

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020524\
 Data File : BF137285.D
 Acq On : 05 Feb 2024 19:49
 Operator : CG\JU
 Sample : P1338-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 06 01:17:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

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

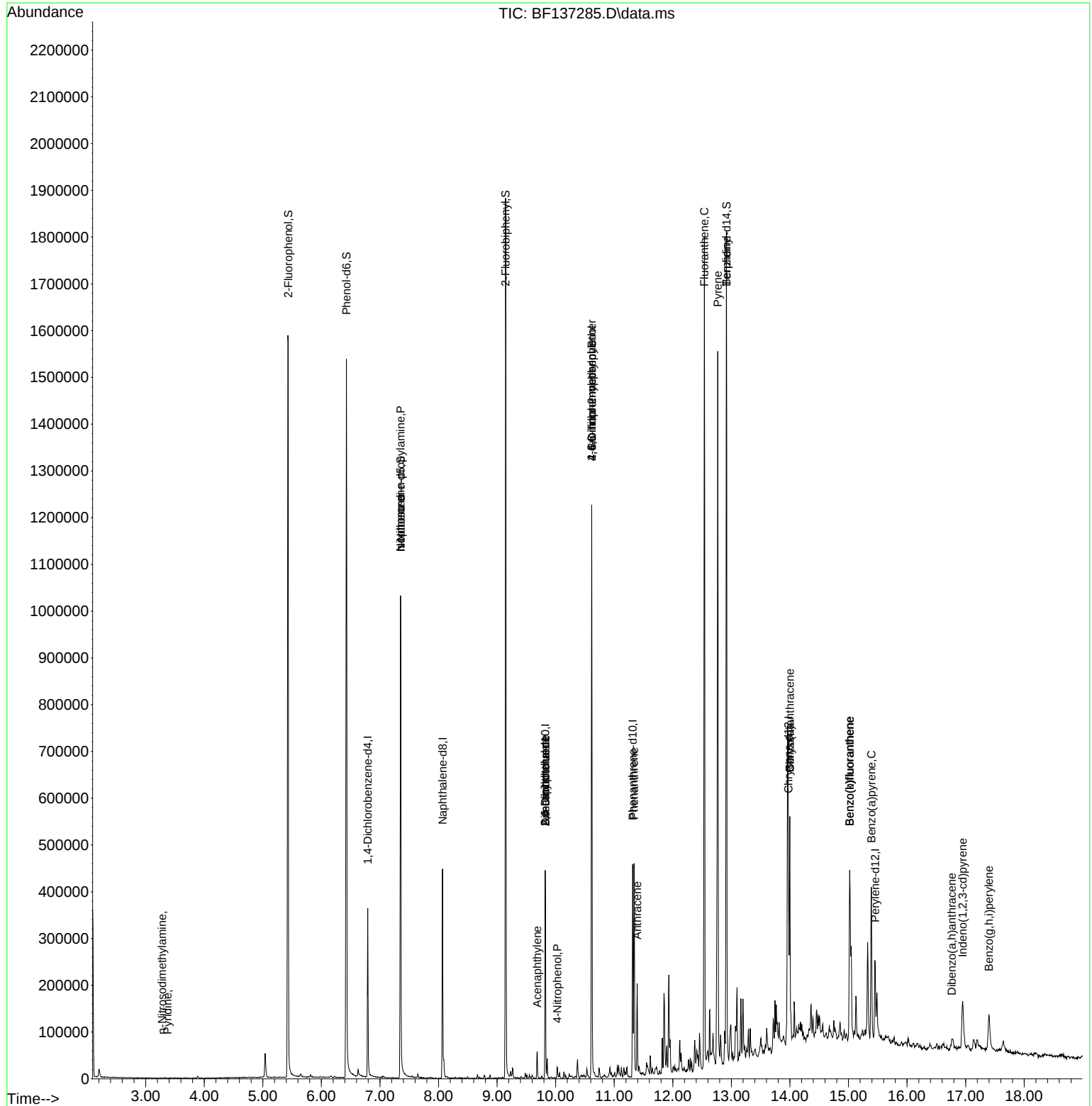
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	47946	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	172308	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	87115	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	169441	20.000	ng	0.00
76) Chrysene-d12	13.974	240	99109	20.000	ng	0.00
86) Perylene-d12	15.457	264	89796	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	462978	159.336	ng	0.02
7) Phenol-d6	6.428	99	566743	136.674	ng	0.00
23) Nitrobenzene-d5	7.351	82	361158	93.841	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	135761	137.992	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	572484	90.338	ng	0.00
79) Terphenyl-d14	12.916	244	642860	88.179	ng	0.00
Target Compounds					Qvalue	
3) Pyridine	3.375	79	69	3.057	ng	# 14
4) n-Nitrosodimethylamine	3.281	42	59	6.092	ng	# 1
19) n-Nitroso-di-n-propyla...	7.351	70	49277	17.332	ng	# 76
25) Isophorone	7.351	82	361156	50.840	ng	# 67
49) Acenaphthylene	9.686	152	25003	3.045	ng	97
50) Dimethylphthalate	9.822	163	15260	2.593	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	10780	8.590	ng	# 17
56) 4-Nitrophenol	10.028	139	2821	10.833	ng	# 1
57) 2,4-Dinitrotoluene	9.822	165	10780	6.620	ng	# 16
65) 4,6-Dinitro-2-methylph...	10.616	198	290	5.741	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	8547	4.587	ng	# 1
71) Phenanthrene	11.339	178	158193	17.834	ng	100
72) Anthracene	11.392	178	74442	8.052	ng	97
75) Fluoranthene	12.539	202	734618	79.143	ng	99
77) Benzidine	12.916	184	7821	4.407	ng	# 93
78) Pyrene	12.769	202	642290	67.436	ng	99
81) Benzo(a)anthracene	13.998	228	186751	26.607	ng	95
83) Chrysene	13.998	228	186751	27.063	ng	97
87) Indeno(1,2,3-cd)pyrene	16.951	276	99684	15.801	ng	# 91
88) Benzo(b)fluoranthene	15.021	252	299801	54.289	ng	99
89) Benzo(k)fluoranthene	15.021	252	299801	51.318	ng	99
90) Benzo(a)pyrene	15.392	252	167439	32.219	ng	99
91) Dibenzo(a,h)anthracene	16.762	278	16321	3.229	ng	96
92) Benzo(g,h,i)perylene	17.398	276	80805	16.287	ng	97

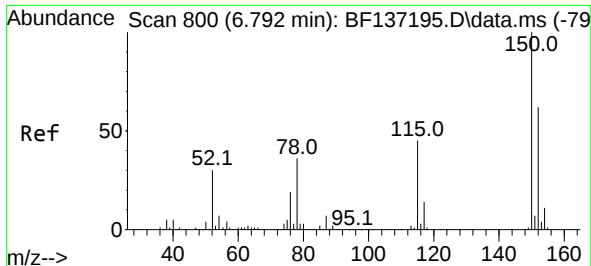
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020524\
Data File : BF137285.D
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Misc :
ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId :

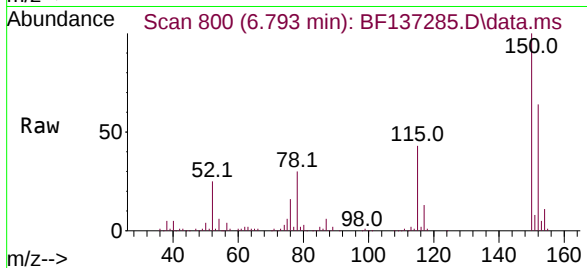
Quant Time: Feb 06 01:17:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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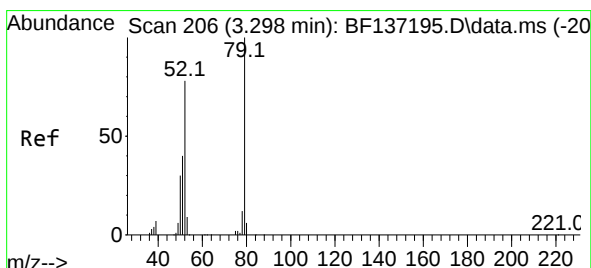
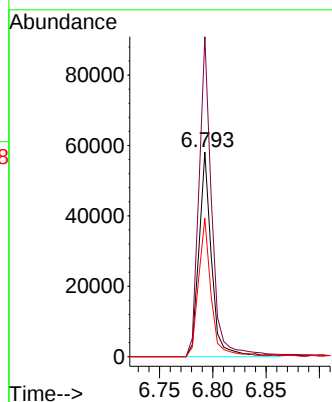
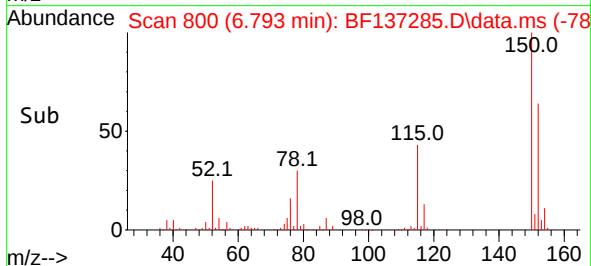


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. 0.001 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

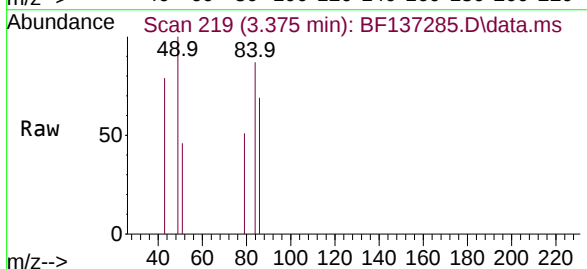
Instrument :
BNA_F
ClientSampleId :



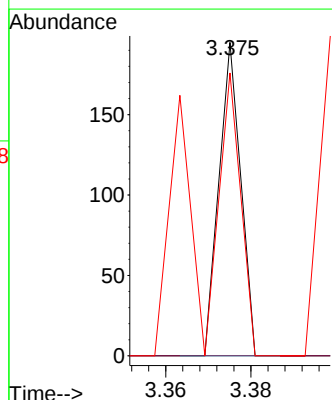
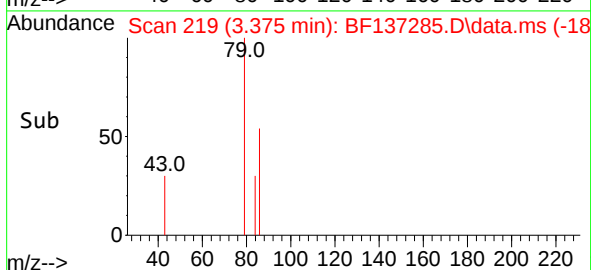
Tgt Ion:152 Resp: 47946
Ion Ratio Lower Upper
152 100
150 156.4 129.8 194.8
115 67.6 58.5 87.7

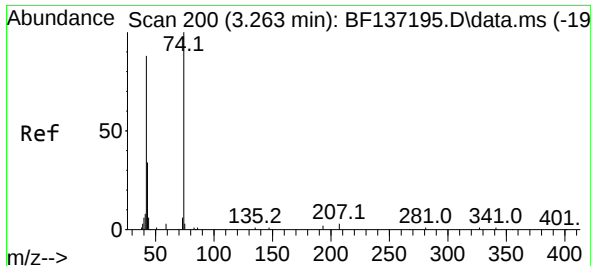


#3
Pyridine
Concen: 3.057 ng
RT: 3.375 min Scan# 219
Delta R.T. 0.077 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49



Tgt Ion: 79 Resp: 69
Ion Ratio Lower Upper
79 100
52 0.0 62.6 94.0#
51 90.3 33.0 49.4#

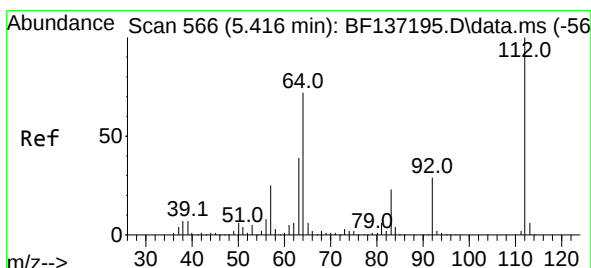
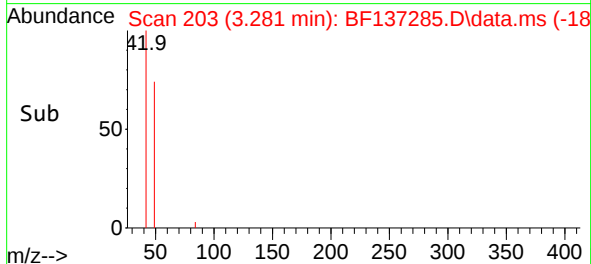
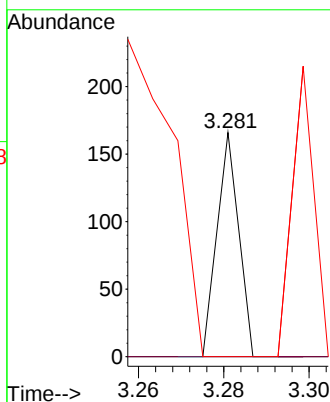
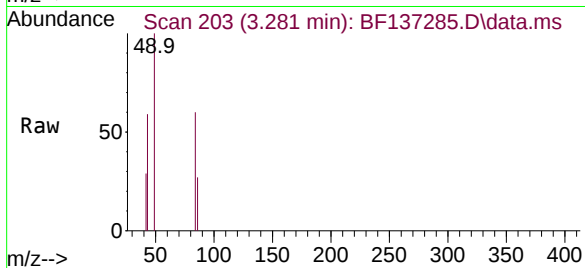




#4
n-Nitrosodimethylamine
Concen: 6.092 ng
RT: 3.281 min Scan# 20
Delta R.T. 0.018 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

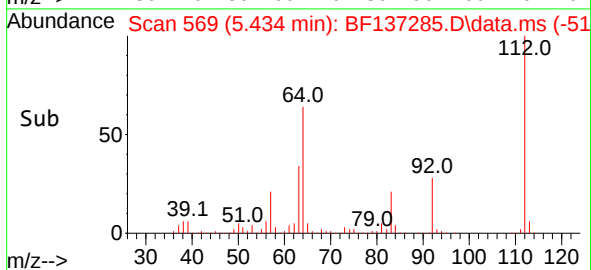
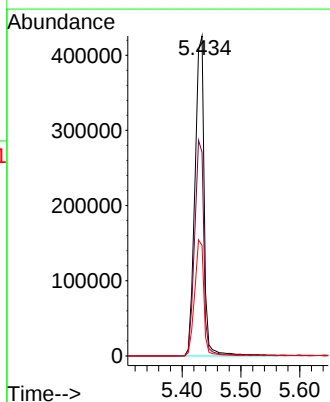
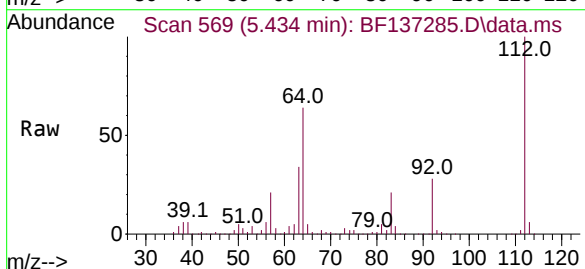
Instrument :
BNA_F
ClientSampleId :

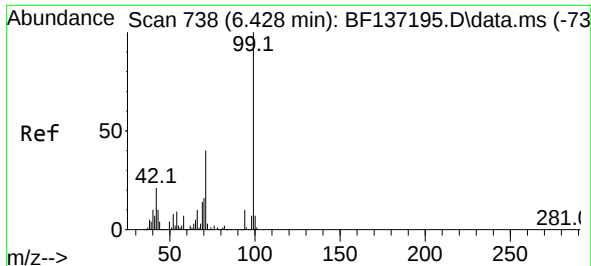
Tgt Ion: 42 Resp: 59
Ion Ratio Lower Upper
42 100
74 0.0 90.5 135.7#
44 0.0 6.1 9.1#



#5
2-Fluorophenol
Concen: 159.336 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.018 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

Tgt Ion: 112 Resp: 462978
Ion Ratio Lower Upper
112 100
64 63.7 57.8 86.6
63 34.5 31.4 47.0

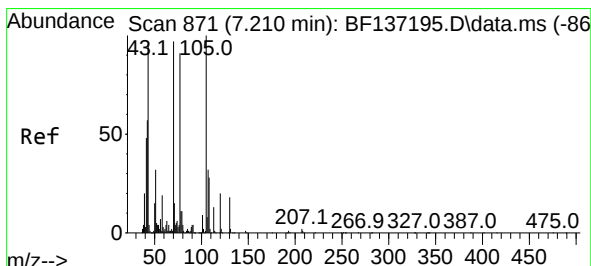
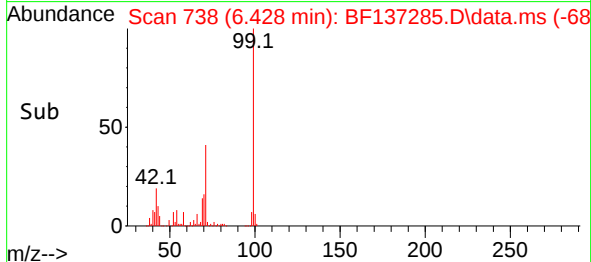
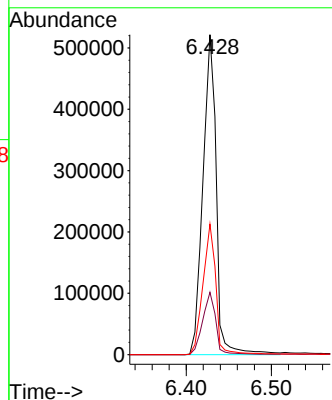
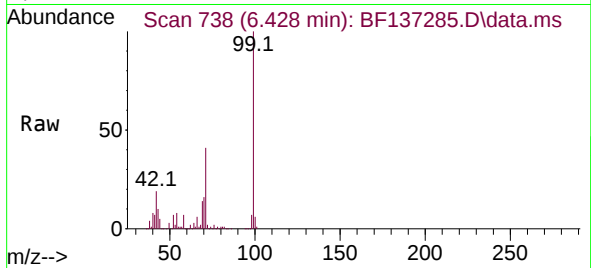




#7
Phenol-d6
Concen: 136.674 ng
RT: 6.428 min Scan# 738
Delta R.T. 0.000 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

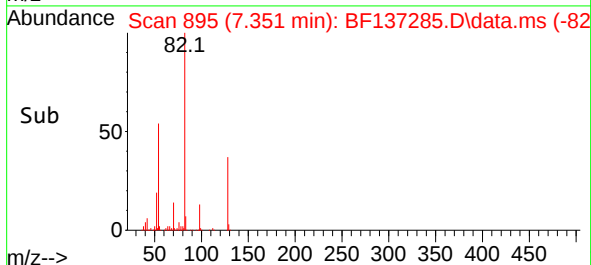
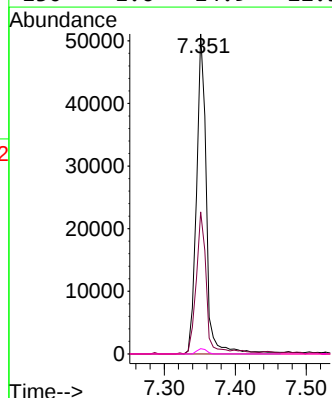
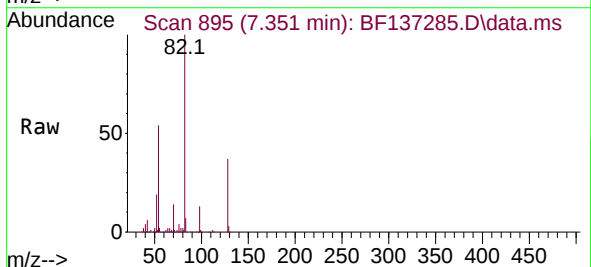
Instrument :
BNA_F
ClientSampleId :

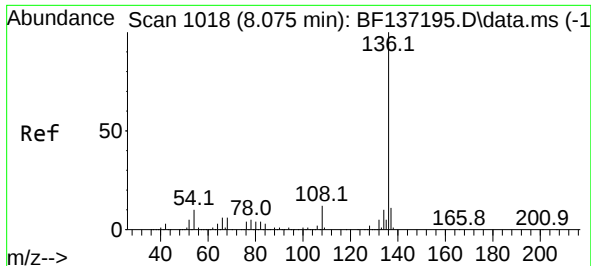
Tgt Ion: 99 Resp: 566743
Ion Ratio Lower Upper
99 100
42 19.5 16.4 24.6
71 40.8 32.4 48.6



#19
n-Nitroso-di-n-propylamine
Concen: 17.332 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

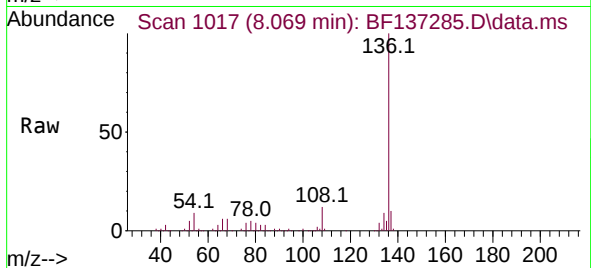
Tgt Ion: 70 Resp: 49277
Ion Ratio Lower Upper
70 100
42 44.4 47.2 70.8#
101 0.0 7.4 11.0#
130 1.6 14.9 22.3#



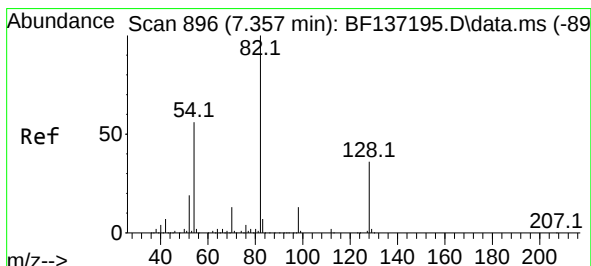
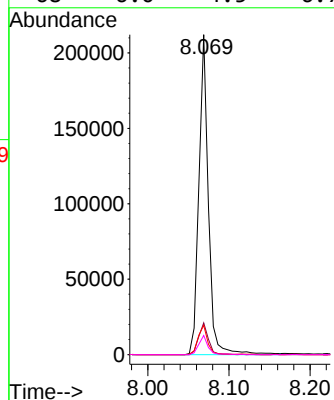
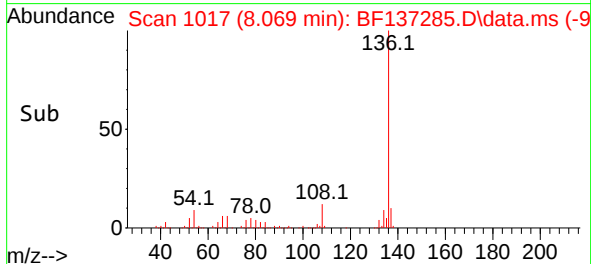


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

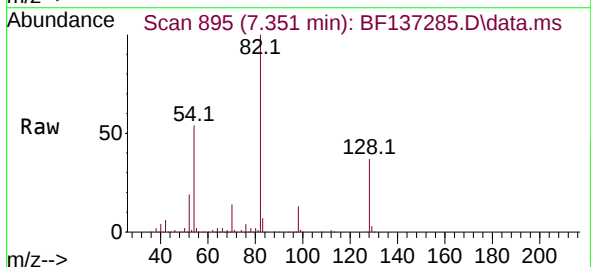
Instrument :
BNA_F
ClientSampleId :



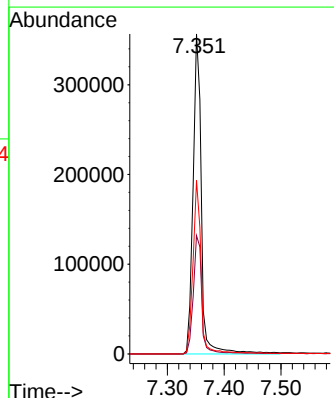
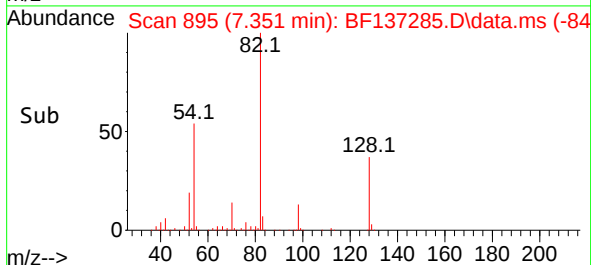
Tgt Ion:	136	Resp:	172308
Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.9	13.3
54	9.1	7.8	11.8
68	6.0	4.5	6.7

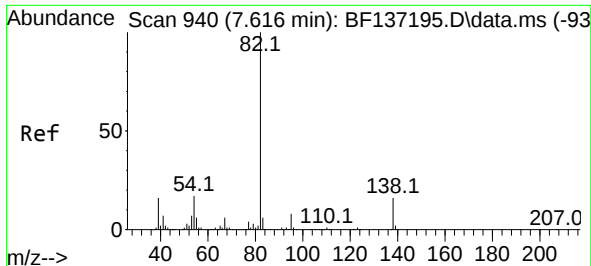


#23
Nitrobenzene-d5
Concen: 93.841 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49



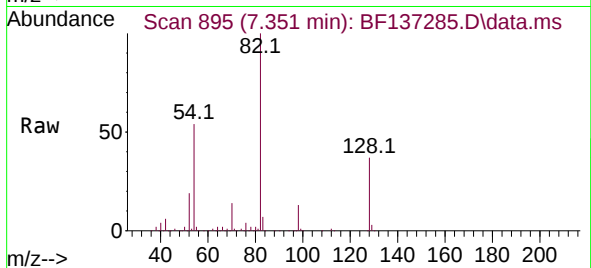
Tgt Ion:	82	Resp:	361158
Ion	Ratio	Lower	Upper
82	100		
128	37.0	29.1	43.7
54	54.2	45.0	67.6



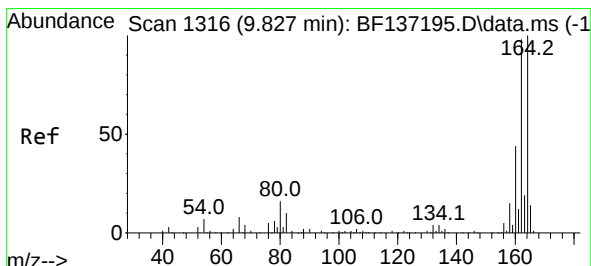
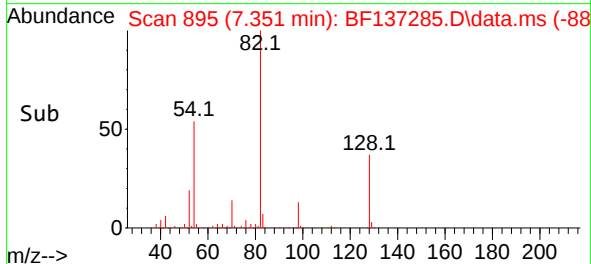
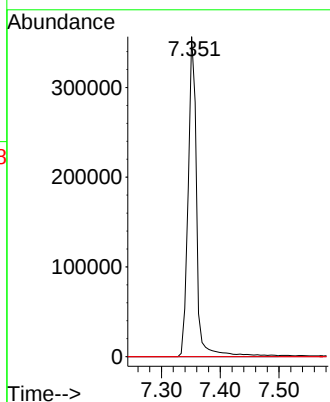


#25
Isophorone
Concen: 50.840 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

Instrument :
BNA_F
ClientSampleId :

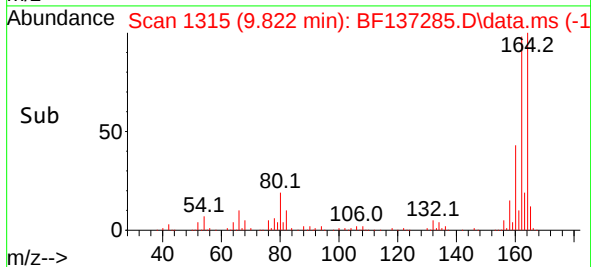
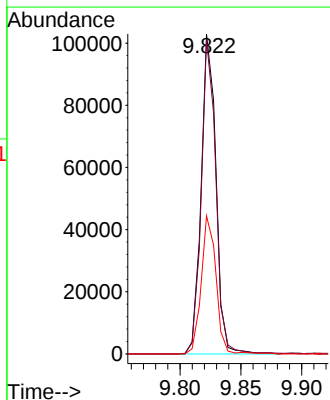
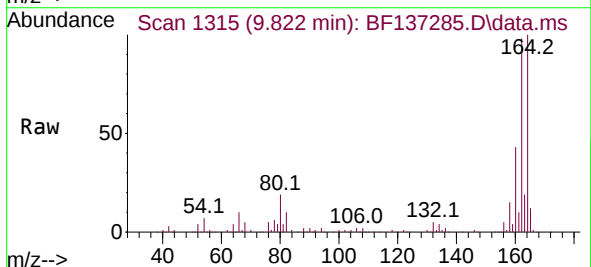


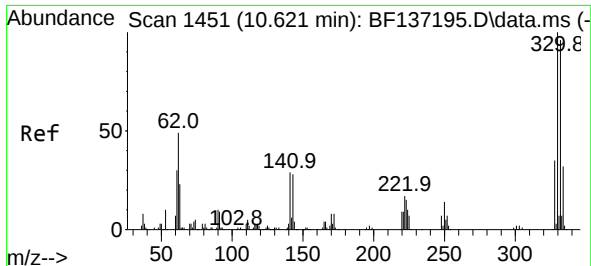
Tgt Ion: 82 Resp: 361156
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 12.7 19.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137285.D
Acq: 05 Feb 2024 19:49

Tgt Ion: 164 Resp: 87115
Ion Ratio Lower Upper
164 100
162 98.2 78.3 117.5
160 43.1 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 137.992 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.006 min

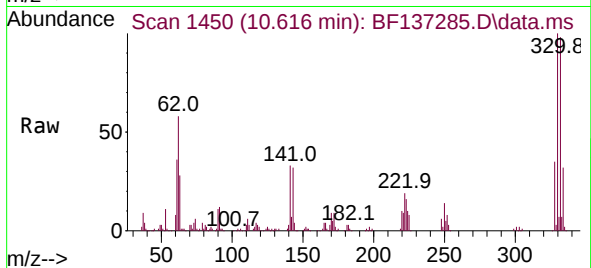
Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

Instrument :

BNA_F

ClientSampleId :



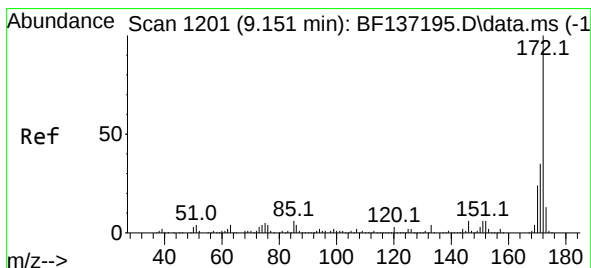
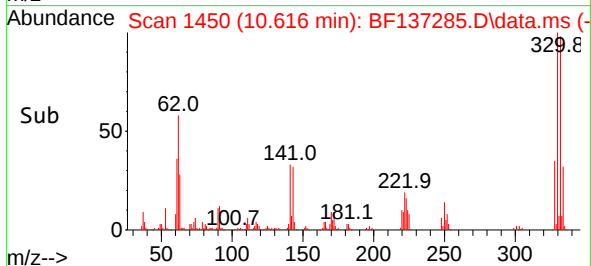
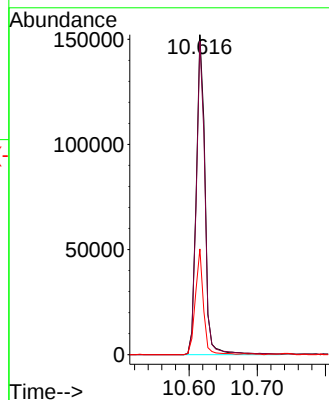
Tgt Ion:330 Resp: 135761

Ion Ratio Lower Upper

330 100

332 96.3 77.3 115.9

141 30.4 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 90.338 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

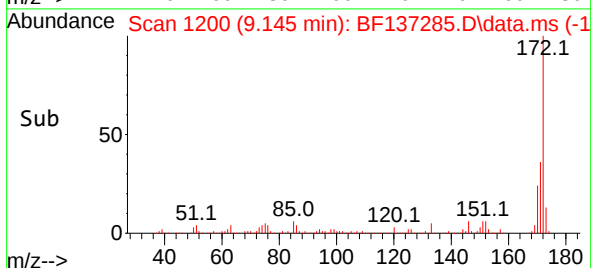
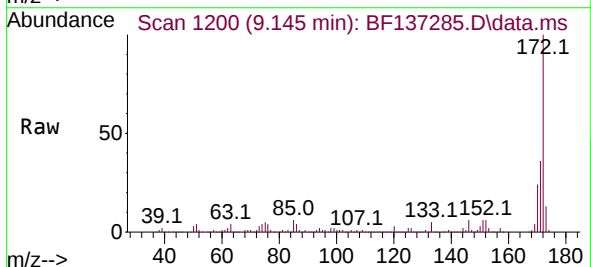
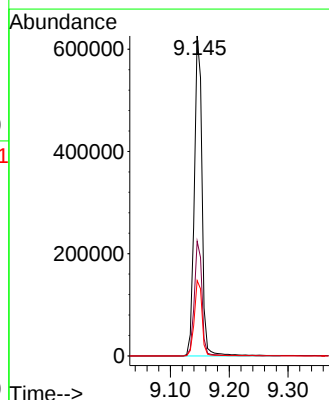
Tgt Ion:172 Resp: 572484

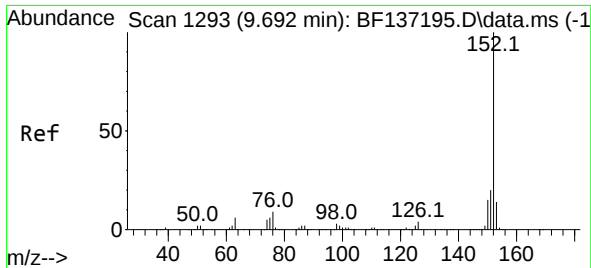
Ion Ratio Lower Upper

172 100

171 35.8 28.3 42.5

170 23.5 19.1 28.7





#49

Acenaphthylene

Concen: 3.045 ng

RT: 9.686 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

Instrument :

BNA_F

ClientSampleId :

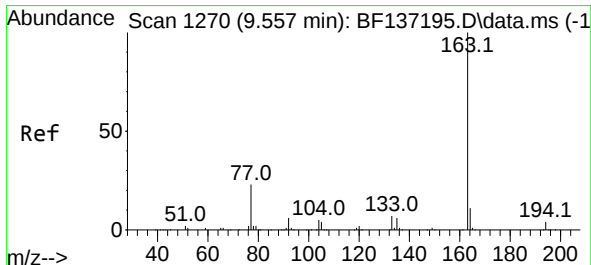
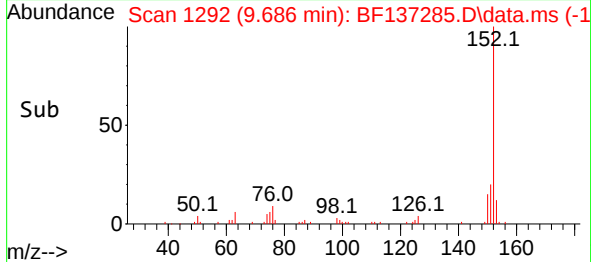
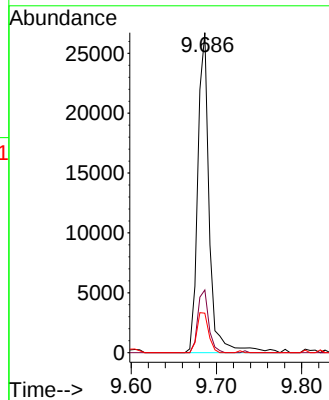
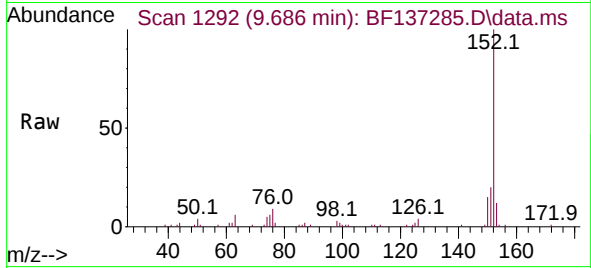
Tgt Ion:152 Resp: 25003

Ion Ratio Lower Upper

152 100

151 19.6 16.3 24.5

153 12.3 11.2 16.8



#50

Dimethylphthalate

Concen: 2.593 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.265 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

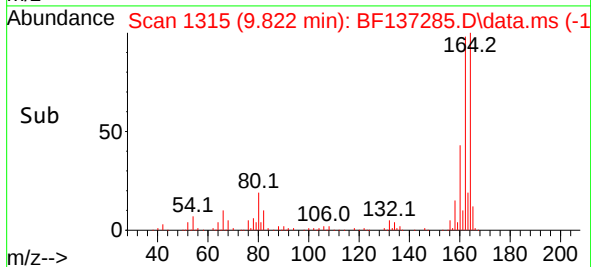
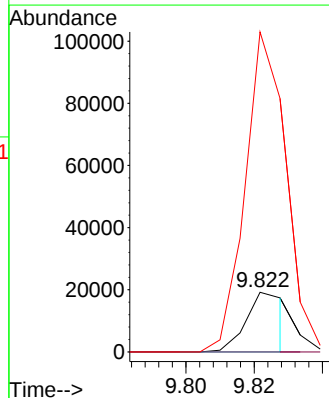
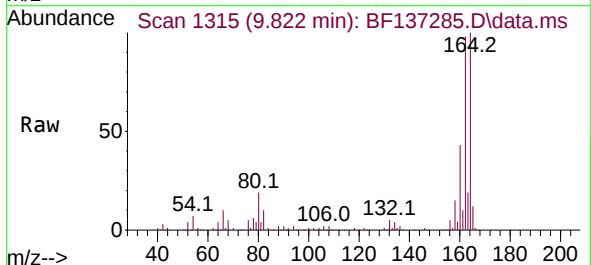
Tgt Ion:163 Resp: 15260

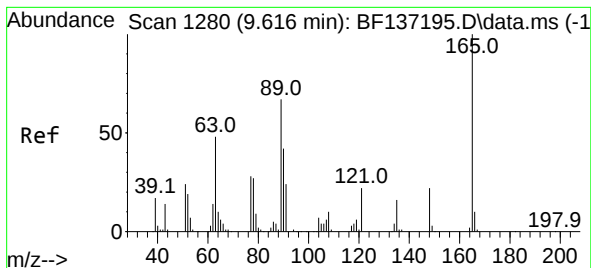
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 536.5 8.6 13.0#





#51

2,6-Dinitrotoluene

Concen: 8.590 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.206 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

Instrument :

BNA_F

ClientSampleId :

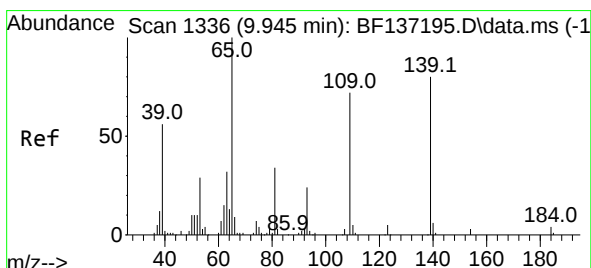
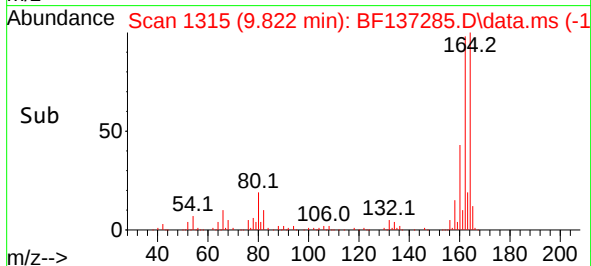
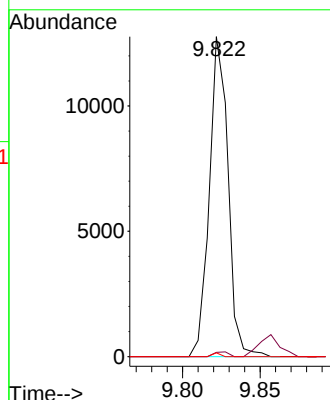
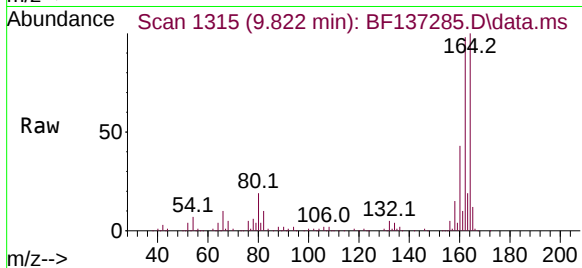
Tgt Ion:165 Resp: 10780

Ion Ratio Lower Upper

165 100

63 1.3 55.1 82.7#

89 1.2 53.5 80.3#



#56

4-Nitrophenol

Concen: 10.833 ng

RT: 10.028 min Scan# 1350

Delta R.T. 0.083 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

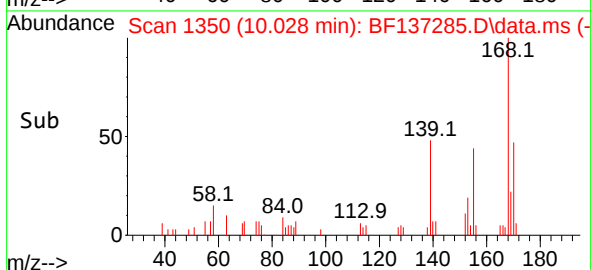
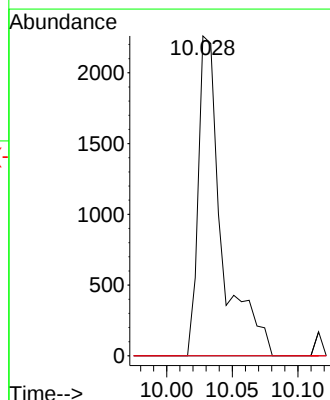
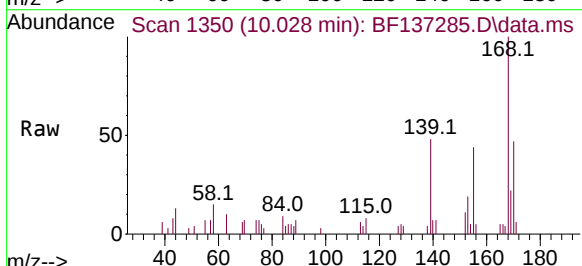
Tgt Ion:139 Resp: 2821

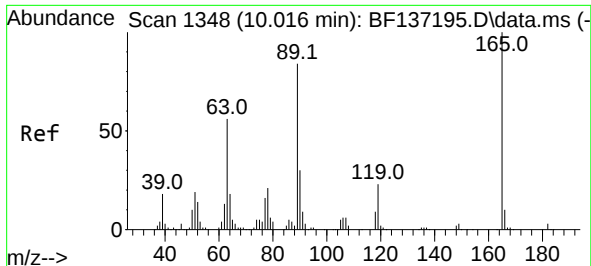
Ion Ratio Lower Upper

139 100

109 0.0 70.4 110.4#

65 0.0 107.6 147.6#





#57

2,4-Dinitrotoluene

Concen: 6.620 ng

RT: 9.822 min Scan# 1348

Delta R.T. -0.194 min

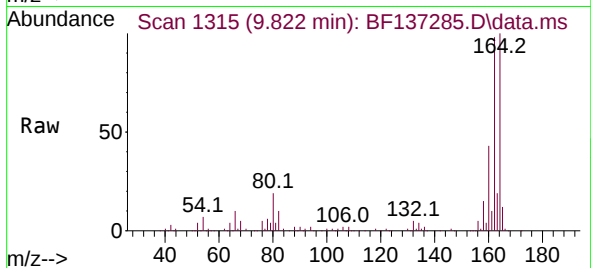
Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:165 Resp: 10780

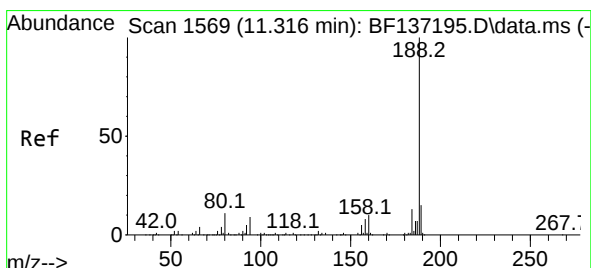
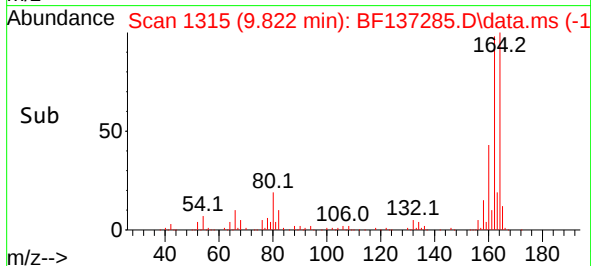
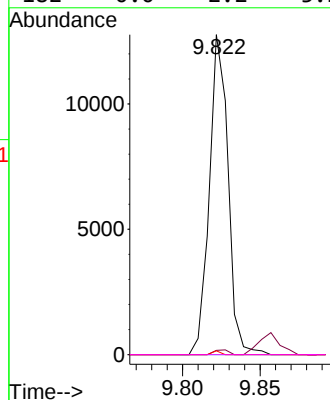
Ion Ratio Lower Upper

165 100

63 1.3 46.1 69.1#

89 1.2 67.5 101.3#

182 0.0 2.2 3.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1569

Delta R.T. -0.000 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

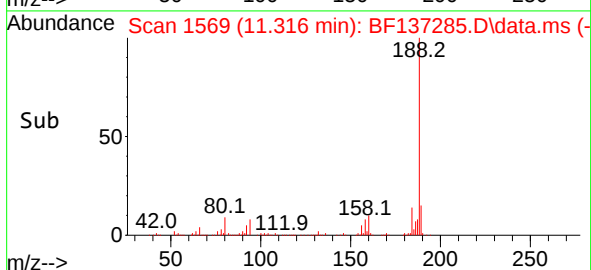
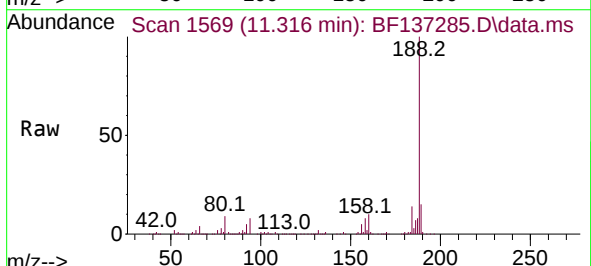
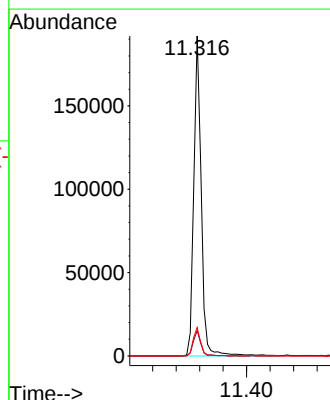
Tgt Ion:188 Resp: 169441

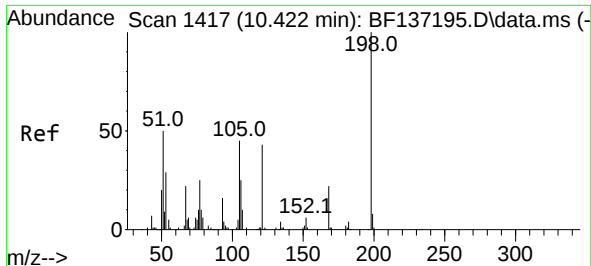
Ion Ratio Lower Upper

188 100

94 7.9 7.0 10.4

80 8.9 8.8 13.2





#65

4,6-Dinitro-2-methylphenol

Concen: 5.741 ng

RT: 10.616 min Scan# 1417

Delta R.T. 0.194 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

Instrument :

BNA_F

ClientSampleId :

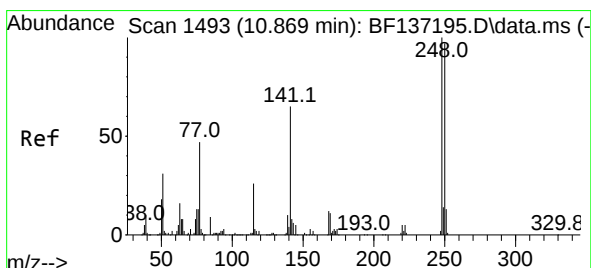
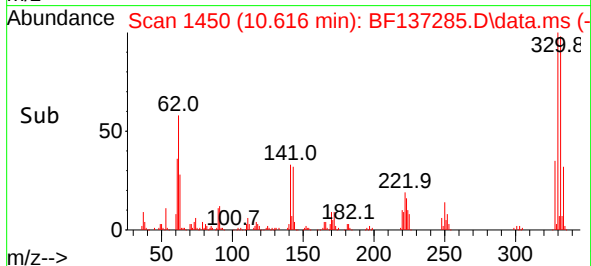
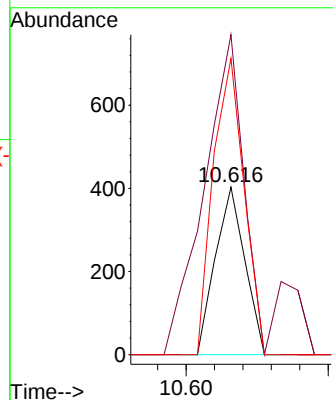
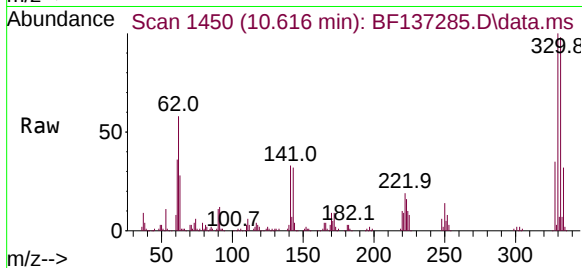
Tgt Ion:198 Resp: 290

Ion Ratio Lower Upper

198 100

51 191.1 40.9 80.9#

105 176.9 26.5 66.5#



#67

4-Bromophenyl-phenylether

Concen: 4.587 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

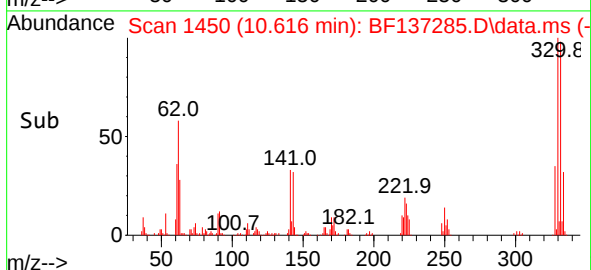
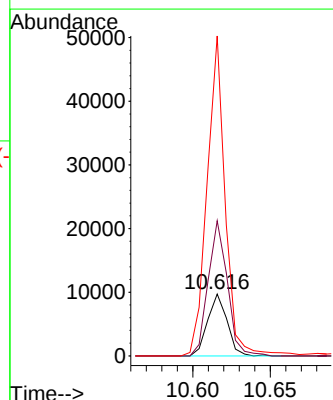
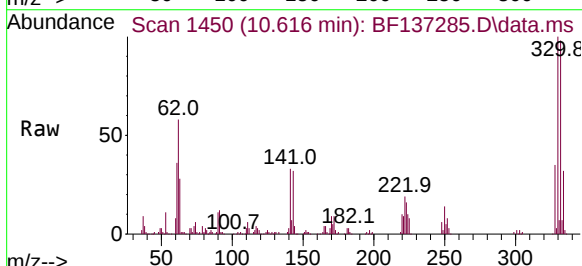
Tgt Ion:248 Resp: 8547

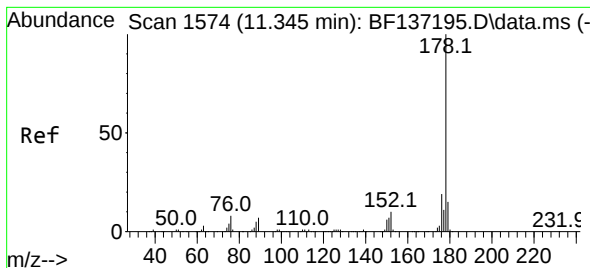
Ion Ratio Lower Upper

248 100

250 218.2 77.7 116.5#

141 517.0 51.6 77.4#





#71

Phenanthrene

Concen: 17.834 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.006 min

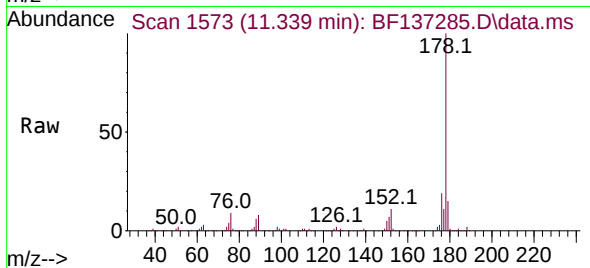
Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

Instrument :

BNA_F

ClientSampleId :



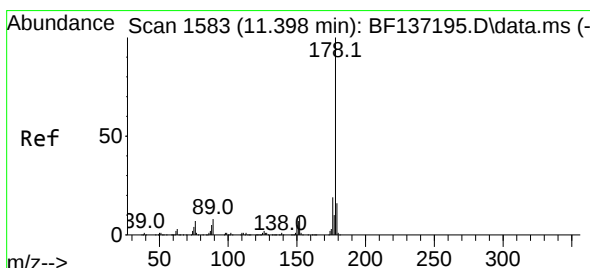
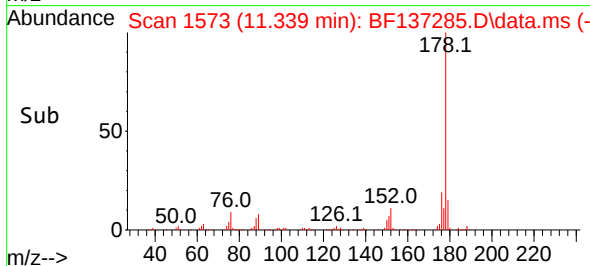
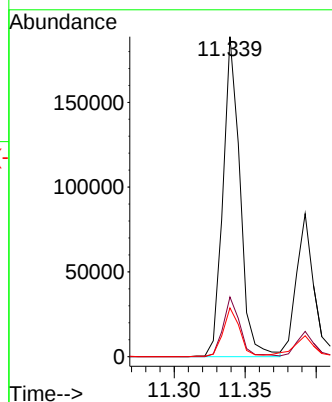
Tgt Ion:178 Resp: 158193

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

179 15.2 12.1 18.1



#72

Anthracene

Concen: 8.052 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

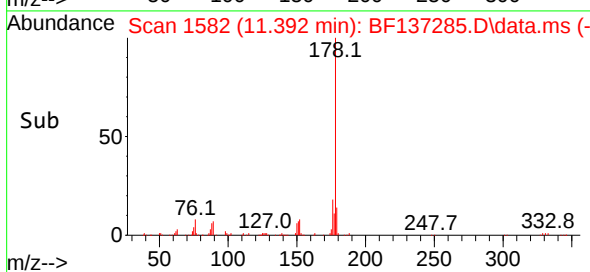
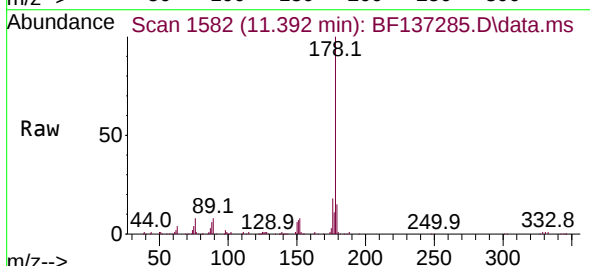
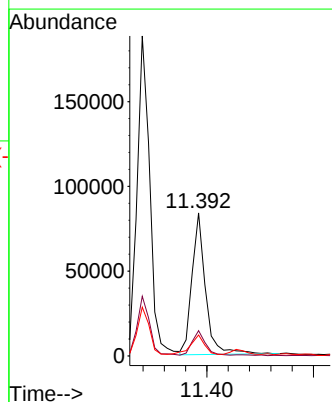
Tgt Ion:178 Resp: 74442

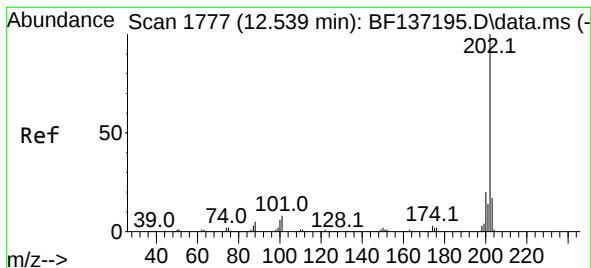
Ion Ratio Lower Upper

178 100

176 17.7 15.3 22.9

179 14.6 12.7 19.1





#75

Fluoranthene

Concen: 79.143 ng

RT: 12.539 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

Instrument :

BNA_F

ClientSampleId :

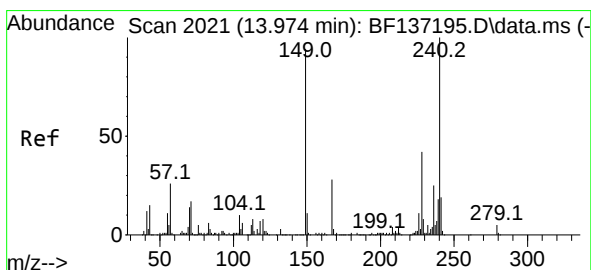
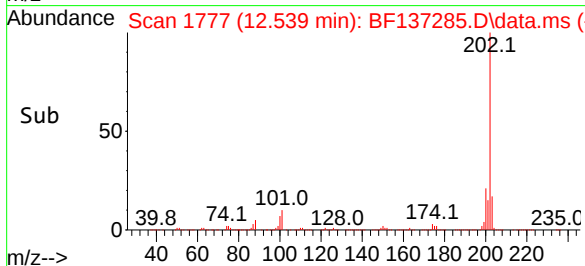
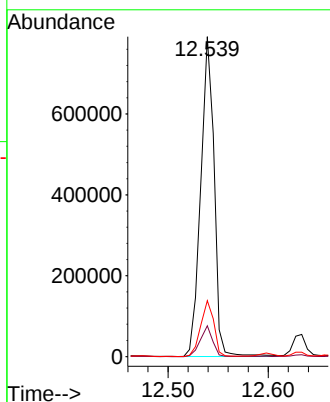
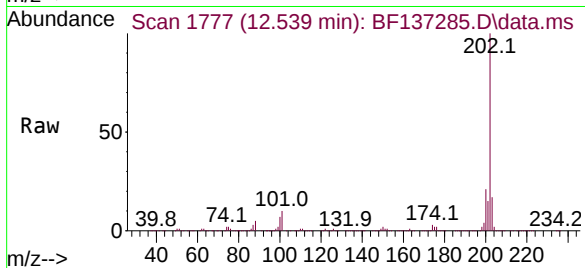
Tgt Ion:202 Resp: 734618

Ion Ratio Lower Upper

202 100

101 9.6 0.0 28.4

203 17.5 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

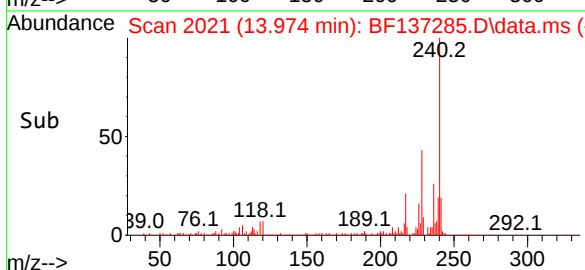
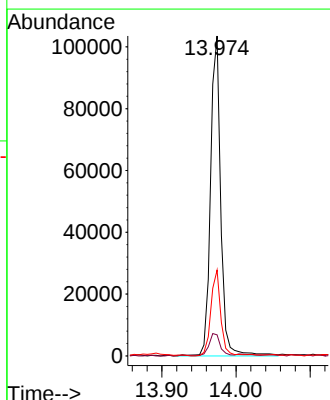
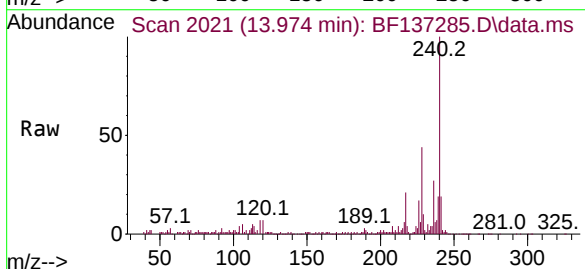
Tgt Ion:240 Resp: 99109

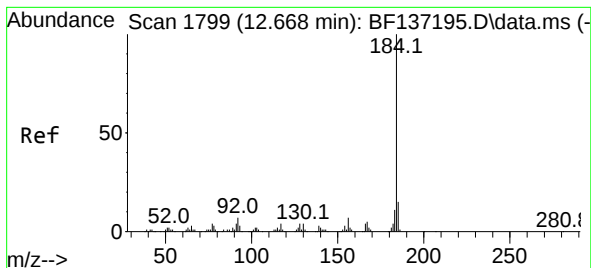
Ion Ratio Lower Upper

240 100

120 6.6 6.3 9.5

236 26.8 20.3 30.5





#77

Benzidine

Concen: 4.407 ng

RT: 12.916 min Scan# 1841

Delta R.T. 0.248 min

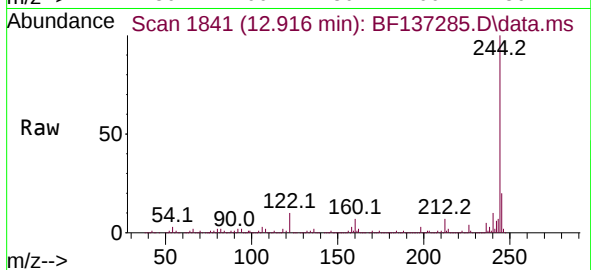
Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

Instrument :

BNA_F

ClientSampleId :



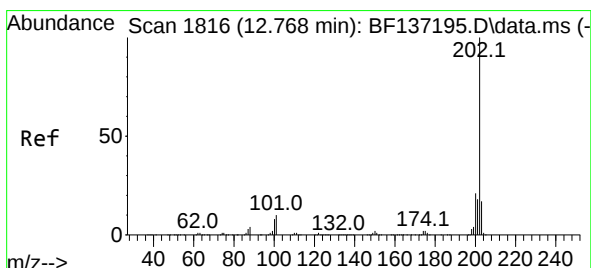
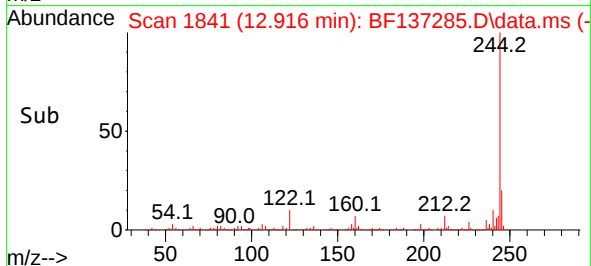
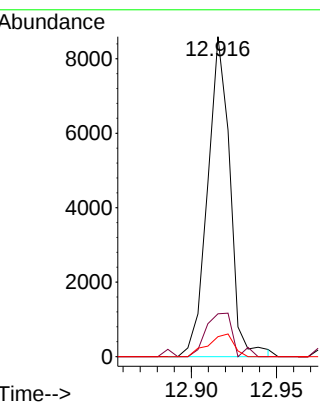
Tgt Ion:184 Resp: 7821

Ion	Ratio	Lower	Upper
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184	100		
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185	13.4	11.9	17.9
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183	6.2	8.8	13.2
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#78

Pyrene

Concen: 67.436 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

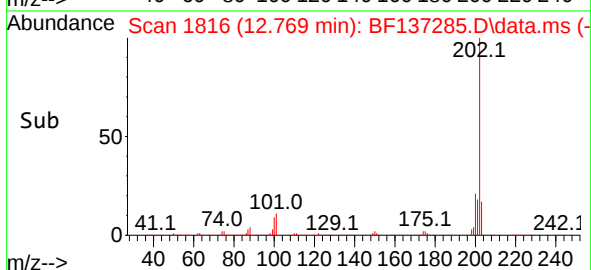
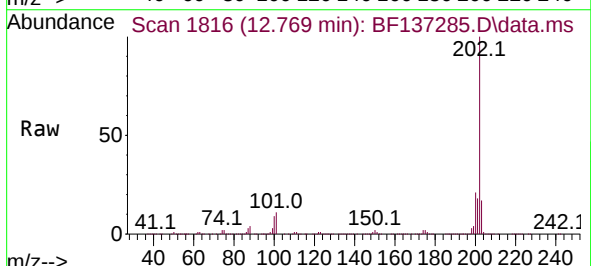
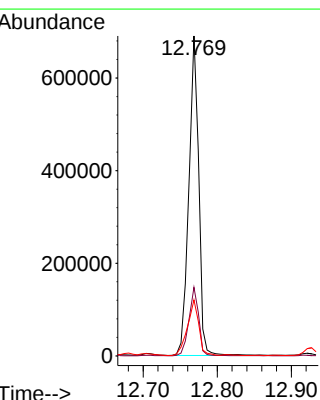
Tgt Ion:202 Resp: 642290

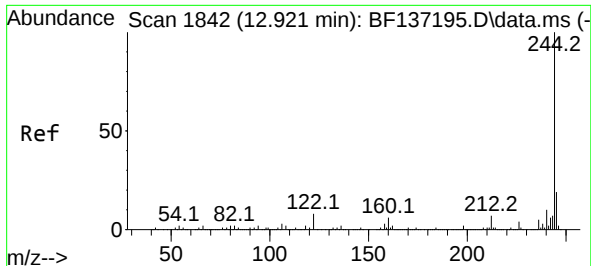
Ion	Ratio	Lower	Upper
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202	100		
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200	21.4	16.5	24.7
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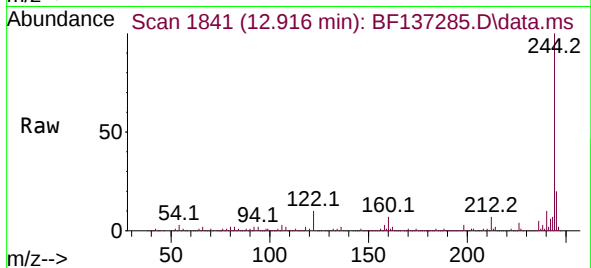
203	17.5	13.8	20.6
-----	------	------	------



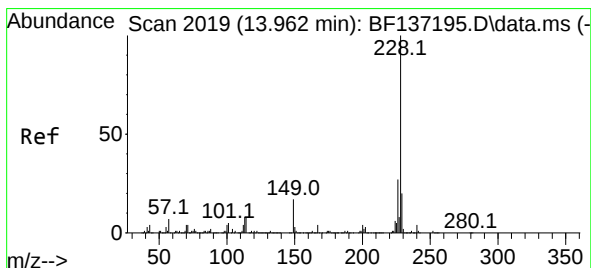
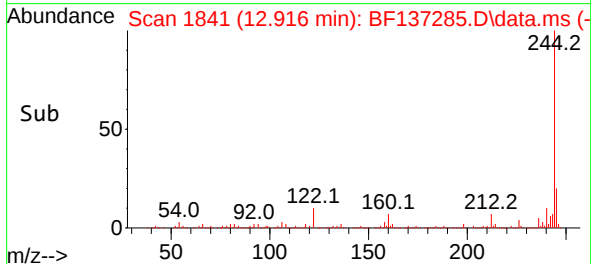
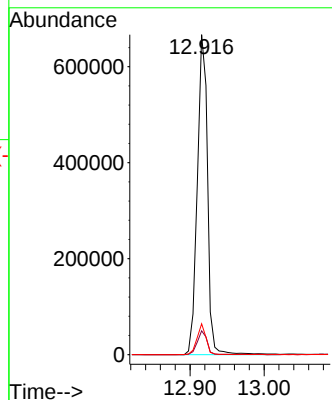


#79
 Terphenyl-d14
 Concen: 88.179 ng
 RT: 12.916 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF137285.D
 Acq: 05 Feb 2024 19:49

Instrument :
 BNA_F
 ClientSampleId :

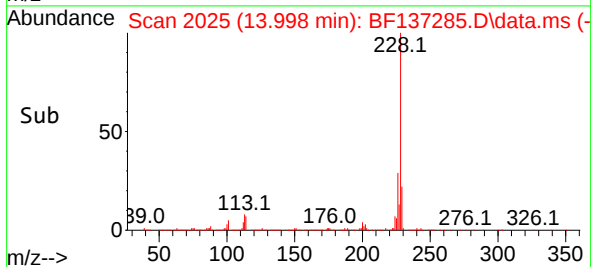
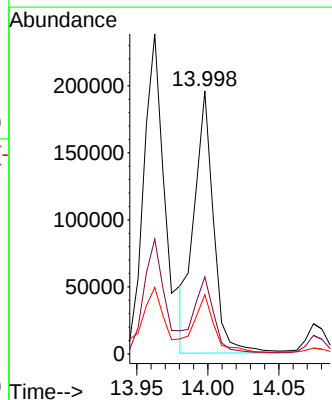
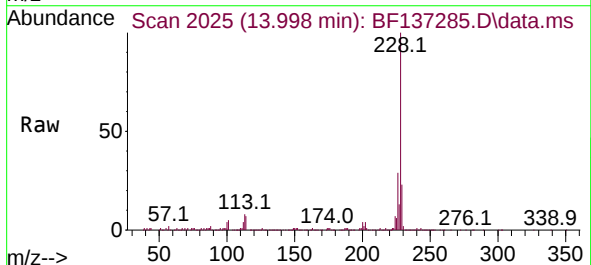


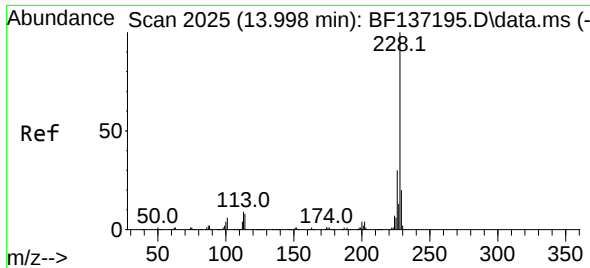
Tgt Ion:244 Resp: 642860
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.5 8.3
 122 9.6 6.2 9.4#



#81
 Benzo(a)anthracene
 Concen: 26.607 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. 0.035 min
 Lab File: BF137285.D
 Acq: 05 Feb 2024 19:49

Tgt Ion:228 Resp: 186751
 Ion Ratio Lower Upper
 228 100
 226 29.3 21.6 32.4
 229 22.5 15.8 23.6





#83

Chrysene

Concen: 27.063 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

Instrument :

BNA_F

ClientSampleId :

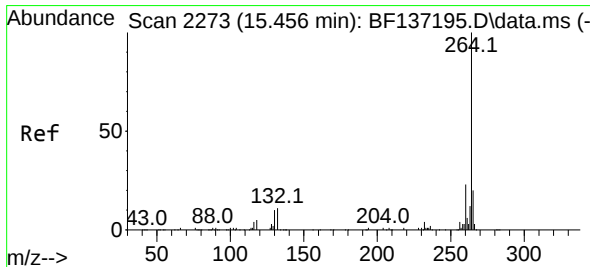
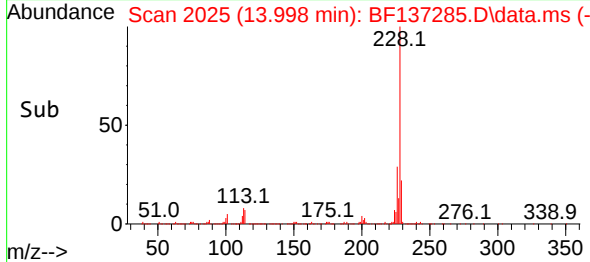
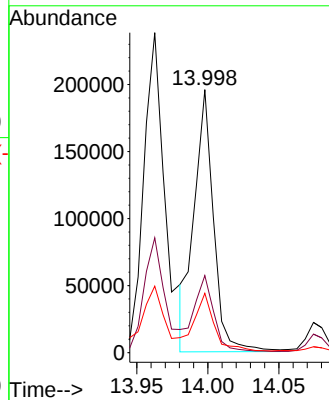
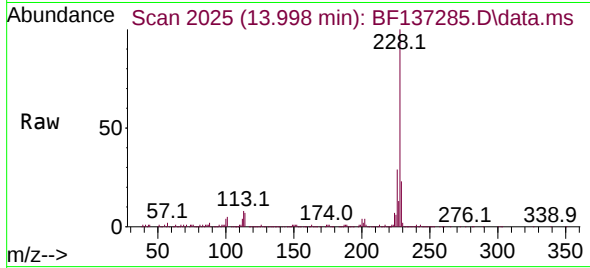
Tgt Ion:228 Resp: 186751

Ion Ratio Lower Upper

228 100

226 29.3 23.7 35.5

229 22.5 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

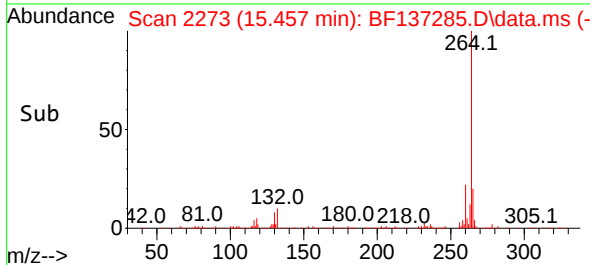
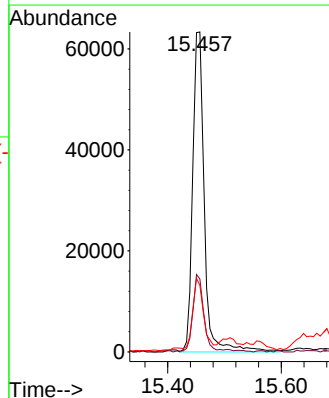
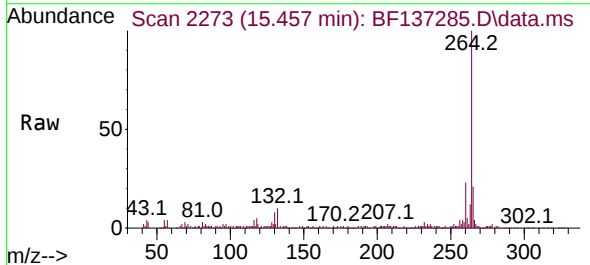
Tgt Ion:264 Resp: 89796

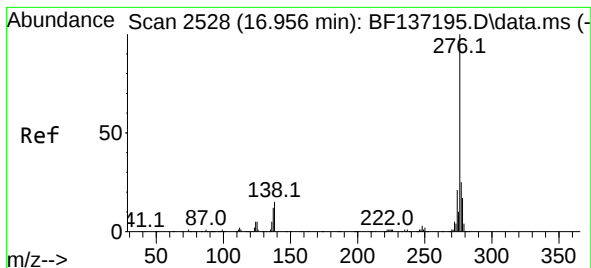
Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.4

265 20.8 16.2 24.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.801 ng

RT: 16.951 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

Instrument :

BNA_F

ClientSampleId :

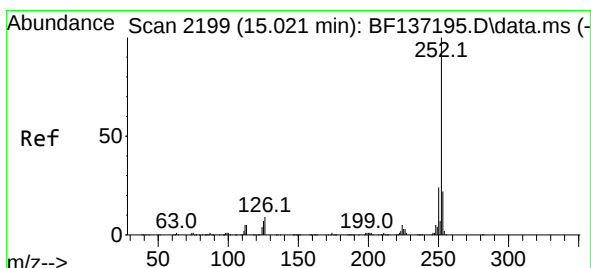
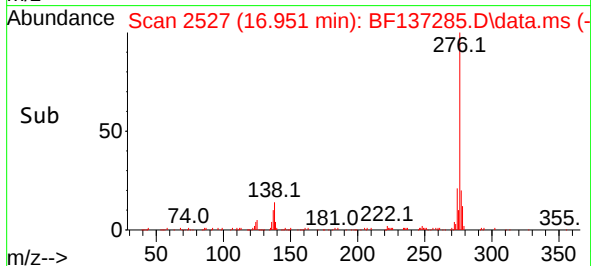
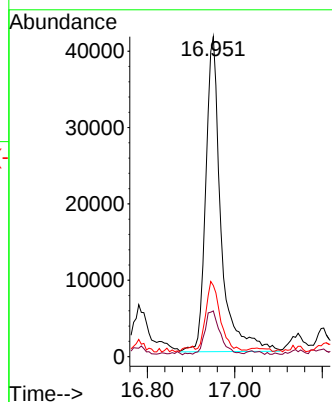
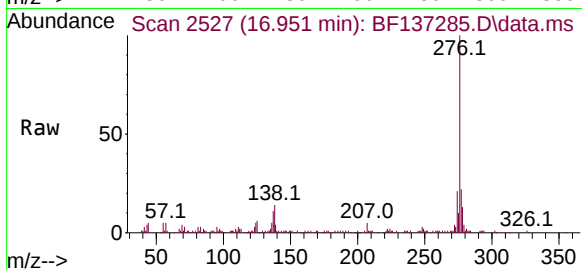
Tgt Ion:276 Resp: 99684

Ion Ratio Lower Upper

276 100

138 14.1 14.6 21.8#

277 20.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 54.289 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

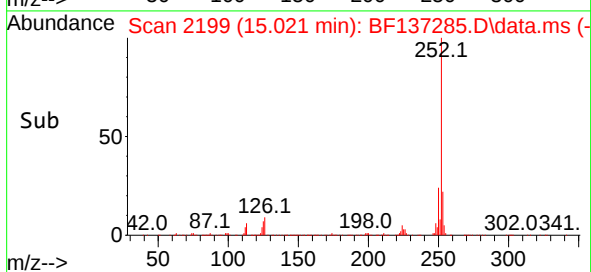
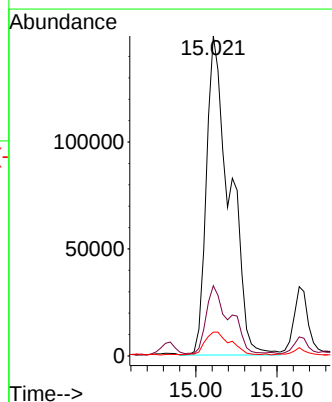
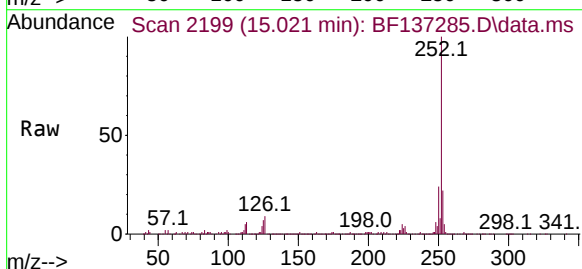
Tgt Ion:252 Resp: 299801

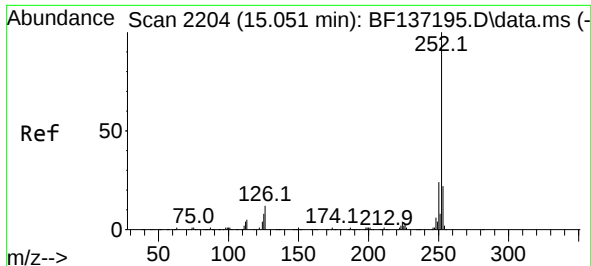
Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

125 7.4 5.4 8.2





#89

Benzo(k)fluoranthene

Concen: 51.318 ng

RT: 15.021 min Scan# 2119

Delta R.T. -0.029 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

Instrument :

BNA_F

ClientSampleId :

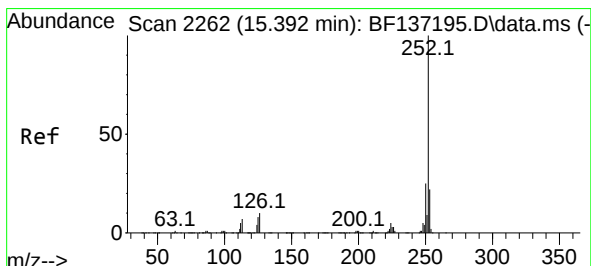
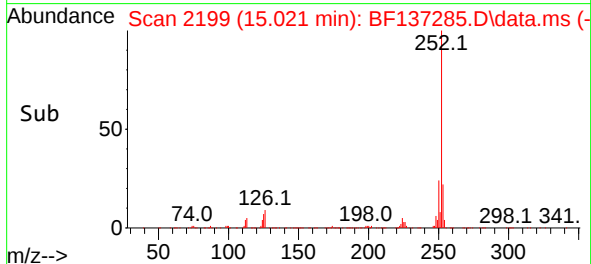
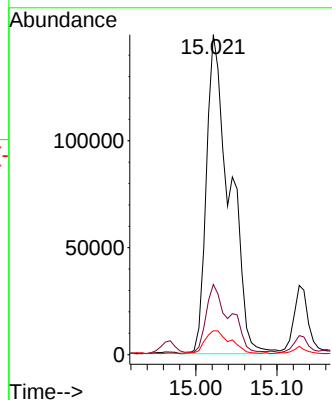
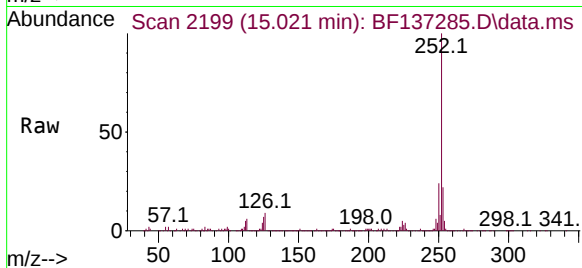
Tgt Ion:252 Resp: 299801

Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.6

125 7.4 5.9 8.9



#90

Benzo(a)pyrene

Concen: 32.219 ng

RT: 15.392 min Scan# 2262

Delta R.T. 0.000 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

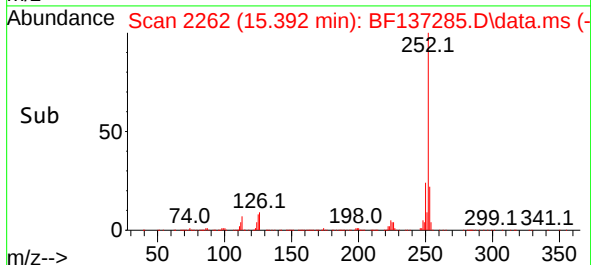
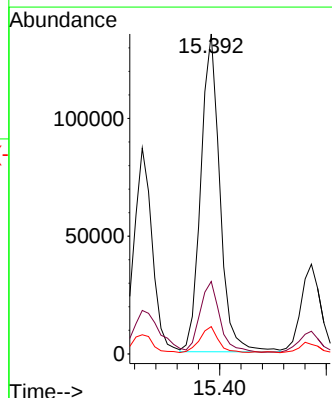
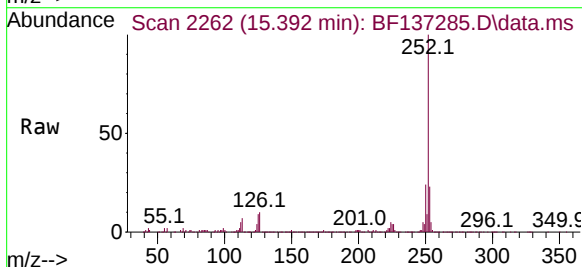
Tgt Ion:252 Resp: 167439

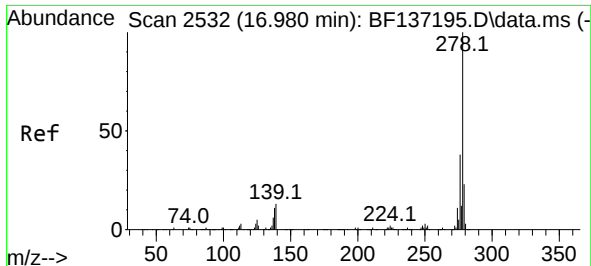
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 8.6 6.5 9.7





#91

Dibenzo(a,h)anthracene

Concen: 3.229 ng

RT: 16.762 min Scan# 24

Delta R.T. -0.217 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

Instrument :

BNA_F

ClientSampleId :

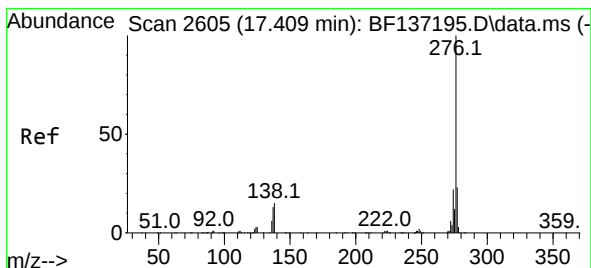
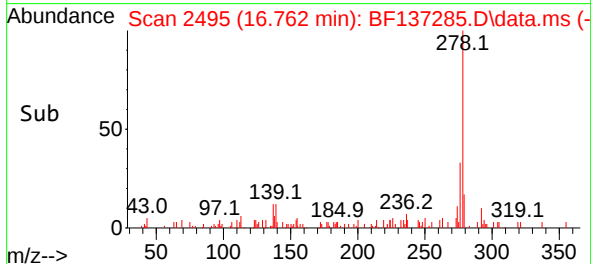
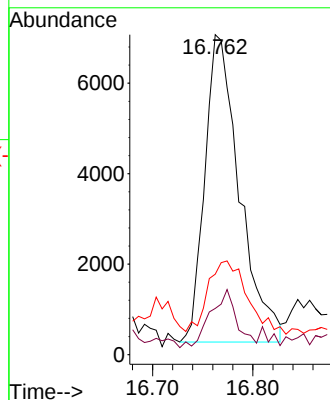
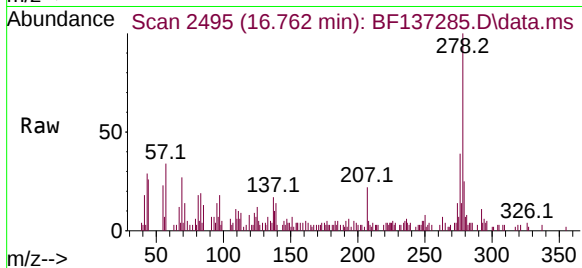
Tgt Ion:278 Resp: 16321

Ion Ratio Lower Upper

278 100

139 14.4 10.0 15.0

279 25.1 18.5 27.7



#92

Benzo(g,h,i)perylene

Concen: 16.287 ng

RT: 17.398 min Scan# 2603

Delta R.T. -0.012 min

Lab File: BF137285.D

Acq: 05 Feb 2024 19:49

Tgt Ion:276 Resp: 80805

Ion Ratio Lower Upper

276 100

277 24.1 18.4 27.6

138 16.1 11.8 17.8

