

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
 Data File : BF135640.D
 Acq On : 06 Oct 2023 21:05
 Operator : CG\JU
 Sample : 04769-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-10-4-2023

Quant Time: Oct 07 01:52:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

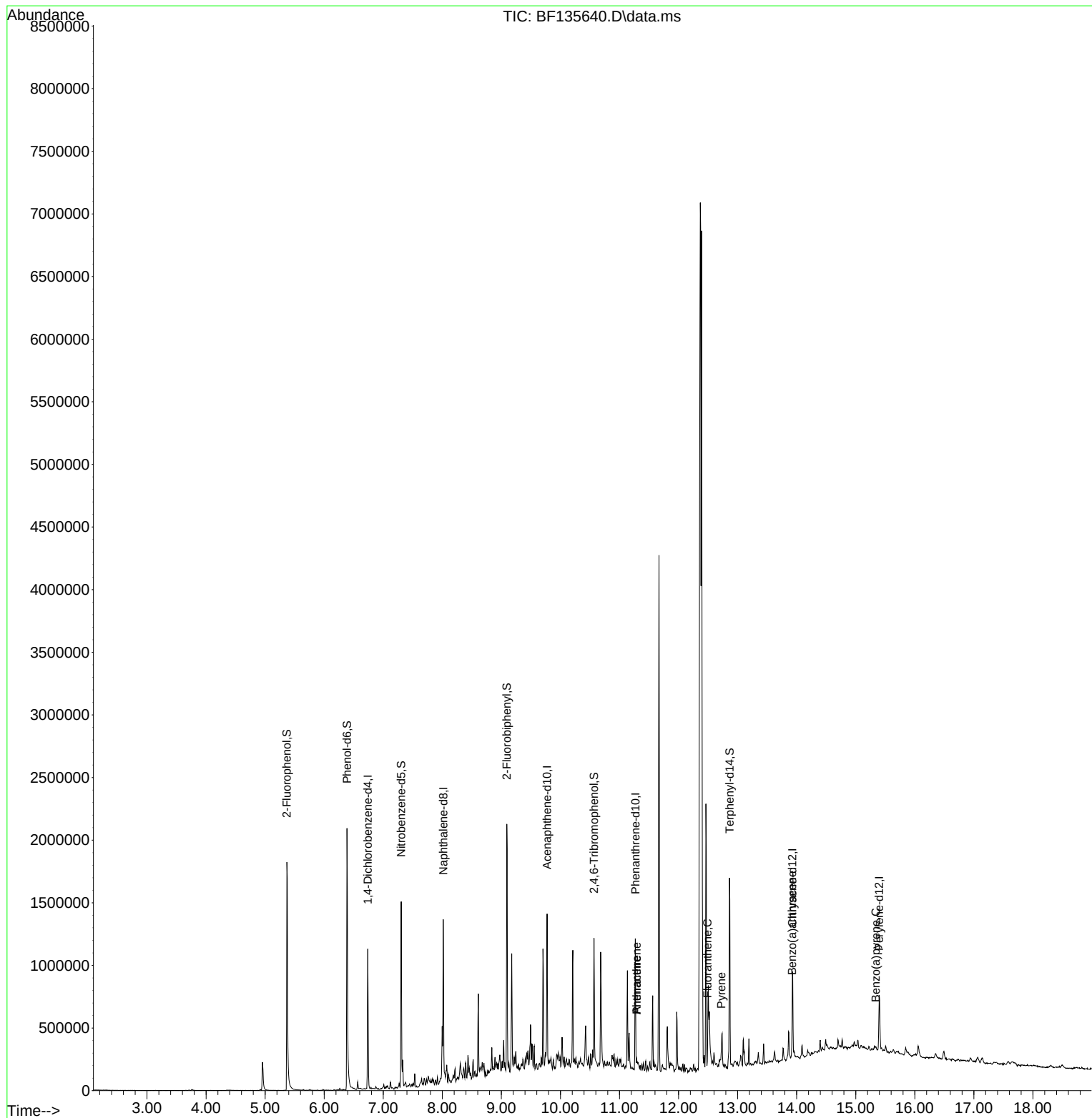
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	151766	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	536230	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	220373	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	351775	20.000	ng	0.00
76) Chrysene-d12	13.927	240	243246	20.000	ng	0.00
86) Perylene-d12	15.398	264	201236	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	577215	61.859	ng	0.00
7) Phenol-d6	6.387	99	722635	60.904	ng	0.00
23) Nitrobenzene-d5	7.304	82	421637	42.719	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	114579	52.320	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	626473	42.890	ng	0.00
79) Terphenyl-d14	12.863	244	543052	34.608	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.292	178	24928	1.498	ng	96
72) Anthracene	11.292	178	24928	1.458	ng	98
75) Fluoranthene	12.492	202	43606	2.515	ng	94
78) Pyrene	12.722	202	46997	2.029	ng	98
81) Benzo(a)anthracene	13.921	228	21282	1.355	ng	# 92
90) Benzo(a)pyrene	15.339	252	13589	1.308	ng	# 67

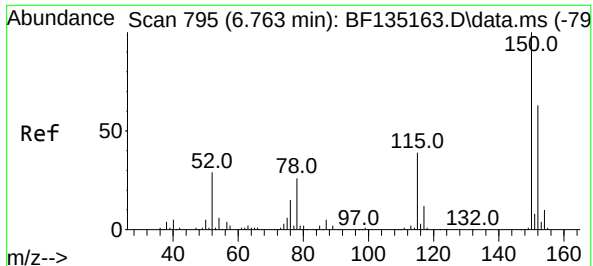
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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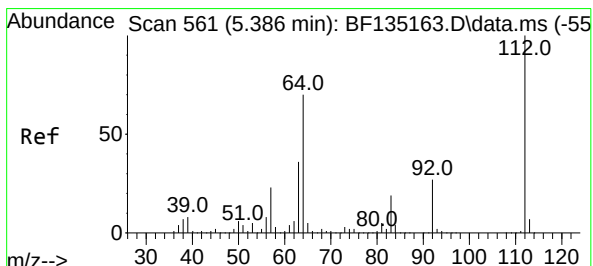
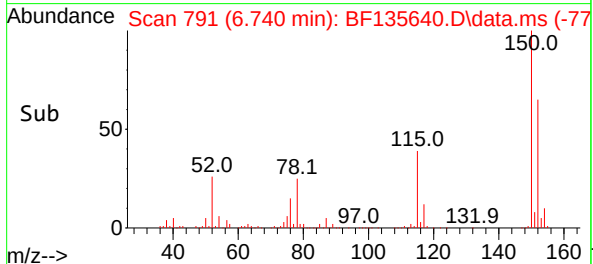
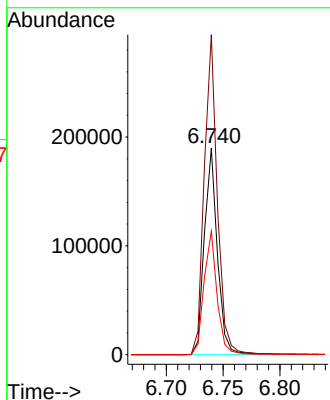
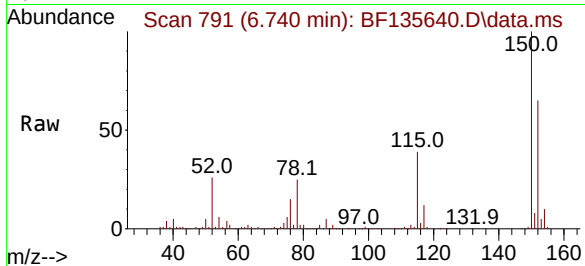




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135640.D
Acq: 06 Oct 2023 21:05

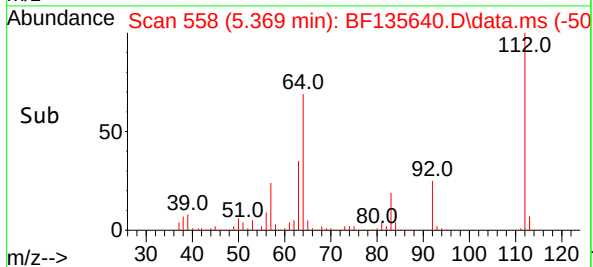
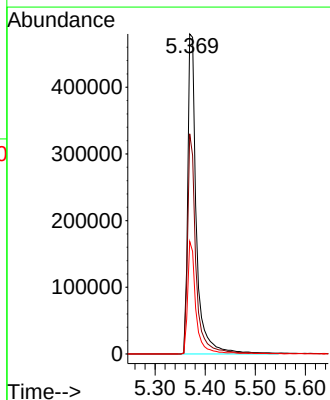
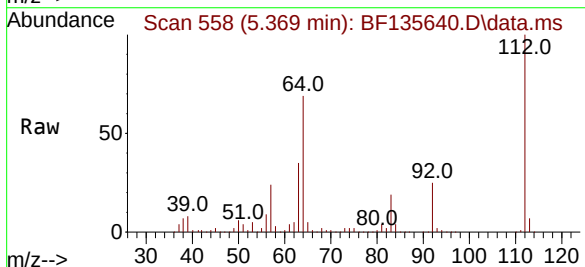
Instrument :
BNA_F
ClientSampleId :
AU-06-10-4-2023

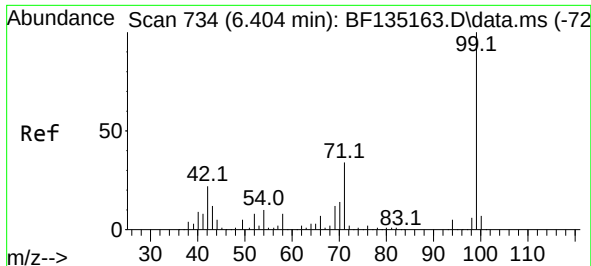
Tgt Ion:152 Resp: 151766
Ion Ratio Lower Upper
152 100
150 154.9 127.8 191.6
115 59.8 49.8 74.8



#5
2-Fluorophenol
Concen: 61.859 ng
RT: 5.369 min Scan# 558
Delta R.T. 0.000 min
Lab File: BF135640.D
Acq: 06 Oct 2023 21:05

Tgt Ion:112 Resp: 577215
Ion Ratio Lower Upper
112 100
64 68.8 55.9 83.9
63 35.2 29.0 43.6

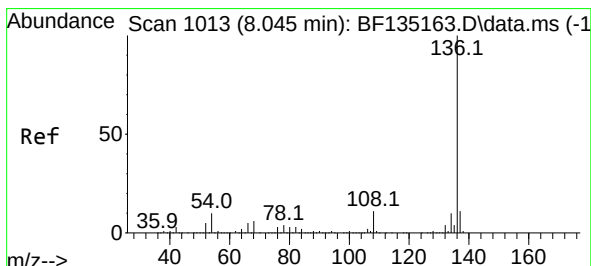
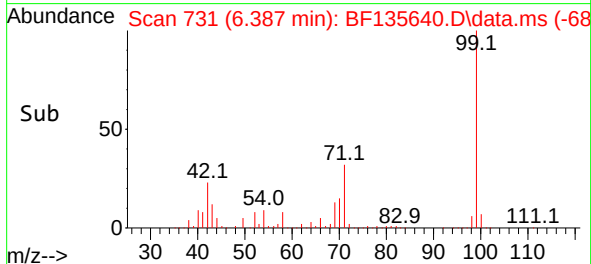
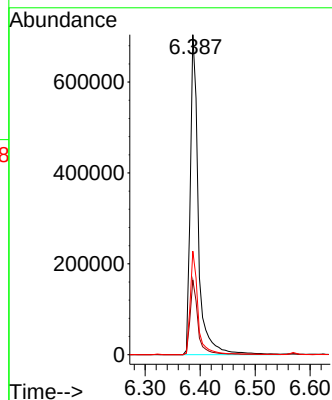
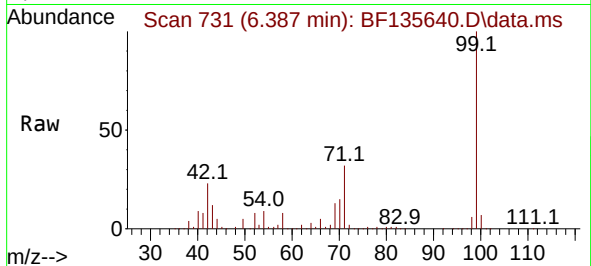




#7
Phenol-d6
Concen: 60.904 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135640.D
Acq: 06 Oct 2023 21:05

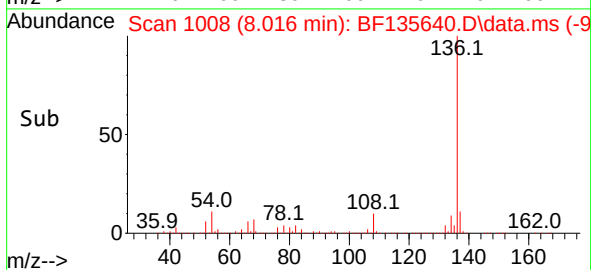
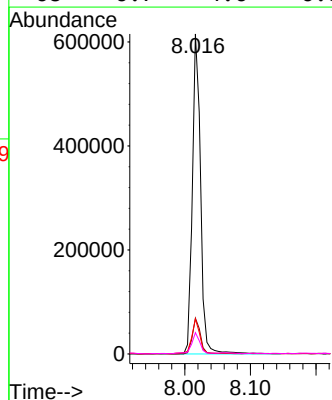
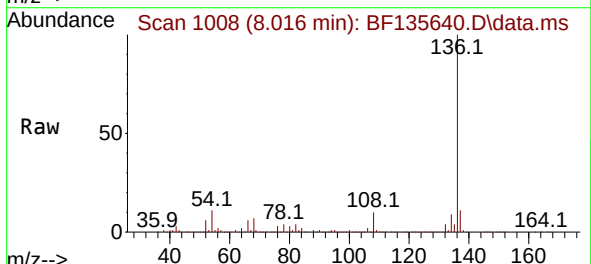
Instrument :
BNA_F
ClientSampleId :
AU-06-10-4-2023

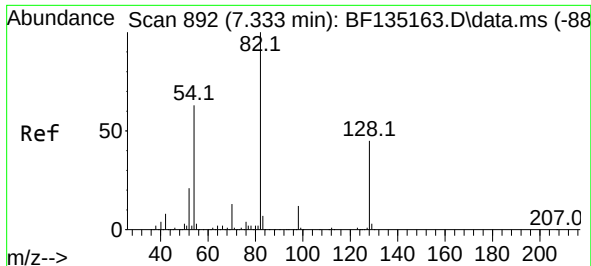
Tgt Ion: 99 Resp: 722635
Ion Ratio Lower Upper
99 100
42 23.3 17.9 26.9
71 32.3 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF135640.D
Acq: 06 Oct 2023 21:05

Tgt Ion: 136 Resp: 536230
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 11.0 7.7 11.5
68 6.7 4.6 6.8





#23

Nitrobenzene-d5

Concen: 42.719 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135640.D

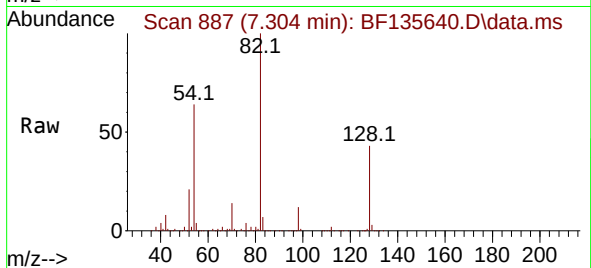
Acq: 06 Oct 2023 21:05

Instrument :

BNA_F

ClientSampleId :

AU-06-10-4-2023



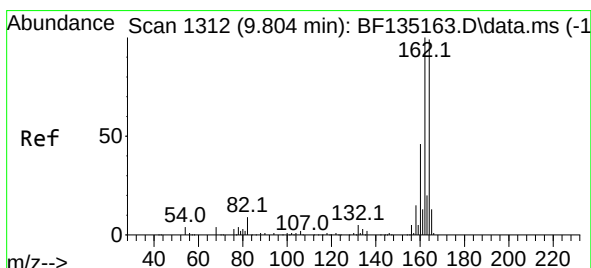
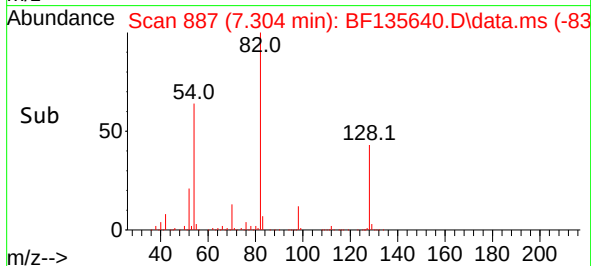
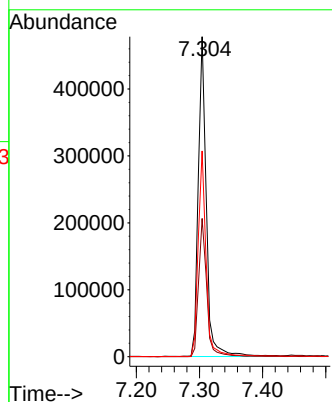
Tgt Ion: 82 Resp: 421637

Ion Ratio Lower Upper

82 100

128 43.2 35.8 53.6

54 64.3 50.6 76.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

Delta R.T. 0.000 min

Lab File: BF135640.D

Acq: 06 Oct 2023 21:05

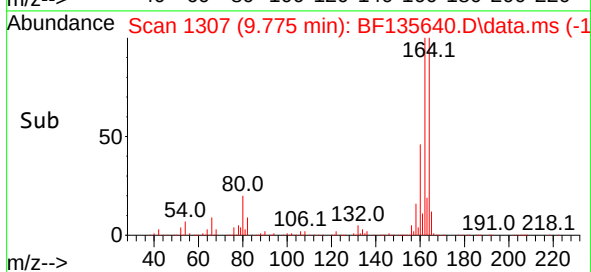
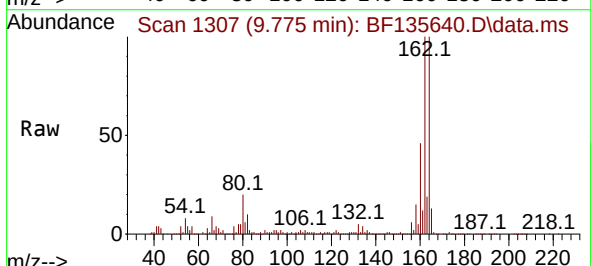
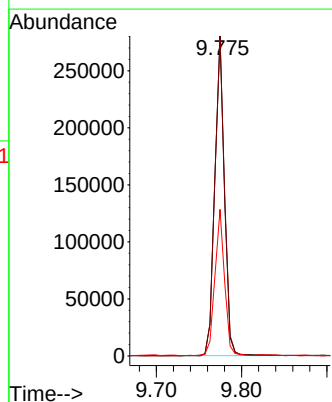
Tgt Ion:164 Resp: 220373

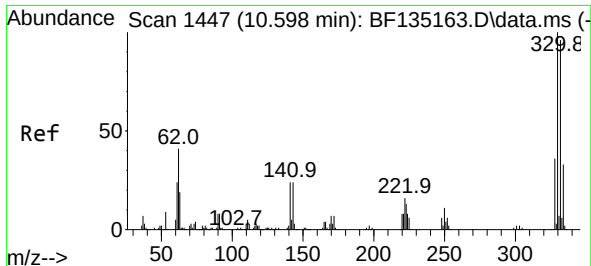
Ion Ratio Lower Upper

164 100

162 99.8 81.0 121.4

160 45.8 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 52.320 ng

RT: 10.569 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF135640.D

Acq: 06 Oct 2023 21:05

Instrument :

BNA_F

ClientSampleId :

AU-06-10-4-2023

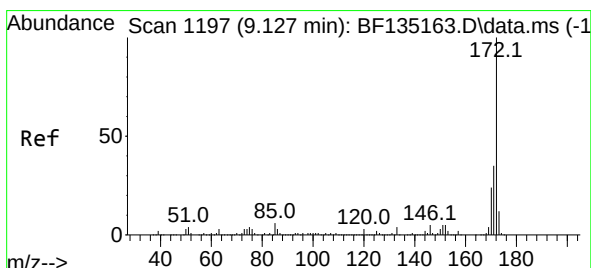
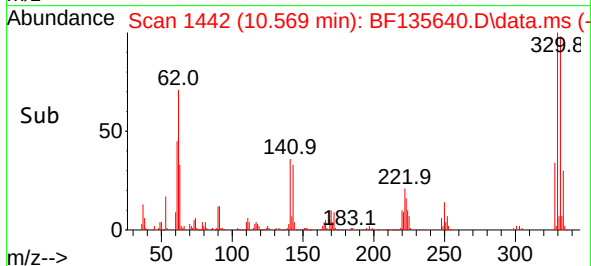
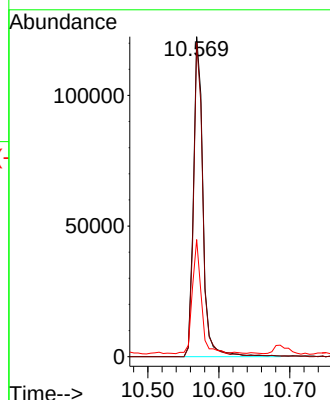
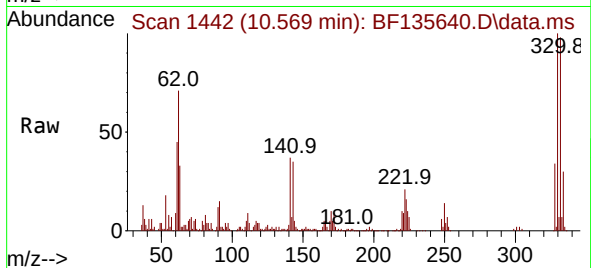
Tgt Ion:330 Resp: 114579

Ion Ratio Lower Upper

330 100

332 95.5 77.3 115.9

141 33.4 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 42.890 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF135640.D

Acq: 06 Oct 2023 21:05

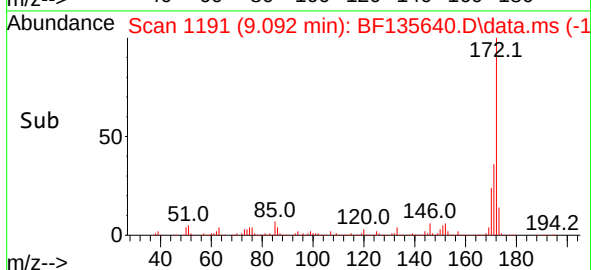
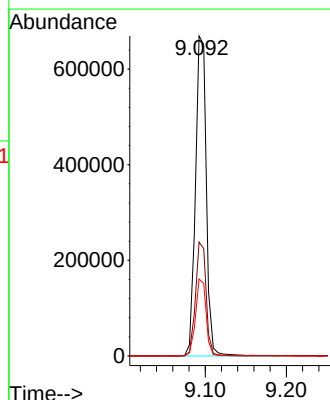
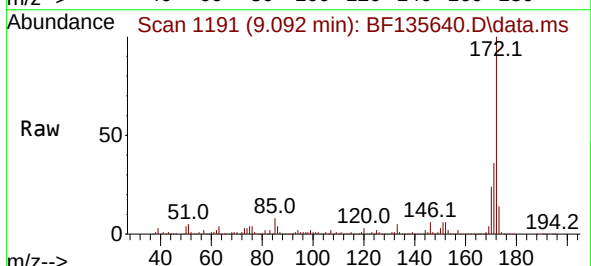
Tgt Ion:172 Resp: 626473

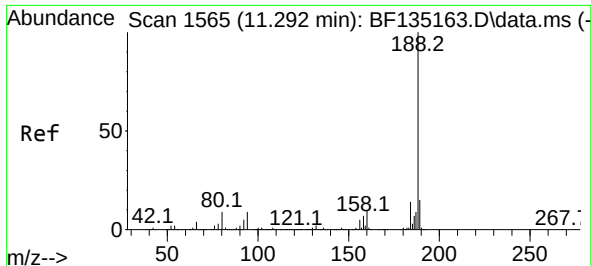
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 24.1 19.0 28.4

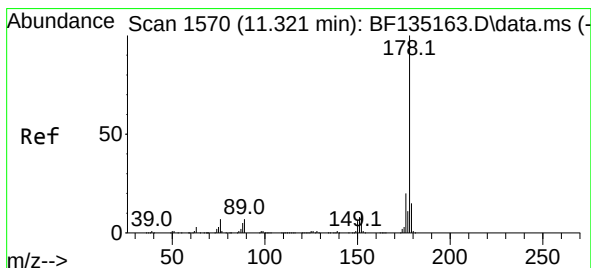
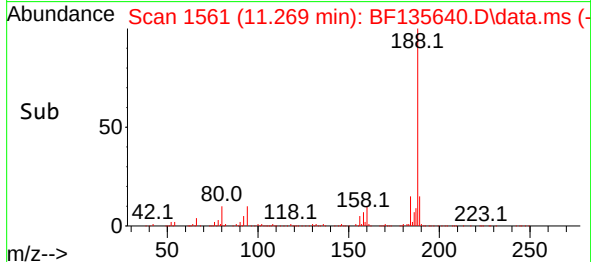
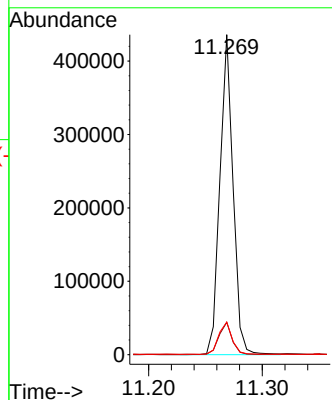
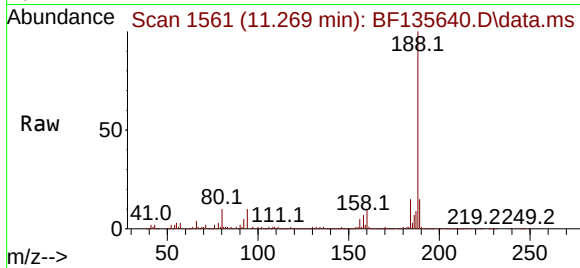




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135640.D
Acq: 06 Oct 2023 21:05

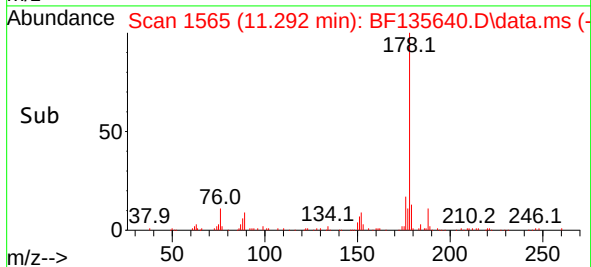
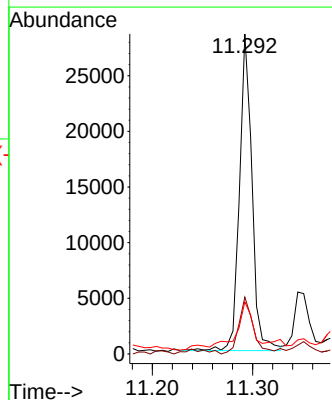
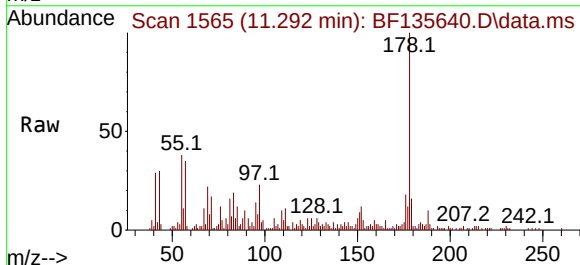
Instrument :
BNA_F
ClientSampleId :
AU-06-10-4-2023

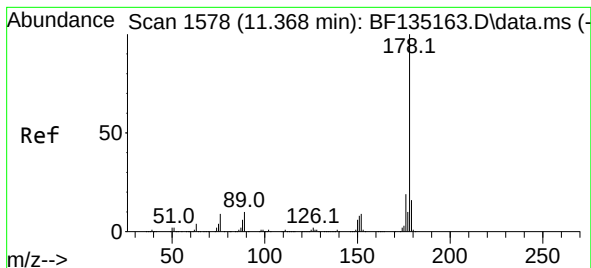
Tgt Ion:188 Resp: 351775
Ion Ratio Lower Upper
188 100
94 10.1 7.0 10.6
80 10.2 7.5 11.3



#71
Phenanthrene
Concen: 1.498 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF135640.D
Acq: 06 Oct 2023 21:05

Tgt Ion:178 Resp: 24928
Ion Ratio Lower Upper
178 100
176 17.7 15.6 23.4
179 16.3 12.0 18.0





#72

Anthracene

Concen: 1.458 ng

RT: 11.292 min Scan# 11

Delta R.T. -0.053 min

Lab File: BF135640.D

Acq: 06 Oct 2023 21:05

Instrument :

BNA_F

ClientSampleId :

AU-06-10-4-2023

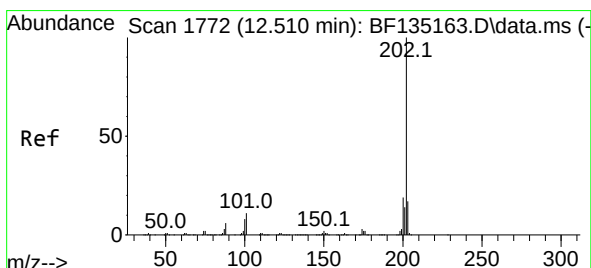
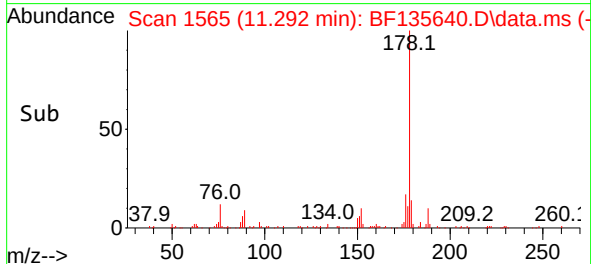
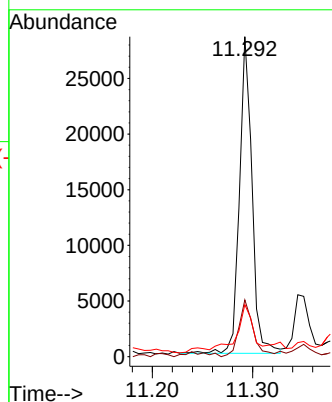
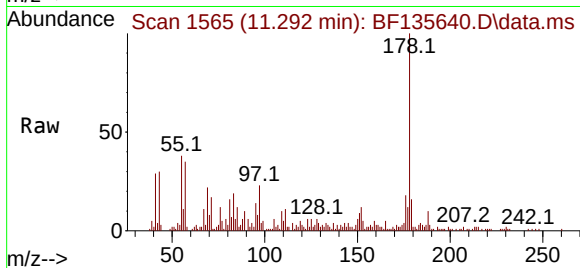
Tgt Ion:178 Resp: 24928

Ion Ratio Lower Upper

178 100

176 17.7 15.4 23.2

179 16.3 12.6 19.0



#75

Fluoranthene

Concen: 2.515 ng

RT: 12.492 min Scan# 1769

Delta R.T. 0.006 min

Lab File: BF135640.D

Acq: 06 Oct 2023 21:05

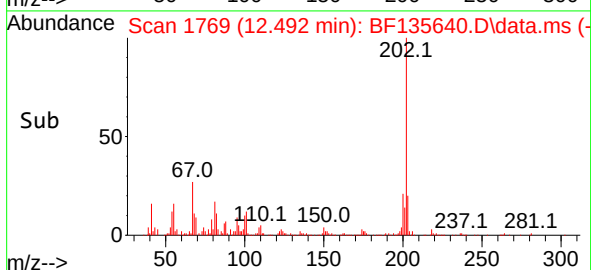
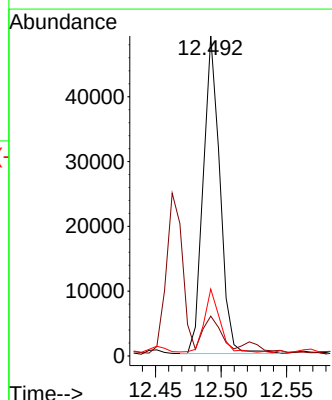
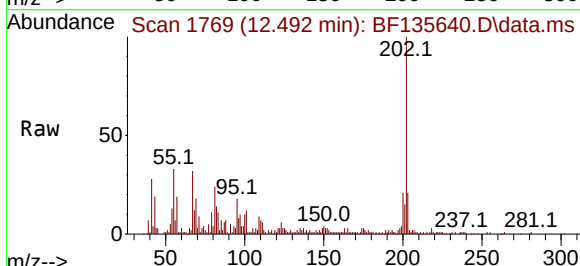
Tgt Ion:202 Resp: 43606

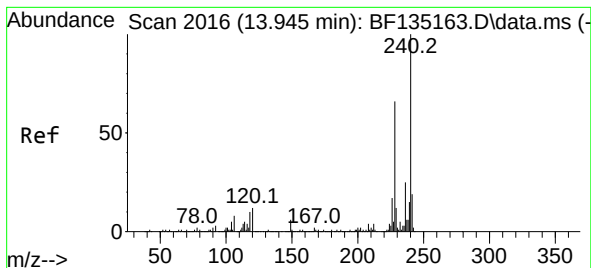
Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.3

203 20.9 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.927 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135640.D

Acq: 06 Oct 2023 21:05

Instrument :

BNA_F

ClientSampleId :

AU-06-10-4-2023

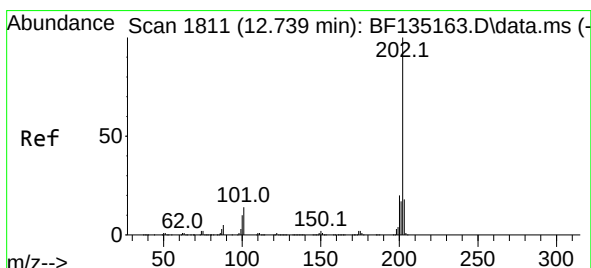
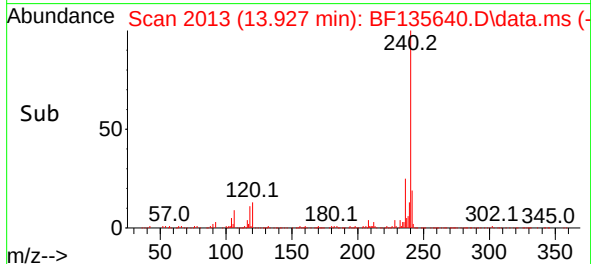
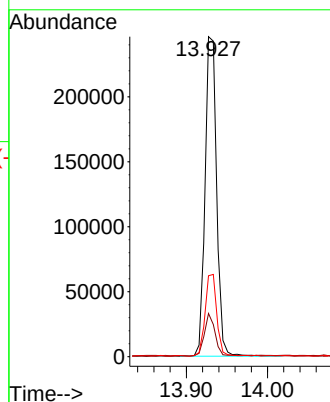
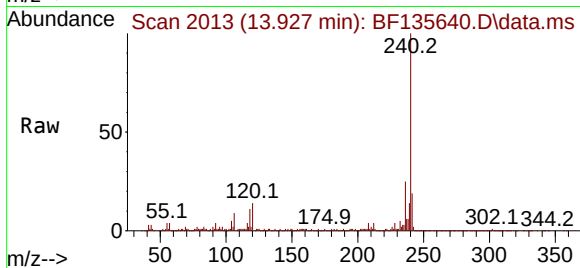
Tgt Ion:240 Resp: 243246

Ion Ratio Lower Upper

240 100

120 13.5 9.4 14.2

236 25.3 19.8 29.8



#78

Pyrene

Concen: 2.029 ng

RT: 12.722 min Scan# 1808

Delta R.T. 0.006 min

Lab File: BF135640.D

Acq: 06 Oct 2023 21:05

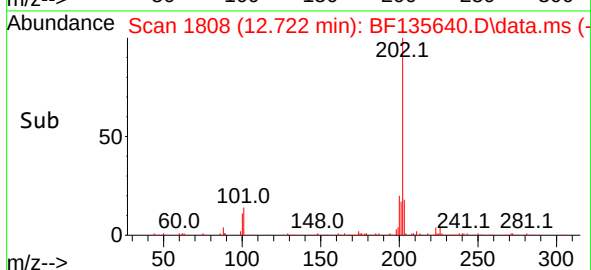
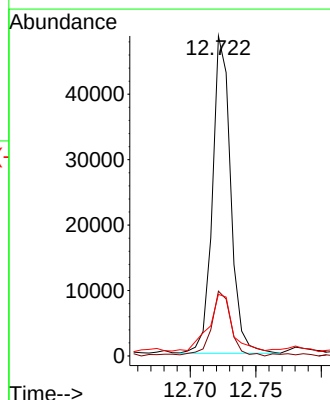
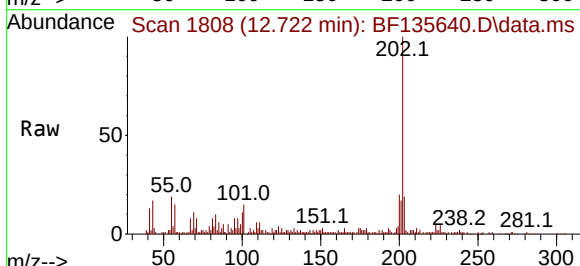
Tgt Ion:202 Resp: 46997

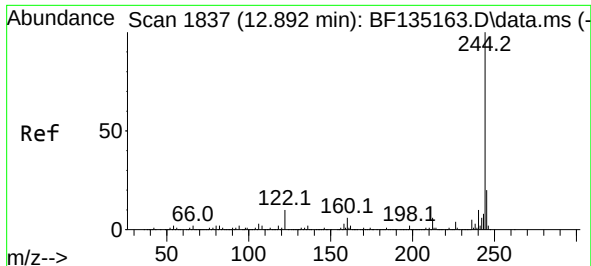
Ion Ratio Lower Upper

202 100

200 20.2 16.2 24.2

203 19.3 14.2 21.4

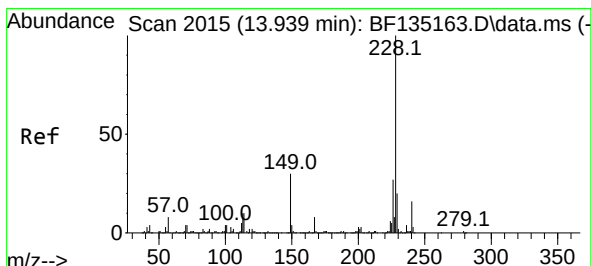
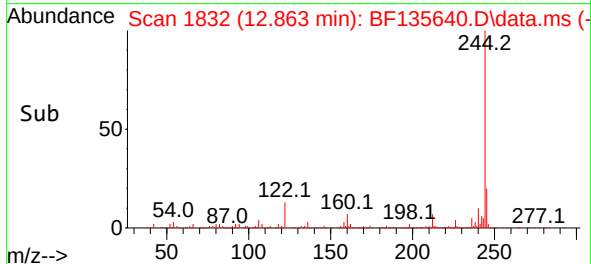
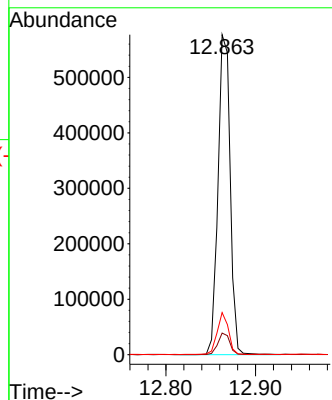
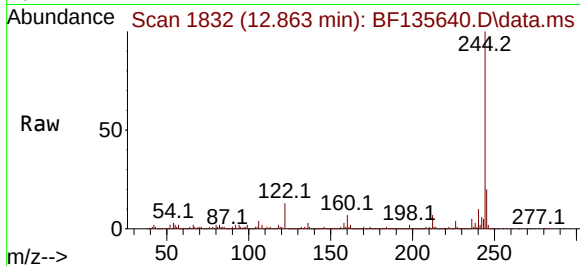




#79
 Terphenyl-d14
 Concen: 34.608 ng
 RT: 12.863 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF135640.D
 Acq: 06 Oct 2023 21:05

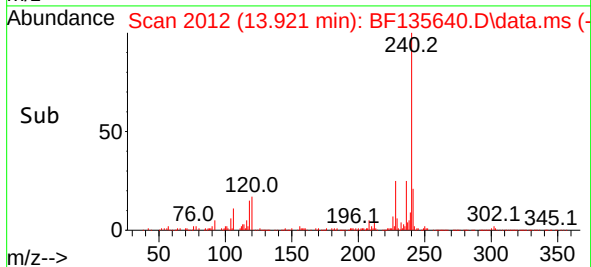
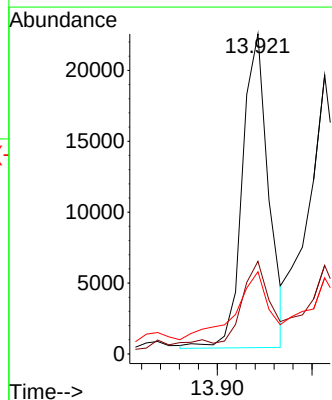
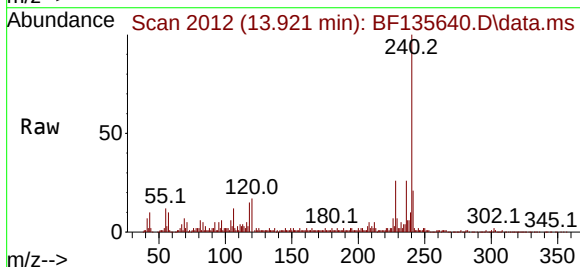
Instrument :
 BNA_F
 ClientSampleId :
 AU-06-10-4-2023

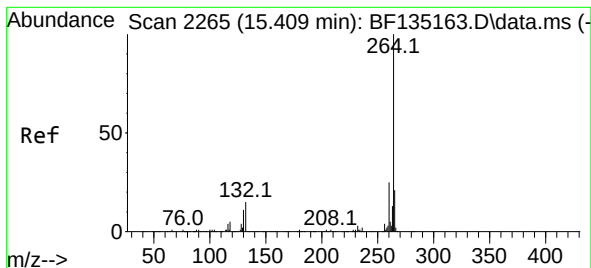
Tgt Ion:244 Resp: 543052
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 13.2 7.9 11.9#



#81
 Benzo(a)anthracene
 Concen: 1.355 ng
 RT: 13.921 min Scan# 2012
 Delta R.T. 0.006 min
 Lab File: BF135640.D
 Acq: 06 Oct 2023 21:05

Tgt Ion:228 Resp: 21282
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.7 32.5
 229 25.7 15.8 23.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.398 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135640.D

Acq: 06 Oct 2023 21:05

Instrument :

BNA_F

ClientSampleId :

AU-06-10-4-2023

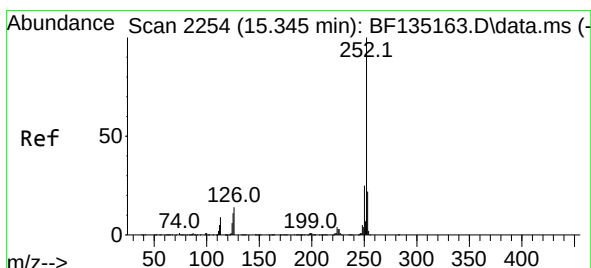
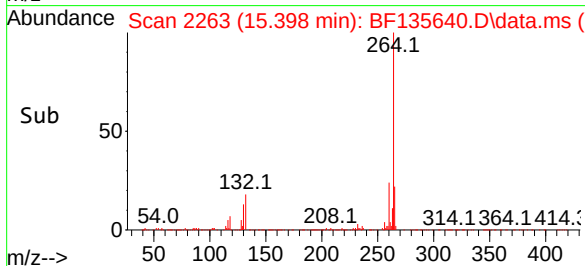
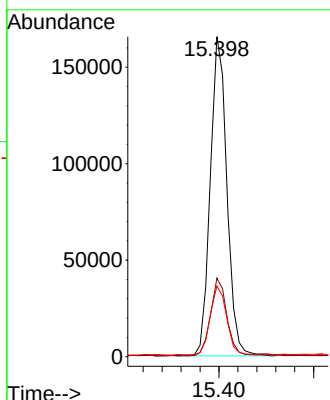
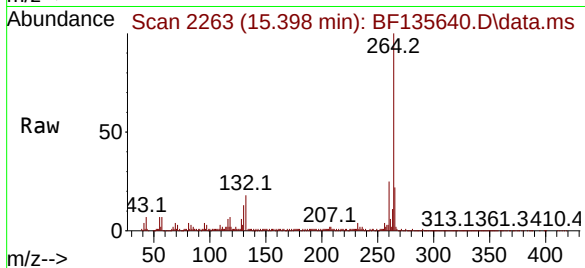
Tgt Ion:264 Resp: 201236

Ion Ratio Lower Upper

264 100

260 24.5 19.8 29.6

265 22.1 17.0 25.4



#90

Benzo(a)pyrene

Concen: 1.308 ng

RT: 15.339 min Scan# 2253

Delta R.T. 0.012 min

Lab File: BF135640.D

Acq: 06 Oct 2023 21:05

Tgt Ion:252 Resp: 13589

Ion Ratio Lower Upper

252 100

253 31.1 17.5 26.3#

125 33.9 9.2 13.8#

