

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
 Data File : BF136931.D
 Acq On : 04 Jan 2024 03:40
 Operator : CG\JU
 Sample : 05899-03DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 04:45:30 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)

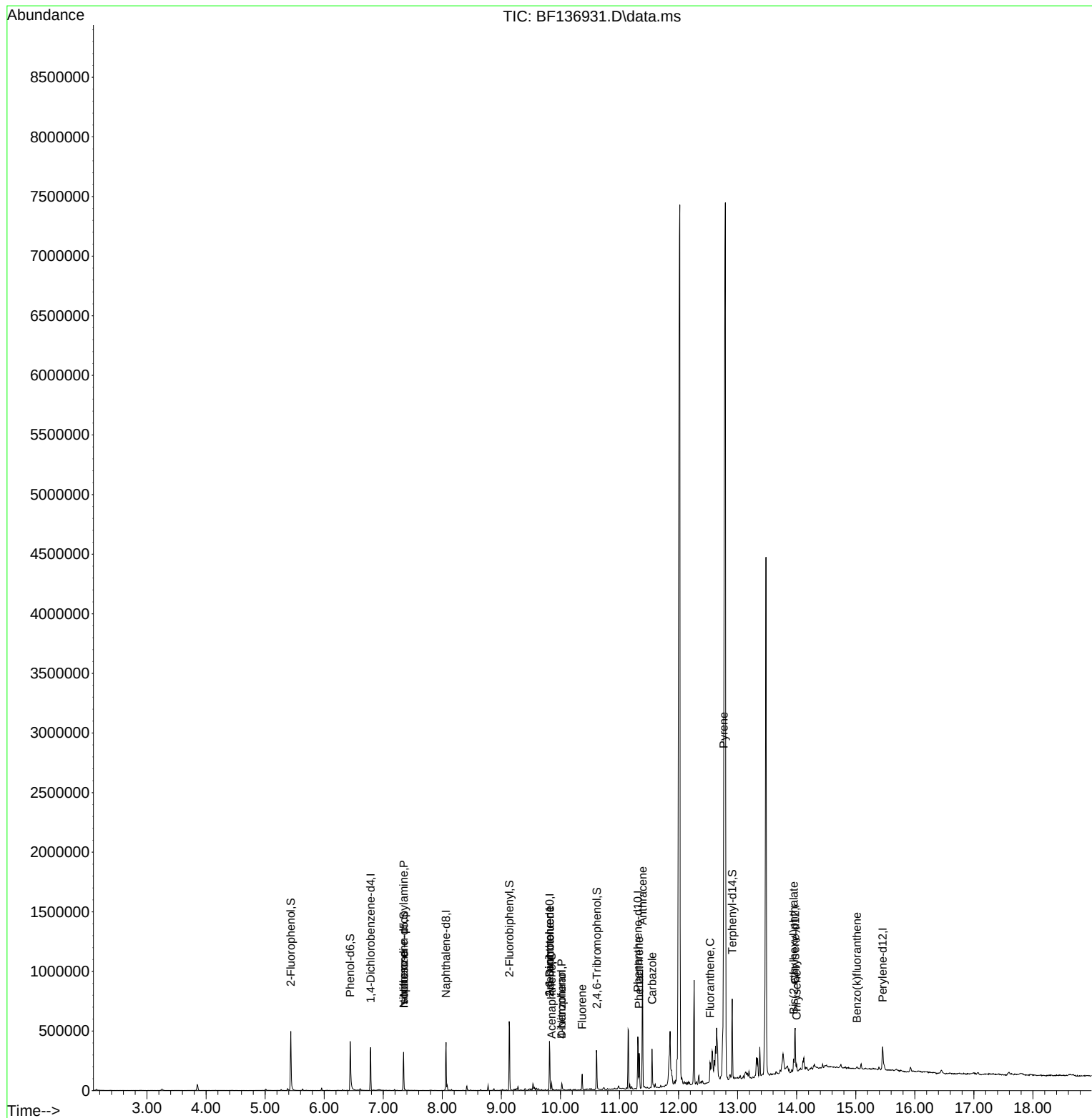
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	54024	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	167178	20.000	ng	# 0.00
39) Acenaphthene-d10	9.816	164	75789	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	157658	20.000	ng	0.00
76) Chrysene-d12	13.974	240	122990	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	93570	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	141962	41.001	ng	0.00
7) Phenol-d6	6.439	99	155778	34.722	ng	0.00
23) Nitrobenzene-d5	7.345	82	90987	27.850	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	41376	46.355	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	182163	32.327	ng	-0.02
79) Terphenyl-d14	12.910	244	235169	26.721	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	12042	4.428	ng	# 71
25) Isophorone	7.345	82	90986	15.305	ng	# 65
51) 2,6-Dinitrotoluene	9.816	165	10248	8.157	ng	# 29
52) Acenaphthene	9.851	154	11580	2.528	ng	97
55) Dibenzofuran	10.022	168	22668	3.264	ng	96
56) 4-Nitrophenol	10.022	139	8363	9.309	ng	# 9
57) 2,4-Dinitrotoluene	9.816	165	10248	6.283	ng	# 20
58) Fluorene	10.369	166	33169	6.020	ng	98
71) Phenanthrene	11.333	178	105624	13.057	ng	98
72) Anthracene	11.392	178	375959	45.890	ng	99
73) Carbazole	11.551	167	128706	16.663	ng	99
75) Fluoranthene	12.533	202	62799	7.257	ng	96
78) Pyrene	12.763	202	38820	3.215	ng	96
83) Chrysene	13.998	228	18514	2.217	ng	93
84) Bis(2-ethylhexyl)phtha...	13.951	149	27672	5.006	ng	97
89) Benzo(k)fluoranthene	15.021	252	12279	2.079	ng	# 76

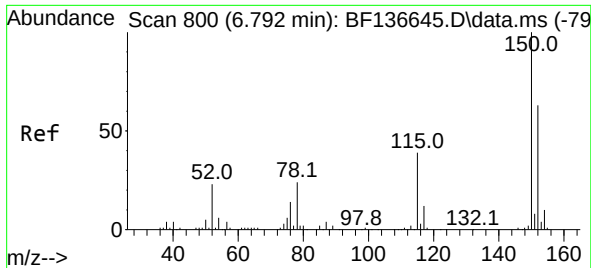
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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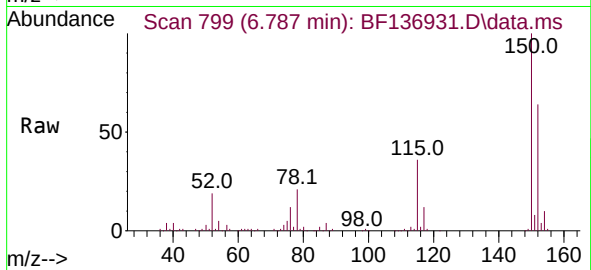
Quant Time: Jan 04 04:45:30 2024
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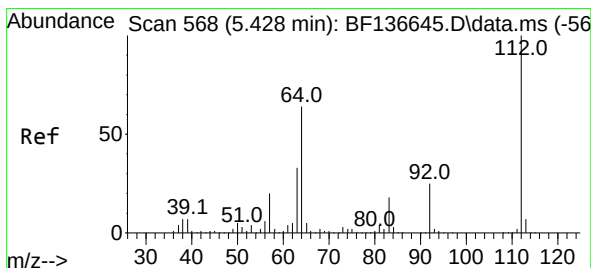
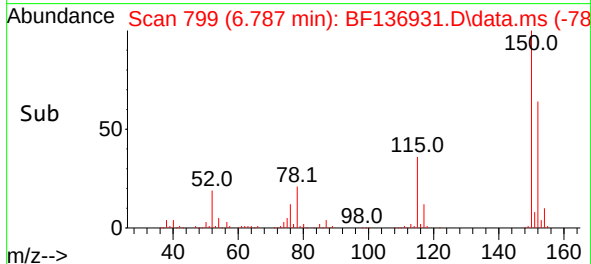
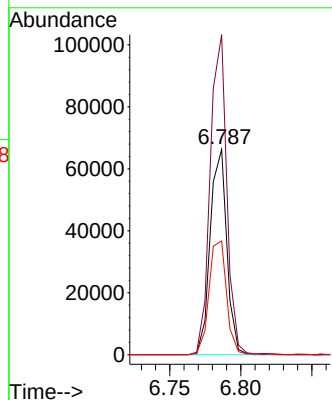


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF136931.D
Acq: 04 Jan 2024 03:40

Instrument :
BNA_F
ClientSampleId :

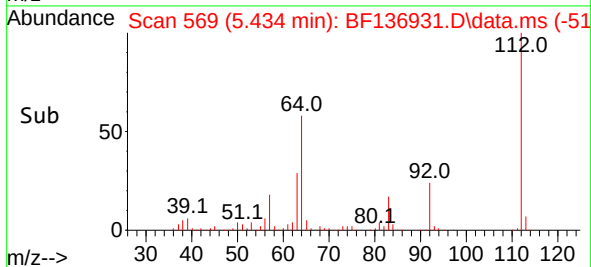
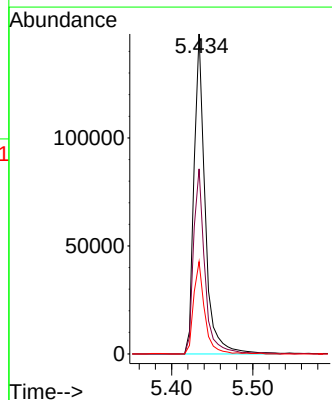
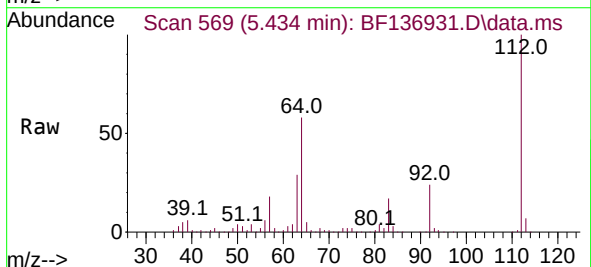


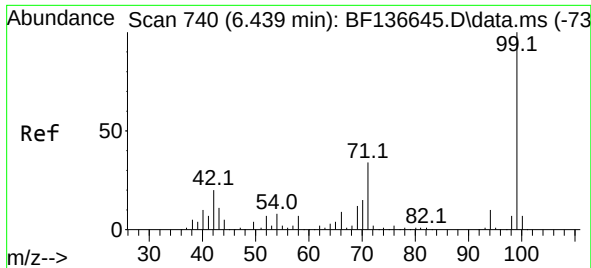
Tgt Ion:152 Resp: 54024
Ion Ratio Lower Upper
152 100
150 155.9 127.0 190.6
115 55.4 49.0 73.4



#5
2-Fluorophenol
Concen: 41.001 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF136931.D
Acq: 04 Jan 2024 03:40

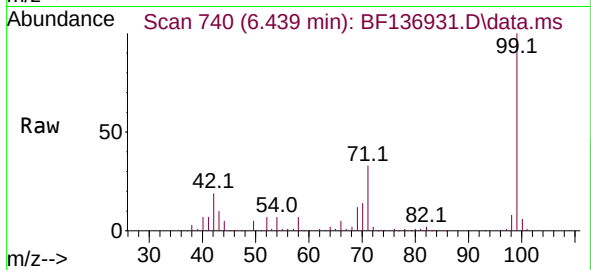
Tgt Ion:112 Resp: 141962
Ion Ratio Lower Upper
112 100
64 57.8 51.1 76.7
63 28.9 26.1 39.1



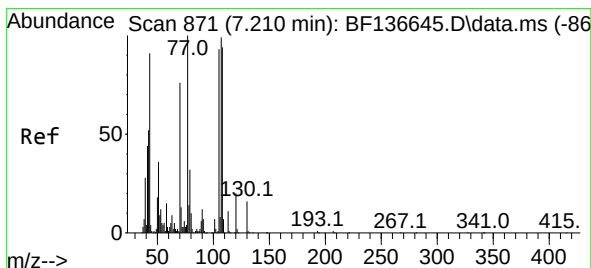
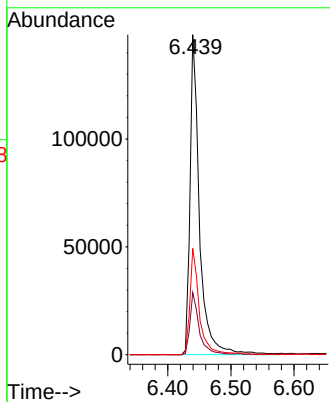
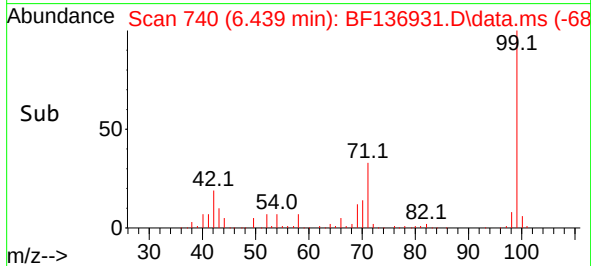


#7
Phenol-d6
Concen: 34.722 ng
RT: 6.439 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF136931.D
Acq: 04 Jan 2024 03:40

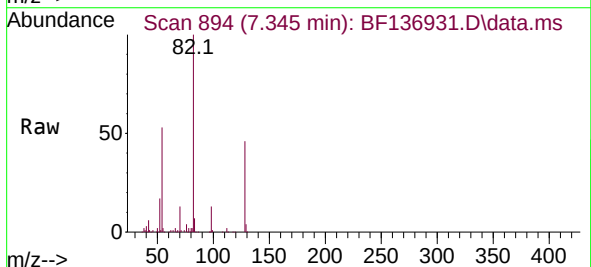
Instrument :
BNA_F
ClientSampleId :



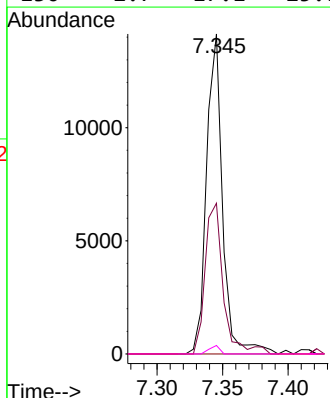
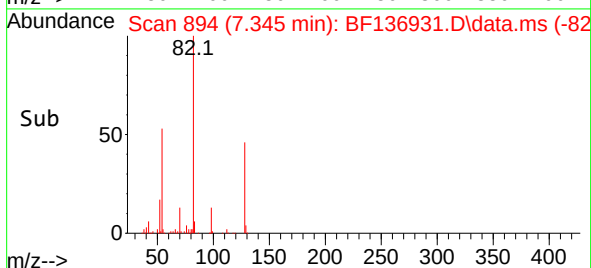
Tgt Ion: 99 Resp: 155778
Ion Ratio Lower Upper
99 100
42 19.4 16.1 24.1
71 33.2 27.4 41.2

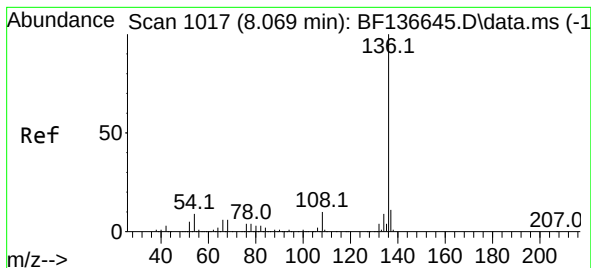


#19
n-Nitroso-di-n-propylamine
Concen: 4.428 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136931.D
Acq: 04 Jan 2024 03:40



Tgt Ion: 70 Resp: 12042
Ion Ratio Lower Upper
70 100
42 47.1 54.2 81.4#
101 0.0 7.6 11.4#
130 2.7 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1

Delta R.T. -0.006 min

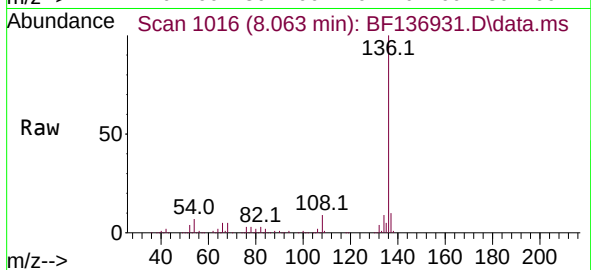
Lab File: BF136931.D

Acq: 04 Jan 2024 03:40

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 167178

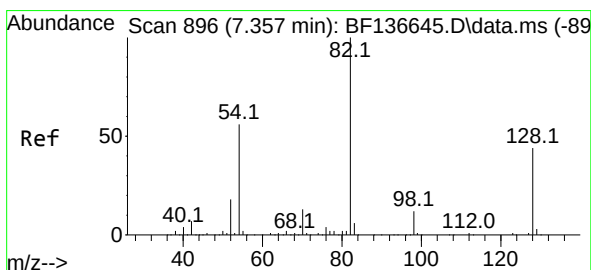
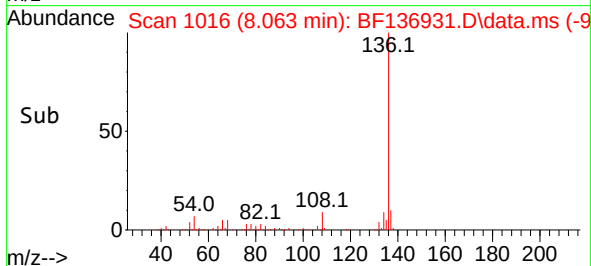
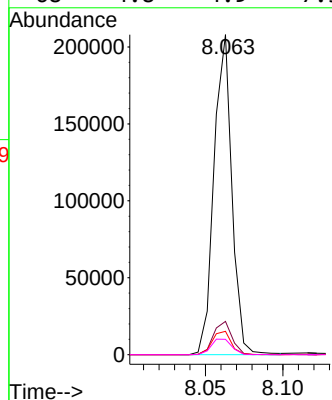
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 7.3 7.2 10.8

68 4.8 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 27.850 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136931.D

Acq: 04 Jan 2024 03:40

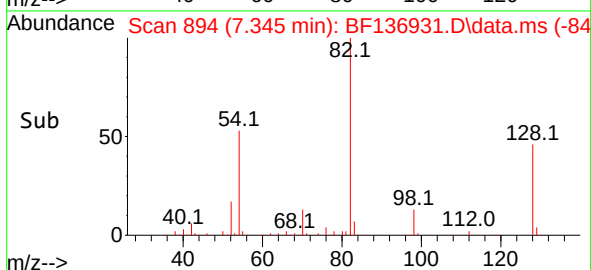
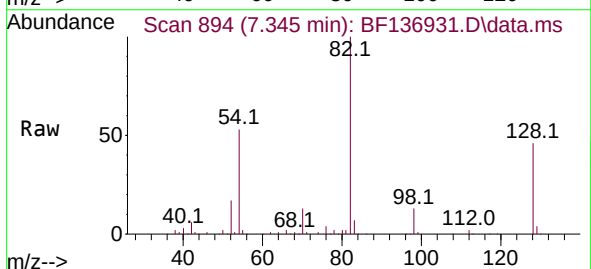
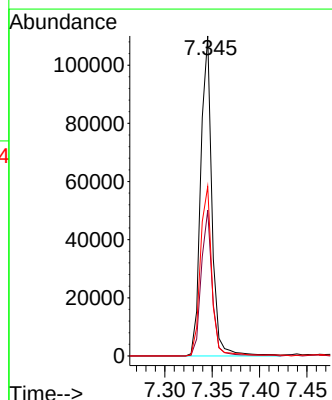
Tgt Ion: 82 Resp: 90987

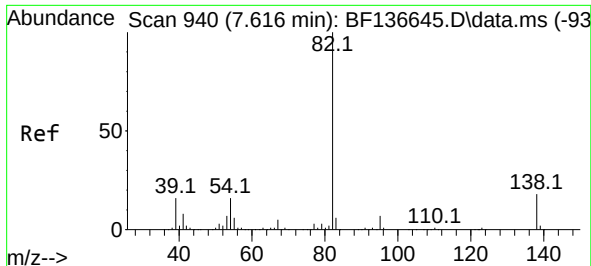
Ion Ratio Lower Upper

82 100

128 45.5 35.3 52.9

54 53.0 44.5 66.7

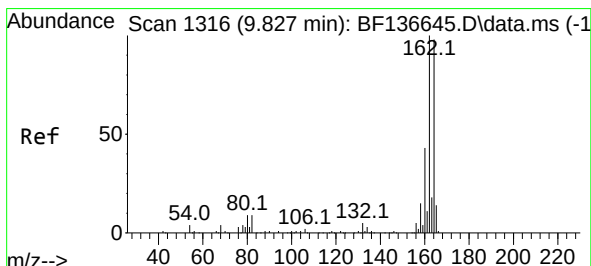
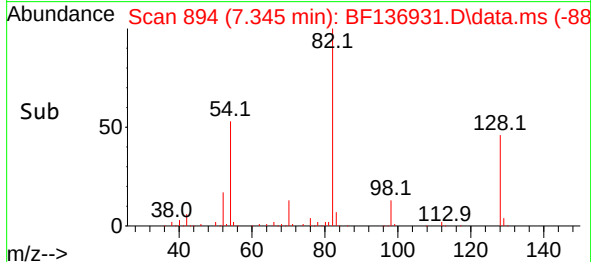
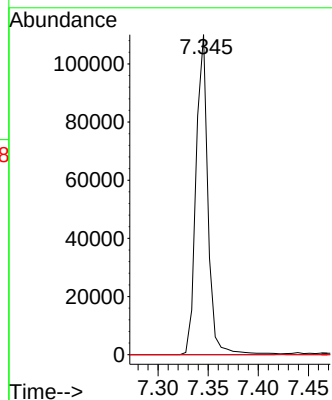
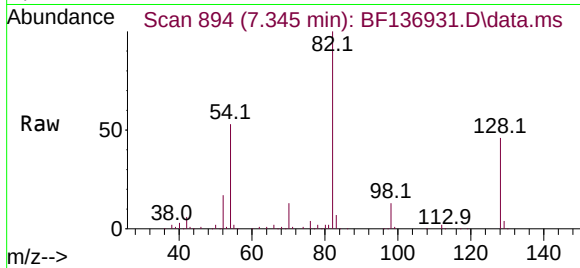




#25
Isophorone
Concen: 15.305 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF136931.D
Acq: 04 Jan 2024 03:40

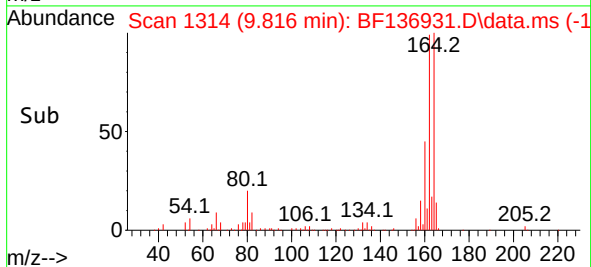
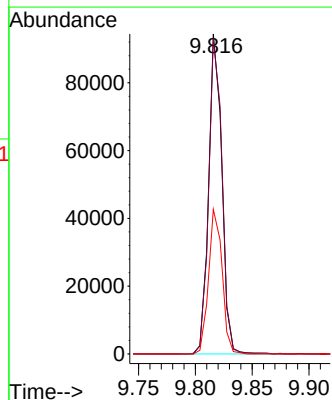
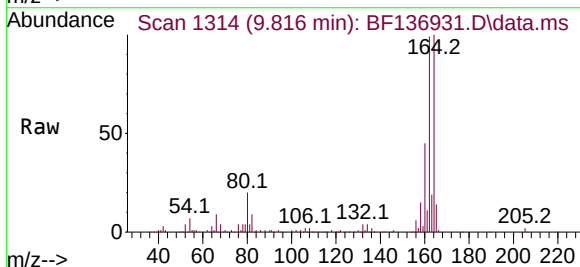
Instrument :
BNA_F
ClientSampleId :

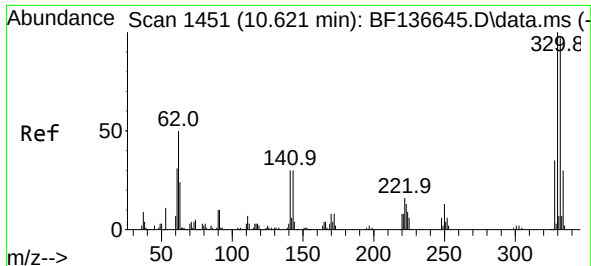
Tgt Ion: 82 Resp: 90986
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136931.D
Acq: 04 Jan 2024 03:40

Tgt Ion:164 Resp: 75789
Ion Ratio Lower Upper
164 100
162 98.6 81.6 122.4
160 45.2 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 46.355 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.006 min

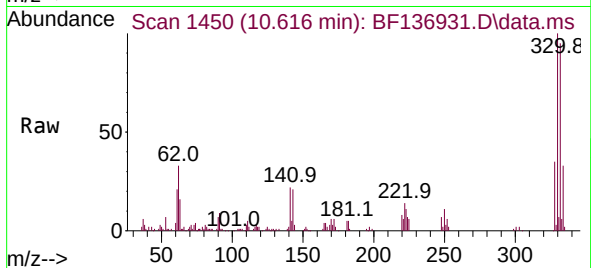
Lab File: BF136931.D

Acq: 04 Jan 2024 03:40

Instrument :

BNA_F

ClientSampleId :



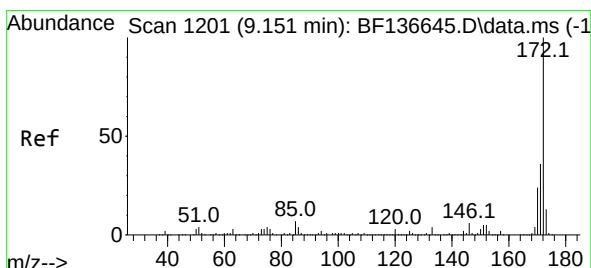
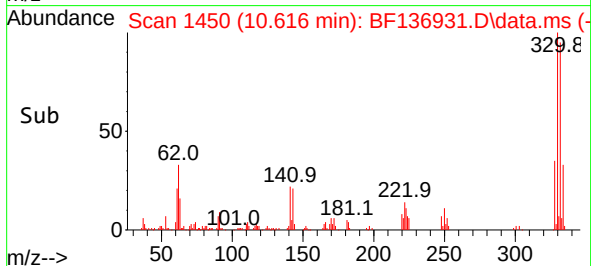
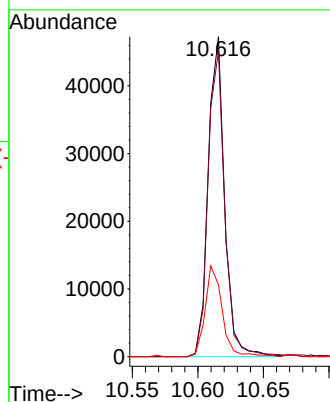
Tgt Ion: 330 Resp: 41376

Ion Ratio Lower Upper

330 100

332 97.3 77.4 116.0

141 29.5 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 32.327 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136931.D

Acq: 04 Jan 2024 03:40

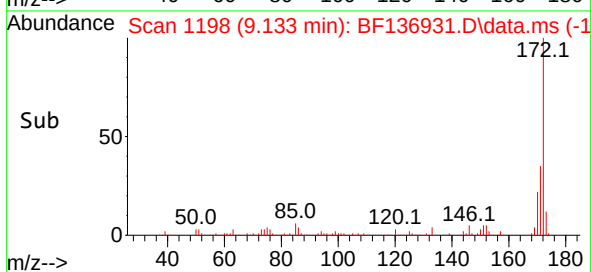
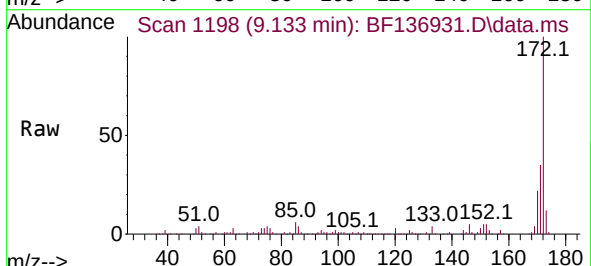
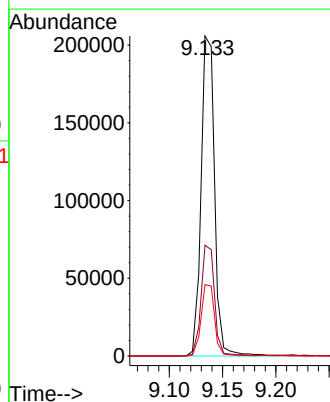
Tgt Ion: 172 Resp: 182163

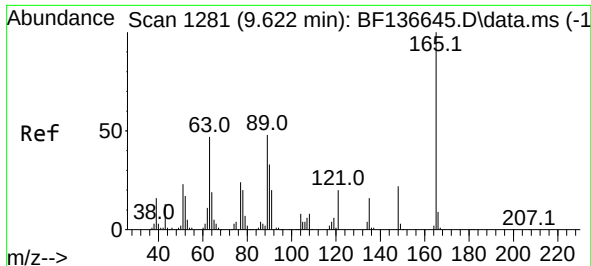
Ion Ratio Lower Upper

172 100

171 34.6 29.0 43.6

170 22.3 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 8.157 ng

RT: 9.816 min Scan# 11

Delta R.T. 0.194 min

Lab File: BF136931.D

Acq: 04 Jan 2024 03:40

Instrument :

BNA_F

ClientSampleId :

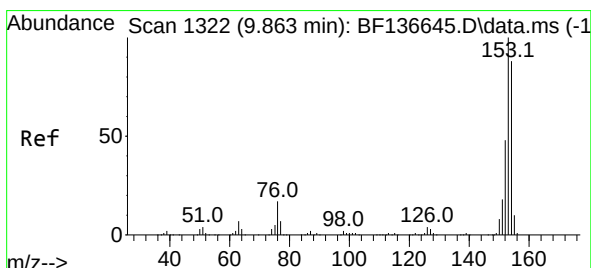
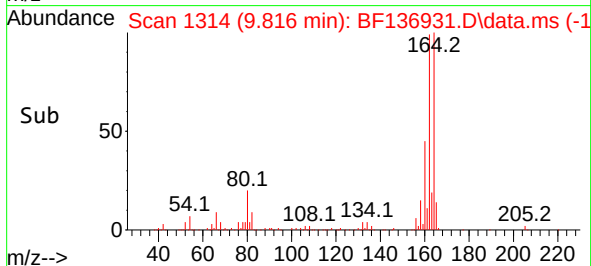
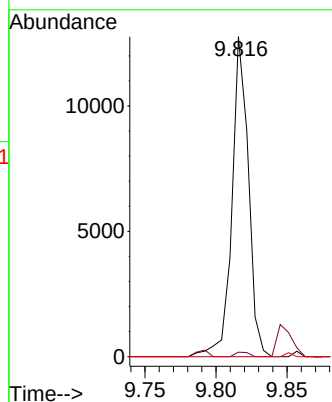
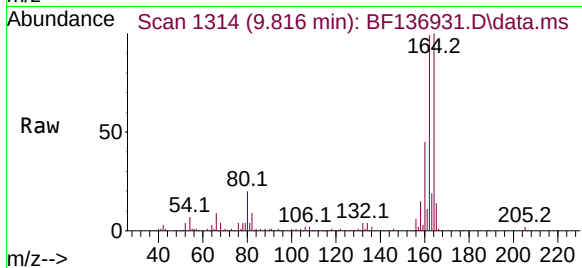
Tgt Ion:165 Resp: 10248

Ion Ratio Lower Upper

165 100

63 1.4 39.8 59.6#

89 0.0 38.8 58.2#



#52

Acenaphthene

Concen: 2.528 ng

RT: 9.851 min Scan# 1320

Delta R.T. -0.012 min

Lab File: BF136931.D

Acq: 04 Jan 2024 03:40

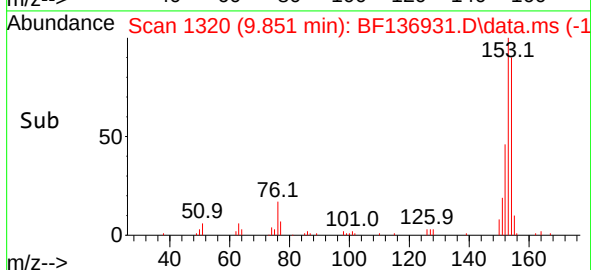
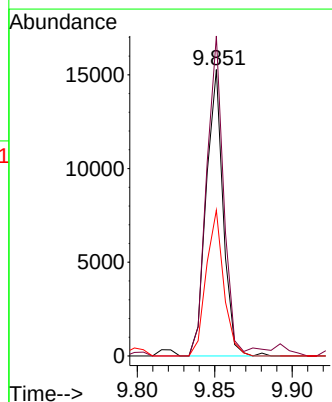
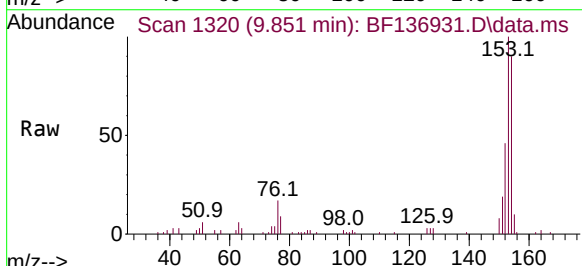
Tgt Ion:154 Resp: 11580

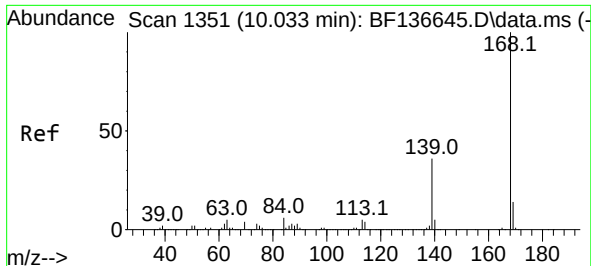
Ion Ratio Lower Upper

154 100

153 111.7 90.7 136.1

152 50.9 43.7 65.5

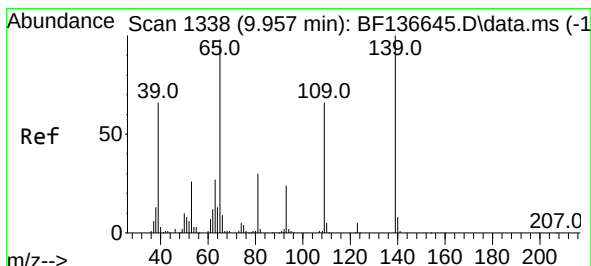
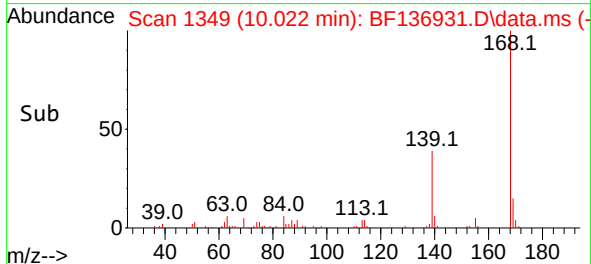
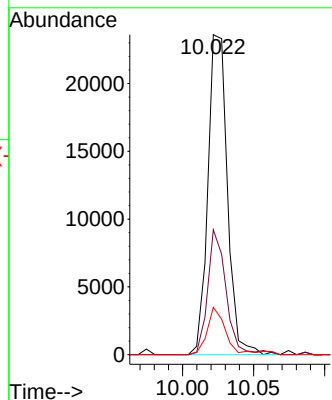
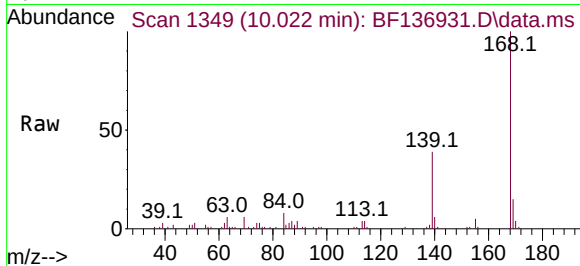




#55
Dibenzenofuran
Concen: 3.264 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF136931.D
Acq: 04 Jan 2024 03:40

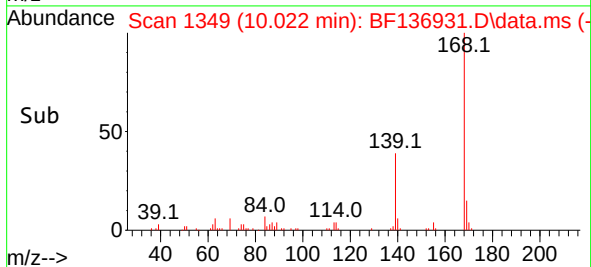
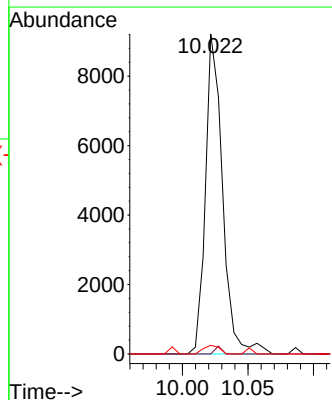
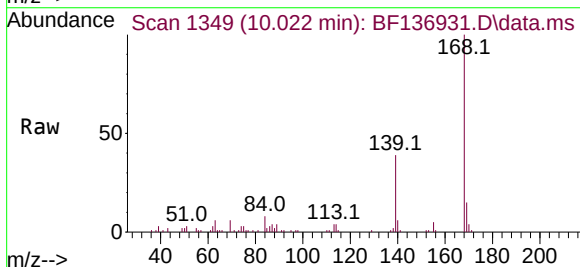
Instrument :
BNA_F
ClientSampleId :

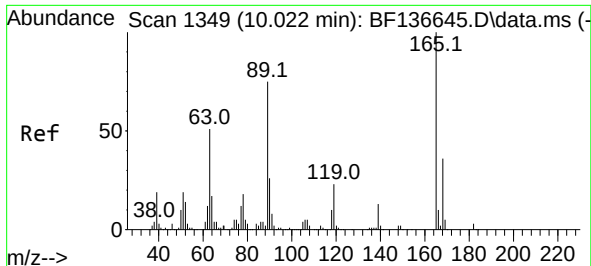
Tgt Ion:168 Resp: 22668
Ion Ratio Lower Upper
168 100
139 39.0 29.3 43.9
169 14.8 11.0 16.4



#56
4-Nitrophenol
Concen: 9.309 ng
RT: 10.022 min Scan# 1349
Delta R.T. 0.065 min
Lab File: BF136931.D
Acq: 04 Jan 2024 03:40

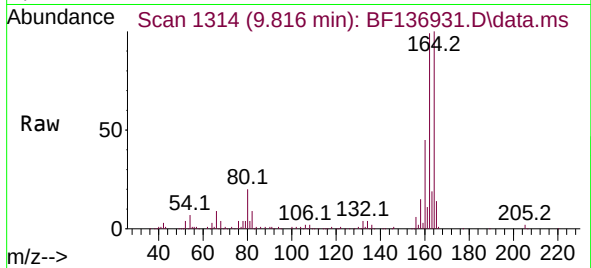
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Ion Ratio Lower Upper
139 100
109 0.0 45.8 85.8#
65 2.7 77.8 117.8#



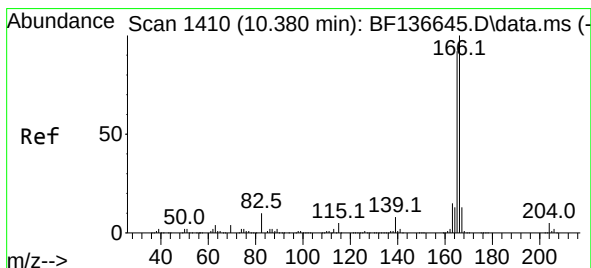
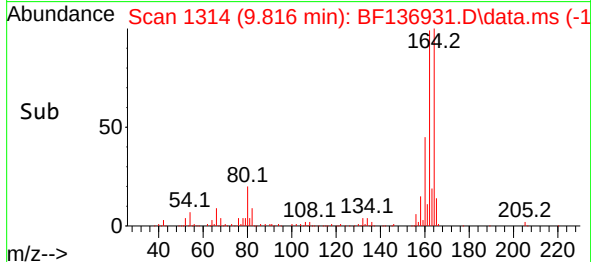
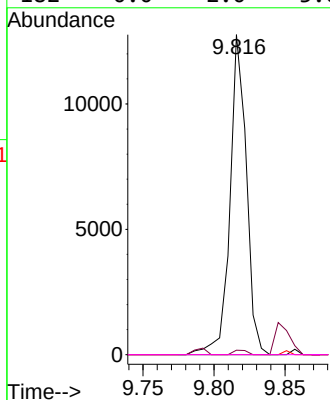


#57
2,4-Dinitrotoluene
Concen: 6.283 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136931.D
Acq: 04 Jan 2024 03:40

Instrument :
BNA_F
ClientSampleId :

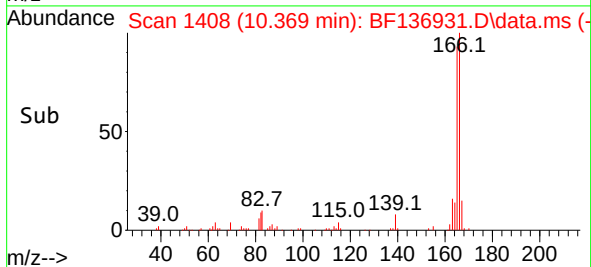
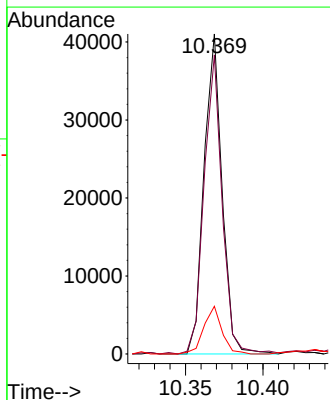
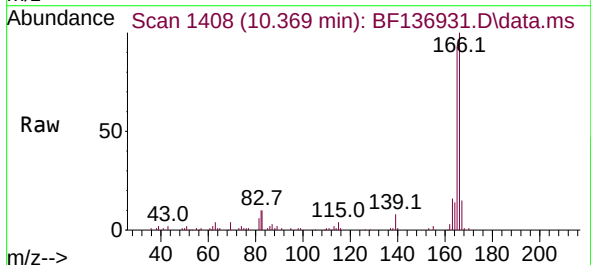


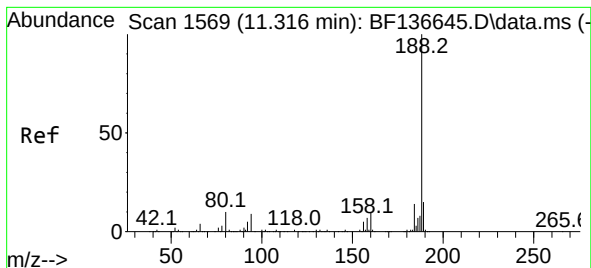
Tgt Ion:165 Resp: 10248
Ion Ratio Lower Upper
165 100
63 1.4 41.0 61.6#
89 0.0 59.9 89.9#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 6.020 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF136931.D
Acq: 04 Jan 2024 03:40

Tgt Ion:166 Resp: 33169
Ion Ratio Lower Upper
166 100
165 93.5 73.7 110.5
167 14.9 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: BF136931.D

Acq: 04 Jan 2024 03:40

Instrument :

BNA_F

ClientSampleId :

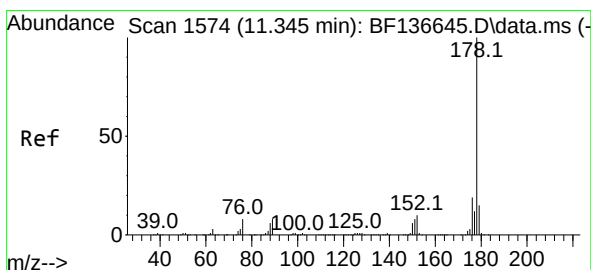
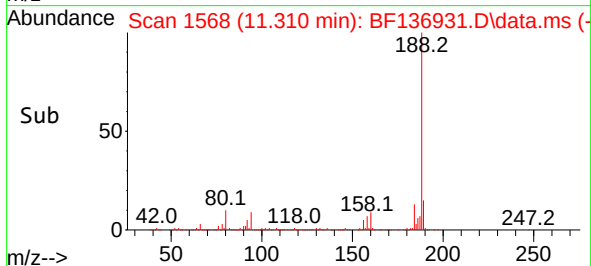
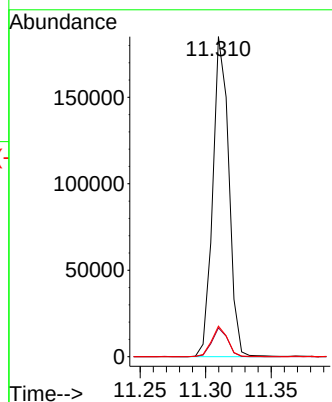
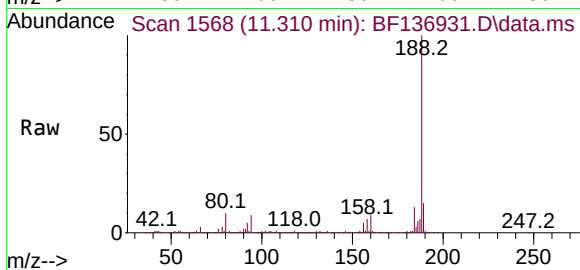
Tgt Ion:188 Resp: 157658

Ion Ratio Lower Upper

188 100

94 9.0 7.5 11.3

80 9.6 8.1 12.1



#71

Phenanthrene

Concen: 13.057 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF136931.D

Acq: 04 Jan 2024 03:40

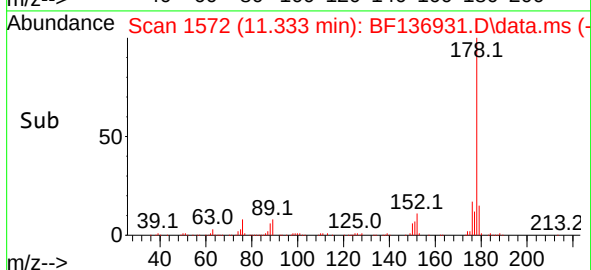
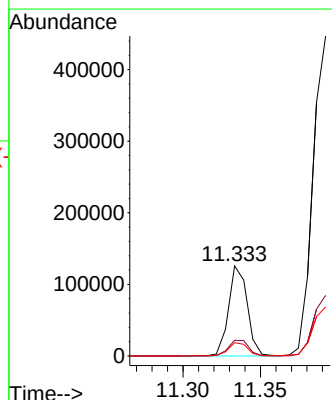
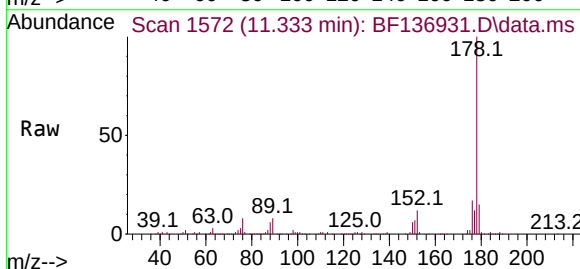
Tgt Ion:178 Resp: 105624

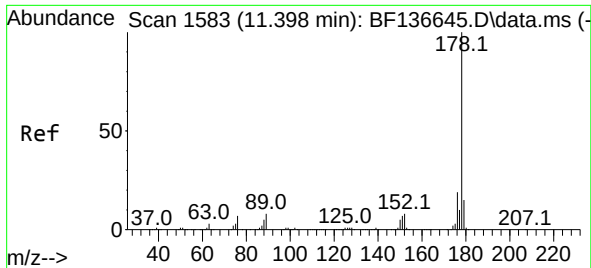
Ion Ratio Lower Upper

178 100

176 17.4 15.3 22.9

179 14.8 11.9 17.9

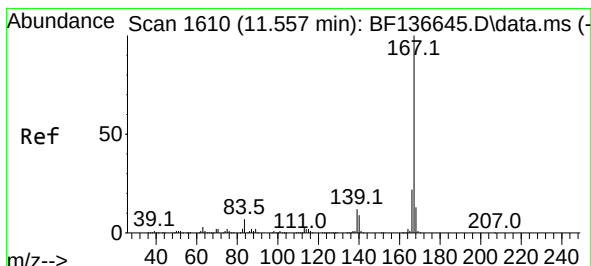
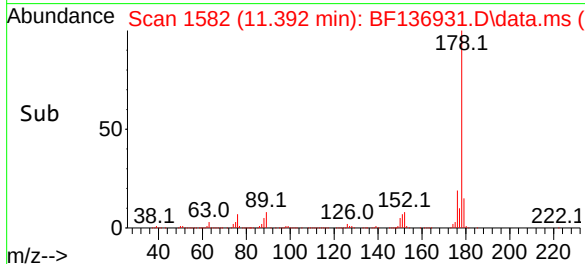
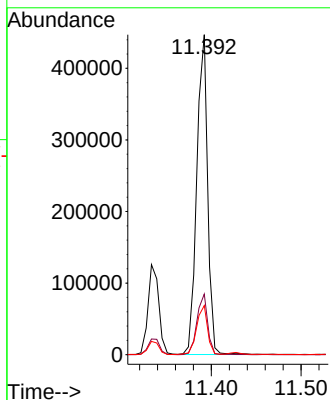
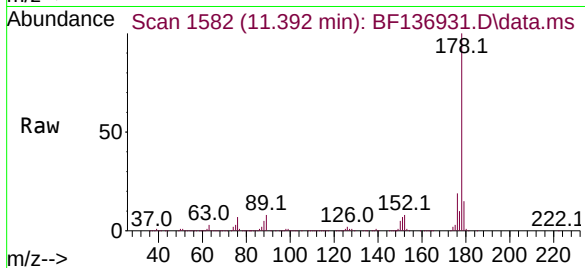




#72
 Anthracene
 Concen: 45.890 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF136931.D
 Acq: 04 Jan 2024 03:40

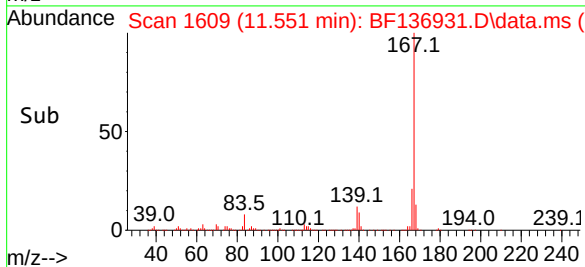
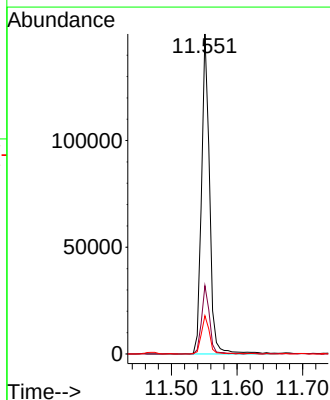
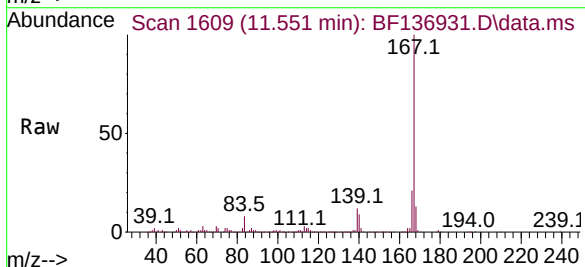
Instrument :
 BNA_F
 ClientSampleId :

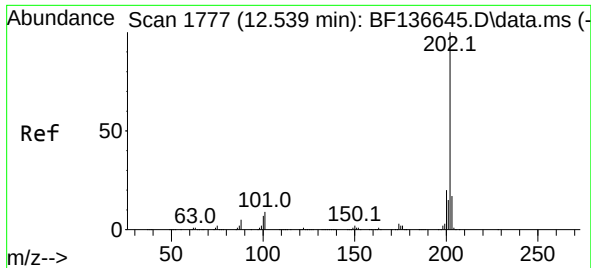
Tgt Ion:178 Resp: 375959
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.9 22.3
 179 15.3 11.8 17.6



#73
 Carbazole
 Concen: 16.663 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF136931.D
 Acq: 04 Jan 2024 03:40

Tgt Ion:167 Resp: 128706
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.3 25.9
 139 12.0 9.8 14.6

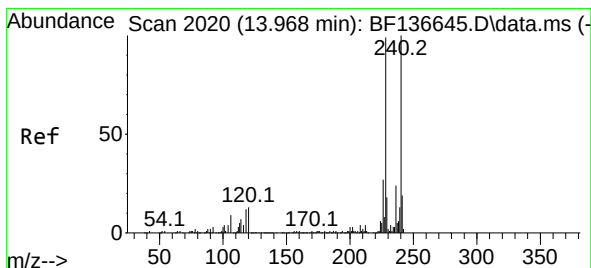
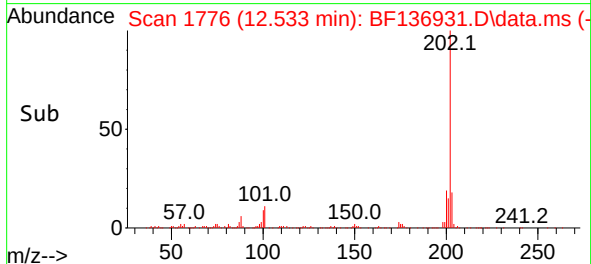
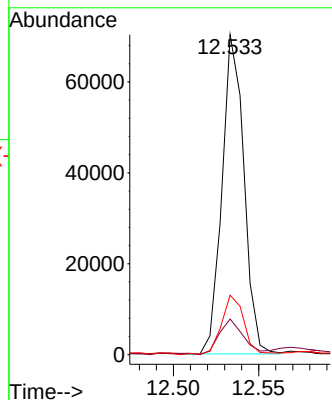
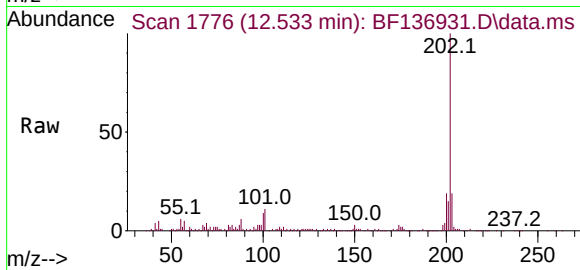




#75
Fluoranthene
Concen: 7.257 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF136931.D
Acq: 04 Jan 2024 03:40

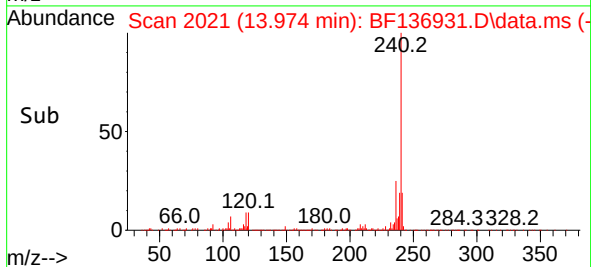
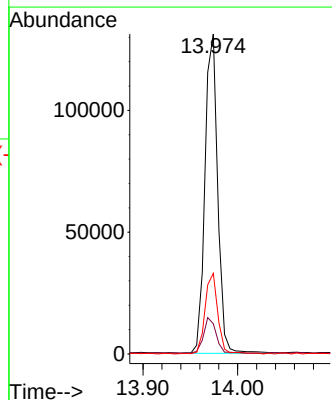
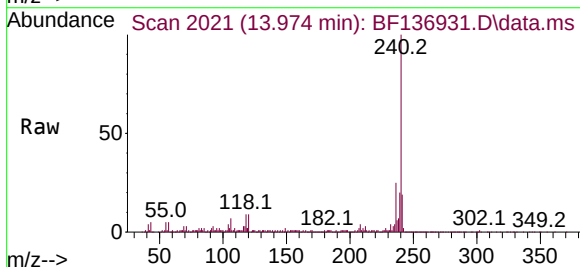
Instrument :
BNA_F
ClientSampleId :

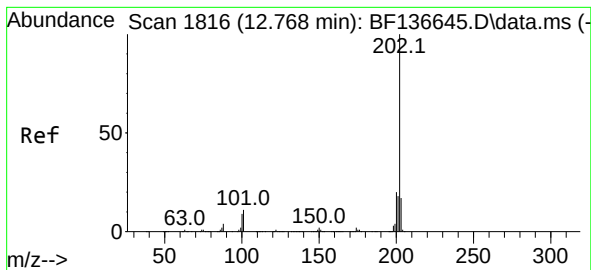
Tgt Ion:202 Resp: 62799
Ion Ratio Lower Upper
202 100
101 11.2 0.0 29.3
203 18.6 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF136931.D
Acq: 04 Jan 2024 03:40

Tgt Ion:240 Resp: 122990
Ion Ratio Lower Upper
240 100
120 9.5 10.3 15.5#
236 25.2 19.4 29.2





#78

Pyrene

Concen: 3.215 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF136931.D

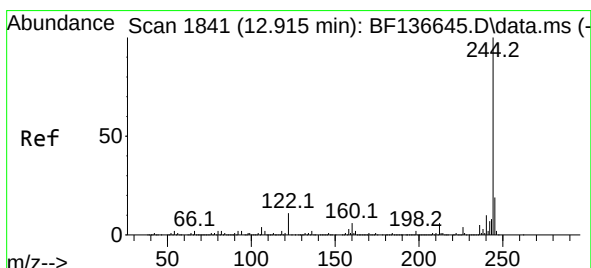
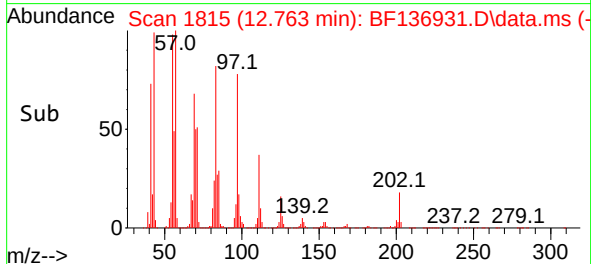
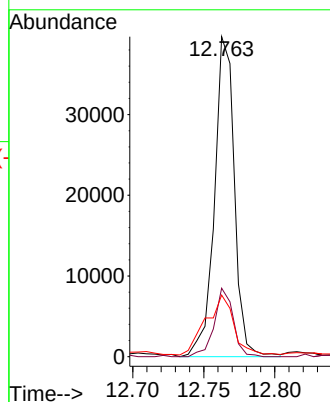
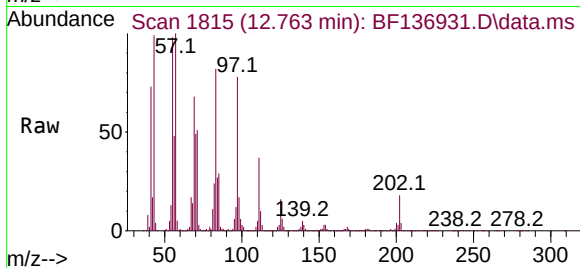
Acq: 04 Jan 2024 03:40

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:202	Resp:	38820
Ion Ratio	Lower	Upper
202	100	
200	21.4	15.9 23.9
203	19.2	13.8 20.6



#79

Terphenyl-d14

Concen: 26.721 ng

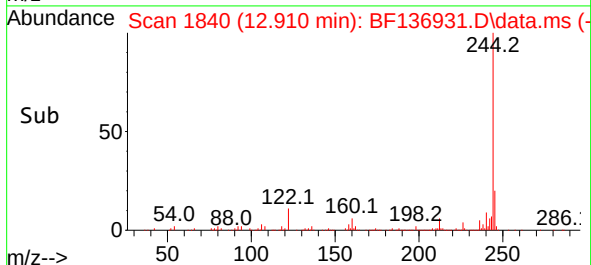
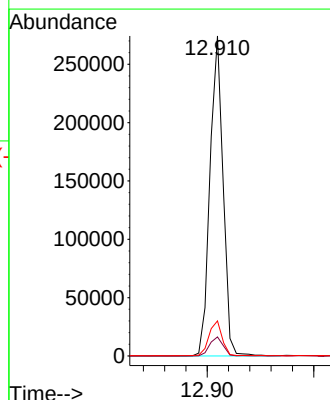
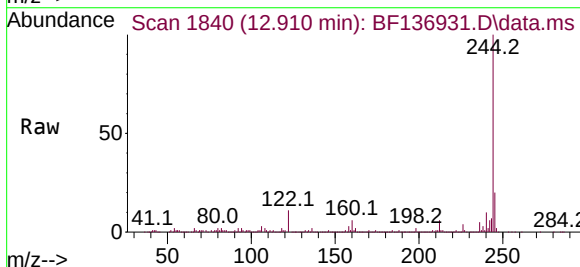
RT: 12.910 min Scan# 1840

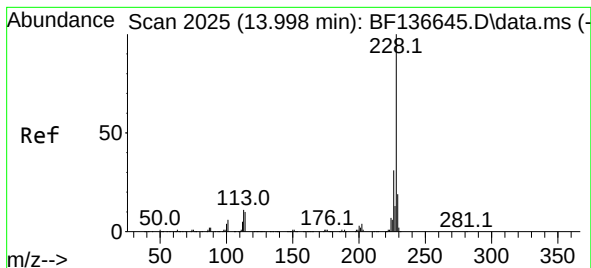
Delta R.T. -0.006 min

Lab File: BF136931.D

Acq: 04 Jan 2024 03:40

Tgt Ion:244	Resp:	235169
Ion Ratio	Lower	Upper
244	100	
212	6.0	5.0 7.4
122	11.0	9.0 13.4





#83

Chrysene

Concen: 2.217 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF136931.D

Acq: 04 Jan 2024 03:40

Instrument :

BNA_F

ClientSampleId :

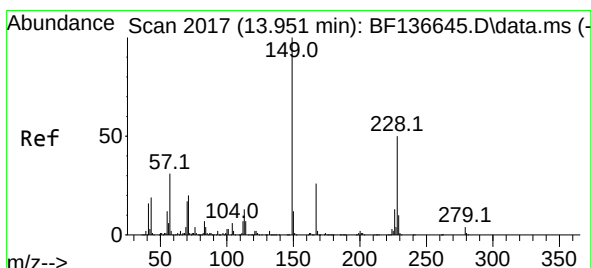
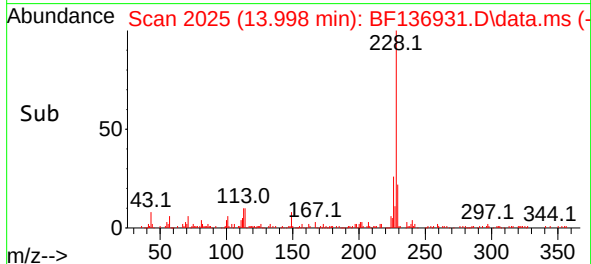
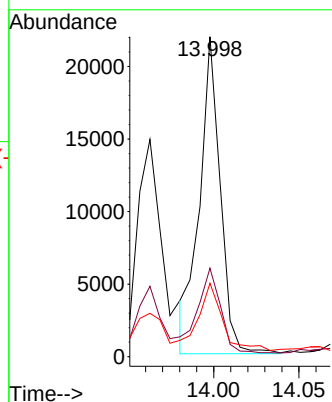
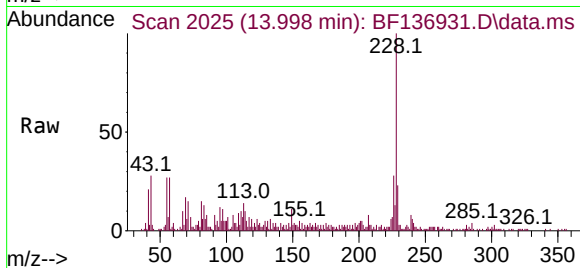
Tgt Ion:228 Resp: 18514

Ion Ratio Lower Upper

228 100

226 27.7 24.7 37.1

229 22.9 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.006 ng

RT: 13.951 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF136931.D

Acq: 04 Jan 2024 03:40

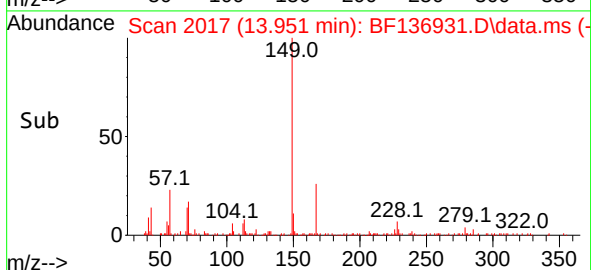
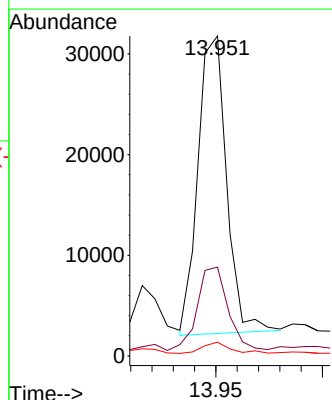
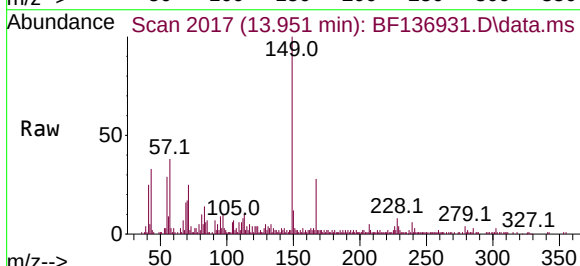
Tgt Ion:149 Resp: 27672

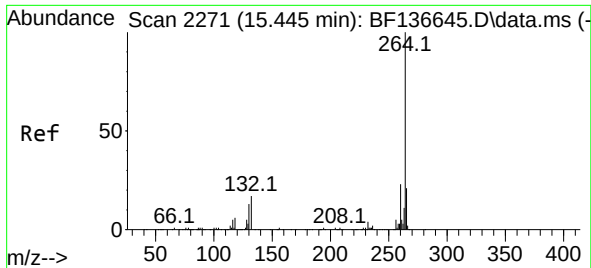
Ion Ratio Lower Upper

149 100

167 27.7 20.9 31.3

279 4.3 2.9 4.3

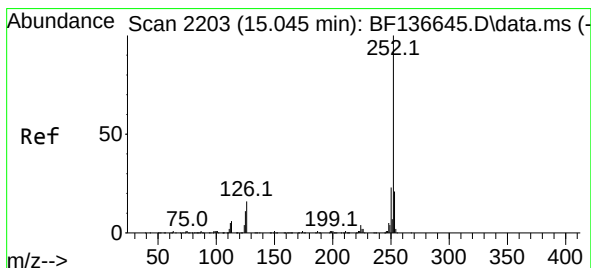
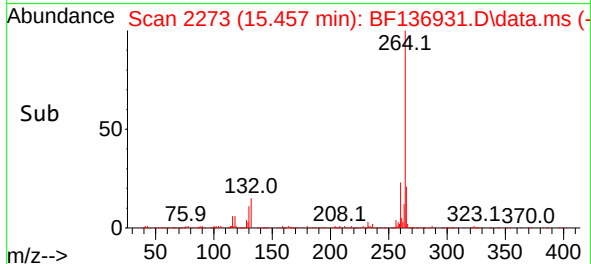
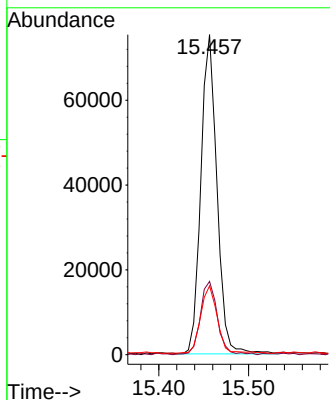
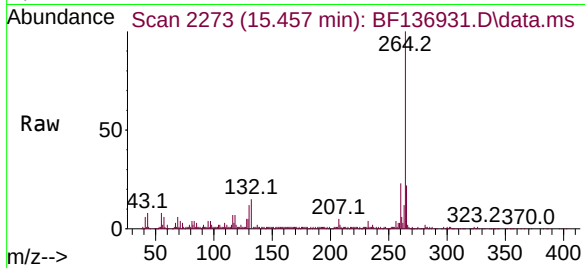




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2199
Delta R.T. 0.012 min
Lab File: BF136931.D
Acq: 04 Jan 2024 03:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 93570
Ion Ratio Lower Upper
264 100
260 22.9 18.3 27.5
265 21.5 17.0 25.6



#89
Benzo(k)fluoranthene
Concen: 2.079 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.023 min
Lab File: BF136931.D
Acq: 04 Jan 2024 03:40

Tgt Ion:252 Resp: 12279
Ion Ratio Lower Upper
252 100
253 25.4 17.0 25.6
125 31.6 8.2 12.4#

