

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136982.D
 Acq On : 05 Jan 2024 18:29
 Operator : CG\JU
 Sample : 06015-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-317-0-2

Quant Time: Jan 05 22:51:37 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)

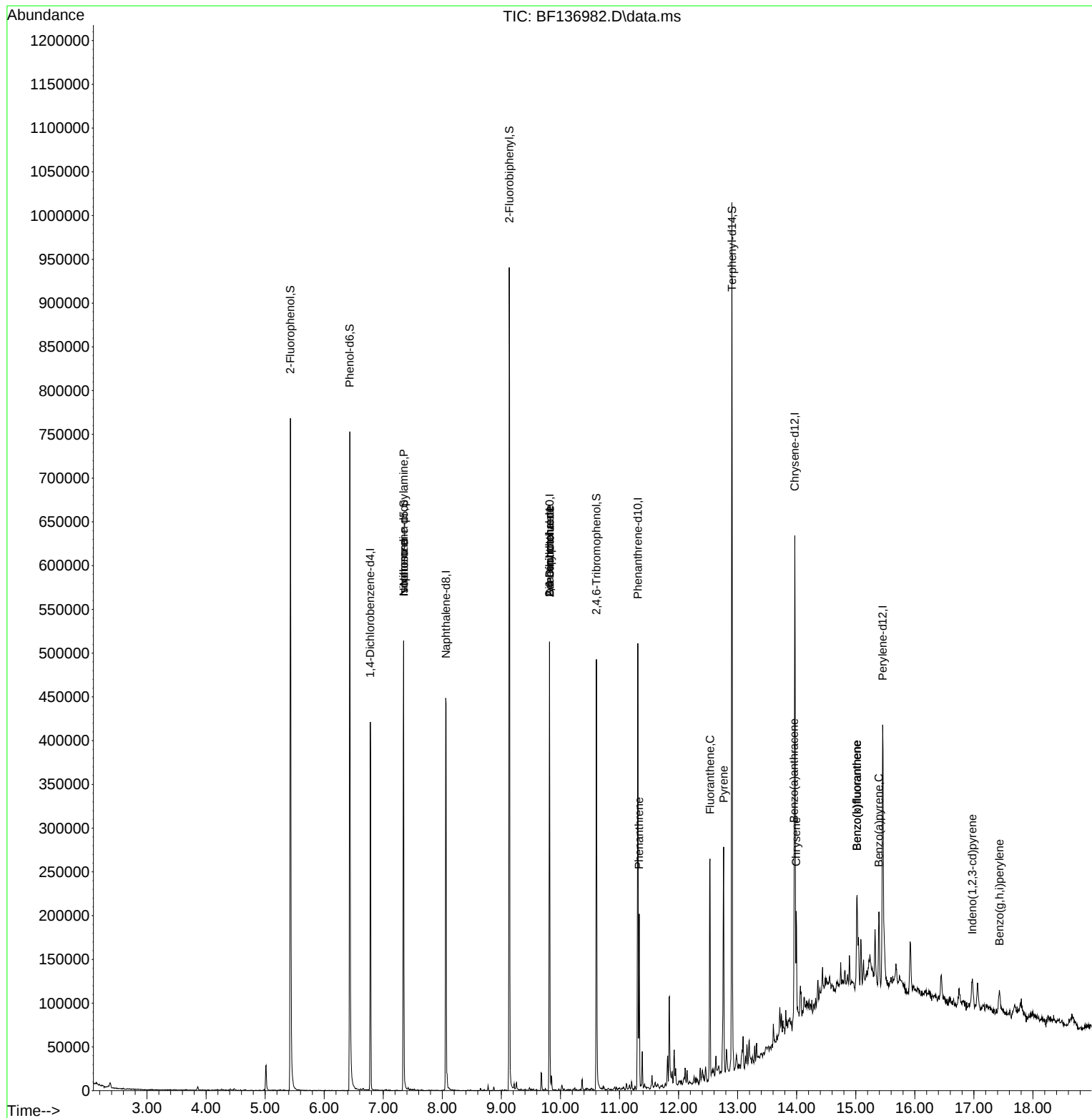
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	63101	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	206995	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	94522	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	175852	20.000	ng	0.00
76) Chrysene-d12	13.968	240	166056	20.000	ng	0.00
86) Perylene-d12	15.457	264	144439	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	211236	52.232	ng	0.00
7) Phenol-d6	6.434	99	248458	47.413	ng	0.00
23) Nitrobenzene-d5	7.345	82	149454	36.946	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	60772	54.592	ng	-0.01
45) 2-Fluorobiphenyl	9.134	172	298341	42.452	ng	-0.02
79) Terphenyl-d14	12.904	244	329967	27.769	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	18856	5.936	ng	# 76
25) Isophorone	7.345	82	149453	20.304	ng	# 65
50) Dimethylphthalate	9.816	163	17700	2.564	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	12420	7.926	ng	# 29
57) 2,4-Dinitrotoluene	9.816	165	12420	6.106	ng	# 20
71) Phenanthrene	11.333	178	65909	7.304	ng	98
75) Fluoranthene	12.533	202	107784	11.167	ng	98
78) Pyrene	12.763	202	104497	6.410	ng	99
81) Benzo(a)anthracene	13.957	228	55089	4.778	ng	93
83) Chrysene	13.992	228	51456	4.563	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	21914	2.101	ng	99
88) Benzo(b)fluoranthene	15.021	252	78359	8.122	ng	98
89) Benzo(k)fluoranthene	15.021	252	78359	8.596	ng	99
90) Benzo(a)pyrene	15.392	252	39146	4.807	ng	# 95
92) Benzo(g,h,i)perylene	17.433	276	21726	2.479	ng	96

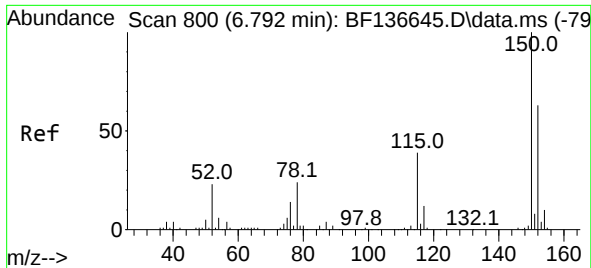
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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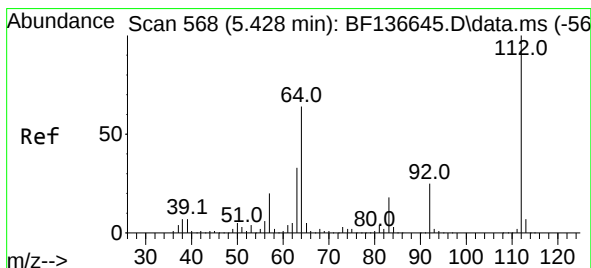
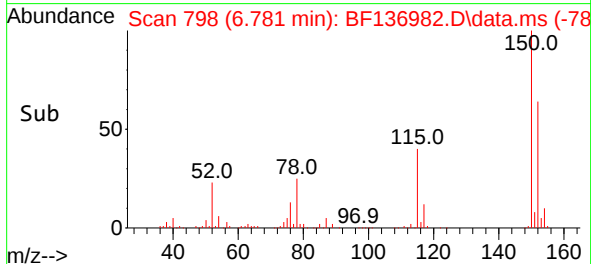
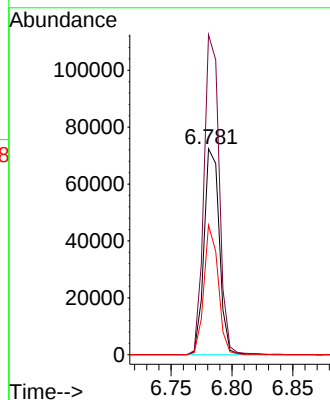
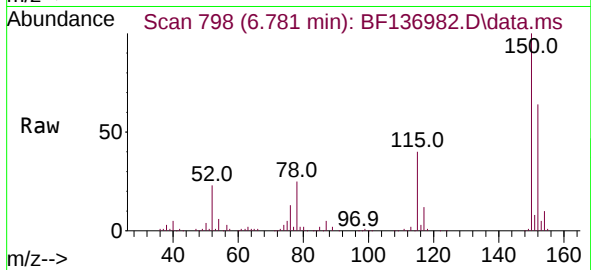




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136982.D
Acq: 05 Jan 2024 18:29

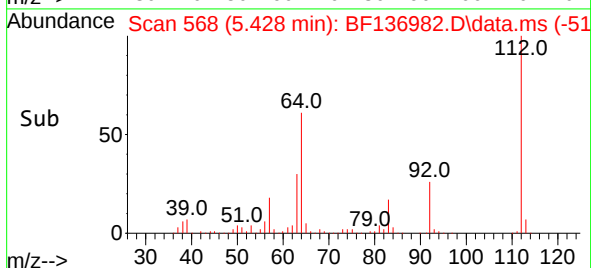
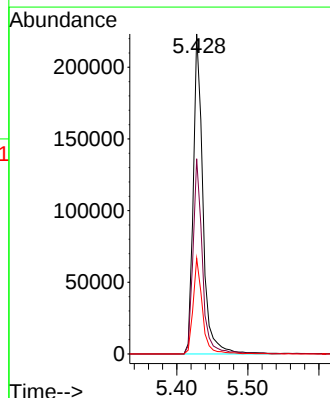
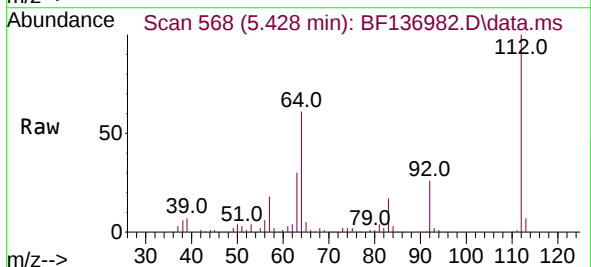
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2

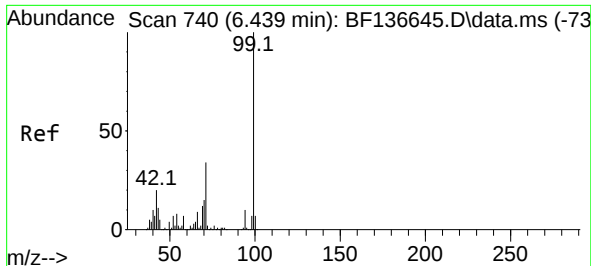
Tgt Ion:152 Resp: 63101
Ion Ratio Lower Upper
152 100
150 155.4 127.0 190.6
115 62.9 49.0 73.4



#5
2-Fluorophenol
Concen: 52.232 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136982.D
Acq: 05 Jan 2024 18:29

Tgt Ion:112 Resp: 211236
Ion Ratio Lower Upper
112 100
64 61.0 51.1 76.7
63 29.9 26.1 39.1

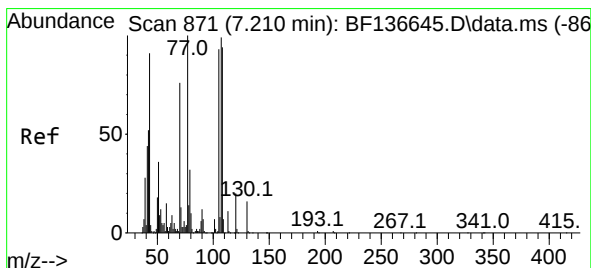
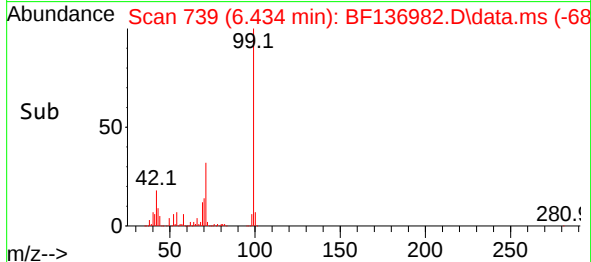
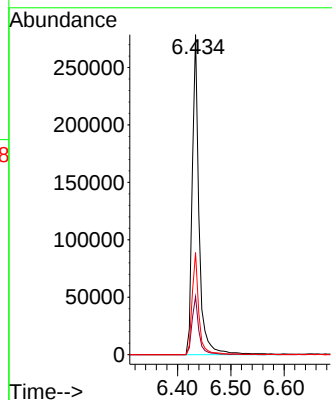
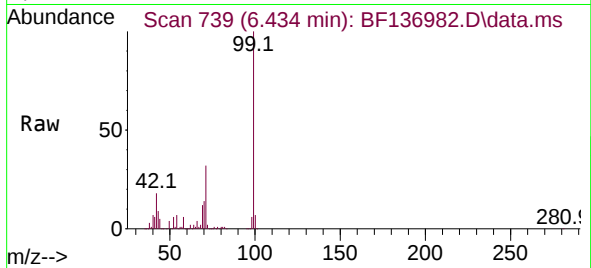




#7
Phenol-d6
Concen: 47.413 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136982.D
Acq: 05 Jan 2024 18:29

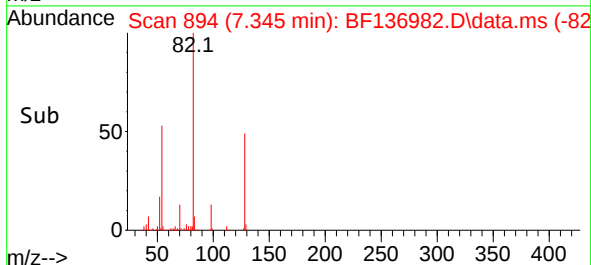
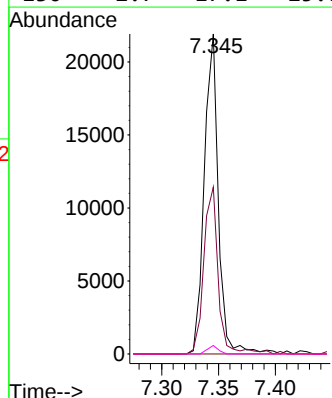
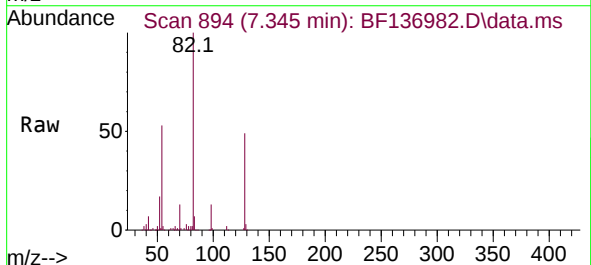
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2

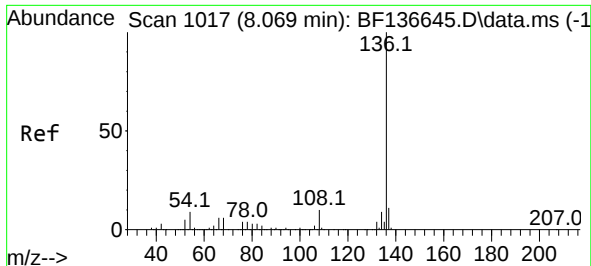
Tgt Ion: 99 Resp: 248458
Ion Ratio Lower Upper
99 100
42 18.1 16.1 24.1
71 31.9 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 5.936 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136982.D
Acq: 05 Jan 2024 18:29

Tgt Ion: 70 Resp: 18856
Ion Ratio Lower Upper
70 100
42 52.2 54.2 81.4#
101 0.0 7.6 11.4#
130 2.7 17.1 25.7#



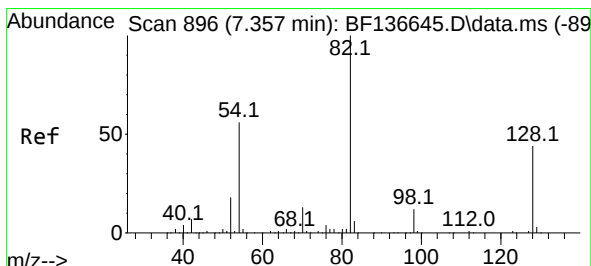
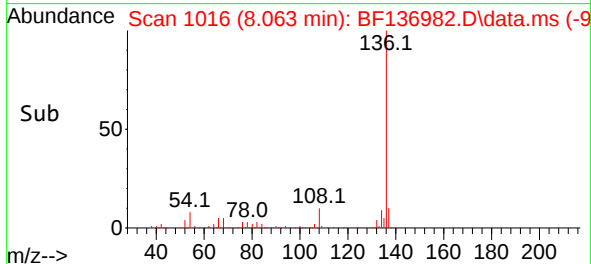
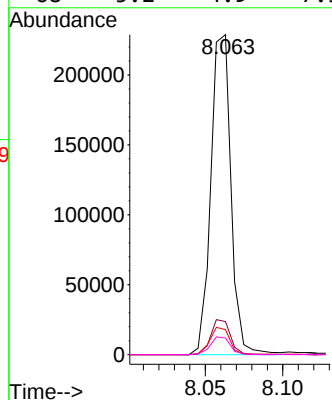
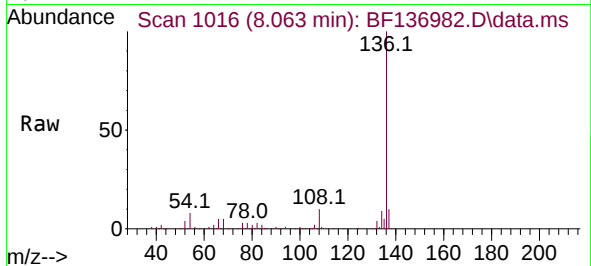


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136982.D
Acq: 05 Jan 2024 18:29

Instrument :
BNA_F
ClientSampleId :
MR-317-0-2

Tgt Ion:136 Resp: 206995

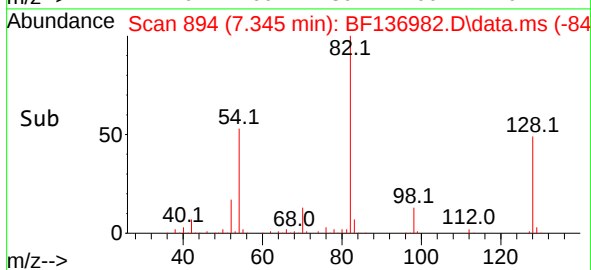
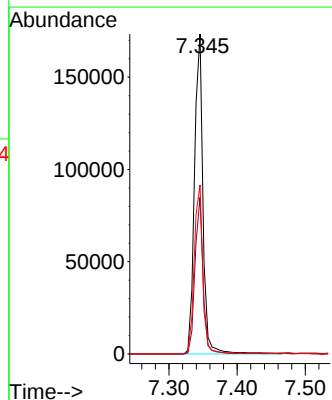
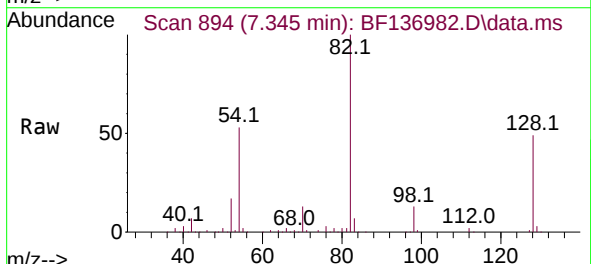
Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.0	13.4
54	7.8	7.2	10.8
68	5.2	4.9	7.3

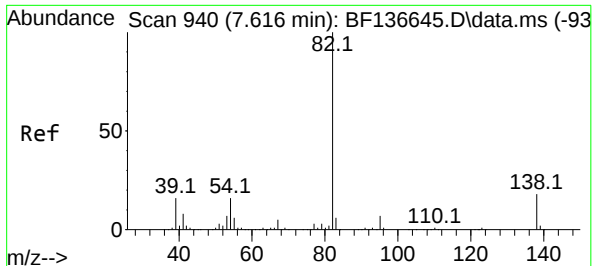


#23
Nitrobenzene-d5
Concen: 36.946 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136982.D
Acq: 05 Jan 2024 18:29

Tgt Ion: 82 Resp: 149454

Ion	Ratio	Lower	Upper
82	100		
128	49.0	35.3	52.9
54	52.8	44.5	66.7

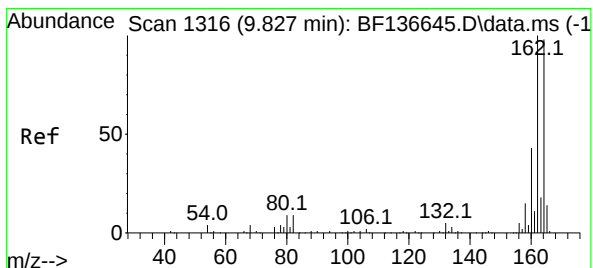
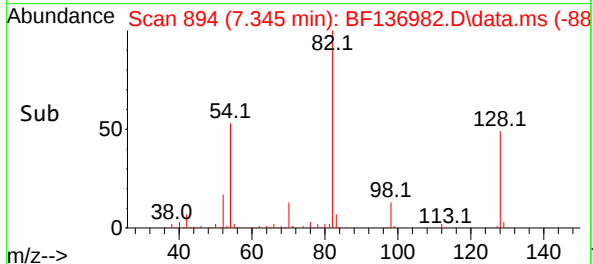
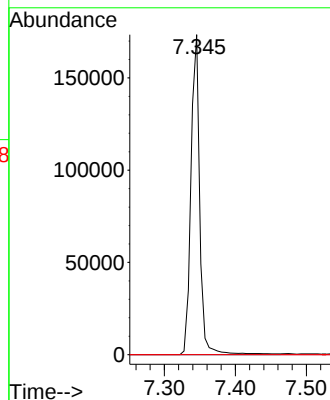
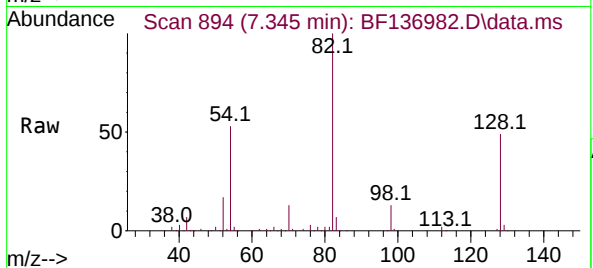




#25
Isophorone
Concen: 20.304 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136982.D
Acq: 05 Jan 2024 18:29

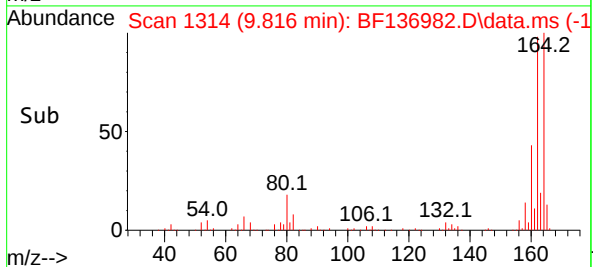
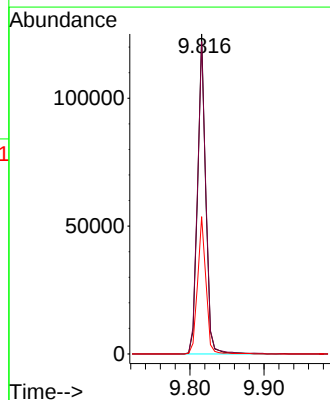
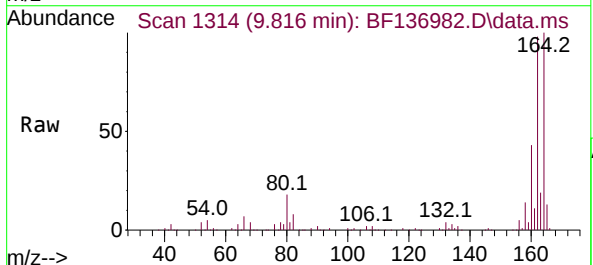
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2

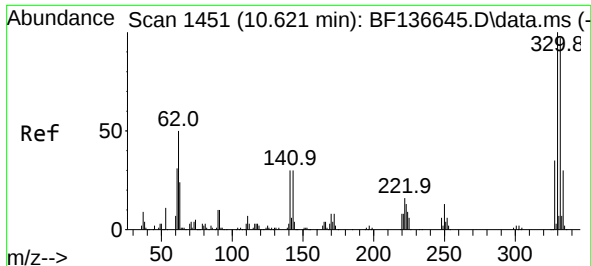
Tgt Ion: 82 Resp: 149453
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136982.D
Acq: 05 Jan 2024 18:29

Tgt Ion:164 Resp: 94522
Ion Ratio Lower Upper
164 100
162 97.6 81.6 122.4
160 42.9 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 54.592 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136982.D

Acq: 05 Jan 2024 18:29

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2

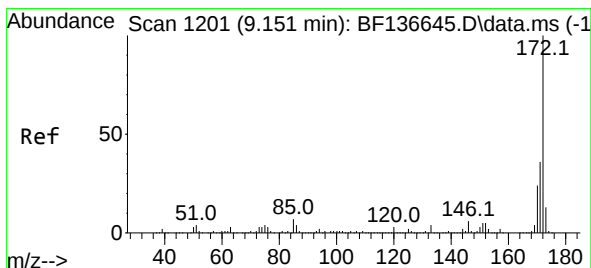
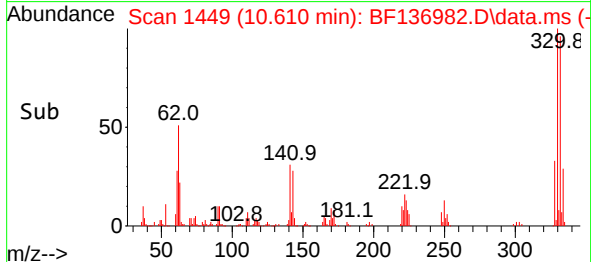
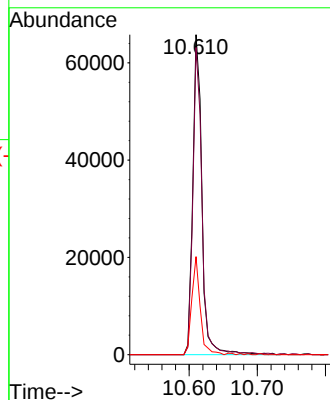
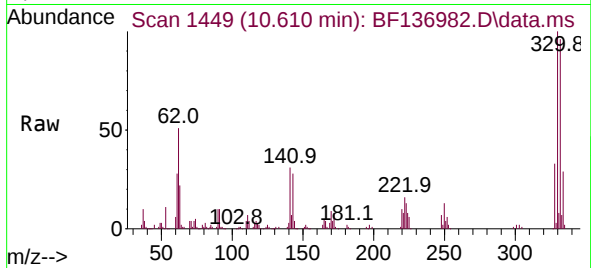
Tgt Ion:330 Resp: 60772

Ion Ratio Lower Upper

330 100

332 95.7 77.4 116.0

141 28.2 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 42.452 ng

RT: 9.134 min Scan# 1198

Delta R.T. -0.017 min

Lab File: BF136982.D

Acq: 05 Jan 2024 18:29

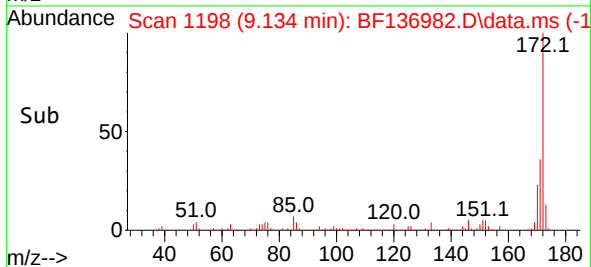
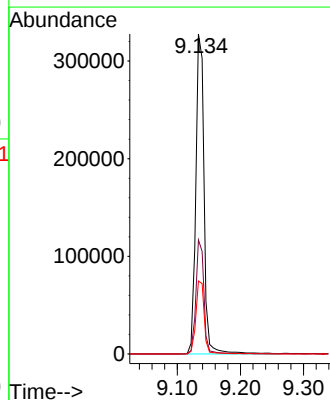
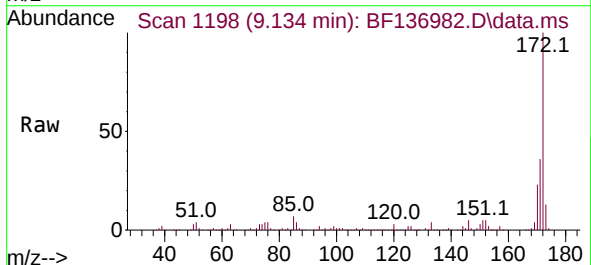
Tgt Ion:172 Resp: 298341

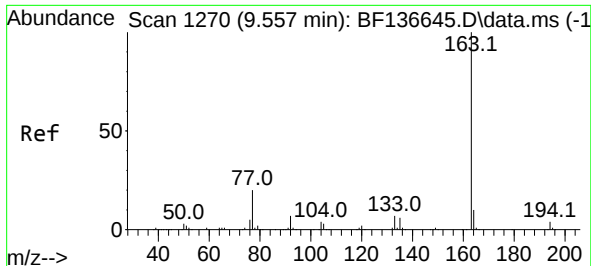
Ion Ratio Lower Upper

172 100

171 35.6 29.0 43.6

170 22.8 19.0 28.4

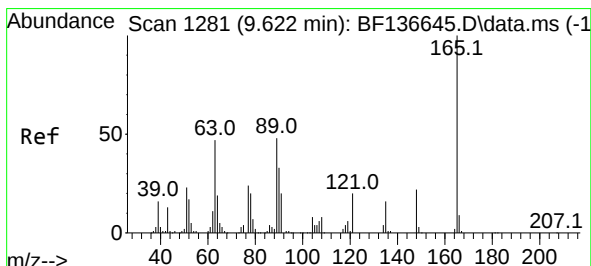
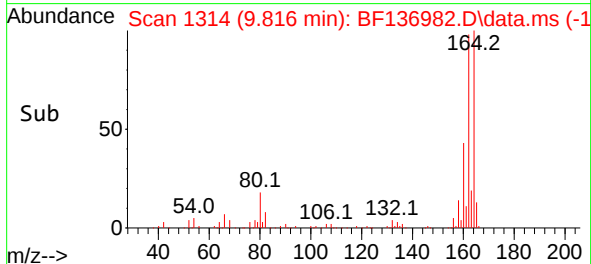
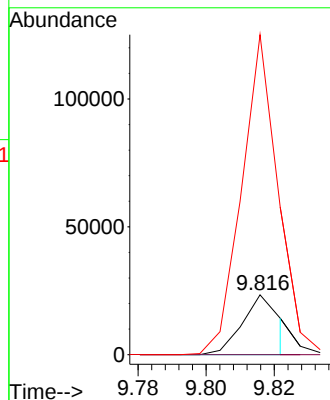
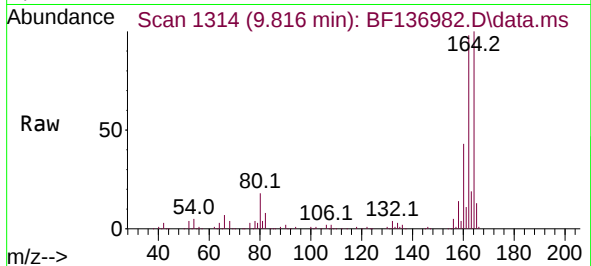




#50
Dimethylphthalate
Concen: 2.564 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136982.D
Acq: 05 Jan 2024 18:29

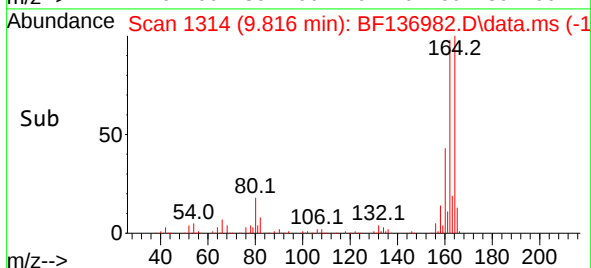
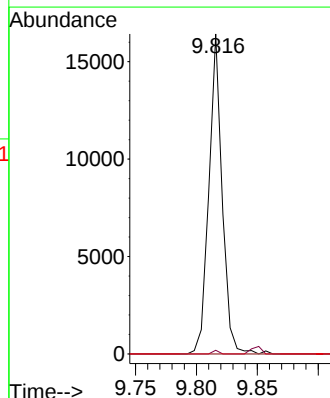
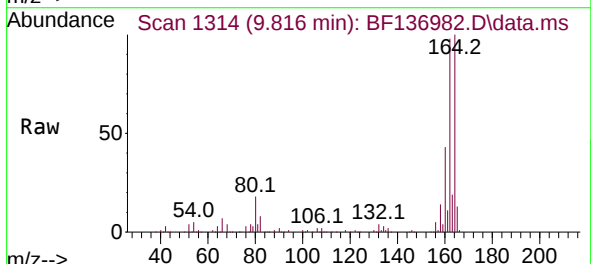
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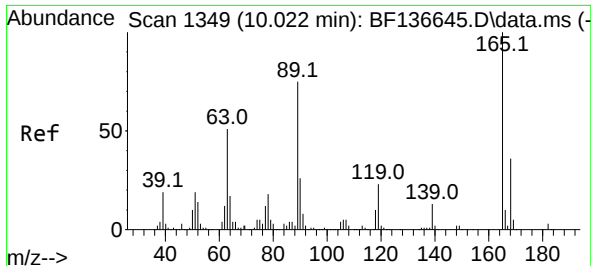
Tgt Ion:163 Resp: 17700
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 534.8 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.926 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136982.D
Acq: 05 Jan 2024 18:29

Tgt Ion:165 Resp: 12420
Ion Ratio Lower Upper
165 100
63 1.1 39.8 59.6#
89 0.0 38.8 58.2#

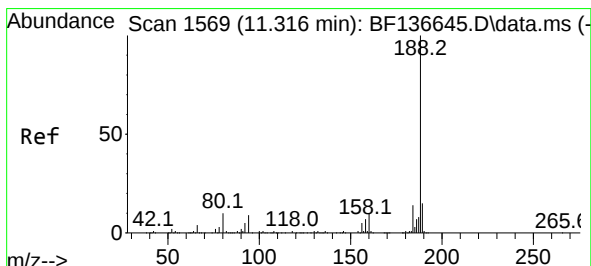
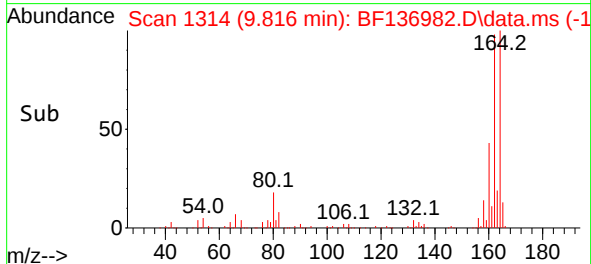
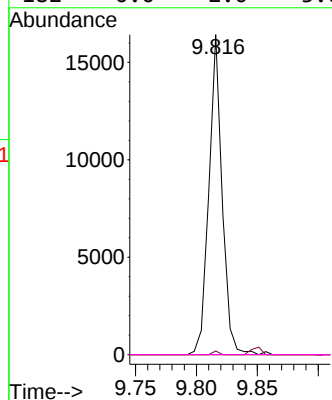
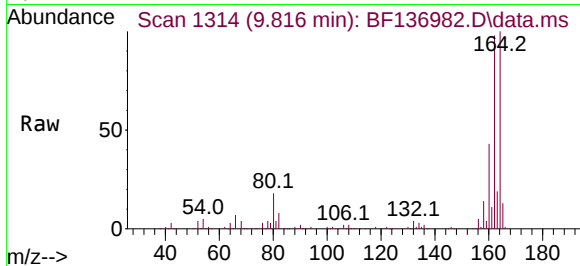




#57
2,4-Dinitrotoluene
Concen: 6.106 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136982.D
Acq: 05 Jan 2024 18:29

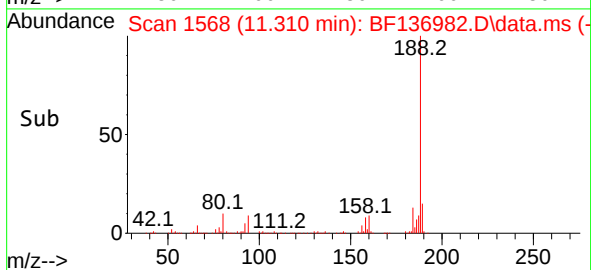
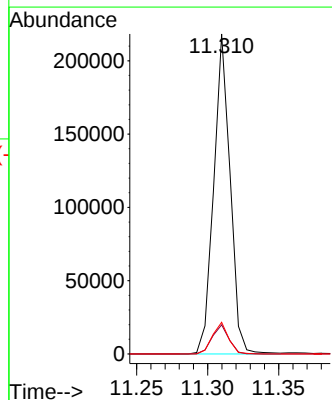
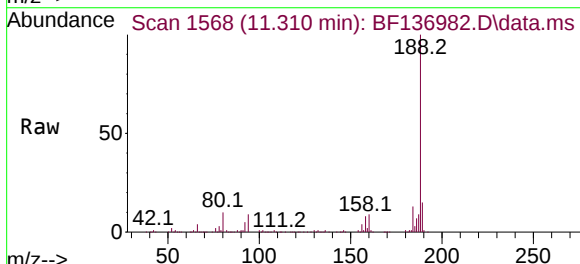
Instrument :
BNA_F
ClientSampleId :
MR-317-0-2

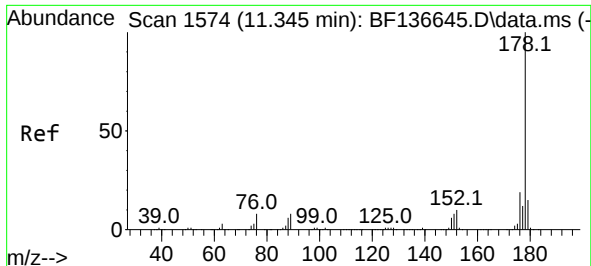
Tgt Ion:165	Resp:	12420
Ion Ratio	Lower	Upper
165	100	
63	1.1	41.0 61.6#
89	0.0	59.9 89.9#
182	0.0	2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136982.D
Acq: 05 Jan 2024 18:29

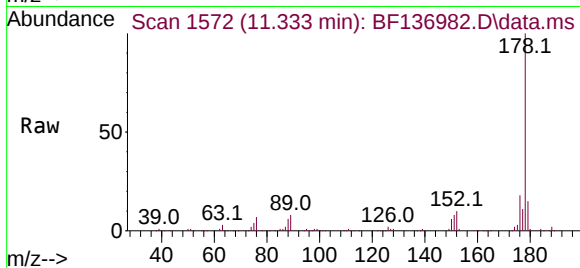
Tgt Ion:188	Resp:	175852
Ion Ratio	Lower	Upper
188	100	
94	9.1	7.5 11.3
80	9.9	8.1 12.1



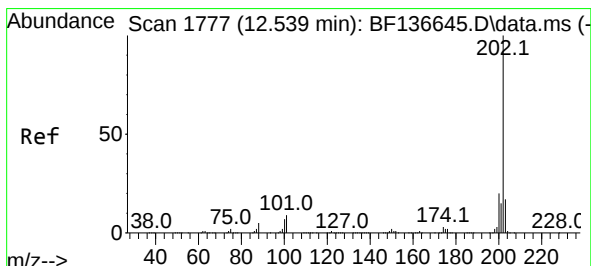
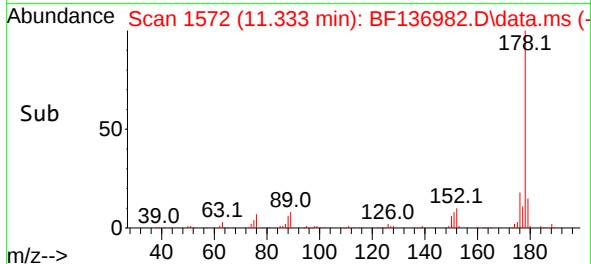
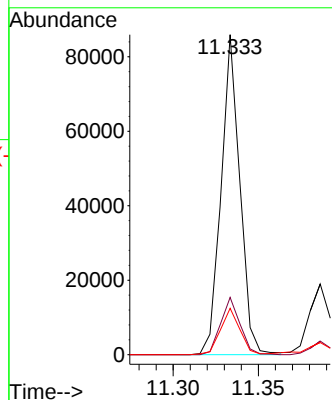


#71
Phenanthrene
Concen: 7.304 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136982.D
Acq: 05 Jan 2024 18:29

Instrument :
BNA_F
ClientSampleId :
MR-317-0-2

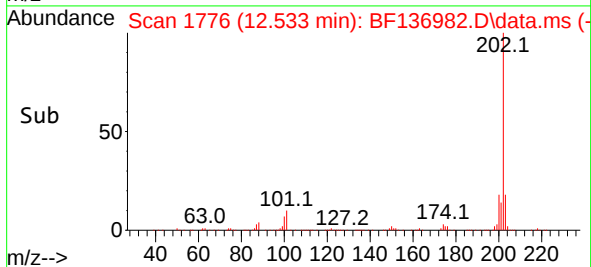
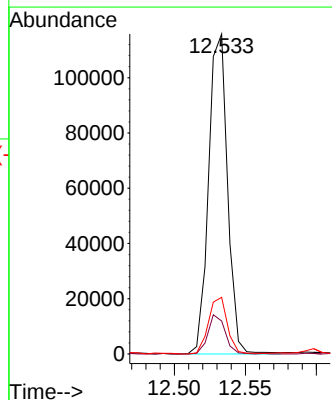
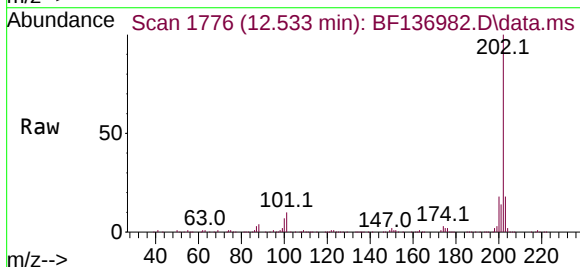


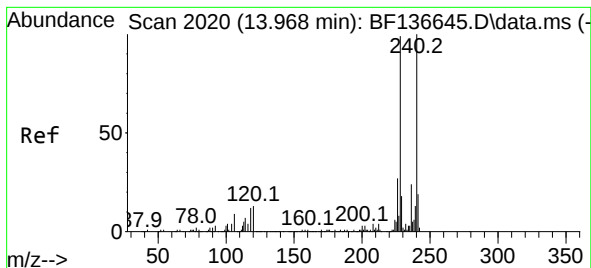
Tgt Ion:178 Resp: 65909
Ion Ratio Lower Upper
178 100
176 17.9 15.3 22.9
179 14.5 11.9 17.9



#75
Fluoranthene
Concen: 11.167 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF136982.D
Acq: 05 Jan 2024 18:29

Tgt Ion:202 Resp: 107784
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.3
203 17.7 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: BF136982.D

Acq: 05 Jan 2024 18:29

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2

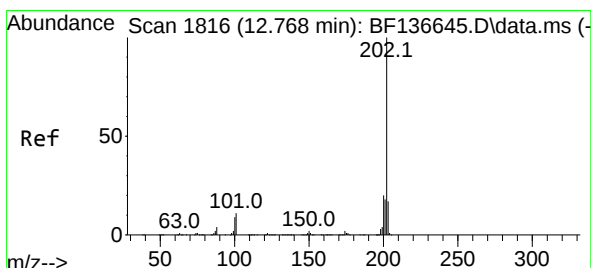
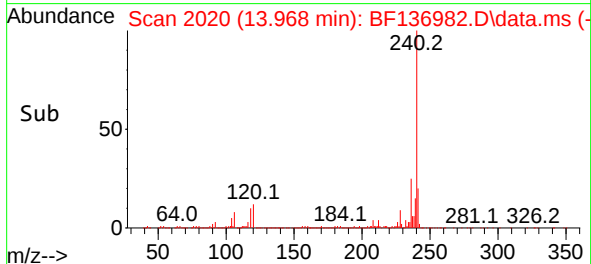
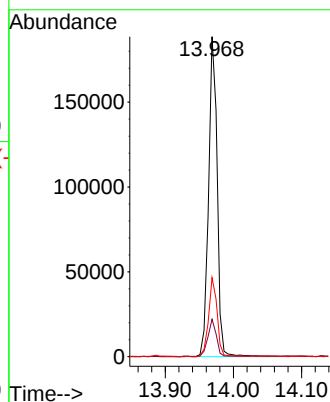
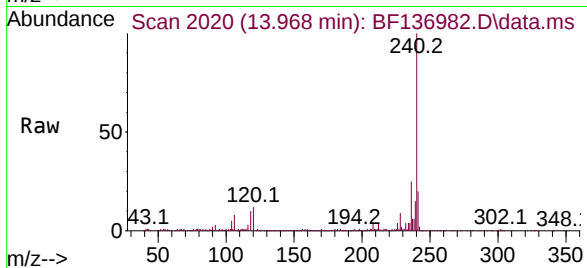
Tgt Ion:240 Resp: 166056

Ion Ratio Lower Upper

240 100

120 11.7 10.3 15.5

236 24.7 19.4 29.2



#78

Pyrene

Concen: 6.410 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF136982.D

Acq: 05 Jan 2024 18:29

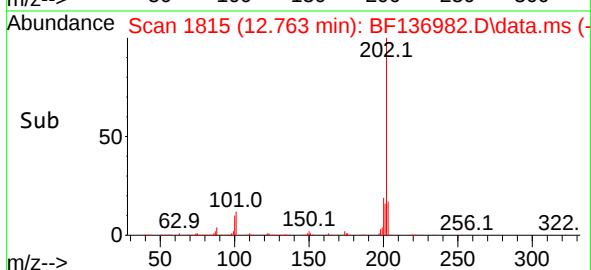
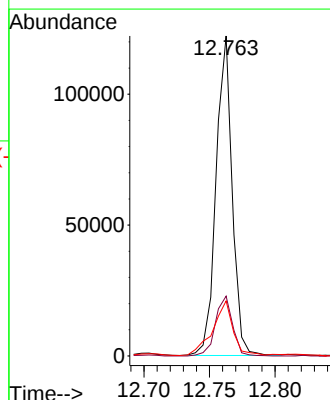
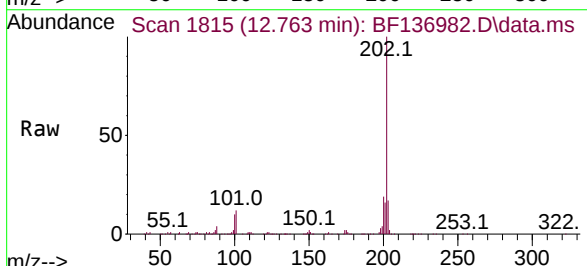
Tgt Ion:202 Resp: 104497

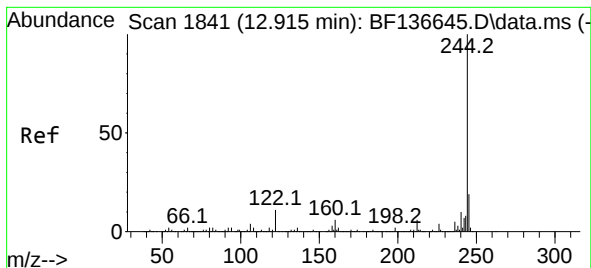
Ion Ratio Lower Upper

202 100

200 18.7 15.9 23.9

203 17.2 13.8 20.6





#79

Terphenyl-d14

Concen: 27.769 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136982.D

Acq: 05 Jan 2024 18:29

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2

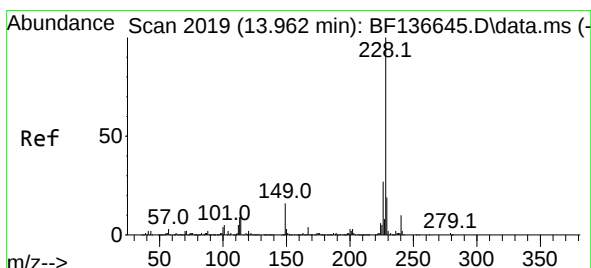
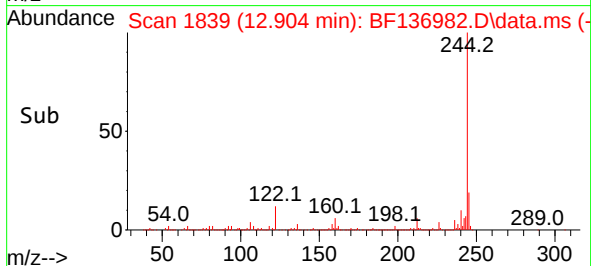
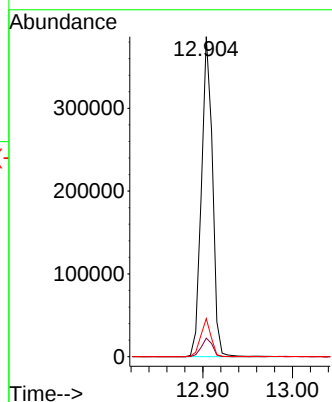
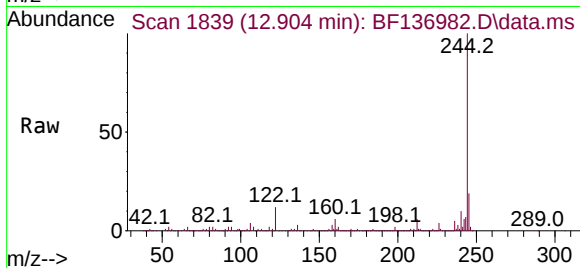
Tgt Ion:244 Resp: 329967

Ion Ratio Lower Upper

244 100

212 5.8 5.0 7.4

122 11.9 9.0 13.4



#81

Benzo(a)anthracene

Concen: 4.778 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF136982.D

Acq: 05 Jan 2024 18:29

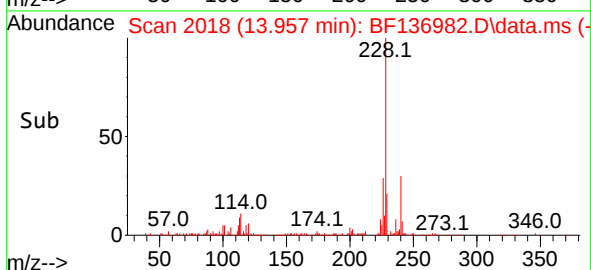
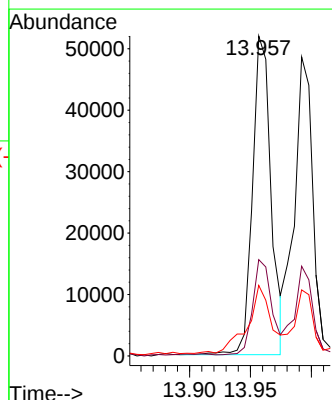
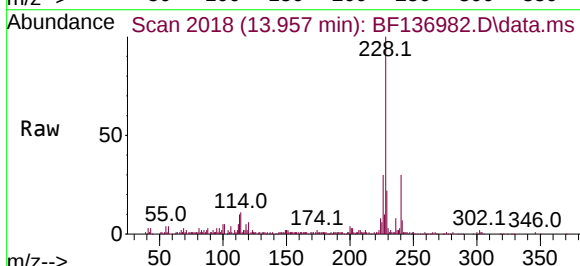
Tgt Ion:228 Resp: 55089

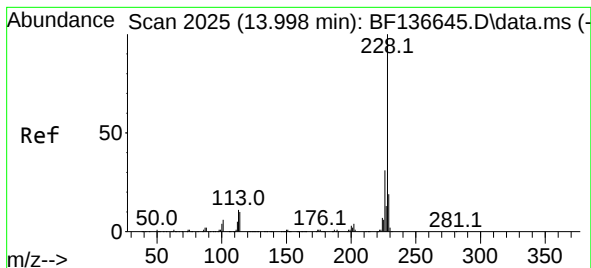
Ion Ratio Lower Upper

228 100

226 30.1 21.4 32.0

229 22.1 14.9 22.3





#83

Chrysene

Concen: 4.563 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136982.D

Acq: 05 Jan 2024 18:29

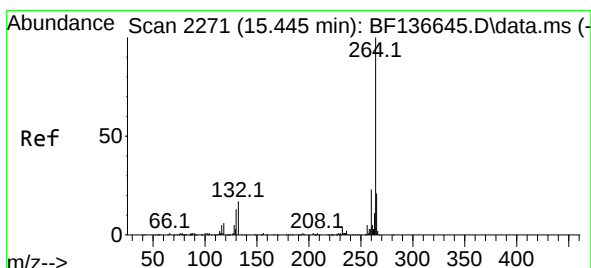
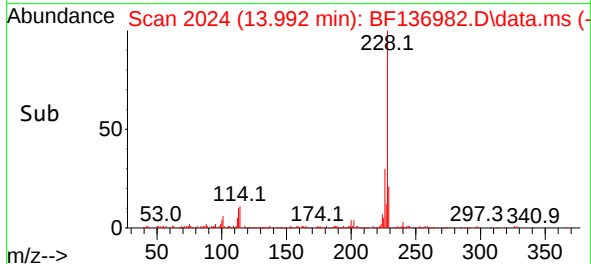
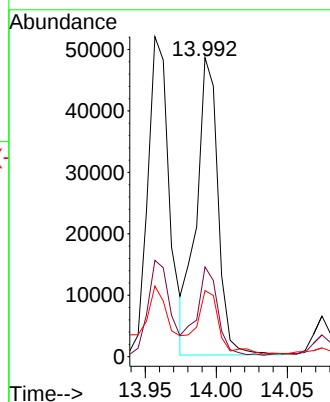
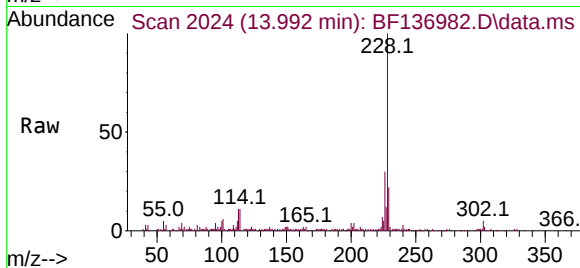
Instrument :

BNA_F

ClientSampleId :

MR-317-0-2

Tgt Ion:228	Resp: 51456
Ion Ratio	Lower Upper
228	100
226	30.0 24.7 37.1
229	22.1 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

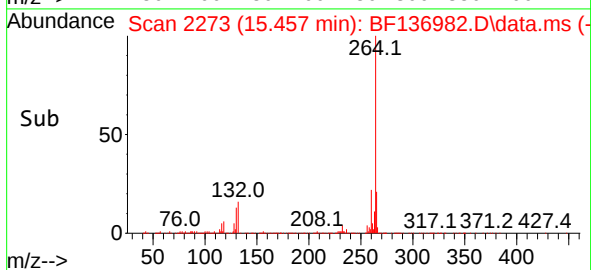
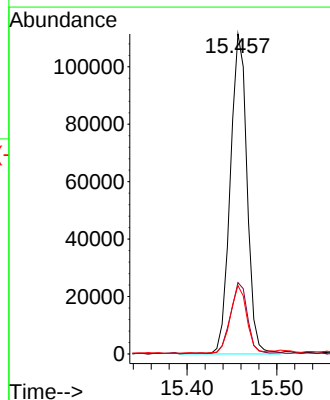
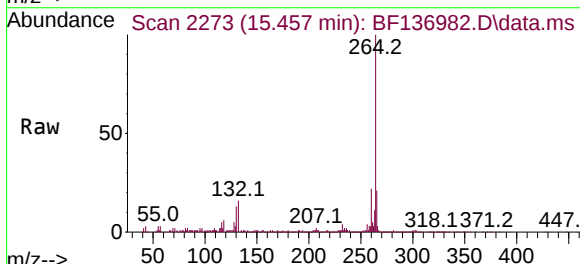
RT: 15.457 min Scan# 2273

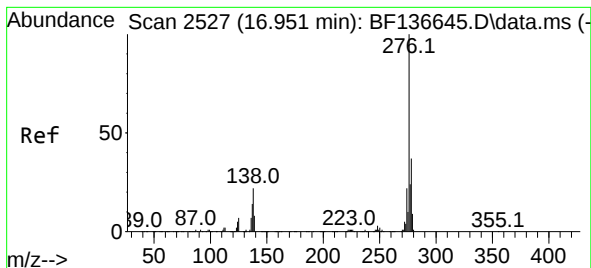
Delta R.T. 0.012 min

Lab File: BF136982.D

Acq: 05 Jan 2024 18:29

Tgt Ion:264	Resp: 144439
Ion Ratio	Lower Upper
264	100
260	22.3 18.3 27.5
265	21.3 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.101 ng

RT: 16.974 min Scan# 2199

Delta R.T. 0.024 min

Lab File: BF136982.D

Acq: 05 Jan 2024 18:29

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2

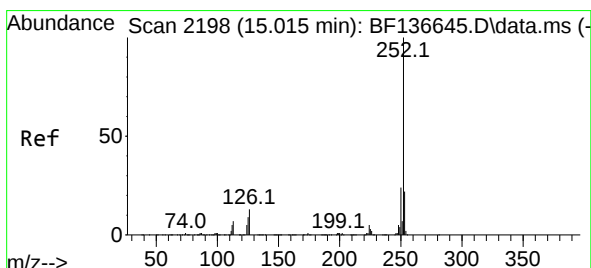
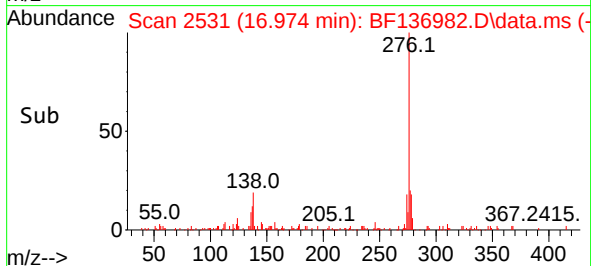
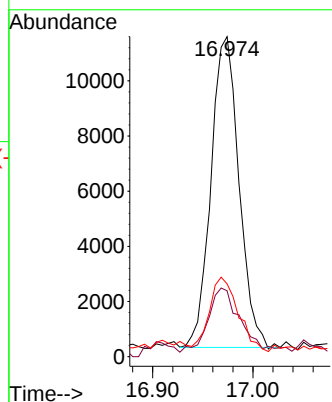
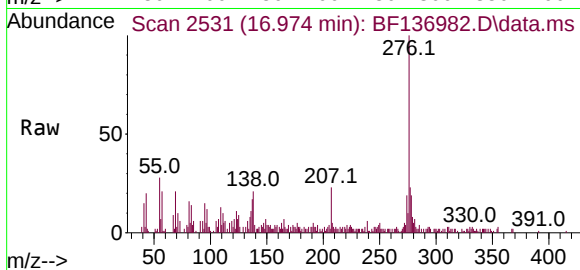
Tgt Ion:276 Resp: 21914

Ion Ratio Lower Upper

276 100

138 23.8 18.7 28.1

277 24.5 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 8.122 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF136982.D

Acq: 05 Jan 2024 18:29

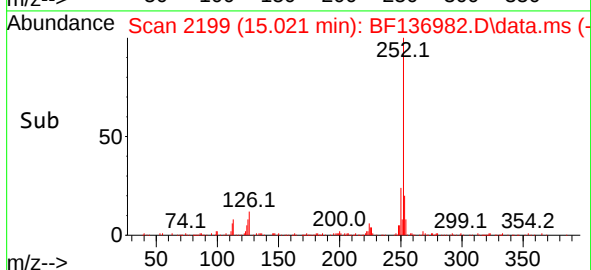
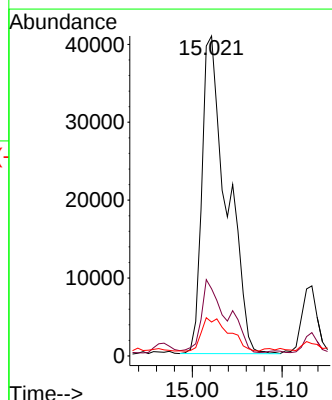
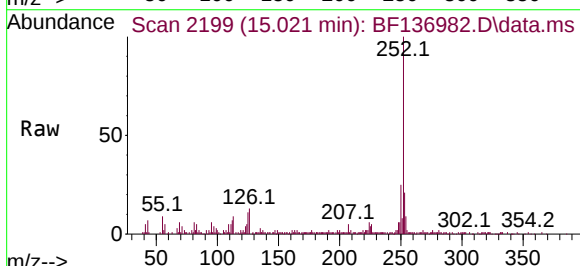
Tgt Ion:252 Resp: 78359

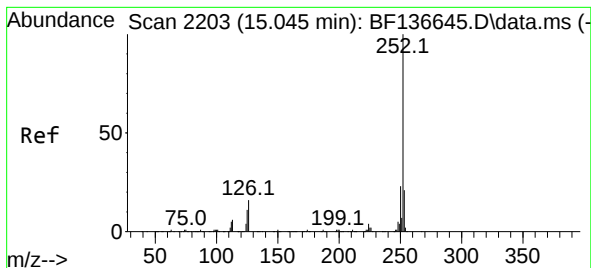
Ion Ratio Lower Upper

252 100

253 21.0 17.4 26.0

125 10.6 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 8.596 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.023 min

Lab File: BF136982.D

Acq: 05 Jan 2024 18:29

Instrument :

BNA_F

ClientSampleId :

MR-317-0-2

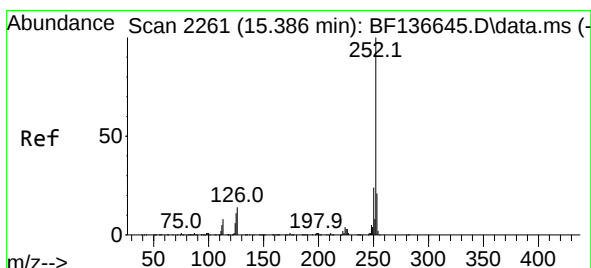
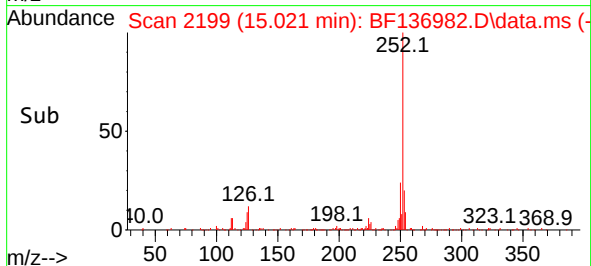
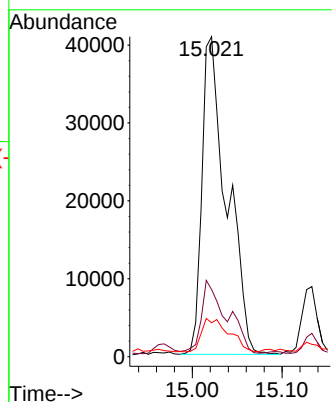
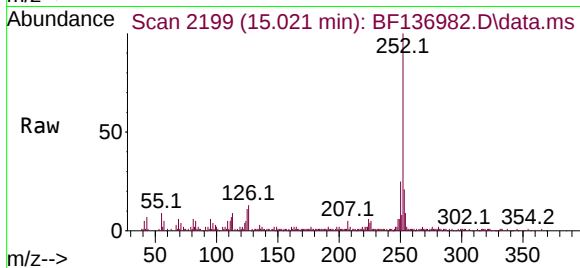
Tgt Ion:252 Resp: 78359

Ion Ratio Lower Upper

252 100

253 21.0 17.0 25.6

125 10.6 8.2 12.4



#90

Benzo(a)pyrene

Concen: 4.807 ng

RT: 15.392 min Scan# 2262

Delta R.T. 0.006 min

Lab File: BF136982.D

Acq: 05 Jan 2024 18:29

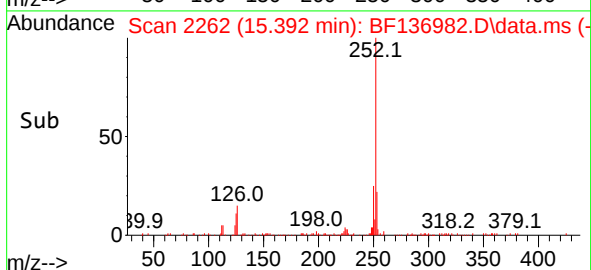
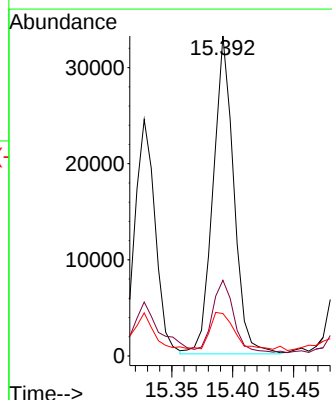
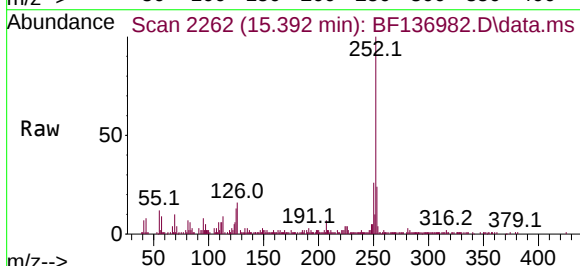
Tgt Ion:252 Resp: 39146

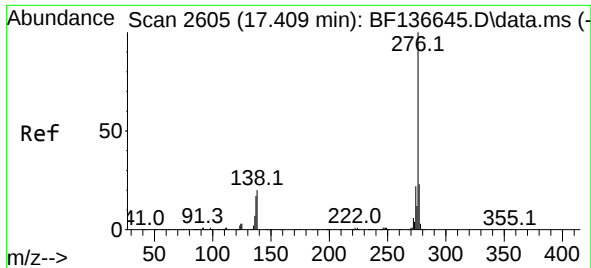
Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

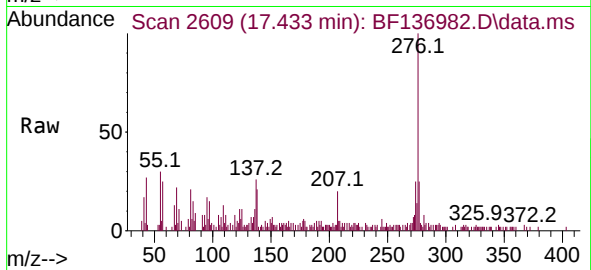
125 13.2 8.8 13.2#





#92
Benzo(g,h,i)perylene
Concen: 2.479 ng
RT: 17.433 min Scan# 20
Delta R.T. 0.024 min
Lab File: BF136982.D
Acq: 05 Jan 2024 18:29

Instrument :
BNA_F
ClientSampleId :
MR-317-0-2



Tgt Ion:	276	Resp:	21726
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.3	27.5
138	21.2	15.6	23.4

