

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110323\
 Data File : BF136133.D
 Acq On : 03 Nov 2023 19:40
 Operator : CG\JU
 Sample : 05141-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-2

Quant Time: Nov 04 00:11:53 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

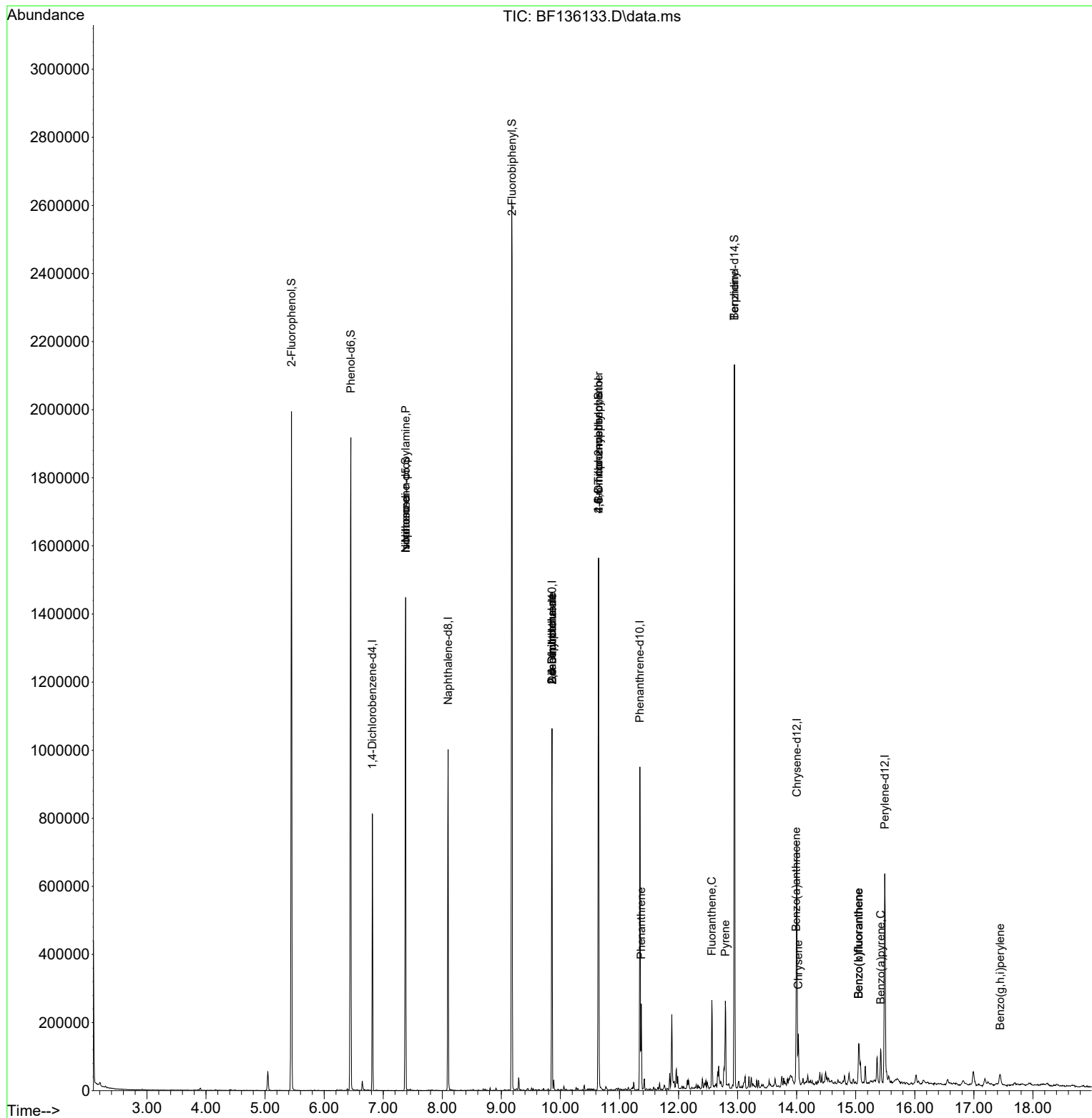
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	106077	20.000	ng	-0.01
21) Naphthalene-d8	8.098	136	399792	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	196007	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	316609	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	224041	20.000	ng	-0.01
86) Perylene-d12	15.492	264	284033	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	544673	80.687	ng	0.00
7) Phenol-d6	6.451	99	673679	80.098	ng	0.00
23) Nitrobenzene-d5	7.381	82	418716	63.136	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	171872	82.152	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	804269	65.410	ng	0.00
79) Terphenyl-d14	12.945	244	741818	51.455	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.381	70	54695	11.381	ng	# 75
25) Isophorone	7.381	82	417693	33.361	ng	# 64
50) Dimethylphthalate	9.857	163	40530	3.135	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	25667	9.282	ng	# 28
57) 2,4-Dinitrotoluene	9.857	165	25667	7.336	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.645	198	386	5.986	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	10978	3.307	ng	# 1
71) Phenanthrene	11.369	178	81063	5.085	ng	98
75) Fluoranthene	12.563	202	98500	6.015	ng	98
77) Benzidine	12.945	184	8787	2.012	ng	# 89
78) Pyrene	12.792	202	104117	5.271	ng	98
81) Benzo(a)anthracene	13.992	228	54344	3.664	ng	99
83) Chrysene	14.027	228	52632	3.603	ng	99
88) Benzo(b)fluoranthene	15.051	252	91184	5.425	ng	99
89) Benzo(k)fluoranthene	15.051	252	91184	5.483	ng	98
90) Benzo(a)pyrene	15.421	252	49379	3.162	ng	97
92) Benzo(g,h,i)perylene	17.445	276	27926	4.411	ng	95

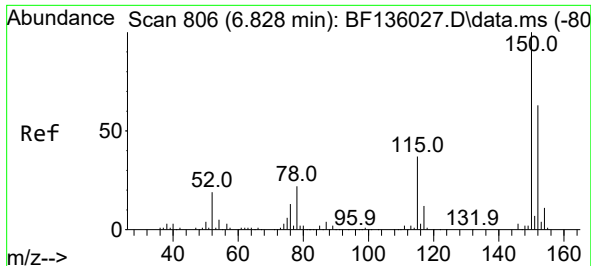
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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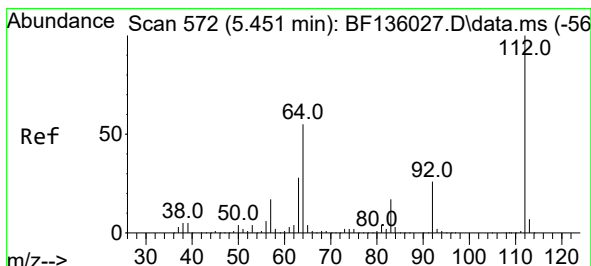
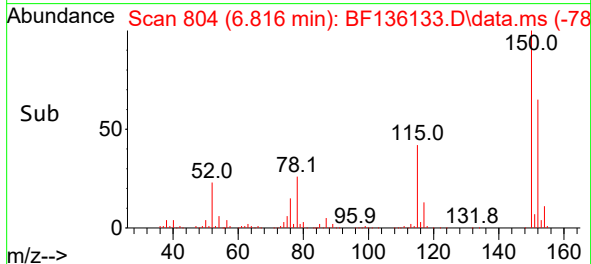
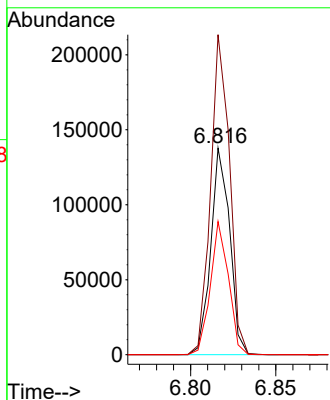
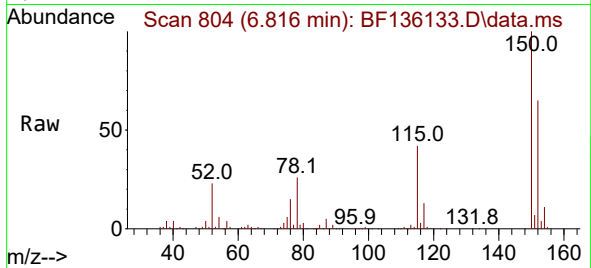




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.012 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

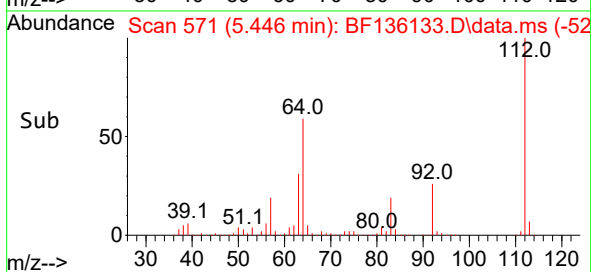
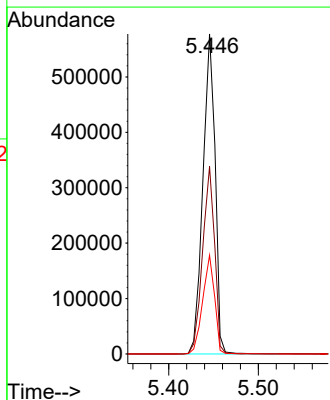
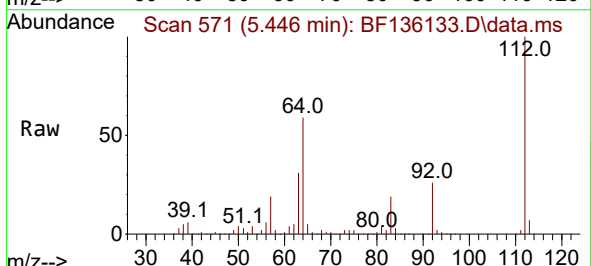
Instrument :
BNA_F
ClientSampleId :
PE-2

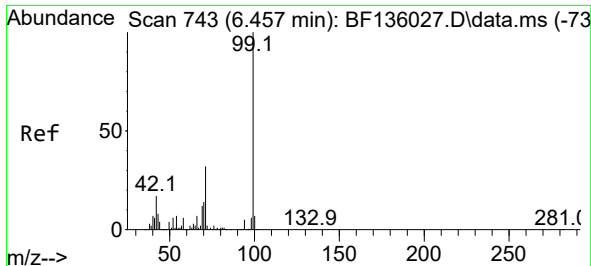
Tgt Ion:152 Resp: 106077
Ion Ratio Lower Upper
152 100
150 155.0 126.4 189.6
115 64.5 47.0 70.4



#5
2-Fluorophenol
Concen: 80.687 ng
RT: 5.446 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

Tgt Ion:112 Resp: 544673
Ion Ratio Lower Upper
112 100
64 58.6 43.9 65.9
63 30.9 22.4 33.6

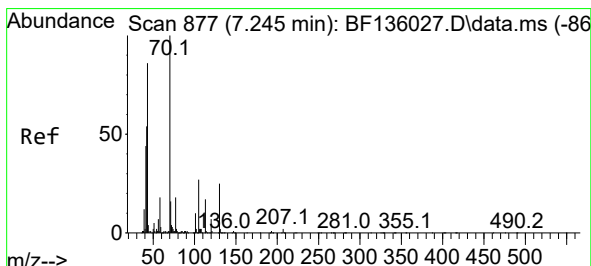
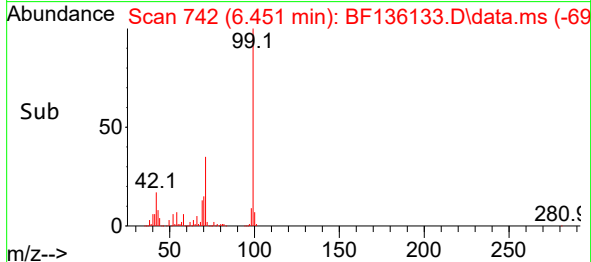
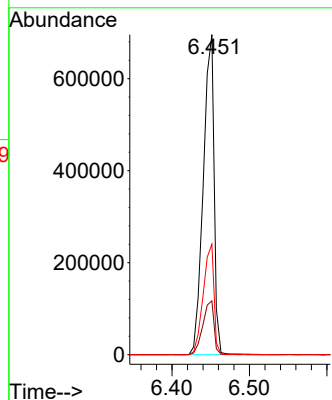
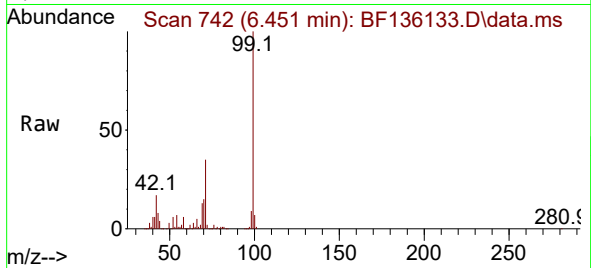




#7
Phenol-d6
Concen: 80.098 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

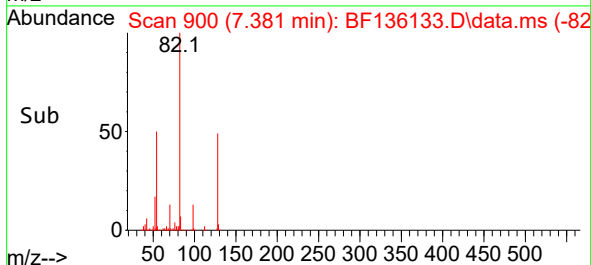
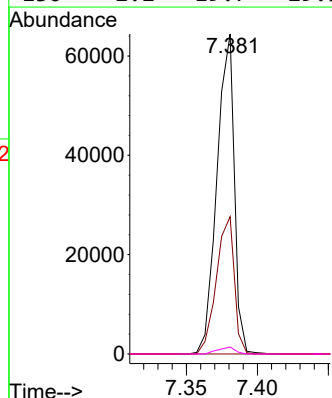
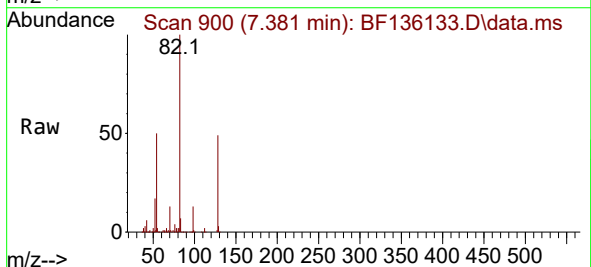
Instrument :
BNA_F
ClientSampleId :
PE-2

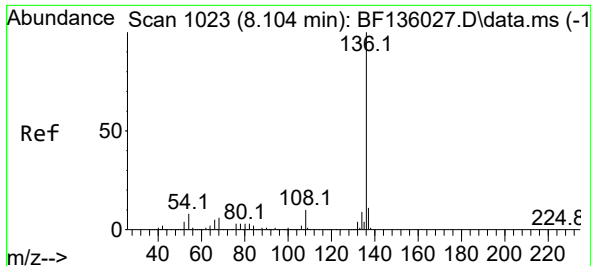
Tgt Ion: 99 Resp: 673679
Ion Ratio Lower Upper
99 100
42 16.8 13.7 20.5
71 34.5 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.381 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.136 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

Tgt Ion: 70 Resp: 54695
Ion Ratio Lower Upper
70 100
42 42.9 43.0 64.4#
101 0.0 8.0 12.0#
130 2.2 19.7 29.5#

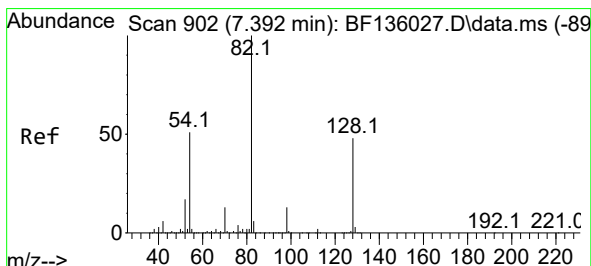
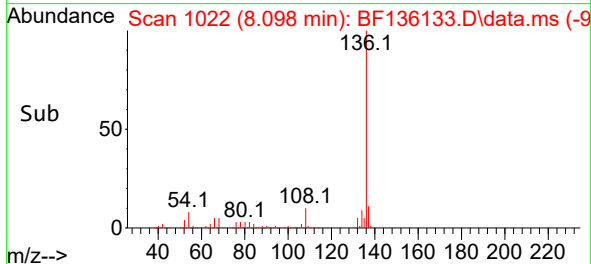
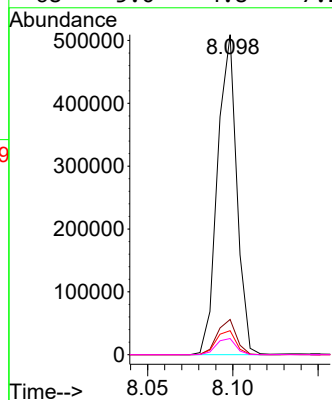
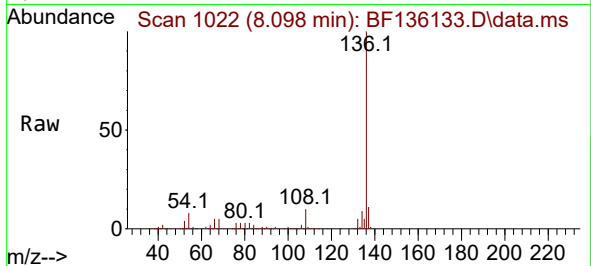




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

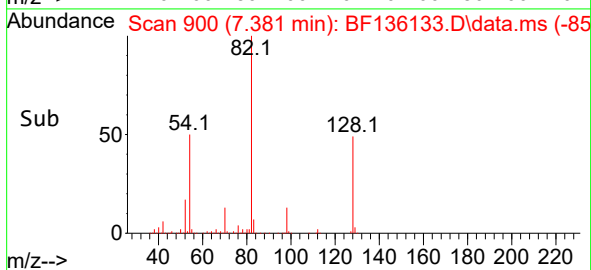
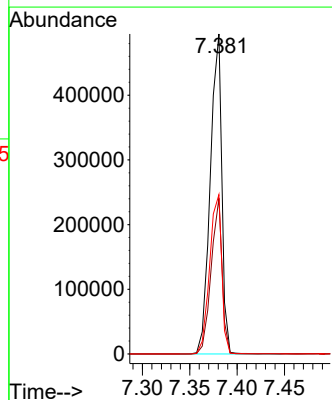
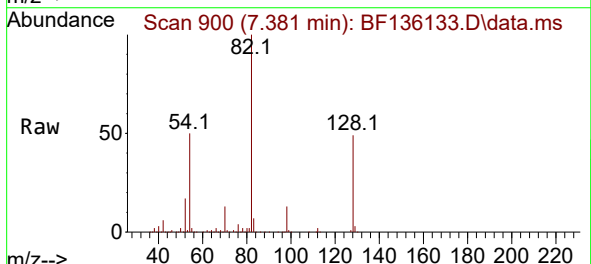
Instrument :
BNA_F
ClientSampleId :
PE-2

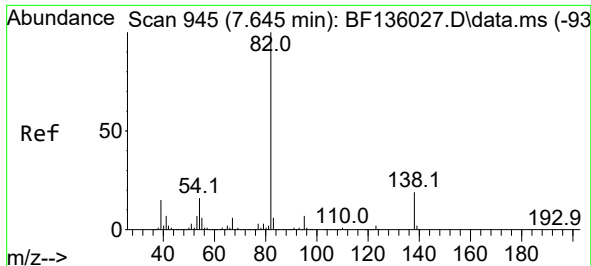
Tgt Ion	136	Resp:	399792
	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	7.5	6.6	9.8
68	5.0	4.8	7.2



#23
Nitrobenzene-d5
Concen: 63.136 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

Tgt Ion: 82	Resp: 418716
Ion Ratio	Lower Upper
82 100	
128 48.7	38.6 57.8
54 49.8	40.8 61.2

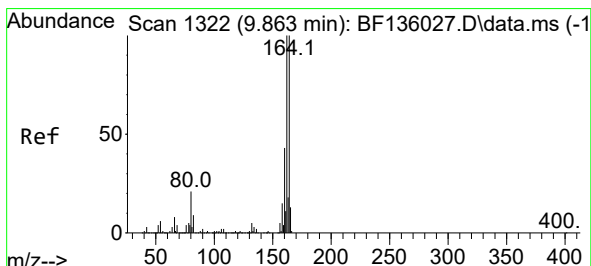
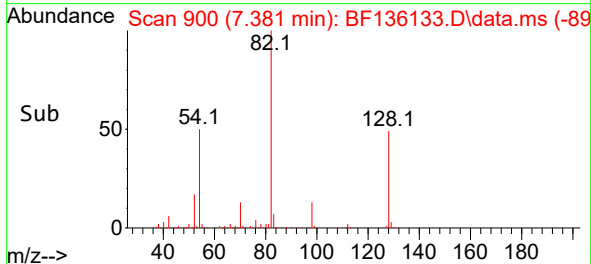
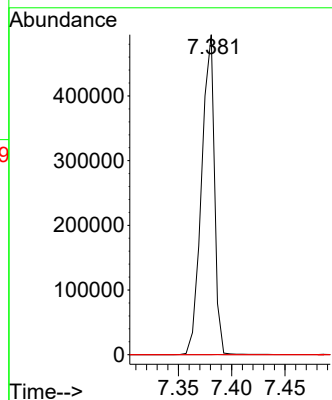
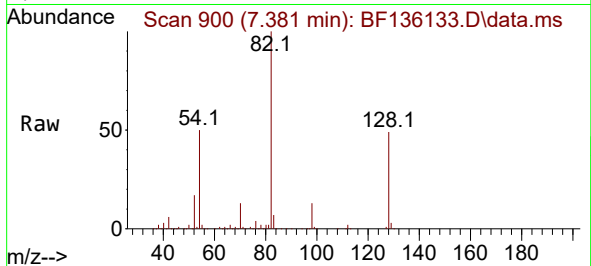




#25
Isophorone
Concen: 33.361 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

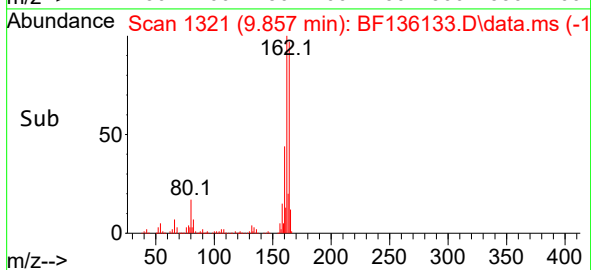
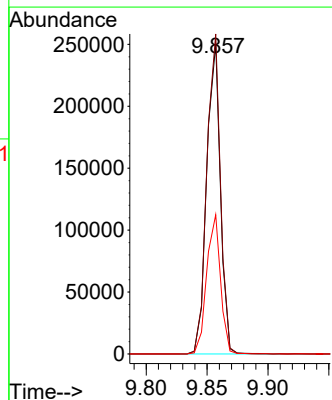
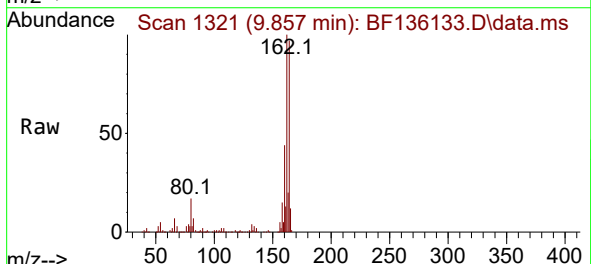
Instrument :
BNA_F
ClientSampleId :
PE-2

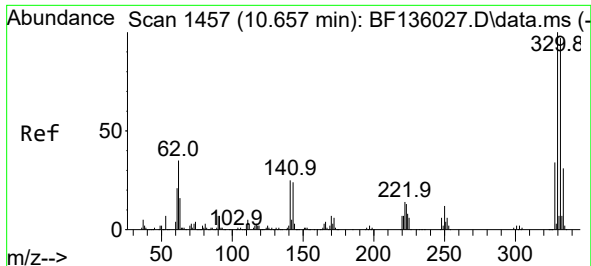
Tgt Ion: 82 Resp: 417693
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

Tgt Ion:164 Resp: 196007
Ion Ratio Lower Upper
164 100
162 103.2 80.1 120.1
160 44.9 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 82.152 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.012 min

Lab File: BF136133.D

Acq: 03 Nov 2023 19:40

Instrument :

BNA_F

ClientSampleId :

PE-2

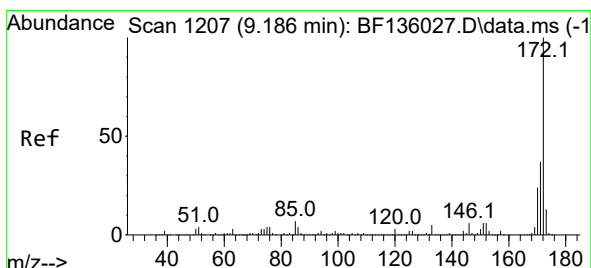
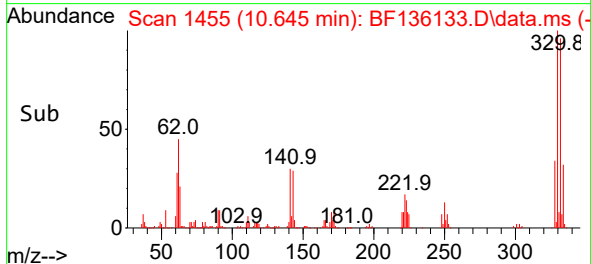
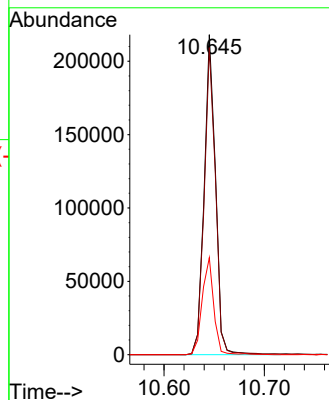
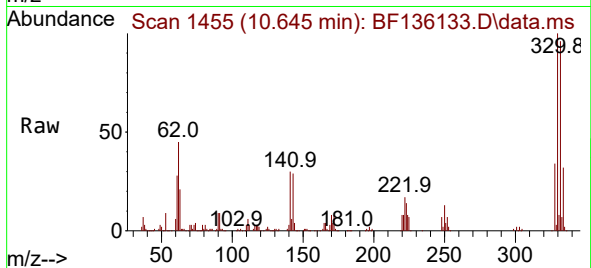
Tgt Ion:330 Resp: 171872

Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

141 31.1 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 65.410 ng

RT: 9.181 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF136133.D

Acq: 03 Nov 2023 19:40

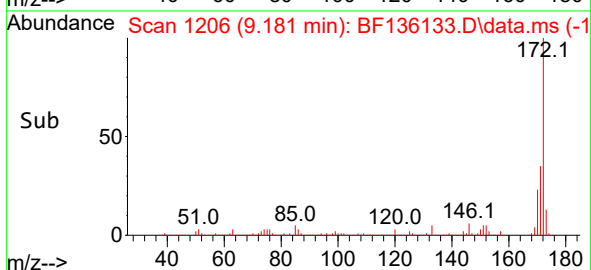
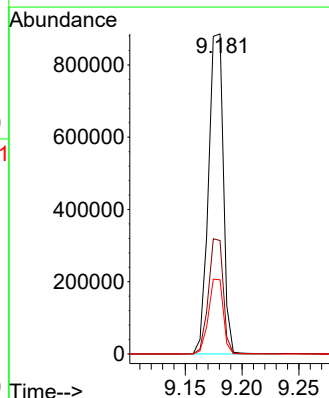
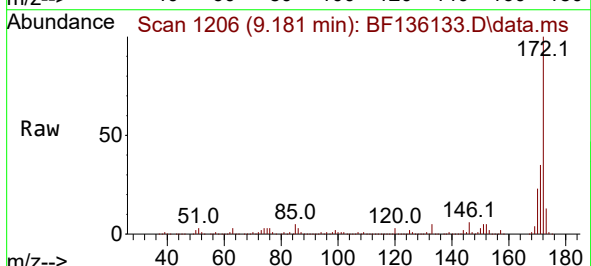
Tgt Ion:172 Resp: 804269

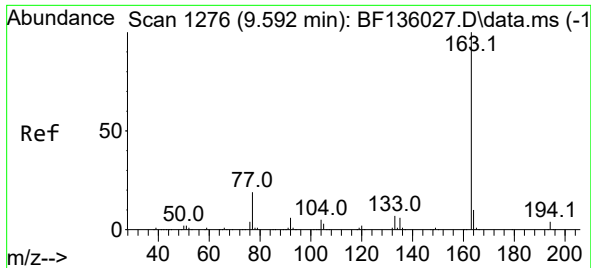
Ion Ratio Lower Upper

172 100

171 35.4 29.4 44.0

170 23.2 19.3 28.9

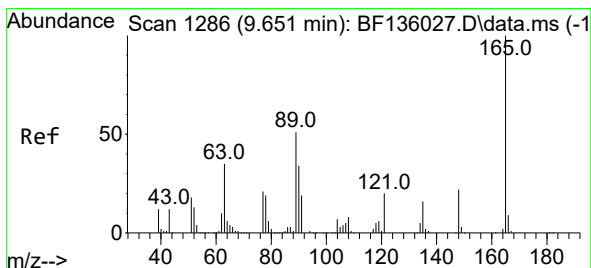
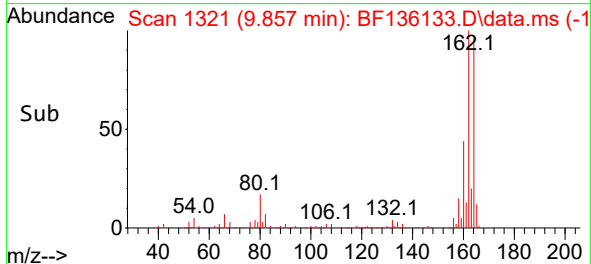
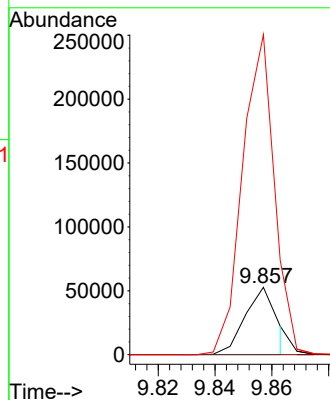
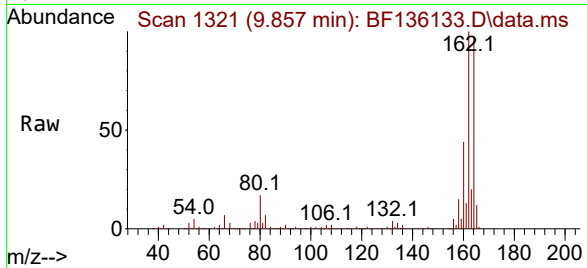




#50
Dimethylphthalate
Concen: 3.135 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.265 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

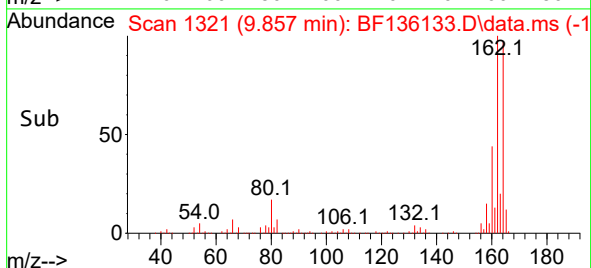
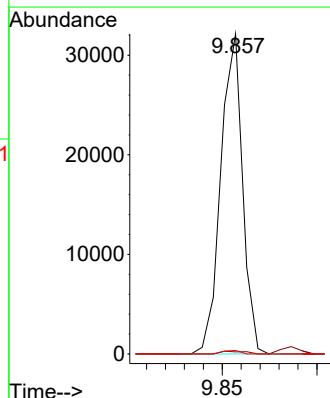
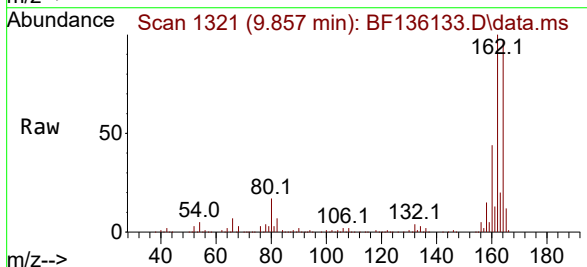
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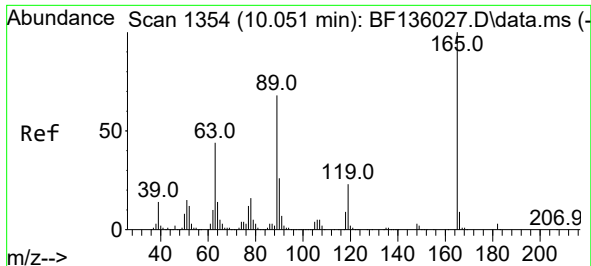
Tgt Ion:163 Resp: 40530
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 475.4 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.282 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.206 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

Tgt Ion:165 Resp: 25667
Ion Ratio Lower Upper
165 100
63 0.7 40.8 61.2#
89 1.1 41.1 61.7#

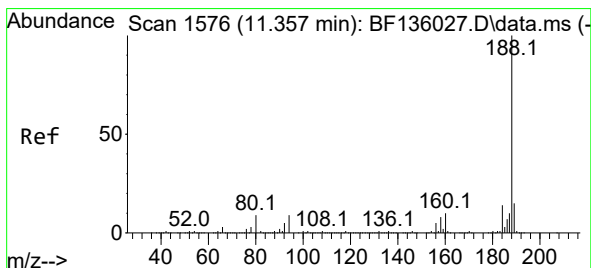
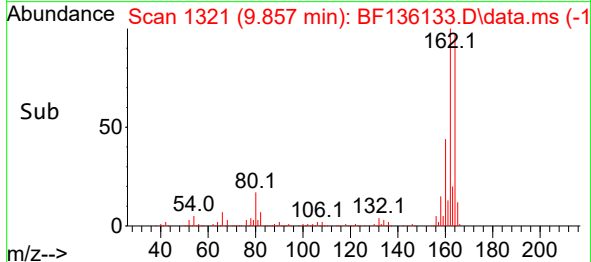
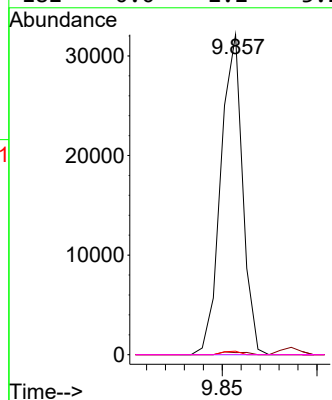
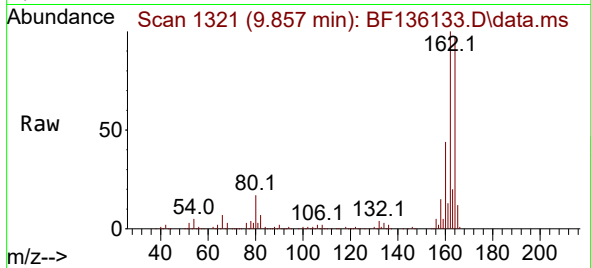




#57
2,4-Dinitrotoluene
Concen: 7.336 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

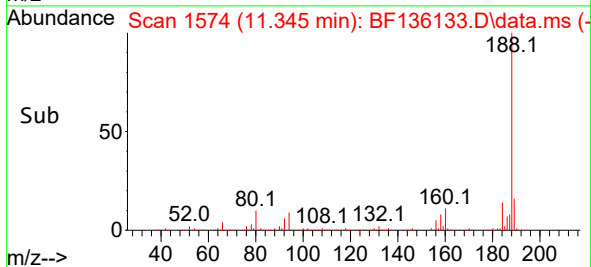
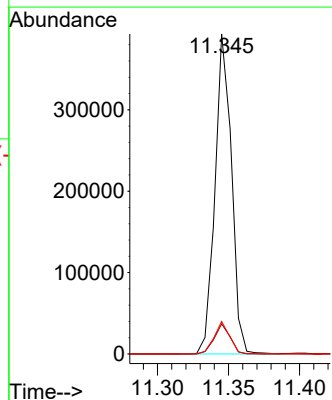
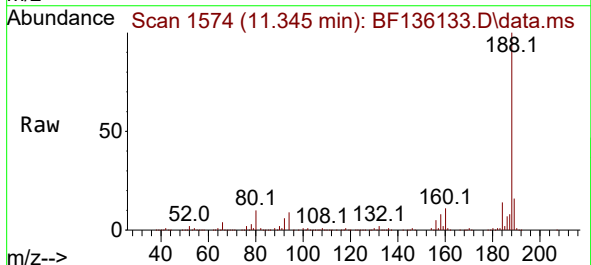
Instrument :
BNA_F
ClientSampleId :
PE-2

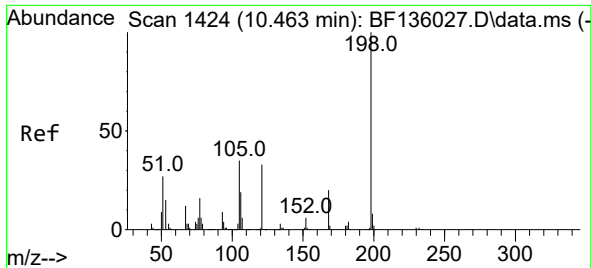
Tgt Ion:165 Resp: 25667
Ion Ratio Lower Upper
165 100
63 0.7 35.2 52.8#
89 1.1 54.8 82.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.012 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

Tgt Ion:188 Resp: 316609
Ion Ratio Lower Upper
188 100
94 9.4 7.2 10.8
80 10.1 7.4 11.0

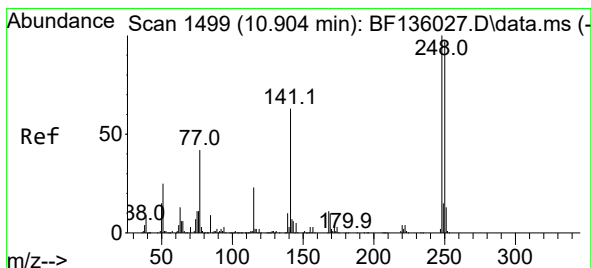
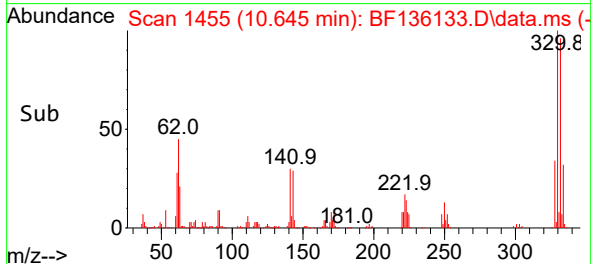
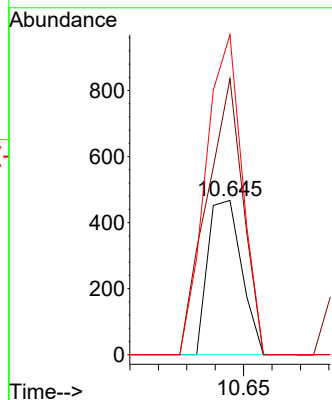
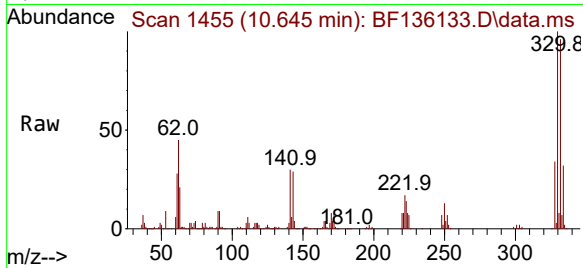




#65
4,6-Dinitro-2-methylphenol
Concen: 5.986 ng
RT: 10.645 min Scan# 1424
Delta R.T. 0.182 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

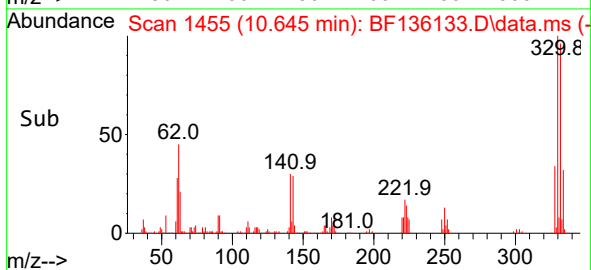
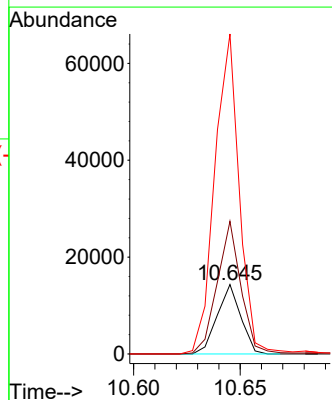
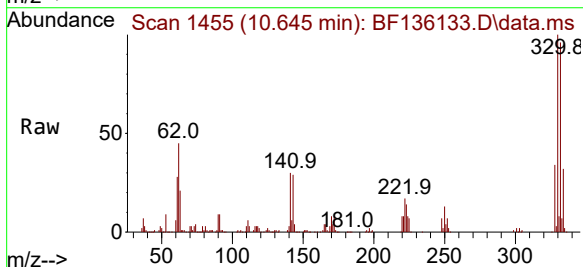
Instrument :
BNA_F
ClientSampleId :
PE-2

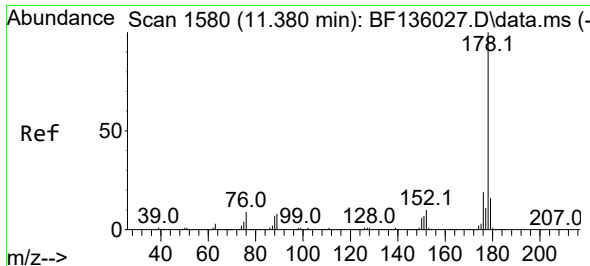
Tgt Ion:198 Resp: 386
Ion Ratio Lower Upper
198 100
51 179.0 12.9 52.9#
105 207.5 16.0 56.0#



#67
4-Bromophenyl-phenylether
Concen: 3.307 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.259 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

Tgt Ion:248 Resp: 10978
Ion Ratio Lower Upper
248 100
250 191.2 77.6 116.4#
141 461.2 50.4 75.6#

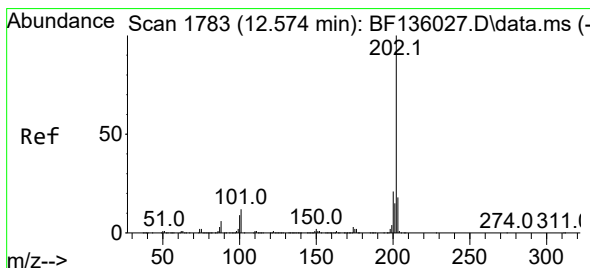
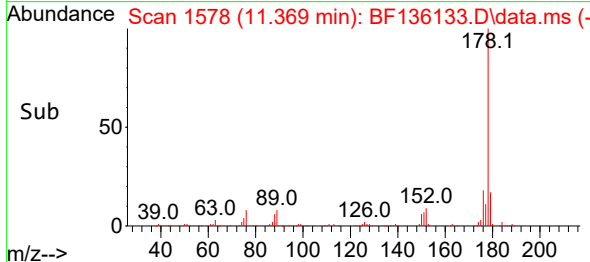
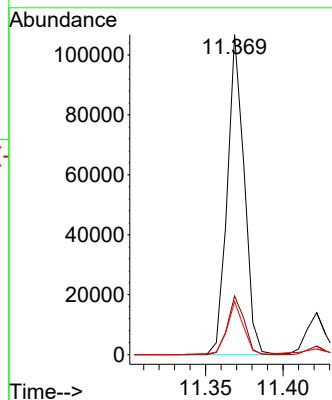
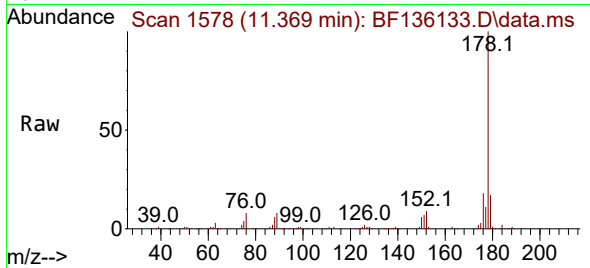




#71
Phenanthrene
Concen: 5.085 ng
RT: 11.369 min Scan# 1781
Delta R.T. -0.012 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

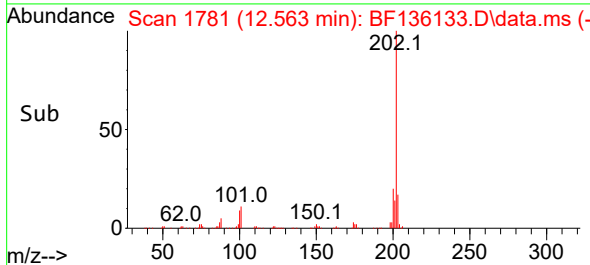
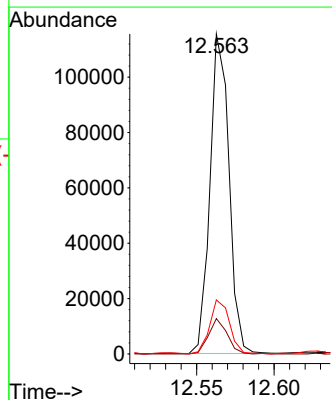
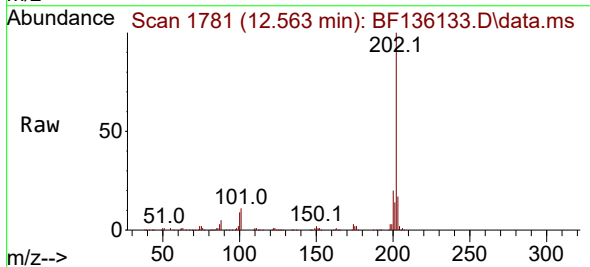
Instrument :
BNA_F
ClientSampleId :
PE-2

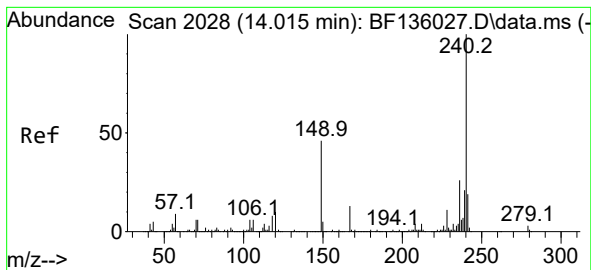
Tgt Ion:178 Resp: 81063
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 16.6 12.9 19.3



#75
Fluoranthene
Concen: 6.015 ng
RT: 12.563 min Scan# 1781
Delta R.T. -0.012 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

Tgt Ion:202 Resp: 98500
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.8
203 16.9 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136133.D

Acq: 03 Nov 2023 19:40

Instrument :

BNA_F

ClientSampleId :

PE-2

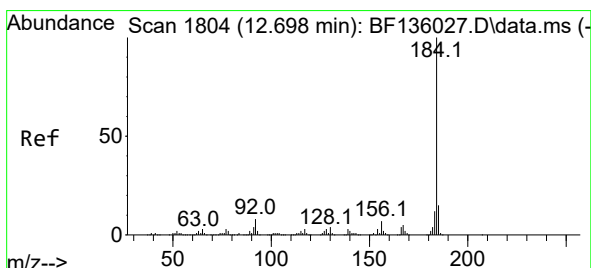
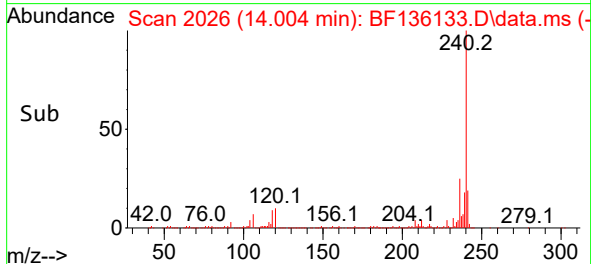
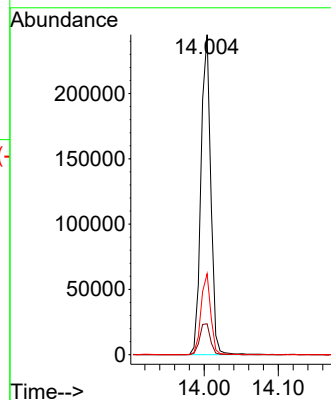
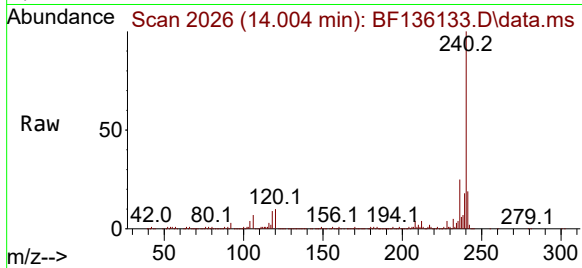
Tgt Ion:240 Resp: 224041

Ion Ratio Lower Upper

240 100

120 9.7 7.6 11.4

236 25.3 20.6 31.0



#77

Benzdine

Concen: 2.012 ng

RT: 12.945 min Scan# 1846

Delta R.T. 0.247 min

Lab File: BF136133.D

Acq: 03 Nov 2023 19:40

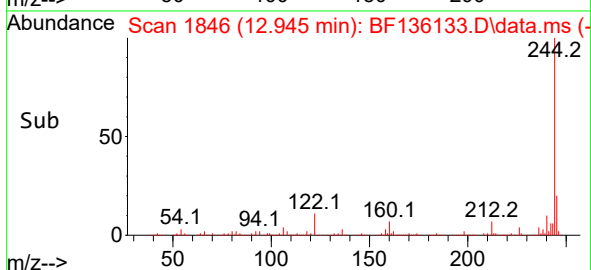
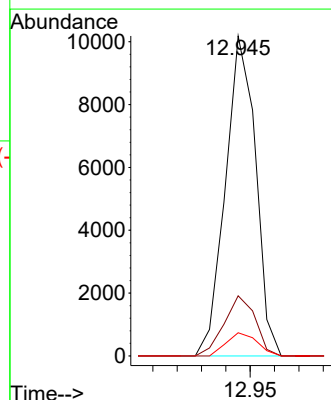
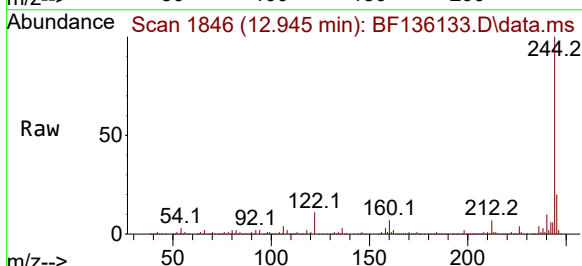
Tgt Ion:184 Resp: 8787

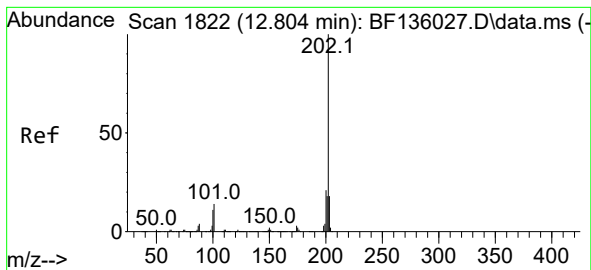
Ion Ratio Lower Upper

184 100

185 18.8 11.8 17.8#

183 7.2 9.5 14.3#





#78

Pyrene

Concen: 5.271 ng

RT: 12.792 min Scan# 1820

Delta R.T. -0.012 min

Lab File: BF136133.D

Acq: 03 Nov 2023 19:40

Instrument :

BNA_F

ClientSampleId :

PE-2

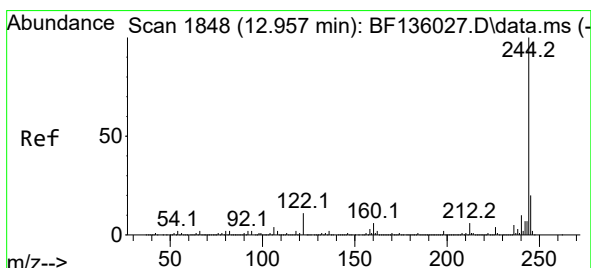
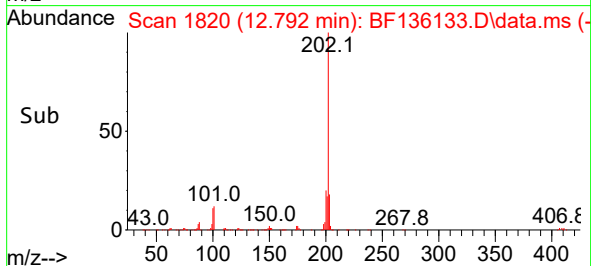
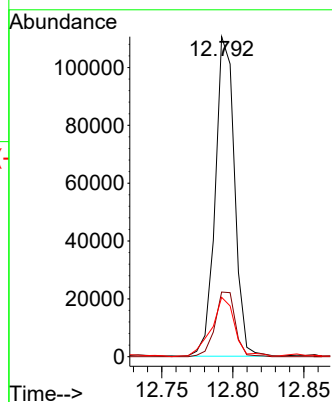
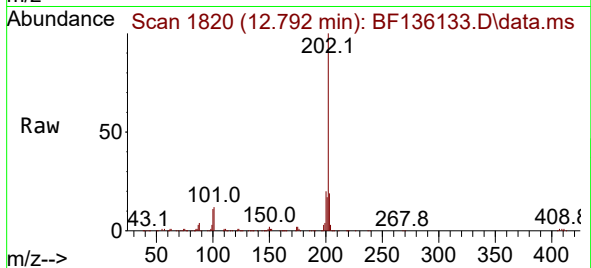
Tgt Ion:202 Resp: 104117

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.4

203 18.6 14.4 21.6



#79

Terphenyl-d14

Concen: 51.455 ng

RT: 12.945 min Scan# 1846

Delta R.T. -0.012 min

Lab File: BF136133.D

Acq: 03 Nov 2023 19:40

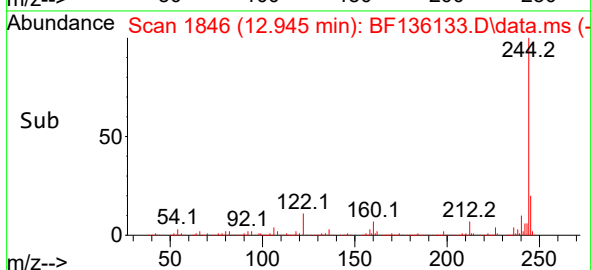
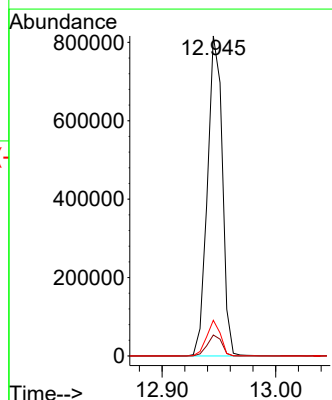
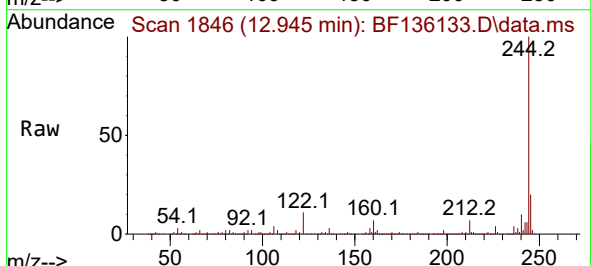
Tgt Ion:244 Resp: 741818

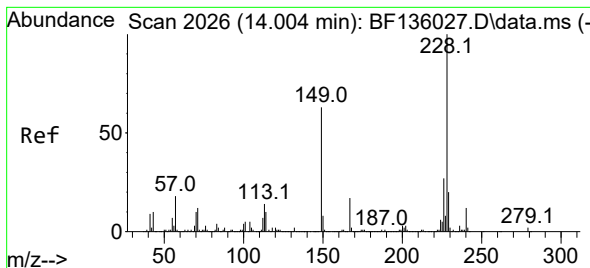
Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 11.2 8.6 12.8





#81

Benzo(a)anthracene

Concen: 3.664 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136133.D

Acq: 03 Nov 2023 19:40

Instrument :

BNA_F

ClientSampleId :

PE-2

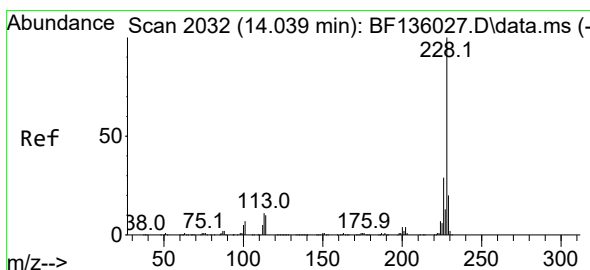
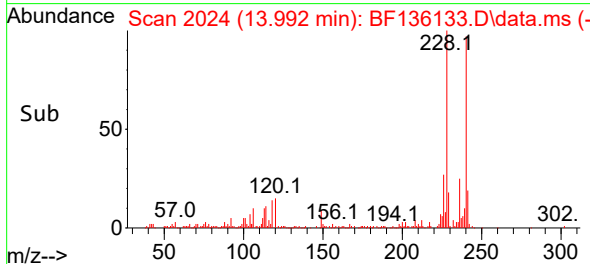
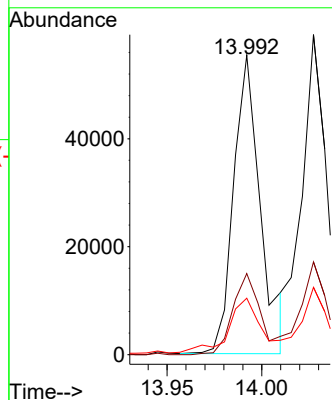
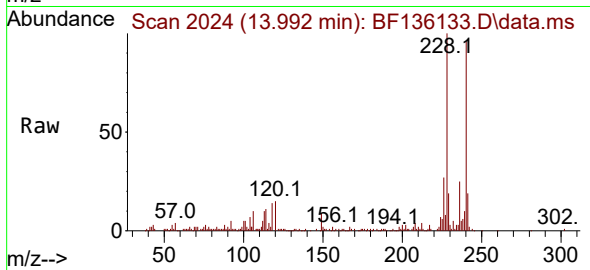
Tgt Ion:228 Resp: 54344

Ion Ratio Lower Upper

228 100

226 27.1 21.5 32.3

229 18.8 15.8 23.6



#83

Chrysene

Concen: 3.603 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF136133.D

Acq: 03 Nov 2023 19:40

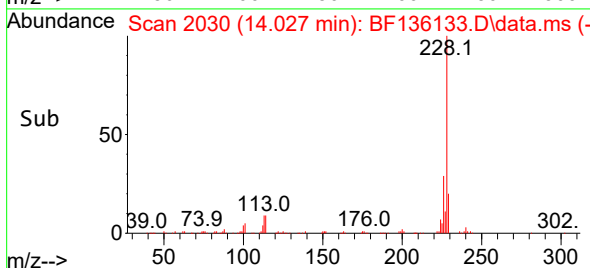
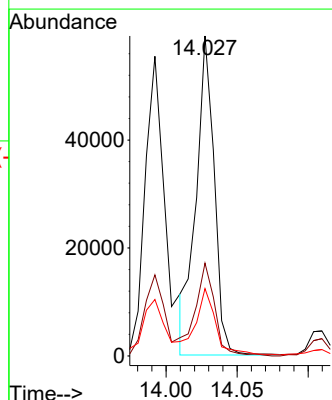
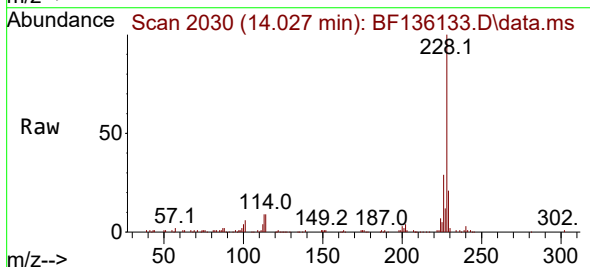
Tgt Ion:228 Resp: 52632

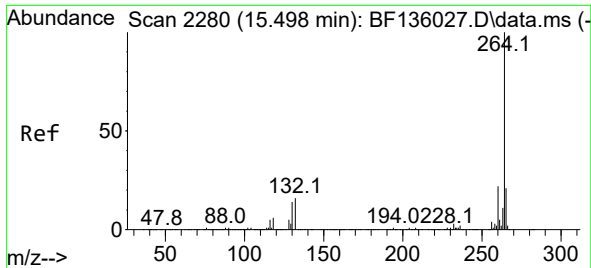
Ion Ratio Lower Upper

228 100

226 29.0 23.5 35.3

229 21.0 16.0 24.0

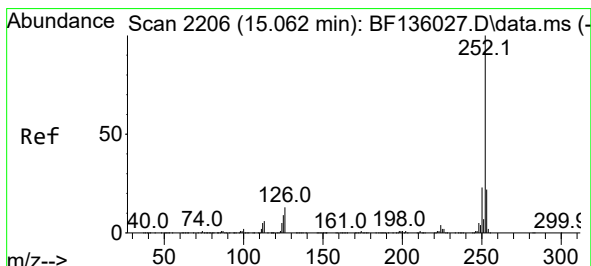
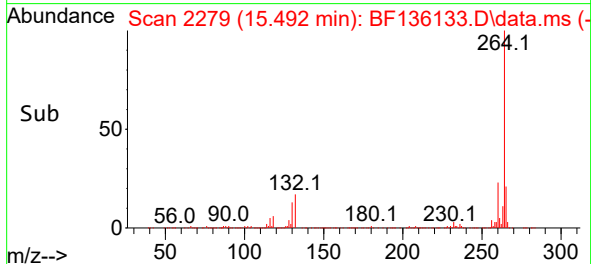
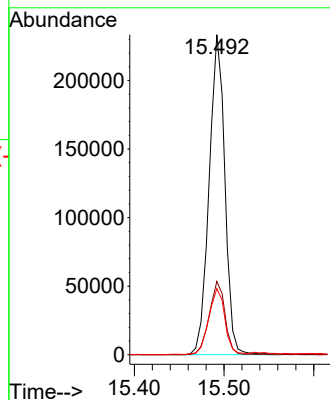
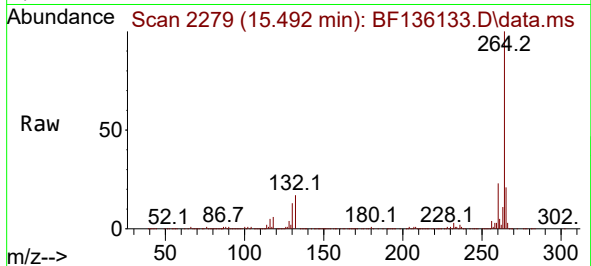




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

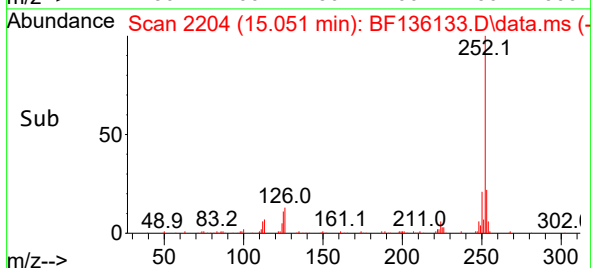
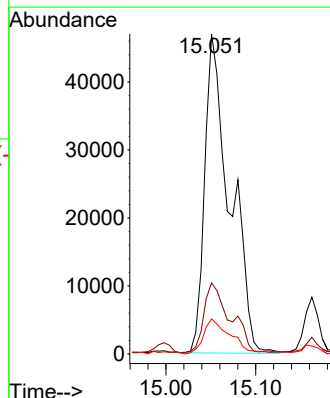
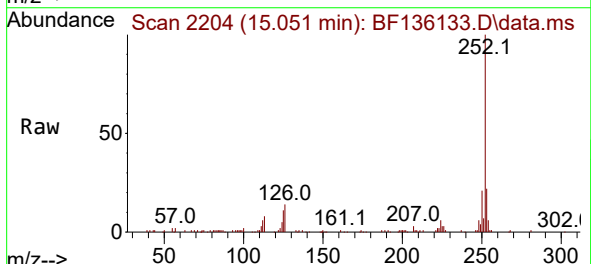
Instrument :
BNA_F
ClientSampleId :
PE-2

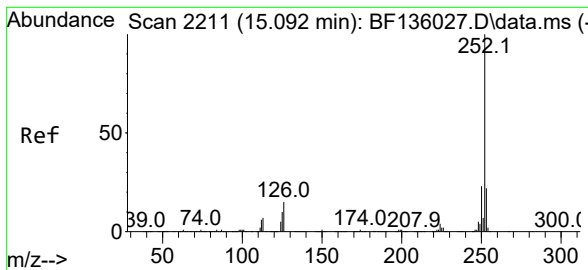
Tgt Ion:264 Resp: 284033
Ion Ratio Lower Upper
264 100
260 22.9 17.9 26.9
265 20.7 16.8 25.2



#88
Benzo(b)fluoranthene
Concen: 5.425 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.012 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

Tgt Ion:252 Resp: 91184
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 10.9 7.5 11.3





#89

Benzo(k)fluoranthene

Concen: 5.483 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.041 min

Lab File: BF136133.D

Acq: 03 Nov 2023 19:40

Instrument :

BNA_F

ClientSampleId :

PE-2

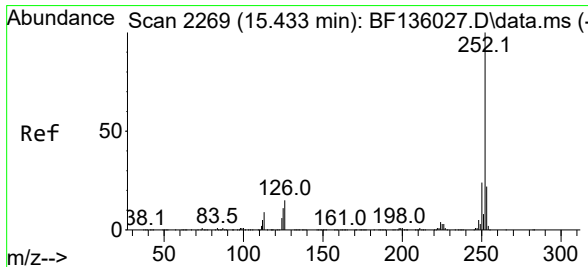
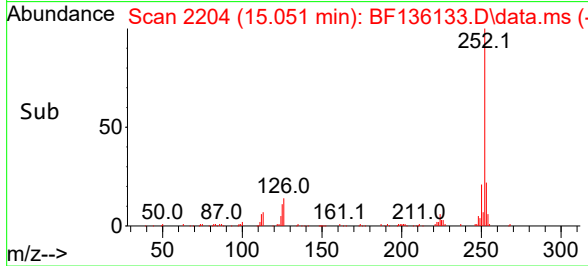
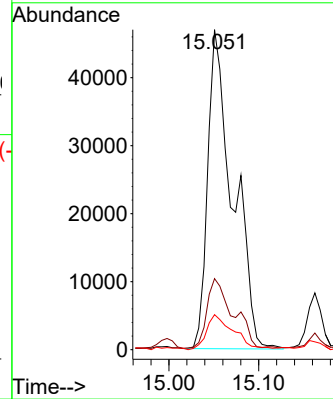
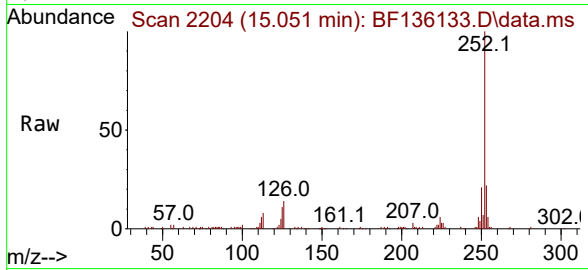
Tgt Ion:252 Resp: 91184

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 10.9 8.0 12.0



#90

Benzo(a)pyrene

Concen: 3.162 ng

RT: 15.421 min Scan# 2267

Delta R.T. -0.012 min

Lab File: BF136133.D

Acq: 03 Nov 2023 19:40

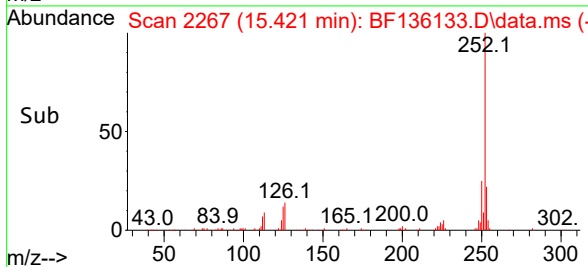
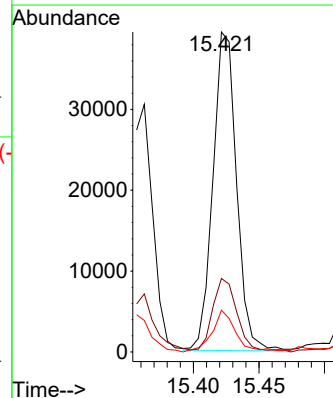
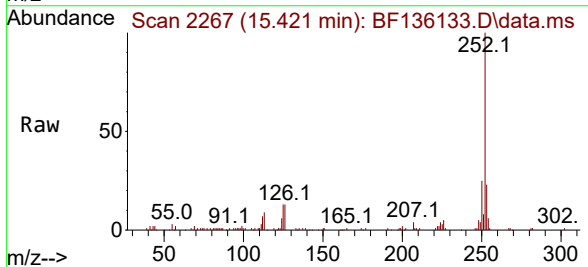
Tgt Ion:252 Resp: 49379

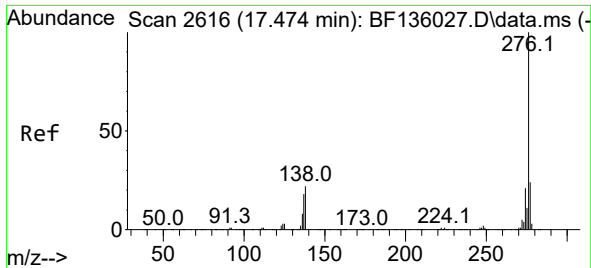
Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

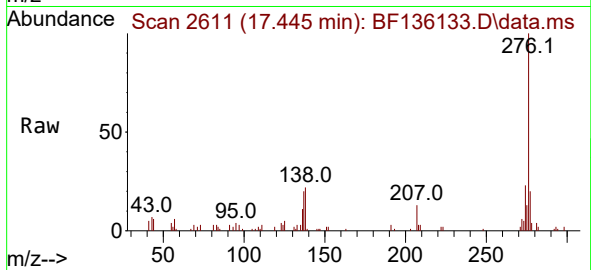
125 13.1 9.0 13.6





#92
 Benzo(g,h,i)perylene
 Concen: 4.411 ng
 RT: 17.445 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF136133.D
 Acq: 03 Nov 2023 19:40

Instrument :
 BNA_F
 ClientSampleId :
 PE-2



Tgt Ion:	276	Resp:	27926
Ion	Ratio	Lower	Upper
276	100		
277	19.9	19.0	28.4
138	22.5	17.4	26.2

