

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022924\
 Data File : BP019949.D
 Acq On : 29 Feb 2024 21:54
 Operator : MA/JU
 Sample : P1622-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HD-02-022824

Quant Time: Mar 01 03:45:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 29 12:18:35 2024
 Response via : Initial Calibration

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

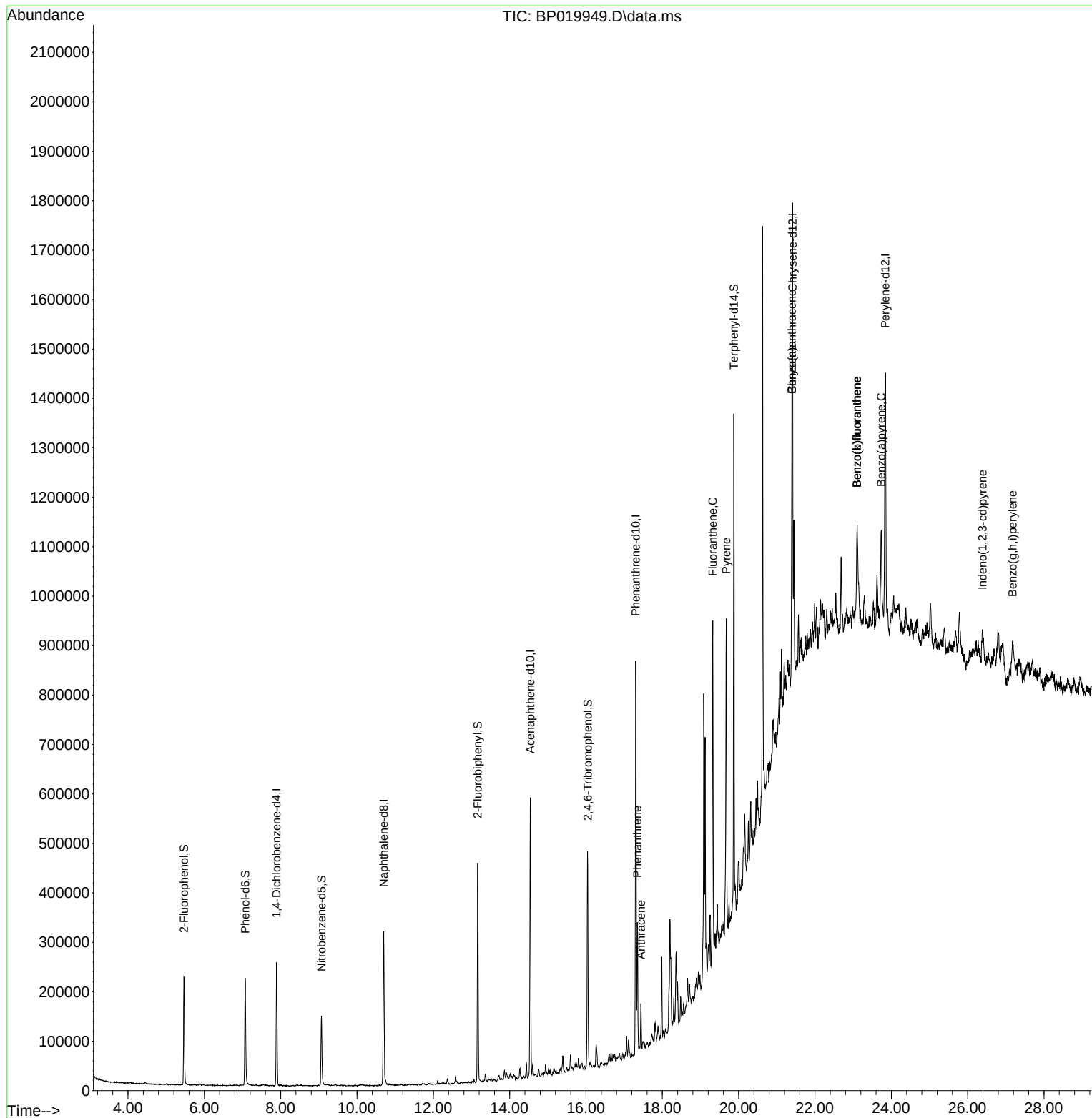
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	66965	20.000	ng	-0.02
21) Naphthalene-d8	10.699	136	266698	20.000	ng	-0.02
39) Acenaphthene-d10	14.540	164	204733	20.000	ng	-0.02
64) Phenanthrene-d10	17.304	188	497783	20.000	ng	-0.02
76) Chrysene-d12	21.410	240	426267	20.000	ng	-0.02
86) Perylene-d12	23.845	264	447459	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.470	112	101172	24.798	ng	-0.01
7) Phenol-d6	7.069	99	137849	22.694	ng	-0.02
23) Nitrobenzene-d5	9.069	82	95678	14.483	ng	-0.02
42) 2,4,6-Tribromophenol	16.045	330	96129	27.384	ng	-0.02
45) 2-Fluorobiphenyl	13.163	172	238050	15.710	ng	-0.02
79) Terphenyl-d14	19.875	244	484898	17.929	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.345	178	163228	6.143	ng	99
72) Anthracene	17.439	178	60365	2.226	ng	96
75) Fluoranthene	19.322	202	351900	10.205	ng	99
78) Pyrene	19.675	202	408011	13.931	ng	99
81) Benzo(a)anthracene	21.392	228	208329	6.885	ng	96
83) Chrysene	21.392	228	208329	7.348	ng	95
87) Indeno(1,2,3-cd)pyrene	26.392	276	91747	2.912	ng	97
88) Benzo(b)fluoranthene	23.098	252	196662	7.169	ng	# 86
89) Benzo(k)fluoranthene	23.098	252	196662	7.310	ng	# 86
90) Benzo(a)pyrene	23.733	252	160810	6.134	ng	# 91
92) Benzo(g,h,i)perylene	27.174	276	86767	3.394	ng	# 89

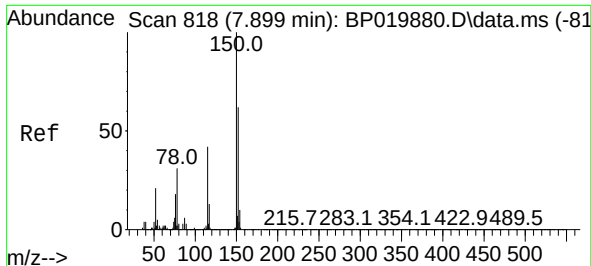
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022924\
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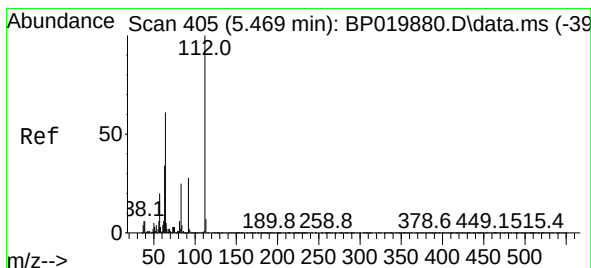
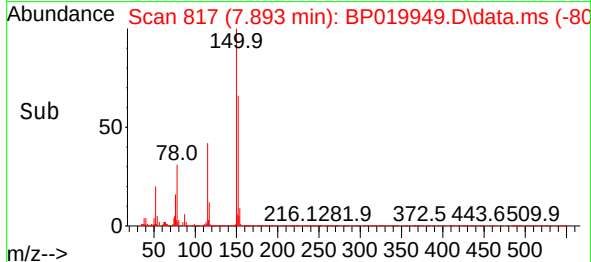
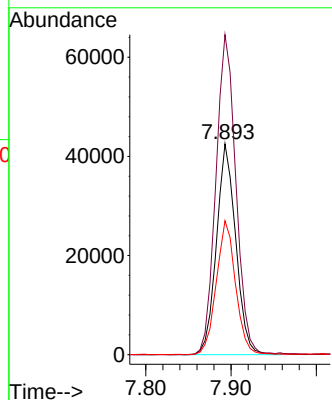
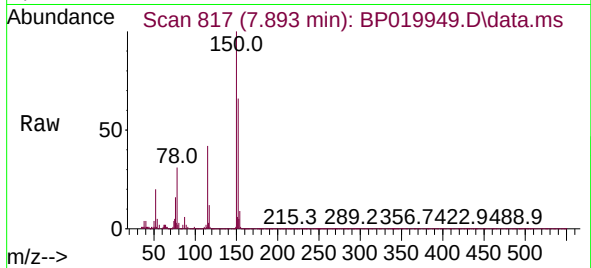




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 818
Delta R.T. -0.017 min
Lab File: BP019949.D
Acq: 29 Feb 2024 21:54

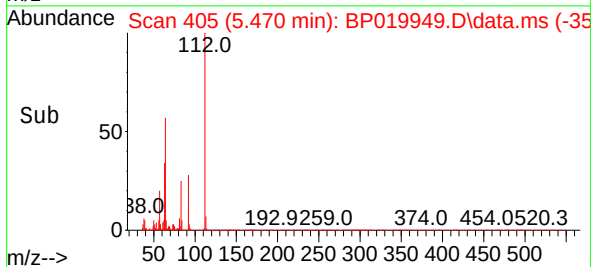
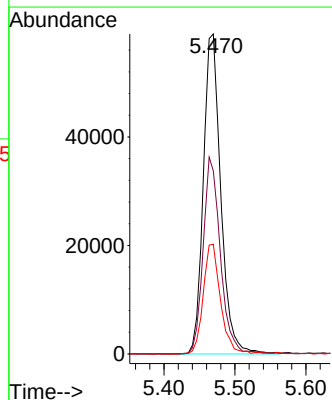
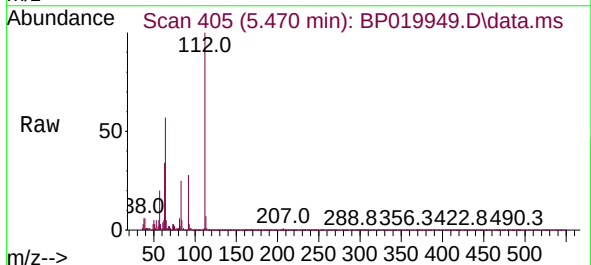
Instrument :
BNA_P
ClientSampleId :
HD-02-022824

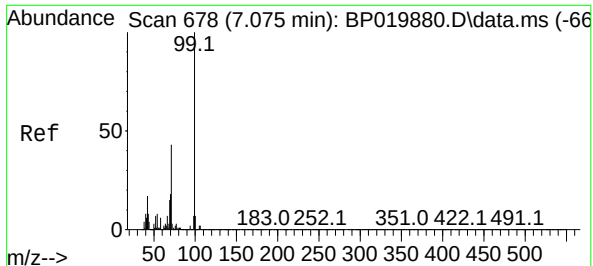
Tgt Ion:152 Resp: 66965
Ion Ratio Lower Upper
152 100
150 151.8 128.6 192.8
115 63.5 53.4 80.2



#5
2-Fluorophenol
Concen: 24.798 ng
RT: 5.470 min Scan# 405
Delta R.T. -0.012 min
Lab File: BP019949.D
Acq: 29 Feb 2024 21:54

Tgt Ion:112 Resp: 101172
Ion Ratio Lower Upper
112 100
64 57.2 49.0 73.6
63 34.3 27.6 41.4

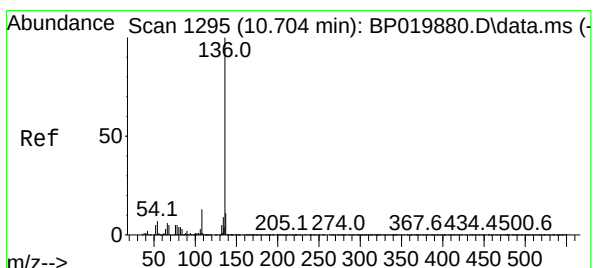
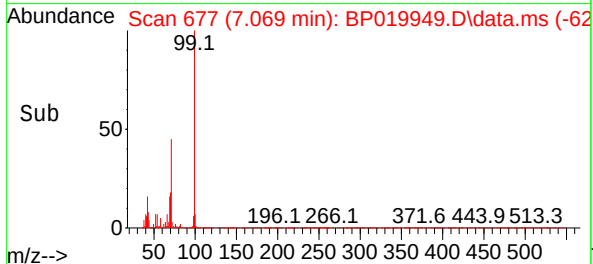
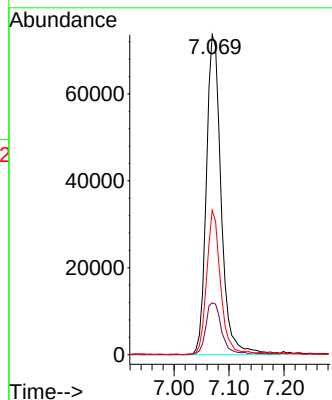
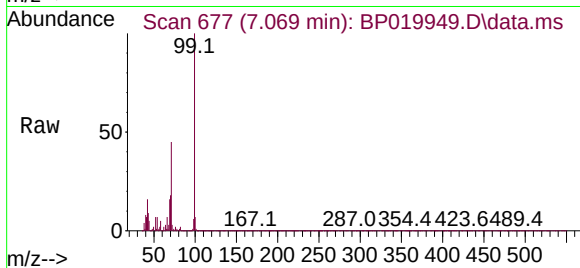




#7
Phenol-d6
Concen: 22.694 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.018 min
Lab File: BP019949.D
Acq: 29 Feb 2024 21:54

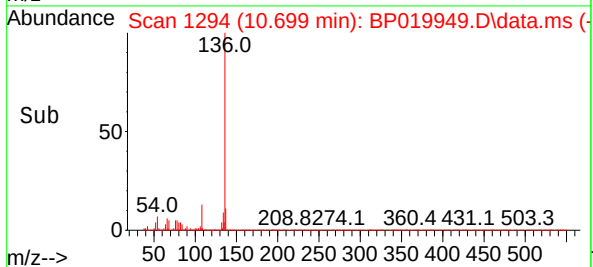
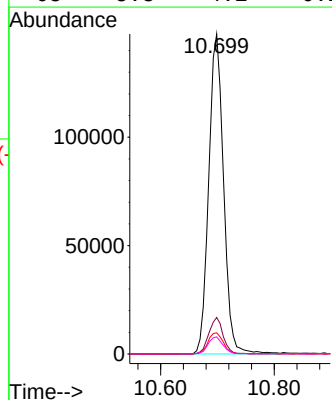
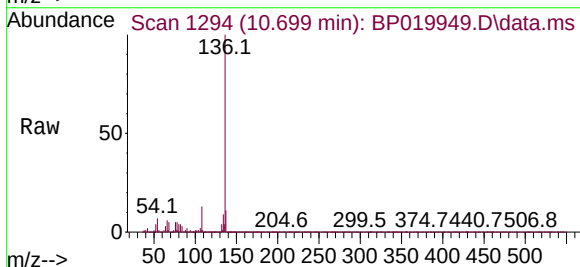
Instrument :
BNA_P
ClientSampleId :
HD-02-022824

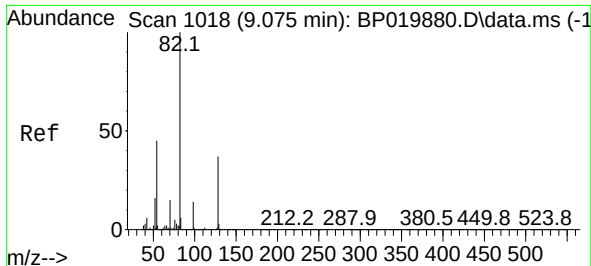
Tgt Ion: 99 Resp: 137849
Ion Ratio Lower Upper
99 100
42 16.2 13.8 20.8
71 45.1 34.5 51.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.699 min Scan# 1294
Delta R.T. -0.018 min
Lab File: BP019949.D
Acq: 29 Feb 2024 21:54

Tgt Ion: 136 Resp: 266698
Ion Ratio Lower Upper
136 100
137 11.4 8.7 13.1
54 6.6 6.0 9.0
68 5.3 4.2 6.2





#23

Nitrobenzene-d5

Concen: 14.483 ng

RT: 9.069 min Scan# 1018

Delta R.T. -0.018 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

Instrument :

BNA_P

ClientSampleId :

HD-02-022824

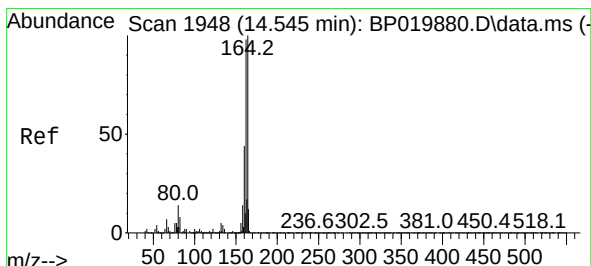
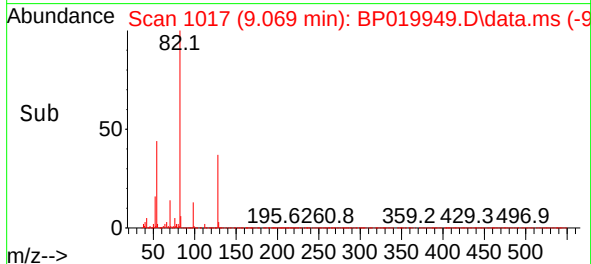
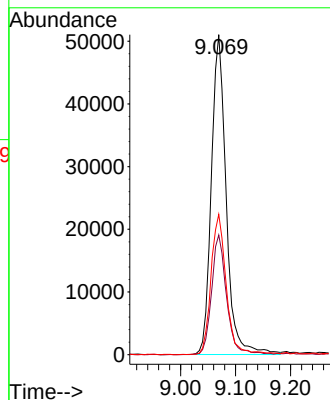
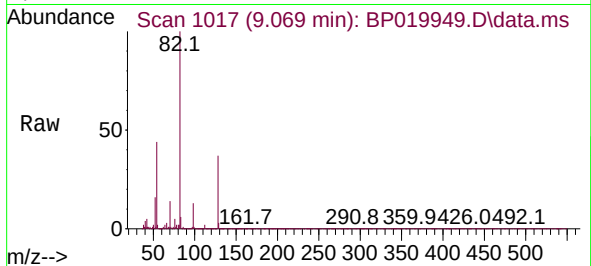
Tgt Ion: 82 Resp: 95678

Ion Ratio Lower Upper

82 100

128 37.4 29.6 44.4

54 43.8 36.3 54.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.540 min Scan# 1947

Delta R.T. -0.018 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

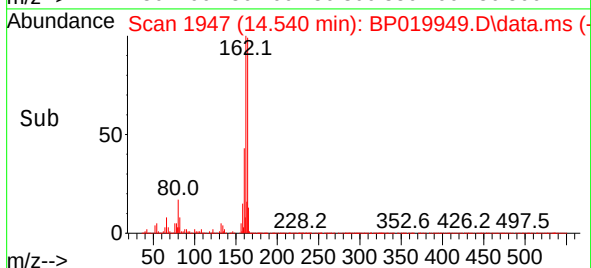
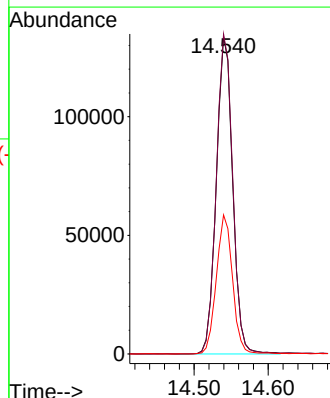
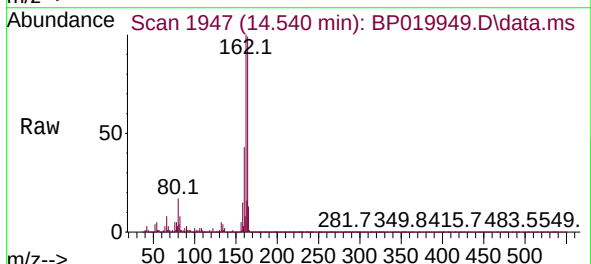
Tgt Ion:164 Resp: 204733

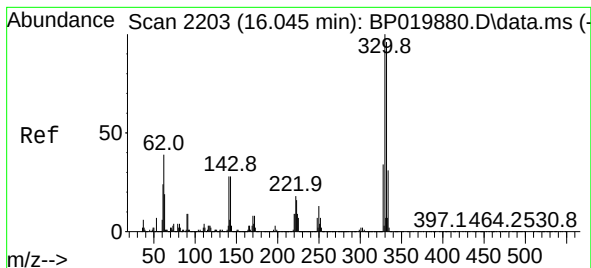
Ion Ratio Lower Upper

164 100

162 100.9 78.1 117.1

160 43.8 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 27.384 ng

RT: 16.045 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

Instrument :

BNA_P

ClientSampleId :

HD-02-022824

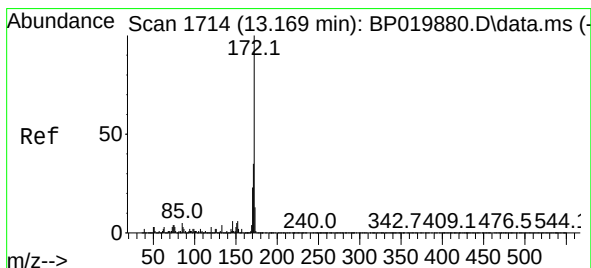
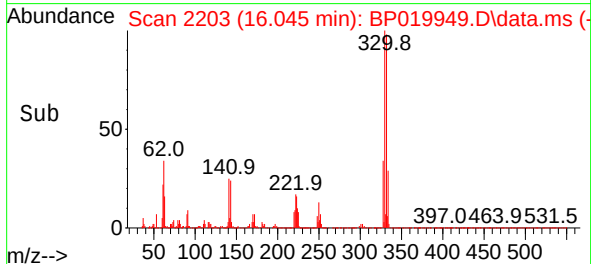
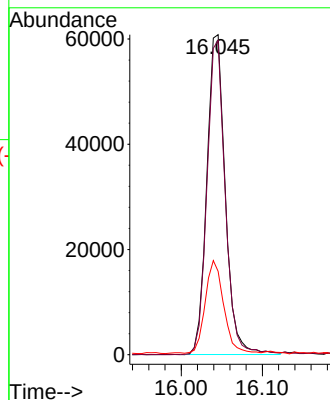
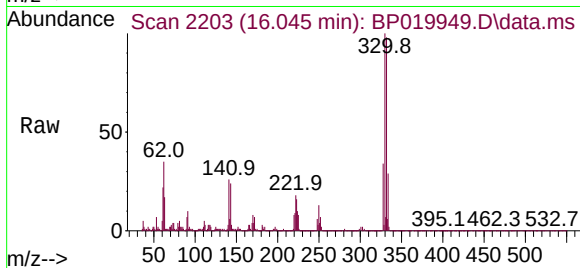
Tgt Ion:330 Resp: 96129

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.2

141 29.4 24.6 37.0



#45

2-Fluorobiphenyl

Concen: 15.710 ng

RT: 13.163 min Scan# 1713

Delta R.T. -0.018 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

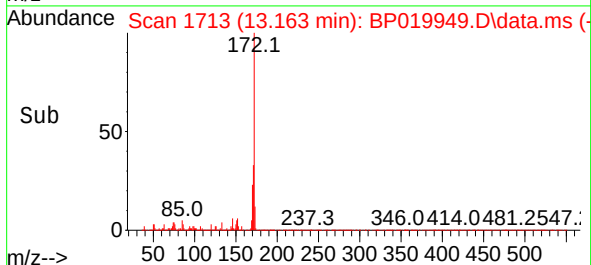
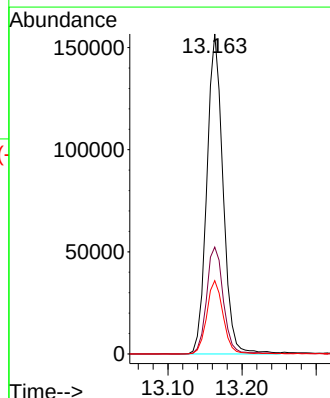
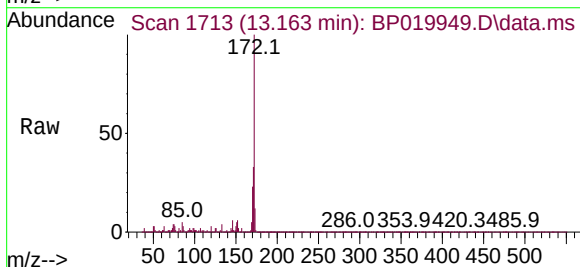
Tgt Ion:172 Resp: 238050

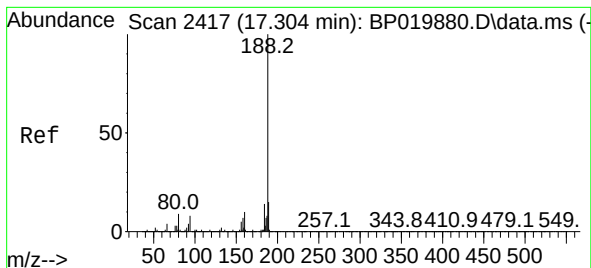
Ion Ratio Lower Upper

172 100

171 33.4 27.8 41.6

170 22.9 18.4 27.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.304 min Scan# 2417

Delta R.T. -0.018 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

Instrument :

BNA_P

ClientSampleId :

HD-02-022824

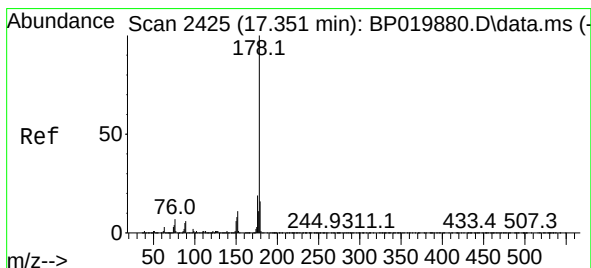
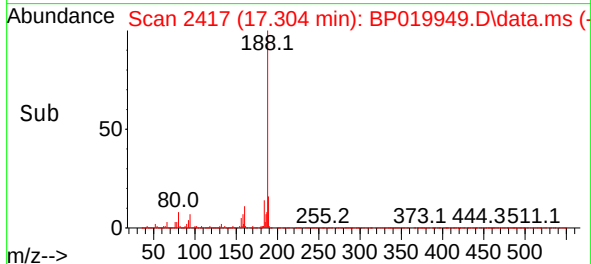
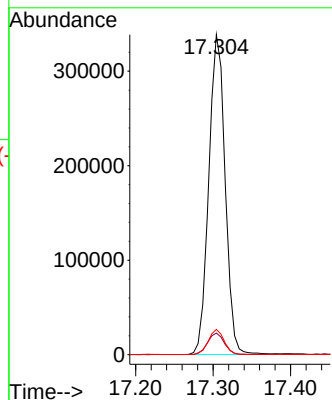
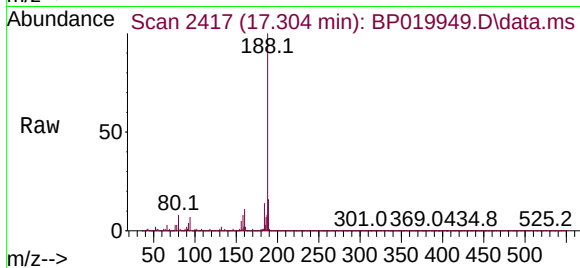
Tgt Ion:188 Resp: 497783

Ion Ratio Lower Upper

188 100

94 6.7 6.2 9.4

80 7.9 7.0 10.4



#71

Phenanthrene

Concen: 6.143 ng

RT: 17.345 min Scan# 2424

Delta R.T. -0.023 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

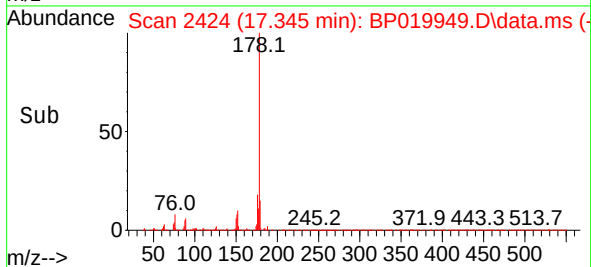
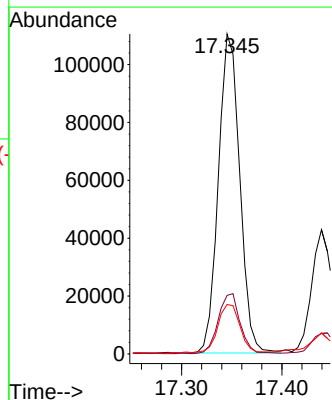
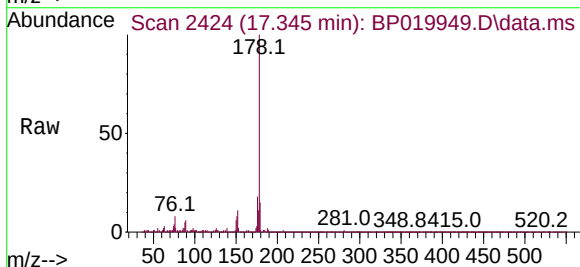
Tgt Ion:178 Resp: 163228

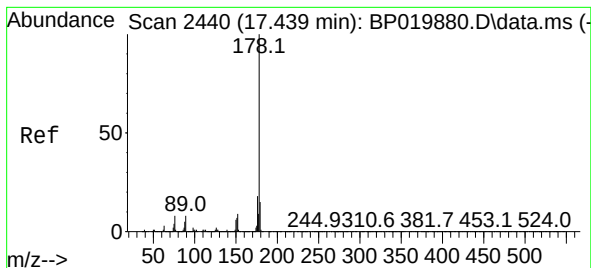
Ion Ratio Lower Upper

178 100

176 18.3 15.2 22.8

179 15.5 12.5 18.7





#72

Anthracene

Concen: 2.226 ng

RT: 17.439 min Scan# 2440

Delta R.T. -0.018 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

Instrument :

BNA_P

ClientSampleId :

HD-02-022824

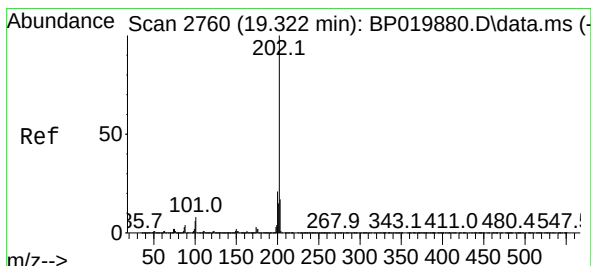
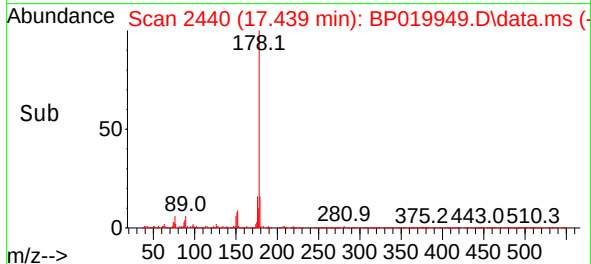
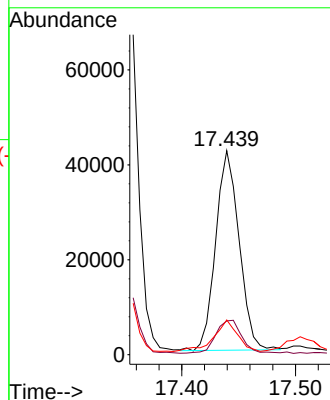
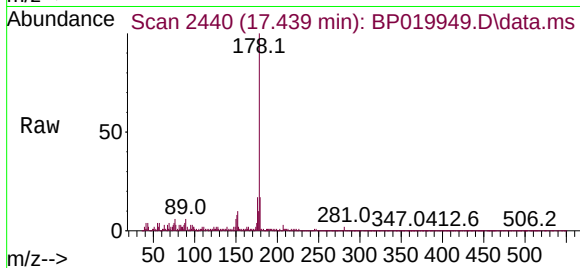
Tgt Ion:178 Resp: 60365

Ion Ratio Lower Upper

178 100

176 16.5 14.7 22.1

179 17.0 12.2 18.4



#75

Fluoranthene

Concen: 10.205 ng

RT: 19.322 min Scan# 2760

Delta R.T. -0.018 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

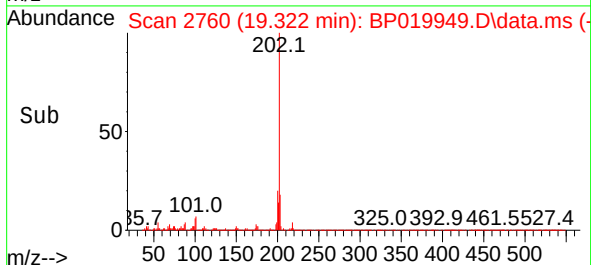
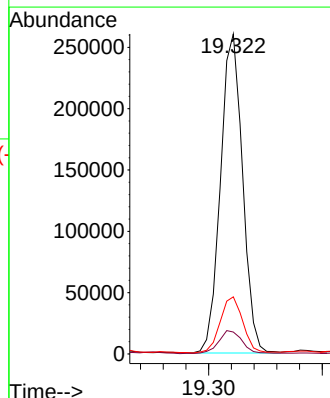
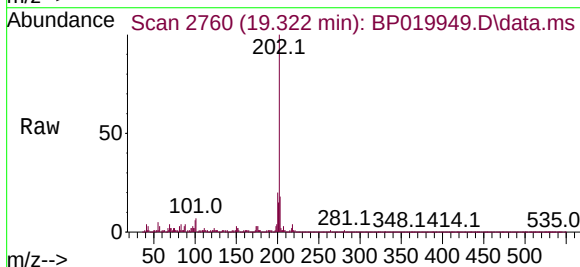
Tgt Ion:202 Resp: 351900

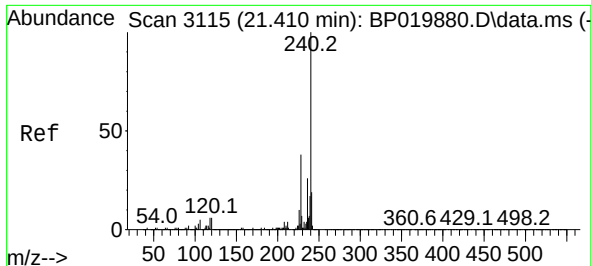
Ion Ratio Lower Upper

202 100

101 6.8 0.0 27.7

203 17.9 0.0 37.5

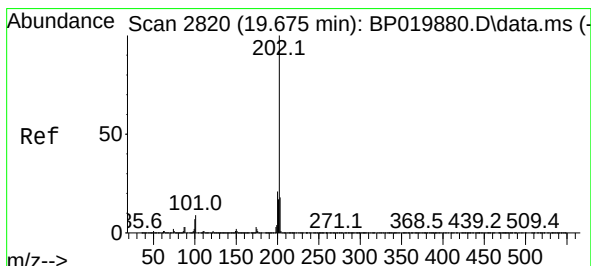
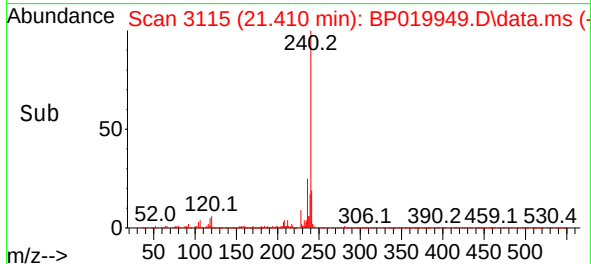
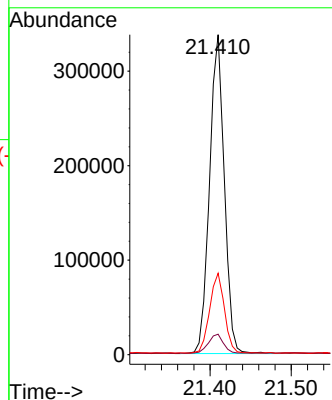
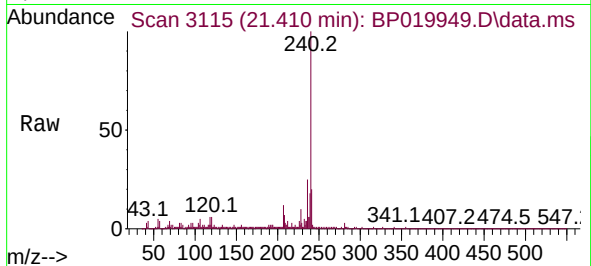




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.410 min Scan# 3115
Delta R.T. -0.018 min
Lab File: BP019949.D
Acq: 29 Feb 2024 21:54

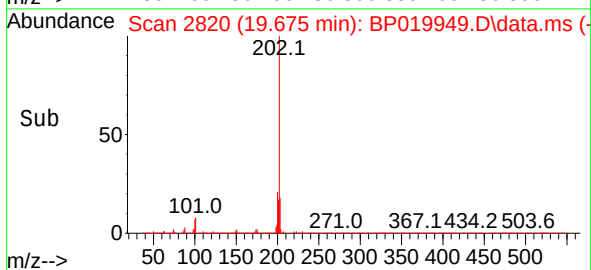
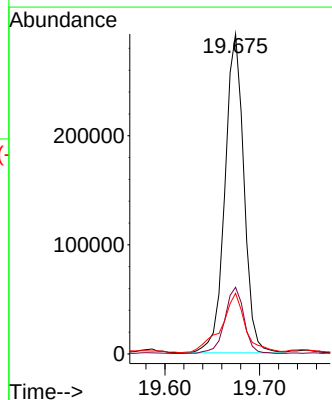
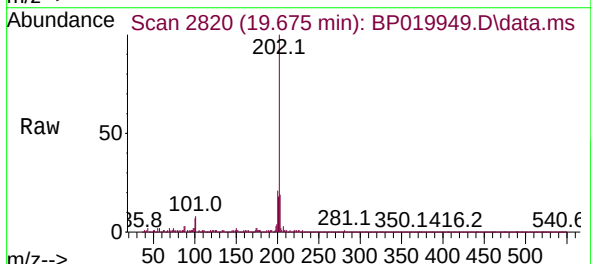
Instrument :
BNA_P
ClientSampleId :
HD-02-022824

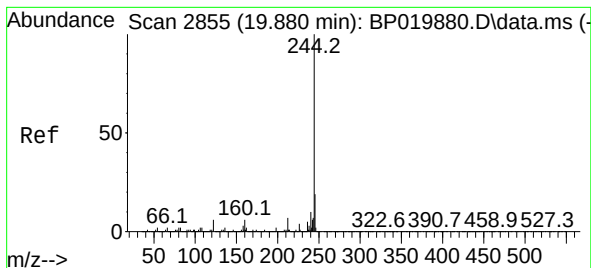
Tgt Ion:240 Resp: 426267
Ion Ratio Lower Upper
240 100
120 6.4 5.1 7.7
236 25.5 20.5 30.7



#78
Pyrene
Concen: 13.931 ng
RT: 19.675 min Scan# 2820
Delta R.T. -0.018 min
Lab File: BP019949.D
Acq: 29 Feb 2024 21:54

Tgt Ion:202 Resp: 408011
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 18.9 14.2 21.2





#79

Terphenyl-d14

Concen: 17.929 ng

RT: 19.875 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

Instrument :

BNA_P

ClientSampleId :

HD-02-022824

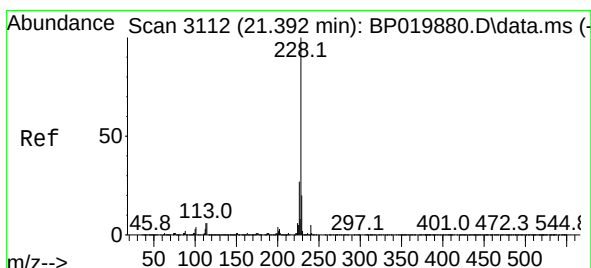
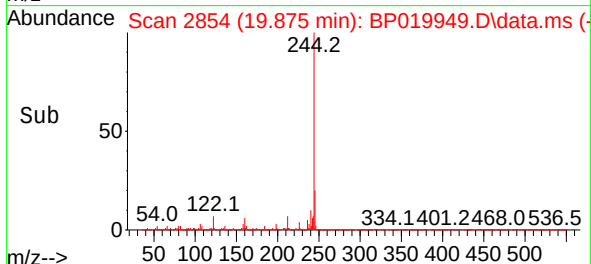
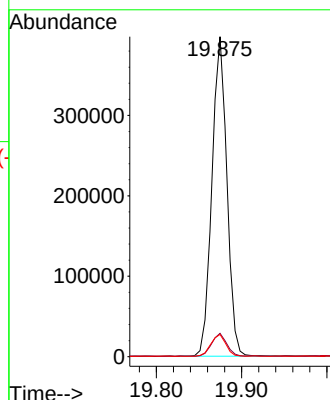
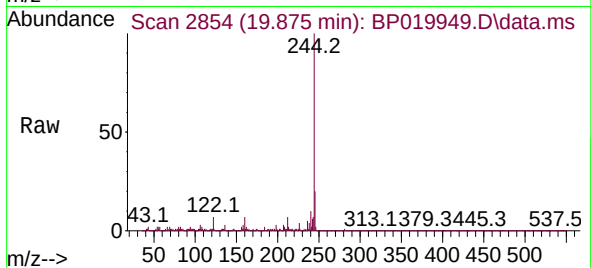
Tgt Ion:244 Resp: 484898

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

122 7.0 5.0 7.6



#81

Benzo(a)anthracene

Concen: 6.885 ng

RT: 21.392 min Scan# 3112

Delta R.T. -0.018 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

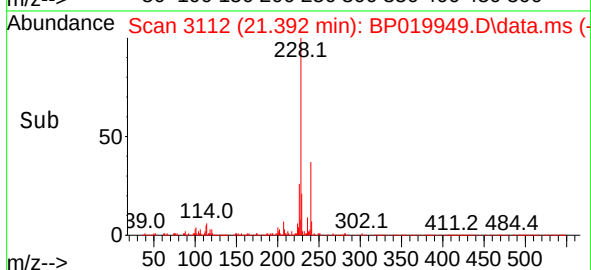
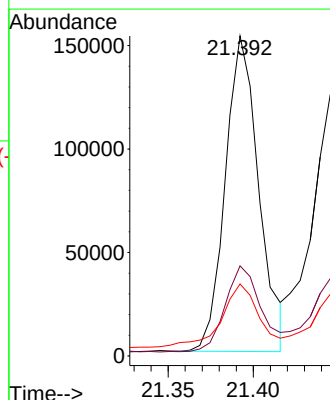
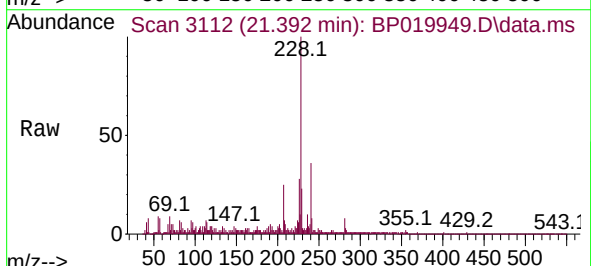
Tgt Ion:228 Resp: 208329

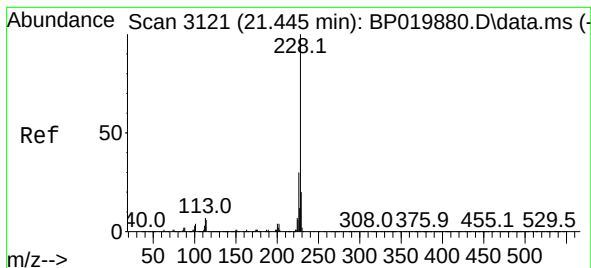
Ion Ratio Lower Upper

228 100

226 28.1 21.5 32.3

229 22.5 15.6 23.4





#83

Chrysene

Concen: 7.348 ng

RT: 21.392 min Scan# 3112

Delta R.T. -0.076 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

Instrument :

BNA_P

ClientSampleId :

HD-02-022824

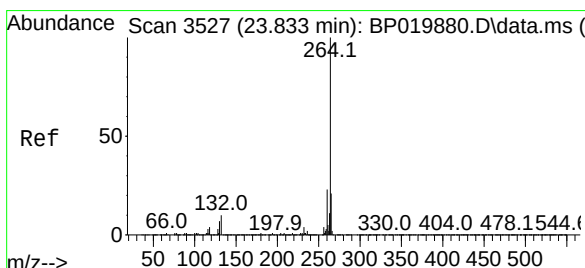
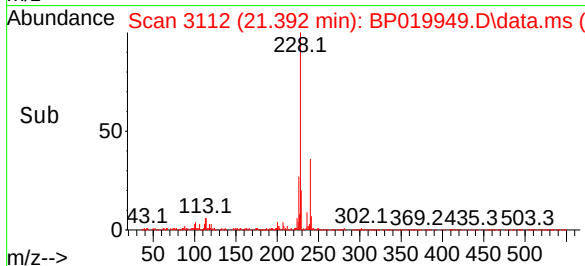
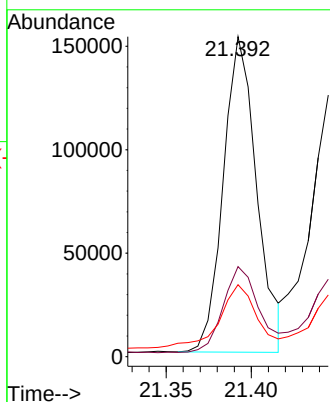
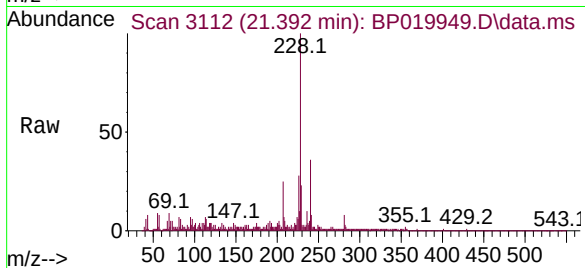
Tgt Ion:228 Resp: 208329

Ion Ratio Lower Upper

228 100

226 28.1 23.9 35.9

229 22.5 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.845 min Scan# 3529

Delta R.T. -0.023 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

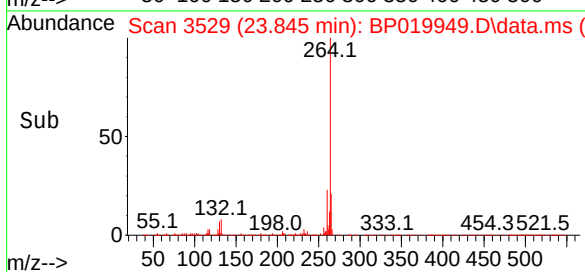
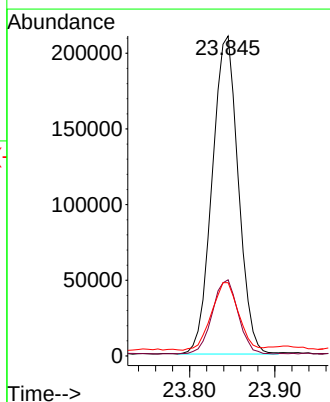
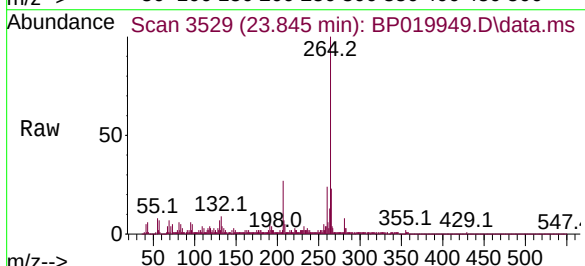
Tgt Ion:264 Resp: 447459

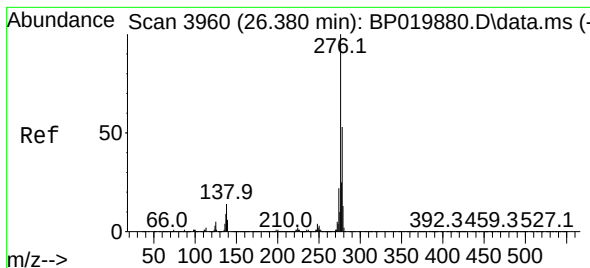
Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 22.9 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.912 ng

RT: 26.392 min Scan# 3962

Delta R.T. -0.053 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

Instrument :

BNA_P

ClientSampleId :

HD-02-022824

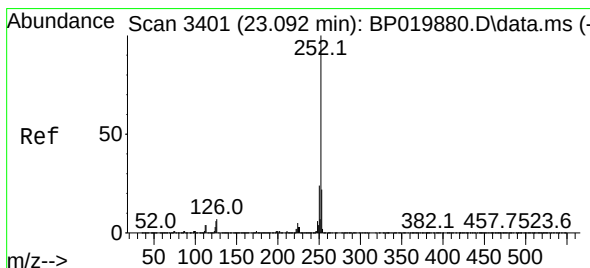
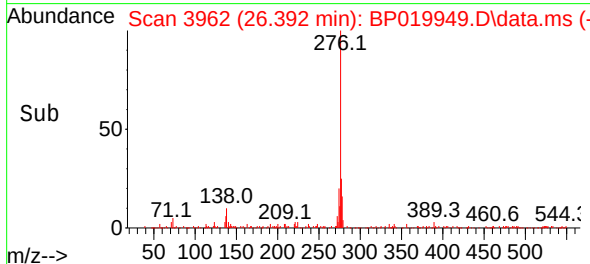
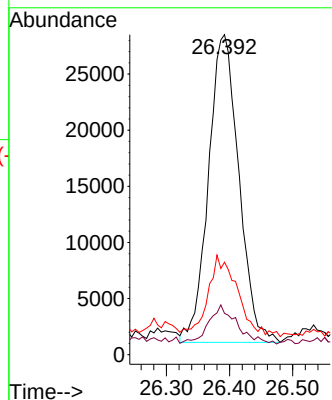
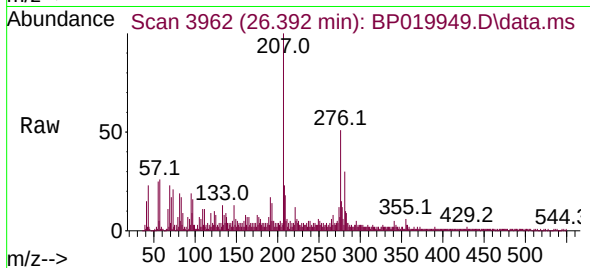
Tgt Ion:276 Resp: 91747

Ion Ratio Lower Upper

276 100

138 11.9 11.7 17.5

277 26.1 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 7.169 ng

RT: 23.098 min Scan# 3402

Delta R.T. -0.023 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

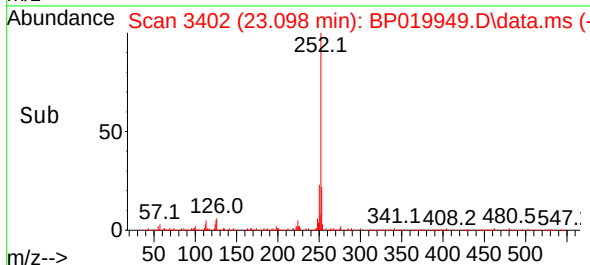
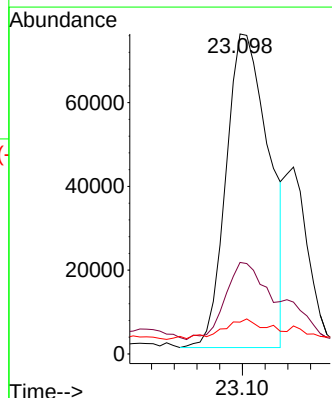
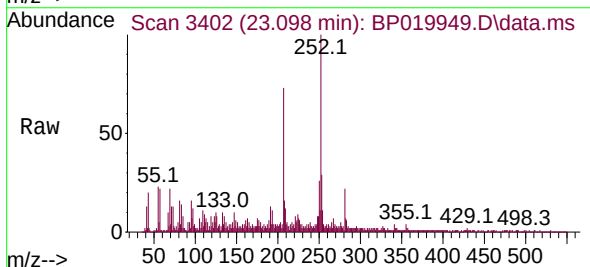
Tgt Ion:252 Resp: 196662

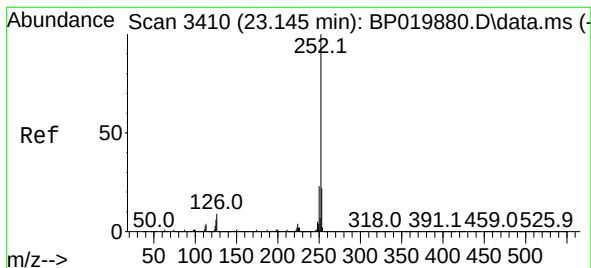
Ion Ratio Lower Upper

252 100

253 28.6 17.6 26.4#

125 10.0 4.6 7.0#





#89

Benzo(k)fluoranthene

Concen: 7.310 ng

RT: 23.098 min Scan# 3410

Delta R.T. -0.076 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

Instrument :

BNA_P

ClientSampleId :

HD-02-022824

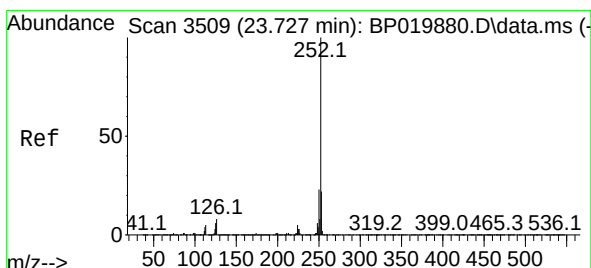
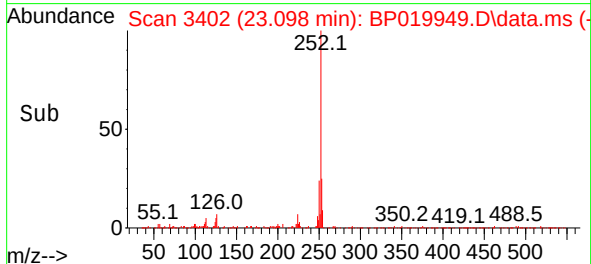
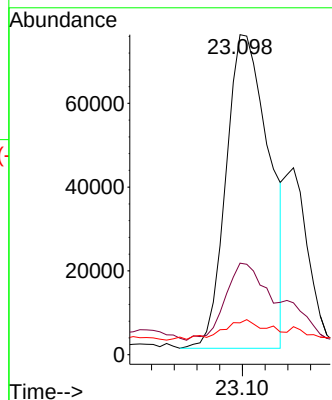
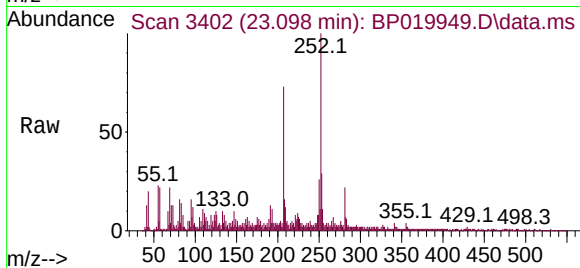
Tgt Ion:252 Resp: 196662

Ion Ratio Lower Upper

252 100

253 28.6 17.3 25.9#

125 10.0 4.6 6.8#



#90

Benzo(a)pyrene

Concen: 6.134 ng

RT: 23.733 min Scan# 3510

Delta R.T. -0.029 min

Lab File: BP019949.D

Acq: 29 Feb 2024 21:54

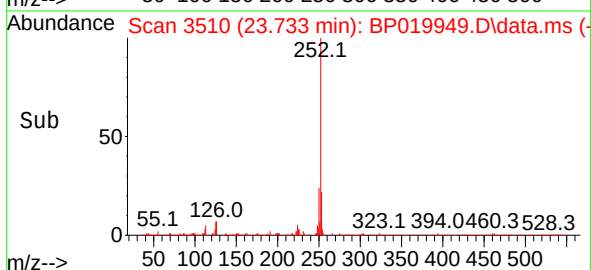
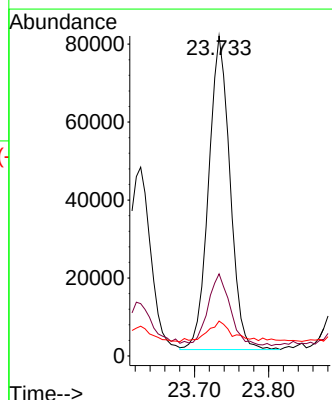
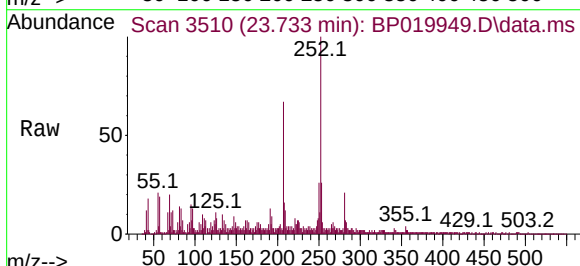
Tgt Ion:252 Resp: 160810

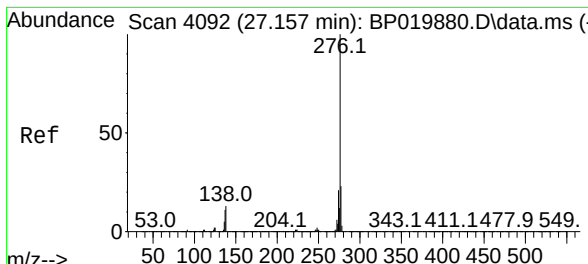
Ion Ratio Lower Upper

252 100

253 25.6 17.5 26.3

125 10.9 5.2 7.8#





#92
 Benzo(g,h,i)perylene
 Concen: 3.394 ng
 RT: 27.174 min Scan# 4095
 Delta R.T. -0.053 min
 Lab File: BP019949.D
 Acq: 29 Feb 2024 21:54

Instrument :
 BNA_P
 ClientSampleId :
 HD-02-022824

Tgt Ion:	276	Resp:	86767
Ion Ratio	Lower	Upper	
276	100		
277	29.5	18.5	27.7#
138	15.7	10.2	15.2#

