

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020524\
 Data File : BF137281.D
 Acq On : 05 Feb 2024 17:51
 Operator : CG\JU
 Sample : P1358-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT5149

Quant Time: Feb 06 01:15:40 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)

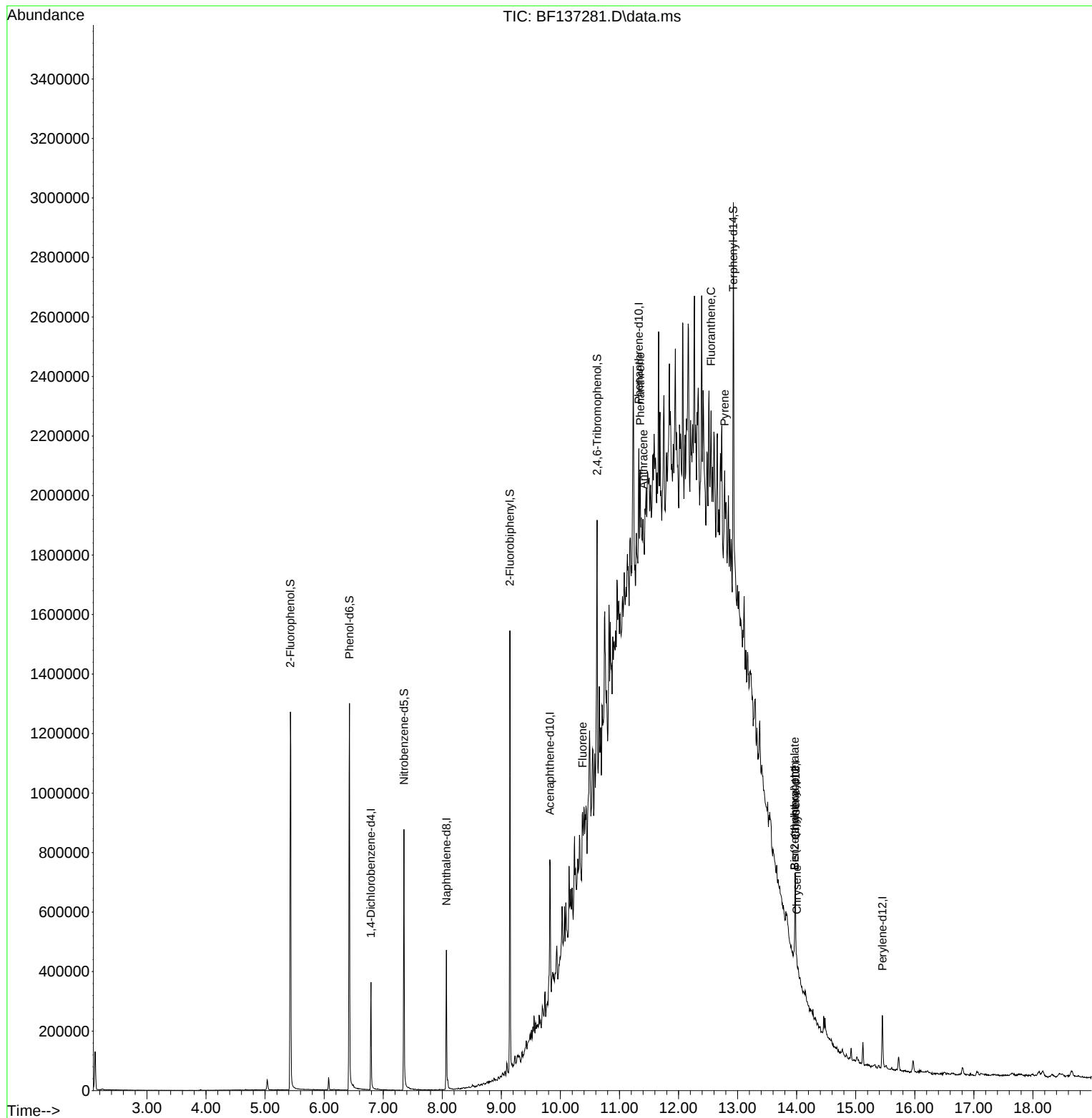
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	52219	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	189337	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	89822	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	151542	20.000	ng	# 0.01
76) Chrysene-d12	13.981	240	107772	20.000	ng	0.00
86) Perylene-d12	15.451	264	92130	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	342921	108.360	ng	0.01
7) Phenol-d6	6.428	99	436643	96.683	ng	0.00
23) Nitrobenzene-d5	7.352	82	273901	64.768	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	98207	96.812	ng	0.00
45) 2-Fluorobiphenyl	9.146	172	429128	65.675	ng	0.00
79) Terphenyl-d14	12.928	244	453905	57.256	ng	0.00
Target Compounds						
						Qvalue
58) Fluorene	10.375	166	12734	2.052	ng	# 61
71) Phenanthrene	11.351	178	104564	13.180	ng	# 92
72) Anthracene	11.404	178	27049	3.271	ng	# 71
75) Fluoranthene	12.551	202	143075	17.235	ng	92
78) Pyrene	12.781	202	87215	8.421	ng	# 88
81) Benzo(a)anthracene	13.969	228	16886	2.212	ng	# 91
83) Chrysene	14.004	228	18547	2.472	ng	# 94
84) Bis(2-ethylhexyl)phtha...	13.969	149	9187	2.980	ng	# 76

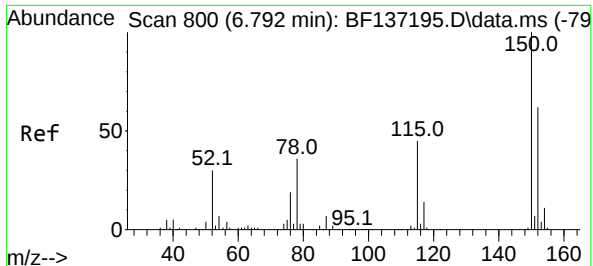
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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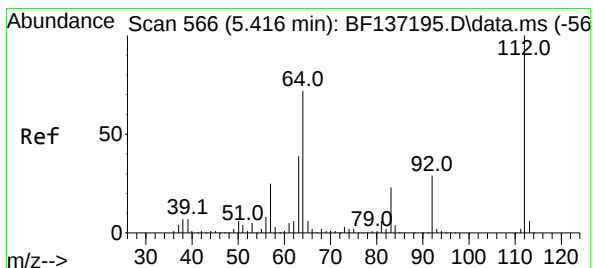
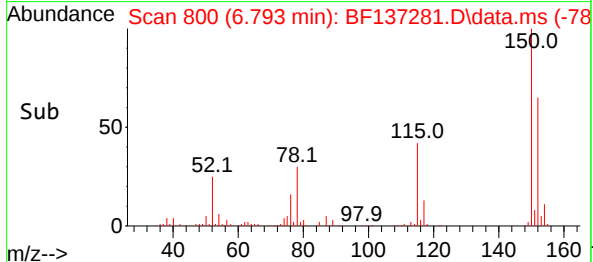
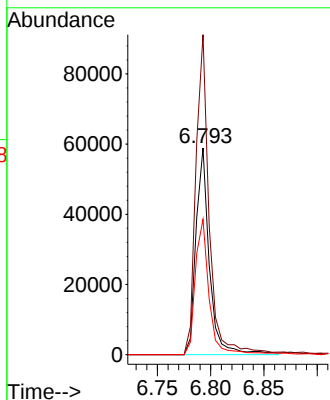
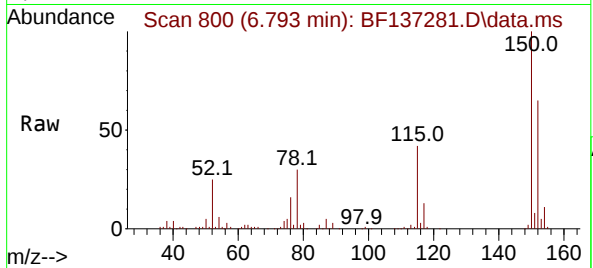




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. 0.001 min
Lab File: BF137281.D
Acq: 05 Feb 2024 17:51

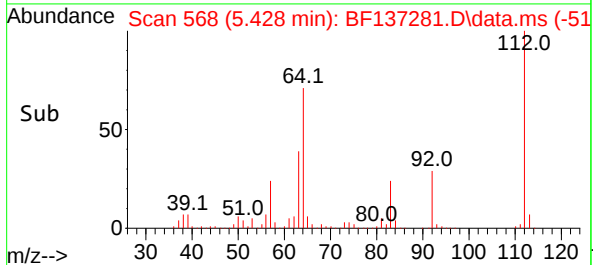
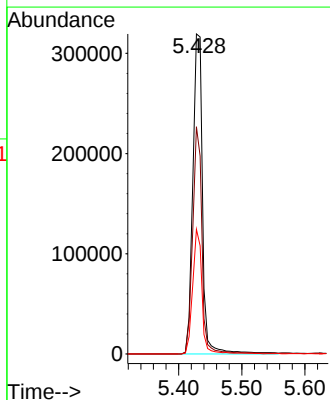
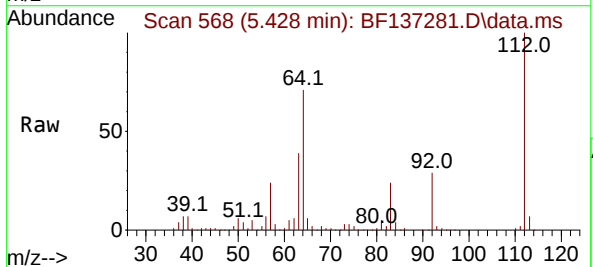
Instrument :
BNA_F
ClientSampleId :
RT5149

Tgt Ion:152 Resp: 52219
Ion Ratio Lower Upper
152 100
150 154.8 129.8 194.8
115 65.4 58.5 87.7



#5
2-Fluorophenol
Concen: 108.360 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.012 min
Lab File: BF137281.D
Acq: 05 Feb 2024 17:51

Tgt Ion:112 Resp: 342921
Ion Ratio Lower Upper
112 100
64 71.0 57.8 86.6
63 38.9 31.4 47.0





#7
Phenol-d6
Concen: 96.683 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF137281.D
Acq: 05 Feb 2024 17:51

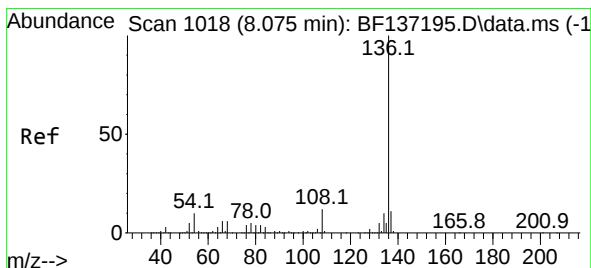
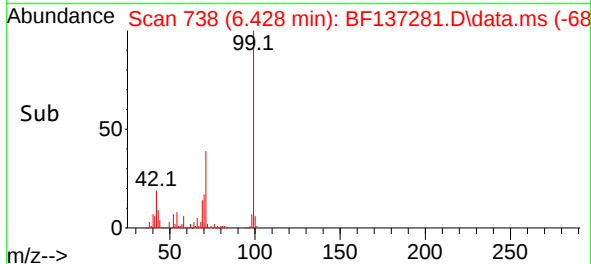
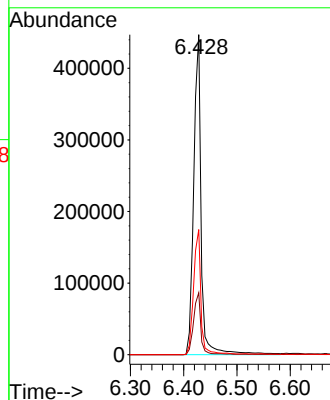
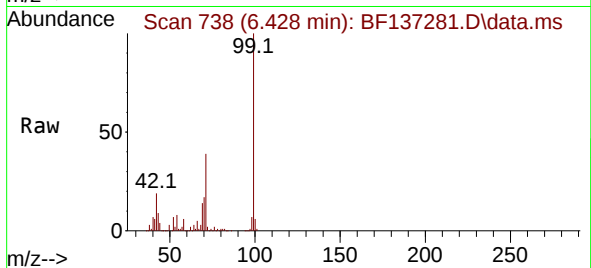
Instrument :

BNA_F

ClientSampleId :

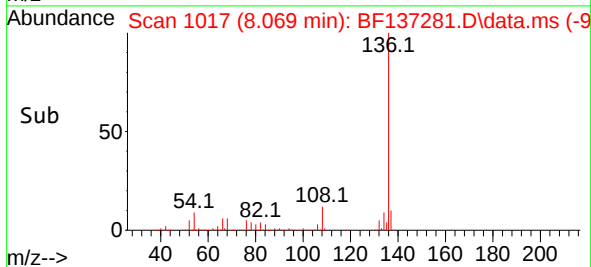
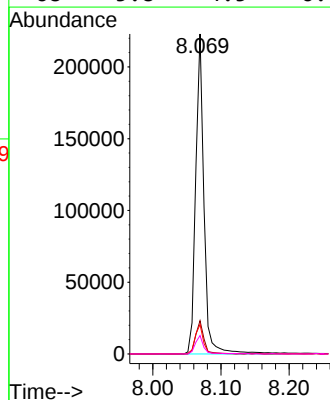
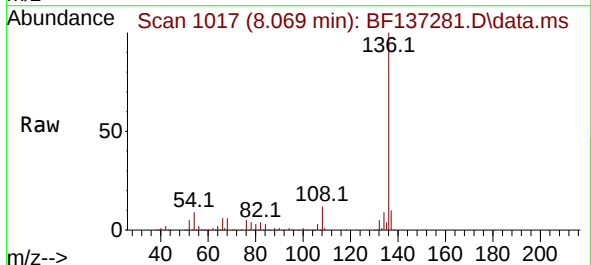
RT5149

Tgt Ion: 99 Resp: 436643
Ion Ratio Lower Upper
99 100
42 19.4 16.4 24.6
71 39.1 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: BF137281.D
Acq: 05 Feb 2024 17:51

Tgt Ion: 136 Resp: 189337
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 9.2 7.8 11.8
68 5.8 4.5 6.7

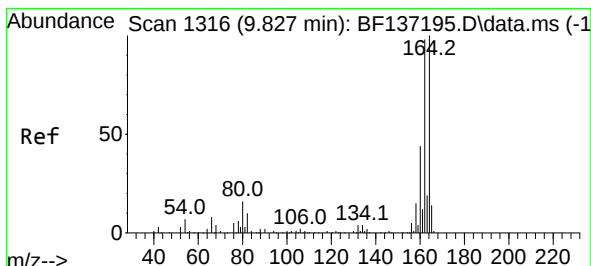
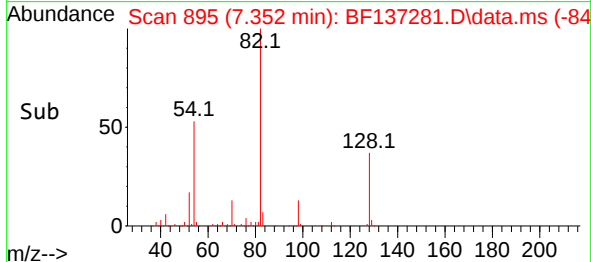
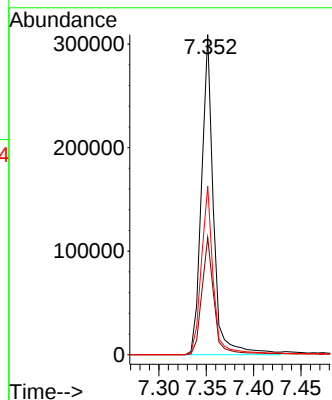
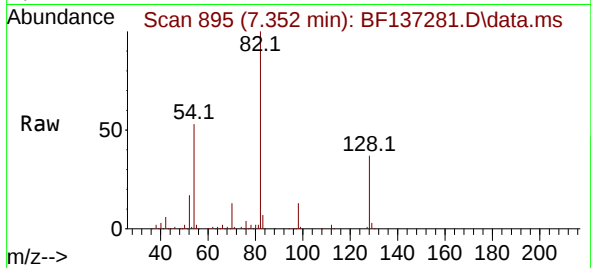




#23
Nitrobenzene-d5
Concen: 64.768 ng
RT: 7.352 min Scan# 89
Delta R.T. -0.005 min
Lab File: BF137281.D
Acq: 05 Feb 2024 17:51

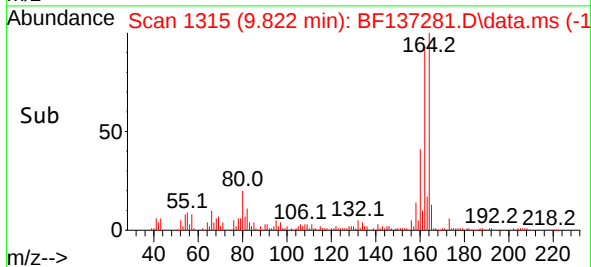
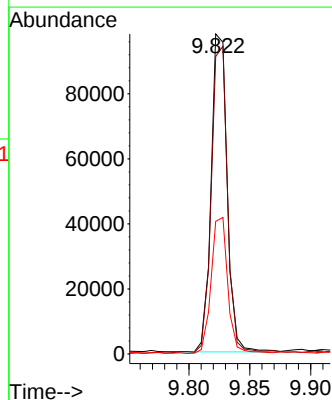
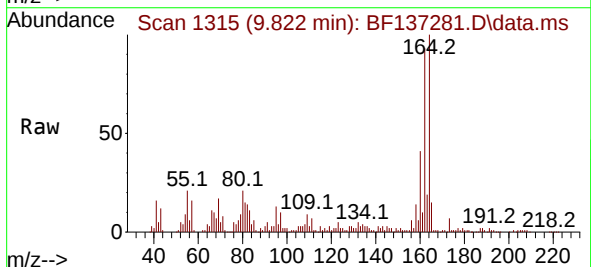
Instrument :
BNA_F
ClientSampleId :
RT5149

Tgt Ion: 82 Resp: 273901
Ion Ratio Lower Upper
82 100
128 36.6 29.1 43.7
54 52.7 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: BF137281.D
Acq: 05 Feb 2024 17:51

Tgt Ion:164 Resp: 89822
Ion Ratio Lower Upper
164 100
162 93.0 78.3 117.5
160 41.5 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 96.812 ng

RT: 10.622 min Scan# 1451

Delta R.T. 0.000 min

Lab File: BF137281.D

Acq: 05 Feb 2024 17:51

Instrument :

BNA_F

ClientSampleId :

RT5149

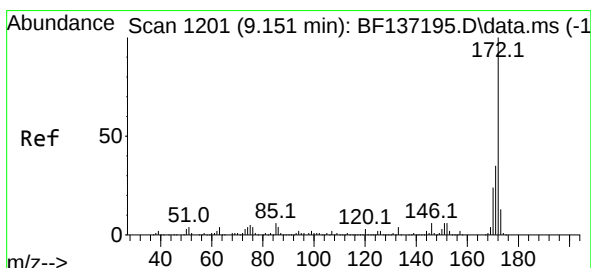
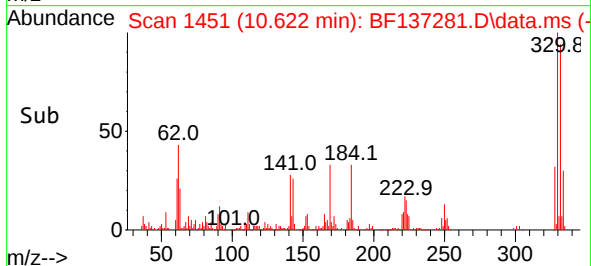
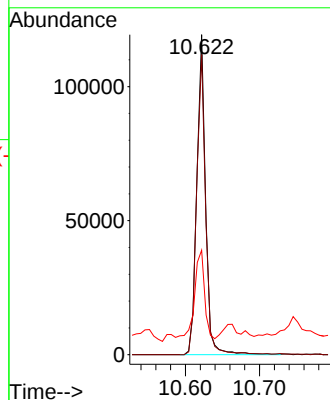
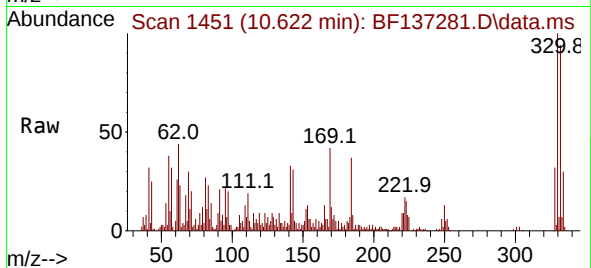
Tgt Ion:330 Resp: 98207

Ion Ratio Lower Upper

330 100

332 96.0 77.3 115.9

141 30.9 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 65.675 ng

RT: 9.146 min Scan# 1200

Delta R.T. -0.005 min

Lab File: BF137281.D

Acq: 05 Feb 2024 17:51

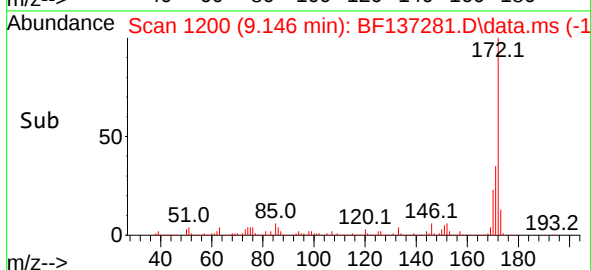
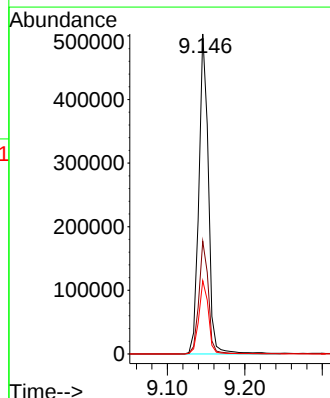
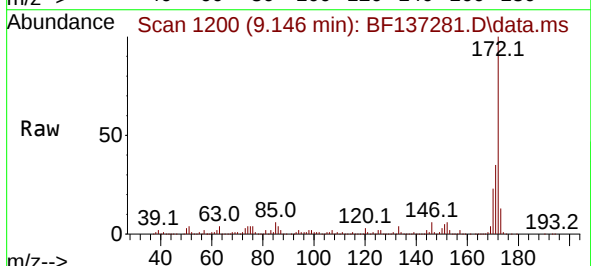
Tgt Ion:172 Resp: 429128

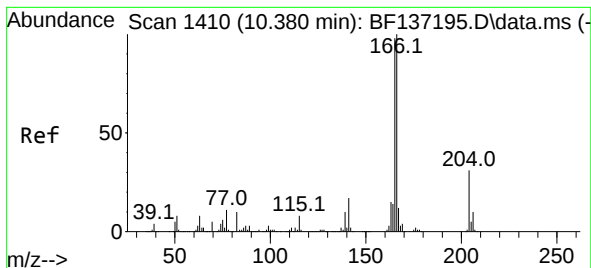
Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 22.9 19.1 28.7





#58

Fluorene

Concen: 2.052 ng

RT: 10.375 min Scan# 1410

Delta R.T. -0.005 min

Lab File: BF137281.D

Acq: 05 Feb 2024 17:51

Instrument :

BNA_F

ClientSampleId :

RT5149

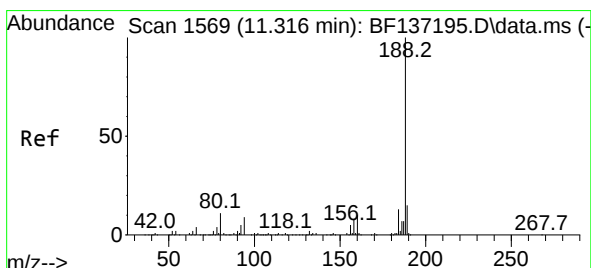
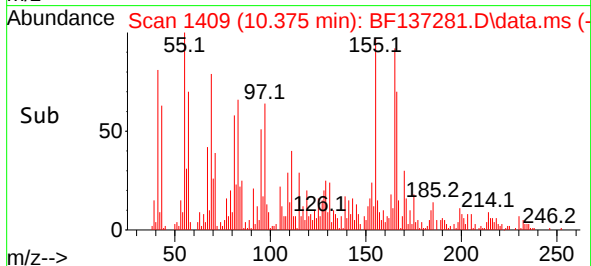
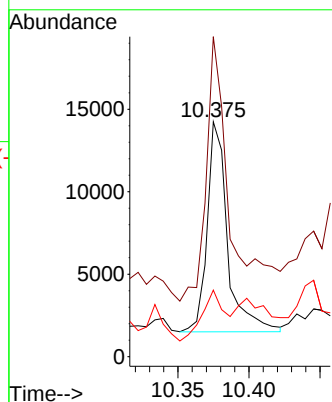
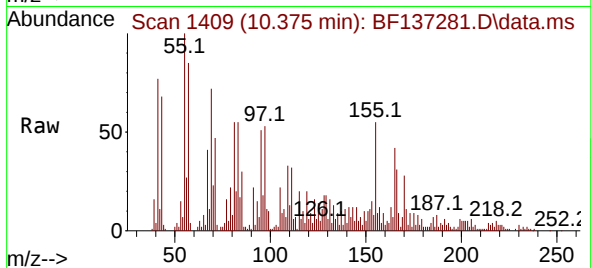
Tgt Ion:166 Resp: 12734

Ion Ratio Lower Upper

166 100

165 136.2 78.5 117.7#

167 28.4 10.0 15.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.328 min Scan# 1571

Delta R.T. 0.012 min

Lab File: BF137281.D

Acq: 05 Feb 2024 17:51

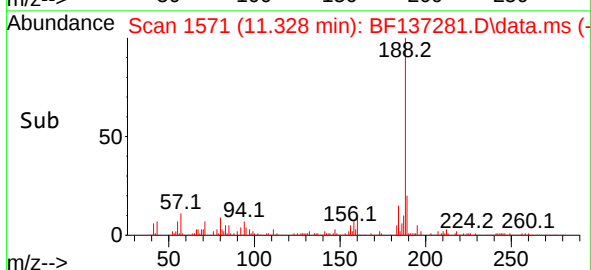
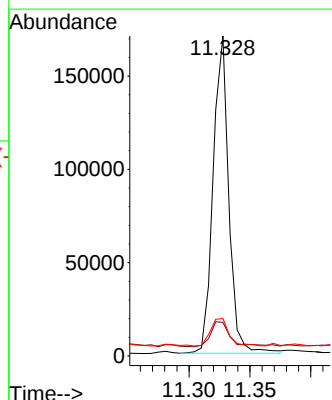
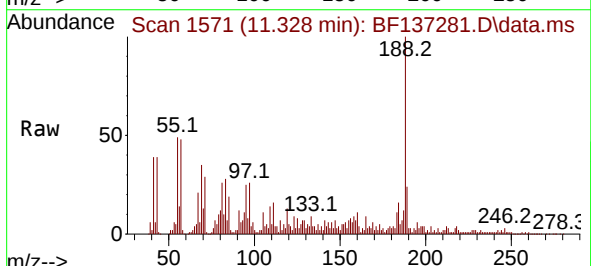
Tgt Ion:188 Resp: 151542

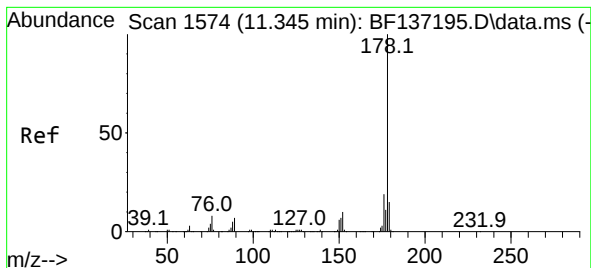
Ion Ratio Lower Upper

188 100

94 10.5 7.0 10.4#

80 11.7 8.8 13.2





#71

Phenanthrene

Concen: 13.180 ng

RT: 11.351 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF137281.D

Acq: 05 Feb 2024 17:51

Instrument :

BNA_F

ClientSampleId :

RT5149

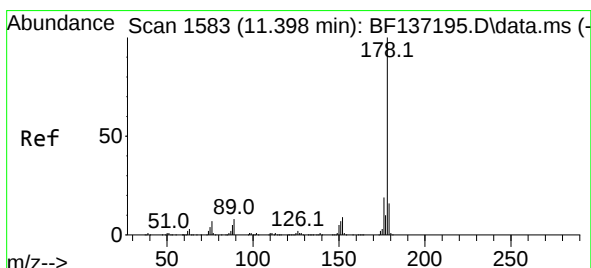
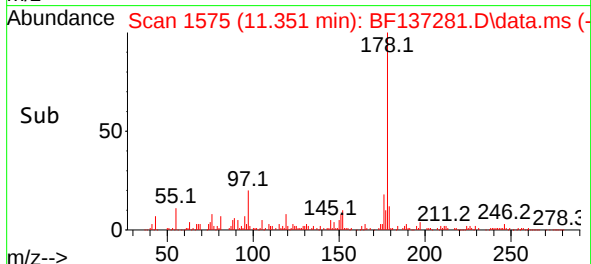
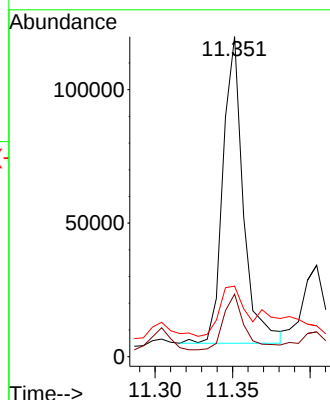
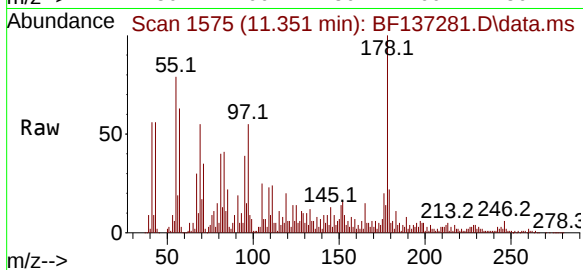
Tgt Ion:178 Resp: 104564

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

179 22.1 12.1 18.1#



#72

Anthracene

Concen: 3.271 ng

RT: 11.404 min Scan# 1584

Delta R.T. 0.006 min

Lab File: BF137281.D

Acq: 05 Feb 2024 17:51

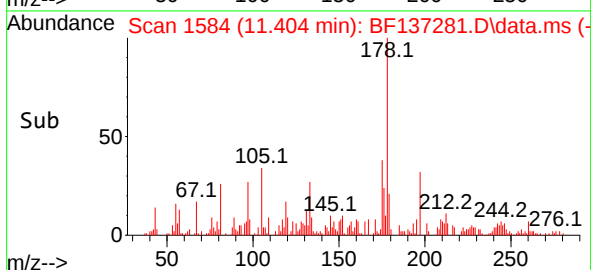
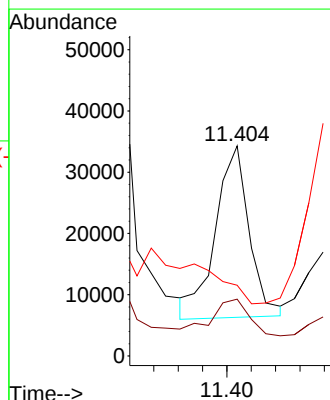
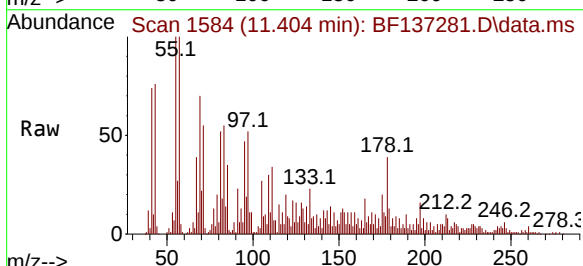
Tgt Ion:178 Resp: 27049

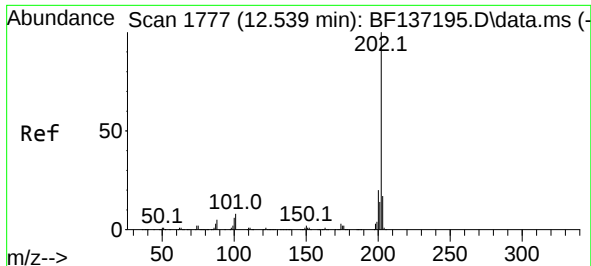
Ion Ratio Lower Upper

178 100

176 27.1 15.3 22.9#

179 33.7 12.7 19.1#

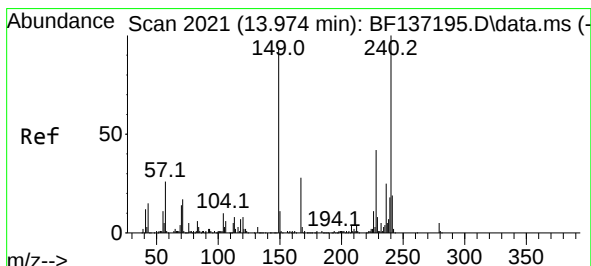
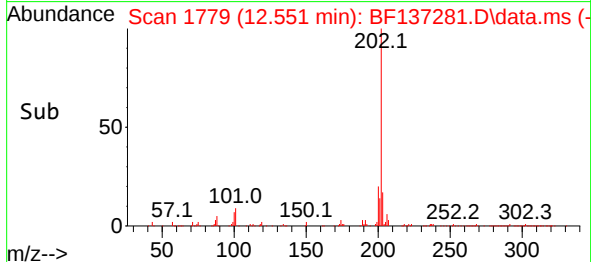
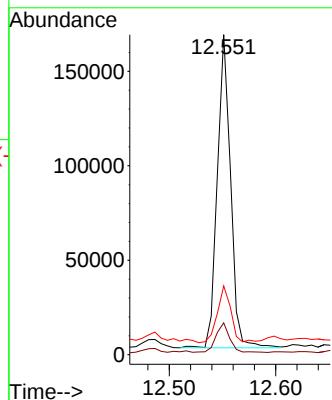
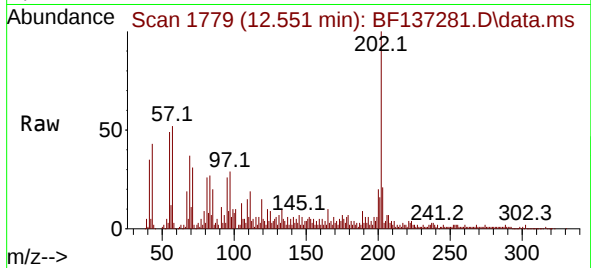




#75
Fluoranthene
Concen: 17.235 ng
RT: 12.551 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF137281.D
Acq: 05 Feb 2024 17:51

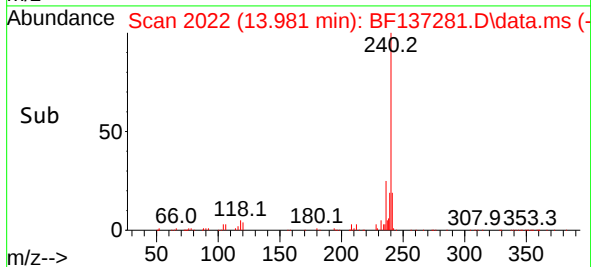
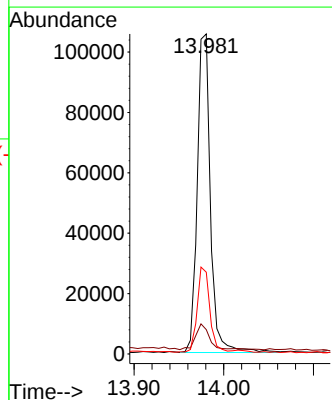
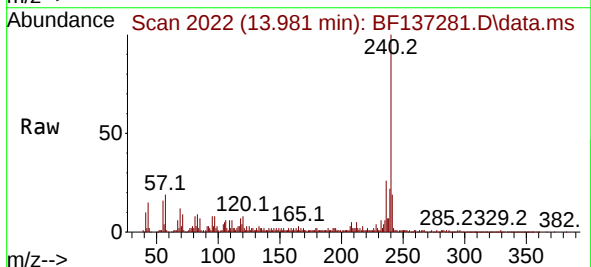
Instrument :
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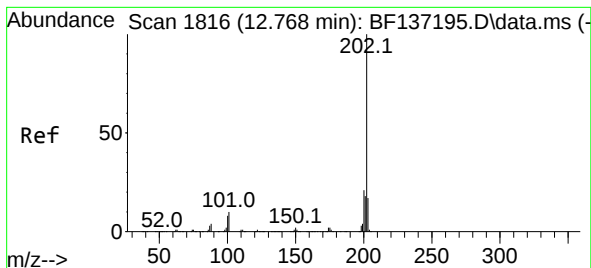
Tgt Ion:202 Resp: 143075
Ion Ratio Lower Upper
202 100
101 9.9 0.0 28.4
203 21.5 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.981 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF137281.D
Acq: 05 Feb 2024 17:51

Tgt Ion:240 Resp: 107772
Ion Ratio Lower Upper
240 100
120 7.6 6.3 9.5
236 25.6 20.3 30.5





#78

Pyrene

Concen: 8.421 ng

RT: 12.781 min Scan# 1816

Delta R.T. 0.012 min

Lab File: BF137281.D

Acq: 05 Feb 2024 17:51

Instrument :

BNA_F

ClientSampleId :

RT5149

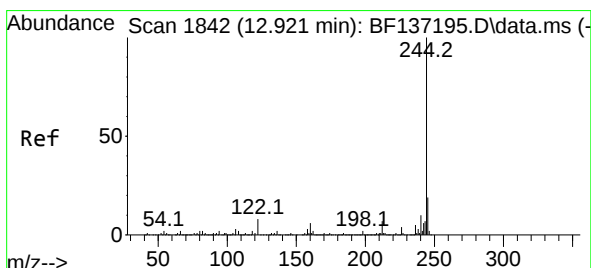
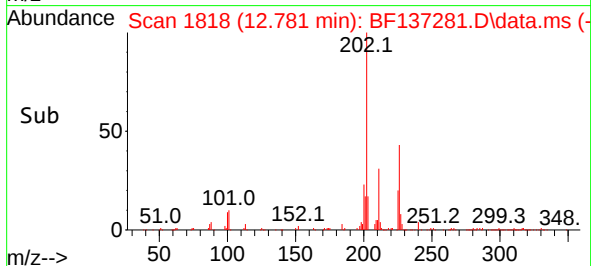
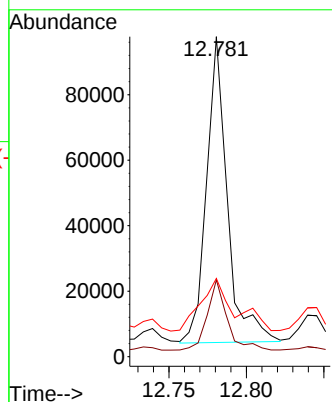
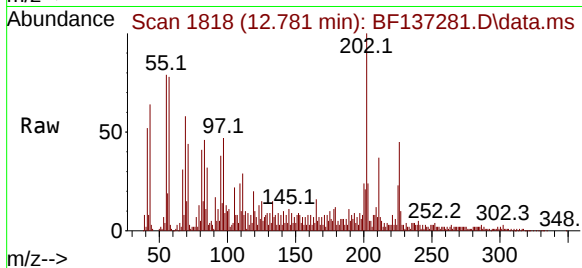
Tgt Ion:202 Resp: 87215

Ion Ratio Lower Upper

202 100

200 24.0 16.5 24.7

203 24.5 13.8 20.6#



#79

Terphenyl-d14

Concen: 57.256 ng

RT: 12.928 min Scan# 1843

Delta R.T. 0.006 min

Lab File: BF137281.D

Acq: 05 Feb 2024 17:51

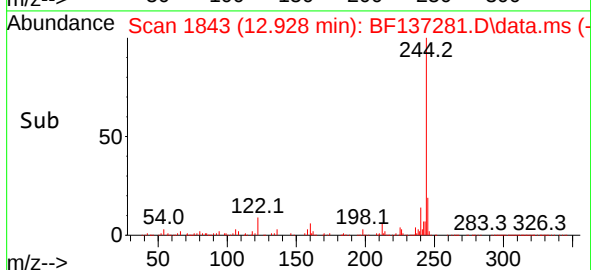
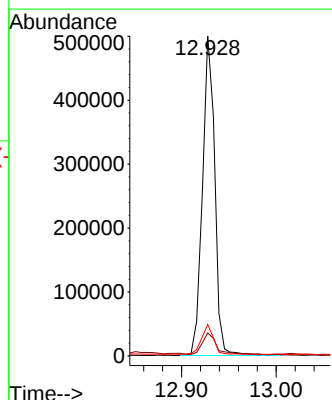
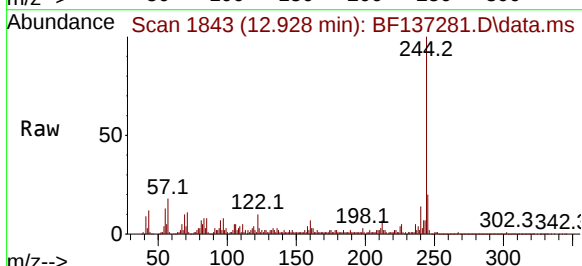
Tgt Ion:244 Resp: 453905

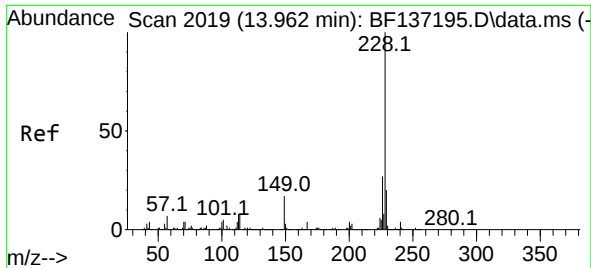
Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 9.8 6.2 9.4#

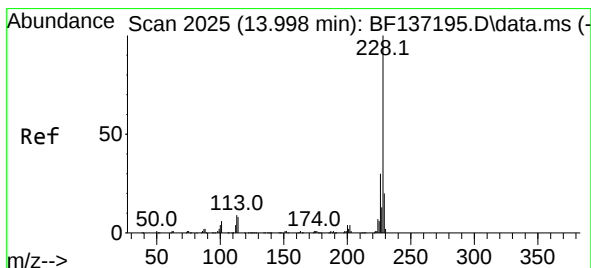
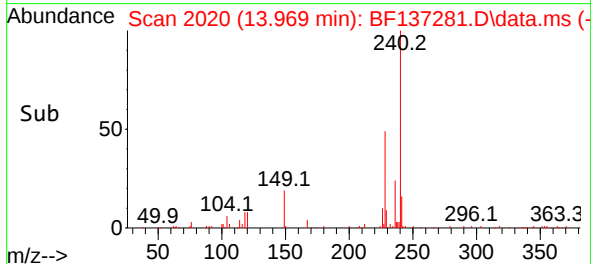
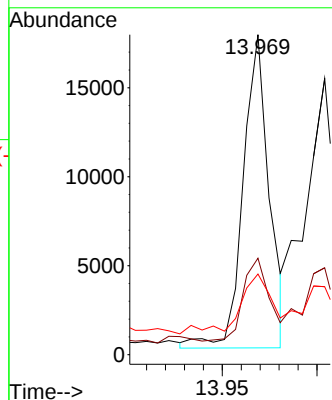
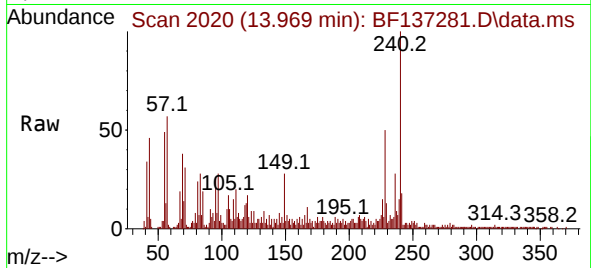




#81
Benzo(a)anthracene
Concen: 2.212 ng
RT: 13.969 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF137281.D
Acq: 05 Feb 2024 17:51

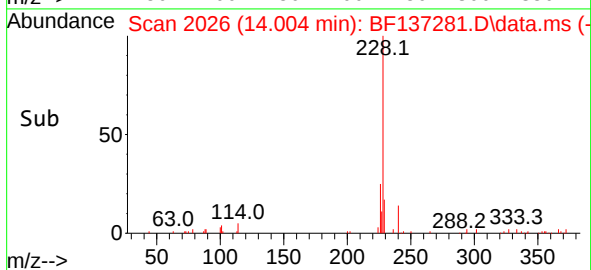
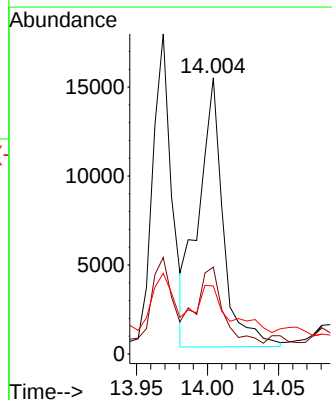
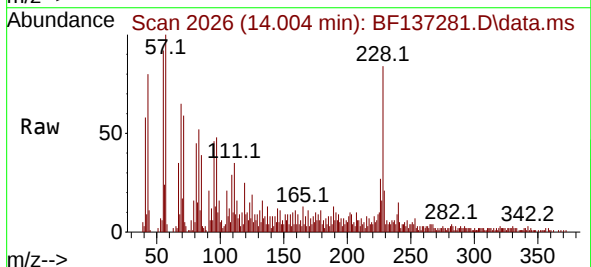
Instrument :
BNA_F
ClientSampleId :
RT5149

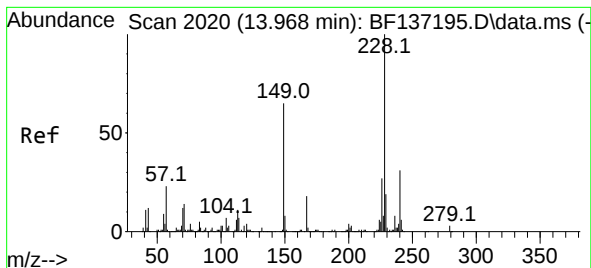
Tgt Ion:228 Resp: 16886
Ion Ratio Lower Upper
228 100
226 30.1 21.6 32.4
229 25.2 15.8 23.6#



#83
Chrysene
Concen: 2.472 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF137281.D
Acq: 05 Feb 2024 17:51

Tgt Ion:228 Resp: 18547
Ion Ratio Lower Upper
228 100
226 31.4 23.7 35.5
229 24.6 15.6 23.4#





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.980 ng

RT: 13.969 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF137281.D

Acq: 05 Feb 2024 17:51

Instrument :

BNA_F

ClientSampleId :

RT5149

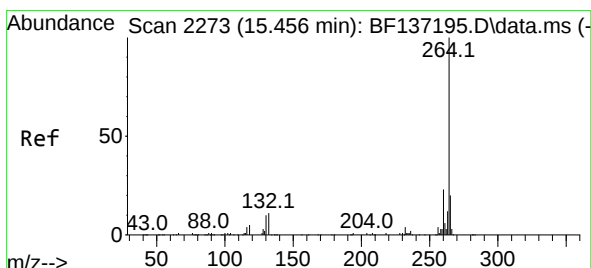
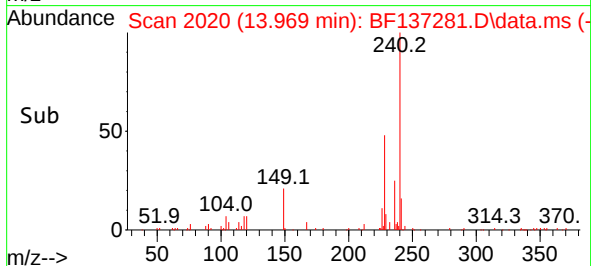
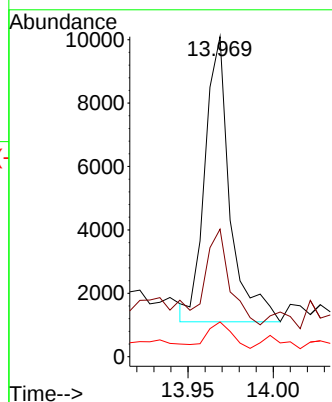
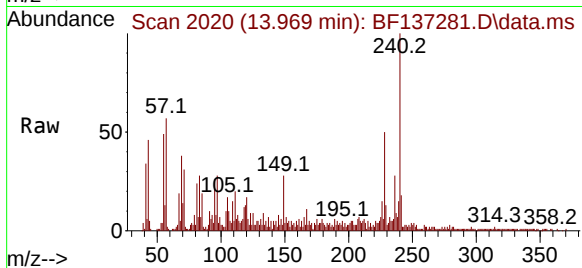
Tgt Ion:149 Resp: 9187

Ion Ratio Lower Upper

149 100

167 39.8 21.7 32.5#

279 10.8 3.4 5.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. -0.005 min

Lab File: BF137281.D

Acq: 05 Feb 2024 17:51

Tgt Ion:264 Resp: 92130

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.4

265 22.0 16.2 24.2

