

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
 Data File : BF136953.D
 Acq On : 04 Jan 2024 21:49
 Operator : CG\JU
 Sample : 05897-06DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-31DL

Quant Time: Jan 05 00:44:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

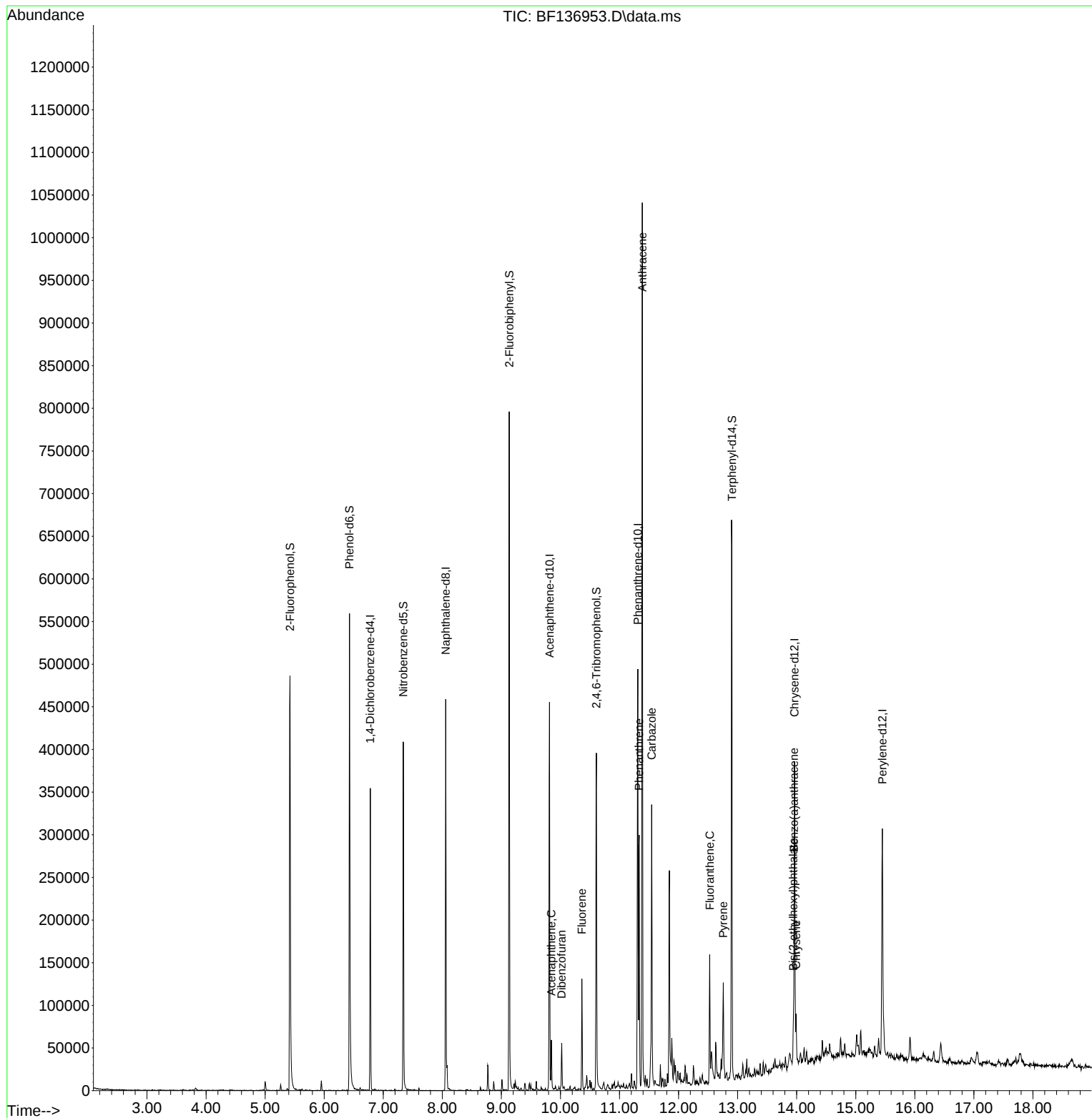
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	45938	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	175935	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	89304	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	169795	20.000	ng	0.00
76) Chrysene-d12	13.963	240	113831	20.000	ng	0.00
86) Perylene-d12	15.451	264	125886	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	153297	52.067	ng	0.00
7) Phenol-d6	6.428	99	189625	49.705	ng	-0.01
23) Nitrobenzene-d5	7.339	82	113330	32.962	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	51976	49.418	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	229266	34.529	ng	-0.02
79) Terphenyl-d14	12.904	244	239725	29.430	ng	-0.01
Target Compounds						
						Qvalue
52) Acenaphthene	9.845	154	11112	2.059	ng	93
55) Dibenzofuran	10.022	168	22513	2.751	ng	91
58) Fluorene	10.363	166	34789	5.358	ng	97
71) Phenanthrene	11.333	178	111035	12.745	ng	99
72) Anthracene	11.386	178	371756	42.134	ng	98
73) Carbazole	11.545	167	129951	15.622	ng	100
75) Fluoranthene	12.527	202	56570	6.070	ng	99
78) Pyrene	12.757	202	41929	3.752	ng	99
81) Benzo(a)anthracene	13.957	228	19100	2.416	ng	95
83) Chrysene	13.992	228	22405	2.899	ng	97
84) Bis(2-ethylhexyl)phtha...	13.945	149	10674	2.086	ng	# 91

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

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Quant Time: Jan 05 00:44:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration

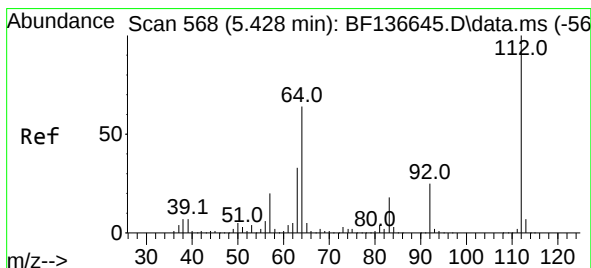
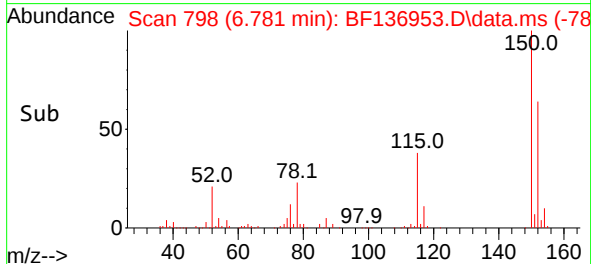
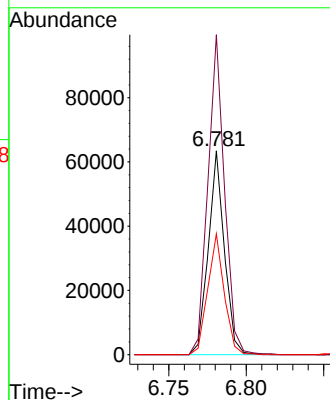
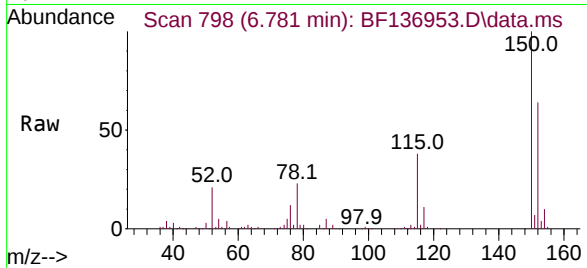




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136953.D
Acq: 04 Jan 2024 21:49

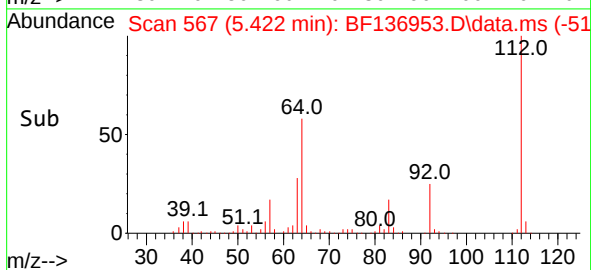
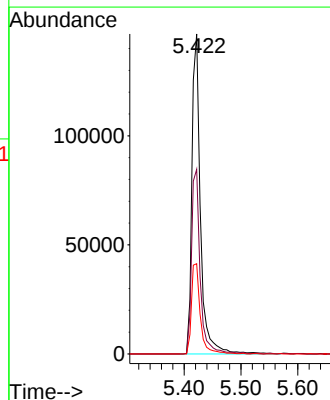
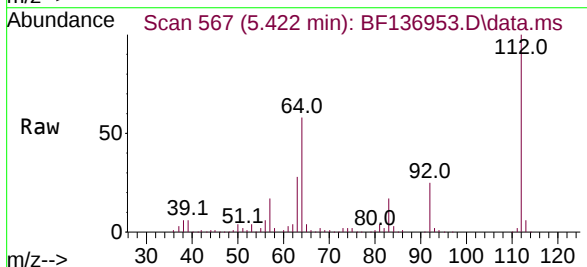
Instrument :
BNA_F
ClientSampleId :
GHL-SS-31DL

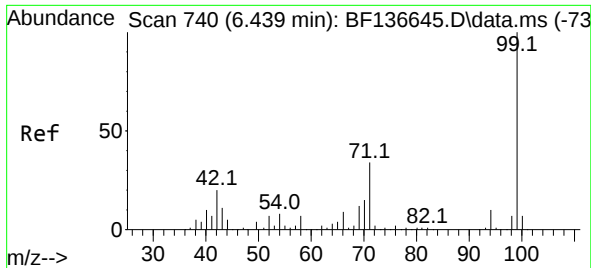
Tgt Ion:152 Resp: 45938
Ion Ratio Lower Upper
152 100
150 156.9 127.0 190.6
115 59.2 49.0 73.4



#5
2-Fluorophenol
Concen: 52.067 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136953.D
Acq: 04 Jan 2024 21:49

Tgt Ion:112 Resp: 153297
Ion Ratio Lower Upper
112 100
64 57.7 51.1 76.7
63 28.2 26.1 39.1

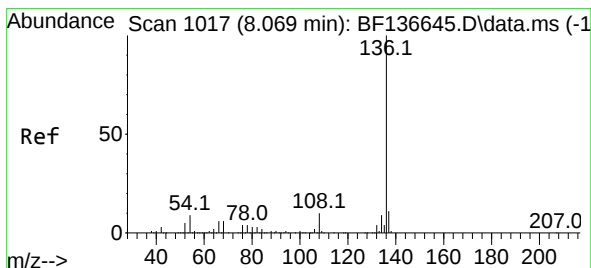
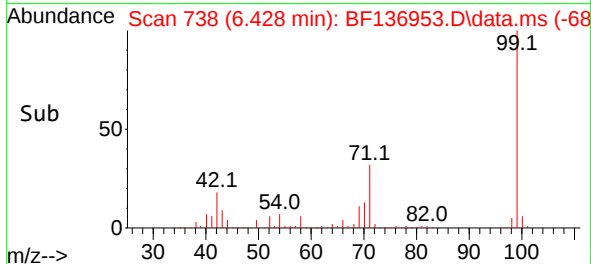
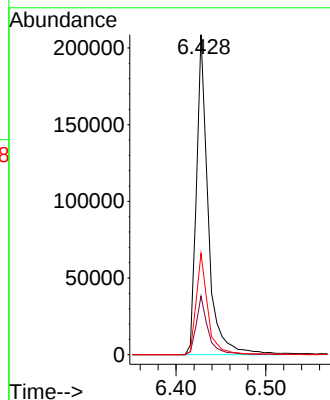
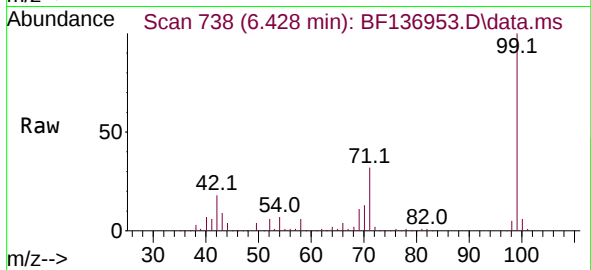




#7
Phenol-d6
Concen: 49.705 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136953.D
Acq: 04 Jan 2024 21:49

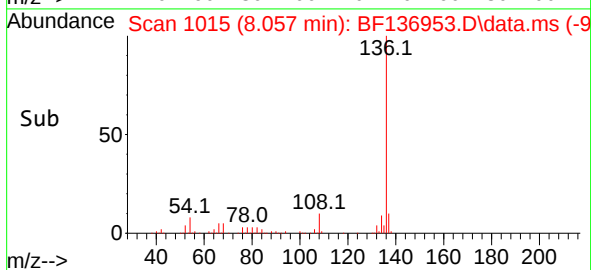
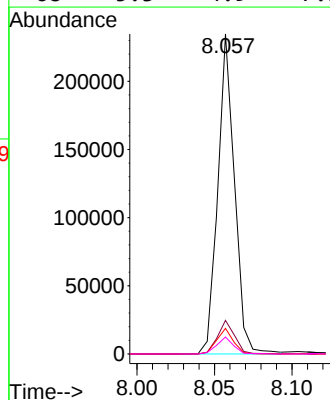
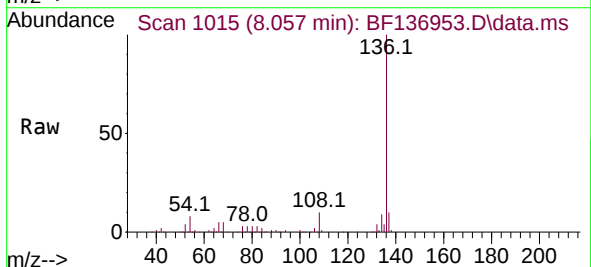
Instrument :
BNA_F
ClientSampleId :
GHL-SS-31DL

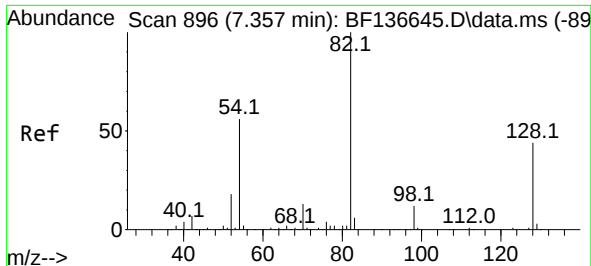
Tgt Ion: 99 Resp: 189625
Ion Ratio Lower Upper
99 100
42 18.3 16.1 24.1
71 31.7 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136953.D
Acq: 04 Jan 2024 21:49

Tgt Ion:136 Resp: 175935
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.4
54 8.0 7.2 10.8
68 5.3 4.9 7.3





#23

Nitrobenzene-d5

Concen: 32.962 ng

RT: 7.339 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF136953.D

Acq: 04 Jan 2024 21:49

Instrument :

BNA_F

ClientSampleId :

GHL-SS-31DL

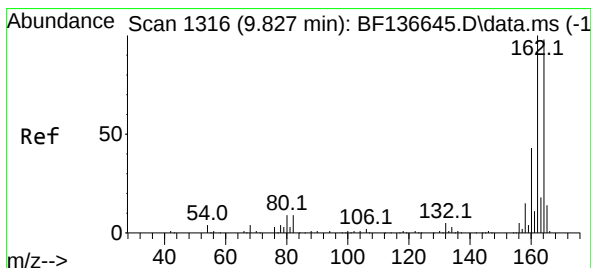
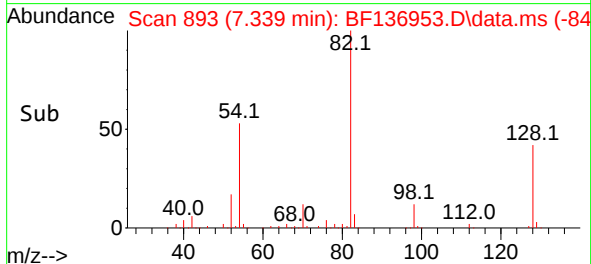
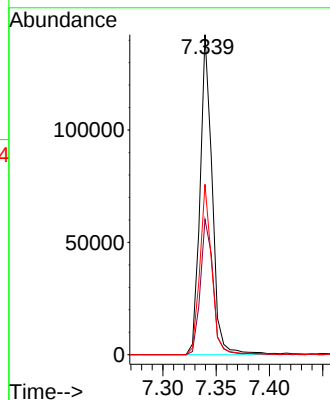
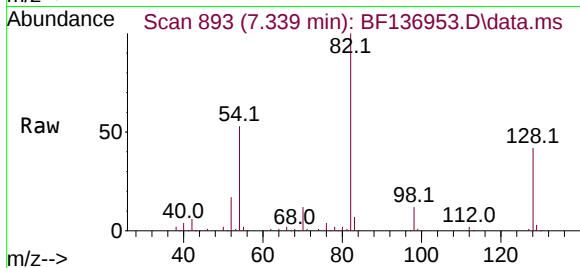
Tgt Ion: 82 Resp: 113330

Ion Ratio Lower Upper

82 100

128 42.3 35.3 52.9

54 53.3 44.5 66.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF136953.D

Acq: 04 Jan 2024 21:49

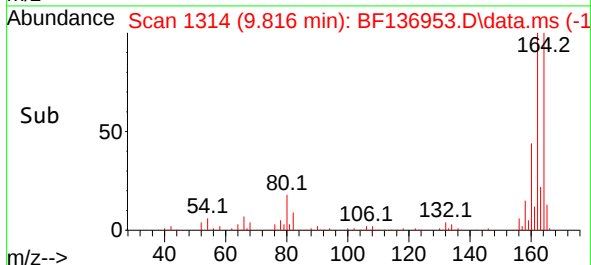
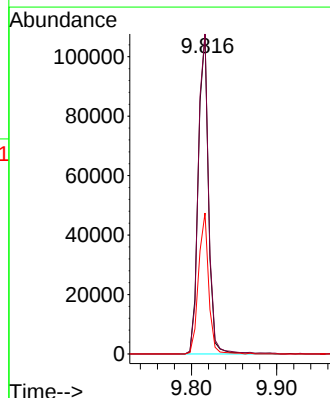
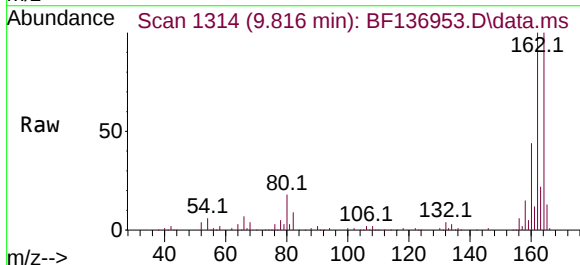
Tgt Ion:164 Resp: 89304

Ion Ratio Lower Upper

164 100

162 100.2 81.6 122.4

160 44.1 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 49.418 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136953.D

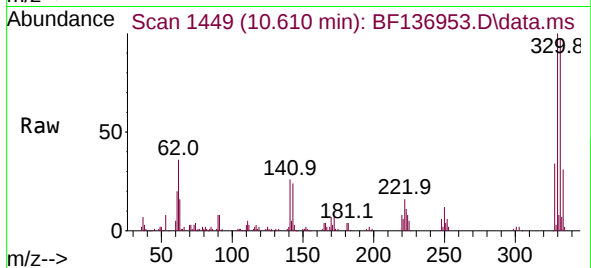
Acq: 04 Jan 2024 21:49

Instrument :

BNA_F

ClientSampleId :

GHL-SS-31DL



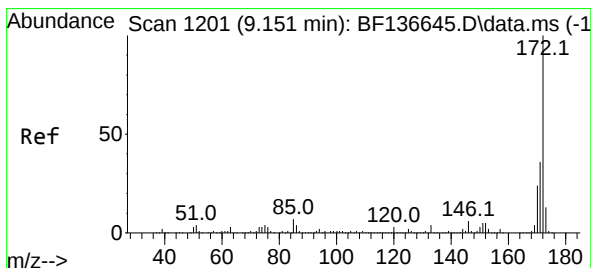
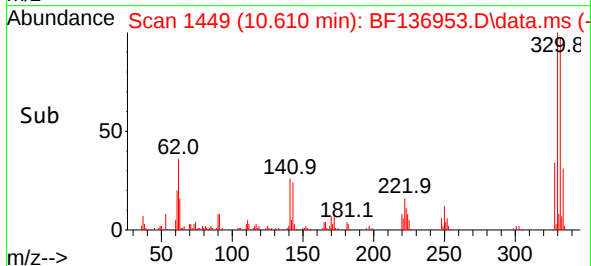
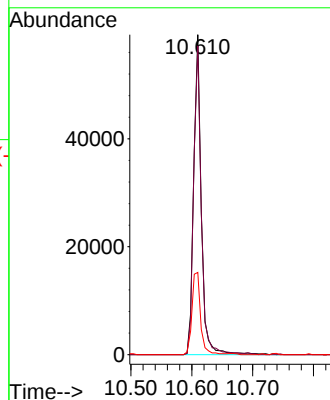
Tgt Ion:330 Resp: 51976

Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.0

141 29.1 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 34.529 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136953.D

Acq: 04 Jan 2024 21:49

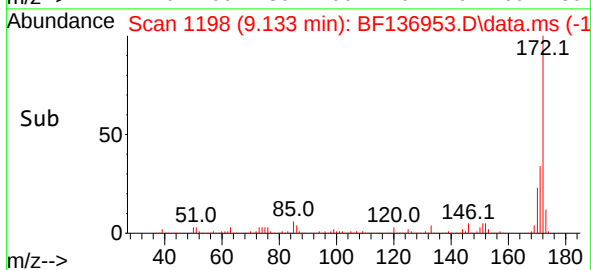
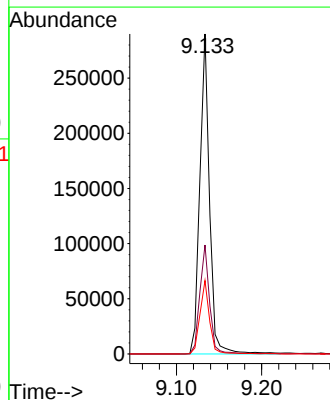
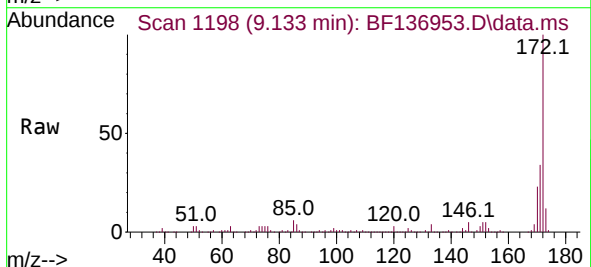
Tgt Ion:172 Resp: 229266

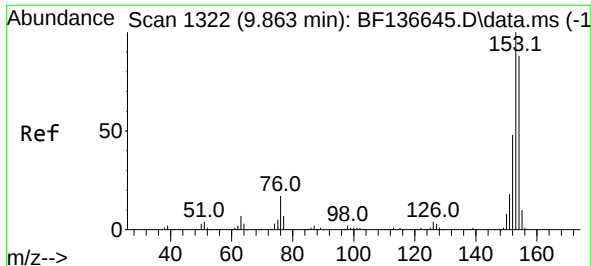
Ion Ratio Lower Upper

172 100

171 34.0 29.0 43.6

170 23.0 19.0 28.4

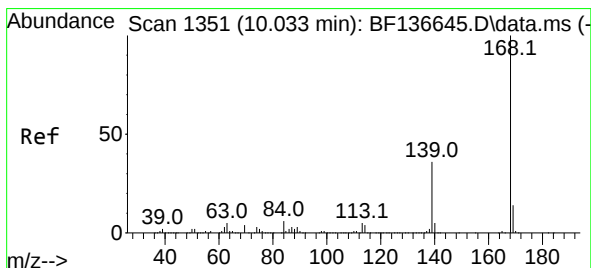
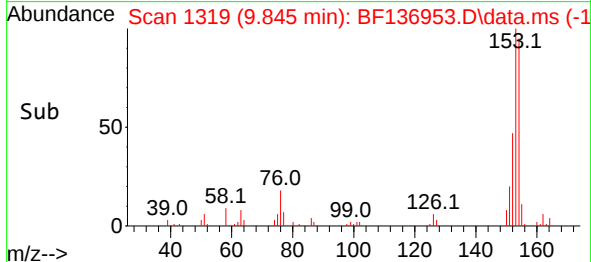
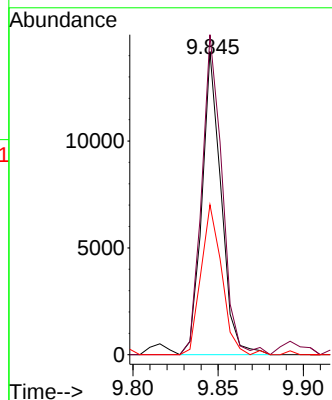
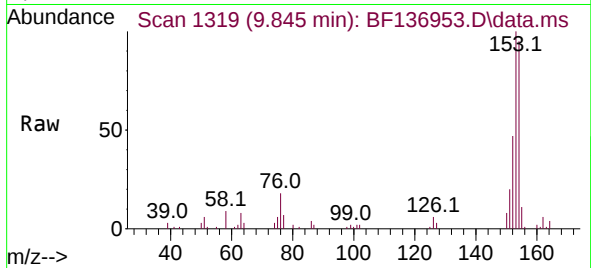




#52
Acenaphthene
Concen: 2.059 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136953.D
Acq: 04 Jan 2024 21:49

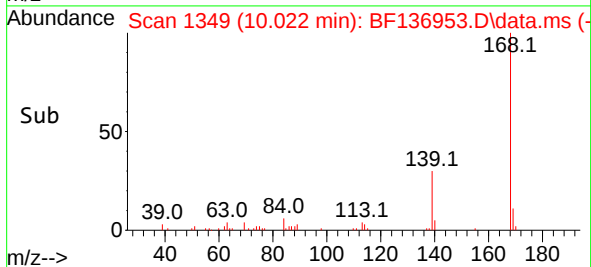
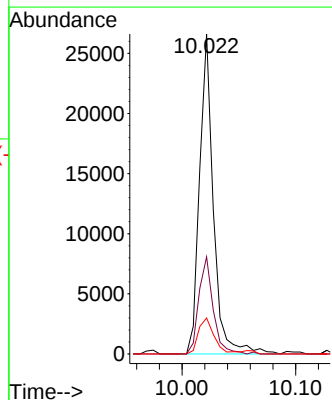
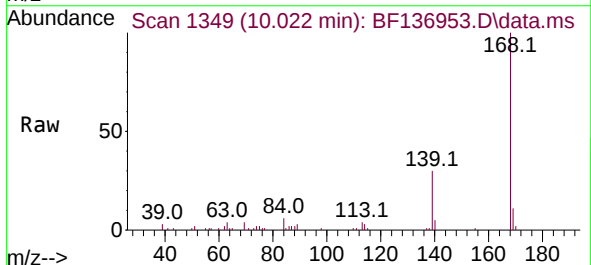
Instrument :
BNA_F
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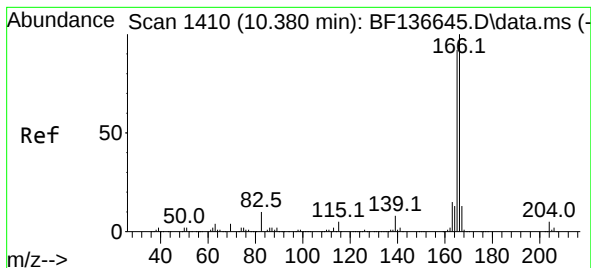
Tgt Ion:154 Resp: 11112
Ion Ratio Lower Upper
154 100
153 105.6 90.7 136.1
152 49.5 43.7 65.5



#55
Dibenzofuran
Concen: 2.751 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF136953.D
Acq: 04 Jan 2024 21:49

Tgt Ion:168 Resp: 22513
Ion Ratio Lower Upper
168 100
139 30.3 29.3 43.9
169 11.3 11.0 16.4





#58

Fluorene

Concen: 5.358 ng

RT: 10.363 min Scan# 1407

Delta R.T. -0.018 min

Lab File: BF136953.D

Acq: 04 Jan 2024 21:49

Instrument :

BNA_F

ClientSampleId :

GHL-SS-31DL

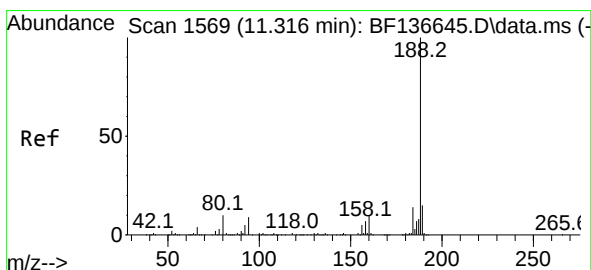
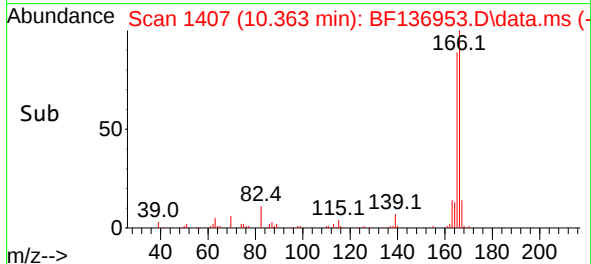
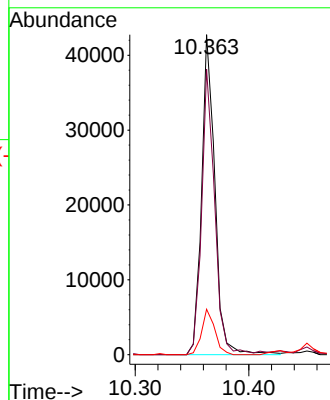
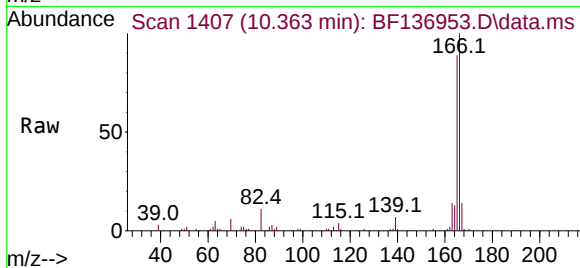
Tgt Ion:166 Resp: 34789

Ion Ratio Lower Upper

166 100

165 89.2 73.7 110.5

167 14.2 10.4 15.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.006 min

Lab File: BF136953.D

Acq: 04 Jan 2024 21:49

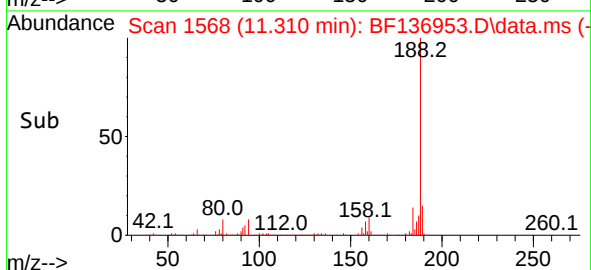
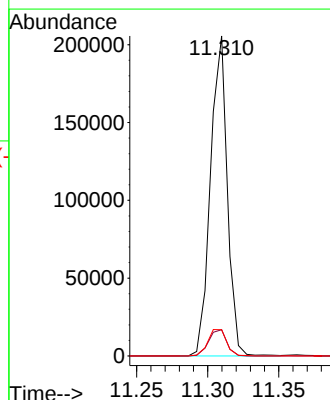
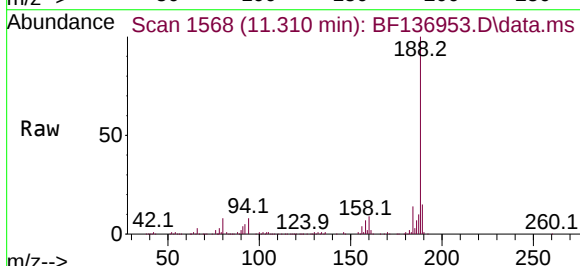
Tgt Ion:188 Resp: 169795

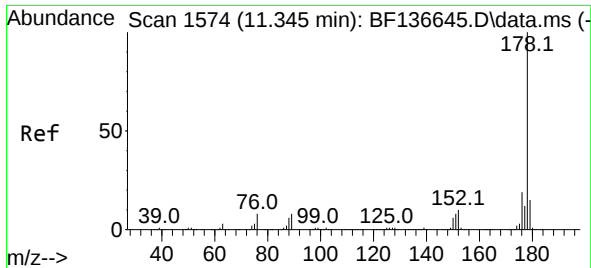
Ion Ratio Lower Upper

188 100

94 8.2 7.5 11.3

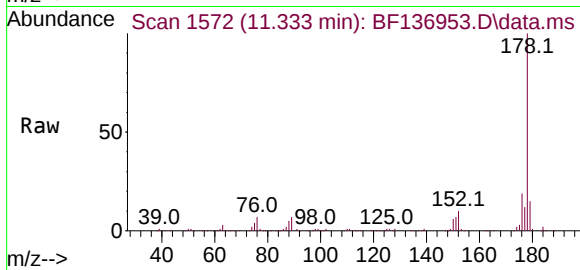
80 8.2 8.1 12.1



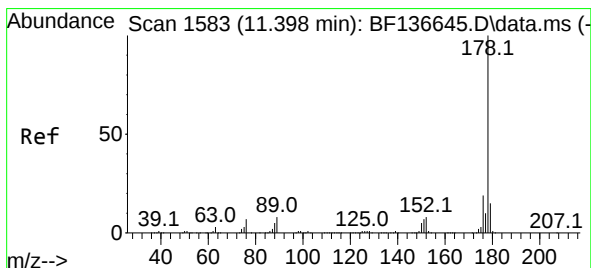
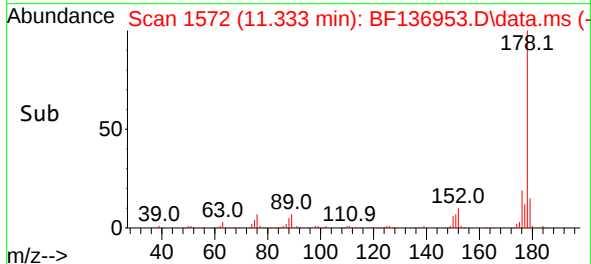
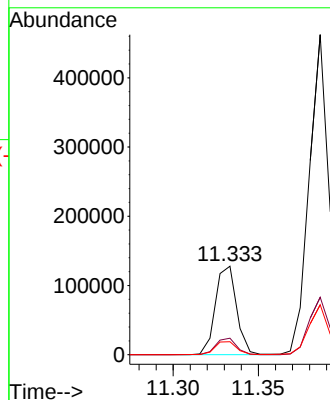


#71
Phenanthrene
Concen: 12.745 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136953.D
Acq: 04 Jan 2024 21:49

Instrument :
BNA_F
ClientSampleId :
GHL-SS-31DL

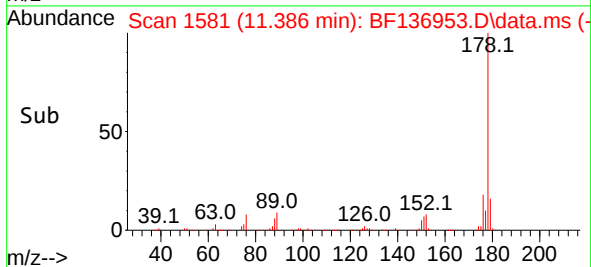
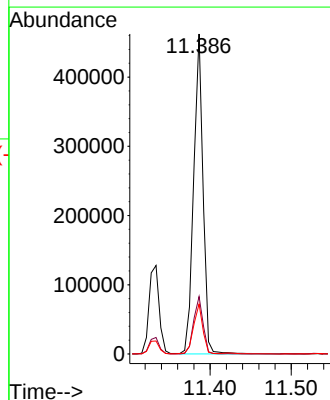
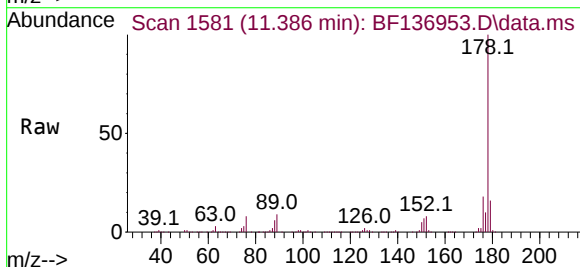


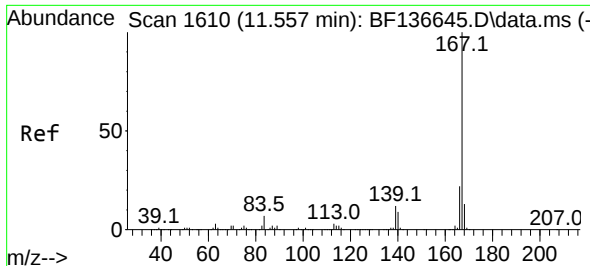
Tgt Ion:178 Resp: 111035
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 14.7 11.9 17.9



#72
Anthracene
Concen: 42.134 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF136953.D
Acq: 04 Jan 2024 21:49

Tgt Ion:178 Resp: 371756
Ion Ratio Lower Upper
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176 18.0 14.9 22.3
179 15.6 11.8 17.6

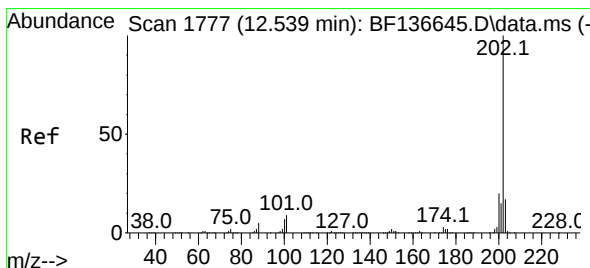
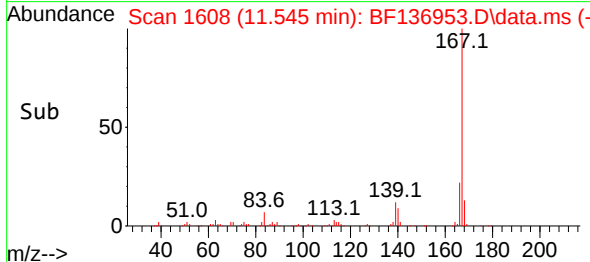
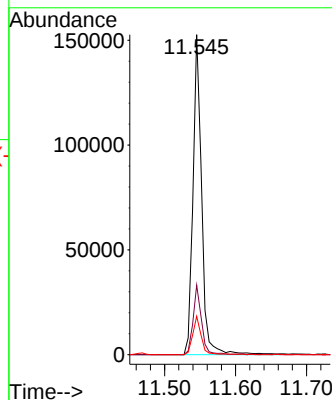
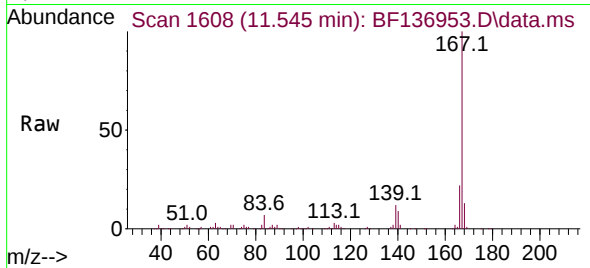




#73
 Carbazole
 Concen: 15.622 ng
 RT: 11.545 min Scan# 1608
 Delta R.T. -0.012 min
 Lab File: BF136953.D
 Acq: 04 Jan 2024 21:49

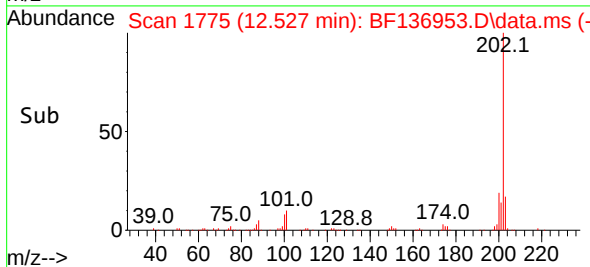
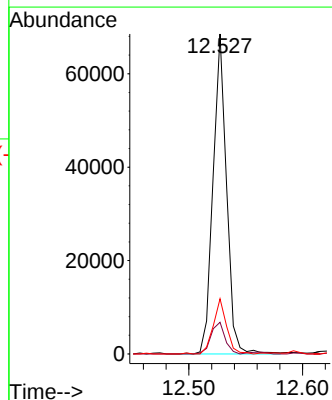
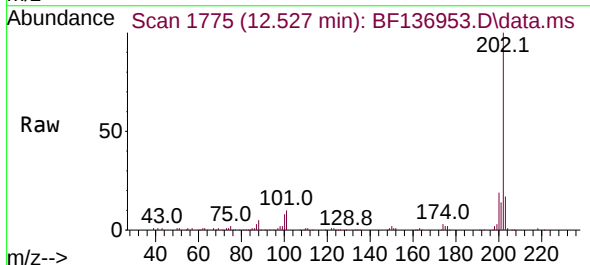
Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-31DL

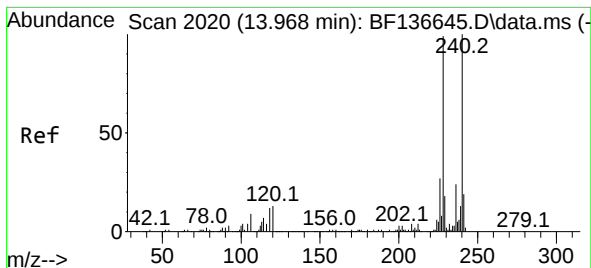
Tgt Ion:167 Resp: 129951
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.3 25.9
 139 12.0 9.8 14.6



#75
 Fluoranthene
 Concen: 6.070 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136953.D
 Acq: 04 Jan 2024 21:49

Tgt Ion:202 Resp: 56570
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 29.3
 203 17.2 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136953.D

Acq: 04 Jan 2024 21:49

Instrument :

BNA_F

ClientSampleId :

GHL-SS-31DL

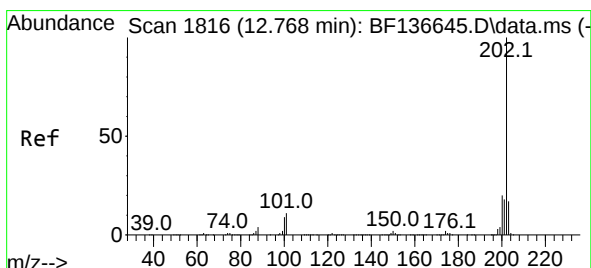
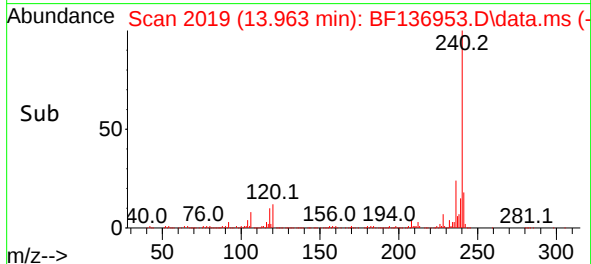
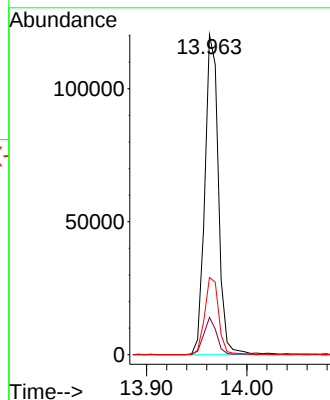
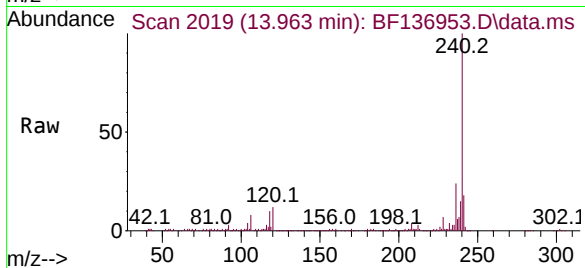
Tgt Ion:240 Resp: 113831

Ion Ratio Lower Upper

240 100

120 11.7 10.3 15.5

236 24.1 19.4 29.2



#78

Pyrene

Concen: 3.752 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136953.D

Acq: 04 Jan 2024 21:49

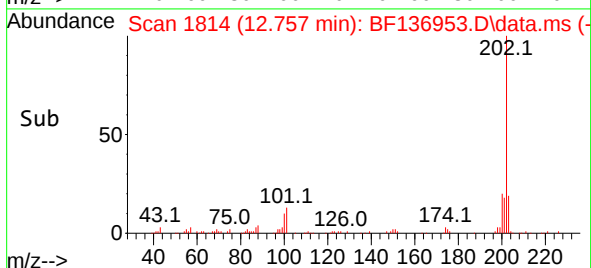
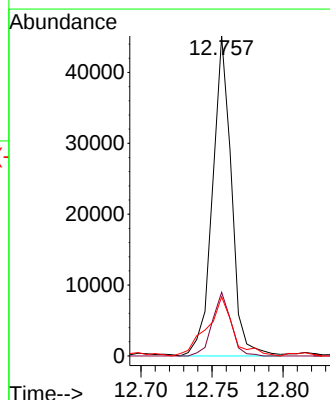
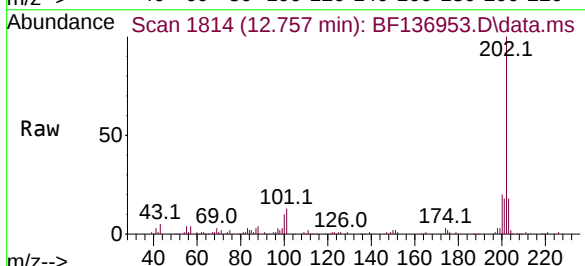
Tgt Ion:202 Resp: 41929

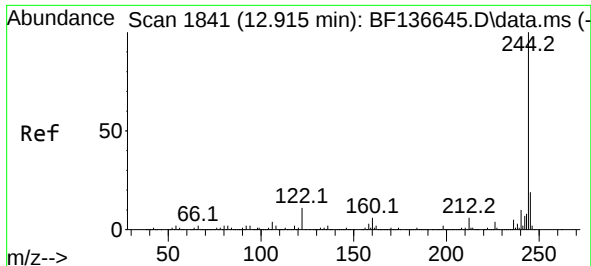
Ion Ratio Lower Upper

202 100

200 19.9 15.9 23.9

203 18.5 13.8 20.6

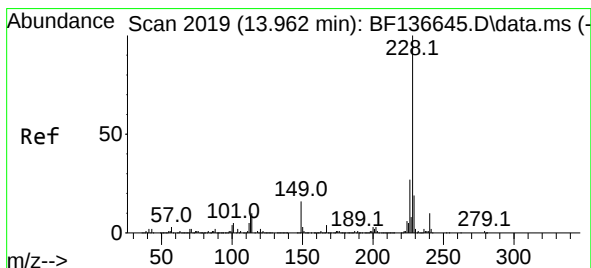
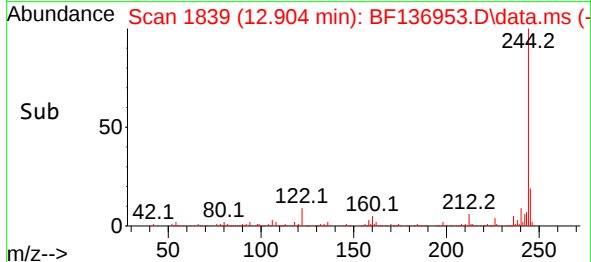
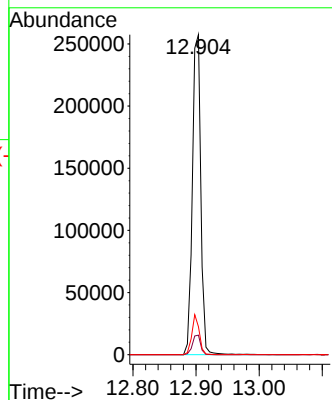
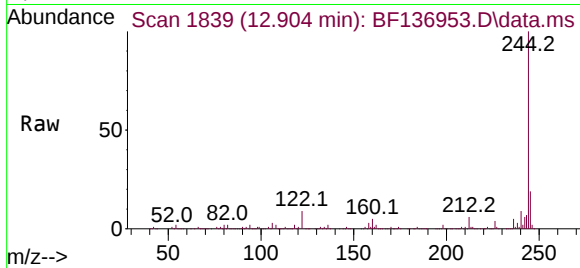




#79
 Terphenyl-d14
 Concen: 29.430 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF136953.D
 Acq: 04 Jan 2024 21:49

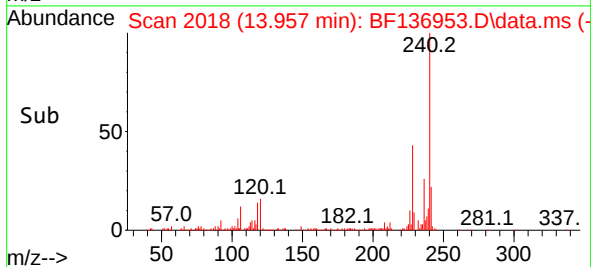
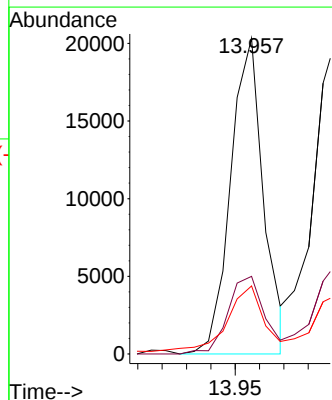
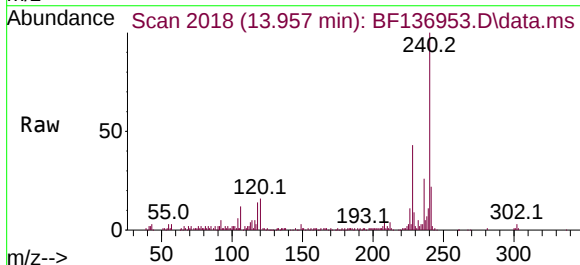
Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-31DL

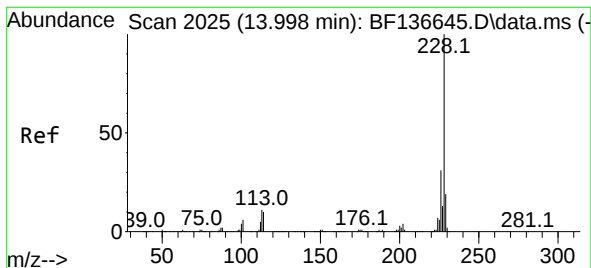
Tgt Ion:244 Resp: 239725
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.0 7.4
 122 8.8 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 2.416 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF136953.D
 Acq: 04 Jan 2024 21:49

Tgt Ion:228 Resp: 19100
 Ion Ratio Lower Upper
 228 100
 226 24.6 21.4 32.0
 229 21.6 14.9 22.3





#83

Chrysene

Concen: 2.899 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136953.D

Acq: 04 Jan 2024 21:49

Instrument :

BNA_F

ClientSampleId :

GHL-SS-31DL

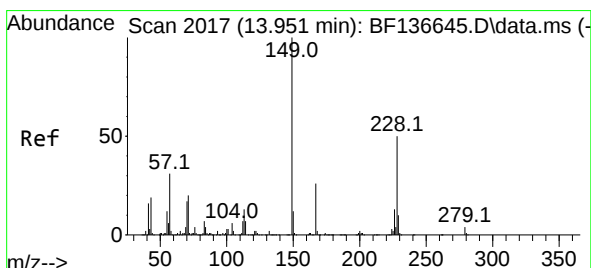
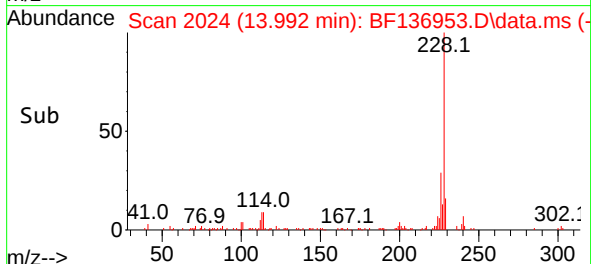
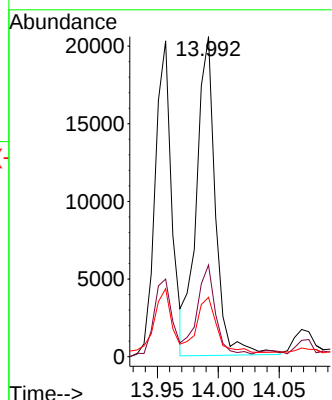
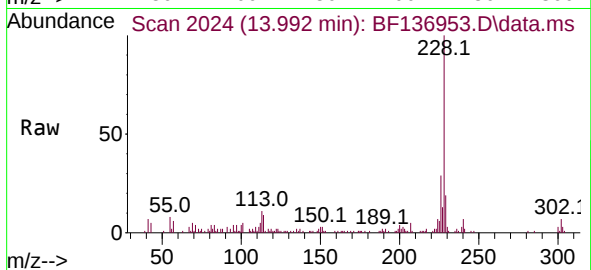
Tgt Ion:228 Resp: 22405

Ion Ratio Lower Upper

228 100

226 28.7 24.7 37.1

229 18.5 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.086 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF136953.D

Acq: 04 Jan 2024 21:49

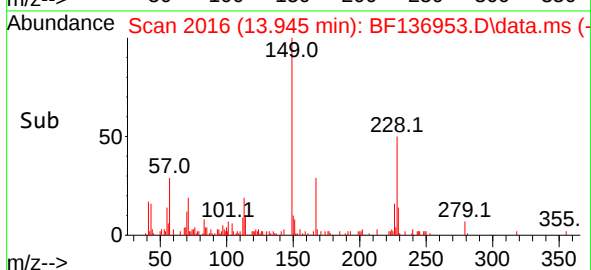
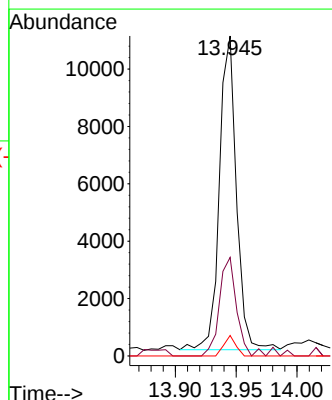
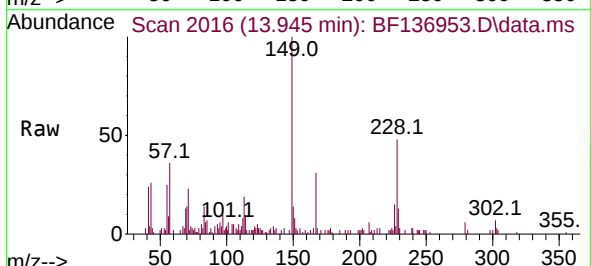
Tgt Ion:149 Resp: 10674

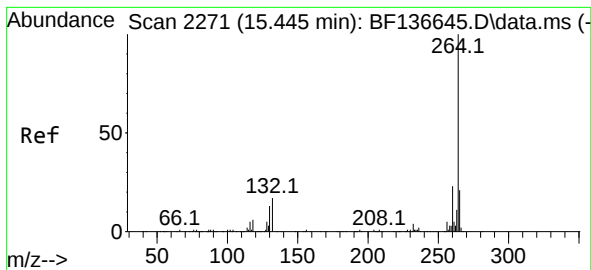
Ion Ratio Lower Upper

149 100

167 30.8 20.9 31.3

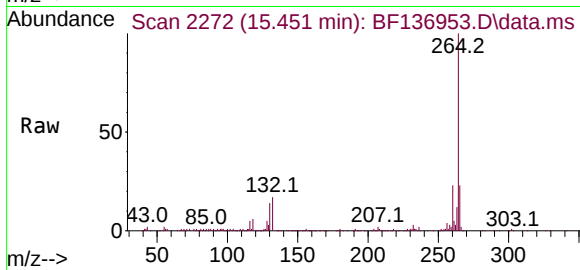
279 6.4 2.9 4.3#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF136953.D
 Acq: 04 Jan 2024 21:49

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-31DL



Tgt Ion:	264	Resp:	125886
Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.3	27.5
265	22.6	17.0	25.6

