

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
 Data File : BF136036.D
 Acq On : 30 Oct 2023 19:32
 Operator : CG\JU
 Sample : 05090-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Oct 31 01:41:20 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)

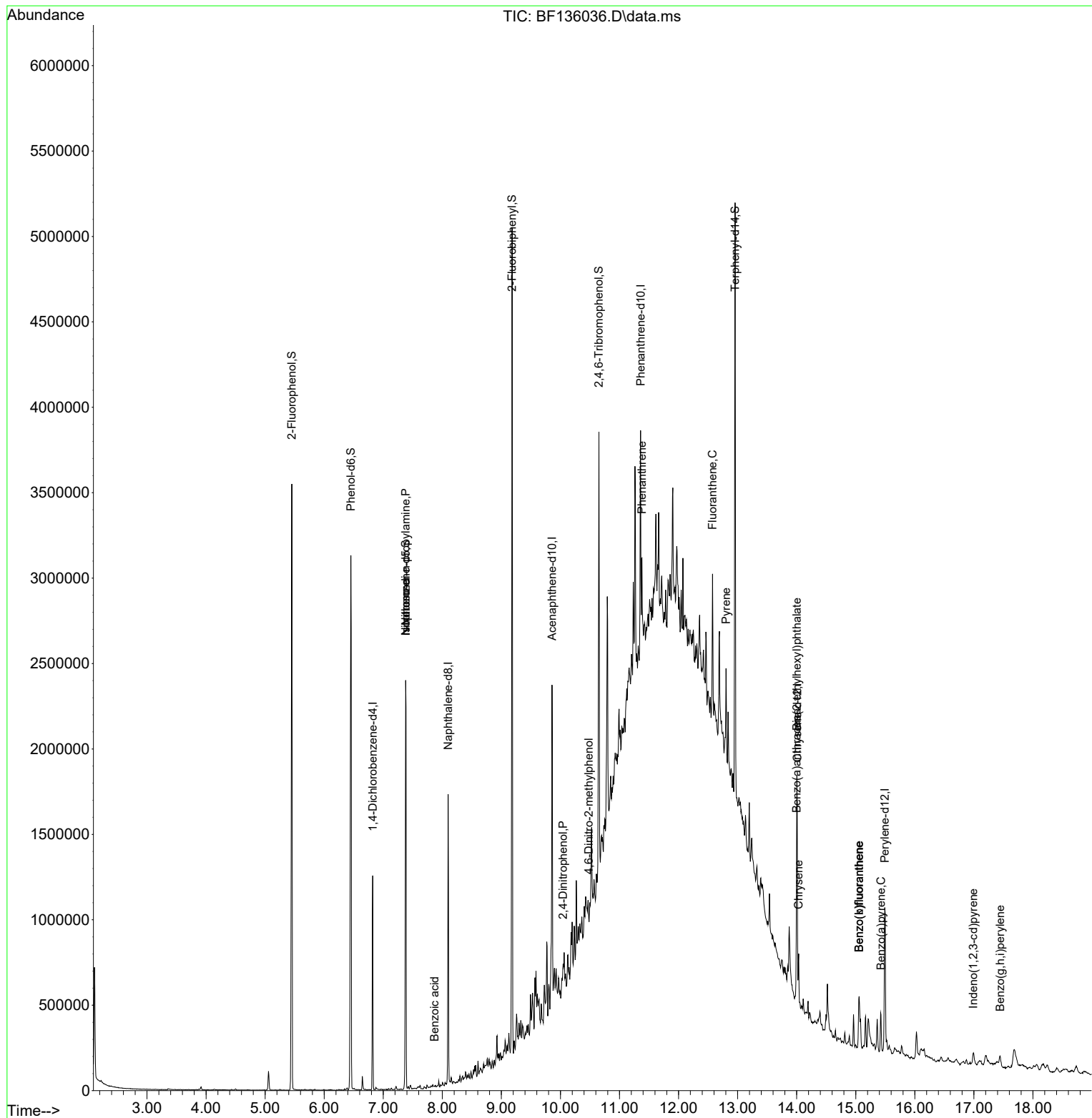
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	172196	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	673106	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	338559	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	542896	20.000	ng	0.00
76) Chrysene-d12	14.010	240	363103	20.000	ng	0.00
86) Perylene-d12	15.492	264	416841	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	1041699	95.062	ng	0.00
7) Phenol-d6	6.451	99	1348614	98.777	ng	0.00
23) Nitrobenzene-d5	7.381	82	806141	72.197	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	368152	101.877	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1433858	67.513	ng	0.00
79) Terphenyl-d14	12.957	244	1306879	55.933	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	106163	13.609	ng	# 79
25) Isophorone	7.381	82	805049	38.190	ng	# 64
32) Benzoic acid	7.869	122	261	5.144	ng	# 1
54) 2,4-Dinitrophenol	10.045	184	66	8.000	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.480	198	1059	6.103	ng	# 1
71) Phenanthrene	11.380	178	175252	6.411	ng	# 94
75) Fluoranthene	12.574	202	277744	9.891	ng	97
78) Pyrene	12.804	202	239385	7.478	ng	99
81) Benzo(a)anthracene	13.998	228	124888	5.195	ng	98
83) Chrysene	14.033	228	121150	5.118	ng	97
84) Bis(2-ethylhexyl)phtha...	14.004	149	64973	4.867	ng	99
87) Indeno(1,2,3-cd)pyrene	16.992	276	58260	2.139	ng	95
88) Benzo(b)fluoranthene	15.057	252	233369	9.461	ng	# 97
89) Benzo(k)fluoranthene	15.057	252	233369	9.562	ng	# 97
90) Benzo(a)pyrene	15.427	252	118410	5.167	ng	97
92) Benzo(g,h,i)perylene	17.445	276	50591	4.766	ng	99

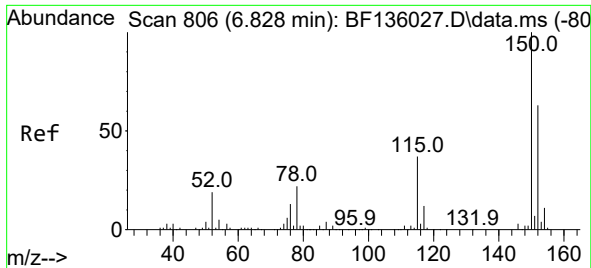
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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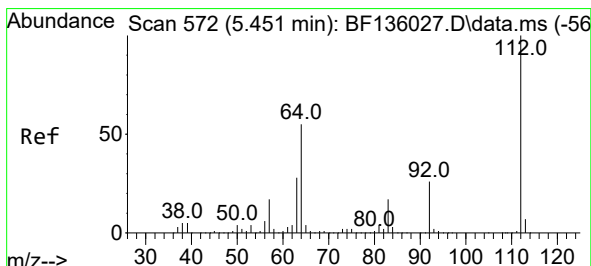
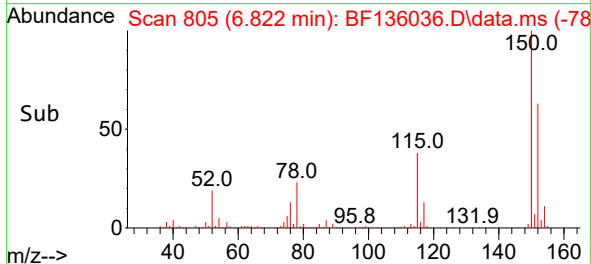
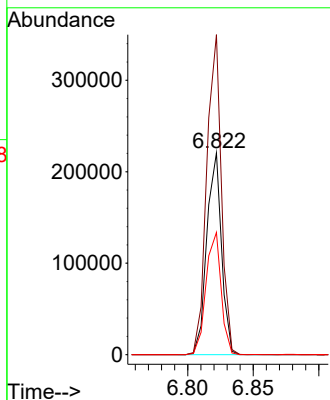
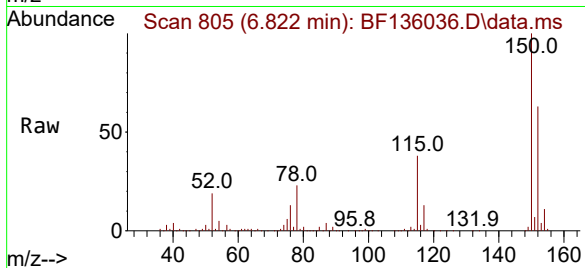




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

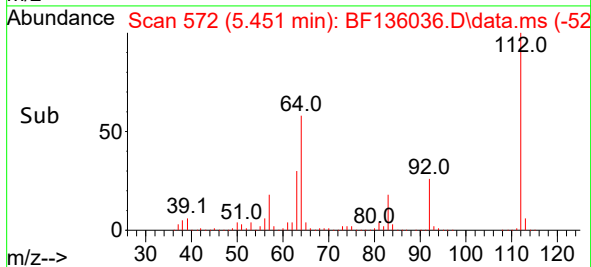
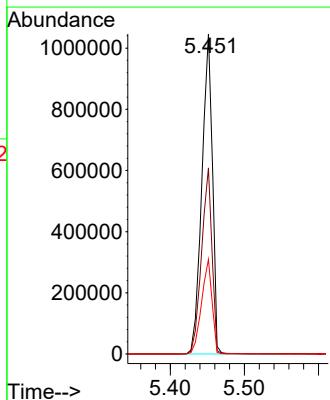
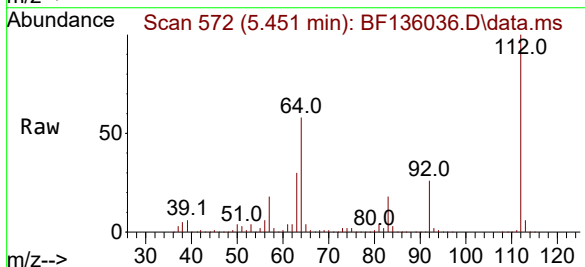
Instrument :
BNA_F
ClientSampleId :
WC-1

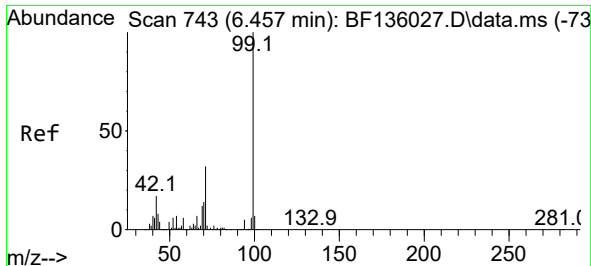
Tgt Ion:152 Resp: 172196
Ion Ratio Lower Upper
152 100
150 158.6 126.4 189.6
115 60.5 47.0 70.4



#5
2-Fluorophenol
Concen: 95.062 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

Tgt Ion:112 Resp: 1041699
Ion Ratio Lower Upper
112 100
64 58.2 43.9 65.9
63 29.6 22.4 33.6

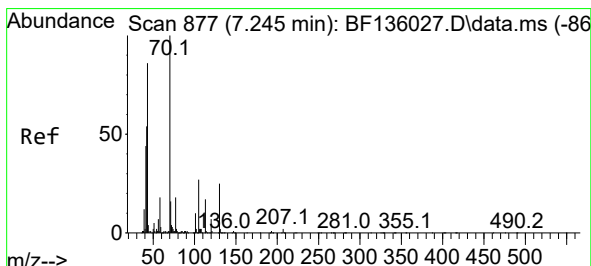
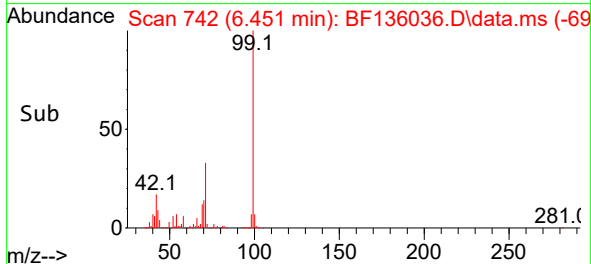
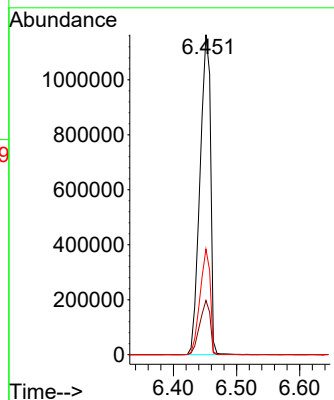
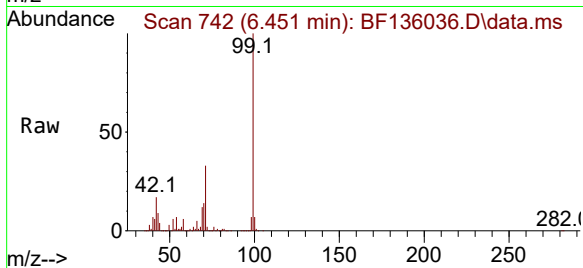




#7
Phenol-d6
Concen: 98.777 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

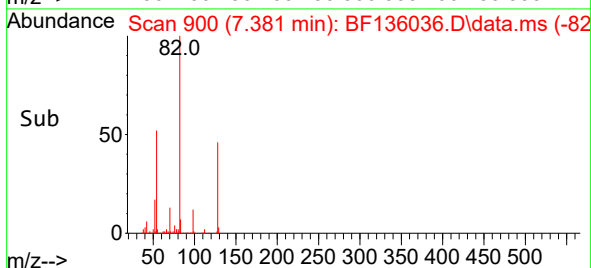
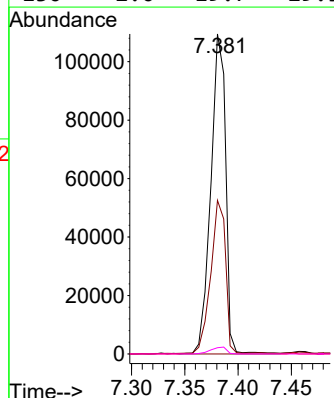
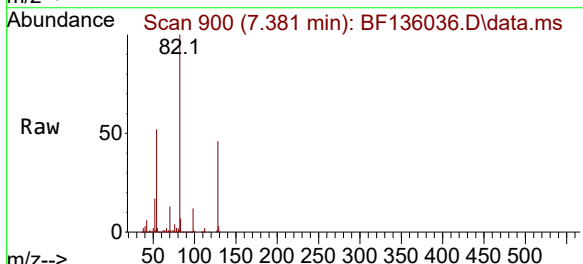
Instrument :
BNA_F
ClientSampleId :
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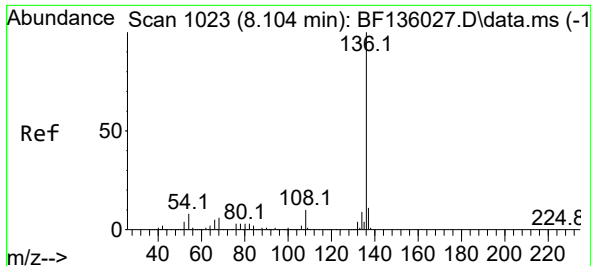
Tgt Ion: 99 Resp: 1348614
Ion Ratio Lower Upper
99 100
42 17.0 13.7 20.5
71 33.0 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.609 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.135 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

Tgt Ion: 70 Resp: 106163
Ion Ratio Lower Upper
70 100
42 48.0 43.0 64.4
101 0.0 8.0 12.0#
130 2.0 19.7 29.5#



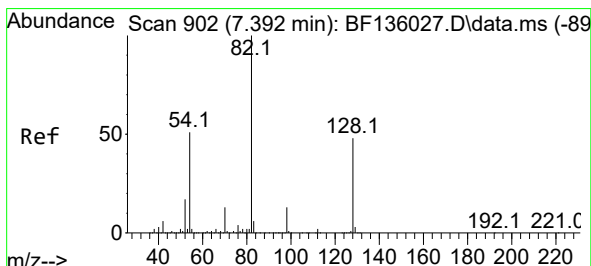
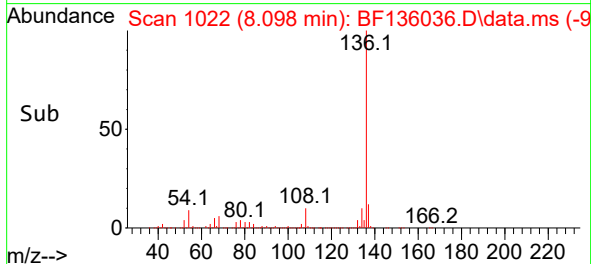
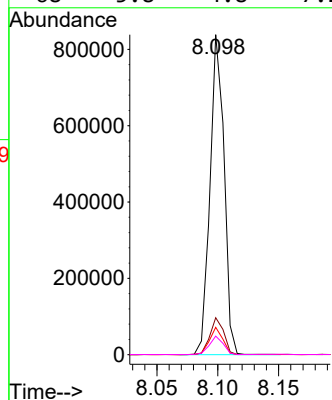
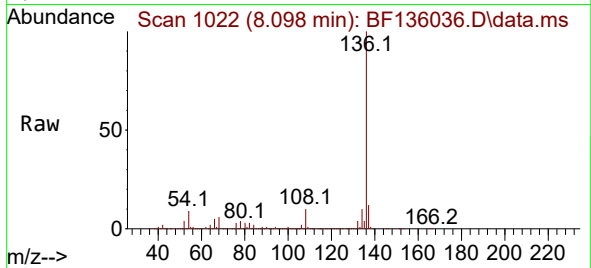


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 673106

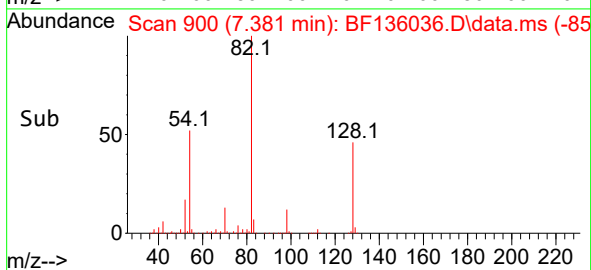
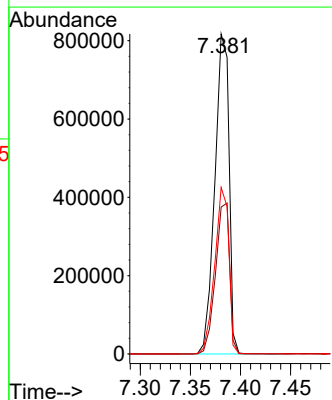
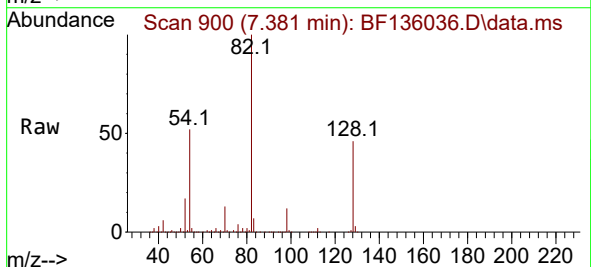
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.6	13.0
54	8.5	6.6	9.8
68	5.8	4.8	7.2

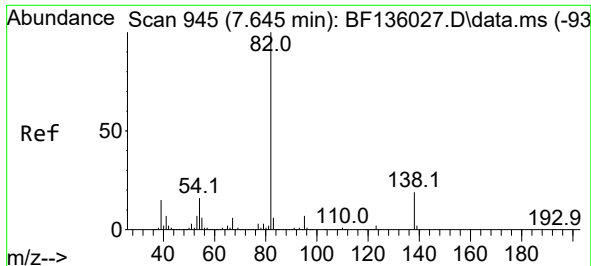


#23
Nitrobenzene-d5
Concen: 72.197 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

Tgt Ion: 82 Resp: 806141

Ion	Ratio	Lower	Upper
82	100		
128	45.9	38.6	57.8
54	52.0	40.8	61.2

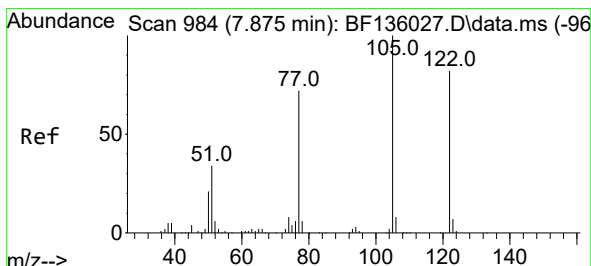
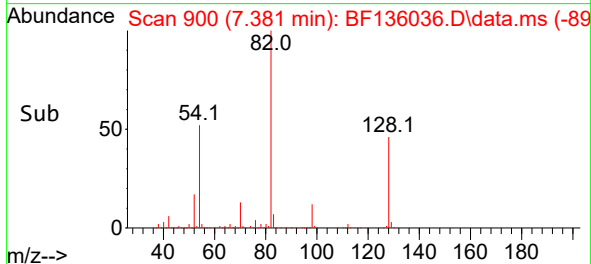
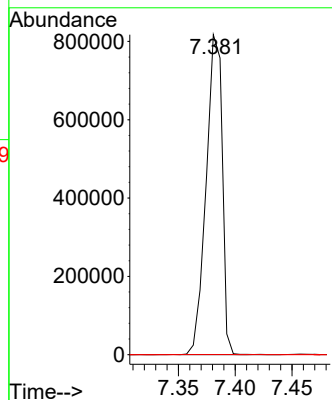
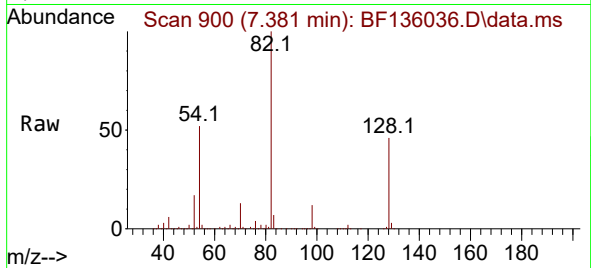




#25
Isophorone
Concen: 38.190 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

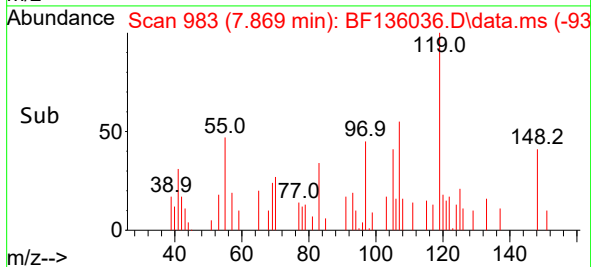
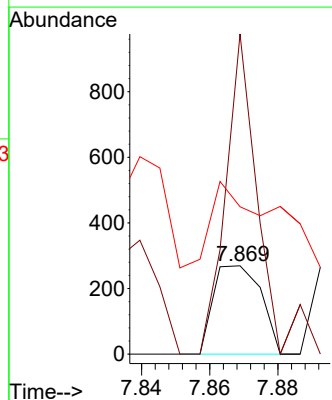
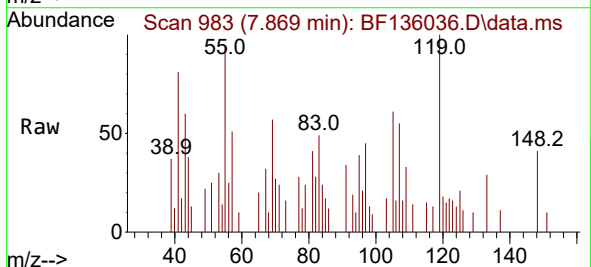
Instrument :
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ClientSampleId :
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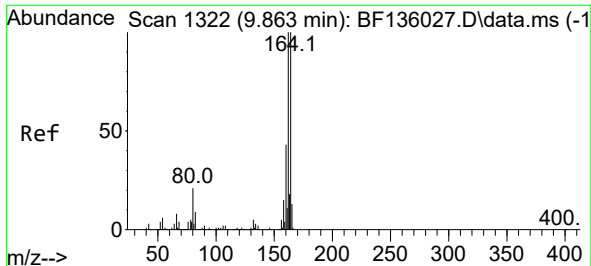
Tgt Ion: 82 Resp: 805049
Ion Ratio Lower Upper
82 100
95 0.1 5.9 8.9#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 5.144 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

Tgt Ion:122 Resp: 261
Ion Ratio Lower Upper
122 100
105 362.8 99.5 139.5#
77 166.9 66.8 106.8#

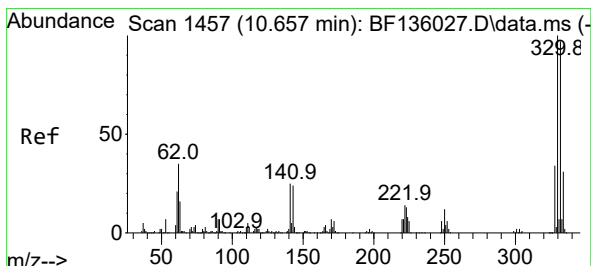
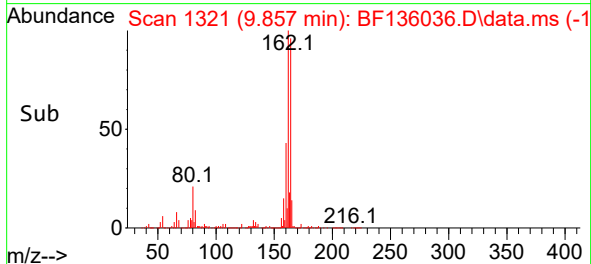
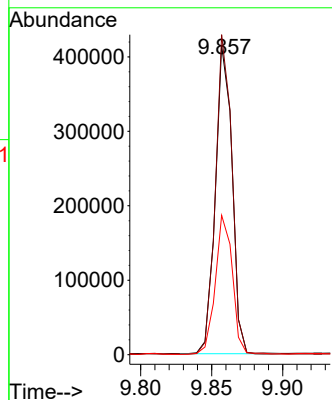
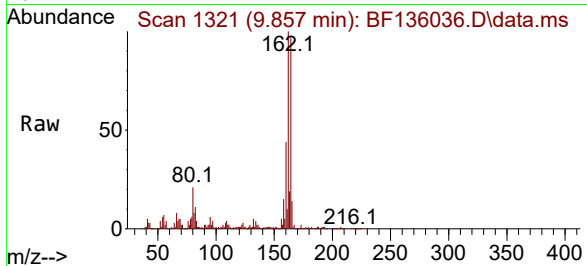




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

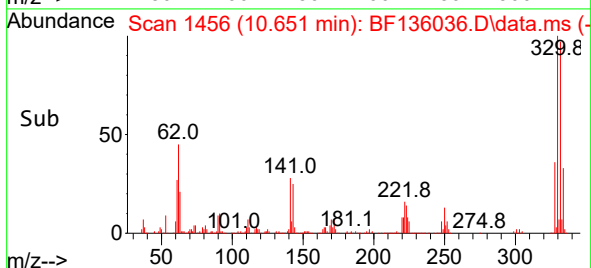
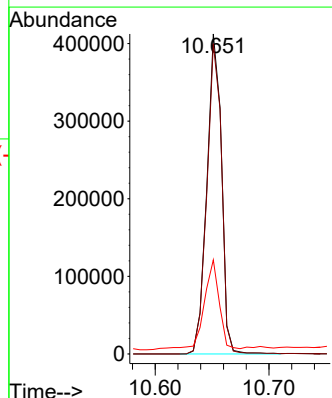
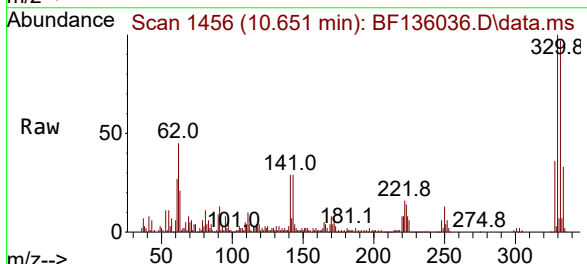
Instrument :
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ClientSampleId :
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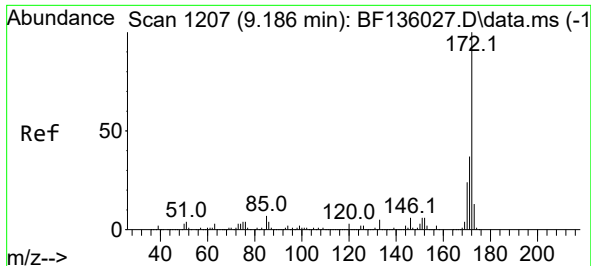
Tgt Ion:164 Resp: 338559
Ion Ratio Lower Upper
164 100
162 103.4 80.1 120.1
160 45.1 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 101.877 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

Tgt Ion:330 Resp: 368152
Ion Ratio Lower Upper
330 100
332 97.8 76.9 115.3
141 29.4 23.2 34.8

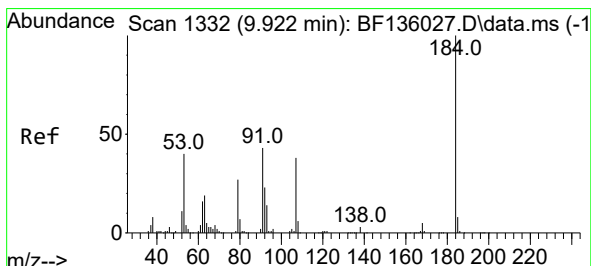
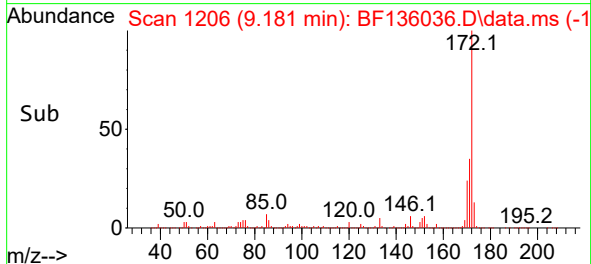
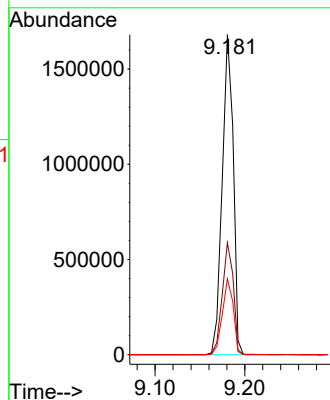
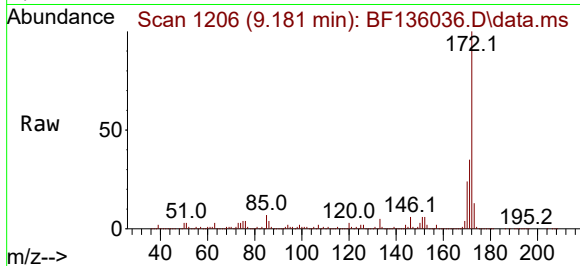




#45
2-Fluorobiphenyl
Concen: 67.513 ng
RT: 9.181 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

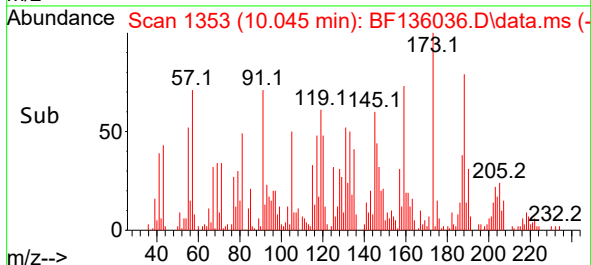
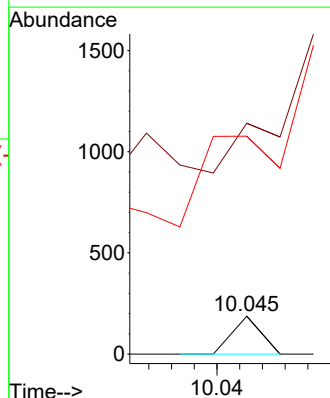
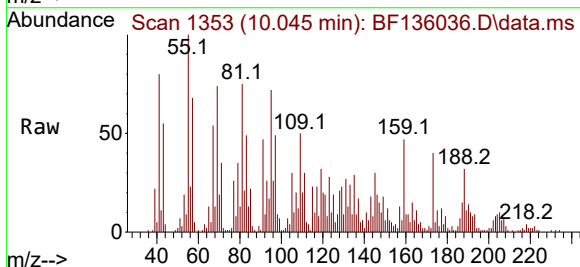
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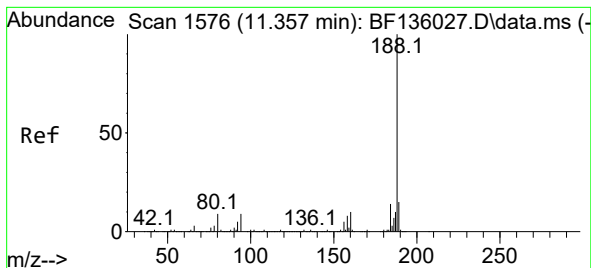
Tgt Ion:172 Resp: 1433858
Ion Ratio Lower Upper
172 100
171 34.9 29.4 44.0
170 23.7 19.3 28.9



#54
2,4-Dinitrophenol
Concen: 8.000 ng
RT: 10.045 min Scan# 1353
Delta R.T. 0.123 min
Lab File: BF136036.D
Acq: 30 Oct 2023 19:32

Tgt Ion:184 Resp: 66
Ion Ratio Lower Upper
184 100
63 610.2 43.7 65.5#
154 575.9 51.2 76.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

Instrument :

BNA_F

ClientSampleId :

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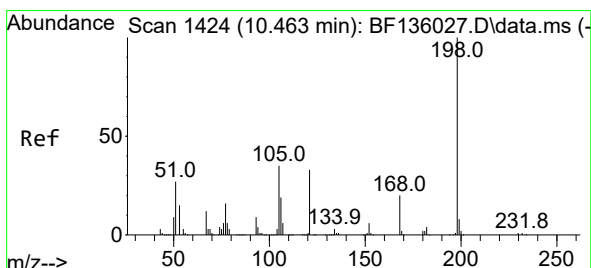
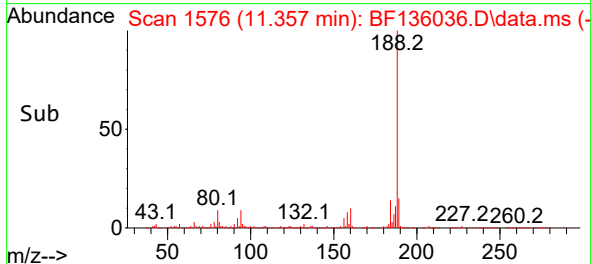
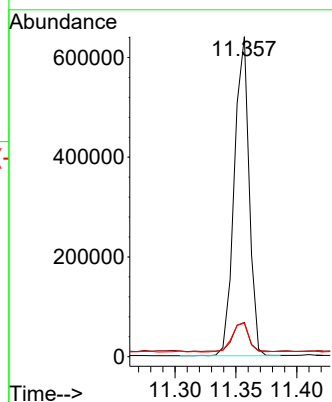
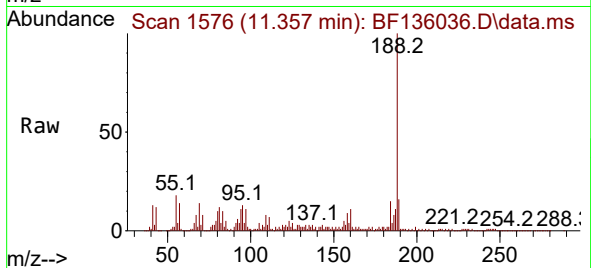
Tgt Ion:188 Resp: 542896

Ion Ratio Lower Upper

188 100

94 10.7 7.2 10.8

80 10.4 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 6.103 ng

RT: 10.480 min Scan# 1427

Delta R.T. 0.018 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

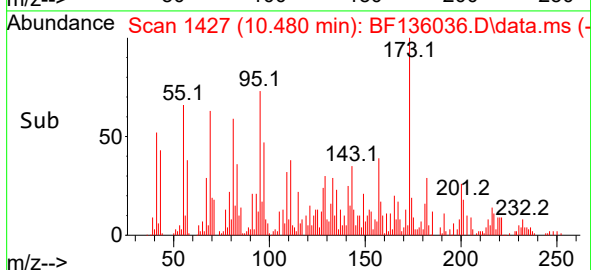
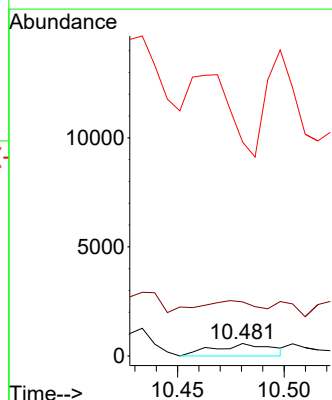
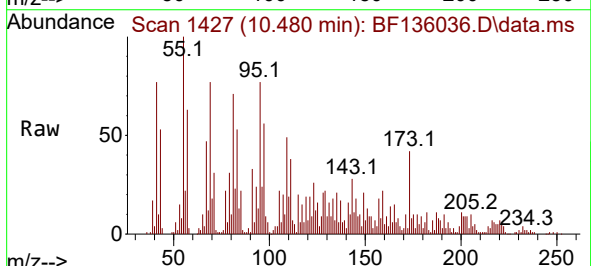
Tgt Ion:198 Resp: 1059

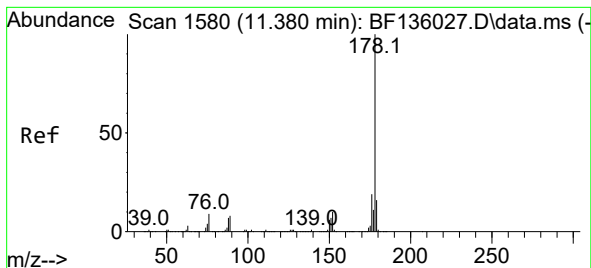
Ion Ratio Lower Upper

198 100

51 434.3 12.9 52.9#

105 1717.9 16.0 56.0#





#71

Phenanthrene

Concen: 6.411 ng

RT: 11.380 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

Instrument :

BNA_F

ClientSampleId :

WC-1

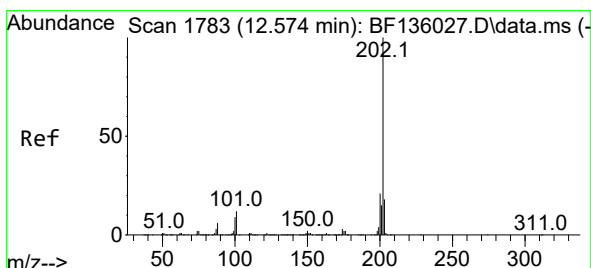
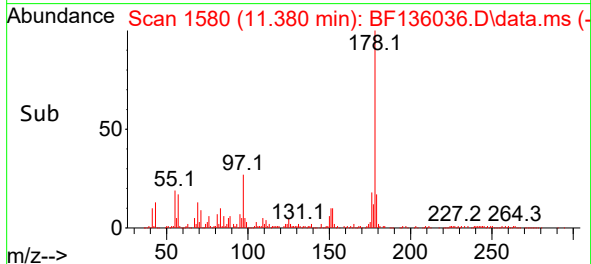
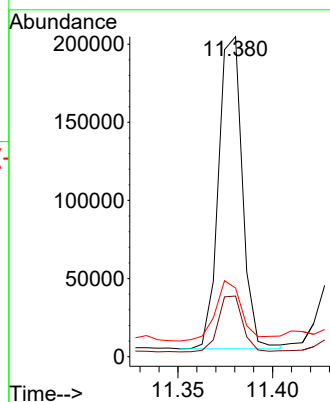
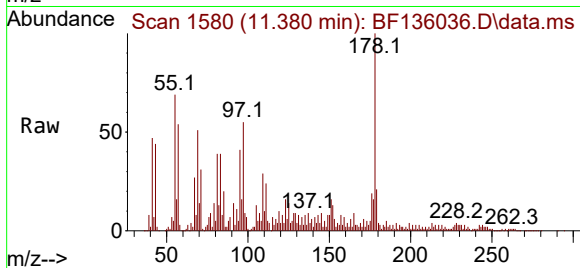
Tgt Ion:178 Resp: 175252

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 21.5 12.9 19.3#



#75

Fluoranthene

Concen: 9.891 ng

RT: 12.574 min Scan# 1783

Delta R.T. 0.000 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

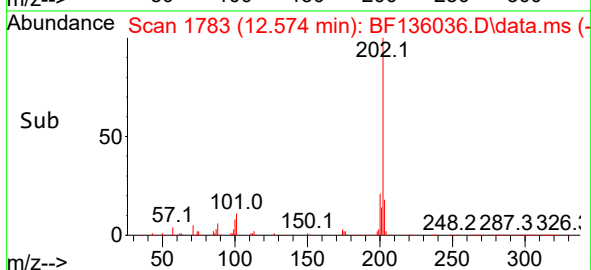
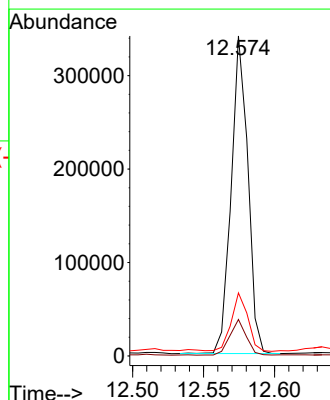
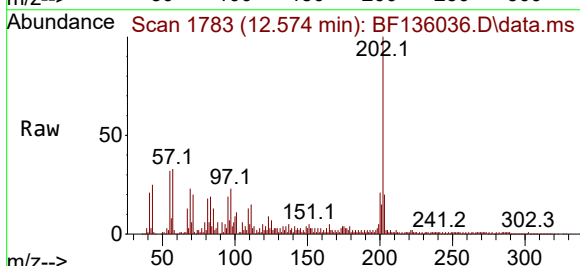
Tgt Ion:202 Resp: 277744

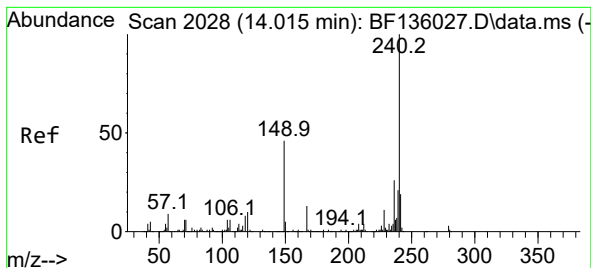
Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.8

203 19.7 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

Instrument :

BNA_F

ClientSampleId :

WC-1

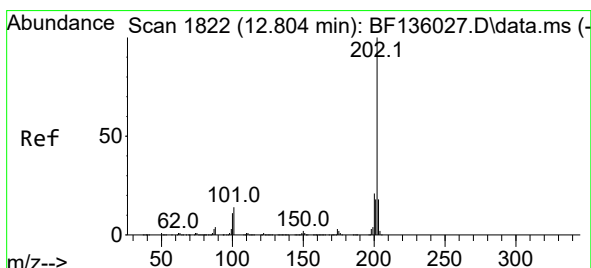
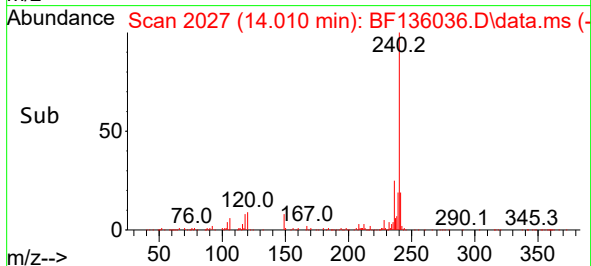
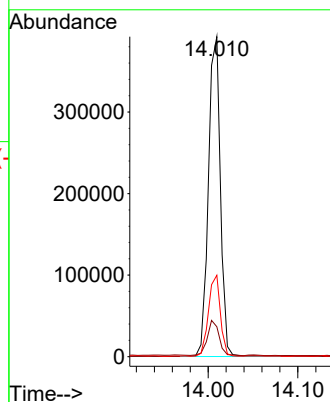
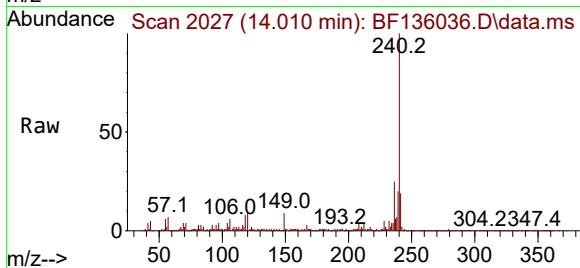
Tgt Ion:240 Resp: 363103

Ion Ratio Lower Upper

240 100

120 9.3 7.6 11.4

236 25.4 20.6 31.0



#78

Pyrene

Concen: 7.478 ng

RT: 12.804 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

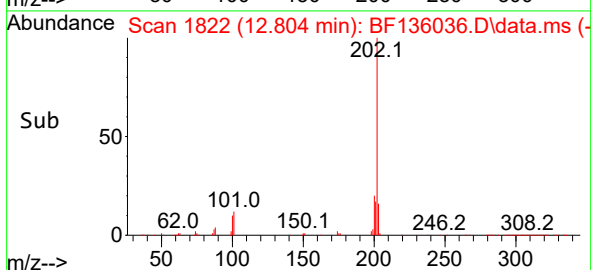
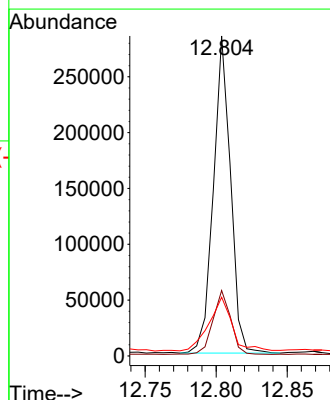
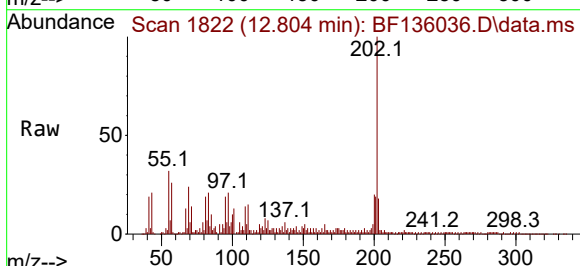
Tgt Ion:202 Resp: 239385

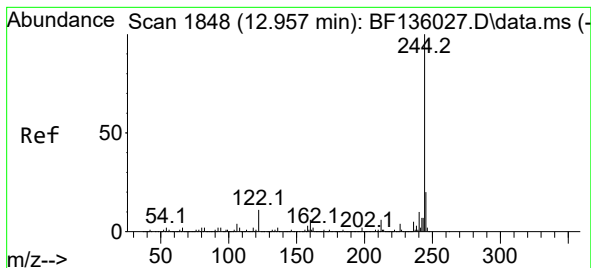
Ion Ratio Lower Upper

202 100

200 20.5 17.0 25.4

203 18.4 14.4 21.6





#79

Terphenyl-d14

Concen: 55.933 ng

RT: 12.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

Instrument :

BNA_F

ClientSampleId :

WC-1

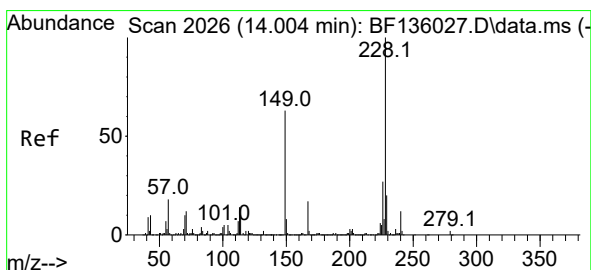
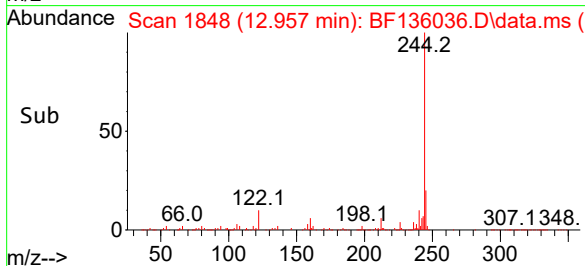
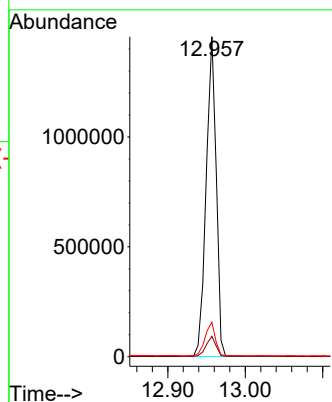
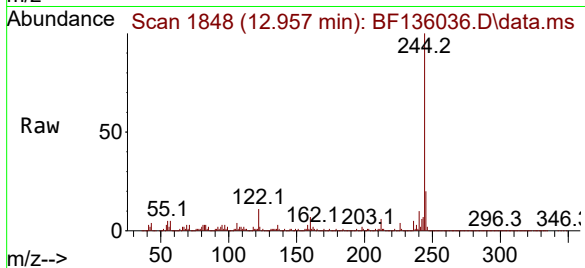
Tgt Ion:244 Resp: 1306879

Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 10.7 8.6 12.8



#81

Benzo(a)anthracene

Concen: 5.195 ng

RT: 13.998 min Scan# 2025

Delta R.T. -0.006 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

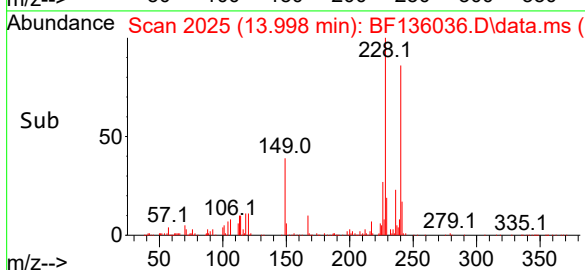
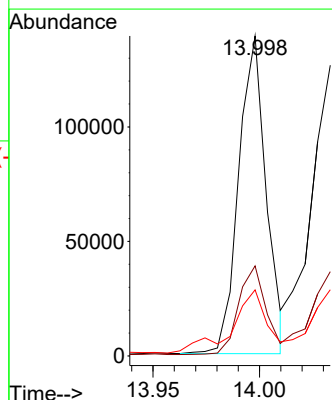
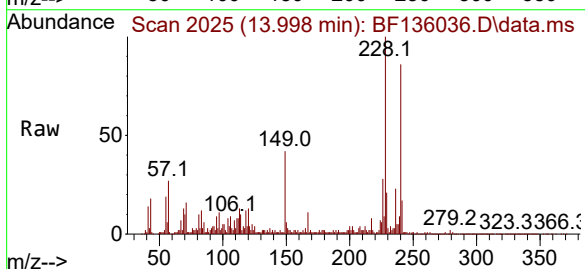
Tgt Ion:228 Resp: 124888

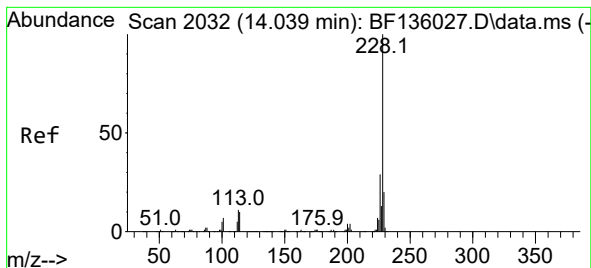
Ion Ratio Lower Upper

228 100

226 28.2 21.5 32.3

229 20.7 15.8 23.6





#83

Chrysene

Concen: 5.118 ng

RT: 14.033 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

Instrument :

BNA_F

ClientSampleId :

WC-1

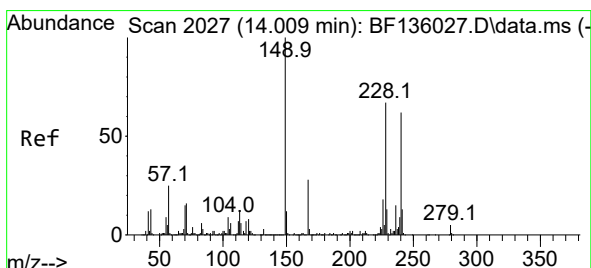
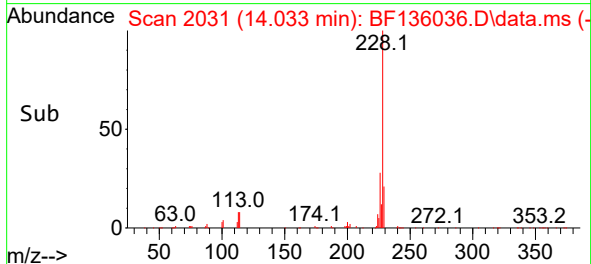
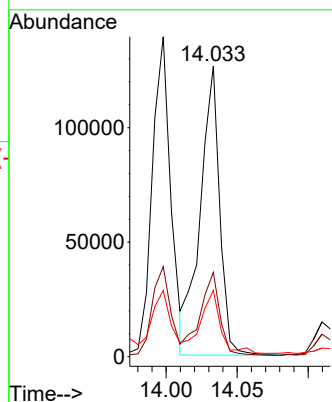
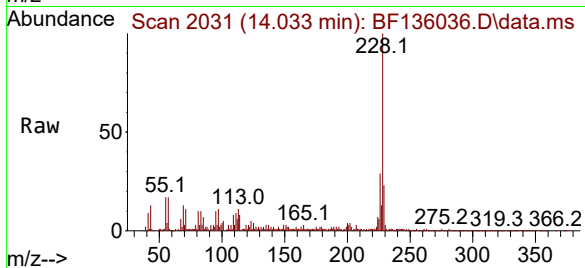
Tgt Ion:228 Resp: 121150

Ion Ratio Lower Upper

228 100

226 29.0 23.5 35.3

229 22.8 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.867 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

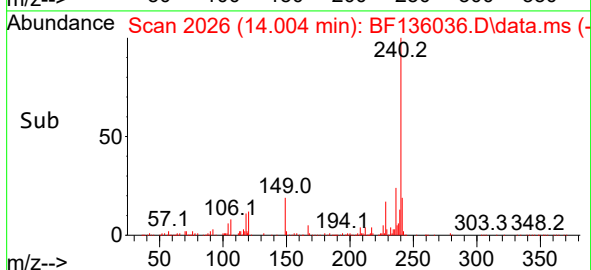
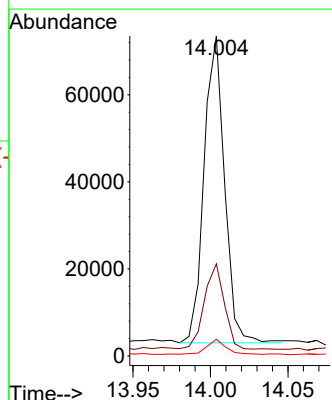
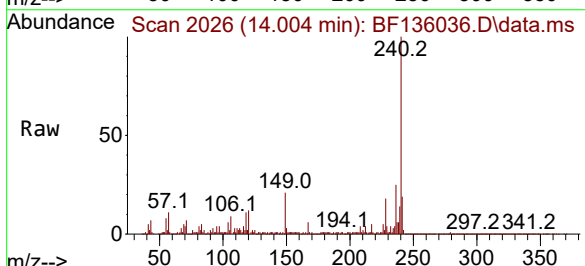
Tgt Ion:149 Resp: 64973

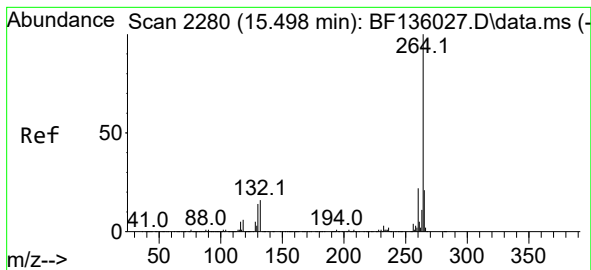
Ion Ratio Lower Upper

149 100

167 28.8 22.6 33.8

279 5.2 4.1 6.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

Instrument :

BNA_F

ClientSampleId :

WC-1

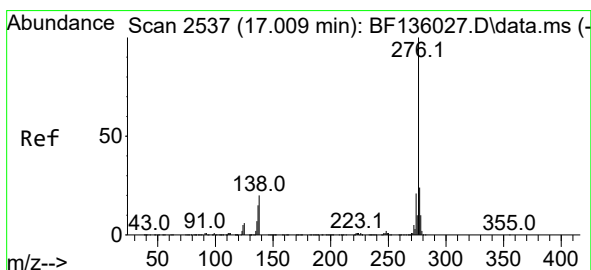
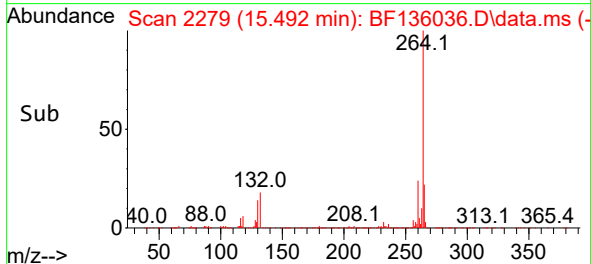
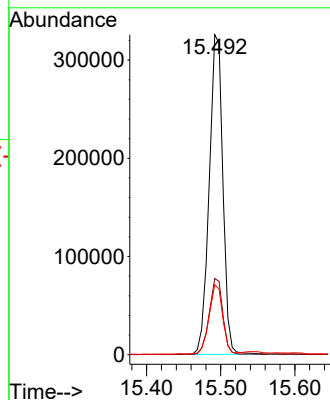
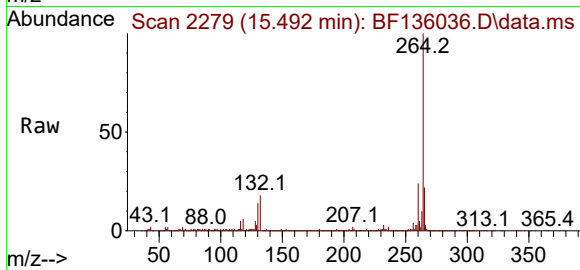
Tgt Ion:264 Resp: 416841

Ion Ratio Lower Upper

264 100

260 23.8 17.9 26.9

265 21.9 16.8 25.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.139 ng

RT: 16.992 min Scan# 2534

Delta R.T. -0.017 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

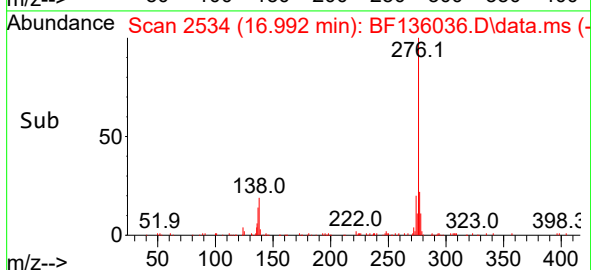
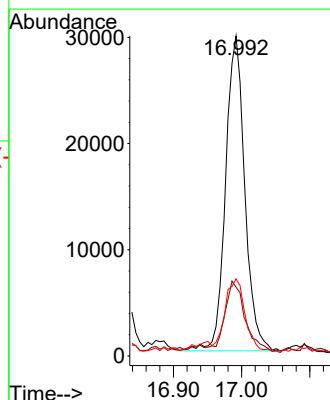
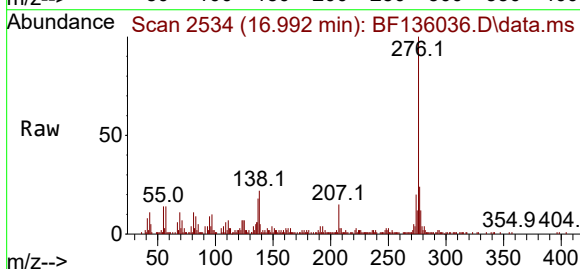
Tgt Ion:276 Resp: 58260

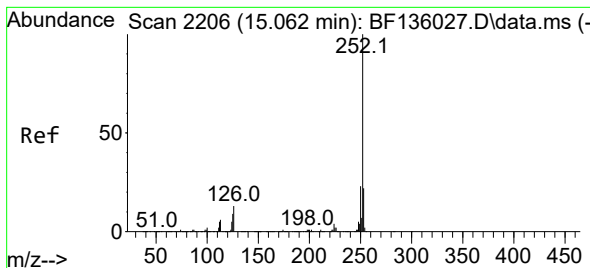
Ion Ratio Lower Upper

276 100

138 23.3 20.4 30.6

277 28.3 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 9.461 ng

RT: 15.057 min Scan# 2205

Delta R.T. -0.006 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

Instrument :

BNA_F

ClientSampleId :

WC-1

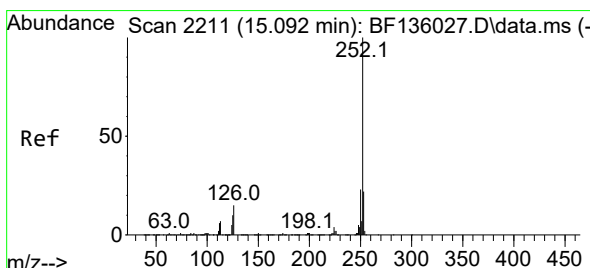
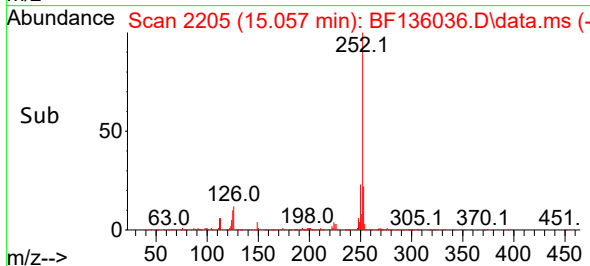
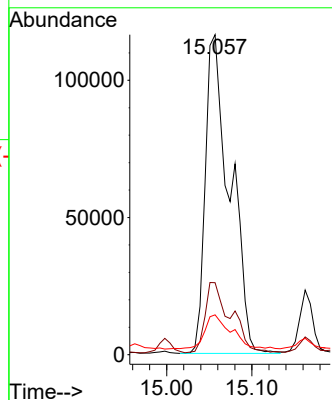
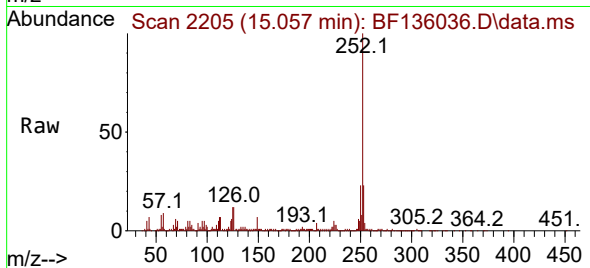
Tgt Ion:252 Resp: 233369

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 12.4 7.5 11.3#



#89

Benzo(k)fluoranthene

Concen: 9.562 ng

RT: 15.057 min Scan# 2205

Delta R.T. -0.035 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

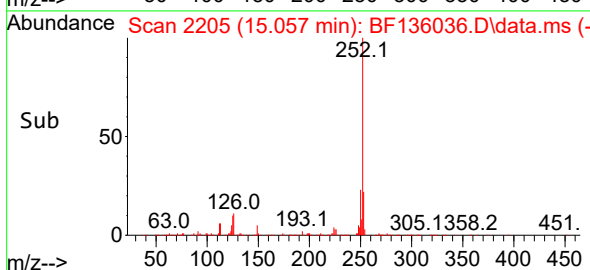
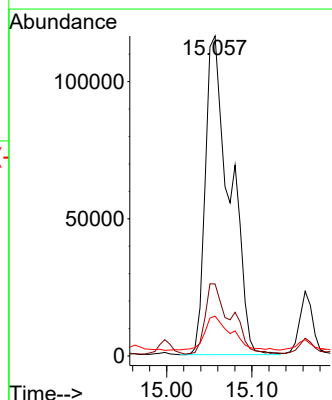
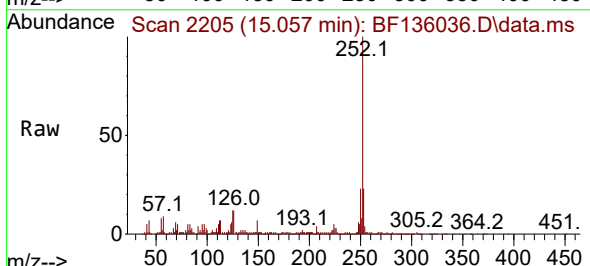
Tgt Ion:252 Resp: 233369

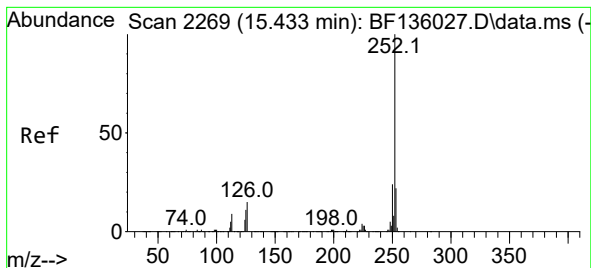
Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 12.4 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 5.167 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

Instrument :

BNA_F

ClientSampleId :

WC-1

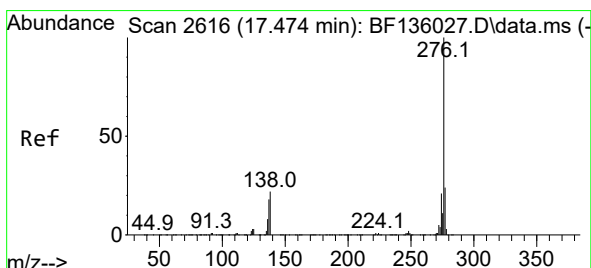
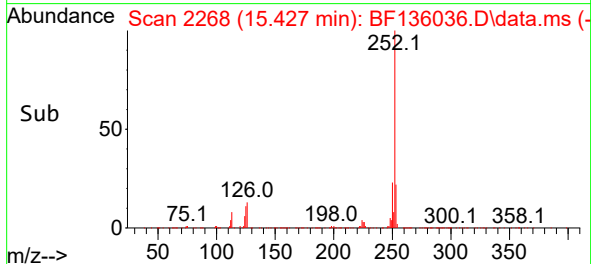
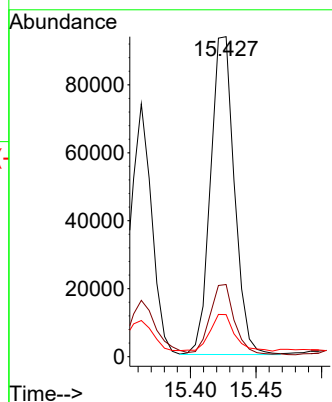
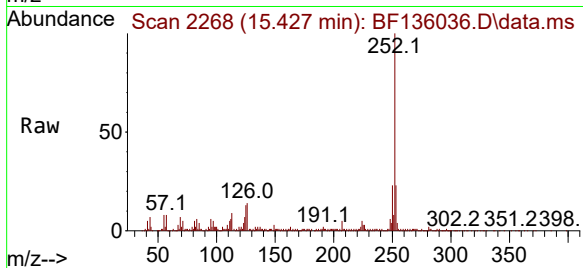
Tgt Ion:252 Resp: 118410

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

125 13.2 9.0 13.6



#92

Benzo(g,h,i)perylene

Concen: 4.766 ng

RT: 17.445 min Scan# 2611

Delta R.T. -0.029 min

Lab File: BF136036.D

Acq: 30 Oct 2023 19:32

Tgt Ion:276 Resp: 50591

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.4

138 21.9 17.4 26.2

