

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022324\
 Data File : BP019844.D
 Acq On : 23 Feb 2024 15:33
 Operator : MA/JU
 Sample : P1318-01 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CO-11-GRID-1

Quant Time: Feb 23 16:08:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 13:10:49 2024
 Response via : Initial Calibration

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

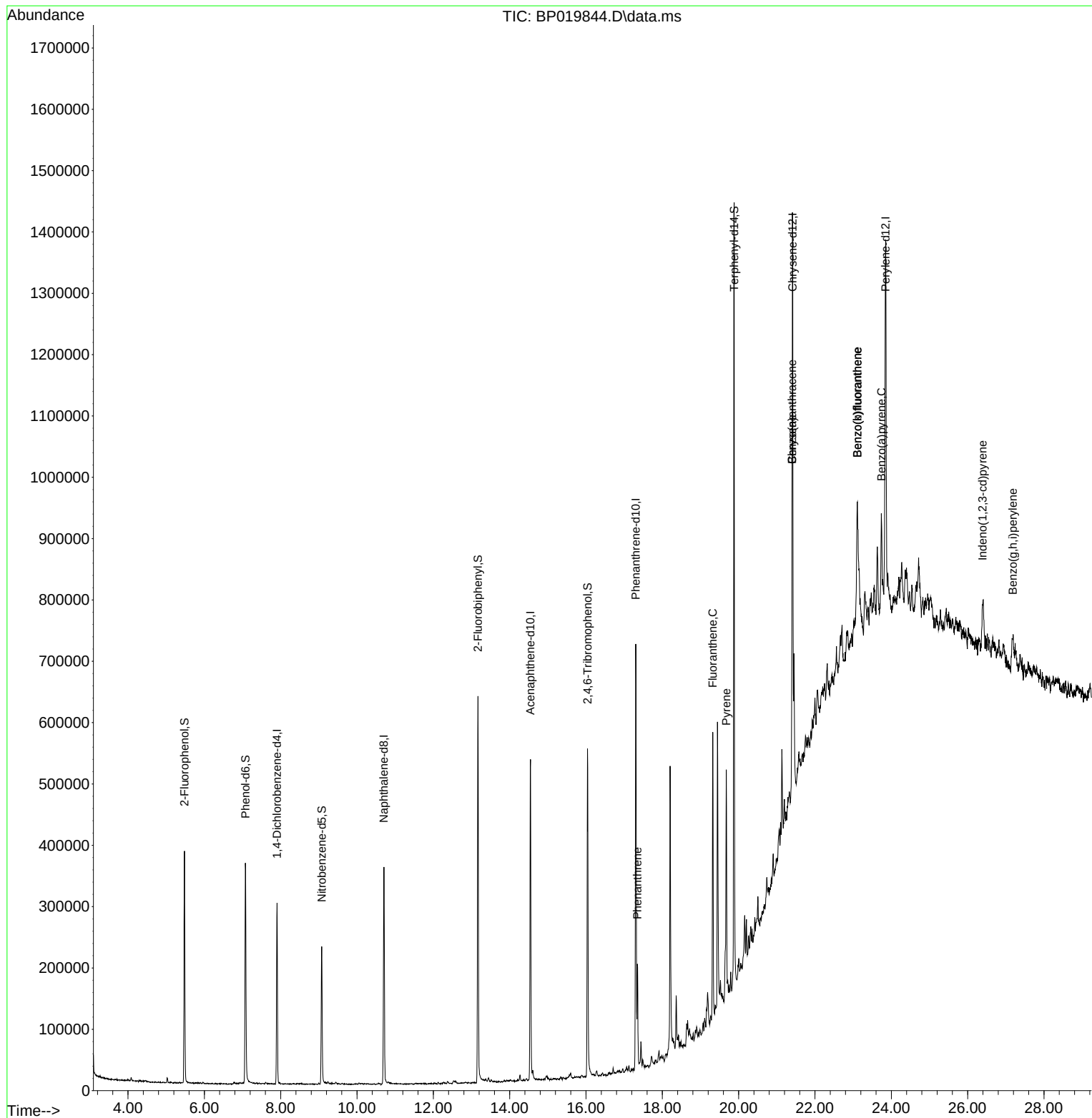
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	80733	20.000	ng	0.00
21) Naphthalene-d8	10.704	136	293721	20.000	ng	0.00
39) Acenaphthene-d10	14.545	164	203107	20.000	ng	0.00
64) Phenanthrene-d10	17.304	188	461261	20.000	ng	0.00
76) Chrysene-d12	21.410	240	443980	20.000	ng	-0.02
86) Perylene-d12	23.851	264	503292	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	165142	32.972	ng	0.00
7) Phenol-d6	7.075	99	217499	32.206	ng	0.00
23) Nitrobenzene-d5	9.075	82	145340	21.441	ng	0.00
42) 2,4,6-Tribromophenol	16.039	330	125906	42.457	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	351237	21.378	ng	0.00
79) Terphenyl-d14	19.880	244	679318	25.163	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	17.345	178	105319	4.339	ng	98
75) Fluoranthene	19.322	202	276209	9.314	ng	99
78) Pyrene	19.674	202	244330	7.798	ng	99
81) Benzo(a)anthracene	21.398	228	153874	4.924	ng	96
83) Chrysene	21.398	228	153874	5.186	ng	97
87) Indeno(1,2,3-cd)pyrene	26.392	276	85485	2.219	ng	# 95
88) Benzo(b)fluoranthene	23.110	252	264547	8.340	ng	# 81
89) Benzo(k)fluoranthene	23.110	252	264547	8.731	ng	# 81
90) Benzo(a)pyrene	23.745	252	135188	4.790	ng	# 92
92) Benzo(g,h,i)perylene	27.186	276	88116	2.741	ng	95

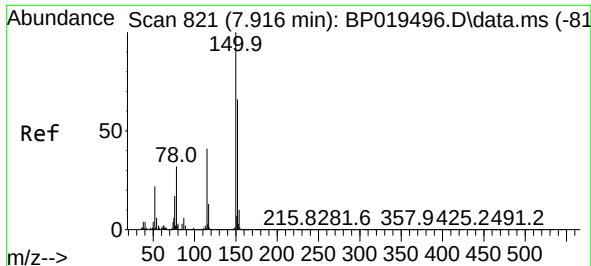
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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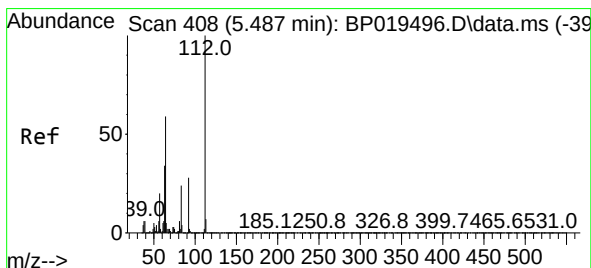
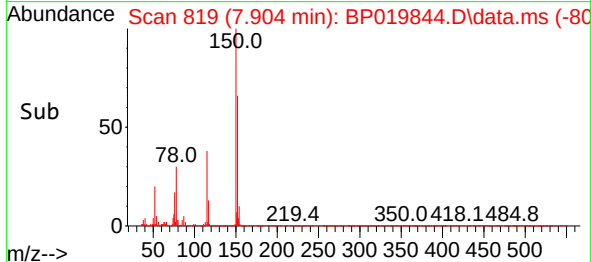
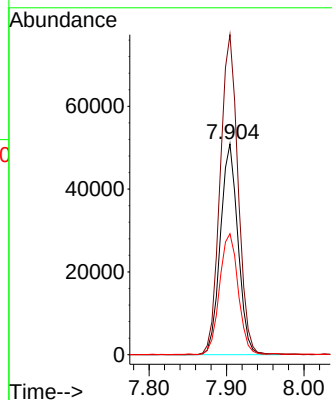
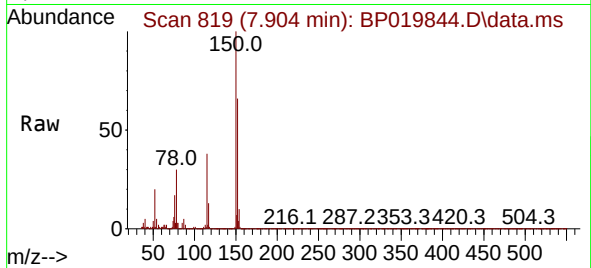




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 81
Delta R.T. 0.005 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

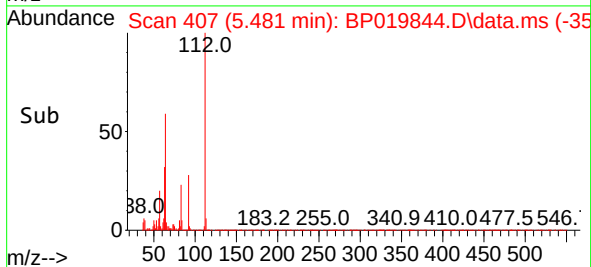
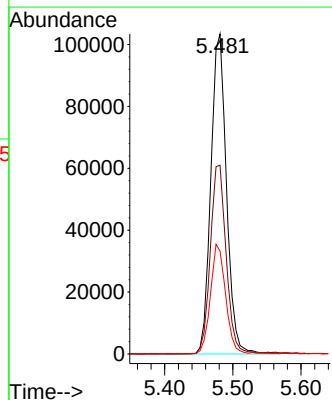
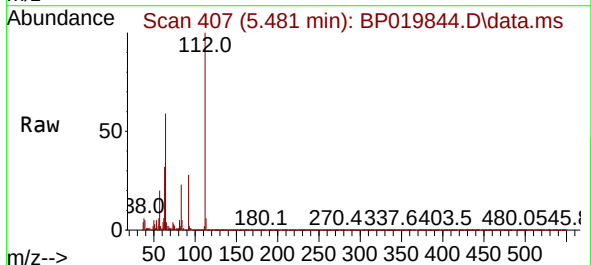
Instrument :
BNA_P
ClientSampleId :
CO-11-GRID-1

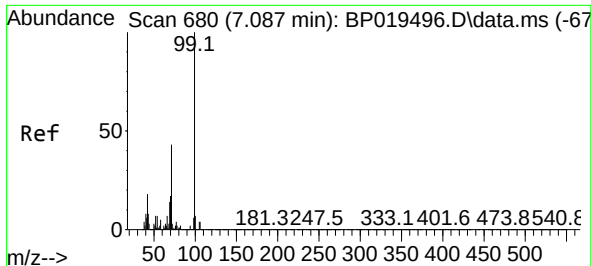
Tgt Ion:152 Resp: 80733
Ion Ratio Lower Upper
152 100
150 151.9 121.8 182.8
115 57.4 49.9 74.9



#5
2-Fluorophenol
Concen: 32.972 ng
RT: 5.481 min Scan# 407
Delta R.T. 0.006 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

Tgt Ion:112 Resp: 165142
Ion Ratio Lower Upper
112 100
64 59.0 47.4 71.0
63 32.1 27.0 40.6

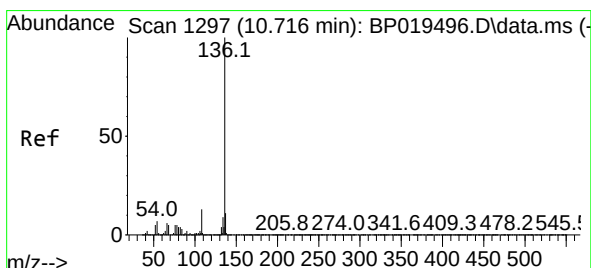
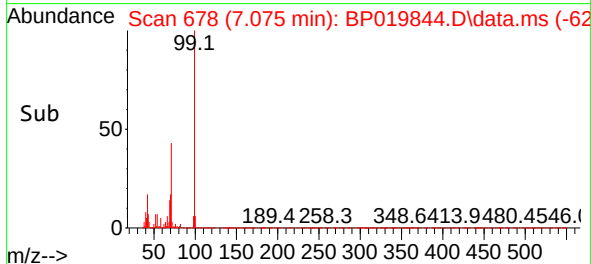
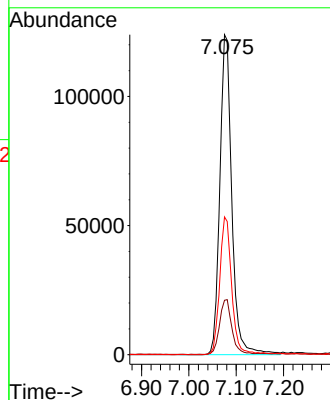
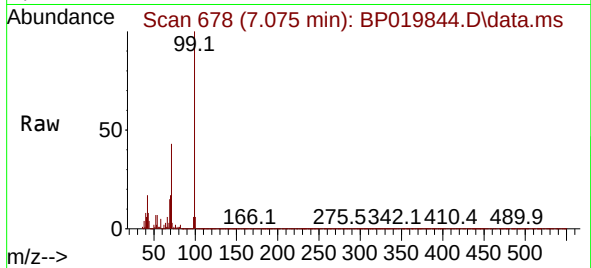




#7
Phenol-d6
Concen: 32.206 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

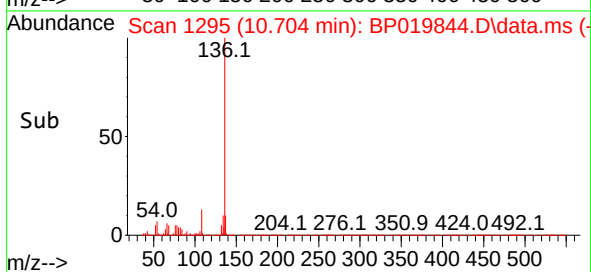
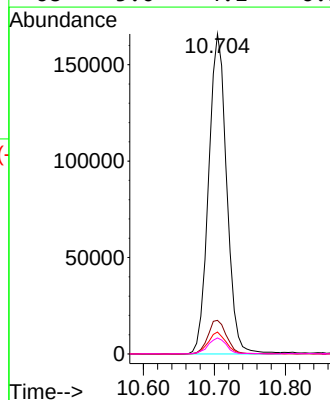
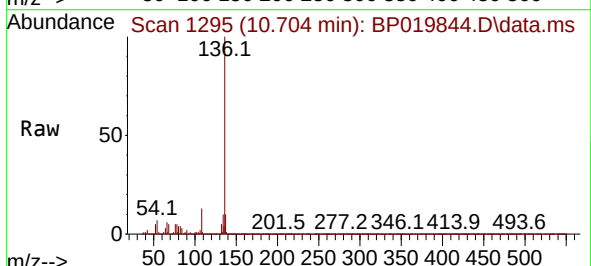
Instrument :
BNA_P
ClientSampleId :
CO-11-GRID-1

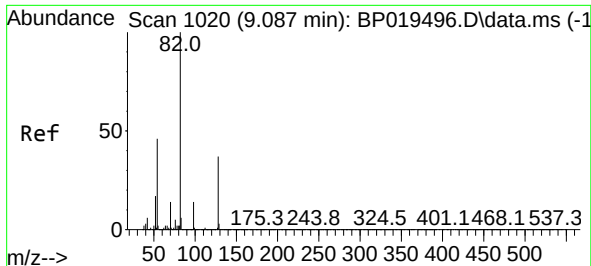
Tgt Ion: 99 Resp: 217499
Ion Ratio Lower Upper
99 100
42 17.0 14.7 22.1
71 43.1 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.000 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

Tgt Ion: 136 Resp: 293721
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 6.9 5.3 7.9
68 5.0 4.1 6.1

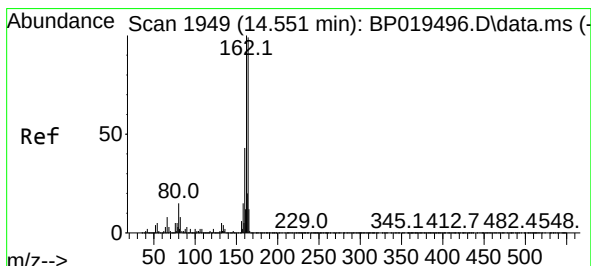
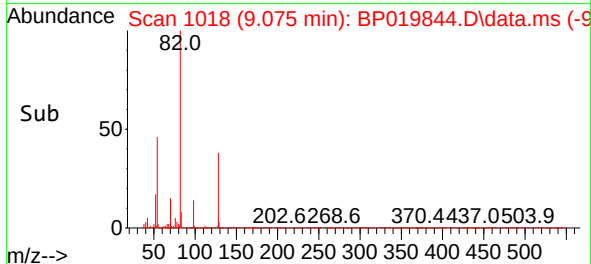
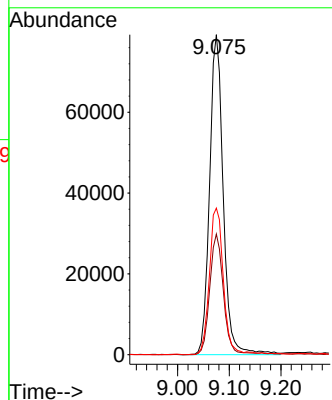
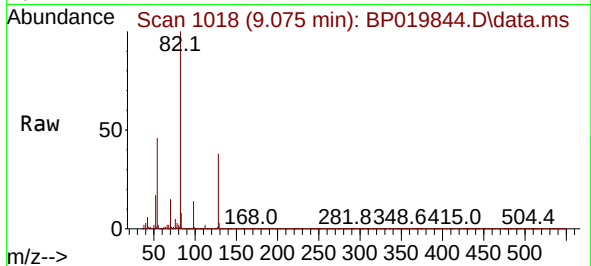




#23
Nitrobenzene-d5
Concen: 21.441 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

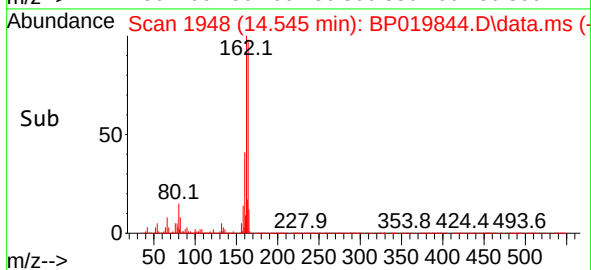
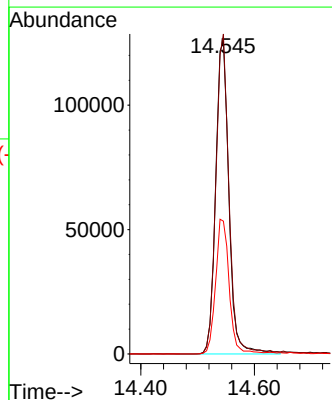
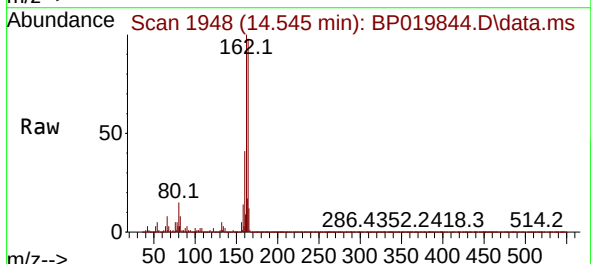
Instrument :
BNA_P
ClientSampleId :
CO-11-GRID-1

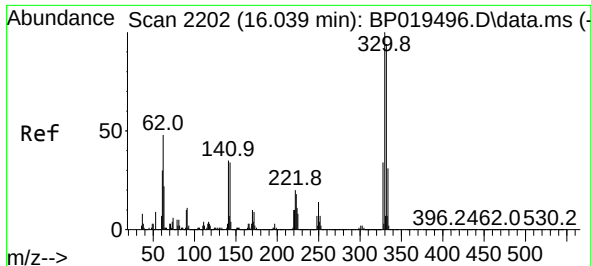
Tgt Ion: 82 Resp: 145340
Ion Ratio Lower Upper
82 100
128 37.7 29.7 44.5
54 45.8 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

Tgt Ion: 164 Resp: 203107
Ion Ratio Lower Upper
164 100
162 102.5 81.2 121.8
160 42.5 35.1 52.7

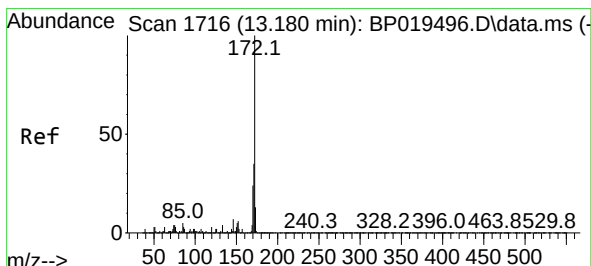
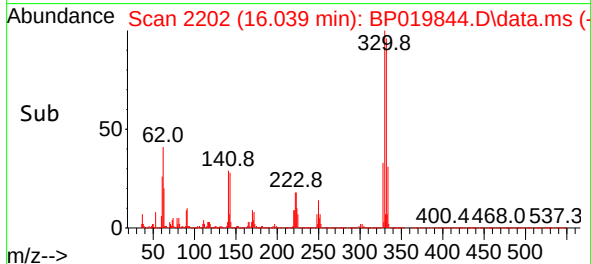
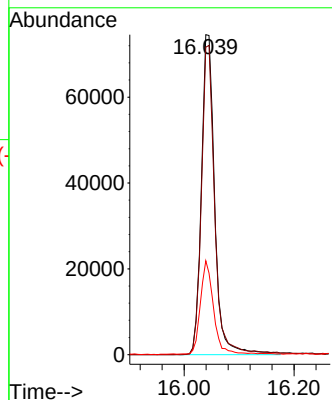
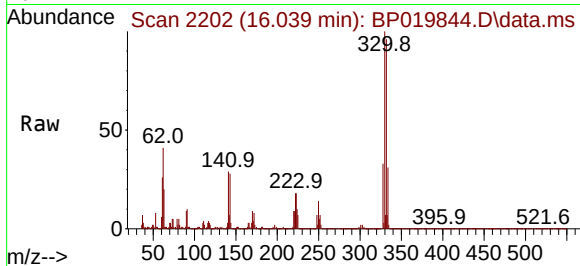




#42
2,4,6-Tribromophenol
Concen: 42.457 ng
RT: 16.039 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

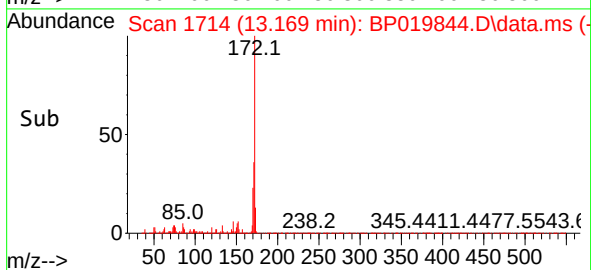
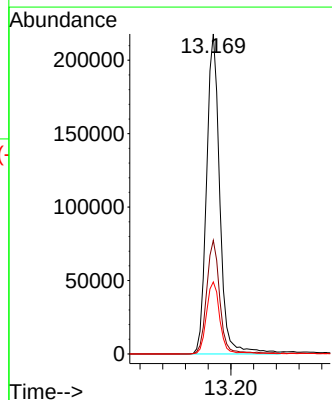
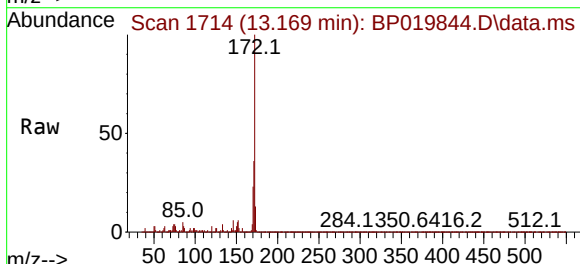
Instrument :
BNA_P
ClientSampleId :
CO-11-GRID-1

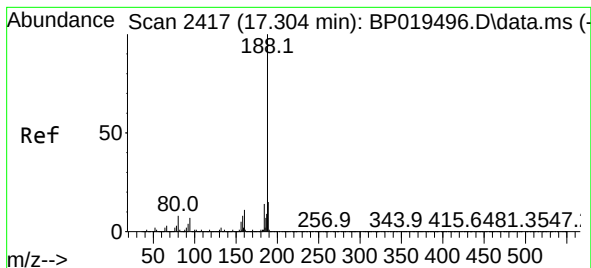
Tgt Ion:330 Resp: 125906
Ion Ratio Lower Upper
330 100
332 96.7 77.2 115.8
141 28.7 27.0 40.4



#45
2-Fluorobiphenyl
Concen: 21.378 ng
RT: 13.169 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

Tgt Ion:172 Resp: 351237
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.4
170 22.5 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.304 min Scan# 2417

Delta R.T. -0.006 min

Lab File: BP019844.D

Acq: 23 Feb 2024 15:33

Instrument :

BNA_P

ClientSampleId :

CO-11-GRID-1

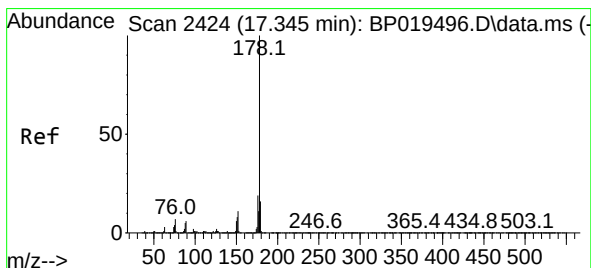
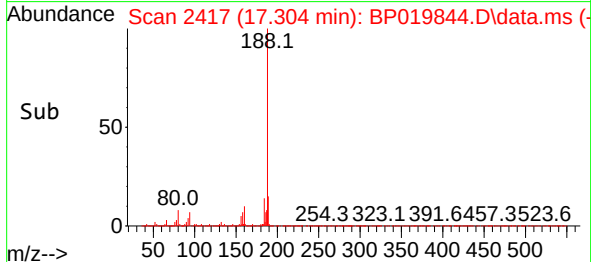
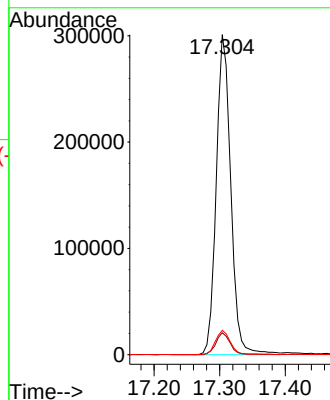
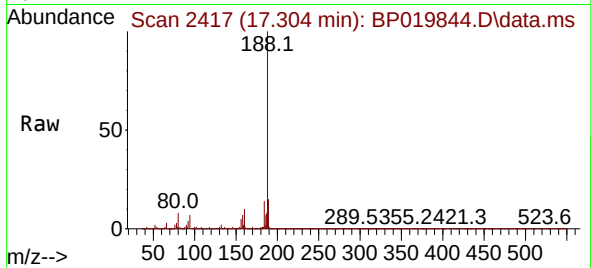
Tgt Ion:188 Resp: 461261

Ion Ratio Lower Upper

188 100

94 6.8 5.4 8.2

80 7.6 6.3 9.5



#71

Phenanthrene

Concen: 4.339 ng

RT: 17.345 min Scan# 2424

Delta R.T. -0.012 min

Lab File: BP019844.D

Acq: 23 Feb 2024 15:33

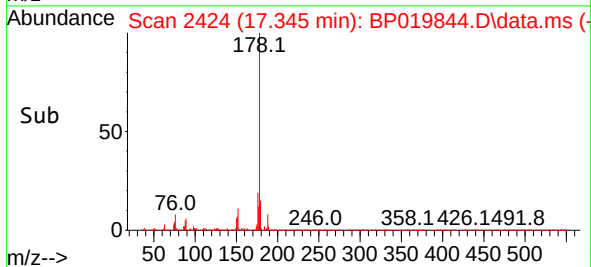
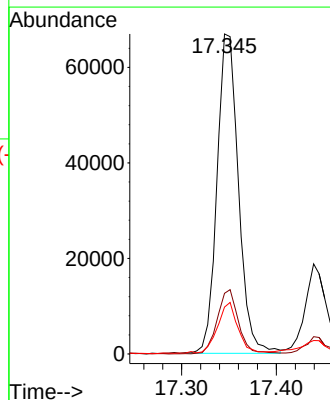
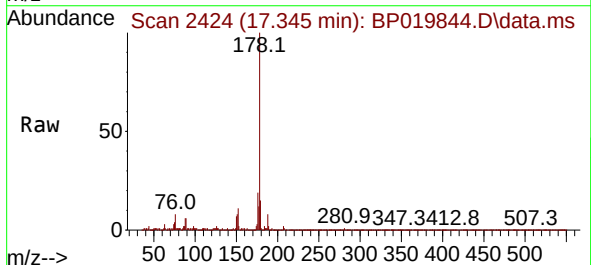
Tgt Ion:178 Resp: 105319

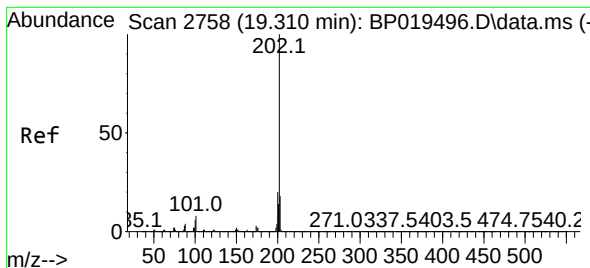
Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 14.6 12.6 19.0





#75

Fluoranthene

Concen: 9.314 ng

RT: 19.322 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP019844.D

Acq: 23 Feb 2024 15:33

Instrument :

BNA_P

ClientSampleId :

CO-11-GRID-1

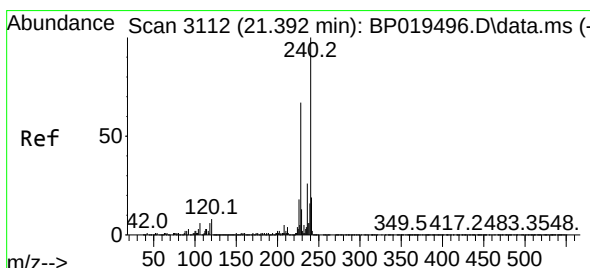
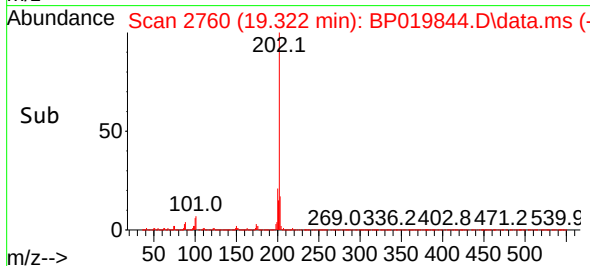
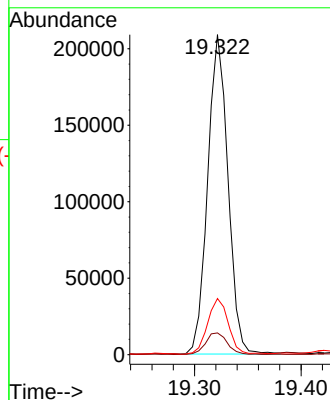
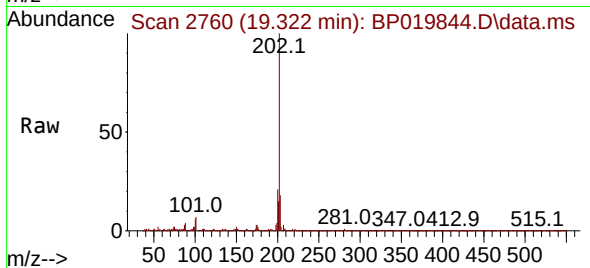
Tgt Ion:202 Resp: 276209

Ion Ratio Lower Upper

202 100

101 6.8 0.0 27.7

203 17.5 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: BP019844.D

Acq: 23 Feb 2024 15:33

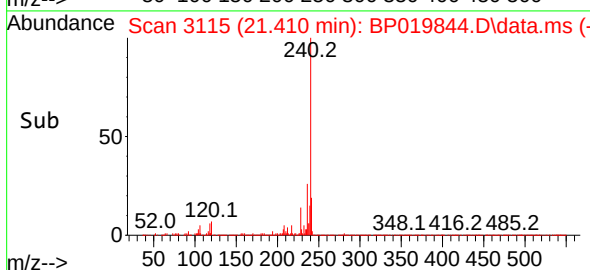
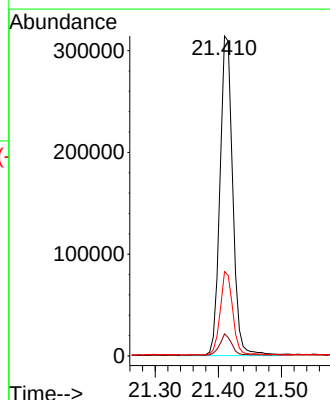
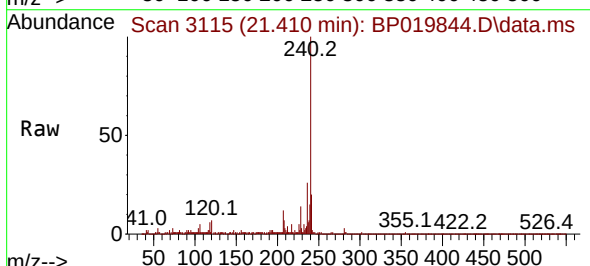
Tgt Ion:240 Resp: 443980

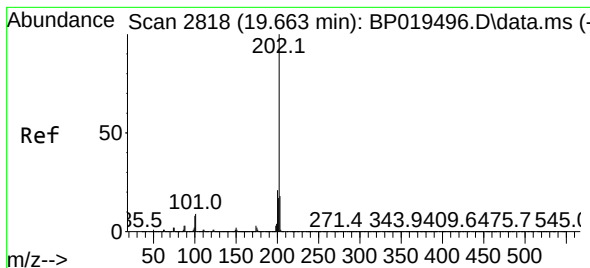
Ion Ratio Lower Upper

240 100

120 6.9 6.1 9.1

236 26.3 20.7 31.1





#78

Pyrene

Concen: 7.798 ng

RT: 19.674 min Scan# 2818

Delta R.T. -0.012 min

Lab File: BP019844.D

Acq: 23 Feb 2024 15:33

Instrument :

BNA_P

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CO-11-GRID-1

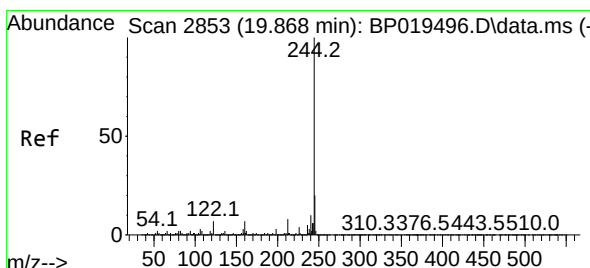
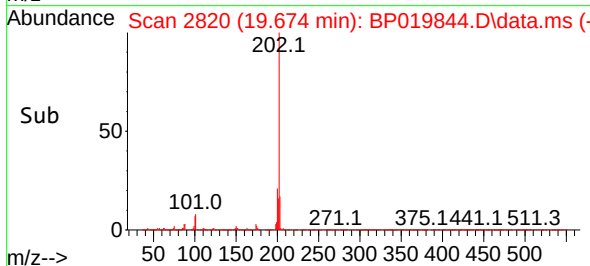
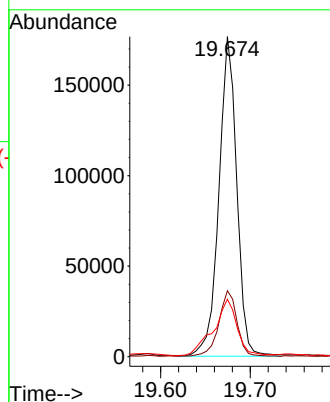
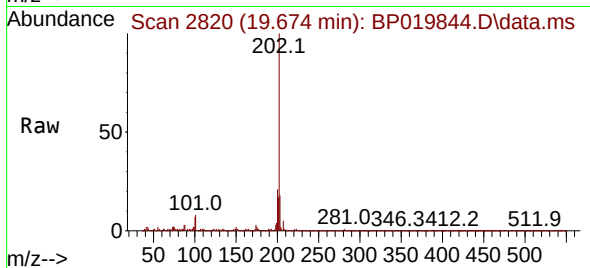
Tgt Ion:202 Resp: 244330

Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 18.0 14.2 21.2



#79

Terphenyl-d14

Concen: 25.163 ng

RT: 19.880 min Scan# 2855

Delta R.T. -0.012 min

Lab File: BP019844.D

Acq: 23 Feb 2024 15:33

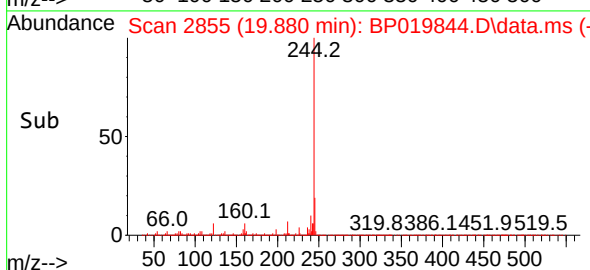
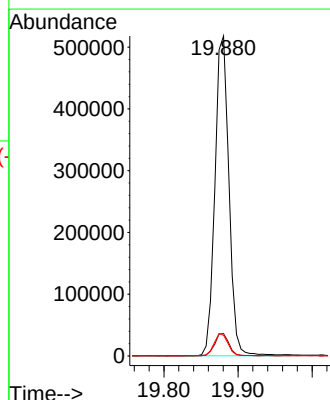
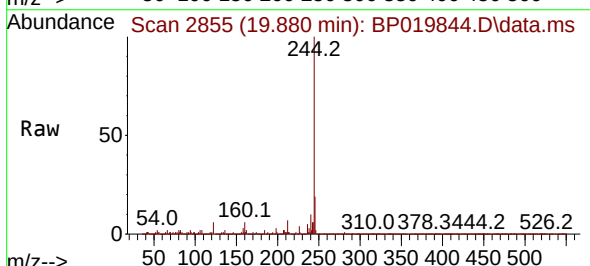
Tgt Ion:244 Resp: 679318

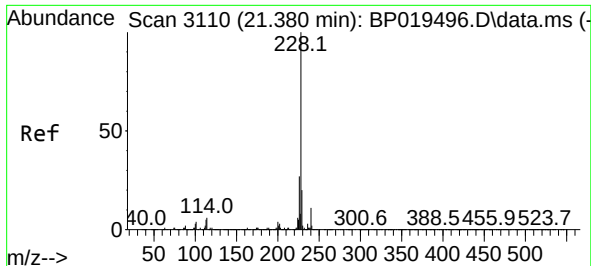
Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

122 6.4 5.9 8.9

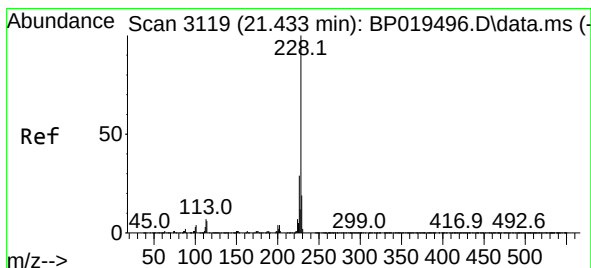
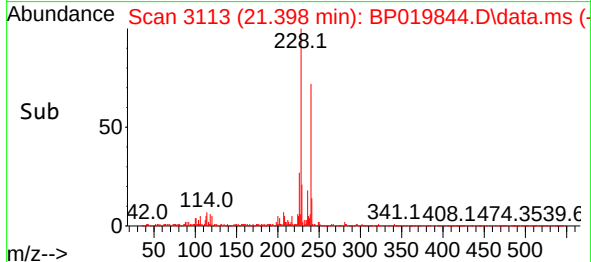
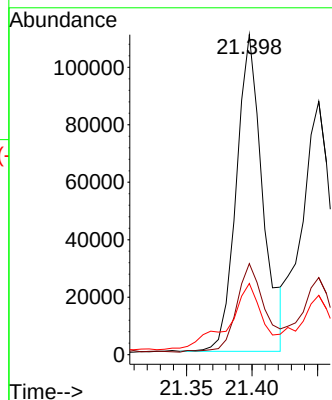
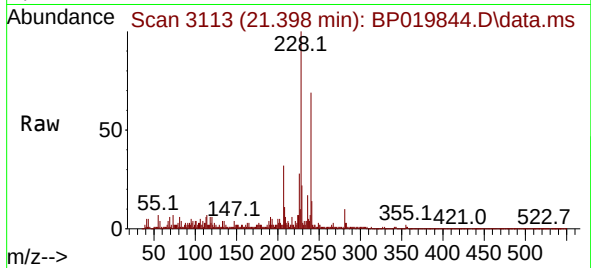




#81
Benzo(a)anthracene
Concen: 4.924 ng
RT: 21.398 min Scan# 3110
Delta R.T. -0.012 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

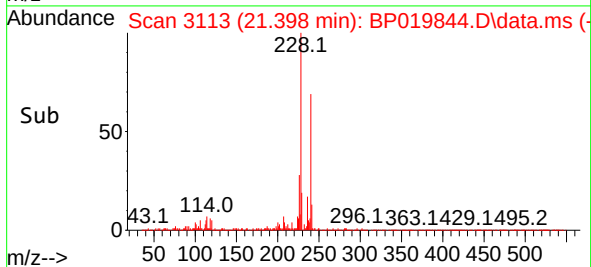
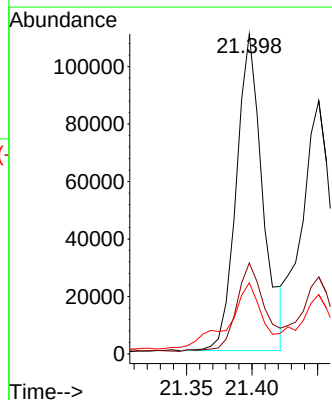
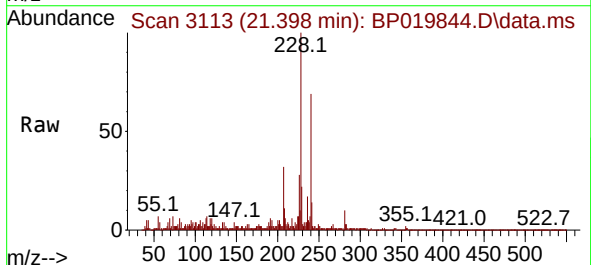
Instrument :
BNA_P
ClientSampleId :
CO-11-GRID-1

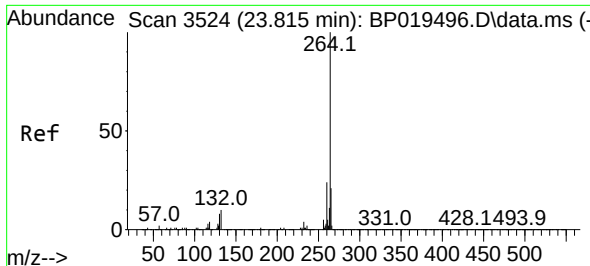
Tgt Ion:228 Resp: 153874
Ion Ratio Lower Upper
228 100
226 28.4 21.7 32.5
229 22.2 15.6 23.4



#83
Chrysene
Concen: 5.186 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.071 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

Tgt Ion:228 Resp: 153874
Ion Ratio Lower Upper
228 100
226 28.4 23.4 35.2
229 22.2 15.6 23.4

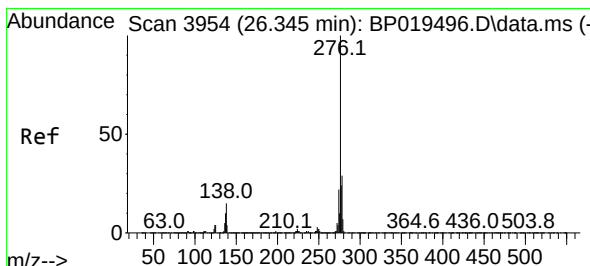
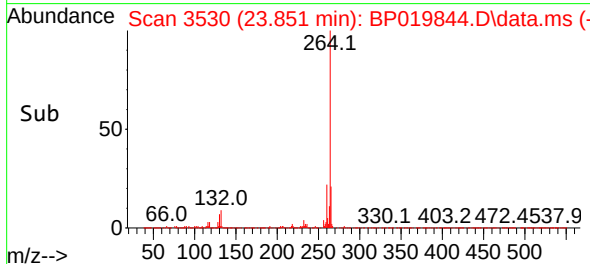
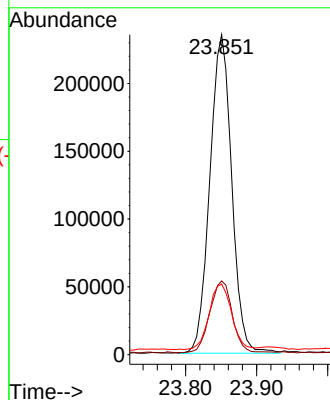
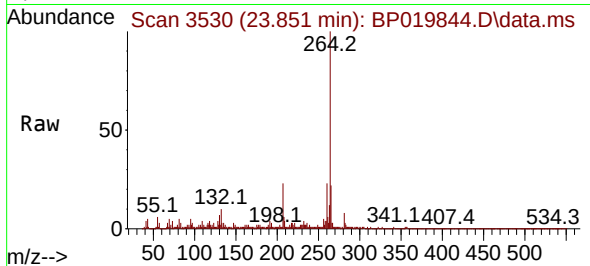




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.851 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

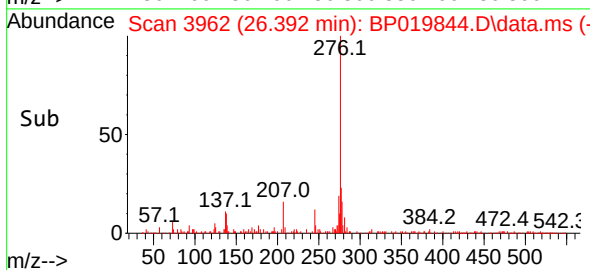
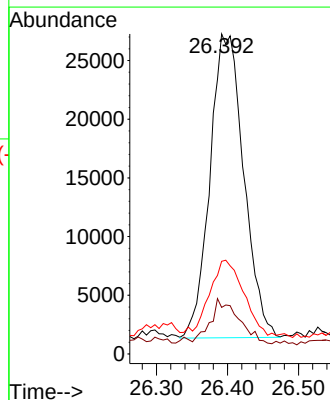
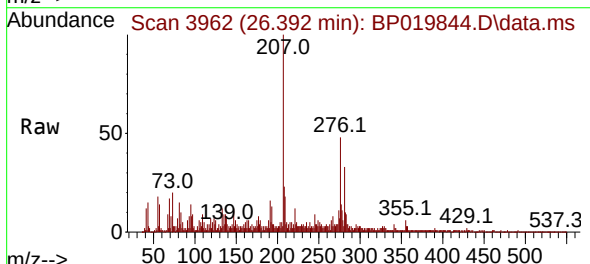
Instrument :
BNA_P
ClientSampleId :
CO-11-GRID-1

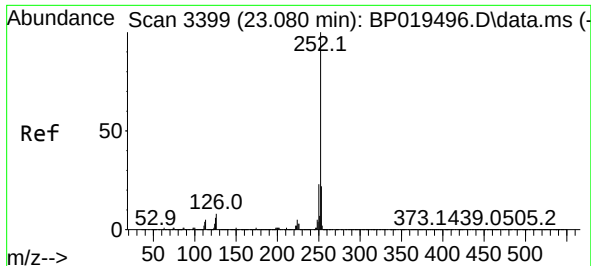
Tgt Ion:264 Resp: 503292
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 22.1 17.0 25.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.219 ng
RT: 26.392 min Scan# 3962
Delta R.T. -0.041 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

Tgt Ion:276 Resp: 85485
Ion Ratio Lower Upper
276 100
138 12.4 13.1 19.7#
277 26.8 20.3 30.5

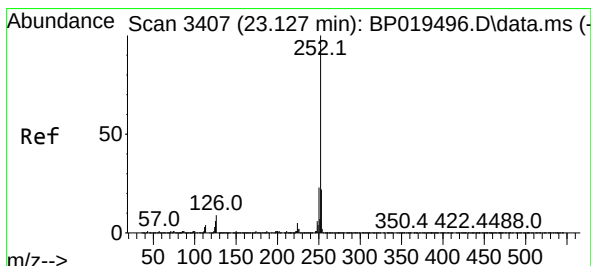
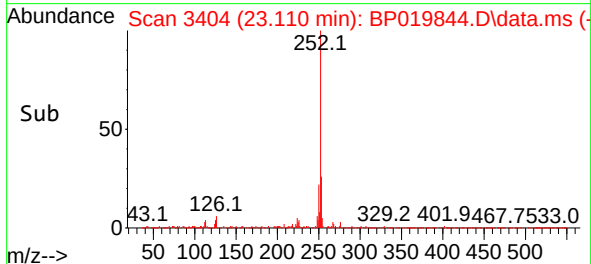
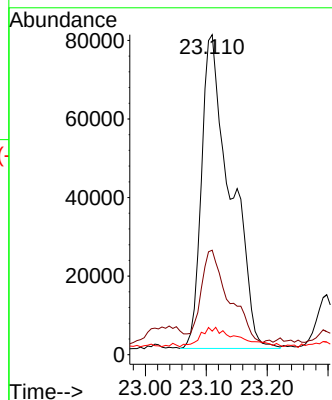
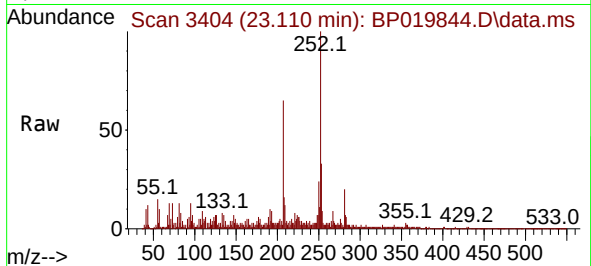




#88
Benzo(b)fluoranthene
Concen: 8.340 ng
RT: 23.110 min Scan# 3404
Delta R.T. -0.018 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

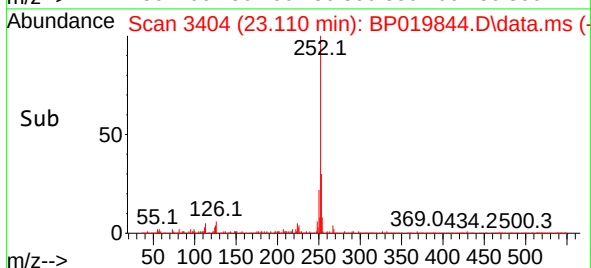
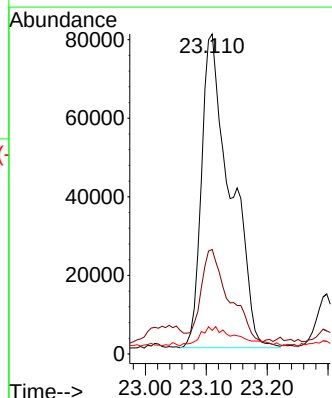
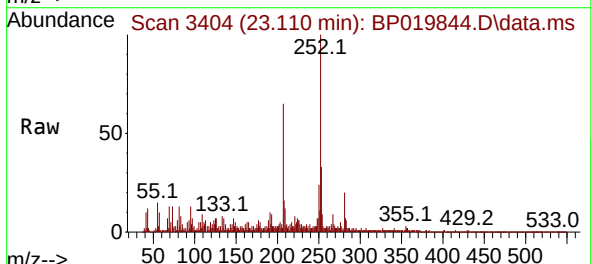
Instrument :
BNA_P
ClientSampleId :
CO-11-GRID-1

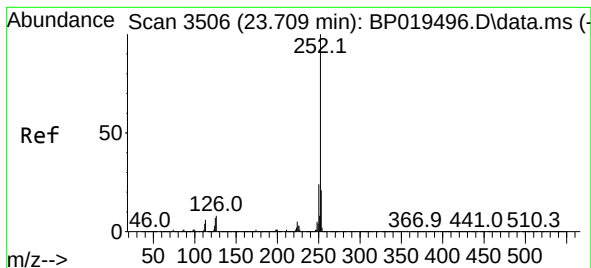
Tgt Ion:252 Resp: 264547
Ion Ratio Lower Upper
252 100
253 32.7 17.3 25.9#
125 7.4 4.9 7.3#



#89
Benzo(k)fluoranthene
Concen: 8.731 ng
RT: 23.110 min Scan# 3404
Delta R.T. -0.065 min
Lab File: BP019844.D
Acq: 23 Feb 2024 15:33

Tgt Ion:252 Resp: 264547
Ion Ratio Lower Upper
252 100
253 32.7 17.1 25.7#
125 7.4 5.0 7.6





#90

Benzo(a)pyrene

Concen: 4.790 ng

RT: 23.745 min Scan# 3

Delta R.T. -0.018 min

Lab File: BP019844.D

Acq: 23 Feb 2024 15:33

Instrument :

BNA_P

ClientSampleId :

CO-11-GRID-1

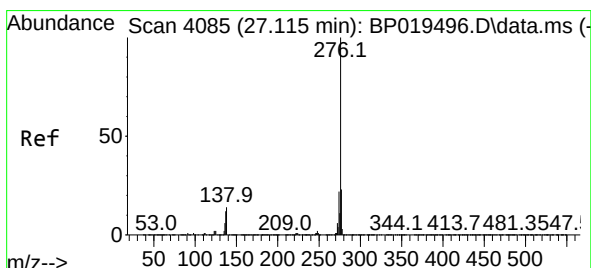
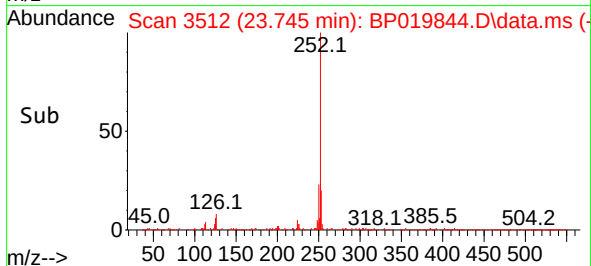
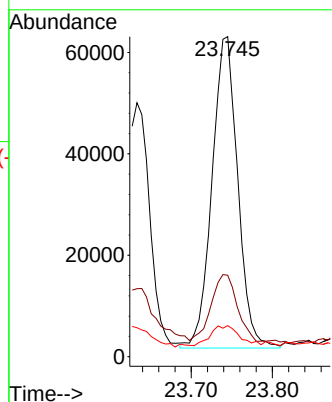
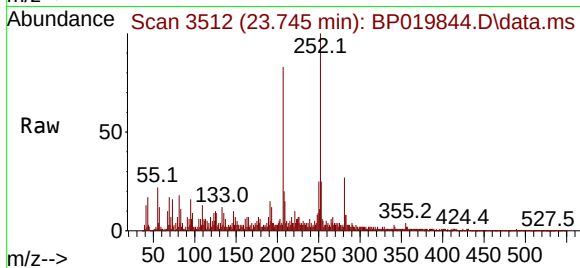
Tgt Ion:252 Resp: 135188

Ion Ratio Lower Upper

252 100

253 25.4 17.1 25.7

125 9.7 5.6 8.4#



#92

Benzo(g,h,i)perylene

Concen: 2.741 ng

RT: 27.186 min Scan# 4097

Delta R.T. -0.030 min

Lab File: BP019844.D

Acq: 23 Feb 2024 15:33

Tgt Ion:276 Resp: 88116

Ion Ratio Lower Upper

276 100

277 27.0 18.6 28.0

138 12.9 10.9 16.3

