

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020824\
 Data File : BP019611.D
 Acq On : 08 Feb 2024 15:47
 Operator : MA/JU
 Sample : P1364-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-3

Quant Time: Feb 08 16:10:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

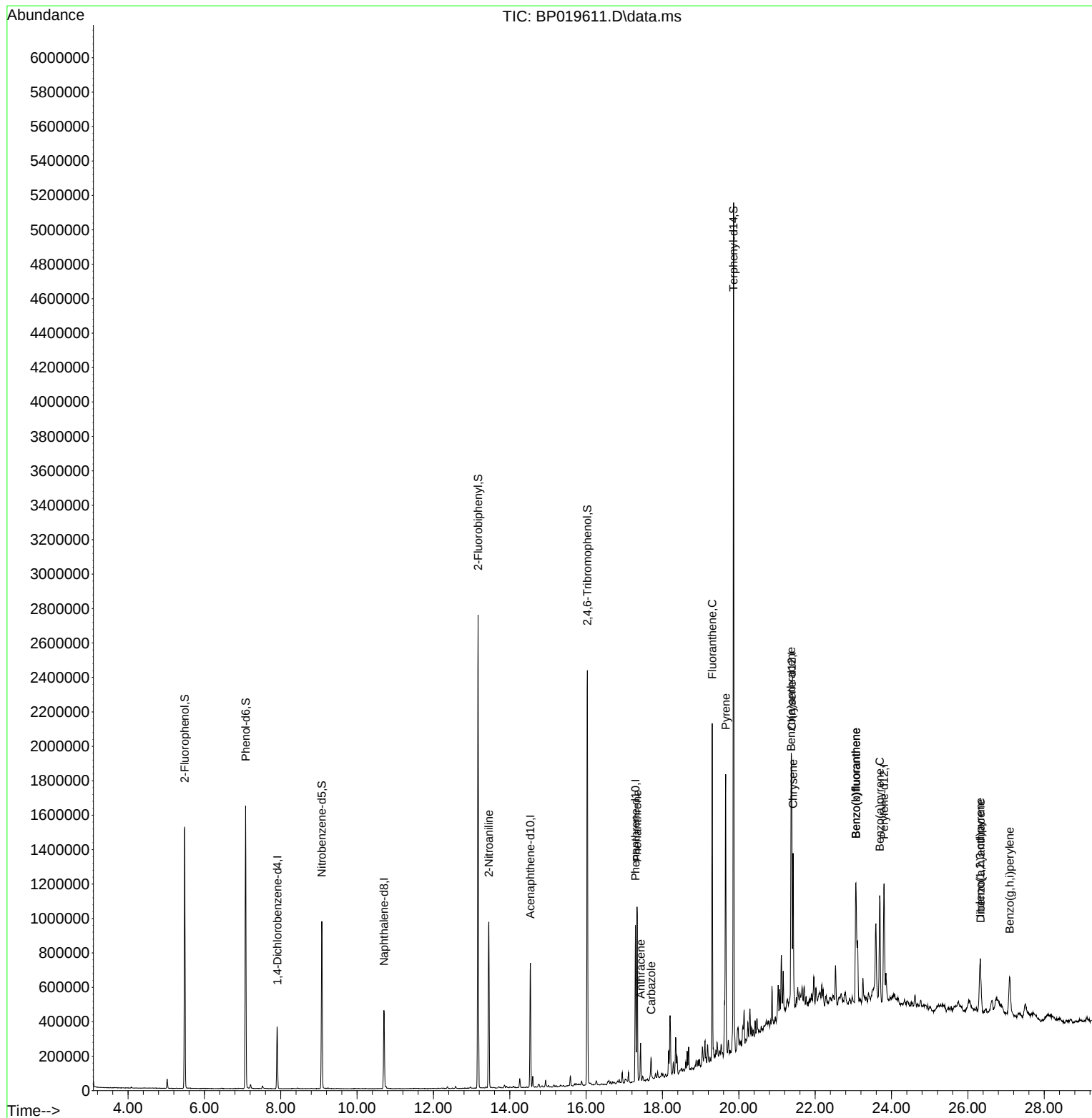
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	97809	20.000	ng	0.00
21) Naphthalene-d8	10.704	136	374403	20.000	ng	-0.01
39) Acenaphthene-d10	14.540	164	250991	20.000	ng	-0.01
64) Phenanthrene-d10	17.292	188	557482	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	501903	20.000	ng	0.00
86) Perylene-d12	23.804	264	579916	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	638780	105.273	ng	0.00
7) Phenol-d6	7.081	99	902576	110.317	ng	0.00
23) Nitrobenzene-d5	9.075	82	583850	67.572	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	487480	133.022	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	1416185	69.753	ng	-0.01
79) Terphenyl-d14	19.863	244	2338113	76.611	ng	0.00
Target Compounds						Qvalue
48) 2-Nitroaniline	13.451	65	20560	4.471	ng	# 15
71) Phenanthrene	17.334	178	624414	21.283	ng	99
72) Anthracene	17.428	178	138607	4.736	ng	99
73) Carbazole	17.704	167	68056	2.560	ng	99
75) Fluoranthene	19.304	202	1165995	32.533	ng	100
78) Pyrene	19.657	202	1040404	29.372	ng	99
81) Benzo(a)anthracene	21.369	228	586738	16.607	ng	98
83) Chrysene	21.422	228	529276	15.779	ng	97
87) Indeno(1,2,3-cd)pyrene	26.321	276	353962	7.974	ng	96
88) Benzo(b)fluoranthene	23.068	252	705731	19.309	ng	# 97
89) Benzo(k)fluoranthene	23.068	252	705731	20.214	ng	97
90) Benzo(a)pyrene	23.692	252	510604	15.701	ng	97
91) Dibenzo(a,h)anthracene	26.333	278	92665	2.538	ng	# 84
92) Benzo(g,h,i)perylene	27.098	276	335165	9.049	ng	99

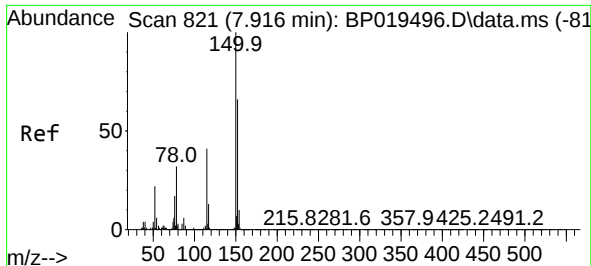
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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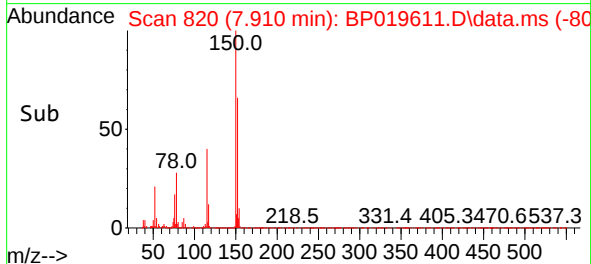
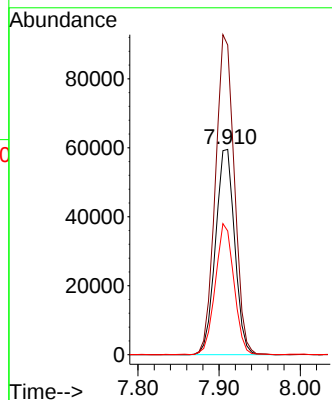
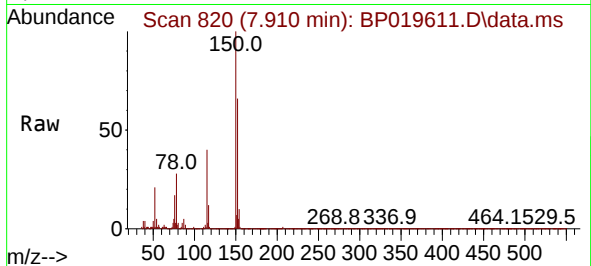




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

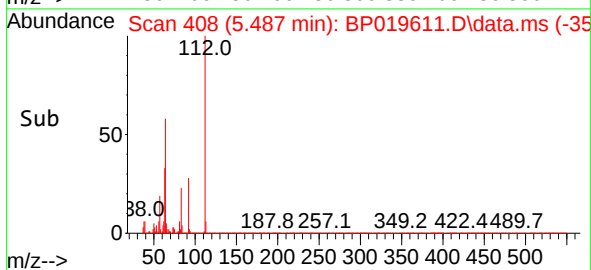
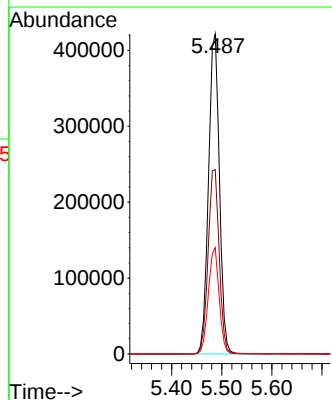
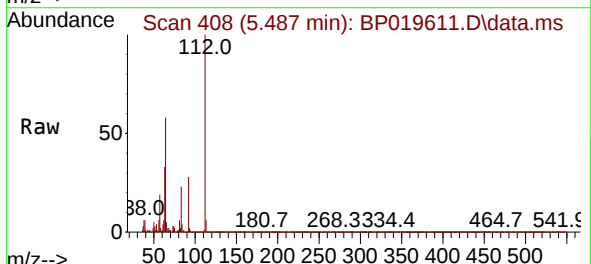
Instrument :
BNA_P
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COMP-3

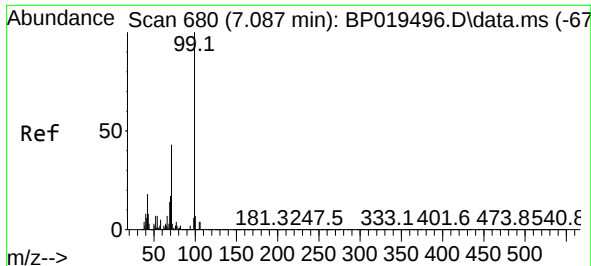
Tgt Ion:152 Resp: 97809
Ion Ratio Lower Upper
152 100
150 150.8 121.8 182.8
115 60.2 49.9 74.9



#5
2-Fluorophenol
Concen: 105.273 ng
RT: 5.487 min Scan# 408
Delta R.T. 0.000 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

Tgt Ion:112 Resp: 638780
Ion Ratio Lower Upper
112 100
64 57.6 47.4 71.0
63 33.2 27.0 40.6

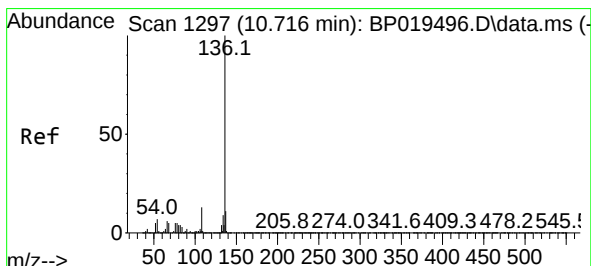
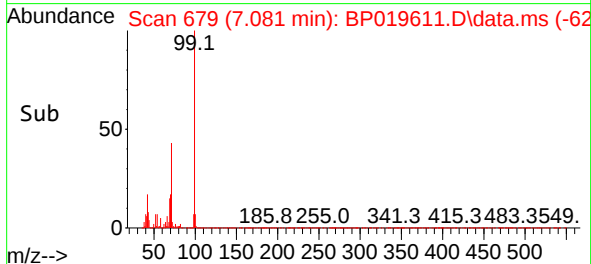
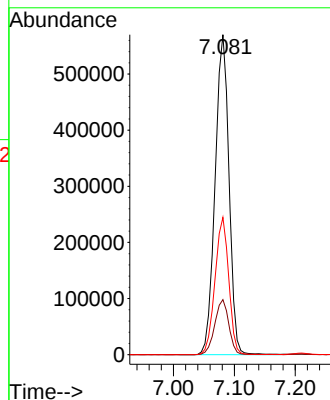
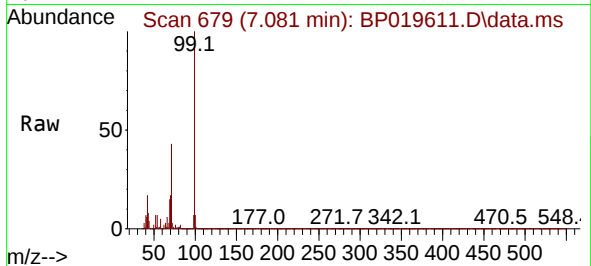




#7
Phenol-d6
Concen: 110.317 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

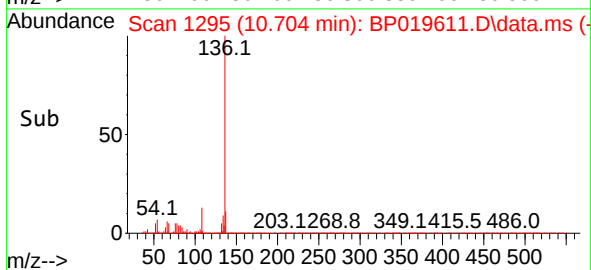
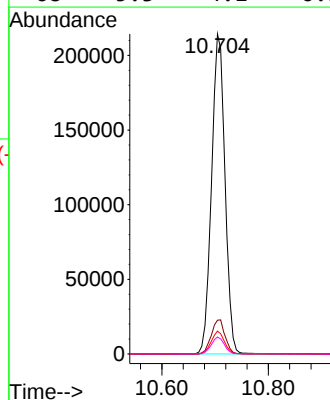
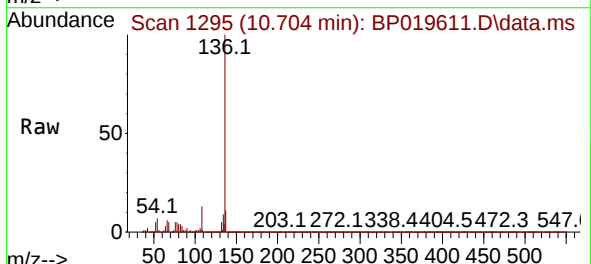
Instrument :
BNA_P
ClientSampleId :
COMP-3

Tgt Ion: 99 Resp: 902576
Ion Ratio Lower Upper
99 100
42 17.2 14.7 22.1
71 42.9 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.011 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

Tgt Ion: 136 Resp: 374403
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.2 5.3 7.9
68 5.3 4.1 6.1

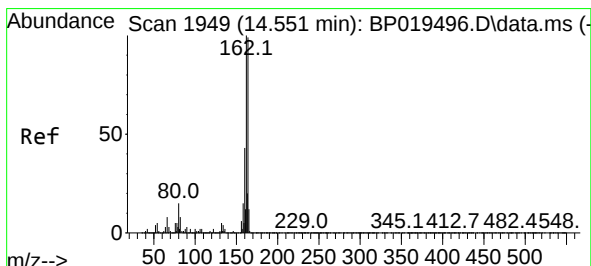
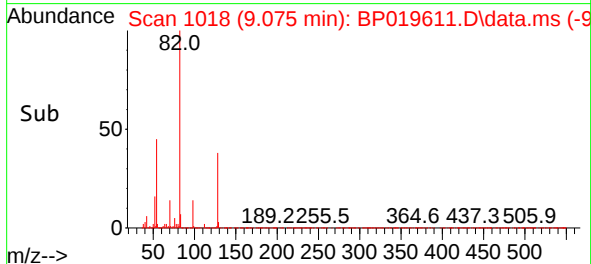
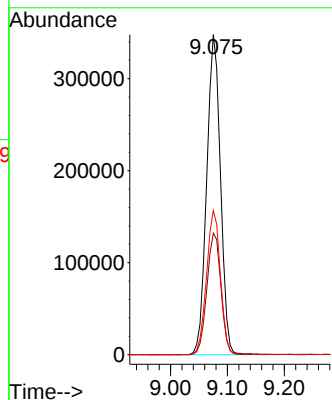
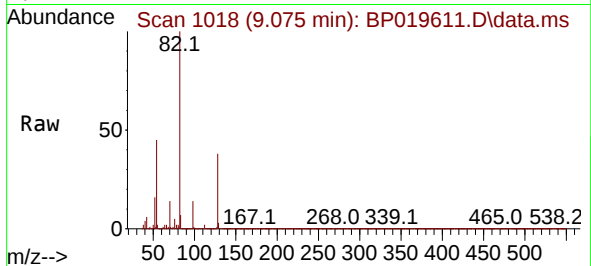




#23
Nitrobenzene-d5
Concen: 67.572 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.011 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

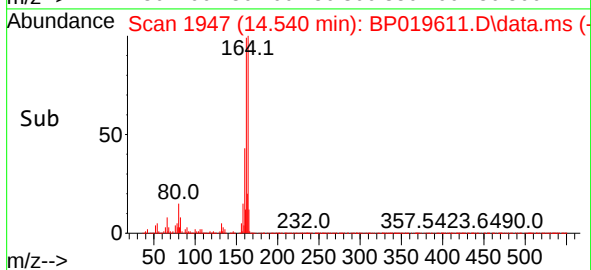
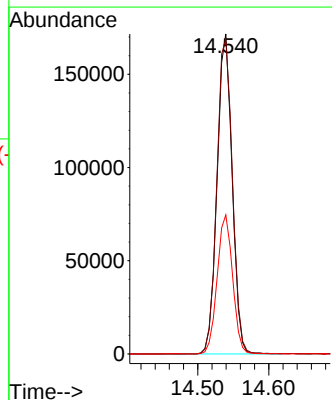
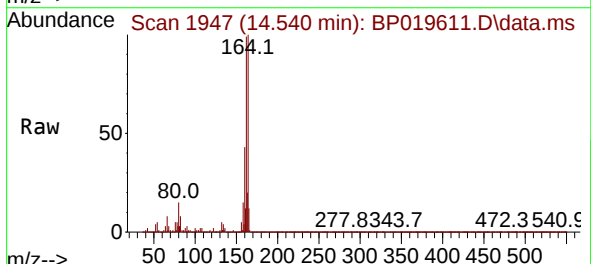
Instrument :
BNA_P
ClientSampleId :
COMP-3

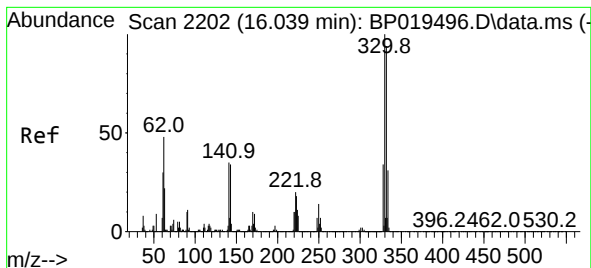
Tgt Ion: 82 Resp: 583850
Ion Ratio Lower Upper
82 100
128 37.9 29.7 44.5
54 45.0 36.8 55.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.540 min Scan# 1947
Delta R.T. -0.011 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

Tgt Ion: 164 Resp: 250991
Ion Ratio Lower Upper
164 100
162 98.5 81.2 121.8
160 43.5 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 133.022 ng

RT: 16.034 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

Instrument :

BNA_P

ClientSampleId :

COMP-3

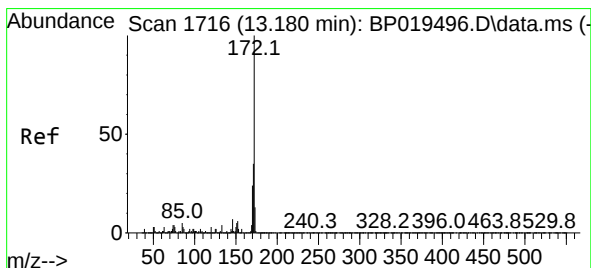
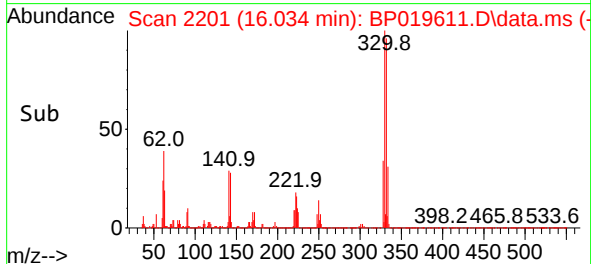
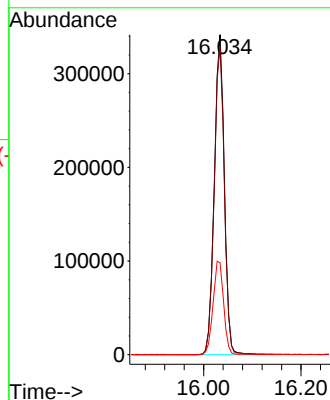
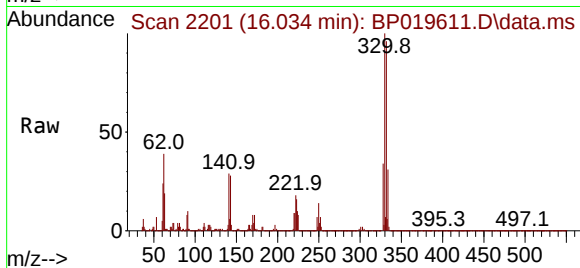
Tgt Ion:330 Resp: 487480

Ion Ratio Lower Upper

330 100

332 97.0 77.2 115.8

141 30.7 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 69.753 ng

RT: 13.169 min Scan# 1714

Delta R.T. -0.011 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

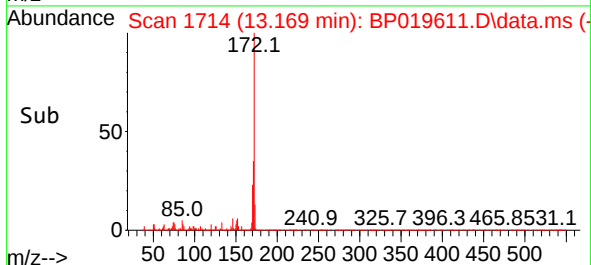
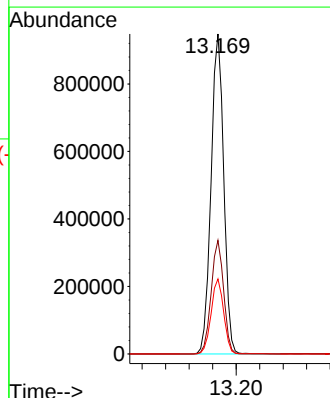
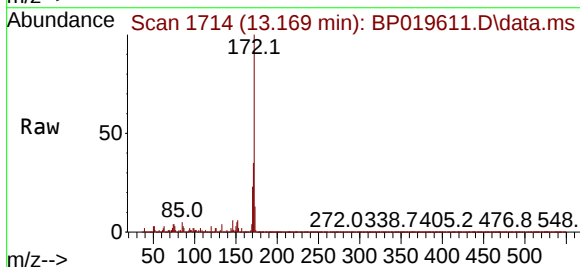
Tgt Ion:172 Resp: 1416185

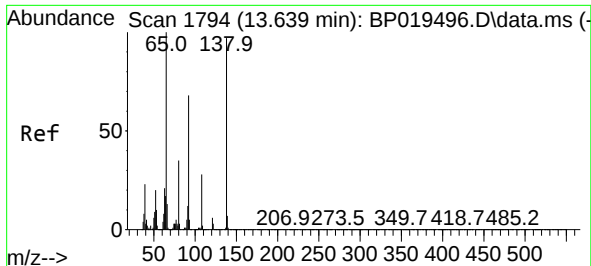
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.5 18.9 28.3

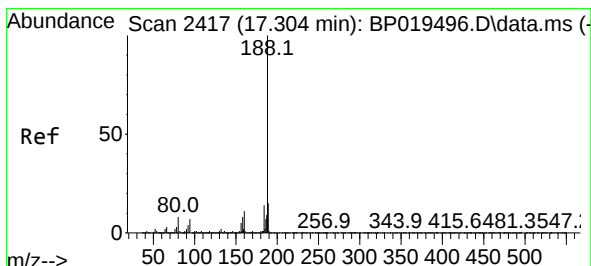
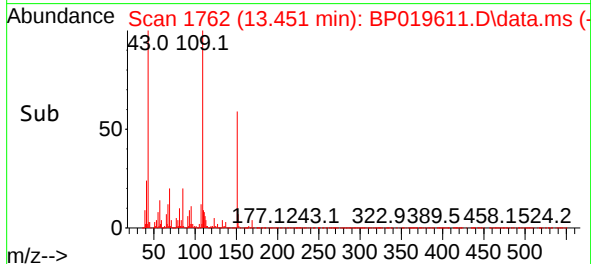
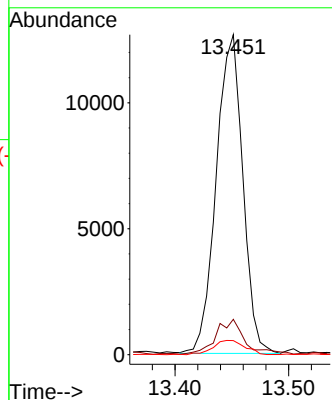
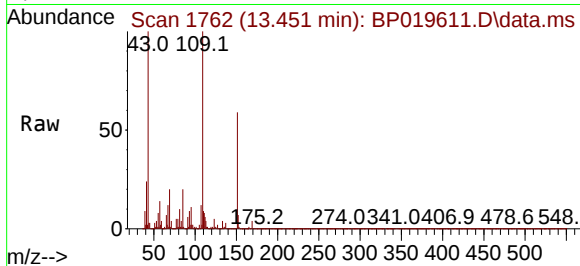




#48
2-Nitroaniline
Concen: 4.471 ng
RT: 13.451 min Scan# 11
Delta R.T. -0.188 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

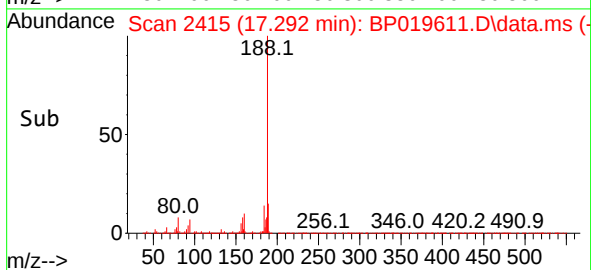
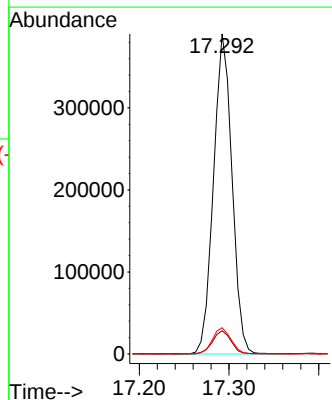
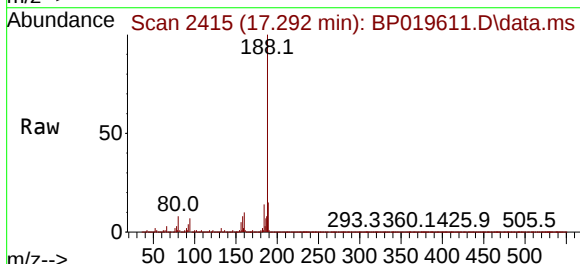
Instrument :
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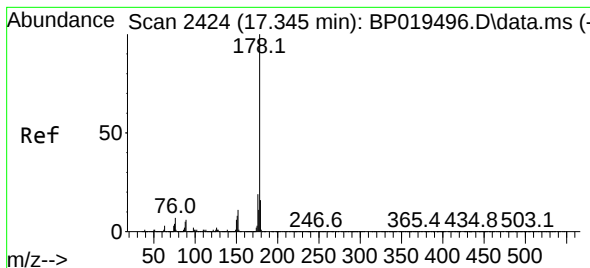
Tgt Ion: 65 Resp: 20560
Ion Ratio Lower Upper
65 100
92 11.0 54.7 82.1#
138 4.4 77.8 116.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.292 min Scan# 2415
Delta R.T. -0.012 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

Tgt Ion: 188 Resp: 557482
Ion Ratio Lower Upper
188 100
94 7.3 5.4 8.2
80 8.2 6.3 9.5





#71

Phenanthrene

Concen: 21.283 ng

RT: 17.334 min Scan# 2422

Delta R.T. -0.011 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

Instrument :

BNA_P

ClientSampleId :

COMP-3

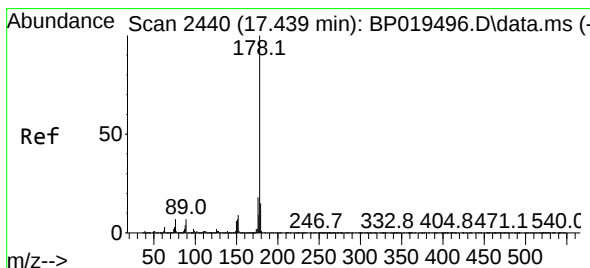
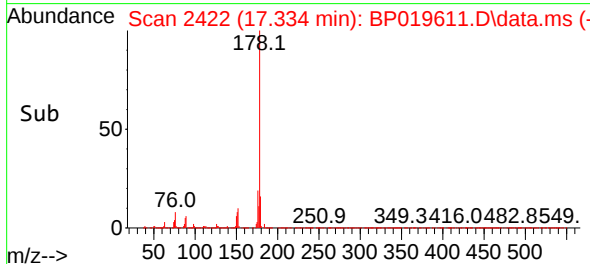
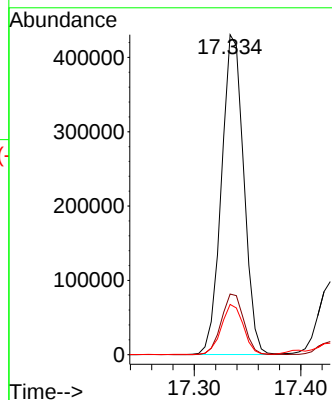
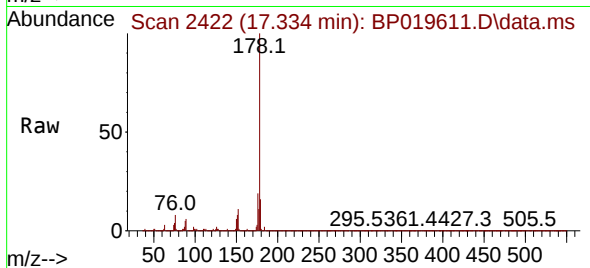
Tgt Ion:178 Resp: 624414

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 15.7 12.6 19.0



#72

Anthracene

Concen: 4.736 ng

RT: 17.428 min Scan# 2438

Delta R.T. -0.011 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

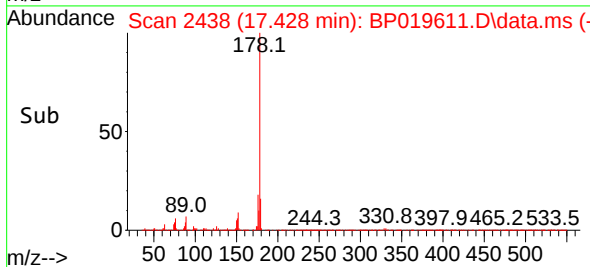
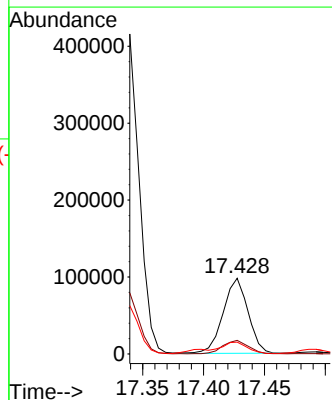
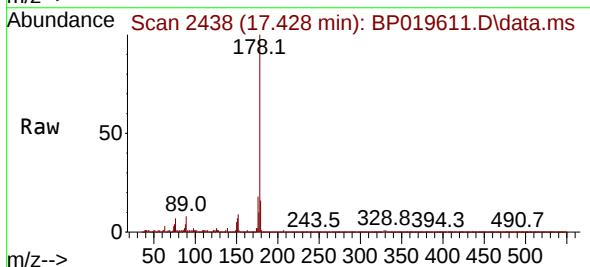
Tgt Ion:178 Resp: 138607

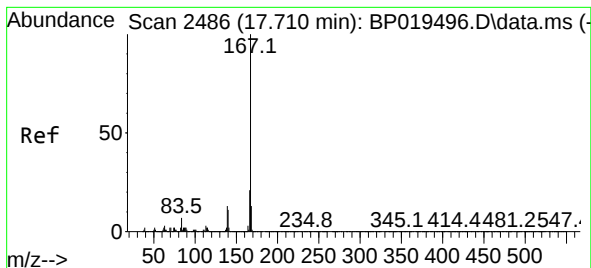
Ion Ratio Lower Upper

178 100

176 17.9 14.7 22.1

179 15.7 12.2 18.2





#73

Carbazole

Concen: 2.560 ng

RT: 17.704 min Scan# 2486

Delta R.T. -0.006 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

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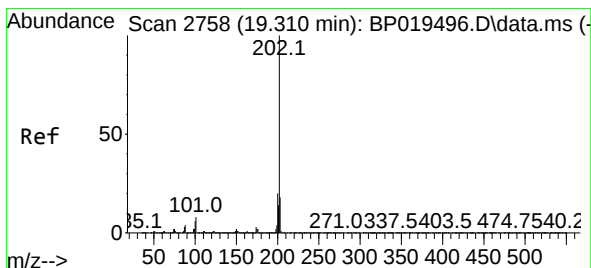
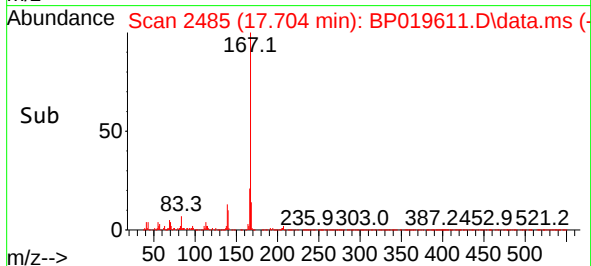
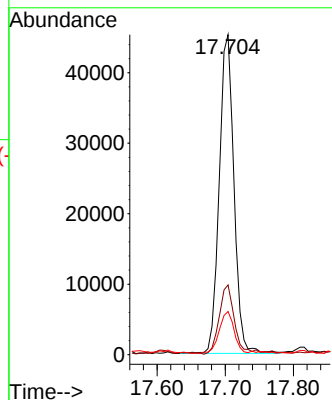
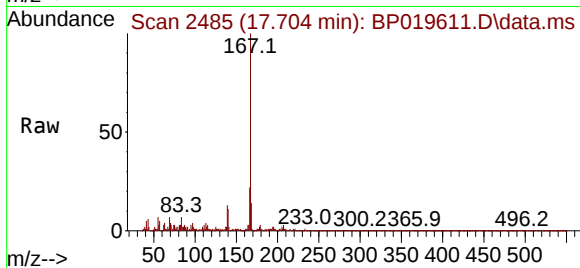
Tgt Ion:167 Resp: 68056

Ion Ratio Lower Upper

167 100

166 21.8 17.2 25.8

139 13.5 10.6 15.8



#75

Fluoranthene

Concen: 32.533 ng

RT: 19.304 min Scan# 2757

Delta R.T. -0.006 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

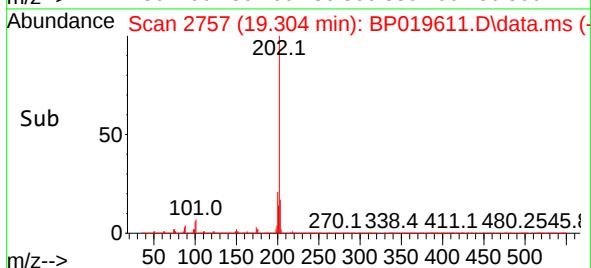
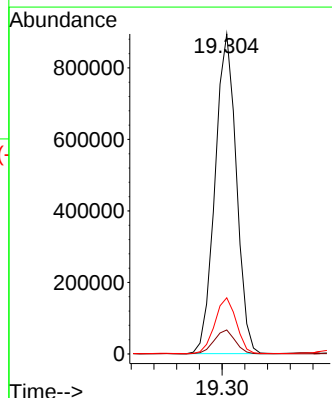
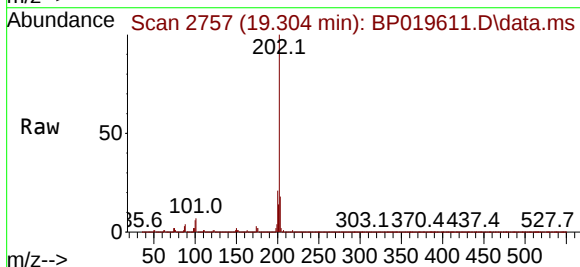
Tgt Ion:202 Resp: 1165995

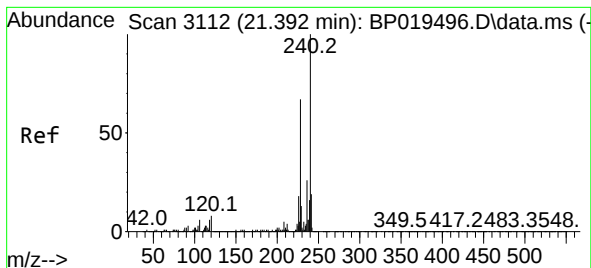
Ion Ratio Lower Upper

202 100

101 7.5 0.0 27.7

203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.386 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

Instrument :

BNA_P

ClientSampleId :

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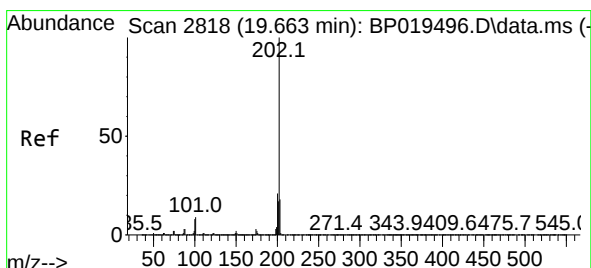
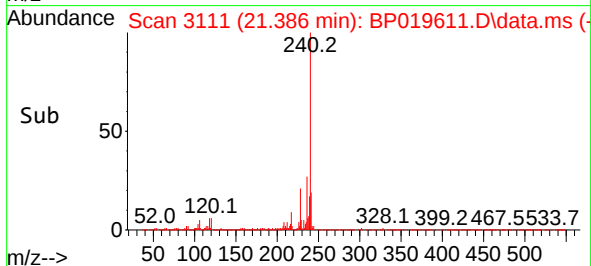
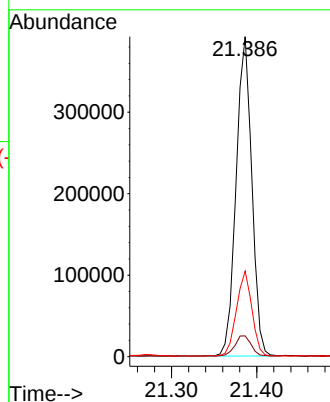
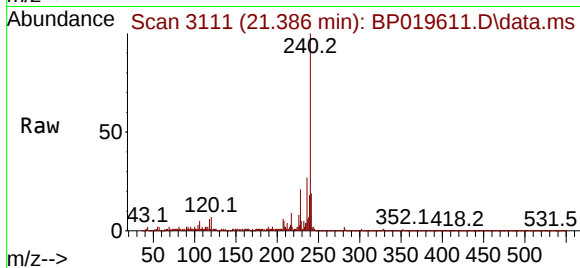
Tgt Ion:240 Resp: 501903

Ion Ratio Lower Upper

240 100

120 6.5 6.1 9.1

236 26.8 20.7 31.1



#78

Pyrene

Concen: 29.372 ng

RT: 19.657 min Scan# 2817

Delta R.T. -0.006 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

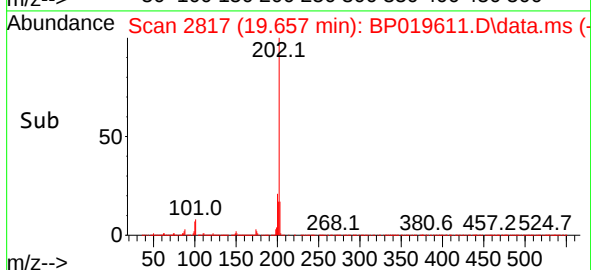
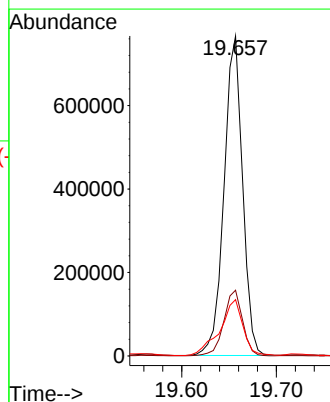
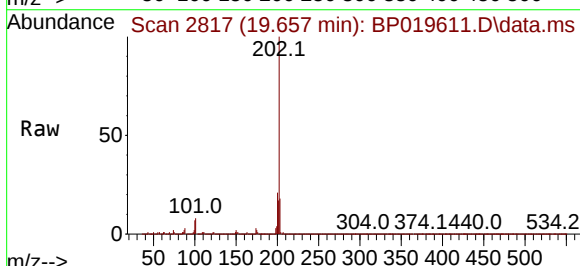
Tgt Ion:202 Resp: 1040404

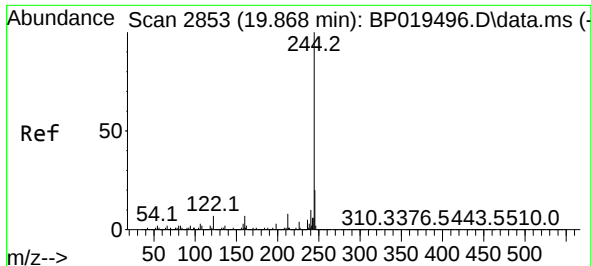
Ion Ratio Lower Upper

202 100

200 20.5 16.9 25.3

203 17.6 14.2 21.2

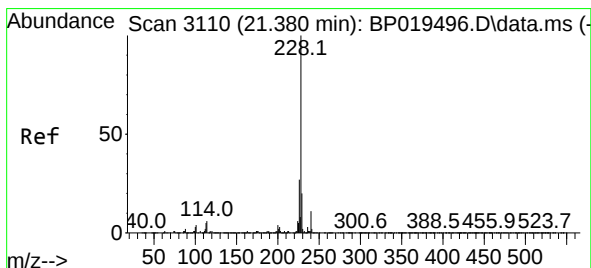
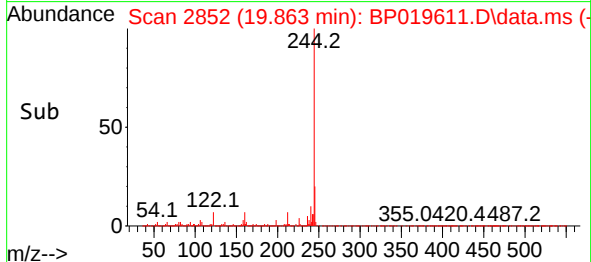
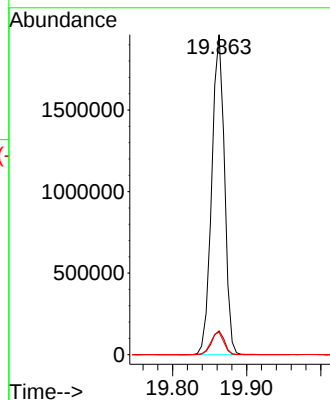
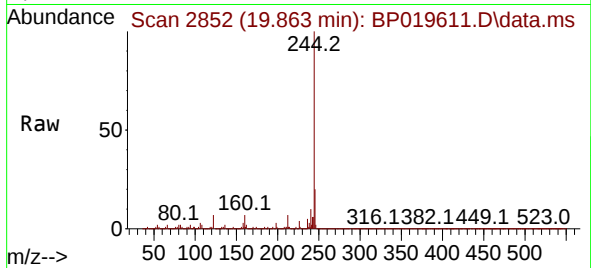




#79
 Terphenyl-d14
 Concen: 76.611 ng
 RT: 19.863 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP019611.D
 Acq: 08 Feb 2024 15:47

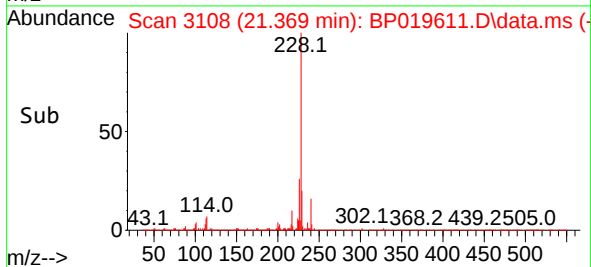
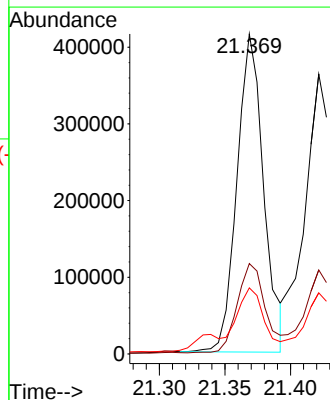
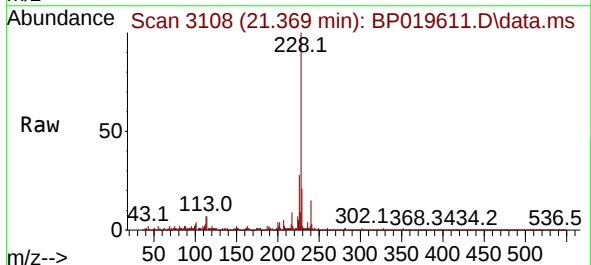
Instrument :
 BNA_P
 ClientSampleId :
 COMP-3

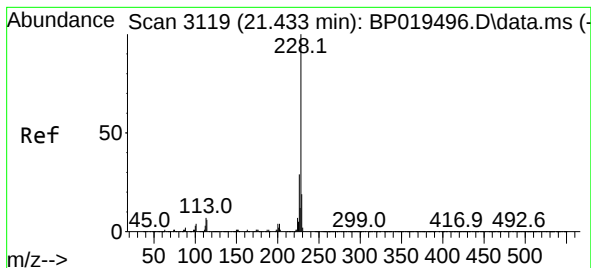
Tgt Ion:244 Resp: 2338113
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.1 9.1
 122 7.0 5.9 8.9



#81
 Benzo(a)anthracene
 Concen: 16.607 ng
 RT: 21.369 min Scan# 3108
 Delta R.T. -0.011 min
 Lab File: BP019611.D
 Acq: 08 Feb 2024 15:47

Tgt Ion:228 Resp: 586738
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.7 32.5
 229 20.6 15.6 23.4





#83

Chrysene

Concen: 15.779 ng

RT: 21.422 min Scan# 3119

Delta R.T. -0.011 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

Instrument :

BNA_P

ClientSampleId :

COMP-3

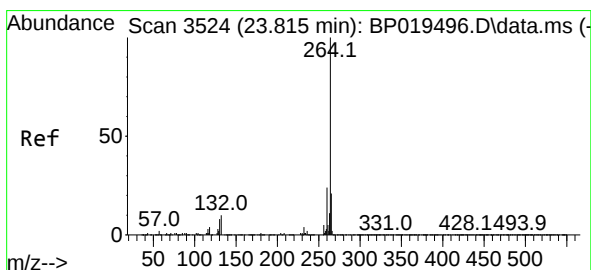
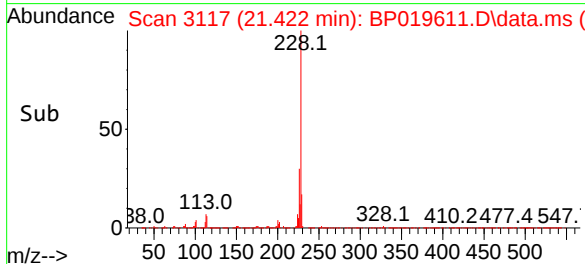
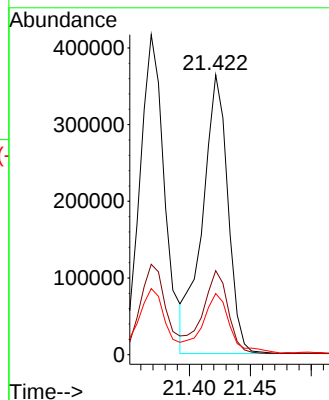
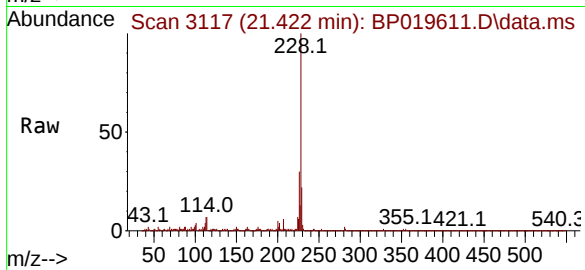
Tgt Ion:228 Resp: 529276

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

229 21.9 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.804 min Scan# 3522

Delta R.T. -0.011 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

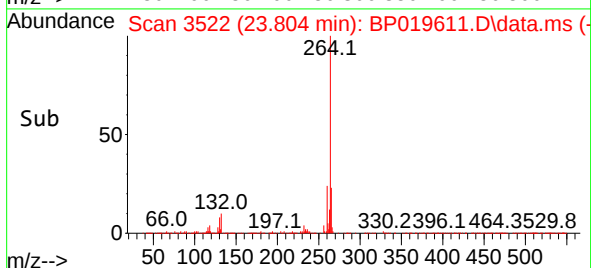
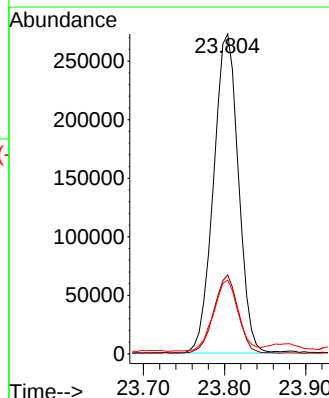
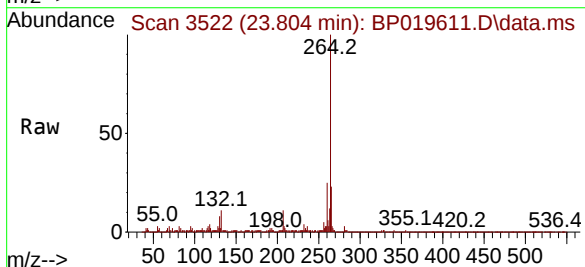
Tgt Ion:264 Resp: 579916

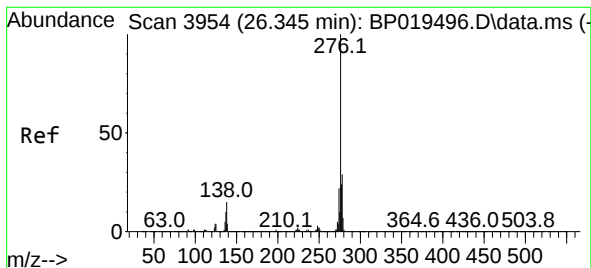
Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 23.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.974 ng

RT: 26.321 min Scan# 3950

Delta R.T. -0.023 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

Instrument :

BNA_P

ClientSampleId :

COMP-3

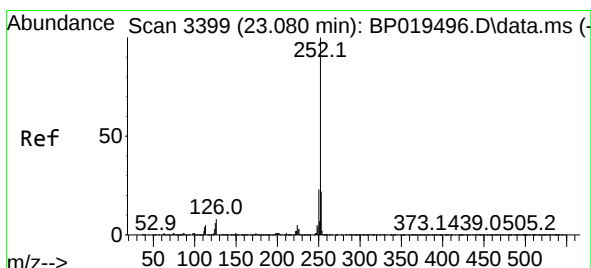
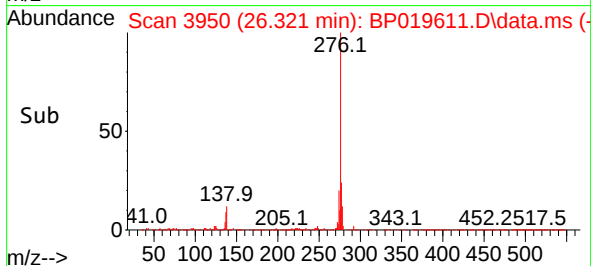
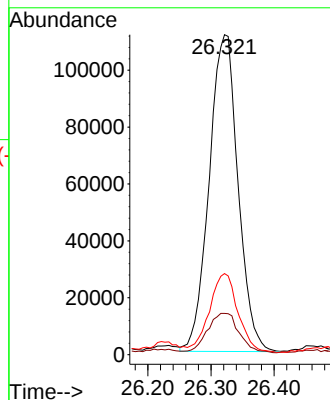
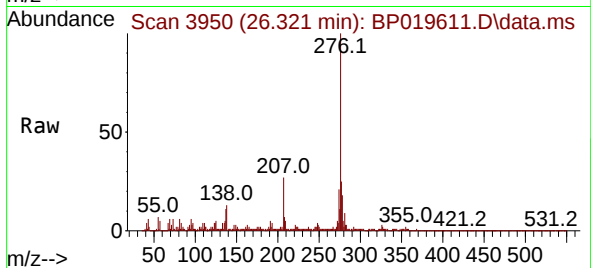
Tgt Ion:276 Resp: 353962

Ion Ratio Lower Upper

276 100

138 13.6 13.1 19.7

277 24.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 19.309 ng

RT: 23.068 min Scan# 3397

Delta R.T. -0.011 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

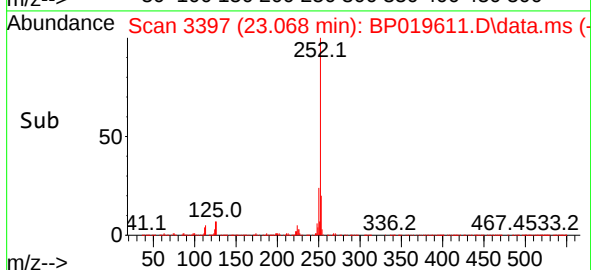
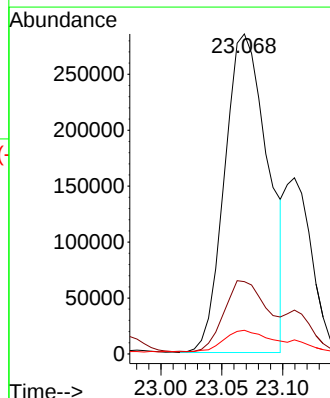
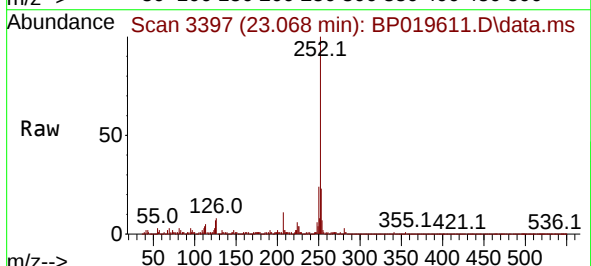
Tgt Ion:252 Resp: 705731

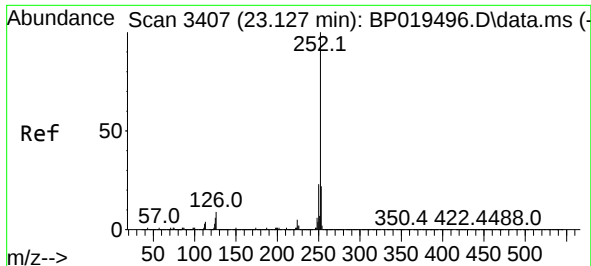
Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

125 7.4 4.9 7.3#

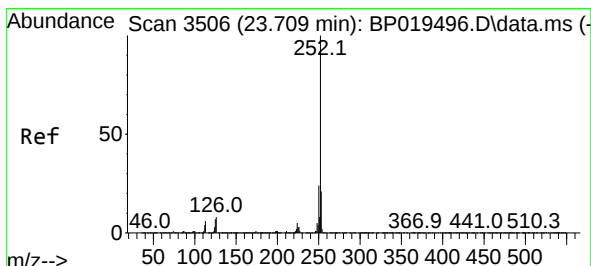
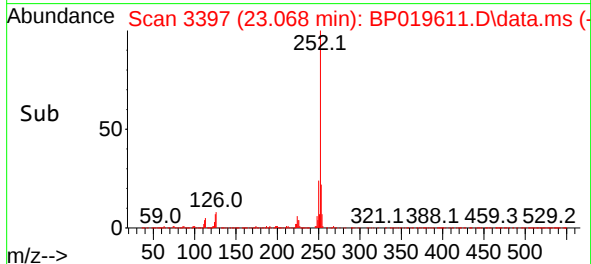
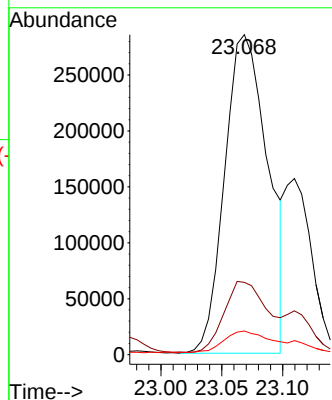
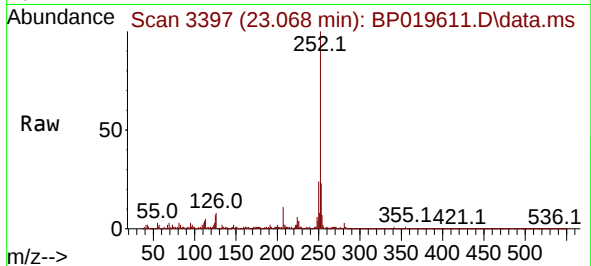




#89
Benzo(k)fluoranthene
Concen: 20.214 ng
RT: 23.068 min Scan# 31
Delta R.T. -0.059 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

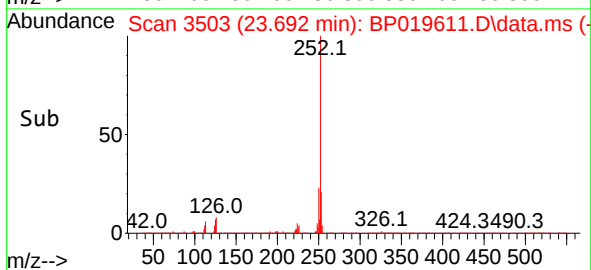
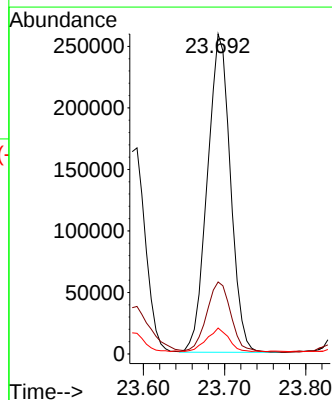
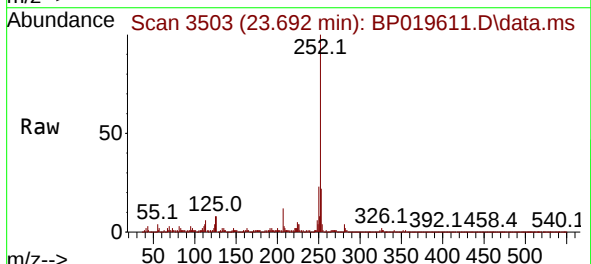
Instrument :
BNA_P
ClientSampleId :
COMP-3

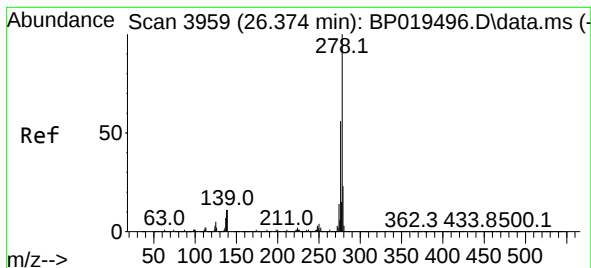
Tgt Ion:252 Resp: 705731
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 7.4 5.0 7.6



#90
Benzo(a)pyrene
Concen: 15.701 ng
RT: 23.692 min Scan# 3503
Delta R.T. -0.017 min
Lab File: BP019611.D
Acq: 08 Feb 2024 15:47

Tgt Ion:252 Resp: 510604
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 8.1 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 2.538 ng

RT: 26.333 min Scan# 3952

Delta R.T. -0.041 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

Instrument :

BNA_P

ClientSampleId :

COMP-3

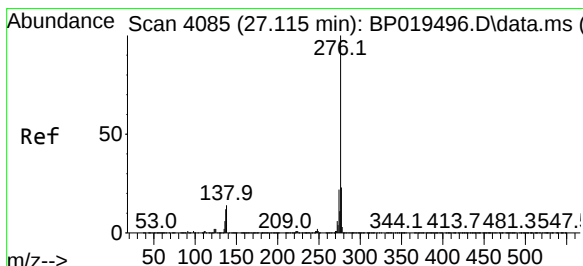
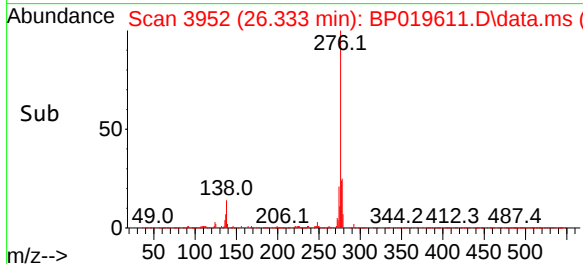
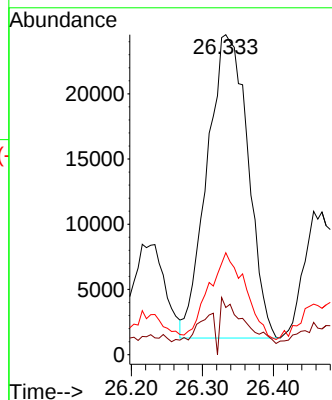
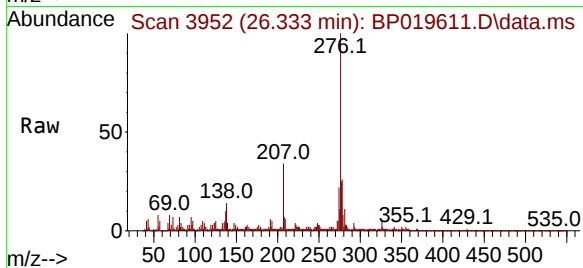
Tgt Ion:278 Resp: 92665

Ion Ratio Lower Upper

278 100

139 14.8 8.6 12.8#

279 31.8 18.5 27.7#



#92

Benzo(g,h,i)perylene

Concen: 9.049 ng

RT: 27.098 min Scan# 4082

Delta R.T. -0.017 min

Lab File: BP019611.D

Acq: 08 Feb 2024 15:47

Tgt Ion:276 Resp: 335165

Ion Ratio Lower Upper

276 100

277 23.6 18.6 28.0

138 14.1 10.9 16.3

