

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
 Data File : BF136065.D
 Acq On : 31 Oct 2023 22:15
 Operator : CG\JU
 Sample : 04888-01RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-304-COMP-21RE

Quant Time: Nov 01 00:38:36 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

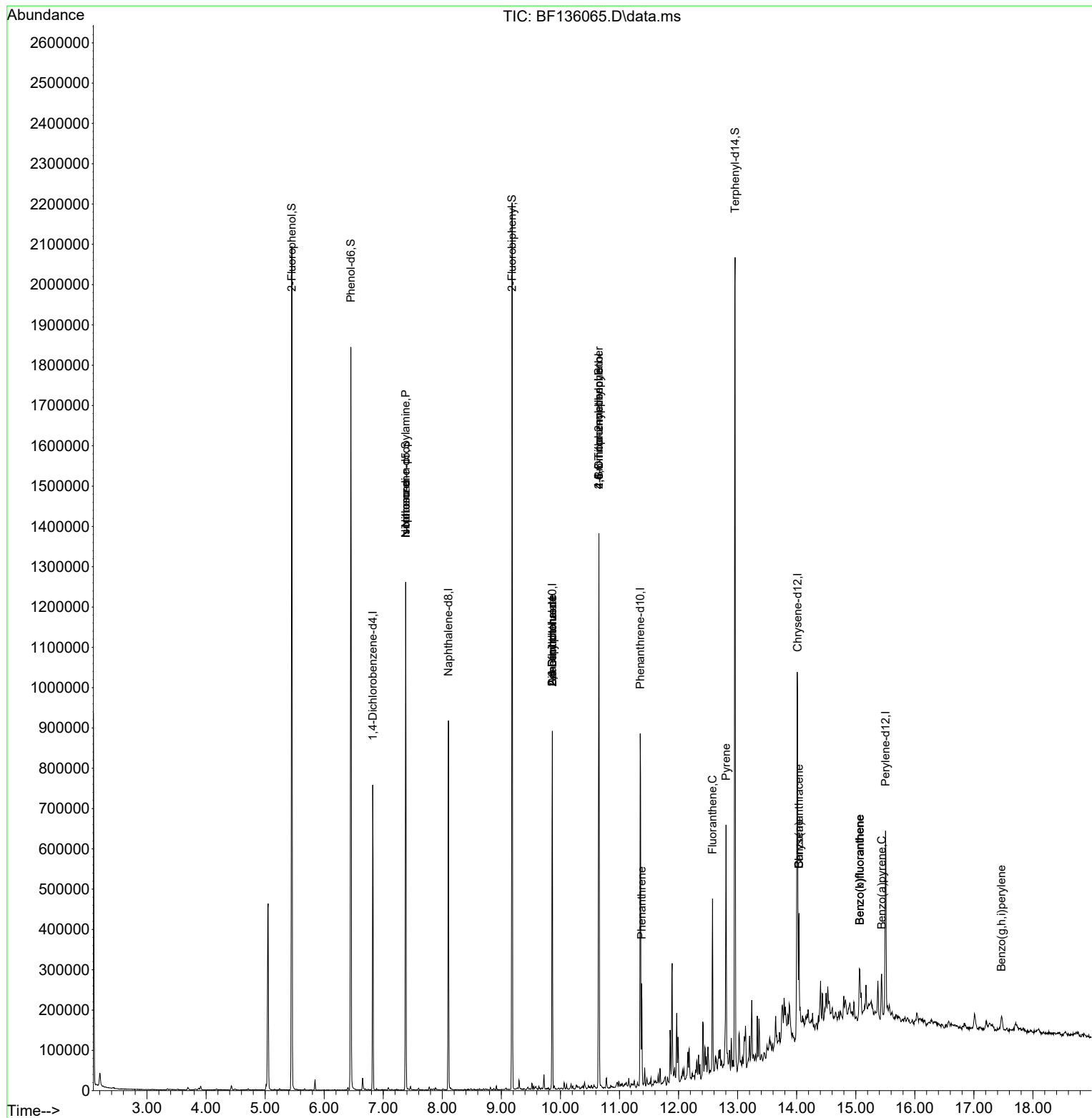
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	102253	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	344458	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	157032	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	314970	20.000	ng	0.00
76) Chrysene-d12	14.016	240	290294	20.000	ng	0.00
86) Perylene-d12	15.504	264	213085	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	548522	84.296	ng	0.00
7) Phenol-d6	6.451	99	627316	77.375	ng	0.00
23) Nitrobenzene-d5	7.381	82	347390	60.796	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	153634	91.660	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	574153	58.285	ng	0.00
79) Terphenyl-d14	12.957	244	739568	39.591	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.381	70	44568	9.621	ng	# 80
25) Isophorone	7.381	82	347386	32.203	ng	# 64
50) Dimethylphthalate	9.863	163	33050	3.191	ng	# 1
51) 2,6-Dinitrotoluene	9.863	165	21468	9.690	ng	# 28
57) 2,4-Dinitrotoluene	9.863	165	21468	7.659	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.651	198	342	5.964	ng	# 1
67) 4-Bromophenyl-phenylether	10.651	248	9691	2.935	ng	# 1
71) Phenanthrene	11.375	178	90266	5.692	ng	99
75) Fluoranthene	12.574	202	155023	9.515	ng	98
78) Pyrene	12.804	202	227010	8.870	ng	99
81) Benzo(a)anthracene	14.039	228	117582	6.118	ng	96
83) Chrysene	14.039	228	117582	6.213	ng	99
88) Benzo(b)fluoranthene	15.068	252	101786	8.073	ng	# 98
89) Benzo(k)fluoranthene	15.068	252	101786	8.159	ng	97
90) Benzo(a)pyrene	15.439	252	55405	4.729	ng	97
92) Benzo(g,h,i)perylene	17.468	276	27618	4.893	ng	# 93

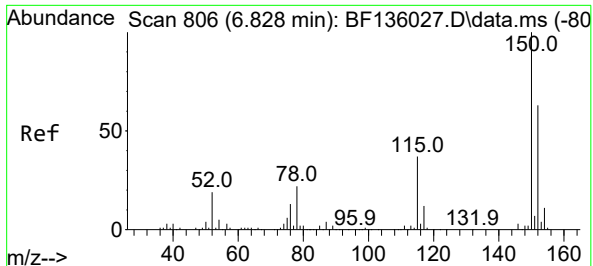
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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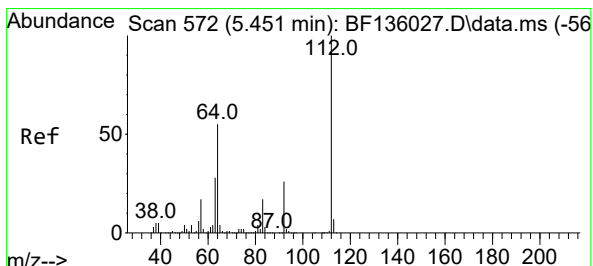
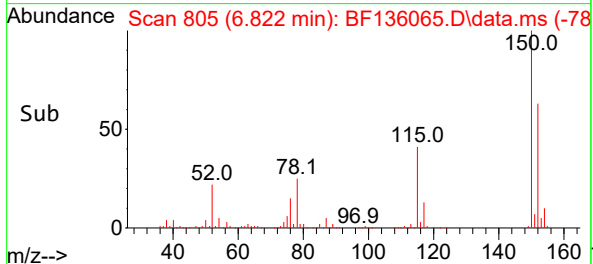
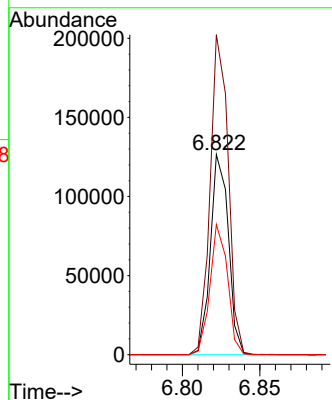
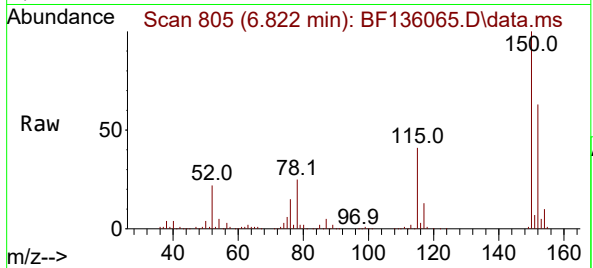




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

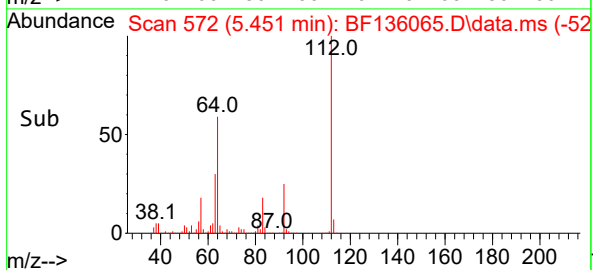
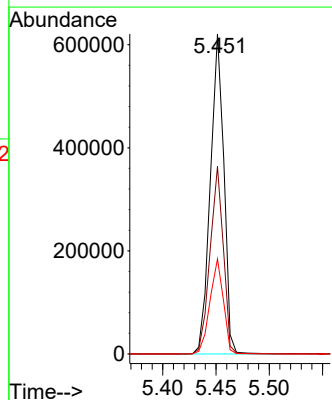
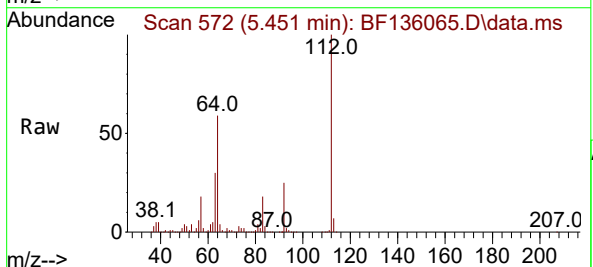
Instrument :
BNA_F
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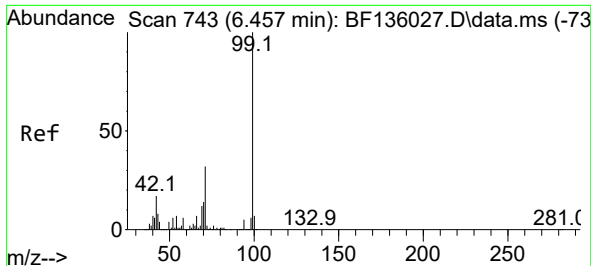
Tgt Ion:152 Resp: 102253
Ion Ratio Lower Upper
152 100
150 159.8 126.4 189.6
115 65.1 47.0 70.4



#5
2-Fluorophenol
Concen: 84.296 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

Tgt Ion:112 Resp: 548522
Ion Ratio Lower Upper
112 100
64 58.6 43.9 65.9
63 29.7 22.4 33.6

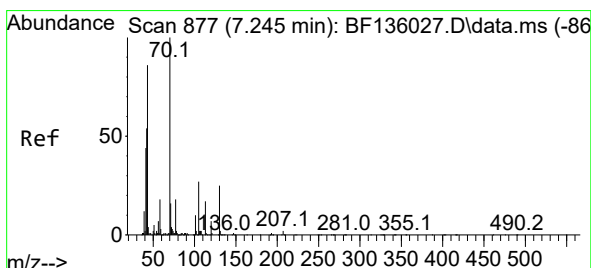
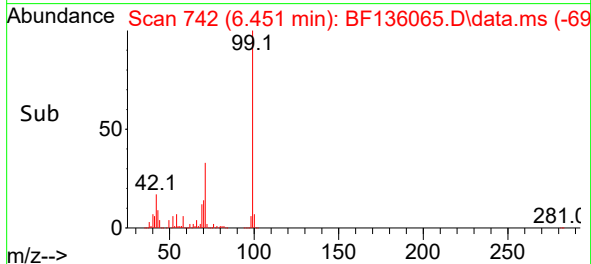
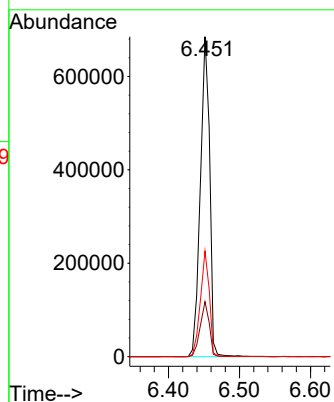
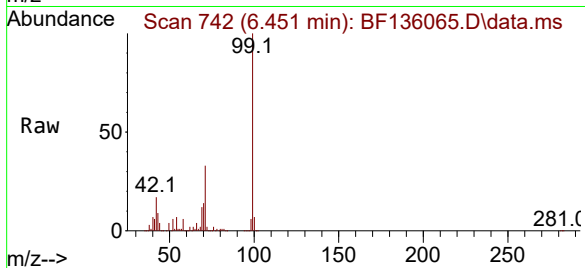




#7
Phenol-d6
Concen: 77.375 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

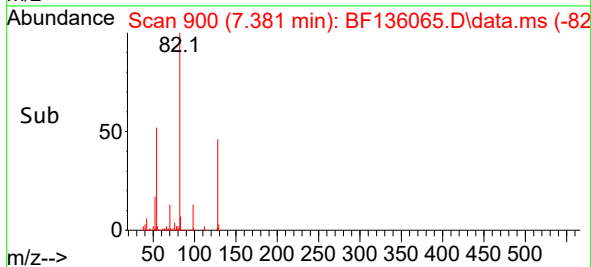
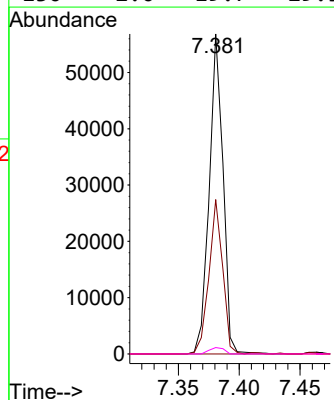
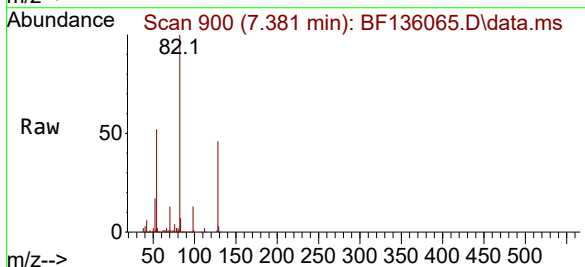
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21RE

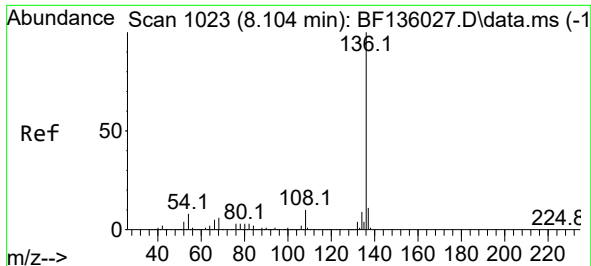
Tgt Ion: 99 Resp: 627316
Ion Ratio Lower Upper
99 100
42 17.2 13.7 20.5
71 33.0 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.621 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.135 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

Tgt Ion: 70 Resp: 44568
Ion Ratio Lower Upper
70 100
42 48.3 43.0 64.4
101 0.0 8.0 12.0#
130 2.0 19.7 29.5#

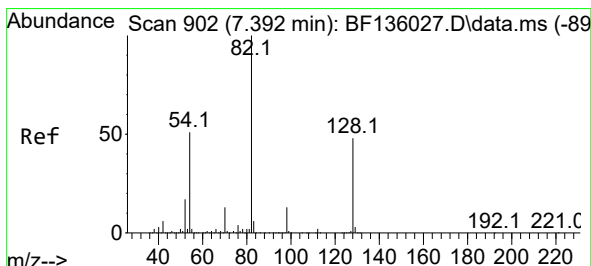
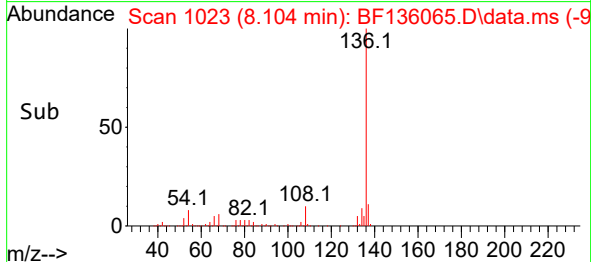
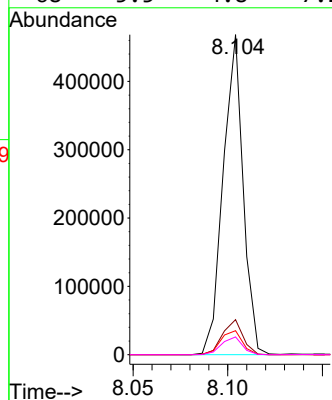
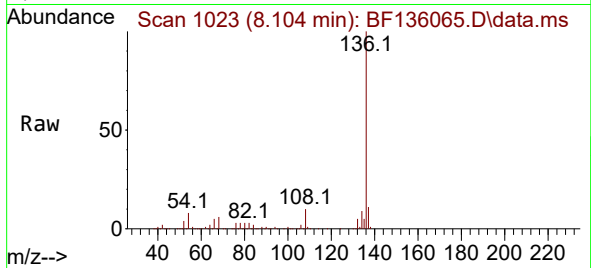




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

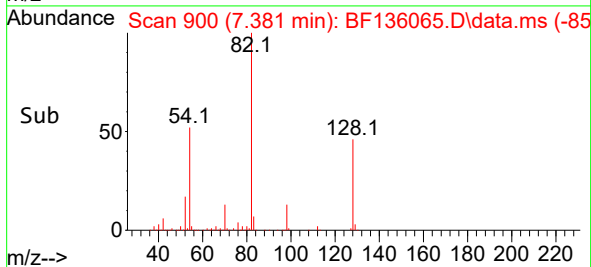
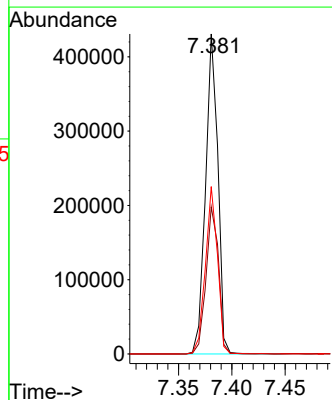
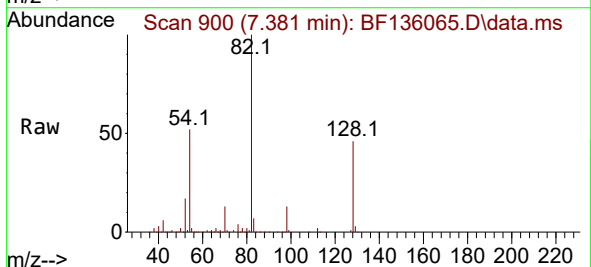
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BNA_F
ClientSampleId :
TR-304-COMP-21RE

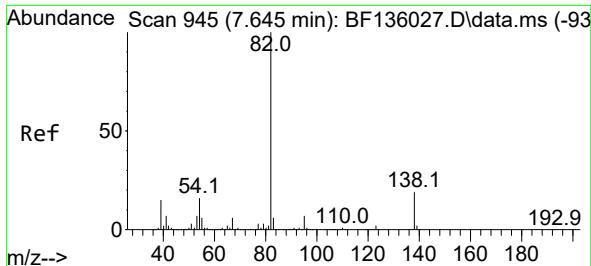
Tgt Ion:136 Resp: 344458
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 7.5 6.6 9.8
68 5.5 4.8 7.2



#23
Nitrobenzene-d5
Concen: 60.796 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

Tgt Ion: 82 Resp: 347390
Ion Ratio Lower Upper
82 100
128 46.0 38.6 57.8
54 52.3 40.8 61.2

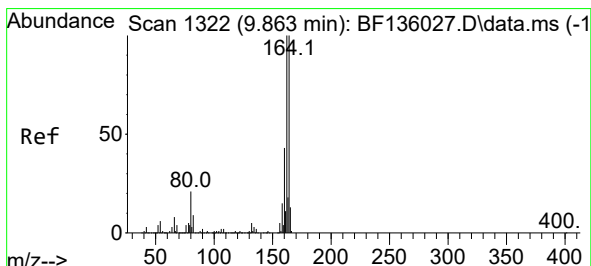
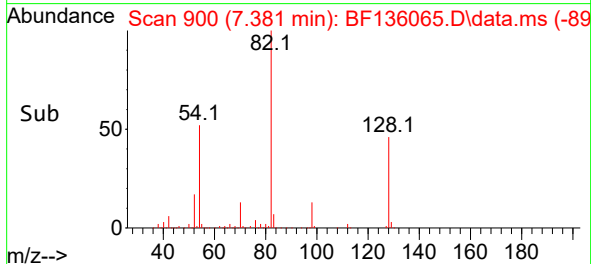
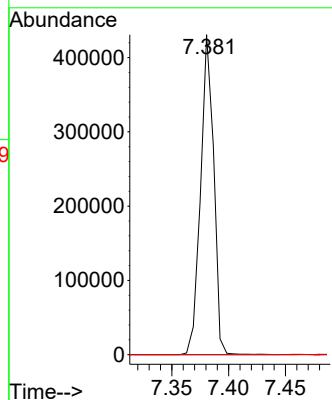
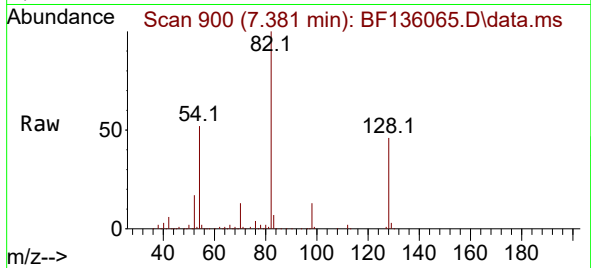




#25
Isophorone
Concen: 32.203 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

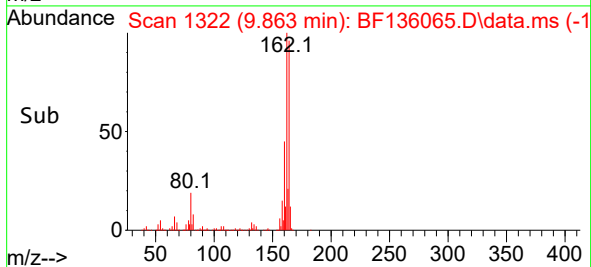
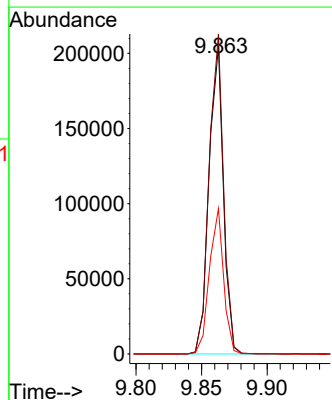
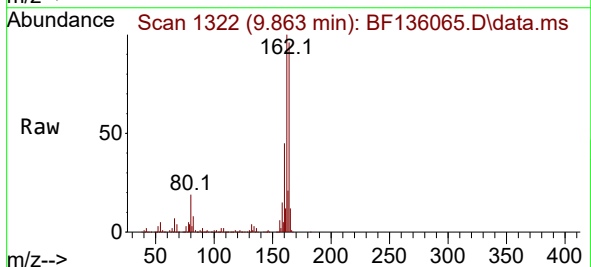
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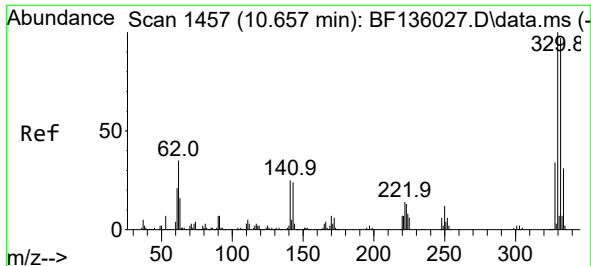
Tgt Ion: 82 Resp: 347386
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

Tgt Ion: 164 Resp: 157032
Ion Ratio Lower Upper
164 100
162 104.0 80.1 120.1
160 47.3 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 91.660 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF136065.D

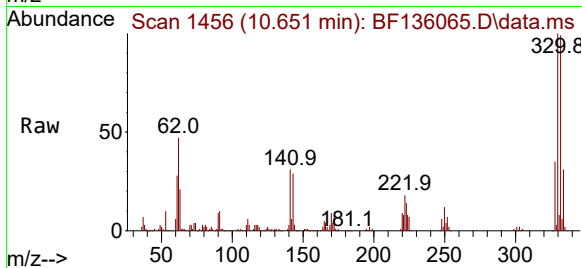
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Instrument :

BNA_F

ClientSampleId :

TR-304-COMP-21RE



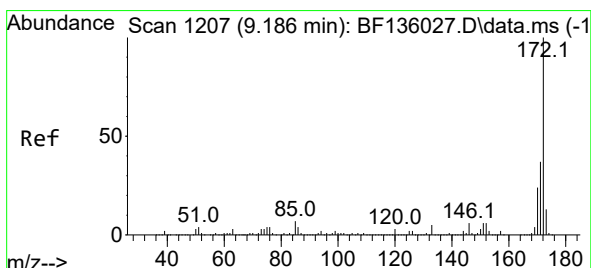
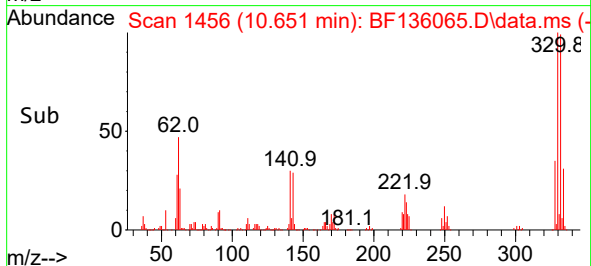
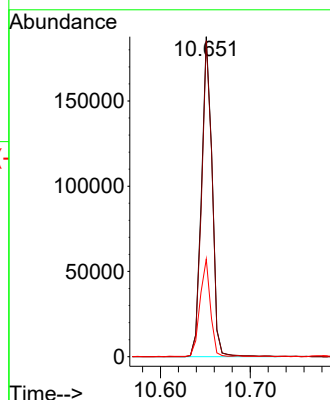
Tgt Ion:330 Resp: 153634

Ion Ratio Lower Upper

330 100

332 97.7 76.9 115.3

141 30.3 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 58.285 ng

RT: 9.181 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF136065.D

Acq: 31 Oct 2023 22:15

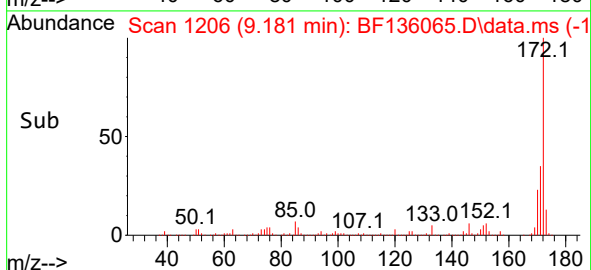
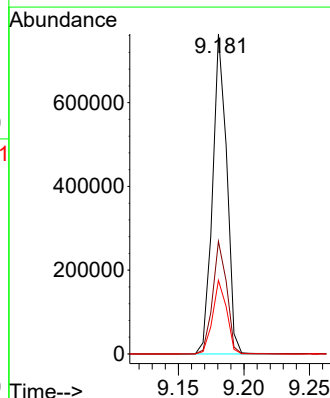
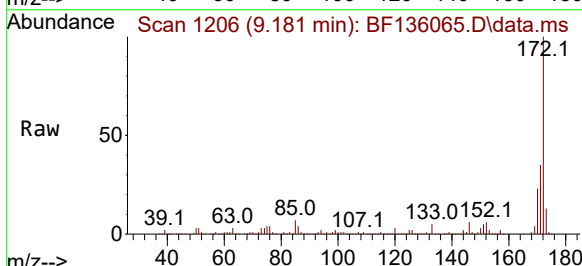
Tgt Ion:172 Resp: 574153

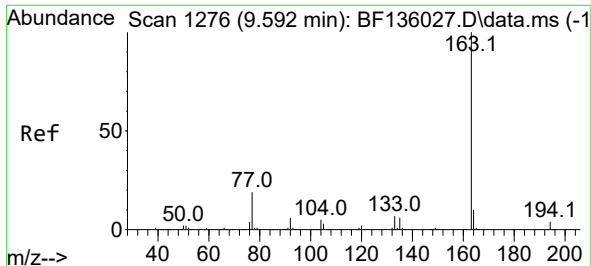
Ion Ratio Lower Upper

172 100

171 35.2 29.4 44.0

170 23.0 19.3 28.9

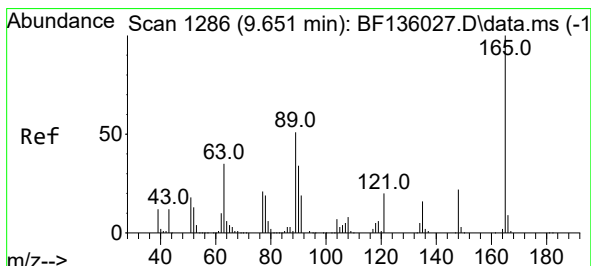
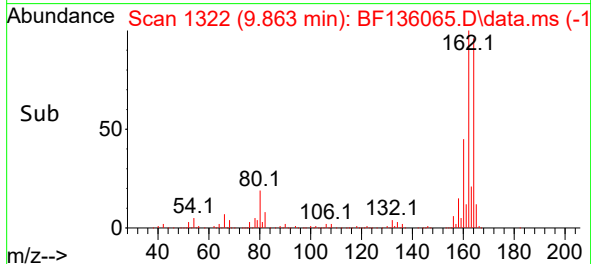
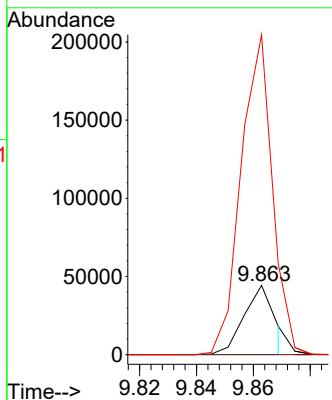
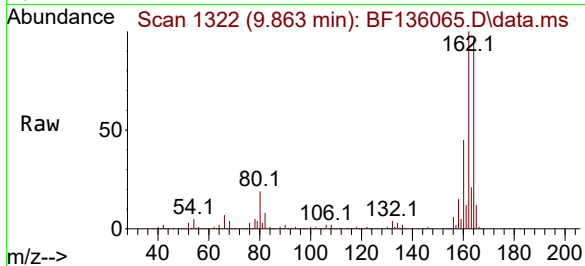




#50
Dimethylphthalate
Concen: 3.191 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.271 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

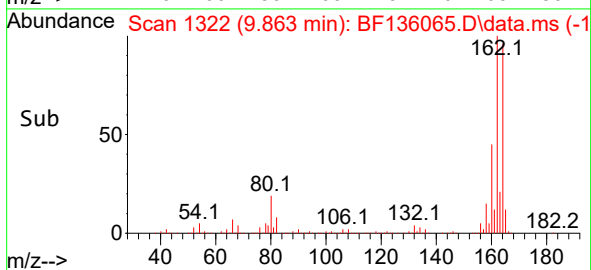
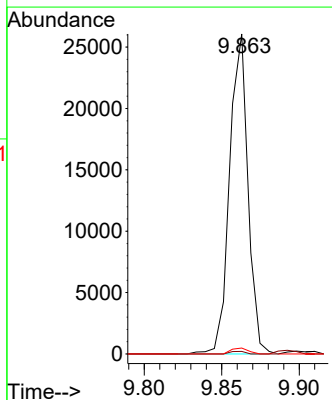
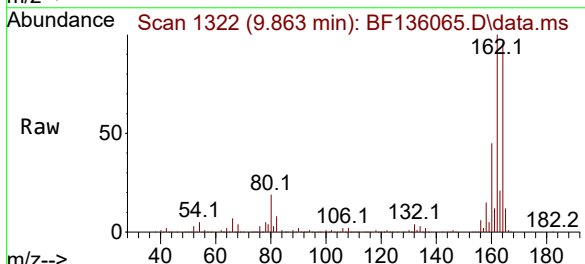
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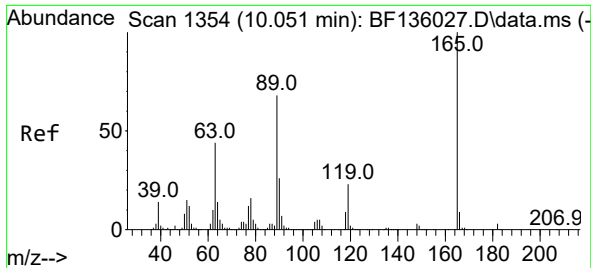
Tgt Ion:163 Resp: 33050
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 462.2 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.690 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.212 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

Tgt Ion:165 Resp: 21468
Ion Ratio Lower Upper
165 100
63 0.8 40.8 61.2#
89 1.8 41.1 61.7#

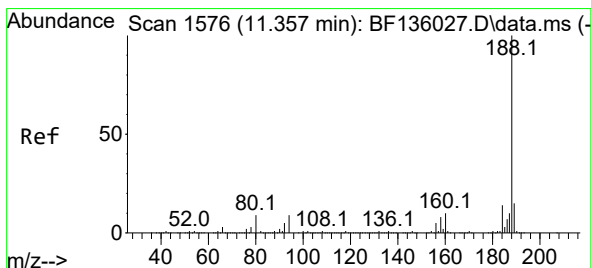
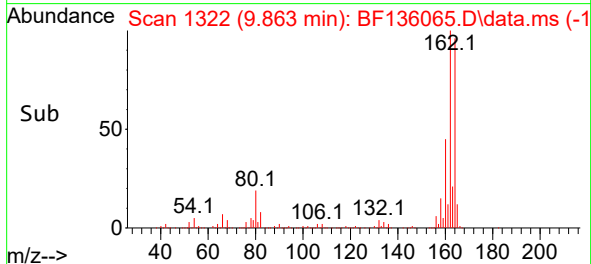
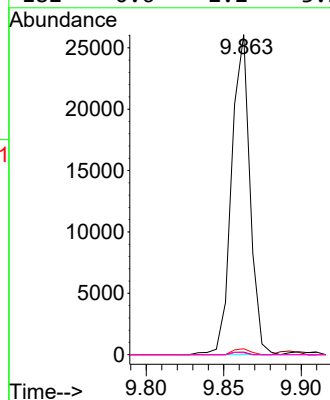
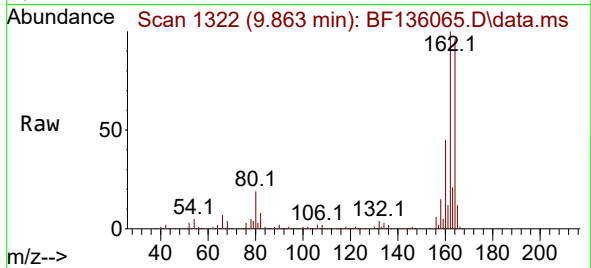




#57
2,4-Dinitrotoluene
Concen: 7.659 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

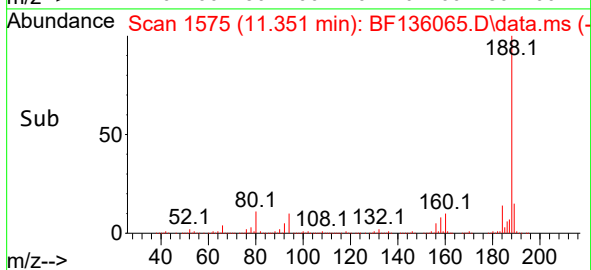
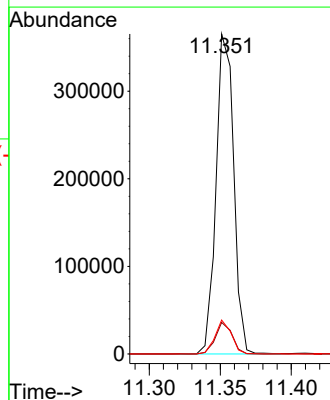
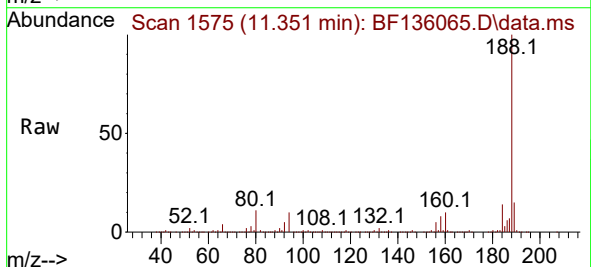
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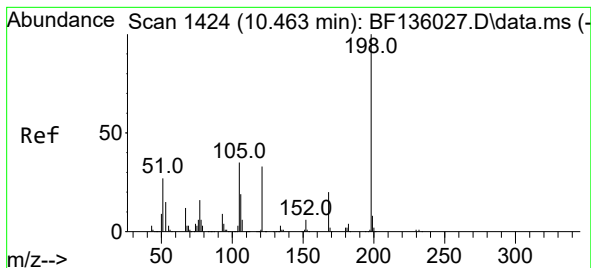
Tgt Ion:165 Resp: 21468
Ion Ratio Lower Upper
165 100
63 0.8 35.2 52.8#
89 1.8 54.8 82.2#
182 0.6 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

Tgt Ion:188 Resp: 314970
Ion Ratio Lower Upper
188 100
94 9.8 7.2 10.8
80 10.6 7.4 11.0

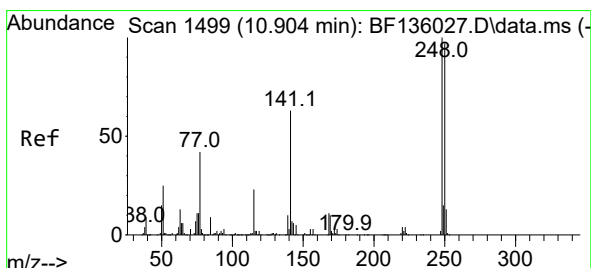
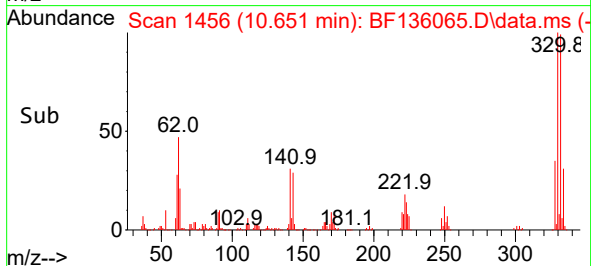
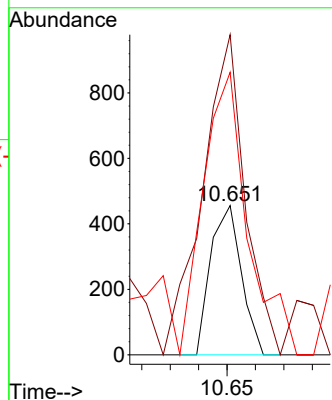
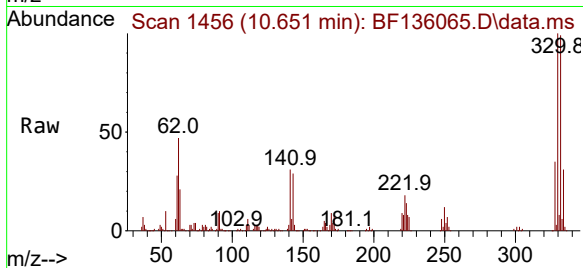




#65
4,6-Dinitro-2-methylphenol
Concen: 5.964 ng
RT: 10.651 min Scan# 1456
Delta R.T. 0.188 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

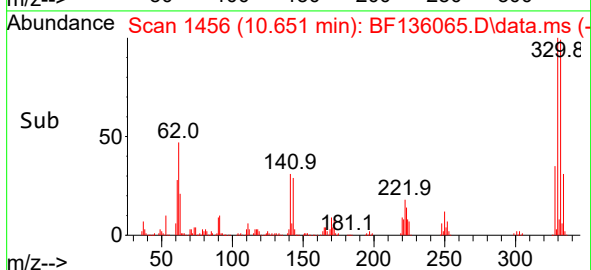
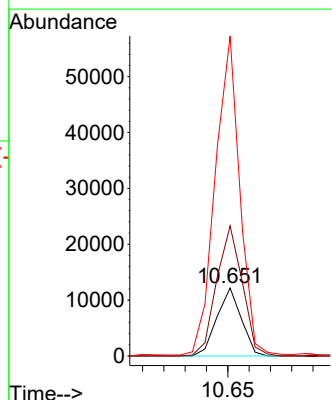
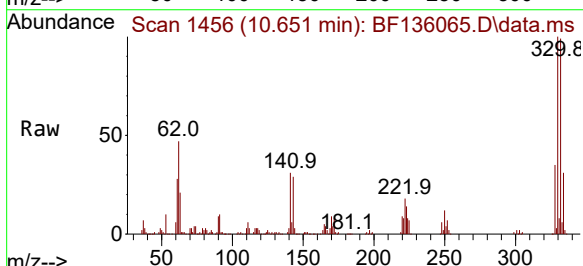
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21RE

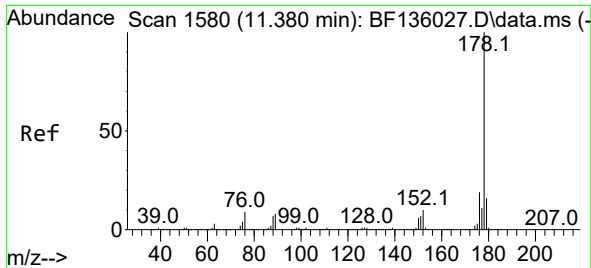
Tgt Ion:198 Resp: 342
Ion Ratio Lower Upper
198 100
51 214.5 12.9 52.9#
105 189.3 16.0 56.0#



#67
4-Bromophenyl-phenylether
Concen: 2.935 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.253 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

Tgt Ion:248 Resp: 9691
Ion Ratio Lower Upper
248 100
250 191.2 77.6 116.4#
141 470.0 50.4 75.6#

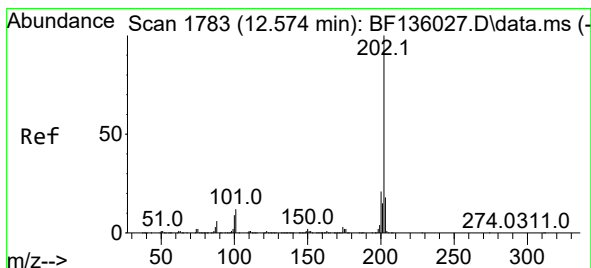
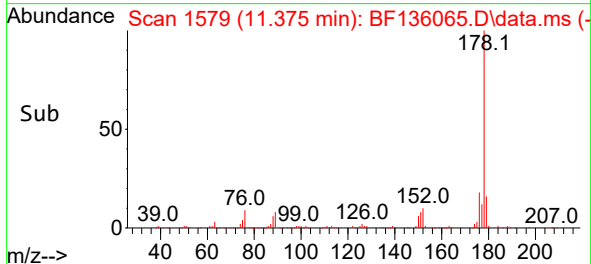
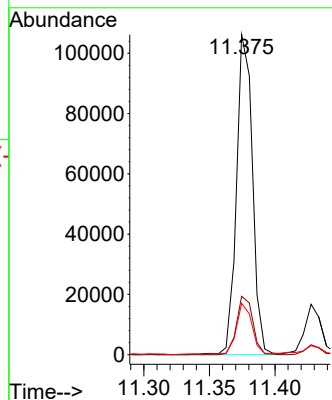
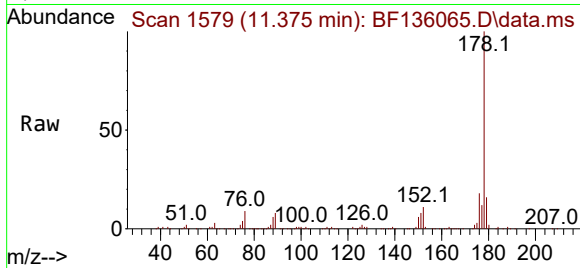




#71
Phenanthrene
Concen: 5.692 ng
RT: 11.375 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

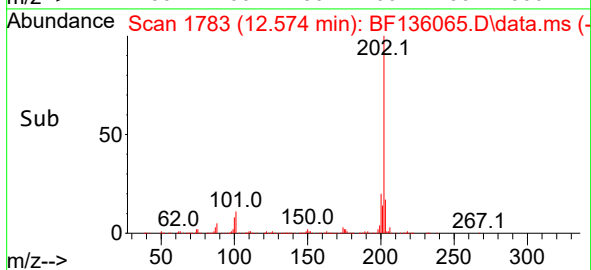
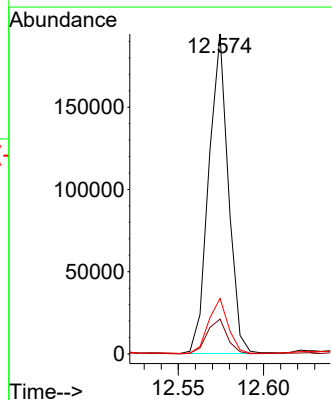
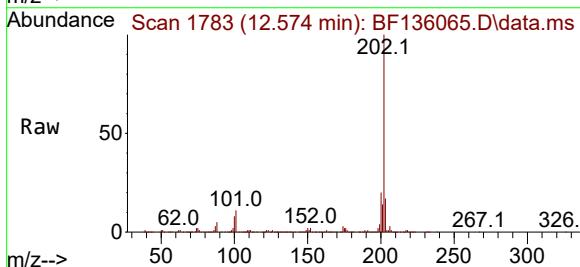
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21RE

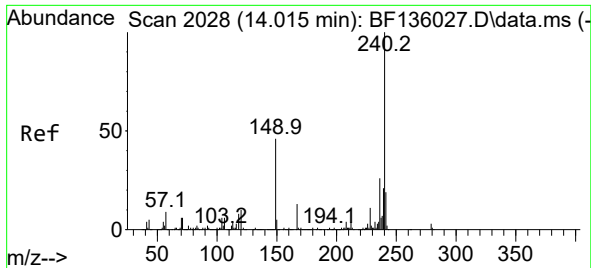
Tgt Ion:178 Resp: 90266
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 16.1 12.9 19.3



#75
Fluoranthene
Concen: 9.515 ng
RT: 12.574 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

Tgt Ion:202 Resp: 155023
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.8
203 17.3 0.0 37.9

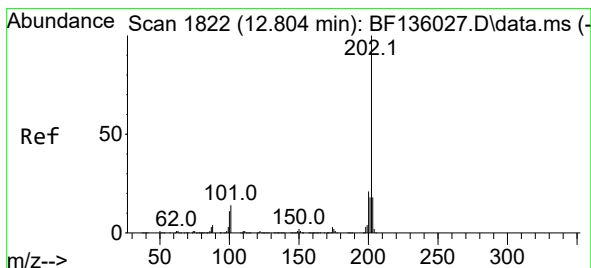
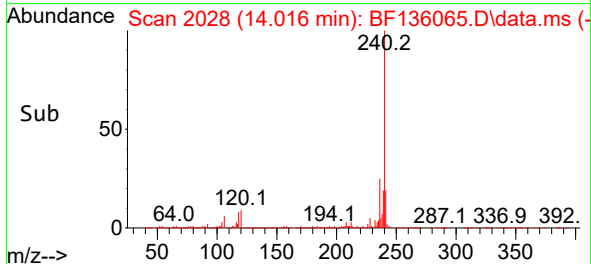
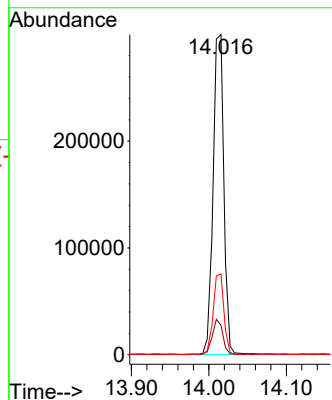
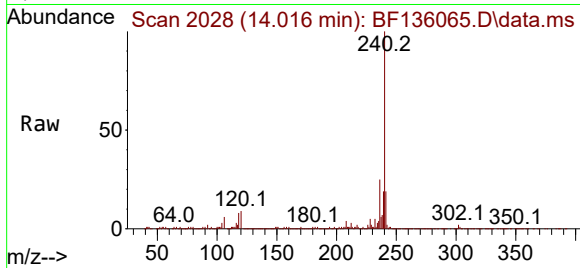




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

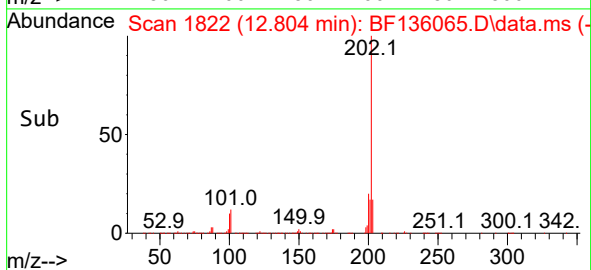
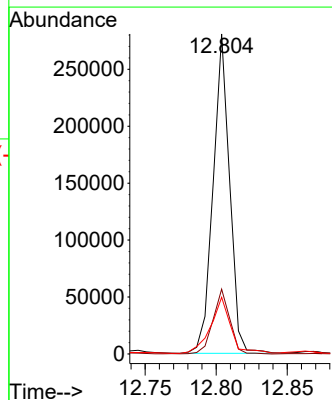
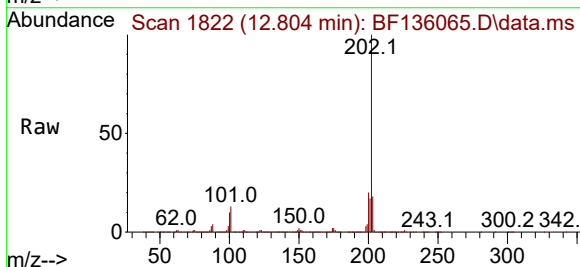
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21RE

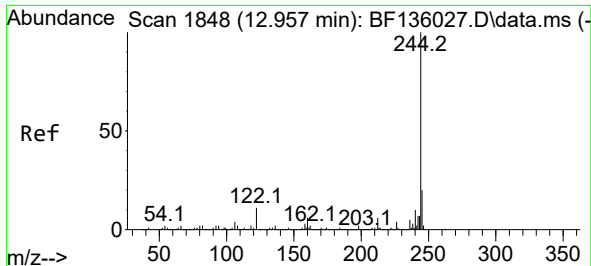
Tgt Ion:240 Resp: 290294
Ion Ratio Lower Upper
240 100
120 9.2 7.6 11.4
236 25.3 20.6 31.0



#78
Pyrene
Concen: 8.870 ng
RT: 12.804 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

Tgt Ion:202 Resp: 227010
Ion Ratio Lower Upper
202 100
200 20.3 17.0 25.4
203 17.7 14.4 21.6

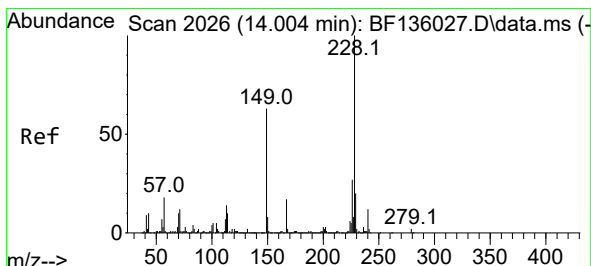
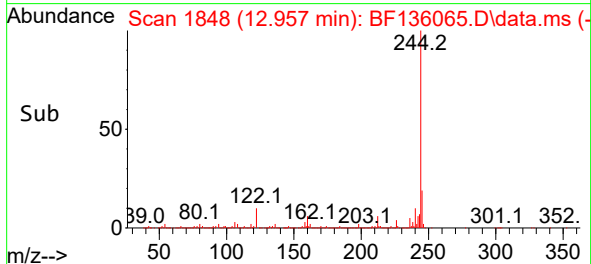
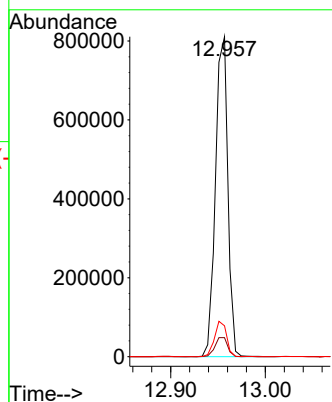
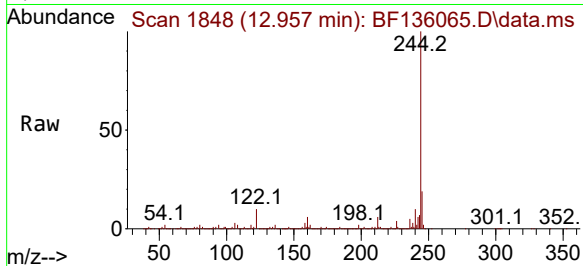




#79
 Terphenyl-d14
 Concen: 39.591 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF136065.D
 Acq: 31 Oct 2023 22:15

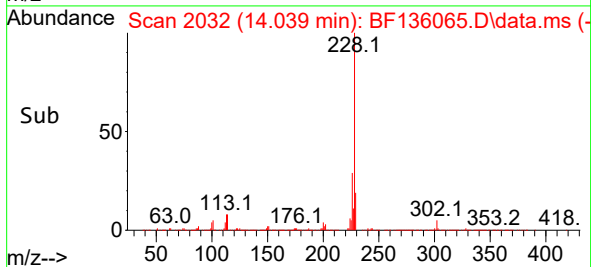
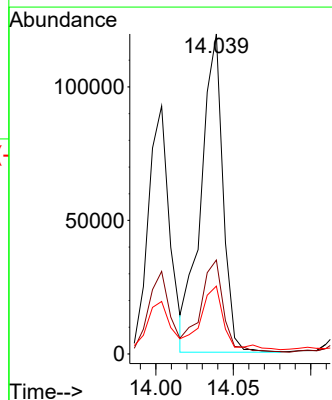
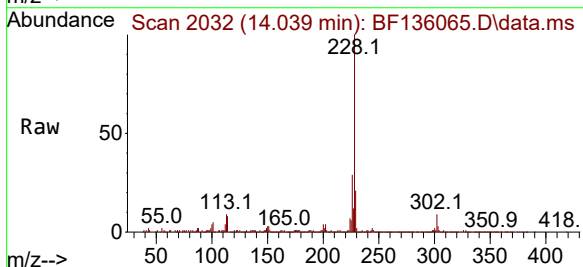
Instrument :
 BNA_F
 ClientSampleId :
 TR-304-COMP-21RE

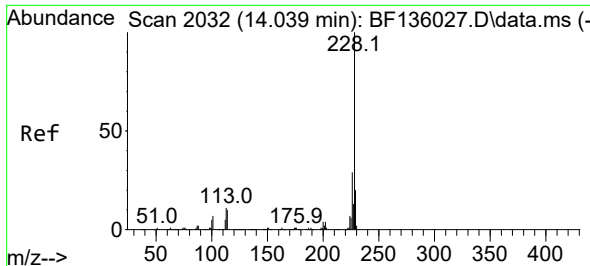
Tgt Ion:244 Resp: 739568
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.1 7.7
 122 9.7 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 6.118 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. 0.035 min
 Lab File: BF136065.D
 Acq: 31 Oct 2023 22:15

Tgt Ion:228 Resp: 117582
 Ion Ratio Lower Upper
 228 100
 226 29.3 21.5 32.3
 229 21.2 15.8 23.6

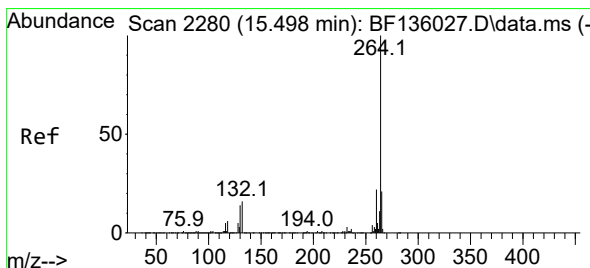
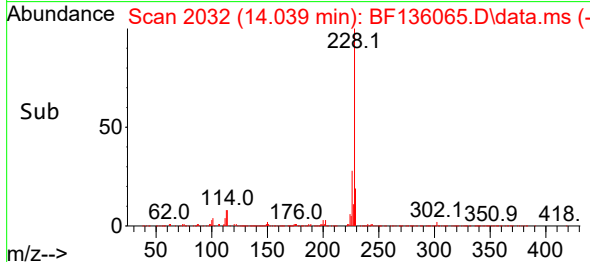
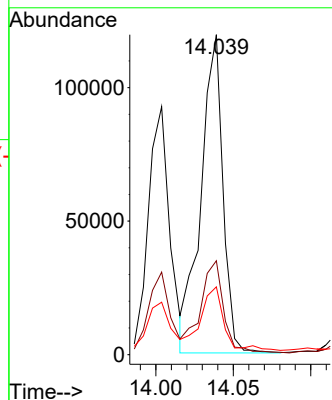
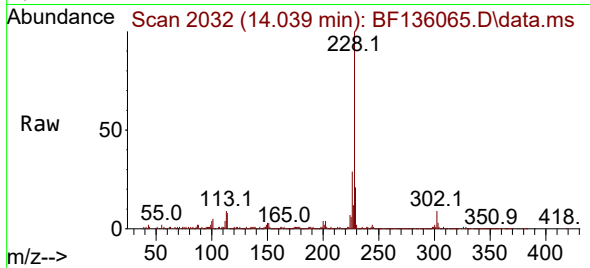




#83
Chrysene
Concen: 6.213 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

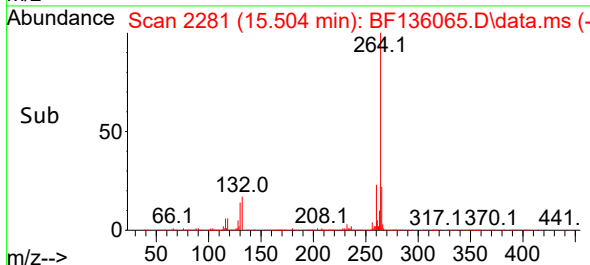
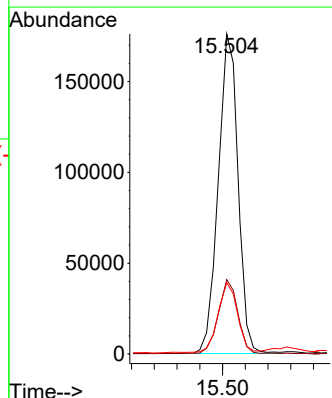
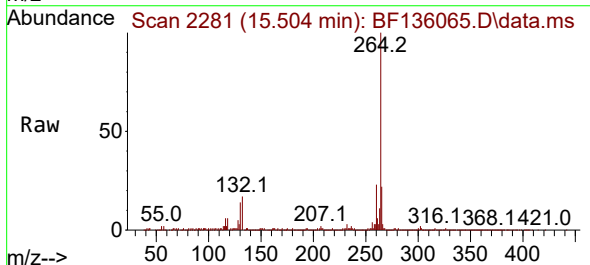
Instrument :
BNA_F
ClientSampleId :
TR-304-COMP-21RE

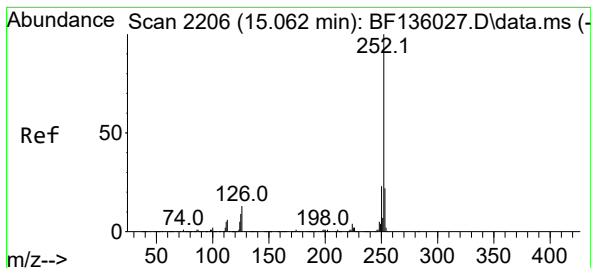
Tgt Ion:228 Resp: 117582
Ion Ratio Lower Upper
228 100
226 29.3 23.5 35.3
229 21.2 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.006 min
Lab File: BF136065.D
Acq: 31 Oct 2023 22:15

Tgt Ion:264 Resp: 213085
Ion Ratio Lower Upper
264 100
260 23.3 17.9 26.9
265 22.3 16.8 25.2





#88

Benzo(b)fluoranthene

Concen: 8.073 ng

RT: 15.068 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF136065.D

Acq: 31 Oct 2023 22:15

Instrument :

BNA_F

ClientSampleId :

TR-304-COMP-21RE

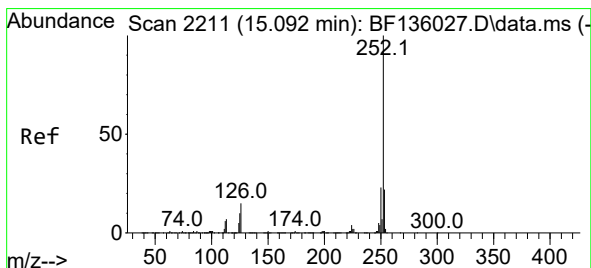
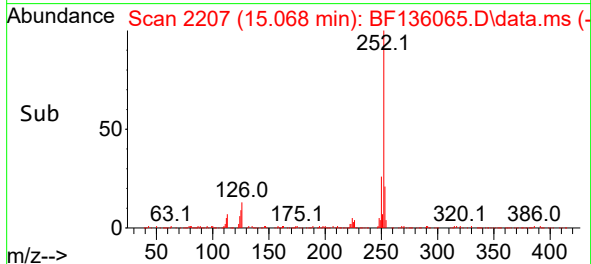
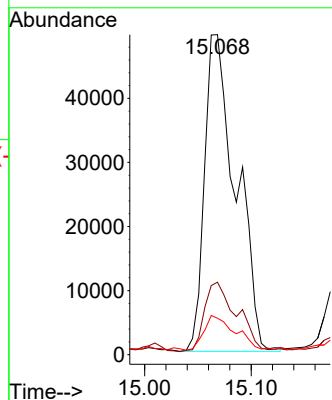
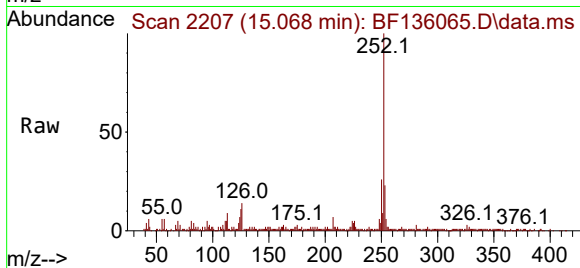
Tgt Ion:252 Resp: 101786

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 11.4 7.5 11.3#



#89

Benzo(k)fluoranthene

Concen: 8.159 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.023 min

Lab File: BF136065.D

Acq: 31 Oct 2023 22:15

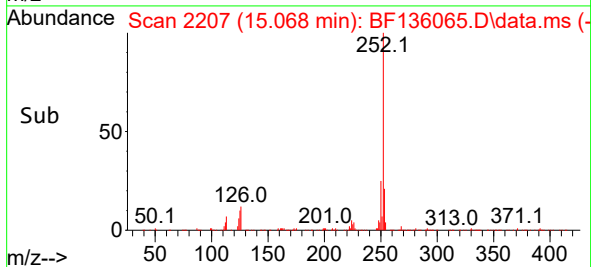
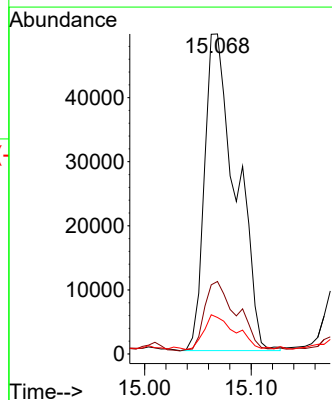
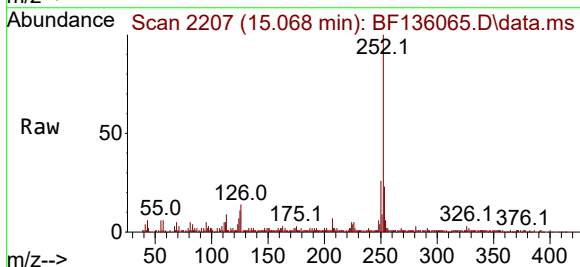
Tgt Ion:252 Resp: 101786

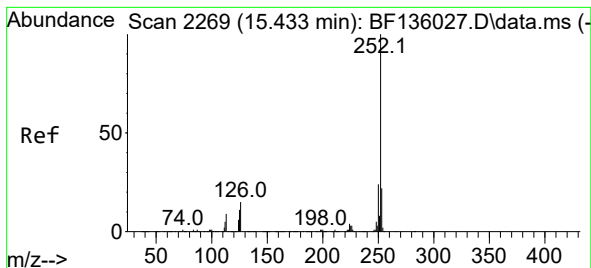
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 11.4 8.0 12.0





#90

Benzo(a)pyrene

Concen: 4.729 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136065.D

Acq: 31 Oct 2023 22:15

Instrument :

BNA_F

ClientSampleId :

TR-304-COMP-21RE

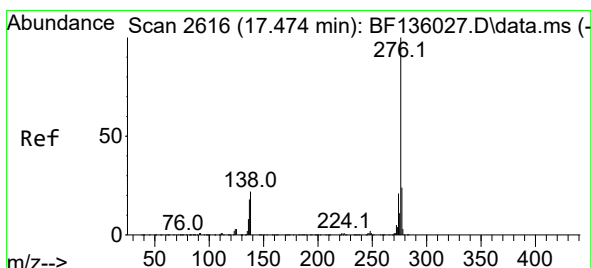
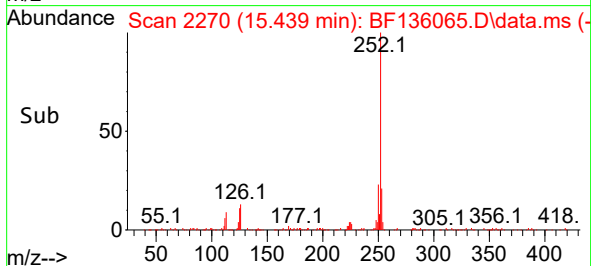
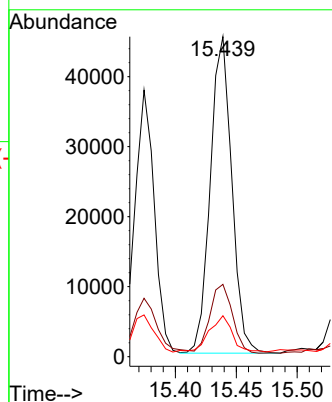
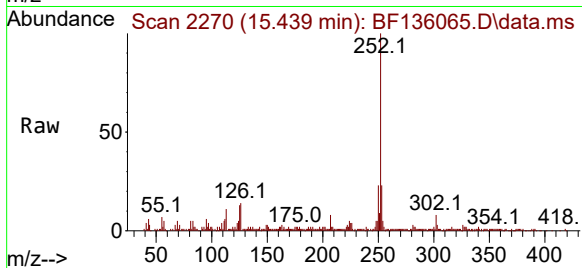
Tgt Ion:252 Resp: 55405

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

125 12.8 9.0 13.6



#92

Benzo(g,h,i)perylene

Concen: 4.893 ng

RT: 17.468 min Scan# 2615

Delta R.T. -0.006 min

Lab File: BF136065.D

Acq: 31 Oct 2023 22:15

Tgt Ion:276 Resp: 27618

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 27.9 17.4 26.2#

