

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136987.D
 Acq On : 05 Jan 2024 21:05
 Operator : CG\JU
 Sample : P1040-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

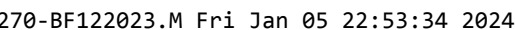
Quant Time: Jan 05 22:53:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

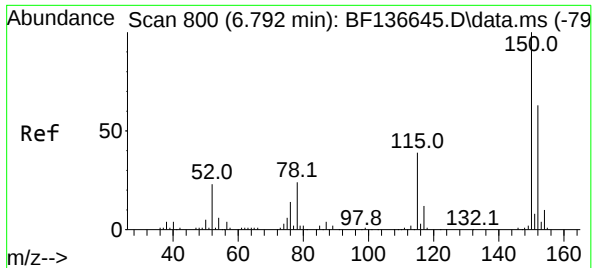
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	52275	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	182864	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	83386	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	152571	20.000	ng	0.00
76) Chrysene-d12	13.969	240	133309	20.000	ng	0.00
86) Perylene-d12	15.457	264	110890	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	313891	93.689	ng	0.00
7) Phenol-d6	6.434	99	370258	85.288	ng	0.00
23) Nitrobenzene-d5	7.345	82	222180	62.173	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	83013	84.530	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	443495	71.534	ng	-0.01
79) Terphenyl-d14	12.910	244	494980	51.888	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	29659	11.270	ng	# 71
25) Isophorone	7.345	82	222216	34.174	ng	# 65
50) Dimethylphthalate	9.816	163	16664	2.736	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	11203	8.105	ng	# 29
52) Acenaphthene	9.845	154	19944	3.957	ng	91
55) Dibenzofuran	10.022	168	20008	2.619	ng	97
56) 4-Nitrophenol	10.022	139	6769	6.848	ng	# 10
58) Fluorene	10.369	166	32446	5.352	ng	96
67) 4-Bromophenyl-phenylether	10.610	248	4831	2.851	ng	# 1
71) Phenanthrene	11.333	178	231246	29.539	ng	98
72) Anthracene	11.386	178	79653	10.047	ng	99
73) Carbazole	11.551	167	27136	3.630	ng	98
75) Fluoranthene	12.533	202	257025	30.694	ng	98
78) Pyrene	12.763	202	227438	17.380	ng	99
81) Benzo(a)anthracene	13.963	228	150018	16.206	ng	97
83) Chrysene	13.963	228	150018	16.573	ng	96
87) Indeno(1,2,3-cd)pyrene	16.974	276	31678	3.957	ng	99
88) Benzo(b)fluoranthene	15.021	252	147460	19.910	ng	# 94
89) Benzo(k)fluoranthene	15.021	252	147460	21.071	ng	# 94
90) Benzo(a)pyrene	15.392	252	77955	12.469	ng	97
92) Benzo(g,h,i)perylene	17.433	276	26157	3.888	ng	98

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

Quant Time: Jan 05 22:53:25 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

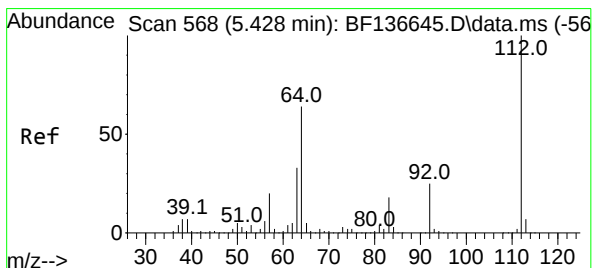
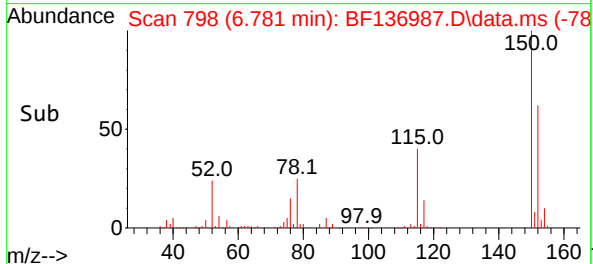
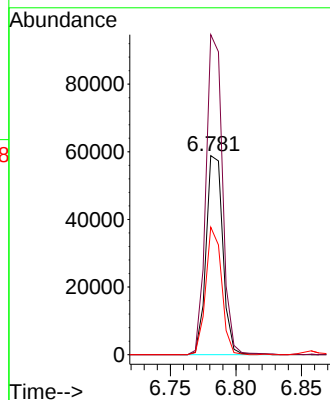
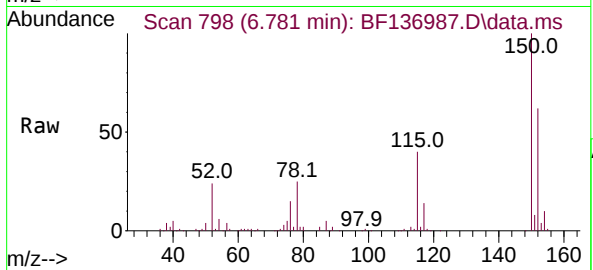




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

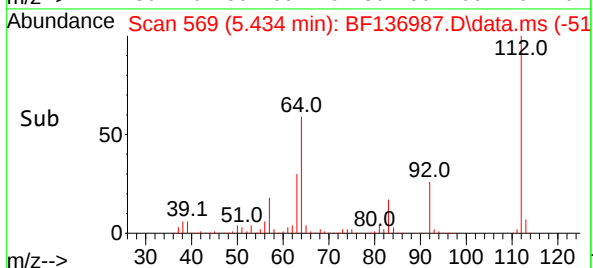
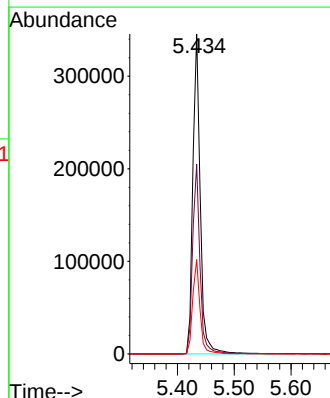
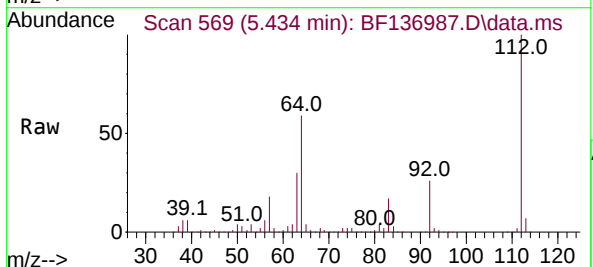
Instrument :
BNA_F
ClientSampleId :
COMP-1

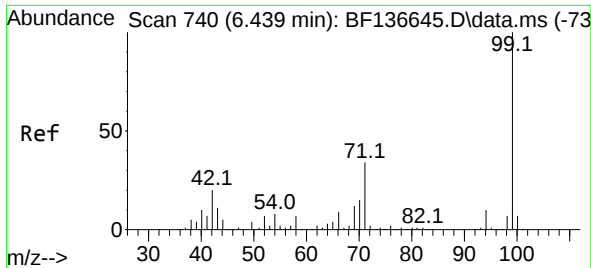
Tgt Ion:152 Resp: 52275
Ion Ratio Lower Upper
152 100
150 160.8 127.0 190.6
115 64.1 49.0 73.4



#5
2-Fluorophenol
Concen: 93.689 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

Tgt Ion:112 Resp: 313891
Ion Ratio Lower Upper
112 100
64 59.3 51.1 76.7
63 29.5 26.1 39.1

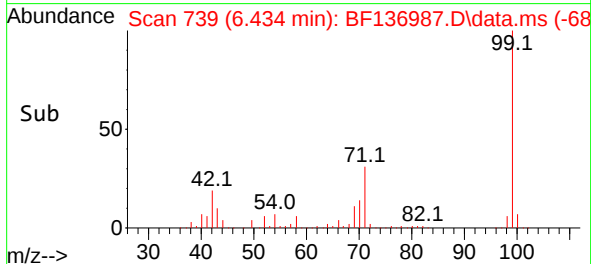
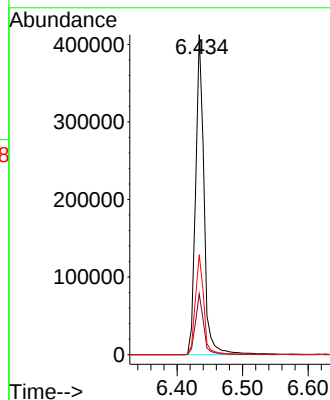
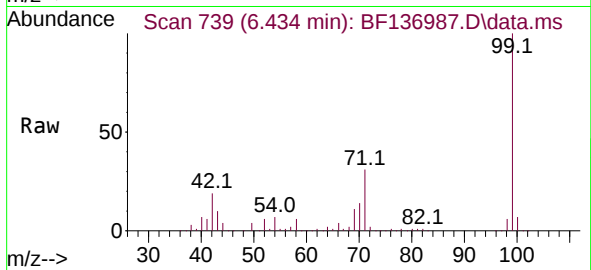




#7
Phenol-d6
Concen: 85.288 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

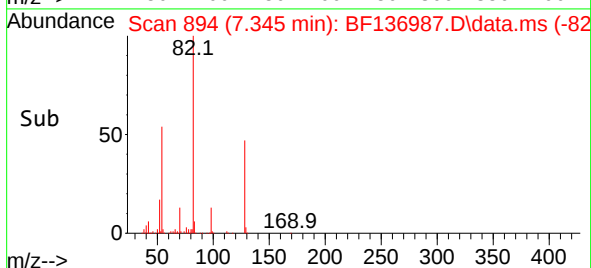
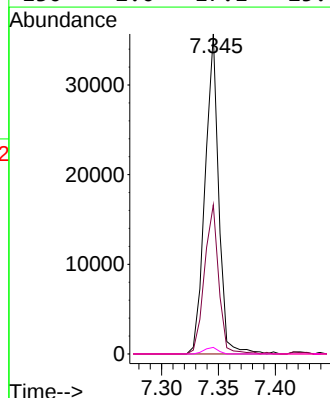
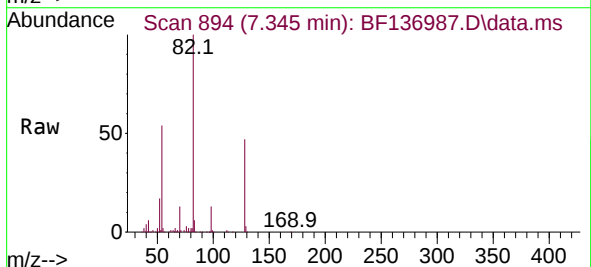
Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion: 99 Resp: 370258
Ion Ratio Lower Upper
99 100
42 19.0 16.1 24.1
71 31.2 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.270 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

Tgt Ion: 70 Resp: 29659
Ion Ratio Lower Upper
70 100
42 46.6 54.2 81.4#
101 0.0 7.6 11.4#
130 2.0 17.1 25.7#



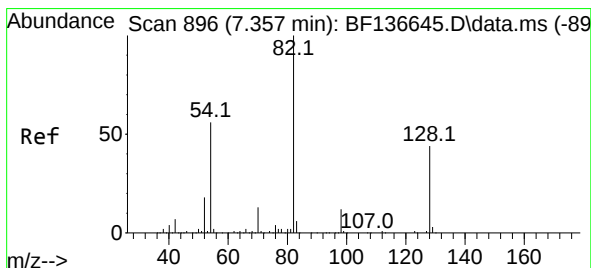
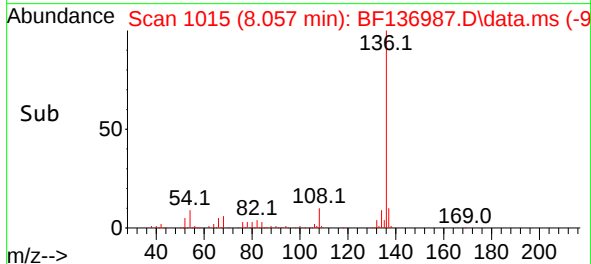
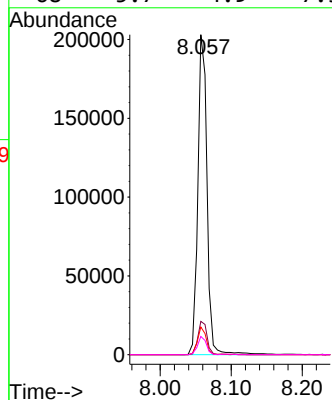
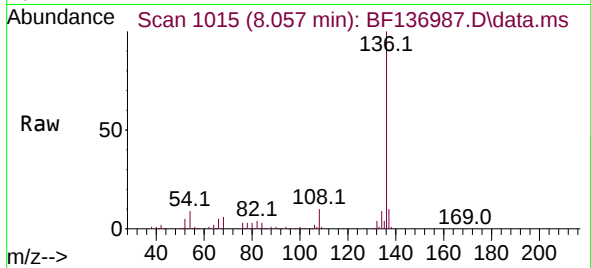


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:136 Resp: 182864

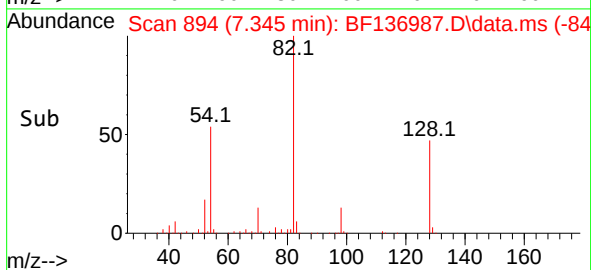
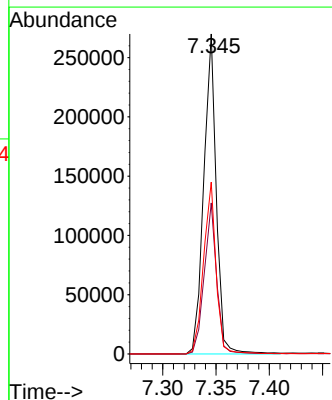
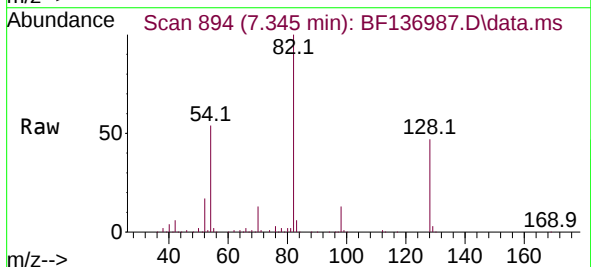
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.4
54	8.7	7.2	10.8
68	5.7	4.9	7.3

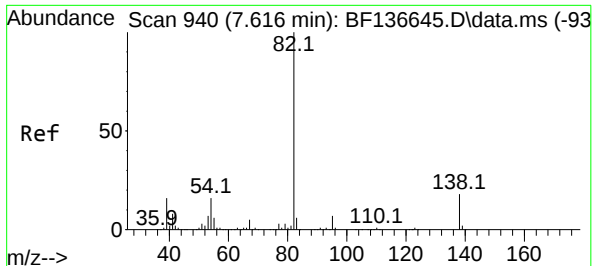


#23
Nitrobenzene-d5
Concen: 62.173 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

Tgt Ion: 82 Resp: 222180

Ion	Ratio	Lower	Upper
82	100		
128	47.2	35.3	52.9
54	53.7	44.5	66.7

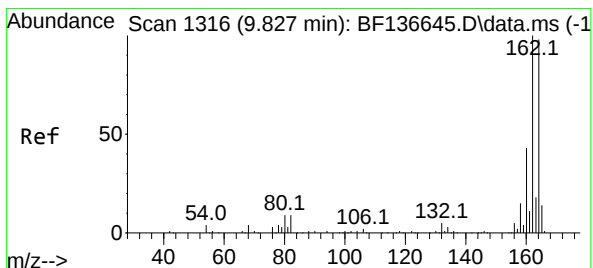
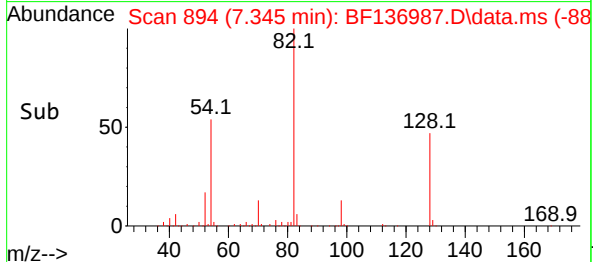
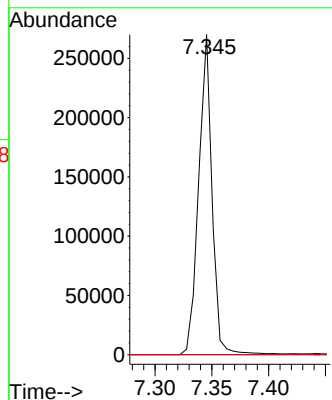
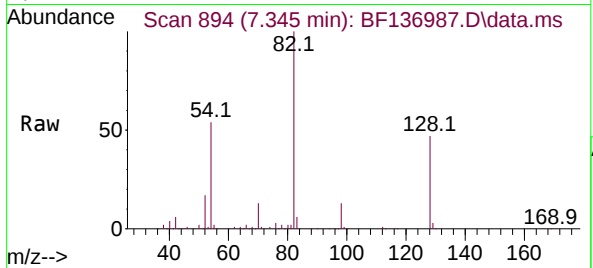




#25
Isophorone
Concen: 34.174 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

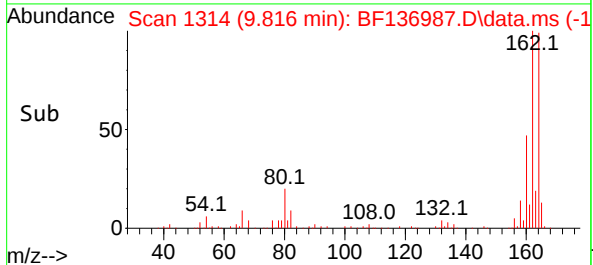
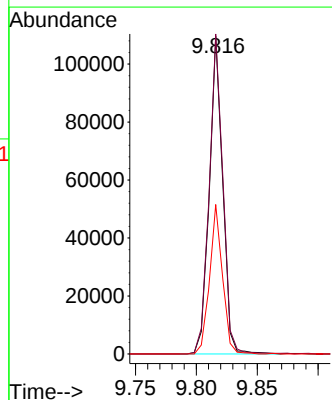
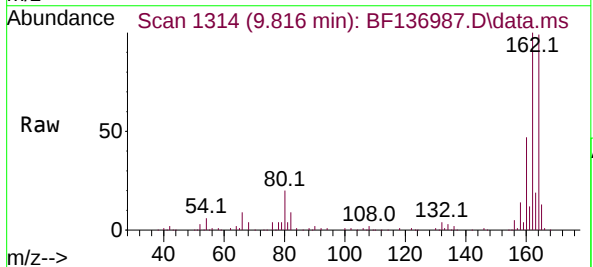
Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion: 82 Resp: 222216
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: BF136987.D
Acq: 05 Jan 2024 21:05

Tgt Ion:164 Resp: 83386
Ion Ratio Lower Upper
164 100
162 100.7 81.6 122.4
160 47.0 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 84.530 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1

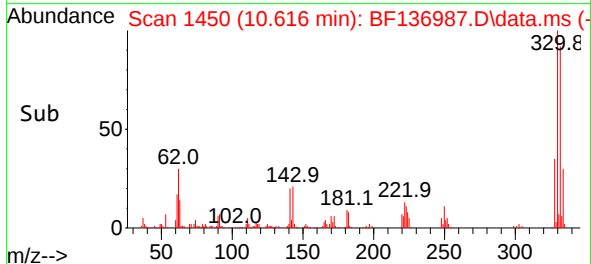
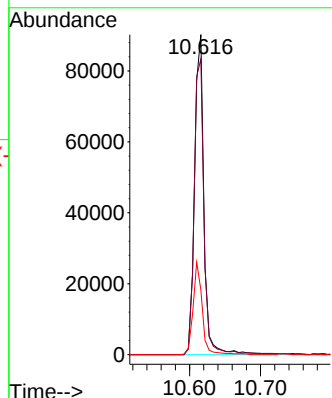
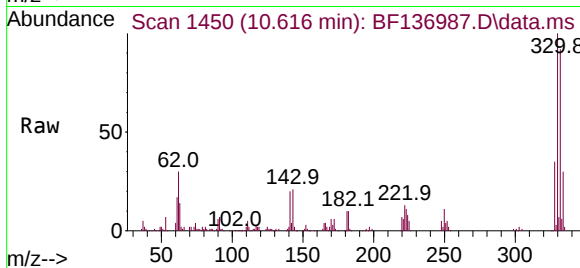
Tgt Ion:330 Resp: 83013

Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.0

141 28.2 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 71.534 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

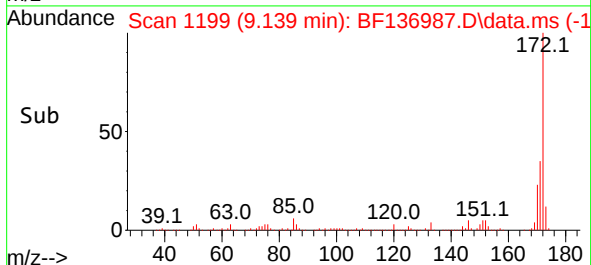
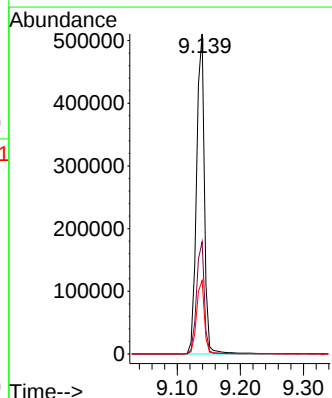
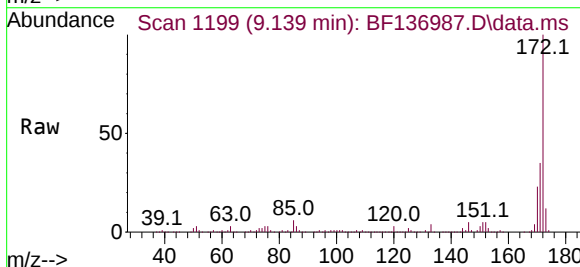
Tgt Ion:172 Resp: 443495

Ion Ratio Lower Upper

172 100

171 35.1 29.0 43.6

170 23.0 19.0 28.4

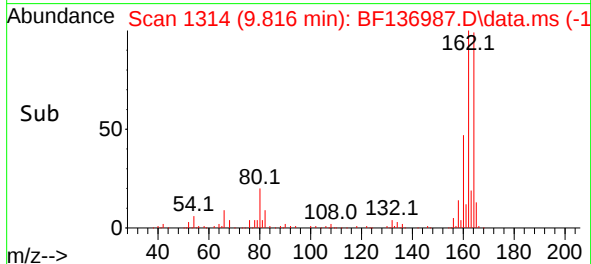
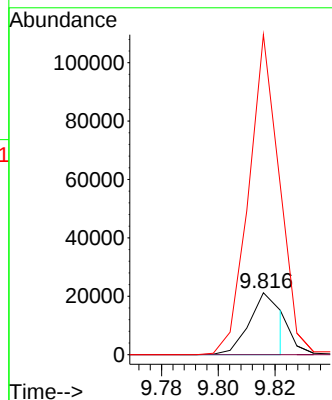
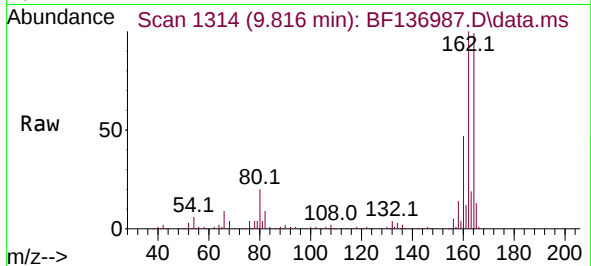




#50
Dimethylphthalate
Concen: 2.736 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

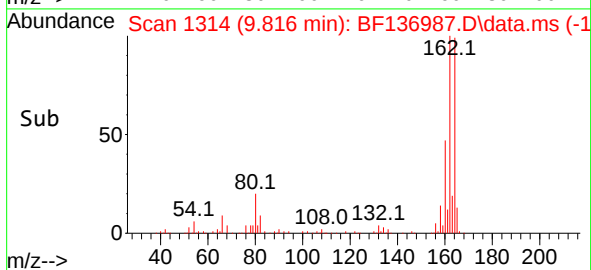
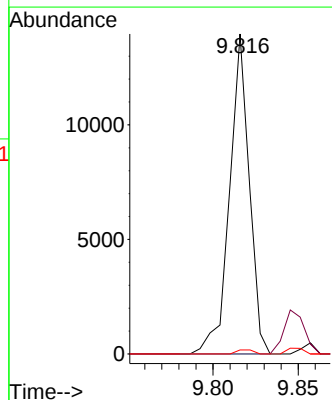
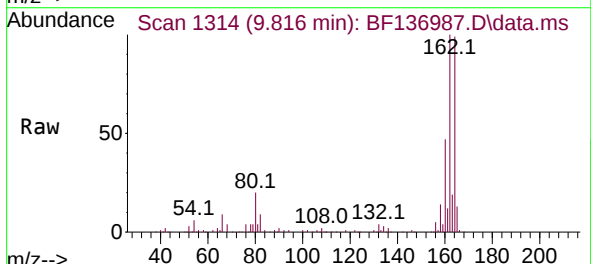
Instrument :
BNA_F
ClientSampleId :
COMP-1

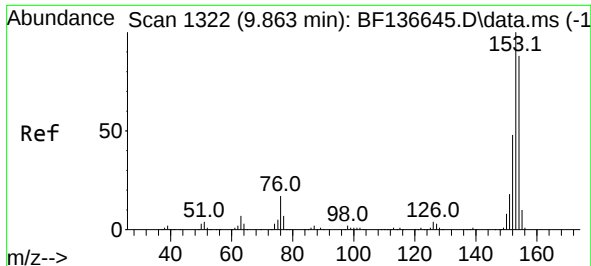
Tgt Ion:163 Resp: 16664
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 516.1 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 8.105 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

Tgt Ion:165 Resp: 11203
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 1.2 38.8 58.2#

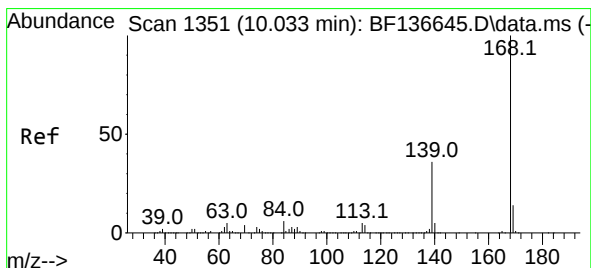
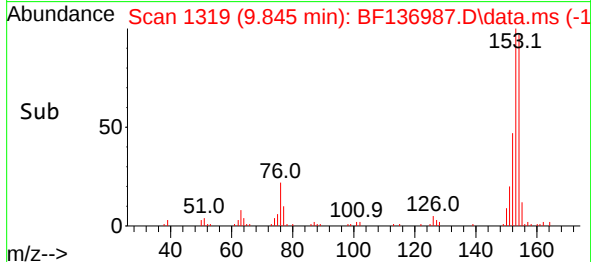
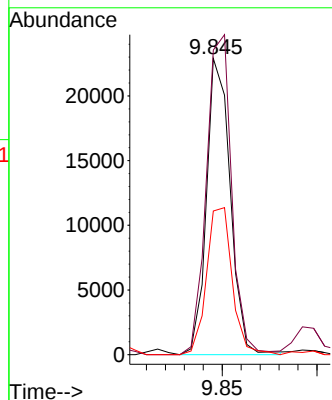
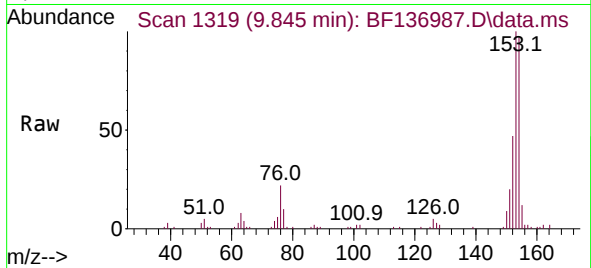




#52
Acenaphthene
Concen: 3.957 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

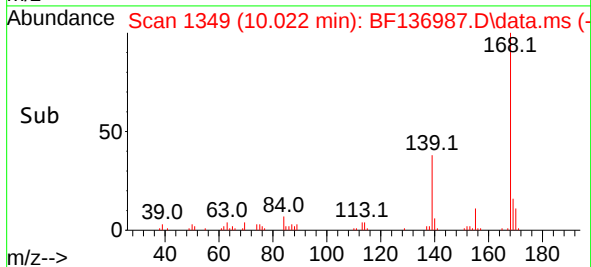
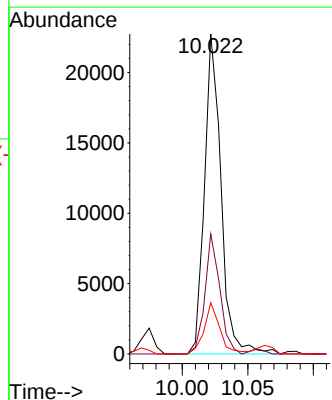
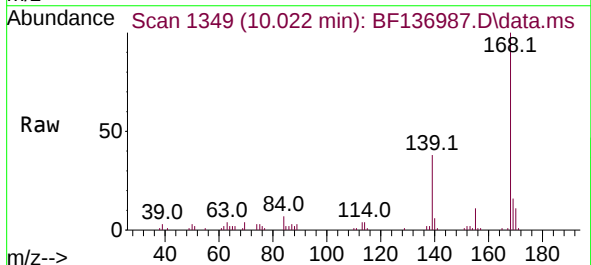
Instrument :
BNA_F
ClientSampleId :
COMP-1

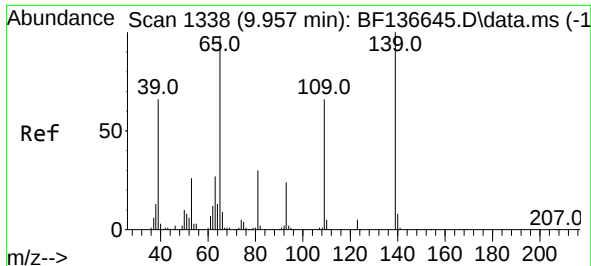
Tgt Ion:154 Resp: 19944
Ion Ratio Lower Upper
154 100
153 102.9 90.7 136.1
152 48.5 43.7 65.5



#55
Dibenzofuran
Concen: 2.619 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

Tgt Ion:168 Resp: 20008
Ion Ratio Lower Upper
168 100
139 37.5 29.3 43.9
169 16.0 11.0 16.4

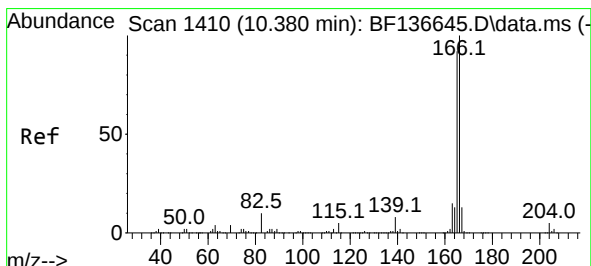
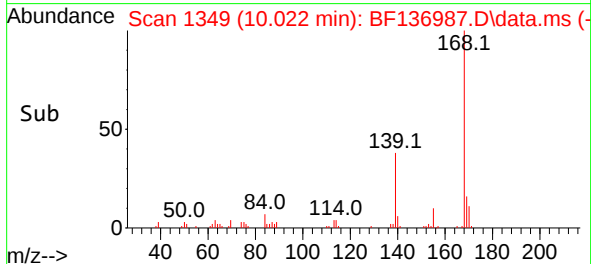
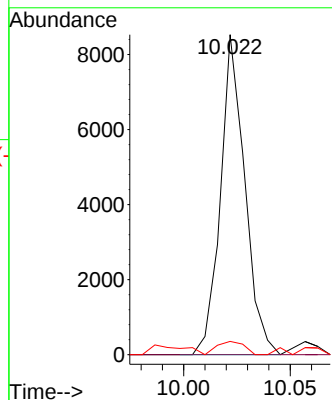
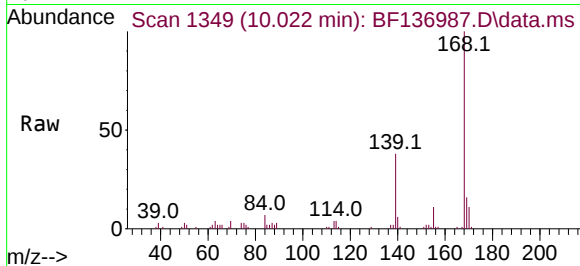




#56
4-Nitrophenol
Concen: 6.848 ng
RT: 10.022 min Scan# 11
Delta R.T. 0.065 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

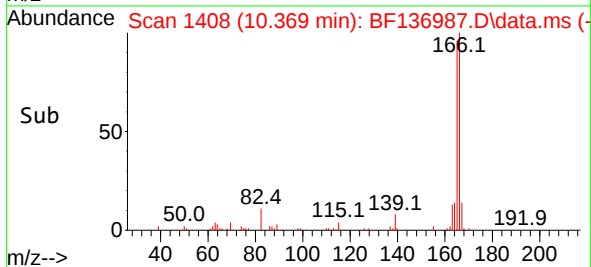
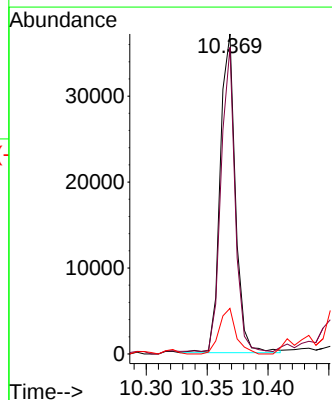
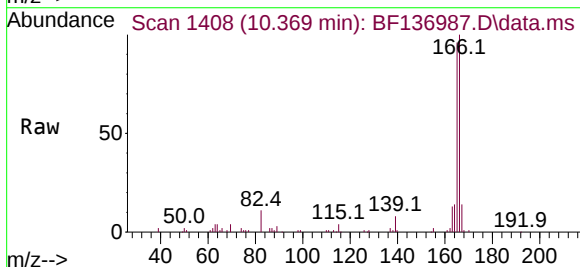
Instrument :
BNA_F
ClientSampleId :
COMP-1

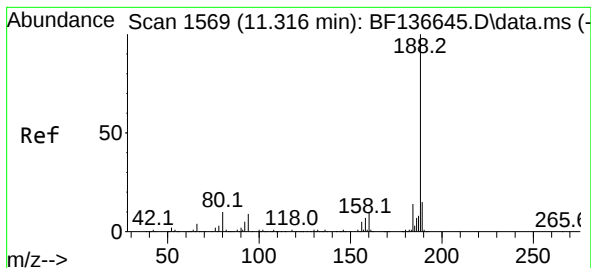
Tgt Ion:139 Resp: 6769
Ion Ratio Lower Upper
139 100
109 0.0 45.8 85.8#
65 4.2 77.8 117.8#



#58
Fluorene
Concen: 5.352 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

Tgt Ion:166 Resp: 32446
Ion Ratio Lower Upper
166 100
165 95.8 73.7 110.5
167 14.3 10.4 15.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1

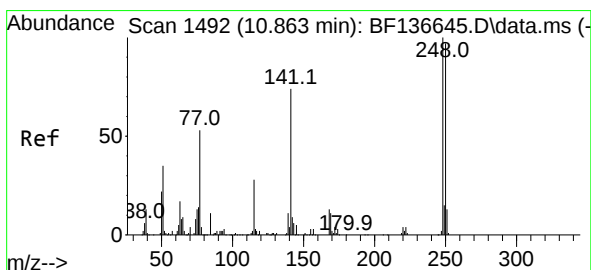
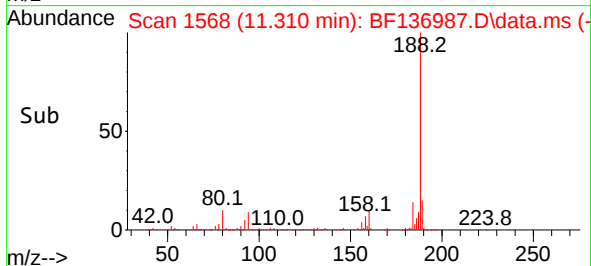
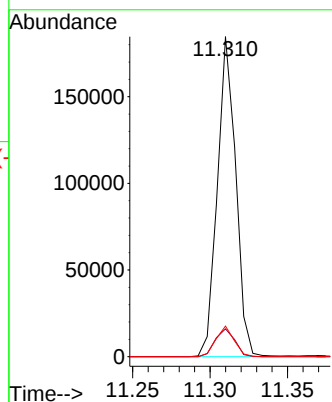
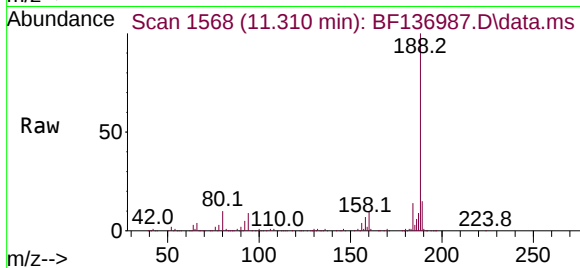
Tgt Ion:188 Resp: 152571

Ion Ratio Lower Upper

188 100

94 8.7 7.5 11.3

80 9.5 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 2.851 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.253 min

Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

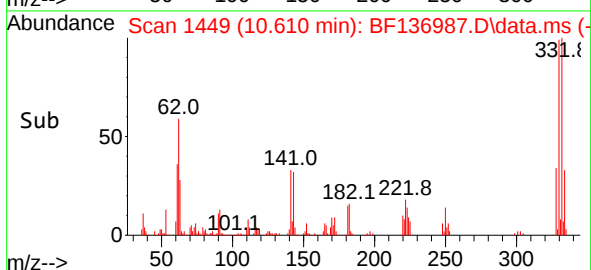
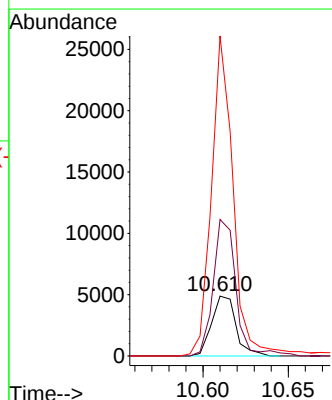
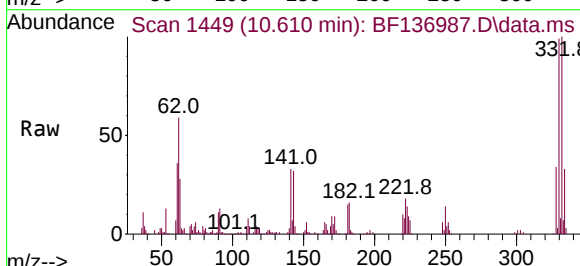
Tgt Ion:248 Resp: 4831

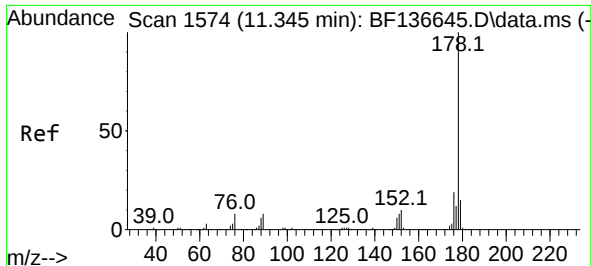
Ion Ratio Lower Upper

248 100

250 228.2 77.8 116.6#

141 534.9 59.2 88.8#

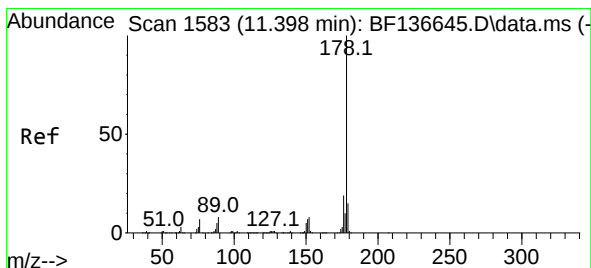
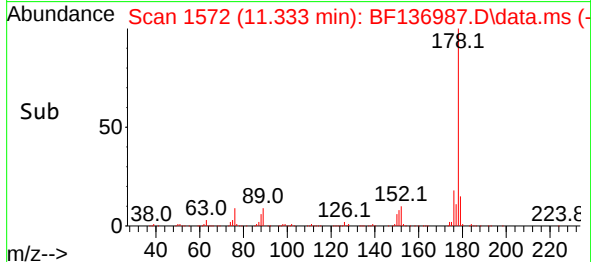
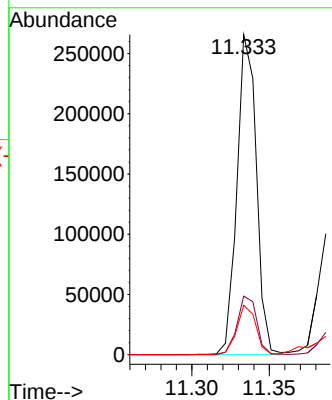
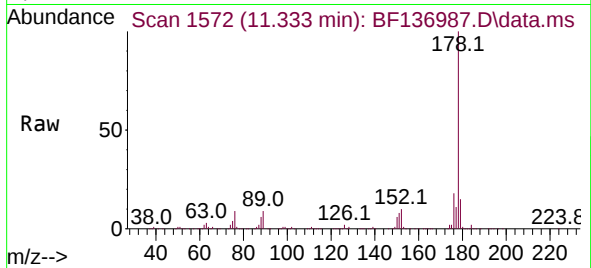




#71
Phenanthrene
Concen: 29.539 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

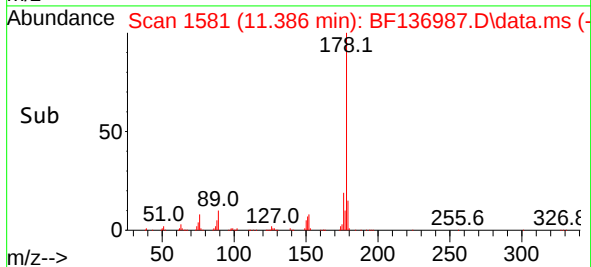
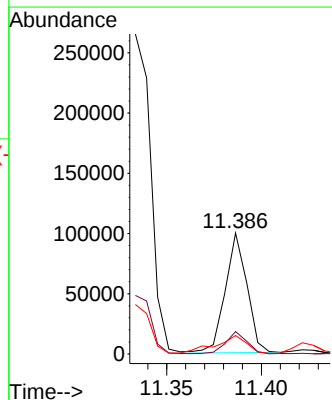
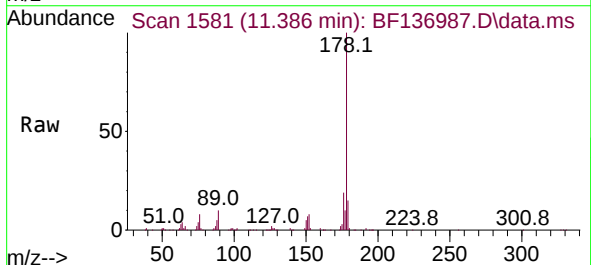
Instrument :
BNA_F
ClientSampleId :
COMP-1

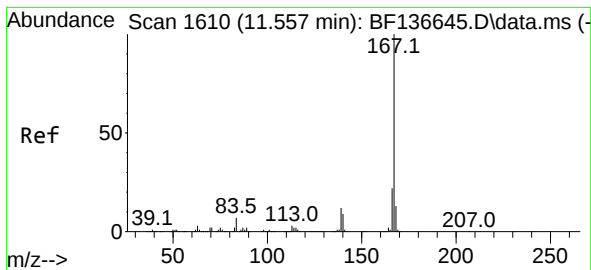
Tgt Ion:178 Resp: 231246
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 15.5 11.9 17.9



#72
Anthracene
Concen: 10.047 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF136987.D
Acq: 05 Jan 2024 21:05

Tgt Ion:178 Resp: 79653
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.3 11.8 17.6





#73

Carbazole

Concen: 3.630 ng

RT: 11.551 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

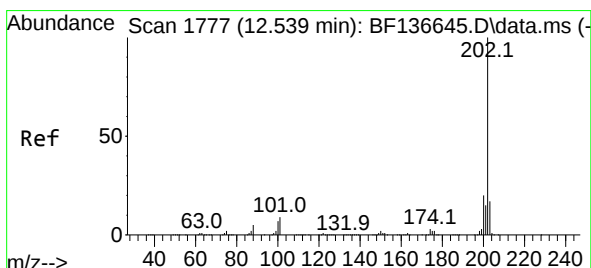
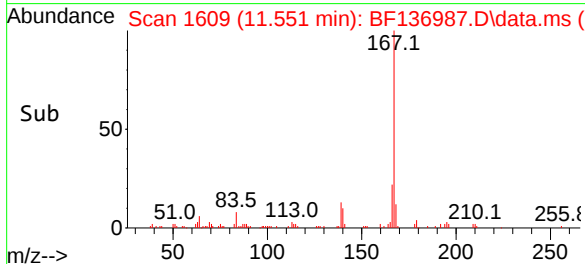
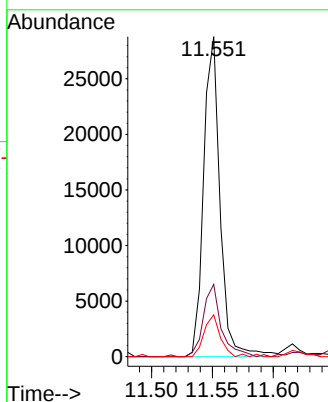
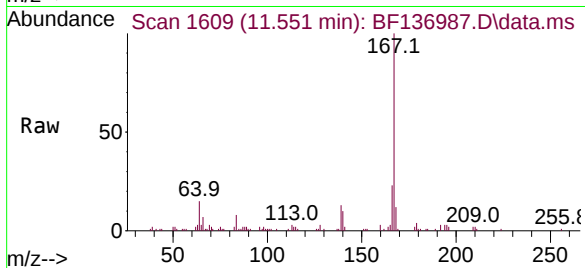
Instrument :

BNA_F

ClientSampleId :

COMP-1

Tgt Ion:167	Resp:	27136
Ion Ratio	Lower	Upper
167	100	
166	22.6	17.3 25.9
139	13.1	9.8 14.6



#75

Fluoranthene

Concen: 30.694 ng

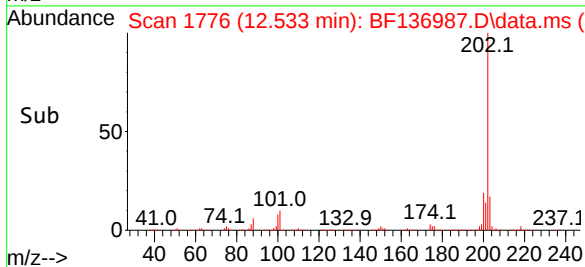
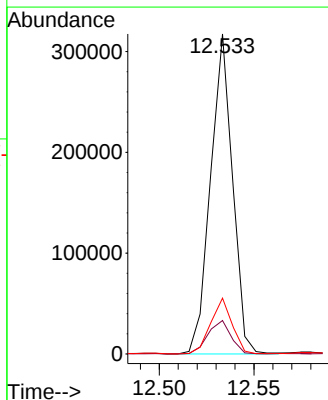
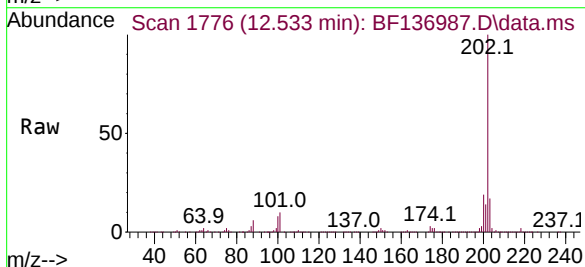
RT: 12.533 min Scan# 1776

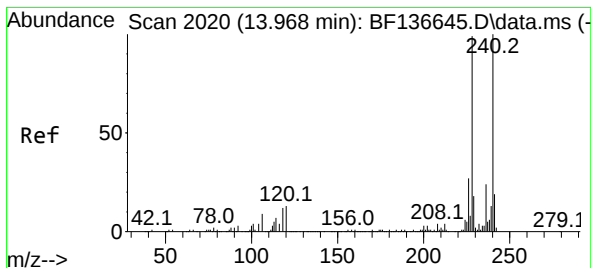
Delta R.T. -0.006 min

Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

Tgt Ion:202	Resp:	257025
Ion Ratio	Lower	Upper
202	100	
101	10.4	0.0 29.3
203	17.5	0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1

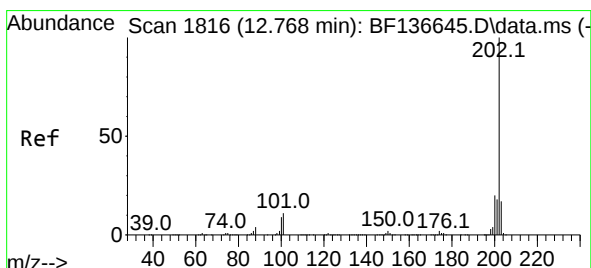
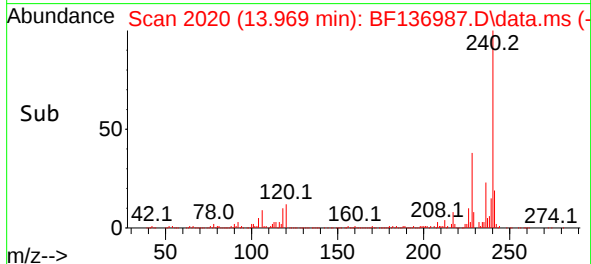
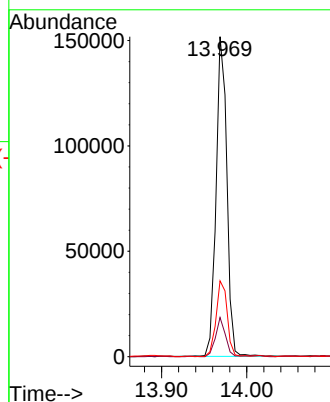
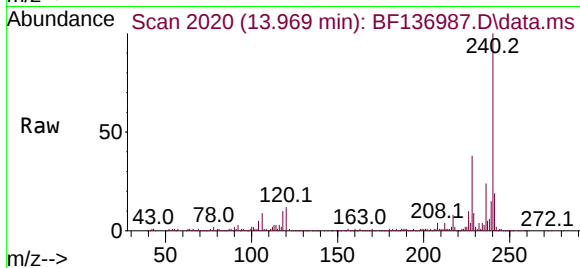
Tgt Ion:240 Resp: 133309

Ion Ratio Lower Upper

240 100

120 12.3 10.3 15.5

236 23.7 19.4 29.2



#78

Pyrene

Concen: 17.380 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

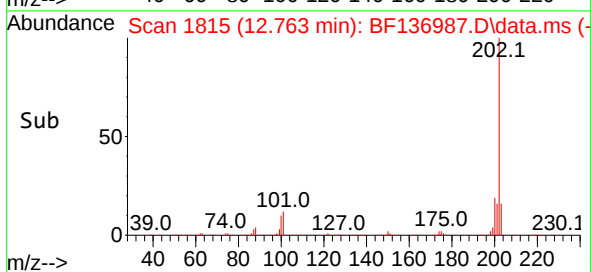
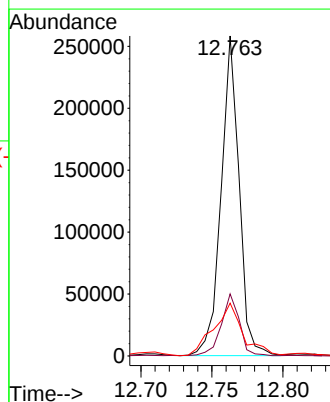
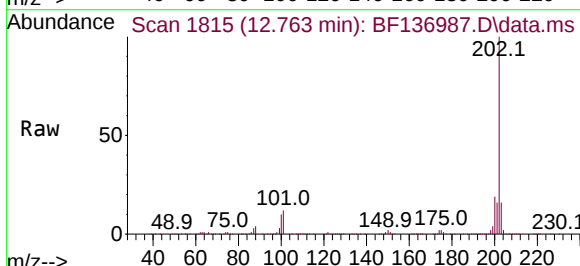
Tgt Ion:202 Resp: 227438

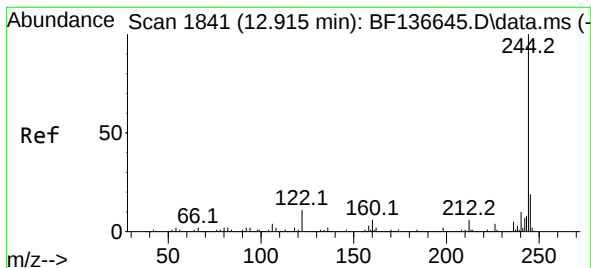
Ion Ratio Lower Upper

202 100

200 19.4 15.9 23.9

203 16.5 13.8 20.6





#79

Terphenyl-d14

Concen: 51.888 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1

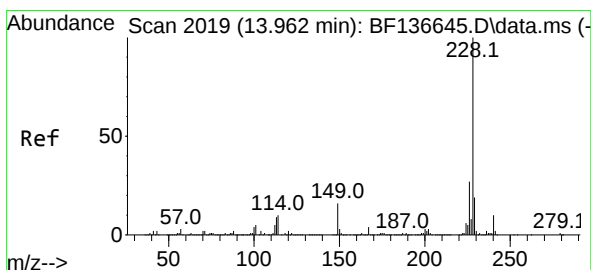
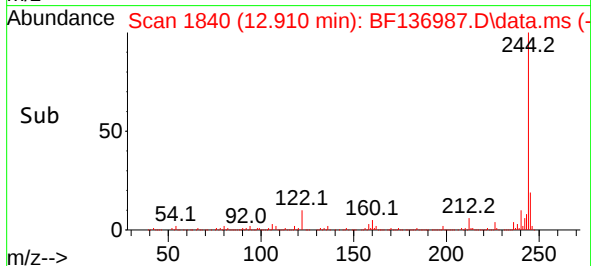
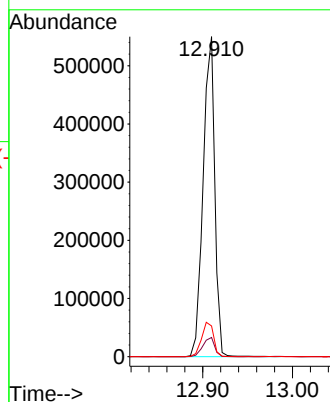
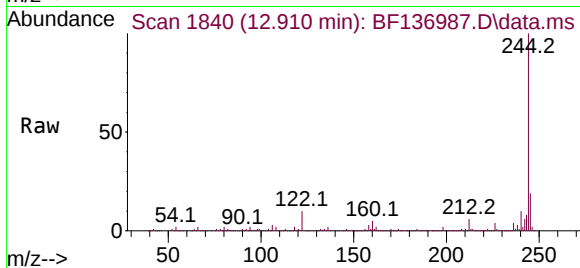
Tgt Ion:244 Resp: 494980

Ion Ratio Lower Upper

244 100

212 6.0 5.0 7.4

122 9.6 9.0 13.4



#81

Benzo(a)anthracene

Concen: 16.206 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

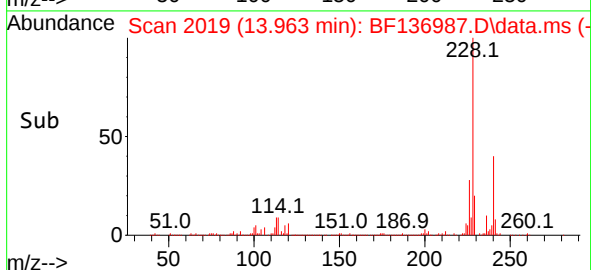
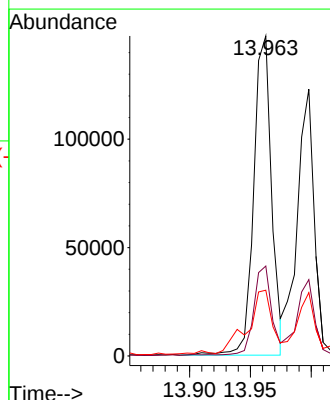
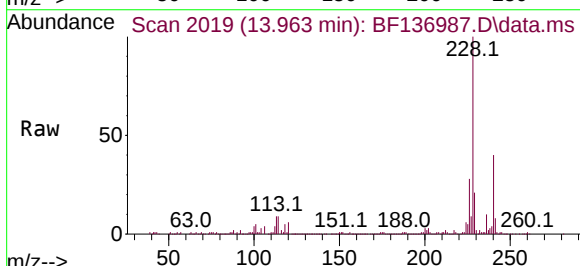
Tgt Ion:228 Resp: 150018

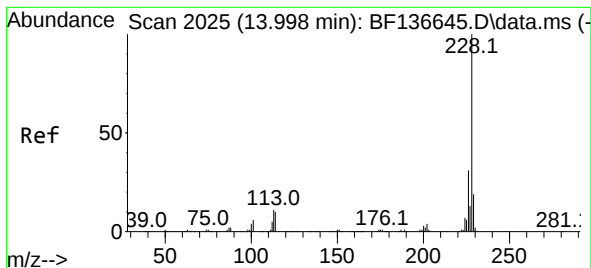
Ion Ratio Lower Upper

228 100

226 28.1 21.4 32.0

229 20.6 14.9 22.3





#83

Chrysene

Concen: 16.573 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.035 min

Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1

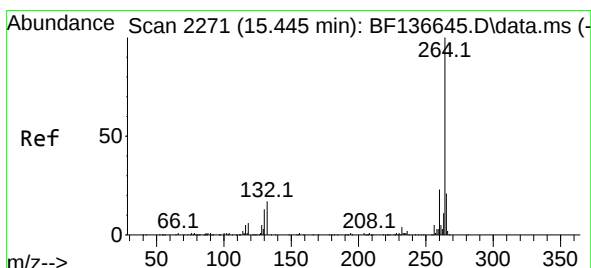
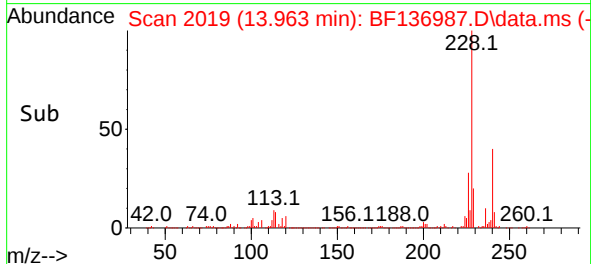
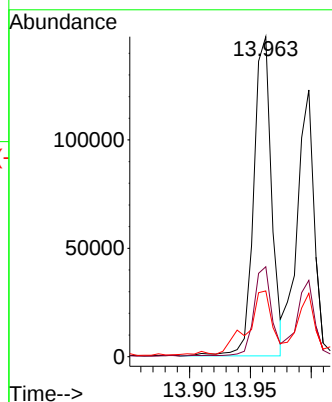
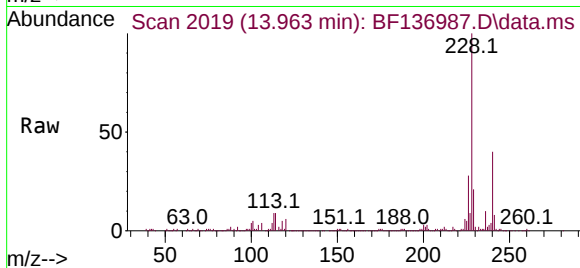
Tgt Ion:228 Resp: 150018

Ion Ratio Lower Upper

228 100

226 28.1 24.7 37.1

229 20.6 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2273

Delta R.T. 0.012 min

Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

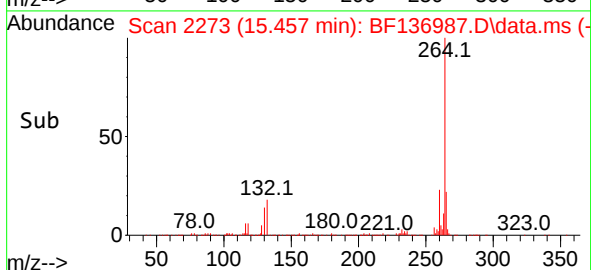
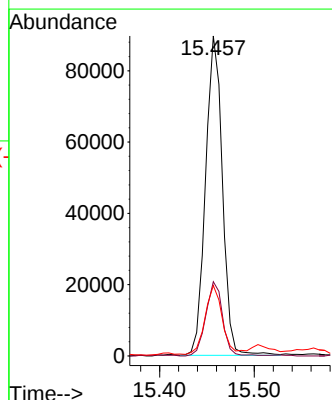
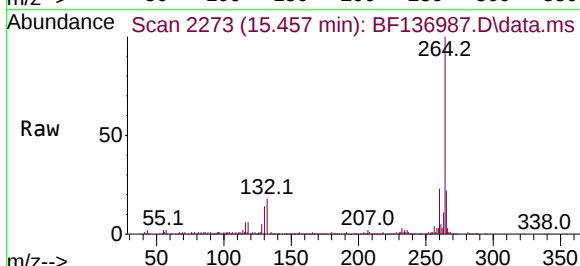
Tgt Ion:264 Resp: 110890

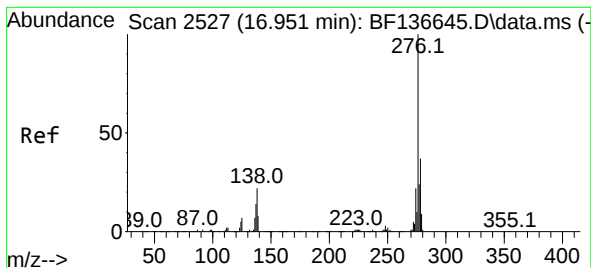
Ion Ratio Lower Upper

264 100

260 23.2 18.3 27.5

265 22.0 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.957 ng

RT: 16.974 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1

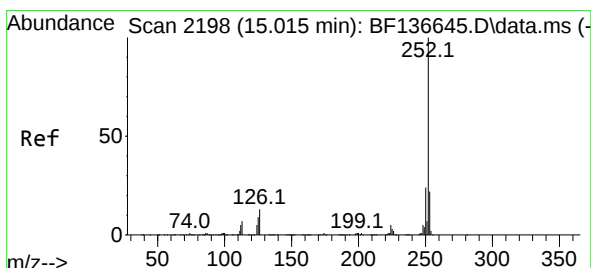
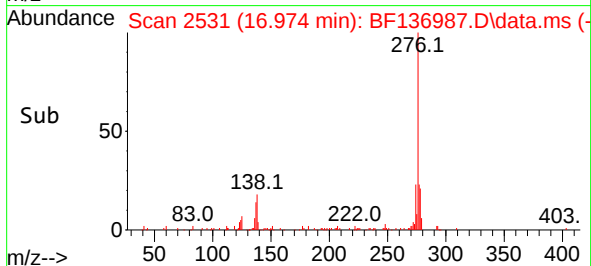
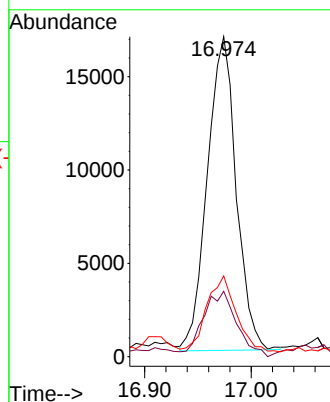
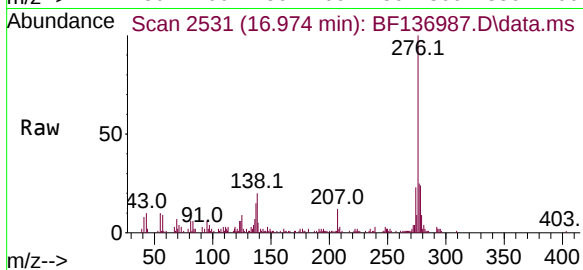
Tgt Ion:276 Resp: 31678

Ion Ratio Lower Upper

276 100

138 24.2 18.7 28.1

277 24.7 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 19.910 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

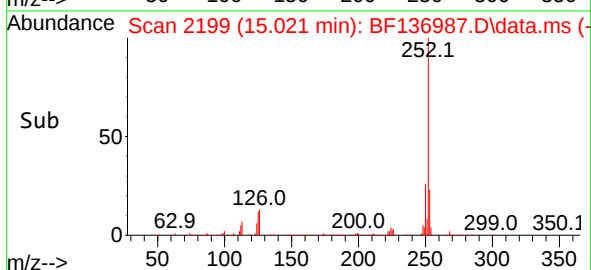
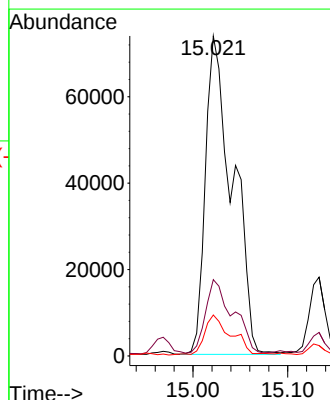
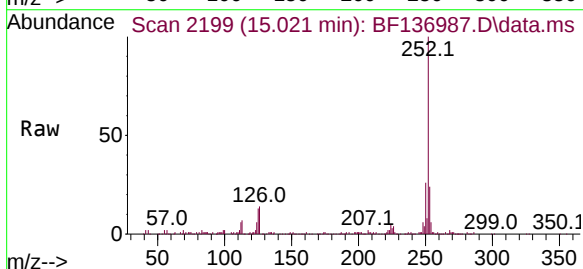
Tgt Ion:252 Resp: 147460

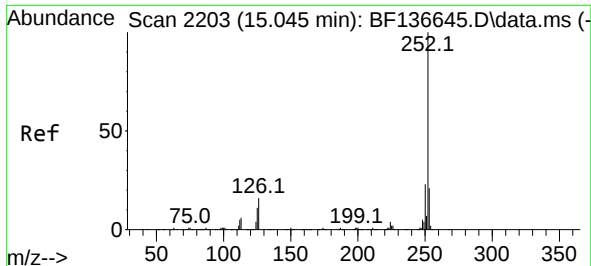
Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.0

125 12.8 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 21.071 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.023 min

Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1

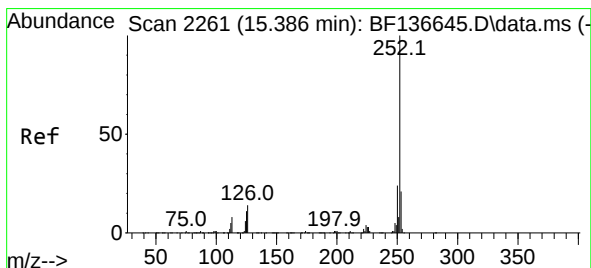
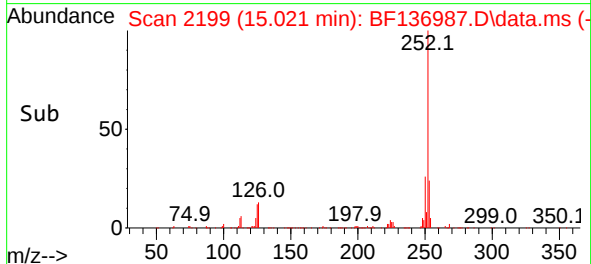
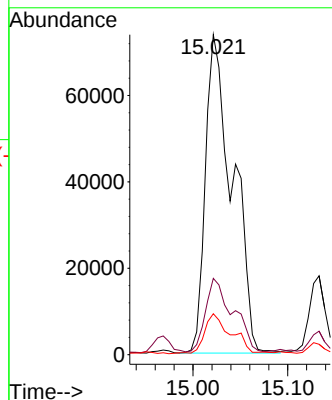
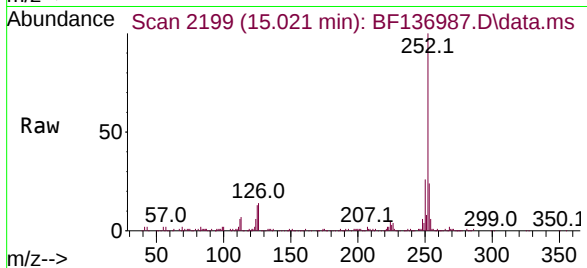
Tgt Ion:252 Resp: 147460

Ion Ratio Lower Upper

252 100

253 23.8 17.0 25.6

125 12.8 8.2 12.4#



#90

Benzo(a)pyrene

Concen: 12.469 ng

RT: 15.392 min Scan# 2262

Delta R.T. 0.006 min

Lab File: BF136987.D

Acq: 05 Jan 2024 21:05

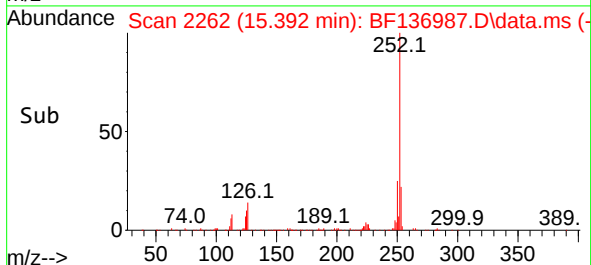
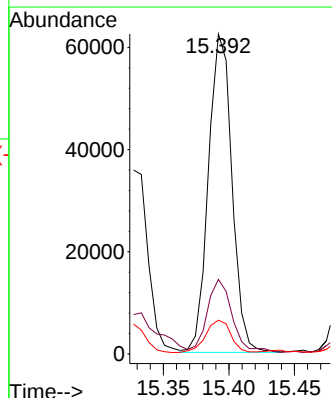
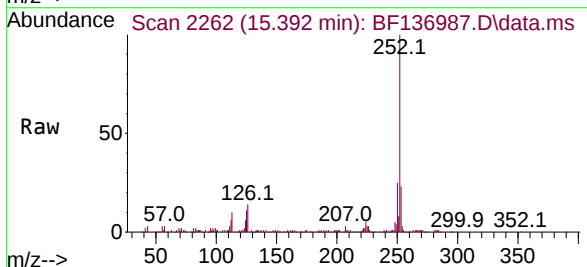
Tgt Ion:252 Resp: 77955

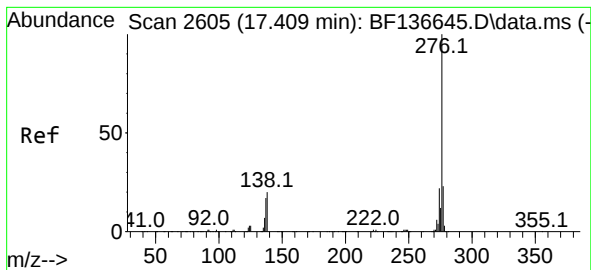
Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

125 10.6 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 3.888 ng

RT: 17.433 min Scan# 2

Delta R.T. 0.024 min

Lab File: BF136987.D

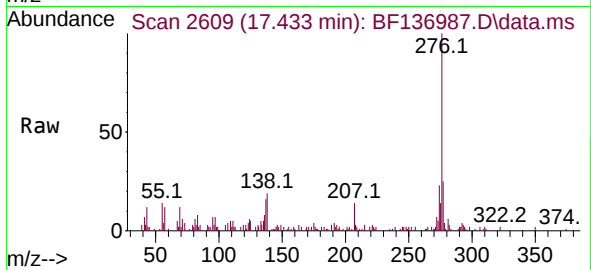
Acq: 05 Jan 2024 21:05

Instrument :

BNA_F

ClientSampleId :

COMP-1



Tgt Ion:276 Resp: 26157

Ion Ratio Lower Upper

276 100

277 24.7 18.3 27.5

138 19.5 15.6 23.4

