

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013124\
 Data File : BF137210.D
 Acq On : 31 Jan 2024 15:03
 Operator : CG\JU
 Sample : P1297-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-013024

Quant Time: Feb 01 01:16:45 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)

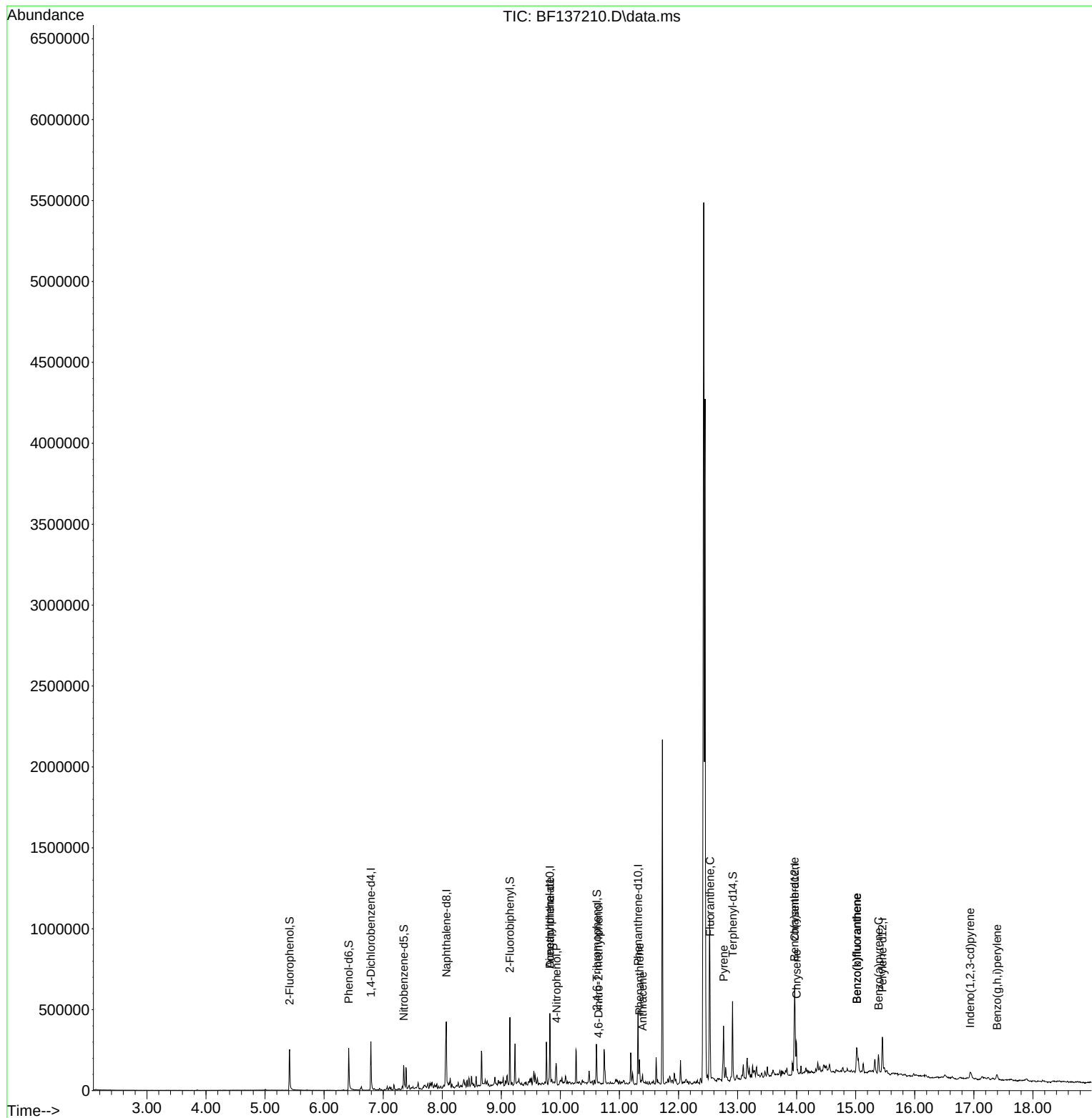
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	41175	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	147893	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	83178	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	164998	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	154875	20.000	ng	0.00
86) Perylene-d12	15.451	264	116743	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	72273	28.963	ng	0.00
7) Phenol-d6	6.416	99	86847	24.388	ng	-0.01
23) Nitrobenzene-d5	7.345	82	56795	17.194	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	26184	27.874	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	113159	18.702	ng	0.00
79) Terphenyl-d14	12.916	244	159734	14.021	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.822	163	14876	2.647	ng	# 1
56) 4-Nitrophenol	9.933	139	534	8.981	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.645	198	54	5.509	ng	# 1
71) Phenanthrene	11.339	178	53294	6.170	ng	98
72) Anthracene	11.392	178	24226	2.691	ng	95
75) Fluoranthene	12.533	202	153877	17.024	ng	96
78) Pyrene	12.763	202	140349	9.430	ng	98
81) Benzo(a)anthracene	13.963	228	104255	9.505	ng	98
83) Chrysene	13.998	228	96149	8.916	ng	99
87) Indeno(1,2,3-cd)pyrene	16.939	276	28691	3.498	ng	97
88) Benzo(b)fluoranthene	15.021	252	129347	18.016	ng	# 98
89) Benzo(k)fluoranthene	15.021	252	129347	17.030	ng	96
90) Benzo(a)pyrene	15.386	252	62403	9.236	ng	# 96
92) Benzo(g,h,i)perylene	17.392	276	29386	4.556	ng	95

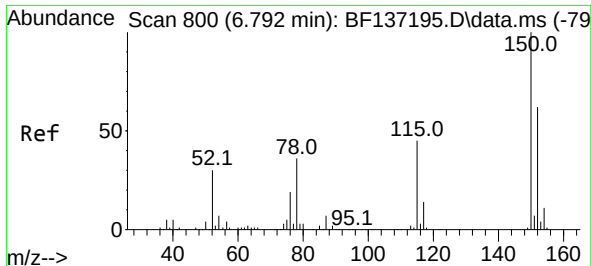
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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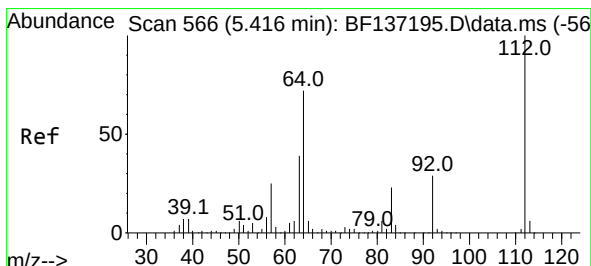
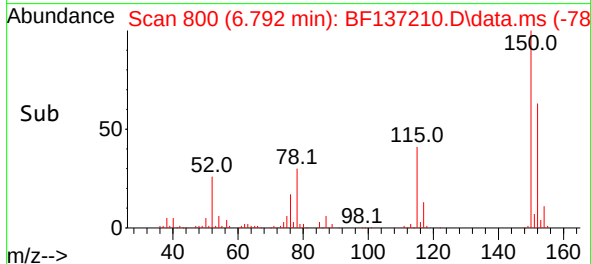
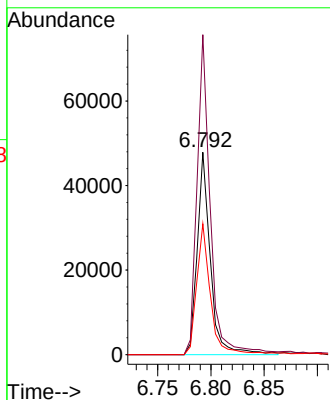
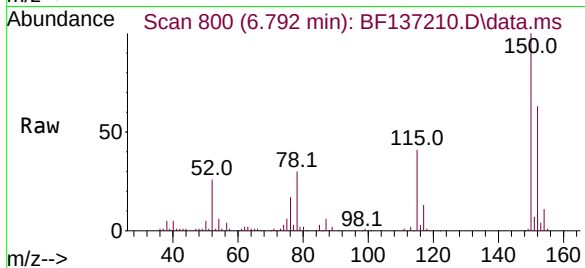




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

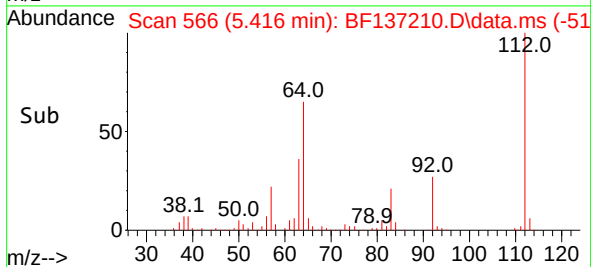
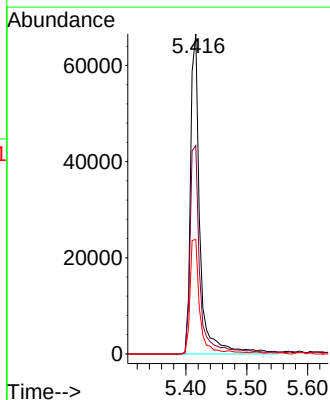
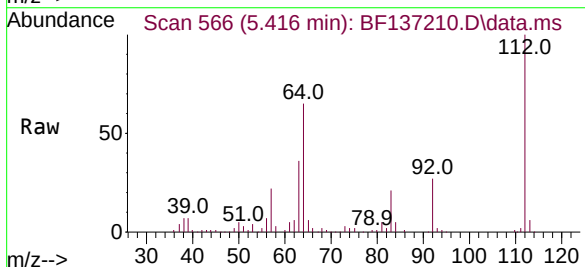
Instrument :
BNA_F
ClientSampleId :
TR-05-013024

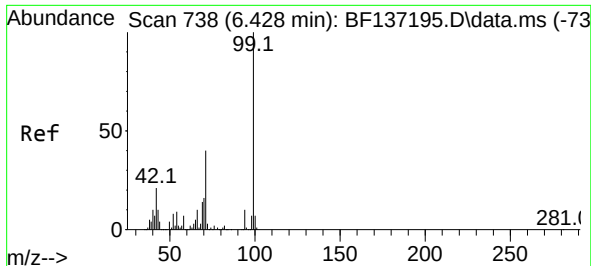
Tgt Ion:152 Resp: 41175
Ion Ratio Lower Upper
152 100
150 158.1 129.8 194.8
115 64.6 58.5 87.7



#5
2-Fluorophenol
Concen: 28.963 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.000 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

Tgt Ion:112 Resp: 72273
Ion Ratio Lower Upper
112 100
64 65.1 57.8 86.6
63 35.8 31.4 47.0

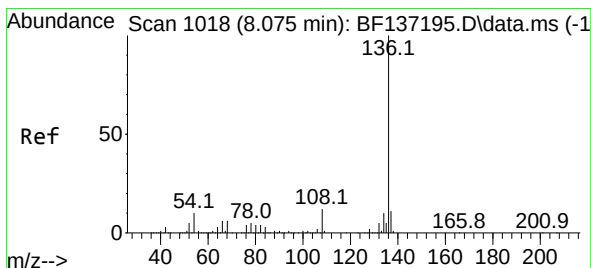
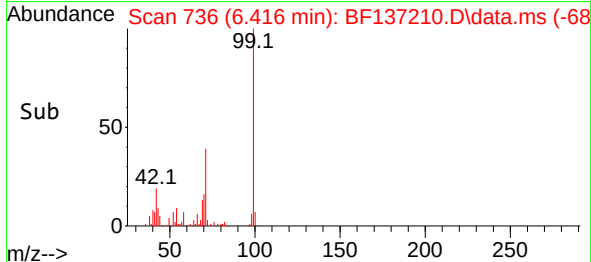
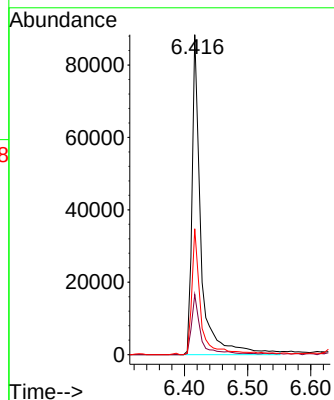
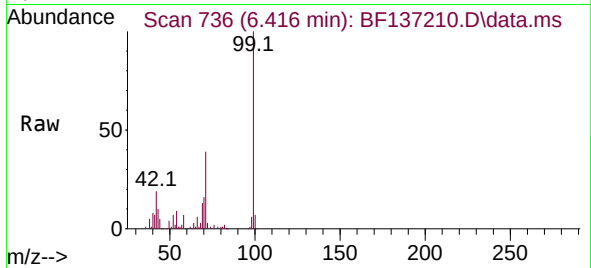




#7
Phenol-d6
Concen: 24.388 ng
RT: 6.416 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

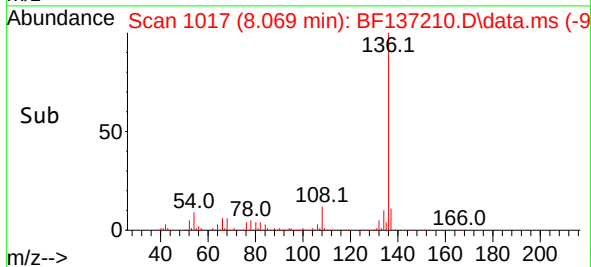
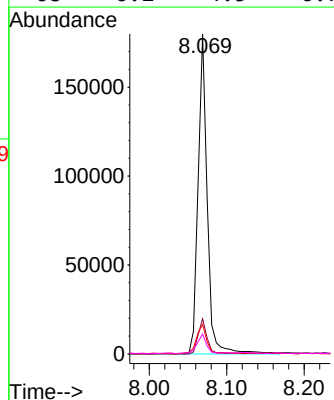
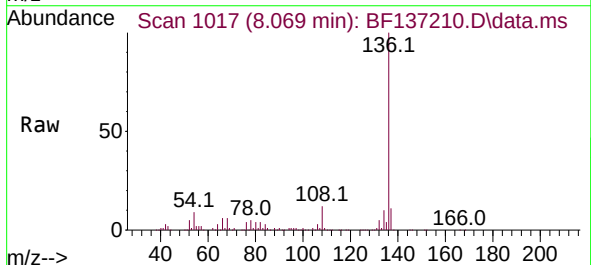
Instrument :
BNA_F
ClientSampleId :
TR-05-013024

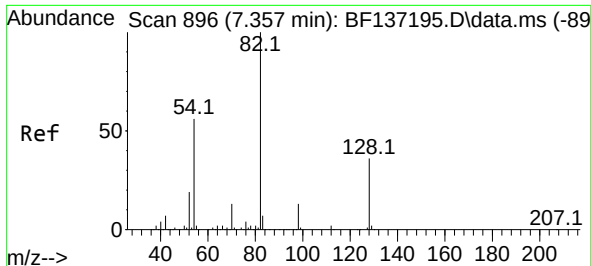
Tgt Ion: 99 Resp: 86847
Ion Ratio Lower Upper
99 100
42 18.8 16.4 24.6
71 39.3 32.4 48.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

Tgt Ion: 136 Resp: 147893
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.2 7.8 11.8
68 6.2 4.5 6.7

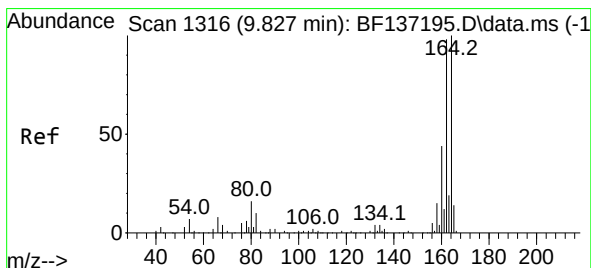
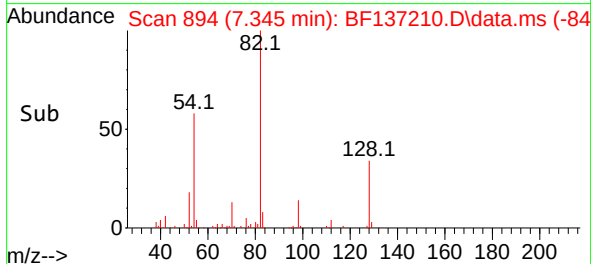
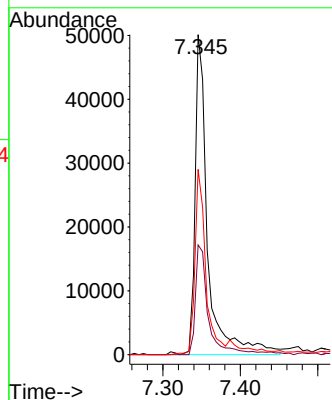
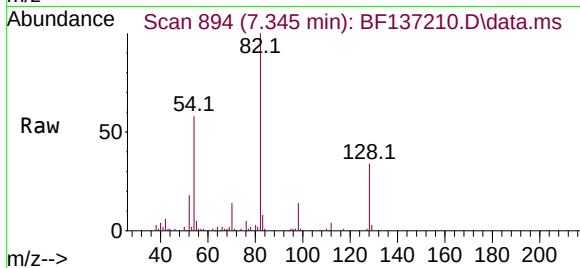




#23
Nitrobenzene-d5
Concen: 17.194 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

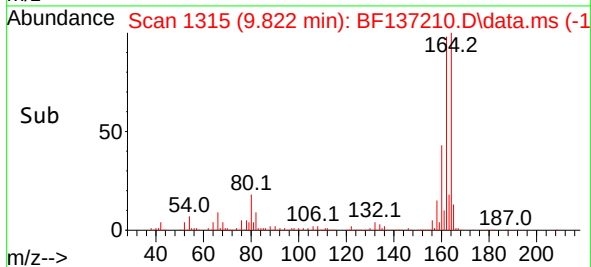
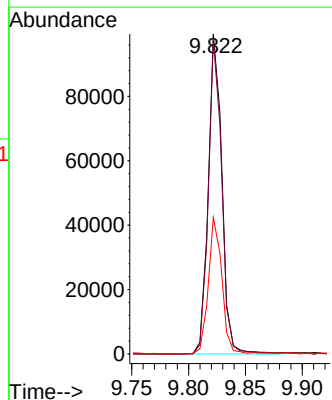
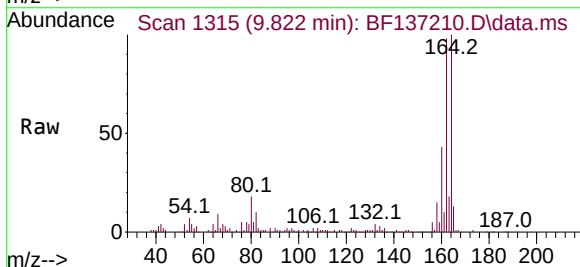
Instrument :
BNA_F
ClientSampleId :
TR-05-013024

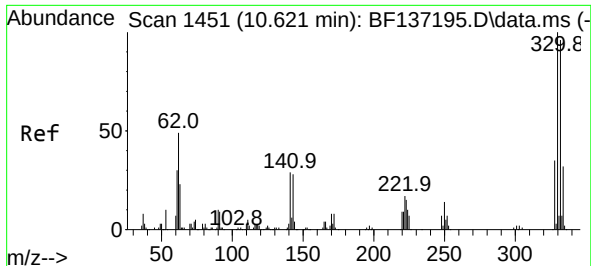
Tgt Ion: 82	Resp: 56795
Ion Ratio	Lower Upper
82	100
128	34.3 29.1 43.7
54	57.9 45.0 67.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

Tgt Ion: 164	Resp: 83178
Ion Ratio	Lower Upper
164	100
162	98.3 78.3 117.5
160	42.6 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 27.874 ng

RT: 10.616 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF137210.D

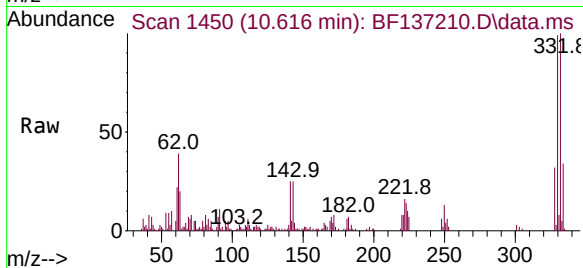
Acq: 31 Jan 2024 15:03

Instrument :

BNA_F

ClientSampleId :

TR-05-013024



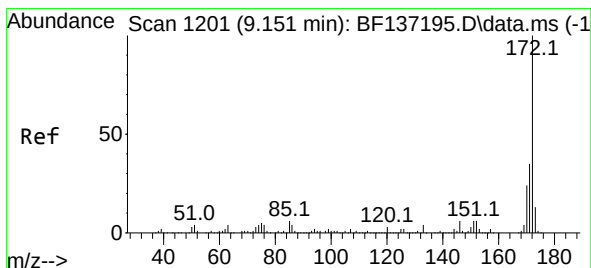
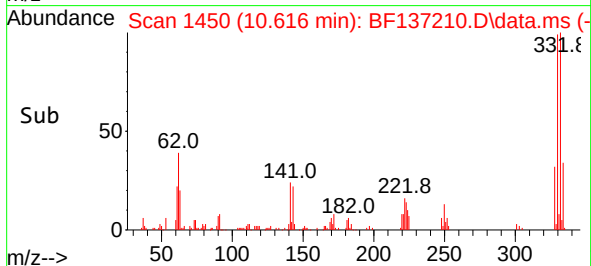
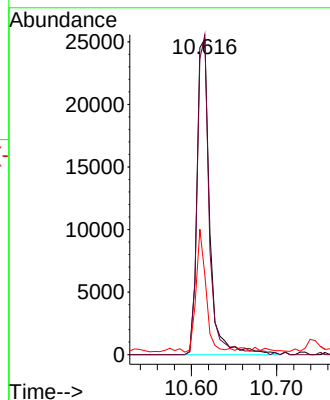
Tgt Ion:330 Resp: 26184

Ion Ratio Lower Upper

330 100

332 96.4 77.3 115.9

141 29.9 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 18.702 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF137210.D

Acq: 31 Jan 2024 15:03

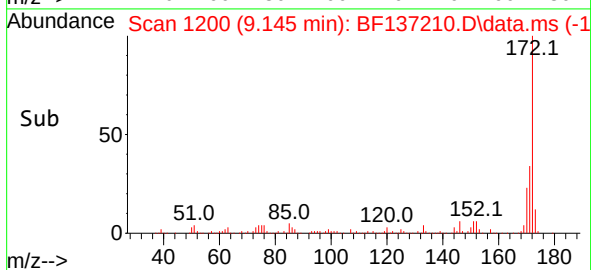
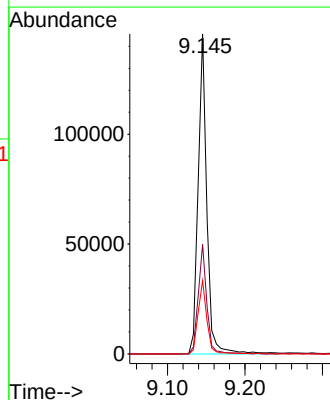
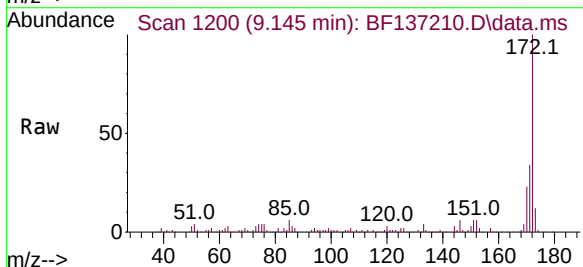
Tgt Ion:172 Resp: 113159

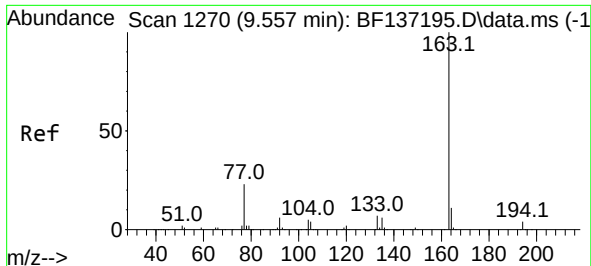
Ion Ratio Lower Upper

172 100

171 34.2 28.3 42.5

170 22.9 19.1 28.7

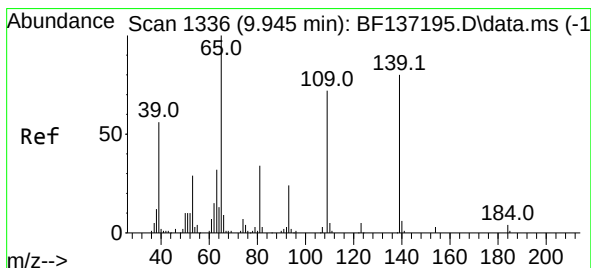
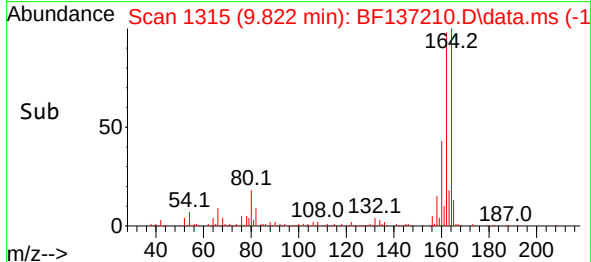
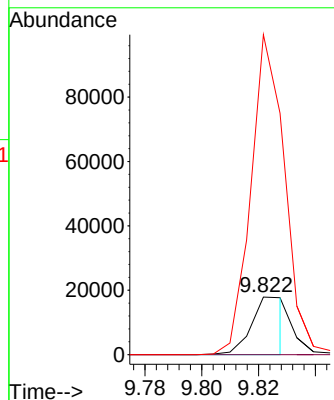
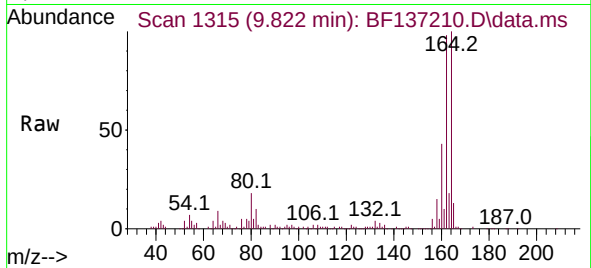




#50
Dimethylphthalate
Concen: 2.647 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

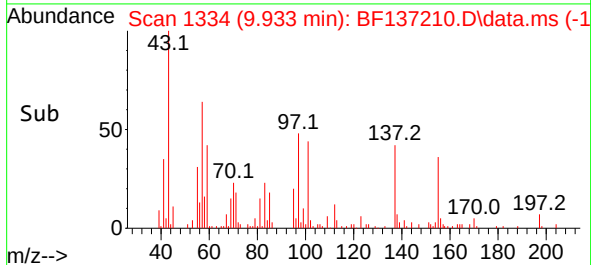
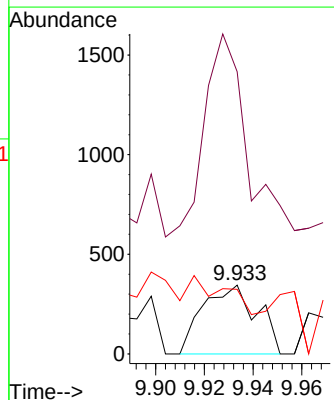
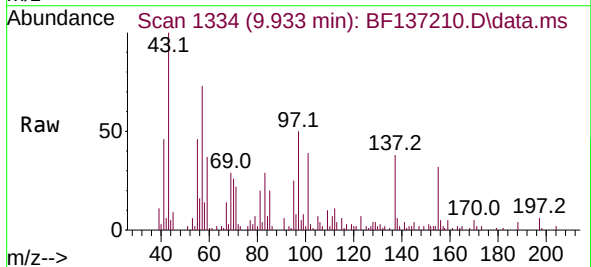
Instrument :
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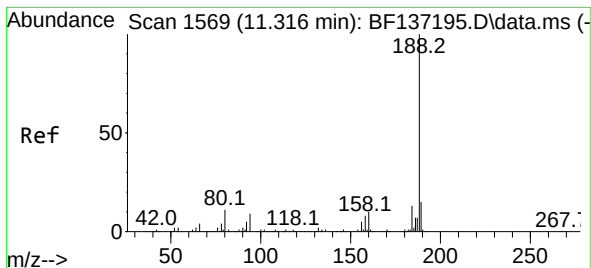
Tgt Ion:163 Resp: 14876
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 556.9 8.6 13.0#



#56
4-Nitrophenol
Concen: 8.981 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

Tgt Ion:139 Resp: 534
Ion Ratio Lower Upper
139 100
109 410.4 70.4 110.4#
65 93.9 107.6 147.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF137210.D

Acq: 31 Jan 2024 15:03

Instrument :

BNA_F

ClientSampleId :

TR-05-013024

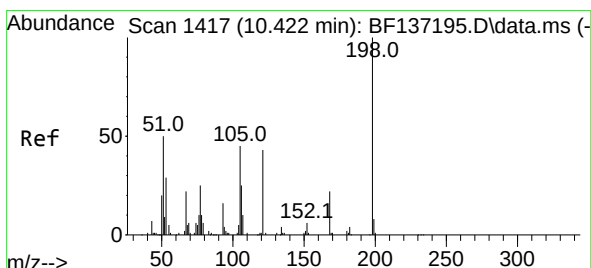
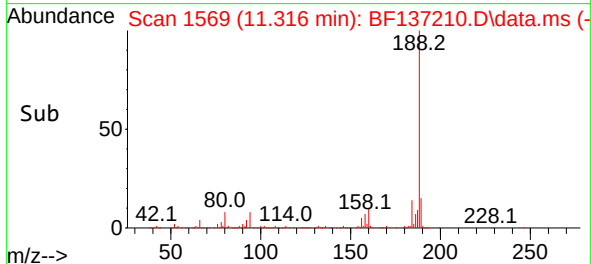
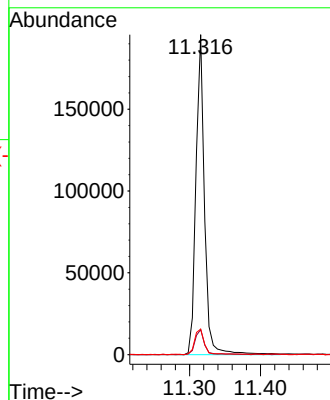
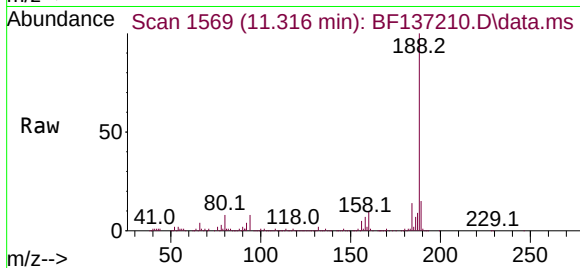
Tgt Ion:188 Resp: 164998

Ion Ratio Lower Upper

188 100

94 7.8 7.0 10.4

80 8.0 8.8 13.2#



#65

4,6-Dinitro-2-methylphenol

Concen: 5.509 ng

RT: 10.645 min Scan# 1455

Delta R.T. 0.223 min

Lab File: BF137210.D

Acq: 31 Jan 2024 15:03

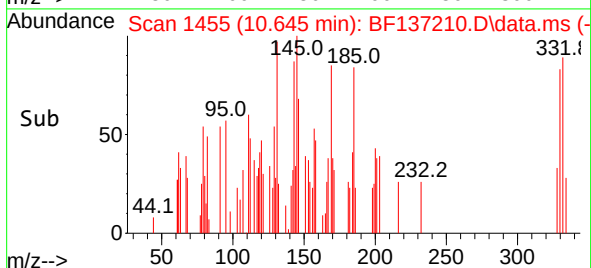
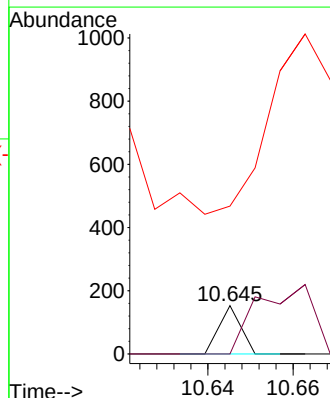
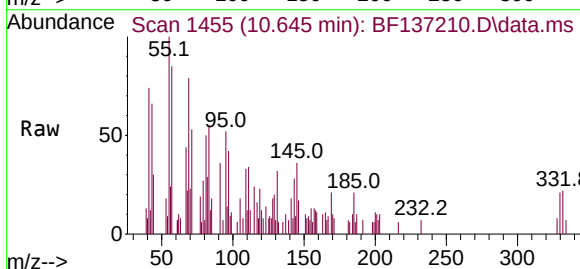
Tgt Ion:198 Resp: 54

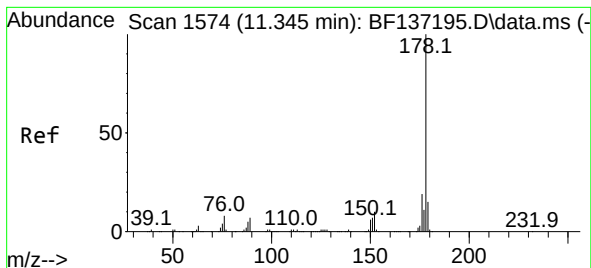
Ion Ratio Lower Upper

198 100

51 0.0 40.9 80.9#

105 305.9 26.5 66.5#





#71

Phenanthrene

Concen: 6.170 ng

RT: 11.339 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137210.D

Acq: 31 Jan 2024 15:03

Instrument :

BNA_F

ClientSampleId :

TR-05-013024

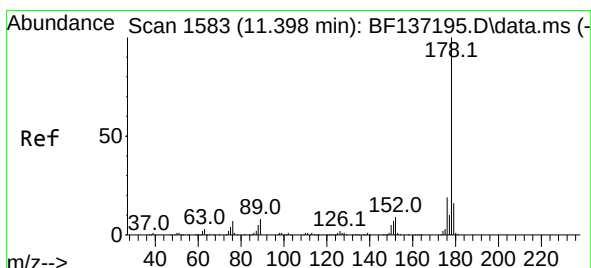
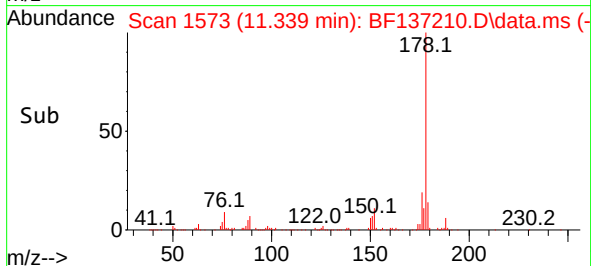
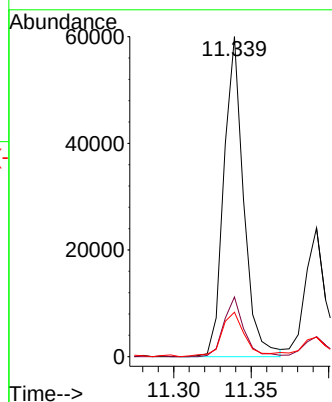
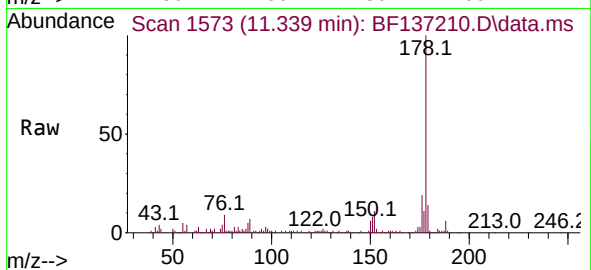
Tgt Ion:178 Resp: 53294

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

179 13.9 12.1 18.1



#72

Anthracene

Concen: 2.691 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF137210.D

Acq: 31 Jan 2024 15:03

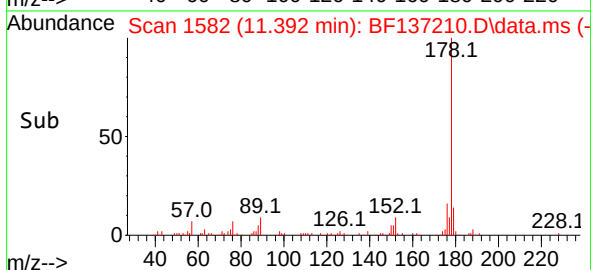
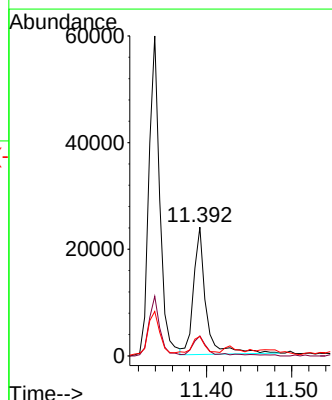
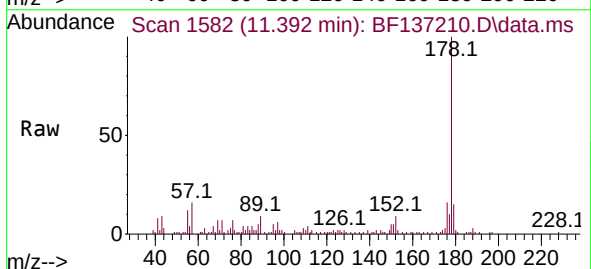
Tgt Ion:178 Resp: 24226

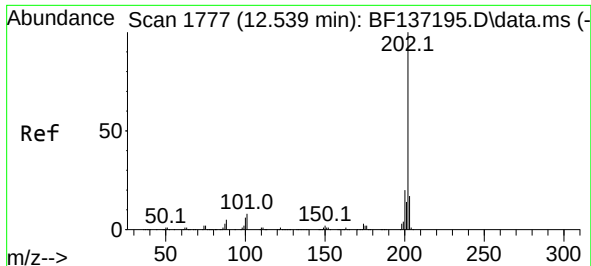
Ion Ratio Lower Upper

178 100

176 15.5 15.3 22.9

179 15.1 12.7 19.1

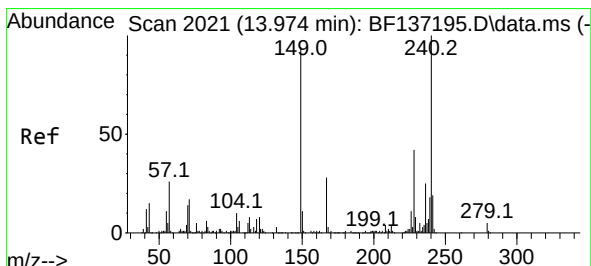
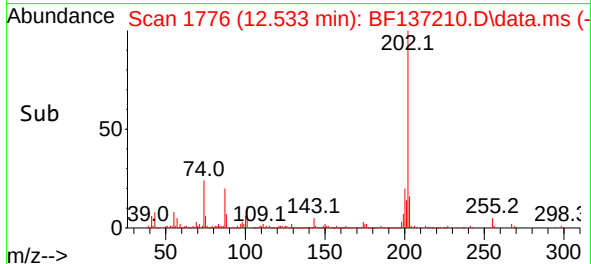
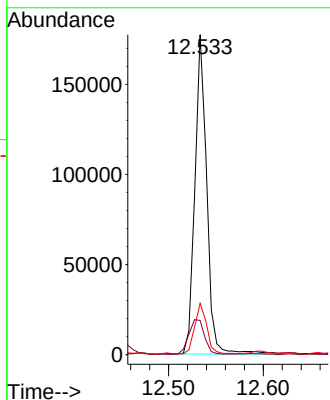
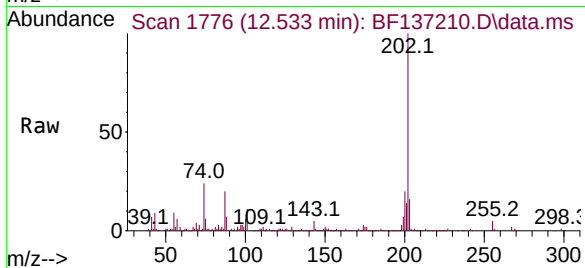




#75
Fluoranthene
Concen: 17.024 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

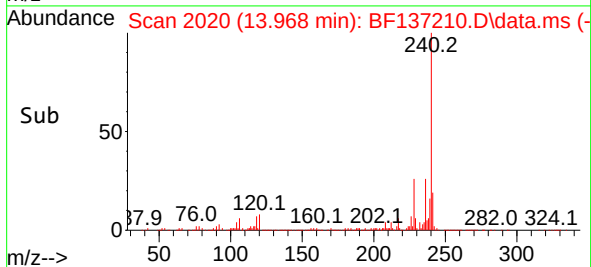
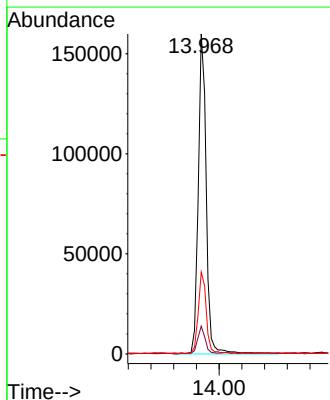
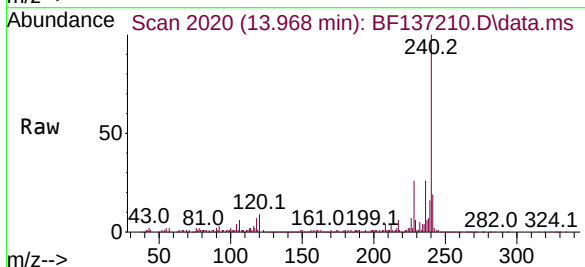
Instrument :
BNA_F
ClientSampleId :
TR-05-013024

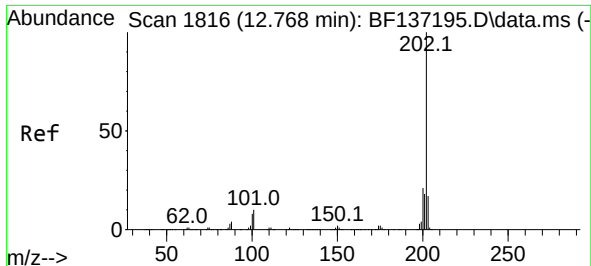
Tgt Ion:202 Resp: 153877
Ion Ratio Lower Upper
202 100
101 10.7 0.0 28.4
203 16.0 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

Tgt Ion:240 Resp: 154875
Ion Ratio Lower Upper
240 100
120 8.7 6.3 9.5
236 25.6 20.3 30.5

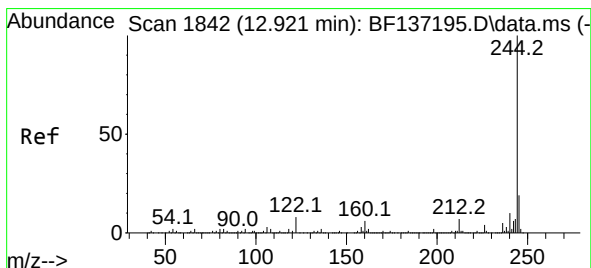
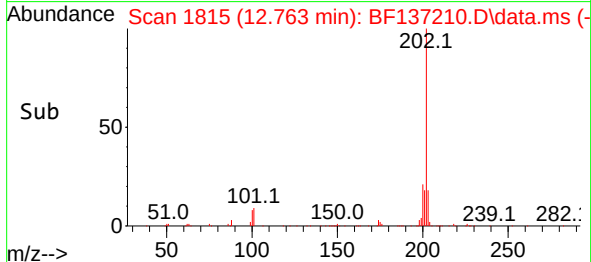
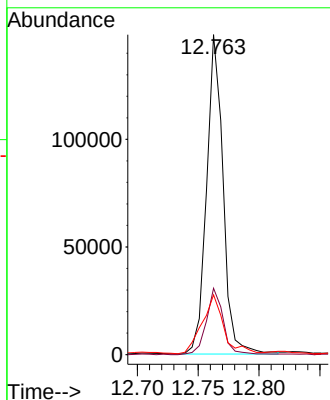
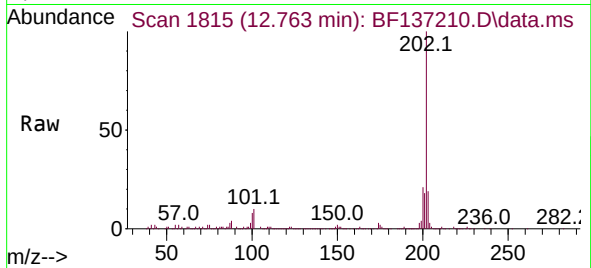




#78
Pyrene
Concen: 9.430 ng
RT: 12.763 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

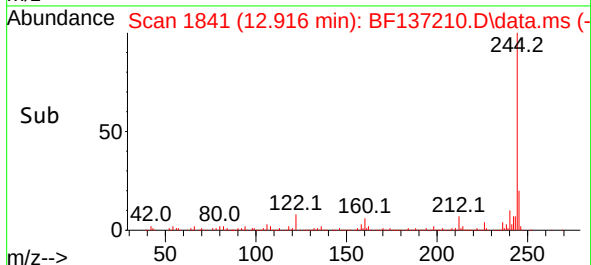
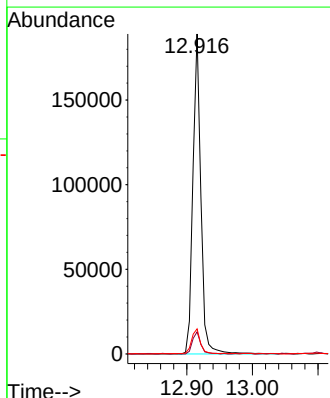
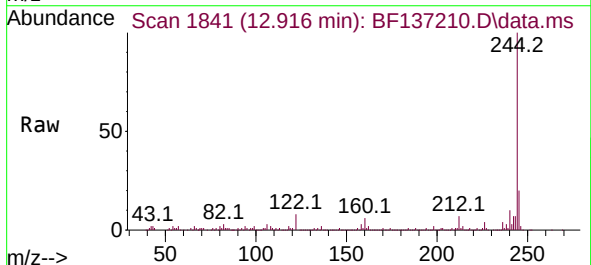
Instrument :
BNA_F
ClientSampleId :
TR-05-013024

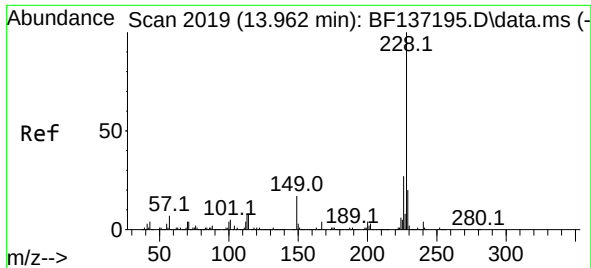
Tgt Ion:202 Resp: 140349
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 18.7 13.8 20.6



#79
Terphenyl-d14
Concen: 14.021 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

Tgt Ion:244 Resp: 159734
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 7.9 6.2 9.4





#81

Benzo(a)anthracene

Concen: 9.505 ng

RT: 13.963 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF137210.D

Acq: 31 Jan 2024 15:03

Instrument :

BNA_F

ClientSampleId :

TR-05-013024

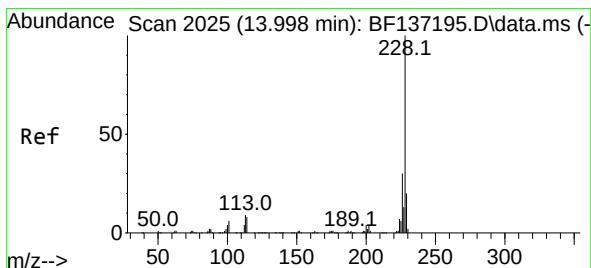
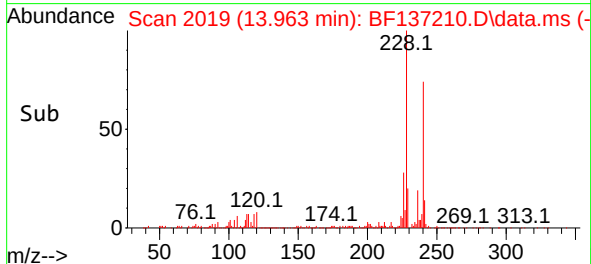
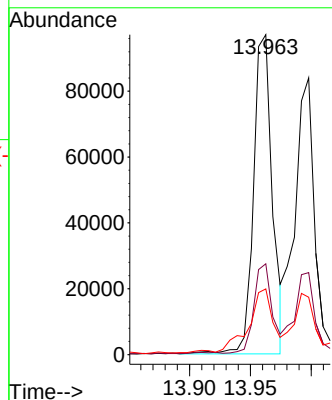
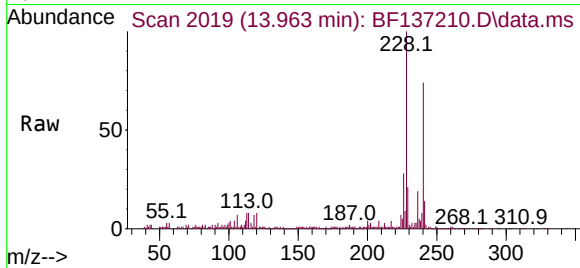
Tgt Ion:228 Resp: 104255

Ion Ratio Lower Upper

228 100

226 28.4 21.6 32.4

229 20.5 15.8 23.6



#83

Chrysene

Concen: 8.916 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF137210.D

Acq: 31 Jan 2024 15:03

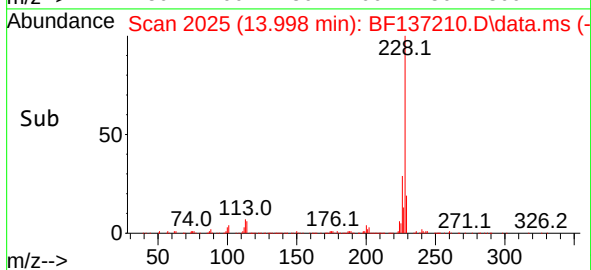
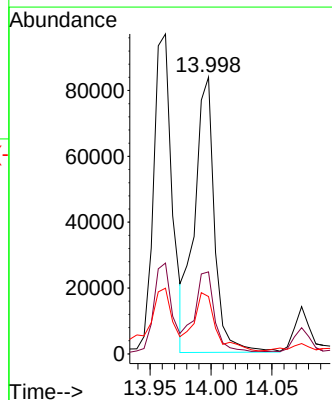
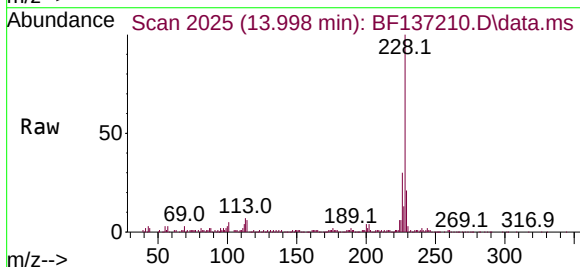
Tgt Ion:228 Resp: 96149

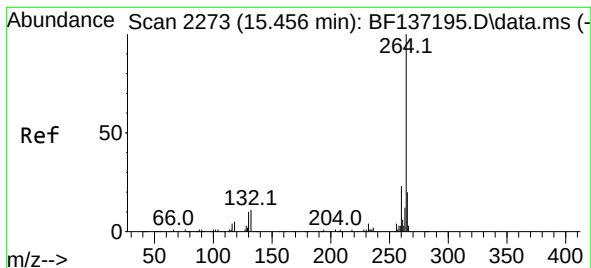
Ion Ratio Lower Upper

228 100

226 29.7 23.7 35.5

229 20.7 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137210.D

Acq: 31 Jan 2024 15:03

Instrument :

BNA_F

ClientSampleId :

TR-05-013024

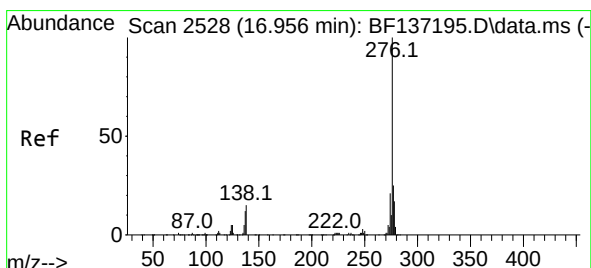
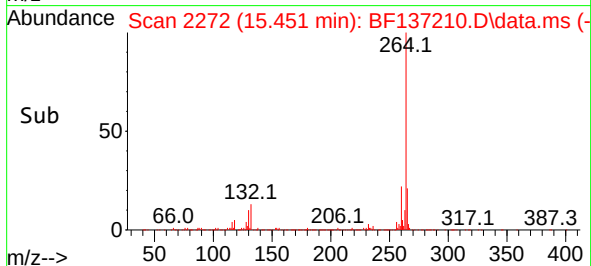
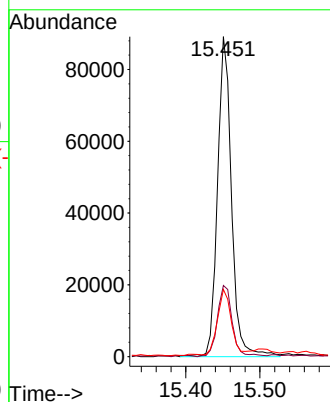
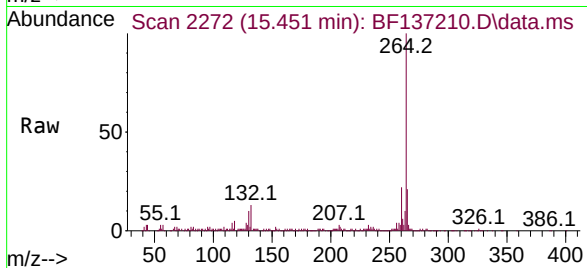
Tgt Ion:264 Resp: 116743

Ion Ratio Lower Upper

264 100

260 22.2 18.2 27.4

265 21.0 16.2 24.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.498 ng

RT: 16.939 min Scan# 2525

Delta R.T. -0.018 min

Lab File: BF137210.D

Acq: 31 Jan 2024 15:03

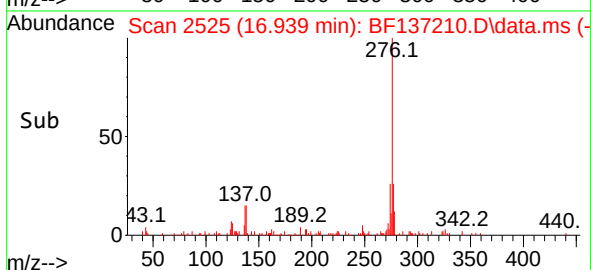
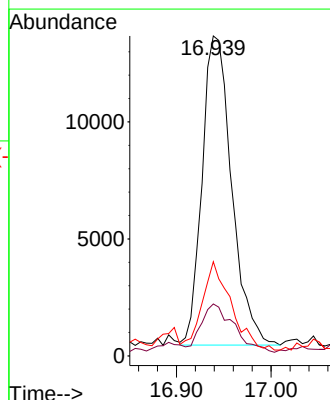
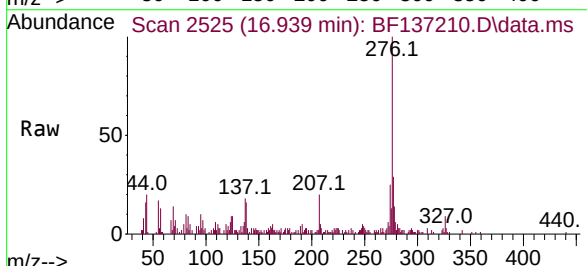
Tgt Ion:276 Resp: 28691

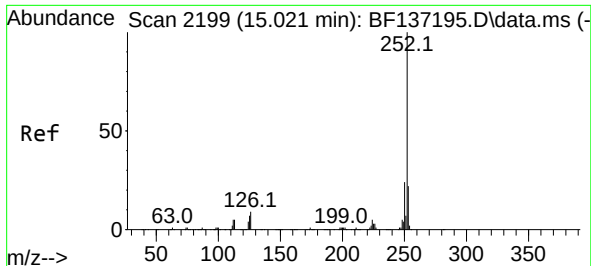
Ion Ratio Lower Upper

276 100

138 18.7 14.6 21.8

277 27.5 20.2 30.2

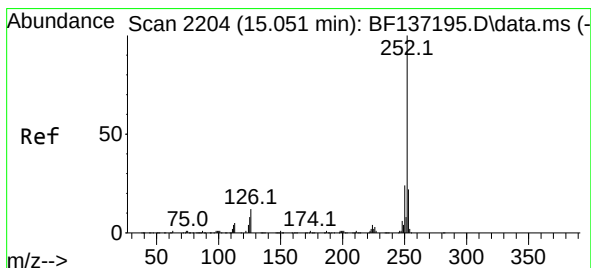
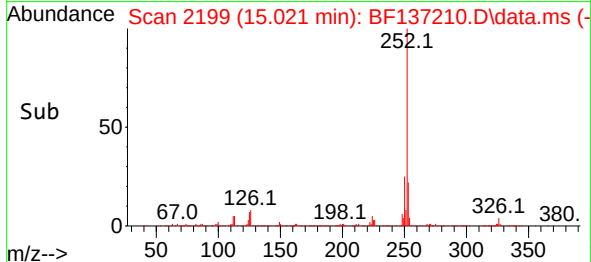
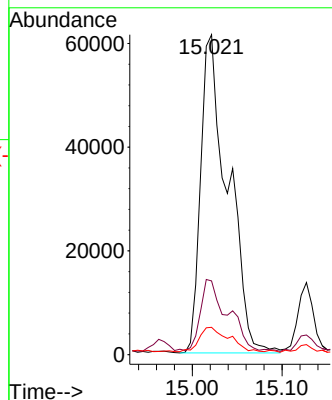
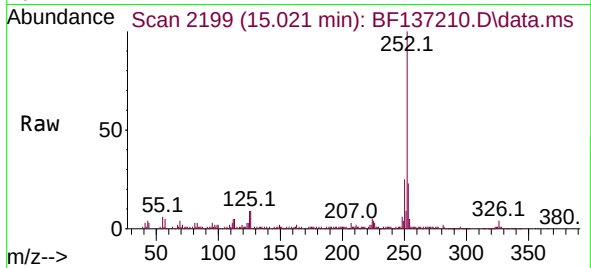




#88
Benzo(b)fluoranthene
Concen: 18.016 ng
RT: 15.021 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

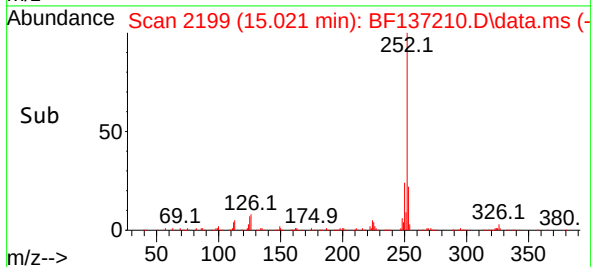
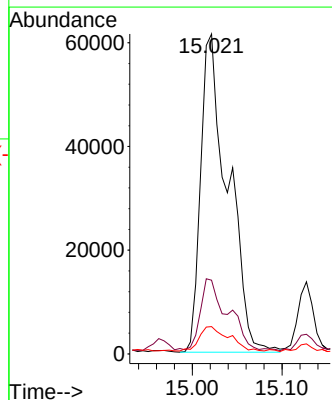
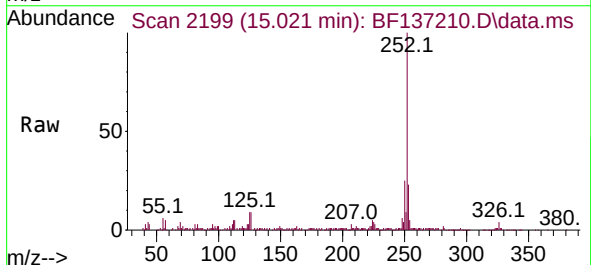
Instrument :
BNA_F
ClientSampleId :
TR-05-013024

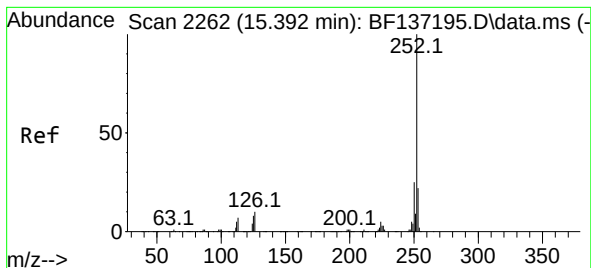
Tgt Ion:252 Resp: 129347
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 8.5 5.4 8.2#



#89
Benzo(k)fluoranthene
Concen: 17.030 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.029 min
Lab File: BF137210.D
Acq: 31 Jan 2024 15:03

Tgt Ion:252 Resp: 129347
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 8.5 5.9 8.9





#90

Benzo(a)pyrene

Concen: 9.236 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137210.D

Acq: 31 Jan 2024 15:03

Instrument :

BNA_F

ClientSampleId :

TR-05-013024

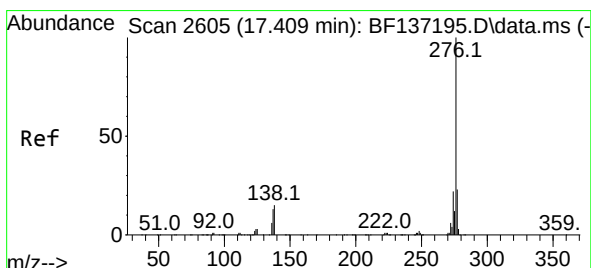
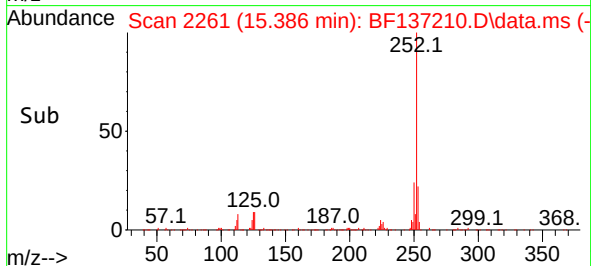
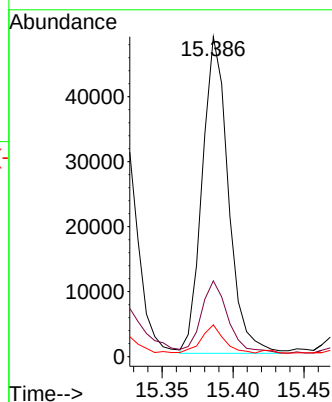
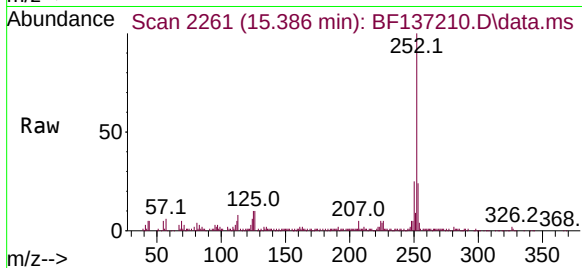
Tgt Ion:252 Resp: 62403

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

125 10.0 6.5 9.7#



#92

Benzo(g,h,i)perylene

Concen: 4.556 ng

RT: 17.392 min Scan# 2602

Delta R.T. -0.018 min

Lab File: BF137210.D

Acq: 31 Jan 2024 15:03

Tgt Ion:276 Resp: 29386

Ion Ratio Lower Upper

276 100

277 25.8 18.4 27.6

138 16.2 11.8 17.8

