

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136974.D
 Acq On : 05 Jan 2024 14:18
 Operator : CG\JU
 Sample : 05899-21DL2 100X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 05 14:49:03 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)

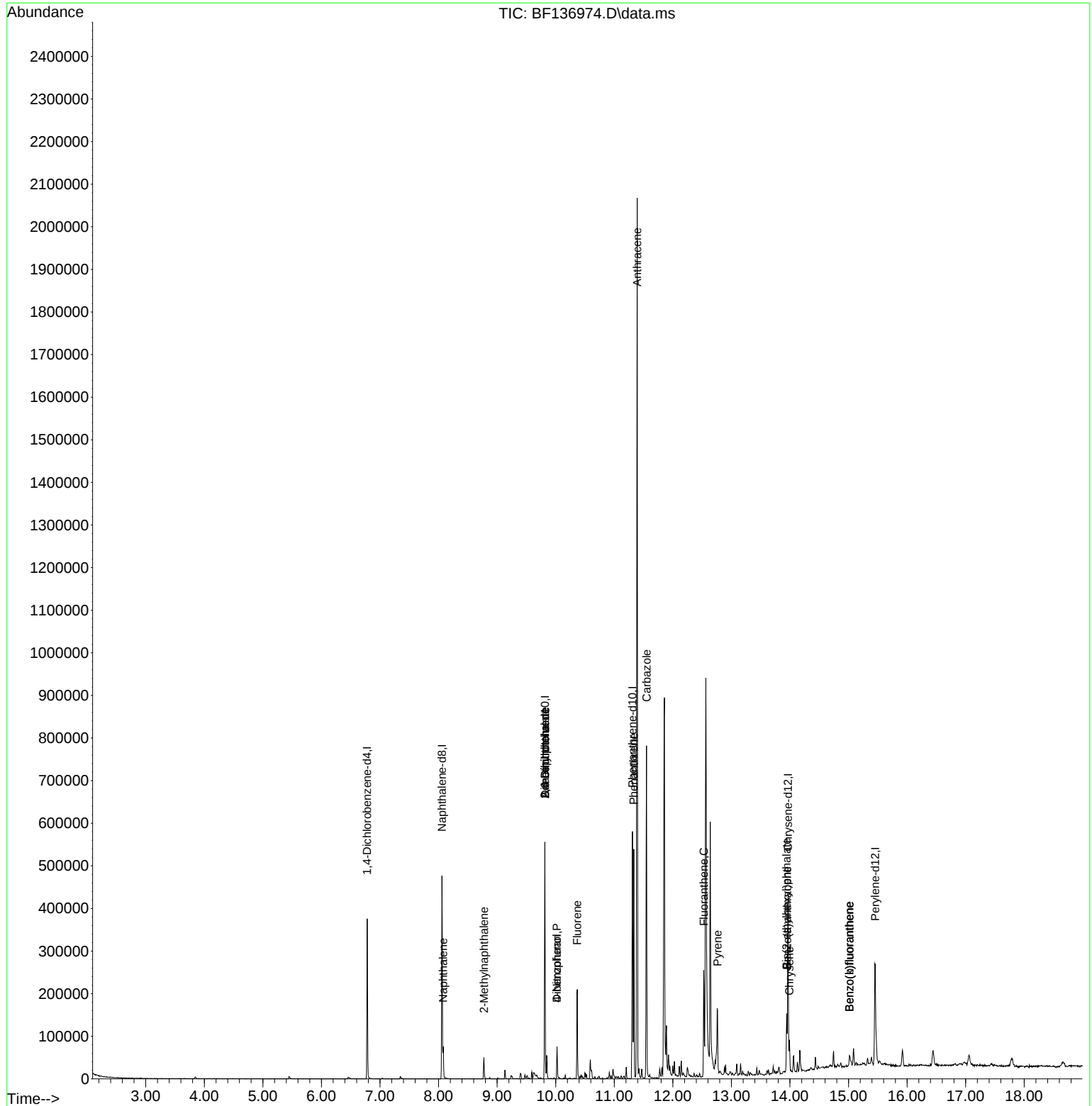
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	53688	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	202113	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	103934	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	197017	20.000	ng	0.00
76) Chrysene-d12	13.968	240	126142	20.000	ng	# 0.00
86) Perylene-d12	15.456	264	121682	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	3228	0.938	ng	0.02
7) Phenol-d6	6.451	99	3857	0.865	ng	0.01
23) Nitrobenzene-d5	7.345	82	2771	0.702	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	1476	1.206	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	7027	0.909	ng	-0.02
79) Terphenyl-d14	12.904	244	8087	0.896	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.081	128	30019	2.704	ng	97
37) 2-Methylnaphthalene	8.775	142	14943	2.091	ng	99
50) Dimethylphthalate	9.816	163	19972	2.631	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	13044	7.571	ng	# 29
55) Dibenzofuran	10.022	168	31120	3.268	ng	99
56) 4-Nitrophenol	10.022	139	10673	8.663	ng	# 9
57) 2,4-Dinitrotoluene	9.816	165	13044	5.832	ng	# 20
58) Fluorene	10.369	166	63635	8.422	ng	100
71) Phenanthrene	11.333	178	179937	17.800	ng	99
72) Anthracene	11.392	178	780268	76.215	ng	99
73) Carbazole	11.551	167	302564	31.346	ng	99
75) Fluoranthene	12.527	202	98925	9.149	ng	98
78) Pyrene	12.763	202	68081	5.498	ng	98
81) Benzo(a)anthracene	13.957	228	21091	2.408	ng	96
83) Chrysene	13.992	228	25358	2.960	ng	99
84) Bis(2-ethylhexyl)phtha...	13.945	149	33665	5.938	ng	# 97
88) Benzo(b)fluoranthene	15.015	252	17194	2.116	ng	# 92
89) Benzo(k)fluoranthene	15.015	252	17194	2.239	ng	93

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

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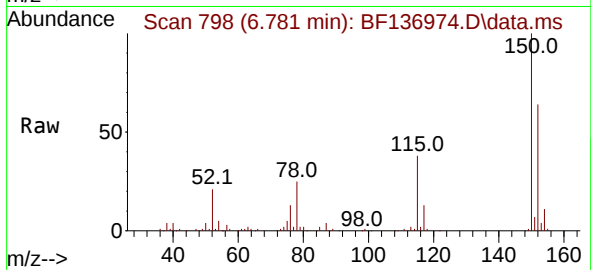
Quant Time: Jan 05 14:49:03 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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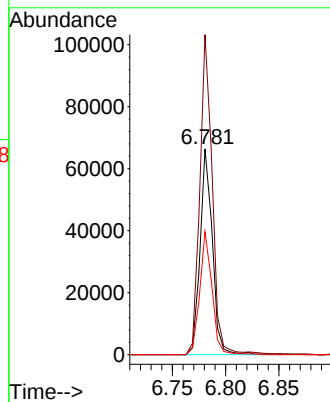
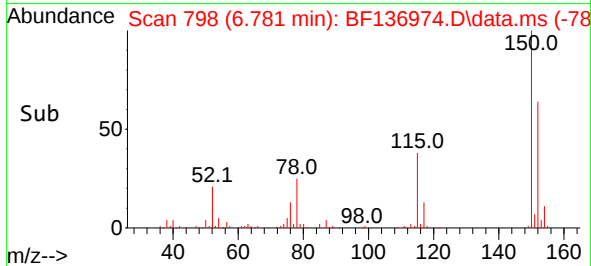


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136974.D
Acq: 05 Jan 2024 14:18

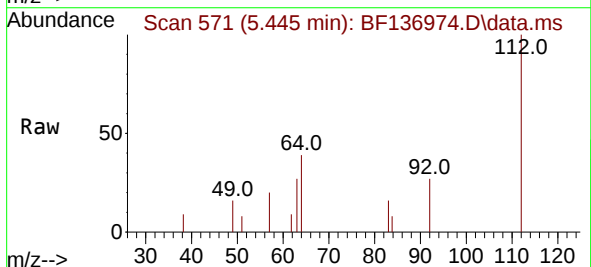
Instrument :
BNA_F
ClientSampleId :



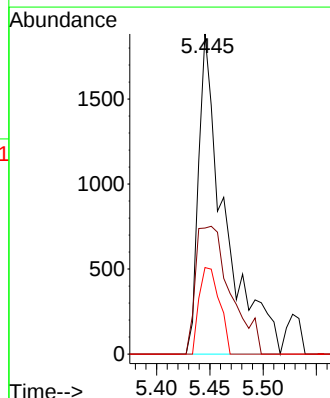
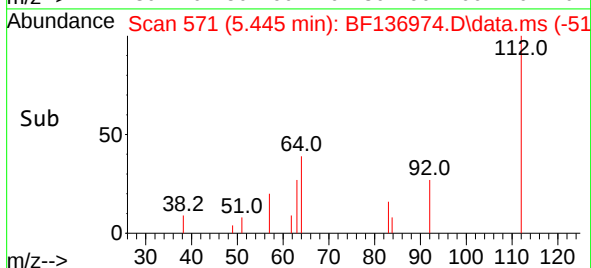
Tgt Ion:152 Resp: 53688
Ion Ratio Lower Upper
152 100
150 155.5 127.0 190.6
115 59.8 49.0 73.4

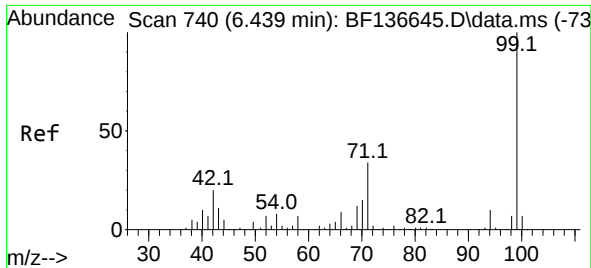


#5
2-Fluorophenol
Concen: 0.938 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.018 min
Lab File: BF136974.D
Acq: 05 Jan 2024 14:18



Tgt Ion:112 Resp: 3228
Ion Ratio Lower Upper
112 100
64 39.4 51.1 76.7#
63 27.0 26.1 39.1





#7

Phenol-d6

Concen: 0.865 ng

RT: 6.451 min Scan# 74

Delta R.T. 0.012 min

Lab File: BF136974.D

Acq: 05 Jan 2024 14:18

Instrument :

BNA_F

ClientSampleId :

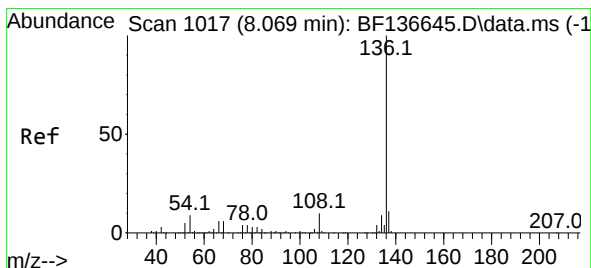
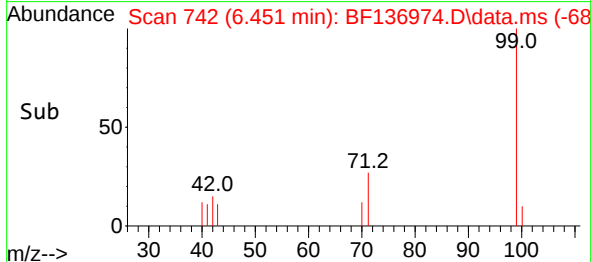
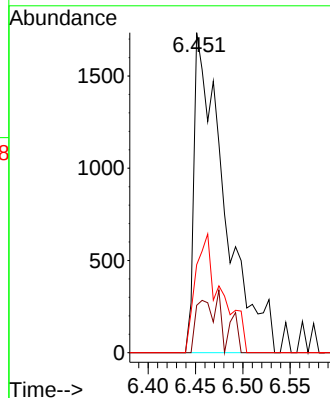
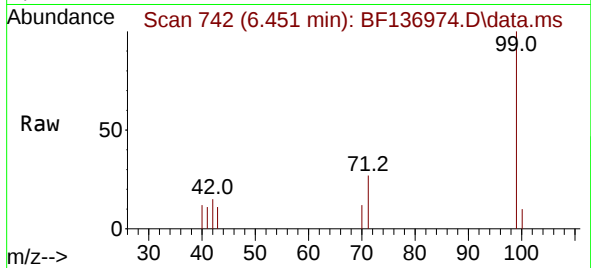
Tgt Ion: 99 Resp: 3857

Ion Ratio Lower Upper

99 100

42 14.8 16.1 24.1#

71 27.5 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: BF136974.D

Acq: 05 Jan 2024 14:18

Tgt Ion: 136 Resp: 202113

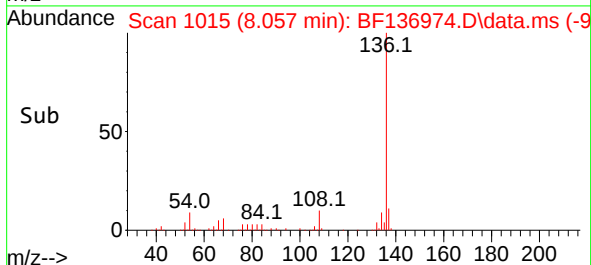
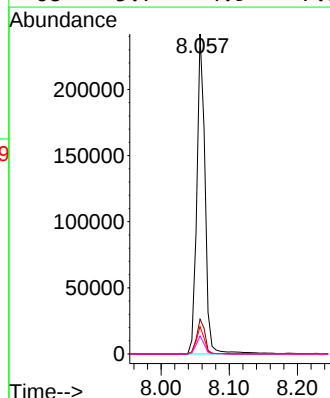
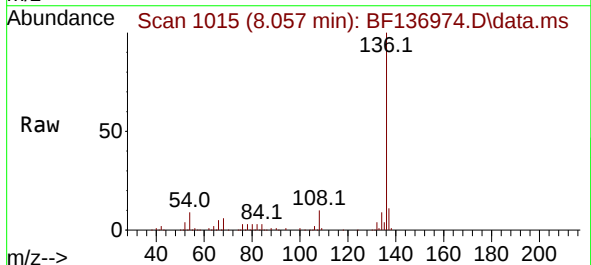
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 8.6 7.2 10.8

68 5.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 0.702 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

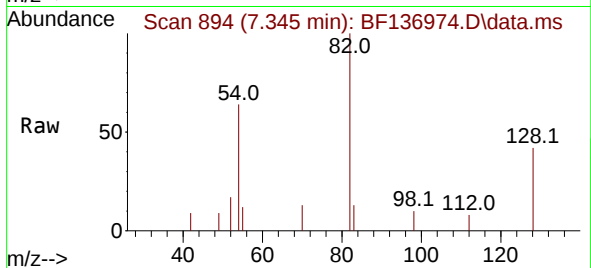
Lab File: BF136974.D

Acq: 05 Jan 2024 14:18

Instrument :

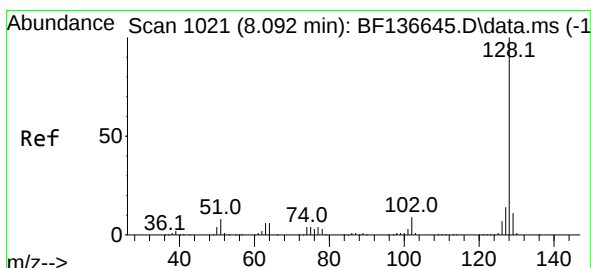
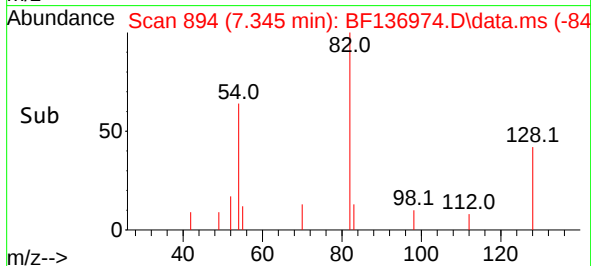
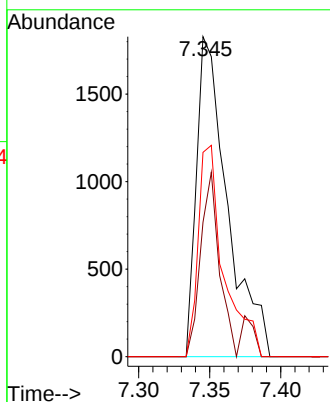
BNA_F

ClientSampleId :



Tgt Ion: 82 Resp: 2771

Ion	Ratio	Lower	Upper
82	100		
128	42.0	35.3	52.9
54	63.8	44.5	66.7



#31

Naphthalene

Concen: 2.704 ng

RT: 8.081 min Scan# 1019

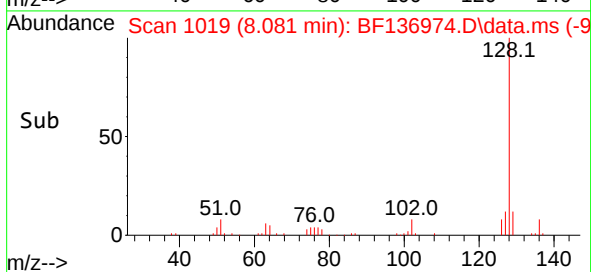
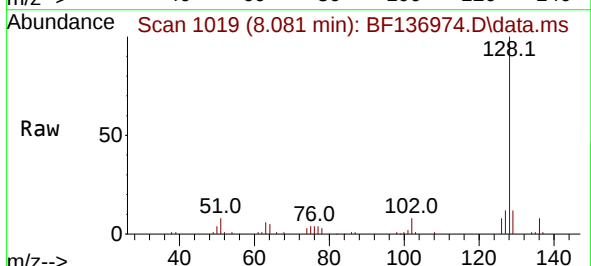
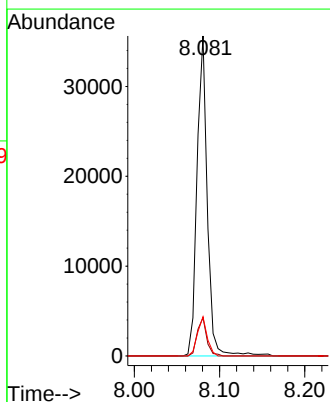
Delta R.T. -0.012 min

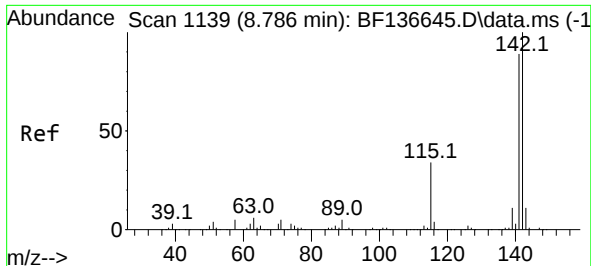
Lab File: BF136974.D

Acq: 05 Jan 2024 14:18

Tgt Ion: 128 Resp: 30019

Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.7	13.1
127	12.3	10.8	16.2





#37

2-Methylnaphthalene

Concen: 2.091 ng

RT: 8.775 min Scan# 1137

Delta R.T. -0.012 min

Lab File: BF136974.D

Acq: 05 Jan 2024 14:18

Instrument :

BNA_F

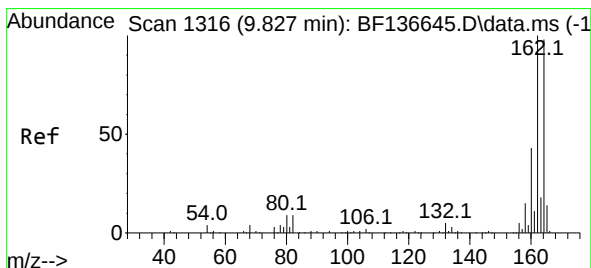
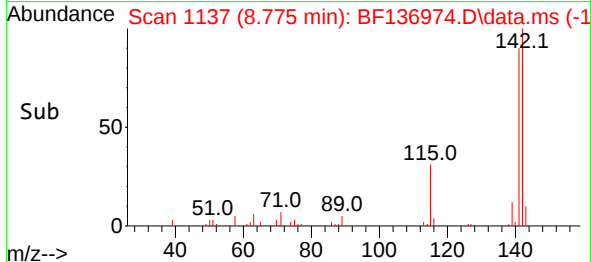
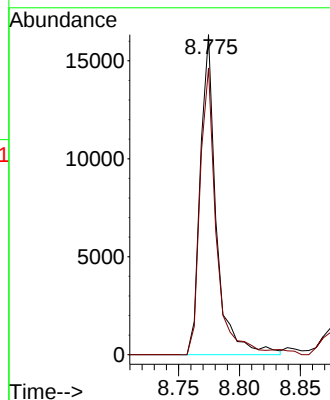
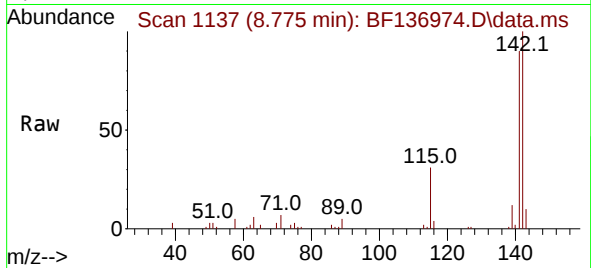
ClientSampleId :

Tgt Ion:142 Resp: 14943

Ion Ratio Lower Upper

142 100

141 89.6 71.1 106.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF136974.D

Acq: 05 Jan 2024 14:18

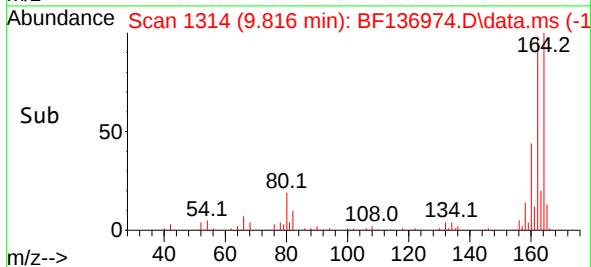
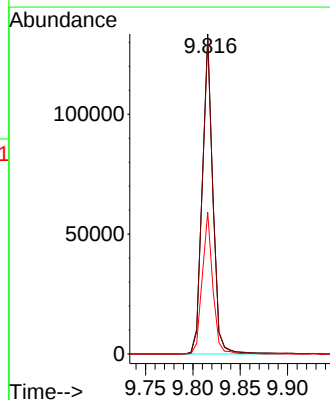
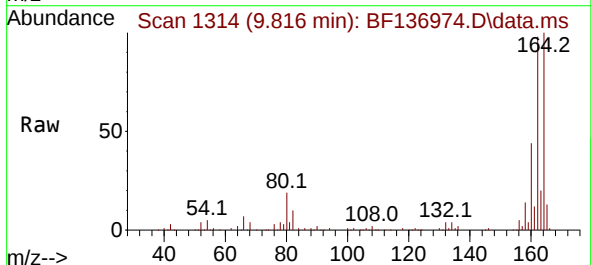
Tgt Ion:164 Resp: 103934

Ion Ratio Lower Upper

164 100

162 98.4 81.6 122.4

160 44.2 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 1.206 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

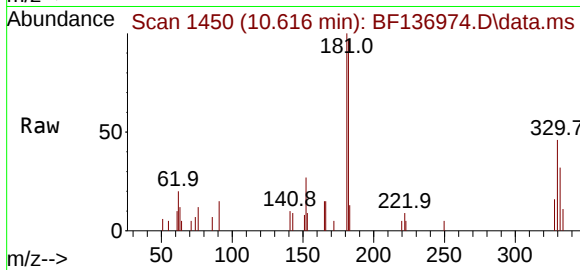
Lab File: BF136974.D

Acq: 05 Jan 2024 14:18

Instrument :

BNA_F

ClientSampleId :



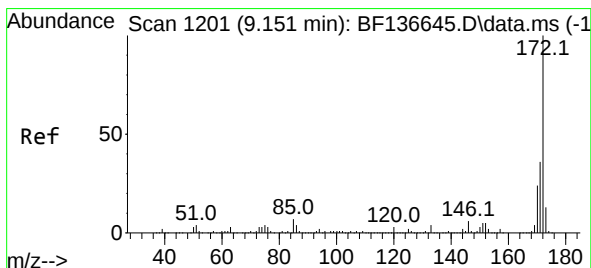
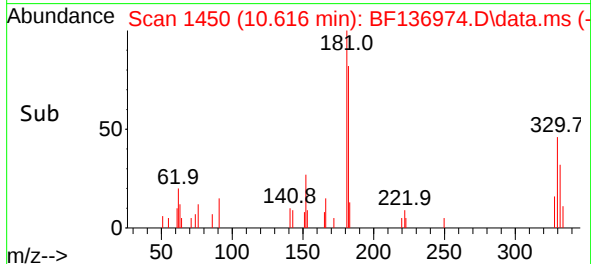
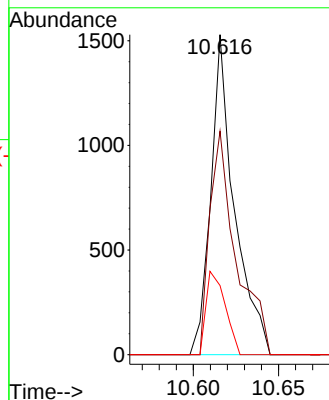
Tgt Ion:330 Resp: 1476

Ion Ratio Lower Upper

330 100

332 78.0 77.4 116.0

141 21.0 23.4 35.2#



#45

2-Fluorobiphenyl

Concen: 0.909 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136974.D

Acq: 05 Jan 2024 14:18

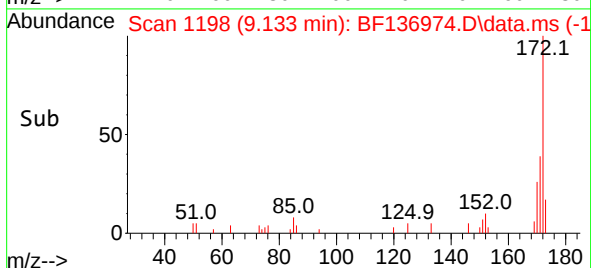
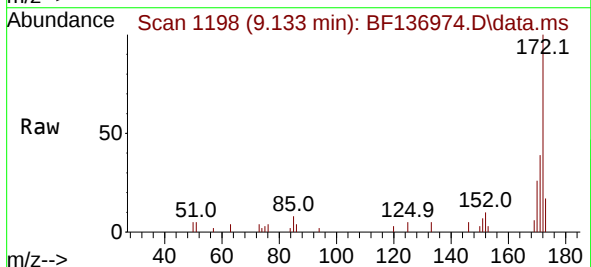
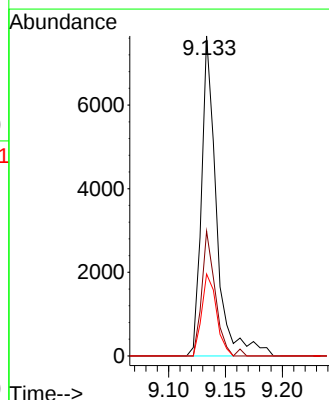
Tgt Ion:172 Resp: 7027

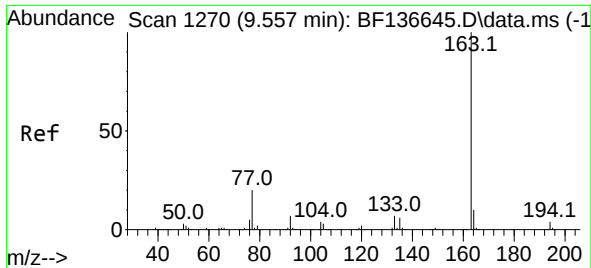
Ion Ratio Lower Upper

172 100

171 39.0 29.0 43.6

170 25.6 19.0 28.4

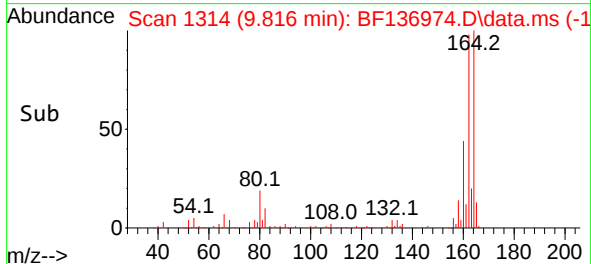
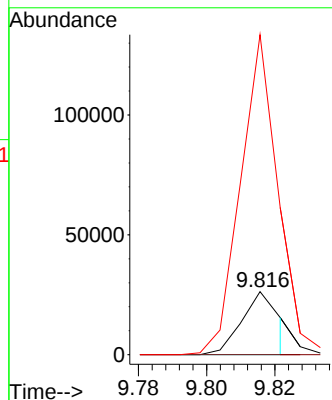
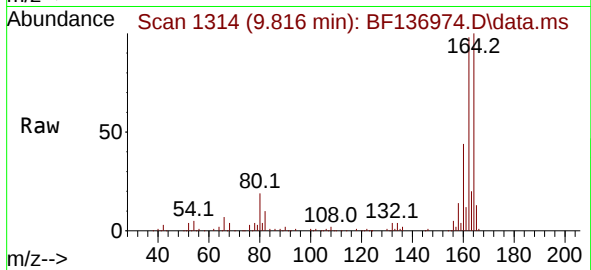




#50
Dimethylphthalate
Concen: 2.631 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136974.D
Acq: 05 Jan 2024 14:18

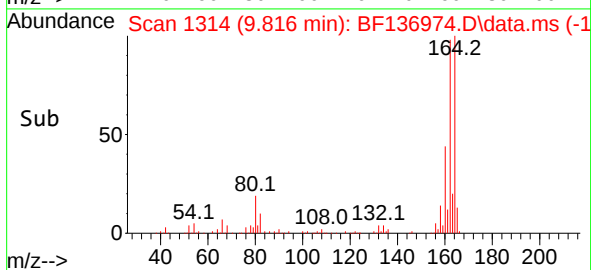
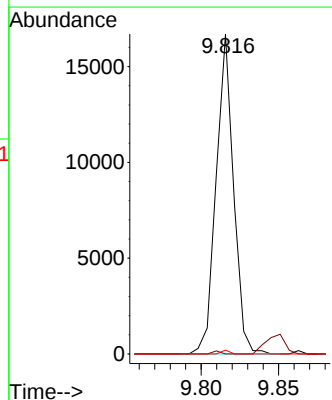
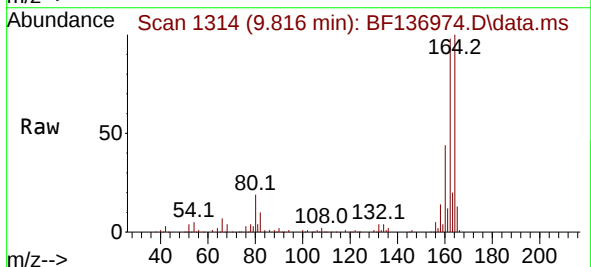
Instrument :
BNA_F
ClientSampleId :

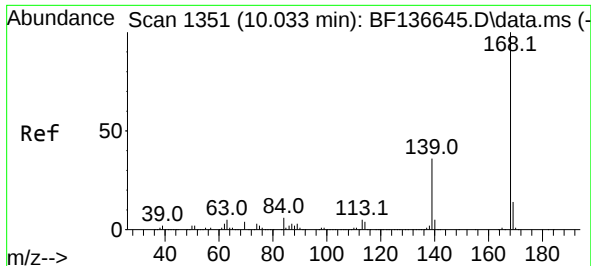
Tgt Ion:163 Resp: 19972
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 507.5 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.571 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136974.D
Acq: 05 Jan 2024 14:18

Tgt Ion:165 Resp: 13044
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 1.2 38.8 58.2#

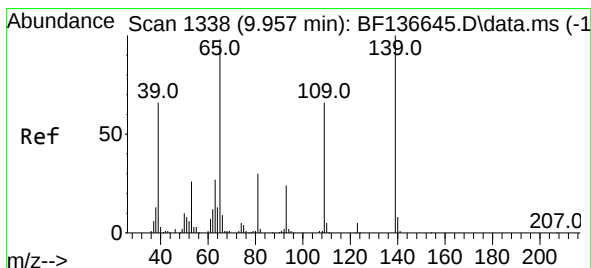
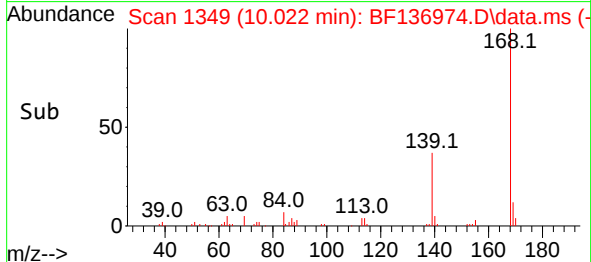
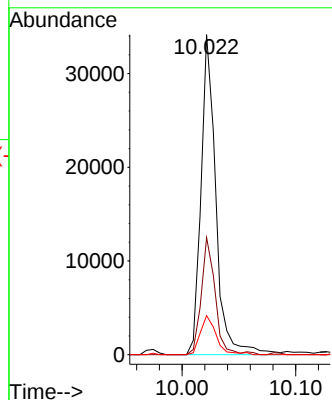
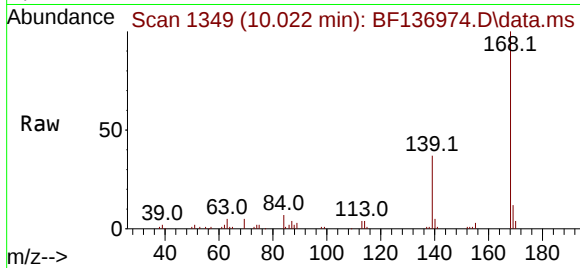




#55
Dibenzenofuran
Concen: 3.268 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF136974.D
Acq: 05 Jan 2024 14:18

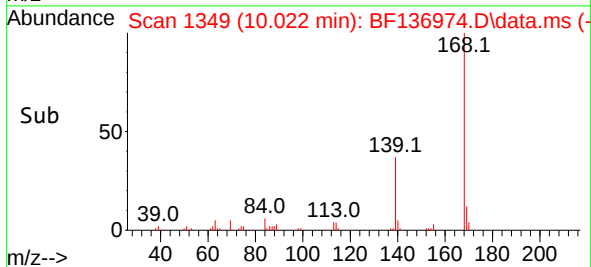
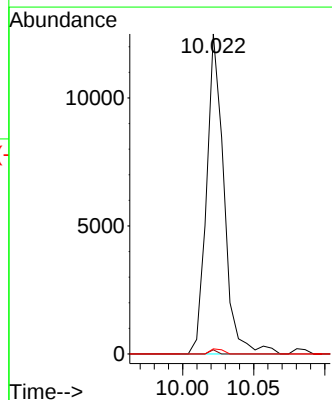
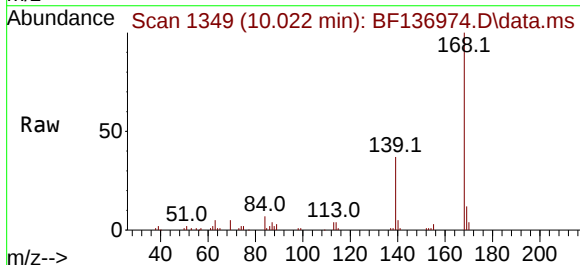
Instrument :
BNA_F
ClientSampleId :

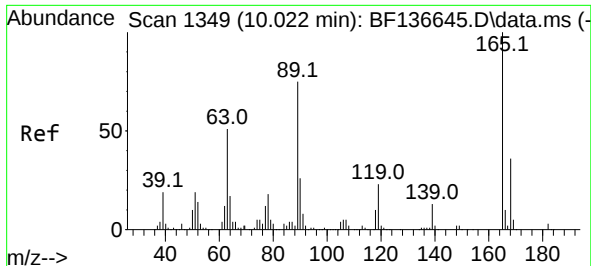
Tgt Ion:168 Resp: 31120
Ion Ratio Lower Upper
168 100
139 36.6 29.3 43.9
169 12.2 11.0 16.4



#56
4-Nitrophenol
Concen: 8.663 ng
RT: 10.022 min Scan# 1349
Delta R.T. 0.065 min
Lab File: BF136974.D
Acq: 05 Jan 2024 14:18

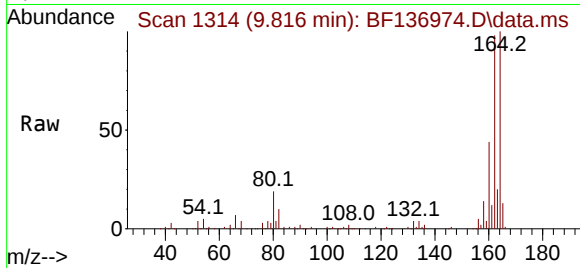
Tgt Ion:139 Resp: 10673
Ion Ratio Lower Upper
139 100
109 1.3 45.8 85.8#
65 1.6 77.8 117.8#



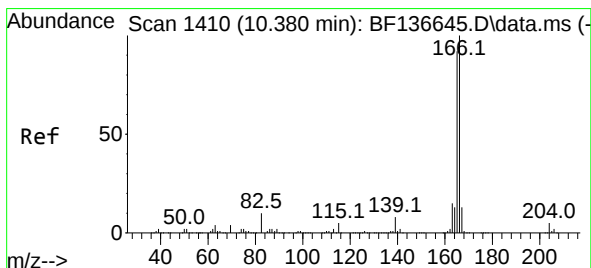
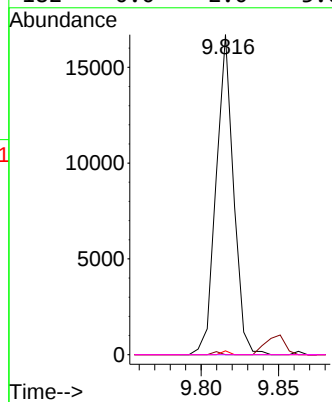
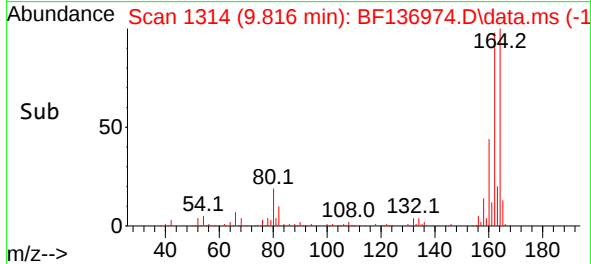


#57
2,4-Dinitrotoluene
Concen: 5.832 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136974.D
Acq: 05 Jan 2024 14:18

Instrument :
BNA_F
ClientSampleId :

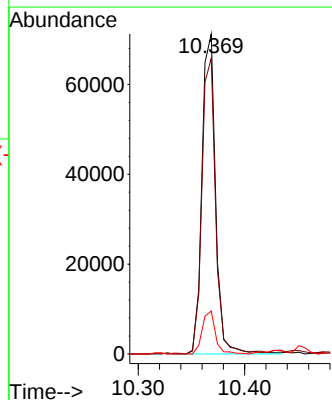
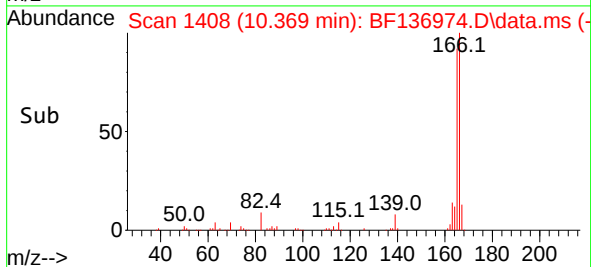
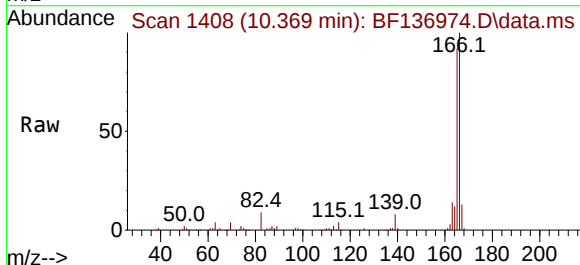


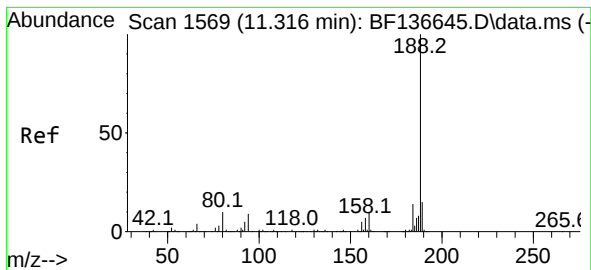
Tgt Ion:165 Resp: 13044
Ion Ratio Lower Upper
165 100
63 0.0 41.0 61.6#
89 1.2 59.9 89.9#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 8.422 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF136974.D
Acq: 05 Jan 2024 14:18

Tgt Ion:166 Resp: 63635
Ion Ratio Lower Upper
166 100
165 92.3 73.7 110.5
167 13.4 10.4 15.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136974.D

Acq: 05 Jan 2024 14:18

Instrument :

BNA_F

ClientSampleId :

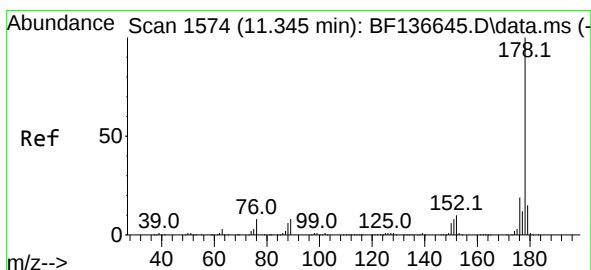
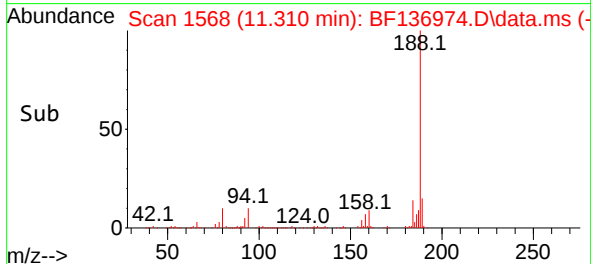
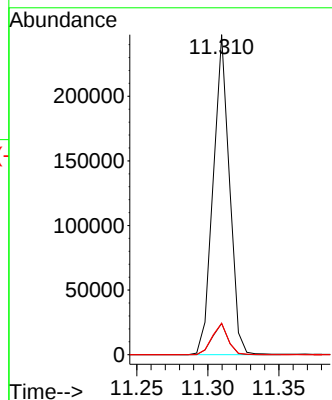
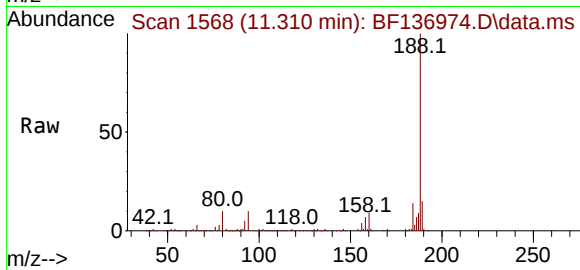
Tgt Ion:188 Resp: 197017

Ion Ratio Lower Upper

188 100

94 9.8 7.5 11.3

80 9.8 8.1 12.1



#71

Phenanthrene

Concen: 17.800 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF136974.D

Acq: 05 Jan 2024 14:18

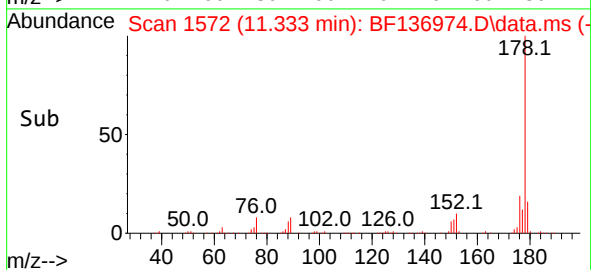
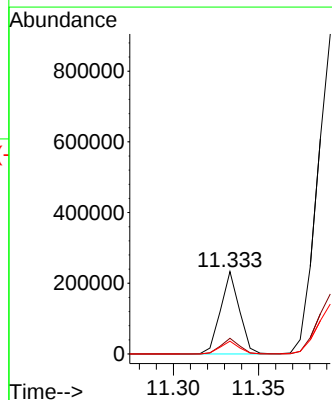
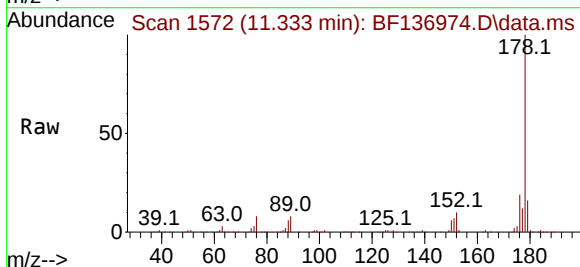
Tgt Ion:178 Resp: 179937

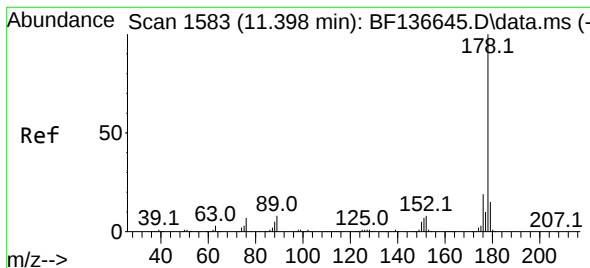
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.6 11.9 17.9





#72

Anthracene

Concen: 76.215 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136974.D

Acq: 05 Jan 2024 14:18

Instrument :

BNA_F

ClientSampleId :

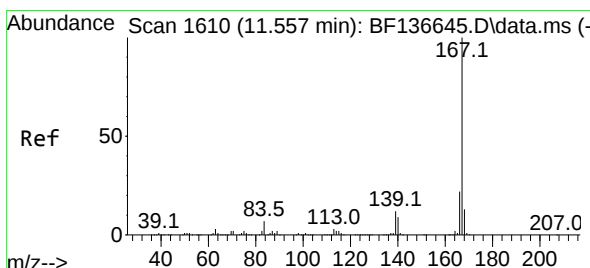
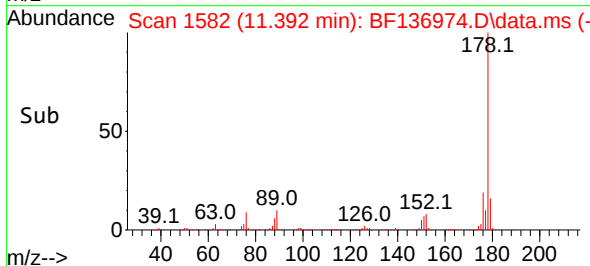
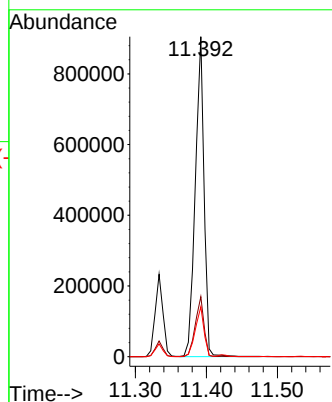
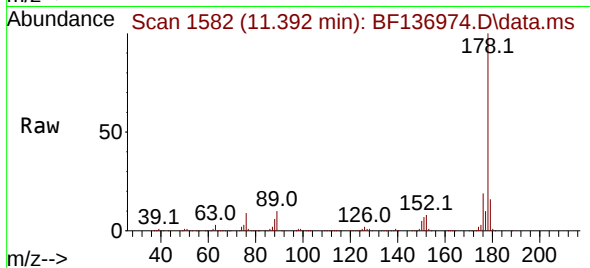
Tgt Ion:178 Resp: 780268

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 15.6 11.8 17.6



#73

Carbazole

Concen: 31.346 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BF136974.D

Acq: 05 Jan 2024 14:18

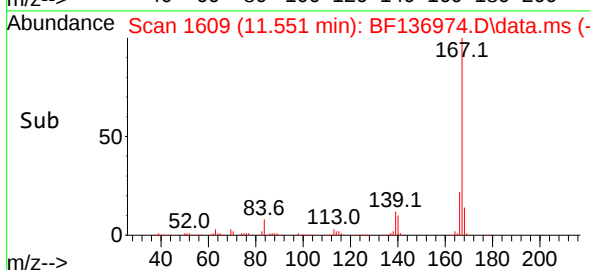
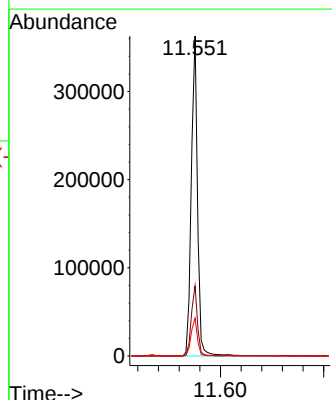
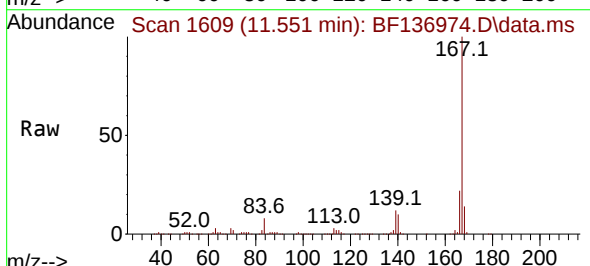
Tgt Ion:167 Resp: 302564

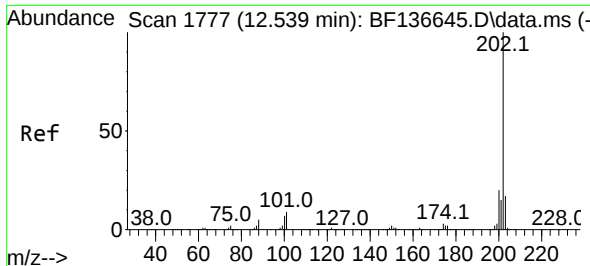
Ion Ratio Lower Upper

167 100

166 21.9 17.3 25.9

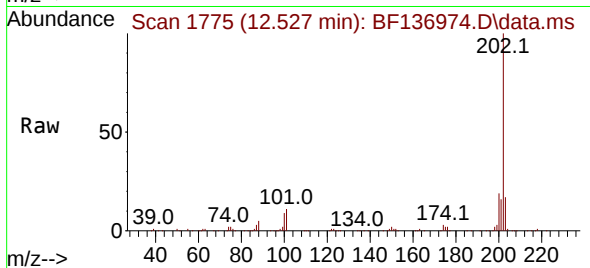
139 11.8 9.8 14.6



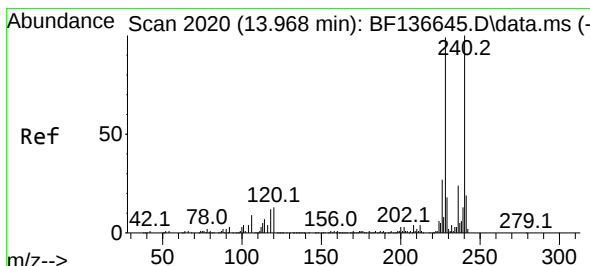
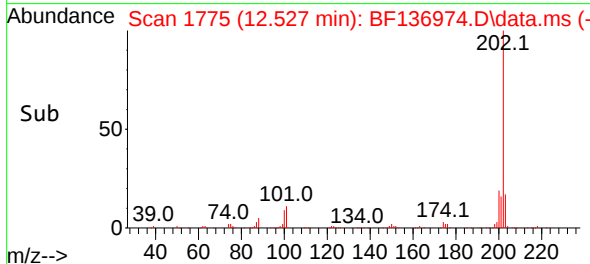
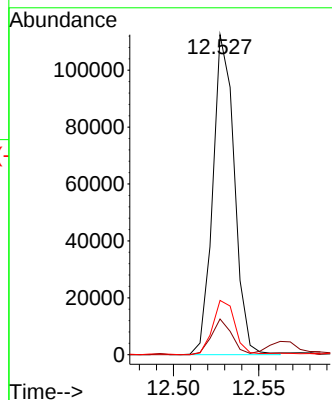


#75
Fluoranthene
Concen: 9.149 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136974.D
Acq: 05 Jan 2024 14:18

Instrument :
BNA_F
ClientSampleId :

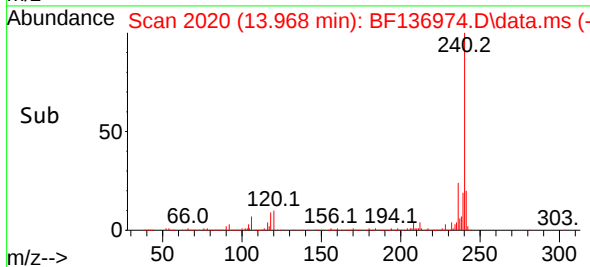
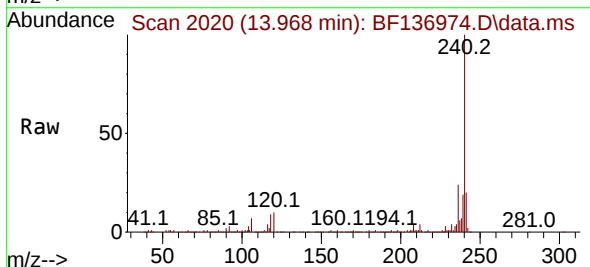
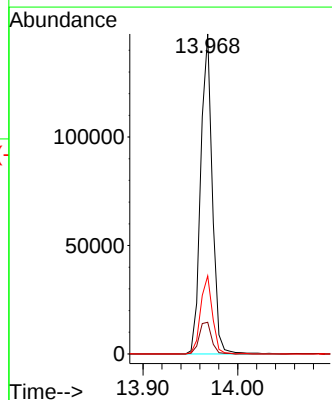


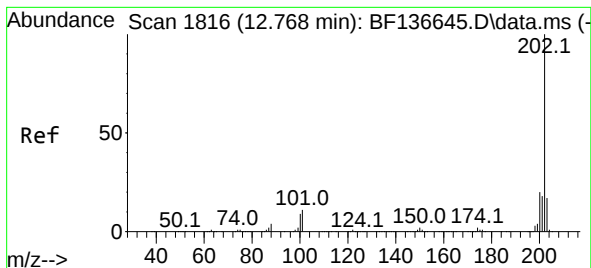
Tgt Ion:202 Resp: 98925
Ion Ratio Lower Upper
202 100
101 11.2 0.0 29.3
203 16.9 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136974.D
Acq: 05 Jan 2024 14:18

Tgt Ion:240 Resp: 126142
Ion Ratio Lower Upper
240 100
120 9.9 10.3 15.5#
236 24.4 19.4 29.2





#78

Pyrene

Concen: 5.498 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

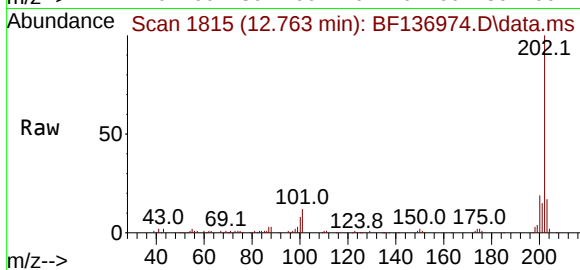
Lab File: BF136974.D

Acq: 05 Jan 2024 14:18

Instrument :

BNA_F

ClientSampleId :



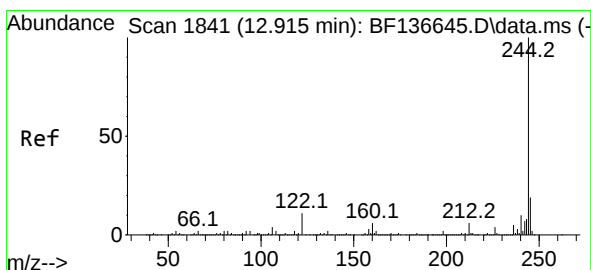
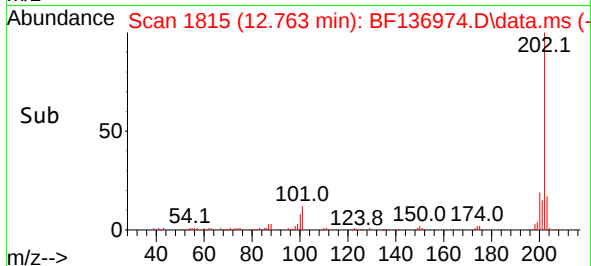
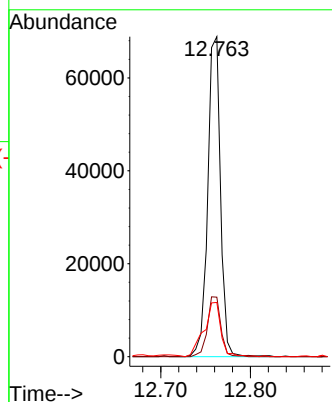
Tgt Ion:202 Resp: 68081

Ion Ratio Lower Upper

202 100

200 18.6 15.9 23.9

203 17.0 13.8 20.6



#79

Terphenyl-d14

Concen: 0.896 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136974.D

Acq: 05 Jan 2024 14:18

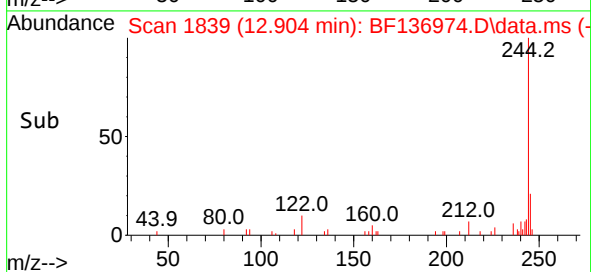
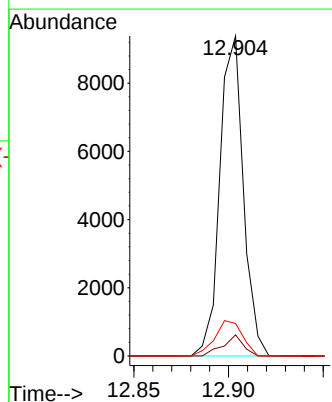
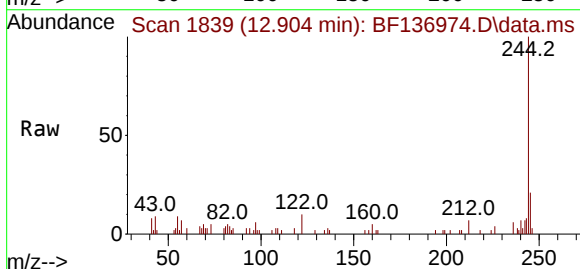
Tgt Ion:244 Resp: 8087

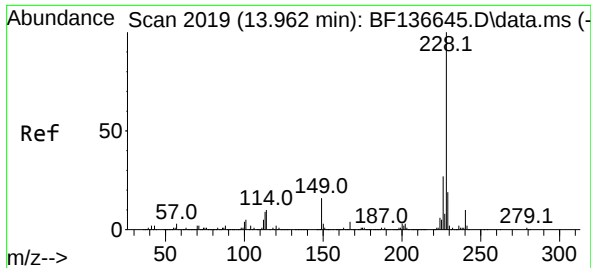
Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.4

122 10.1 9.0 13.4

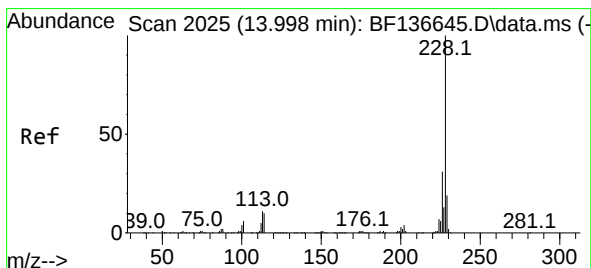
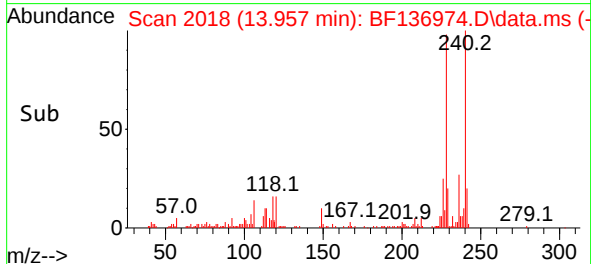
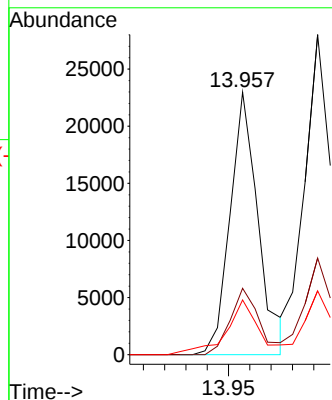
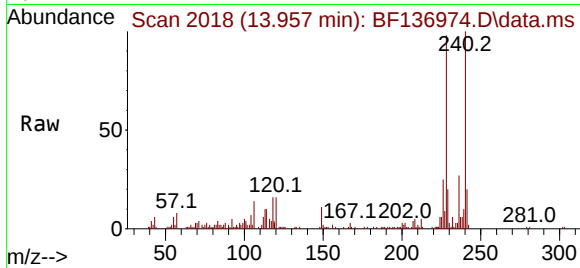




#81
Benzo(a)anthracene
Concen: 2.408 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136974.D
Acq: 05 Jan 2024 14:18

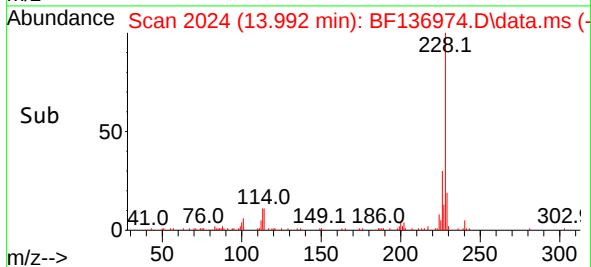
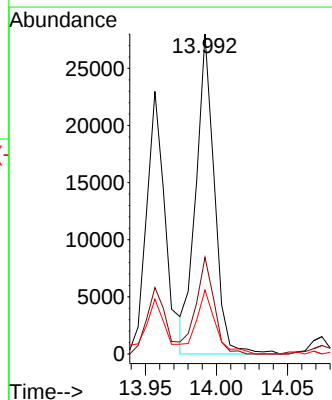
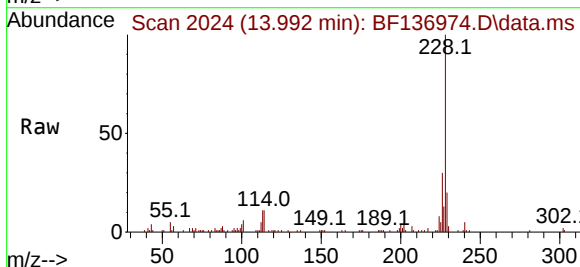
Instrument :
BNA_F
ClientSampleId :

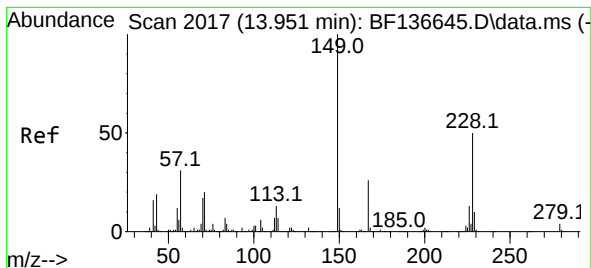
Tgt Ion:228 Resp: 21091
Ion Ratio Lower Upper
228 100
226 25.3 21.4 32.0
229 20.9 14.9 22.3



#83
Chrysene
Concen: 2.960 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF136974.D
Acq: 05 Jan 2024 14:18

Tgt Ion:228 Resp: 25358
Ion Ratio Lower Upper
228 100
226 30.2 24.7 37.1
229 19.9 15.4 23.0

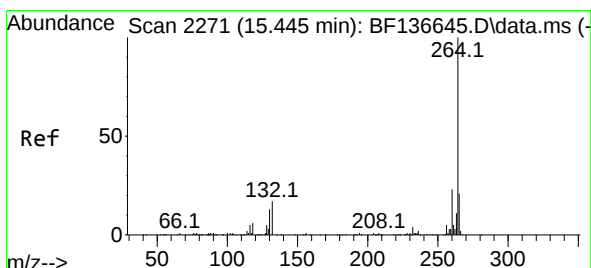
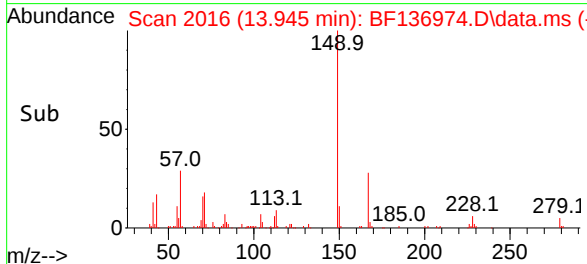
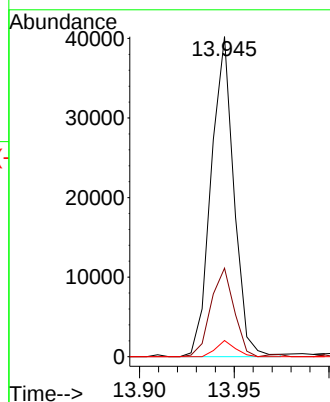
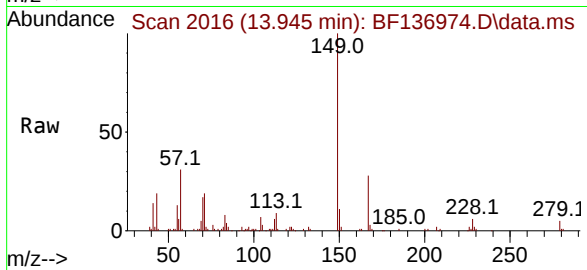




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.938 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF136974.D
Acq: 05 Jan 2024 14:18

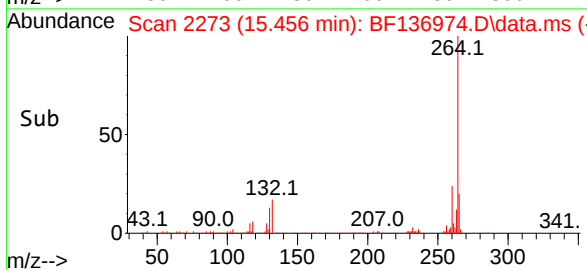
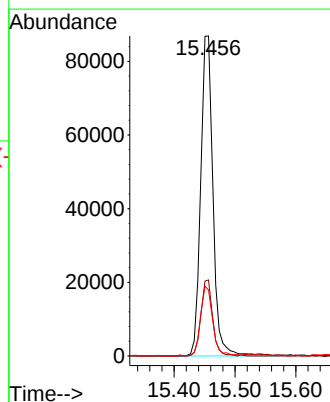
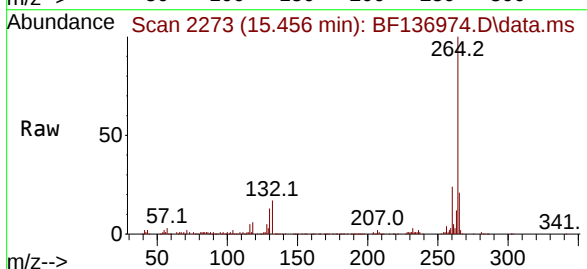
Instrument :
BNA_F
ClientSampleId :

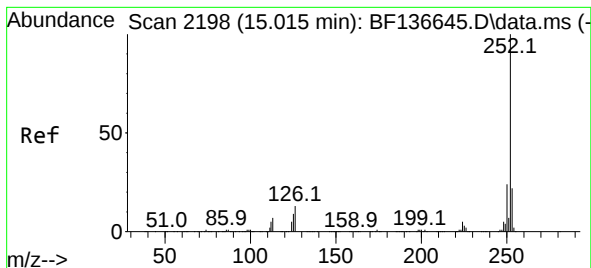
Tgt Ion:149 Resp: 33665
Ion Ratio Lower Upper
149 100
167 27.7 20.9 31.3
279 5.1 2.9 4.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.456 min Scan# 2273
Delta R.T. 0.012 min
Lab File: BF136974.D
Acq: 05 Jan 2024 14:18

Tgt Ion:264 Resp: 121682
Ion Ratio Lower Upper
264 100
260 23.8 18.3 27.5
265 20.6 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 2.116 ng

RT: 15.015 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136974.D

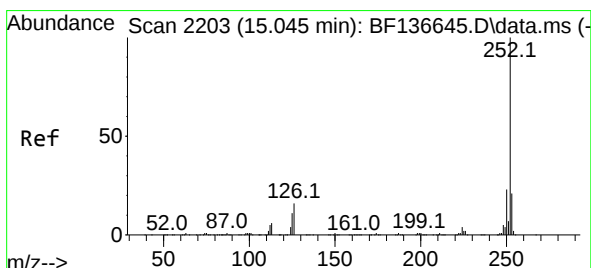
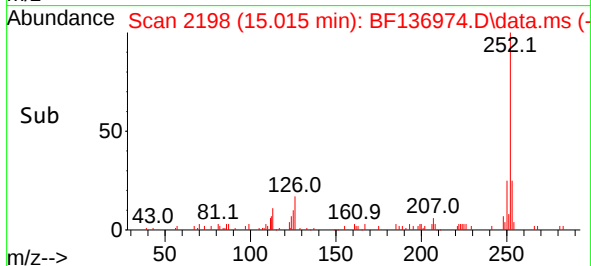
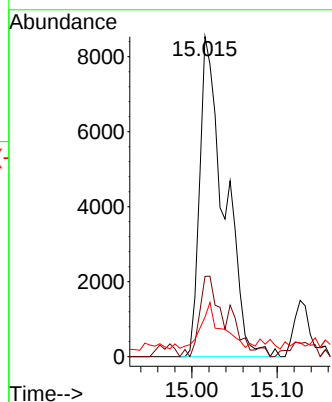
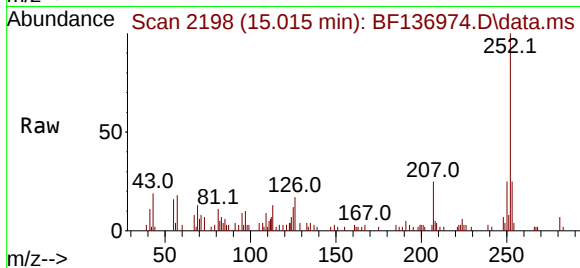
Acq: 05 Jan 2024 14:18

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:252	Resp:	17194
Ion Ratio	Lower	Upper
252	100	
253	25.1	17.4 26.0
125	12.3	7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 2.239 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF136974.D

Acq: 05 Jan 2024 14:18

Tgt Ion:252	Resp:	17194
Ion Ratio	Lower	Upper
252	100	
253	25.1	17.0 25.6
125	12.3	8.2 12.4

