

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013124\
 Data File : BF137208.D
 Acq On : 31 Jan 2024 14:04
 Operator : CG\JU
 Sample : P1277-03DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-40DL

Quant Time: Feb 01 01:15:15 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)

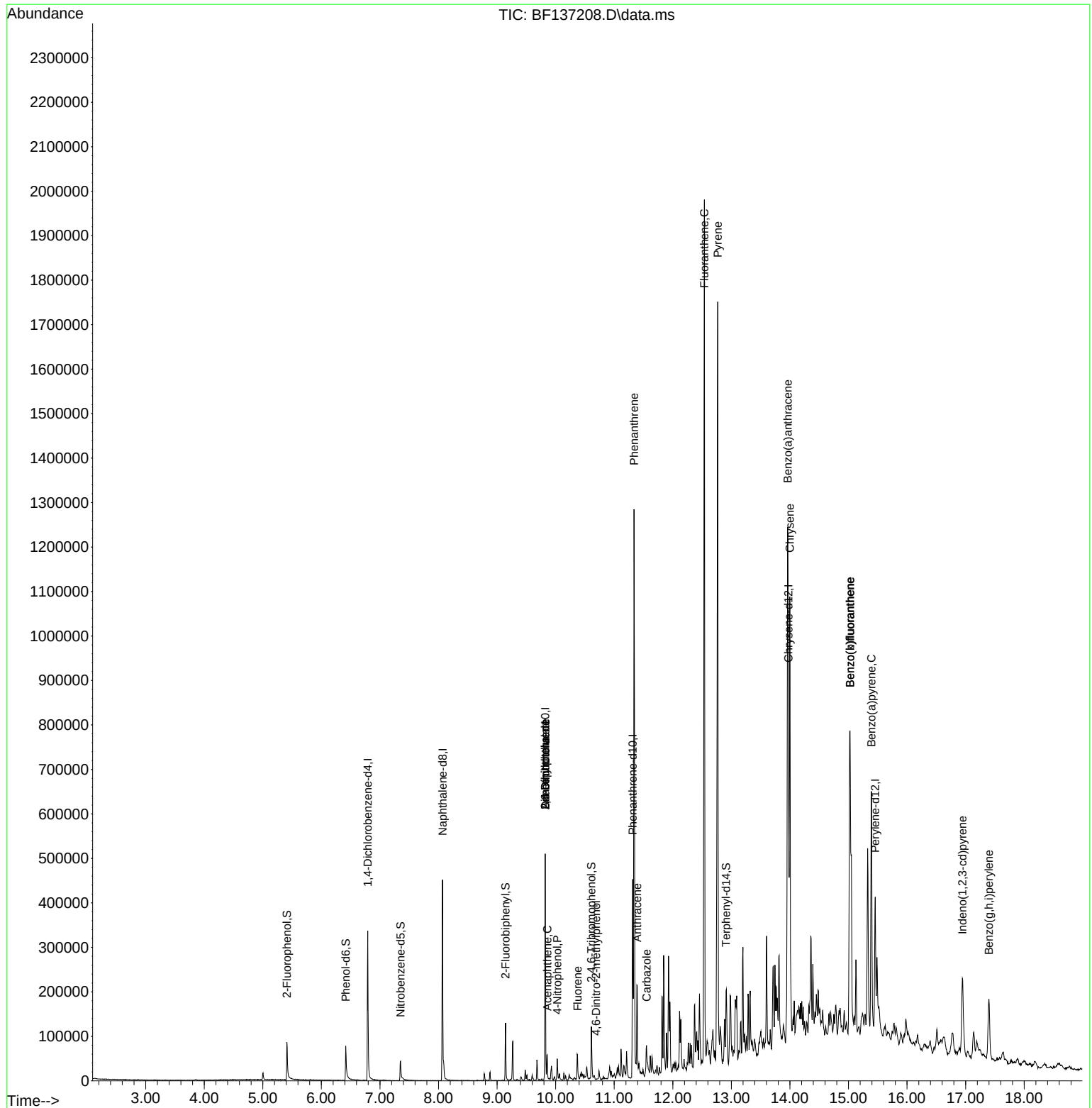
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	49935	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	182135	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	93401	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	174681	20.000	ng	0.00
76) Chrysene-d12	13.974	240	160817	20.000	ng	0.00
86) Perylene-d12	15.457	264	154055	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	29128	9.625	ng	0.00
7) Phenol-d6	6.416	99	33944	7.860	ng	-0.01
23) Nitrobenzene-d5	7.351	82	23128	5.685	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	10255	9.722	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	40426	5.950	ng	0.00
79) Terphenyl-d14	12.910	244	45148	3.817	ng	-0.01
Target Compounds						Qvalue
50) Dimethylphthalate	9.822	163	17478	2.770	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	12980	9.647	ng	# 18
52) Acenaphthene	9.857	154	12383	2.393	ng	97
56) 4-Nitrophenol	10.027	139	6435	13.475	ng	# 1
57) 2,4-Dinitrotoluene	9.822	165	12980	7.435	ng	# 17
58) Fluorene	10.374	166	16512	2.558	ng	91
65) 4,6-Dinitro-2-methylph...	10.692	198	59	5.511	ng	# 24
71) Phenanthrene	11.339	178	459856	50.286	ng	99
72) Anthracene	11.392	178	96527	10.127	ng	99
73) Carbazole	11.551	167	36689	4.606	ng	96
75) Fluoranthene	12.539	202	813290	84.991	ng	99
78) Pyrene	12.768	202	781567	50.572	ng	99
81) Benzo(a)anthracene	13.963	228	456478	40.080	ng	97
83) Chrysene	13.998	228	393879	35.177	ng	97
87) Indeno(1,2,3-cd)pyrene	16.945	276	139707	12.908	ng	95
88) Benzo(b)fluoranthene	15.027	252	616361	65.057	ng	98
89) Benzo(k)fluoranthene	15.027	252	616361	61.497	ng	97
90) Benzo(a)pyrene	15.392	252	293457	32.914	ng	99
92) Benzo(g,h,i)perylene	17.398	276	124148	14.586	ng	97

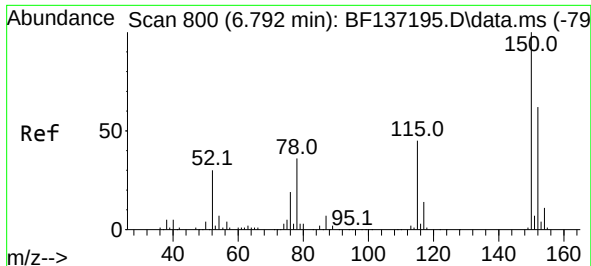
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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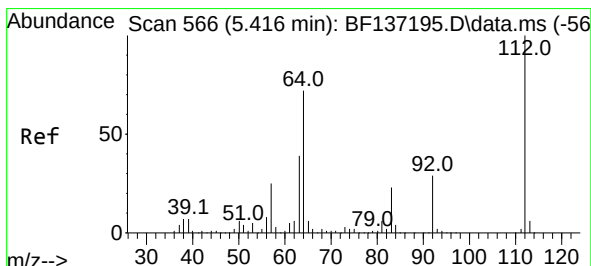
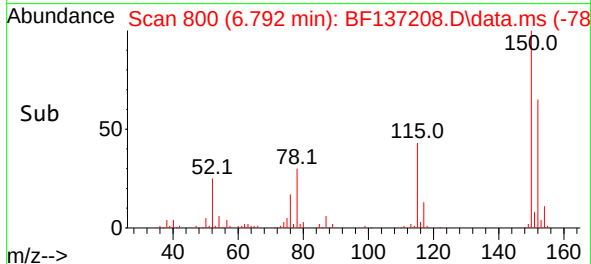
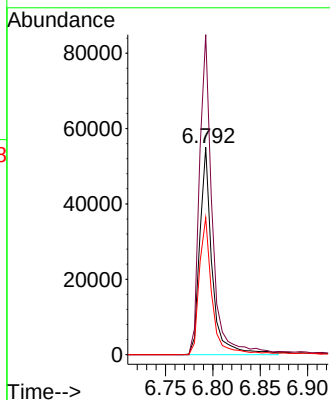
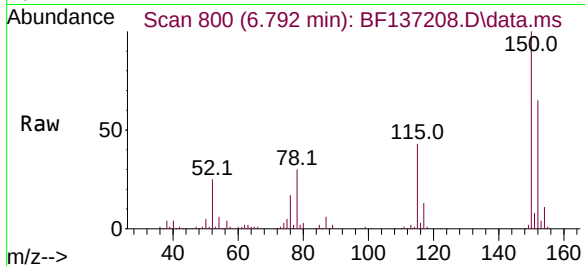




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

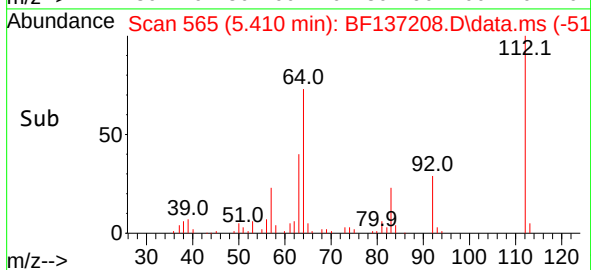
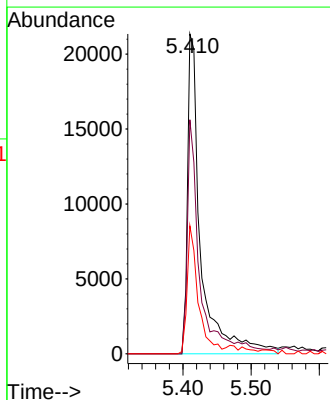
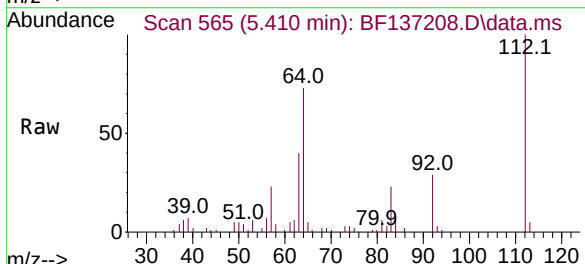
Instrument :
BNA_F
ClientSampleId :
TP-40DL

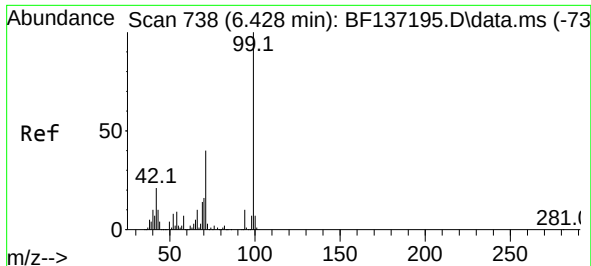
Tgt Ion:152 Resp: 49935
Ion Ratio Lower Upper
152 100
150 154.4 129.8 194.8
115 66.1 58.5 87.7



#5
2-Fluorophenol
Concen: 9.625 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.006 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

Tgt Ion:112 Resp: 29128
Ion Ratio Lower Upper
112 100
64 73.2 57.8 86.6
63 40.0 31.4 47.0





#7

Phenol-d6

Concen: 7.860 ng

RT: 6.416 min Scan# 738

Delta R.T. -0.012 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

Instrument :

BNA_F

ClientSampleId :

TP-40DL

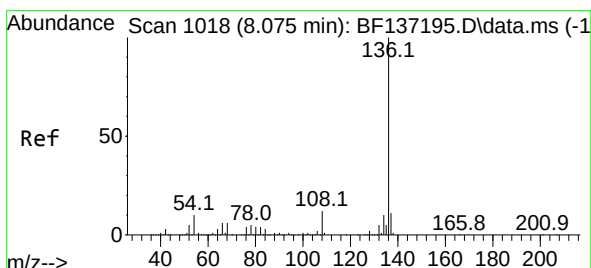
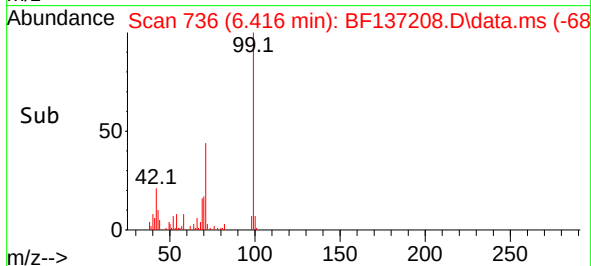
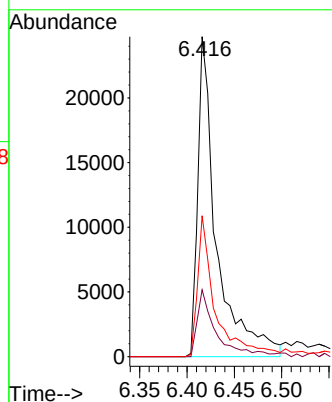
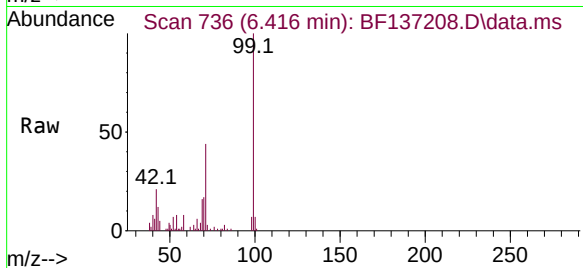
Tgt Ion: 99 Resp: 33944

Ion Ratio Lower Upper

99 100

42 20.9 16.4 24.6

71 44.0 32.4 48.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

Tgt Ion: 136 Resp: 182135

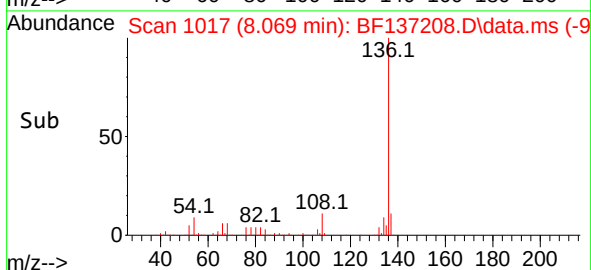
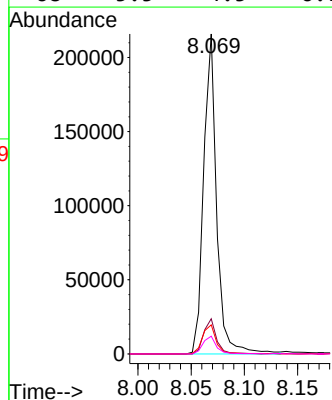
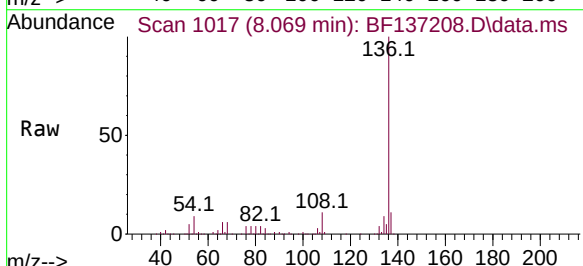
Ion Ratio Lower Upper

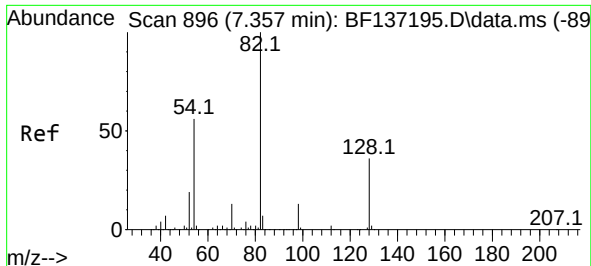
136 100

137 11.0 8.9 13.3

54 9.1 7.8 11.8

68 5.5 4.5 6.7

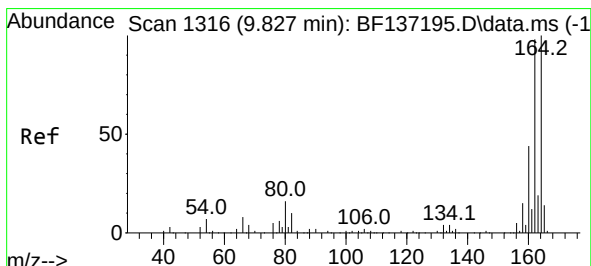
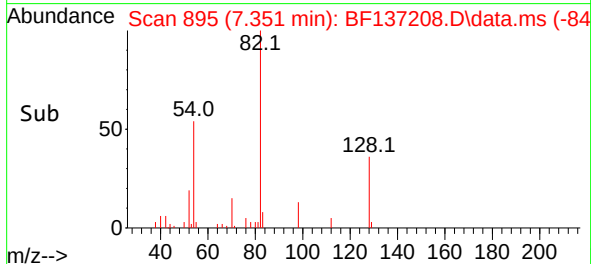
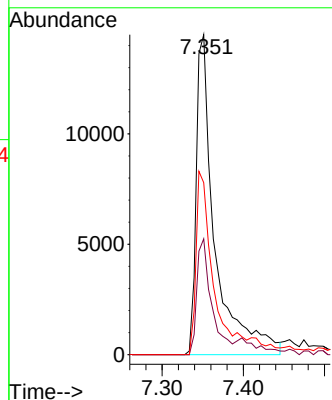
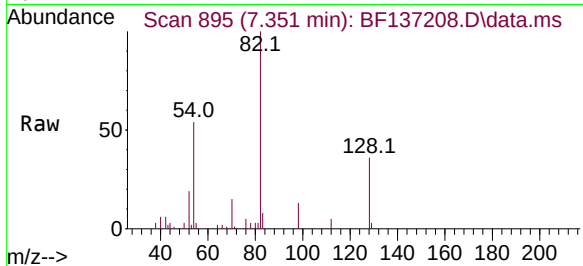




#23
Nitrobenzene-d5
Concen: 5.685 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

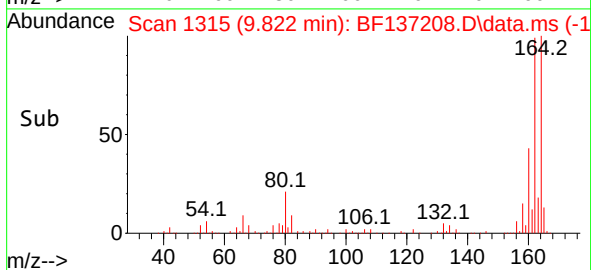
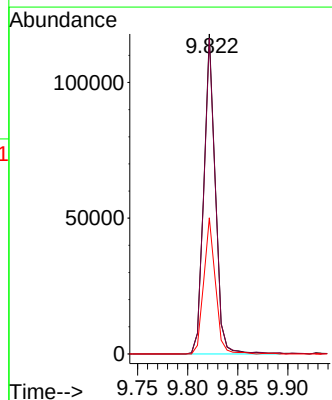
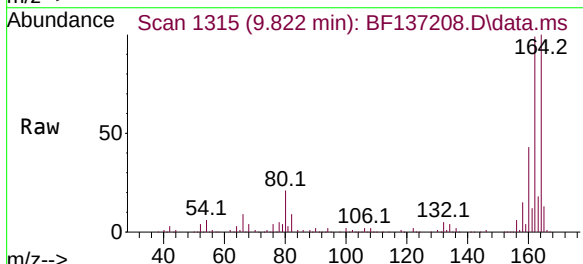
Instrument :
BNA_F
ClientSampleId :
TP-40DL

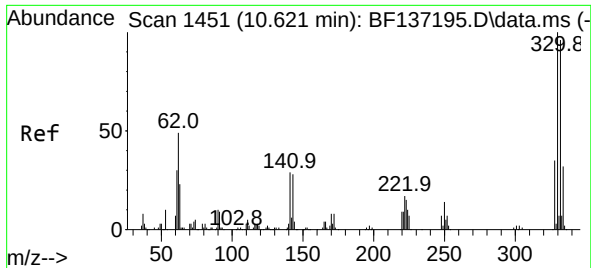
Tgt Ion:	82	Resp:	23128
Ion	Ratio	Lower	Upper
82	100		
128	36.2	29.1	43.7
54	53.7	45.0	67.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

Tgt Ion:	164	Resp:	93401
Ion	Ratio	Lower	Upper
164	100		
162	98.6	78.3	117.5
160	42.5	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 9.722 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

Instrument :

BNA_F

ClientSampleId :

TP-40DL

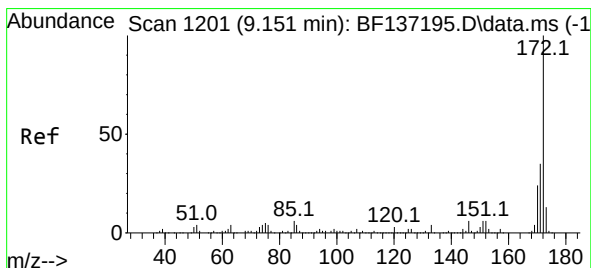
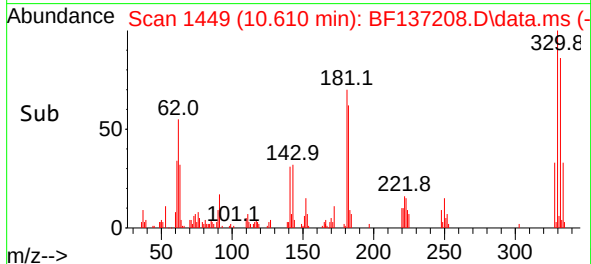
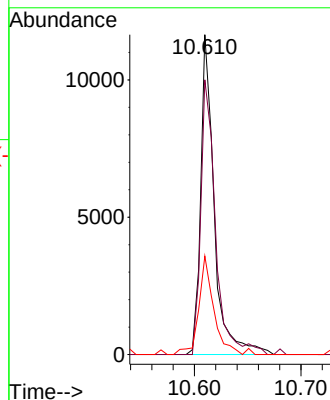
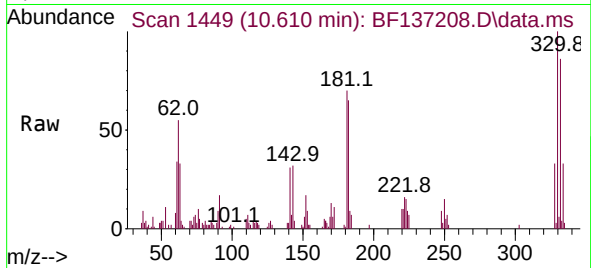
Tgt Ion:330 Resp: 10255

Ion Ratio Lower Upper

330 100

332 93.6 77.3 115.9

141 33.8 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 5.950 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

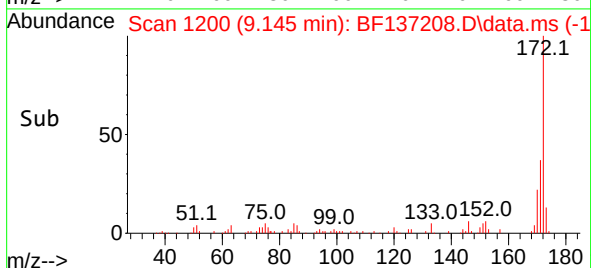
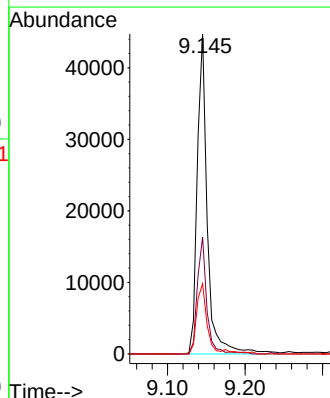
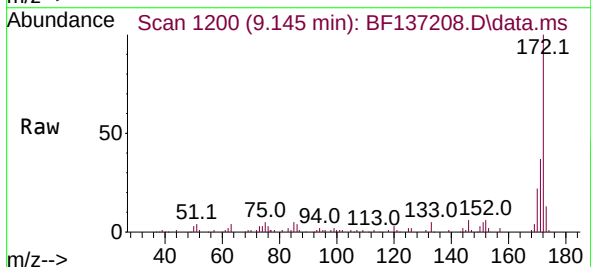
Tgt Ion:172 Resp: 40426

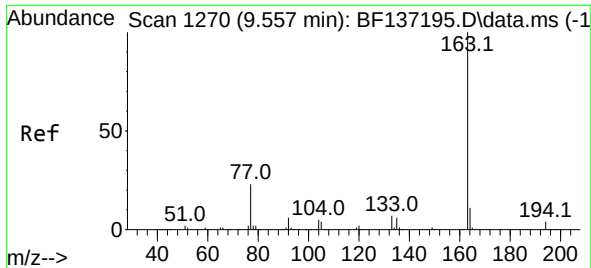
Ion Ratio Lower Upper

172 100

171 36.5 28.3 42.5

170 21.9 19.1 28.7

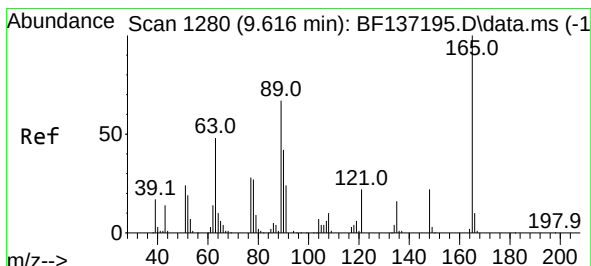
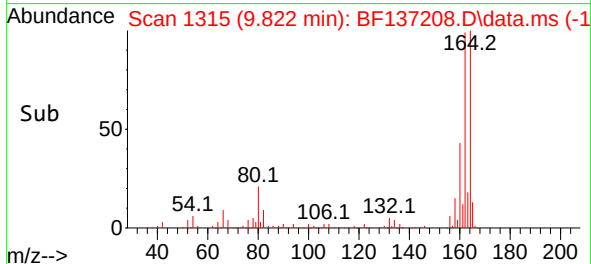
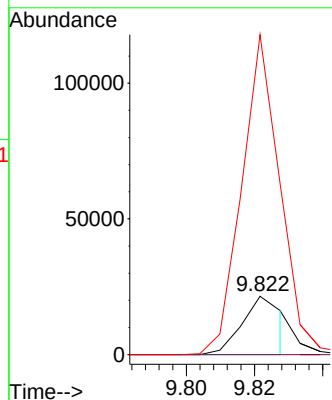
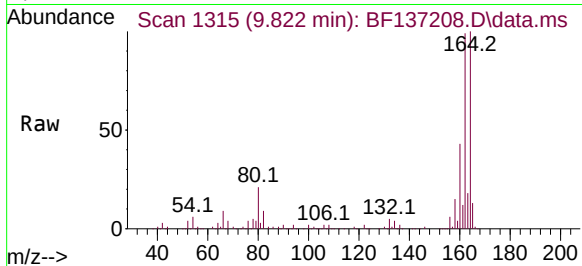




#50
Dimethylphthalate
Concen: 2.770 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

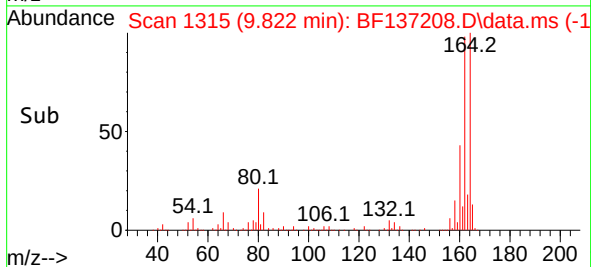
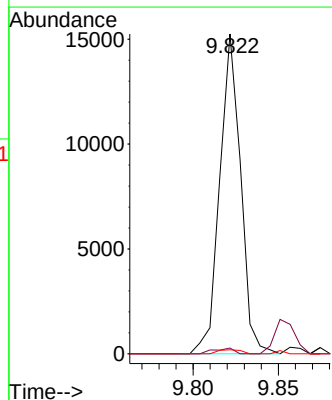
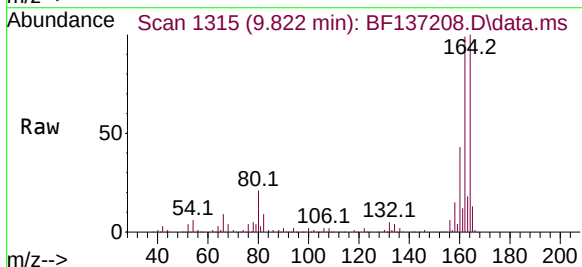
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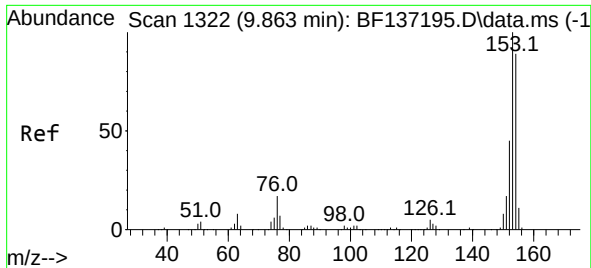
Tgt Ion:163 Resp: 17478
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 548.5 8.6 13.0#



#51
2,6-Dinitrotoluene
Concen: 9.647 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

Tgt Ion:165 Resp: 12980
Ion Ratio Lower Upper
165 100
63 1.8 55.1 82.7#
89 1.3 53.5 80.3#





#52

Acenaphthene

Concen: 2.393 ng

RT: 9.857 min Scan# 1322

Delta R.T. -0.006 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

Instrument :

BNA_F

ClientSampleId :

TP-40DL

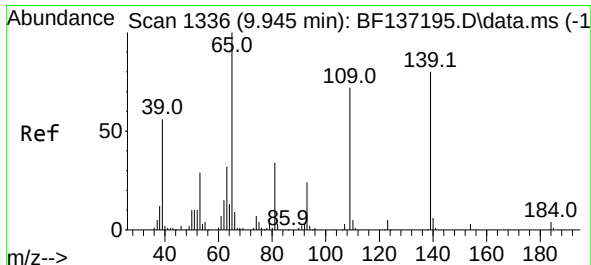
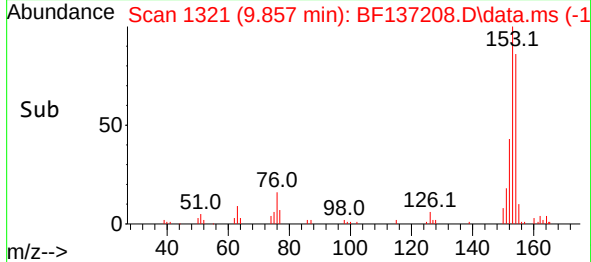
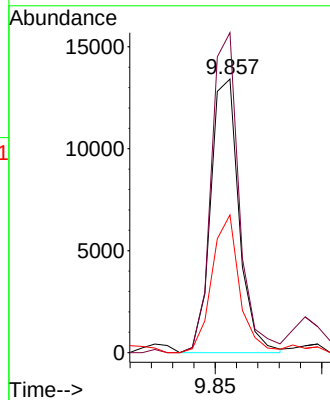
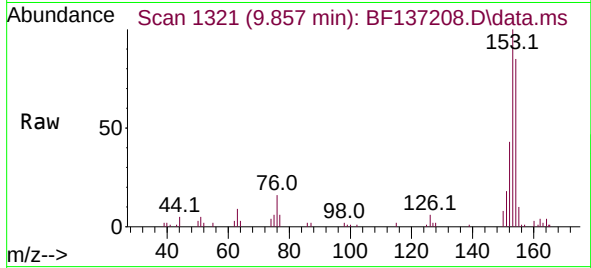
Tgt Ion:154 Resp: 12383

Ion Ratio Lower Upper

154 100

153 117.0 90.2 135.4

152 50.4 40.6 60.8



#56

4-Nitrophenol

Concen: 13.475 ng

RT: 10.027 min Scan# 1350

Delta R.T. 0.082 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

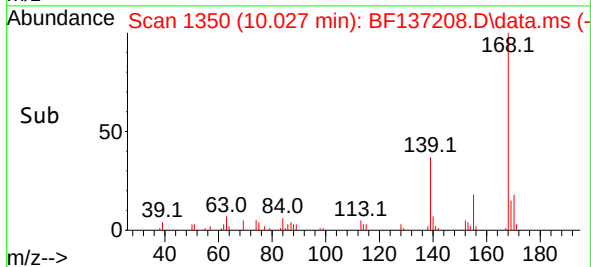
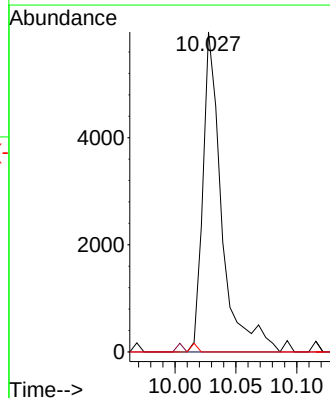
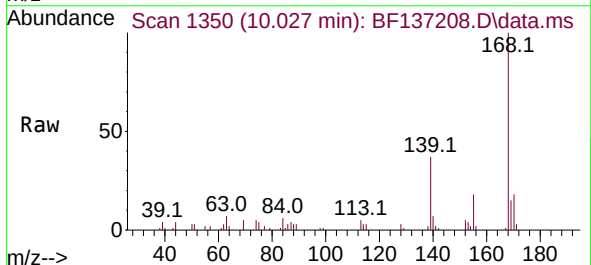
Tgt Ion:139 Resp: 6435

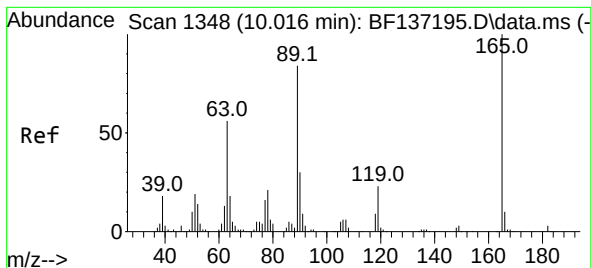
Ion Ratio Lower Upper

139 100

109 0.0 70.4 110.4#

65 0.0 107.6 147.6#

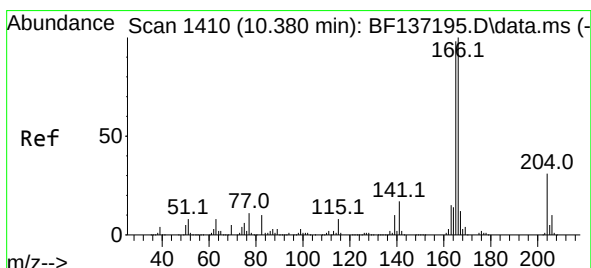
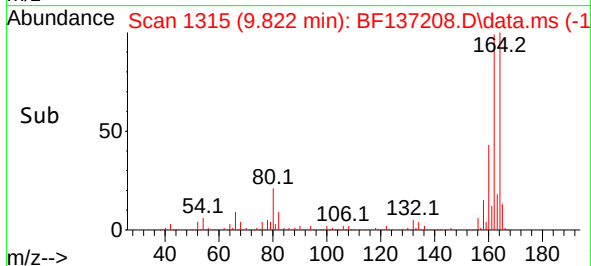
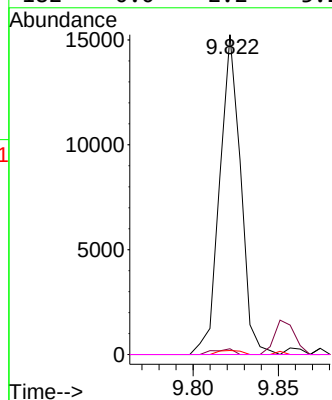
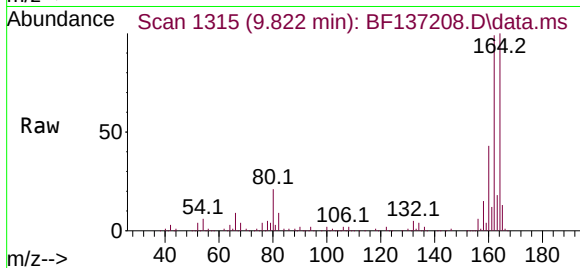




#57
2,4-Dinitrotoluene
Concen: 7.435 ng
RT: 9.822 min Scan# 1348
Delta R.T. -0.194 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

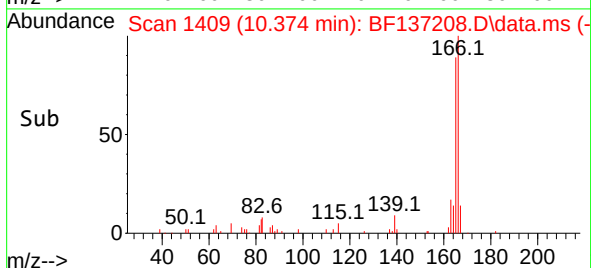
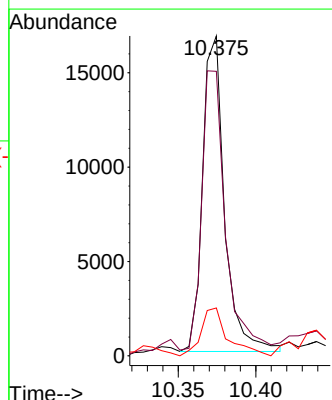
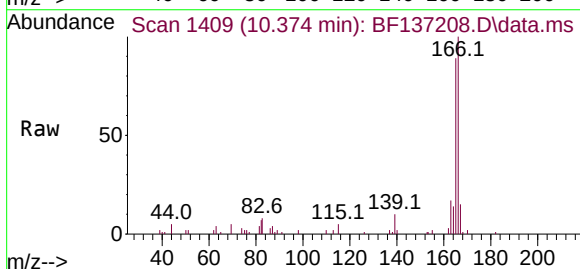
Instrument :
BNA_F
ClientSampleId :
TP-40DL

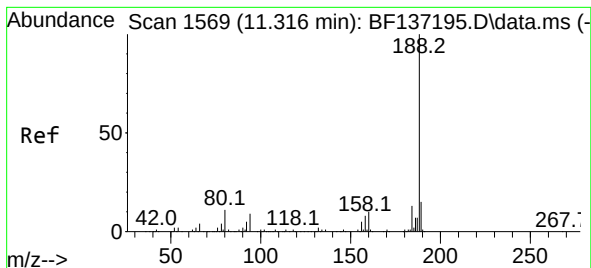
Tgt Ion:165 Resp: 12980
Ion Ratio Lower Upper
165 100
63 1.8 46.1 69.1#
89 1.3 67.5 101.3#
182 0.0 2.2 3.2#



#58
Fluorene
Concen: 2.558 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

Tgt Ion:166 Resp: 16512
Ion Ratio Lower Upper
166 100
165 88.9 78.5 117.7
167 15.0 10.0 15.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

Instrument :

BNA_F

ClientSampleId :

TP-40DL

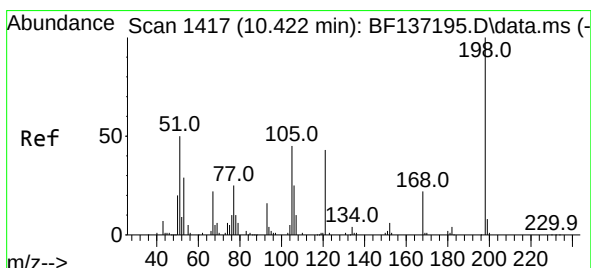
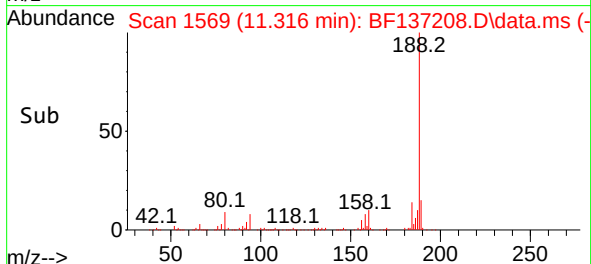
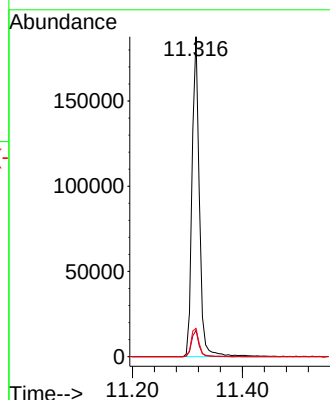
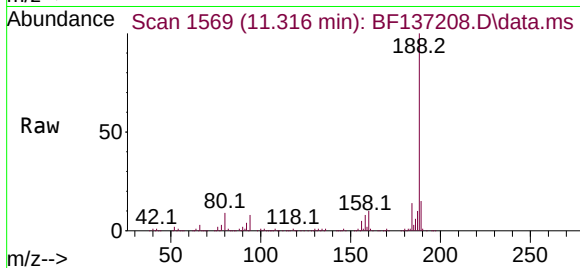
Tgt Ion:188 Resp: 174681

Ion Ratio Lower Upper

188 100

94 8.2 7.0 10.4

80 8.8 8.8 13.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.511 ng

RT: 10.692 min Scan# 1463

Delta R.T. 0.270 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

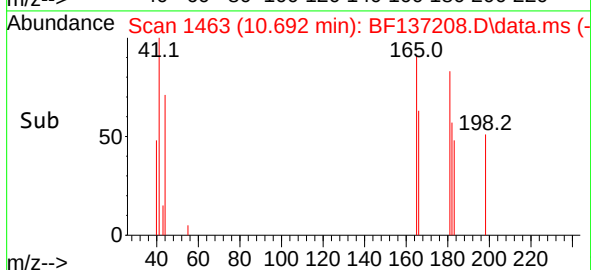
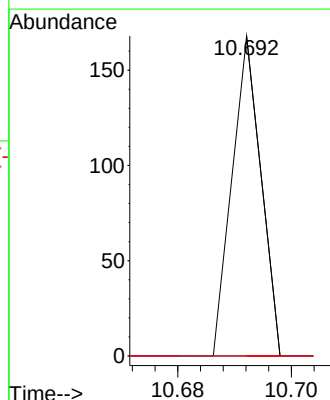
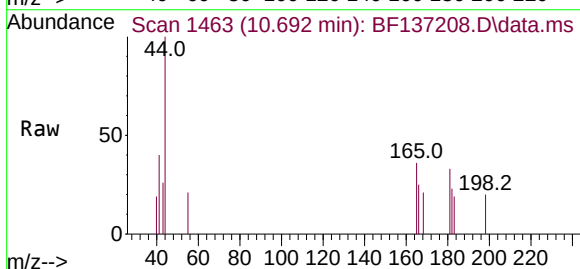
Tgt Ion:198 Resp: 59

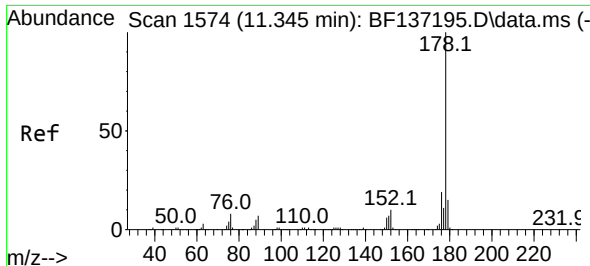
Ion Ratio Lower Upper

198 100

51 0.0 40.9 80.9#

105 0.0 26.5 66.5#

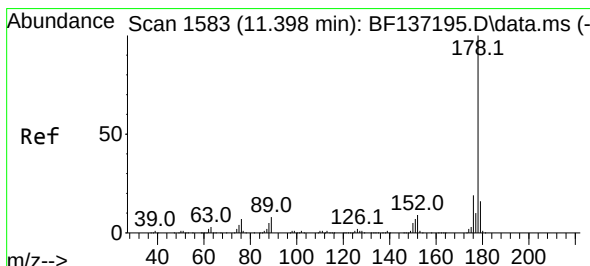
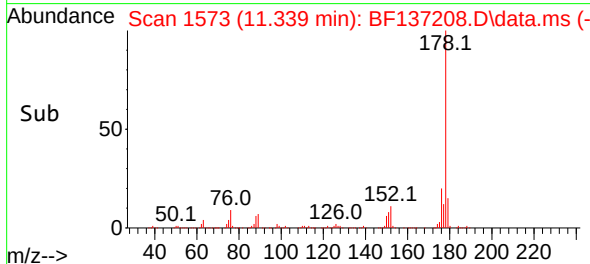
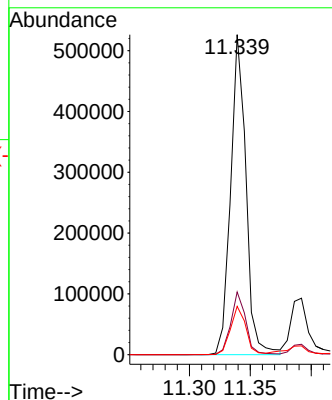
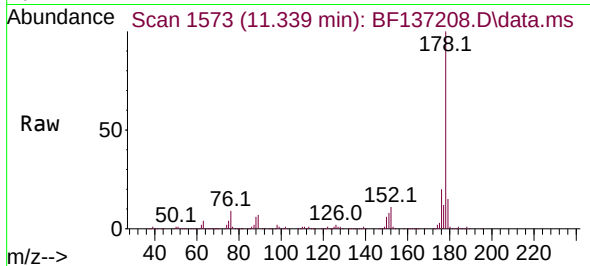




#71
Phenanthrene
Concen: 50.286 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

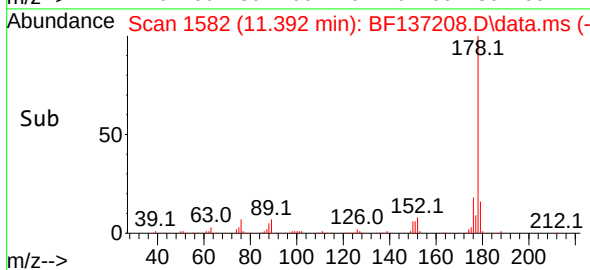
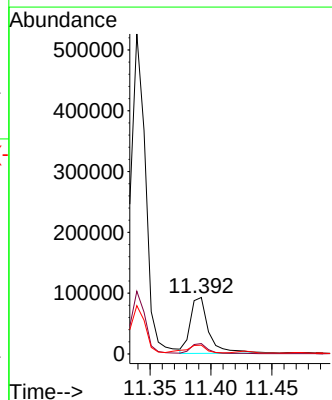
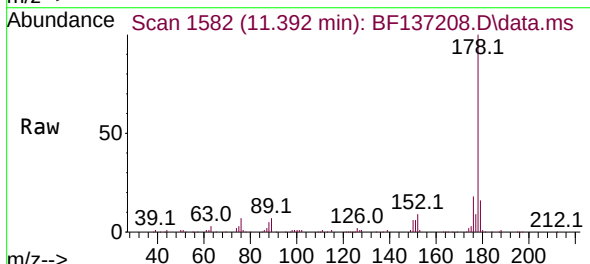
Instrument :
BNA_F
ClientSampleId :
TP-40DL

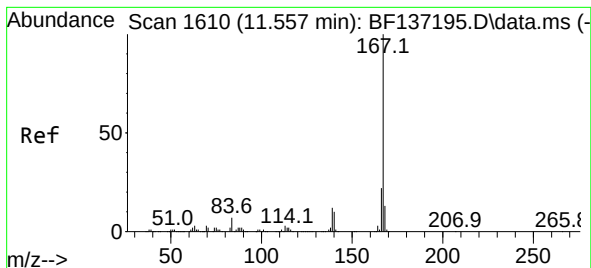
Tgt Ion:178 Resp: 459856
Ion Ratio Lower Upper
178 100
176 19.6 15.1 22.7
179 15.1 12.1 18.1



#72
Anthracene
Concen: 10.127 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

Tgt Ion:178 Resp: 96527
Ion Ratio Lower Upper
178 100
176 18.2 15.3 22.9
179 15.5 12.7 19.1





#73

Carbazole

Concen: 4.606 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

Instrument :

BNA_F

ClientSampleId :

TP-40DL

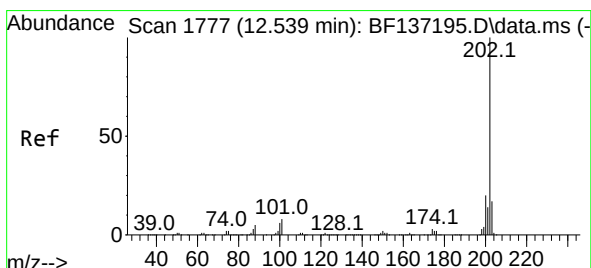
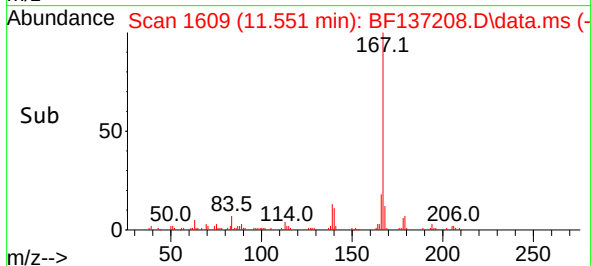
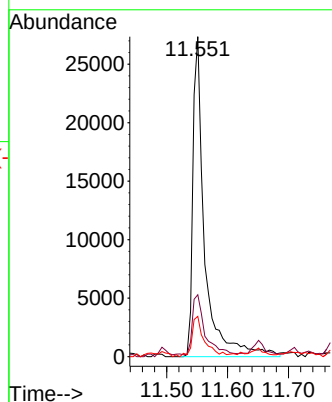
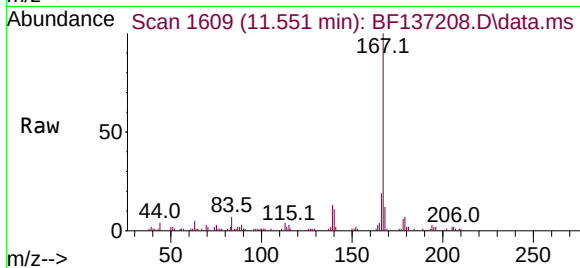
Tgt Ion:167 Resp: 36689

Ion Ratio Lower Upper

167 100

166 19.3 17.6 26.4

139 12.6 9.7 14.5



#75

Fluoranthene

Concen: 84.991 ng

RT: 12.539 min Scan# 1777

Delta R.T. 0.000 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

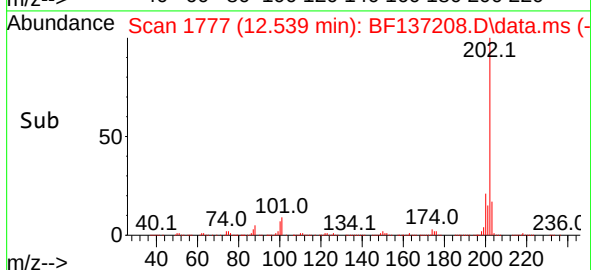
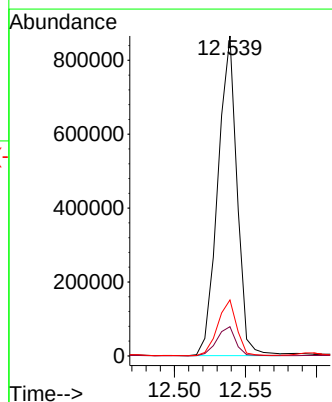
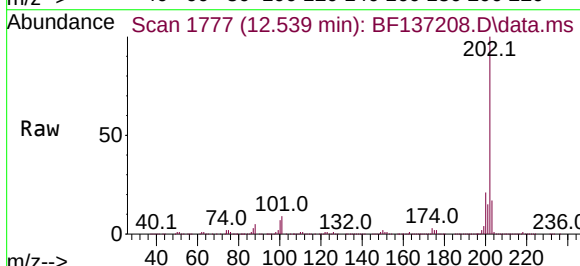
Tgt Ion:202 Resp: 813290

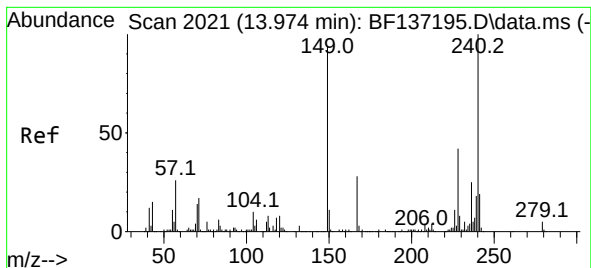
Ion Ratio Lower Upper

202 100

101 9.1 0.0 28.4

203 17.5 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

Instrument :

BNA_F

ClientSampleId :

TP-40DL

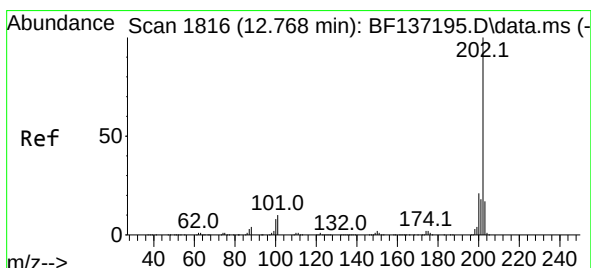
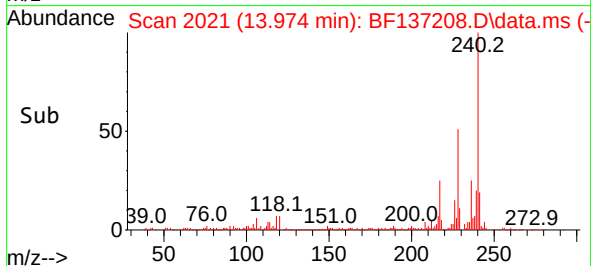
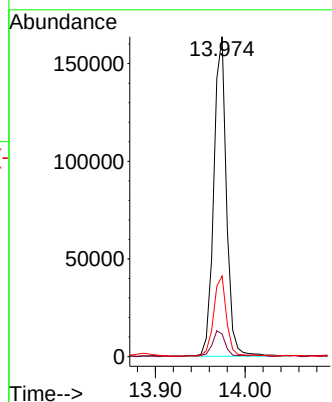
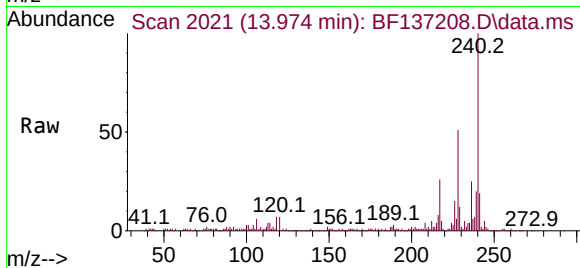
Tgt Ion:240 Resp: 160817

Ion Ratio Lower Upper

240 100

120 7.0 6.3 9.5

236 25.2 20.3 30.5



#78

Pyrene

Concen: 50.572 ng

RT: 12.768 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

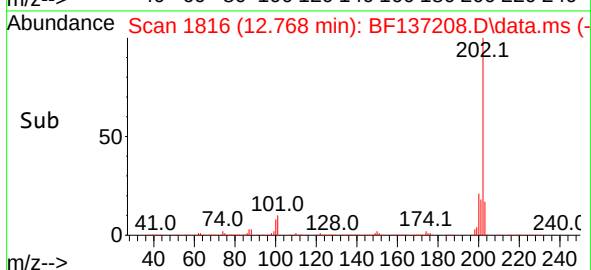
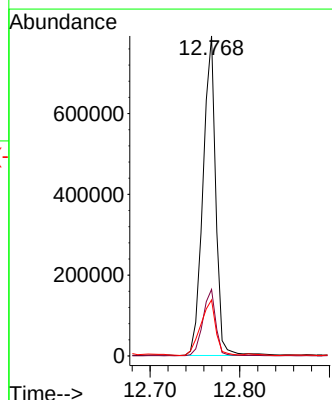
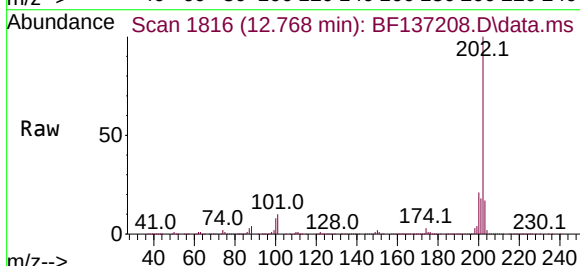
Tgt Ion:202 Resp: 781567

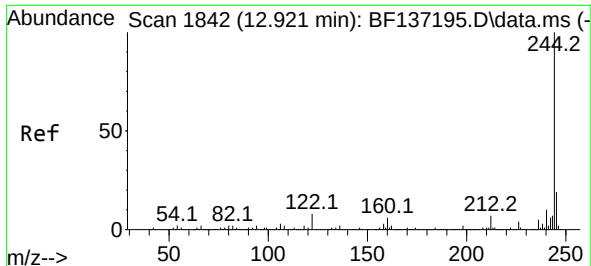
Ion Ratio Lower Upper

202 100

200 20.8 16.5 24.7

203 17.5 13.8 20.6

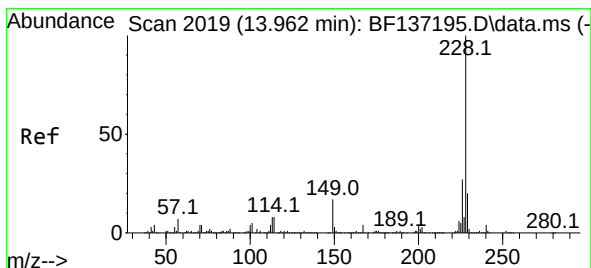
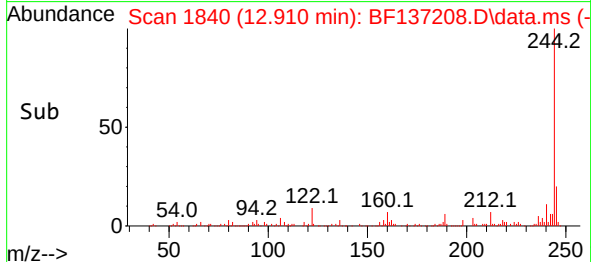
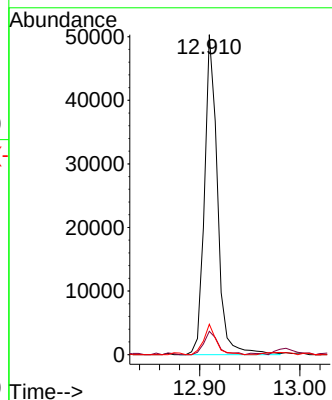
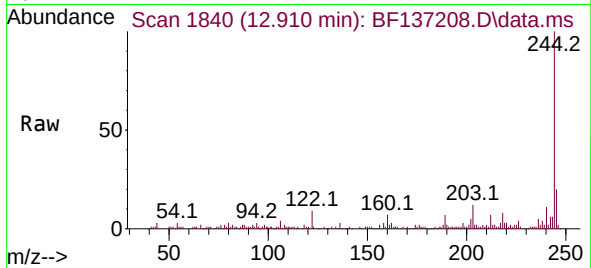




#79
 Terphenyl-d14
 Concen: 3.817 ng
 RT: 12.910 min Scan# 1842
 Delta R.T. -0.012 min
 Lab File: BF137208.D
 Acq: 31 Jan 2024 14:04

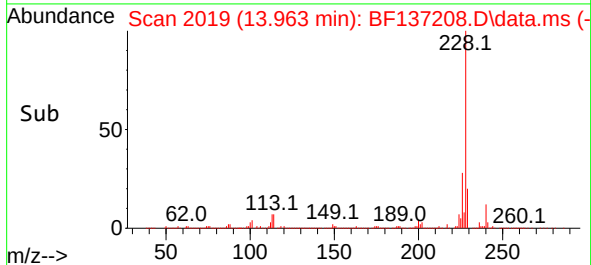
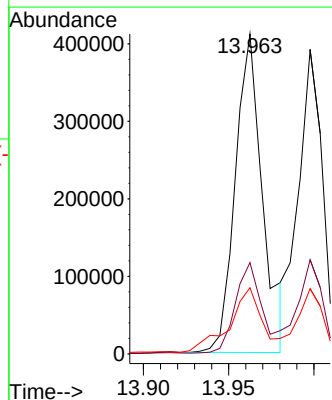
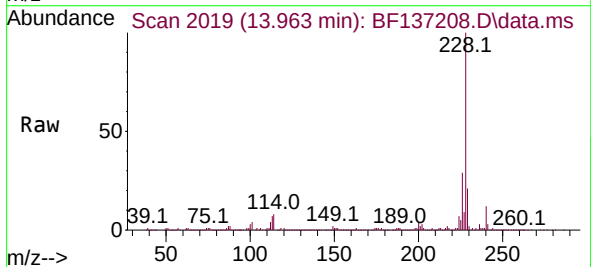
Instrument :
 BNA_F
 ClientSampleId :
 TP-40DL

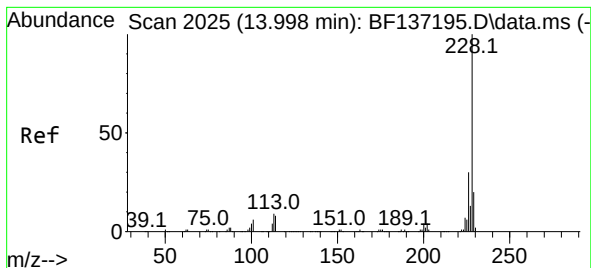
Tgt Ion:244 Resp: 45148
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.5 8.3
 122 9.5 6.2 9.4#



#81
 Benzo(a)anthracene
 Concen: 40.080 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: BF137208.D
 Acq: 31 Jan 2024 14:04

Tgt Ion:228 Resp: 456478
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.6 32.4
 229 20.7 15.8 23.6





#83

Chrysene

Concen: 35.177 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

Instrument :

BNA_F

ClientSampleId :

TP-40DL

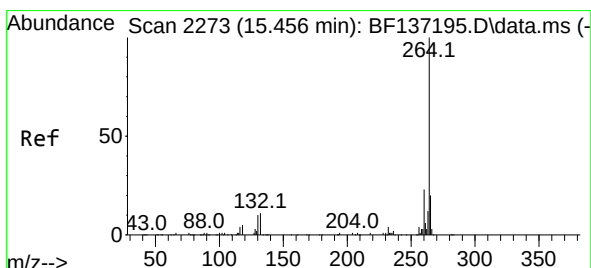
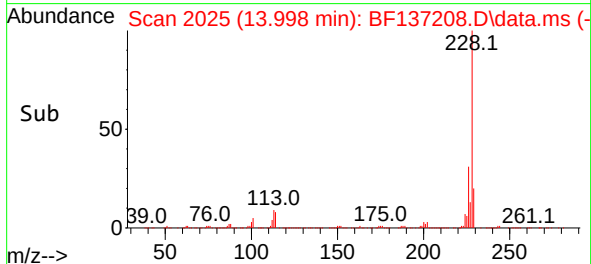
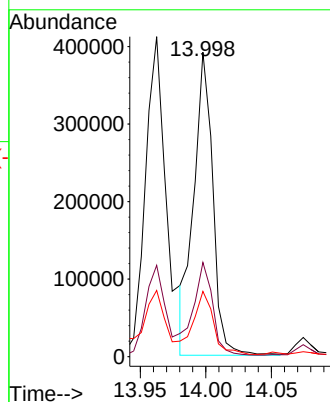
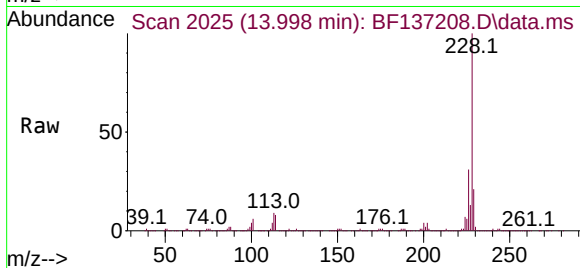
Tgt Ion:228 Resp: 393879

Ion Ratio Lower Upper

228 100

226 30.9 23.7 35.5

229 21.4 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: BF137208.D

Acq: 31 Jan 2024 14:04

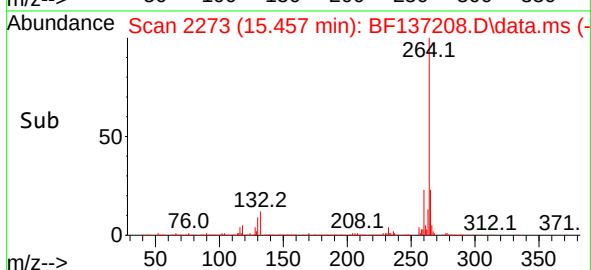
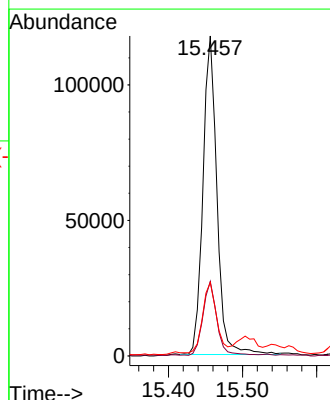
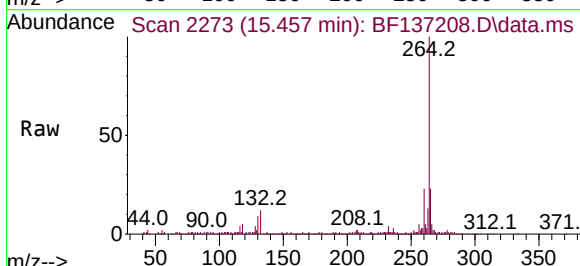
Tgt Ion:264 Resp: 154055

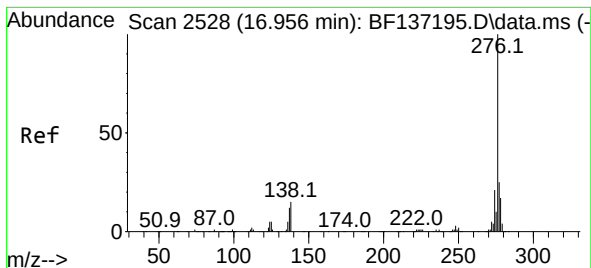
Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.4

265 22.9 16.2 24.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.908 ng

RT: 16.945 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

Instrument :

BNA_F

ClientSampleId :

TP-40DL

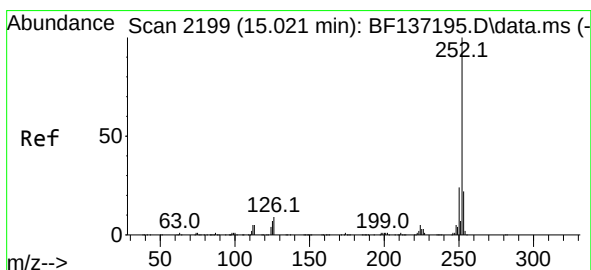
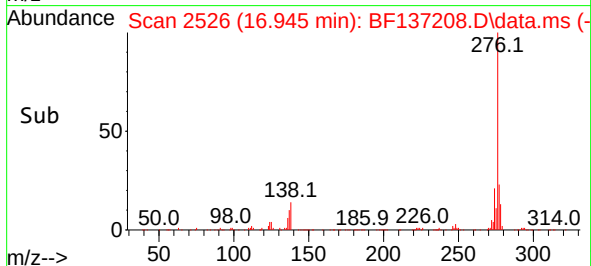
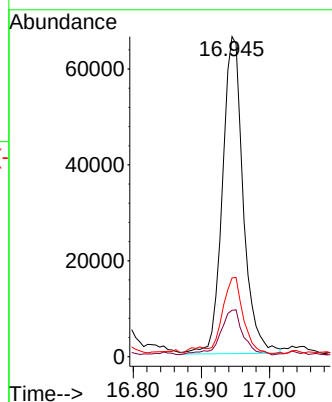
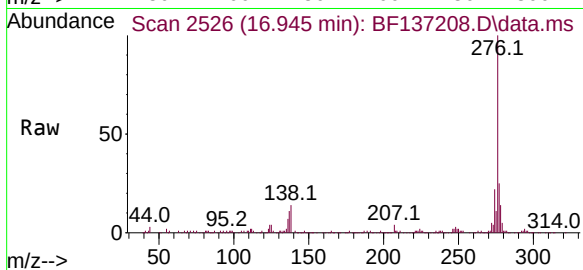
Tgt Ion:276 Resp: 139707

Ion Ratio Lower Upper

276 100

138 15.6 14.6 21.8

277 23.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 65.057 ng

RT: 15.027 min Scan# 2200

Delta R.T. 0.006 min

Lab File: BF137208.D

Acq: 31 Jan 2024 14:04

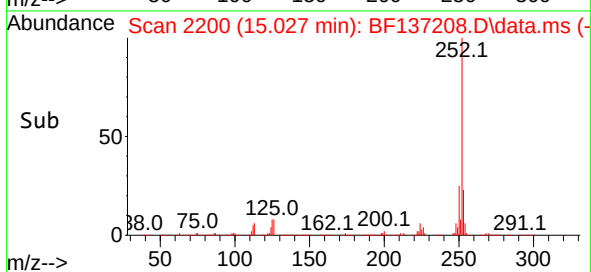
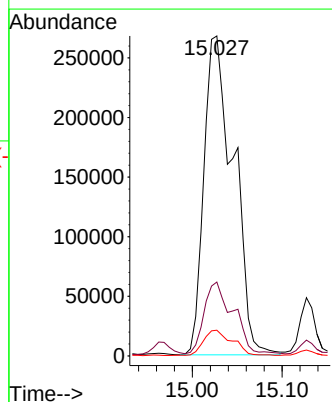
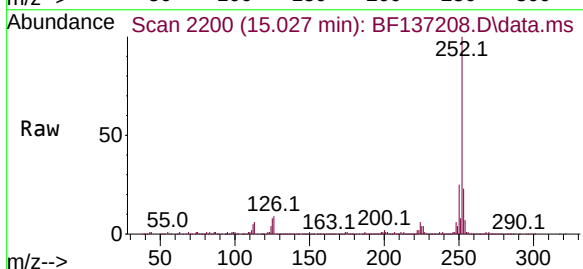
Tgt Ion:252 Resp: 616361

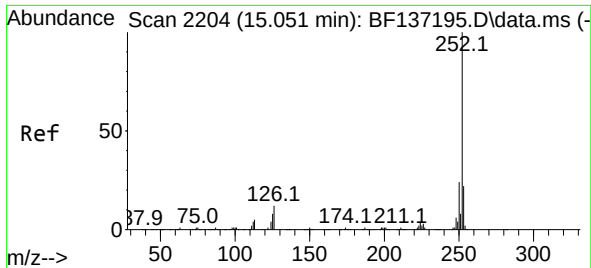
Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

125 8.0 5.4 8.2

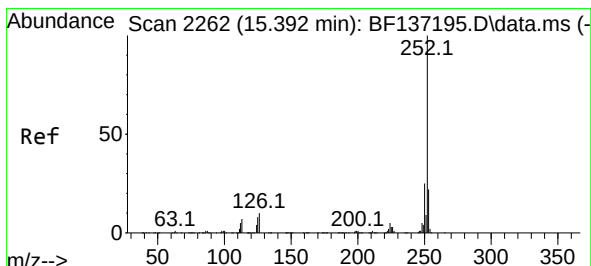
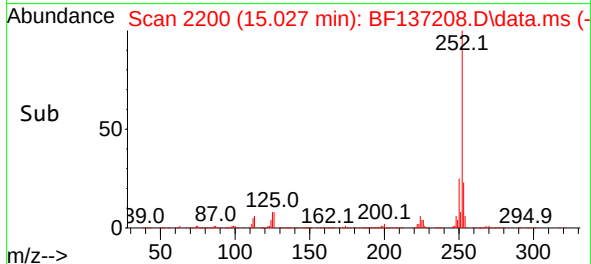
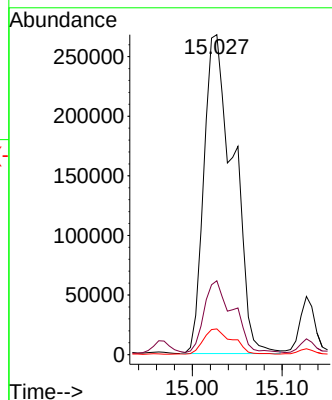
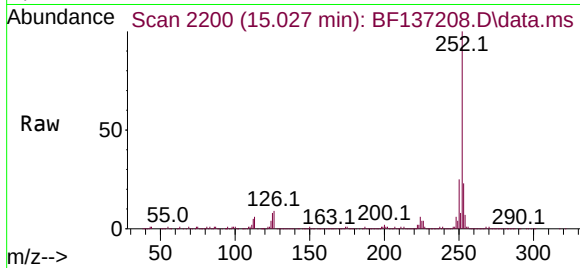




#89
Benzo(k)fluoranthene
Concen: 61.497 ng
RT: 15.027 min Scan# 2204
Delta R.T. -0.024 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

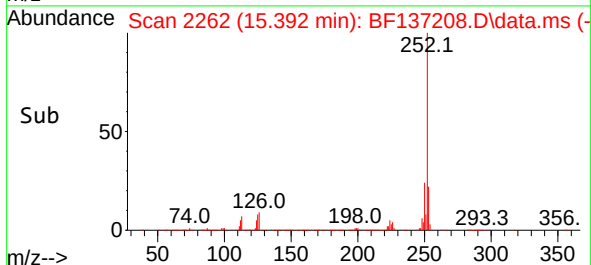
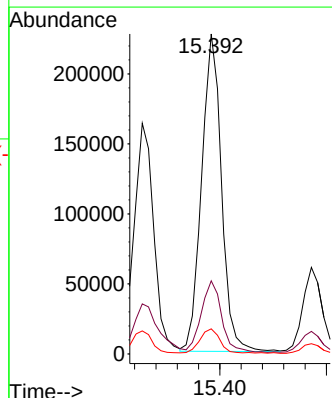
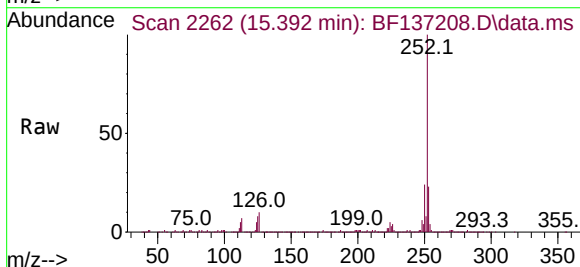
Instrument :
BNA_F
ClientSampleId :
TP-40DL

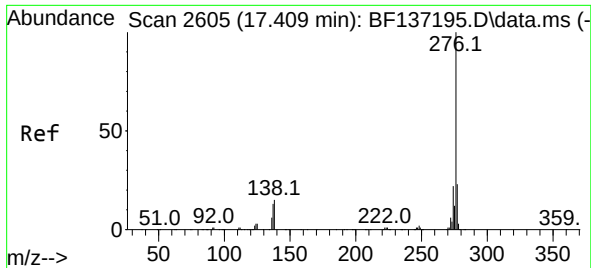
Tgt Ion:252 Resp: 616361
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 8.0 5.9 8.9



#90
Benzo(a)pyrene
Concen: 32.914 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.000 min
Lab File: BF137208.D
Acq: 31 Jan 2024 14:04

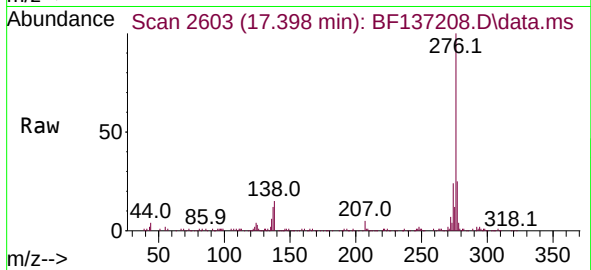
Tgt Ion:252 Resp: 293457
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 7.8 6.5 9.7





#92
 Benzo(g,h,i)perylene
 Concen: 14.586 ng
 RT: 17.398 min Scan# 2603
 Delta R.T. -0.012 min
 Lab File: BF137208.D
 Acq: 31 Jan 2024 14:04

Instrument :
 BNA_F
 ClientSampleId :
 TP-40DL



Tgt Ion:276 Resp: 124148
 Ion Ratio Lower Upper
 276 100
 277 24.7 18.4 27.6
 138 15.5 11.8 17.8

