

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 :
 SP-2-COMP

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)

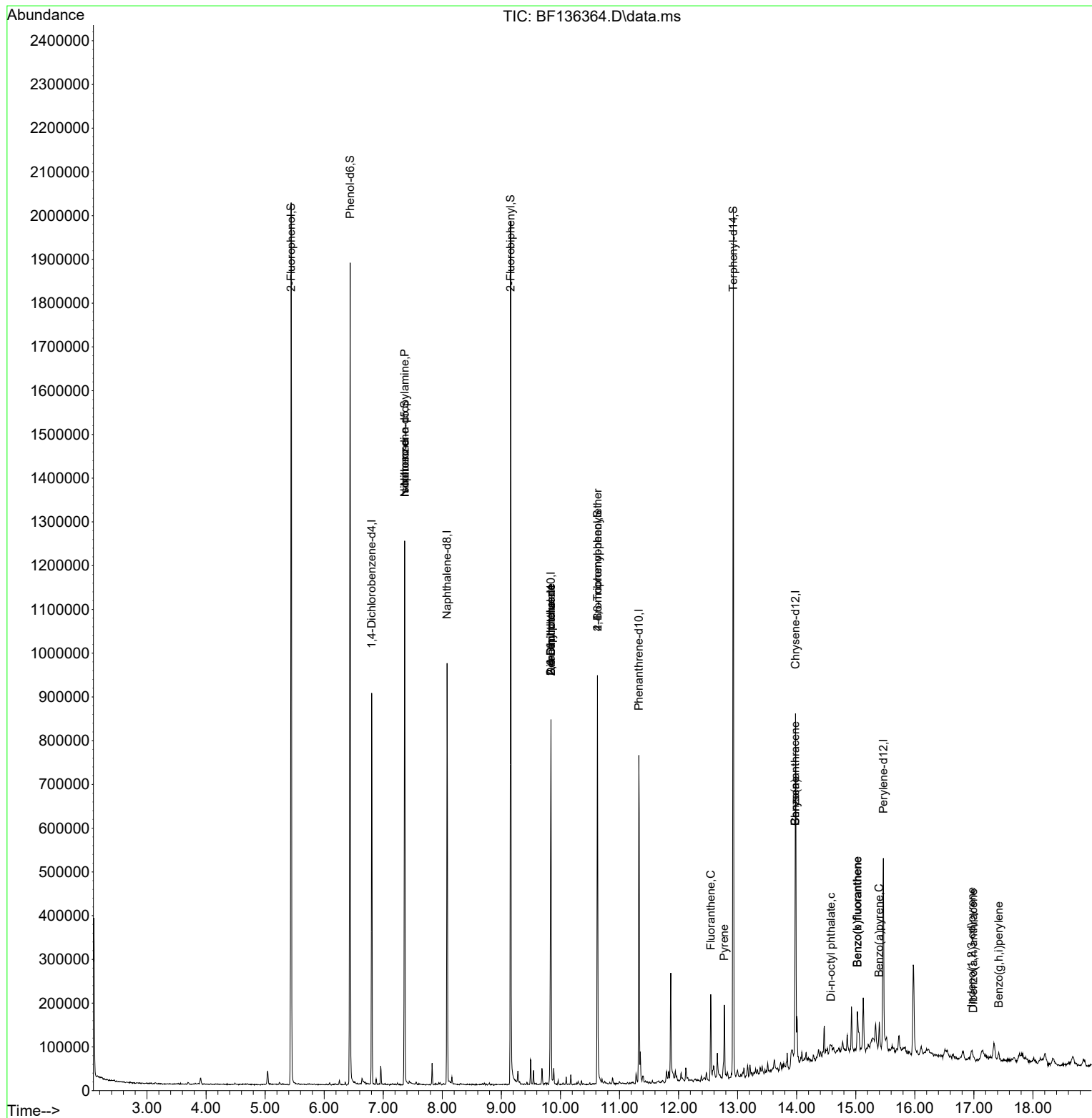
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	121365	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	404803	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	154640	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	275324	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	262284	20.000	ng	#-0.01
86) Perylene-d12	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

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 :
SP-2-COMP

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

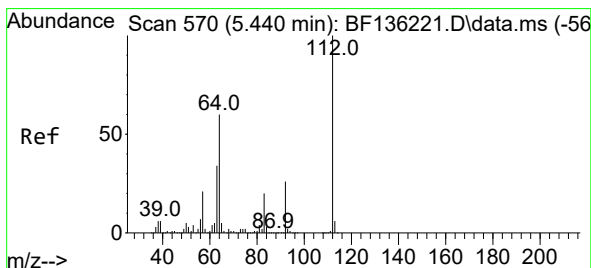
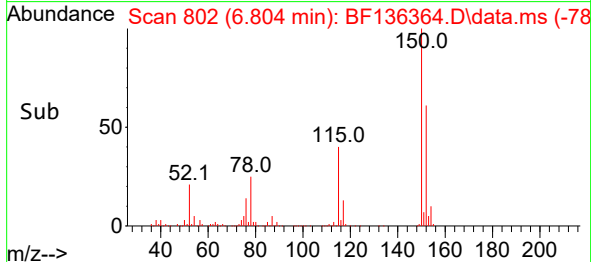
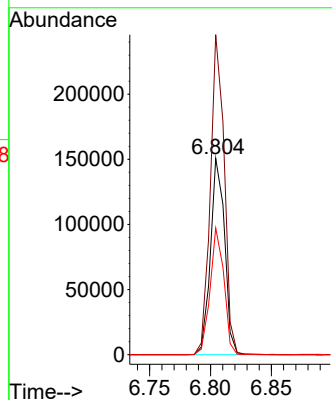
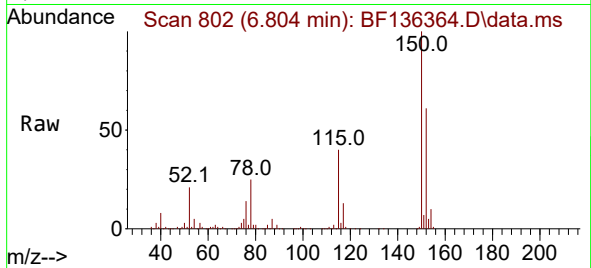




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

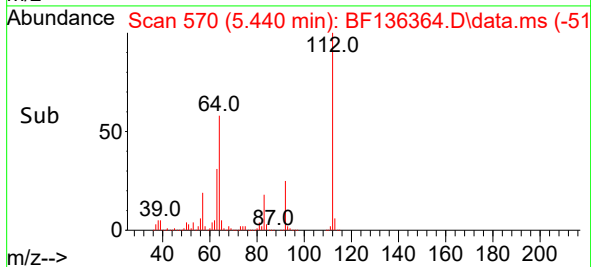
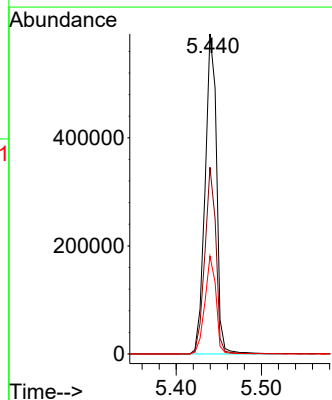
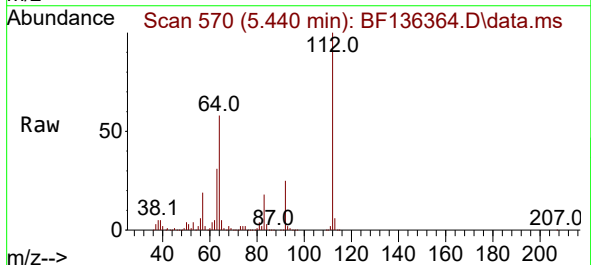
Instrument :
BNA_F
ClientSampleId :
SP-2-COMP

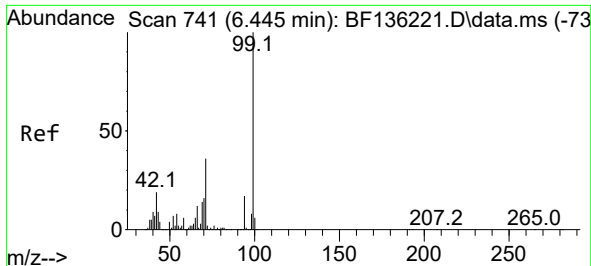
Tgt Ion:152 Resp: 121365
Ion Ratio Lower Upper
152 100
150 163.0 137.8 206.8
115 64.5 52.7 79.1



#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

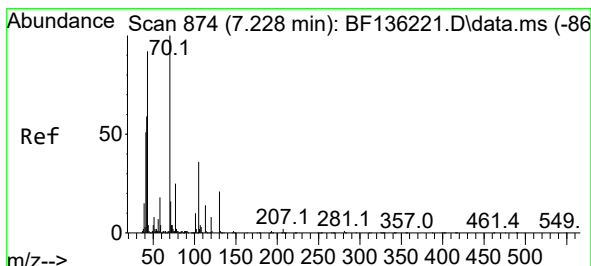
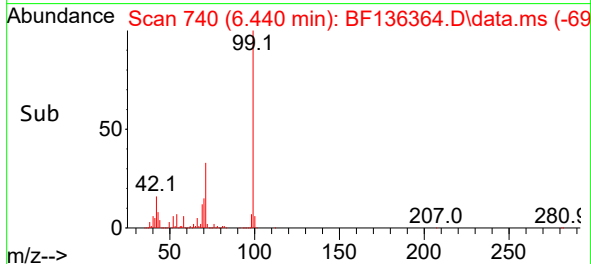
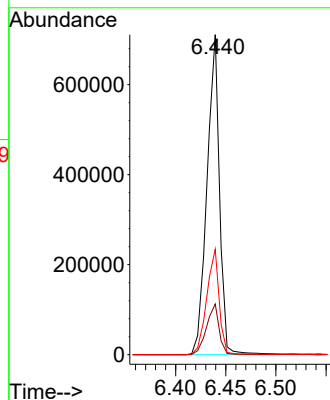
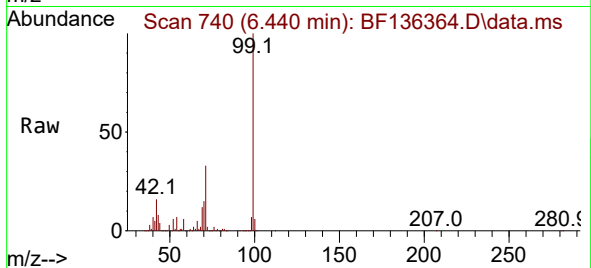




#7
Phenol-d6
Concen: 57.079 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

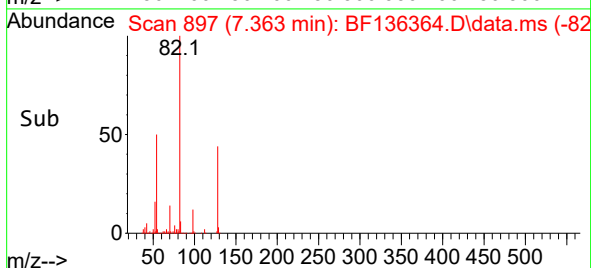
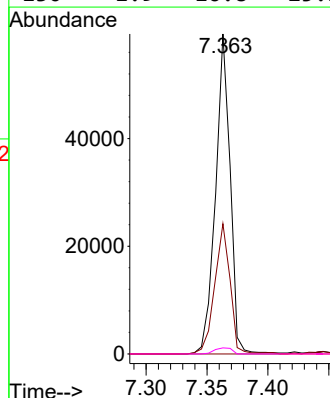
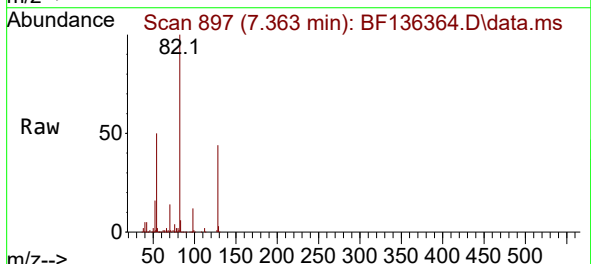
Instrument :
BNA_F
ClientSampleId :
SP-2-COMP

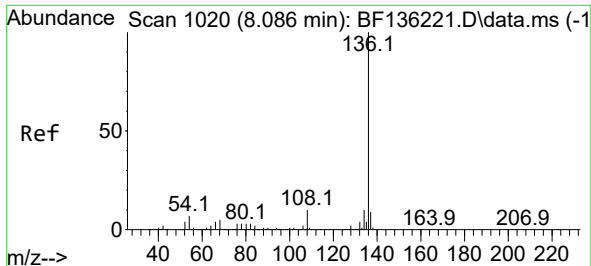
Tgt Ion: 99 Resp: 622326
Ion Ratio Lower Upper
99 100
42 15.8 15.0 22.6
71 32.9 28.9 43.3



#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# 1

Delta R.T. -0.006 min

Lab File: BF136364.D

Acq: 02 Dec 2023 06:48

Instrument :

BNA_F

ClientSampleId :

SP-2-COMP

Tgt Ion:136 Resp: 404803

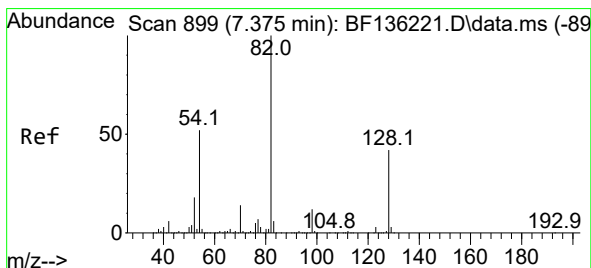
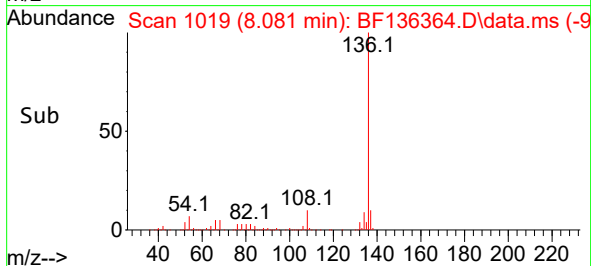
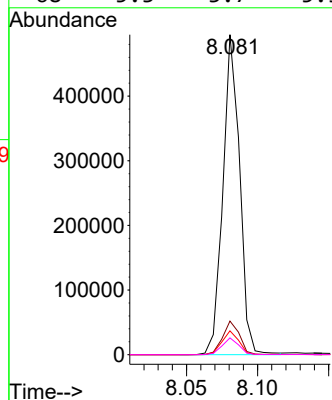
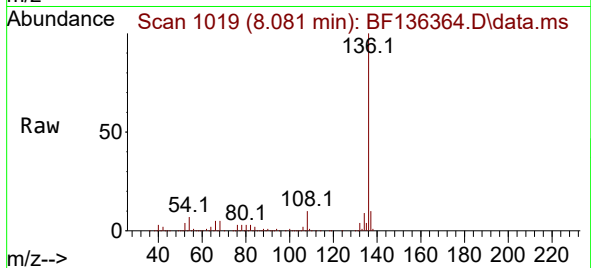
Ion Ratio Lower Upper

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

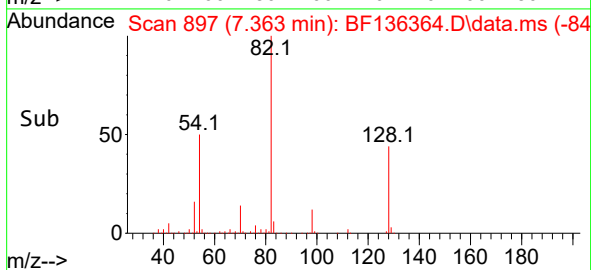
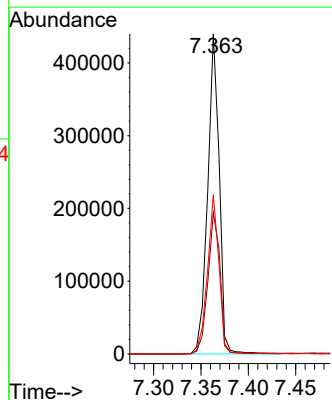
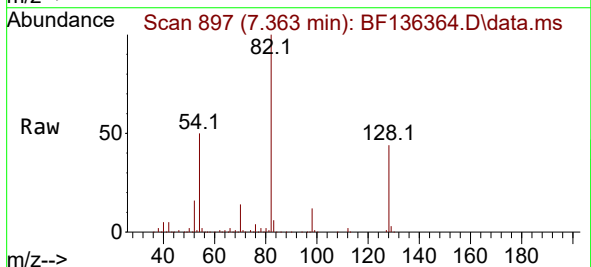
Tgt Ion: 82 Resp: 373329

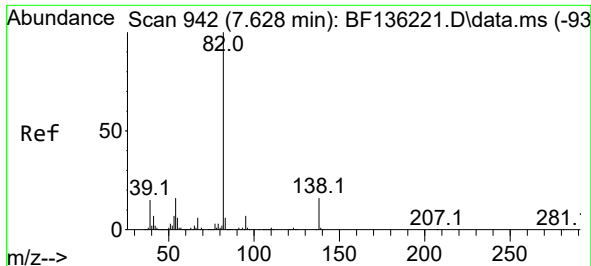
Ion Ratio Lower Upper

82 100

128 44.1 33.4 50.2

54 49.8 41.7 62.5

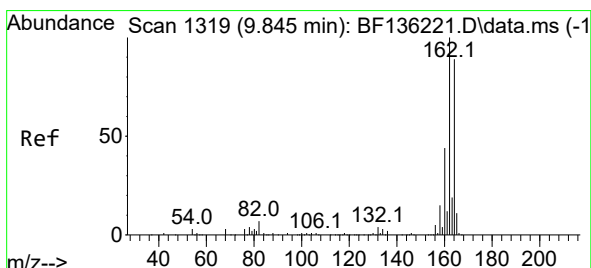
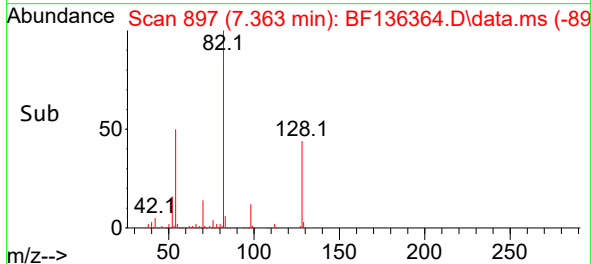
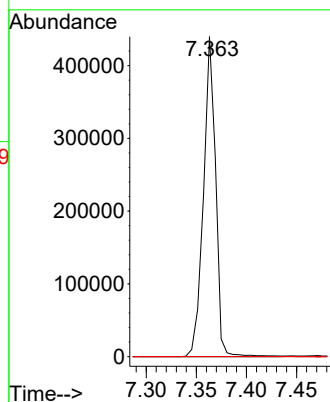
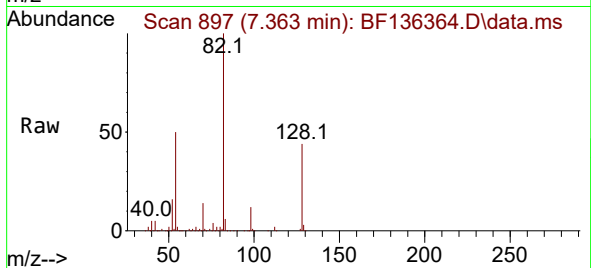




#25
Isophorone
Concen: 27.027 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.265 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

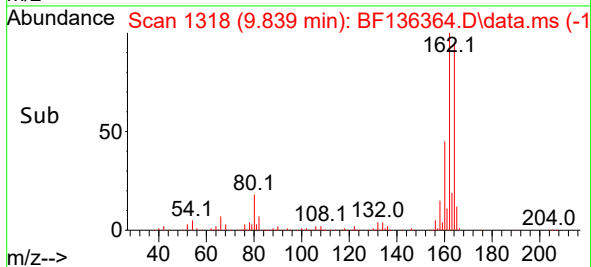
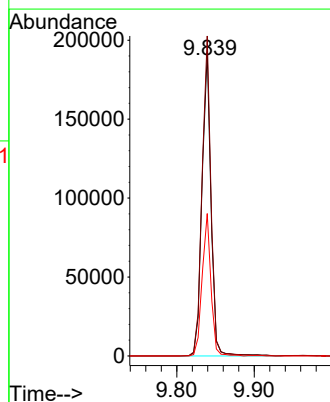
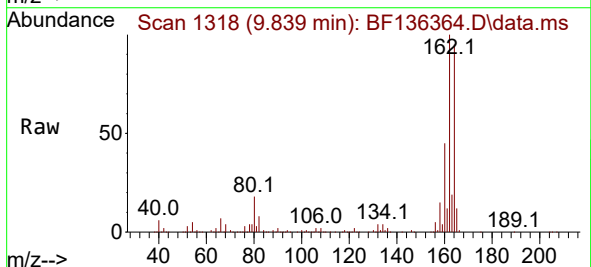
Instrument :
BNA_F
ClientSampleId :
SP-2-COMP

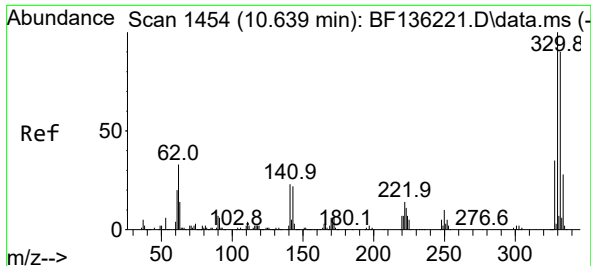
Tgt Ion: 82 Resp: 373322
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#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

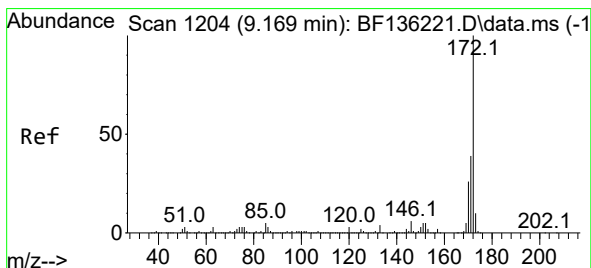
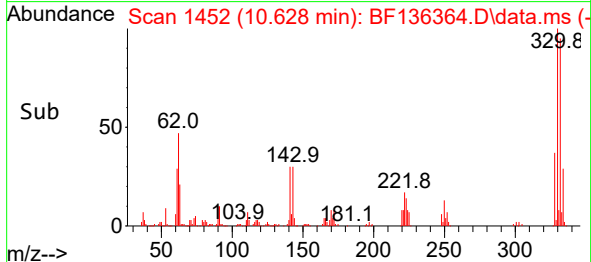
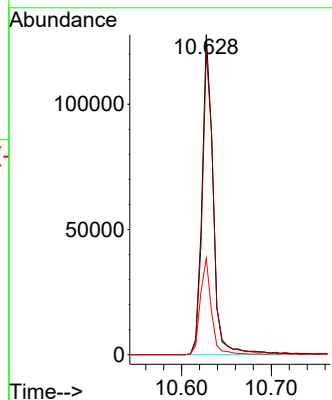
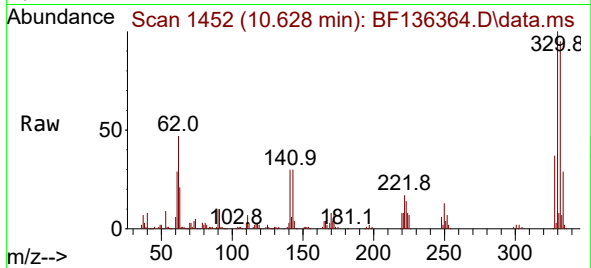




#42
2,4,6-Tribromophenol
Concen: 58.182 ng
RT: 10.628 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

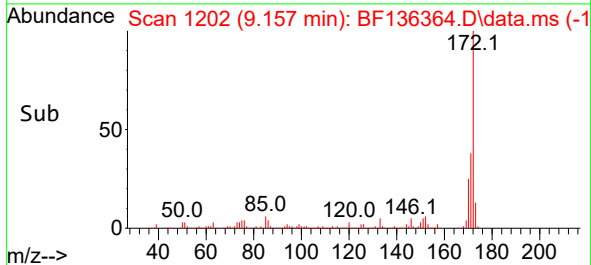
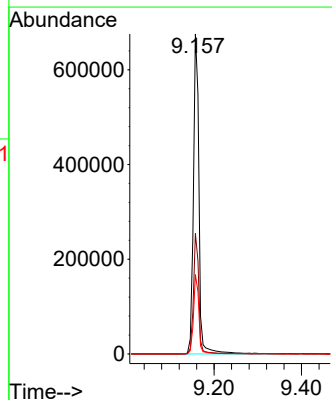
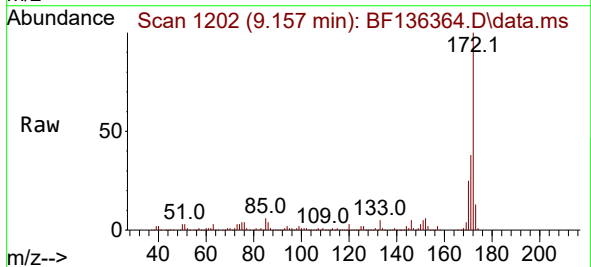
Instrument :
BNA_F
ClientSampleId :
SP-2-COMP

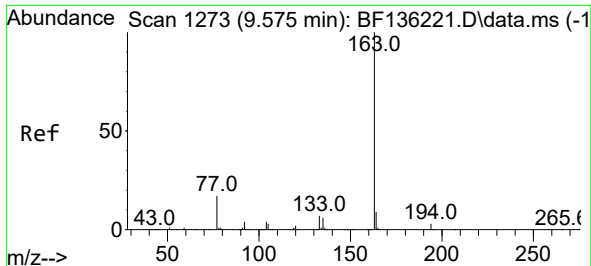
Tgt Ion:330 Resp: 110000
Ion Ratio Lower Upper
330 100
332 95.4 73.0 109.6
141 29.9 24.2 36.2



#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

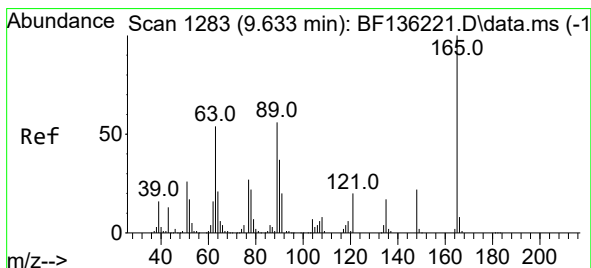
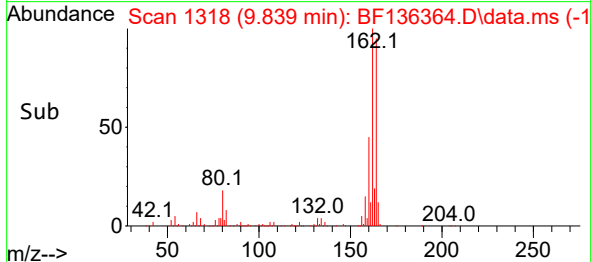
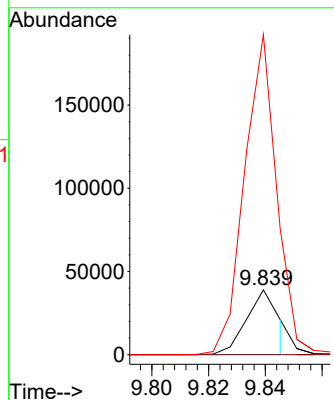
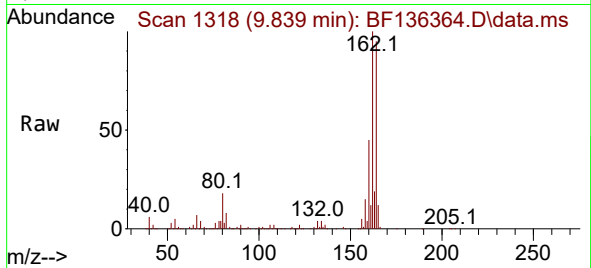




#50
Dimethylphthalate
Concen: 2.611 ng
RT: 9.839 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

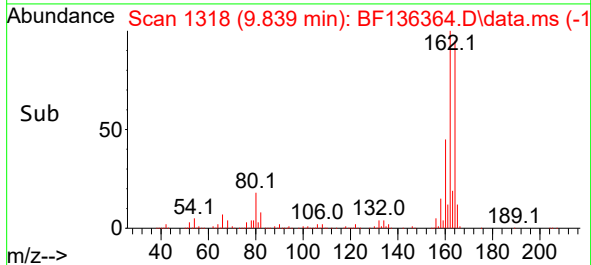
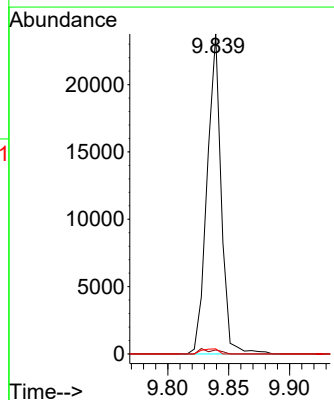
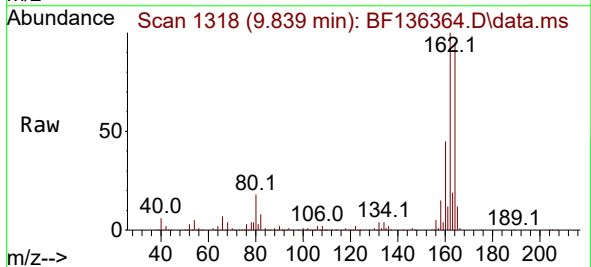
Instrument :
BNA_F
ClientSampleId :
SP-2-COMP

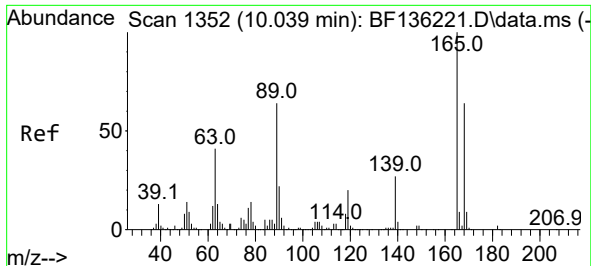
Tgt Ion:163 Resp: 30520
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 493.3 7.0 10.6#



#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

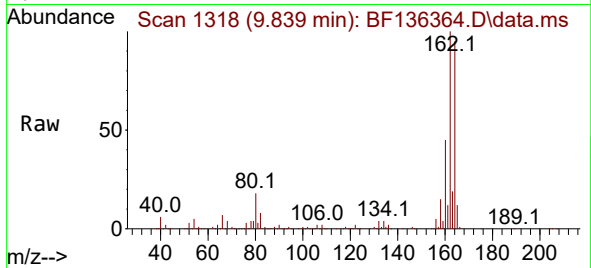
Tgt Ion:165 Resp: 19063
Ion Ratio Lower Upper
165 100
63 1.3 46.2 69.2#
89 1.6 44.9 67.3#



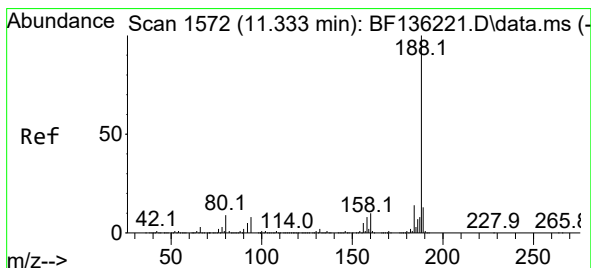
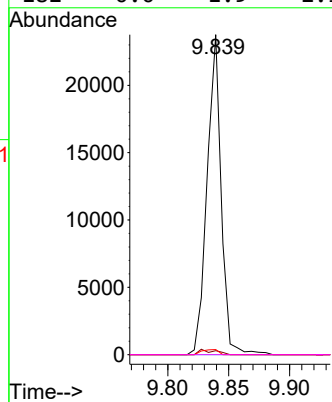
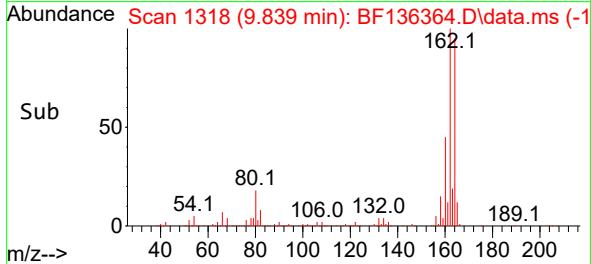


#57
2,4-Dinitrotoluene
Concen: 5.977 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

Instrument :
BNA_F
ClientSampleId :
SP-2-COMP

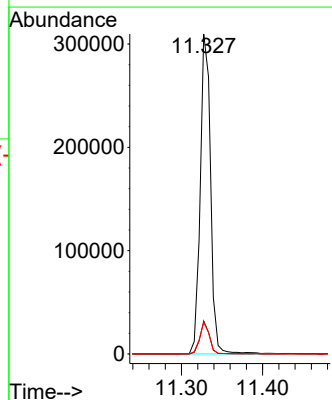
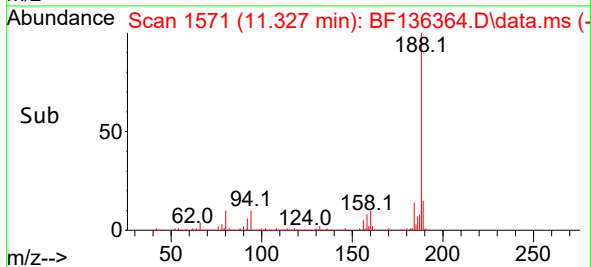
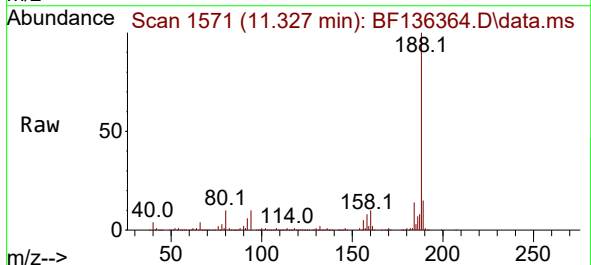


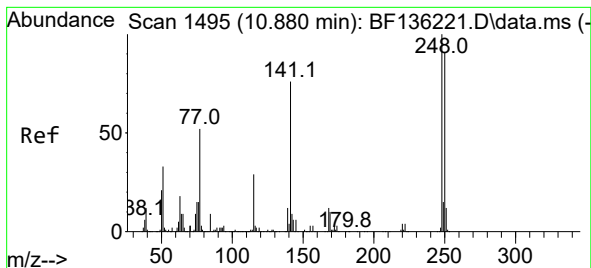
Tgt Ion:165 Resp: 19063
Ion Ratio Lower Upper
165 100
63 1.3 33.0 49.4#
89 1.6 51.5 77.3#
182 0.0 1.9 2.9#



#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

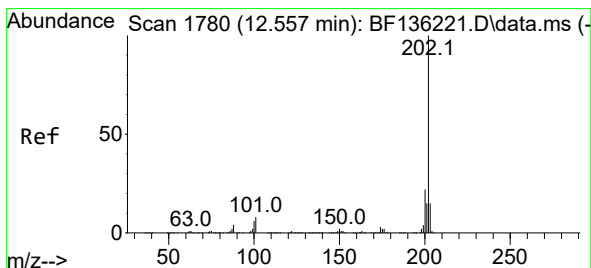
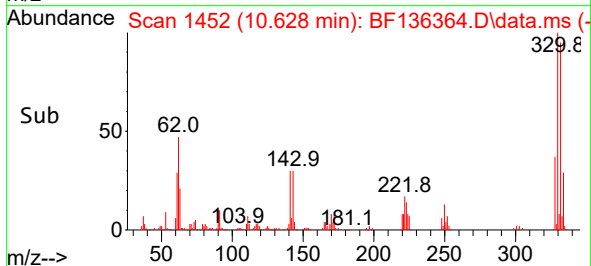
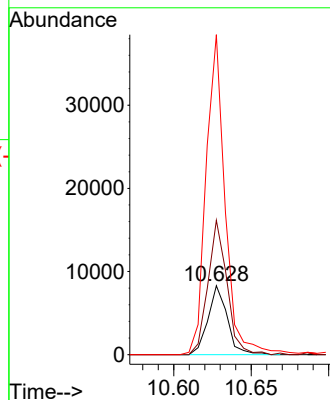
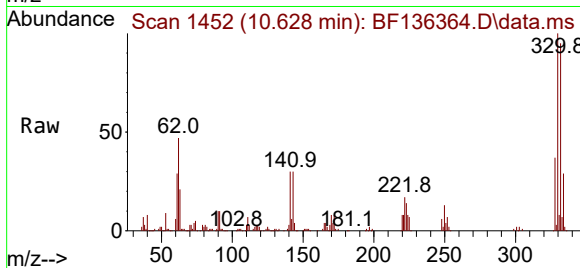




#67
4-Bromophenyl-phenylether
Concen: 2.241 ng
RT: 10.628 min Scan# 1495
Delta R.T. -0.253 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

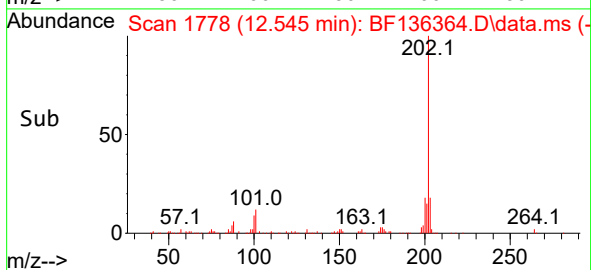
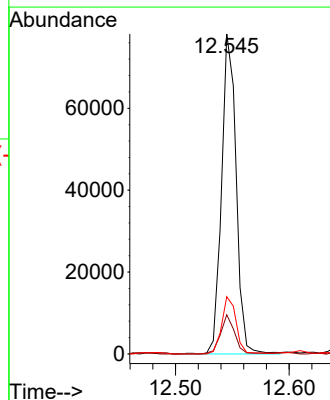
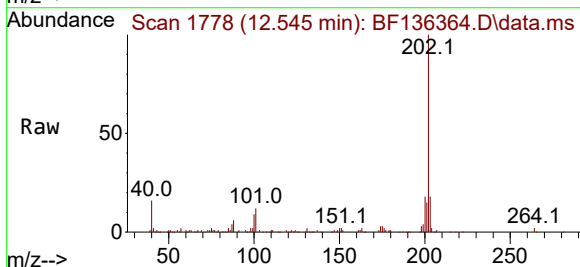
Instrument :
BNA_F
ClientSampleId :
SP-2-COMP

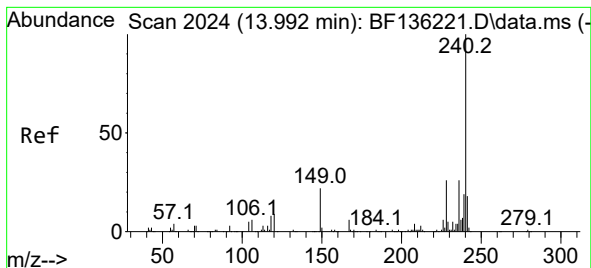
Tgt Ion:248 Resp: 7199
Ion Ratio Lower Upper
248 100
250 195.0 72.5 108.7#
141 464.3 60.8 91.2#



#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 :

SP-2-COMP

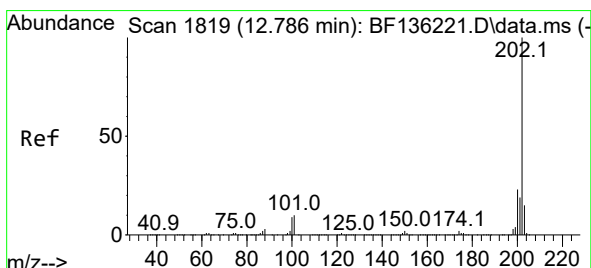
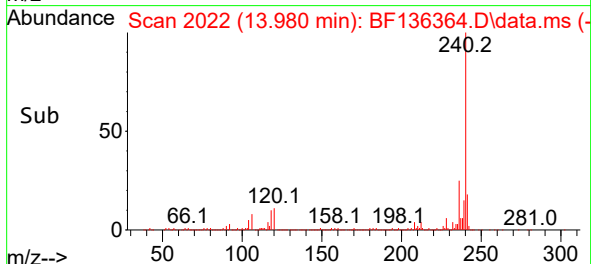
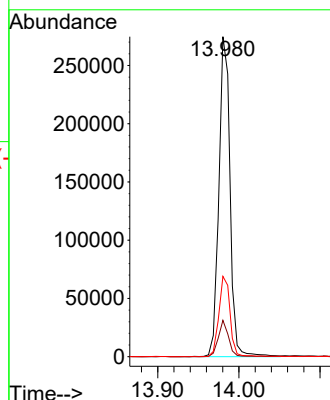
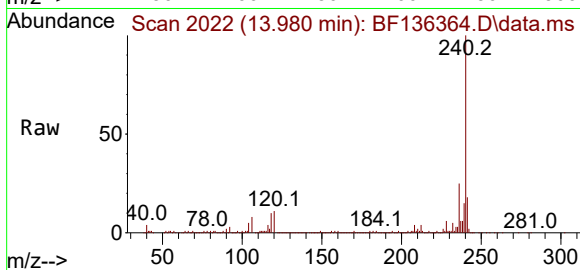
Tgt Ion:240 Resp: 262284

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

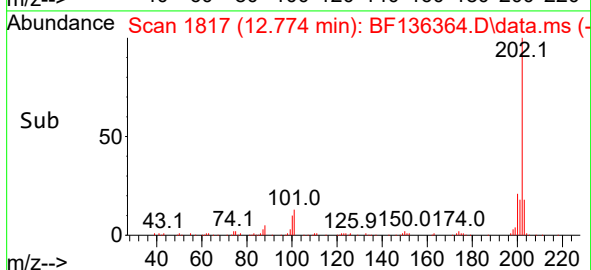
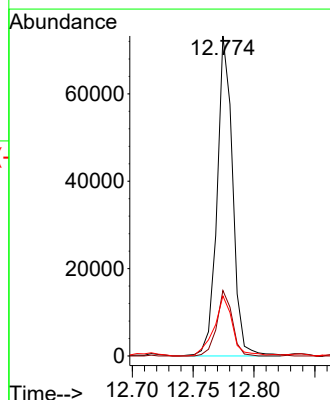
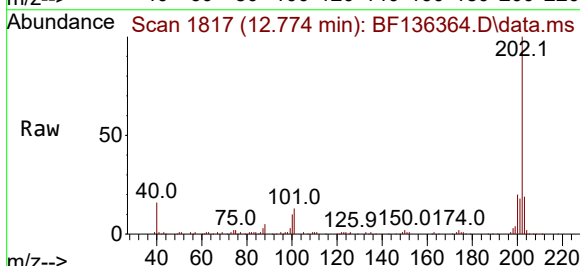
Tgt Ion:202 Resp: 65409

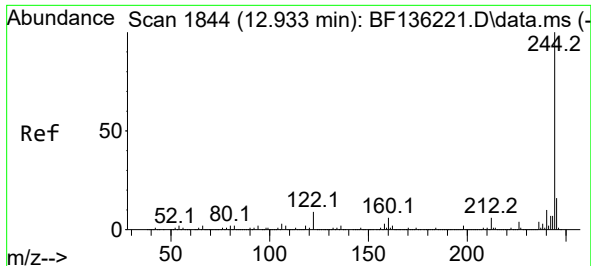
Ion Ratio Lower Upper

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 :

SP-2-COMP

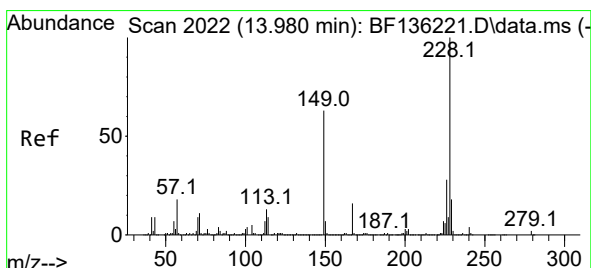
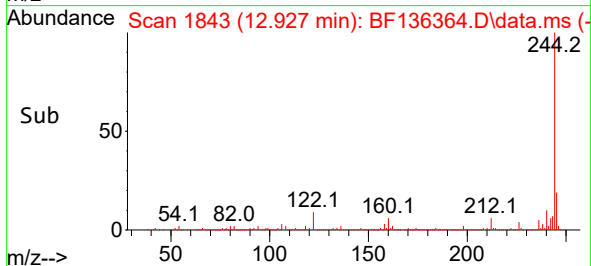
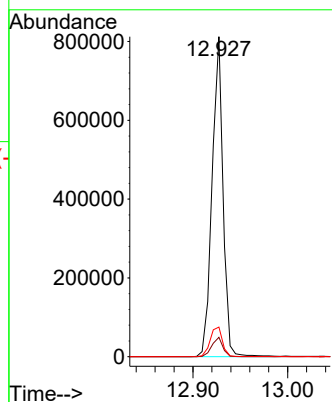
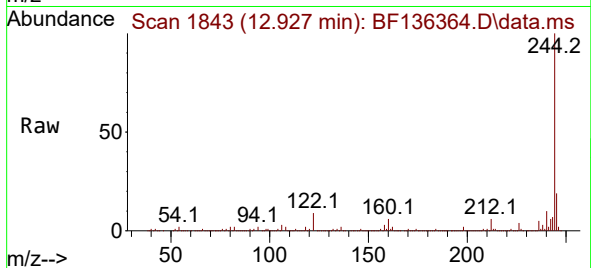
Tgt Ion:244 Resp: 648476

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

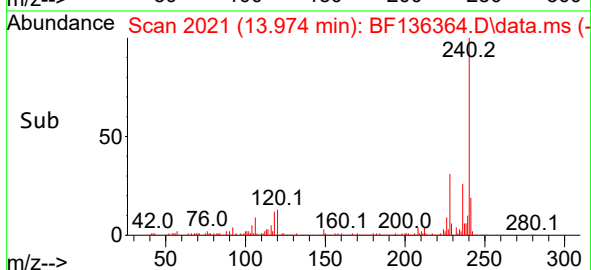
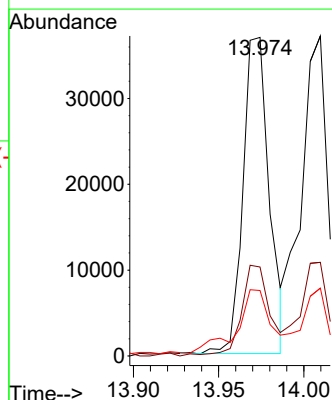
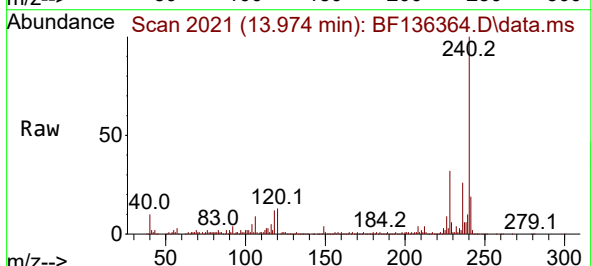
Tgt Ion:228 Resp: 39570

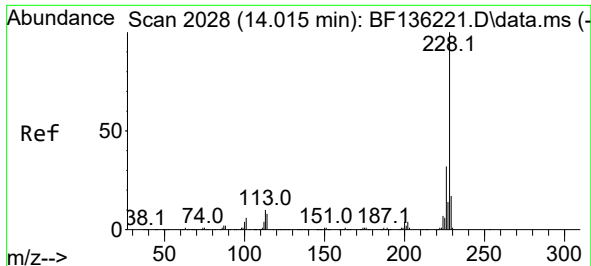
Ion Ratio Lower Upper

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# 20

Delta R.T. -0.041 min

Lab File: BF136364.D

Acq: 02 Dec 2023 06:48

Instrument :

BNA_F

ClientSampleId :

SP-2-COMP

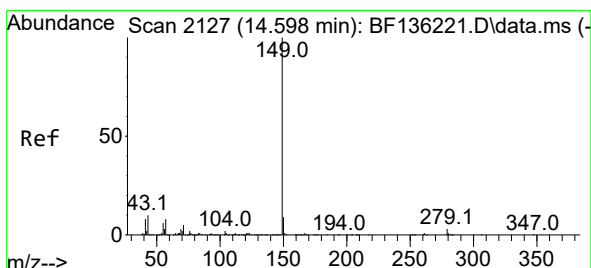
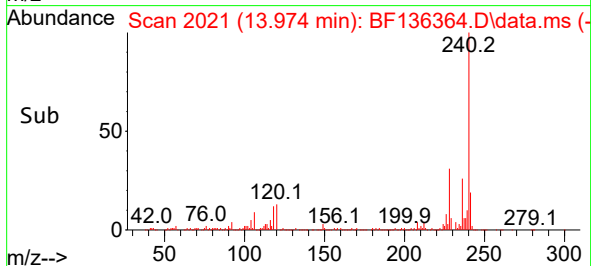
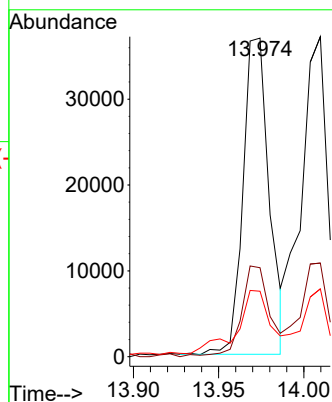
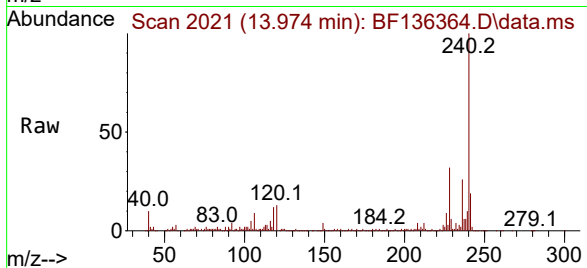
Tgt Ion:228 Resp: 39570

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

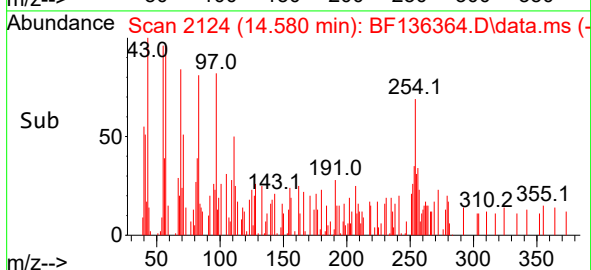
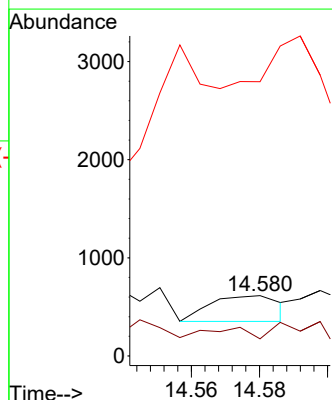
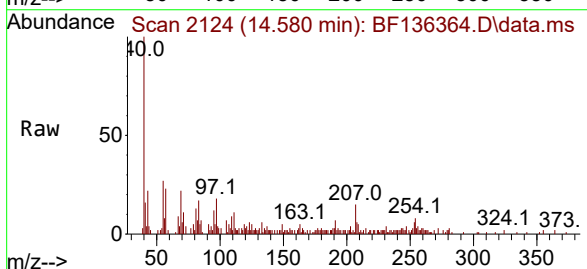
Tgt Ion:149 Resp: 373

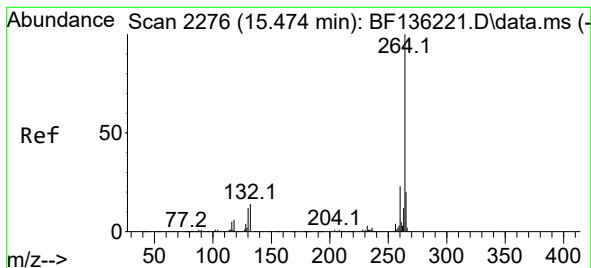
Ion Ratio Lower Upper

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 :

SP-2-COMP

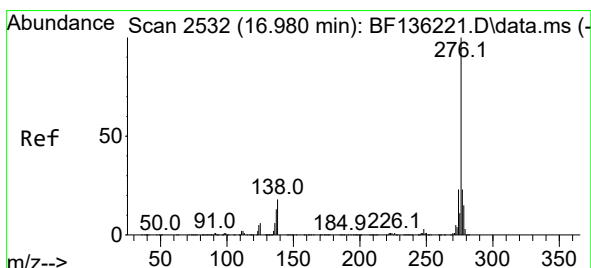
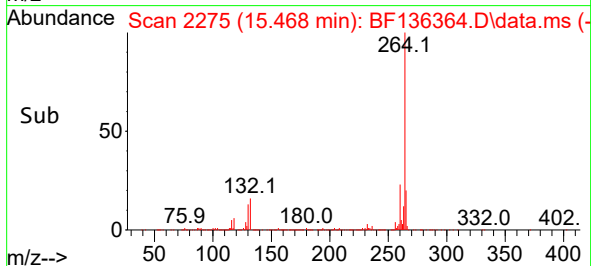
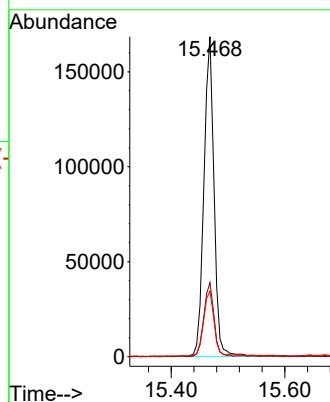
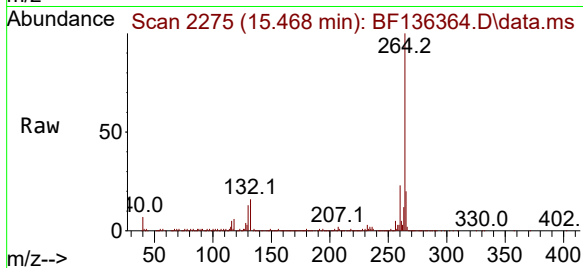
Tgt Ion:264 Resp: 208044

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

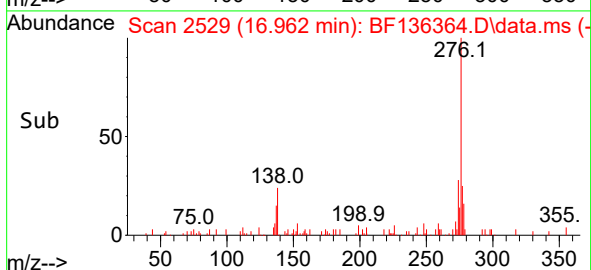
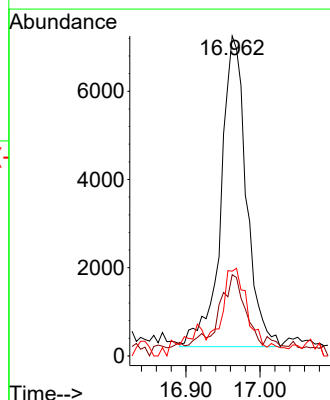
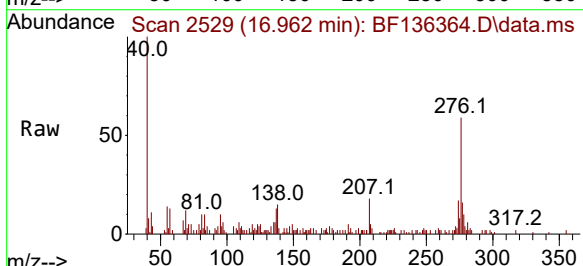
Tgt Ion:276 Resp: 16766

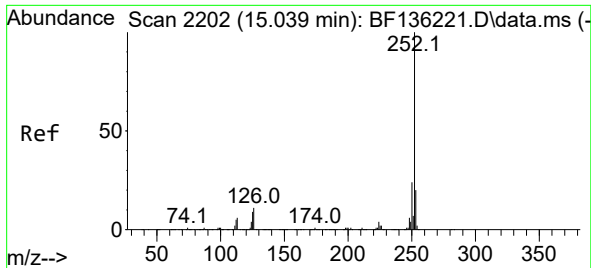
Ion Ratio Lower Upper

276 100

138 22.5 17.7 26.5

277 23.6 19.6 29.4

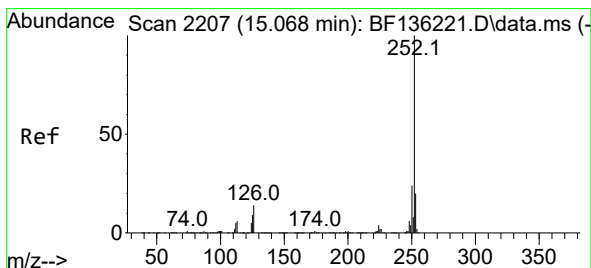
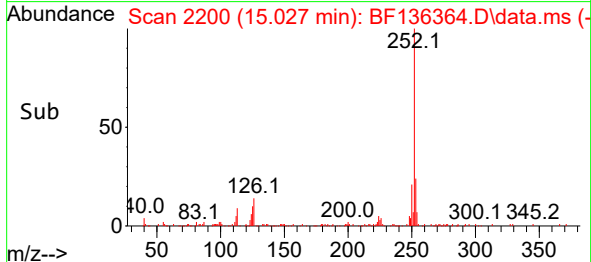
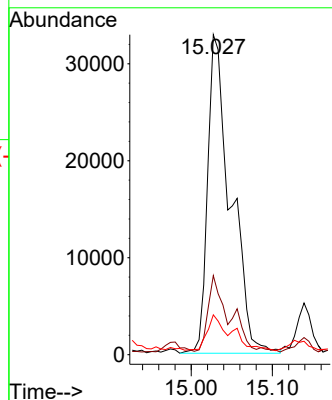
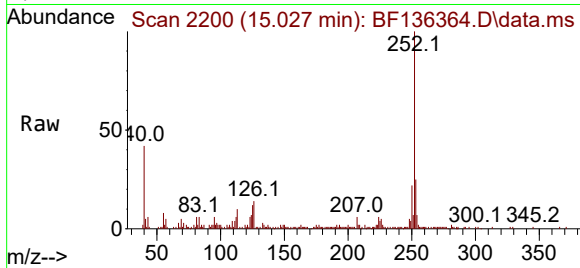




#88
Benzo(b)fluoranthene
Concen: 4.423 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

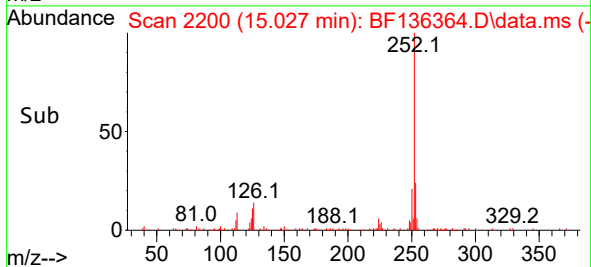
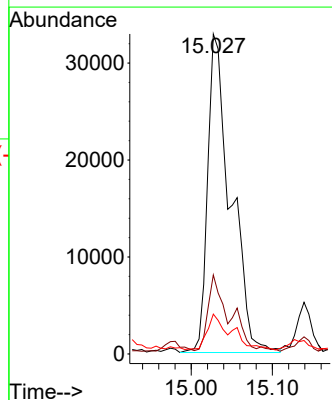
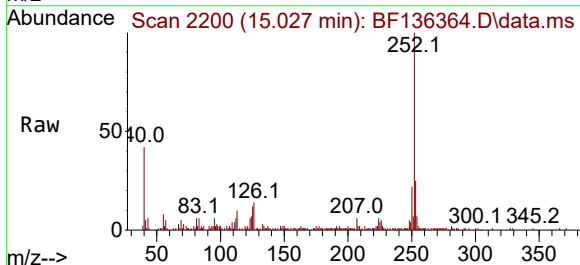
Instrument :
BNA_F
ClientSampleId :
SP-2-COMP

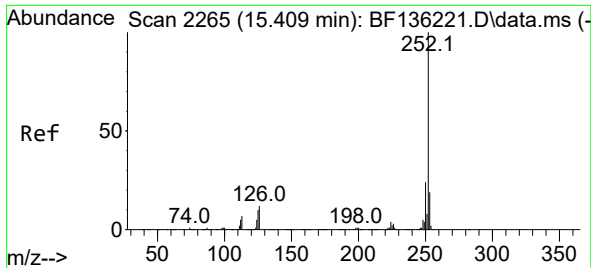
Tgt Ion:252 Resp: 64563
Ion Ratio Lower Upper
252 100
253 24.7 16.2 24.2#
125 12.4 6.9 10.3#



#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#

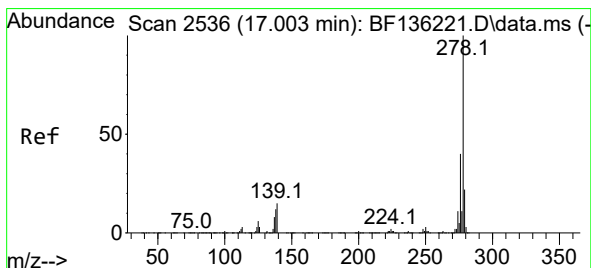
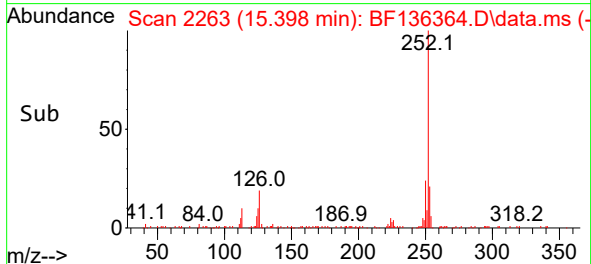
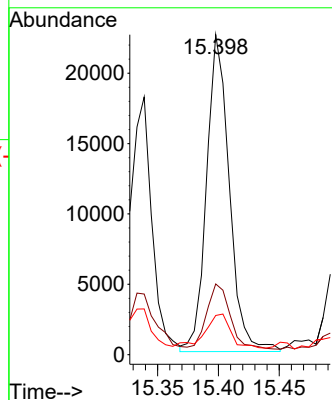
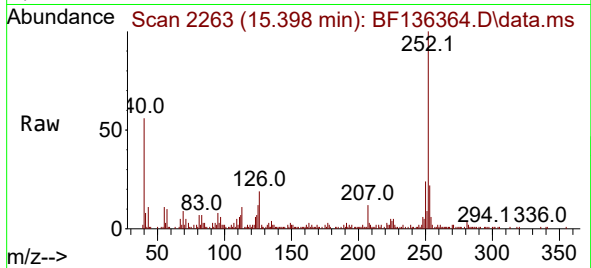




#90
Benzo(a)pyrene
Concen: 2.460 ng
RT: 15.398 min Scan# 21
Delta R.T. -0.011 min
Lab File: BF136364.D
Acq: 02 Dec 2023 06:48

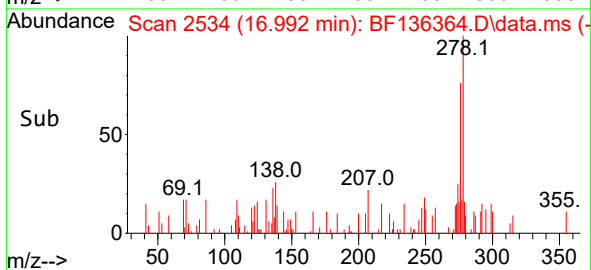
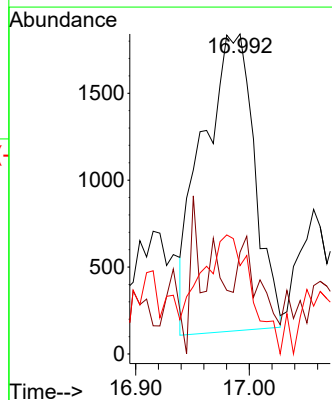
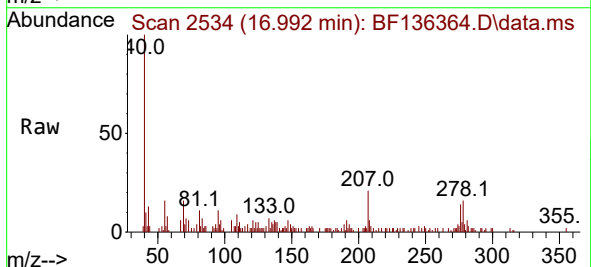
Instrument :
BNA_F
ClientSampleId :
SP-2-COMP

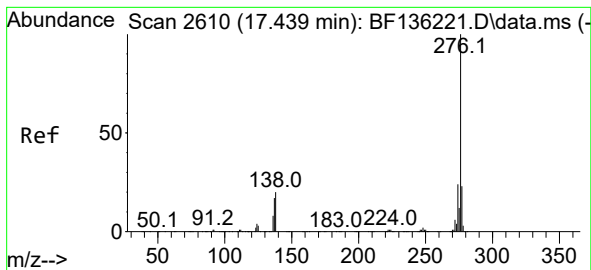
Tgt Ion:252 Resp: 29348
Ion Ratio Lower Upper
252 100
253 22.1 15.5 23.3
125 12.2 7.9 11.9#



#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# 2

Delta R.T. -0.018 min

Lab File: BF136364.D

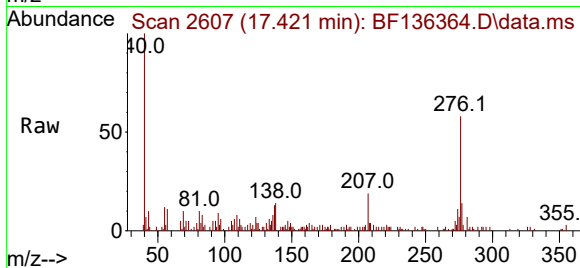
Acq: 02 Dec 2023 06:48

Instrument :

BNA_F

ClientSampleId :

SP-2-COMP



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

