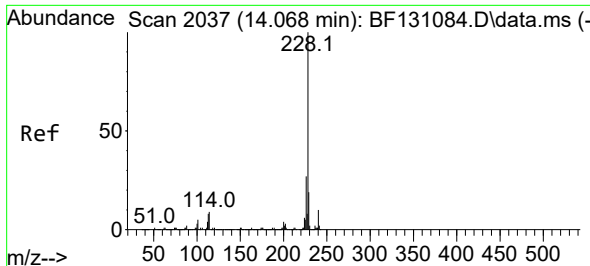
Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

122 10.3 7.8 11.8

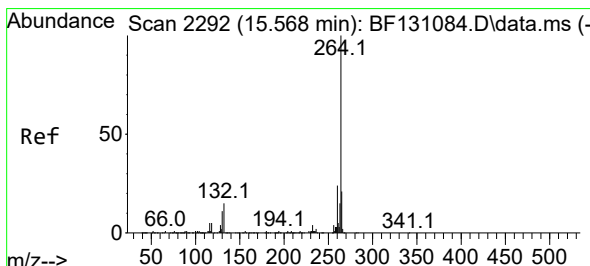
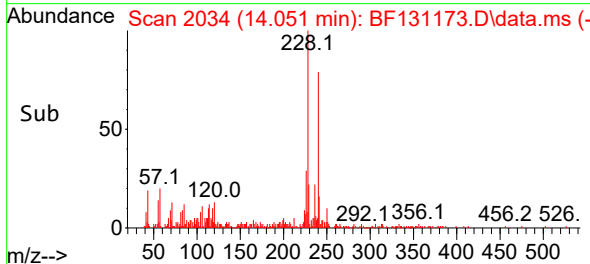
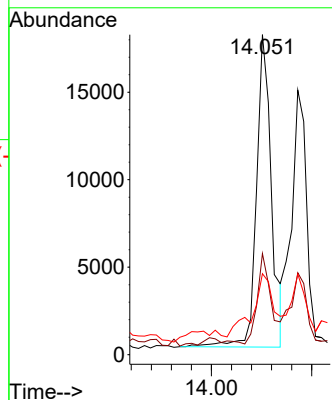
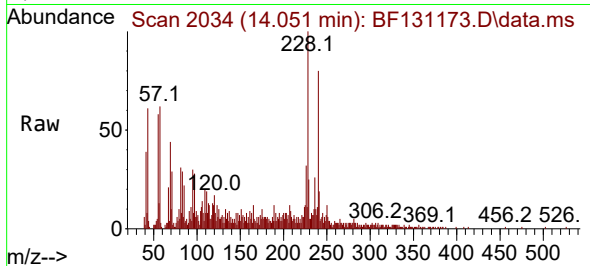




#81
Benzo(a)anthracene
Concen: 2.139 ng
RT: 14.051 min Scan# 2037
Delta R.T. 0.006 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

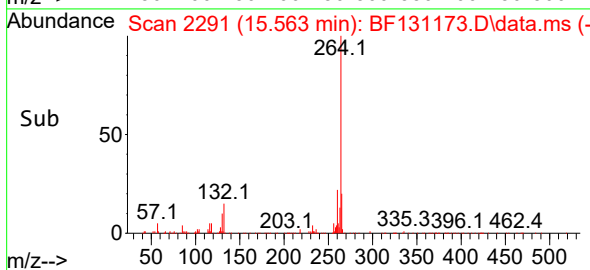
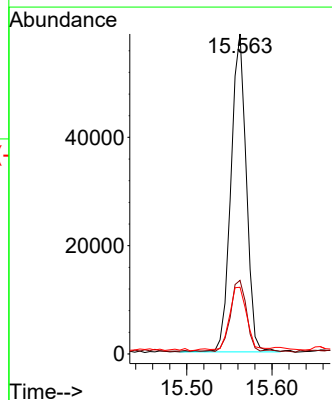
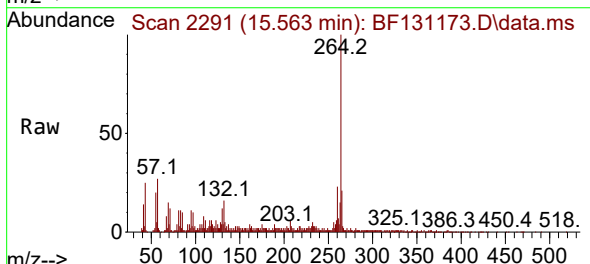
Instrument :
BNA_F
ClientSampleId :
RM-10

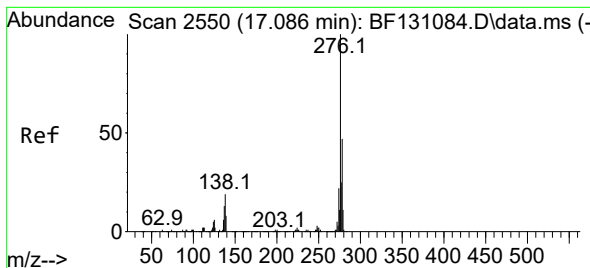
Tgt Ion:228 Resp: 18454
Ion Ratio Lower Upper
228 100
226 31.6 21.8 32.6
229 25.3 15.4 23.2#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2291
Delta R.T. 0.018 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

Tgt Ion:264 Resp: 73813
Ion Ratio Lower Upper
264 100
260 23.0 19.1 28.7
265 20.8 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.954 ng

RT: 17.074 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF131173.D

Acq: 12 Nov 2022 02:00

Instrument :

BNA_F

ClientSampleId :

RM-10

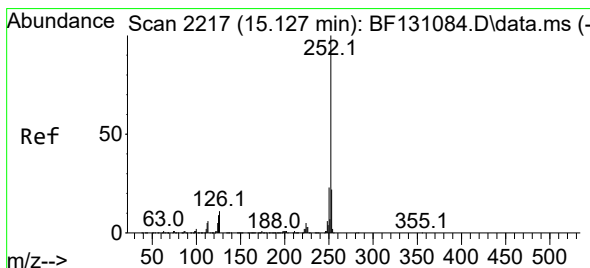
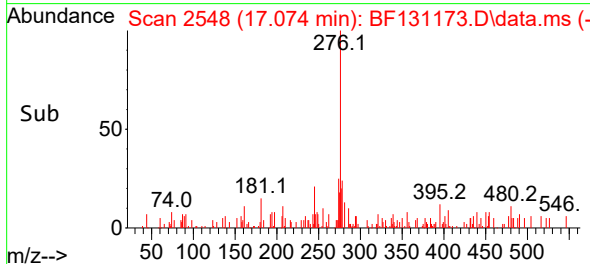
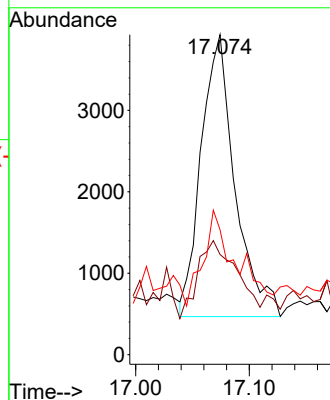
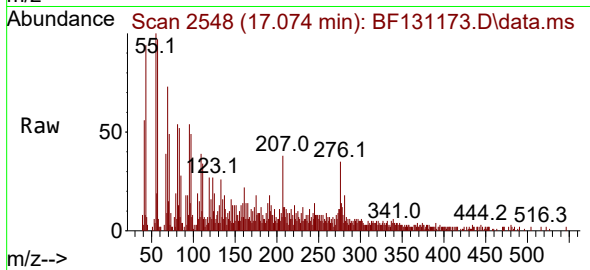
Tgt Ion:276 Resp: 7154

Ion Ratio Lower Upper

276 100

138 32.4 16.9 25.3#

277 32.6 20.3 30.5#



#88

Benzo(b)fluoranthene

Concen: 3.655 ng

RT: 15.121 min Scan# 2216

Delta R.T. 0.018 min

Lab File: BF131173.D

Acq: 12 Nov 2022 02:00

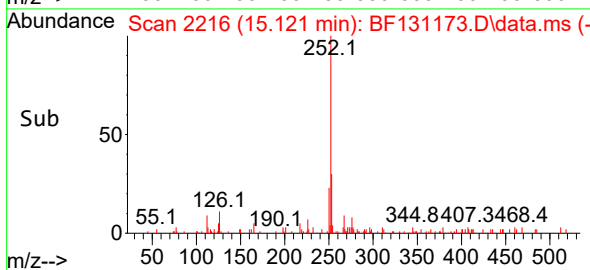
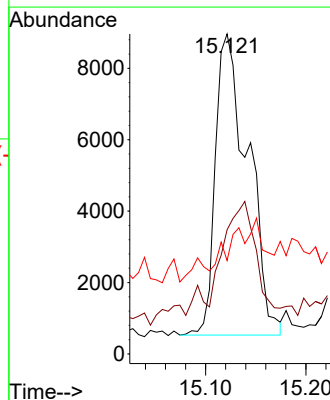
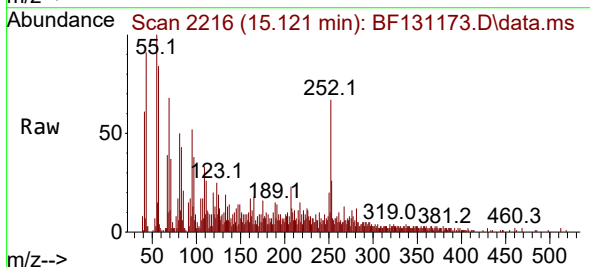
Tgt Ion:252 Resp: 19073

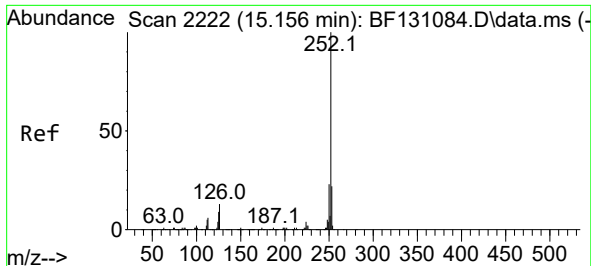
Ion Ratio Lower Upper

252 100

253 38.8 17.3 25.9#

125 29.2 7.2 10.8#

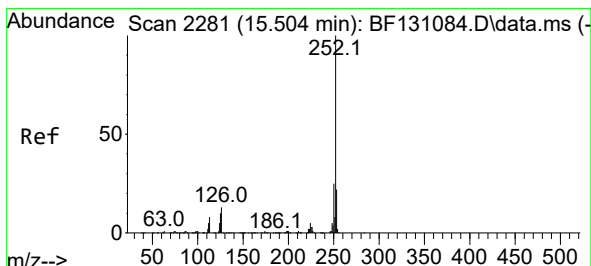
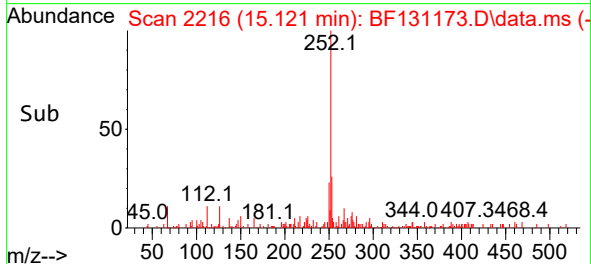
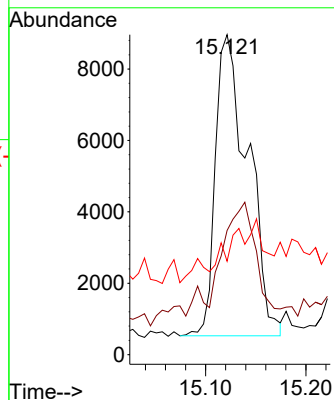
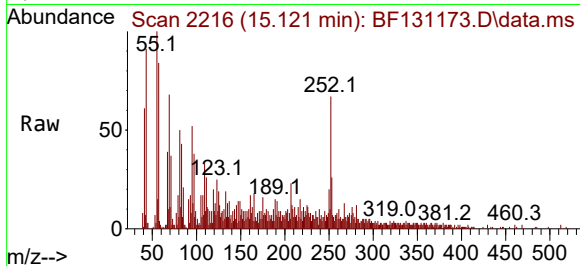




#89
Benzo(k)fluoranthene
Concen: 3.802 ng
RT: 15.121 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

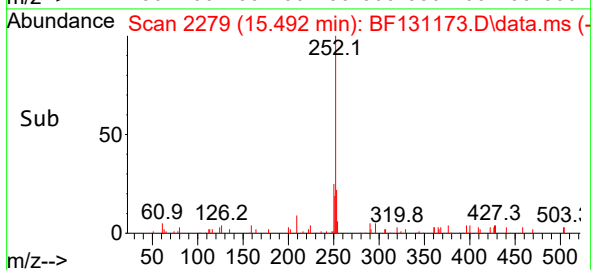
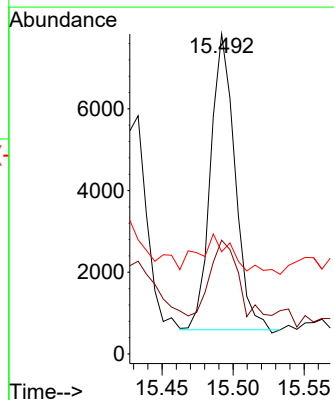
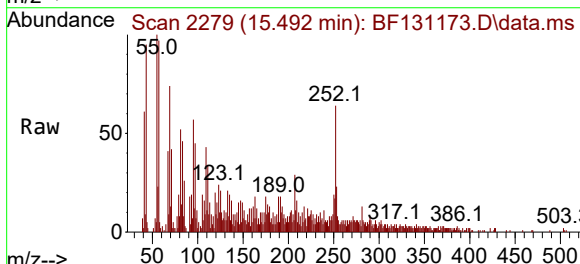
Instrument :
BNA_F
ClientSampleId :
RM-10

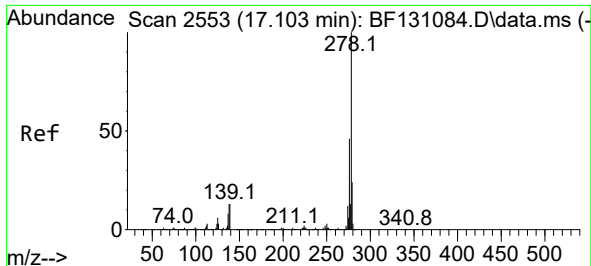
Tgt Ion:252 Resp: 19073
Ion Ratio Lower Upper
252 100
253 38.8 17.6 26.4#
125 29.2 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 2.066 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.012 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

Tgt Ion:252 Resp: 8642
Ion Ratio Lower Upper
252 100
253 35.6 17.8 26.8#
125 32.0 8.1 12.1#

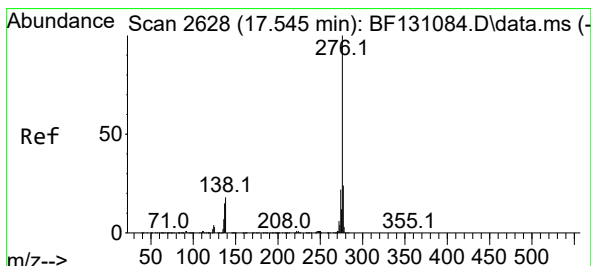
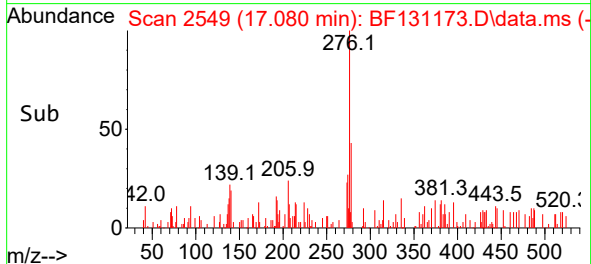
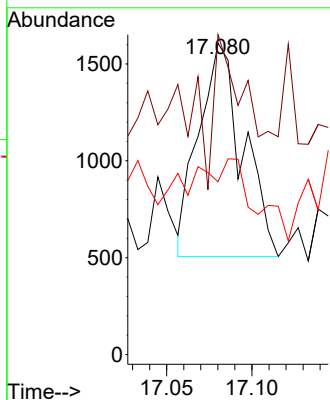
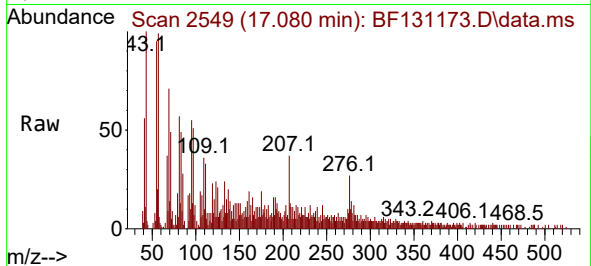




#91
Dibenzo(a,h)anthracene
Concen: 4.213 ng
RT: 17.080 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

Instrument :
BNA_F
ClientSampleId :
RM-10

Tgt Ion: 278 Resp: 1990
Ion Ratio Lower Upper
278 100
139 102.7 10.8 16.2#
279 55.5 19.2 28.8#



#92
Benzo(g,h,i)perylene
Concen: 5.657 ng
RT: 17.533 min Scan# 2626
Delta R.T. 0.018 min
Lab File: BF131173.D
Acq: 12 Nov 2022 02:00

Tgt Ion: 276 Resp: 7375
Ion Ratio Lower Upper
276 100
277 40.1 19.0 28.4#
138 39.0 14.6 21.8#

