

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013124\
 Data File : BF137223.D
 Acq On : 31 Jan 2024 21:28
 Operator : CG\JU
 Sample : P1277-03DL2 20X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-40DL2

Quant Time: Feb 01 01:23:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

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

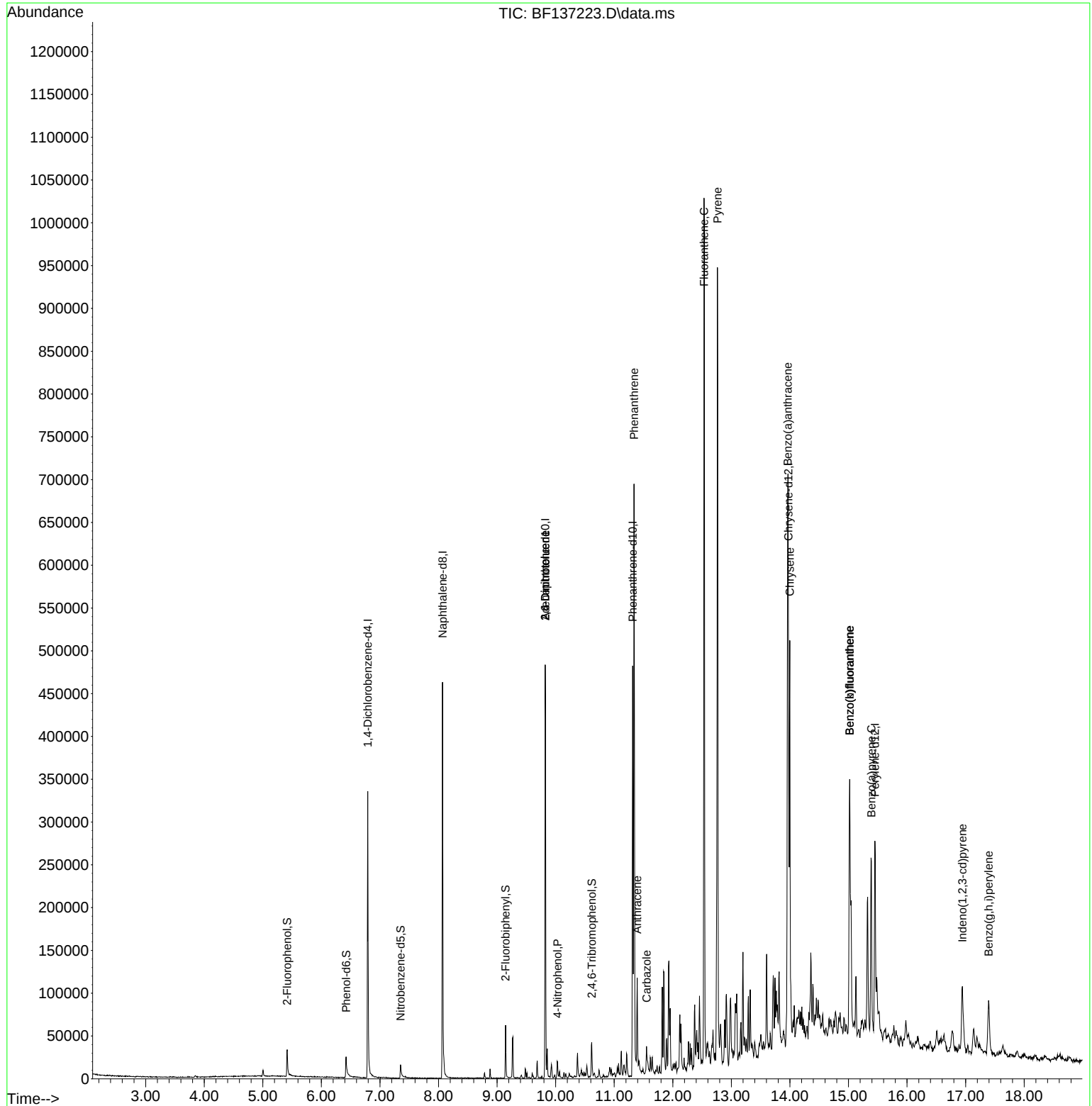
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	46671	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	177463	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	98629	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	179621	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	149681	20.000	ng	0.00
86) Perylene-d12	15.451	264	119298	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	11144	3.940	ng	0.00
7) Phenol-d6	6.422	99	14606	3.619	ng	0.00
23) Nitrobenzene-d5	7.351	82	9354	2.360	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	4535	4.071	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	19464	2.713	ng	0.00
79) Terphenyl-d14	12.910	244	21970	1.995	ng	-0.01
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	9.822	165	12326	8.675	ng	# 18
56) 4-Nitrophenol	10.033	139	2989	10.684	ng	# 1
57) 2,4-Dinitrotoluene	9.822	165	12326	6.686	ng	# 17
71) Phenanthrene	11.339	178	243808	25.928	ng	99
72) Anthracene	11.392	178	53873	5.497	ng	97
73) Carbazole	11.551	167	17699	2.161	ng	99
75) Fluoranthene	12.533	202	435811	44.291	ng	98
78) Pyrene	12.763	202	409012	28.434	ng	99
81) Benzo(a)anthracene	13.962	228	198294	18.706	ng	97
83) Chrysene	13.998	228	200359	19.225	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	58882	7.025	ng	98
88) Benzo(b)fluoranthene	15.021	252	233467	31.822	ng	97
89) Benzo(k)fluoranthene	15.021	252	233467	30.080	ng	96
90) Benzo(a)pyrene	15.392	252	114250	16.548	ng	97
92) Benzo(g,h,i)perylene	17.392	276	56168	8.521	ng	97

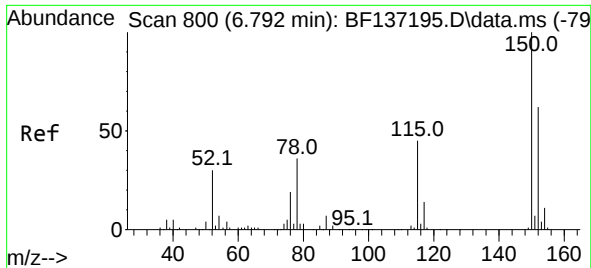
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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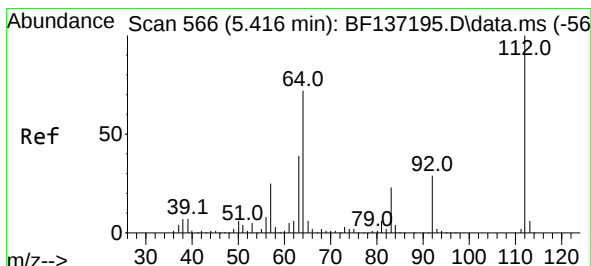
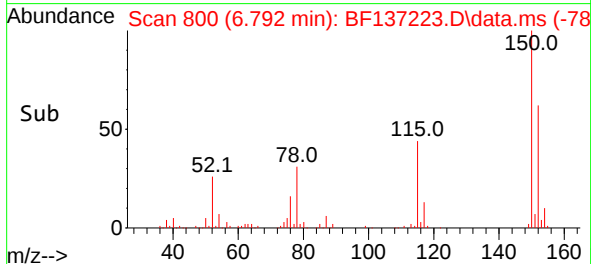
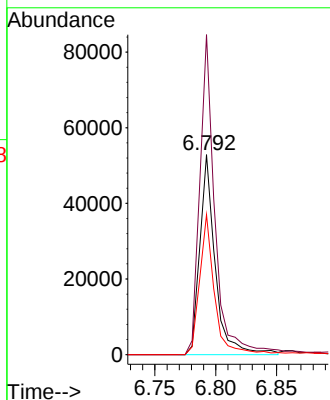
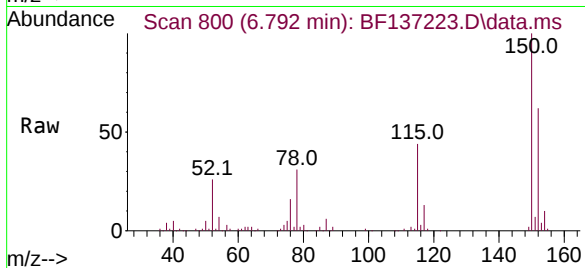




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

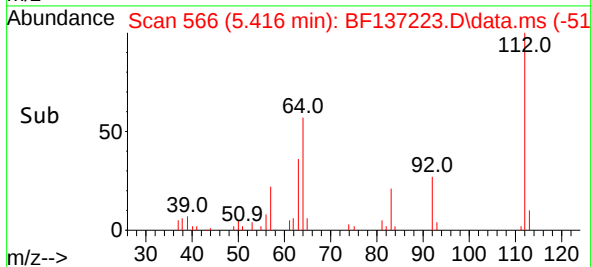
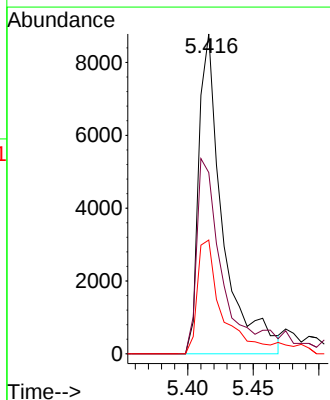
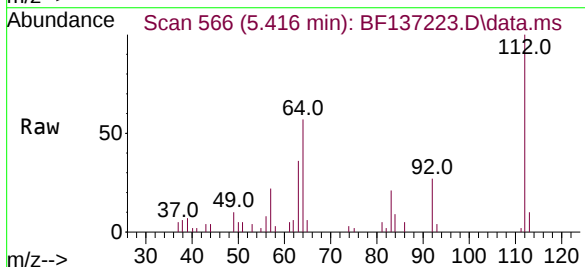
Instrument :
 BNA_F
 ClientSampleId :
 TP-40DL2

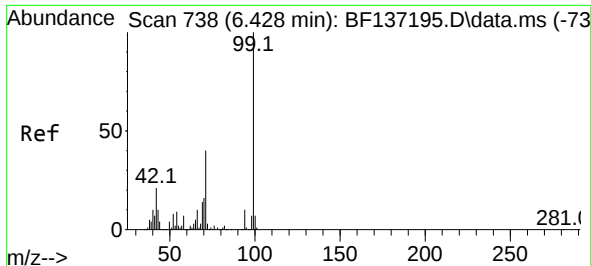
Tgt Ion:152 Resp: 46671
 Ion Ratio Lower Upper
 152 100
 150 160.0 129.8 194.8
 115 70.0 58.5 87.7



#5
 2-Fluorophenol
 Concen: 3.940 ng
 RT: 5.416 min Scan# 566
 Delta R.T. 0.000 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Tgt Ion:112 Resp: 11144
 Ion Ratio Lower Upper
 112 100
 64 56.7 57.8 86.6#
 63 35.5 31.4 47.0

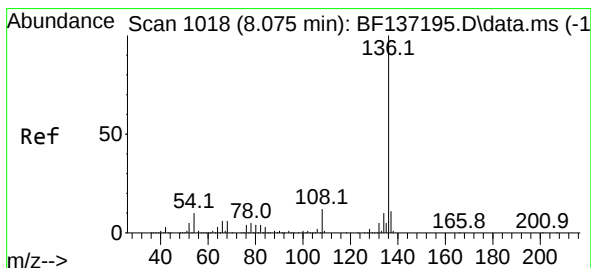
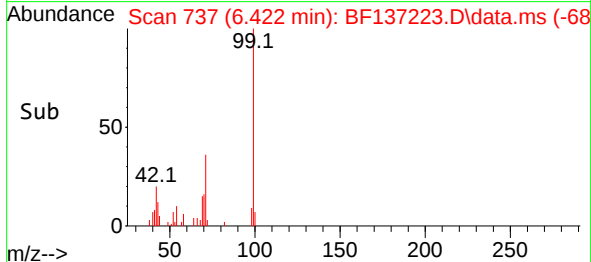
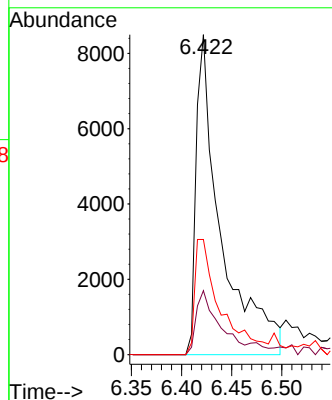
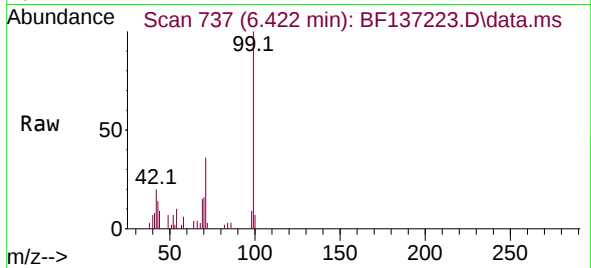




#7
Phenol-d6
Concen: 3.619 ng
RT: 6.422 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

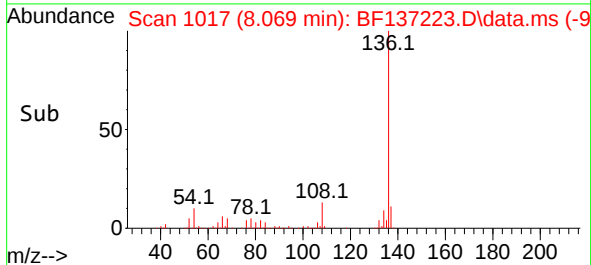
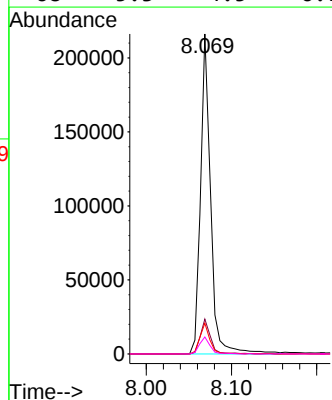
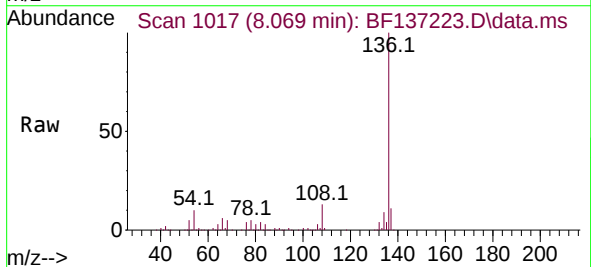
Instrument :
BNA_F
ClientSampleId :
TP-40DL2

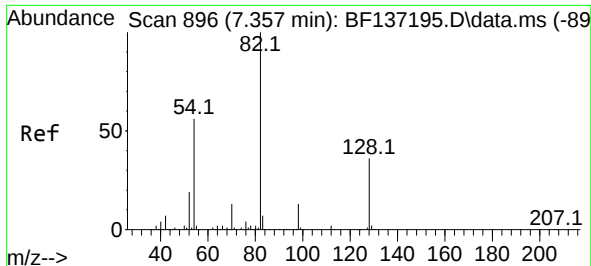
Tgt Ion: 99	Resp: 14606
Ion Ratio	Lower Upper
99 100	
42 20.0	16.4 24.6
71 36.0	32.4 48.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

Tgt Ion: 136	Resp: 177463
Ion Ratio	Lower Upper
136 100	
137 10.9	8.9 13.3
54 9.6	7.8 11.8
68 5.3	4.5 6.7

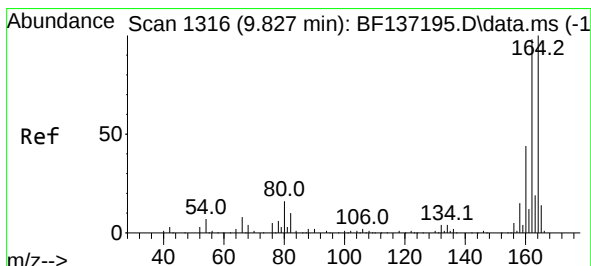
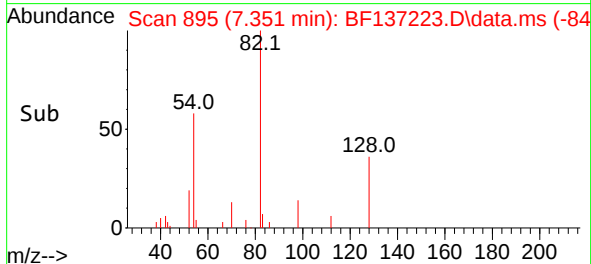
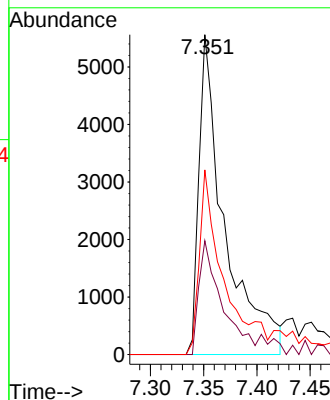
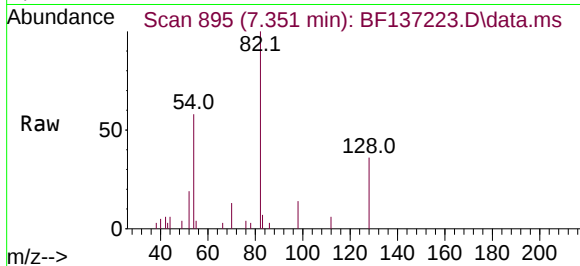




#23
Nitrobenzene-d5
Concen: 2.360 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

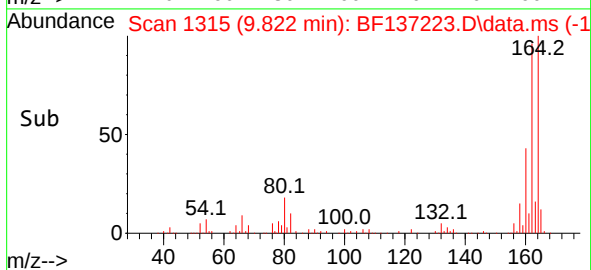
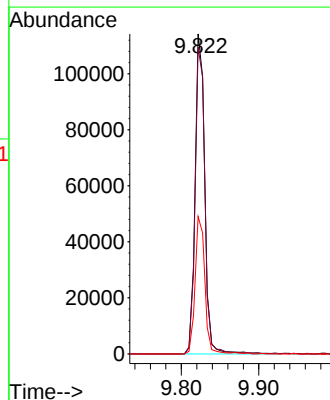
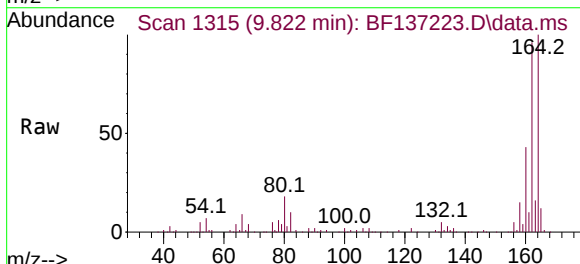
Instrument :
BNA_F
ClientSampleId :
TP-40DL2

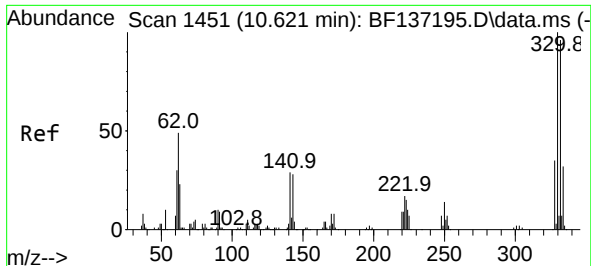
Tgt Ion:	82	Resp:	9354
Ion	Ratio	Lower	Upper
82	100		
128	35.6	29.1	43.7
54	57.7	45.0	67.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

Tgt Ion:	164	Resp:	98629
Ion	Ratio	Lower	Upper
164	100		
162	95.8	78.3	117.5
160	42.9	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 4.071 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF137223.D

Acq: 31 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

TP-40DL2

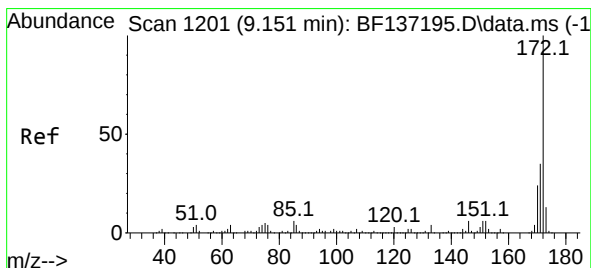
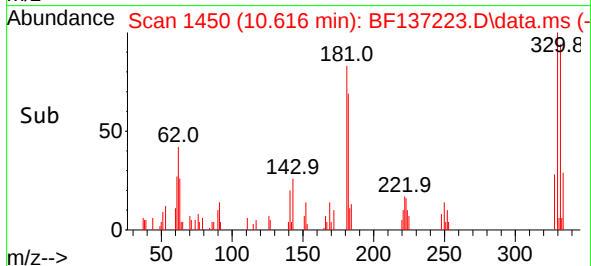
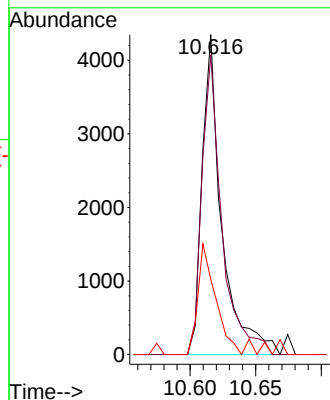
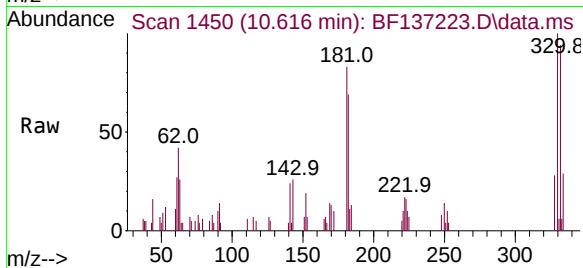
Tgt Ion:330 Resp: 4535

Ion Ratio Lower Upper

330 100

332 95.1 77.3 115.9

141 31.1 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 2.713 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF137223.D

Acq: 31 Jan 2024 21:28

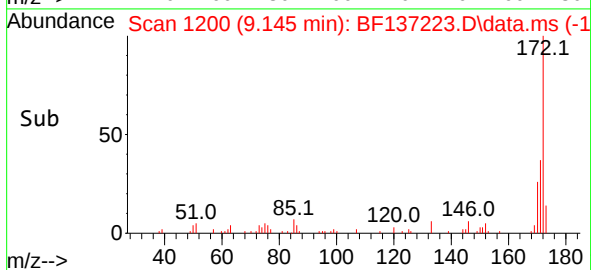
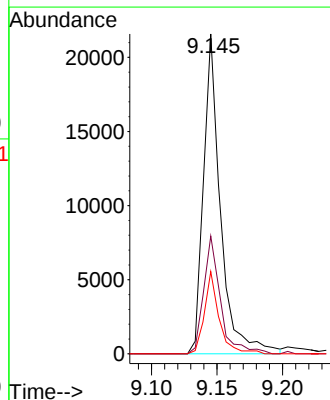
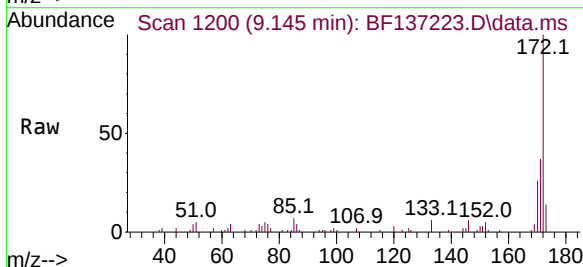
Tgt Ion:172 Resp: 19464

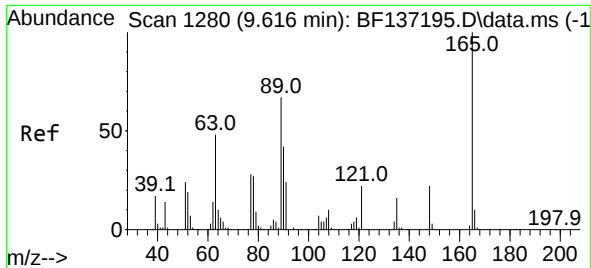
Ion Ratio Lower Upper

172 100

171 36.8 28.3 42.5

170 25.7 19.1 28.7

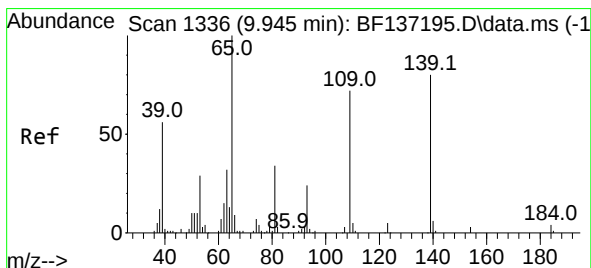
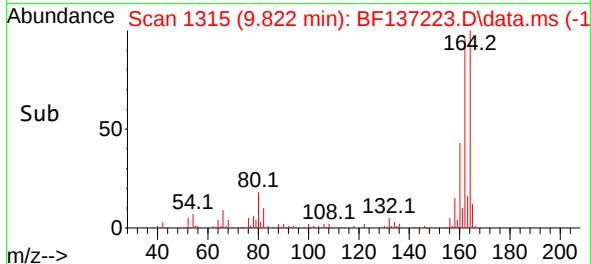
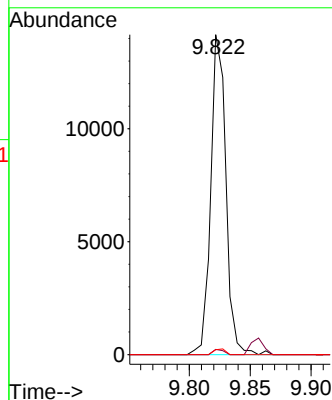
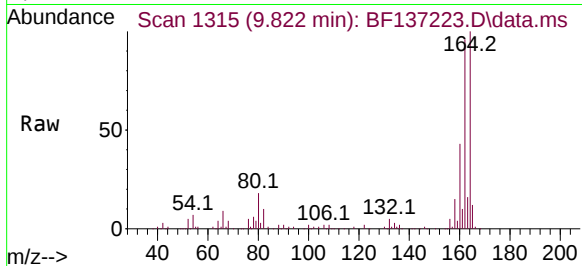




#51
2,6-Dinitrotoluene
Concen: 8.675 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

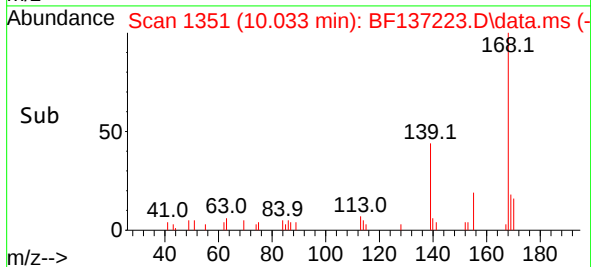
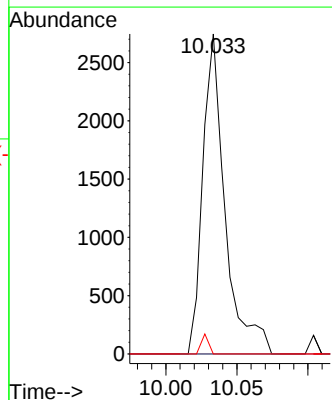
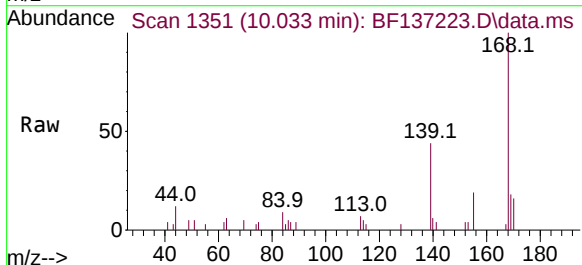
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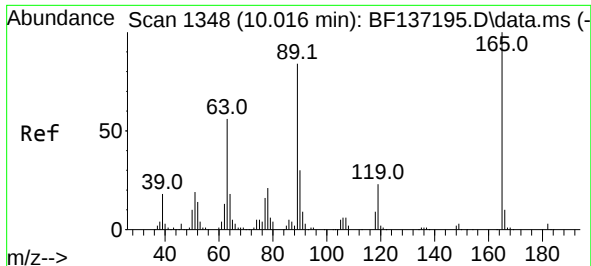
Tgt Ion:165 Resp: 12326
Ion Ratio Lower Upper
165 100
63 1.6 55.1 82.7#
89 1.5 53.5 80.3#



#56
4-Nitrophenol
Concen: 10.684 ng
RT: 10.033 min Scan# 1351
Delta R.T. 0.088 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

Tgt Ion:139 Resp: 2989
Ion Ratio Lower Upper
139 100
109 0.0 70.4 110.4#
65 0.0 107.6 147.6#

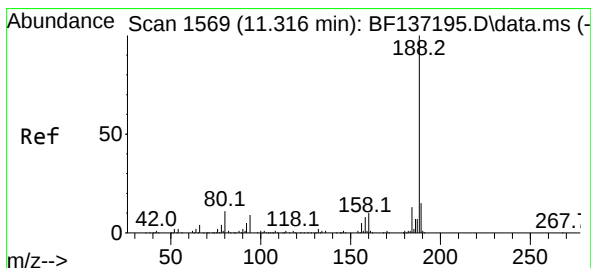
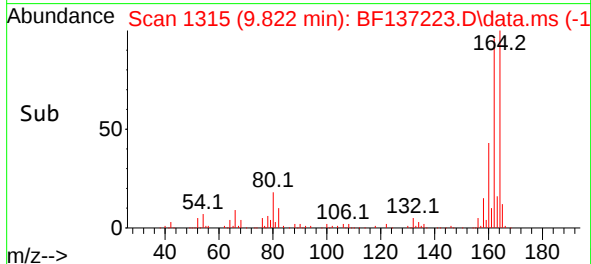
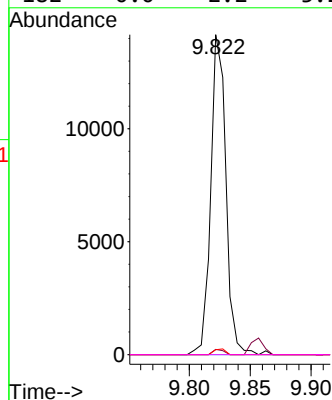
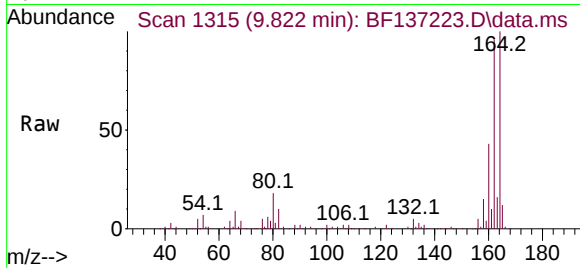




#57
2,4-Dinitrotoluene
Concen: 6.686 ng
RT: 9.822 min Scan# 1348
Delta R.T. -0.194 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

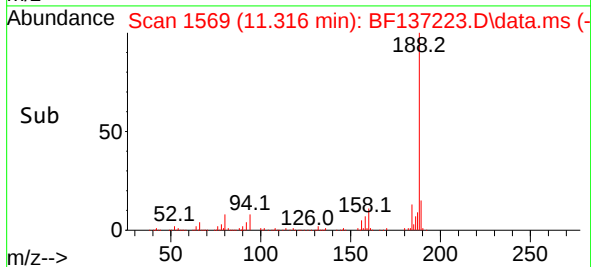
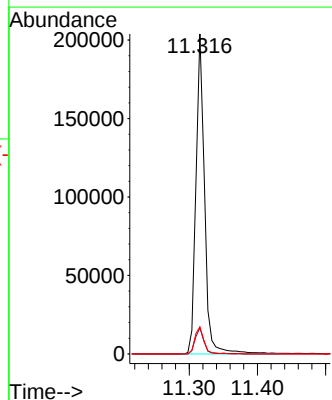
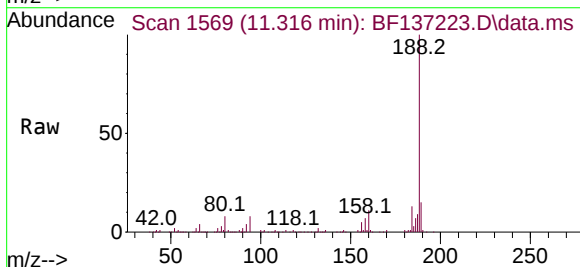
Instrument :
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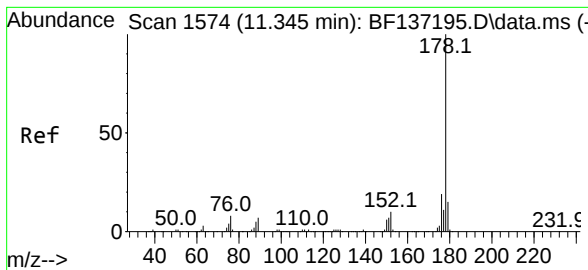
Tgt Ion:165 Resp: 12326
Ion Ratio Lower Upper
165 100
63 1.6 46.1 69.1#
89 1.5 67.5 101.3#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

Tgt Ion:188 Resp: 179621
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.4
80 8.5 8.8 13.2#

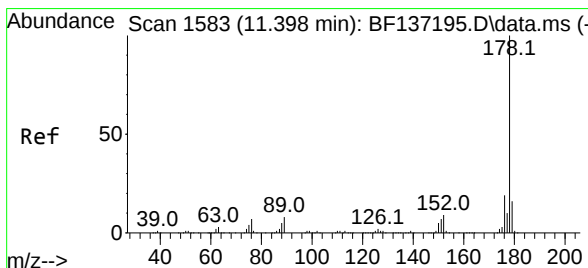
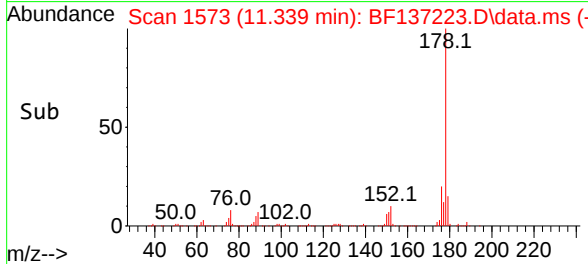
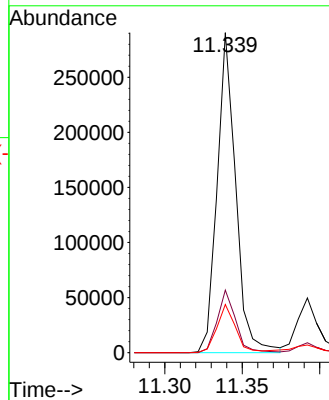
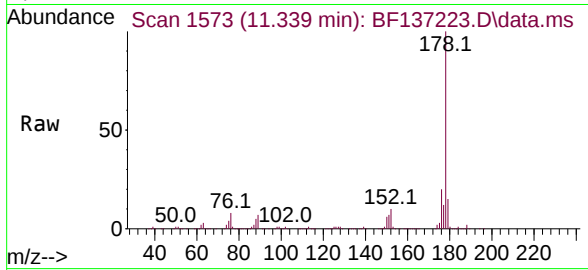




#71
Phenanthrene
Concen: 25.928 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

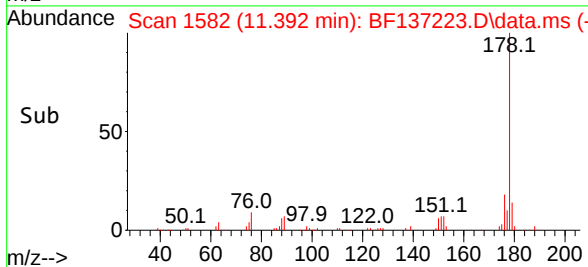
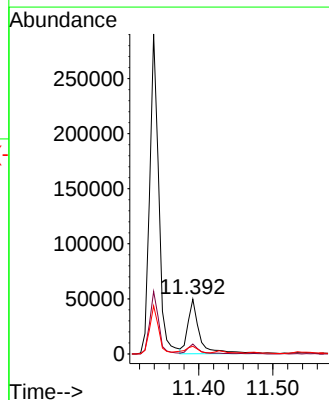
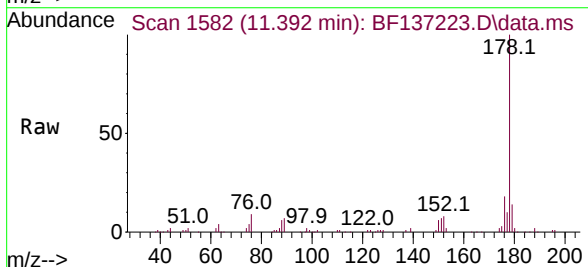
Instrument :
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ClientSampleId :
TP-40DL2

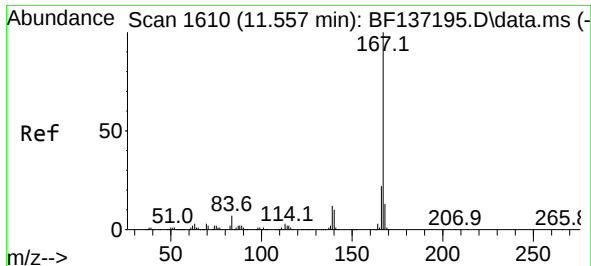
Tgt Ion:178 Resp: 243808
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 15.0 12.1 18.1



#72
Anthracene
Concen: 5.497 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

Tgt Ion:178 Resp: 53873
Ion Ratio Lower Upper
178 100
176 18.2 15.3 22.9
179 13.8 12.7 19.1

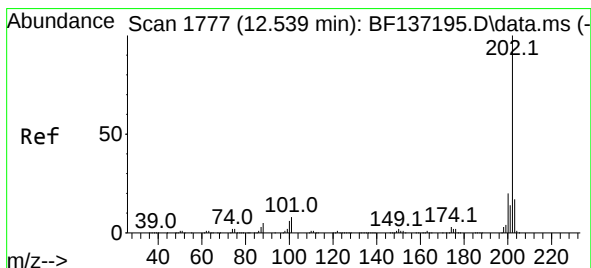
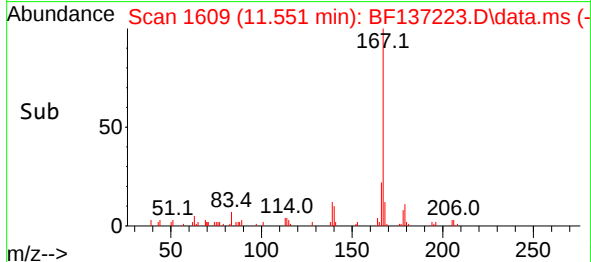
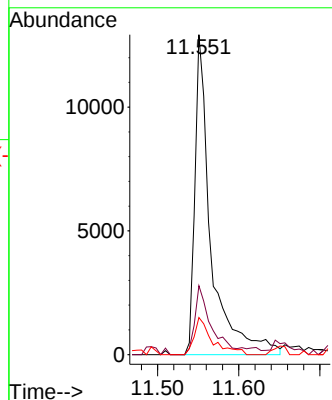
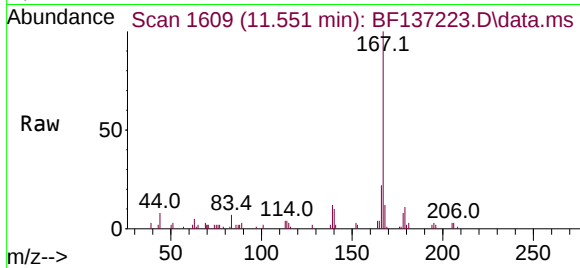




#73
 Carbazole
 Concen: 2.161 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

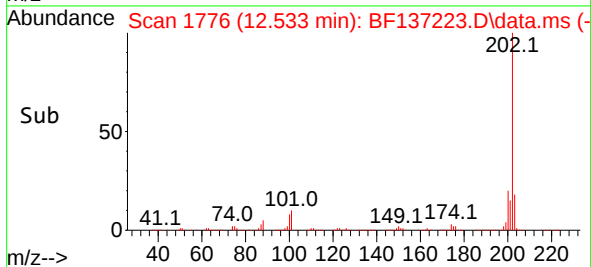
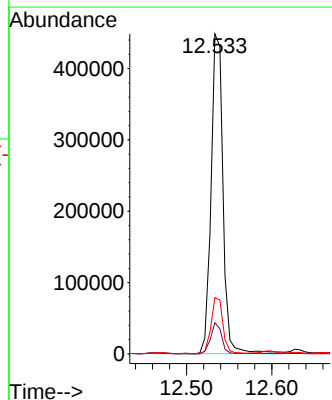
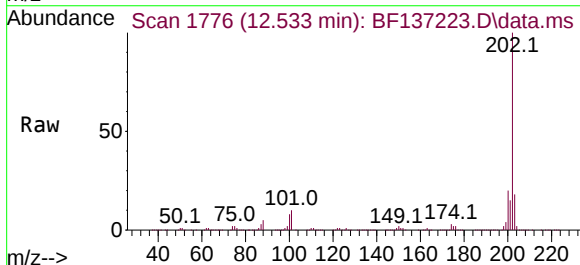
Instrument :
 BNA_F
 ClientSampleId :
 TP-40DL2

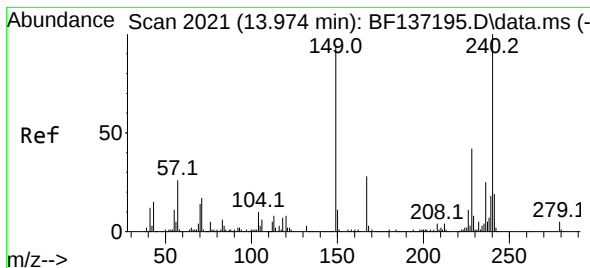
Tgt Ion:167	Resp:	17699
Ion Ratio	Lower	Upper
167	100	
166	21.5	17.6 26.4
139	11.6	9.7 14.5



#75
 Fluoranthene
 Concen: 44.291 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Tgt Ion:202	Resp:	435811
Ion Ratio	Lower	Upper
202	100	
101	9.7	0.0 28.4
203	17.6	0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF137223.D

Acq: 31 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

TP-40DL2

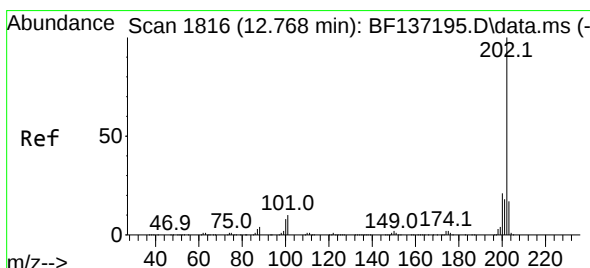
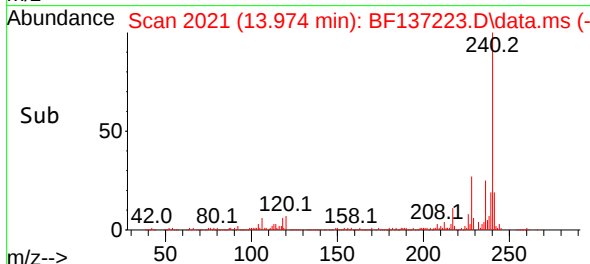
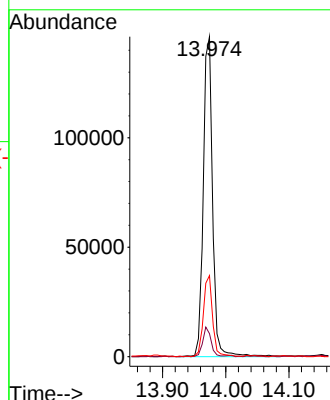
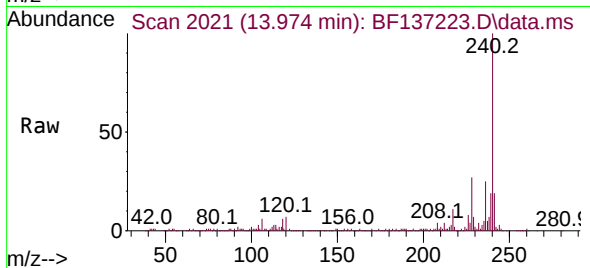
Tgt Ion:240 Resp: 149681

Ion Ratio Lower Upper

240 100

120 7.2 6.3 9.5

236 25.3 20.3 30.5



#78

Pyrene

Concen: 28.434 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137223.D

Acq: 31 Jan 2024 21:28

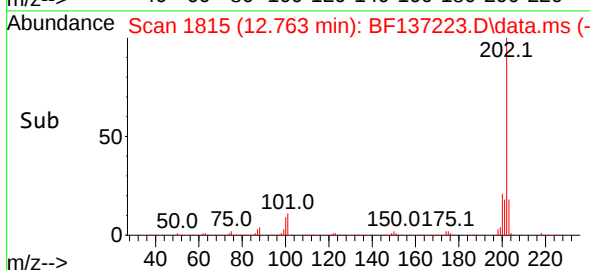
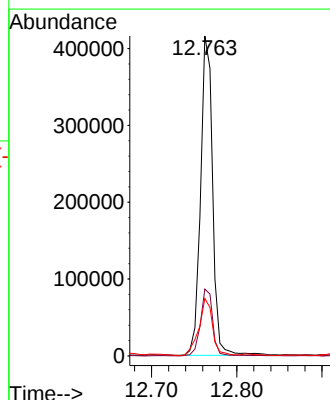
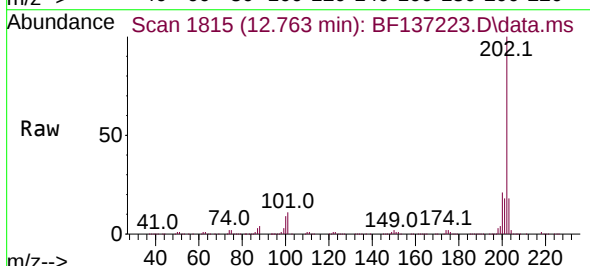
Tgt Ion:202 Resp: 409012

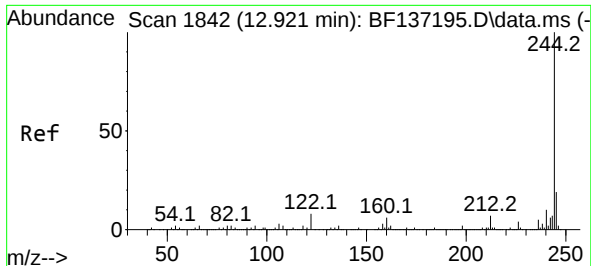
Ion Ratio Lower Upper

202 100

200 20.9 16.5 24.7

203 17.9 13.8 20.6

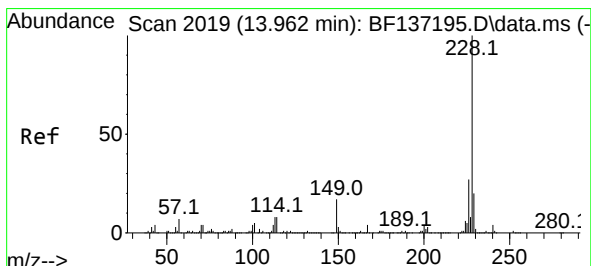
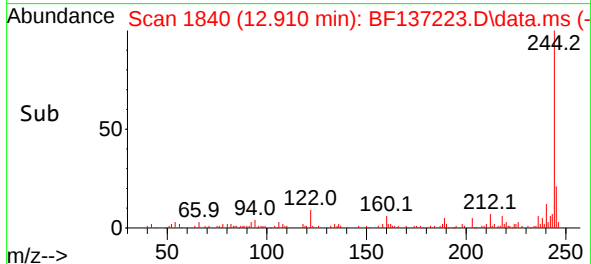
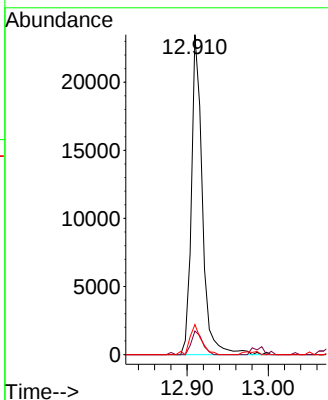
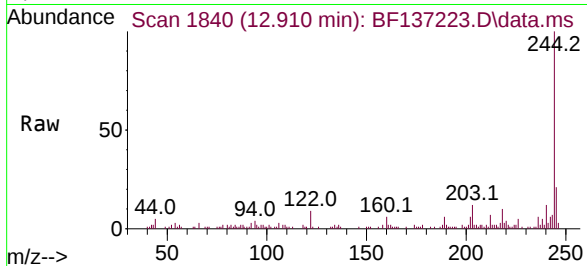




#79
 Terphenyl-d14
 Concen: 1.995 ng
 RT: 12.910 min Scan# 1842
 Delta R.T. -0.012 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

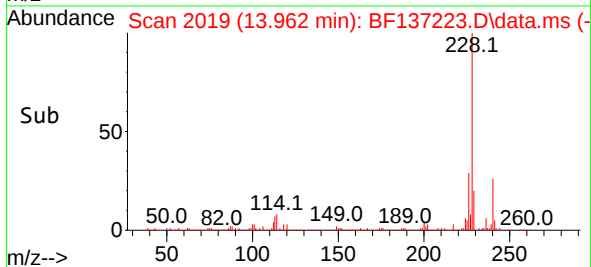
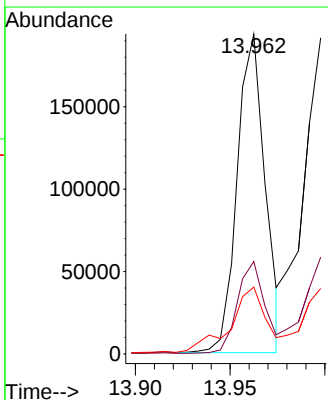
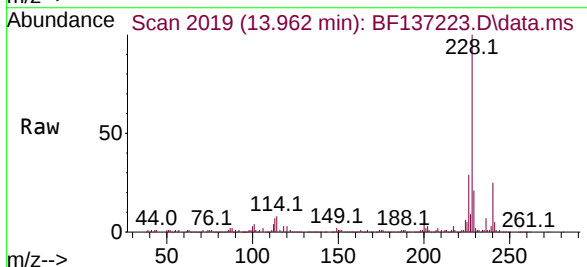
Instrument :
 BNA_F
 ClientSampleId :
 TP-40DL2

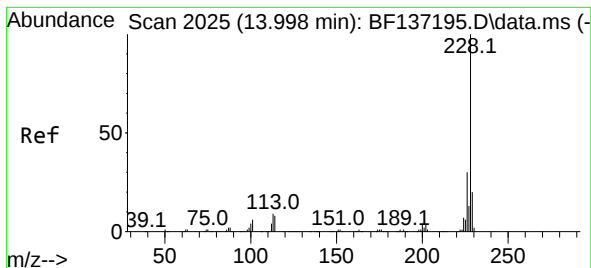
Tgt Ion:244 Resp: 21970
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.5 8.3
 122 9.4 6.2 9.4



#81
 Benzo(a)anthracene
 Concen: 18.706 ng
 RT: 13.962 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Tgt Ion:228 Resp: 198294
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.6 32.4
 229 20.9 15.8 23.6





#83

Chrysene

Concen: 19.225 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF137223.D

Acq: 31 Jan 2024 21:28

Instrument :

BNA_F

ClientSampleId :

TP-40DL2

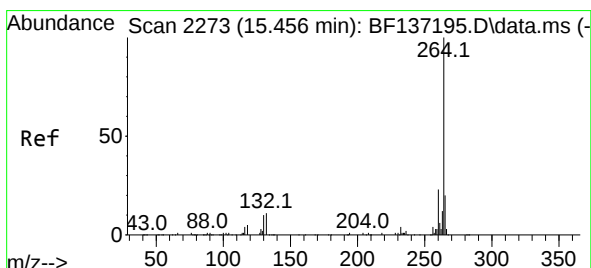
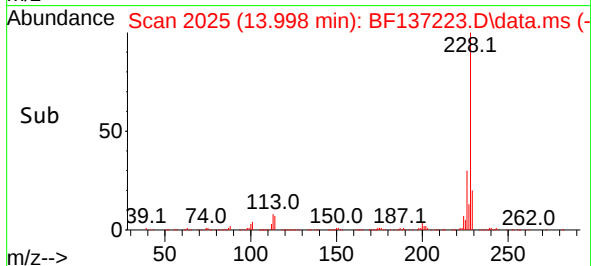
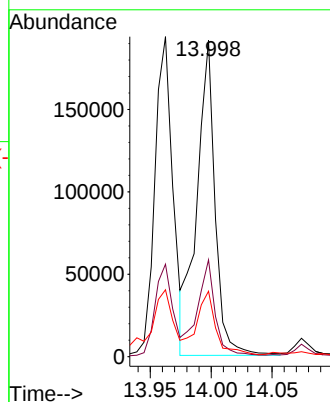
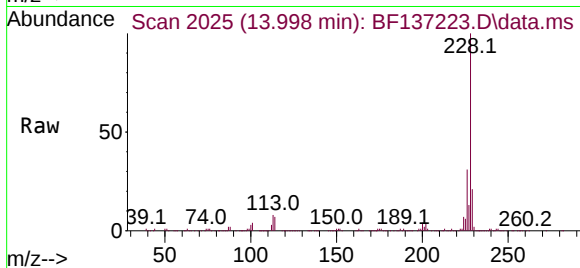
Tgt Ion:228 Resp: 200359

Ion Ratio Lower Upper

228 100

226 30.6 23.7 35.5

229 20.7 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF137223.D

Acq: 31 Jan 2024 21:28

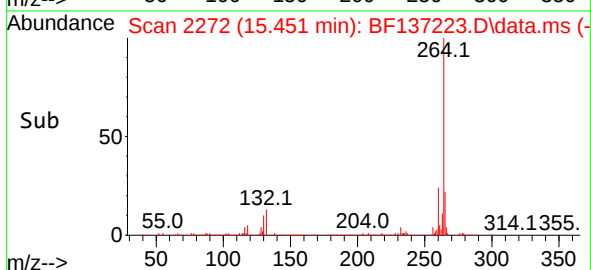
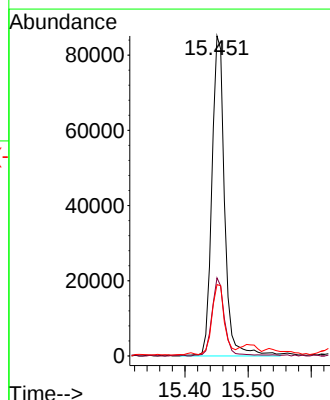
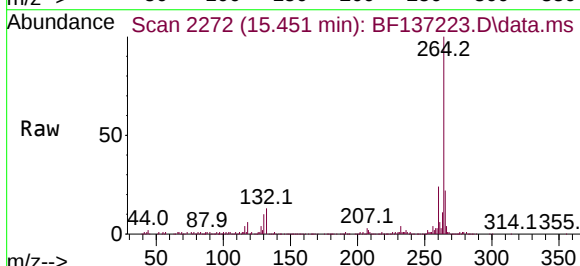
Tgt Ion:264 Resp: 119298

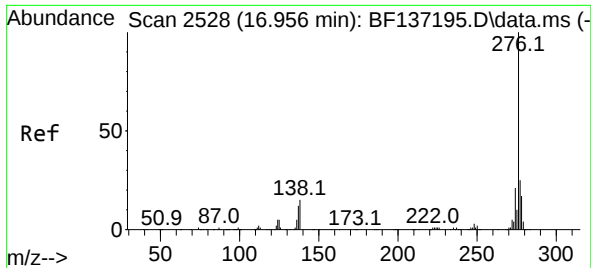
Ion Ratio Lower Upper

264 100

260 24.4 18.2 27.4

265 22.3 16.2 24.2

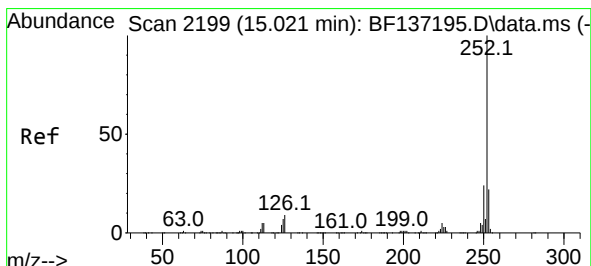
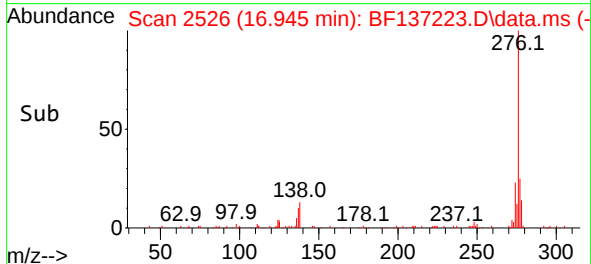
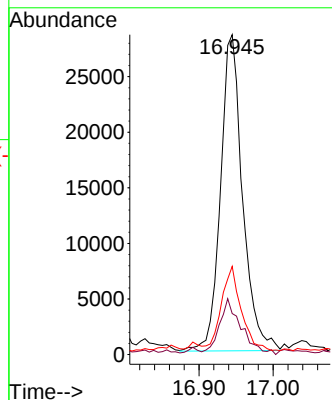
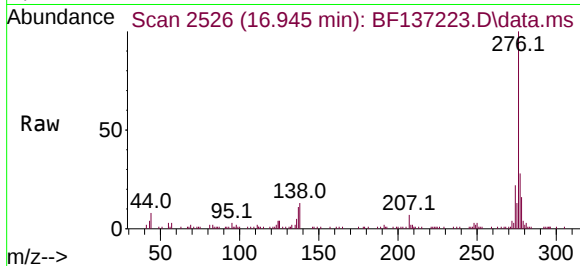




#87
Indeno(1,2,3-cd)pyrene
Concen: 7.025 ng
RT: 16.945 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

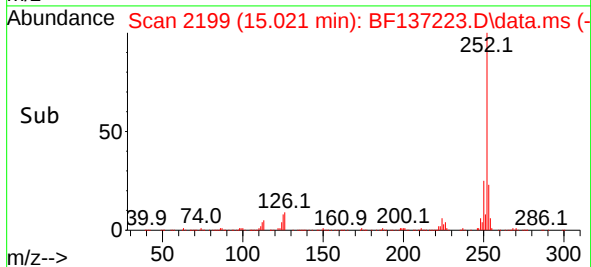
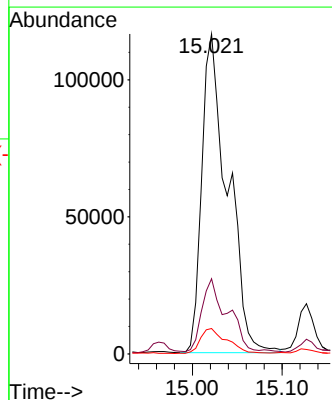
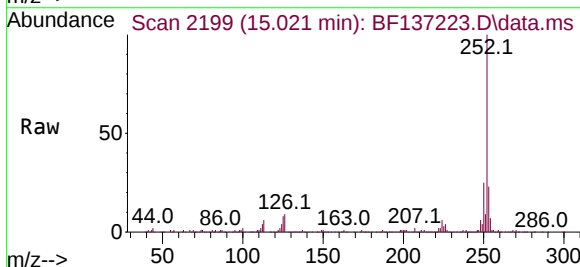
Instrument :
BNA_F
ClientSampleId :
TP-40DL2

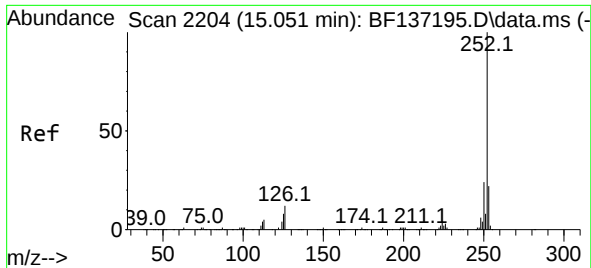
Tgt Ion:276 Resp: 58882
Ion Ratio Lower Upper
276 100
138 17.5 14.6 21.8
277 24.3 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 31.822 ng
RT: 15.021 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

Tgt Ion:252 Resp: 233467
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 7.9 5.4 8.2

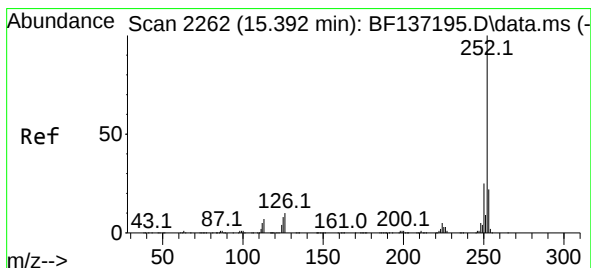
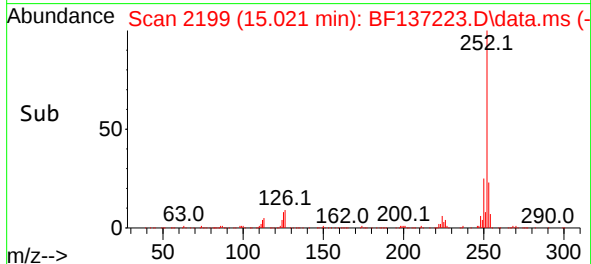
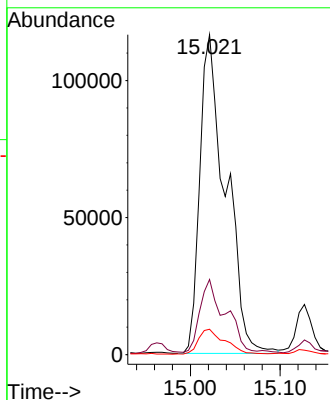
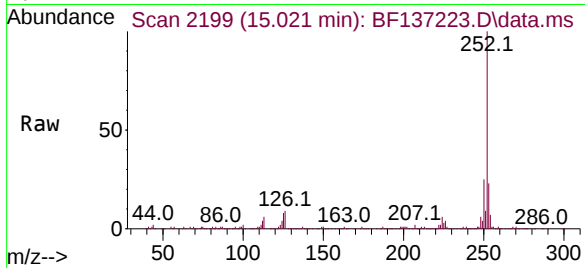




#89
Benzo(k)fluoranthene
Concen: 30.080 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.029 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

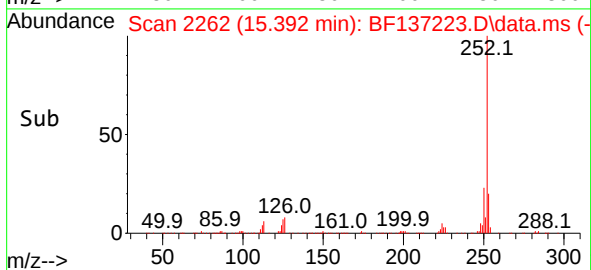
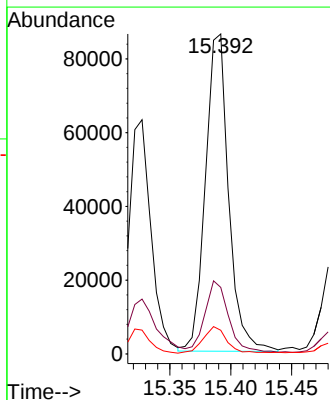
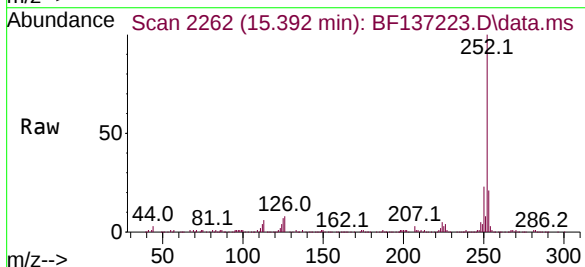
Instrument :
BNA_F
ClientSampleId :
TP-40DL2

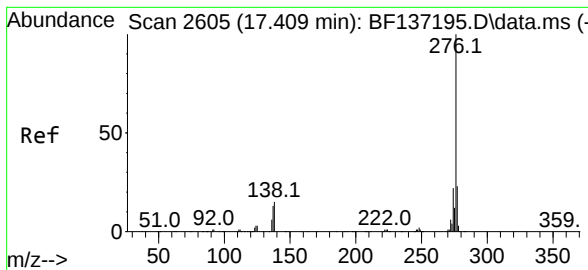
Tgt Ion:252 Resp: 233467
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 7.9 5.9 8.9



#90
Benzo(a)pyrene
Concen: 16.548 ng
RT: 15.392 min Scan# 2262
Delta R.T. 0.000 min
Lab File: BF137223.D
Acq: 31 Jan 2024 21:28

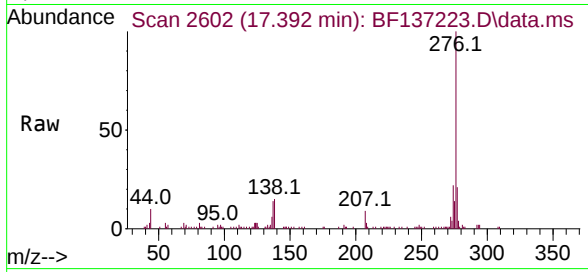
Tgt Ion:252 Resp: 114250
Ion Ratio Lower Upper
252 100
253 20.8 17.8 26.6
125 7.4 6.5 9.7





#92
 Benzo(g,h,i)perylene
 Concen: 8.521 ng
 RT: 17.392 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Instrument :
 BNA_F
 ClientSampleId :
 TP-40DL2



Tgt Ion:276	Resp:	56168
Ion	Ratio	Lower Upper
276	100	
277	20.7	18.4 27.6
138	15.2	11.8 17.8

