

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112923\
 Data File : BF136289.D
 Acq On : 29 Nov 2023 18:11
 Operator : CG\JU
 Sample : 05540-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-11222023

Quant Time: Nov 29 18:34:12 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)

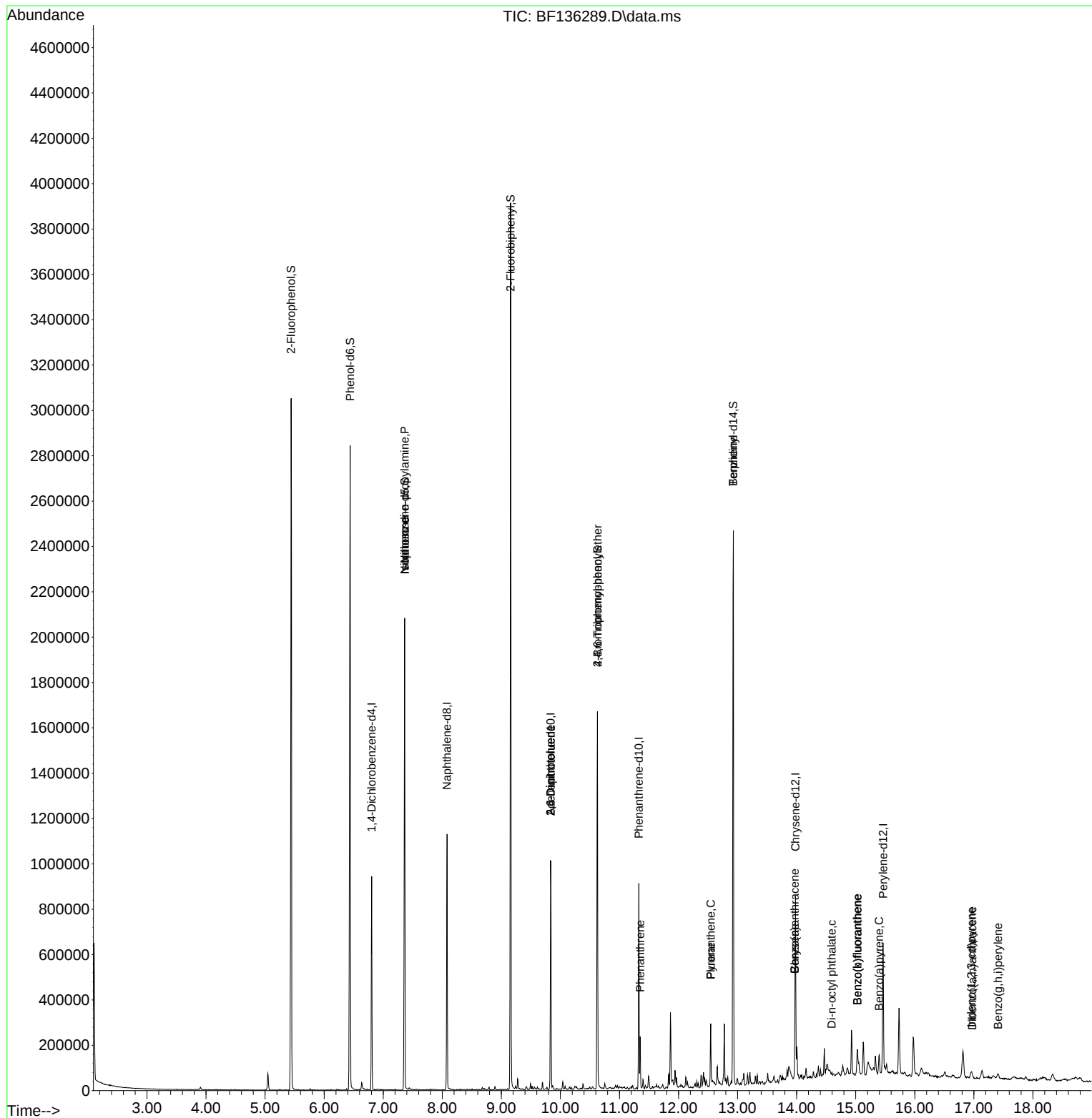
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	120102	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	471193	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	197728	20.000	ng	-0.01
64) Phenanthrene-d10	11.328	188	299097	20.000	ng	0.00
76) Chrysene-d12	13.980	240	239806	20.000	ng	-0.01
86) Perylene-d12	15.463	264	263304	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	861781	99.871	ng	0.00
7) Phenol-d6	6.440	99	1021975	94.721	ng	0.00
23) Nitrobenzene-d5	7.363	82	630168	70.672	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	212472	87.893	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1135853	73.375	ng	-0.01
79) Terphenyl-d14	12.927	244	894017	43.003	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	82476	12.781	ng	# 75
25) Isophorone	7.363	82	628593	39.096	ng	# 68
51) 2,6-Dinitrotoluene	9.834	165	25538	8.365	ng	# 24
57) 2,4-Dinitrotoluene	9.834	165	25538	6.262	ng	# 27
67) 4-Bromophenyl-phenylether	10.628	248	12389	3.550	ng	# 1
71) Phenanthrene	11.351	178	77467	4.608	ng	# 95
75) Fluoranthene	12.545	202	101870	5.969	ng	94
77) Benzidine	12.927	184	10002	2.537	ng	# 93
78) Pyrene	12.545	202	101870	3.879	ng	95
81) Benzo(a)anthracene	13.969	228	53599	3.009	ng	94
83) Chrysene	13.969	228	53599	3.117	ng	98
85) Di-n-octyl phthalate	14.592	149	909	5.213	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.957	276	22710	3.769	ng	95
88) Benzo(b)fluoranthene	15.027	252	84830	4.592	ng	# 93
89) Benzo(k)fluoranthene	15.027	252	84830	4.835	ng	# 92
90) Benzo(a)pyrene	15.398	252	43720	2.895	ng	# 93
91) Dibenzo(a,h)anthracene	16.974	278	7850	3.182	ng	# 64
92) Benzo(g,h,i)perylene	17.410	276	21778	3.220	ng	# 94

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

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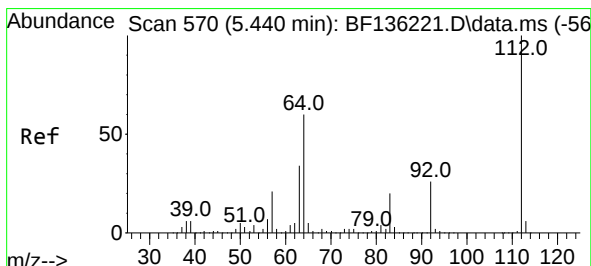
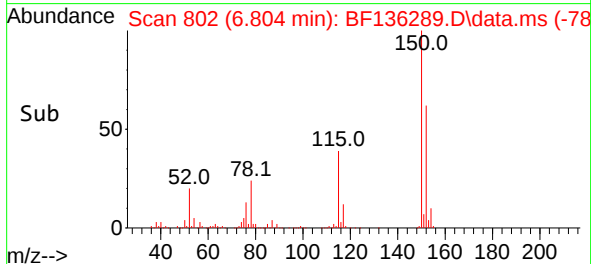
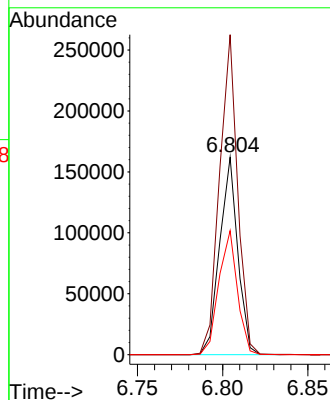
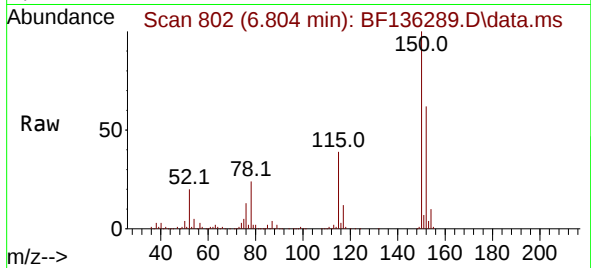




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

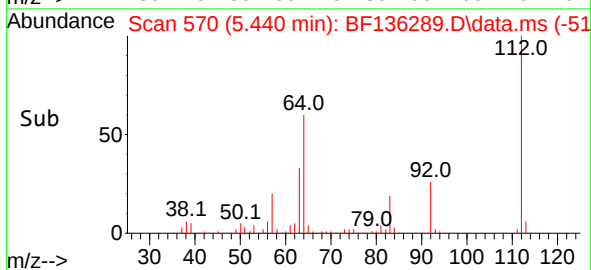
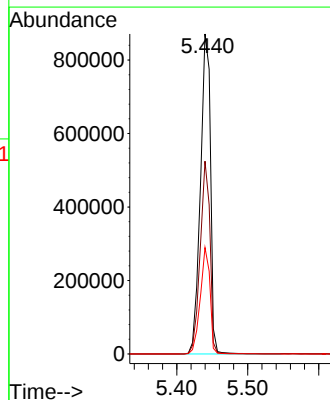
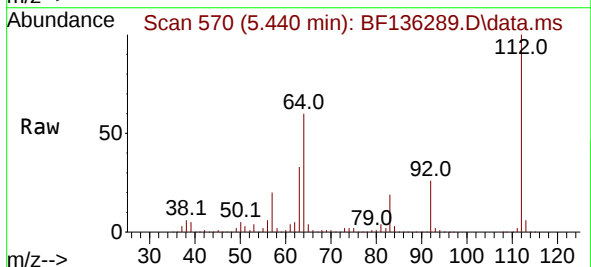
Instrument :
BNA_F
ClientSampleId :
TR-06-11222023

Tgt Ion:152 Resp: 120102
Ion Ratio Lower Upper
152 100
150 162.1 137.8 206.8
115 62.8 52.7 79.1



#5
2-Fluorophenol
Concen: 99.871 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

Tgt Ion:112 Resp: 861781
Ion Ratio Lower Upper
112 100
64 60.2 48.2 72.4
63 33.2 27.0 40.6

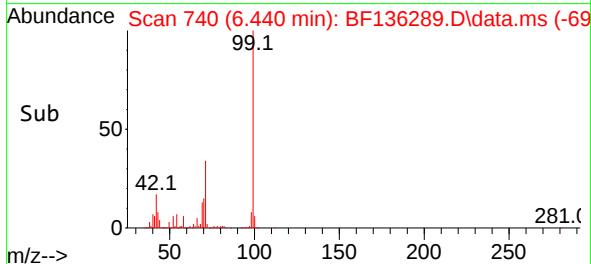
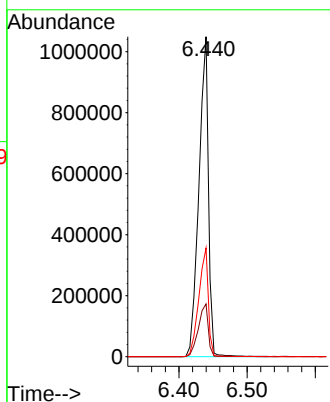
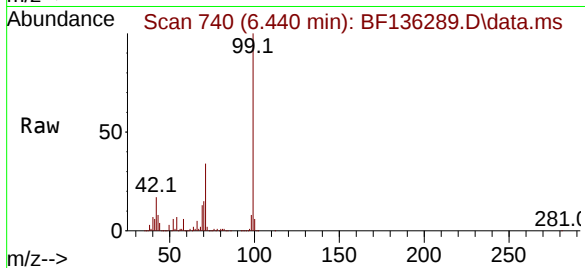




#7
Phenol-d6
Concen: 94.721 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

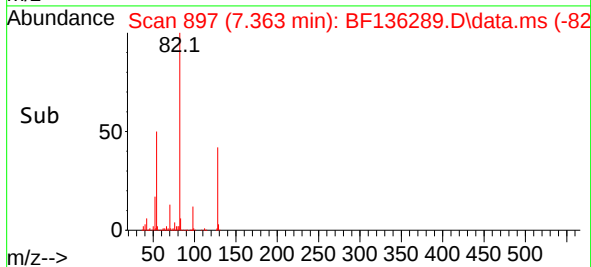
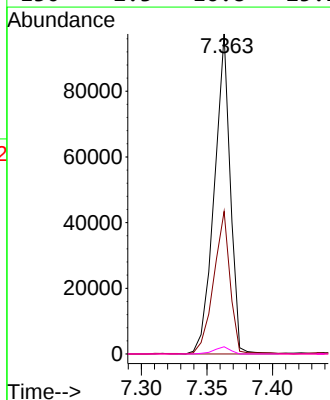
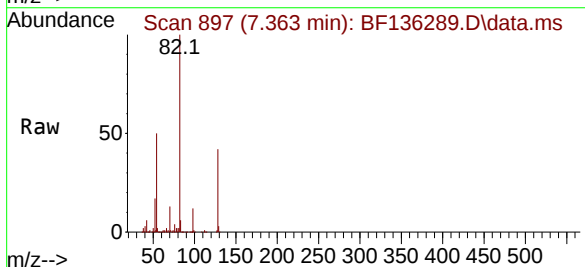
Instrument :
BNA_F
ClientSampleId :
TR-06-11222023

Tgt Ion: 99 Resp: 1021975
Ion Ratio Lower Upper
99 100
42 16.5 15.0 22.6
71 34.0 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 12.781 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

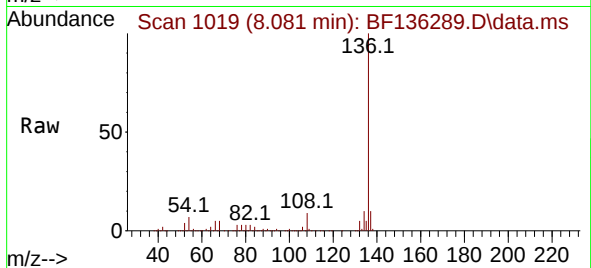
Tgt Ion: 70 Resp: 82476
Ion Ratio Lower Upper
70 100
42 44.5 47.0 70.4#
101 0.0 7.8 11.8#
130 2.3 16.8 25.2#



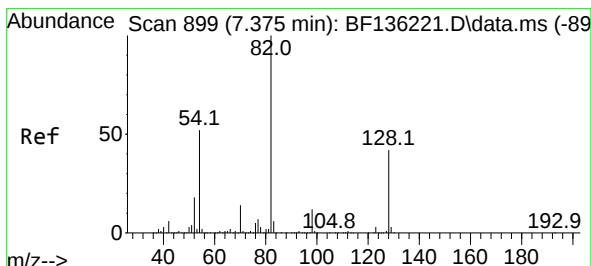
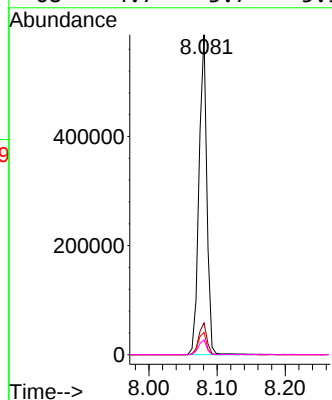
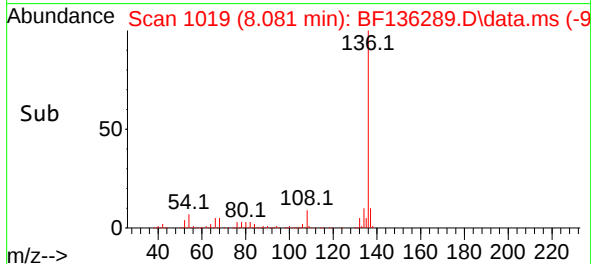


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

Instrument :
BNA_F
ClientSampleId :
TR-06-11222023

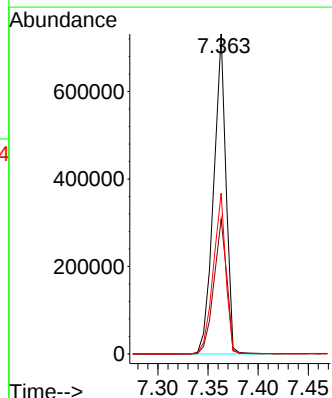
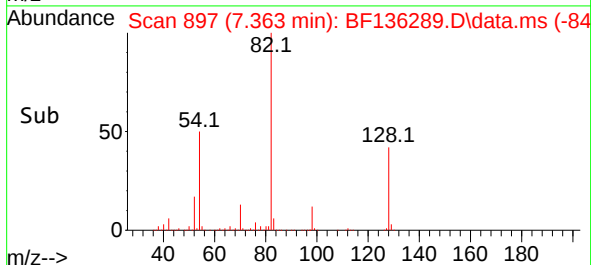
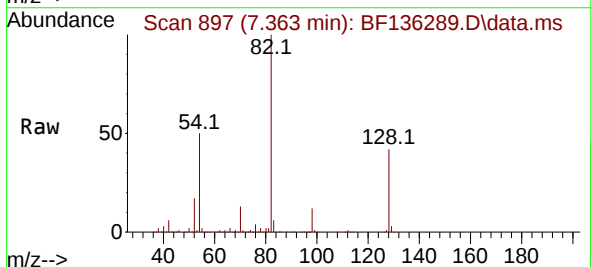


Tgt Ion:136 Resp: 471193
Ion Ratio Lower Upper
136 100
137 9.9 7.4 11.2
54 6.9 5.5 8.3
68 4.7 3.7 5.5



#23
Nitrobenzene-d5
Concen: 70.672 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

Tgt Ion: 82 Resp: 630168
Ion Ratio Lower Upper
82 100
128 42.2 33.4 50.2
54 50.2 41.7 62.5

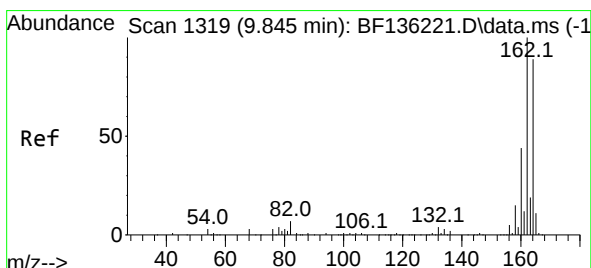
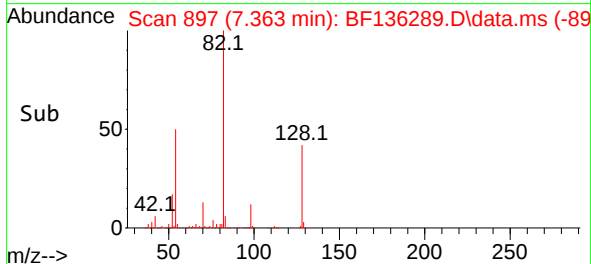
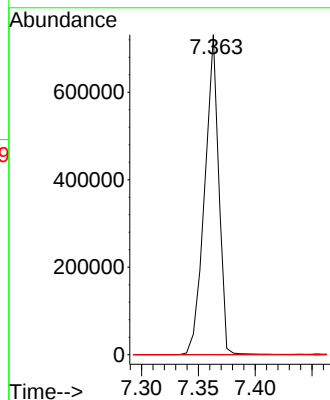
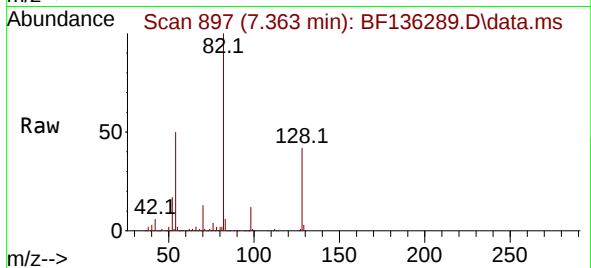




#25
Isophorone
Concen: 39.096 ng
RT: 7.363 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

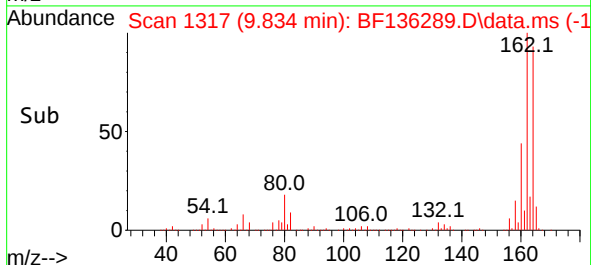
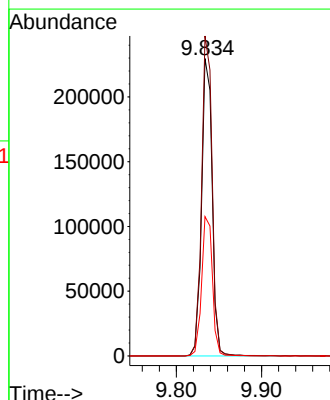
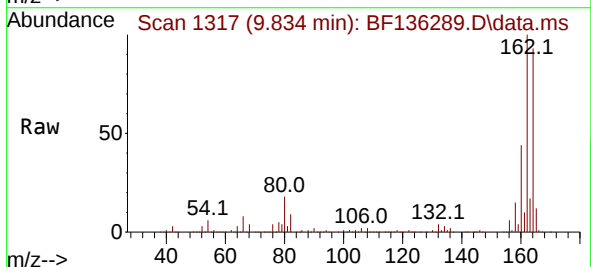
Instrument :
BNA_F
ClientSampleId :
TR-06-11222023

Tgt Ion: 82 Resp: 628593
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: 9.834 min Scan# 1317
Delta R.T. -0.011 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

Tgt Ion:164 Resp: 197728
Ion Ratio Lower Upper
164 100
162 107.6 89.5 134.3
160 46.9 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 87.893 ng

RT: 10.628 min Scan# 1454

Delta R.T. -0.012 min

Lab File: BF136289.D

Acq: 29 Nov 2023 18:11

Instrument :

BNA_F

ClientSampleId :

TR-06-11222023

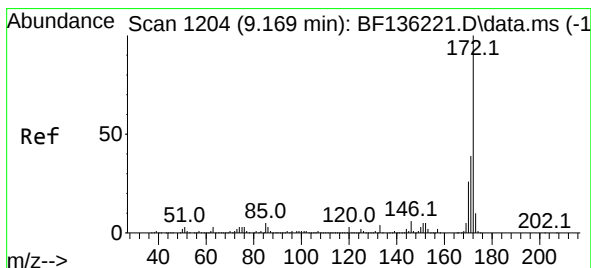
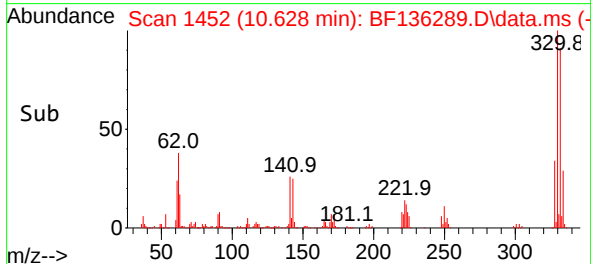
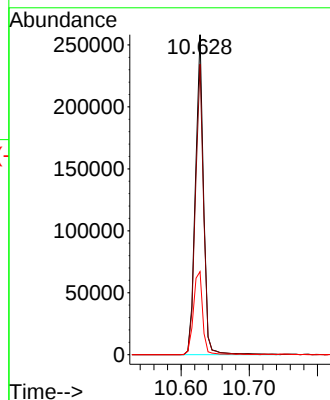
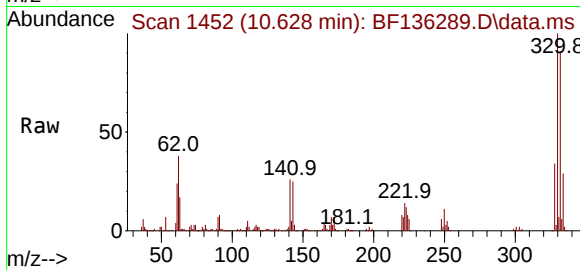
Tgt Ion:330 Resp: 212472

Ion Ratio Lower Upper

330 100

332 92.3 73.0 109.6

141 29.6 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 73.375 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.012 min

Lab File: BF136289.D

Acq: 29 Nov 2023 18:11

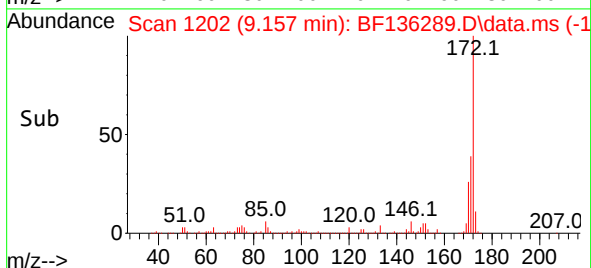
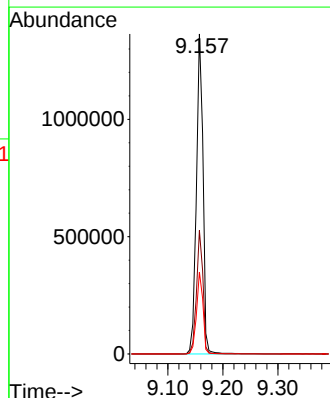
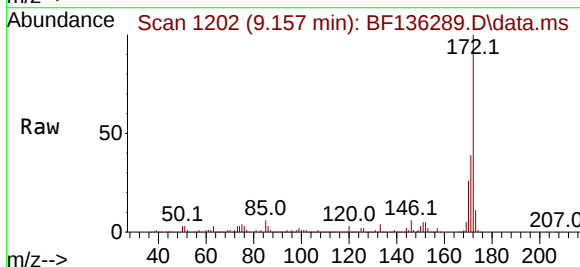
Tgt Ion:172 Resp: 1135853

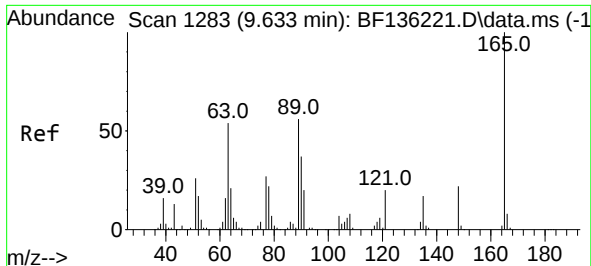
Ion Ratio Lower Upper

172 100

171 38.6 31.5 47.3

170 25.6 20.8 31.2





#51

2,6-Dinitrotoluene

Concen: 8.365 ng

RT: 9.834 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF136289.D

Acq: 29 Nov 2023 18:11

Instrument :

BNA_F

ClientSampleId :

TR-06-11222023

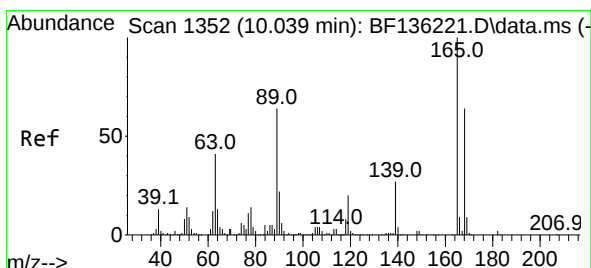
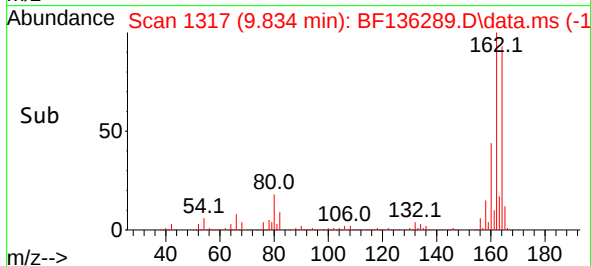
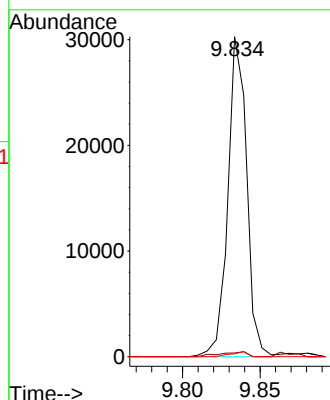
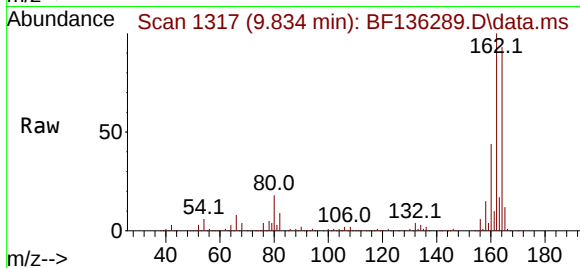
Tgt Ion:165 Resp: 25538

Ion Ratio Lower Upper

165 100

63 1.2 46.2 69.2#

89 0.9 44.9 67.3#



#57

2,4-Dinitrotoluene

Concen: 6.262 ng

RT: 9.834 min Scan# 1317

Delta R.T. -0.206 min

Lab File: BF136289.D

Acq: 29 Nov 2023 18:11

Tgt Ion:165 Resp: 25538

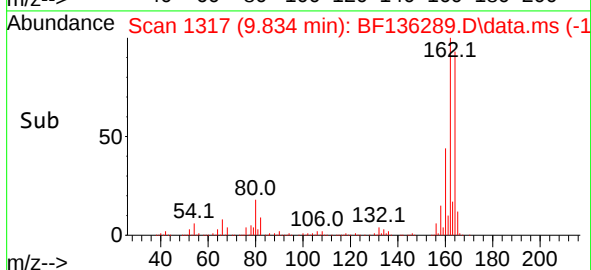
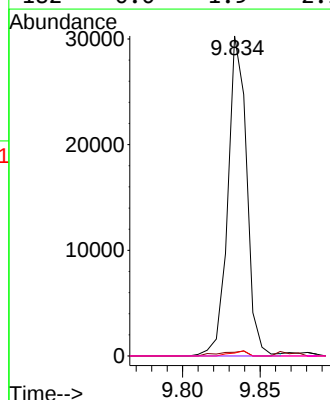
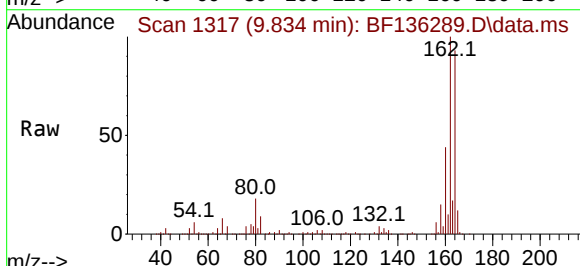
Ion Ratio Lower Upper

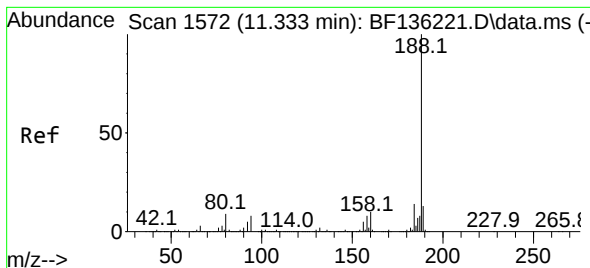
165 100

63 1.2 33.0 49.4#

89 0.9 51.5 77.3#

182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.328 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF136289.D

Acq: 29 Nov 2023 18:11

Instrument :

BNA_F

ClientSampleId :

TR-06-11222023

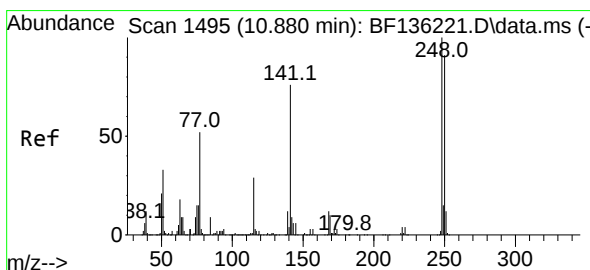
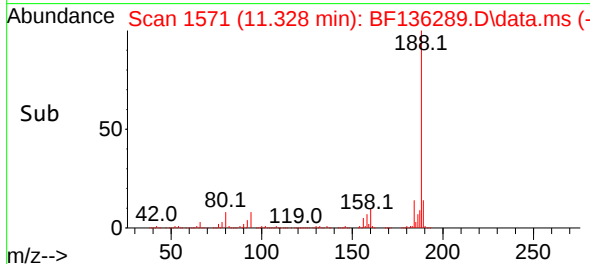
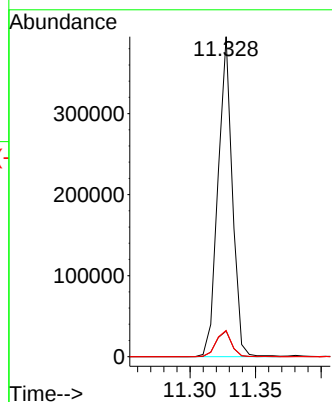
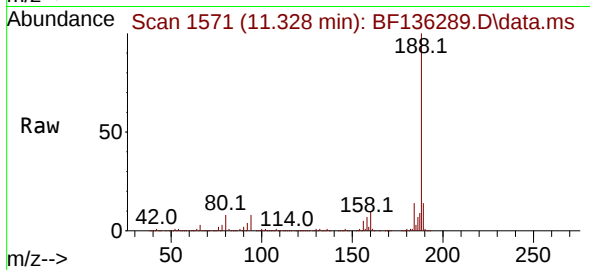
Tgt Ion:188 Resp: 299097

Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 8.2 7.2 10.8



#67

4-Bromophenyl-phenylether

Concen: 3.550 ng

RT: 10.628 min Scan# 1452

Delta R.T. -0.253 min

Lab File: BF136289.D

Acq: 29 Nov 2023 18:11

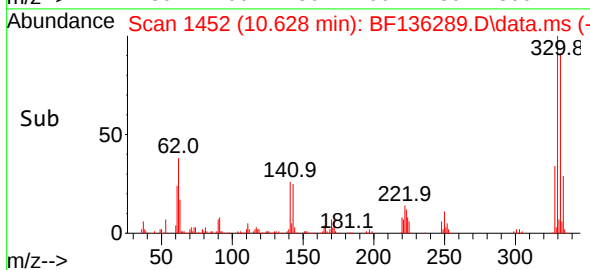
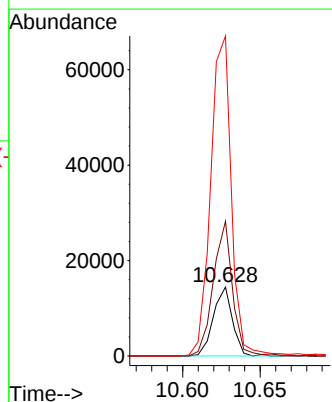
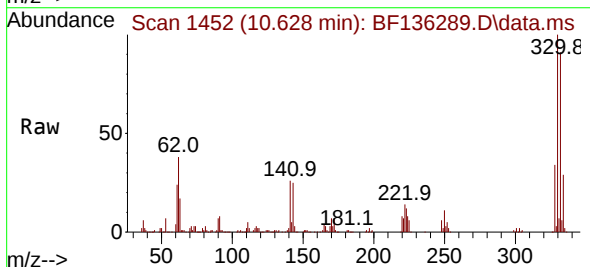
Tgt Ion:248 Resp: 12389

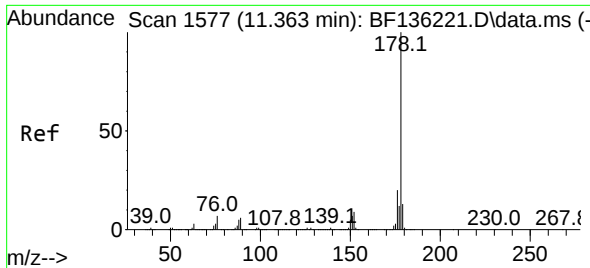
Ion Ratio Lower Upper

248 100

250 195.3 72.5 108.7#

141 463.6 60.8 91.2#

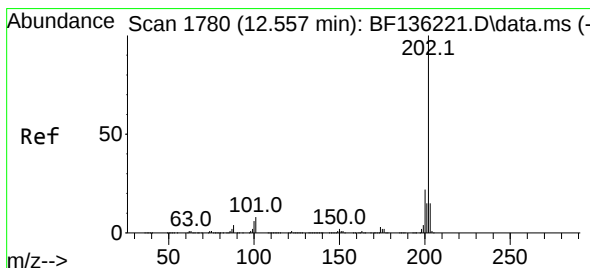
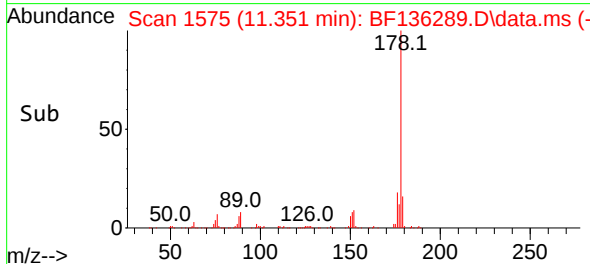
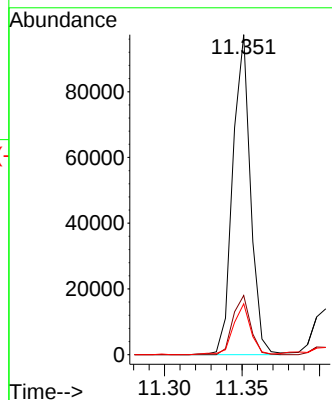
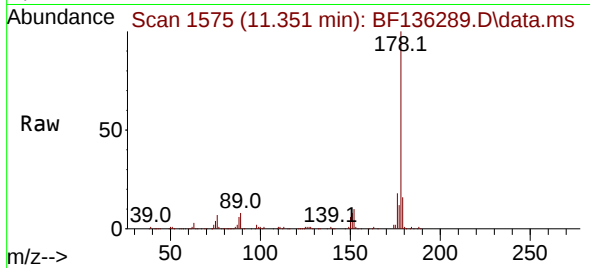




#71
Phenanthrene
Concen: 4.608 ng
RT: 11.351 min Scan# 1177
Delta R.T. -0.012 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

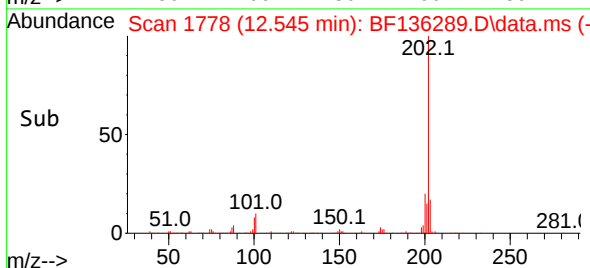
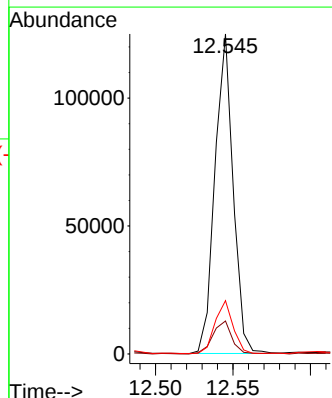
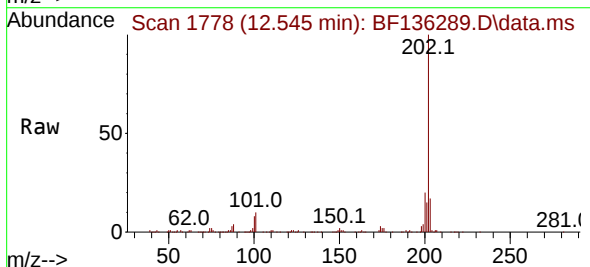
Instrument :
BNA_F
ClientSampleId :
TR-06-11222023

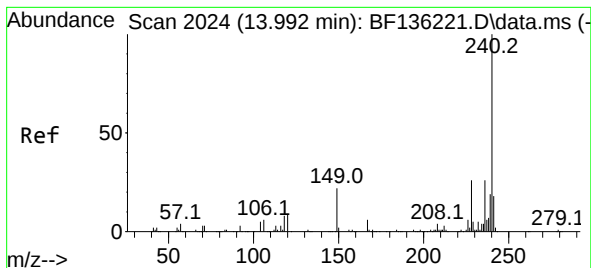
Tgt Ion:178 Resp: 77467
Ion Ratio Lower Upper
178 100
176 18.5 16.2 24.2
179 15.9 10.3 15.5#



#75
Fluoranthene
Concen: 5.969 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.012 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

Tgt Ion:202 Resp: 101870
Ion Ratio Lower Upper
202 100
101 10.3 0.0 27.8
203 16.7 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: BF136289.D

Acq: 29 Nov 2023 18:11

Instrument :

BNA_F

ClientSampleId :

TR-06-11222023

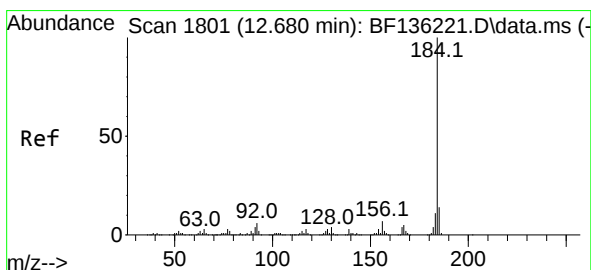
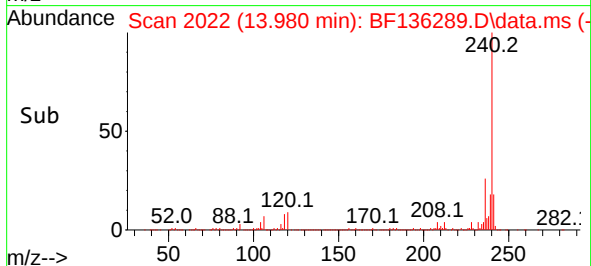
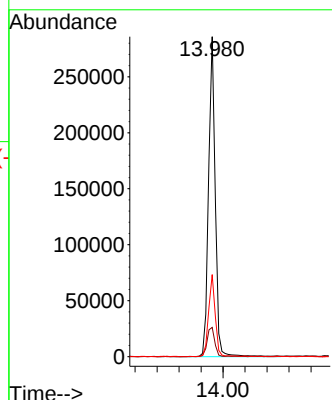
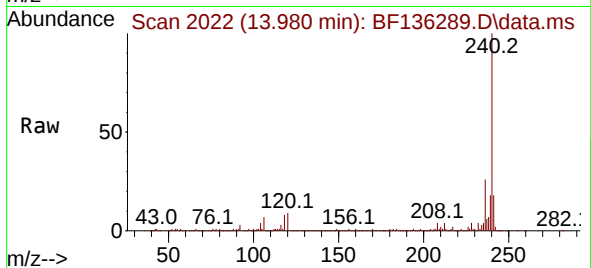
Tgt Ion:240 Resp: 239806

Ion Ratio Lower Upper

240 100

120 9.2 7.4 11.2

236 25.7 21.1 31.7



#77

Benzidine

Concen: 2.537 ng

RT: 12.927 min Scan# 1843

Delta R.T. 0.247 min

Lab File: BF136289.D

Acq: 29 Nov 2023 18:11

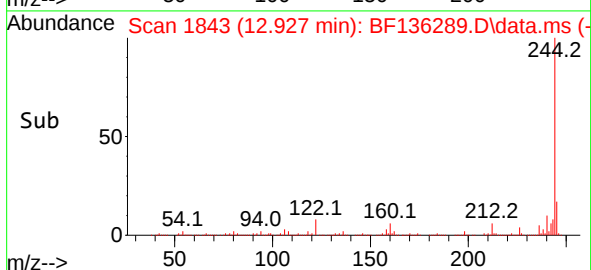
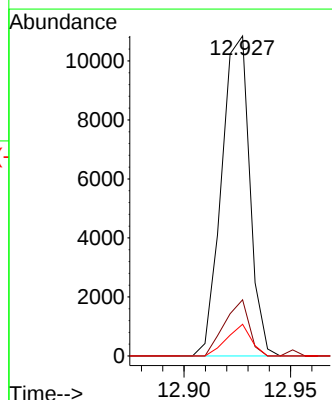
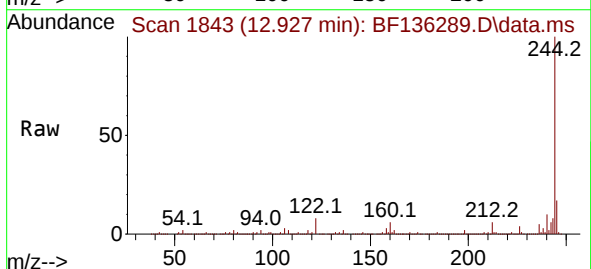
Tgt Ion:184 Resp: 10002

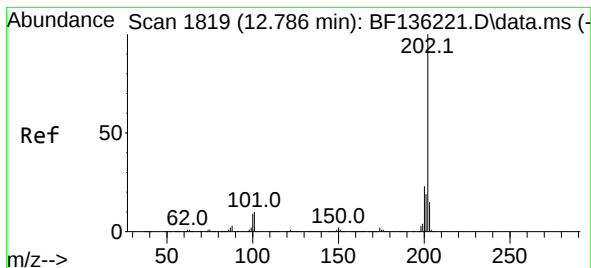
Ion Ratio Lower Upper

184 100

185 17.6 11.0 16.6#

183 9.9 9.0 13.4





#78

Pyrene

Concen: 3.879 ng

RT: 12.545 min Scan# 11

Delta R.T. -0.241 min

Lab File: BF136289.D

Acq: 29 Nov 2023 18:11

Instrument :

BNA_F

ClientSampleId :

TR-06-11222023

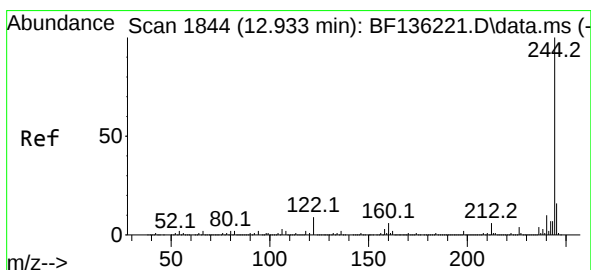
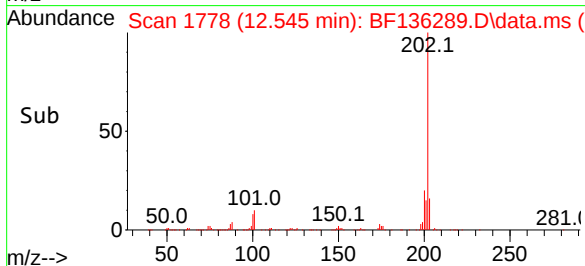
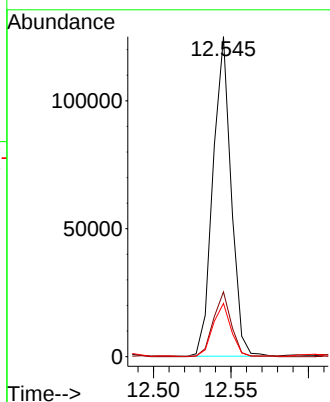
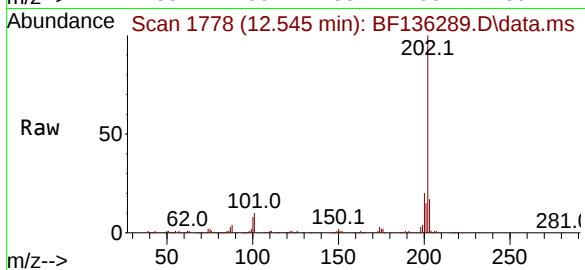
Tgt Ion:202 Resp: 101870

Ion Ratio Lower Upper

202 100

200 20.3 18.4 27.6

203 16.7 11.8 17.6



#79

Terphenyl-d14

Concen: 43.003 ng

RT: 12.927 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BF136289.D

Acq: 29 Nov 2023 18:11

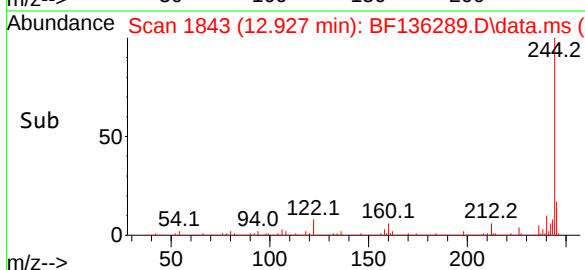
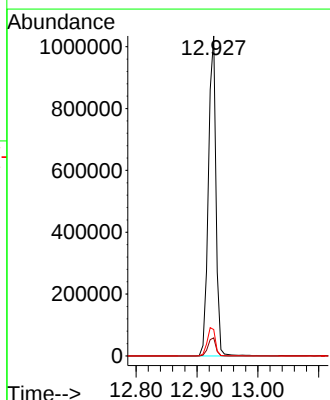
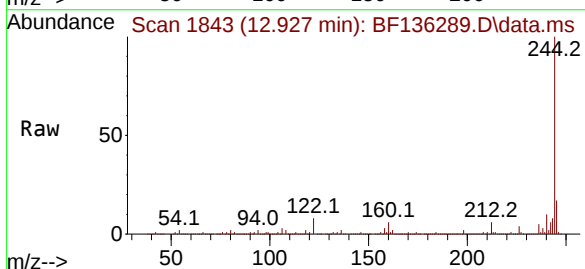
Tgt Ion:244 Resp: 894017

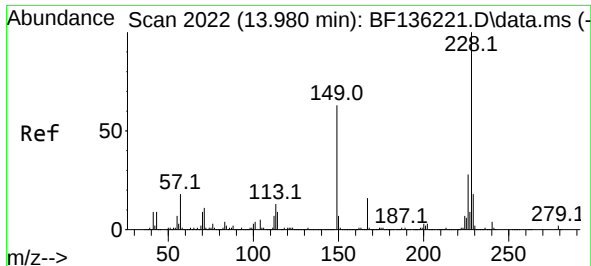
Ion Ratio Lower Upper

244 100

212 5.6 4.6 7.0

122 8.2 7.3 10.9

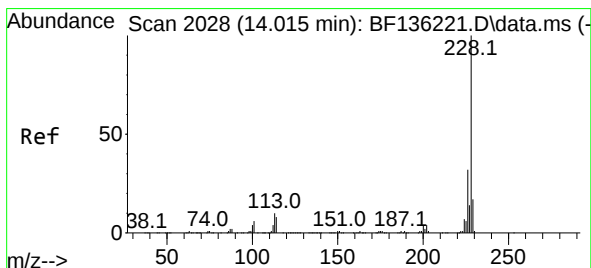
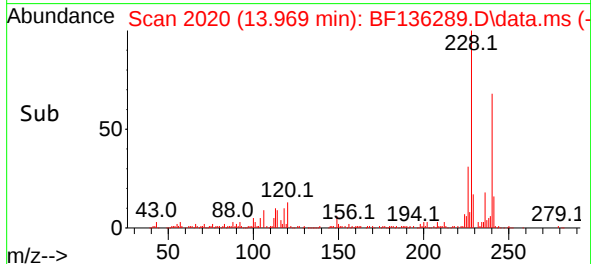
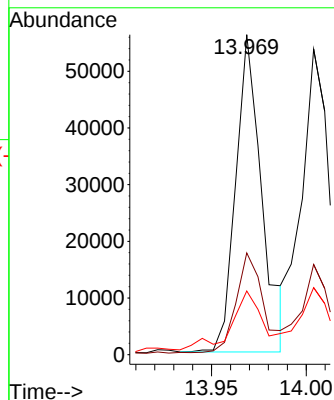
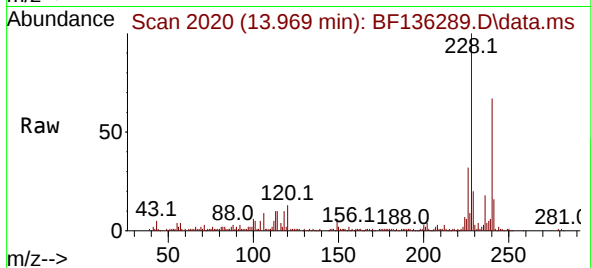




#81
Benzo(a)anthracene
Concen: 3.009 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

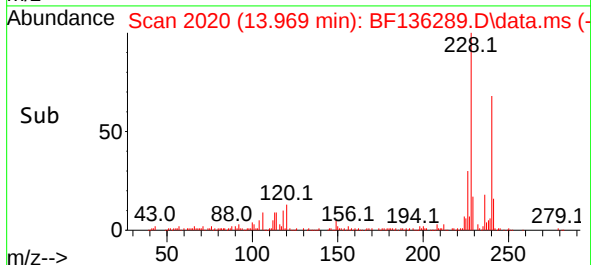
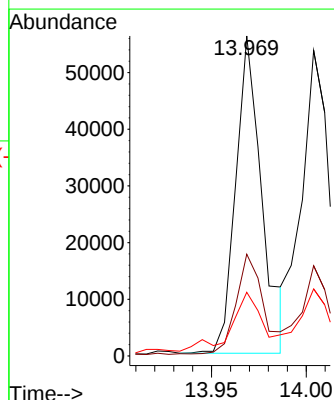
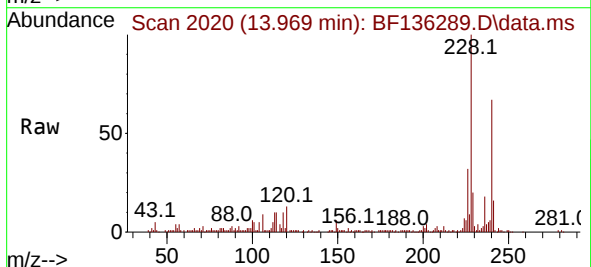
Instrument :
BNA_F
ClientSampleId :
TR-06-11222023

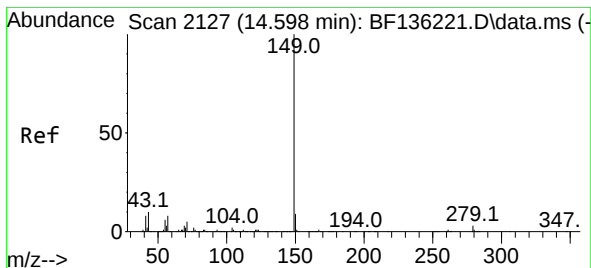
Tgt Ion:228 Resp: 53599
Ion Ratio Lower Upper
228 100
226 31.8 22.6 34.0
229 19.9 14.0 21.0



#83
Chrysene
Concen: 3.117 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.047 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

Tgt Ion:228 Resp: 53599
Ion Ratio Lower Upper
228 100
226 31.8 25.5 38.3
229 19.9 13.9 20.9





#85

Di-n-octyl phthalate

Concen: 5.213 ng

RT: 14.592 min Scan# 2127

Delta R.T. -0.006 min

Lab File: BF136289.D

Acq: 29 Nov 2023 18:11

Instrument :

BNA_F

ClientSampleId :

TR-06-11222023

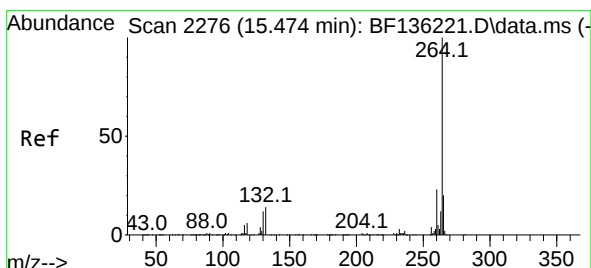
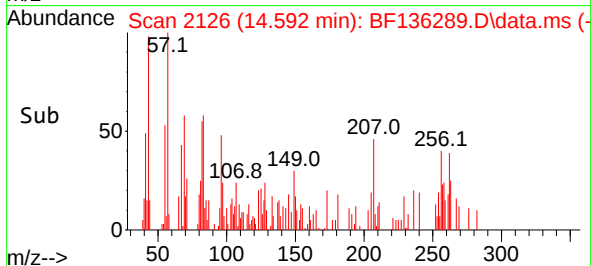
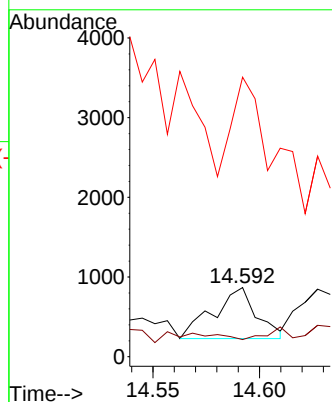
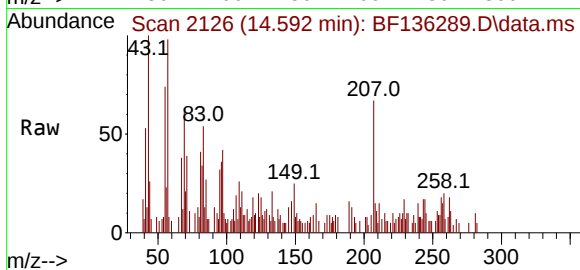
Tgt Ion:149 Resp: 909

Ion Ratio Lower Upper

149 100

167 10.8 1.0 1.6#

43 248.7 7.2 10.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 2274

Delta R.T. -0.011 min

Lab File: BF136289.D

Acq: 29 Nov 2023 18:11

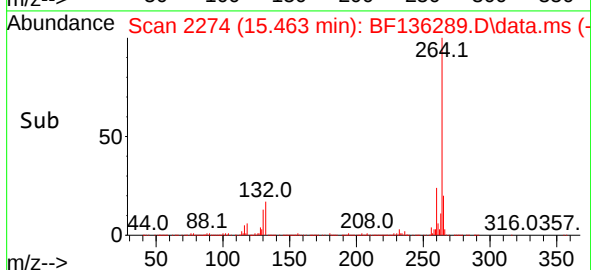
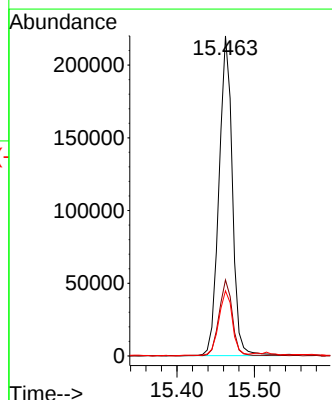
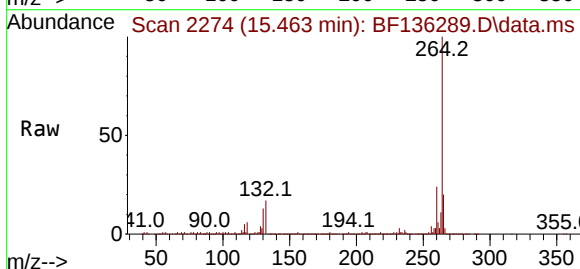
Tgt Ion:264 Resp: 263304

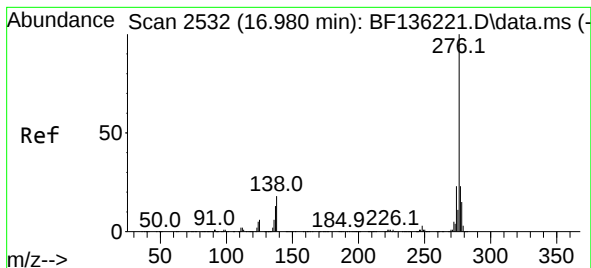
Ion Ratio Lower Upper

264 100

260 23.7 18.6 27.8

265 20.4 15.7 23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.769 ng

RT: 16.957 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF136289.D

Acq: 29 Nov 2023 18:11

Instrument :

BNA_F

ClientSampleId :

TR-06-11222023

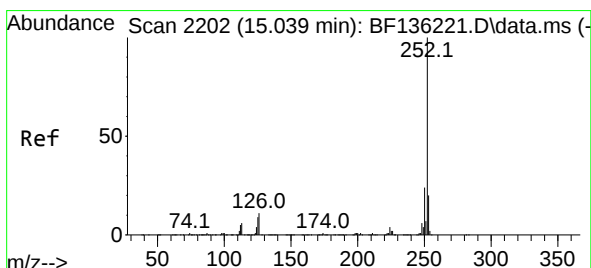
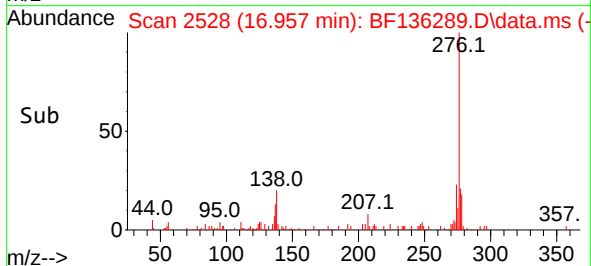
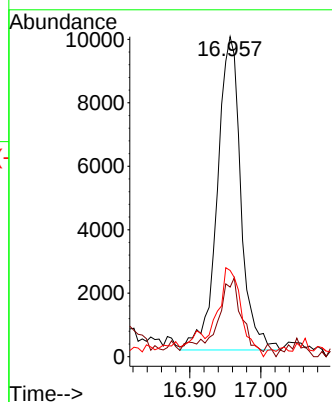
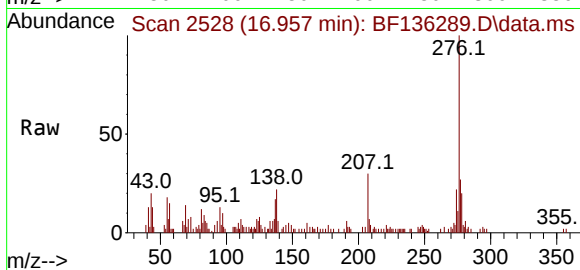
Tgt Ion:276 Resp: 22710

Ion Ratio Lower Upper

276 100

138 23.4 17.7 26.5

277 27.9 19.6 29.4



#88

Benzo(b)fluoranthene

Concen: 4.592 ng

RT: 15.027 min Scan# 2200

Delta R.T. -0.012 min

Lab File: BF136289.D

Acq: 29 Nov 2023 18:11

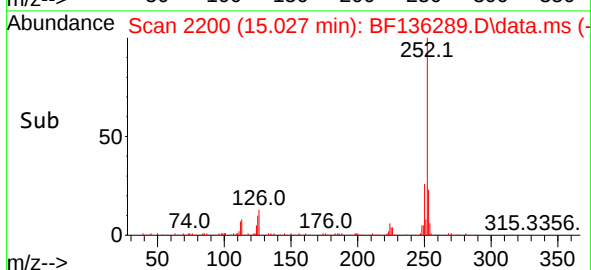
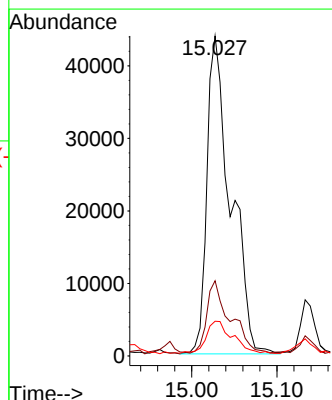
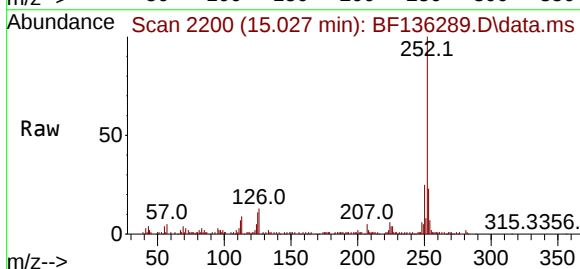
Tgt Ion:252 Resp: 84830

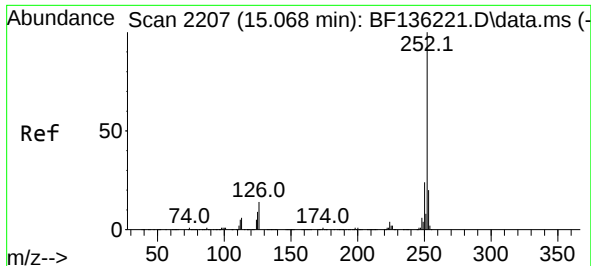
Ion Ratio Lower Upper

252 100

253 23.5 16.2 24.2

125 10.8 6.9 10.3#

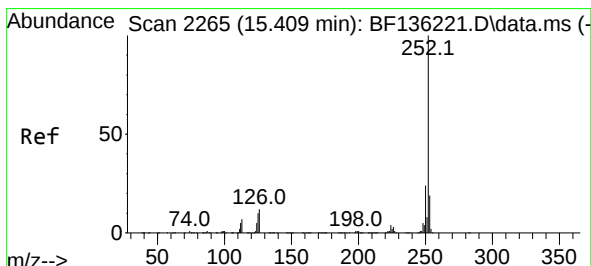
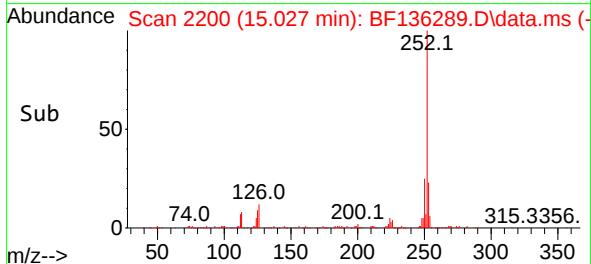
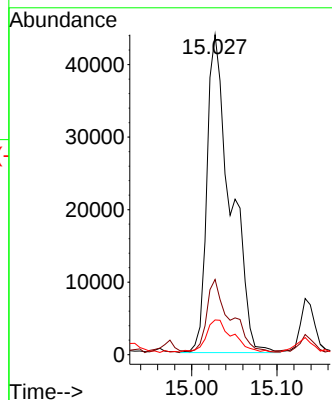
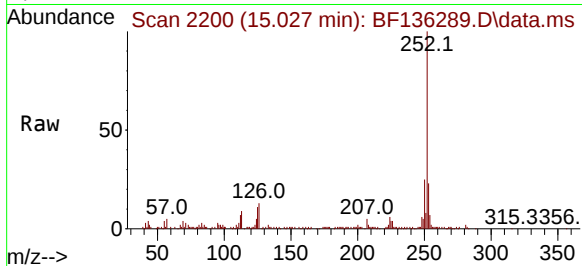




#89
Benzo(k)fluoranthene
Concen: 4.835 ng
RT: 15.027 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

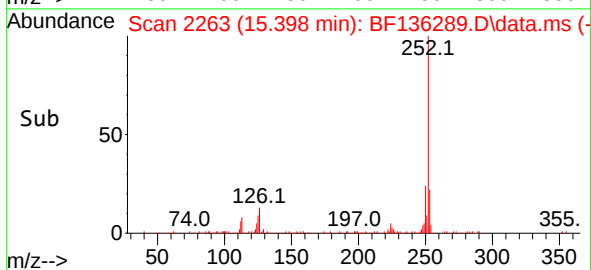
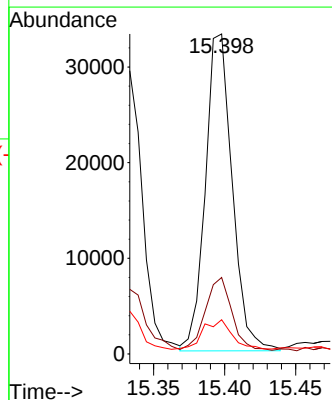
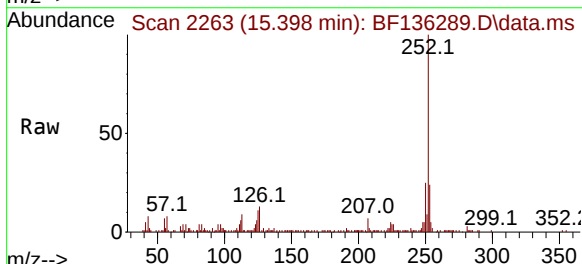
Instrument :
BNA_F
ClientSampleId :
TR-06-11222023

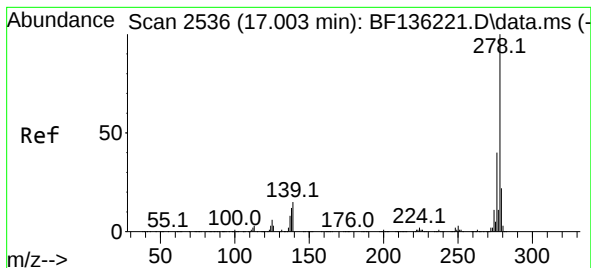
Tgt Ion:252 Resp: 84830
Ion Ratio Lower Upper
252 100
253 23.5 15.6 23.4#
125 10.8 7.0 10.4#



#90
Benzo(a)pyrene
Concen: 2.895 ng
RT: 15.398 min Scan# 2263
Delta R.T. -0.011 min
Lab File: BF136289.D
Acq: 29 Nov 2023 18:11

Tgt Ion:252 Resp: 43720
Ion Ratio Lower Upper
252 100
253 23.9 15.5 23.3#
125 10.7 7.9 11.9





#91

Dibenzo(a,h)anthracene

Concen: 3.182 ng

RT: 16.974 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF136289.D

Acq: 29 Nov 2023 18:11

Instrument :

BNA_F

ClientSampleId :

TR-06-11222023

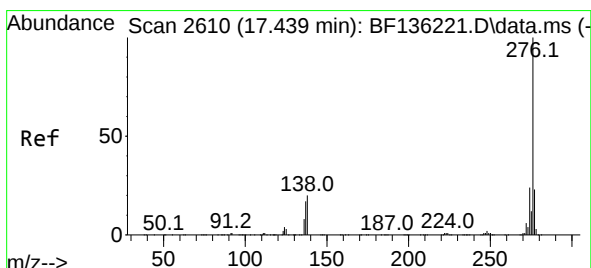
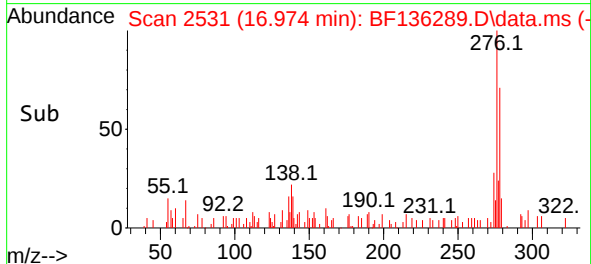
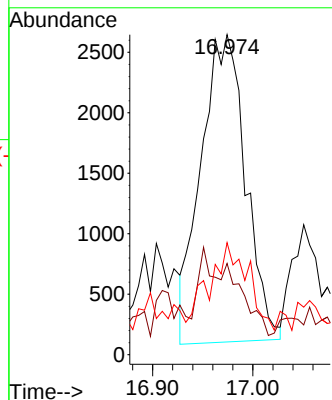
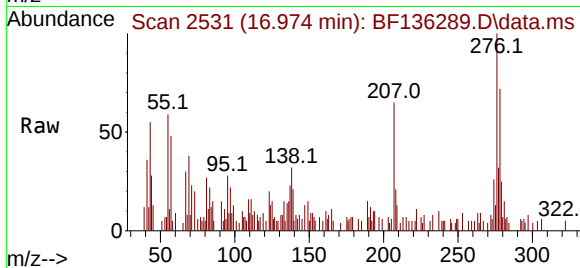
Tgt Ion:278 Resp: 7850

Ion Ratio Lower Upper

278 100

139 35.4 11.7 17.5#

279 35.0 17.8 26.8#



#92

Benzo(g,h,i)perylene

Concen: 3.220 ng

RT: 17.410 min Scan# 2605

Delta R.T. -0.029 min

Lab File: BF136289.D

Acq: 29 Nov 2023 18:11

Tgt Ion:276 Resp: 21778

Ion Ratio Lower Upper

276 100

277 23.7 18.6 27.8

138 25.2 15.8 23.8#

