

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136364.D
 Acq On : 02 Dec 2023 06:48
 Operator : CG\JU
 Sample : 05521-04
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 03 07:22:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

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

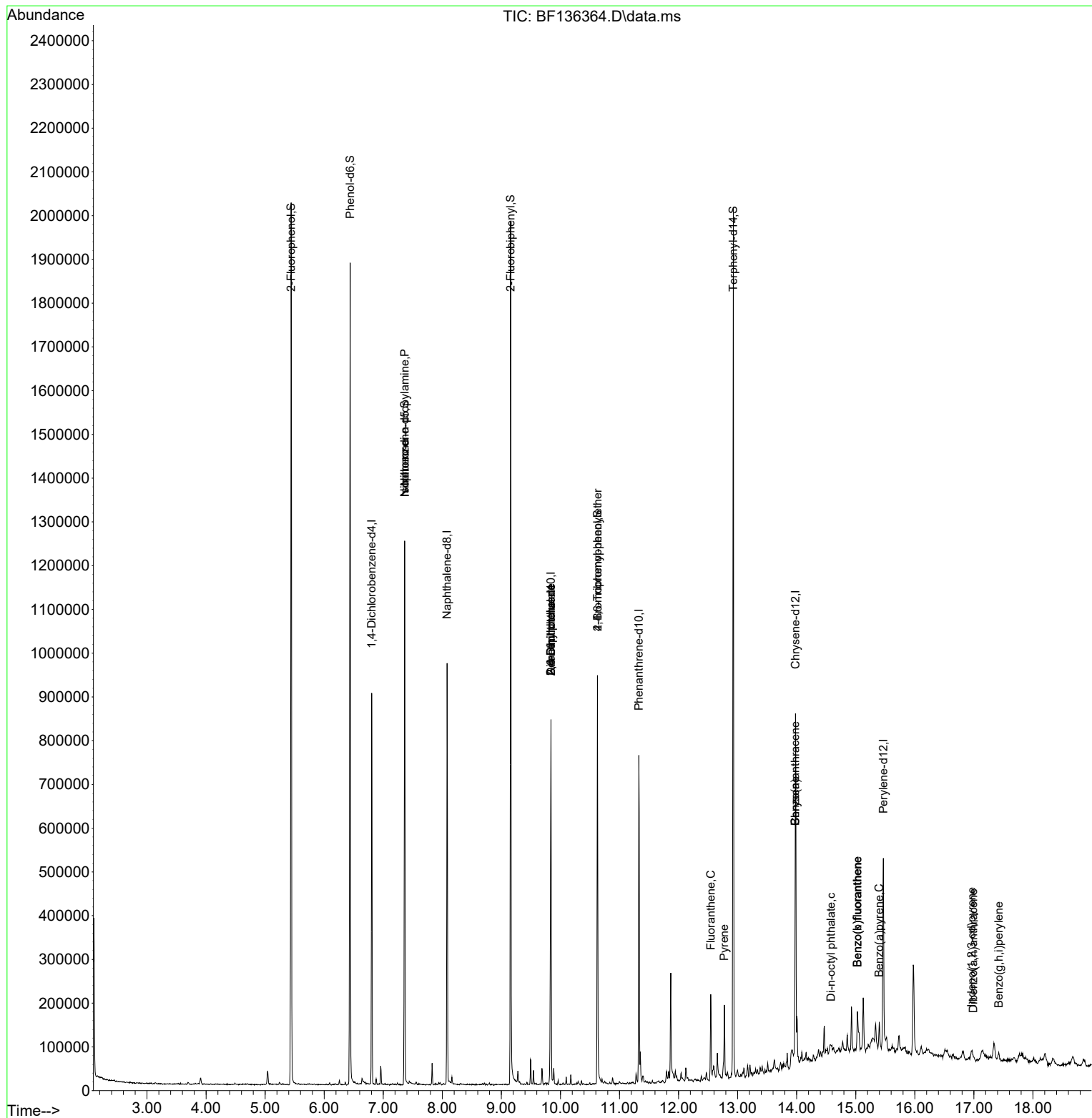
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	121365	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	404803	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	154640	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	275324	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	262284	20.000	ng	#-0.01
86) Perylene-d12	15.468	264	208044	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	555396	63.694	ng	0.00
7) Phenol-d6	6.440	99	622326	57.079	ng	0.00
23) Nitrobenzene-d5	7.363	82	373329	48.735	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	110000	58.182	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	598076	49.400	ng	-0.01
79) Terphenyl-d14	12.927	244	648476	28.519	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	49543	7.598	ng	# 72
25) Isophorone	7.363	82	373322	27.027	ng	# 68
50) Dimethylphthalate	9.839	163	30520	2.611	ng	# 1
51) 2,6-Dinitrotoluene	9.839	165	19063	7.984	ng	# 25
57) 2,4-Dinitrotoluene	9.839	165	19063	5.977	ng	# 28
67) 4-Bromophenyl-phenylether	10.628	248	7199	2.241	ng	# 1
75) Fluoranthene	12.545	202	70017	4.457	ng	90
78) Pyrene	12.774	202	65409	2.277	ng	# 93
81) Benzo(a)anthracene	13.974	228	39570	2.031	ng	97
83) Chrysene	13.974	228	39570	2.104	ng	93
85) Di-n-octyl phthalate	14.580	149	373	5.182	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.962	276	16766	3.697	ng	99
88) Benzo(b)fluoranthene	15.027	252	64563	4.423	ng	# 90
89) Benzo(k)fluoranthene	15.027	252	64563	4.657	ng	# 89
90) Benzo(a)pyrene	15.398	252	29348	2.460	ng	# 94
91) Dibenzo(a,h)anthracene	16.992	278	5452	3.126	ng	# 77
92) Benzo(g,h,i)perylene	17.421	276	16371	3.156	ng	96

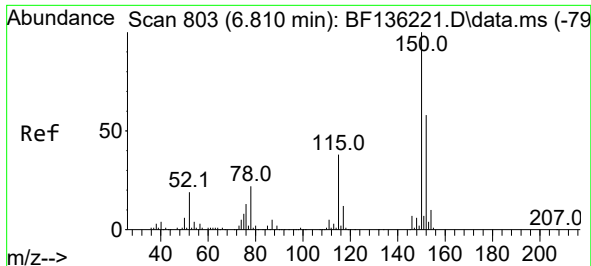
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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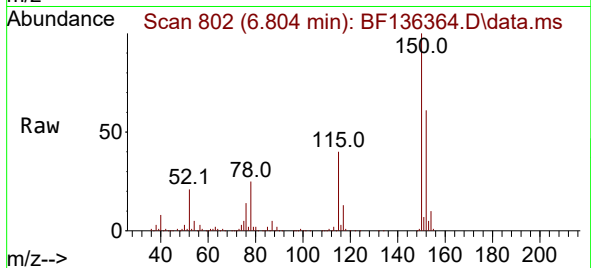
Quant Time: Dec 03 07:22:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 28 03:04:20 2023
Response via : Initial Calibration



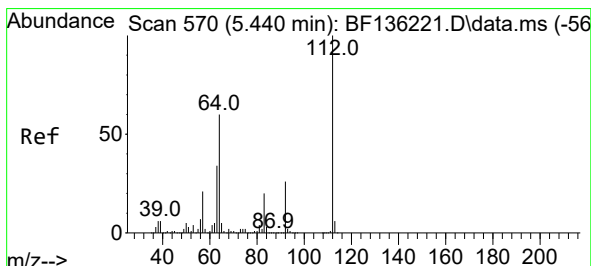
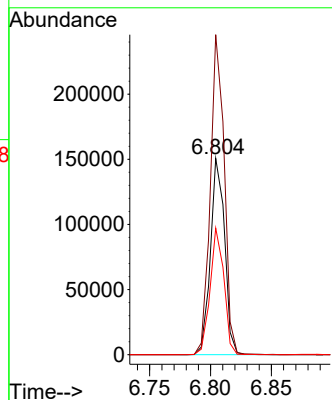
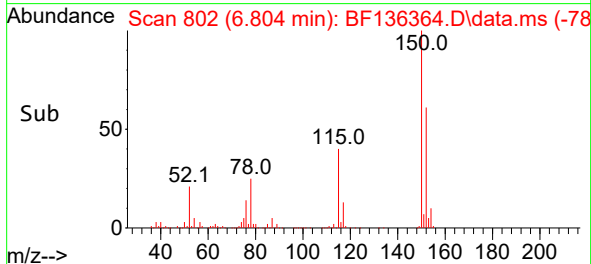


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

Instrument :
BNA_F
ClientSampleId :

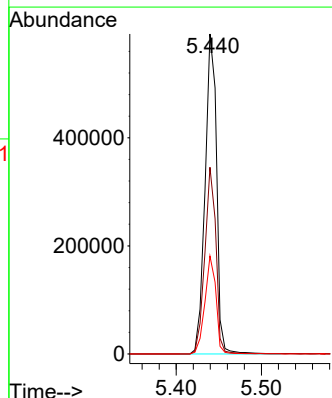
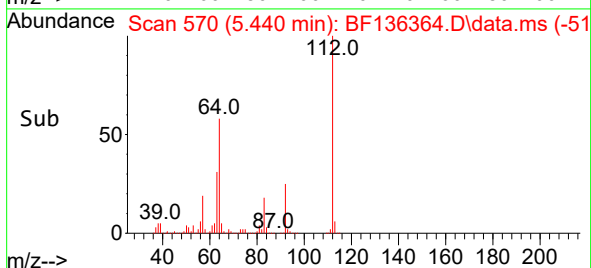
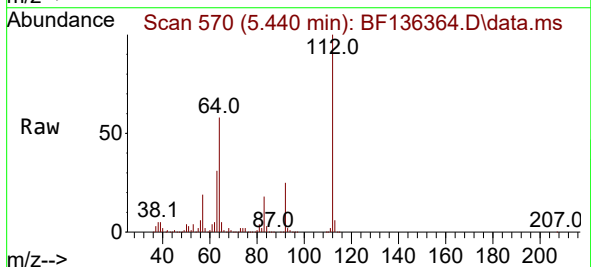


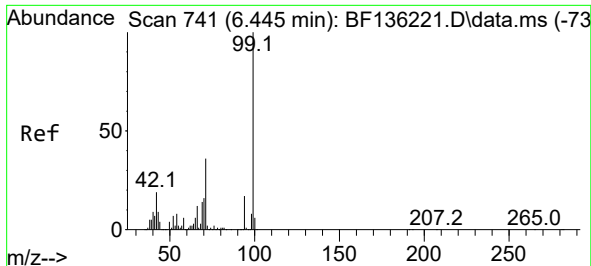
Tgt Ion:152 Resp: 121365
Ion Ratio Lower Upper
152 100
150 163.0 137.8 206.8
115 64.5 52.7 79.1



#5
2-Fluorophenol
Concen: 63.694 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

Tgt Ion:112 Resp: 555396
Ion Ratio Lower Upper
112 100
64 58.4 48.2 72.4
63 30.6 27.0 40.6

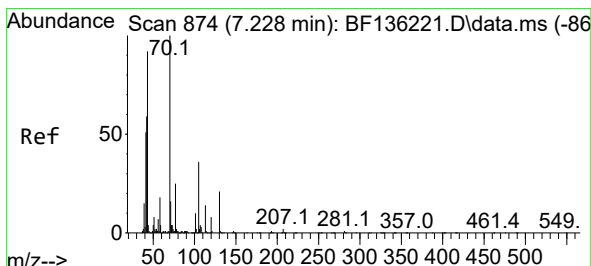
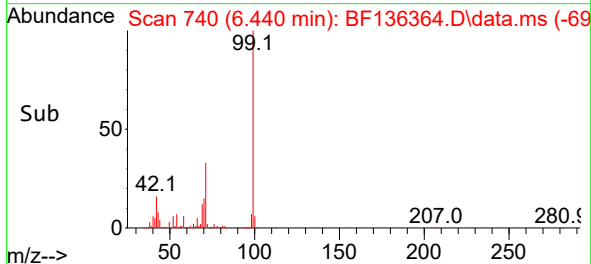
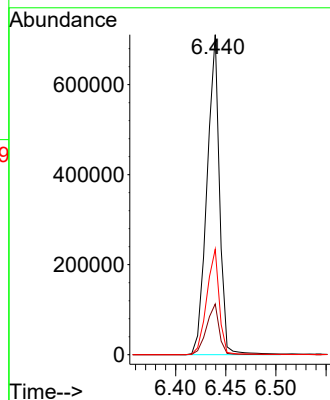
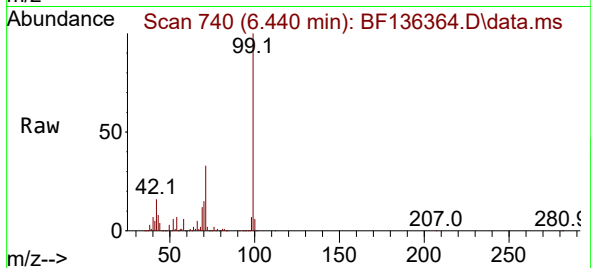




#7
Phenol-d6
Concen: 57.079 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

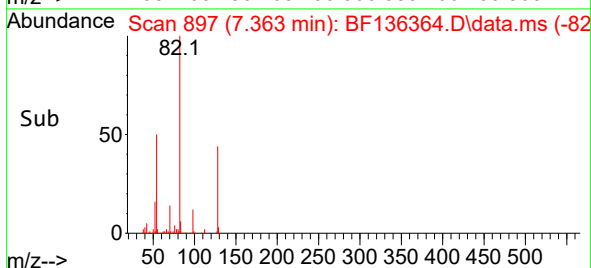
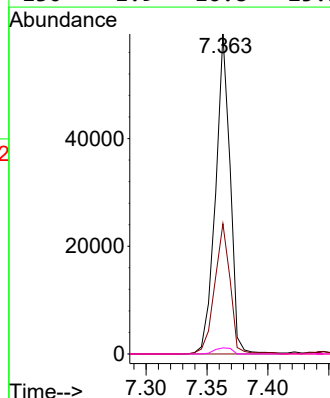
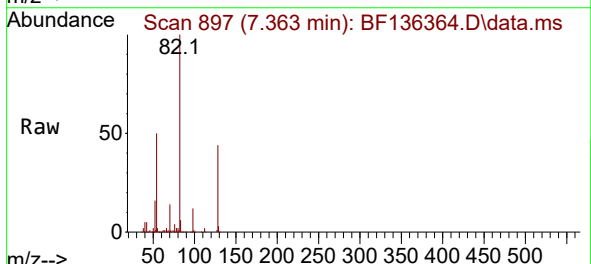
Instrument :
BNA_F
ClientSampleId :

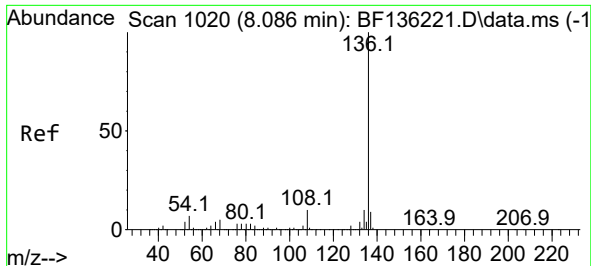
Tgt Ion: 99 Resp: 622326
Ion Ratio Lower Upper
99 100
42 15.8 15.0 22.6
71 32.9 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 7.598 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

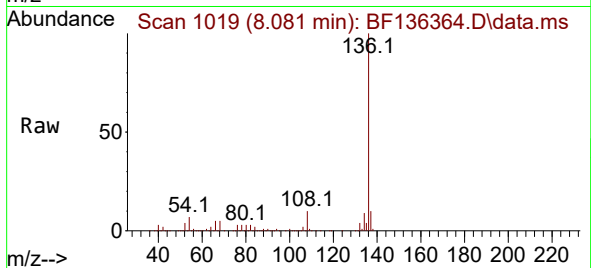
Tgt Ion: 70 Resp: 49543
Ion Ratio Lower Upper
70 100
42 40.7 47.0 70.4#
101 0.0 7.8 11.8#
130 1.9 16.8 25.2#



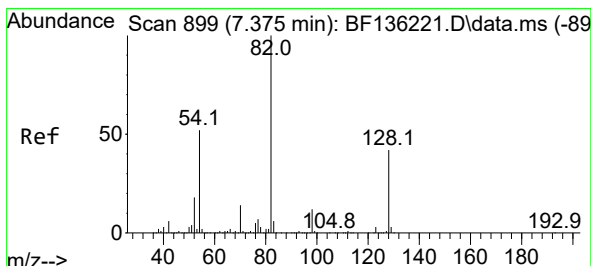
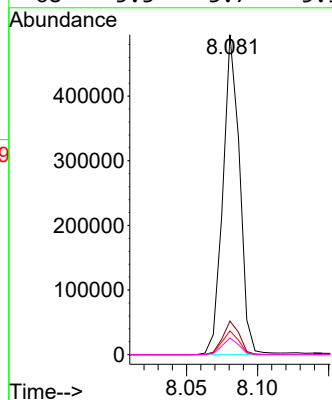
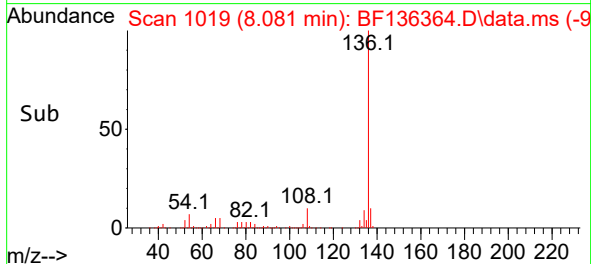


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

Instrument :
BNA_F
ClientSampleId :

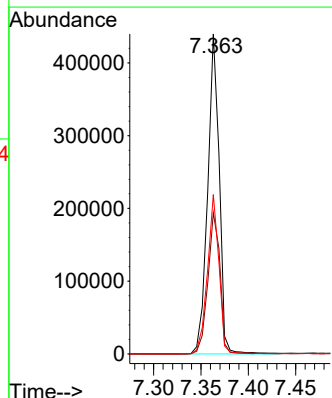
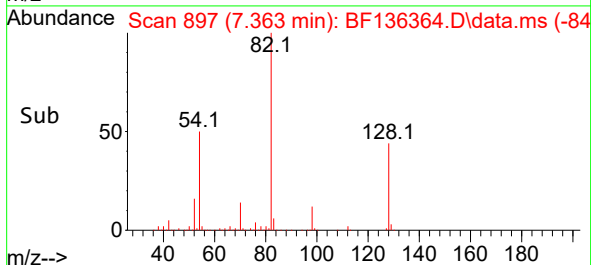
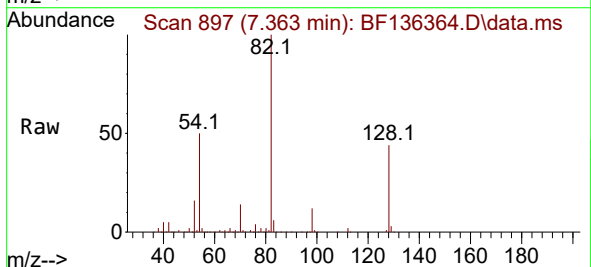


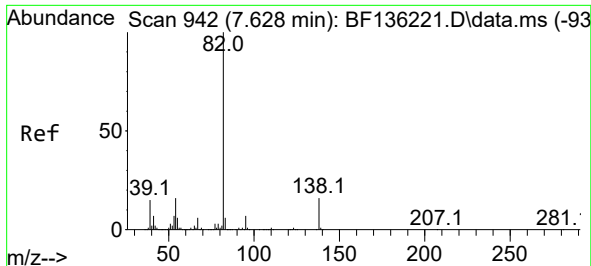
Tgt Ion:136 Resp: 404803
Ion Ratio Lower Upper
136 100
137 10.5 7.4 11.2
54 7.4 5.5 8.3
68 5.3 3.7 5.5



#23
Nitrobenzene-d5
Concen: 48.735 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

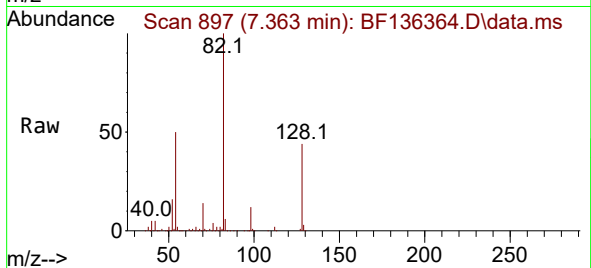
Tgt Ion: 82 Resp: 373329
Ion Ratio Lower Upper
82 100
128 44.1 33.4 50.2
54 49.8 41.7 62.5



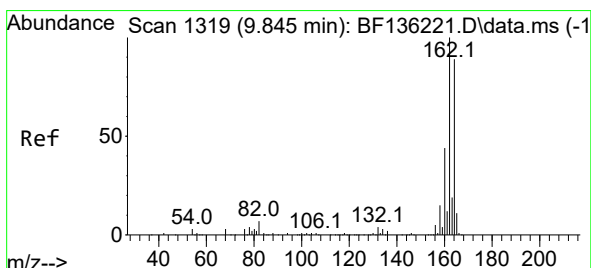
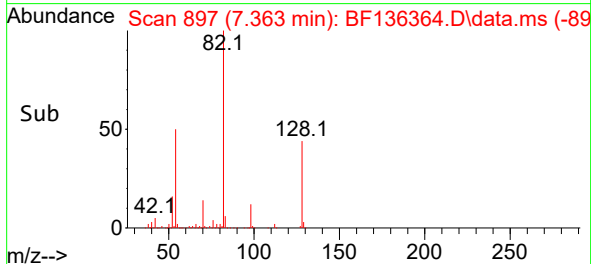
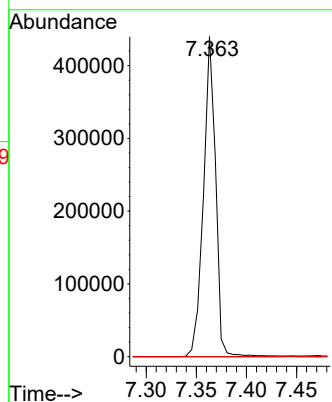


#25
Isophorone
Concen: 27.027 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.265 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

Instrument :
BNA_F
ClientSampleId :

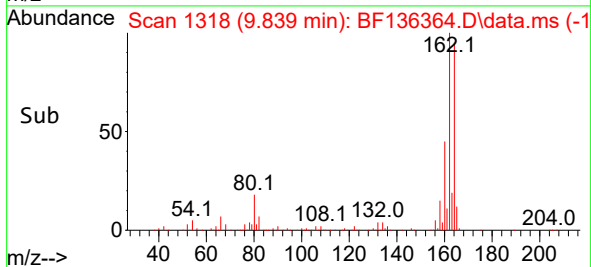
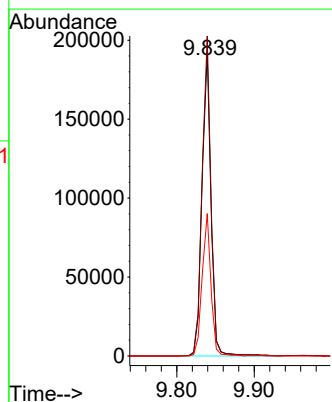
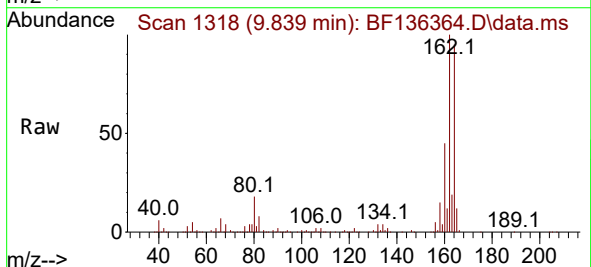


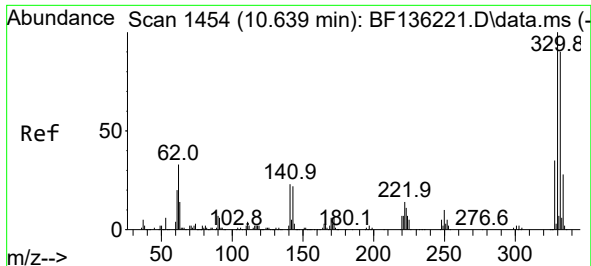
Tgt Ion: 82 Resp: 373322
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

Tgt Ion: 164 Resp: 154640
Ion Ratio Lower Upper
164 100
162 105.4 89.5 134.3
160 46.9 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 58.182 ng

RT: 10.628 min Scan# 1452

Delta R.T. -0.012 min

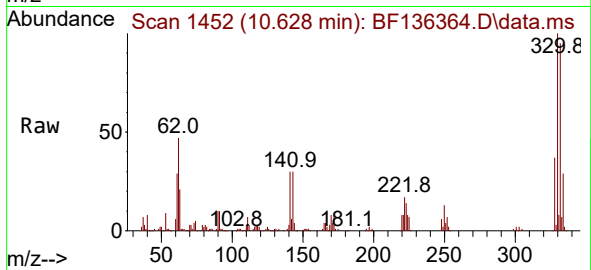
Lab File: BF136364.D

Acq: 02 Dec 2023 06:48

Instrument :

BNA_F

ClientSampleId :



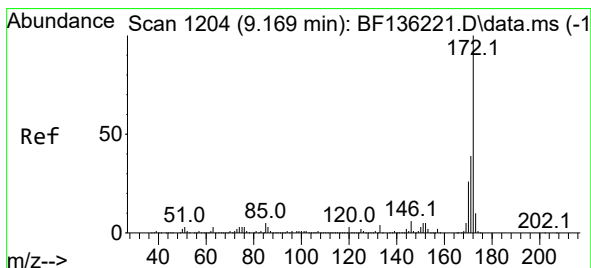
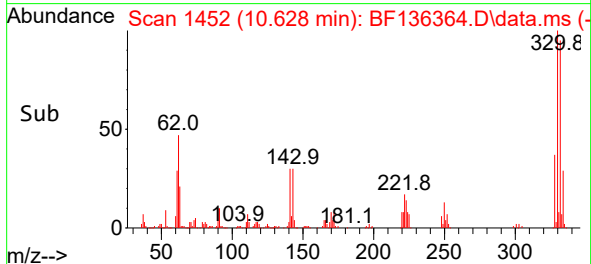
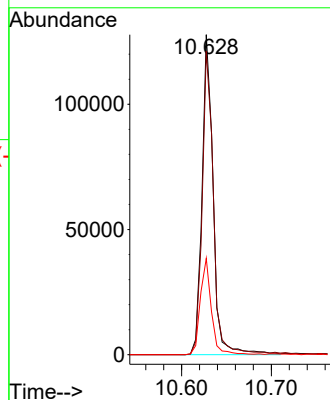
Tgt Ion:330 Resp: 110000

Ion Ratio Lower Upper

330 100

332 95.4 73.0 109.6

141 29.9 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 49.400 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.012 min

Lab File: BF136364.D

Acq: 02 Dec 2023 06:48

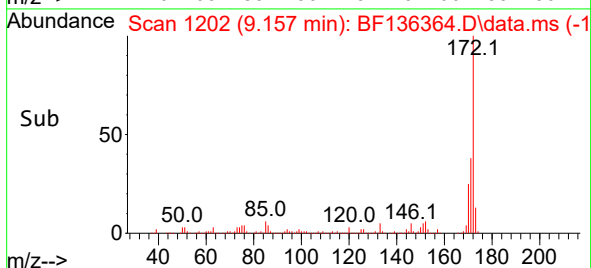
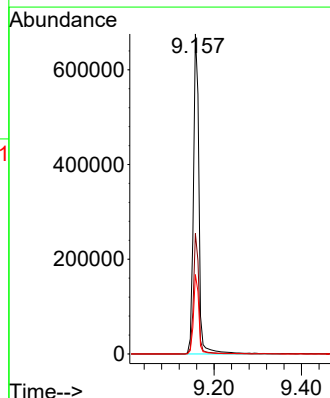
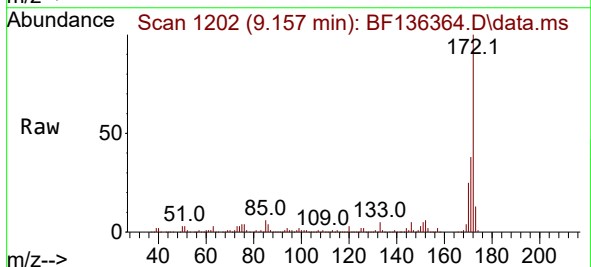
Tgt Ion:172 Resp: 598076

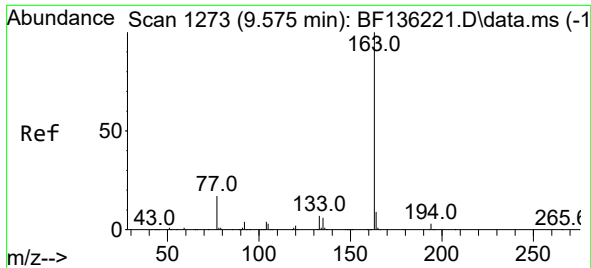
Ion Ratio Lower Upper

172 100

171 37.6 31.5 47.3

170 24.8 20.8 31.2

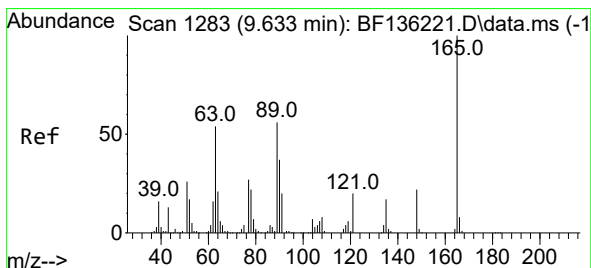
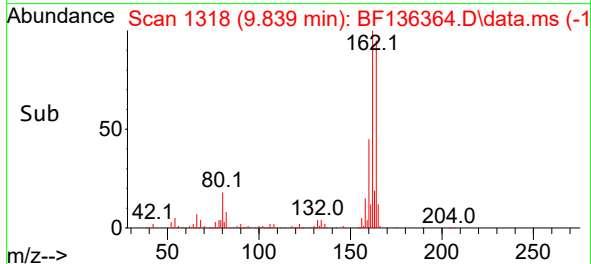
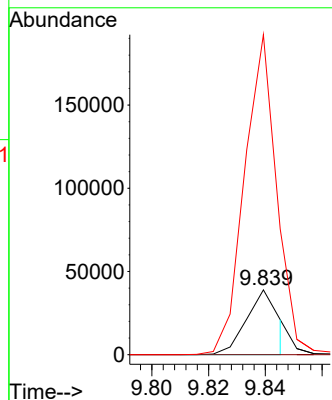
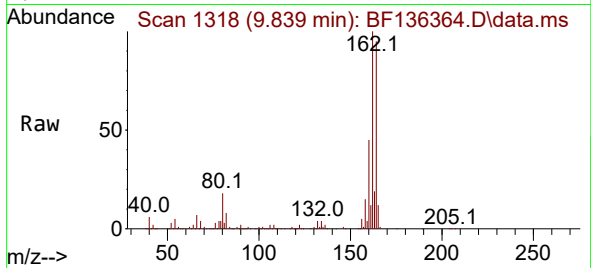




#50
Dimethylphthalate
Concen: 2.611 ng
RT: 9.839 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

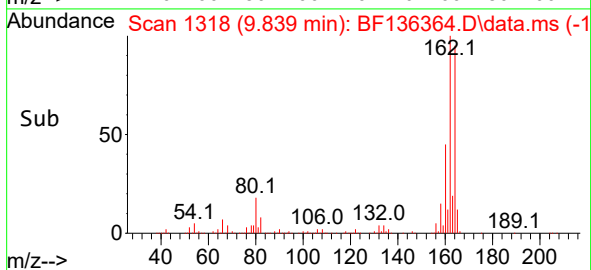
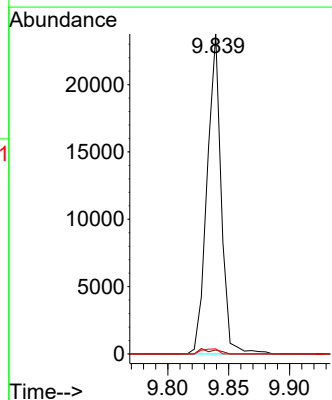
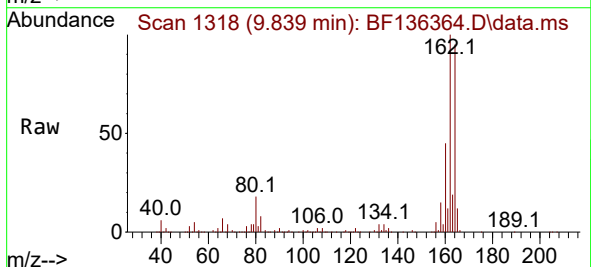
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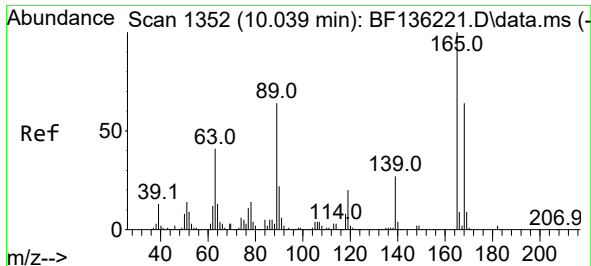
Tgt Ion:163 Resp: 30520
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 493.3 7.0 10.6#



#51
2,6-Dinitrotoluene
Concen: 7.984 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.206 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

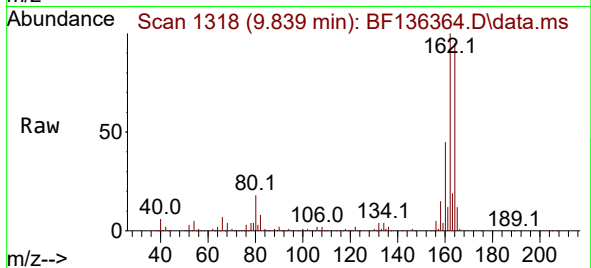
Tgt Ion:165 Resp: 19063
Ion Ratio Lower Upper
165 100
63 1.3 46.2 69.2#
89 1.6 44.9 67.3#



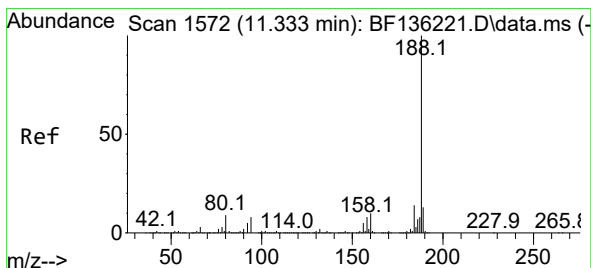
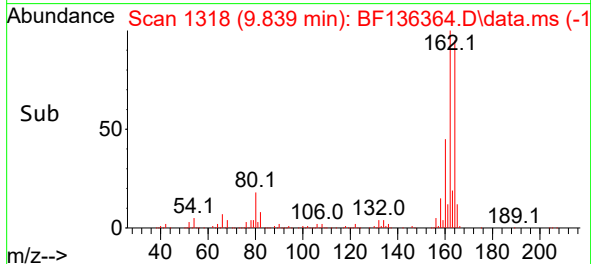
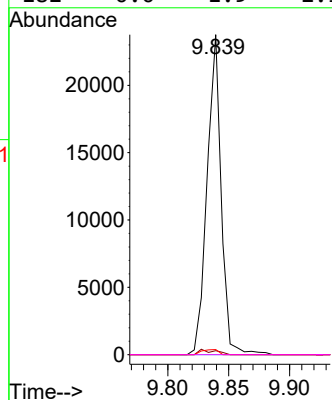


#57
2,4-Dinitrotoluene
Concen: 5.977 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

Instrument :
BNA_F
ClientSampleId :

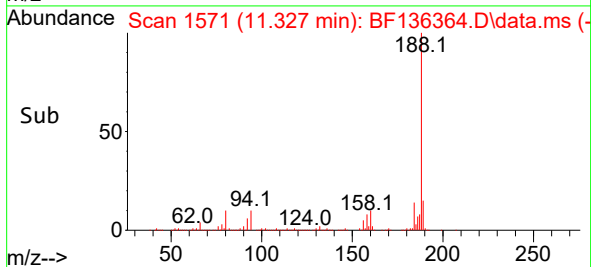
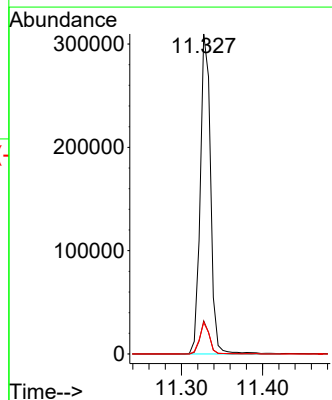
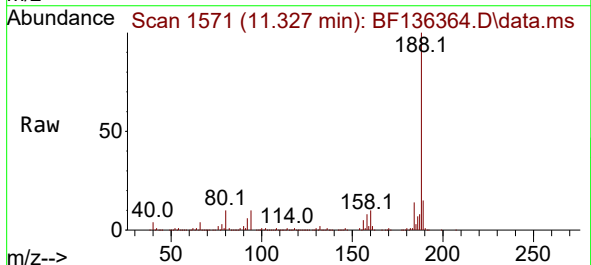


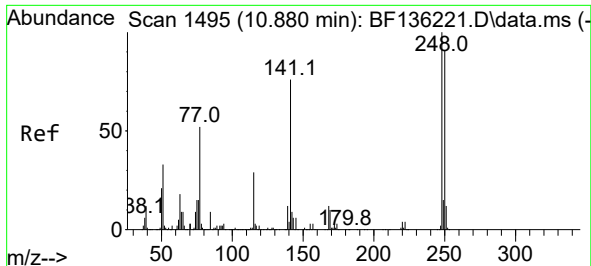
Tgt Ion:165 Resp: 19063
Ion Ratio Lower Upper
165 100
63 1.3 33.0 49.4#
89 1.6 51.5 77.3#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

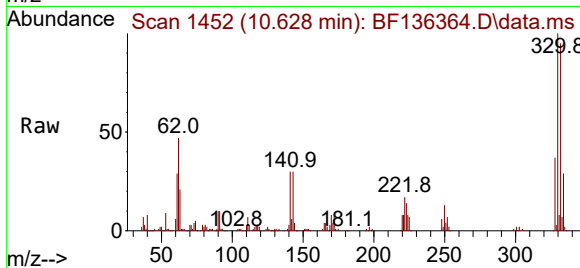
Tgt Ion:188 Resp: 275324
Ion Ratio Lower Upper
188 100
94 10.3 6.7 10.1#
80 9.8 7.2 10.8



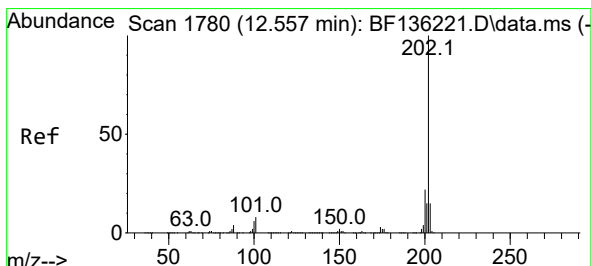
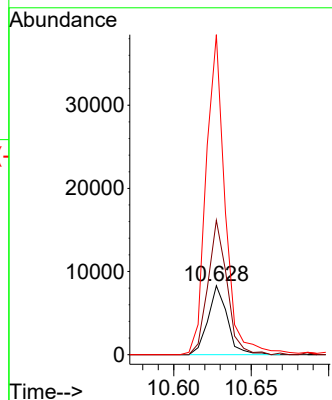
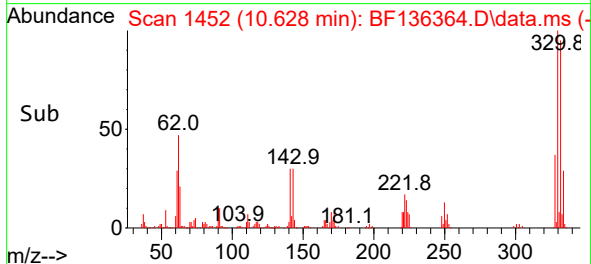


#67
4-Bromophenyl-phenylether
Concen: 2.241 ng
RT: 10.628 min Scan# 1495
Delta R.T. -0.253 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

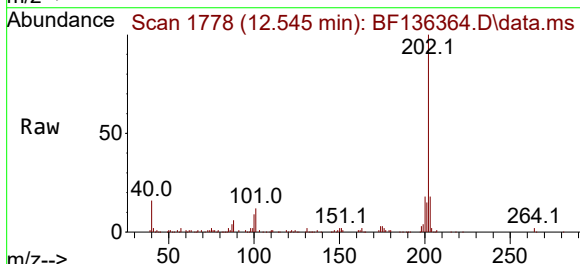
Instrument :
BNA_F
ClientSampleId :



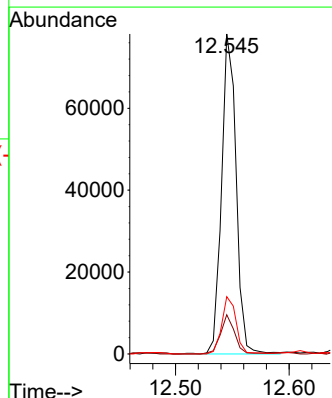
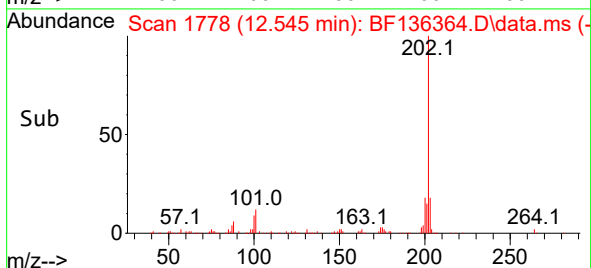
Tgt Ion:248 Resp: 7199
Ion Ratio Lower Upper
248 100
250 195.0 72.5 108.7#
141 464.3 60.8 91.2#

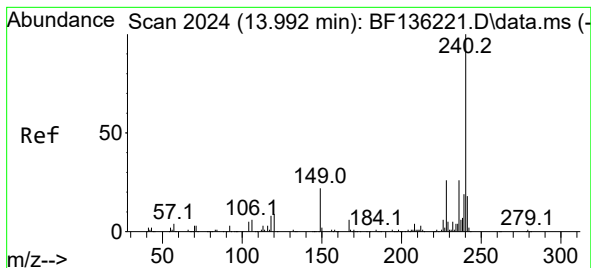


#75
Fluoranthene
Concen: 4.457 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.012 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48



Tgt Ion:202 Resp: 70017
Ion Ratio Lower Upper
202 100
101 12.2 0.0 27.8
203 17.9 0.0 34.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136364.D

Acq: 02 Dec 2023 06:48

Instrument :

BNA_F

ClientSampleId :

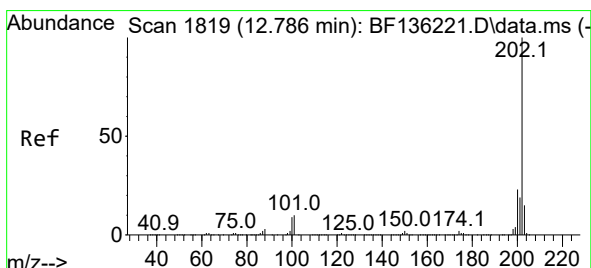
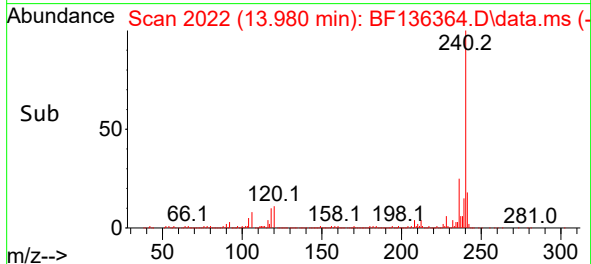
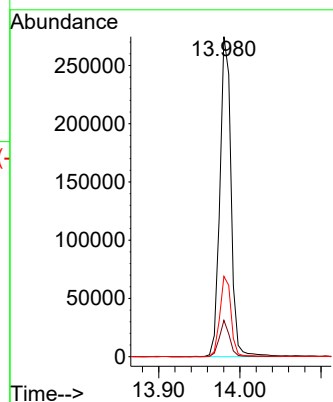
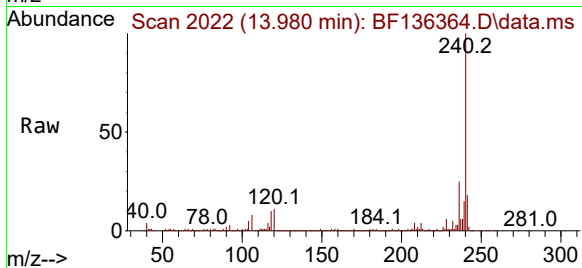
Tgt Ion:240 Resp: 262284

Ion Ratio Lower Upper

240 100

120 11.4 7.4 11.2#

236 25.1 21.1 31.7



#78

Pyrene

Concen: 2.277 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.012 min

Lab File: BF136364.D

Acq: 02 Dec 2023 06:48

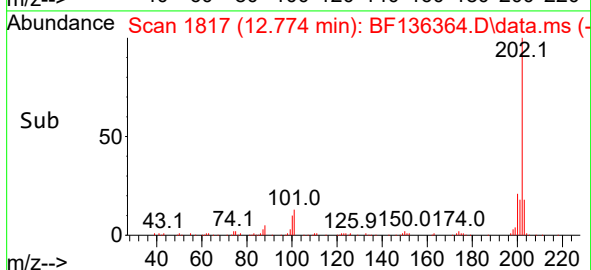
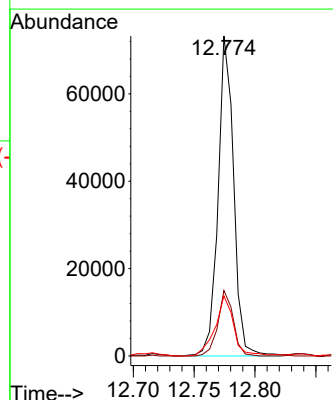
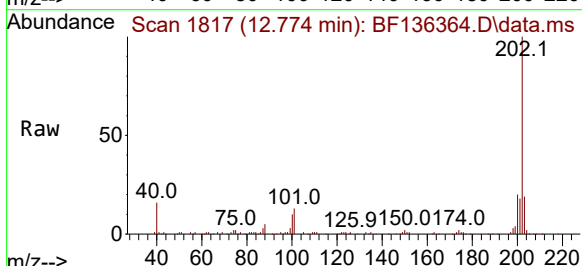
Tgt Ion:202 Resp: 65409

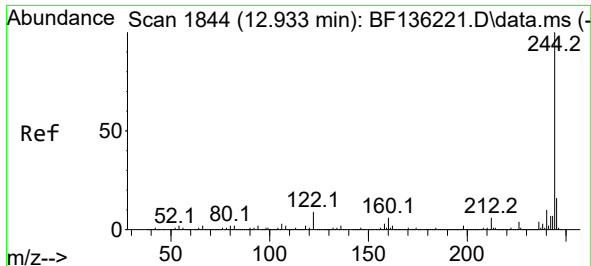
Ion Ratio Lower Upper

202 100

200 20.5 18.4 27.6

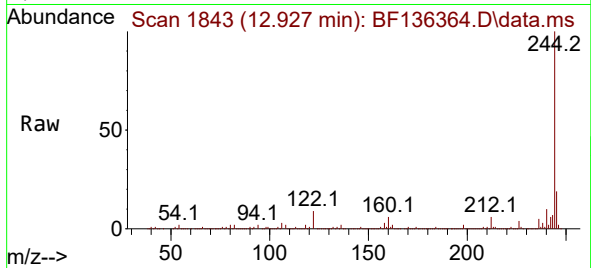
203 18.7 11.8 17.6#



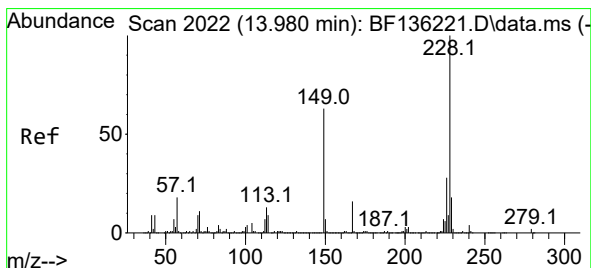
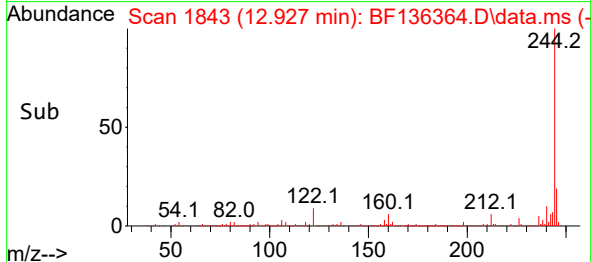
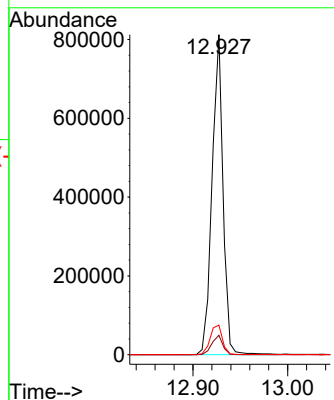


#79
 Terphenyl-d14
 Concen: 28.519 ng
 RT: 12.927 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF136364.D
 Acq: 02 Dec 2023 06:48

Instrument :
 BNA_F
 ClientSampleId :

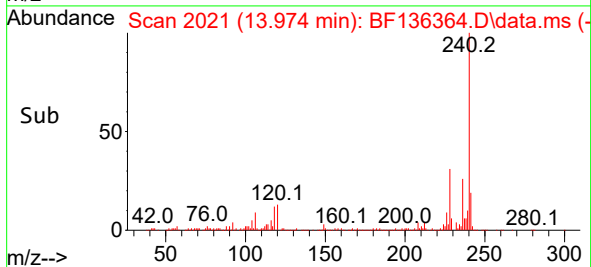
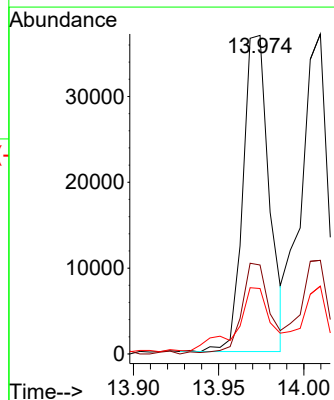
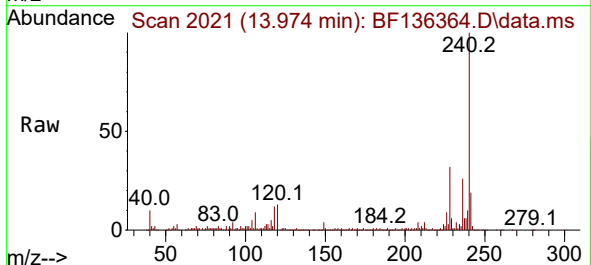


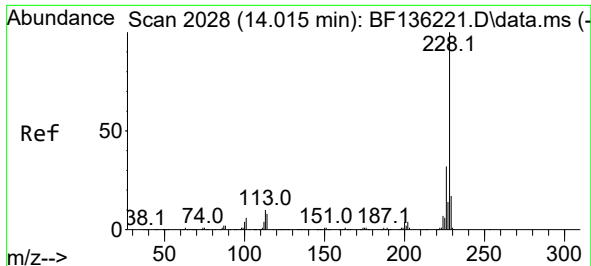
Tgt Ion:244 Resp: 648476
 Ion Ratio Lower Upper
 244 100
 212 6.1 4.6 7.0
 122 9.2 7.3 10.9



#81
 Benzo(a)anthracene
 Concen: 2.031 ng
 RT: 13.974 min Scan# 2021
 Delta R.T. -0.006 min
 Lab File: BF136364.D
 Acq: 02 Dec 2023 06:48

Tgt Ion:228 Resp: 39570
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.6 34.0
 229 20.5 14.0 21.0

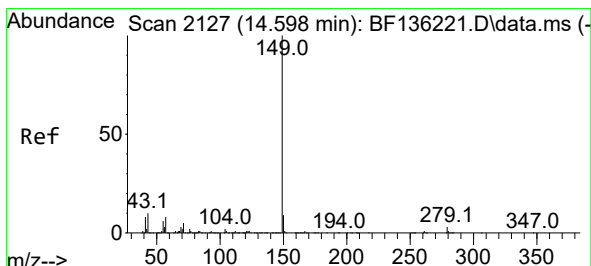
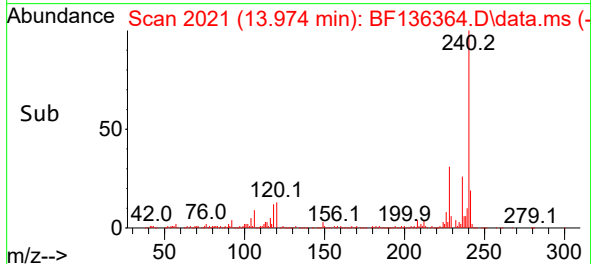
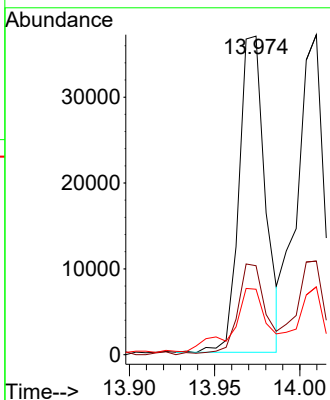
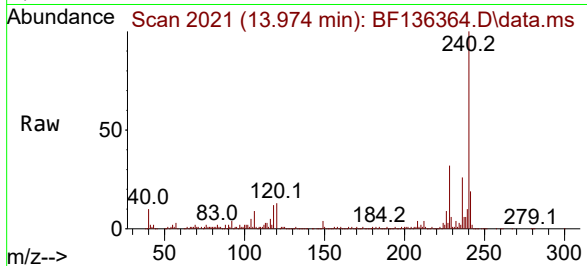




#83
Chrysene
Concen: 2.104 ng
RT: 13.974 min Scan# 2028
Delta R.T. -0.041 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

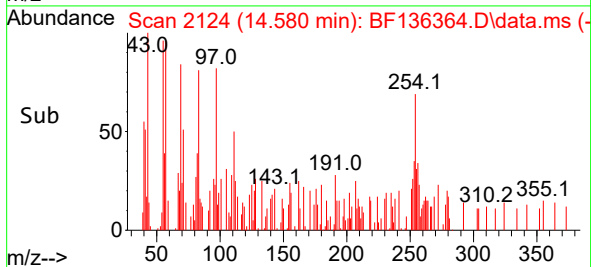
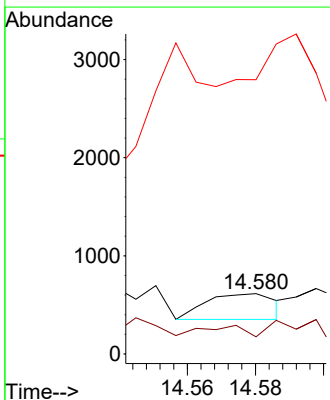
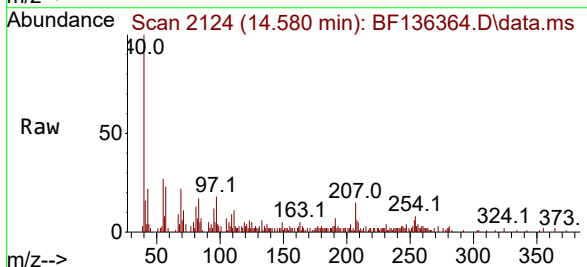
Instrument :
BNA_F
ClientSampleId :

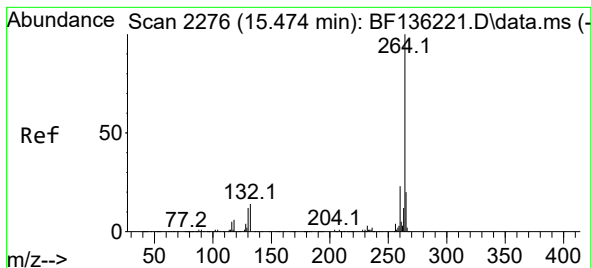
Tgt Ion:228 Resp: 39570
Ion Ratio Lower Upper
228 100
226 27.9 25.5 38.3
229 20.5 13.9 20.9



#85
Di-n-octyl phthalate
Concen: 5.182 ng
RT: 14.580 min Scan# 2124
Delta R.T. -0.018 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

Tgt Ion:149 Resp: 373
Ion Ratio Lower Upper
149 100
167 89.5 1.0 1.6#
43 997.3 7.2 10.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136364.D

Acq: 02 Dec 2023 06:48

Instrument :

BNA_F

ClientSampleId :

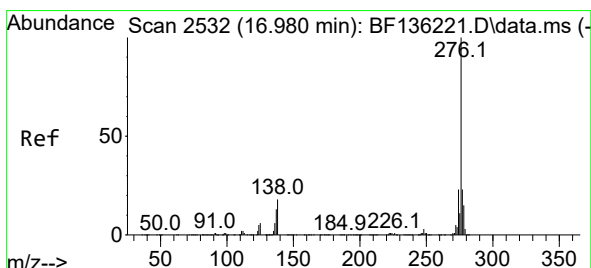
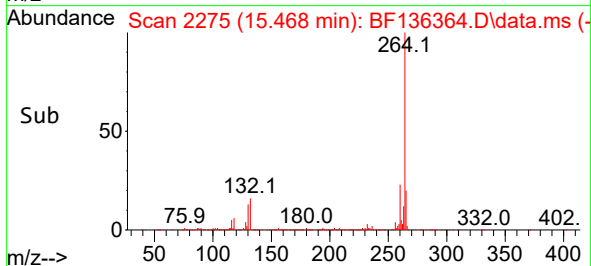
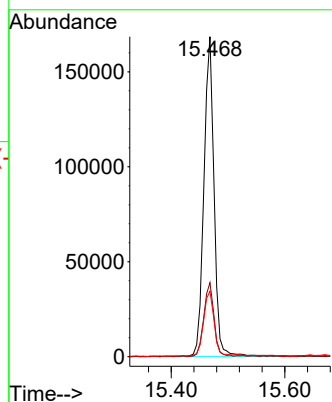
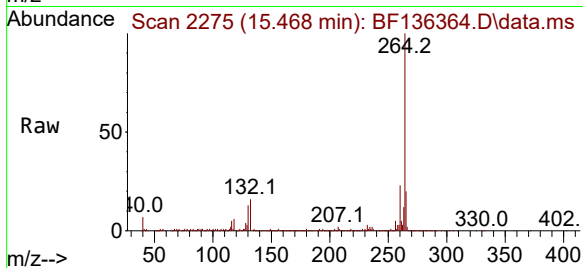
Tgt Ion:264 Resp: 208044

Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 20.5 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.697 ng

RT: 16.962 min Scan# 2529

Delta R.T. -0.018 min

Lab File: BF136364.D

Acq: 02 Dec 2023 06:48

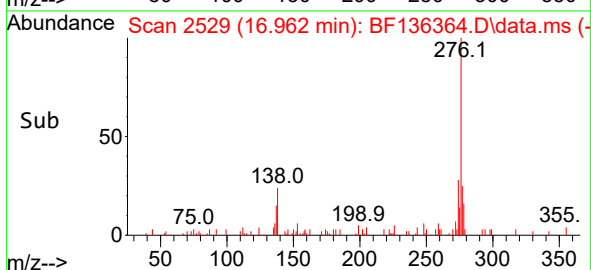
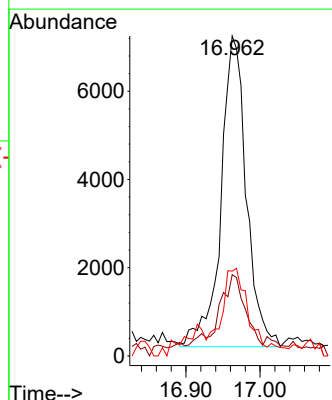
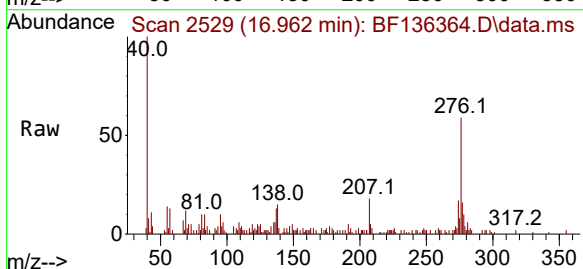
Tgt Ion:276 Resp: 16766

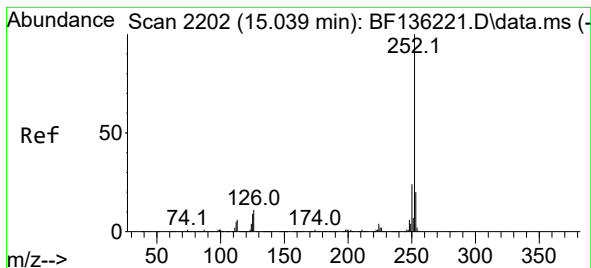
Ion Ratio Lower Upper

276 100

138 22.5 17.7 26.5

277 23.6 19.6 29.4





#88

Benzo(b)fluoranthene

Concen: 4.423 ng

RT: 15.027 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136364.D

Acq: 02 Dec 2023 06:48

Instrument :

BNA_F

ClientSampleId :

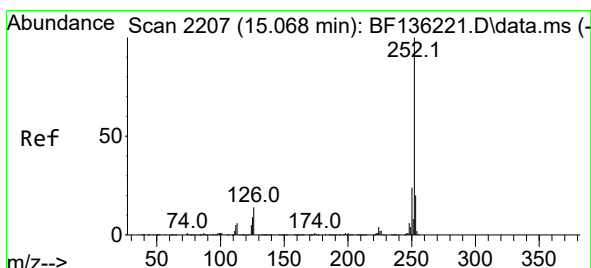
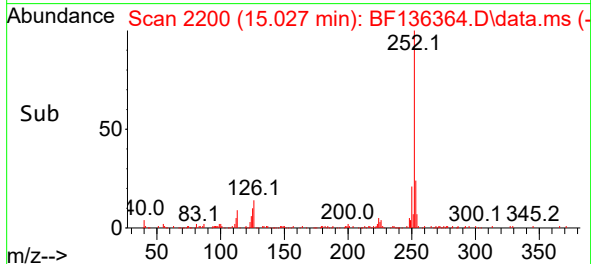
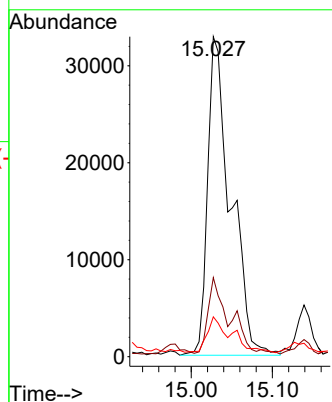
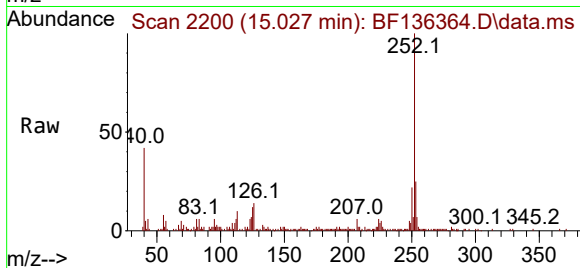
Tgt Ion:252 Resp: 64563

Ion Ratio Lower Upper

252 100

253 24.7 16.2 24.2#

125 12.4 6.9 10.3#



#89

Benzo(k)fluoranthene

Concen: 4.657 ng

RT: 15.027 min Scan# 2200

Delta R.T. -0.041 min

Lab File: BF136364.D

Acq: 02 Dec 2023 06:48

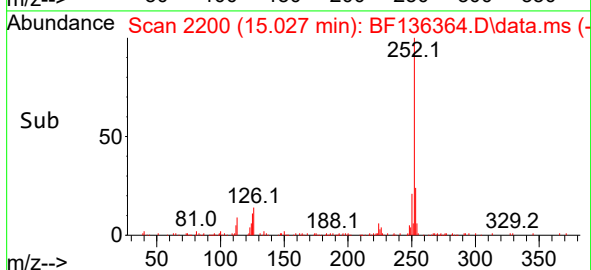
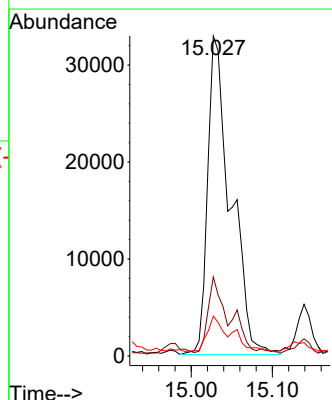
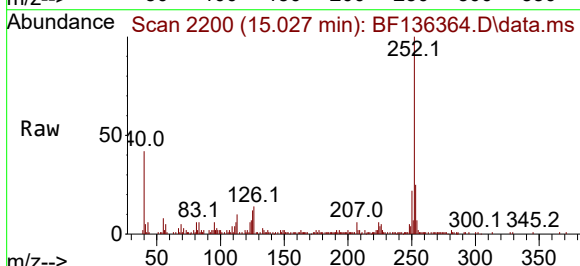
Tgt Ion:252 Resp: 64563

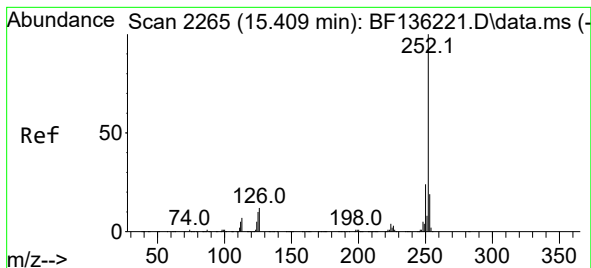
Ion Ratio Lower Upper

252 100

253 24.7 15.6 23.4#

125 12.4 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 2.460 ng

RT: 15.398 min Scan# 21

Delta R.T. -0.011 min

Lab File: BF136364.D

Acq: 02 Dec 2023 06:48

Instrument :

BNA_F

ClientSampleId :

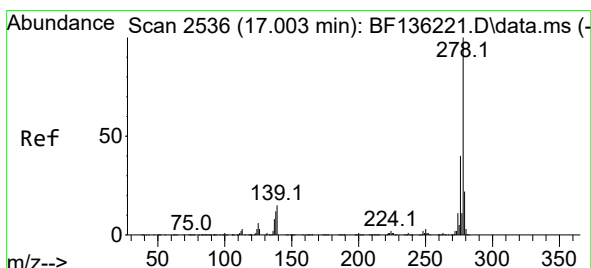
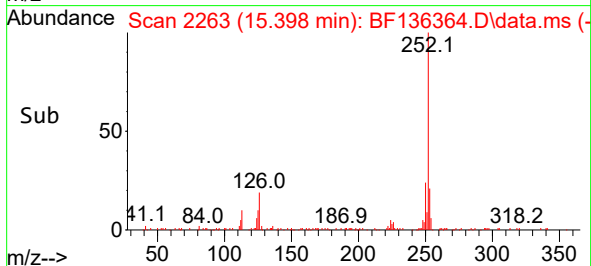
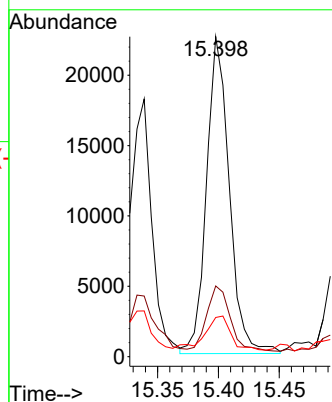
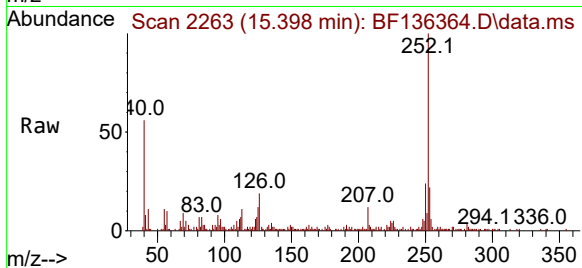
Tgt Ion:252 Resp: 29348

Ion Ratio Lower Upper

252 100

253 22.1 15.5 23.3

125 12.2 7.9 11.9#



#91

Dibenzo(a,h)anthracene

Concen: 3.126 ng

RT: 16.992 min Scan# 2534

Delta R.T. -0.011 min

Lab File: BF136364.D

Acq: 02 Dec 2023 06:48

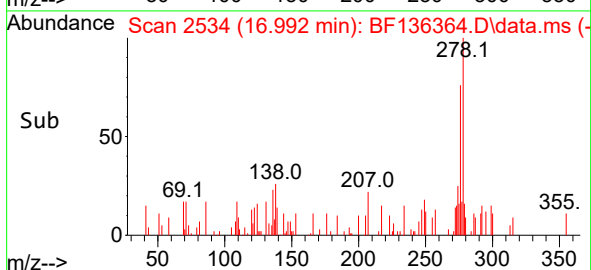
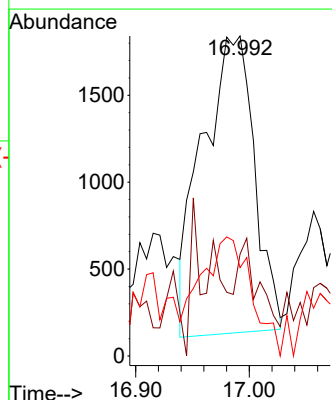
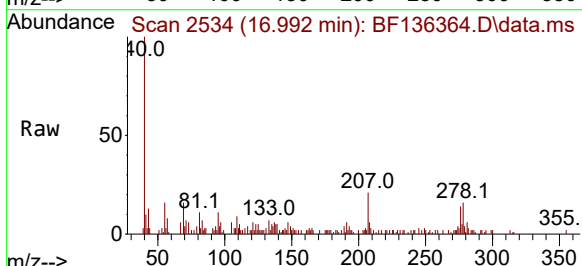
Tgt Ion:278 Resp: 5452

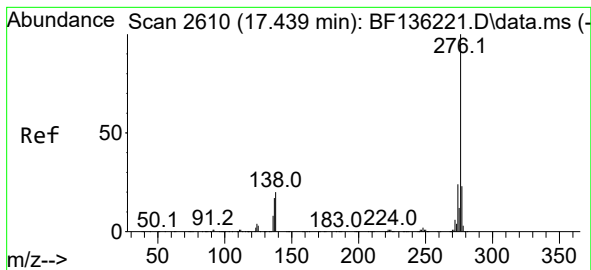
Ion Ratio Lower Upper

278 100

139 31.8 11.7 17.5#

279 27.6 17.8 26.8#





#92

Benzo(g,h,i)perylene

Concen: 3.156 ng

RT: 17.421 min Scan# 20

Delta R.T. -0.018 min

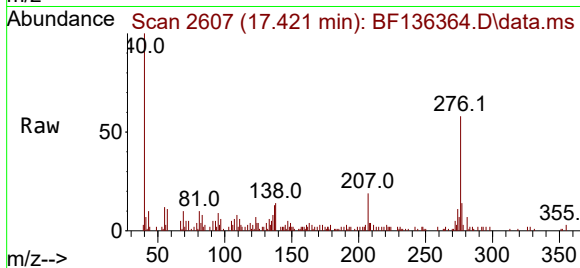
Lab File: BF136364.D

Acq: 02 Dec 2023 06:48

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 16371

Ion Ratio Lower Upper

276 100

277 23.1 18.6 27.8

138 23.7 15.8 23.8

