

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112823\
 Data File : BF136264.D
 Acq On : 28 Nov 2023 23:13
 Operator : CG\JU
 Sample : 05517-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-D

Quant Time: Nov 29 00:51:30 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)

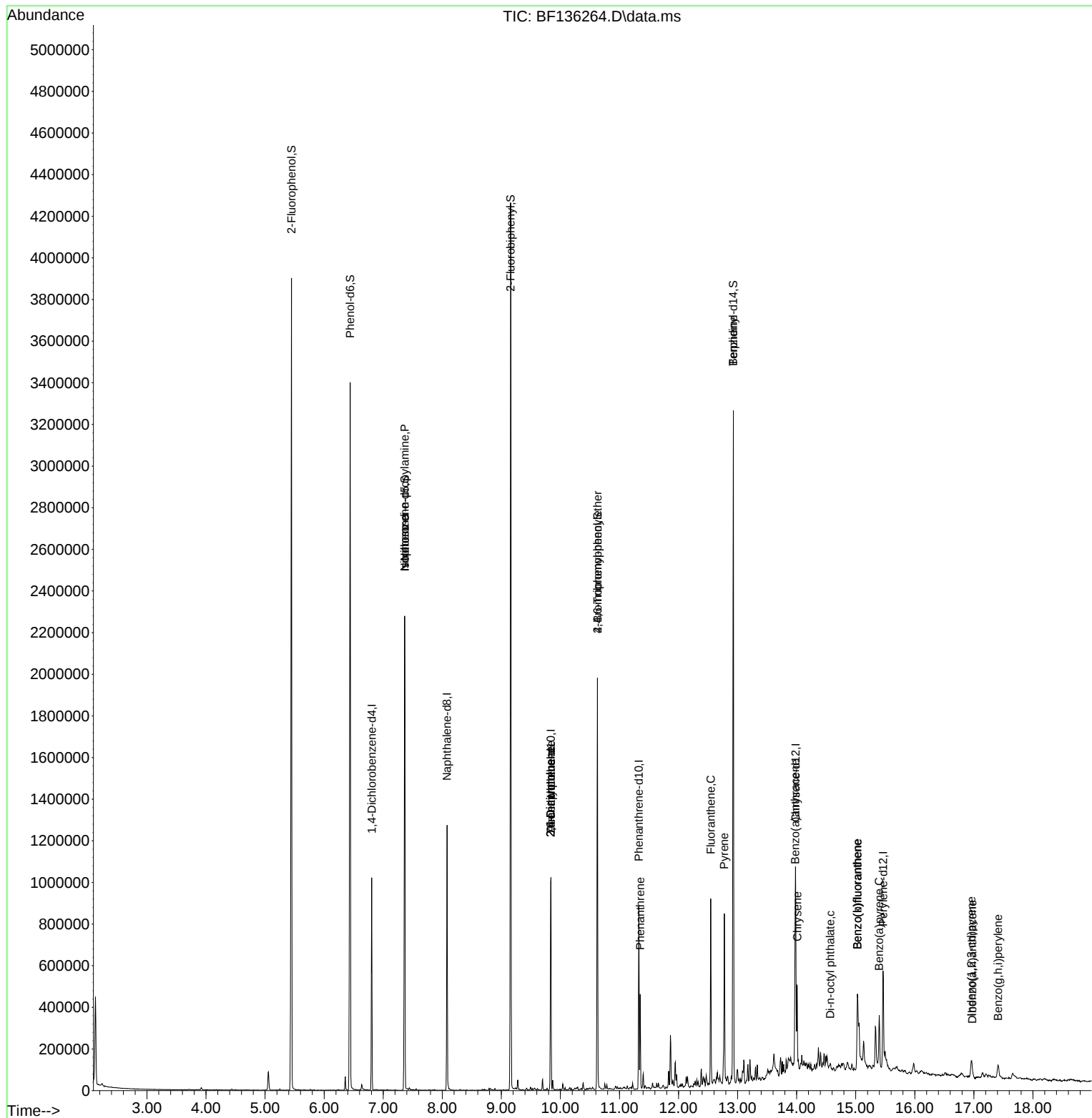
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	129378	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	503797	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	208076	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	292308	20.000	ng	0.00
76) Chrysene-d12	13.980	240	263961	20.000	ng	-0.01
86) Perylene-d12	15.463	264	224658	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	1025724	110.347	ng	0.00
7) Phenol-d6	6.440	99	1237401	106.464	ng	0.00
23) Nitrobenzene-d5	7.363	82	757486	79.453	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	227145	89.290	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1365556	83.827	ng	-0.01
79) Terphenyl-d14	12.928	244	1088101	47.549	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	101253	14.566	ng	# 75
25) Isophorone	7.363	82	757478	44.063	ng	# 68
50) Dimethylphthalate	9.839	163	43890	2.791	ng	# 1
51) 2,6-Dinitrotoluene	9.834	165	25985	8.088	ng	# 25
57) 2,4-Dinitrotoluene	9.834	165	25985	6.055	ng	# 28
67) 4-Bromophenyl-phenylether	10.628	248	12883	3.778	ng	# 1
71) Phenanthrene	11.351	178	145764	8.872	ng	98
75) Fluoranthene	12.545	202	318805	19.115	ng	95
77) Benzidine	12.928	184	12432	2.865	ng	# 94
78) Pyrene	12.775	202	306949	10.618	ng	98
81) Benzo(a)anthracene	13.974	228	171898	8.768	ng	93
83) Chrysene	14.010	228	178303	9.419	ng	95
85) Di-n-octyl phthalate	14.569	149	443	5.185	ng	# 65
87) Indeno(1,2,3-cd)pyrene	16.957	276	56423	5.852	ng	98
88) Benzo(b)fluoranthene	15.027	252	258710	16.414	ng	96
89) Benzo(k)fluoranthene	15.027	252	258710	17.282	ng	95
90) Benzo(a)pyrene	15.398	252	115812	8.988	ng	95
91) Dibenzo(a,h)anthracene	16.974	278	13906	3.687	ng	# 92
92) Benzo(g,h,i)perylene	17.410	276	54613	5.779	ng	98

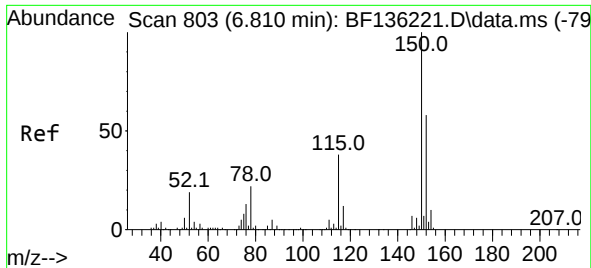
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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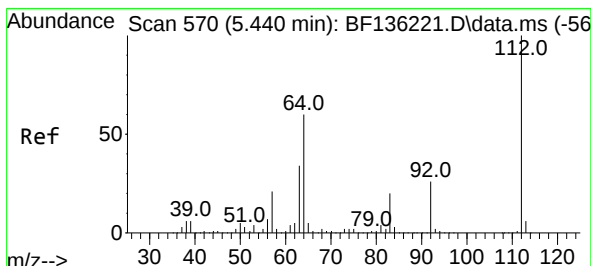
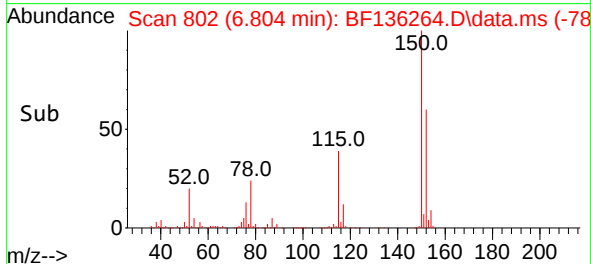
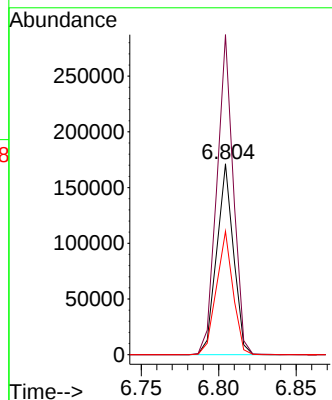
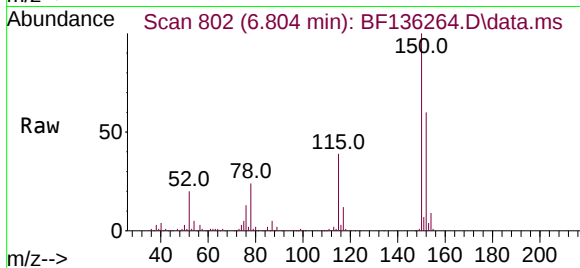




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

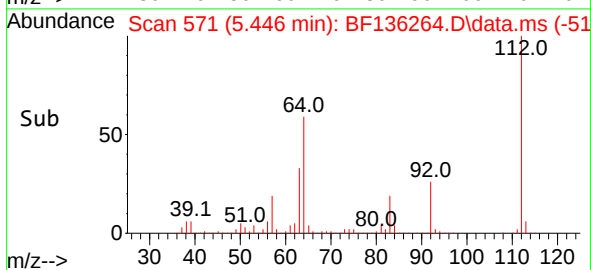
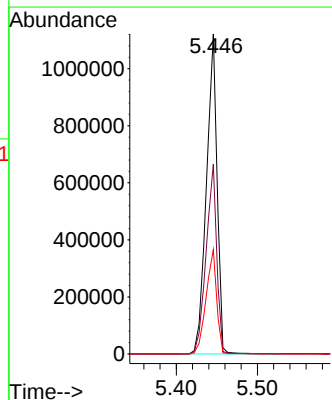
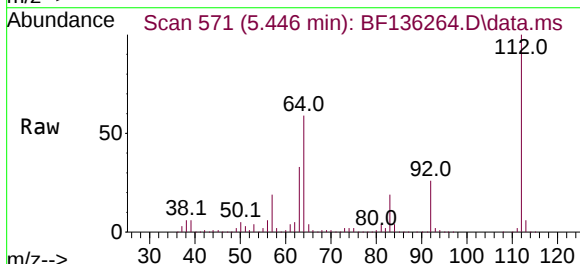
Instrument :
BNA_F
ClientSampleId :
TP-D

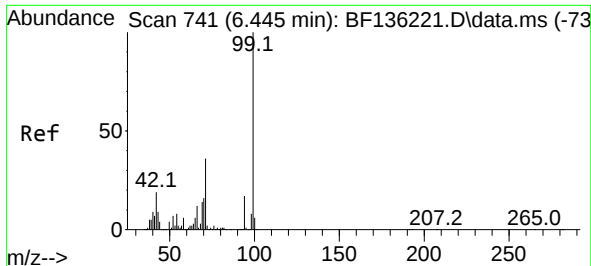
Tgt Ion:152 Resp: 129378
Ion Ratio Lower Upper
152 100
150 167.6 137.8 206.8
115 64.6 52.7 79.1



#5
2-Fluorophenol
Concen: 110.347 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

Tgt Ion:112 Resp: 1025724
Ion Ratio Lower Upper
112 100
64 59.2 48.2 72.4
63 32.6 27.0 40.6

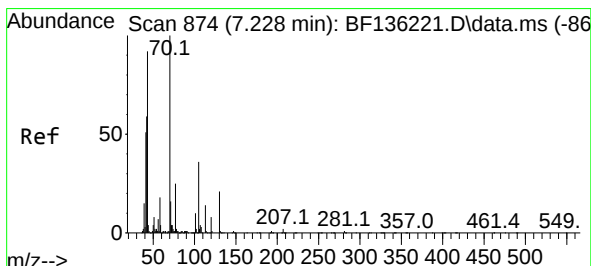
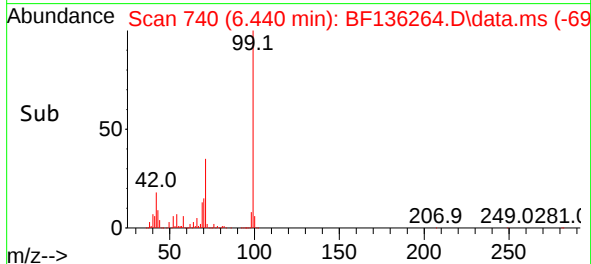
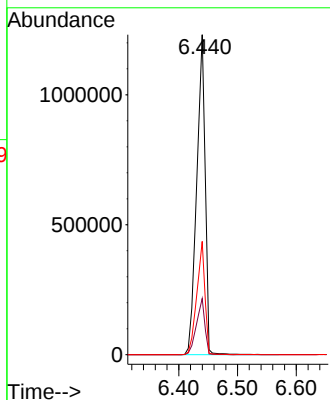
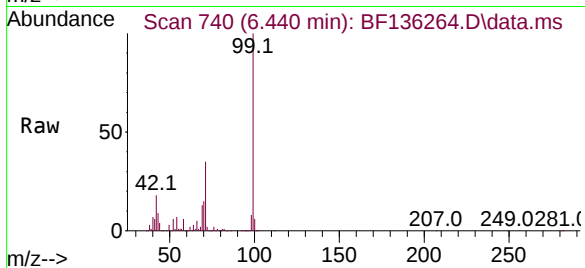




#7
Phenol-d6
Concen: 106.464 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

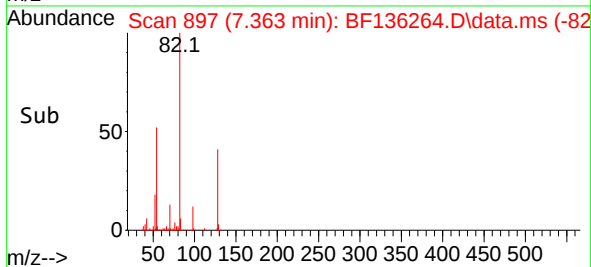
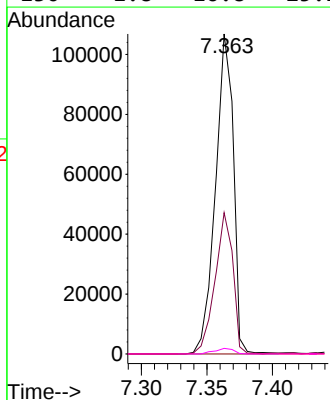
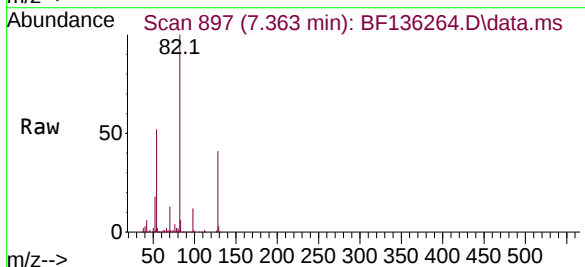
Instrument :
BNA_F
ClientSampleId :
TP-D

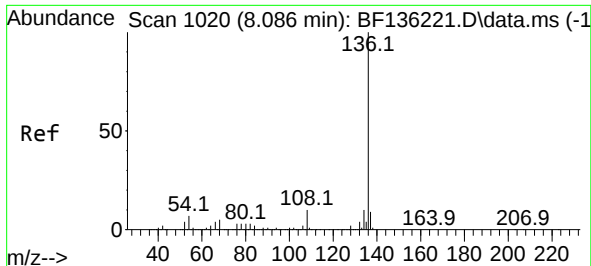
Tgt Ion: 99 Resp: 1237401
Ion Ratio Lower Upper
99 100
42 17.5 15.0 22.6
71 35.4 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 14.566 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.136 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

Tgt Ion: 70 Resp: 101253
Ion Ratio Lower Upper
70 100
42 44.2 47.0 70.4#
101 0.0 7.8 11.8#
130 1.8 16.8 25.2#

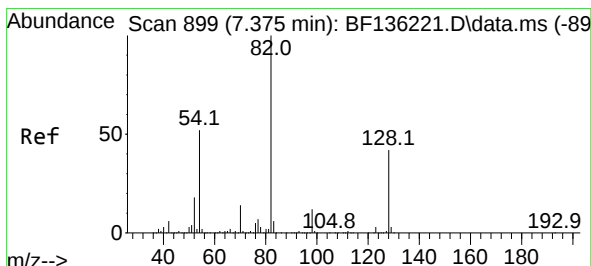
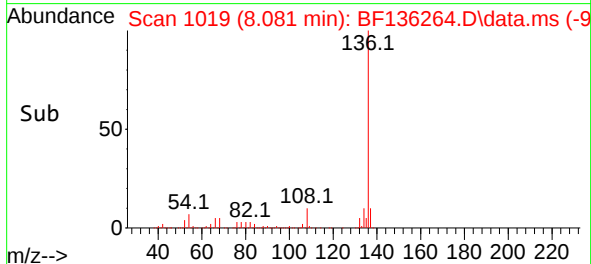
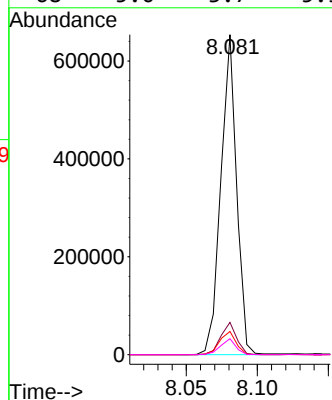
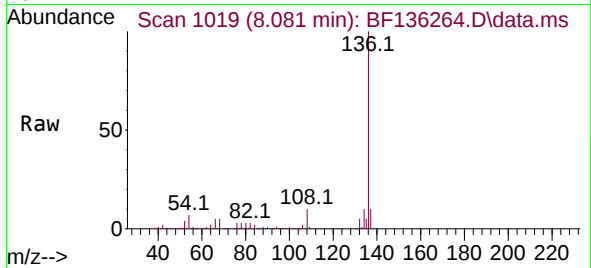




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

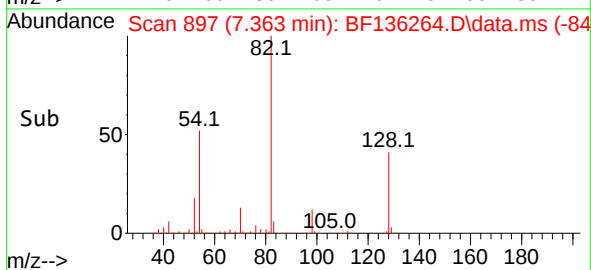
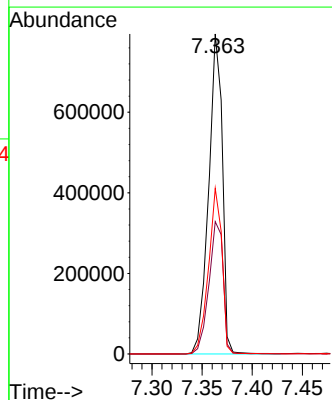
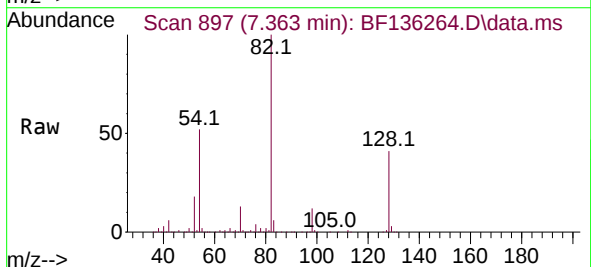
Instrument :
BNA_F
ClientSampleId :
TP-D

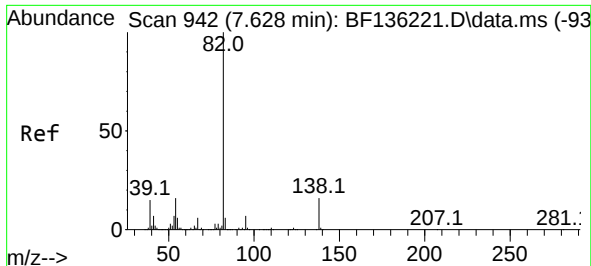
Tgt Ion:136 Resp: 503797
Ion Ratio Lower Upper
136 100
137 10.1 7.4 11.2
54 7.2 5.5 8.3
68 5.0 3.7 5.5



#23
Nitrobenzene-d5
Concen: 79.453 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

Tgt Ion: 82 Resp: 757486
Ion Ratio Lower Upper
82 100
128 41.4 33.4 50.2
54 51.8 41.7 62.5

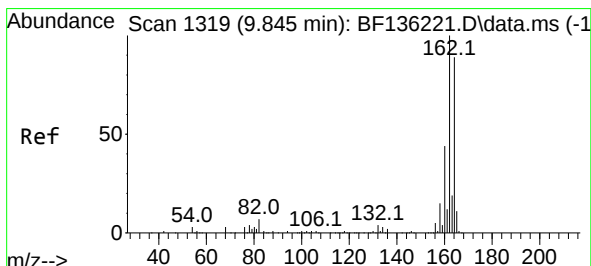
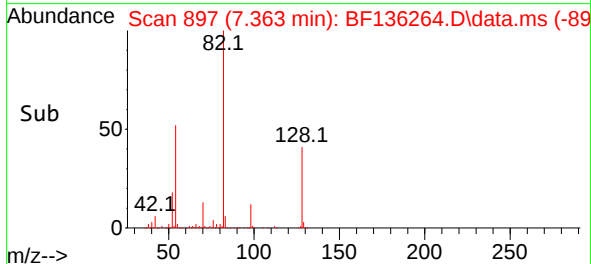
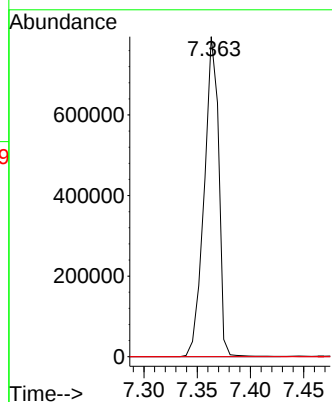
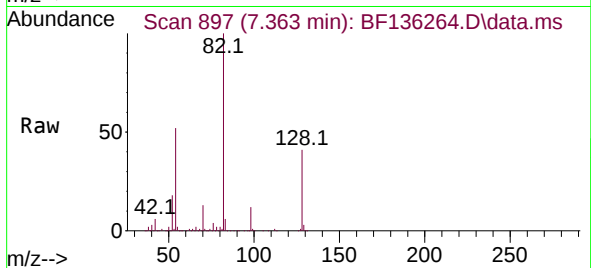




#25
Isophorone
Concen: 44.063 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.264 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

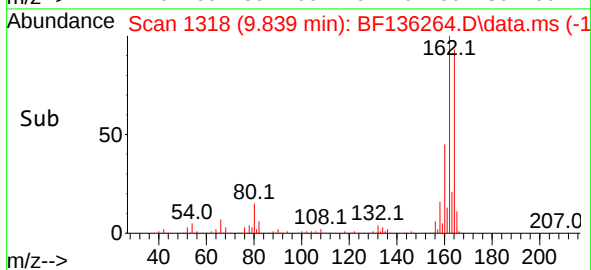
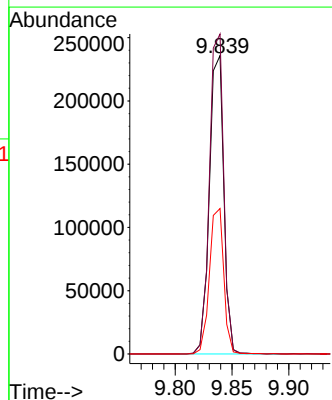
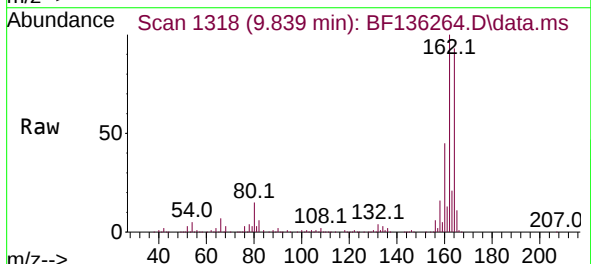
Instrument :
BNA_F
ClientSampleId :
TP-D

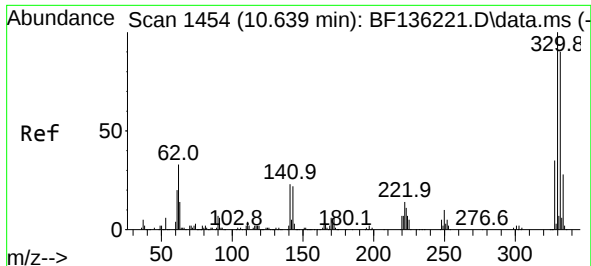
Tgt Ion: 82 Resp: 757478
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.8 19.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

Tgt Ion: 164 Resp: 208076
Ion Ratio Lower Upper
164 100
162 107.2 89.5 134.3
160 48.8 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 89.290 ng

RT: 10.628 min Scan# 1454

Delta R.T. -0.012 min

Lab File: BF136264.D

Acq: 28 Nov 2023 23:13

Instrument :

BNA_F

ClientSampleId :

TP-D

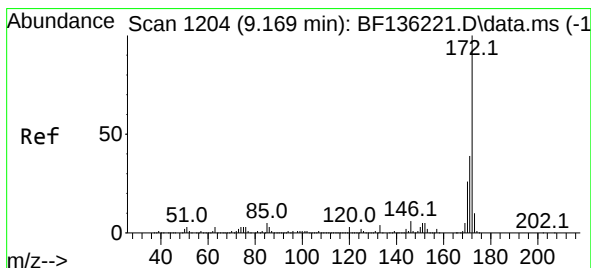
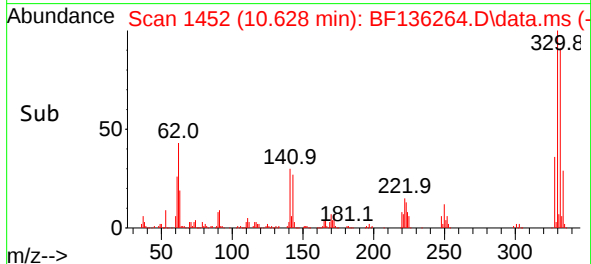
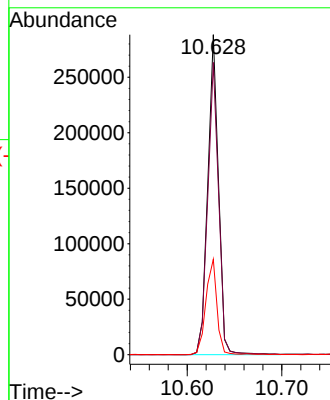
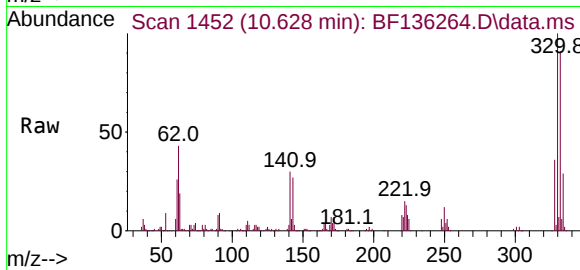
Tgt Ion:330 Resp: 227145

Ion Ratio Lower Upper

330 100

332 93.3 73.0 109.6

141 31.2 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 83.827 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.012 min

Lab File: BF136264.D

Acq: 28 Nov 2023 23:13

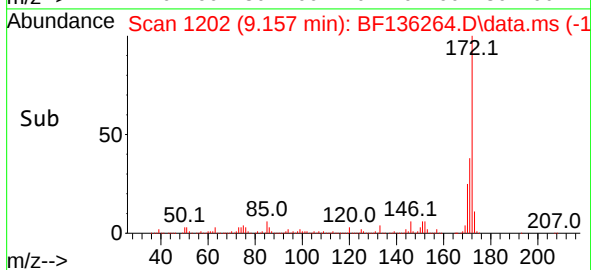
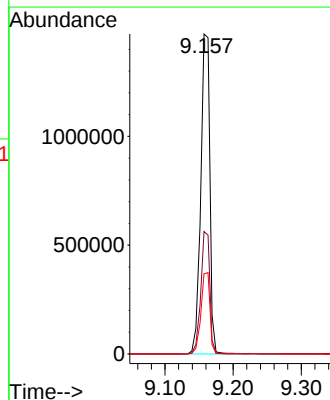
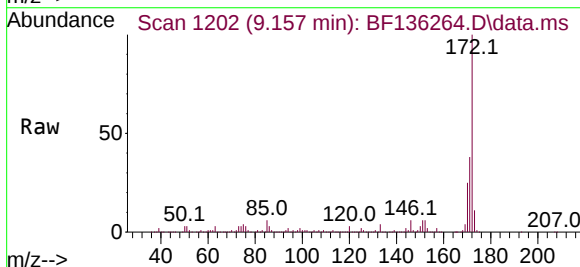
Tgt Ion:172 Resp: 1365556

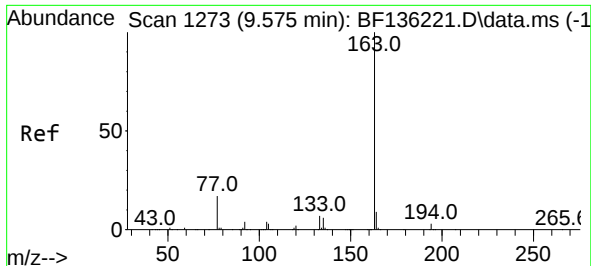
Ion Ratio Lower Upper

172 100

171 38.3 31.5 47.3

170 25.1 20.8 31.2

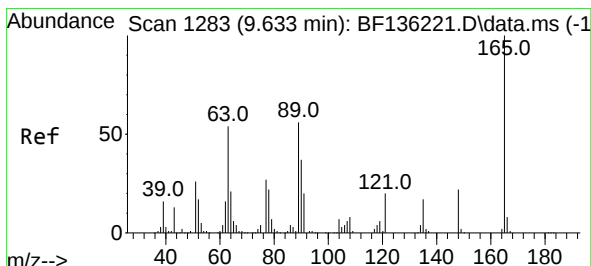
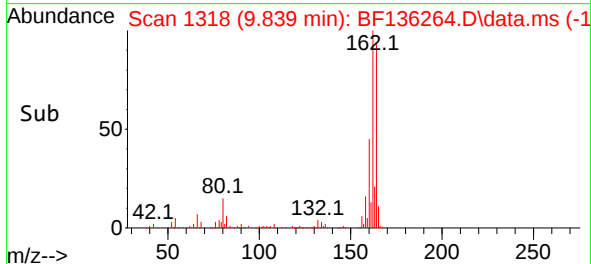
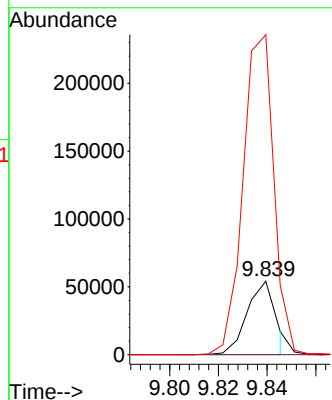
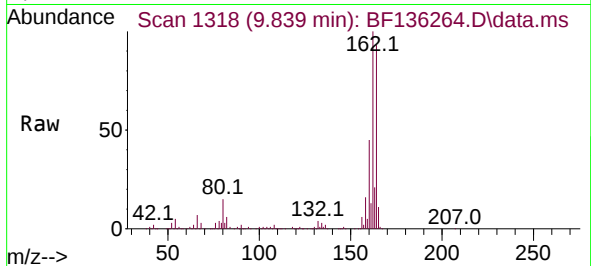




#50
Dimethylphthalate
Concen: 2.791 ng
RT: 9.839 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

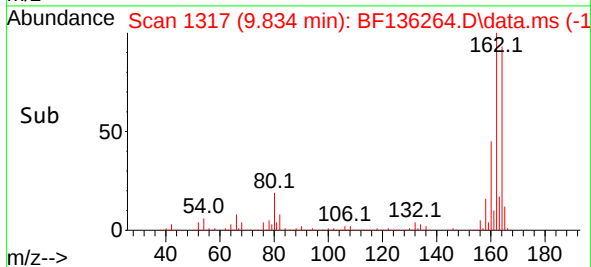
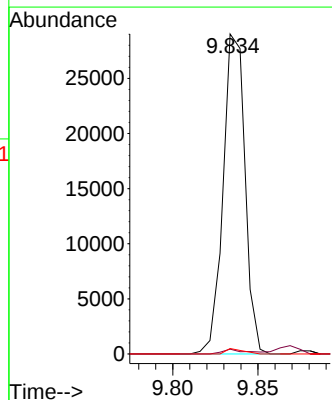
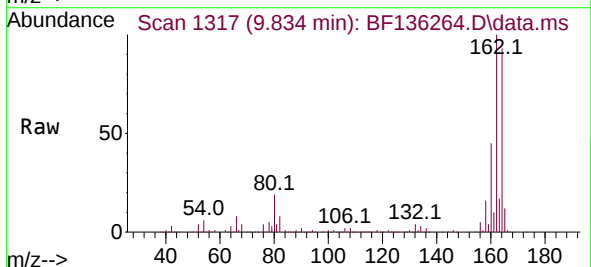
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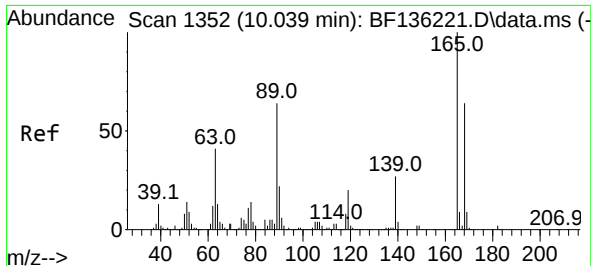
Tgt Ion:163 Resp: 43890
Ion Ratio Lower Upper
163 100
194 0.0 2.5 3.7#
164 435.3 7.0 10.6#



#51
2,6-Dinitrotoluene
Concen: 8.088 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.200 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

Tgt Ion:165 Resp: 25985
Ion Ratio Lower Upper
165 100
63 1.5 46.2 69.2#
89 1.7 44.9 67.3#

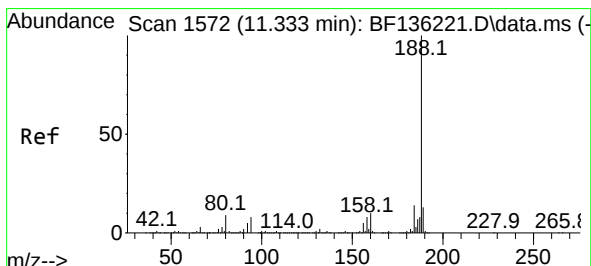
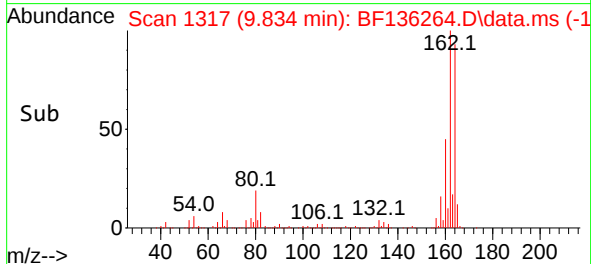
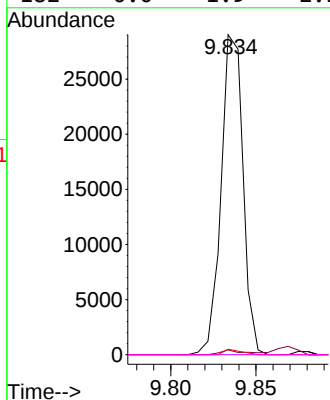
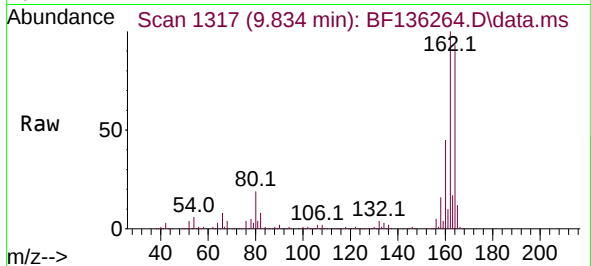




#57
2,4-Dinitrotoluene
Concen: 6.055 ng
RT: 9.834 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

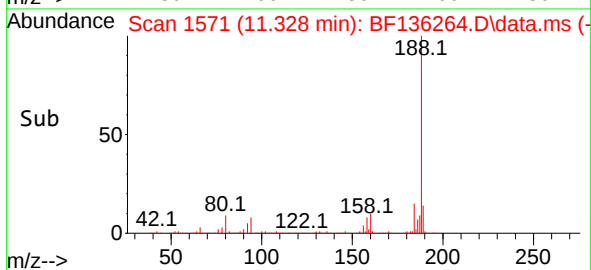
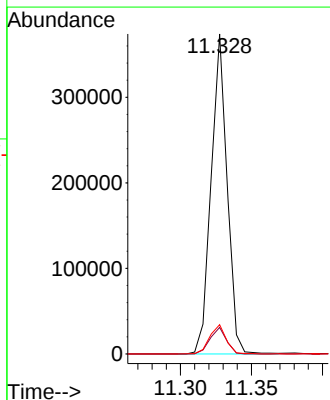
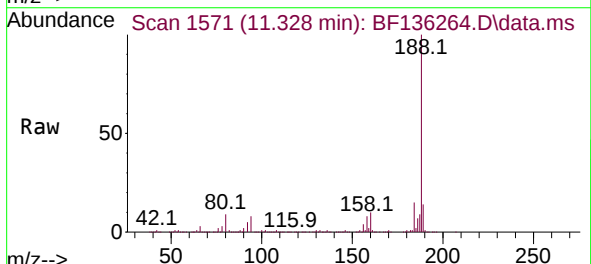
Instrument :
BNA_F
ClientSampleId :
TP-D

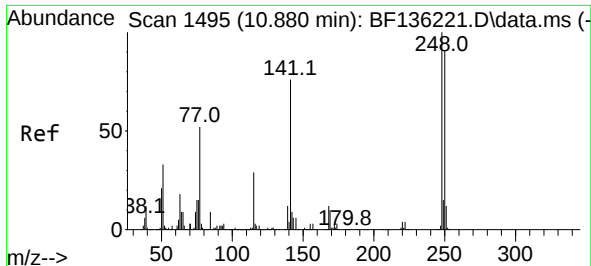
Tgt Ion:165	Resp:	25985
Ion Ratio	Lower	Upper
165	100	
63	1.5	33.0 49.4#
89	1.7	51.5 77.3#
182	0.0	1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.005 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

Tgt Ion:188	Resp:	292308
Ion Ratio	Lower	Upper
188	100	
94	8.3	6.7 10.1
80	9.1	7.2 10.8

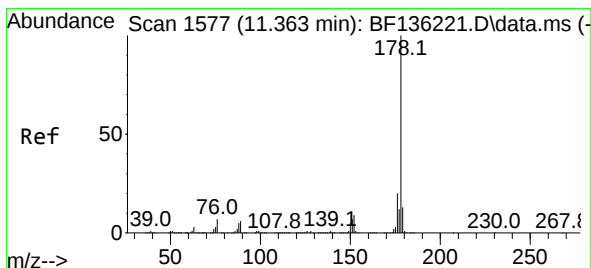
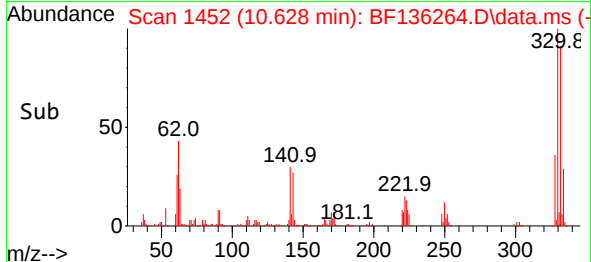
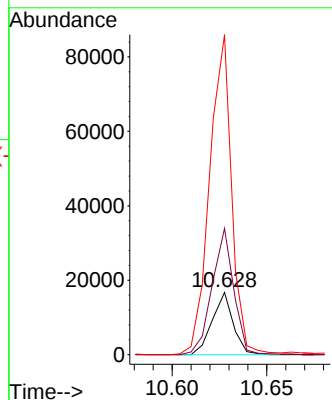
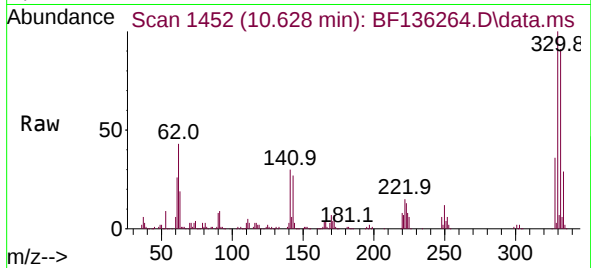




#67
4-Bromophenyl-phenylether
Concen: 3.778 ng
RT: 10.628 min Scan# 1495
Delta R.T. -0.253 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

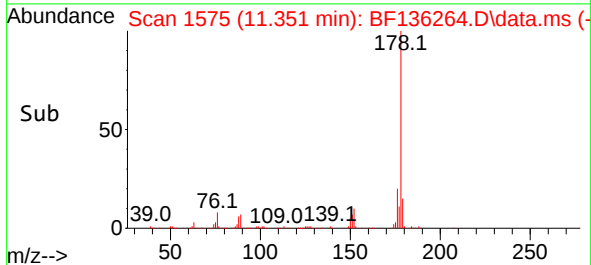
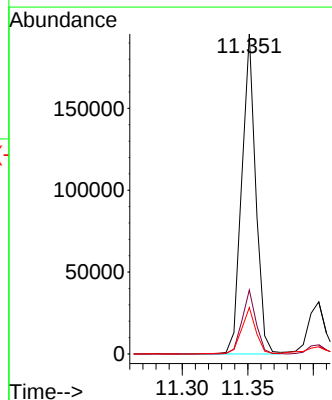
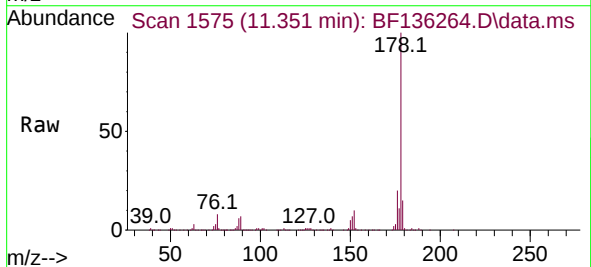
Instrument :
BNA_F
ClientSampleId :
TP-D

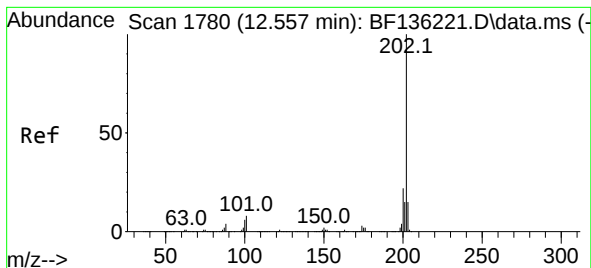
Tgt Ion:248 Resp: 12883
Ion Ratio Lower Upper
248 100
250 202.7 72.5 108.7#
141 514.0 60.8 91.2#



#71
Phenanthrene
Concen: 8.872 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF136264.D
Acq: 28 Nov 2023 23:13

Tgt Ion:178 Resp: 145764
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.2
179 14.5 10.3 15.5





#75

Fluoranthene

Concen: 19.115 ng

RT: 12.545 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136264.D

Acq: 28 Nov 2023 23:13

Instrument :

BNA_F

ClientSampleId :

TP-D

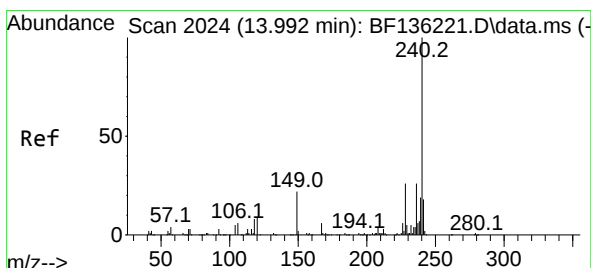
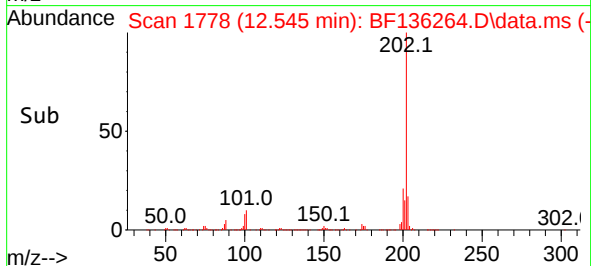
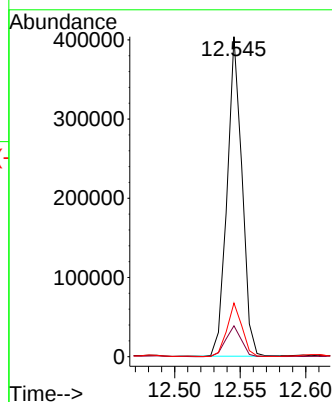
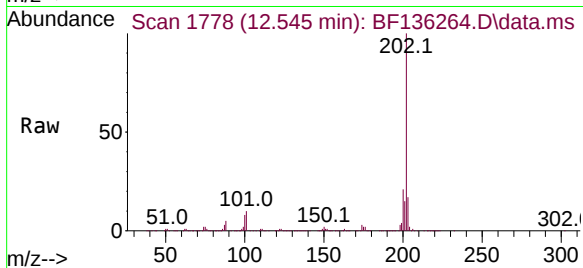
Tgt Ion:202 Resp: 318805

Ion Ratio Lower Upper

202 100

101 9.7 0.0 27.8

203 16.8 0.0 34.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.012 min

Lab File: BF136264.D

Acq: 28 Nov 2023 23:13

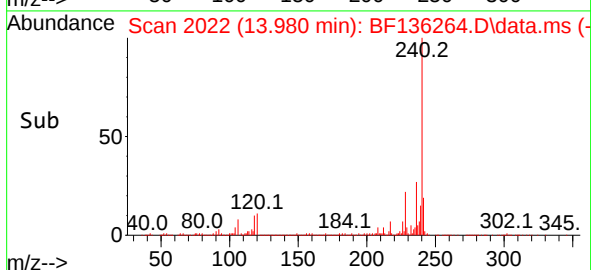
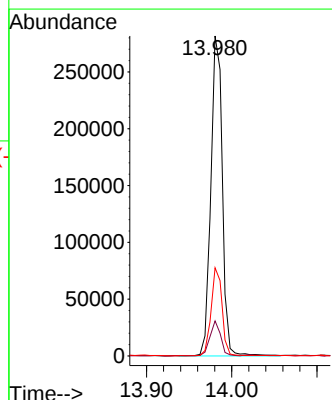
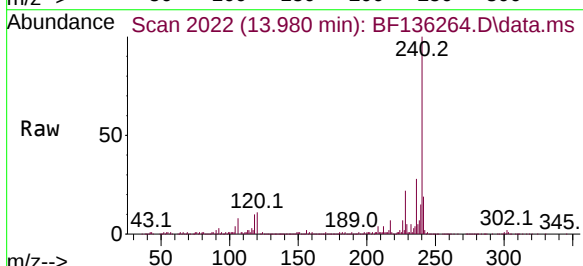
Tgt Ion:240 Resp: 263961

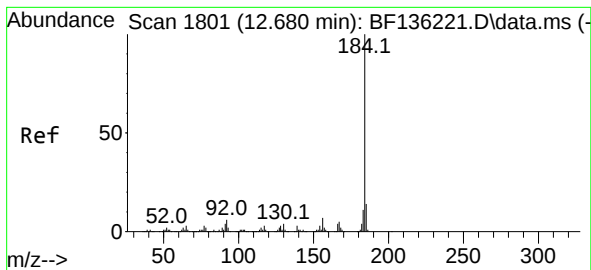
Ion Ratio Lower Upper

240 100

120 10.9 7.4 11.2

236 27.5 21.1 31.7





#77

Benzidine

Concen: 2.865 ng

RT: 12.928 min Scan# 1843

Delta R.T. 0.248 min

Lab File: BF136264.D

Acq: 28 Nov 2023 23:13

Instrument :

BNA_F

ClientSampleId :

TP-D

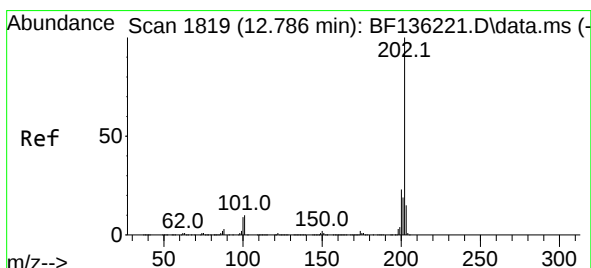
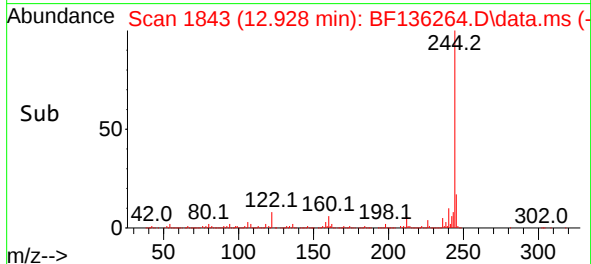
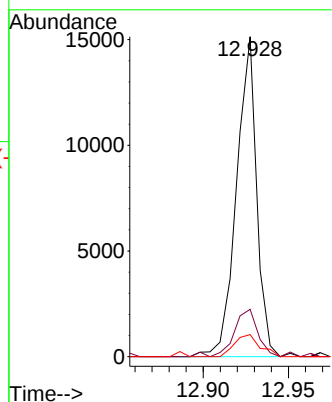
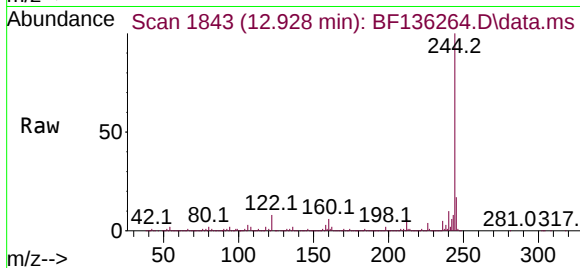
Tgt Ion:184 Resp: 12432

Ion Ratio Lower Upper

184 100

185 14.8 11.0 16.6

183 6.9 9.0 13.4#



#78

Pyrene

Concen: 10.618 ng

RT: 12.775 min Scan# 1817

Delta R.T. -0.012 min

Lab File: BF136264.D

Acq: 28 Nov 2023 23:13

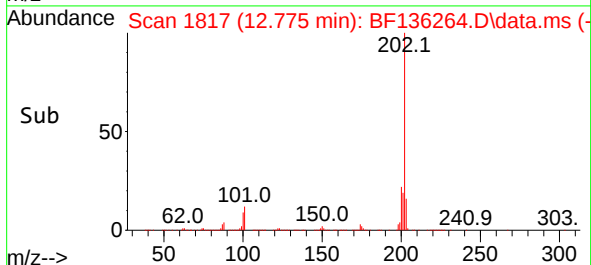
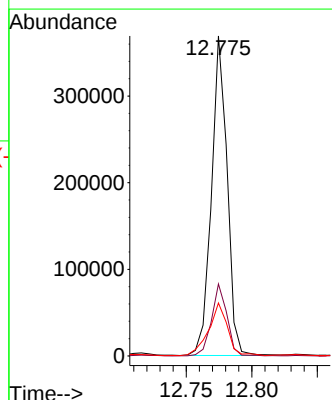
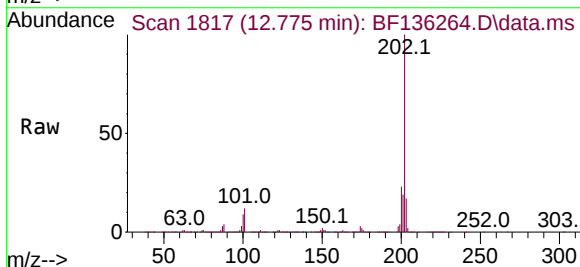
Tgt Ion:202 Resp: 306949

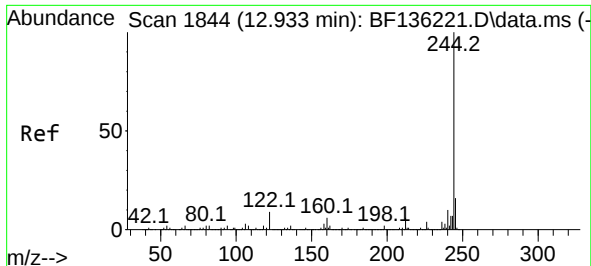
Ion Ratio Lower Upper

202 100

200 22.5 18.4 27.6

203 16.6 11.8 17.6

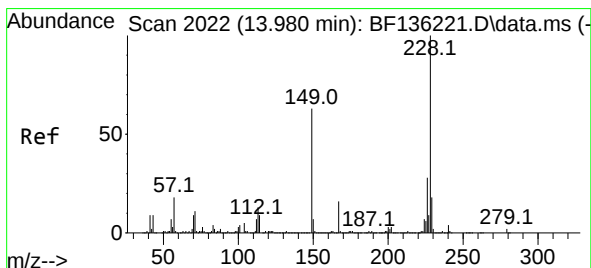
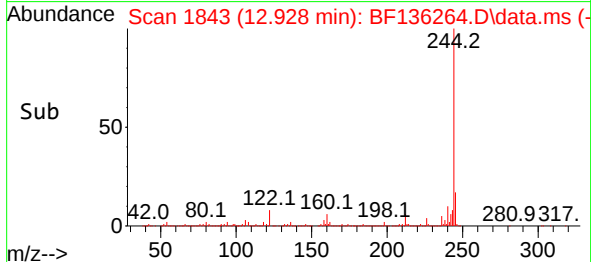
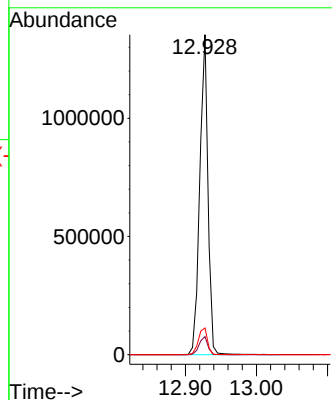
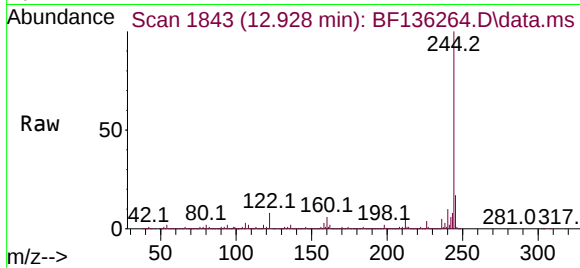




#79
 Terphenyl-d14
 Concen: 47.549 ng
 RT: 12.928 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: BF136264.D
 Acq: 28 Nov 2023 23:13

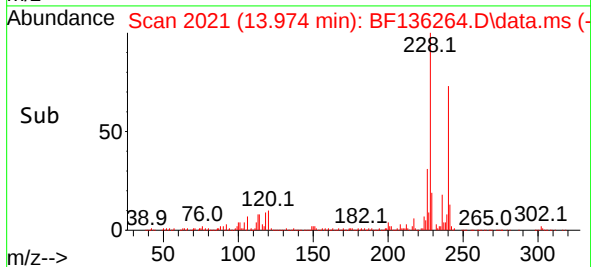
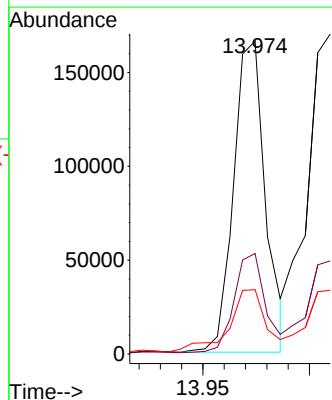
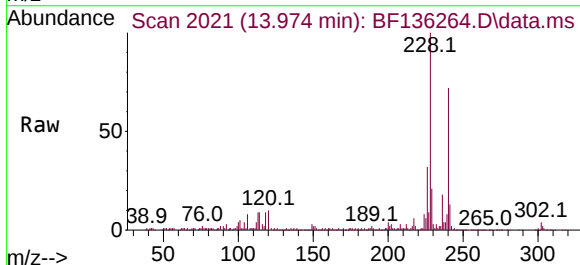
Instrument :
 BNA_F
 ClientSampleId :
 TP-D

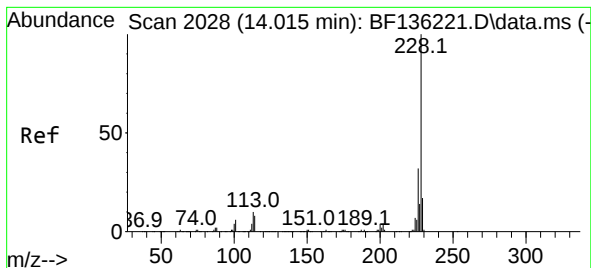
Tgt Ion:244 Resp: 1088101
 Ion Ratio Lower Upper
 244 100
 212 5.7 4.6 7.0
 122 8.4 7.3 10.9



#81
 Benzo(a)anthracene
 Concen: 8.768 ng
 RT: 13.974 min Scan# 2021
 Delta R.T. -0.006 min
 Lab File: BF136264.D
 Acq: 28 Nov 2023 23:13

Tgt Ion:228 Resp: 171898
 Ion Ratio Lower Upper
 228 100
 226 32.1 22.6 34.0
 229 20.6 14.0 21.0





#83

Chrysene

Concen: 9.419 ng

RT: 14.010 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136264.D

Acq: 28 Nov 2023 23:13

Instrument :

BNA_F

ClientSampleId :

TP-D

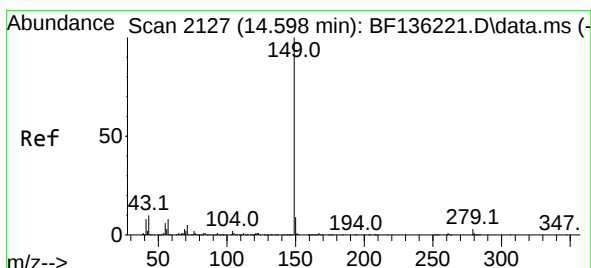
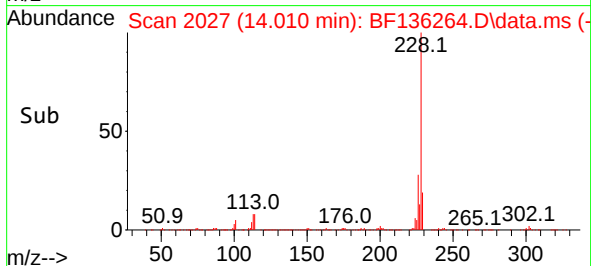
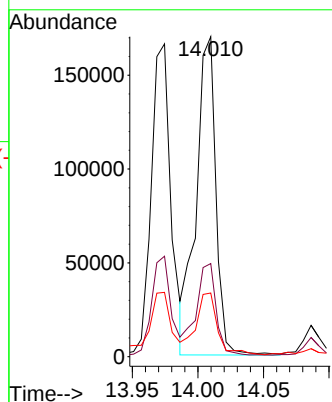
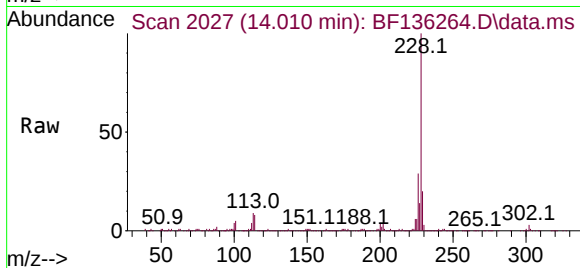
Tgt Ion:228 Resp: 178303

Ion Ratio Lower Upper

228 100

226 29.1 25.5 38.3

229 19.9 13.9 20.9



#85

Di-n-octyl phthalate

Concen: 5.185 ng

RT: 14.569 min Scan# 2122

Delta R.T. -0.029 min

Lab File: BF136264.D

Acq: 28 Nov 2023 23:13

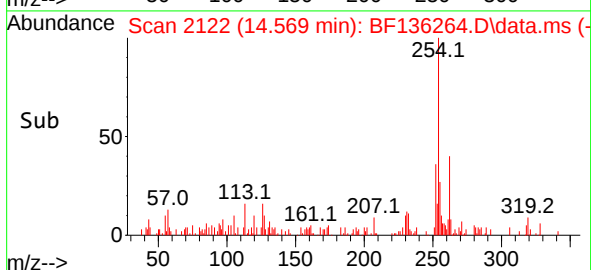
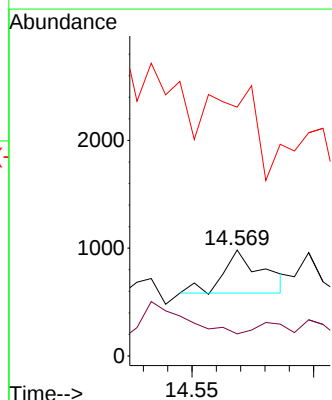
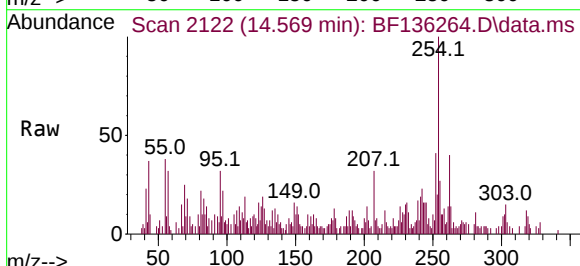
Tgt Ion:149 Resp: 443

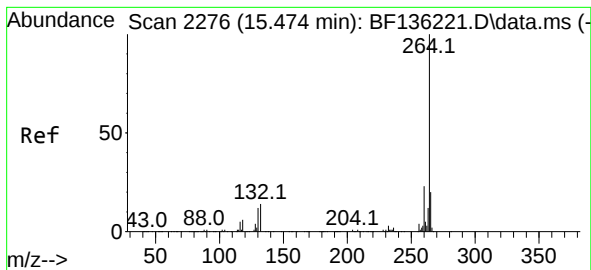
Ion Ratio Lower Upper

149 100

167 44.0 1.0 1.6#

43 0.0 7.2 10.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.011 min

Lab File: BF136264.D

Acq: 28 Nov 2023 23:13

Instrument :

BNA_F

ClientSampleId :

TP-D

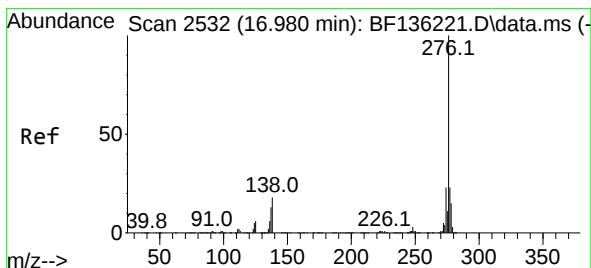
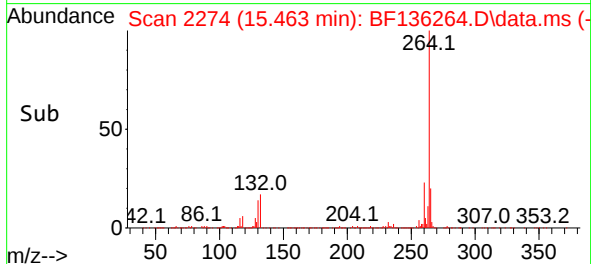
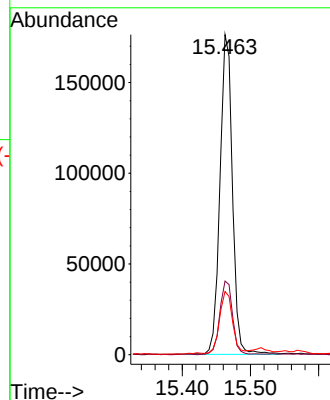
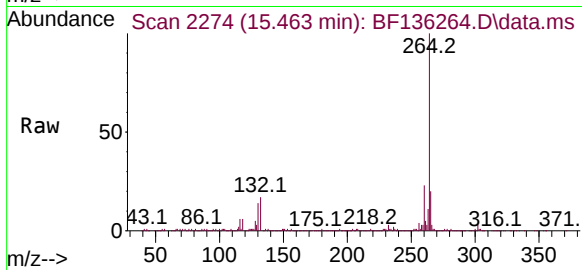
Tgt Ion:264 Resp: 224658

Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

265 19.8 15.7 23.5



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.852 ng

RT: 16.957 min Scan# 2528

Delta R.T. -0.023 min

Lab File: BF136264.D

Acq: 28 Nov 2023 23:13

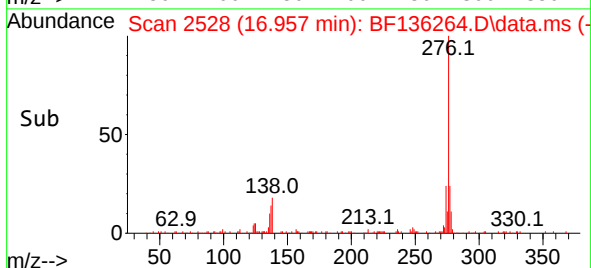
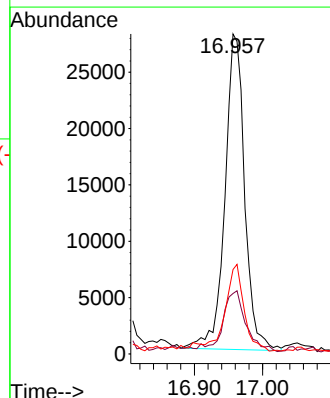
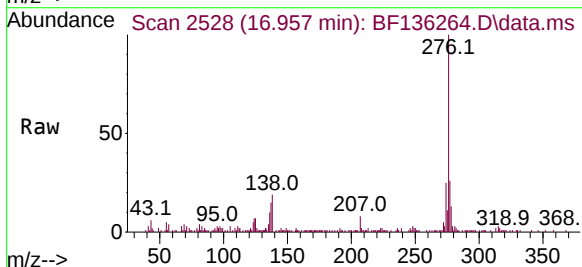
Tgt Ion:276 Resp: 56423

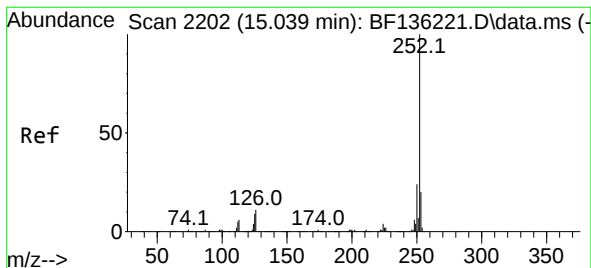
Ion Ratio Lower Upper

276 100

138 22.5 17.7 26.5

277 25.7 19.6 29.4





#88

Benzo(b)fluoranthene

Concen: 16.414 ng

RT: 15.027 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136264.D

Acq: 28 Nov 2023 23:13

Instrument :

BNA_F

ClientSampleId :

TP-D

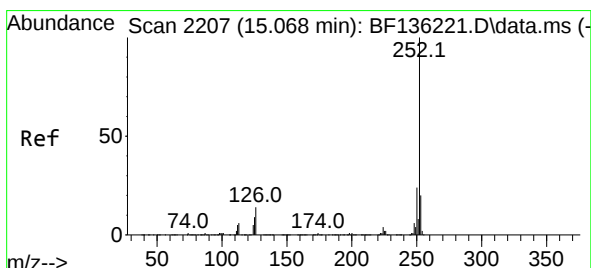
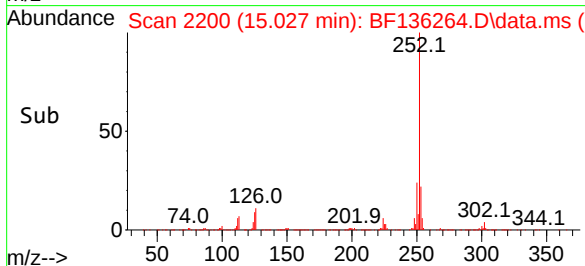
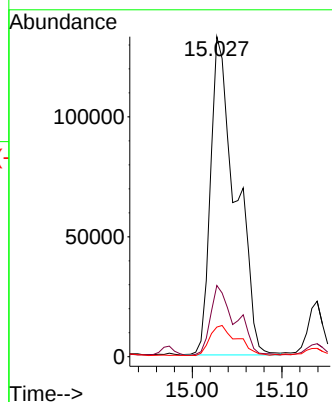
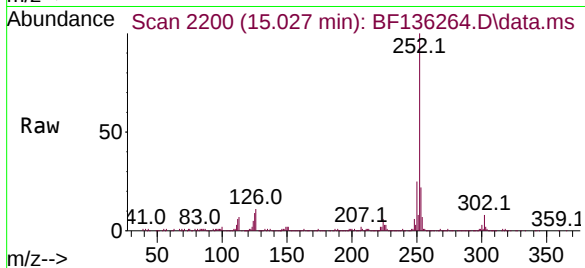
Tgt Ion:252 Resp: 258710

Ion Ratio Lower Upper

252 100

253 22.2 16.2 24.2

125 9.2 6.9 10.3



#89

Benzo(k)fluoranthene

Concen: 17.282 ng

RT: 15.027 min Scan# 2200

Delta R.T. -0.041 min

Lab File: BF136264.D

Acq: 28 Nov 2023 23:13

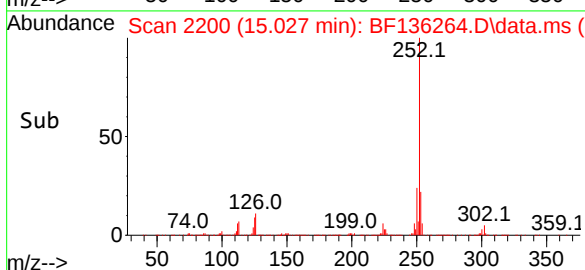
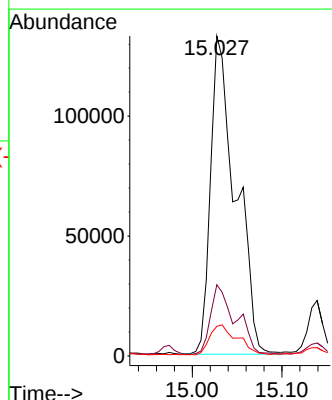
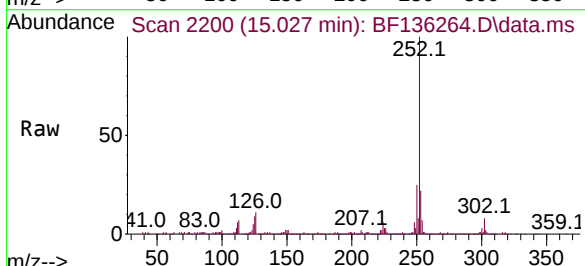
Tgt Ion:252 Resp: 258710

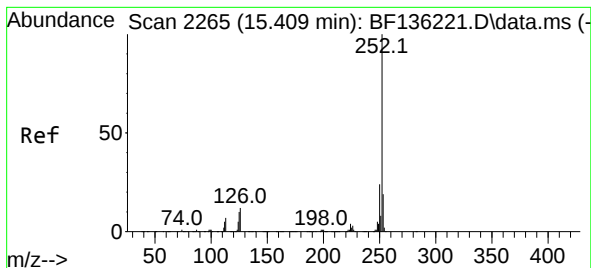
Ion Ratio Lower Upper

252 100

253 22.2 15.6 23.4

125 9.2 7.0 10.4





#90

Benzo(a)pyrene

Concen: 8.988 ng

RT: 15.398 min Scan# 21

Delta R.T. -0.011 min

Lab File: BF136264.D

Acq: 28 Nov 2023 23:13

Instrument :

BNA_F

ClientSampleId :

TP-D

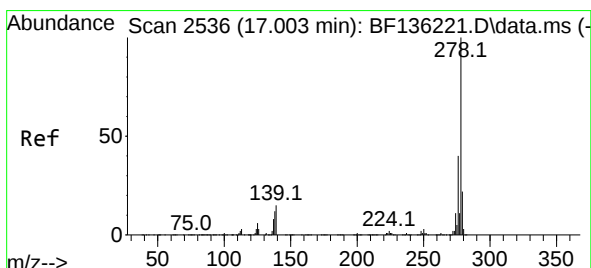
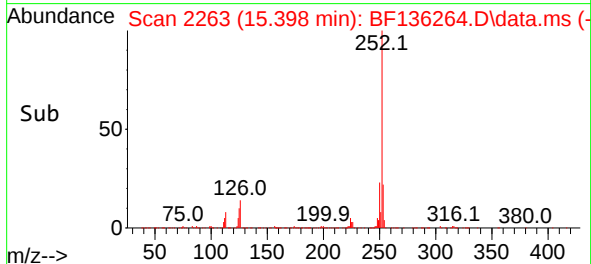
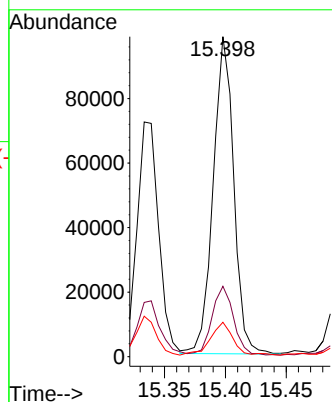
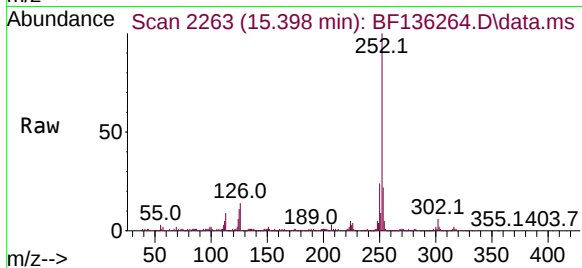
Tgt Ion:252 Resp: 115812

Ion Ratio Lower Upper

252 100

253 22.0 15.5 23.3

125 10.8 7.9 11.9



#91

Dibenzo(a,h)anthracene

Concen: 3.687 ng

RT: 16.974 min Scan# 2531

Delta R.T. -0.029 min

Lab File: BF136264.D

Acq: 28 Nov 2023 23:13

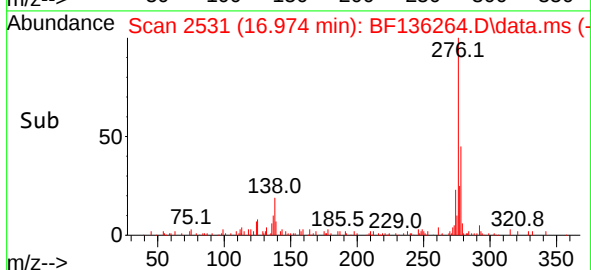
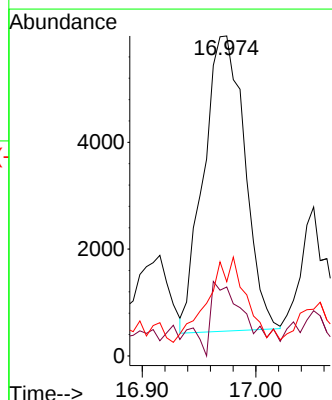
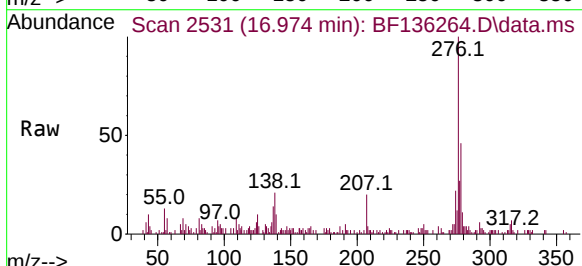
Tgt Ion:278 Resp: 13906

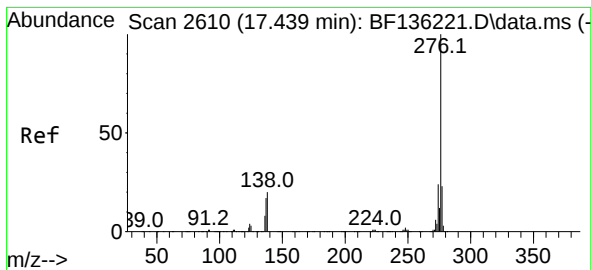
Ion Ratio Lower Upper

278 100

139 21.5 11.7 17.5#

279 23.2 17.8 26.8





#92

Benzo(g,h,i)perylene

Concen: 5.779 ng

RT: 17.410 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF136264.D

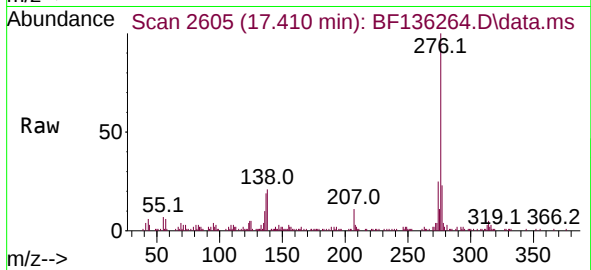
Acq: 28 Nov 2023 23:13

Instrument :

BNA_F

ClientSampleId :

TP-D



Tgt Ion:276 Resp: 54613

Ion Ratio Lower Upper

276 100

277 22.7 18.6 27.8

138 21.1 15.8 23.8

