

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 :

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

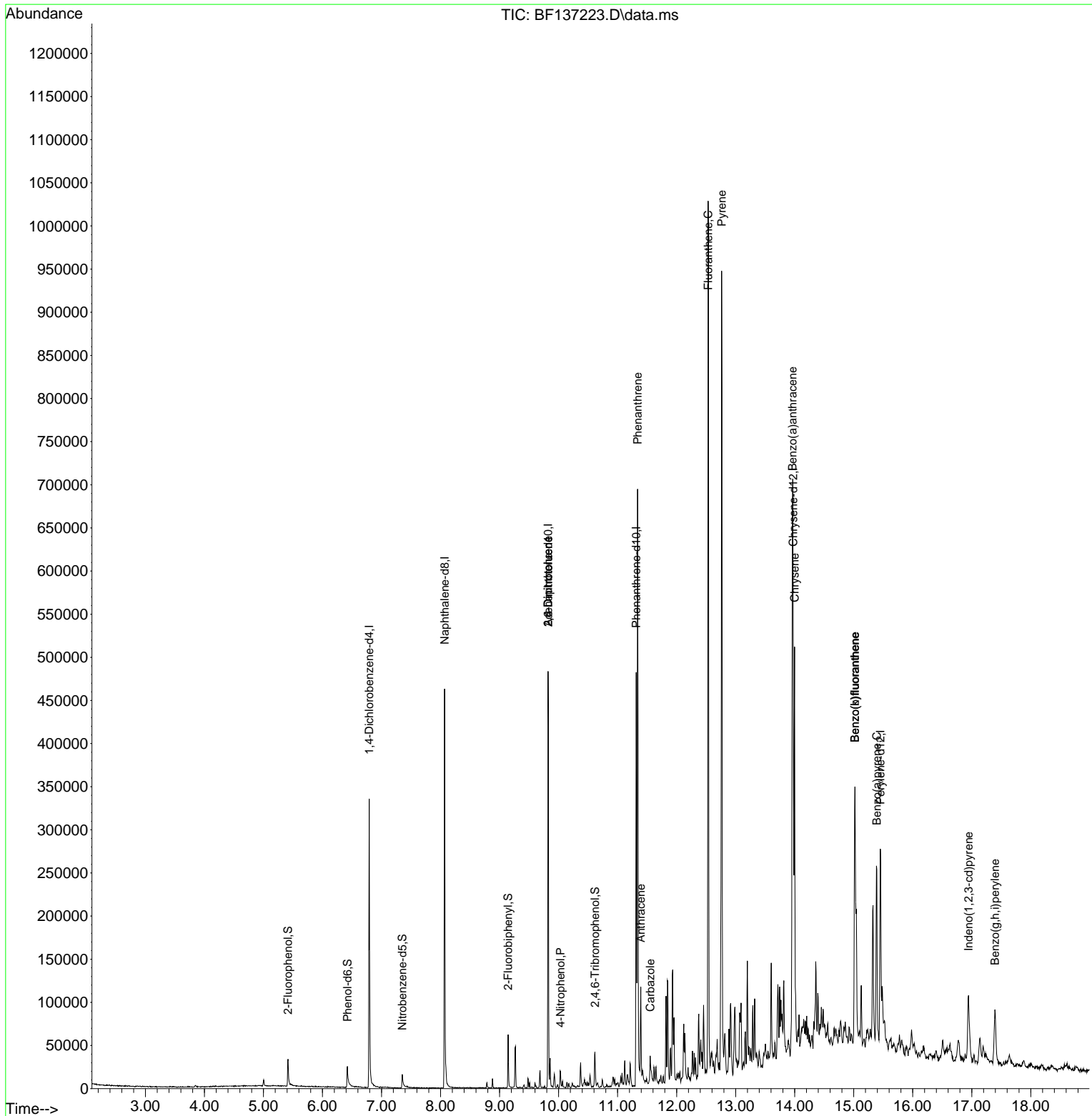
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	46671	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	177463	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	98629	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	179621	20.000	ng	# 0.00
76) Chrysene-d12	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						
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

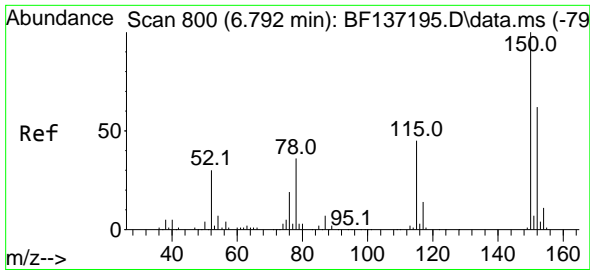
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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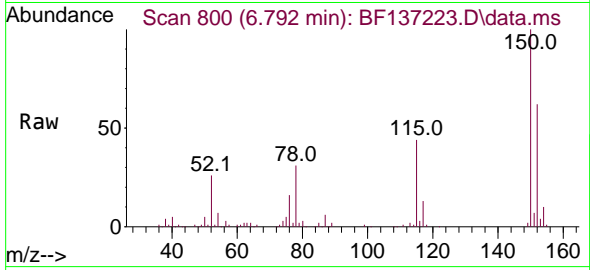
Quant Time: Feb 01 01:23:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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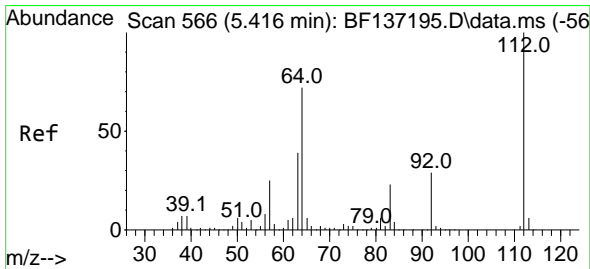
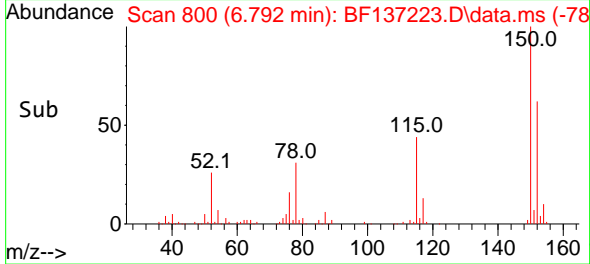
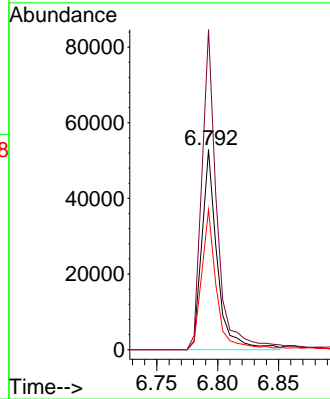


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Instrument :
 BNA_F
 ClientSampleId :

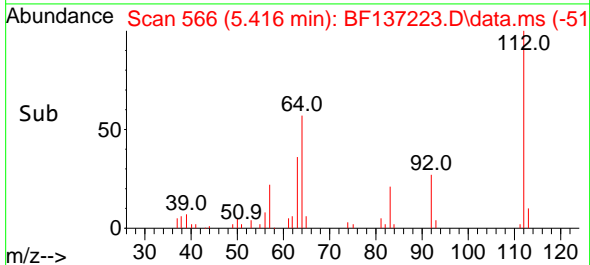
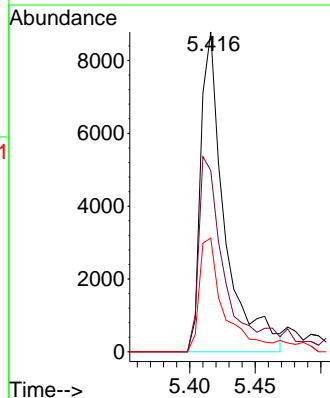
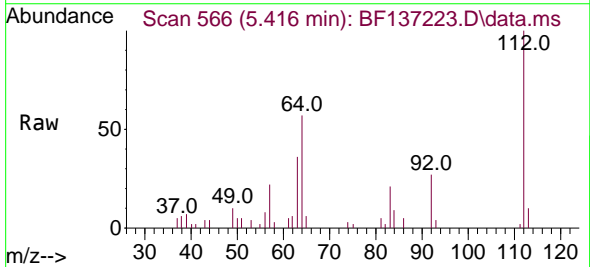


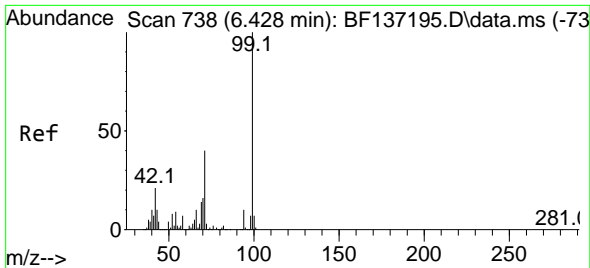
Tgt Ion:152 Resp: 46671
 Ion Ratio Lower Upper
 152 100
 150 160.0 129.8 194.8
 115 70.0 58.5 87.7



#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

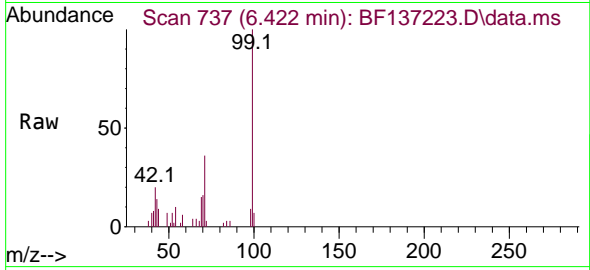
Tgt Ion:112 Resp: 11144
 Ion Ratio Lower Upper
 112 100
 64 56.7 57.8 86.6#
 63 35.5 31.4 47.0





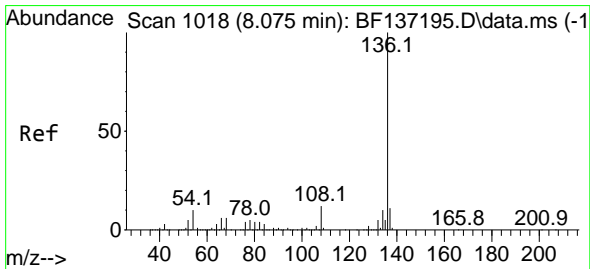
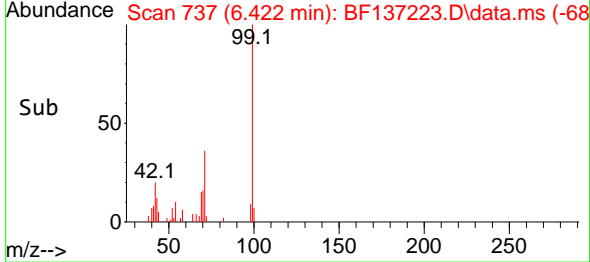
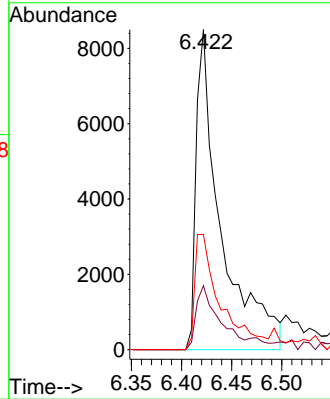
#7
 Phenol-d6
 Concen: 3.619 ng
 RT: 6.422 min Scan# 738
 Delta R.T. -0.006 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Instrument :
 BNA_F
 Client SampleId :

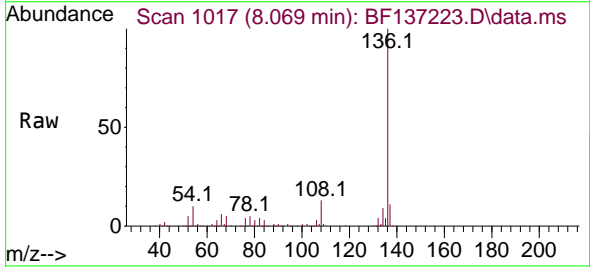


Tgt Ion: 99 Resp: 14606

Ion	Ratio	Lower	Upper
99	100		
42	20.0	16.4	24.6
71	36.0	32.4	48.6

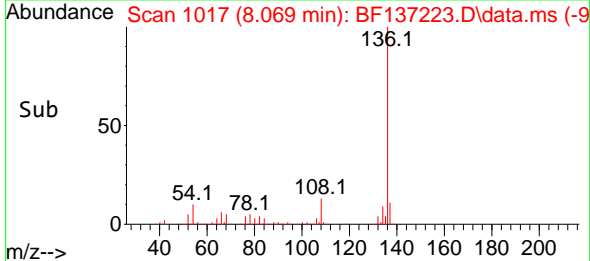
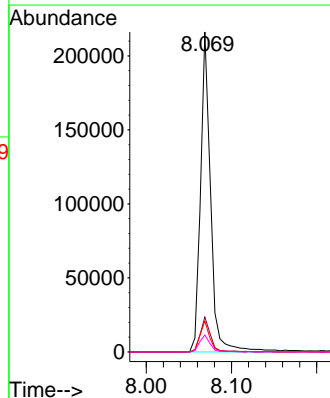


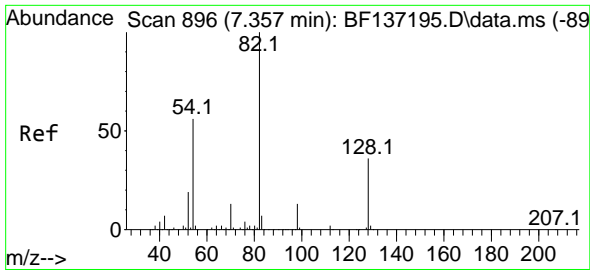
#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.069 min Scan# 1017
 Delta R.T. -0.006 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28



Tgt Ion: 136 Resp: 177463

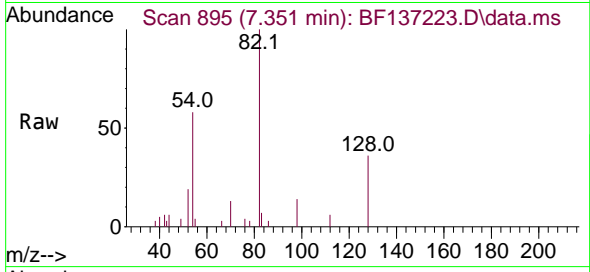
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.6	7.8	11.8
68	5.3	4.5	6.7





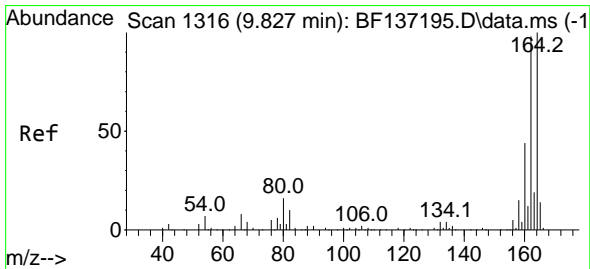
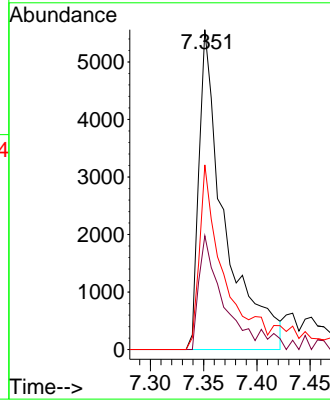
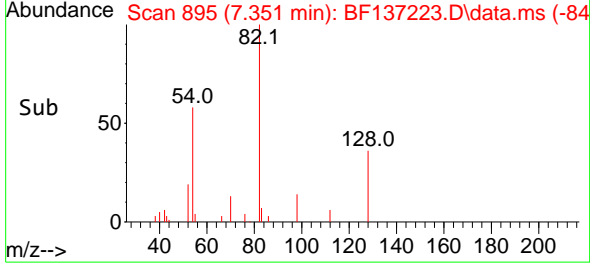
#23
 Nitrobenzene-d5
 Concen: 2.360 ng
 RT: 7.351 min Scan# 89
 Delta R.T. -0.006 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Instrument :
 BNA_F
 ClientSampleId :

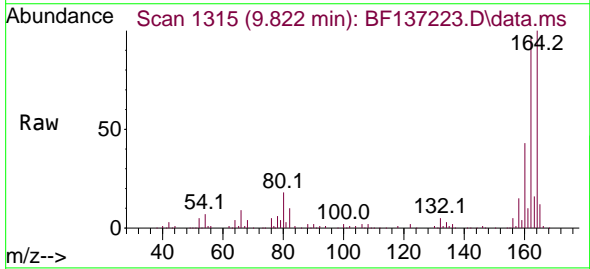


Tgt Ion: 82 Resp: 9354

Ion	Ratio	Lower	Upper
82	100		
128	35.6	29.1	43.7
54	57.7	45.0	67.6

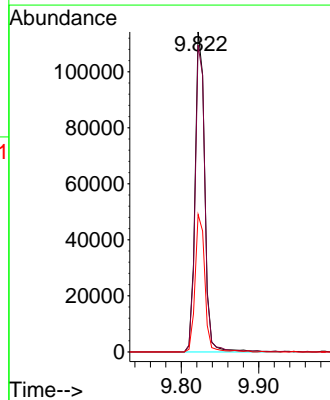
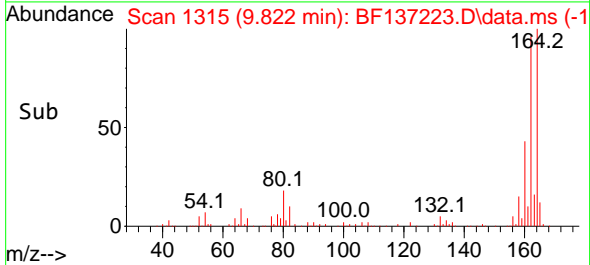


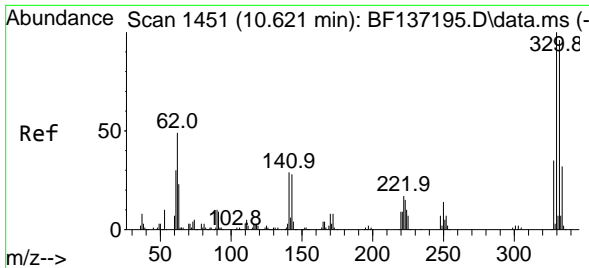
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.822 min Scan# 1315
 Delta R.T. -0.005 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28



Tgt Ion: 164 Resp: 98629

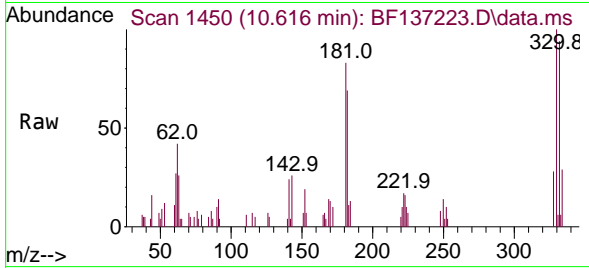
Ion	Ratio	Lower	Upper
164	100		
162	95.8	78.3	117.5
160	42.9	35.4	53.2





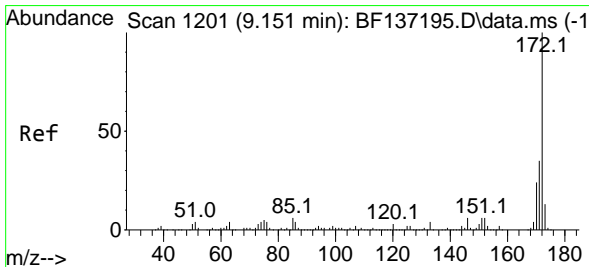
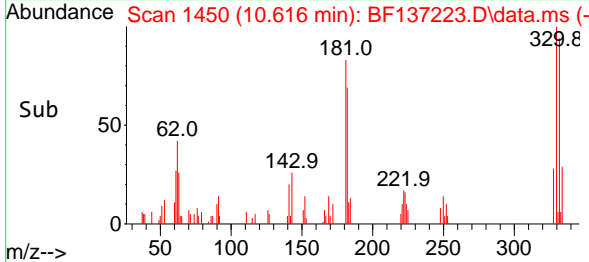
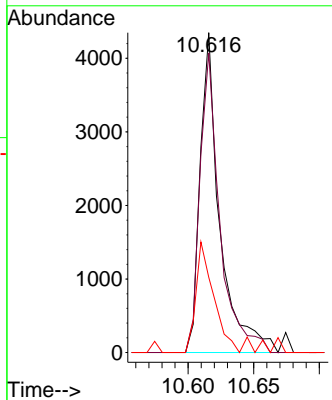
#42
 2,4,6-Tribromophenol
 Concen: 4.071 ng
 RT: 10.616 min Scan# 14
 Delta R.T. -0.006 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion: 330 Resp: 4535

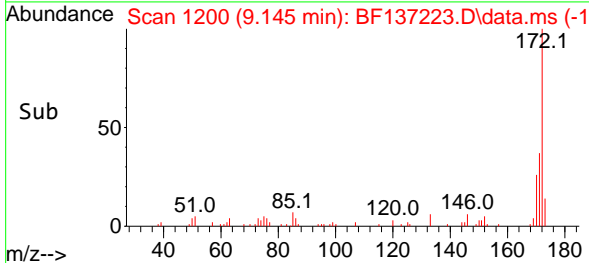
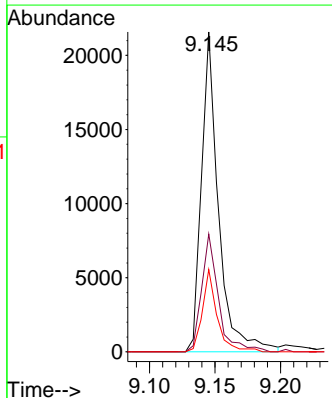
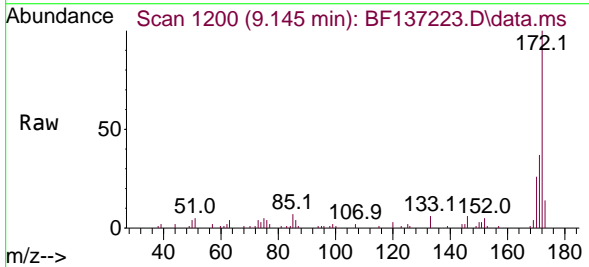
Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.3	115.9
141	31.1	25.2	37.8

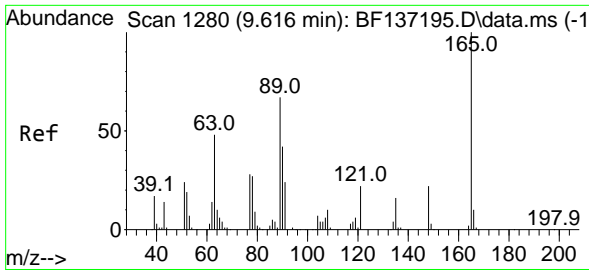


#45
 2-Fluorobiphenyl
 Concen: 2.713 ng
 RT: 9.145 min Scan# 1200
 Delta R.T. -0.006 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Tgt Ion: 172 Resp: 19464

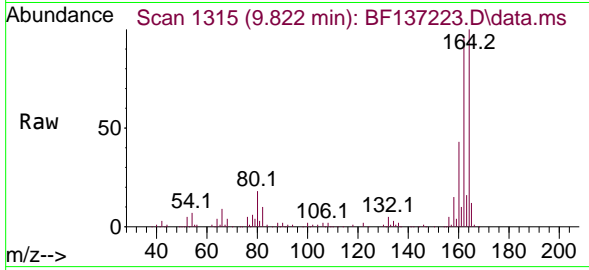
Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.3	42.5
170	25.7	19.1	28.7





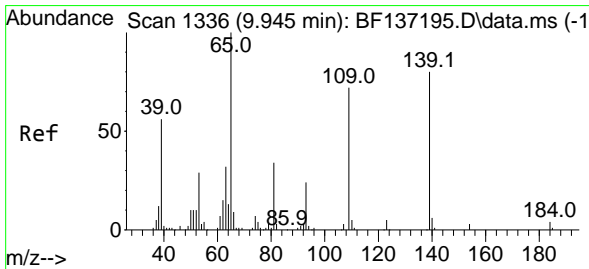
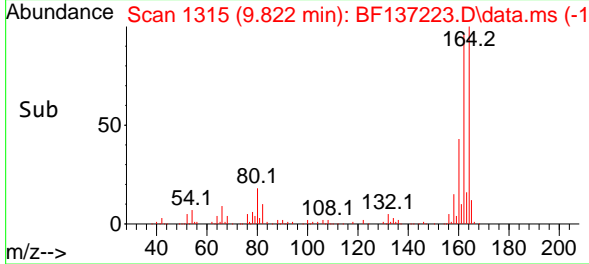
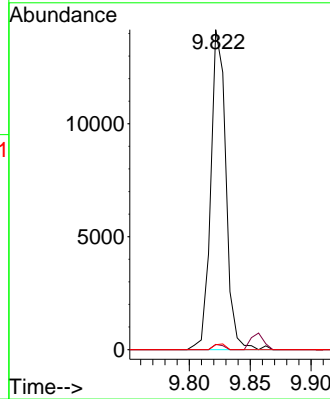
#51
 2,6-Dinitrotoluene
 Concen: 8.675 ng
 RT: 9.822 min Scan# 1315
 Delta R.T. 0.206 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:165 Resp: 12326

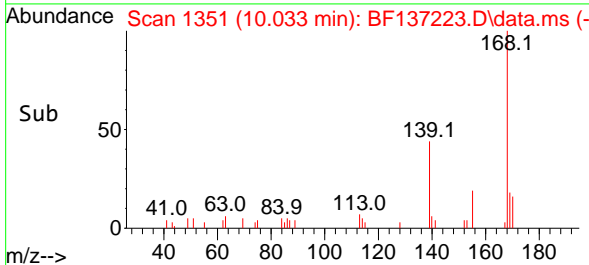
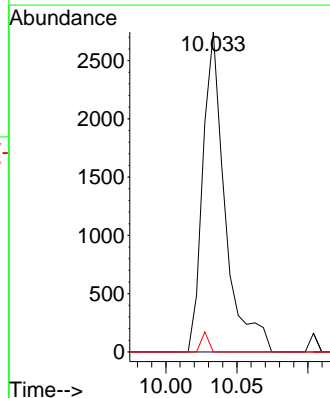
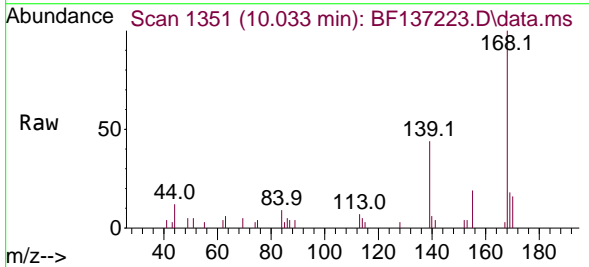
Ion	Ratio	Lower	Upper
165	100		
63	1.6	55.1	82.7#
89	1.5	53.5	80.3#

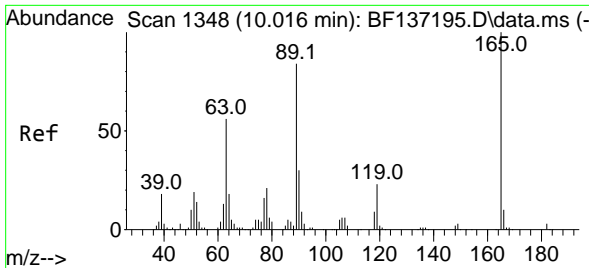


#56
 4-Nitrophenol
 Concen: 10.684 ng
 RT: 10.033 min Scan# 1351
 Delta R.T. 0.088 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Tgt Ion:139 Resp: 2989

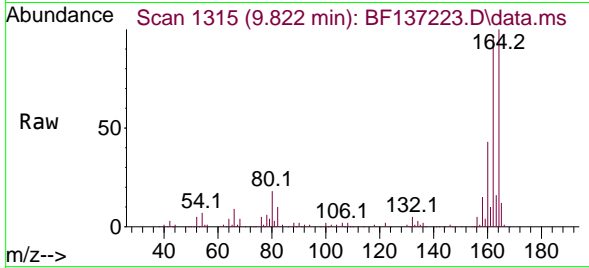
Ion	Ratio	Lower	Upper
139	100		
109	0.0	70.4	110.4#
65	0.0	107.6	147.6#



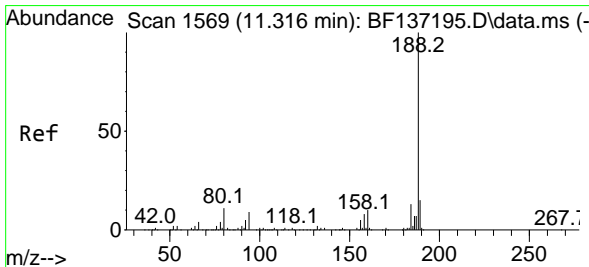
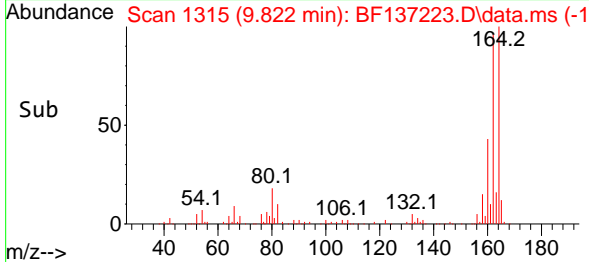
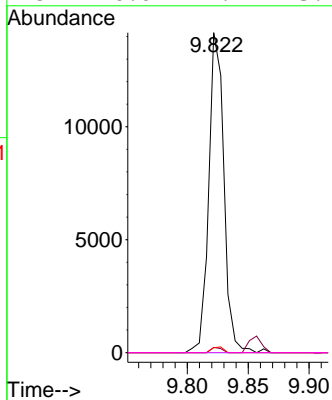


#57
 2,4-Dinitrotoluene
 Concen: 6.686 ng
 RT: 9.822 min Scan# 1348
 Delta R.T. -0.194 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Instrument : BNA_F
 ClientSampleId :

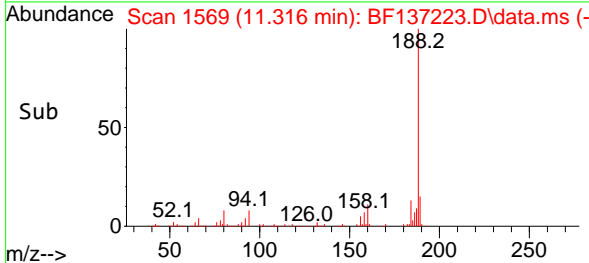
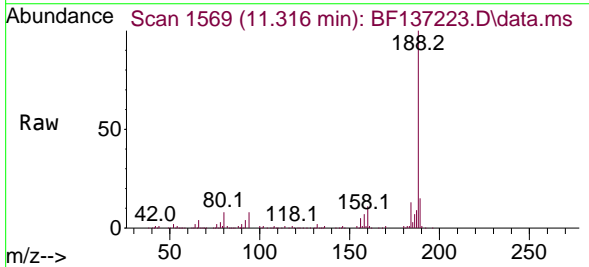
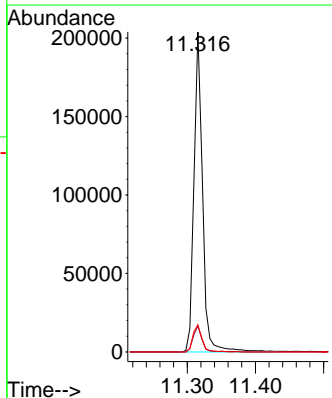


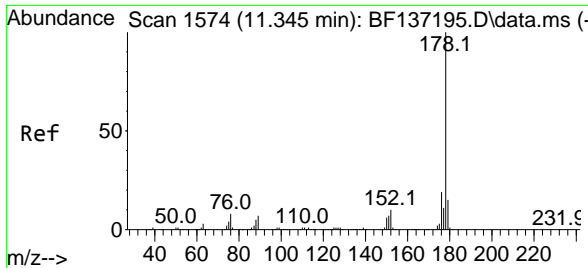
Tgt Ion:165 Resp: 12326
 Ion Ratio Lower Upper
 165 100
 63 1.6 46.1 69.1#
 89 1.5 67.5 101.3#
 182 0.0 2.2 3.2#



#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#



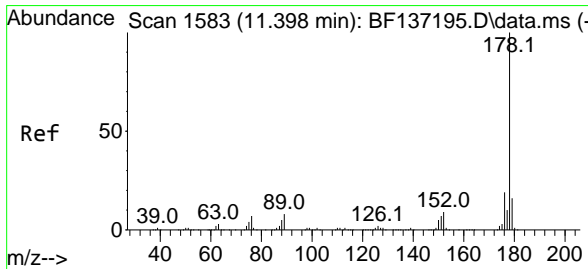
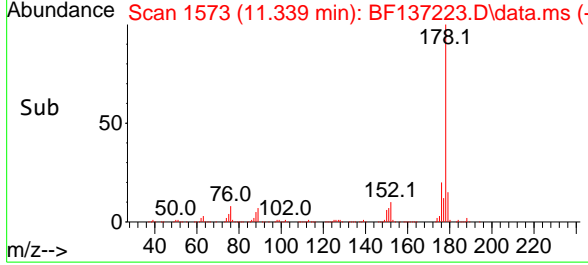
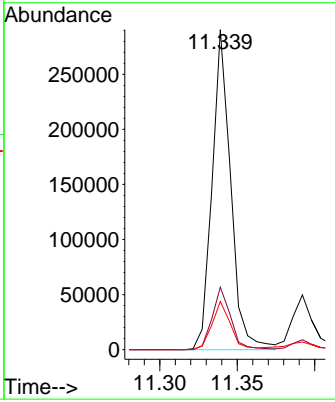
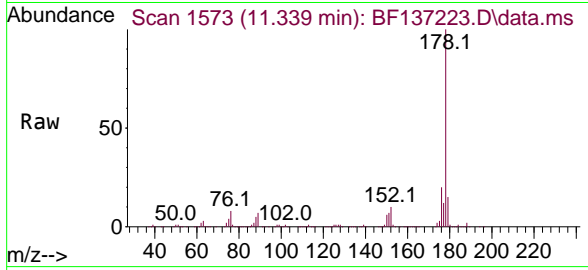


#71
 Phenanthrene
 Concen: 25.928 ng
 RT: 11.339 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Instrument : BNA_F
 ClientSampleId :

Tgt Ion:178 Resp: 243808

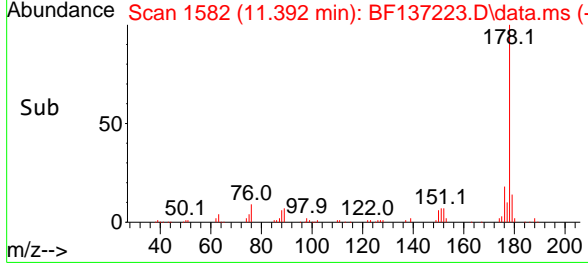
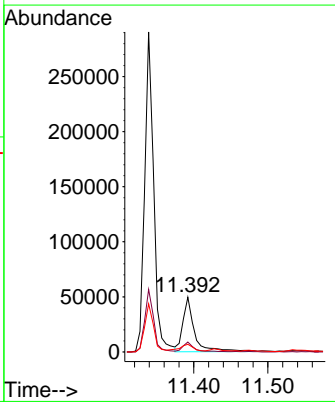
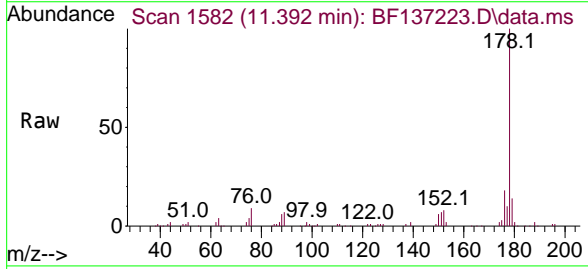
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	15.0	12.1	18.1

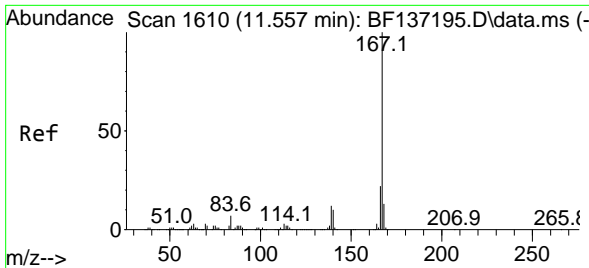


#72
 Anthracene
 Concen: 5.497 ng
 RT: 11.392 min Scan# 1582
 Delta R.T. -0.006 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Tgt Ion:178 Resp: 53873

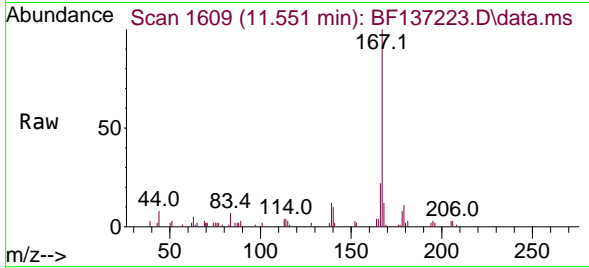
Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.3	22.9
179	13.8	12.7	19.1



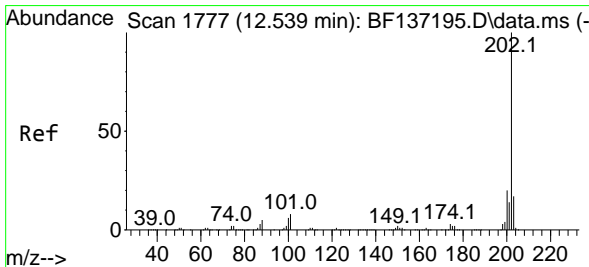
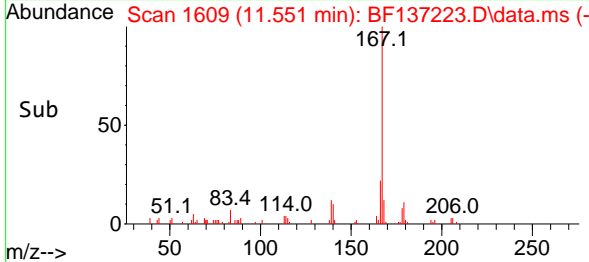
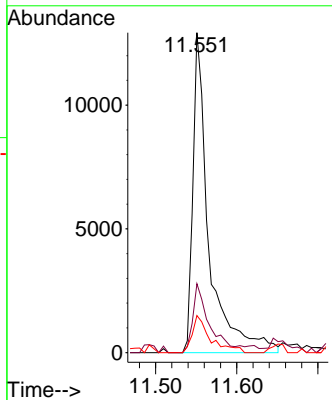


#73
 Carbazole
 Concen: 2.161 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Instrument :
 BNA_F
 ClientSampleId :

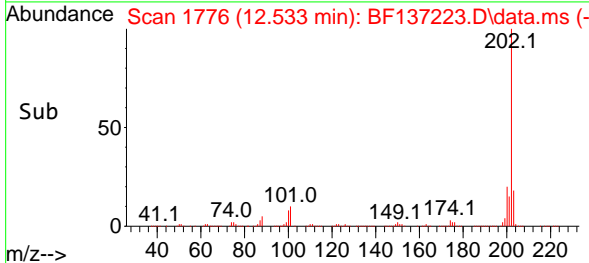
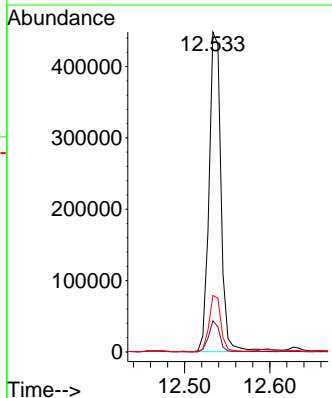
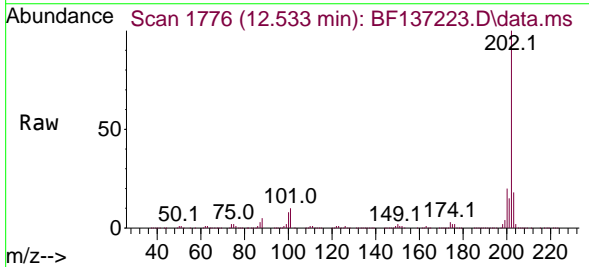


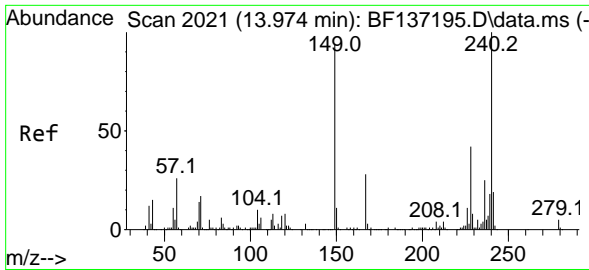
Tgt Ion:167 Resp: 17699
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.6 26.4
 139 11.6 9.7 14.5



#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

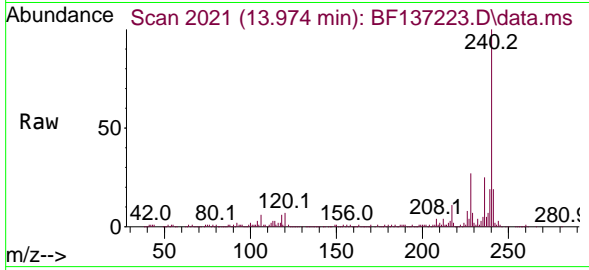
Tgt Ion:202 Resp: 435811
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 28.4
 203 17.6 0.0 37.3



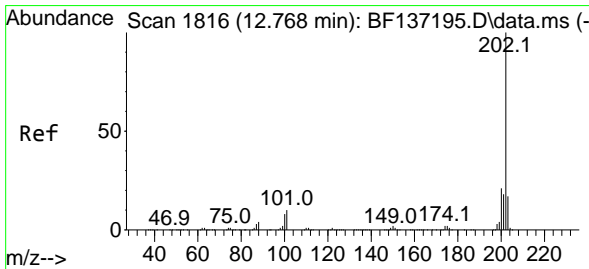
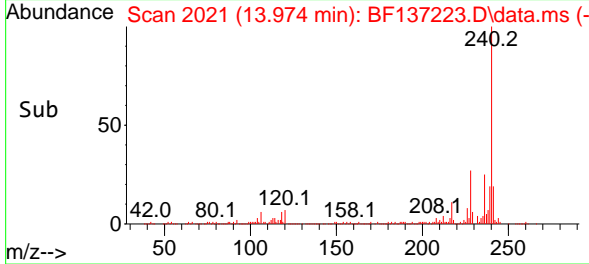
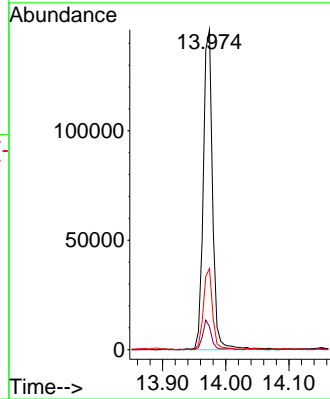


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.974 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Instrument :
 BNA_F
 ClientSampleId :

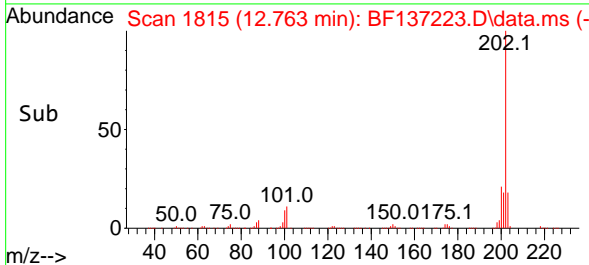
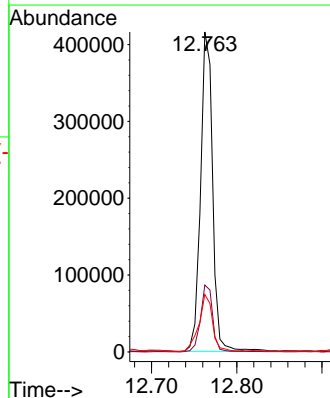
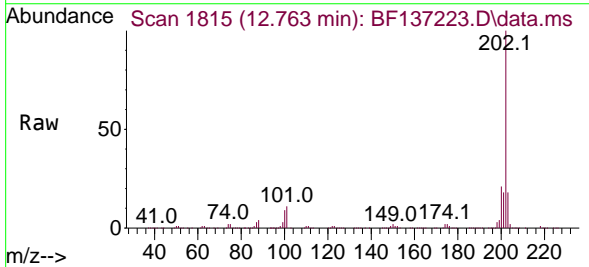


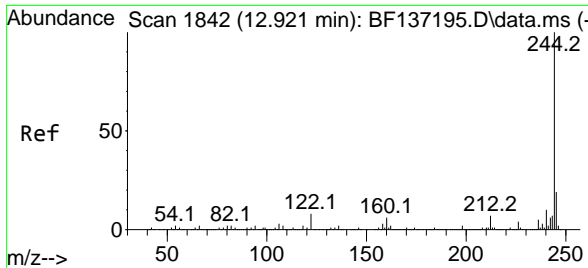
Tgt Ion:240 Resp: 149681
 Ion Ratio Lower Upper
 240 100
 120 7.2 6.3 9.5
 236 25.3 20.3 30.5



#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

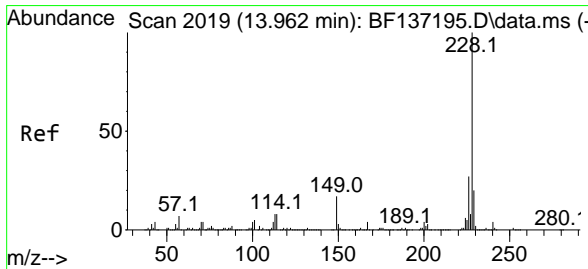
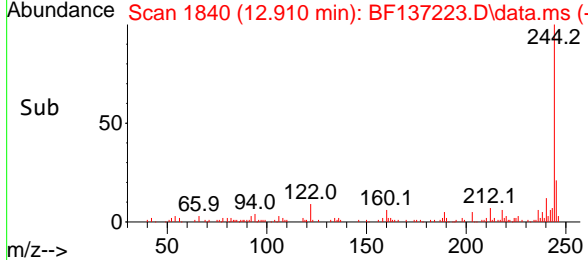
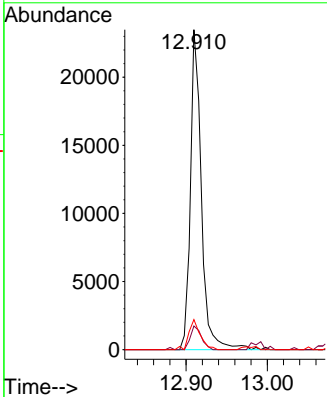
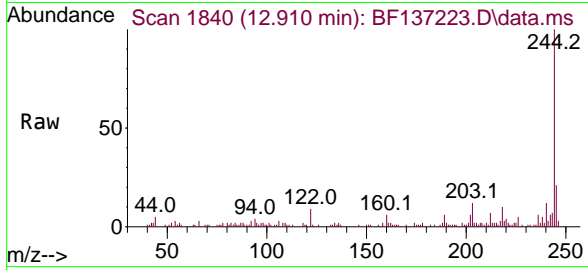




#79
 Terphenyl-d14
 Concen: 1.995 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.012 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

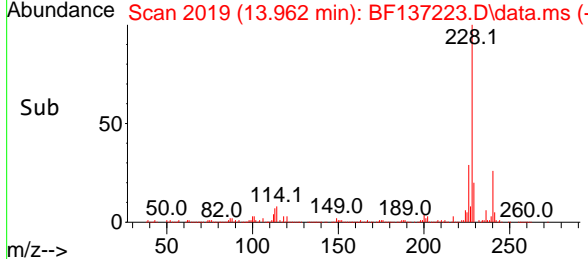
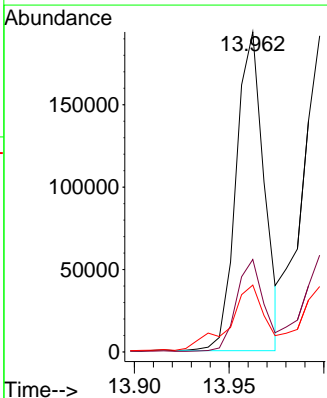
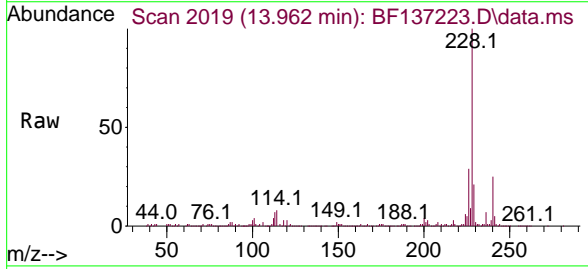
Instrument : BNA_F
 ClientSampleId :

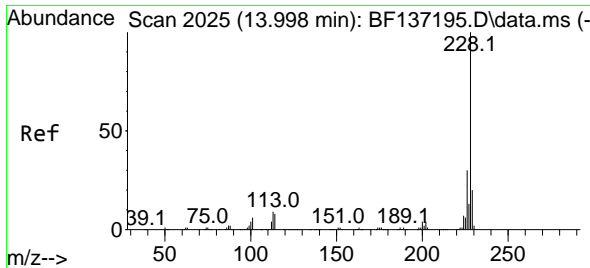
Tgt Ion	Resp	Lower	Upper
244	100		
212	7.4	5.5	8.3
122	9.4	6.2	9.4



#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

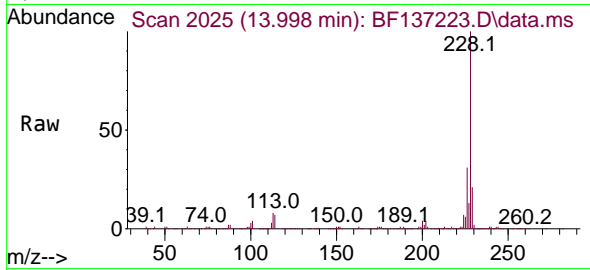
Tgt Ion	Resp	Lower	Upper
228	100		
226	28.9	21.6	32.4
229	20.9	15.8	23.6



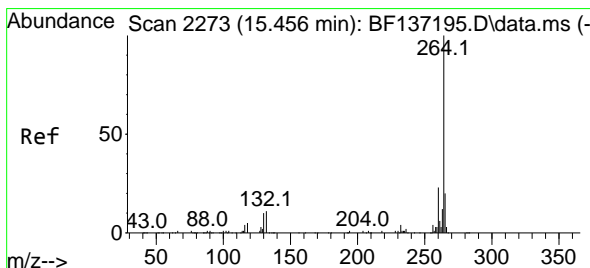
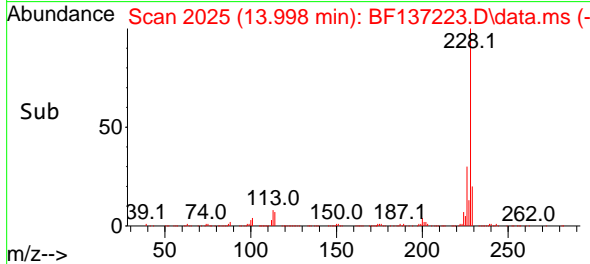
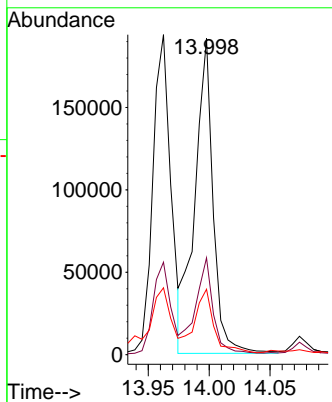


#83
 Chrysene
 Concen: 19.225 ng
 RT: 13.998 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Instrument :
 BNA_F
 ClientSampleId :

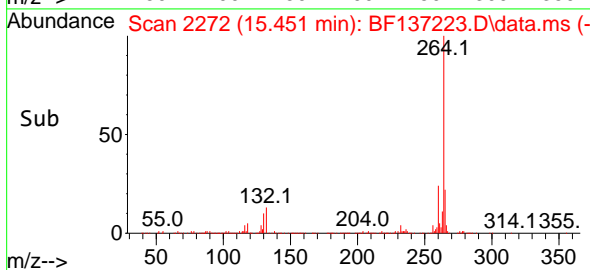
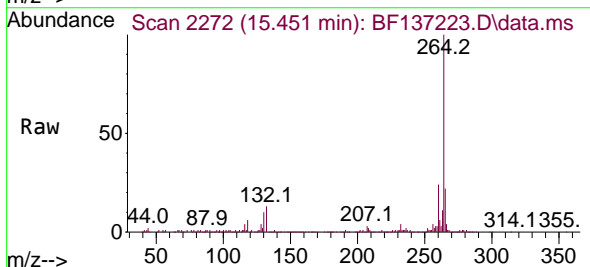
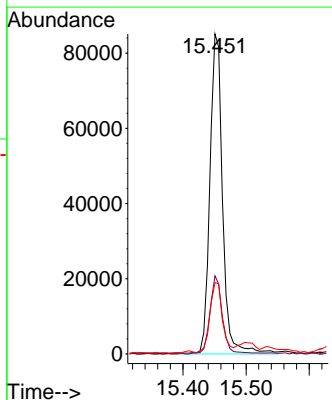


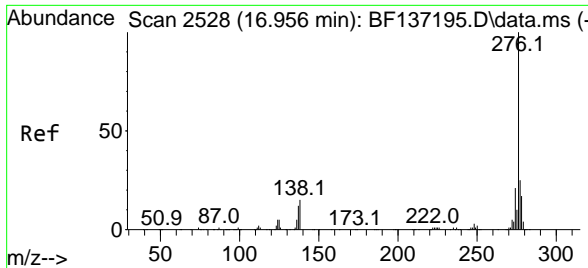
Tgt Ion:228 Resp: 200359
 Ion Ratio Lower Upper
 228 100
 226 30.6 23.7 35.5
 229 20.7 15.6 23.4



#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

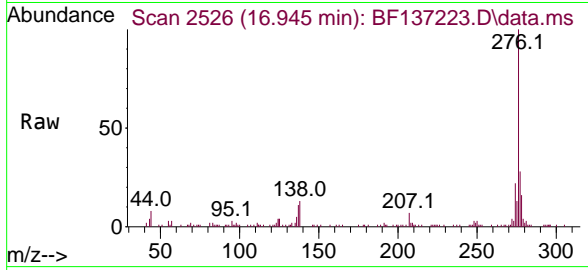
Tgt Ion:264 Resp: 119298
 Ion Ratio Lower Upper
 264 100
 260 24.4 18.2 27.4
 265 22.3 16.2 24.2





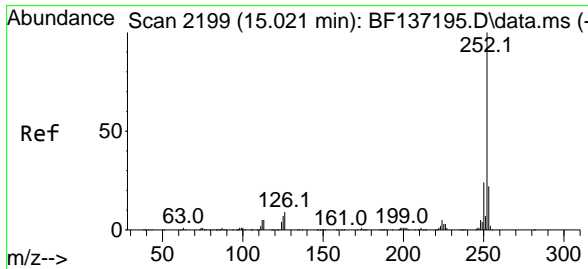
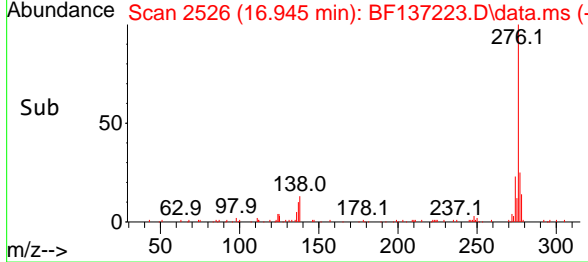
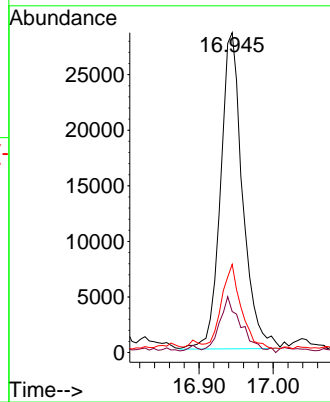
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.025 ng
 RT: 16.945 min Scan# 2199
 Delta R.T. -0.012 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Instrument : BNA_F
 ClientSampleId :

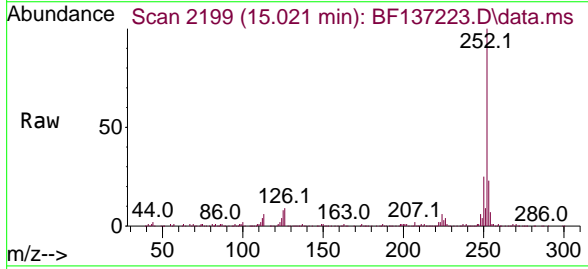


Tgt Ion: 276 Resp: 58882

Ion	Ratio	Lower	Upper
276	100		
138	17.5	14.6	21.8
277	24.3	20.2	30.2

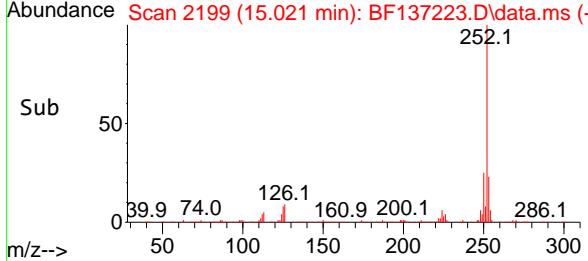
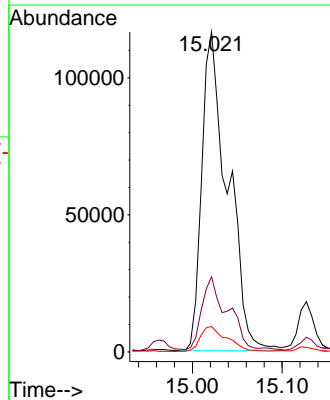


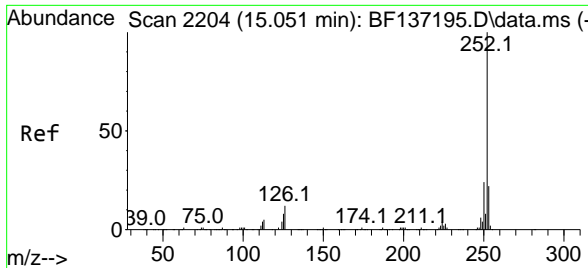
#88
 Benzo(b)fluoranthene
 Concen: 31.822 ng
 RT: 15.021 min Scan# 2199
 Delta R.T. 0.000 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28



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



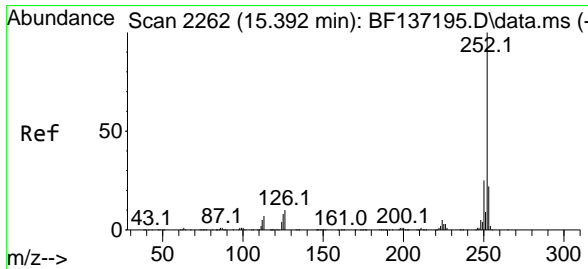
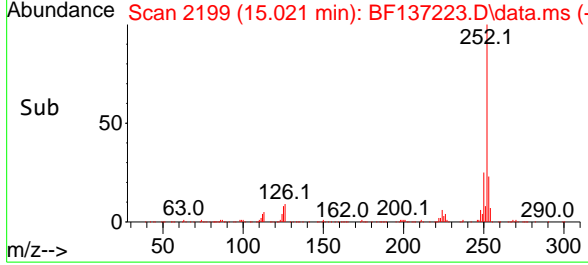
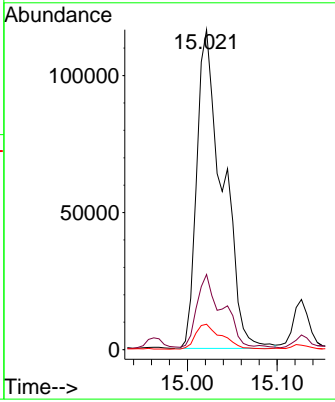
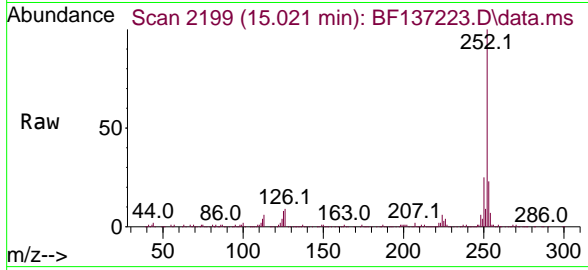


#89
 Benzo(k)fluoranthene
 Concen: 30.080 ng
 RT: 15.021 min Scan# 2199
 Delta R.T. -0.029 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Instrument : BNA_F
 ClientSampleId :

Tgt Ion:252 Resp: 233467

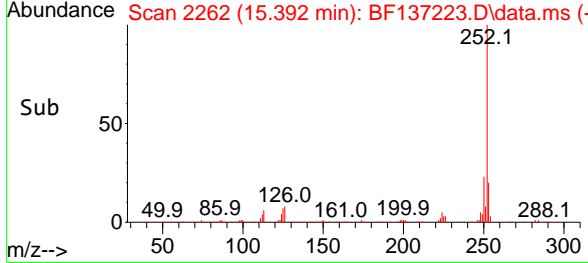
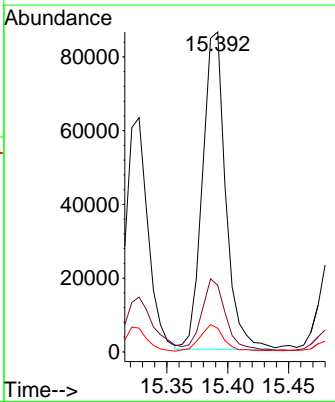
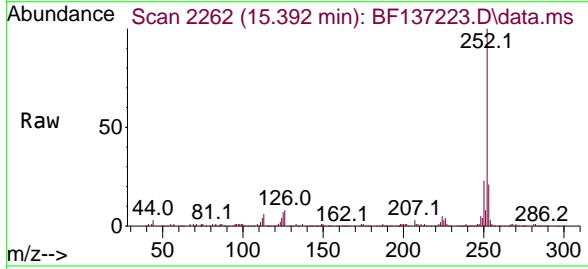
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	7.9	5.9	8.9

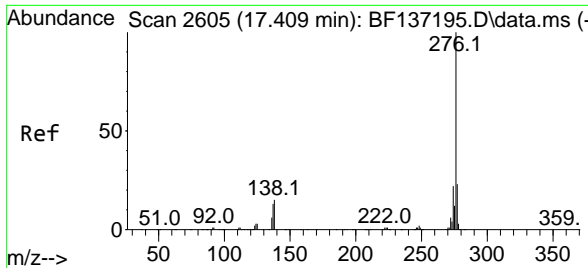


#90
 Benzo(a)pyrene
 Concen: 16.548 ng
 RT: 15.392 min Scan# 2262
 Delta R.T. 0.000 min
 Lab File: BF137223.D
 Acq: 31 Jan 2024 21:28

Tgt Ion:252 Resp: 114250

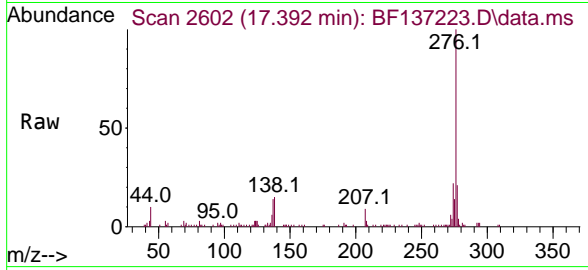
Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.8	26.6
125	7.4	6.5	9.7





#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 :



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

