

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135824.D
 Acq On : 17 Oct 2023 21:32
 Operator : CG\JU
 Sample : 04878-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11995

Quant Time: Oct 18 02:02:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

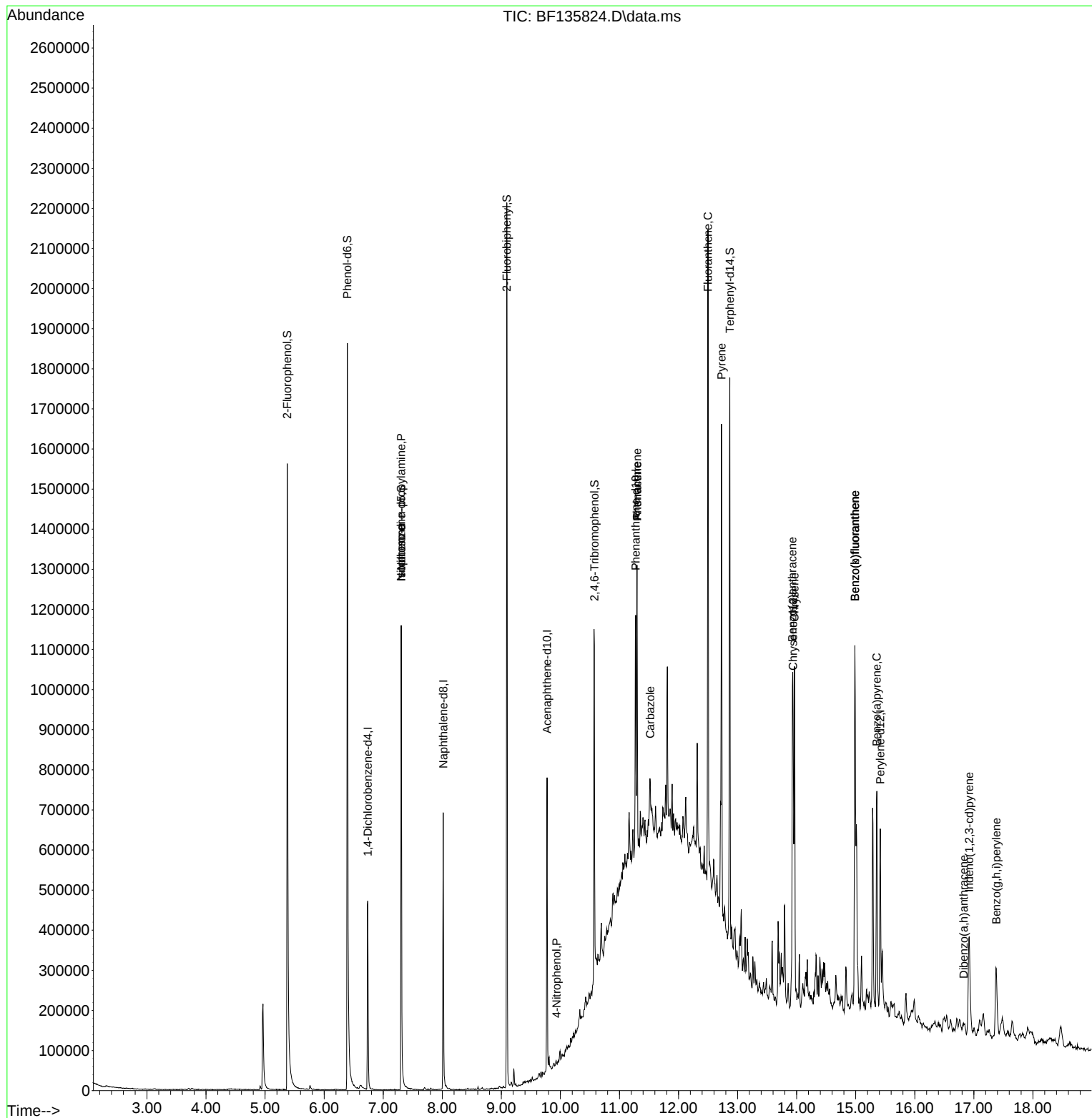
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	77142	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	289707	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	140877	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	217959	20.000	ng	0.00
76) Chrysene-d12	13.939	240	176498	20.000	ng	-0.01
86) Perylene-d12	15.416	264	214174	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	506090	105.477	ng	0.00
7) Phenol-d6	6.393	99	623381	104.127	ng	0.00
23) Nitrobenzene-d5	7.304	82	337475	64.068	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	116964	86.523	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	631403	70.076	ng	-0.01
79) Terphenyl-d14	12.869	244	490686	51.485	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	45221	12.216	ng	# 74
25) Isophorone	7.304	82	337475	33.960	ng	# 66
56) 4-Nitrophenol	9.934	139	418	5.831	ng	# 1
71) Phenanthrene	11.298	178	265437	25.422	ng	99
72) Anthracene	11.298	178	265437	24.533	ng	99
73) Carbazole	11.522	167	33451	3.315	ng	# 94
75) Fluoranthene	12.498	202	651950	56.259	ng	98
78) Pyrene	12.727	202	513509	36.613	ng	100
81) Benzo(a)anthracene	13.927	228	303951	26.218	ng	99
83) Chrysene	13.963	228	335206	29.852	ng	98
87) Indeno(1,2,3-cd)pyrene	16.921	276	178452	15.292	ng	94
88) Benzo(b)fluoranthene	14.986	252	673225	56.165	ng	99
89) Benzo(k)fluoranthene	14.986	252	673225	57.851	ng	99
90) Benzo(a)pyrene	15.357	252	296927	26.343	ng	99
91) Dibenzo(a,h)anthracene	16.827	278	20643	2.158	ng	94
92) Benzo(g,h,i)perylene	17.380	276	160763	16.359	ng	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
Data File : BF135824.D
Acq On : 17 Oct 2023 21:32
Operator : CG\JU
Sample : 04878-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11995

Quant Time: Oct 18 02:02:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 17 01:22:00 2023
Response via : Initial Calibration

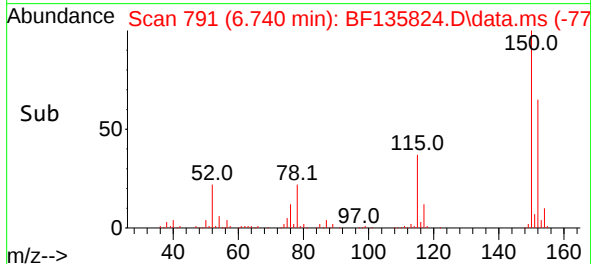
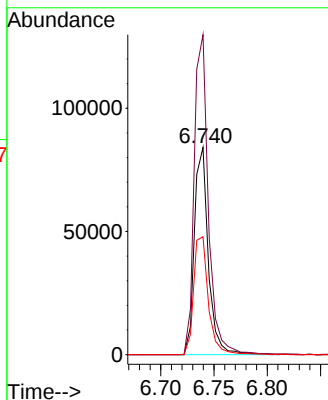
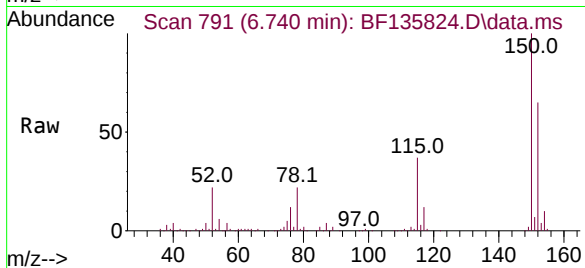




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

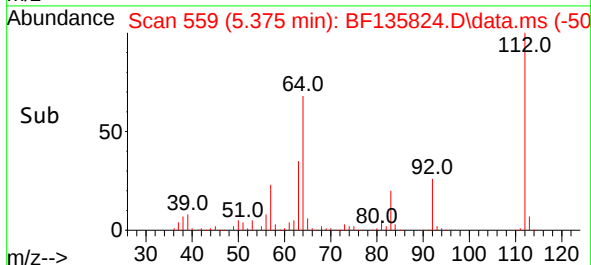
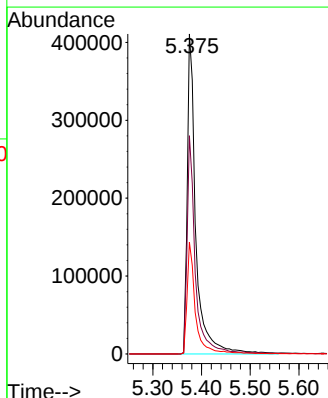
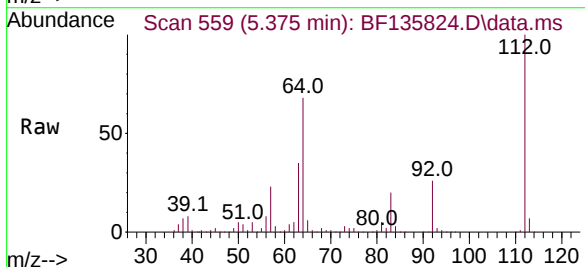
Instrument :
BNA_F
ClientSampleId :
72-11995

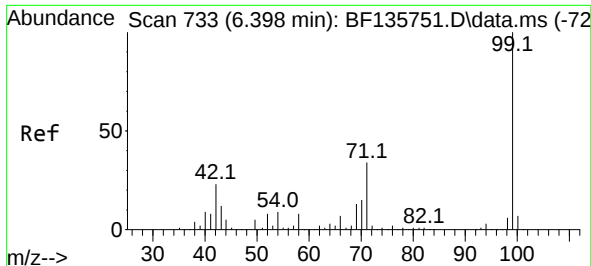
Tgt Ion:152 Resp: 77142
Ion Ratio Lower Upper
152 100
150 154.4 124.5 186.7
115 56.9 49.0 73.4



#5
2-Fluorophenol
Concen: 105.477 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

Tgt Ion:112 Resp: 506090
Ion Ratio Lower Upper
112 100
64 68.2 51.2 76.8
63 34.9 26.1 39.1

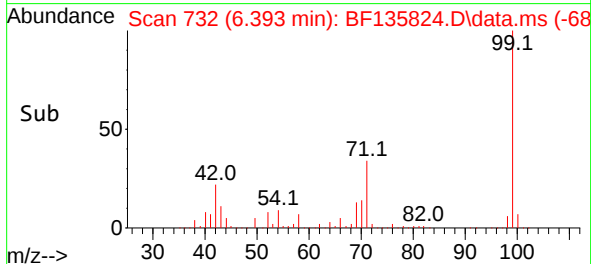
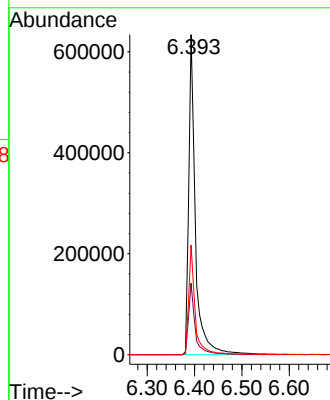
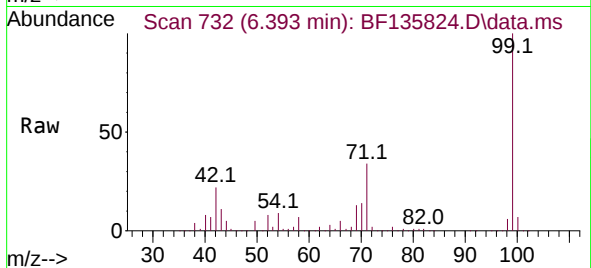




#7
Phenol-d6
Concen: 104.127 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

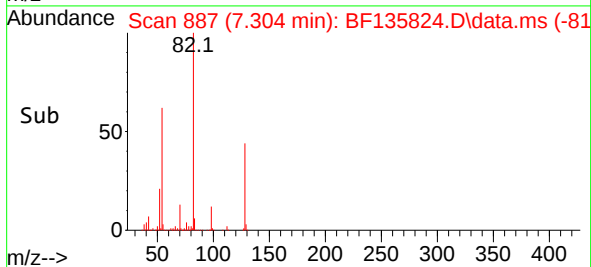
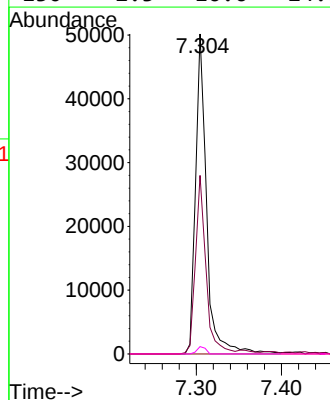
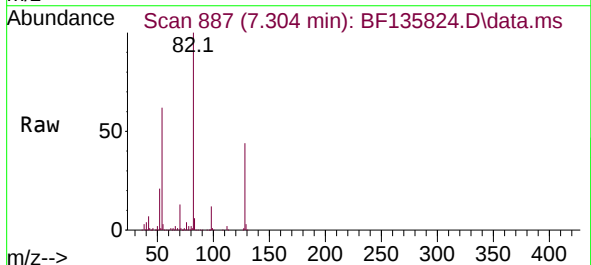
Instrument :
BNA_F
ClientSampleId :
72-11995

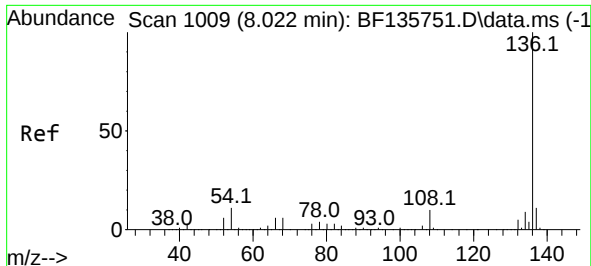
Tgt Ion: 99 Resp: 623381
Ion Ratio Lower Upper
99 100
42 22.4 18.4 27.6
71 34.2 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.216 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

Tgt Ion: 70 Resp: 45221
Ion Ratio Lower Upper
70 100
42 55.8 59.8 89.6#
101 0.0 7.4 11.2#
130 2.3 16.6 24.8#



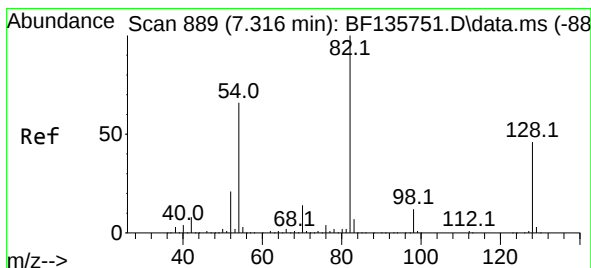
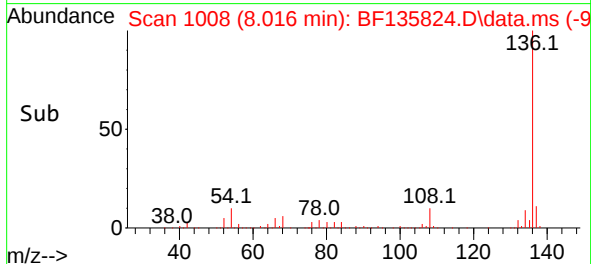
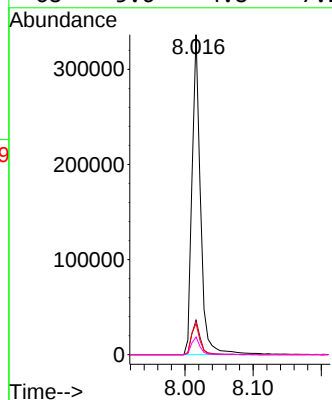
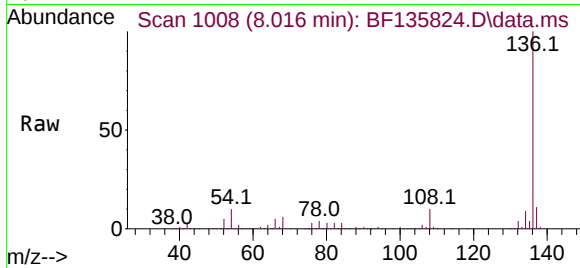


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

Instrument :
BNA_F
ClientSampleId :
72-11995

Tgt Ion:136 Resp: 289707

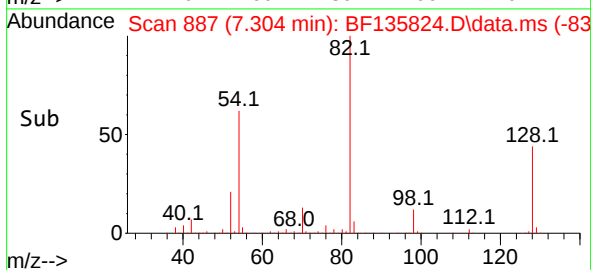
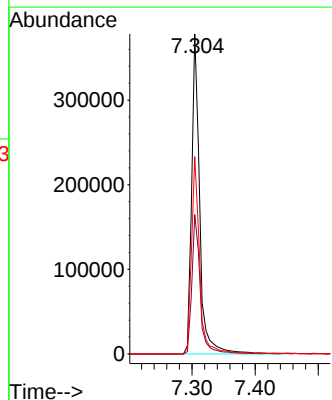
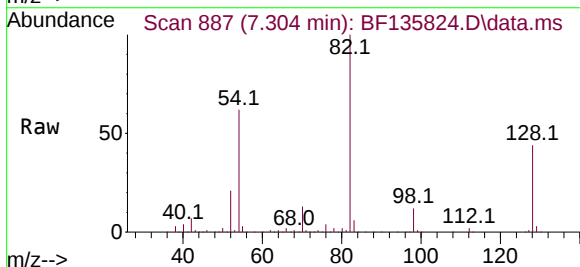
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	9.7	8.5	12.7
68	5.6	4.8	7.2



#23
Nitrobenzene-d5
Concen: 64.068 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

Tgt Ion: 82 Resp: 337475

Ion	Ratio	Lower	Upper
82	100		
128	43.6	37.0	55.6
54	61.7	52.8	79.2

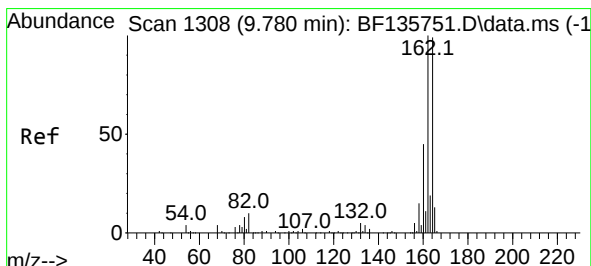
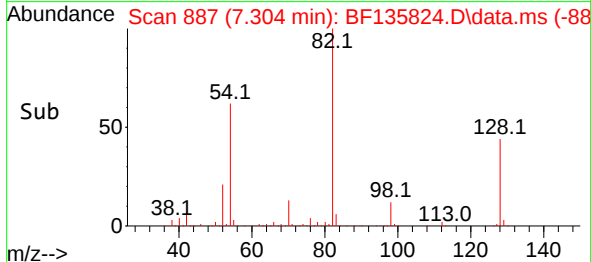
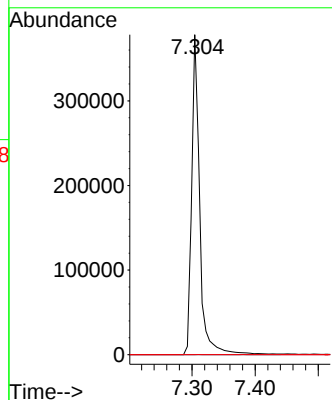
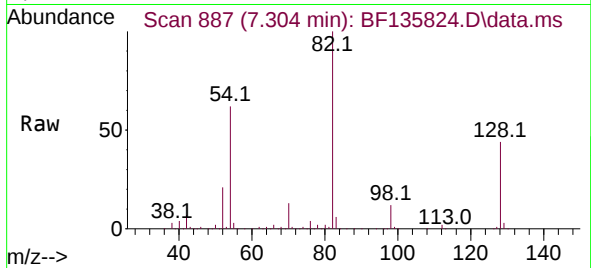




#25
Isophorone
Concen: 33.960 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

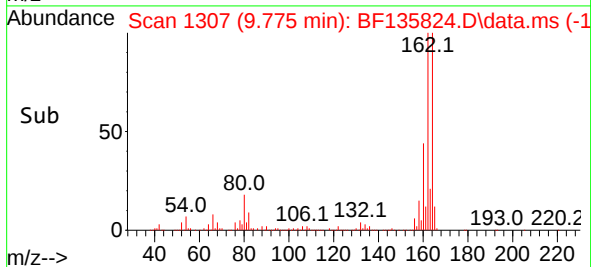
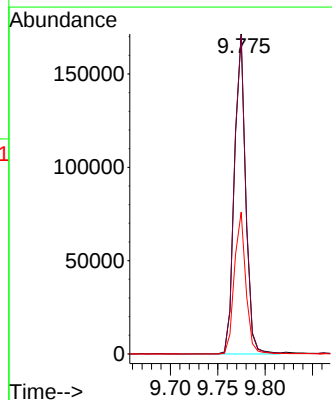
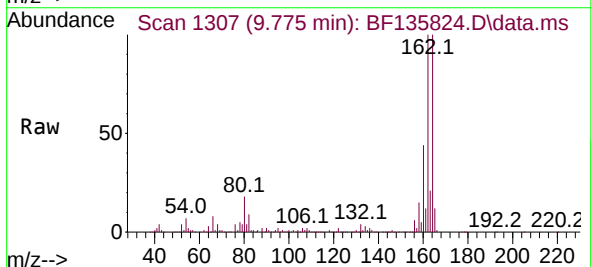
Instrument :
BNA_F
ClientSampleId :
72-11995

Tgt Ion: 82 Resp: 337475
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

Tgt Ion: 164 Resp: 140877
Ion Ratio Lower Upper
164 100
162 99.5 80.8 121.2
160 44.3 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 86.523 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF135824.D

Acq: 17 Oct 2023 21:32

Instrument :

BNA_F

ClientSampleId :

72-11995

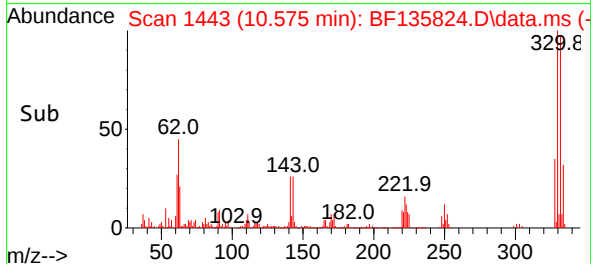
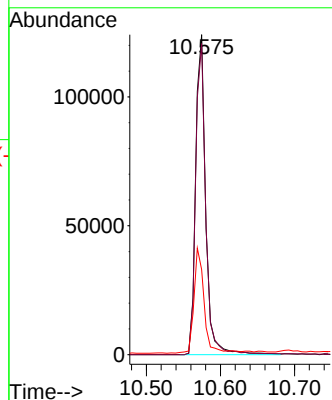
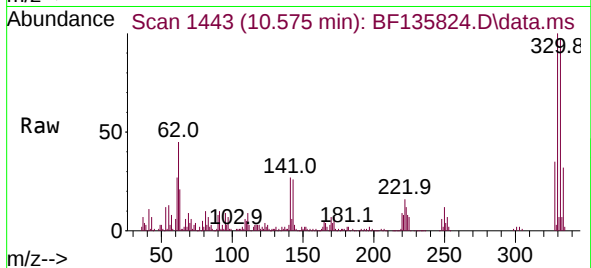
Tgt Ion:330 Resp: 116964

Ion Ratio Lower Upper

330 100

332 97.7 75.0 112.4

141 33.5 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 70.076 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135824.D

Acq: 17 Oct 2023 21:32

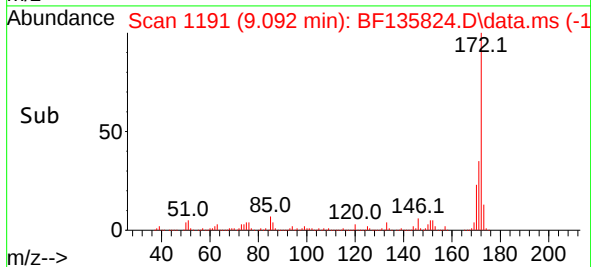
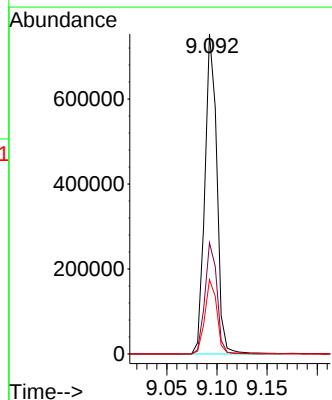
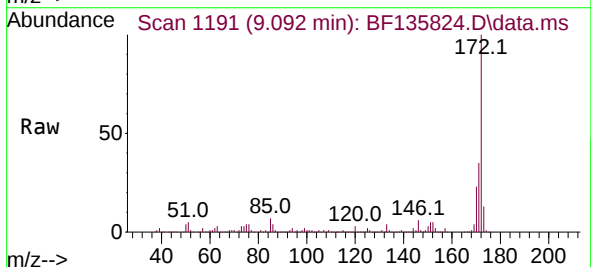
Tgt Ion:172 Resp: 631403

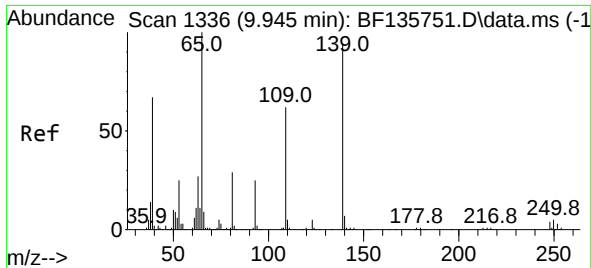
Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

170 23.2 18.8 28.2

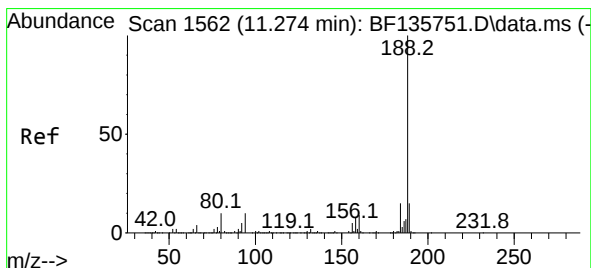
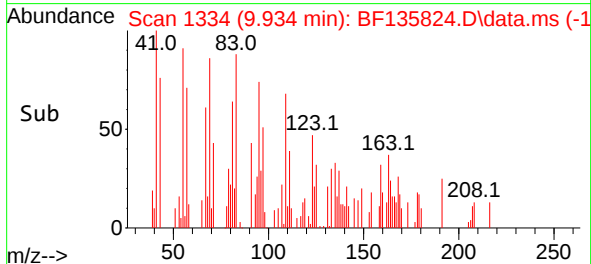
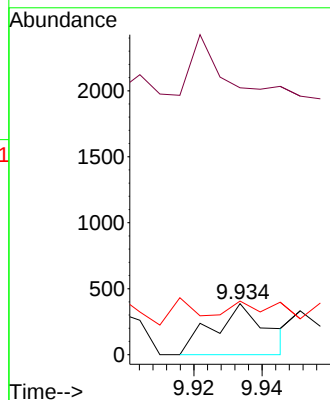
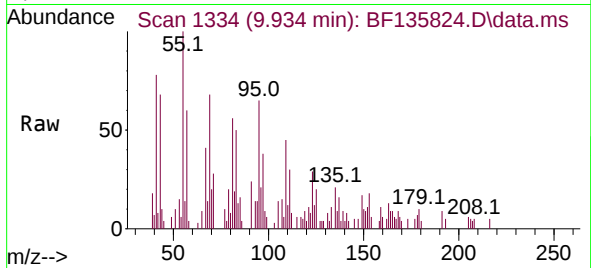




#56
4-Nitrophenol
Concen: 5.831 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

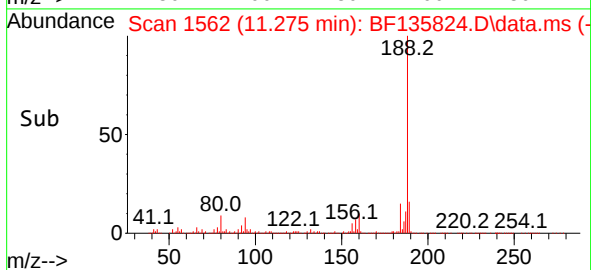
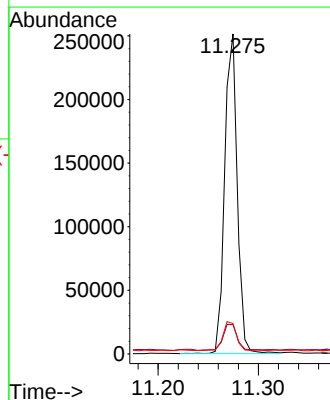
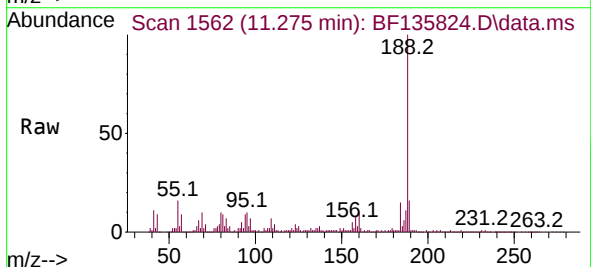
Instrument :
BNA_F
ClientSampleId :
72-11995

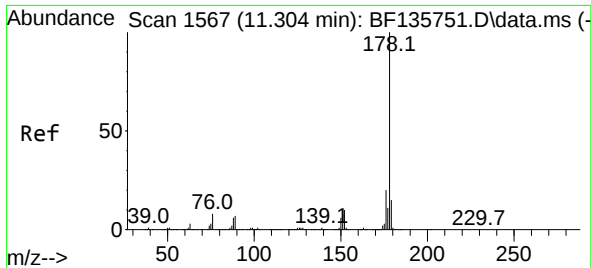
Tgt Ion:139 Resp: 418
Ion Ratio Lower Upper
139 100
109 522.5 45.6 85.6#
65 104.9 87.5 127.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

Tgt Ion:188 Resp: 217959
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 9.5 8.3 12.5

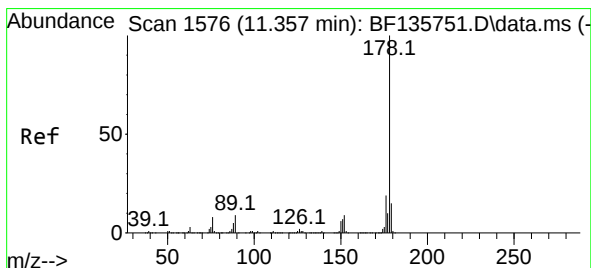
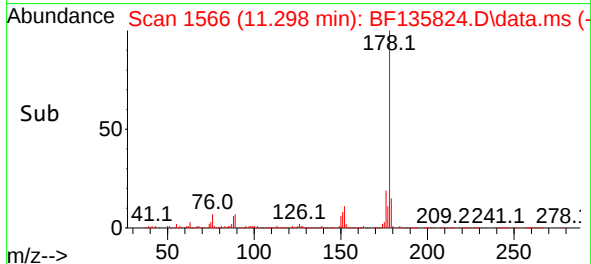
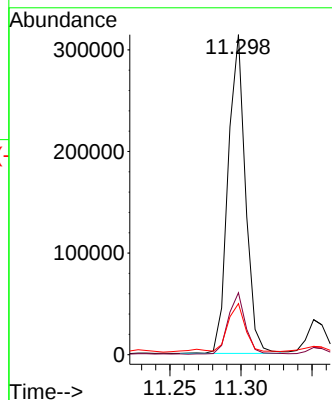
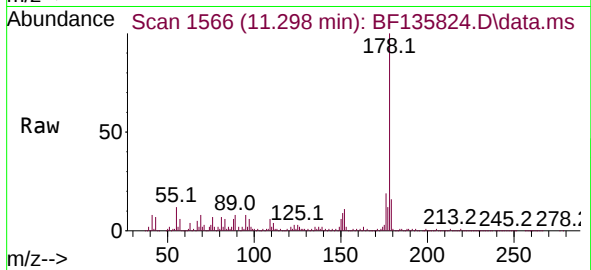




#71
Phenanthrene
Concen: 25.422 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

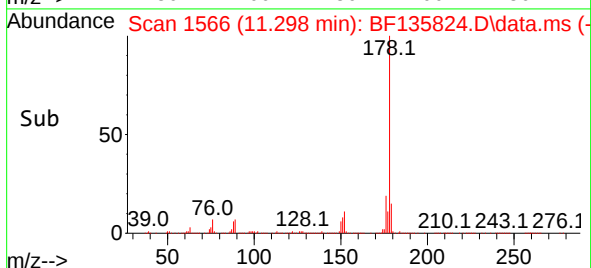
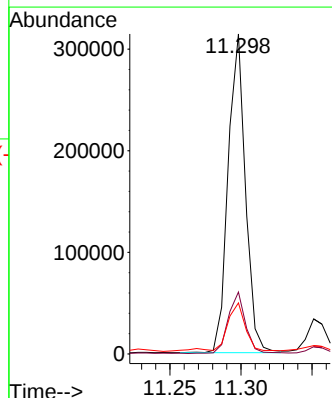
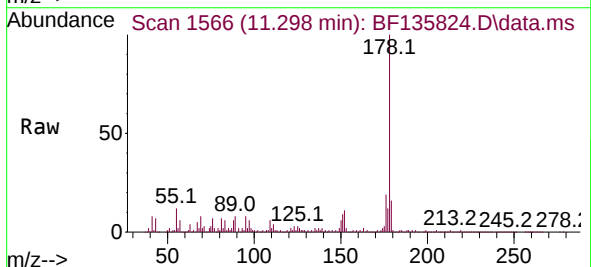
Instrument :
BNA_F
ClientSampleId :
72-11995

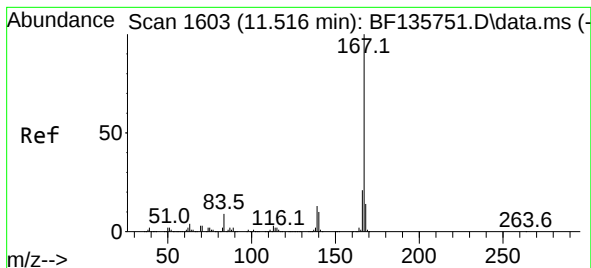
Tgt Ion:178 Resp: 265437
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.9 12.2 18.4



#72
Anthracene
Concen: 24.533 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.059 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

Tgt Ion:178 Resp: 265437
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.9 12.3 18.5





#73

Carbazole

Concen: 3.315 ng

RT: 11.522 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135824.D

Acq: 17 Oct 2023 21:32

Instrument :

BNA_F

ClientSampleId :

72-11995

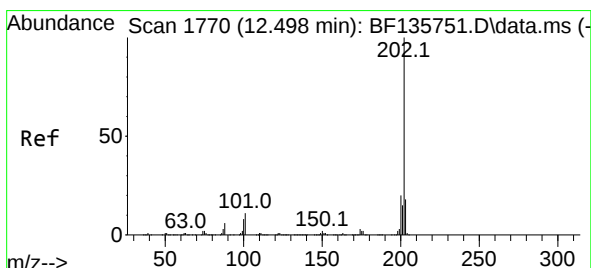
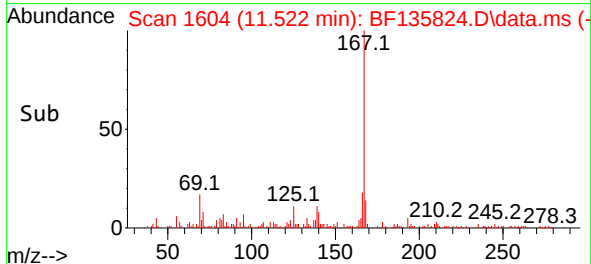
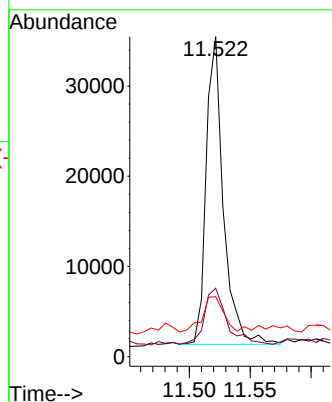
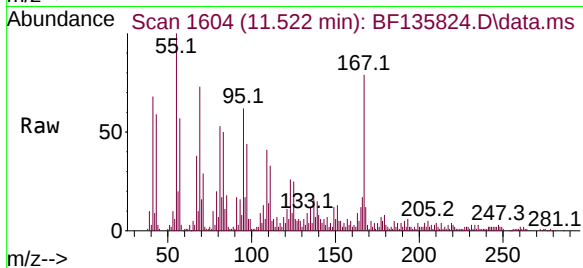
Tgt Ion:167 Resp: 33451

Ion Ratio Lower Upper

167 100

166 21.4 17.1 25.7

139 18.7 10.2 15.4#



#75

Fluoranthene

Concen: 56.259 ng

RT: 12.498 min Scan# 1770

Delta R.T. -0.006 min

Lab File: BF135824.D

Acq: 17 Oct 2023 21:32

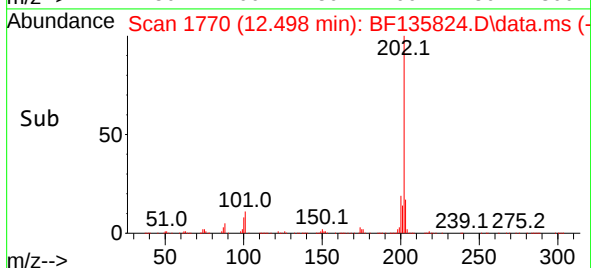
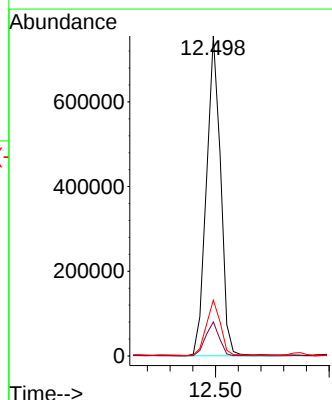
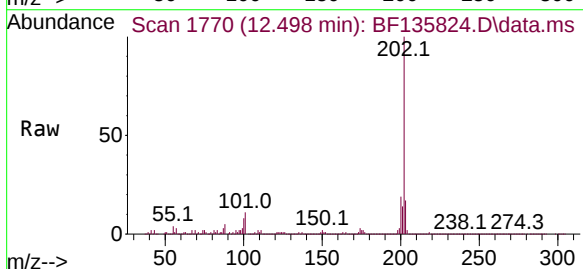
Tgt Ion:202 Resp: 651950

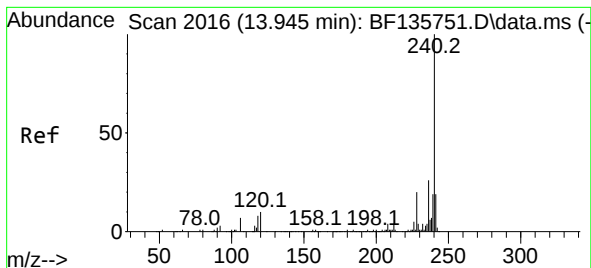
Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.5

203 17.5 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135824.D

Acq: 17 Oct 2023 21:32

Instrument :

BNA_F

ClientSampleId :

72-11995

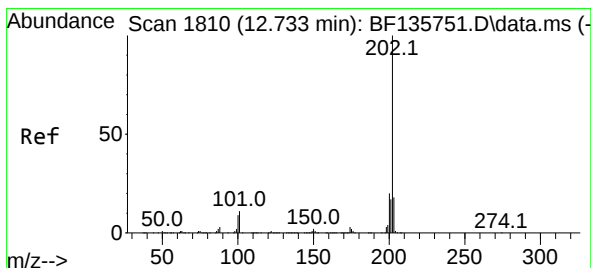
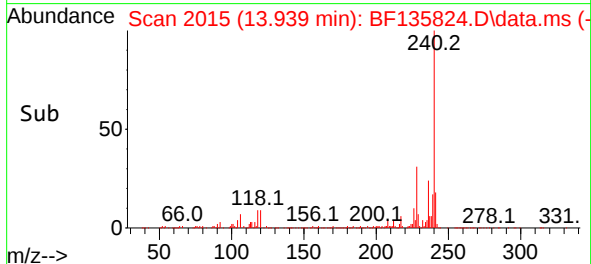
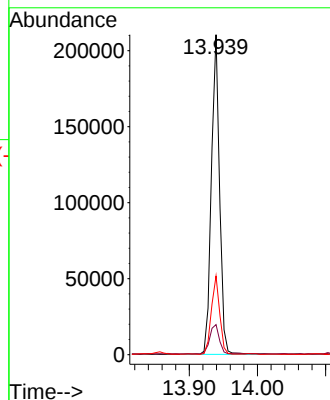
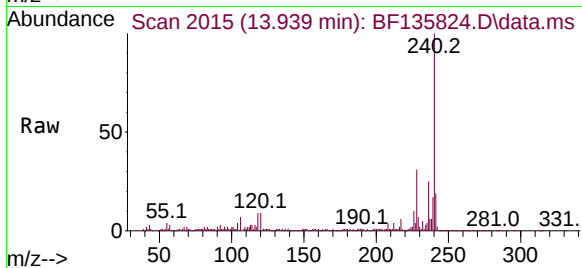
Tgt Ion:240 Resp: 176498

Ion Ratio Lower Upper

240 100

120 9.4 8.2 12.2

236 24.6 21.2 31.8



#78

Pyrene

Concen: 36.613 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135824.D

Acq: 17 Oct 2023 21:32

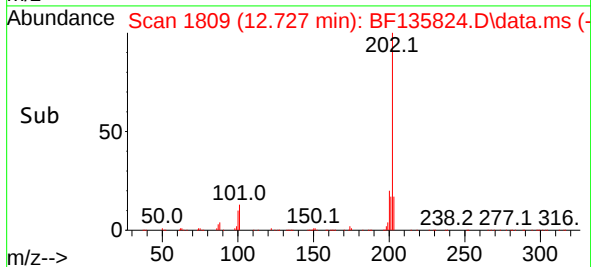
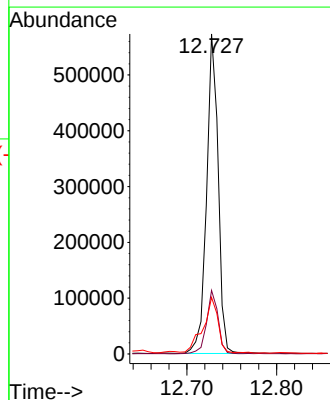
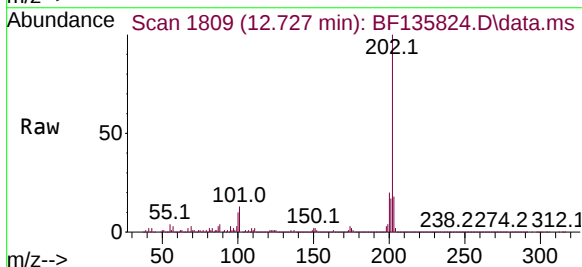
Tgt Ion:202 Resp: 513509

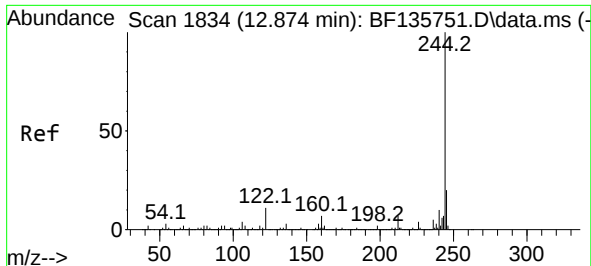
Ion Ratio Lower Upper

202 100

200 19.8 16.1 24.1

203 17.7 14.2 21.2

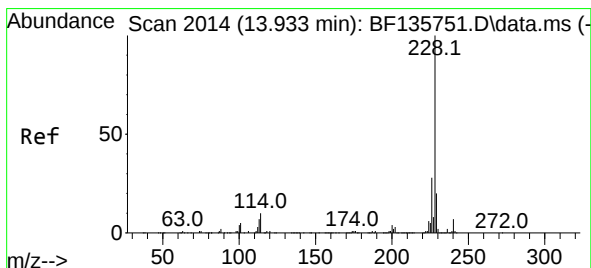
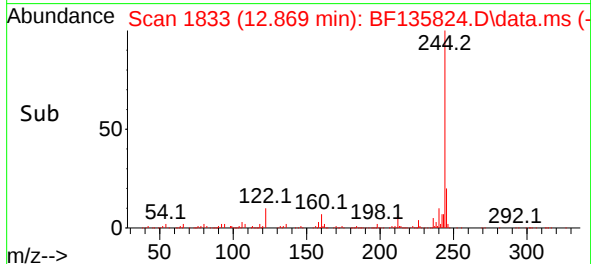
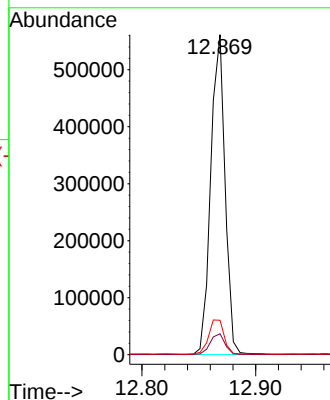
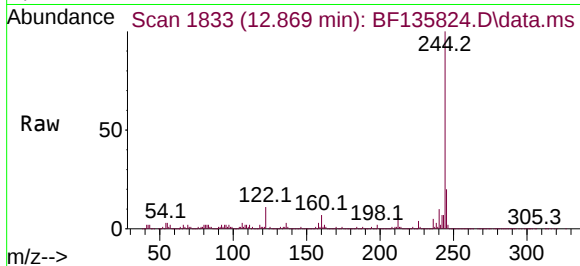




#79
 Terphenyl-d14
 Concen: 51.485 ng
 RT: 12.869 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF135824.D
 Acq: 17 Oct 2023 21:32

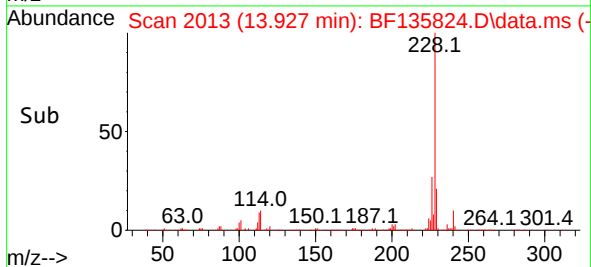
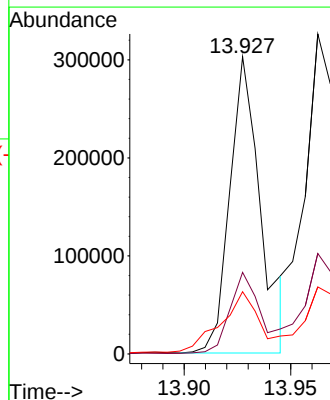
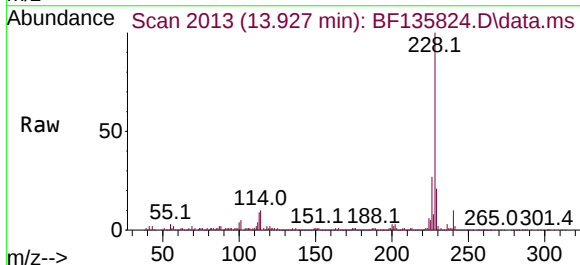
Instrument :
 BNA_F
 ClientSampleId :
 72-11995

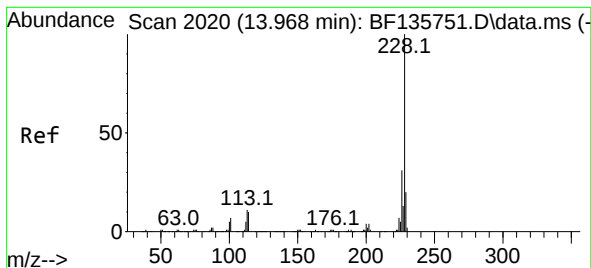
Tgt Ion:244 Resp: 490686
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 10.7 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 26.218 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF135824.D
 Acq: 17 Oct 2023 21:32

Tgt Ion:228 Resp: 303951
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.2 33.2
 229 20.9 16.1 24.1





#83

Chrysene

Concen: 29.852 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135824.D

Acq: 17 Oct 2023 21:32

Instrument :

BNA_F

ClientSampleId :

72-11995

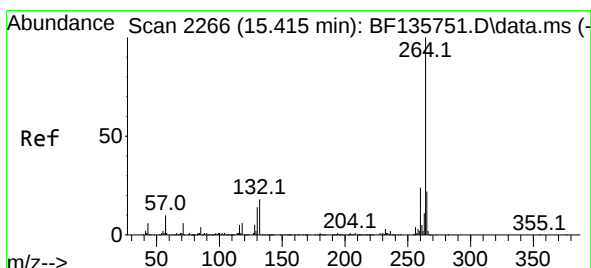
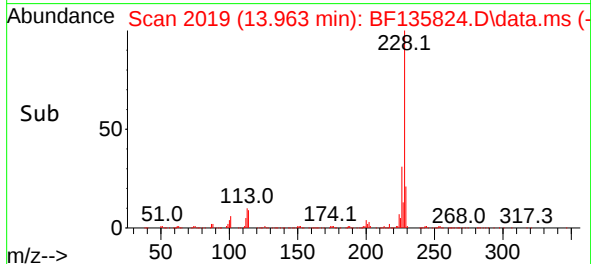
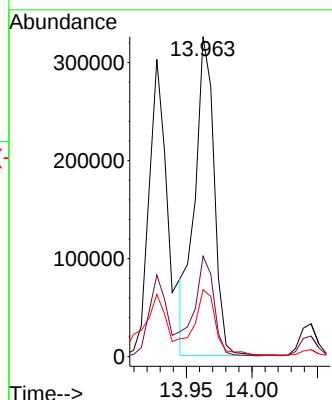
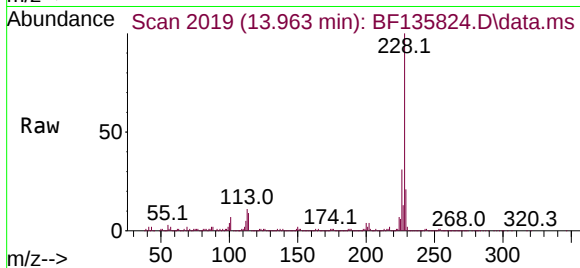
Tgt Ion:228 Resp: 335206

Ion Ratio Lower Upper

228 100

226 31.4 24.4 36.6

229 21.0 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.416 min Scan# 2266

Delta R.T. -0.006 min

Lab File: BF135824.D

Acq: 17 Oct 2023 21:32

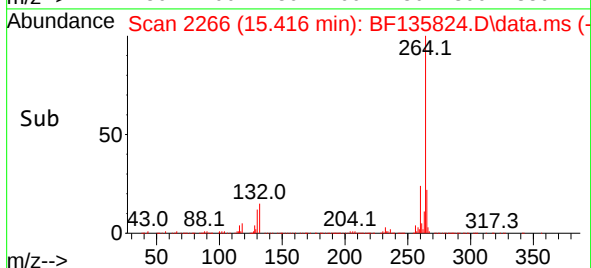
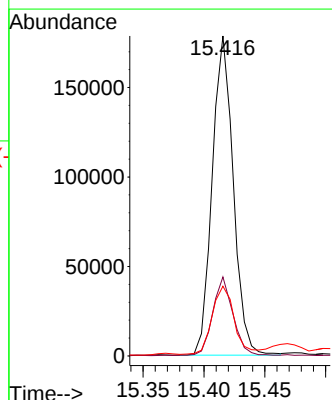
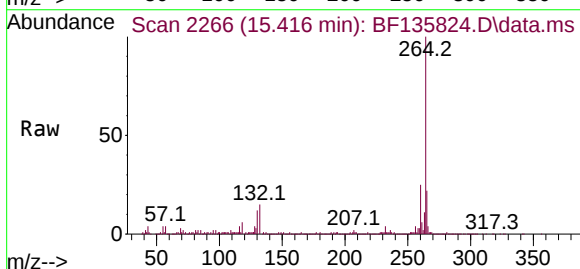
Tgt Ion:264 Resp: 214174

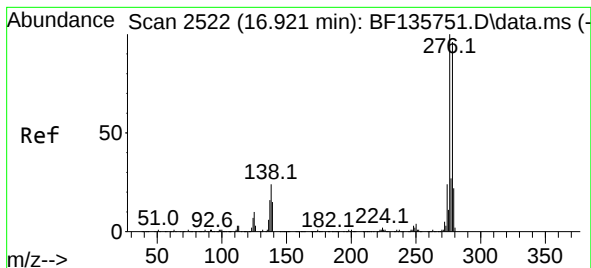
Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 21.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.292 ng

RT: 16.921 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF135824.D

Acq: 17 Oct 2023 21:32

Instrument :

BNA_F

ClientSampleId :

72-11995

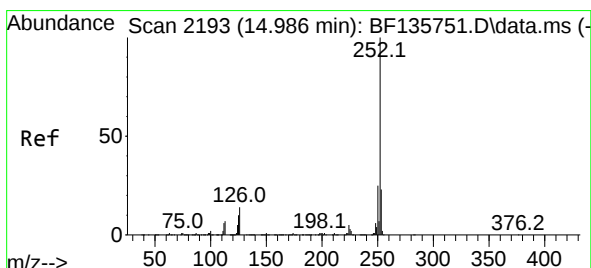
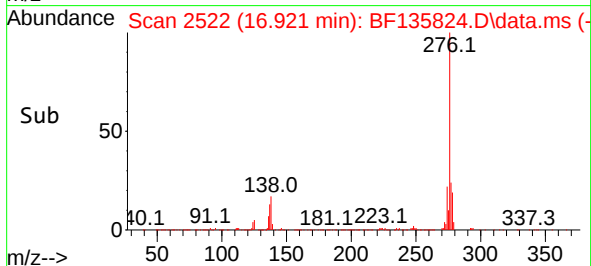
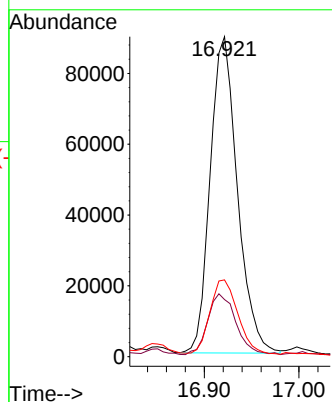
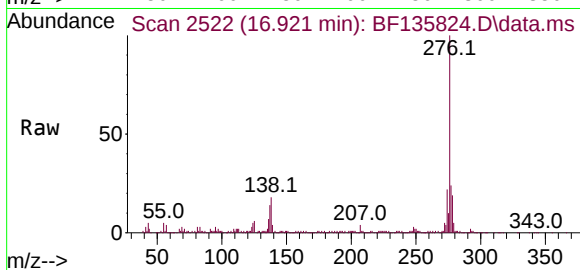
Tgt Ion:276 Resp: 178452

Ion Ratio Lower Upper

276 100

138 19.8 19.8 29.6

277 24.3 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 56.165 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF135824.D

Acq: 17 Oct 2023 21:32

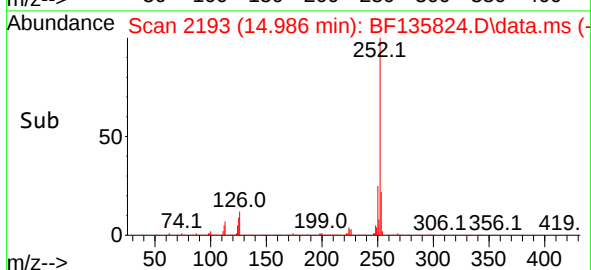
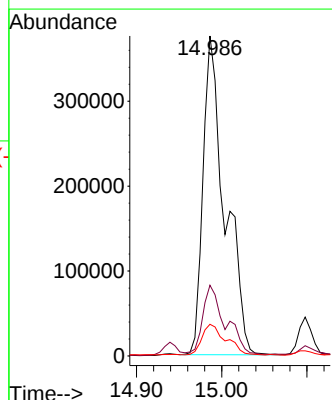
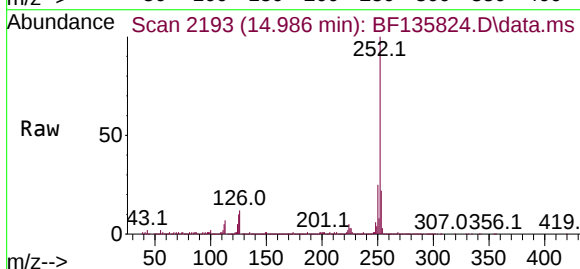
Tgt Ion:252 Resp: 673225

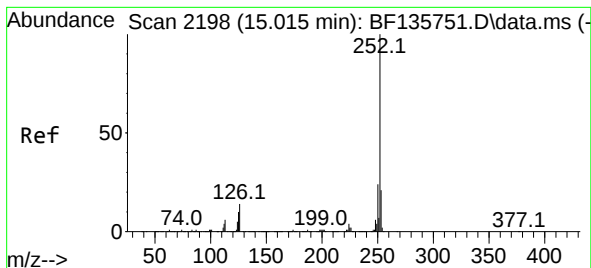
Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

125 9.9 8.2 12.2





#89

Benzo(k)fluoranthene

Concen: 57.851 ng

RT: 14.986 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF135824.D

Acq: 17 Oct 2023 21:32

Instrument :

BNA_F

ClientSampleId :

72-11995

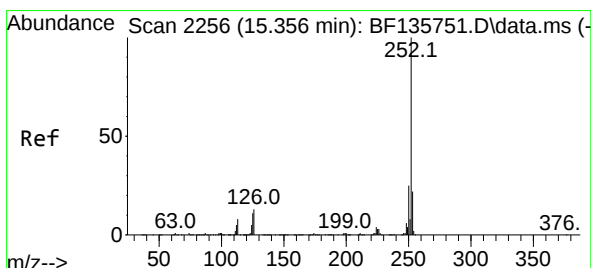
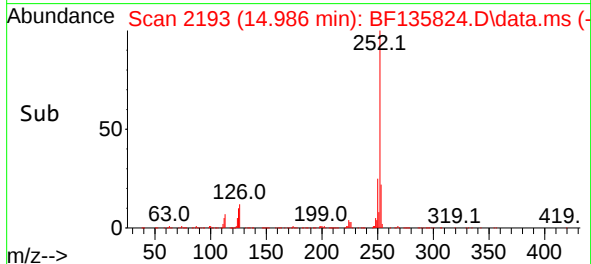
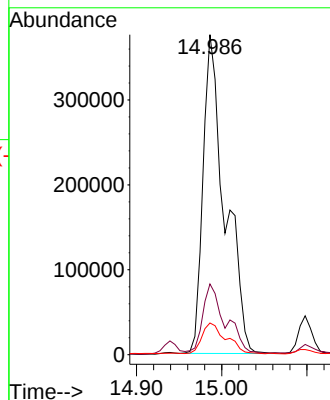
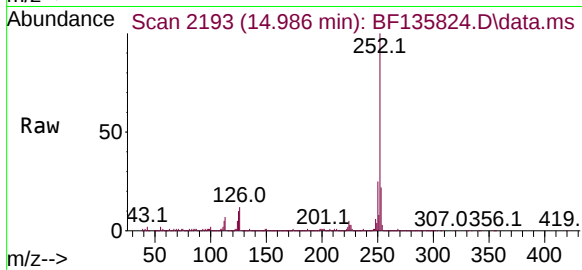
Tgt Ion:252 Resp: 673225

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 9.9 8.3 12.5



#90

Benzo(a)pyrene

Concen: 26.343 ng

RT: 15.357 min Scan# 2256

Delta R.T. -0.006 min

Lab File: BF135824.D

Acq: 17 Oct 2023 21:32

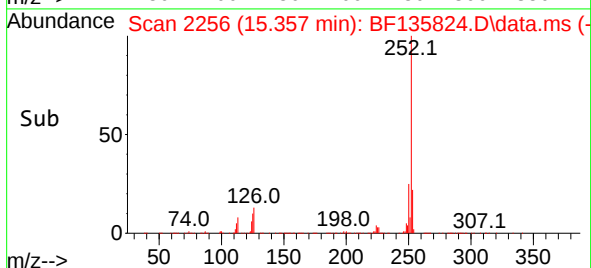
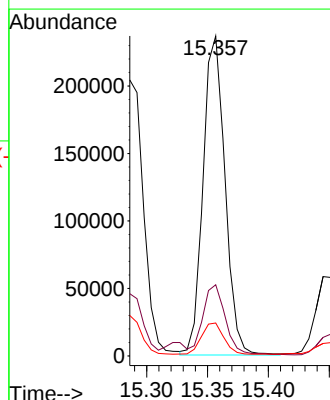
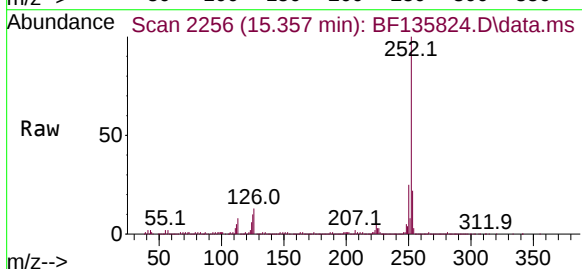
Tgt Ion:252 Resp: 296927

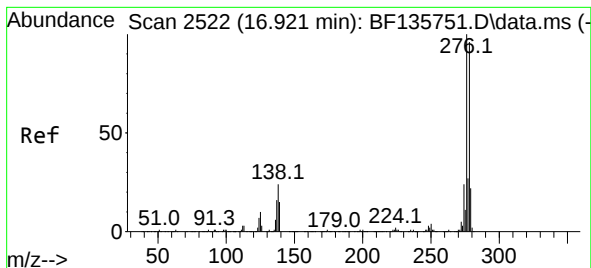
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 10.3 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 2.158 ng

RT: 16.827 min Scan# 21

Delta R.T. -0.112 min

Lab File: BF135824.D

Acq: 17 Oct 2023 21:32

Instrument :

BNA_F

ClientSampleId :

72-11995

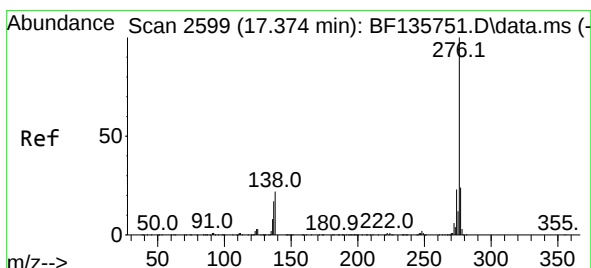
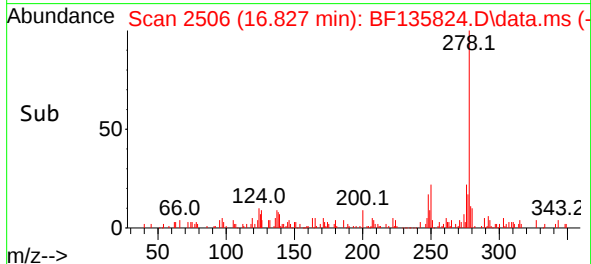
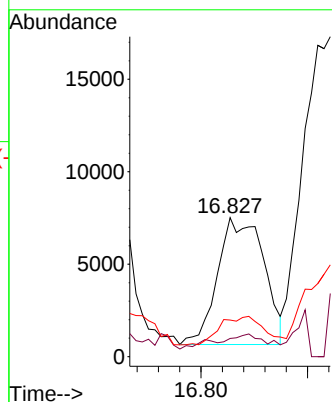
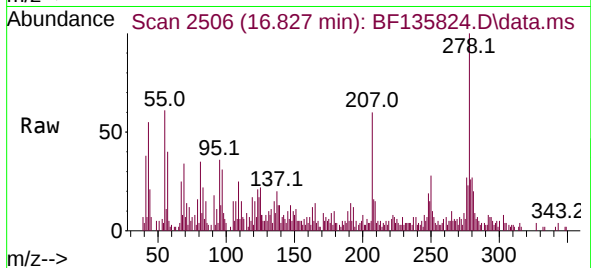
Tgt Ion:278 Resp: 20643

Ion Ratio Lower Upper

278 100

139 13.2 12.5 18.7

279 26.3 18.6 27.8



#92

Benzo(g,h,i)perylene

Concen: 16.359 ng

RT: 17.380 min Scan# 2600

Delta R.T. -0.006 min

Lab File: BF135824.D

Acq: 17 Oct 2023 21:32

Tgt Ion:276 Resp: 160763

Ion Ratio Lower Upper

276 100

277 23.1 19.4 29.2

138 19.3 17.3 25.9

