

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136371.D
 Acq On : 02 Dec 2023 10:28
 Operator : CG\JU
 Sample : 05434-13
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-7

Quant Time: Dec 03 07:25:03 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

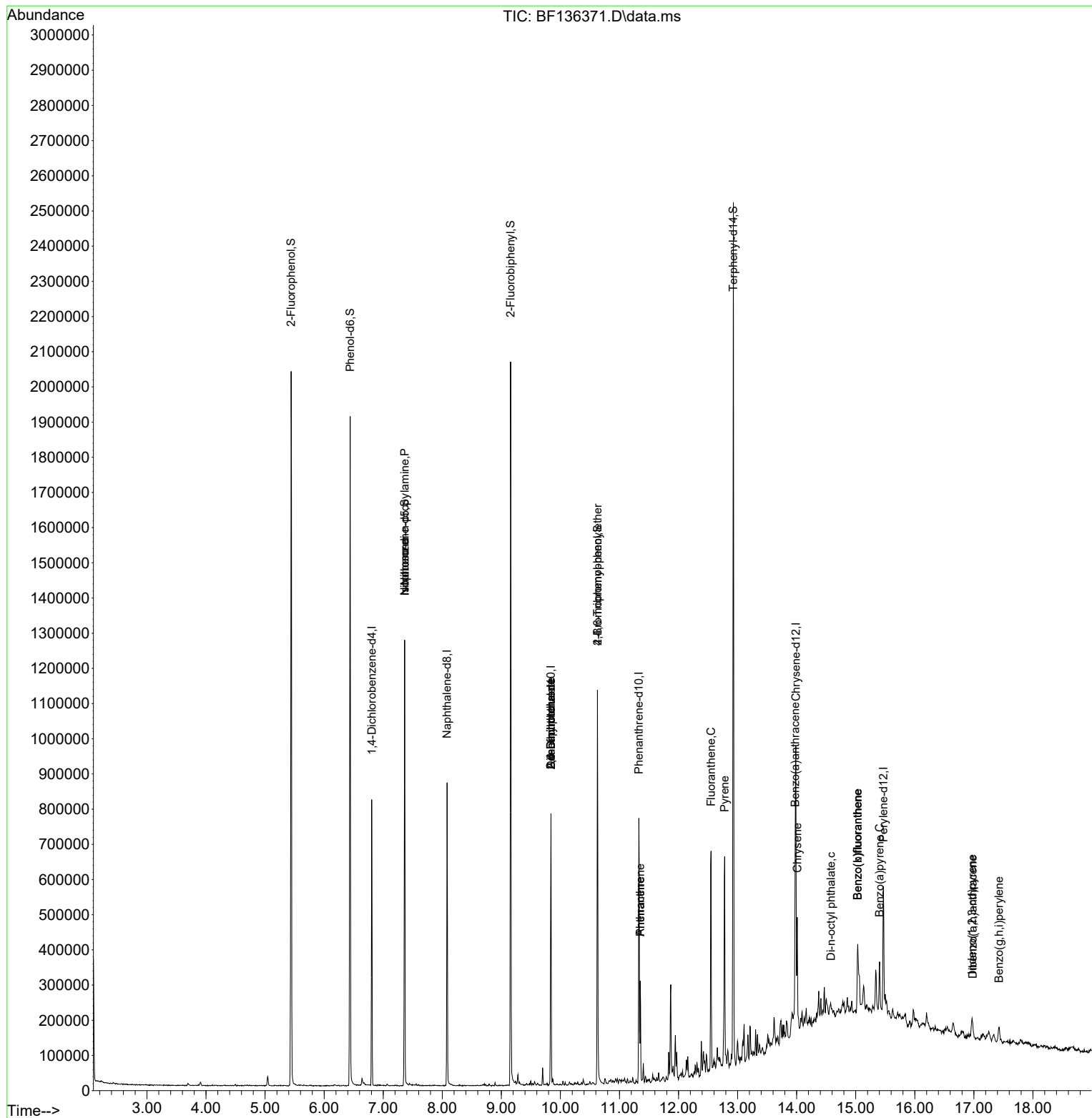
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	107835	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	347576	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	141177	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	273449	20.000	ng	# 0.00
76) Chrysene-d12	13.986	240	243686	20.000	ng	0.00
86) Perylene-d12	15.468	264	172919	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	589368	76.071	ng	0.00
7) Phenol-d6	6.440	99	626503	64.672	ng	0.00
23) Nitrobenzene-d5	7.363	82	372812	56.680	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	135555	78.537	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	623074	56.373	ng	-0.01
79) Terphenyl-d14	12.927	244	806456	38.174	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.363	70	47607	8.217	ng	# 74
25) Isophorone	7.363	82	372803	31.433	ng	# 68
50) Dimethylphthalate	9.839	163	28969	2.715	ng	# 1
51) 2,6-Dinitrotoluene	9.839	165	17994	8.255	ng	# 24
57) 2,4-Dinitrotoluene	9.839	165	17994	6.180	ng	# 27
67) 4-Bromophenyl-phenylether	10.628	248	8133	2.549	ng	# 1
71) Phenanthrene	11.351	178	102425	6.664	ng	# 95
72) Anthracene	11.351	178	102425	6.646	ng	96
75) Fluoranthene	12.551	202	253704	16.261	ng	94
78) Pyrene	12.780	202	251043	9.407	ng	96
81) Benzo(a)anthracene	13.974	228	114049	6.301	ng	95
83) Chrysene	14.010	228	121106	6.930	ng	94
85) Di-n-octyl phthalate	14.580	149	248	5.176	ng	# 28
87) Indeno(1,2,3-cd)pyrene	16.968	276	40402	5.630	ng	96
88) Benzo(b)fluoranthene	15.033	252	146033	12.037	ng	# 87
89) Benzo(k)fluoranthene	15.033	252	146033	12.674	ng	# 86
90) Benzo(a)pyrene	15.404	252	67528	6.809	ng	94
91) Dibenzo(a,h)anthracene	16.980	278	10166	3.638	ng	# 85
92) Benzo(g,h,i)perylene	17.427	276	39803	5.573	ng	96

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

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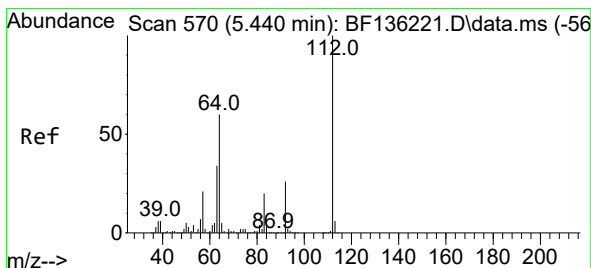
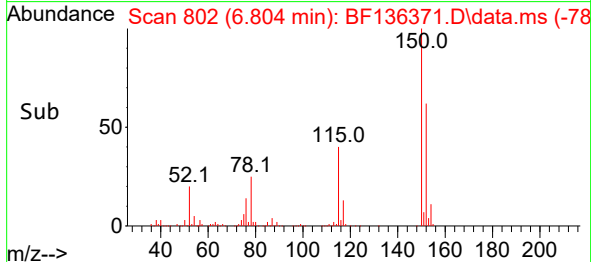
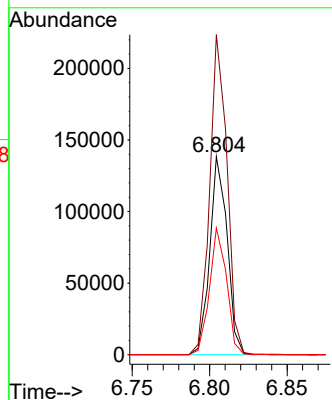
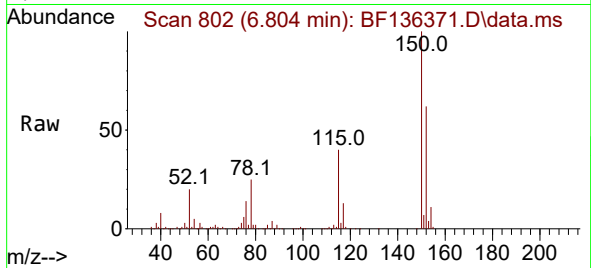




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

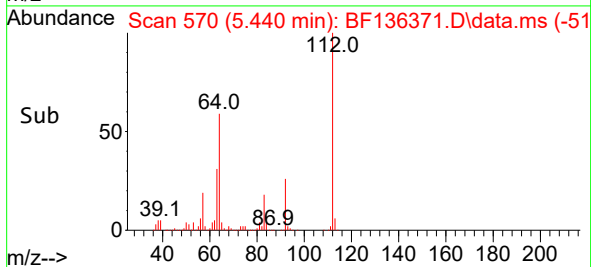
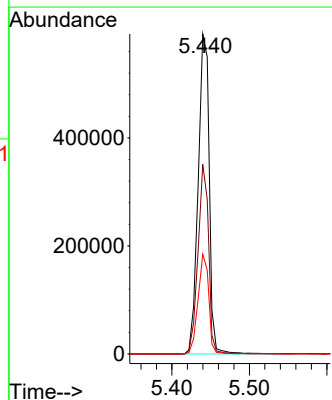
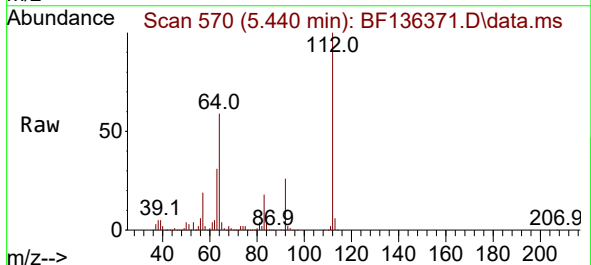
Instrument :
BNA_F
ClientSampleId :
COMP-7

Tgt Ion:152 Resp: 107835
Ion Ratio Lower Upper
152 100
150 161.5 137.8 206.8
115 63.9 52.7 79.1



#5
2-Fluorophenol
Concen: 76.071 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

Tgt Ion:112 Resp: 589368
Ion Ratio Lower Upper
112 100
64 59.3 48.2 72.4
63 31.2 27.0 40.6

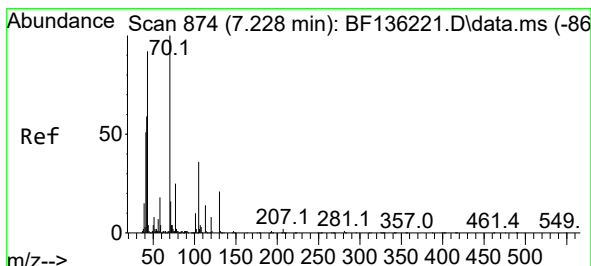
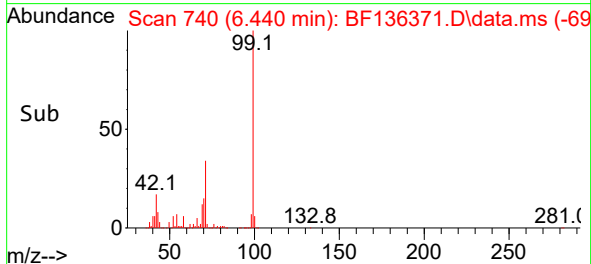
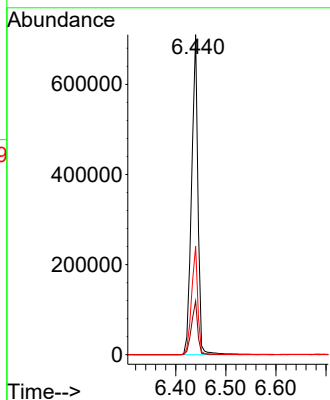
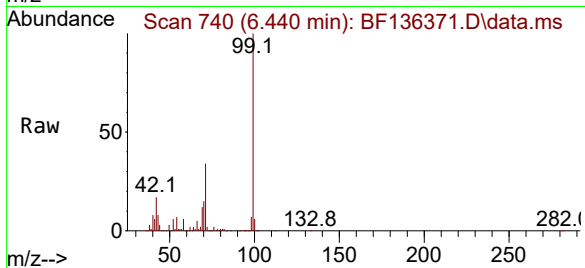




#7
Phenol-d6
Concen: 64.672 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

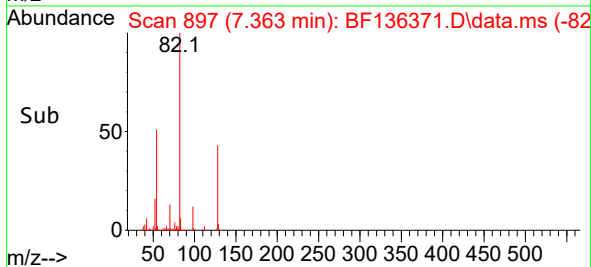
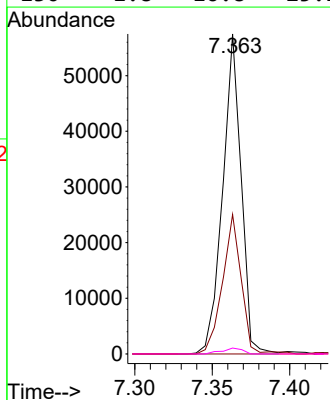
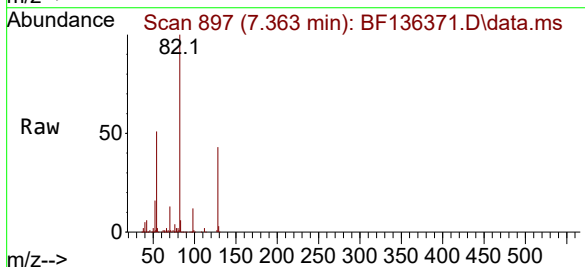
Instrument :
BNA_F
ClientSampleId :
COMP-7

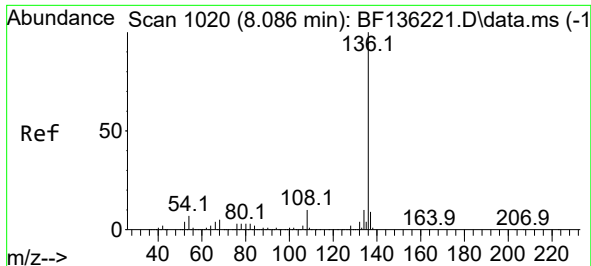
Tgt Ion: 99 Resp: 626503
Ion Ratio Lower Upper
99 100
42 16.7 15.0 22.6
71 33.9 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 8.217 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

Tgt Ion: 70 Resp: 47607
Ion Ratio Lower Upper
70 100
42 43.6 47.0 70.4#
101 0.0 7.8 11.8#
130 1.8 16.8 25.2#

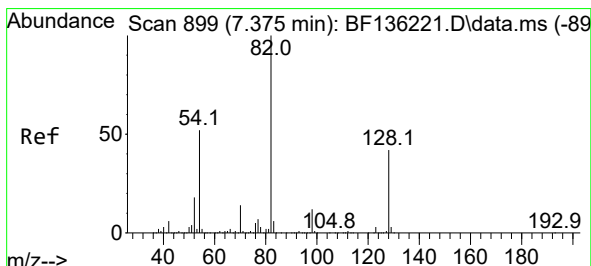
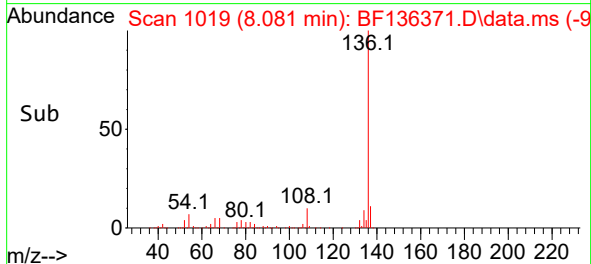
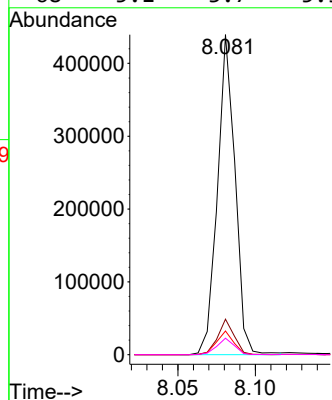
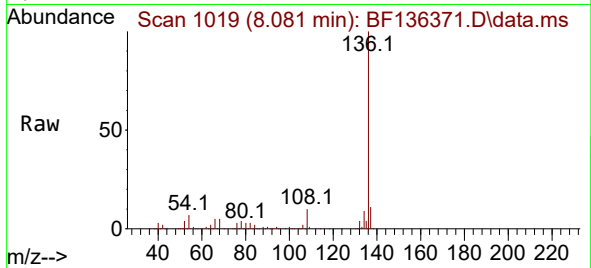




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

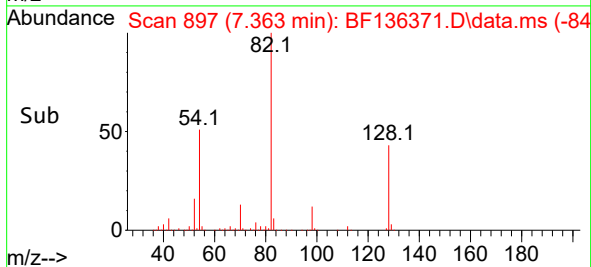
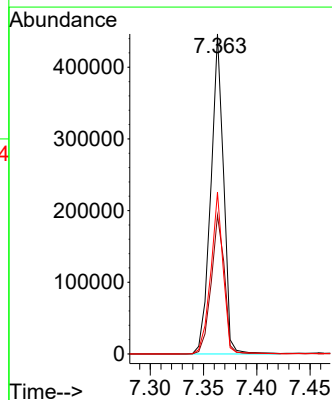
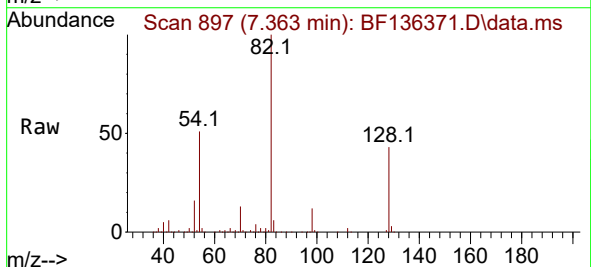
Instrument :
BNA_F
ClientSampleId :
COMP-7

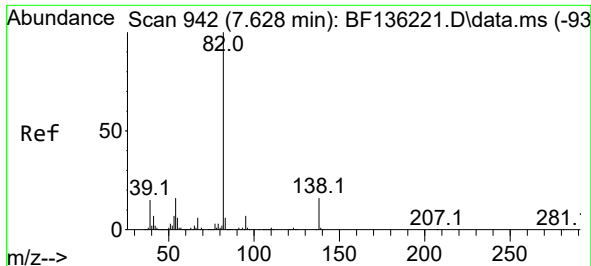
Tgt Ion:136 Resp: 347576
Ion Ratio Lower Upper
136 100
137 11.1 7.4 11.2
54 7.4 5.5 8.3
68 5.1 3.7 5.5



#23
Nitrobenzene-d5
Concen: 56.680 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

Tgt Ion: 82 Resp: 372812
Ion Ratio Lower Upper
82 100
128 43.4 33.4 50.2
54 50.5 41.7 62.5

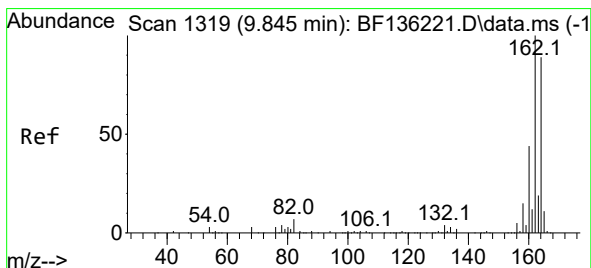
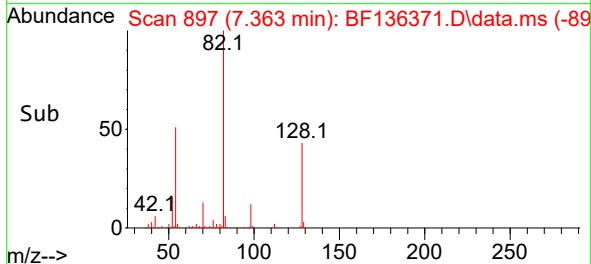
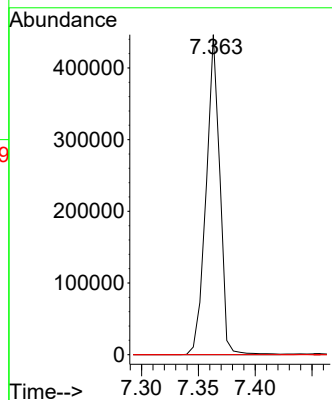
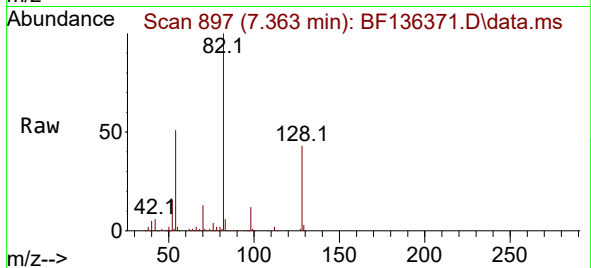




#25
Isophorone
Concen: 31.433 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.265 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

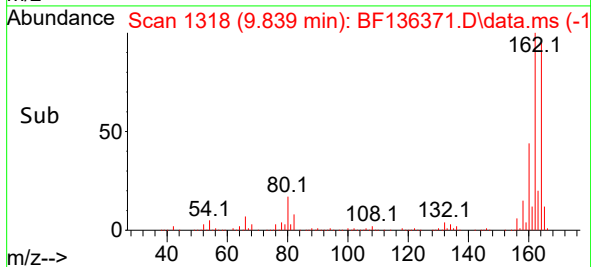
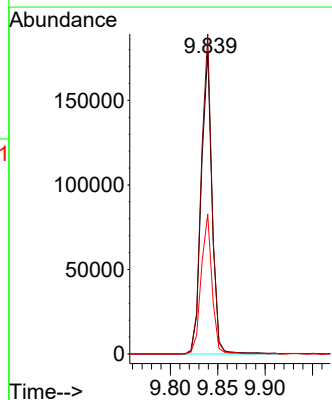
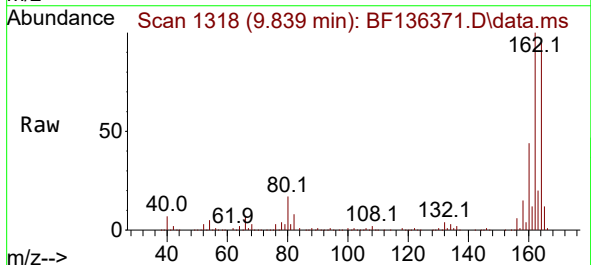
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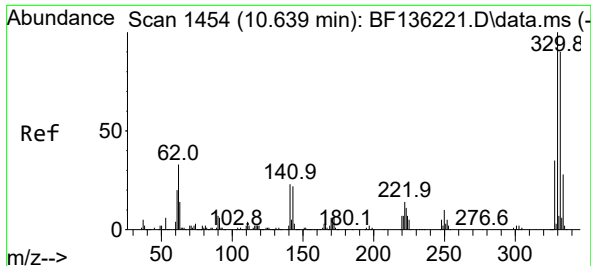
Tgt Ion: 82 Resp: 372803
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

Tgt Ion: 164 Resp: 141177
Ion Ratio Lower Upper
164 100
162 105.7 89.5 134.3
160 46.2 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 78.537 ng

RT: 10.628 min Scan# 1452

Delta R.T. -0.012 min

Lab File: BF136371.D

Acq: 02 Dec 2023 10:28

Instrument :

BNA_F

ClientSampleId :

COMP-7

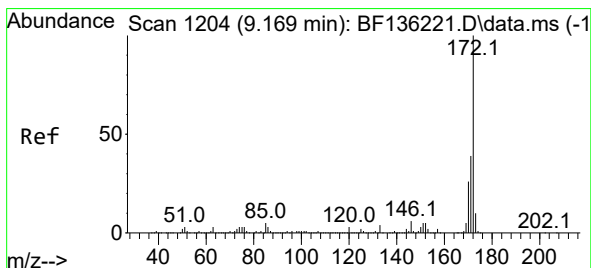
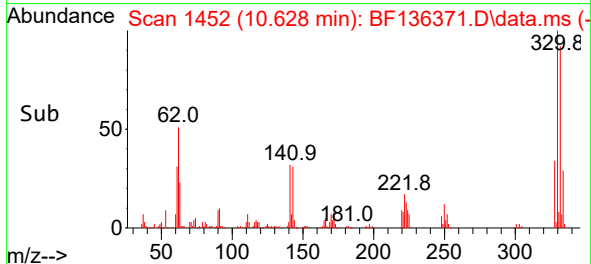
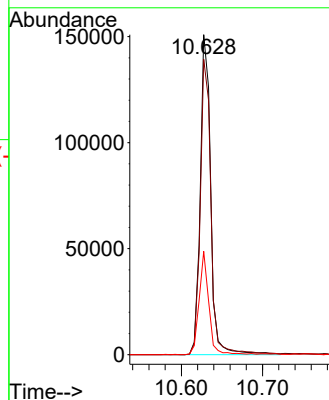
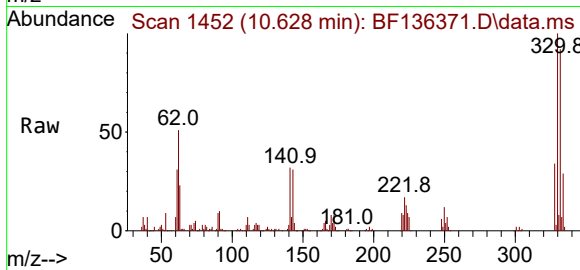
Tgt Ion:330 Resp: 135555

Ion Ratio Lower Upper

330 100

332 94.7 73.0 109.6

141 29.9 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 56.373 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.012 min

Lab File: BF136371.D

Acq: 02 Dec 2023 10:28

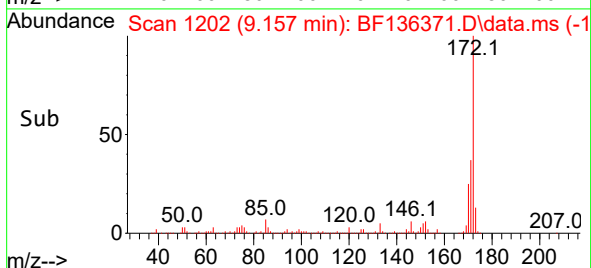
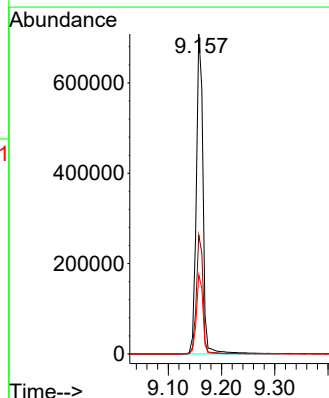
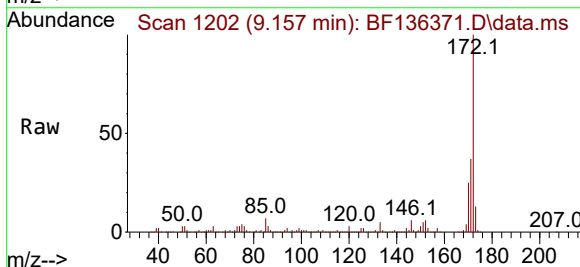
Tgt Ion:172 Resp: 623074

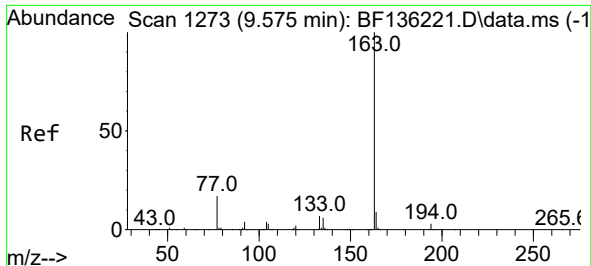
Ion Ratio Lower Upper

172 100

171 37.1 31.5 47.3

170 24.7 20.8 31.2

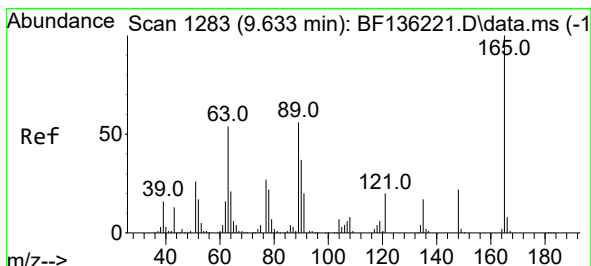
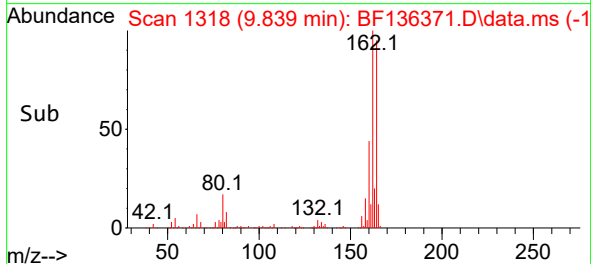
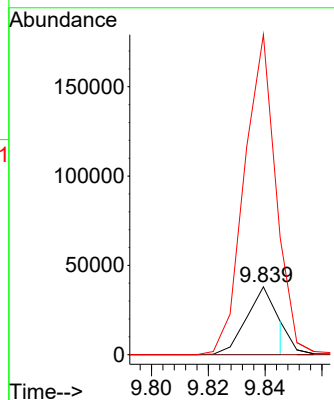
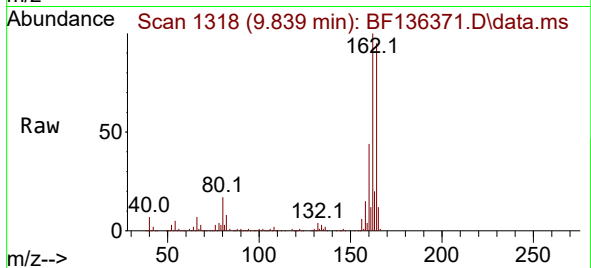




#50
Dimethylphthalate
Concen: 2.715 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.265 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

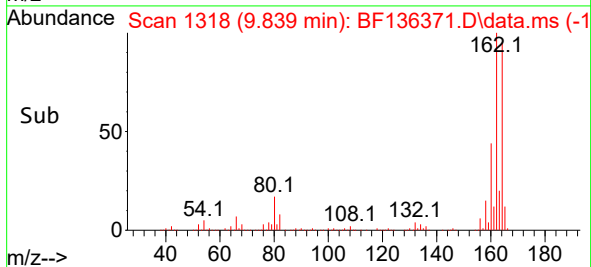
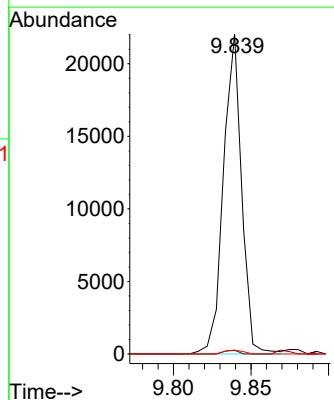
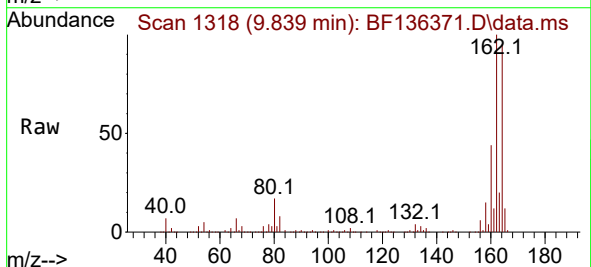
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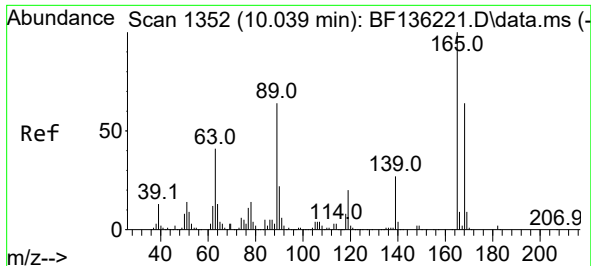
Tgt Ion:163 Resp: 28969
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 471.8 7.0 10.6#



#51
2,6-Dinitrotoluene
Concen: 8.255 ng
RT: 9.839 min Scan# 1318
Delta R.T. 0.206 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

Tgt Ion:165 Resp: 17994
Ion Ratio Lower Upper
165 100
63 1.2 46.2 69.2#
89 1.2 44.9 67.3#

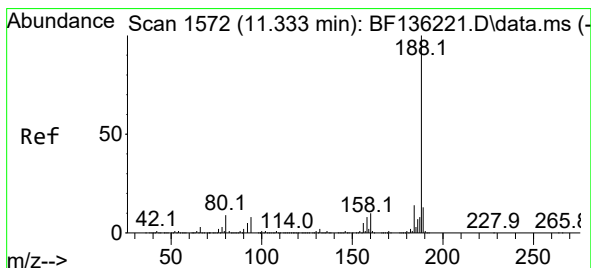
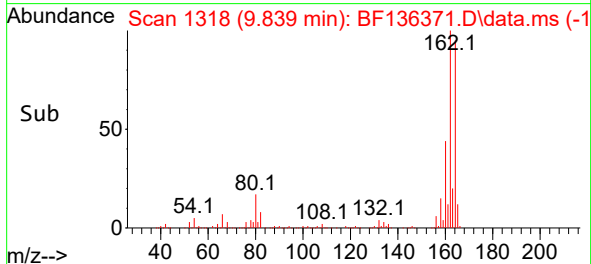
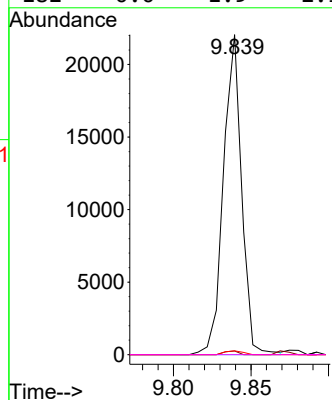
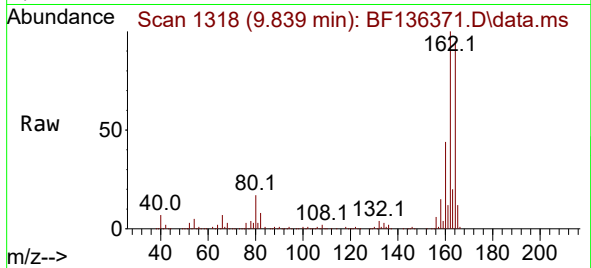




#57
2,4-Dinitrotoluene
Concen: 6.180 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

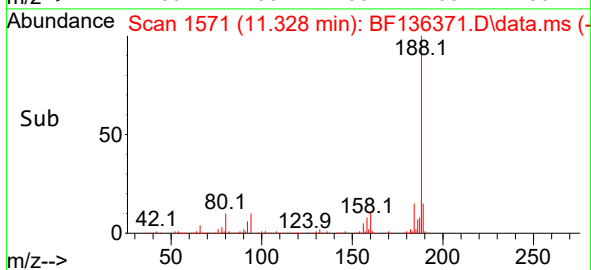
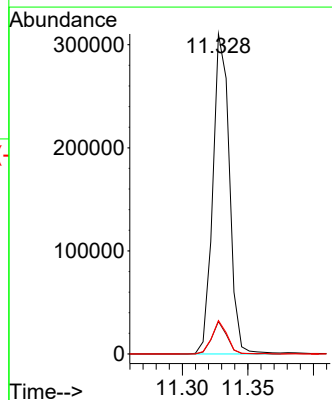
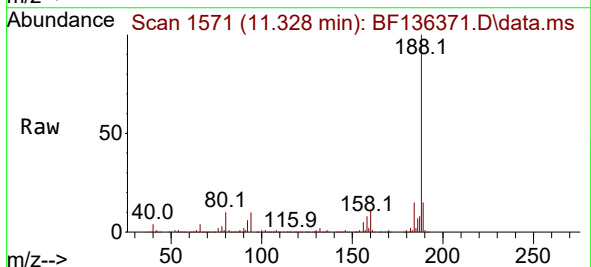
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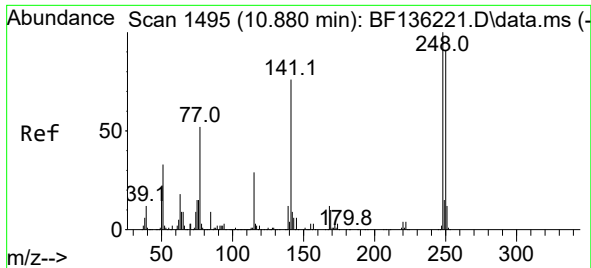
Tgt Ion:165 Resp: 17994
Ion Ratio Lower Upper
165 100
63 1.2 33.0 49.4#
89 1.2 51.5 77.3#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.005 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

Tgt Ion:188 Resp: 273449
Ion Ratio Lower Upper
188 100
94 10.2 6.7 10.1#
80 10.4 7.2 10.8

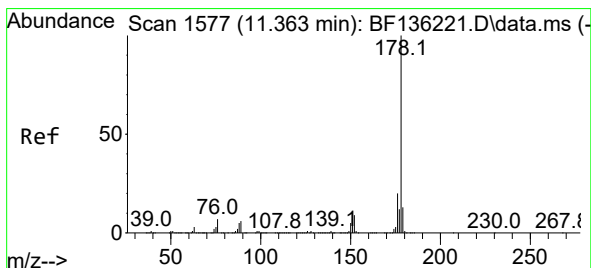
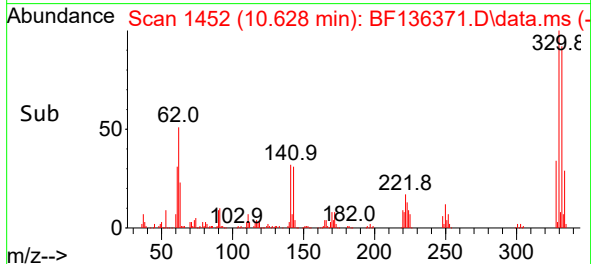
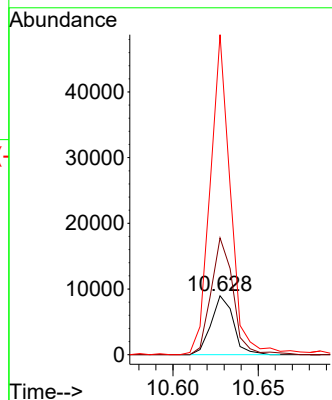
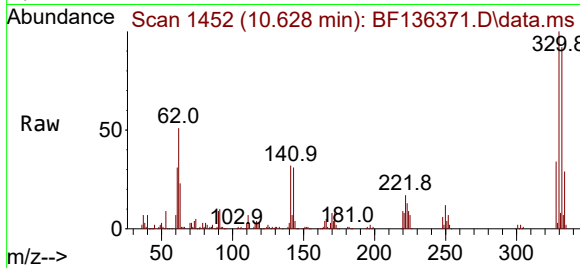




#67
4-Bromophenyl-phenylether
Concen: 2.549 ng
RT: 10.628 min Scan# 1495
Delta R.T. -0.253 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

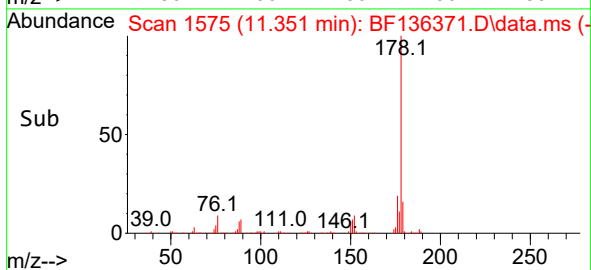
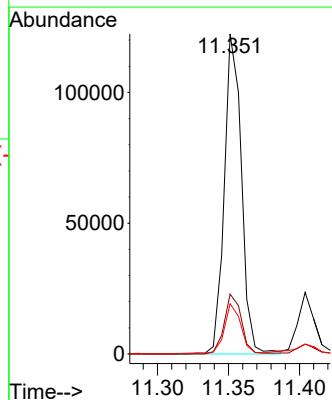
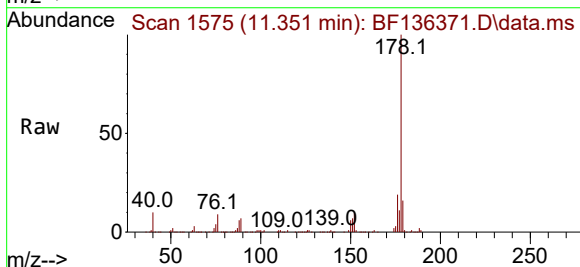
Instrument :
BNA_F
ClientSampleId :
COMP-7

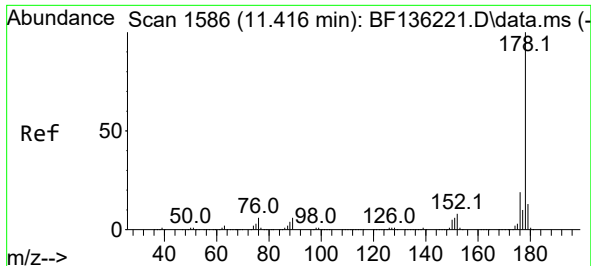
Tgt Ion:248 Resp: 8133
Ion Ratio Lower Upper
248 100
250 198.2 72.5 108.7#
141 542.8 60.8 91.2#



#71
Phenanthrene
Concen: 6.664 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

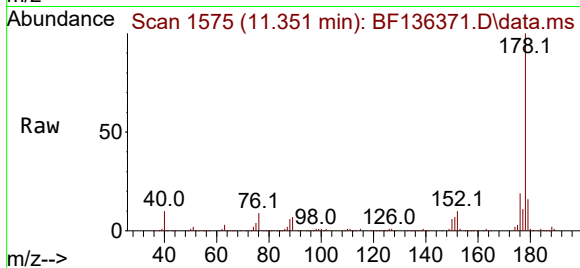
Tgt Ion:178 Resp: 102425
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.2
179 15.7 10.3 15.5#



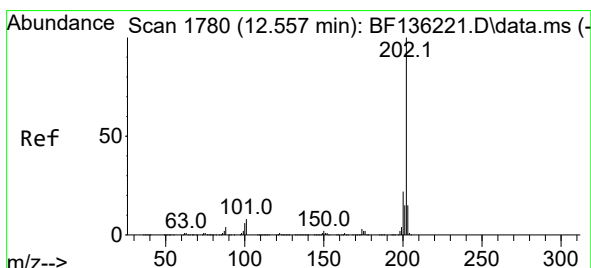
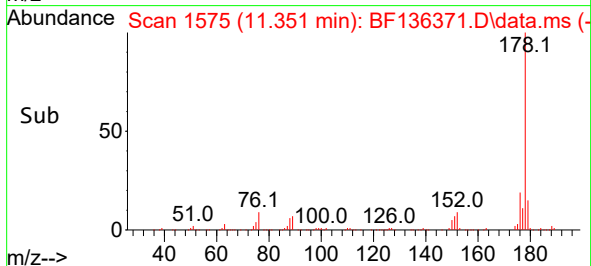
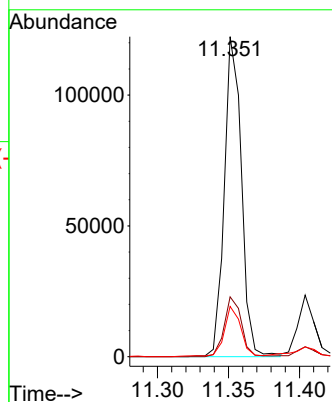


#72
 Anthracene
 Concen: 6.646 ng
 RT: 11.351 min Scan# 11779
 Delta R.T. -0.065 min
 Lab File: BF136371.D
 Acq: 02 Dec 2023 10:28

Instrument :
 BNA_F
 ClientSampleId :
 COMP-7

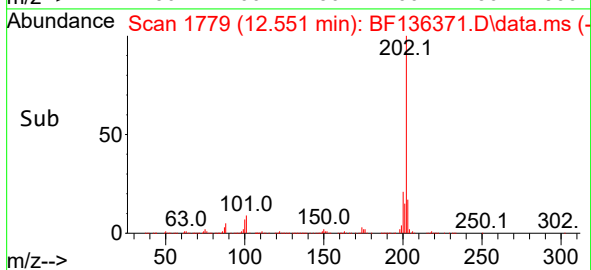
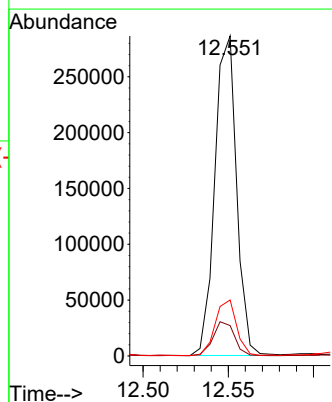
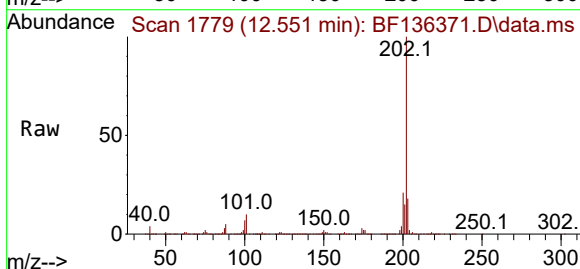


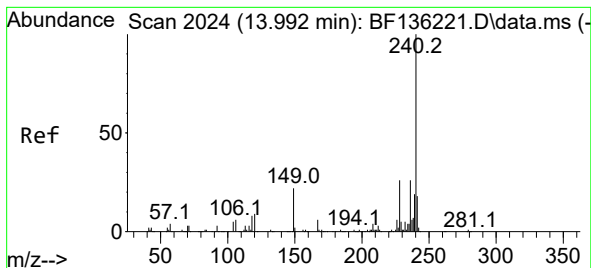
Tgt Ion:178 Resp: 102425
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.5 23.3
 179 15.7 10.5 15.7



#75
 Fluoranthene
 Concen: 16.261 ng
 RT: 12.551 min Scan# 1779
 Delta R.T. -0.006 min
 Lab File: BF136371.D
 Acq: 02 Dec 2023 10:28

Tgt Ion:202 Resp: 253704
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 27.8
 203 17.5 0.0 34.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136371.D

Acq: 02 Dec 2023 10:28

Instrument :

BNA_F

ClientSampleId :

COMP-7

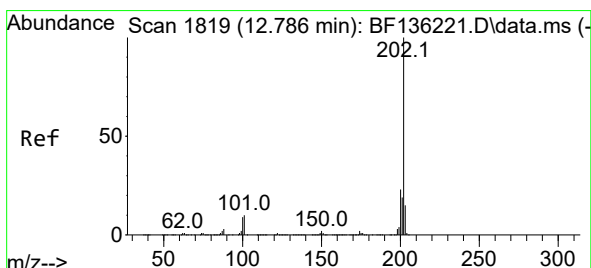
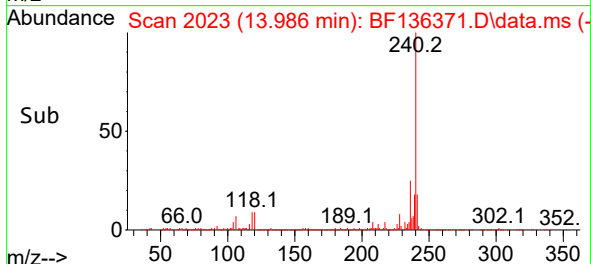
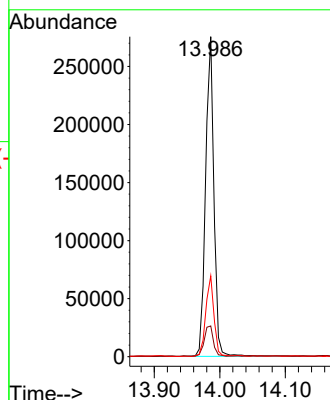
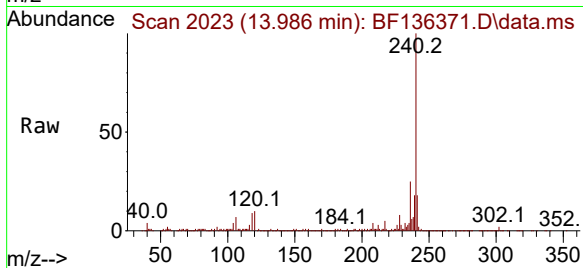
Tgt Ion:240 Resp: 243686

Ion Ratio Lower Upper

240 100

120 9.6 7.4 11.2

236 25.3 21.1 31.7



#78

Pyrene

Concen: 9.407 ng

RT: 12.780 min Scan# 1818

Delta R.T. -0.006 min

Lab File: BF136371.D

Acq: 02 Dec 2023 10:28

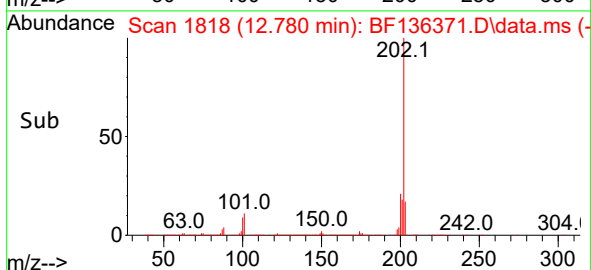
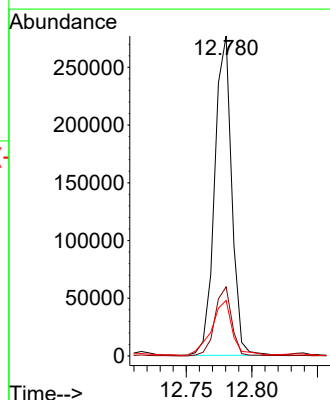
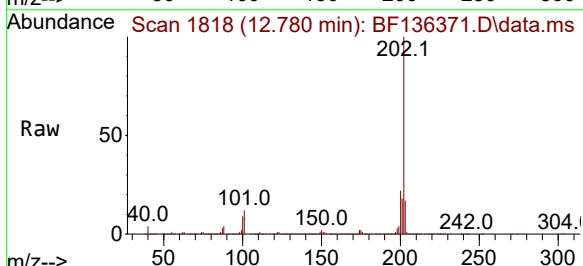
Tgt Ion:202 Resp: 251043

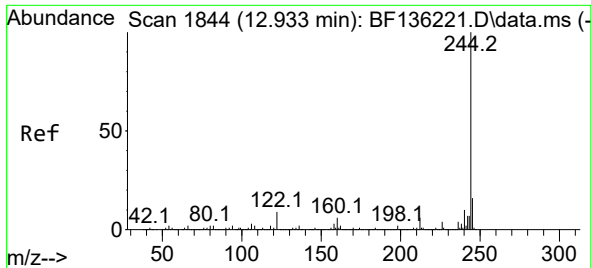
Ion Ratio Lower Upper

202 100

200 21.6 18.4 27.6

203 17.4 11.8 17.6

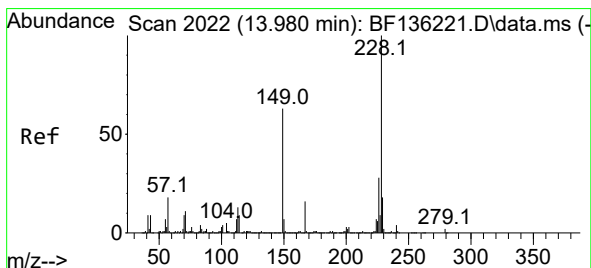
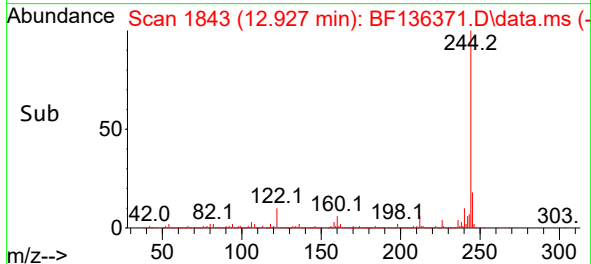
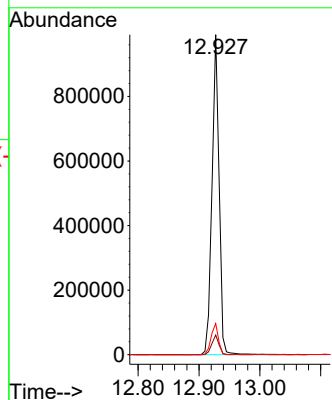
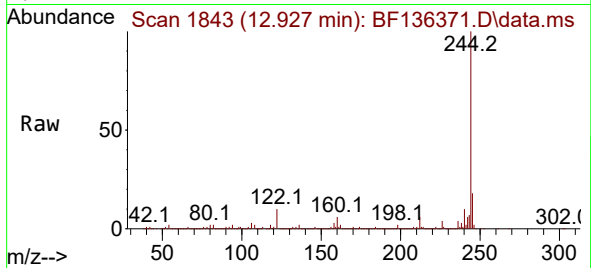




#79
 Terphenyl-d14
 Concen: 38.174 ng
 RT: 12.927 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF136371.D
 Acq: 02 Dec 2023 10:28

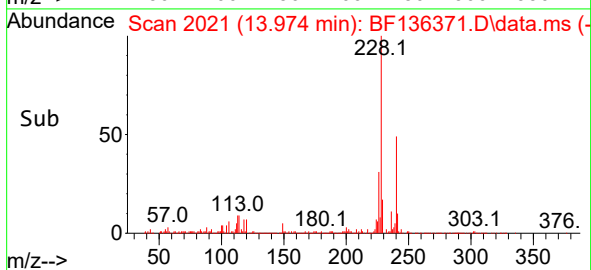
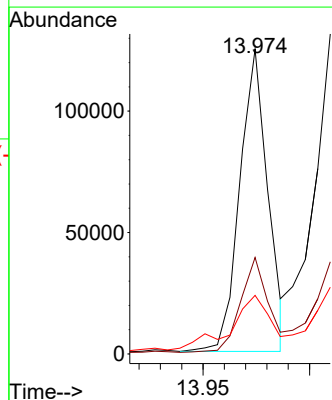
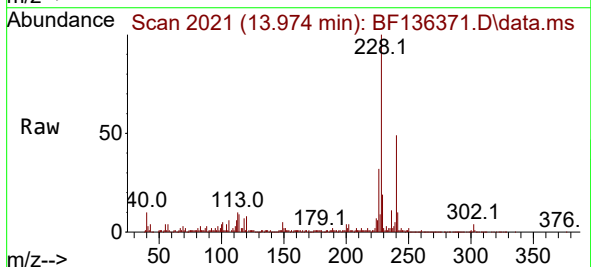
Instrument :
 BNA_F
 ClientSampleId :
 COMP-7

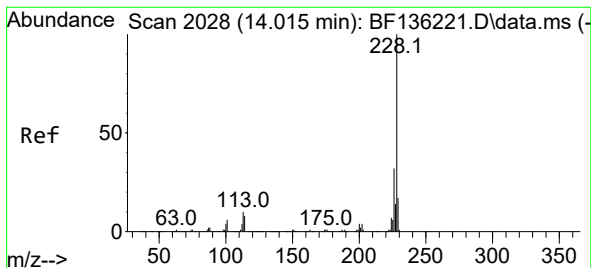
Tgt Ion:244 Resp: 806456
 Ion Ratio Lower Upper
 244 100
 212 6.1 4.6 7.0
 122 9.7 7.3 10.9



#81
 Benzo(a)anthracene
 Concen: 6.301 ng
 RT: 13.974 min Scan# 2021
 Delta R.T. -0.006 min
 Lab File: BF136371.D
 Acq: 02 Dec 2023 10:28

Tgt Ion:228 Resp: 114049
 Ion Ratio Lower Upper
 228 100
 226 31.7 22.6 34.0
 229 19.2 14.0 21.0





#83

Chrysene

Concen: 6.930 ng

RT: 14.010 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136371.D

Acq: 02 Dec 2023 10:28

Instrument :

BNA_F

ClientSampleId :

COMP-7

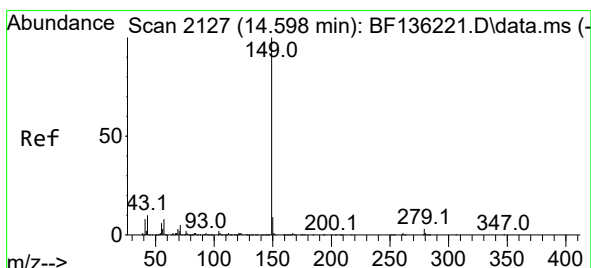
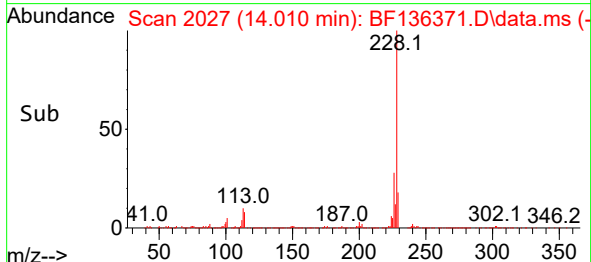
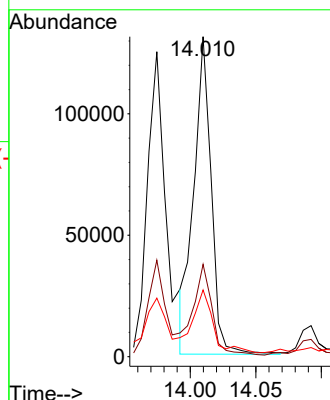
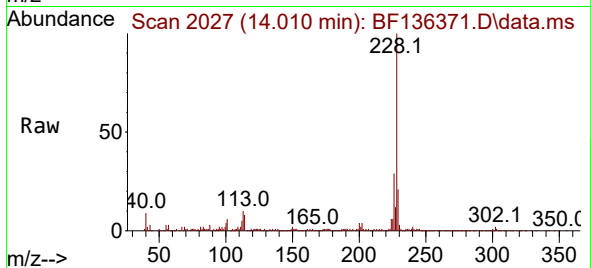
Tgt Ion:228 Resp: 121106

Ion Ratio Lower Upper

228 100

226 28.8 25.5 38.3

229 20.8 13.9 20.9



#85

Di-n-octyl phthalate

Concen: 5.176 ng

RT: 14.580 min Scan# 2124

Delta R.T. -0.018 min

Lab File: BF136371.D

Acq: 02 Dec 2023 10:28

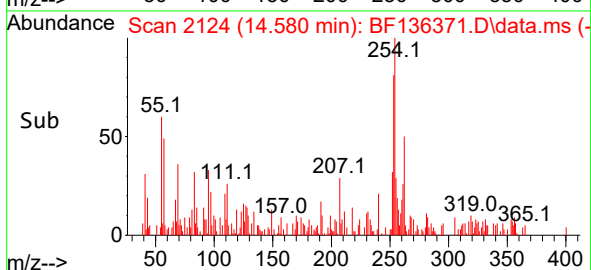
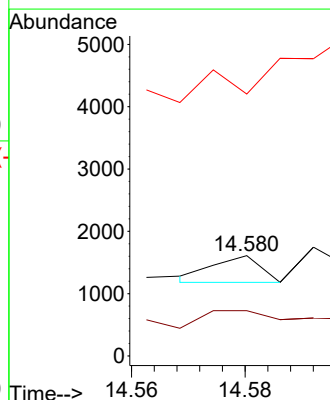
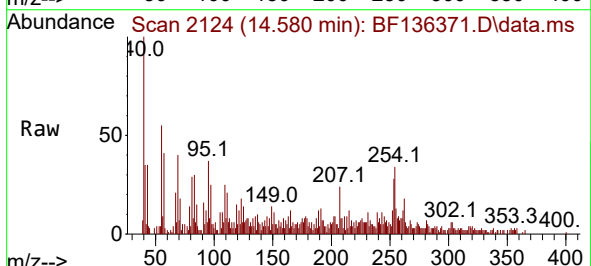
Tgt Ion:149 Resp: 248

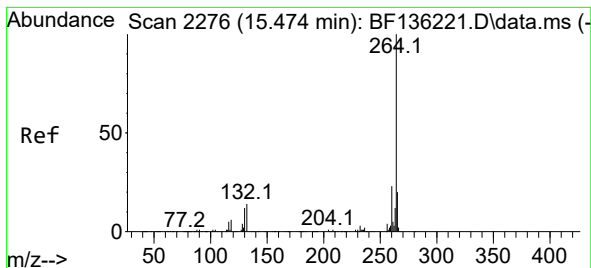
Ion Ratio Lower Upper

149 100

167 159.7 1.0 1.6#

43 0.0 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: BF136371.D

Acq: 02 Dec 2023 10:28

Instrument :

BNA_F

ClientSampleId :

COMP-7

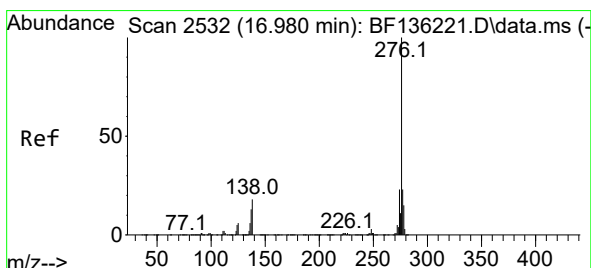
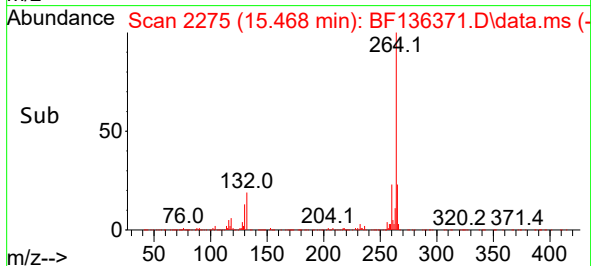
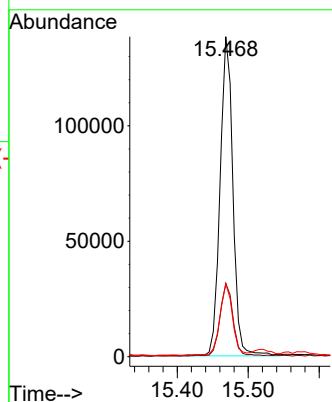
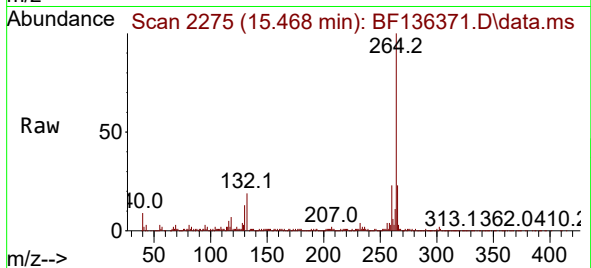
Tgt Ion:264 Resp: 172919

Ion Ratio Lower Upper

264 100

260 22.9 18.6 27.8

265 22.8 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.630 ng

RT: 16.968 min Scan# 2530

Delta R.T. -0.012 min

Lab File: BF136371.D

Acq: 02 Dec 2023 10:28

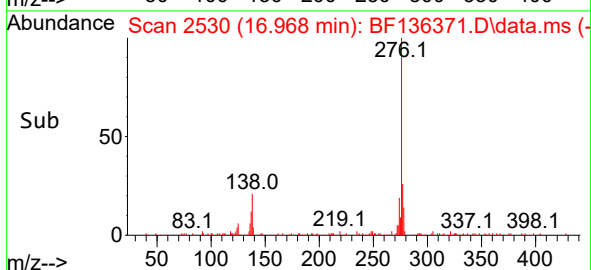
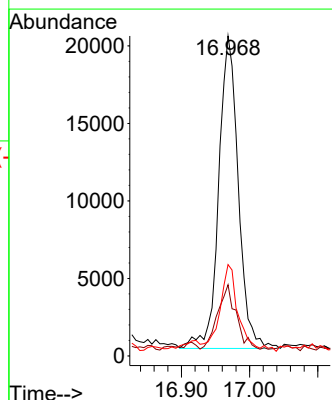
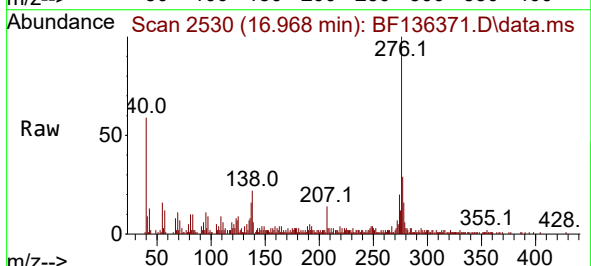
Tgt Ion:276 Resp: 40402

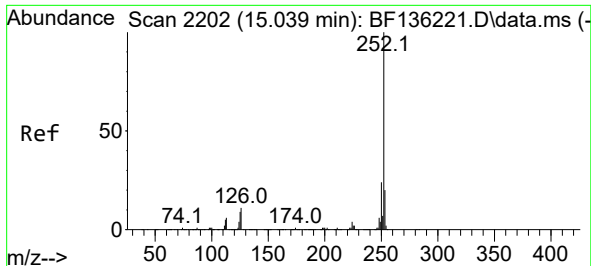
Ion Ratio Lower Upper

276 100

138 19.6 17.7 26.5

277 23.5 19.6 29.4

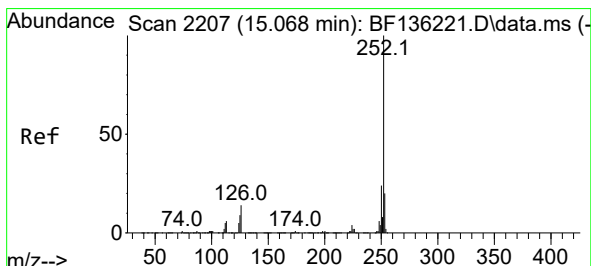
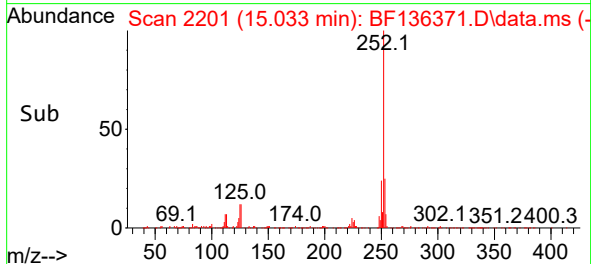
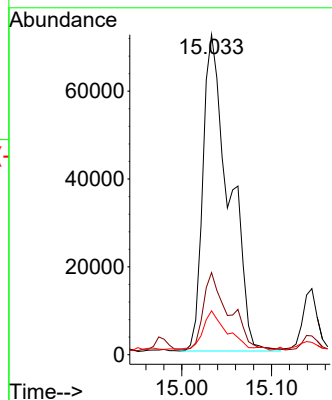
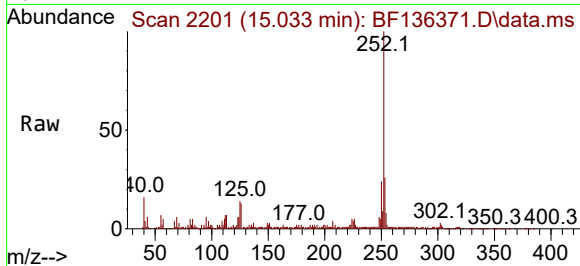




#88
Benzo(b)fluoranthene
Concen: 12.037 ng
RT: 15.033 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

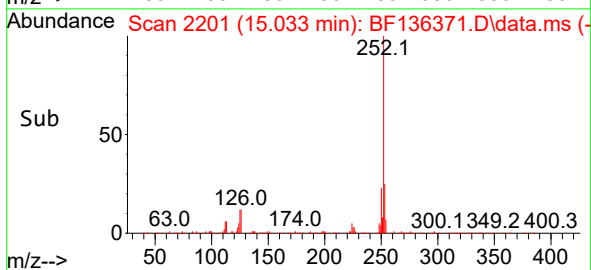
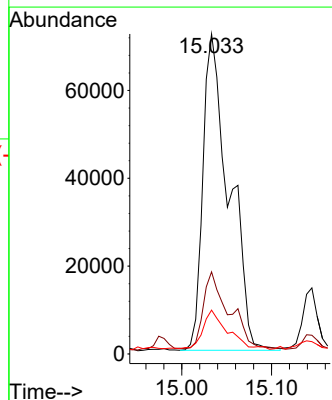
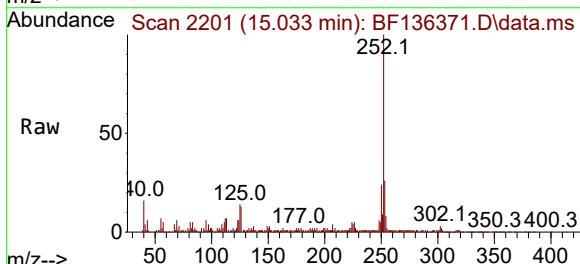
Instrument :
BNA_F
ClientSampleId :
COMP-7

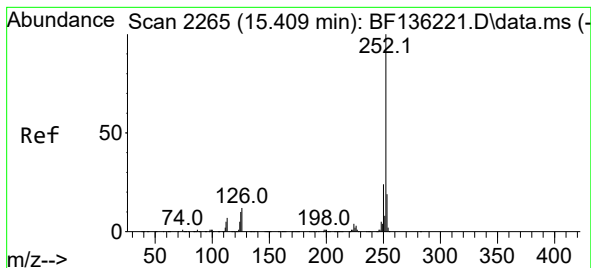
Tgt Ion:252 Resp: 146033
Ion Ratio Lower Upper
252 100
253 25.6 16.2 24.2#
125 13.7 6.9 10.3#



#89
Benzo(k)fluoranthene
Concen: 12.674 ng
RT: 15.033 min Scan# 2201
Delta R.T. -0.035 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

Tgt Ion:252 Resp: 146033
Ion Ratio Lower Upper
252 100
253 25.6 15.6 23.4#
125 13.7 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 6.809 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.005 min

Lab File: BF136371.D

Acq: 02 Dec 2023 10:28

Instrument :

BNA_F

ClientSampleId :

COMP-7

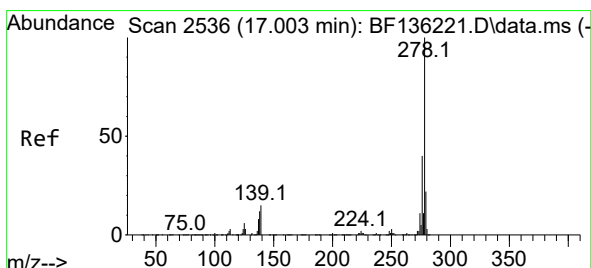
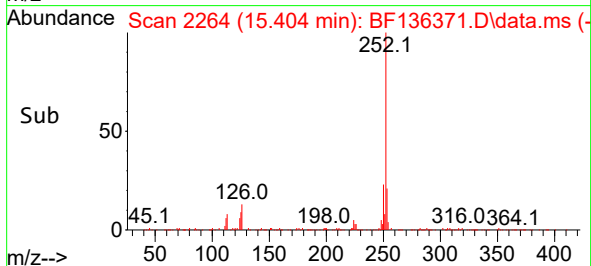
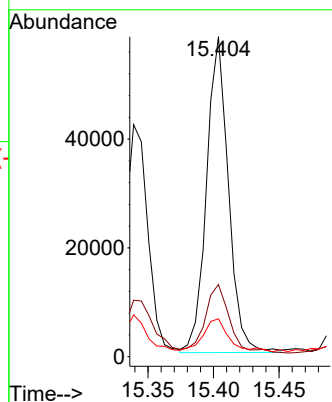
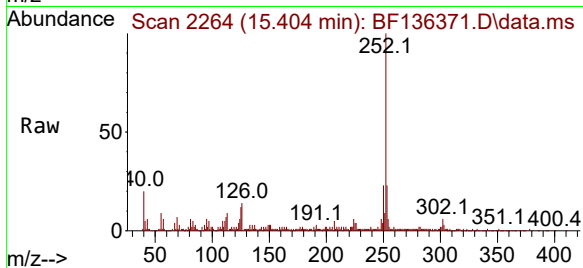
Tgt Ion:252 Resp: 67528

Ion Ratio Lower Upper

252 100

253 22.5 15.5 23.3

125 11.9 7.9 11.9



#91

Dibenzo(a,h)anthracene

Concen: 3.638 ng

RT: 16.980 min Scan# 2532

Delta R.T. -0.023 min

Lab File: BF136371.D

Acq: 02 Dec 2023 10:28

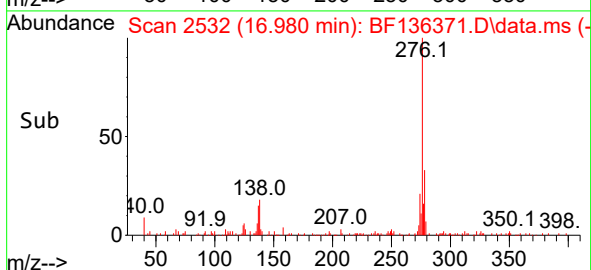
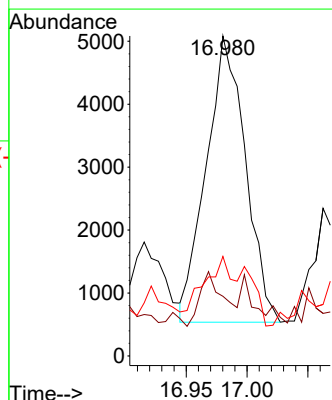
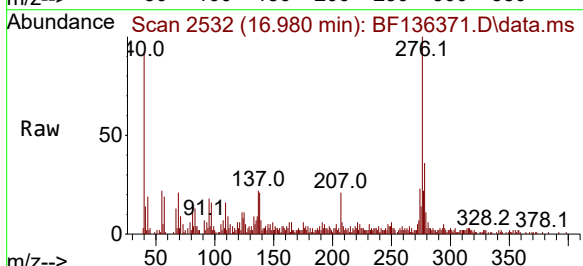
Tgt Ion:278 Resp: 10166

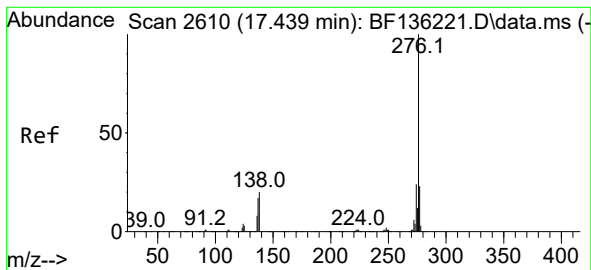
Ion Ratio Lower Upper

278 100

139 18.7 11.7 17.5#

279 31.1 17.8 26.8#





#92

Benzo(g,h,i)perylene

Concen: 5.573 ng

RT: 17.427 min Scan# 2

Delta R.T. -0.012 min

Lab File: BF136371.D

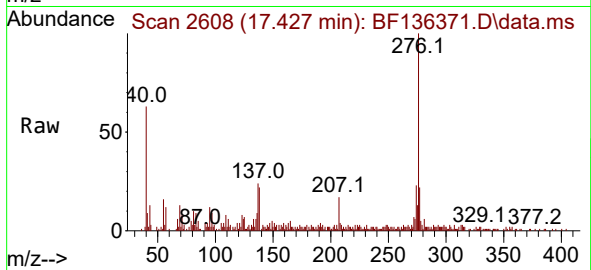
Acq: 02 Dec 2023 10:28

Instrument :

BNA_F

ClientSampleId :

COMP-7



Tgt Ion: 276 Resp: 39803

Ion Ratio Lower Upper

276 100

277 21.6 18.6 27.8

138 22.1 15.8 23.8

