

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
 Data File : BF136037.D
 Acq On : 30 Oct 2023 20:02
 Operator : CG\JU
 Sample : 05062-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-102523

Quant Time: Oct 31 01:41:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

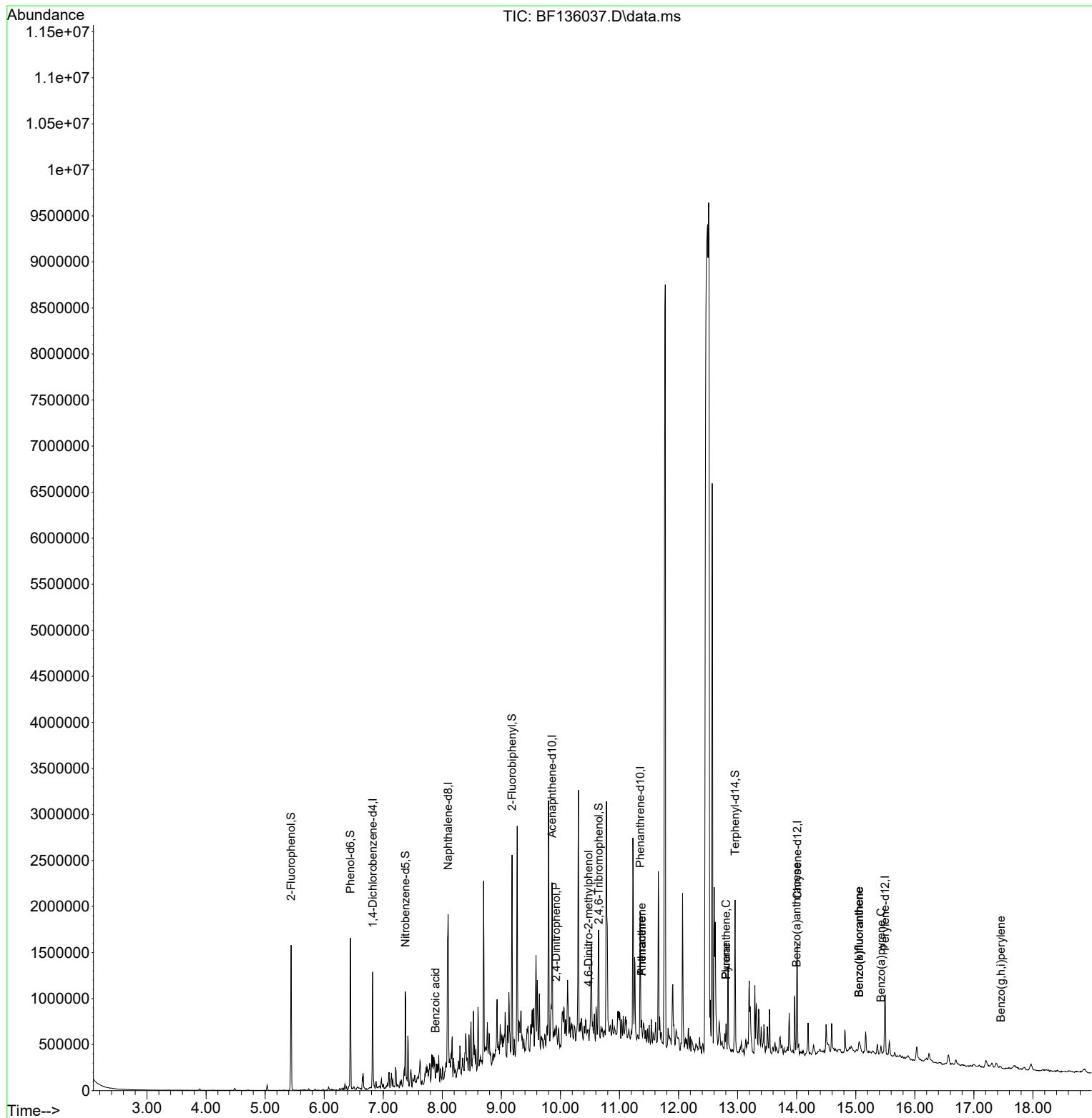
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	172610	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	646854	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	321216	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	505387	20.000	ng	0.00
76) Chrysene-d12	14.010	240	389503	20.000	ng	0.00
86) Perylene-d12	15.498	264	323349	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	397121	36.153	ng	-0.01
7) Phenol-d6	6.445	99	493475	36.057	ng	-0.01
23) Nitrobenzene-d5	7.375	82	294058	27.404	ng	-0.02
42) 2,4,6-Tribromophenol	10.651	330	114181	33.303	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	587741	29.168	ng	0.00
79) Terphenyl-d14	12.957	244	530724	21.175	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	7.887	122	911	5.223	ng	# 5
54) 2,4-Dinitrophenol	9.928	184	55	7.997	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.475	198	292	5.883	ng	# 1
71) Phenanthrene	11.375	178	57034	2.241	ng	97
72) Anthracene	11.375	178	57034	2.187	ng	96
75) Fluoranthene	12.804	202	94711	3.623	ng	98
78) Pyrene	12.804	202	94793	2.760	ng	98
81) Benzo(a)anthracene	13.998	228	54655	2.120	ng	# 92
88) Benzo(b)fluoranthene	15.057	252	80424	4.203	ng	# 89
89) Benzo(k)fluoranthene	15.057	252	80424	4.248	ng	# 89
90) Benzo(a)pyrene	15.427	252	38388	2.159	ng	# 90
92) Benzo(g,h,i)perylene	17.456	276	21346	3.913	ng	# 90

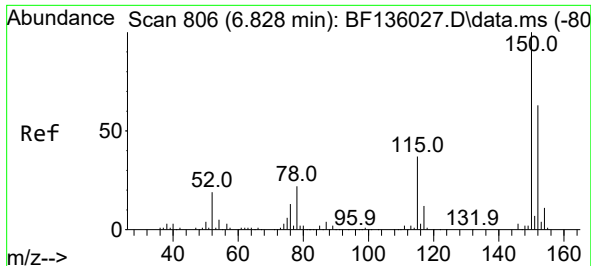
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136037.D
Acq On : 30 Oct 2023 20:02
Operator : CG\JU
Sample : 05062-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-07-102523

Quant Time: Oct 31 01:41:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration

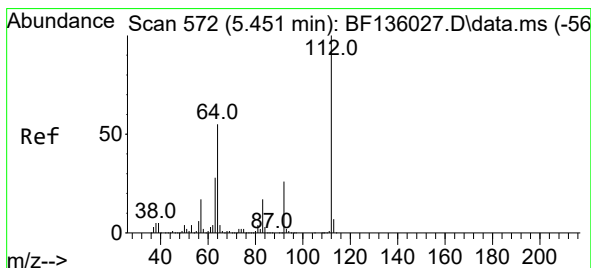
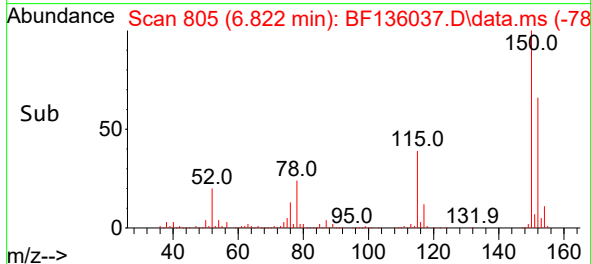
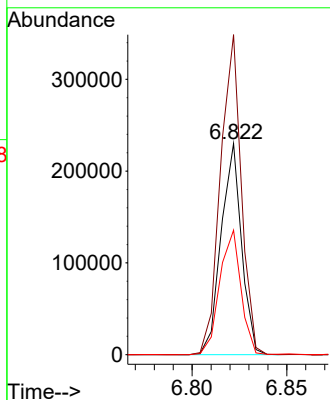
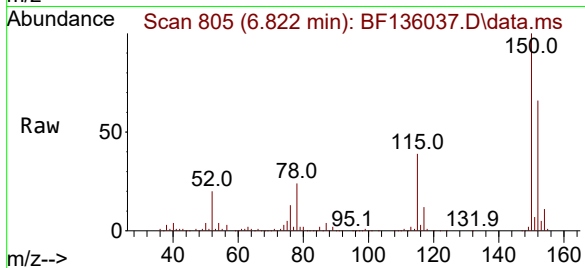




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 806
 Delta R.T. -0.006 min
 Lab File: BF136037.D
 Acq: 30 Oct 2023 20:02

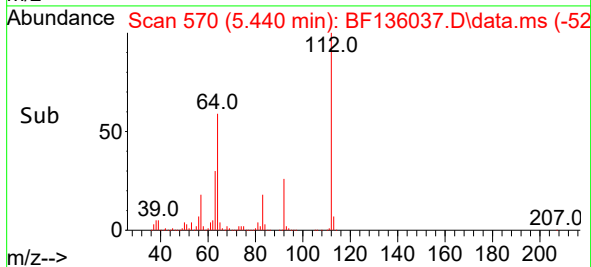
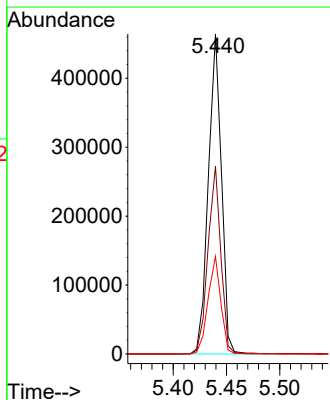
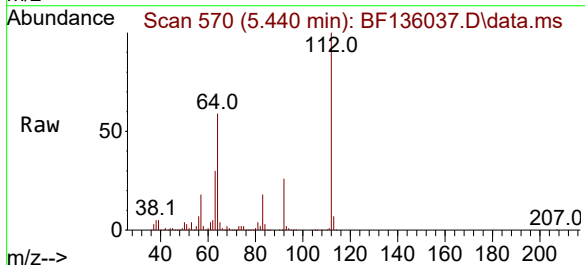
Instrument :
 BNA_F
 ClientSampleId :
 NB-07-102523

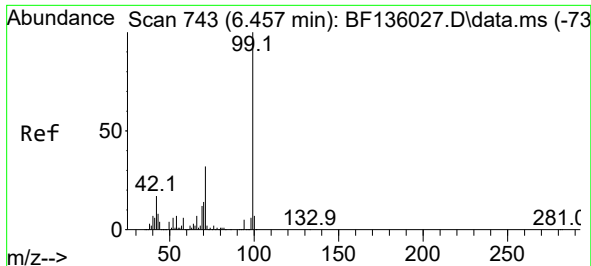
Tgt Ion:152 Resp: 172610
 Ion Ratio Lower Upper
 152 100
 150 151.5 126.4 189.6
 115 58.9 47.0 70.4



#5
 2-Fluorophenol
 Concen: 36.153 ng
 RT: 5.440 min Scan# 570
 Delta R.T. -0.012 min
 Lab File: BF136037.D
 Acq: 30 Oct 2023 20:02

Tgt Ion:112 Resp: 397121
 Ion Ratio Lower Upper
 112 100
 64 58.7 43.9 65.9
 63 30.5 22.4 33.6





#7

Phenol-d6

Concen: 36.057 ng

RT: 6.445 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF136037.D

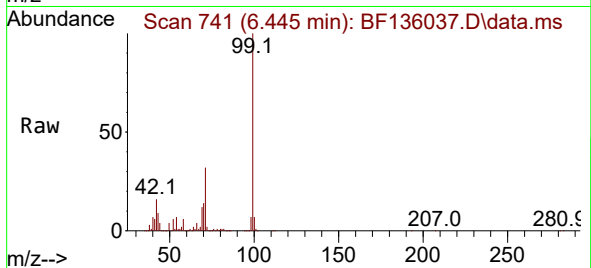
Acq: 30 Oct 2023 20:02

Instrument :

BNA_F

ClientSampleId :

NB-07-102523



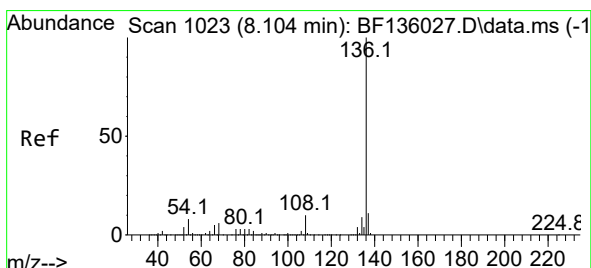
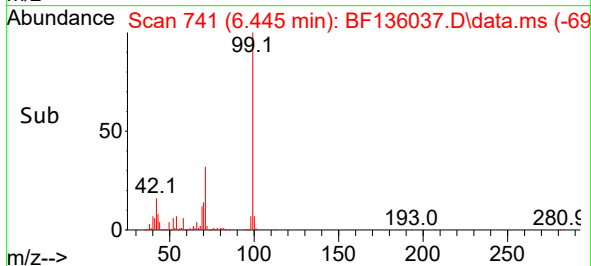
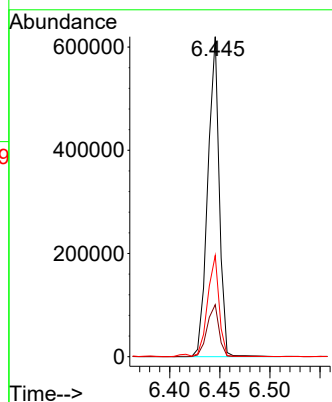
Tgt Ion: 99 Resp: 493475

Ion Ratio Lower Upper

99 100

42 16.3 13.7 20.5

71 31.6 25.9 38.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF136037.D

Acq: 30 Oct 2023 20:02

Tgt Ion: 136 Resp: 646854

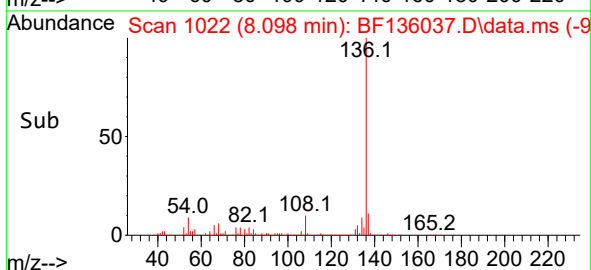
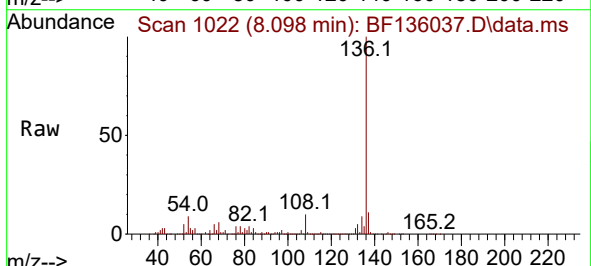
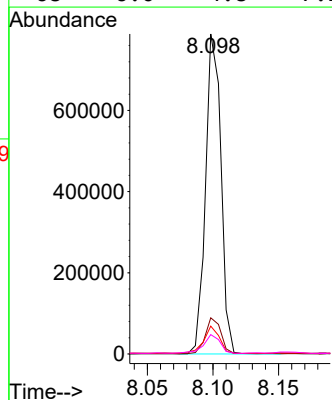
Ion Ratio Lower Upper

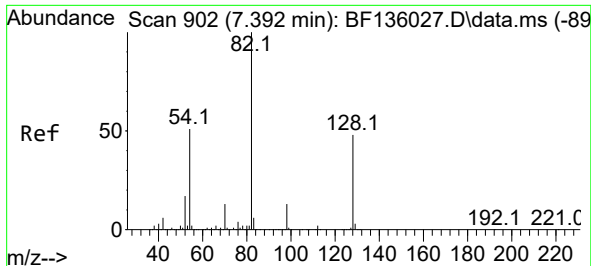
136 100

137 11.3 8.6 13.0

54 8.7 6.6 9.8

68 6.0 4.8 7.2





#23

Nitrobenzene-d5

Concen: 27.404 ng

RT: 7.375 min Scan# 89

Delta R.T. -0.017 min

Lab File: BF136037.D

Acq: 30 Oct 2023 20:02

Instrument :

BNA_F

ClientSampleId :

NB-07-102523

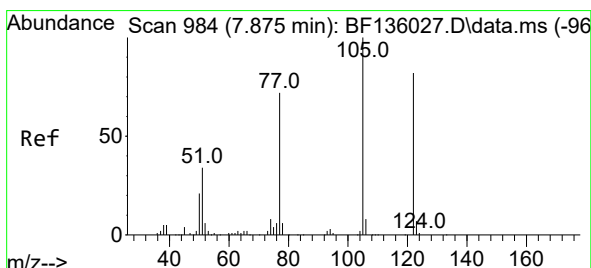
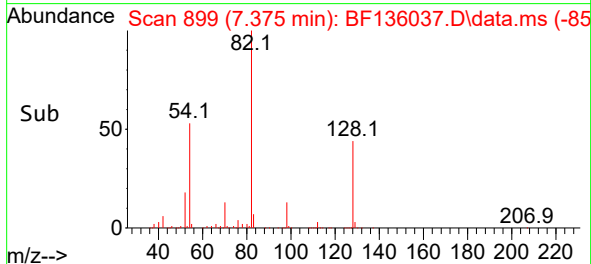
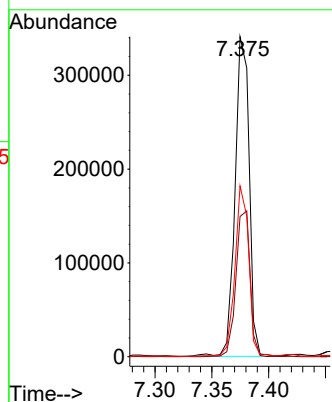
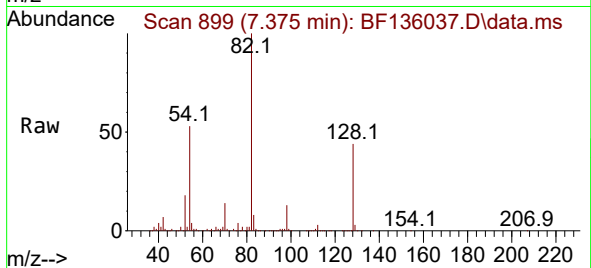
Tgt Ion: 82 Resp: 294058

Ion Ratio Lower Upper

82 100

128 43.8 38.6 57.8

54 53.3 40.8 61.2



#32

Benzoic acid

Concen: 5.223 ng

RT: 7.887 min Scan# 986

Delta R.T. 0.012 min

Lab File: BF136037.D

Acq: 30 Oct 2023 20:02

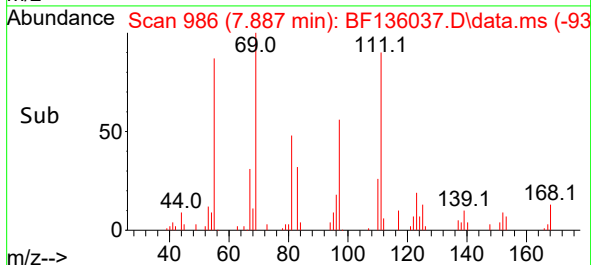
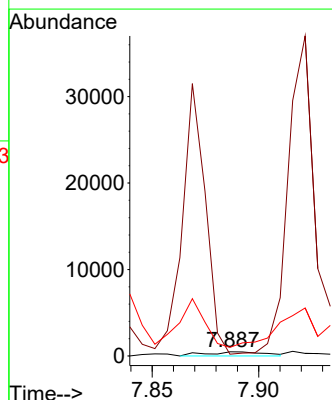
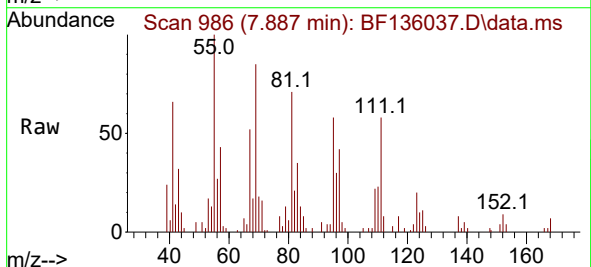
Tgt Ion:122 Resp: 911

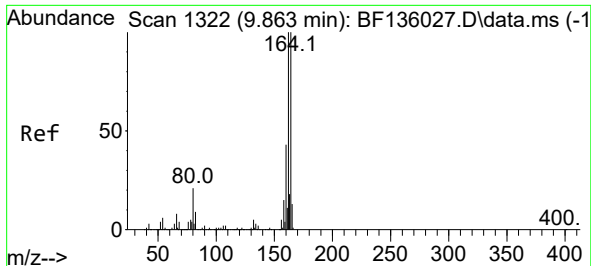
Ion Ratio Lower Upper

122 100

105 43.7 99.5 139.5#

77 207.5 66.8 106.8#

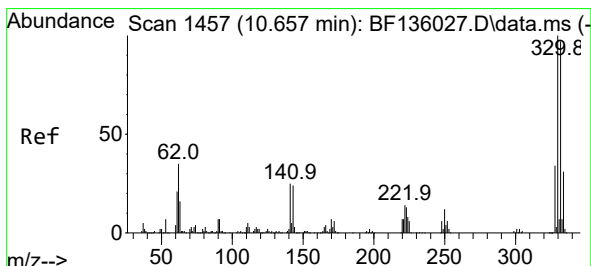
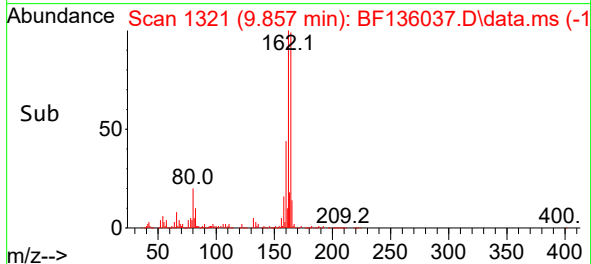
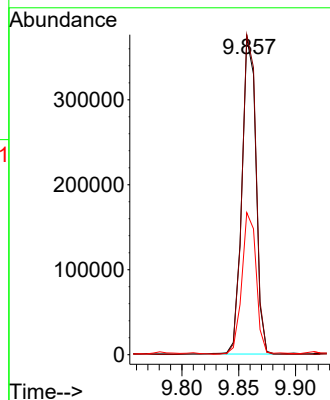
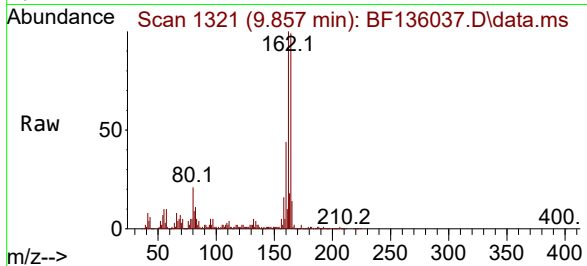




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

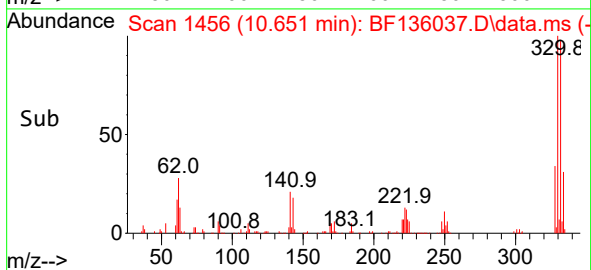
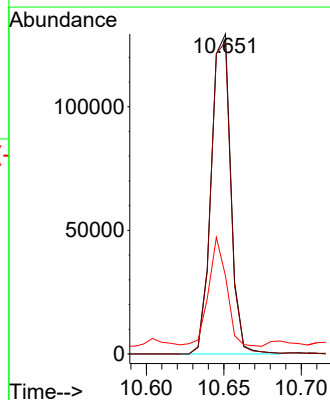
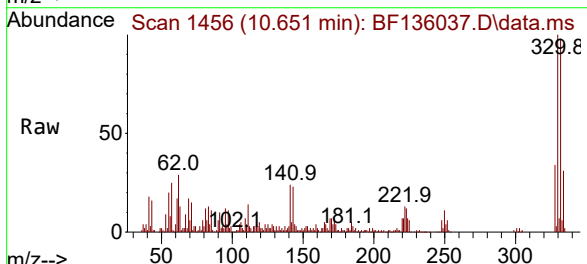
Instrument :
BNA_F
ClientSampleId :
NB-07-102523

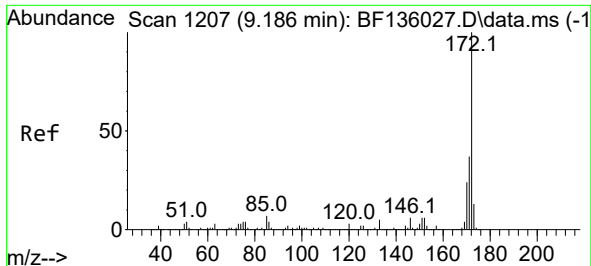
Tgt Ion:164 Resp: 321216
Ion Ratio Lower Upper
164 100
162 101.1 80.1 120.1
160 44.9 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 33.303 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

Tgt Ion:330 Resp: 114181
Ion Ratio Lower Upper
330 100
332 98.5 76.9 115.3
141 31.1 23.2 34.8

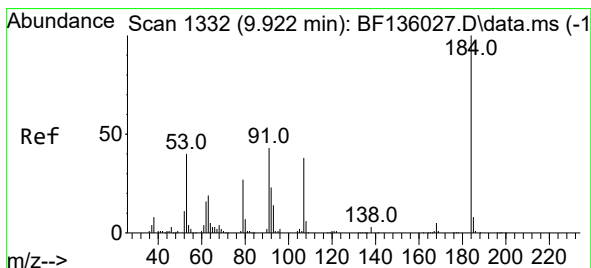
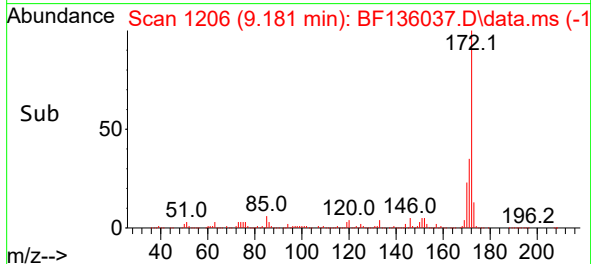
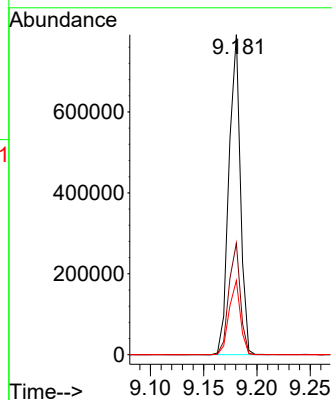
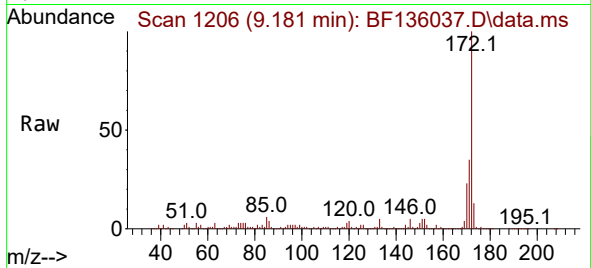




#45
2-Fluorobiphenyl
Concen: 29.168 ng
RT: 9.181 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

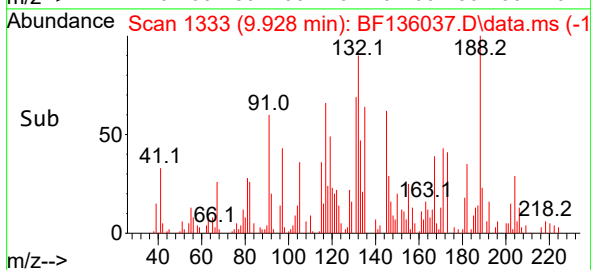
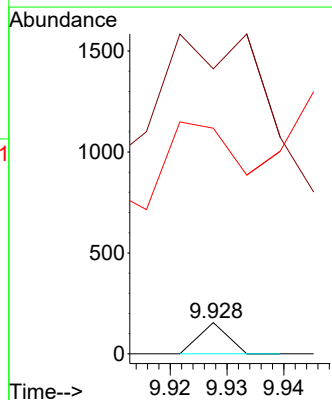
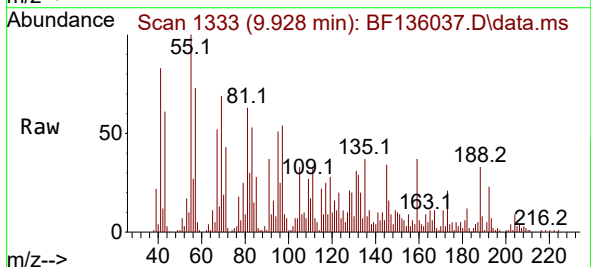
Instrument :
BNA_F
ClientSampleId :
NB-07-102523

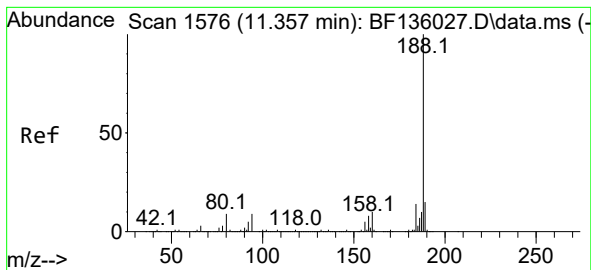
Tgt Ion:172 Resp: 587741
Ion Ratio Lower Upper
172 100
171 34.8 29.4 44.0
170 23.2 19.3 28.9



#54
2,4-Dinitrophenol
Concen: 7.997 ng
RT: 9.928 min Scan# 1333
Delta R.T. 0.006 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 911.0 43.7 65.5#
154 721.3 51.2 76.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136037.D

Acq: 30 Oct 2023 20:02

Instrument :

BNA_F

ClientSampleId :

NB-07-102523

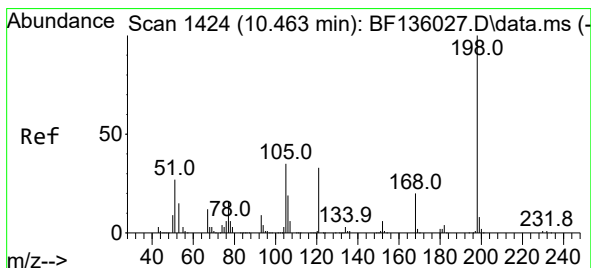
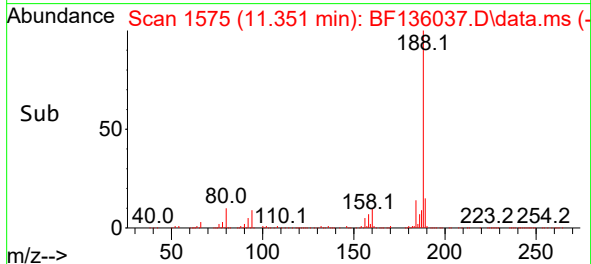
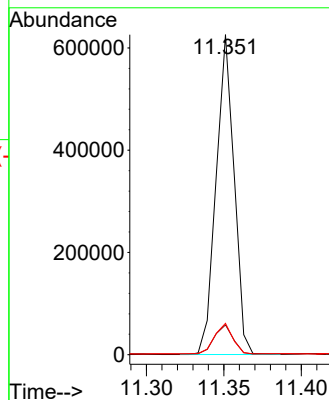
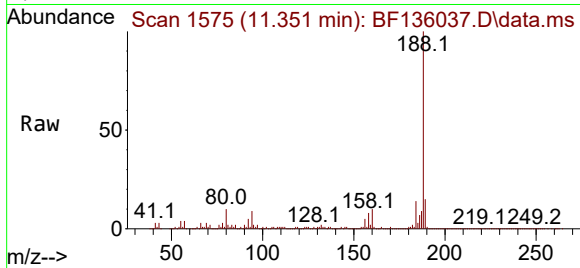
Tgt Ion:188 Resp: 505387

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

80 9.8 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 5.883 ng

RT: 10.475 min Scan# 1426

Delta R.T. 0.012 min

Lab File: BF136037.D

Acq: 30 Oct 2023 20:02

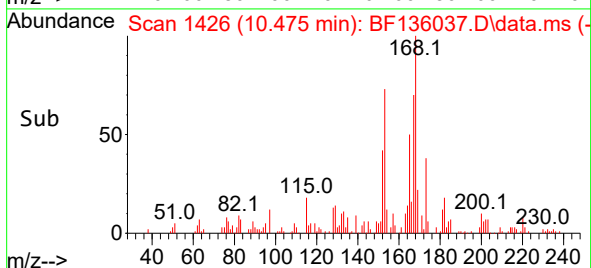
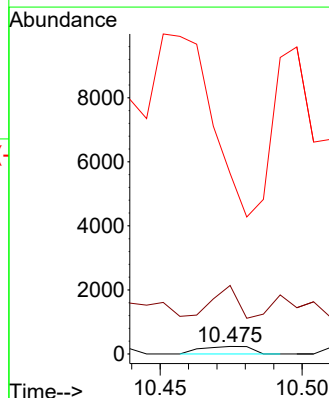
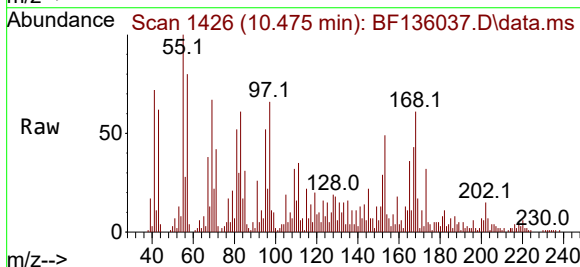
Tgt Ion:198 Resp: 292

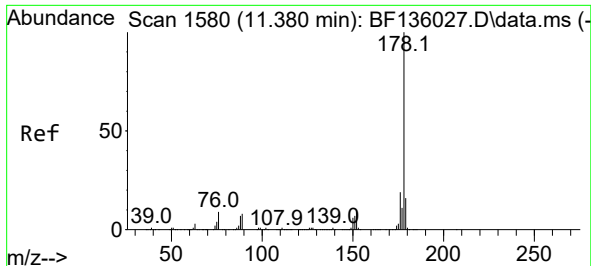
Ion Ratio Lower Upper

198 100

51 916.7 12.9 52.9#

105 2419.3 16.0 56.0#

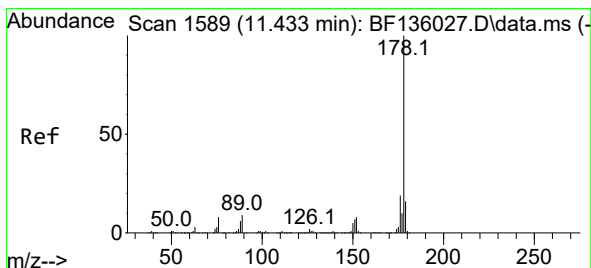
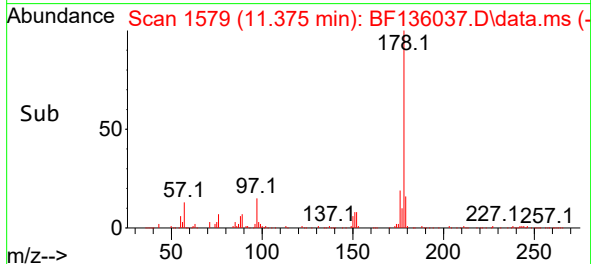
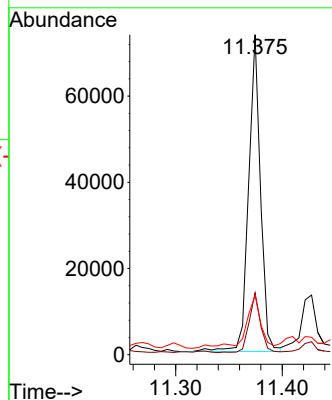
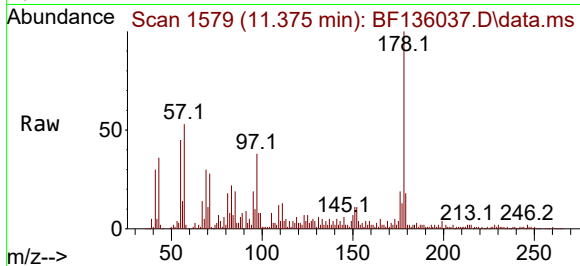




#71
Phenanthrene
Concen: 2.241 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

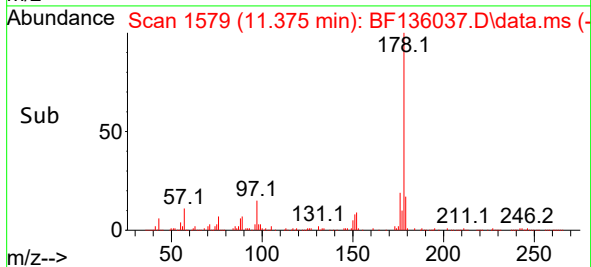
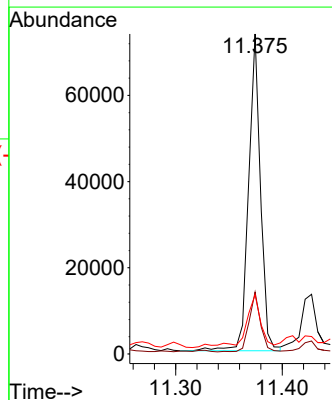
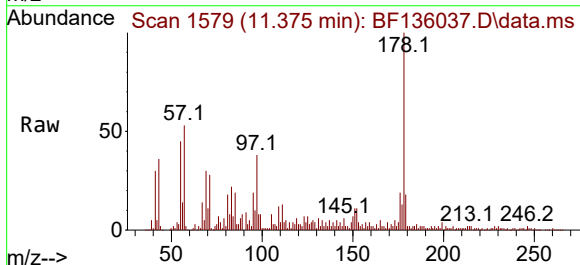
Instrument :
BNA_F
ClientSampleId :
NB-07-102523

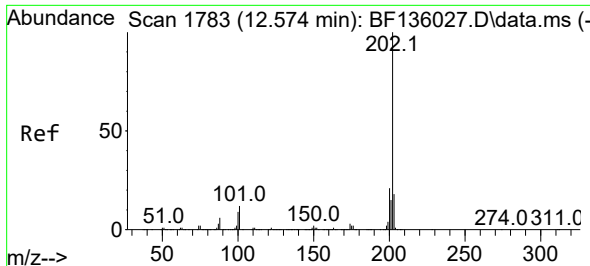
Tgt Ion:178 Resp: 57034
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 18.5 12.9 19.3



#72
Anthracene
Concen: 2.187 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.059 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

Tgt Ion:178 Resp: 57034
Ion Ratio Lower Upper
178 100
176 19.4 15.0 22.4
179 18.5 12.6 18.8

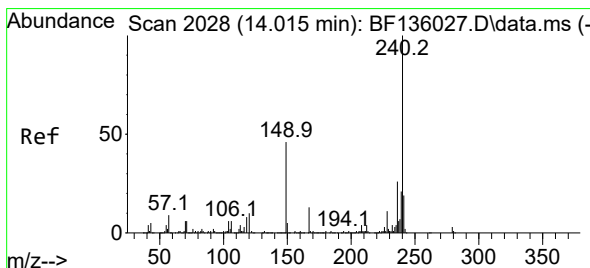
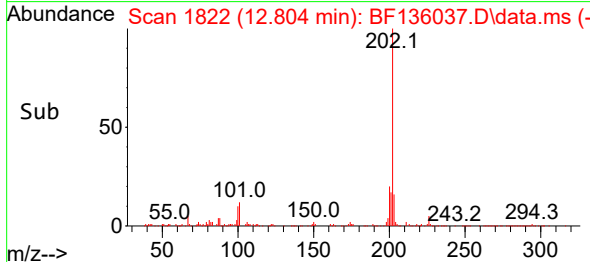
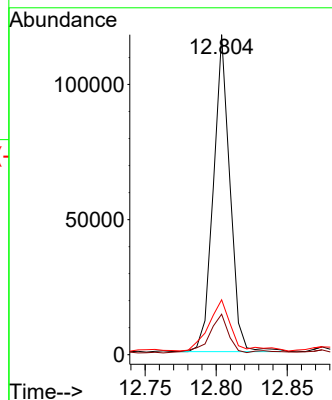
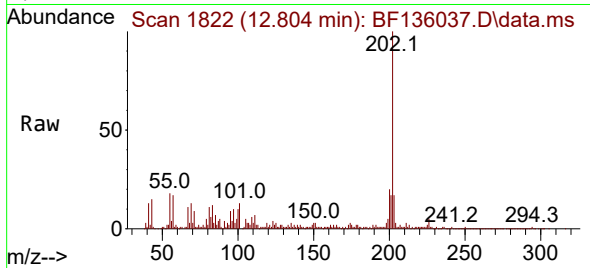




#75
Fluoranthene
Concen: 3.623 ng
RT: 12.804 min Scan# 1783
Delta R.T. 0.230 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

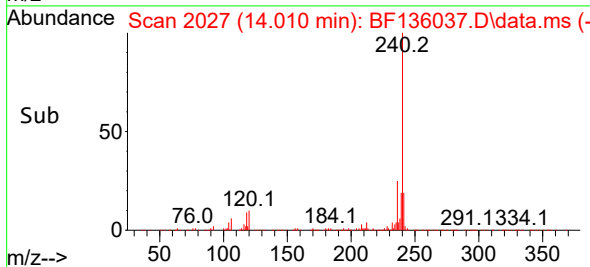
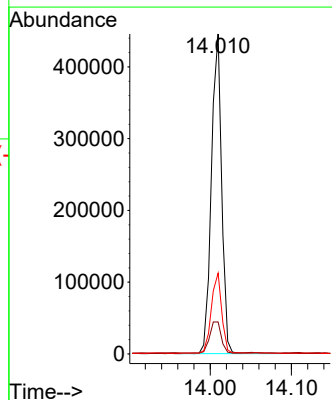
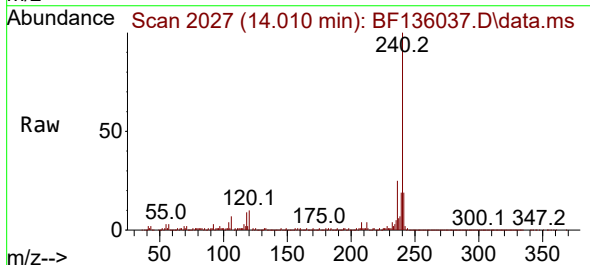
Instrument :
BNA_F
ClientSampleId :
NB-07-102523

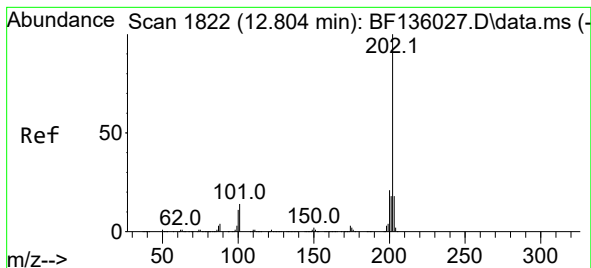
Tgt Ion:202 Resp: 94711
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.8
203 17.2 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

Tgt Ion:240 Resp: 389503
Ion Ratio Lower Upper
240 100
120 10.0 7.6 11.4
236 25.3 20.6 31.0





#78

Pyrene

Concen: 2.760 ng

RT: 12.804 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF136037.D

Acq: 30 Oct 2023 20:02

Instrument :

BNA_F

ClientSampleId :

NB-07-102523

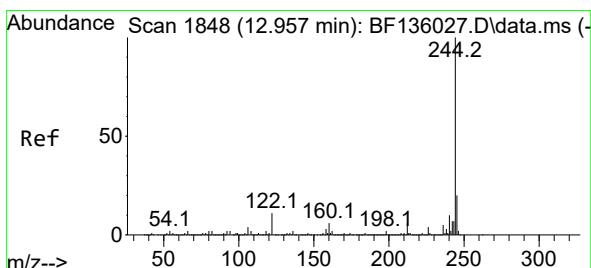
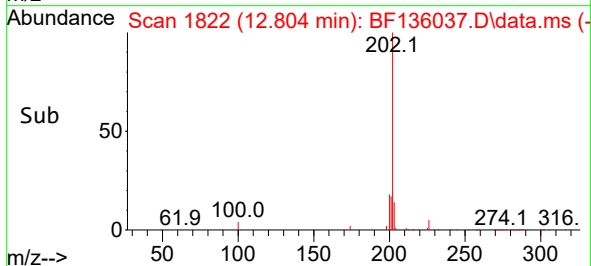
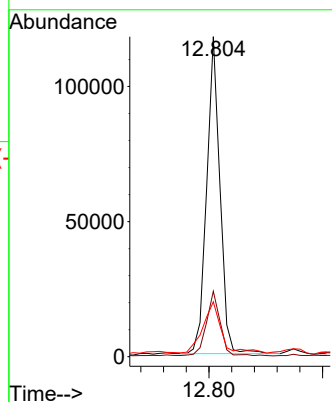
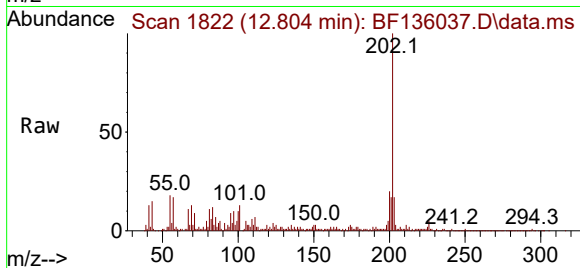
Tgt Ion:202 Resp: 94793

Ion Ratio Lower Upper

202 100

200 20.5 17.0 25.4

203 17.2 14.4 21.6



#79

Terphenyl-d14

Concen: 21.175 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BF136037.D

Acq: 30 Oct 2023 20:02

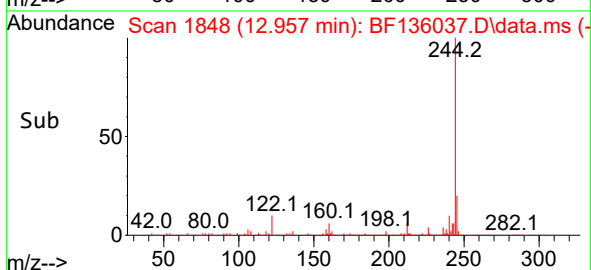
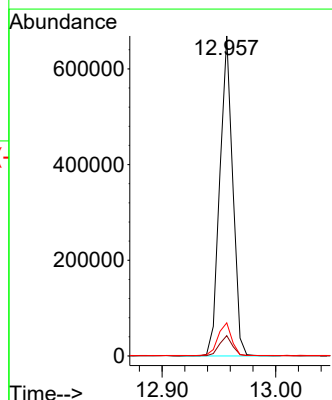
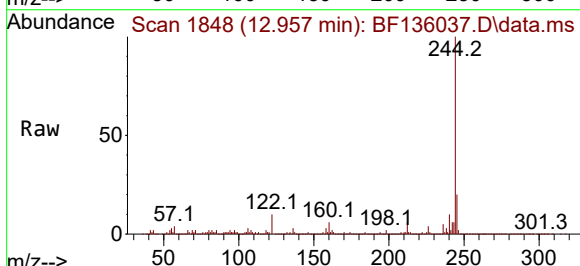
Tgt Ion:244 Resp: 530724

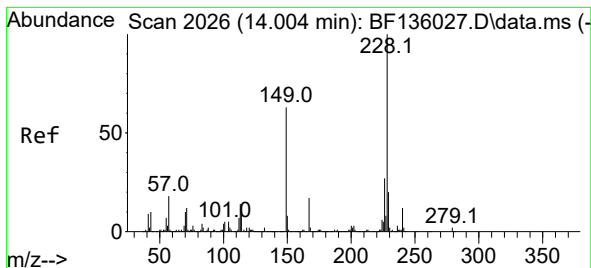
Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 10.4 8.6 12.8





#81

Benzo(a)anthracene

Concen: 2.120 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136037.D

Acq: 30 Oct 2023 20:02

Instrument :

BNA_F

ClientSampleId :

NB-07-102523

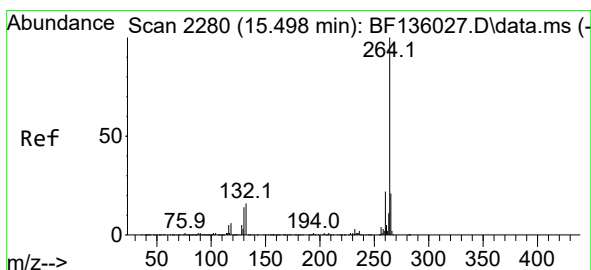
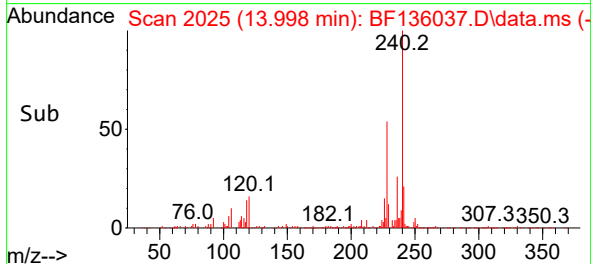
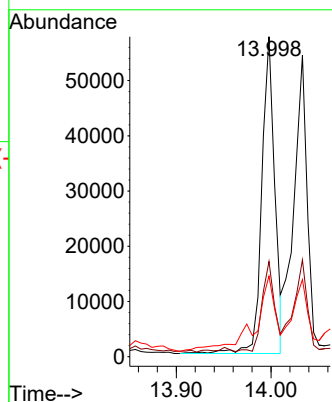
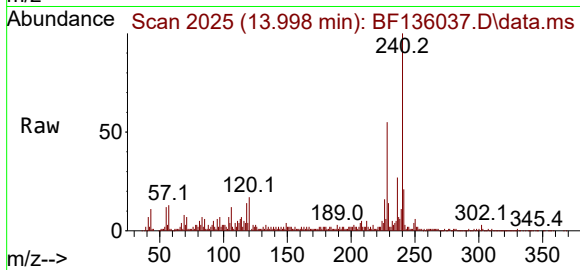
Tgt Ion:228 Resp: 54655

Ion Ratio Lower Upper

228 100

226 29.7 21.5 32.3

229 25.2 15.8 23.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2280

Delta R.T. 0.000 min

Lab File: BF136037.D

Acq: 30 Oct 2023 20:02

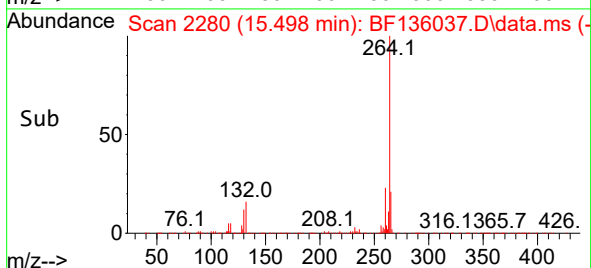
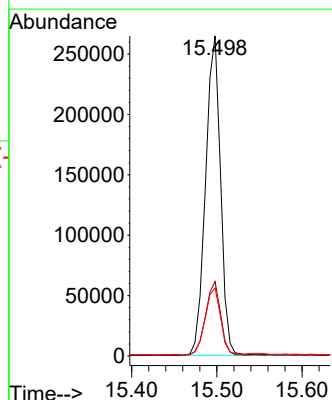
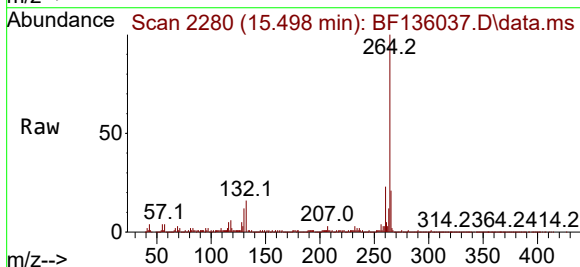
Tgt Ion:264 Resp: 323349

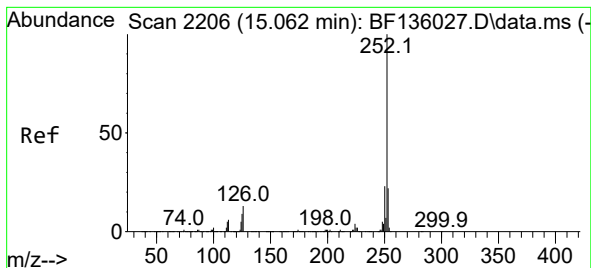
Ion Ratio Lower Upper

264 100

260 23.2 17.9 26.9

265 21.3 16.8 25.2





#88

Benzo(b)fluoranthene

Concen: 4.203 ng

RT: 15.057 min Scan# 2205

Delta R.T. -0.006 min

Lab File: BF136037.D

Acq: 30 Oct 2023 20:02

Instrument :

BNA_F

ClientSampleId :

NB-07-102523

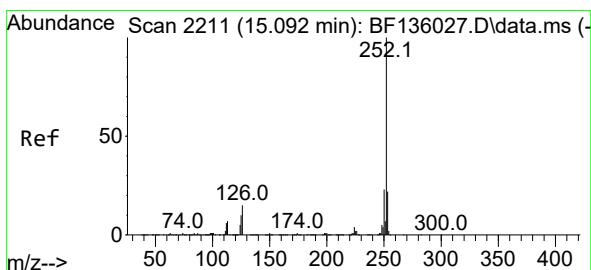
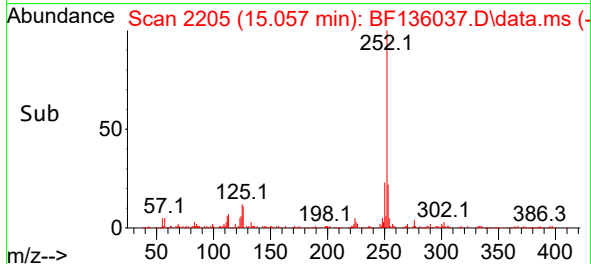
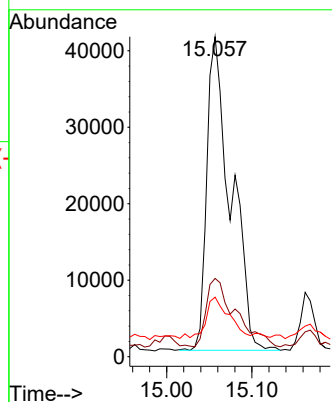
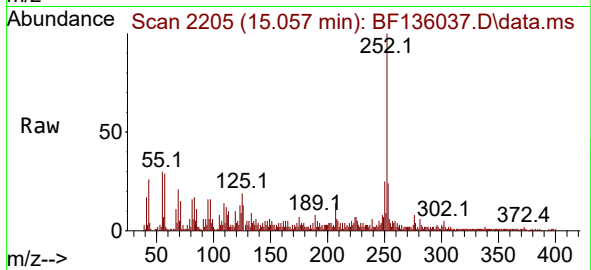
Tgt Ion:252 Resp: 80424

Ion Ratio Lower Upper

252 100

253 24.5 17.7 26.5

125 18.6 7.5 11.3#



#89

Benzo(k)fluoranthene

Concen: 4.248 ng

RT: 15.057 min Scan# 2205

Delta R.T. -0.035 min

Lab File: BF136037.D

Acq: 30 Oct 2023 20:02

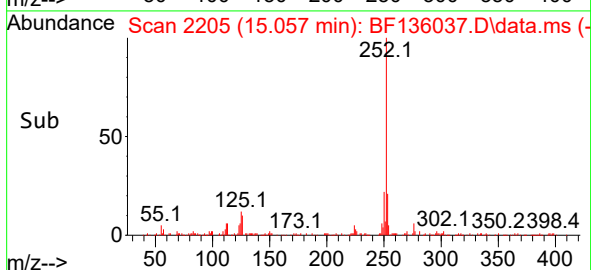
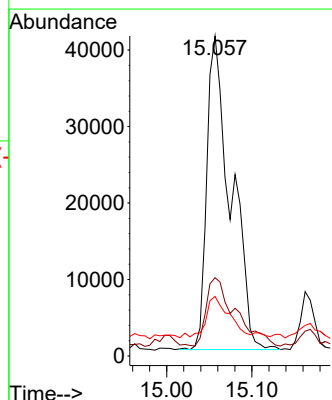
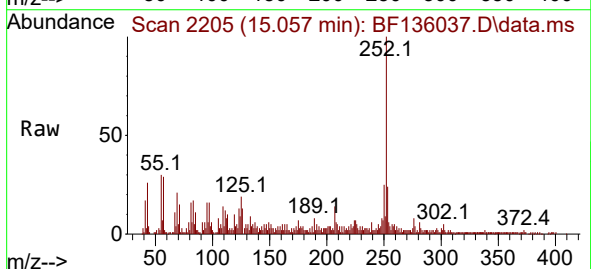
Tgt Ion:252 Resp: 80424

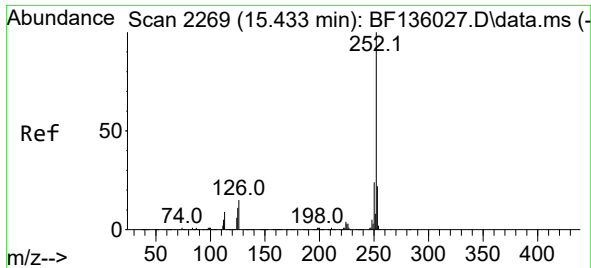
Ion Ratio Lower Upper

252 100

253 24.5 17.4 26.0

125 18.6 8.0 12.0#

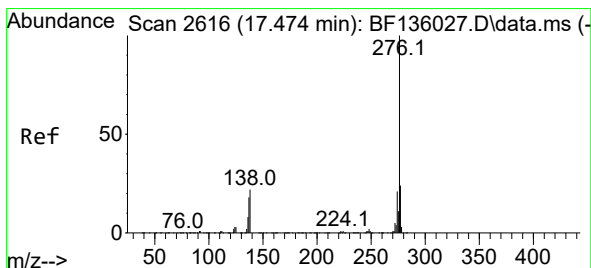
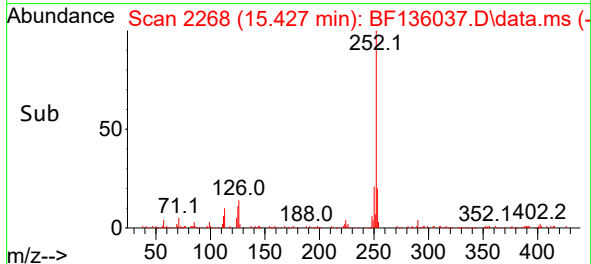
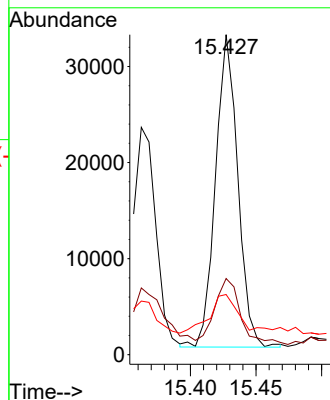
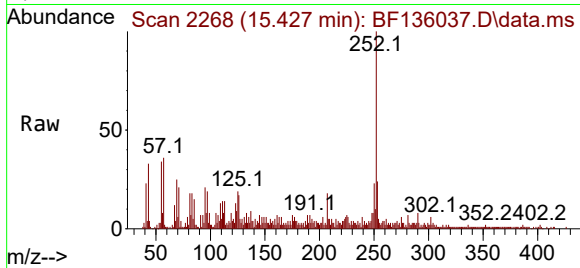




#90
Benzo(a)pyrene
Concen: 2.159 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

Instrument :
BNA_F
ClientSampleId :
NB-07-102523

Tgt Ion:252 Resp: 38388
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 18.8 9.0 13.6#



#92
Benzo(g,h,i)perylene
Concen: 3.913 ng
RT: 17.456 min Scan# 2613
Delta R.T. -0.018 min
Lab File: BF136037.D
Acq: 30 Oct 2023 20:02

Tgt Ion:276 Resp: 21346
Ion Ratio Lower Upper
276 100
277 28.9 19.0 28.4#
138 26.3 17.4 26.2#

