

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
 Data File : BF136039.D
 Acq On : 30 Oct 2023 21:03
 Operator : CG\JU
 Sample : 05078-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-102323

Quant Time: Oct 31 01:42:09 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)

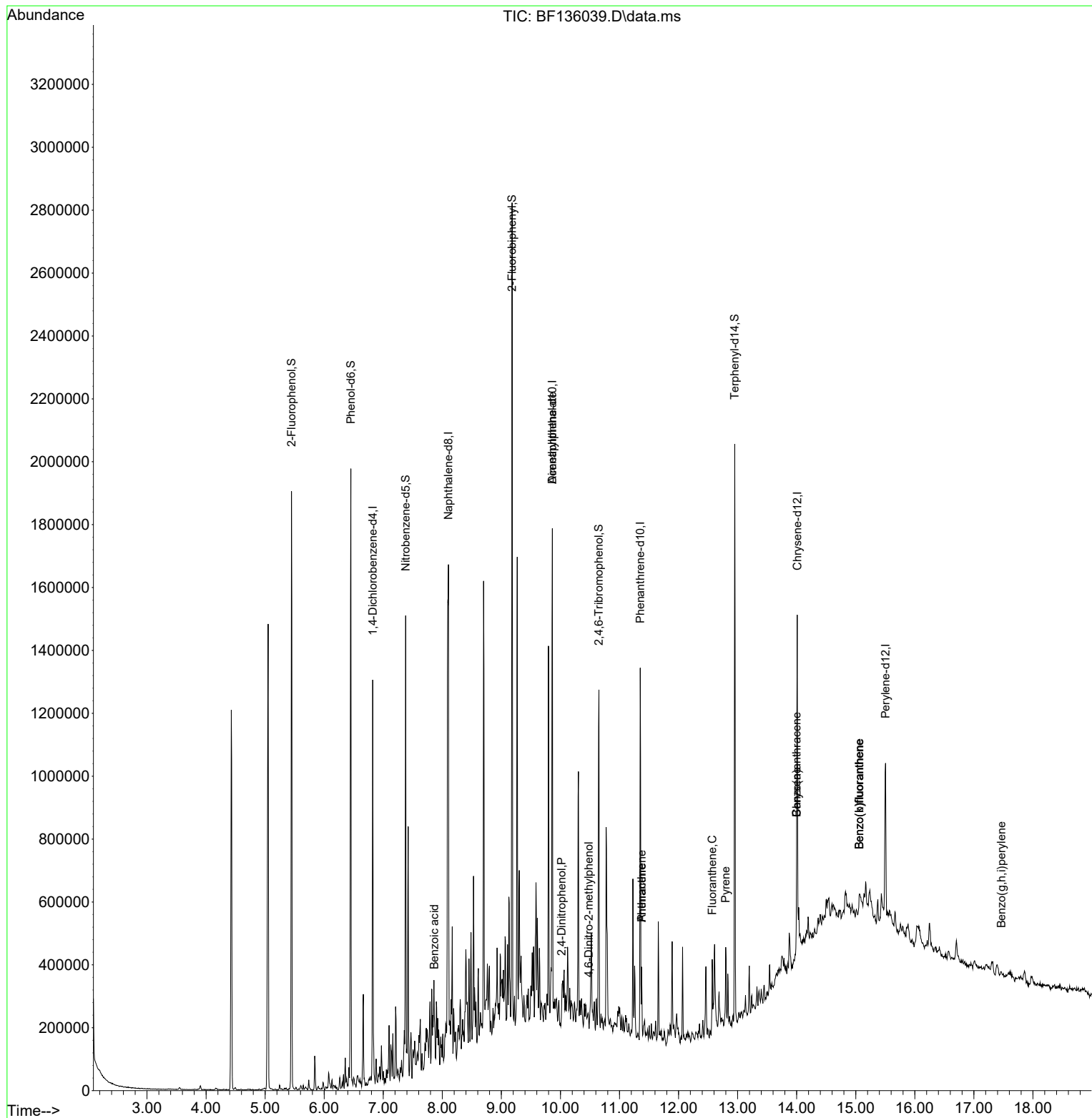
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	164892	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	612026	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	281702	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	420708	20.000	ng	0.00
76) Chrysene-d12	14.010	240	331785	20.000	ng	0.00
86) Perylene-d12	15.504	264	238201	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	519306	49.489	ng	0.00
7) Phenol-d6	6.451	99	628625	48.082	ng	0.00
23) Nitrobenzene-d5	7.381	82	368143	36.261	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	126350	42.021	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	705169	39.904	ng	0.00
79) Terphenyl-d14	12.951	244	613624	28.741	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	7.863	122	540	5.182	ng	# 1
50) Dimethylphthalate	9.863	163	59940	3.226	ng	# 1
54) 2,4-Dinitrophenol	10.022	184	53	7.999	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.480	198	66	5.816	ng	# 1
71) Phenanthrene	11.374	178	70031	3.306	ng	98
72) Anthracene	11.374	178	70031	3.226	ng	98
75) Fluoranthene	12.569	202	87632	4.027	ng	99
78) Pyrene	12.798	202	106122	3.628	ng	99
81) Benzo(a)anthracene	13.998	228	47014	2.140	ng	94
83) Chrysene	13.998	228	47014	2.173	ng	97
88) Benzo(b)fluoranthene	15.062	252	48316	3.428	ng	# 54
89) Benzo(k)fluoranthene	15.062	252	48316	3.465	ng	# 54
92) Benzo(g,h,i)perylene	17.468	276	18408	4.086	ng	# 80

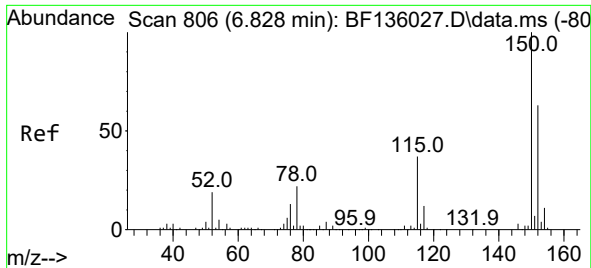
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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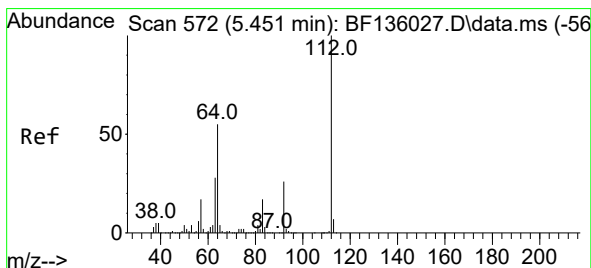
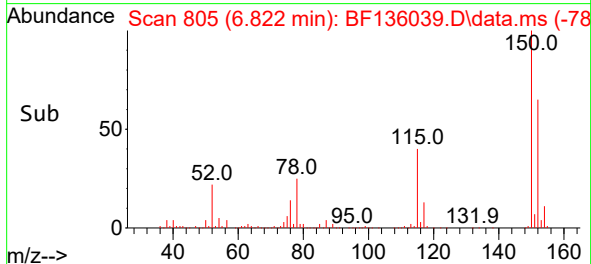
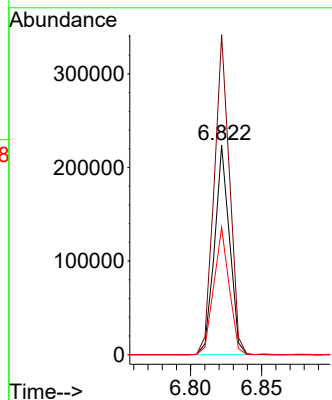
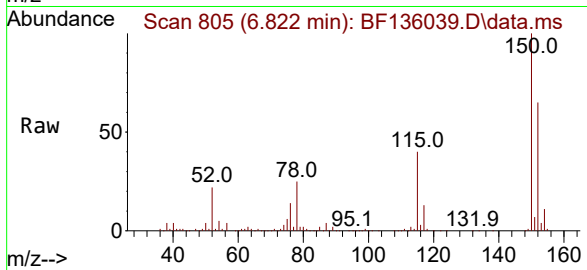




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

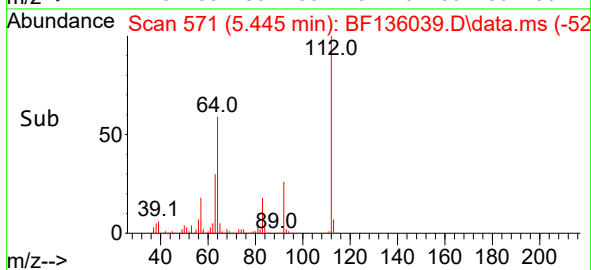
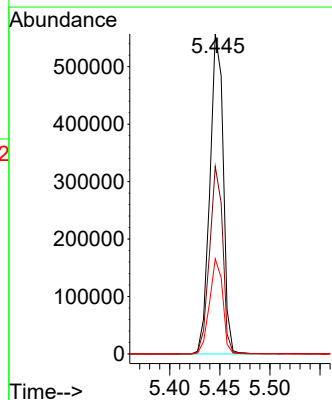
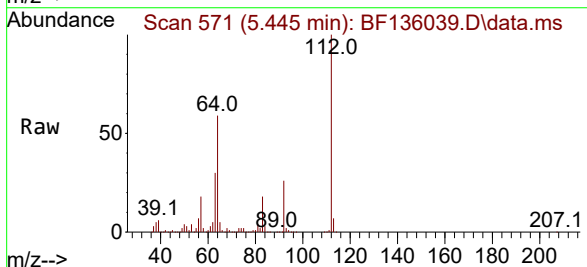
Instrument :
BNA_F
ClientSampleId :
EO-03-102323

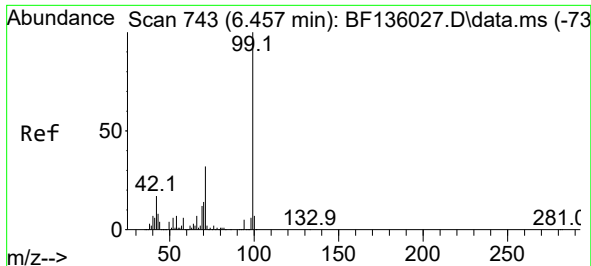
Tgt Ion:152 Resp: 164892
Ion Ratio Lower Upper
152 100
150 152.8 126.4 189.6
115 60.7 47.0 70.4



#5
2-Fluorophenol
Concen: 49.489 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

Tgt Ion:112 Resp: 519306
Ion Ratio Lower Upper
112 100
64 58.6 43.9 65.9
63 29.7 22.4 33.6

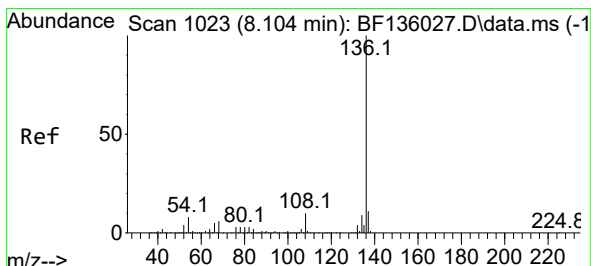
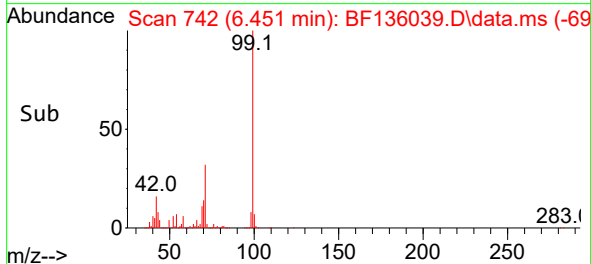
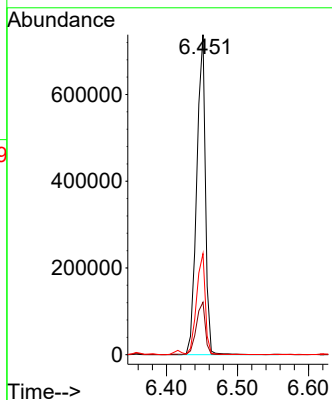
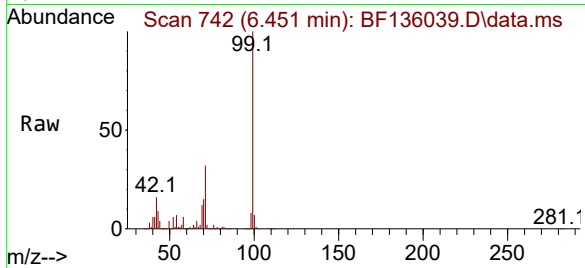




#7
Phenol-d6
Concen: 48.082 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

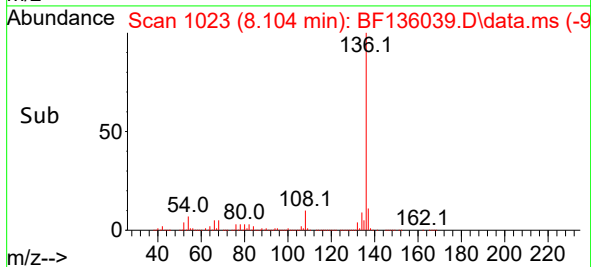
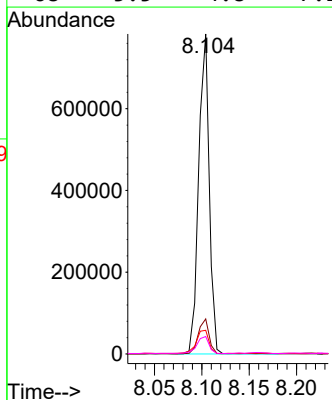
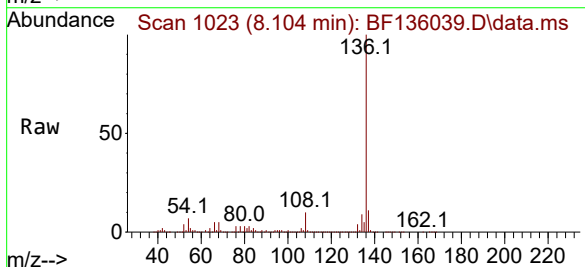
Instrument :
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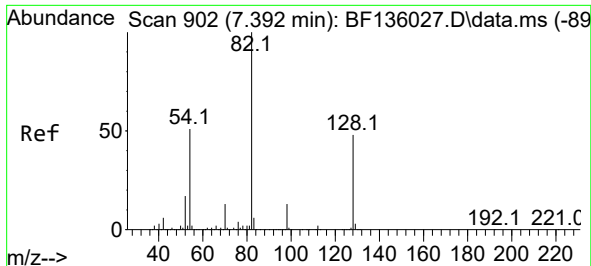
Tgt Ion: 99 Resp: 628625
Ion Ratio Lower Upper
99 100
42 16.4 13.7 20.5
71 31.6 25.9 38.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

Tgt Ion: 136 Resp: 612026
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.4 6.6 9.8
68 5.5 4.8 7.2





#23

Nitrobenzene-d5

Concen: 36.261 ng

RT: 7.381 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF136039.D

Acq: 30 Oct 2023 21:03

Instrument :

BNA_F

ClientSampleId :

EO-03-102323

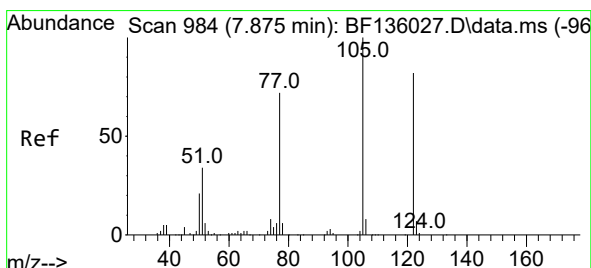
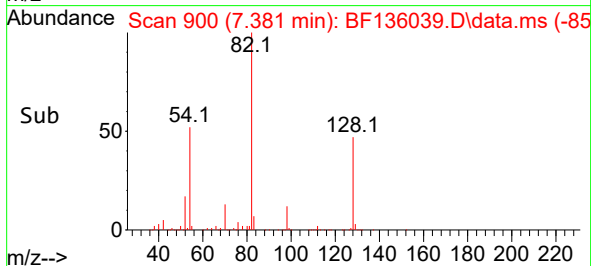
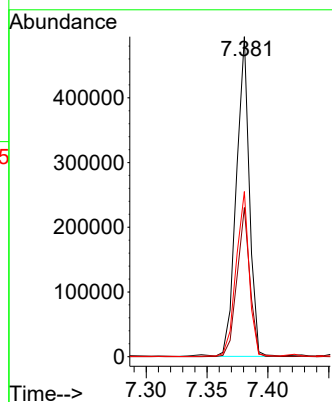
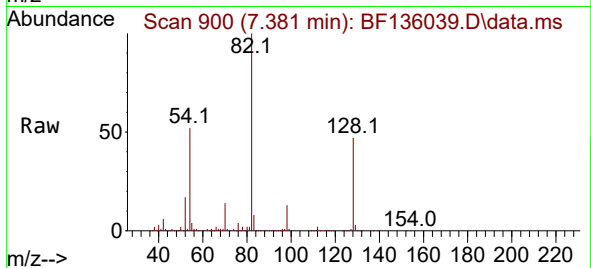
Tgt Ion: 82 Resp: 368143

Ion Ratio Lower Upper

82 100

128 46.6 38.6 57.8

54 51.6 40.8 61.2



#32

Benzoic acid

Concen: 5.182 ng

RT: 7.863 min Scan# 982

Delta R.T. -0.012 min

Lab File: BF136039.D

Acq: 30 Oct 2023 21:03

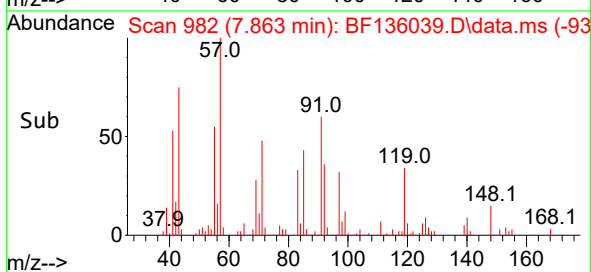
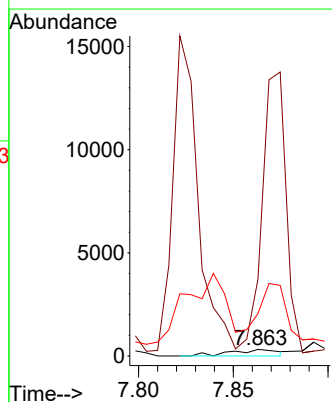
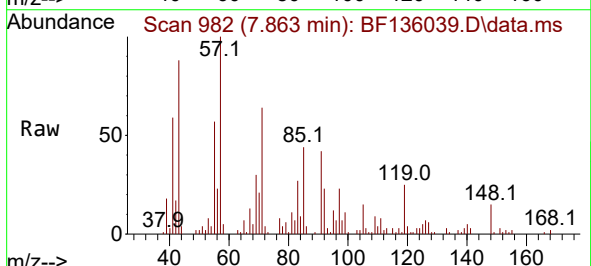
Tgt Ion:122 Resp: 540

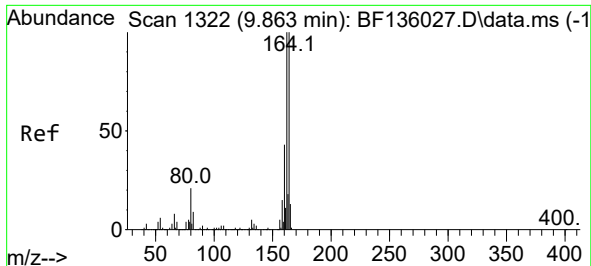
Ion Ratio Lower Upper

122 100

105 1170.8 99.5 139.5#

77 645.6 66.8 106.8#

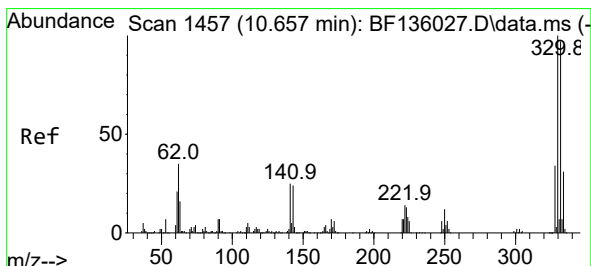
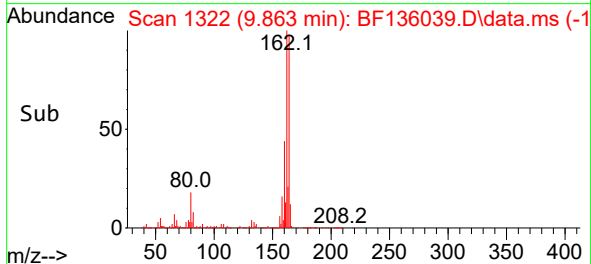
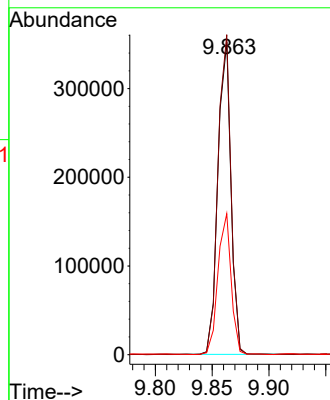
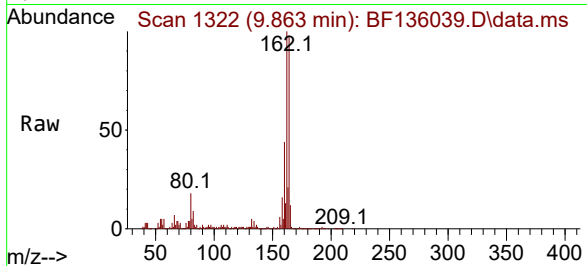




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

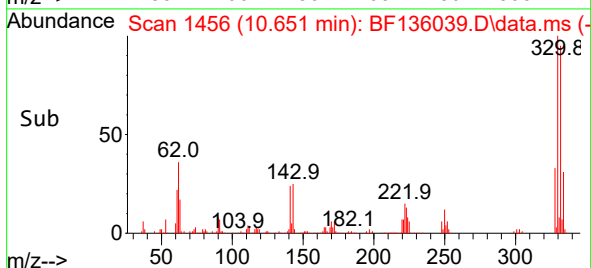
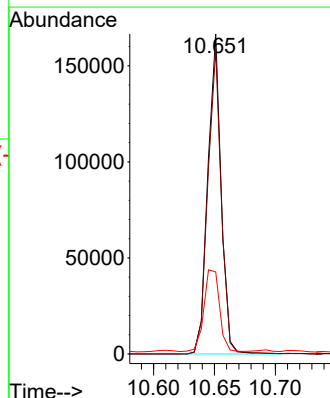
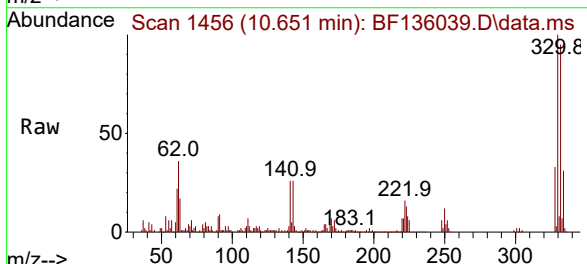
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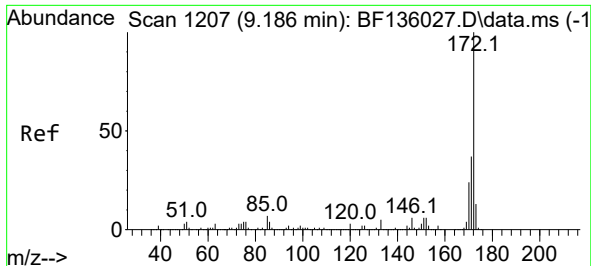
Tgt Ion:164 Resp: 281702
Ion Ratio Lower Upper
164 100
162 102.4 80.1 120.1
160 45.1 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 42.021 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

Tgt Ion:330 Resp: 126350
Ion Ratio Lower Upper
330 100
332 95.6 76.9 115.3
141 29.9 23.2 34.8

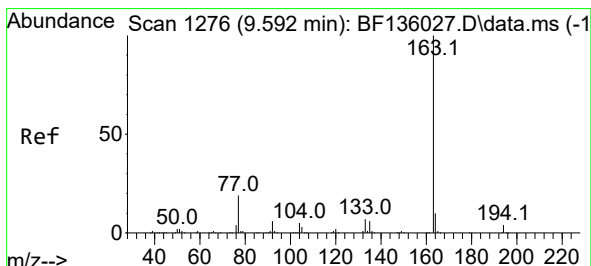
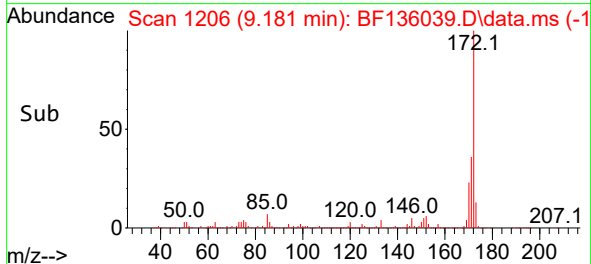
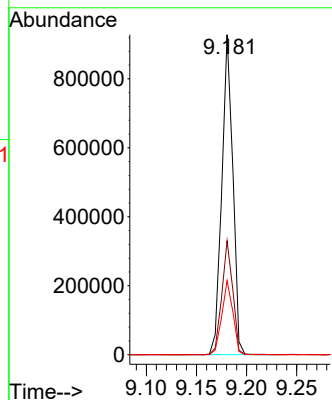
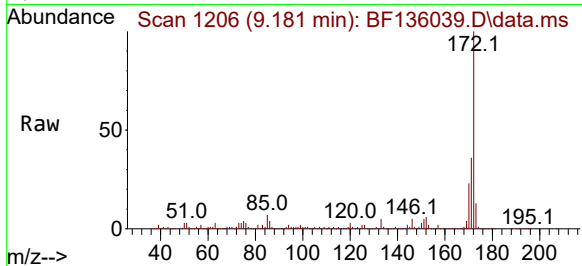




#45
2-Fluorobiphenyl
Concen: 39.904 ng
RT: 9.181 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

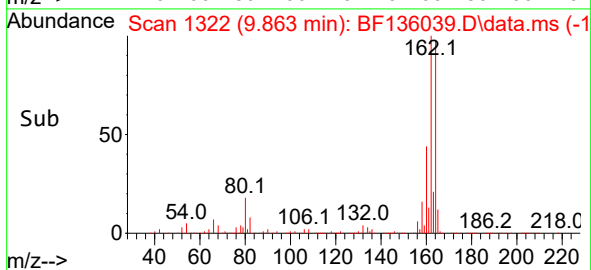
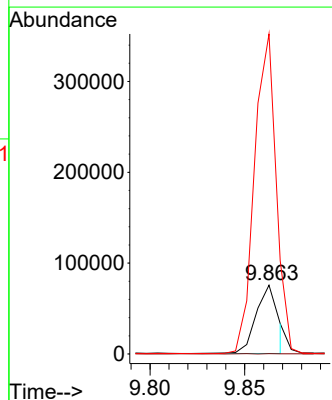
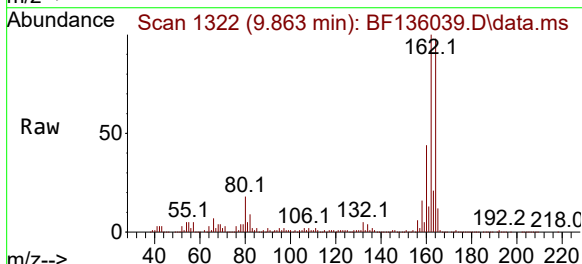
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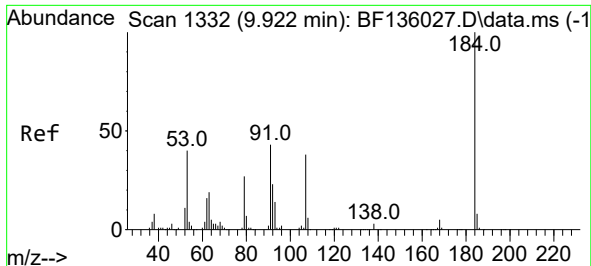
Tgt Ion:172 Resp: 705169
Ion Ratio Lower Upper
172 100
171 35.6 29.4 44.0
170 23.1 19.3 28.9



#50
Dimethylphthalate
Concen: 3.226 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.271 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

Tgt Ion:163 Resp: 59940
Ion Ratio Lower Upper
163 100
194 0.4 3.2 4.8#
164 464.9 8.1 12.1#

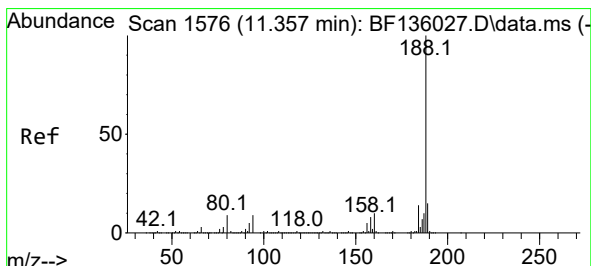
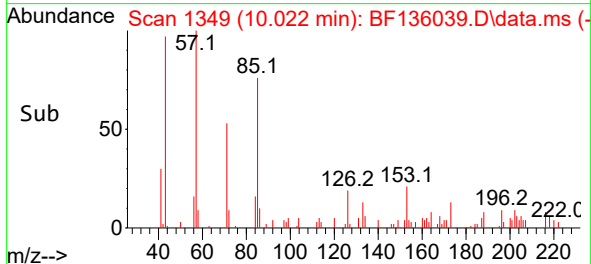
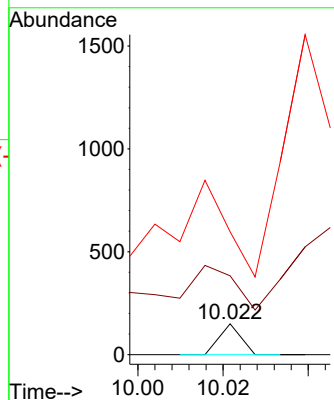
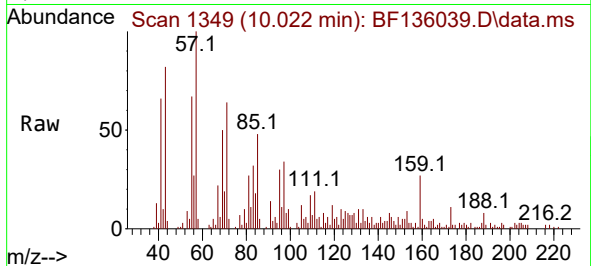




#54
2,4-Dinitrophenol
Concen: 7.999 ng
RT: 10.022 min Scan# 11
Delta R.T. 0.100 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

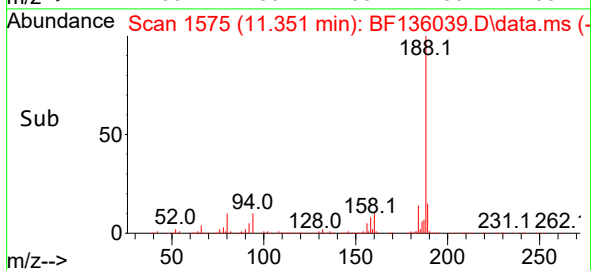
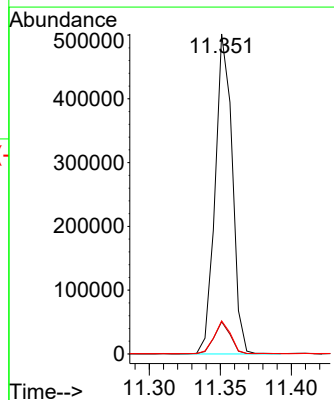
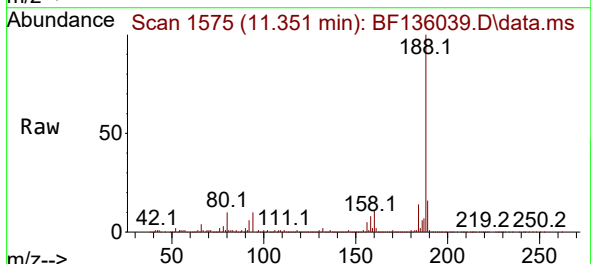
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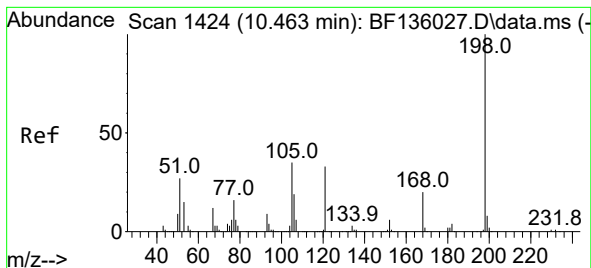
Tgt Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 255.3 43.7 65.5#
154 398.0 51.2 76.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

Tgt Ion:188 Resp: 420708
Ion Ratio Lower Upper
188 100
94 10.0 7.2 10.8
80 10.3 7.4 11.0

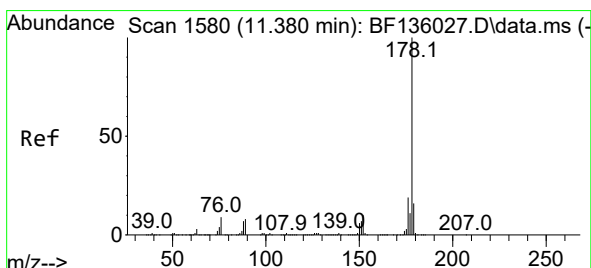
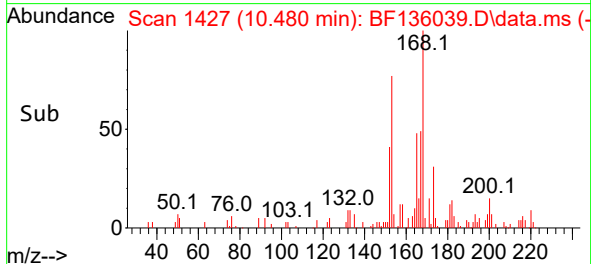
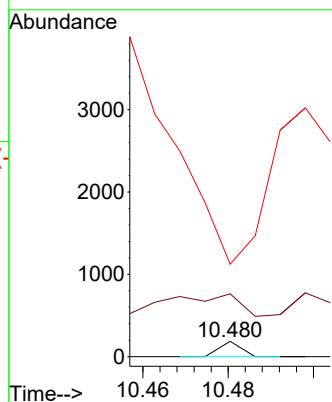
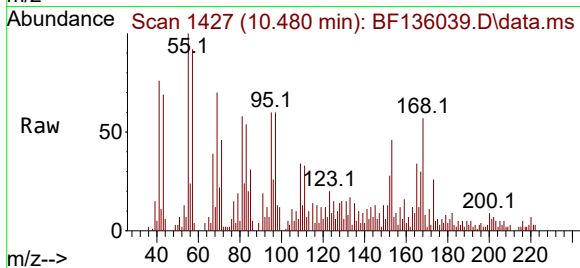




#65
4,6-Dinitro-2-methylphenol
Concen: 5.816 ng
RT: 10.480 min Scan# 14
Delta R.T. 0.017 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

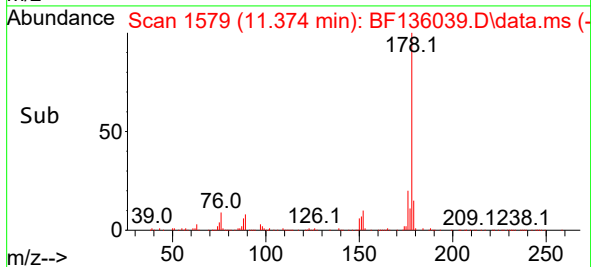
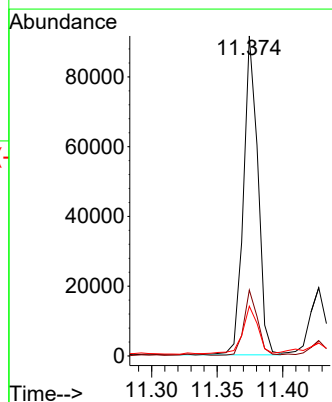
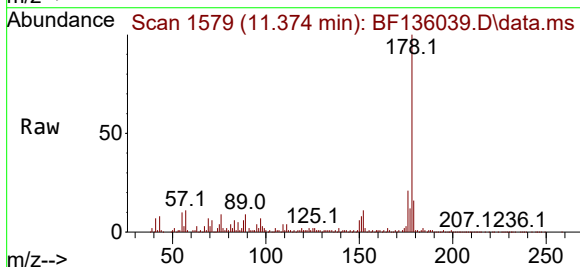
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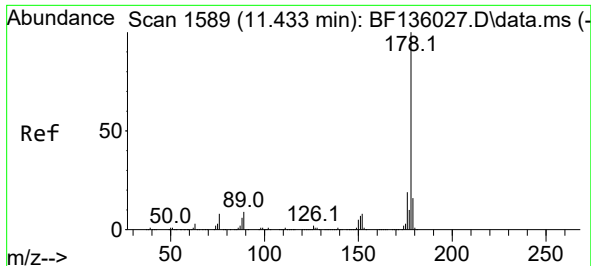
Tgt Ion:198 Resp: 66
Ion Ratio Lower Upper
198 100
51 410.2 12.9 52.9#
105 603.8 16.0 56.0#



#71
Phenanthrene
Concen: 3.306 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF136039.D
Acq: 30 Oct 2023 21:03

Tgt Ion:178 Resp: 70031
Ion Ratio Lower Upper
178 100
176 20.6 15.5 23.3
179 15.6 12.9 19.3

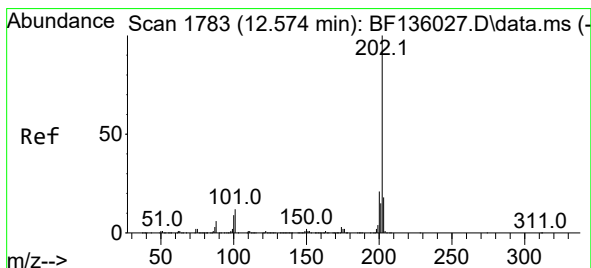
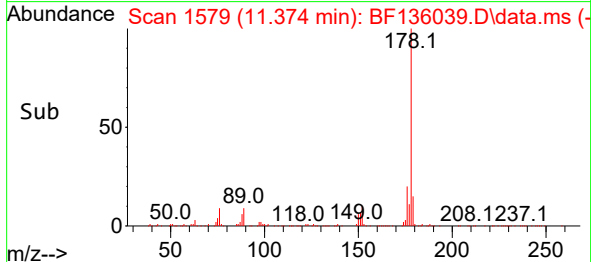
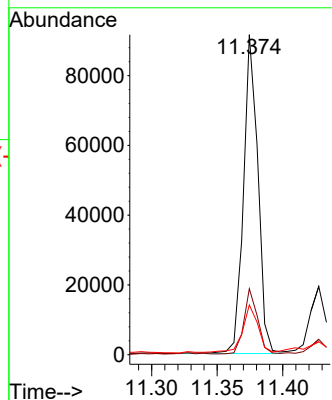
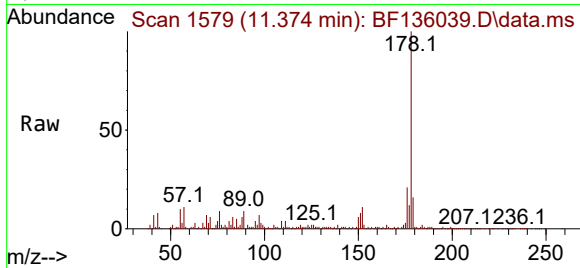




#72
 Anthracene
 Concen: 3.226 ng
 RT: 11.374 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF136039.D
 Acq: 30 Oct 2023 21:03

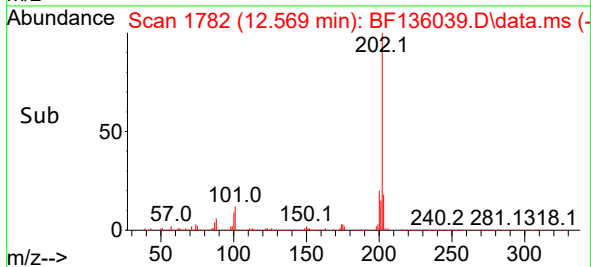
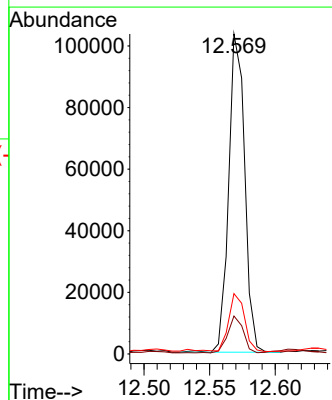
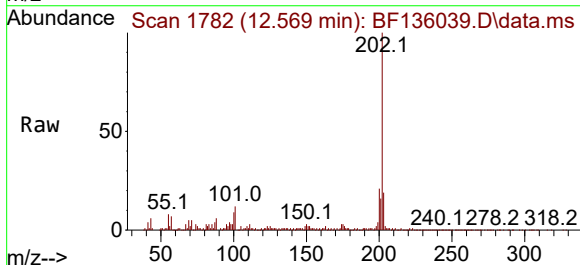
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-102323

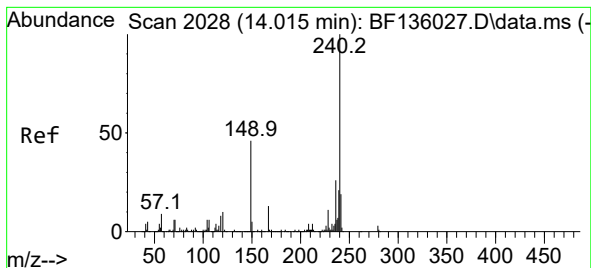
Tgt Ion:178 Resp: 70031
 Ion Ratio Lower Upper
 178 100
 176 20.6 15.0 22.4
 179 15.6 12.6 18.8



#75
 Fluoranthene
 Concen: 4.027 ng
 RT: 12.569 min Scan# 1782
 Delta R.T. -0.006 min
 Lab File: BF136039.D
 Acq: 30 Oct 2023 21:03

Tgt Ion:202 Resp: 87632
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 31.8
 203 18.8 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: BF136039.D

Acq: 30 Oct 2023 21:03

Instrument :

BNA_F

ClientSampleId :

EO-03-102323

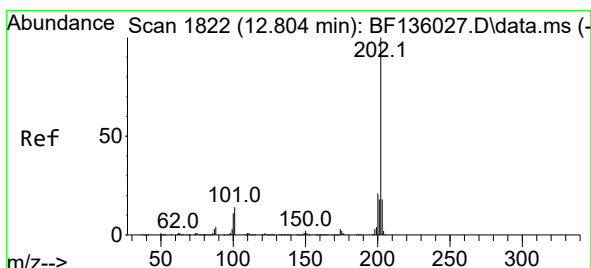
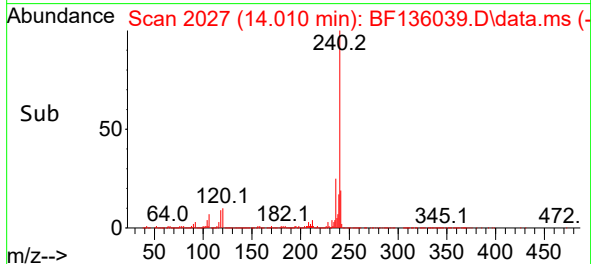
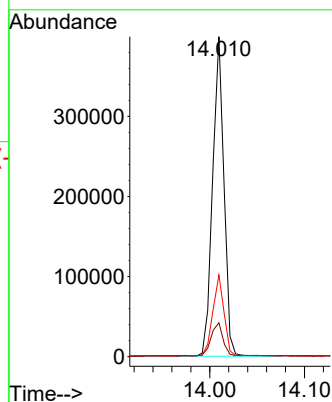
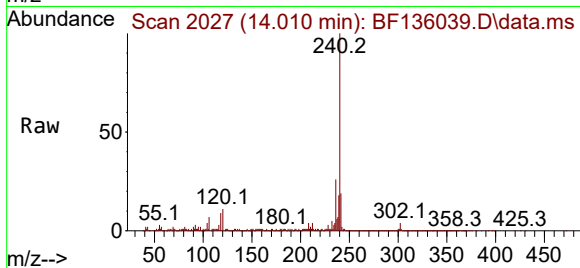
Tgt Ion:240 Resp: 331785

Ion Ratio Lower Upper

240 100

120 10.6 7.6 11.4

236 25.5 20.6 31.0



#78

Pyrene

Concen: 3.628 ng

RT: 12.798 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF136039.D

Acq: 30 Oct 2023 21:03

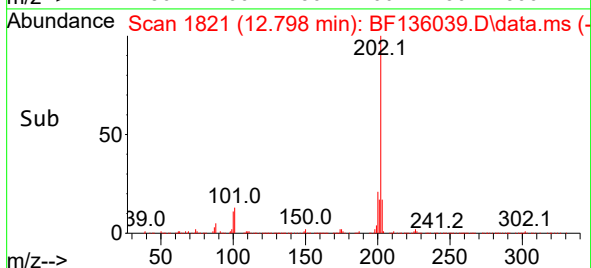
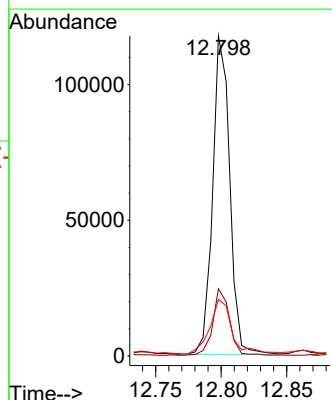
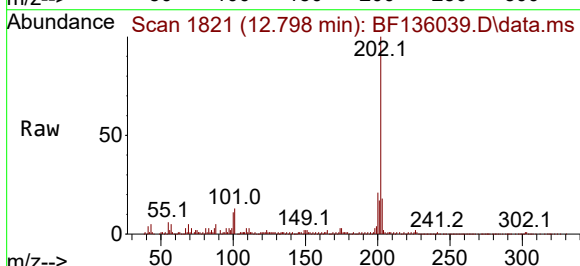
Tgt Ion:202 Resp: 106122

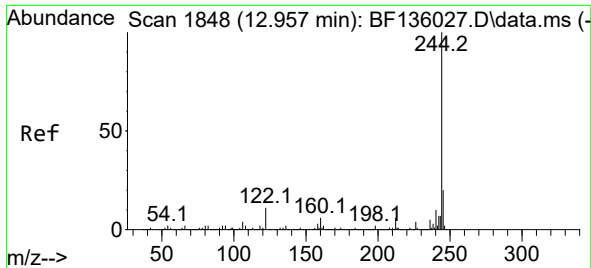
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 17.7 14.4 21.6

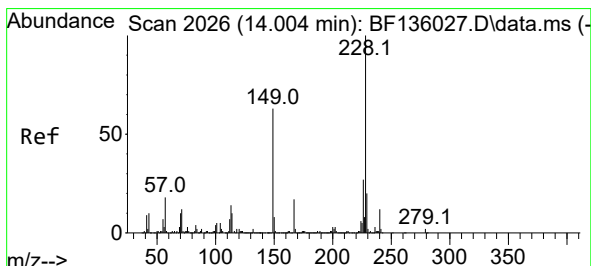
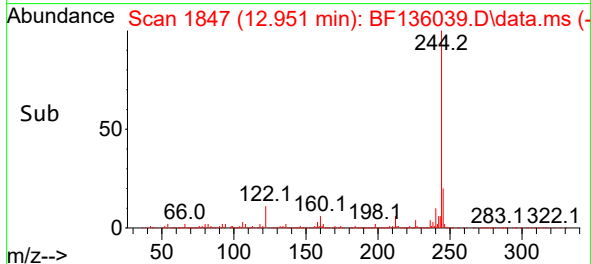
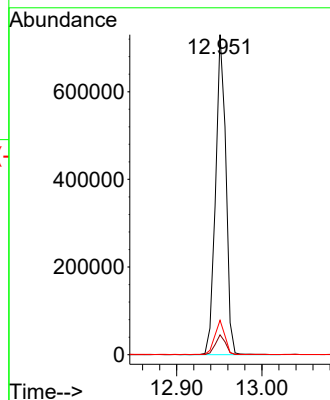
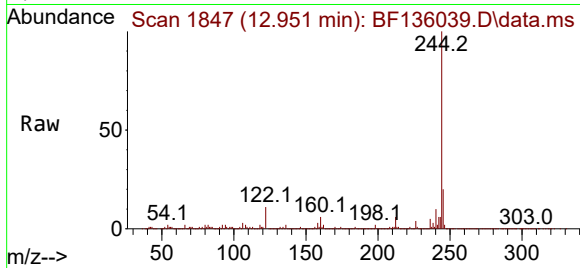




#79
 Terphenyl-d14
 Concen: 28.741 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF136039.D
 Acq: 30 Oct 2023 21:03

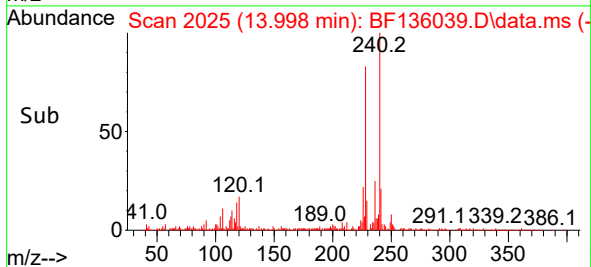
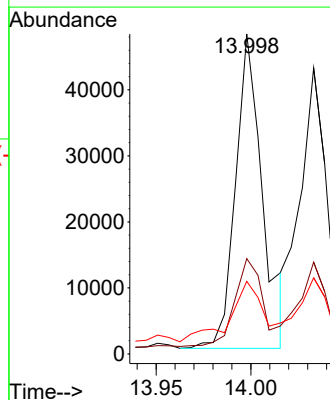
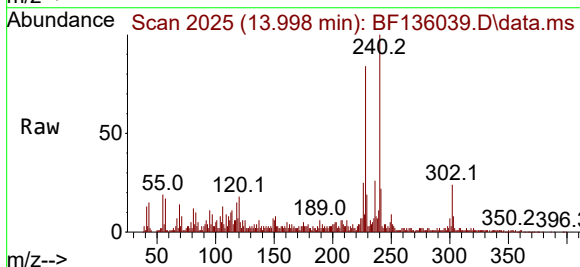
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-102323

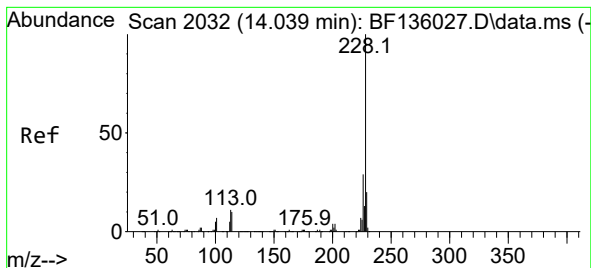
Tgt Ion:244 Resp: 613624
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.1 7.7
 122 10.8 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 2.140 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.006 min
 Lab File: BF136039.D
 Acq: 30 Oct 2023 21:03

Tgt Ion:228 Resp: 47014
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.5 32.3
 229 22.7 15.8 23.6





#83

Chrysene

Concen: 2.173 ng

RT: 13.998 min Scan# 2032

Delta R.T. -0.041 min

Lab File: BF136039.D

Acq: 30 Oct 2023 21:03

Instrument :

BNA_F

ClientSampleId :

EO-03-102323

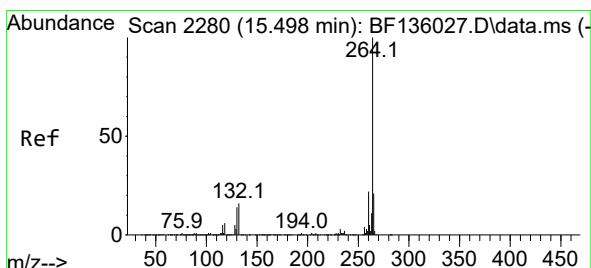
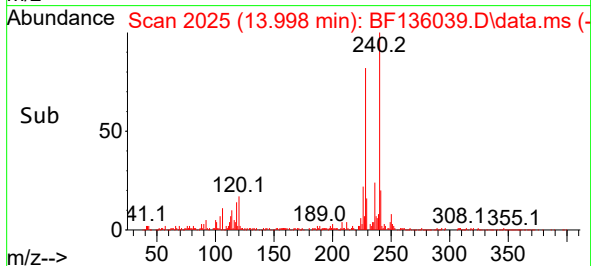
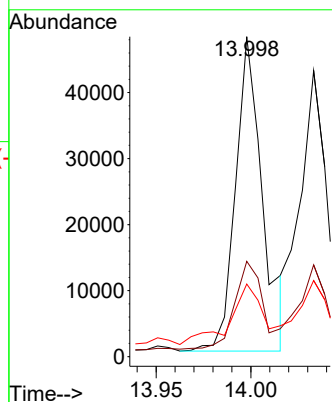
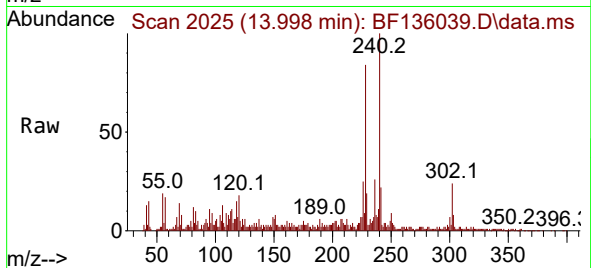
Tgt Ion:228 Resp: 47014

Ion Ratio Lower Upper

228 100

226 29.8 23.5 35.3

229 22.7 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2281

Delta R.T. 0.006 min

Lab File: BF136039.D

Acq: 30 Oct 2023 21:03

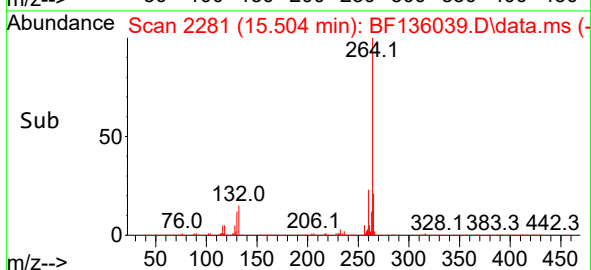
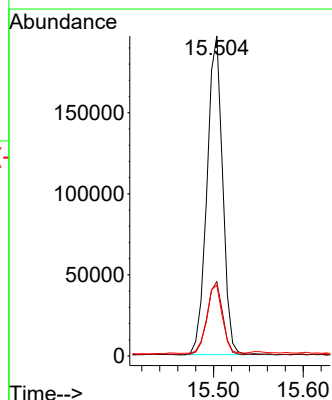
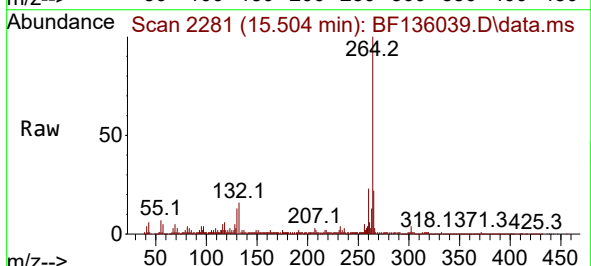
Tgt Ion:264 Resp: 238201

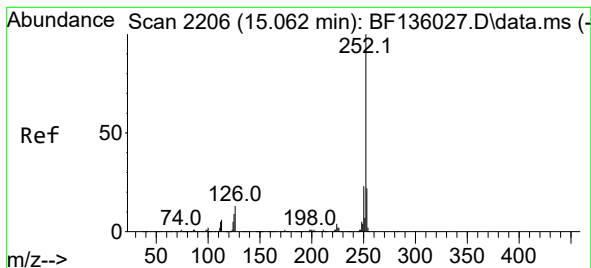
Ion Ratio Lower Upper

264 100

260 23.2 17.9 26.9

265 22.1 16.8 25.2





#88

Benzo(b)fluoranthene

Concen: 3.428 ng

RT: 15.062 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BF136039.D

Acq: 30 Oct 2023 21:03

Instrument :

BNA_F

ClientSampleId :

EO-03-102323

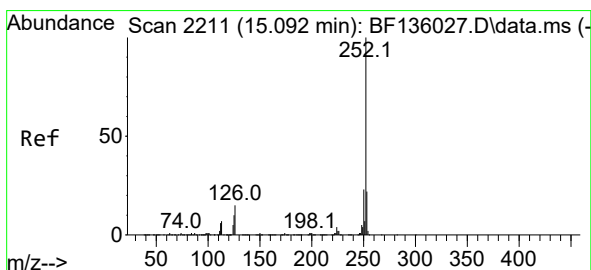
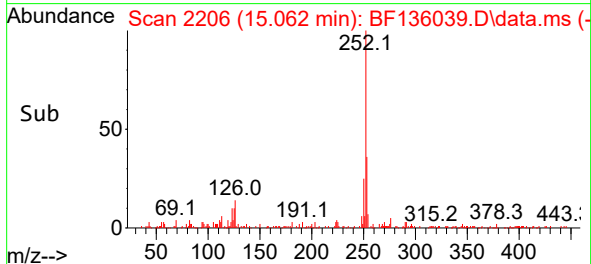
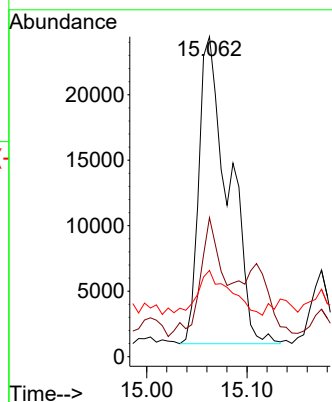
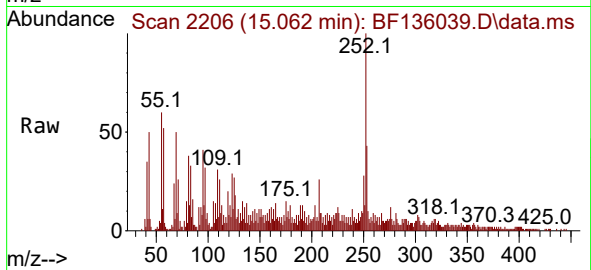
Tgt Ion:252 Resp: 48316

Ion Ratio Lower Upper

252 100

253 43.4 17.7 26.5#

125 27.0 7.5 11.3#



#89

Benzo(k)fluoranthene

Concen: 3.465 ng

RT: 15.062 min Scan# 2206

Delta R.T. -0.029 min

Lab File: BF136039.D

Acq: 30 Oct 2023 21:03

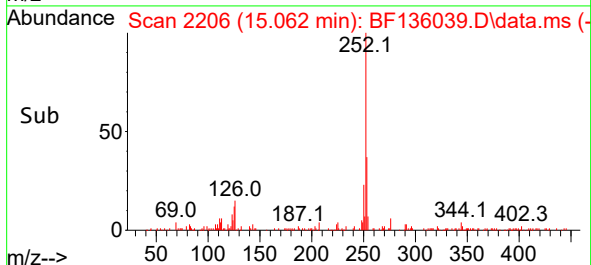
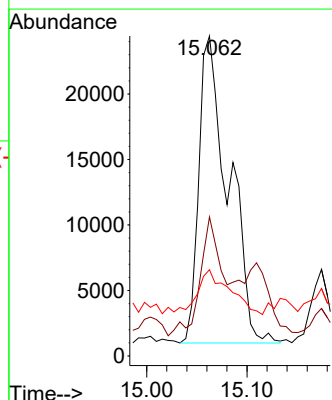
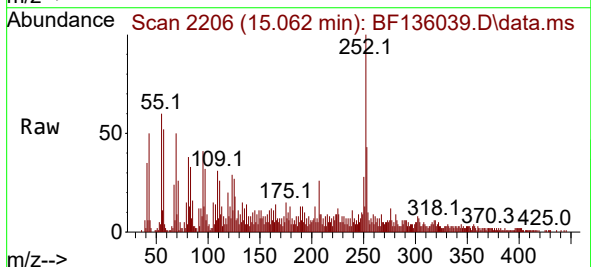
Tgt Ion:252 Resp: 48316

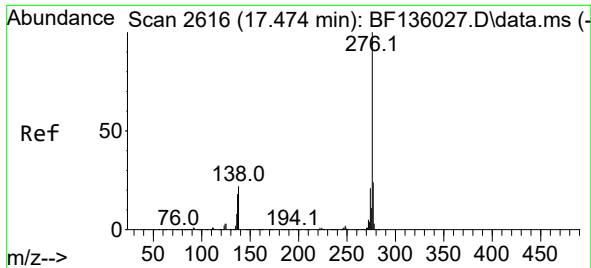
Ion Ratio Lower Upper

252 100

253 43.4 17.4 26.0#

125 27.0 8.0 12.0#





#92

Benzo(g,h,i)perylene

Concen: 4.086 ng

RT: 17.468 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136039.D

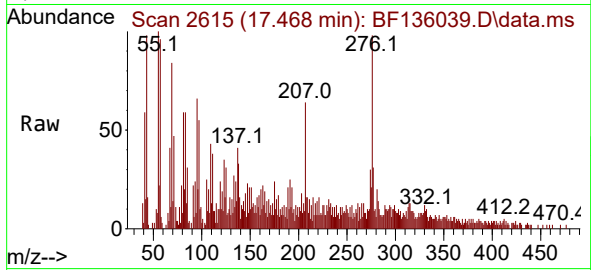
Acq: 30 Oct 2023 21:03

Instrument :

BNA_F

ClientSampleId :

EO-03-102323



Tgt Ion:276 Resp: 18408

Ion Ratio Lower Upper

276 100

277 31.1 19.0 28.4#

138 33.8 17.4 26.2#

