

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011024\
 Data File : BF137019.D
 Acq On : 10 Jan 2024 14:43
 Operator : CG\JU
 Sample : P1085-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Jan 10 15:27:50 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)

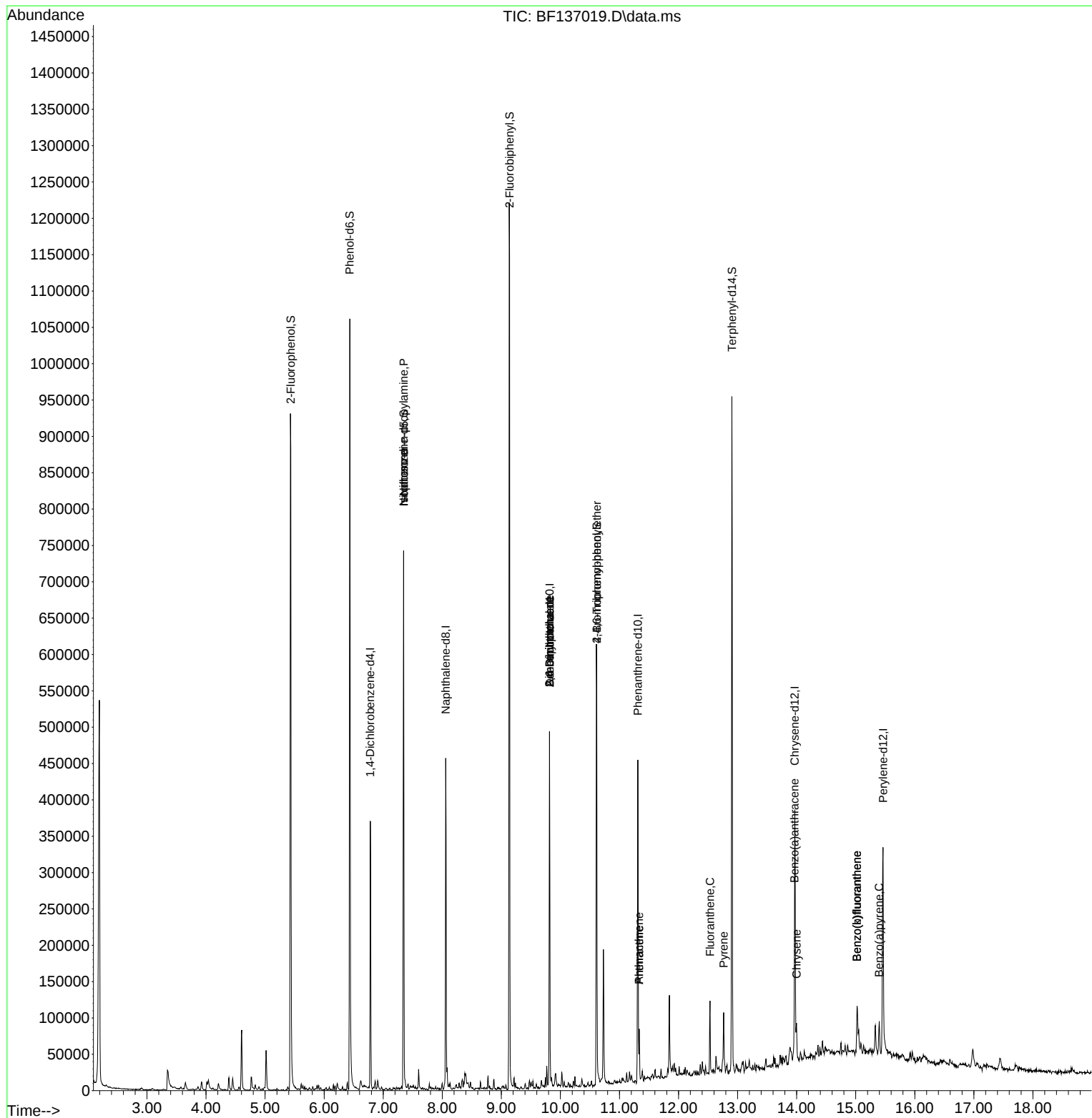
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	52985	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	193442	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	90689	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	152422	20.000	ng	0.00
76) Chrysene-d12	13.969	240	108373	20.000	ng	0.00
86) Perylene-d12	15.463	264	133066	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	277676	81.769	ng	0.00
7) Phenol-d6	6.434	99	337924	76.797	ng	0.00
23) Nitrobenzene-d5	7.346	82	207257	54.826	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	80832	75.681	ng	0.00
45) 2-Fluorobiphenyl	9.140	172	404546	59.997	ng	-0.01
79) Terphenyl-d14	12.904	244	328160	42.316	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.346	70	27675	10.375	ng	# 73
25) Isophorone	7.346	82	207254	30.130	ng	# 65
50) Dimethylphthalate	9.816	163	16913	2.553	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	12148	8.081	ng	# 31
57) 2,4-Dinitrotoluene	9.816	165	12148	6.224	ng	# 22
67) 4-Bromophenyl-phenylether	10.616	248	4949	2.924	ng	# 1
71) Phenanthrene	11.333	178	23690	3.029	ng	98
72) Anthracene	11.333	178	23690	2.991	ng	97
75) Fluoranthene	12.533	202	37552	4.489	ng	100
78) Pyrene	12.763	202	33611	3.159	ng	96
81) Benzo(a)anthracene	13.963	228	20477	2.721	ng	98
83) Chrysene	13.998	228	22519	3.060	ng	97
88) Benzo(b)fluoranthene	15.021	252	46214	5.200	ng	# 93
89) Benzo(k)fluoranthene	15.021	252	46214	5.503	ng	# 93
90) Benzo(a)pyrene	15.398	252	19731	2.630	ng	98

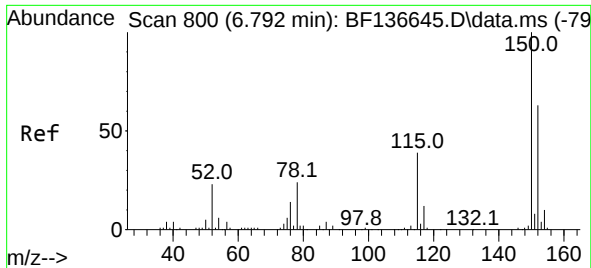
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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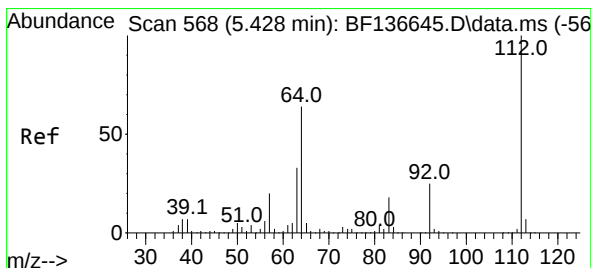
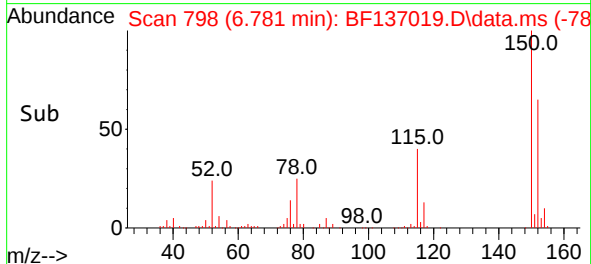
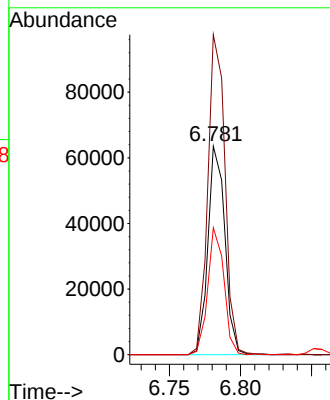
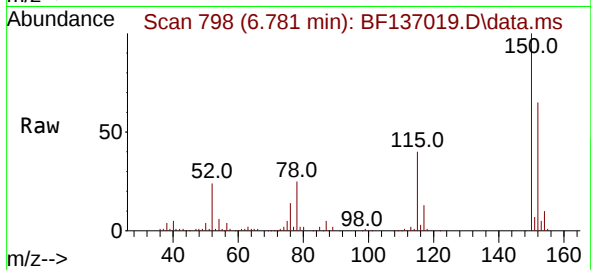




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF137019.D
Acq: 10 Jan 2024 14:43

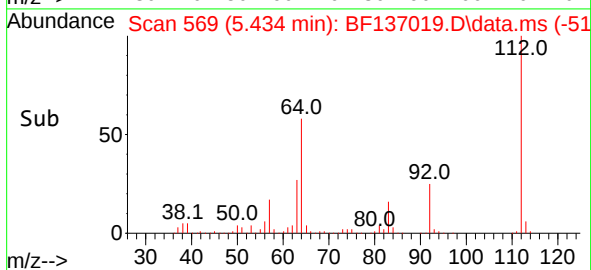
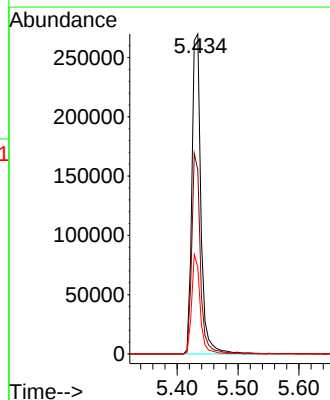
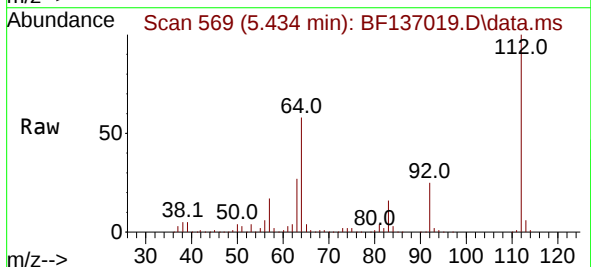
Instrument :
BNA_F
ClientSampleId :
TP-2

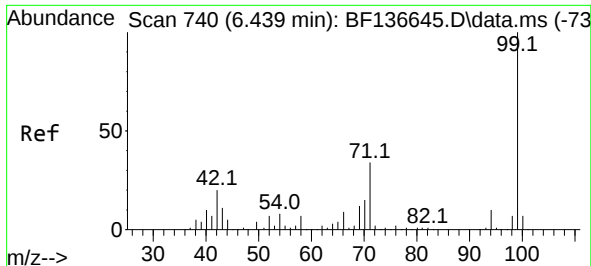
Tgt Ion:152 Resp: 52985
Ion Ratio Lower Upper
152 100
150 153.5 127.0 190.6
115 60.9 49.0 73.4



#5
2-Fluorophenol
Concen: 81.769 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF137019.D
Acq: 10 Jan 2024 14:43

Tgt Ion:112 Resp: 277676
Ion Ratio Lower Upper
112 100
64 57.5 51.1 76.7
63 27.1 26.1 39.1

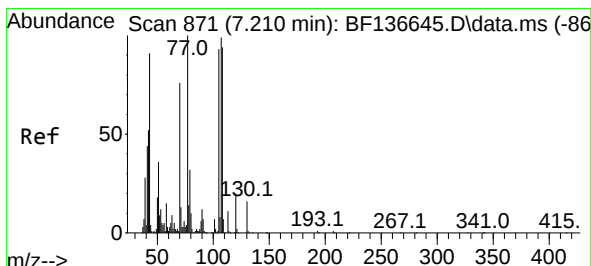
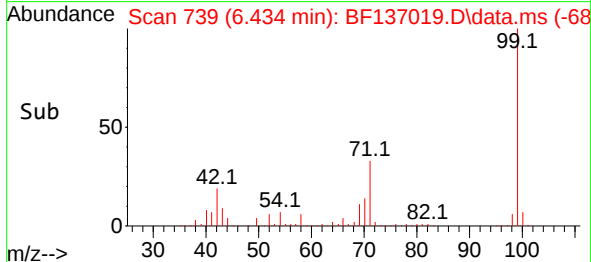
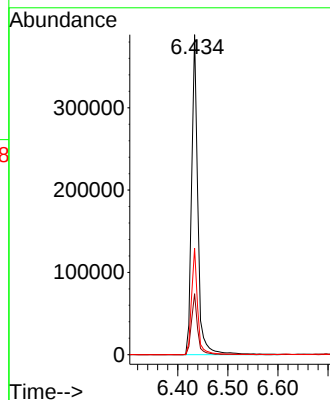
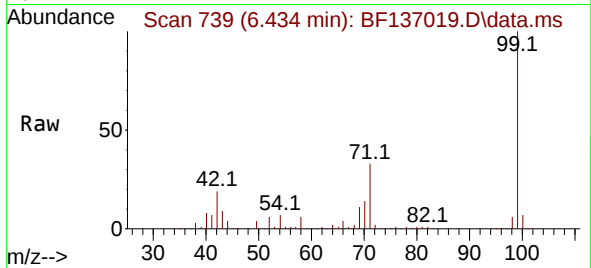




#7
Phenol-d6
Concen: 76.797 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137019.D
Acq: 10 Jan 2024 14:43

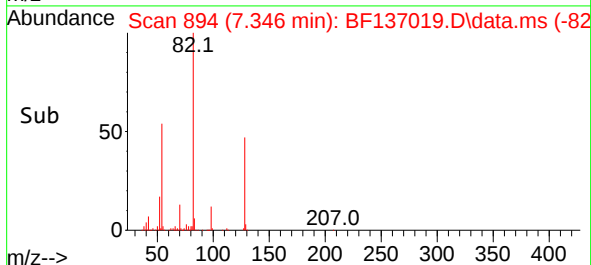
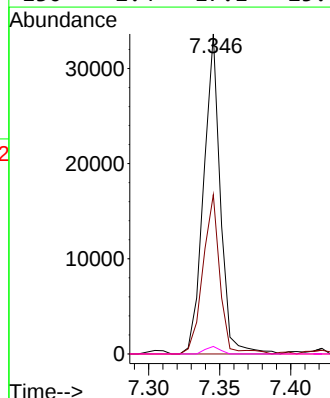
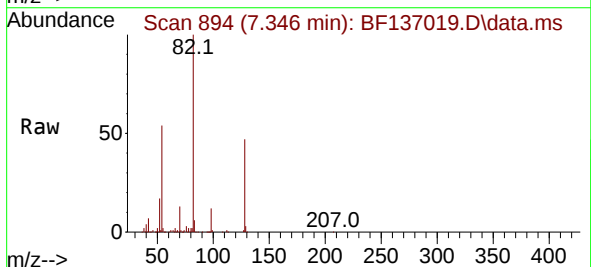
Instrument :
BNA_F
ClientSampleId :
TP-2

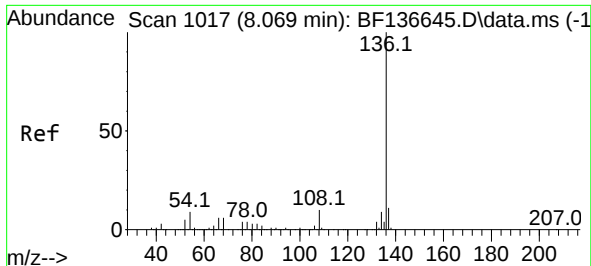
Tgt Ion: 99 Resp: 337924
Ion Ratio Lower Upper
99 100
42 19.1 16.1 24.1
71 33.2 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 10.375 ng
RT: 7.346 min Scan# 894
Delta R.T. 0.136 min
Lab File: BF137019.D
Acq: 10 Jan 2024 14:43

Tgt Ion: 70 Resp: 27675
Ion Ratio Lower Upper
70 100
42 49.8 54.2 81.4#
101 0.0 7.6 11.4#
130 2.4 17.1 25.7#

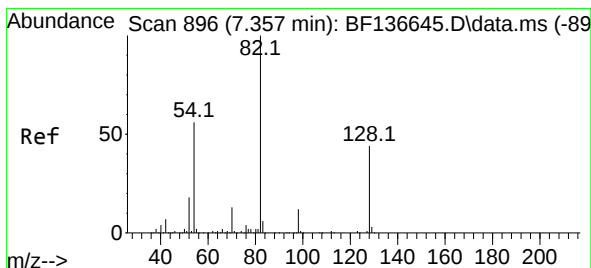
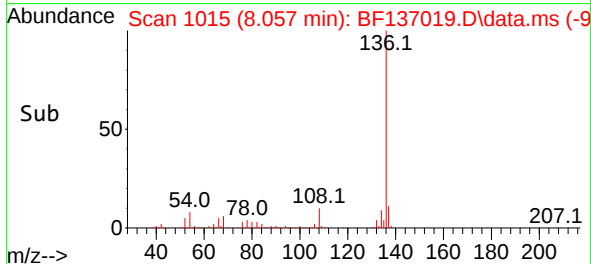
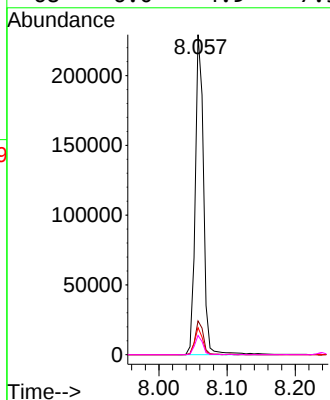
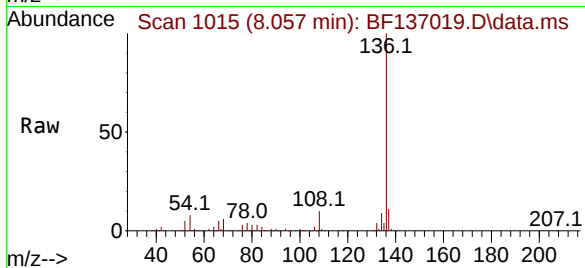




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.011 min
Lab File: BF137019.D
Acq: 10 Jan 2024 14:43

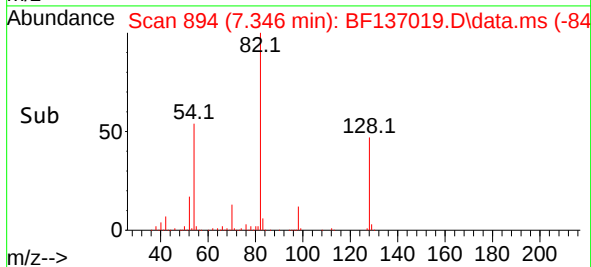
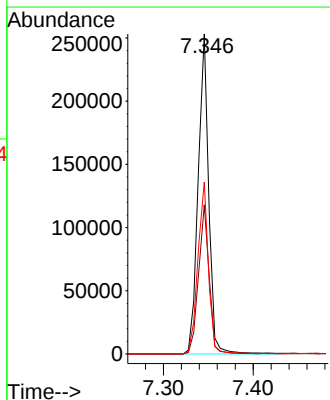
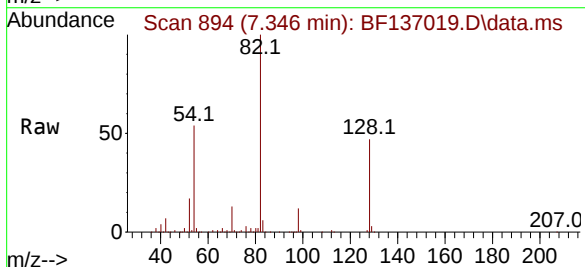
Instrument :
BNA_F
ClientSampleId :
TP-2

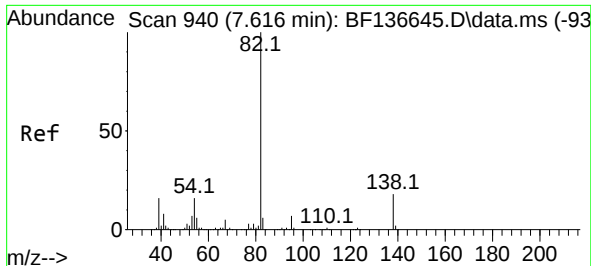
Tgt Ion:	136	Resp:	193442
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	8.4	7.2	10.8
68	6.0	4.9	7.3



#23
Nitrobenzene-d5
Concen: 54.826 ng
RT: 7.346 min Scan# 894
Delta R.T. -0.011 min
Lab File: BF137019.D
Acq: 10 Jan 2024 14:43

Tgt Ion:	82	Resp:	207257
Ion	Ratio	Lower	Upper
82	100		
128	46.6	35.3	52.9
54	53.8	44.5	66.7

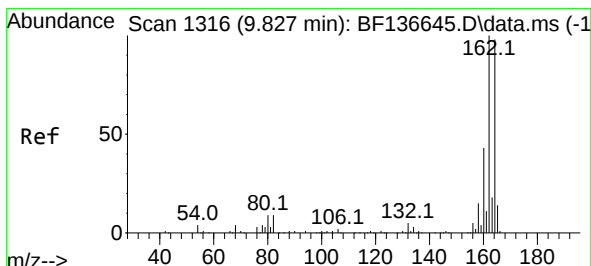
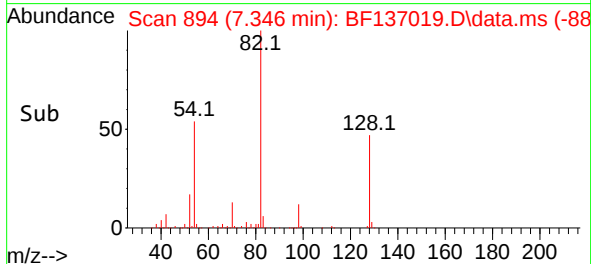
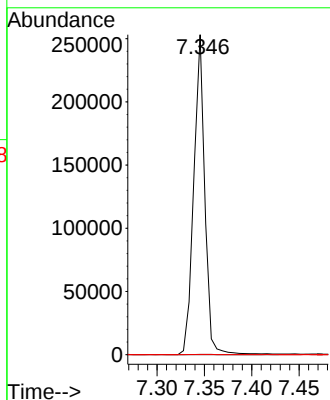
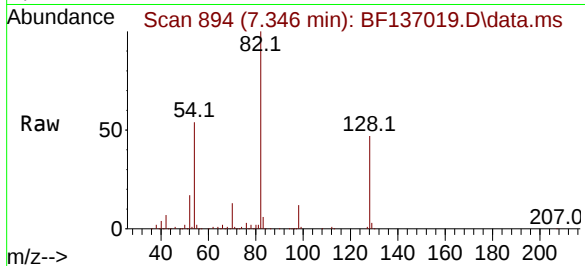




#25
Isophorone
Concen: 30.130 ng
RT: 7.346 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF137019.D
Acq: 10 Jan 2024 14:43

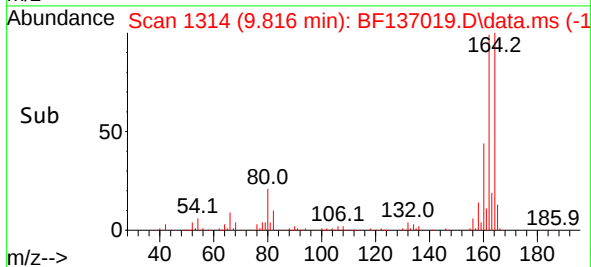
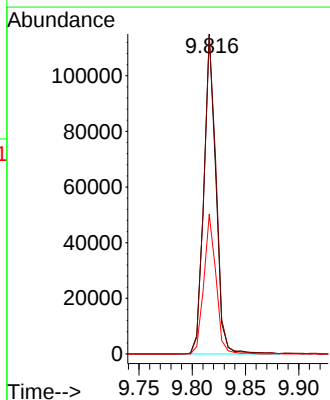
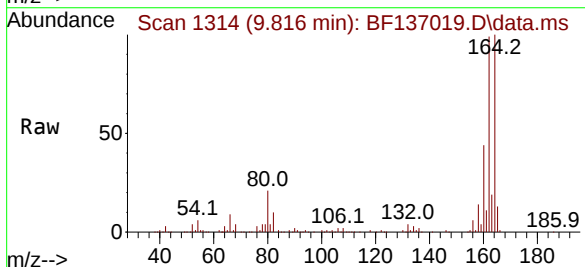
Instrument :
BNA_F
ClientSampleId :
TP-2

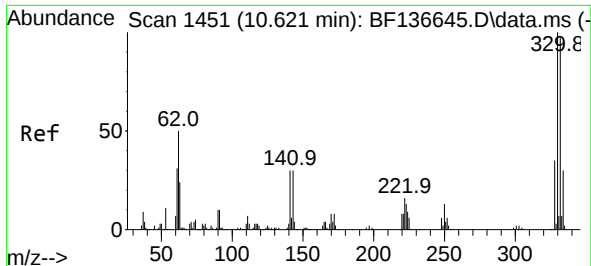
Tgt Ion: 82 Resp: 207254
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.011 min
Lab File: BF137019.D
Acq: 10 Jan 2024 14:43

Tgt Ion:164 Resp: 90689
Ion Ratio Lower Upper
164 100
162 99.4 81.6 122.4
160 43.6 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 75.681 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF137019.D

Acq: 10 Jan 2024 14:43

Instrument :

BNA_F

ClientSampleId :

TP-2

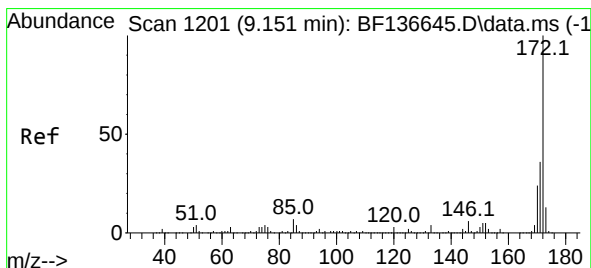
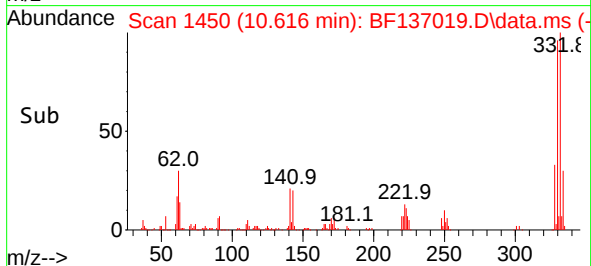
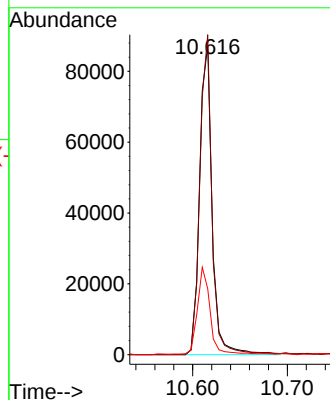
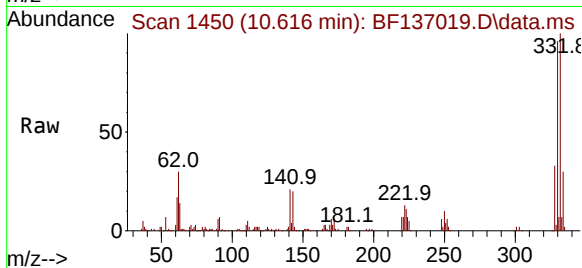
Tgt Ion:330 Resp: 80832

Ion Ratio Lower Upper

330 100

332 99.2 77.4 116.0

141 29.4 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 59.997 ng

RT: 9.140 min Scan# 1199

Delta R.T. -0.011 min

Lab File: BF137019.D

Acq: 10 Jan 2024 14:43

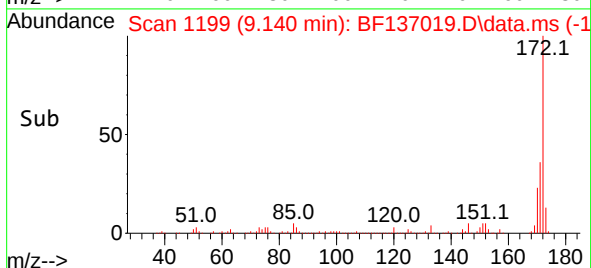
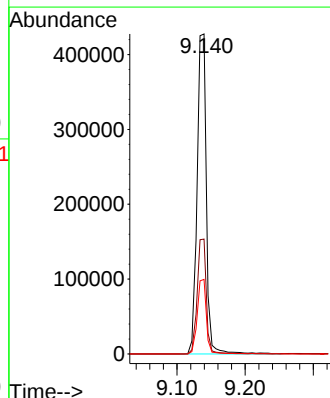
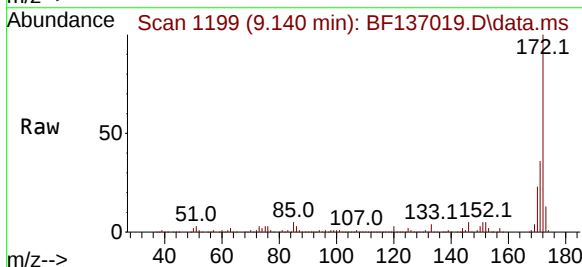
Tgt Ion:172 Resp: 404546

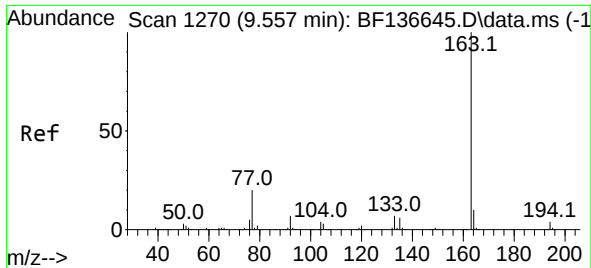
Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.6

170 23.3 19.0 28.4

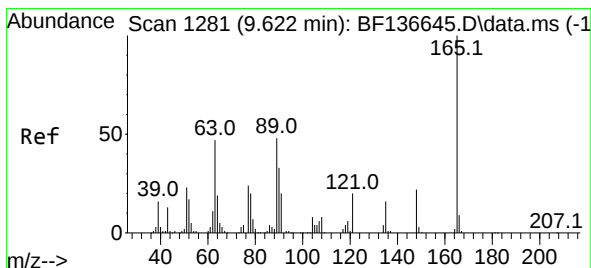
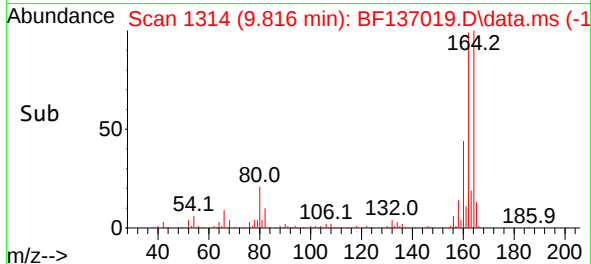
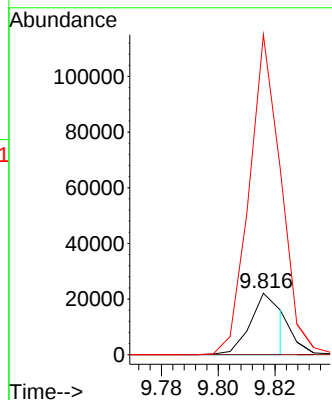
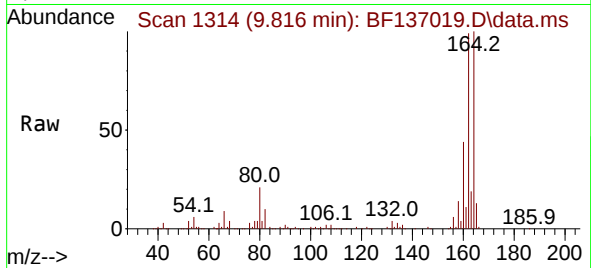




#50
Dimethylphthalate
Concen: 2.553 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF137019.D
Acq: 10 Jan 2024 14:43

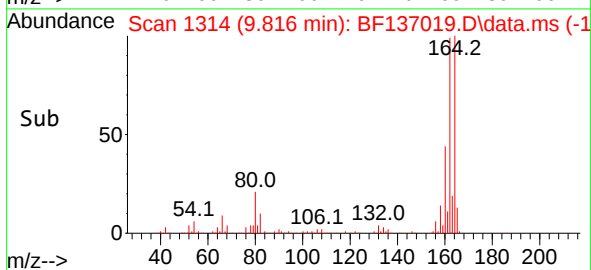
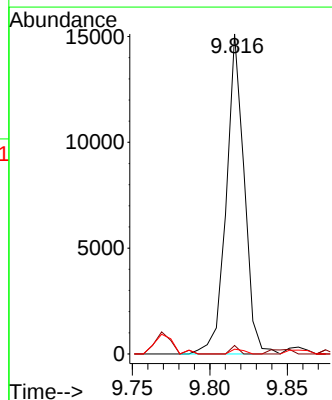
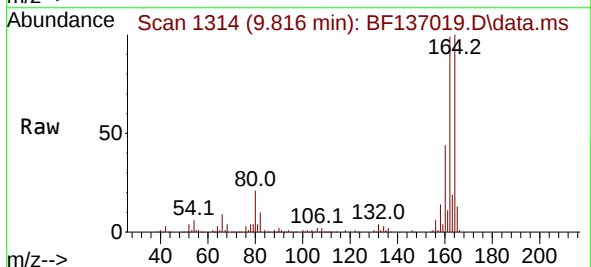
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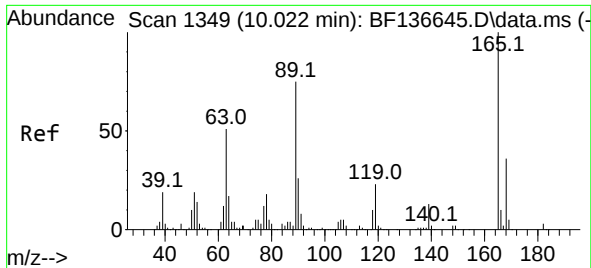
Tgt Ion:163 Resp: 16913
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 521.3 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 8.081 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF137019.D
Acq: 10 Jan 2024 14:43

Tgt Ion:165 Resp: 12148
Ion Ratio Lower Upper
165 100
63 2.6 39.8 59.6#
89 1.5 38.8 58.2#

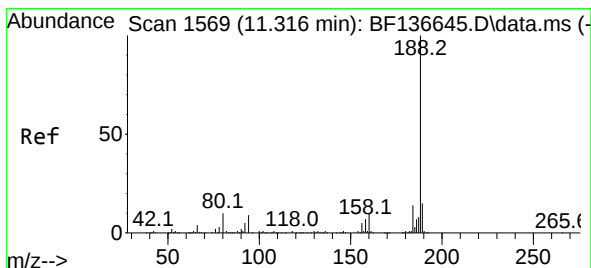
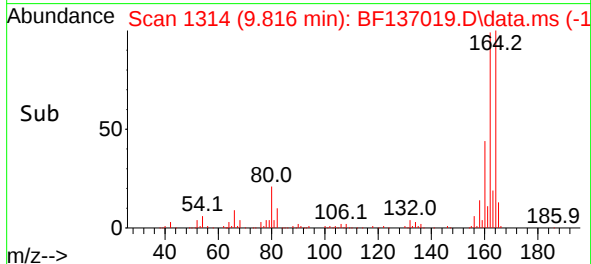
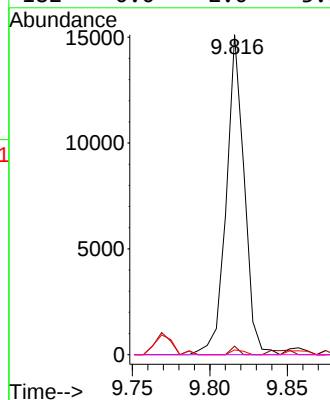
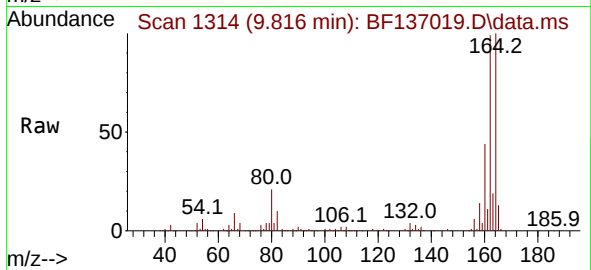




#57
2,4-Dinitrotoluene
Concen: 6.224 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF137019.D
Acq: 10 Jan 2024 14:43

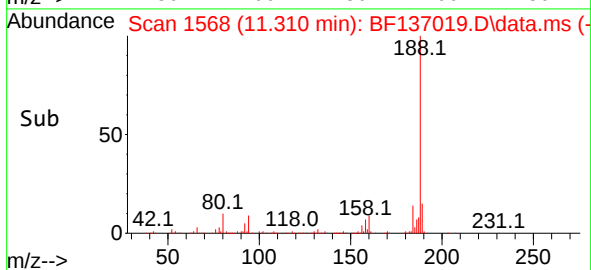
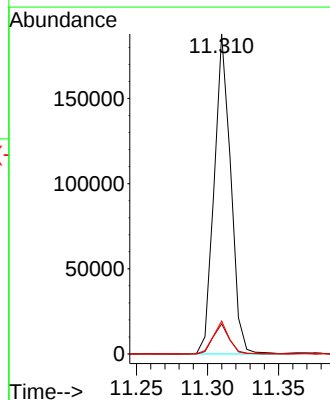
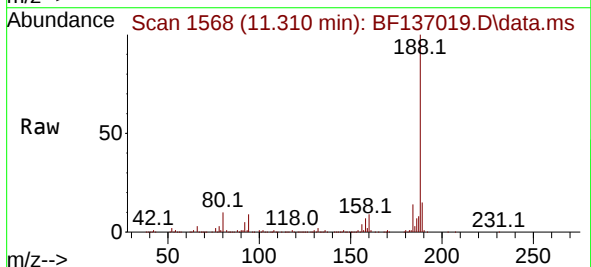
Instrument :
BNA_F
ClientSampleId :
TP-2

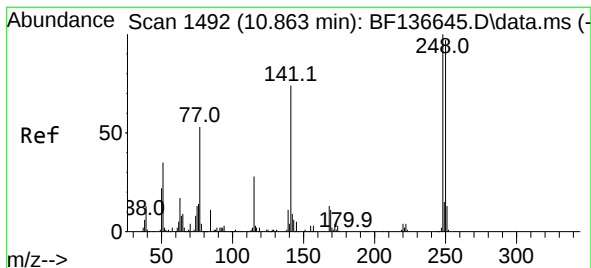
Tgt Ion:165 Resp: 12148
Ion Ratio Lower Upper
165 100
63 2.6 41.0 61.6#
89 1.5 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF137019.D
Acq: 10 Jan 2024 14:43

Tgt Ion:188 Resp: 152422
Ion Ratio Lower Upper
188 100
94 9.4 7.5 11.3
80 10.3 8.1 12.1

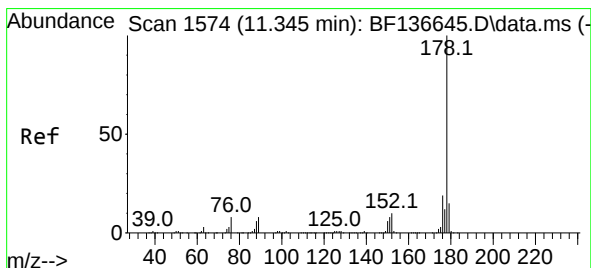
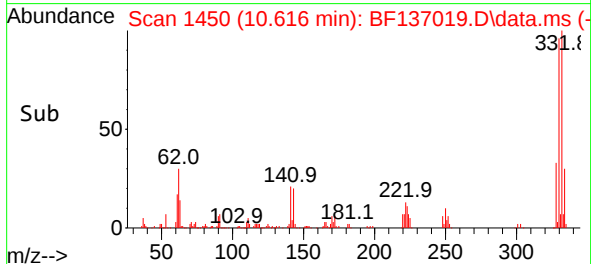
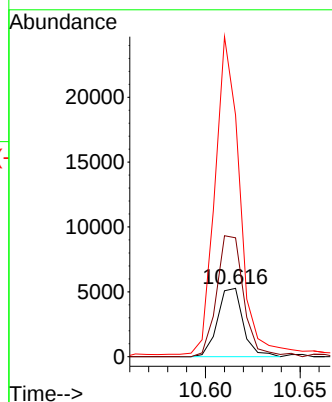
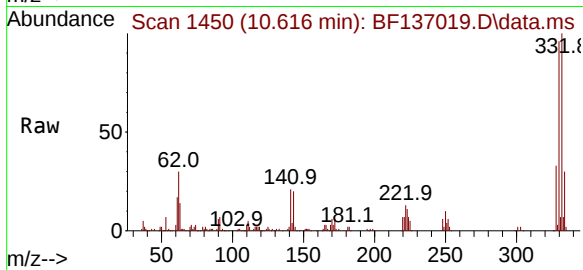




#67
4-Bromophenyl-phenylether
Concen: 2.924 ng
RT: 10.616 min Scan# 1492
Delta R.T. -0.247 min
Lab File: BF137019.D
Acq: 10 Jan 2024 14:43

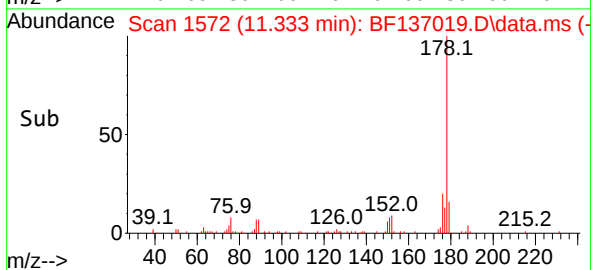
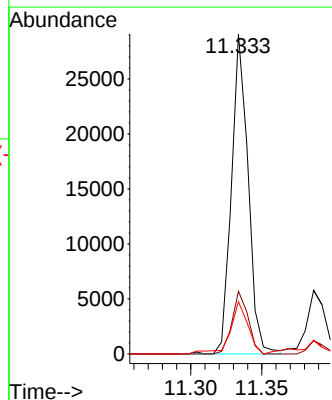
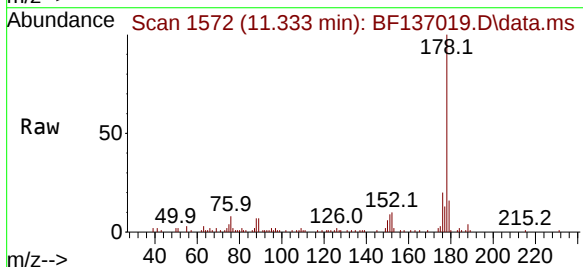
Instrument :
BNA_F
ClientSampleId :
TP-2

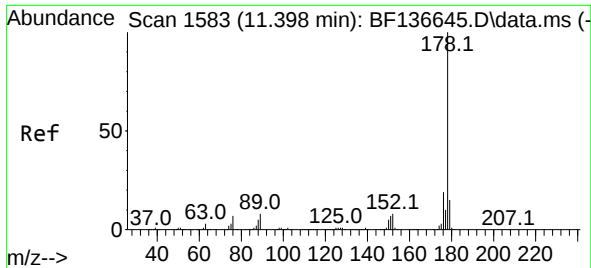
Tgt Ion:248 Resp: 4949
Ion Ratio Lower Upper
248 100
250 174.1 77.8 116.6#
141 353.9 59.2 88.8#



#71
Phenanthrene
Concen: 3.029 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.011 min
Lab File: BF137019.D
Acq: 10 Jan 2024 14:43

Tgt Ion:178 Resp: 23690
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 16.4 11.9 17.9

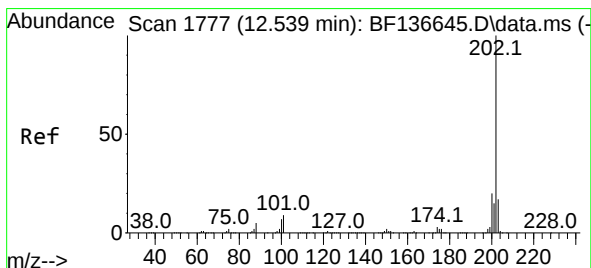
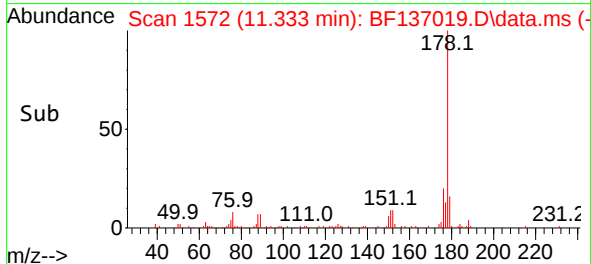
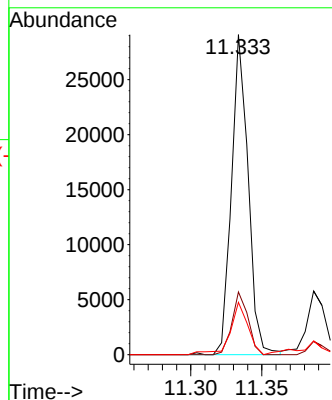
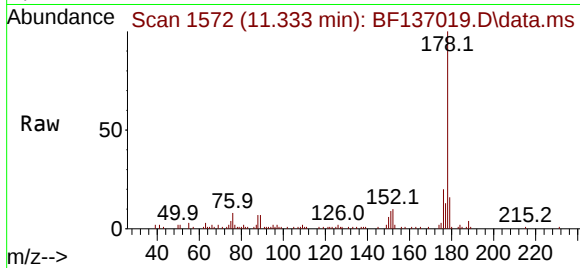




#72
 Anthracene
 Concen: 2.991 ng
 RT: 11.333 min Scan# 11
 Delta R.T. -0.064 min
 Lab File: BF137019.D
 Acq: 10 Jan 2024 14:43

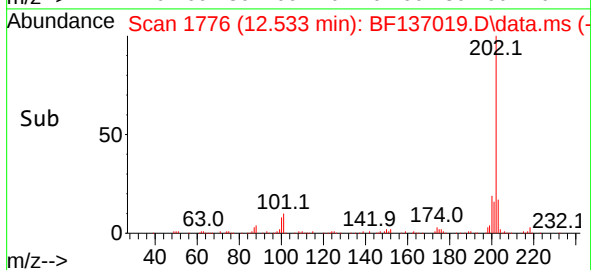
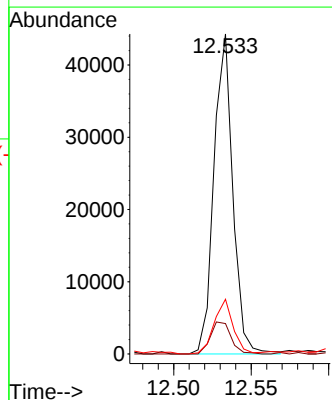
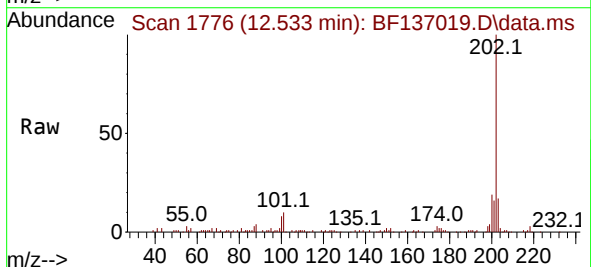
Instrument :
 BNA_F
 ClientSampleId :
 TP-2

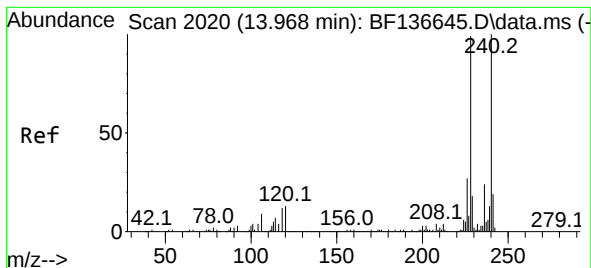
Tgt Ion:178 Resp: 23690
 Ion Ratio Lower Upper
 178 100
 176 19.6 14.9 22.3
 179 16.4 11.8 17.6



#75
 Fluoranthene
 Concen: 4.489 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF137019.D
 Acq: 10 Jan 2024 14:43

Tgt Ion:202 Resp: 37552
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 29.3
 203 17.1 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: BF137019.D

Acq: 10 Jan 2024 14:43

Instrument :

BNA_F

ClientSampleId :

TP-2

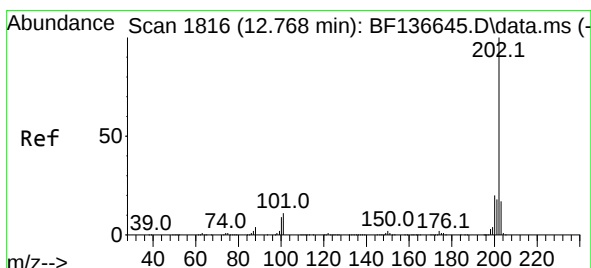
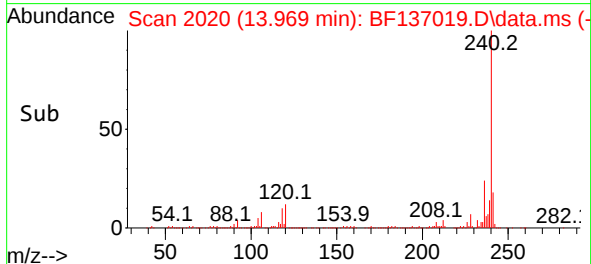
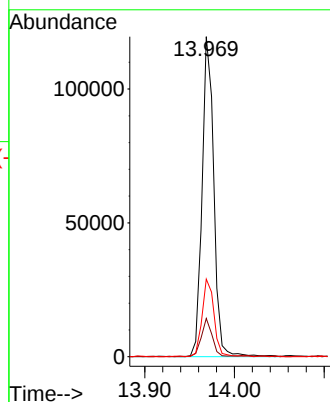
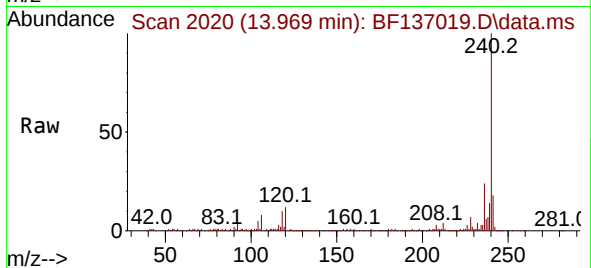
Tgt Ion:240 Resp: 108373

Ion Ratio Lower Upper

240 100

120 11.9 10.3 15.5

236 24.3 19.4 29.2



#78

Pyrene

Concen: 3.159 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137019.D

Acq: 10 Jan 2024 14:43

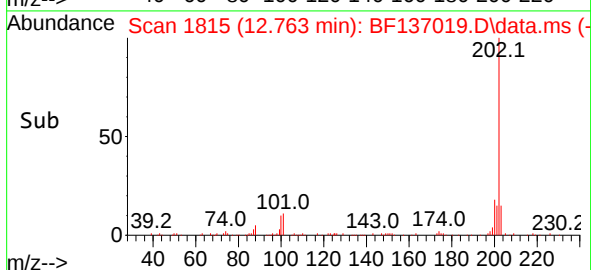
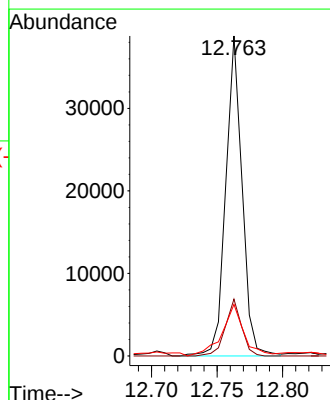
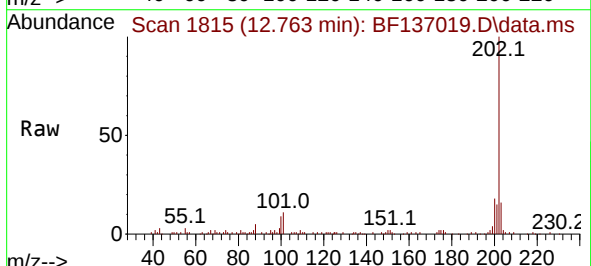
Tgt Ion:202 Resp: 33611

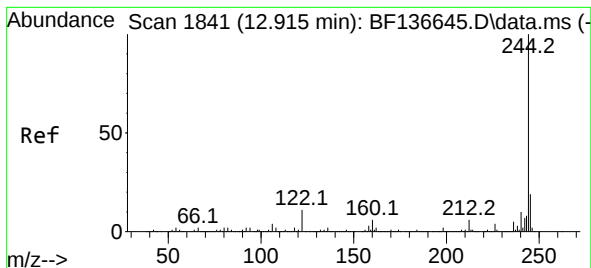
Ion Ratio Lower Upper

202 100

200 17.8 15.9 23.9

203 16.1 13.8 20.6





#79

Terphenyl-d14

Concen: 42.316 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.011 min

Lab File: BF137019.D

Acq: 10 Jan 2024 14:43

Instrument :

BNA_F

ClientSampleId :

TP-2

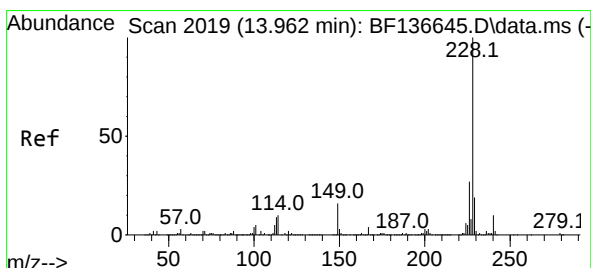
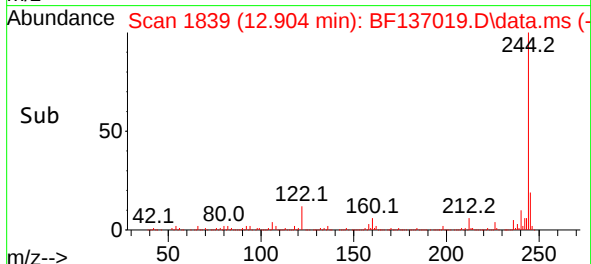
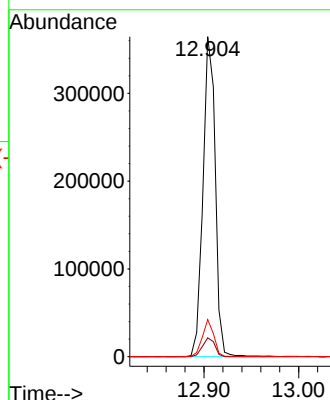
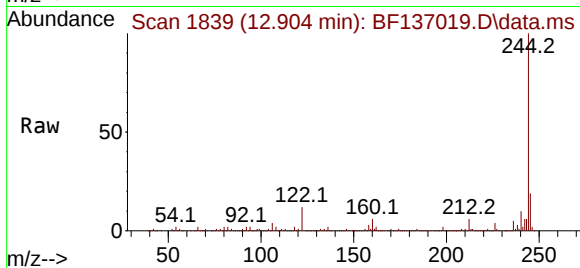
Tgt Ion:244 Resp: 328160

Ion Ratio Lower Upper

244 100

212 5.9 5.0 7.4

122 11.6 9.0 13.4



#81

Benzo(a)anthracene

Concen: 2.721 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF137019.D

Acq: 10 Jan 2024 14:43

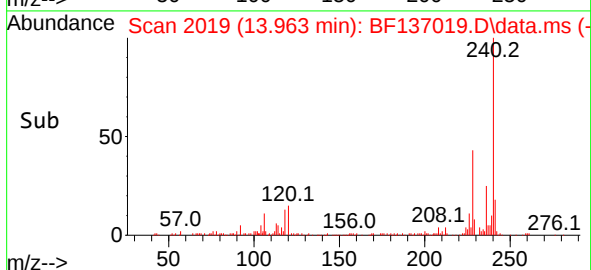
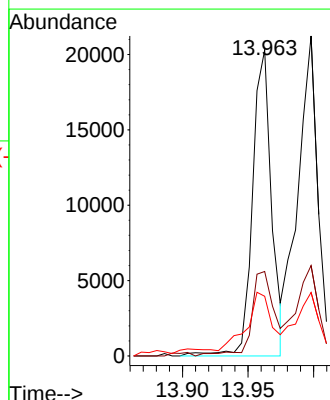
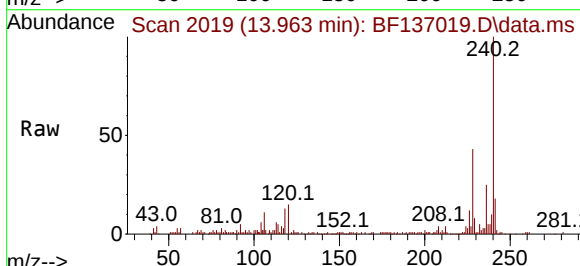
Tgt Ion:228 Resp: 20477

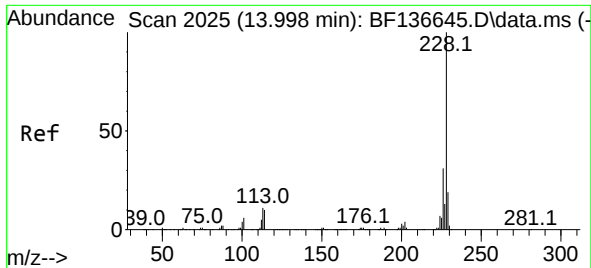
Ion Ratio Lower Upper

228 100

226 27.6 21.4 32.0

229 19.5 14.9 22.3

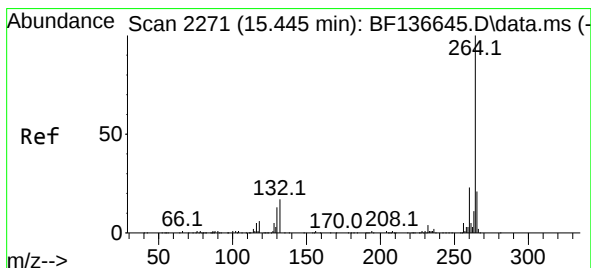
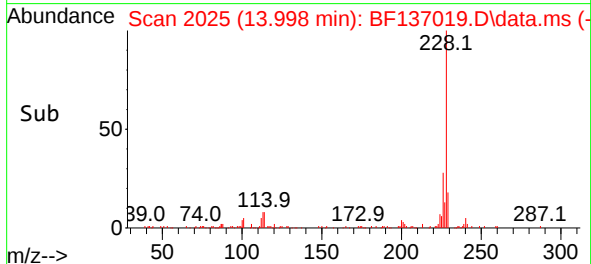
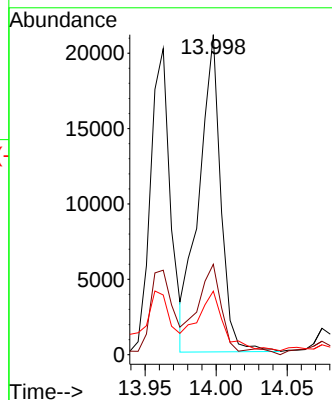
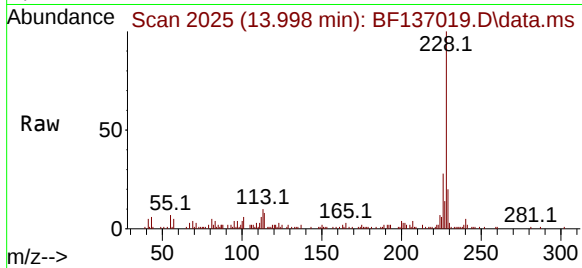




#83
Chrysene
Concen: 3.060 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF137019.D
Acq: 10 Jan 2024 14:43

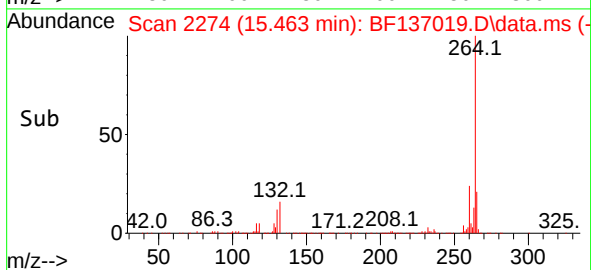
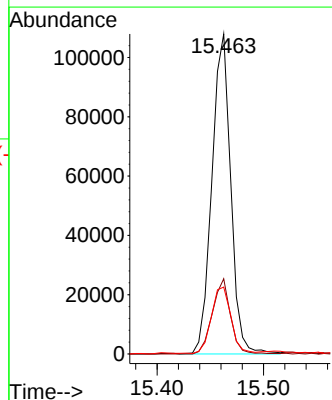
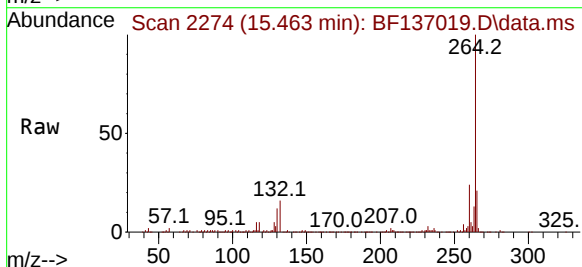
Instrument :
BNA_F
ClientSampleId :
TP-2

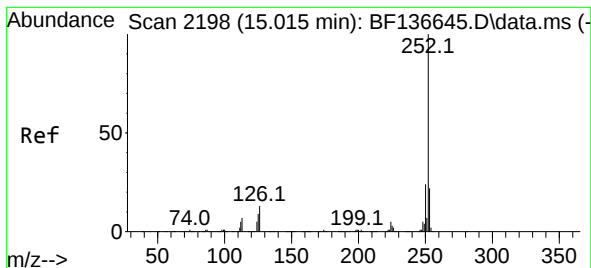
Tgt Ion:228 Resp: 22519
Ion Ratio Lower Upper
228 100
226 28.3 24.7 37.1
229 19.8 15.4 23.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2274
Delta R.T. 0.018 min
Lab File: BF137019.D
Acq: 10 Jan 2024 14:43

Tgt Ion:264 Resp: 133066
Ion Ratio Lower Upper
264 100
260 23.5 18.3 27.5
265 20.9 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 5.200 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF137019.D

Acq: 10 Jan 2024 14:43

Instrument :

BNA_F

ClientSampleId :

TP-2

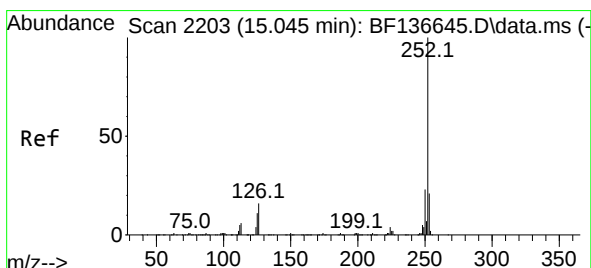
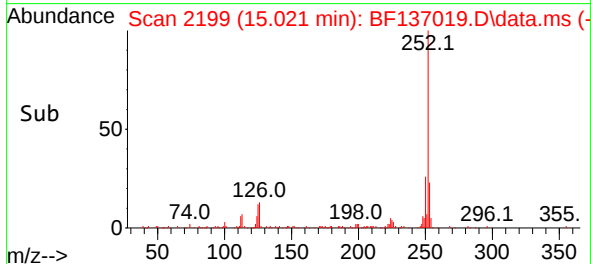
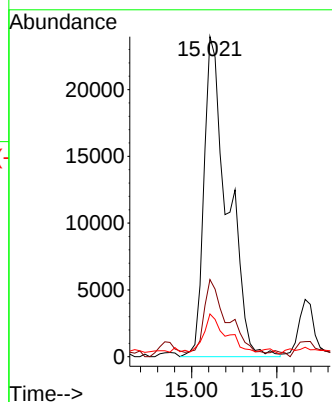
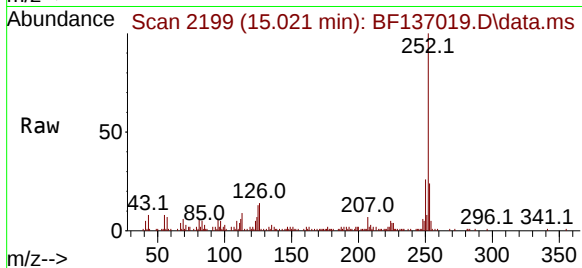
Tgt Ion:252 Resp: 46214

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

125 13.4 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 5.503 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.023 min

Lab File: BF137019.D

Acq: 10 Jan 2024 14:43

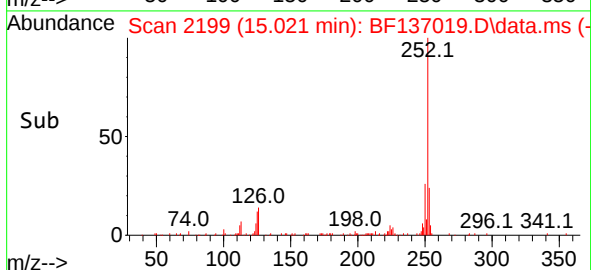
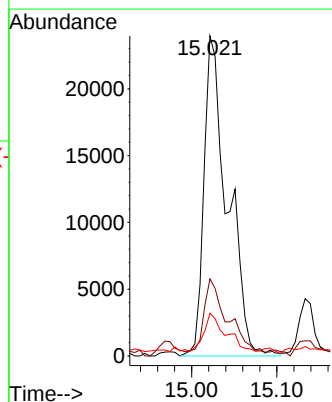
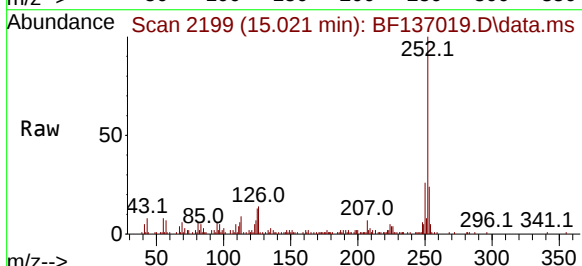
Tgt Ion:252 Resp: 46214

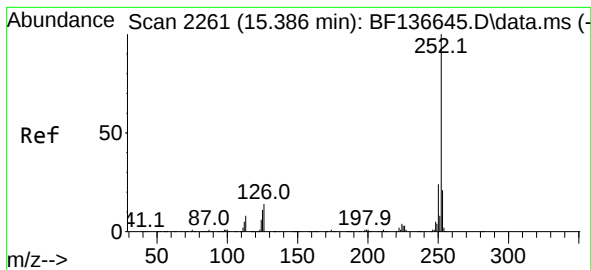
Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.6

125 13.4 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 2.630 ng

RT: 15.398 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF137019.D

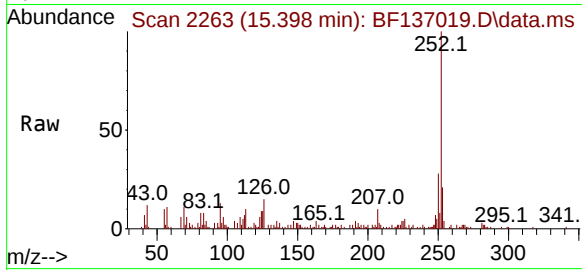
Acq: 10 Jan 2024 14:43

Instrument :

BNA_F

ClientSampleId :

TP-2



Tgt Ion:252 Resp: 19731

Ion Ratio Lower Upper

252 100

253 21.4 17.0 25.6

125 9.4 8.8 13.2

