

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
 Data File : BP019918.D
 Acq On : 28 Feb 2024 16:03
 Operator : MA/JU
 Sample : P1602-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-3

Quant Time: Feb 28 16:38:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 02:05:05 2024
 Response via : Initial Calibration

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

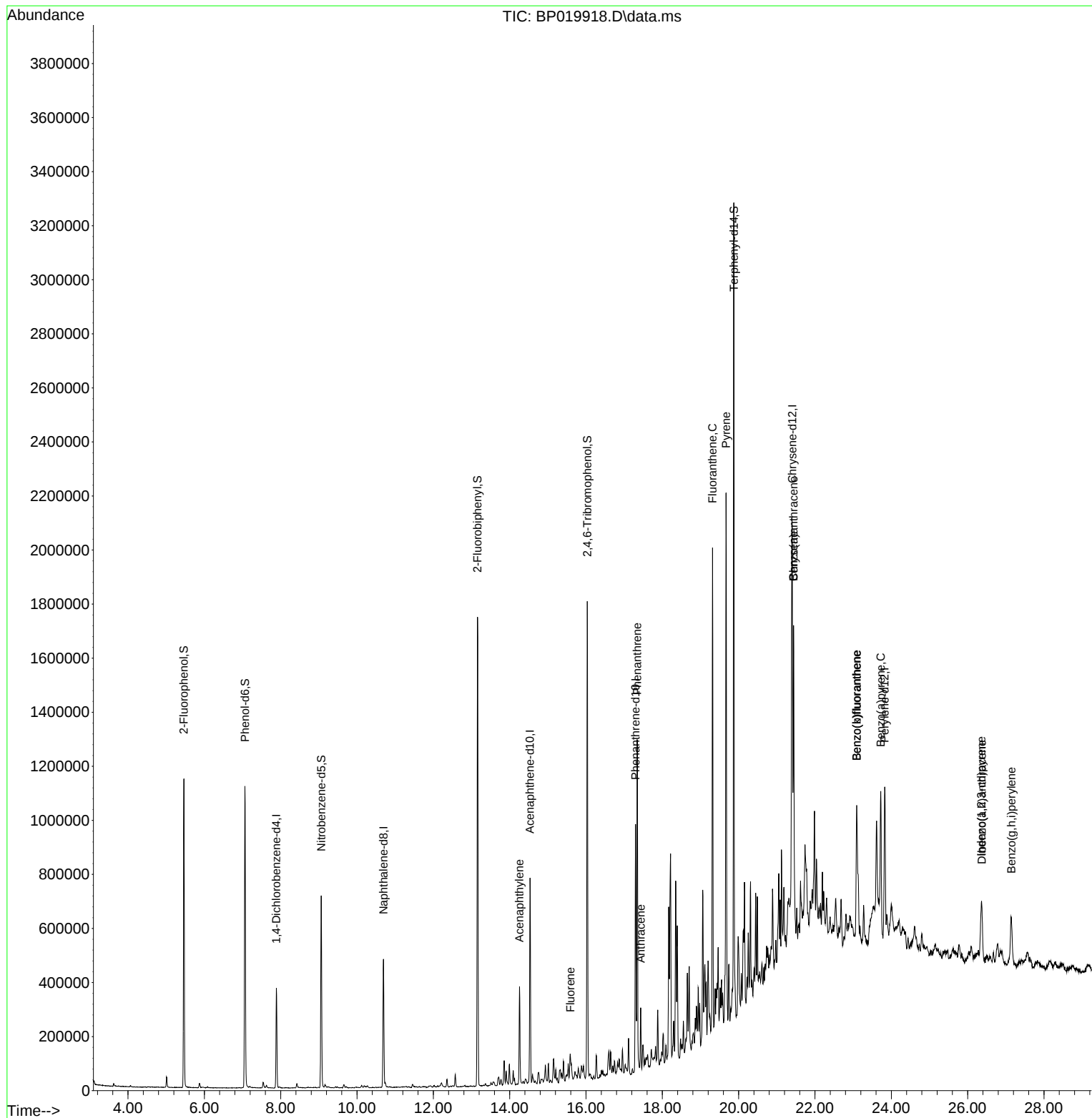
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.887	152	100587	20.000	ng	-0.01
21) Naphthalene-d8	10.693	136	387414	20.000	ng	-0.01
39) Acenaphthene-d10	14.534	164	268010	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	575791	20.000	ng	0.00
76) Chrysene-d12	21.404	240	488829	20.000	ng	0.00
86) Perylene-d12	23.827	264	523564	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	465733	75.998	ng	0.00
7) Phenol-d6	7.063	99	633217	69.401	ng	-0.01
23) Nitrobenzene-d5	9.063	82	429596	44.767	ng	-0.01
42) 2,4,6-Tribromophenol	16.033	330	362450	78.872	ng	-0.01
45) 2-Fluorobiphenyl	13.157	172	939753	47.375	ng	-0.01
79) Terphenyl-d14	19.874	244	1539587	49.641	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.257	152	261261	10.827	ng	99
58) Fluorene	15.592	166	55920	2.788	ng	# 92
71) Phenanthrene	17.339	178	781696	25.434	ng	99
72) Anthracene	17.433	178	149500	4.765	ng	98
75) Fluoranthene	19.316	202	990646	24.837	ng	98
78) Pyrene	19.669	202	1221112	36.358	ng	100
81) Benzo(a)anthracene	21.439	228	586884	16.914	ng	94
83) Chrysene	21.439	228	586884	18.050	ng	97
87) Indeno(1,2,3-cd)pyrene	26.362	276	260175	7.059	ng	97
88) Benzo(b)fluoranthene	23.092	252	504749	15.725	ng	97
89) Benzo(k)fluoranthene	23.092	252	504749	16.034	ng	97
90) Benzo(a)pyrene	23.721	252	395565	12.895	ng	99
91) Dibenzo(a,h)anthracene	26.374	278	75502	2.437	ng	# 83
92) Benzo(g,h,i)perylene	27.145	276	268812	8.987	ng	99

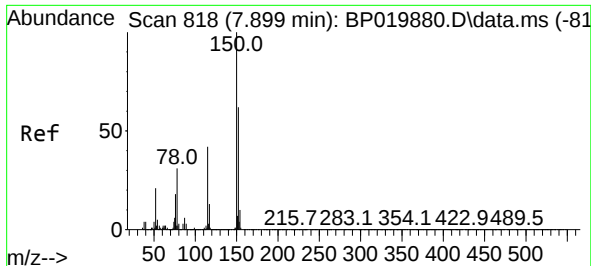
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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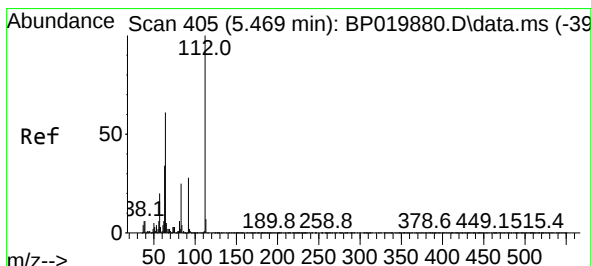
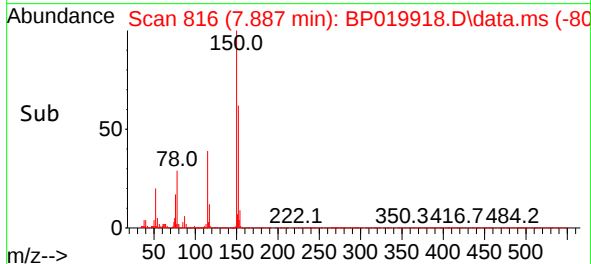
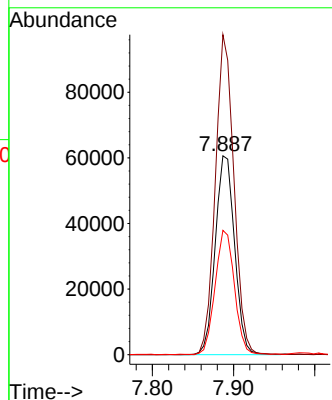
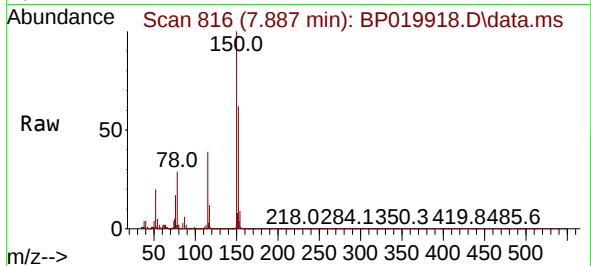




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.887 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

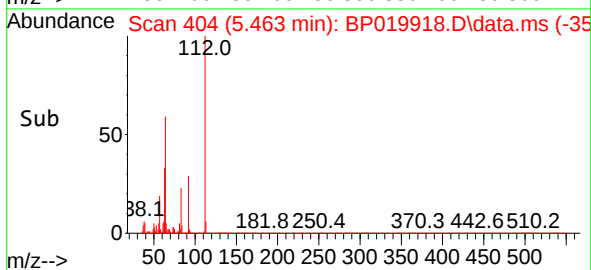
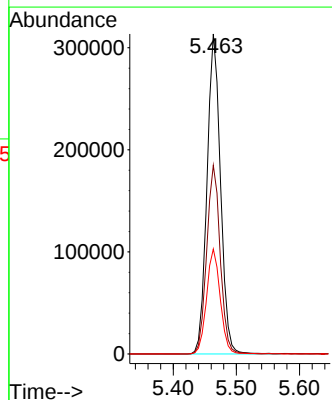
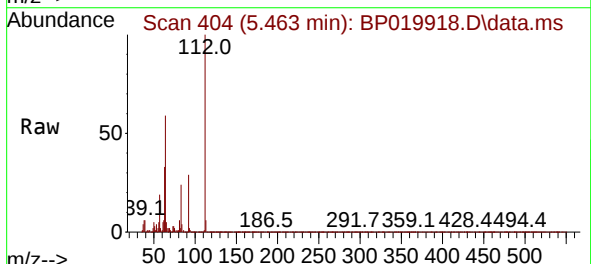
Instrument :
BNA_P
ClientSampleId :
WC-3

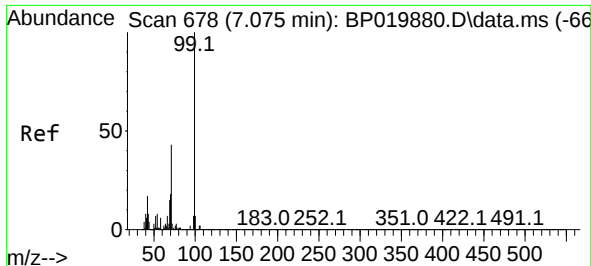
Tgt Ion:152 Resp: 100587
Ion Ratio Lower Upper
152 100
150 160.8 128.6 192.8
115 62.5 53.4 80.2



#5
2-Fluorophenol
Concen: 75.998 ng
RT: 5.463 min Scan# 404
Delta R.T. -0.006 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

Tgt Ion:112 Resp: 465733
Ion Ratio Lower Upper
112 100
64 58.9 49.0 73.6
63 32.8 27.6 41.4

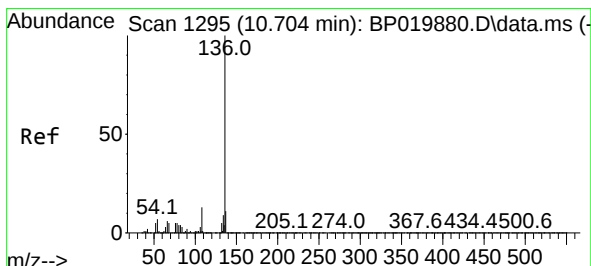
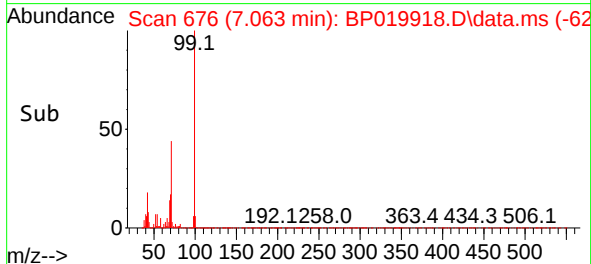
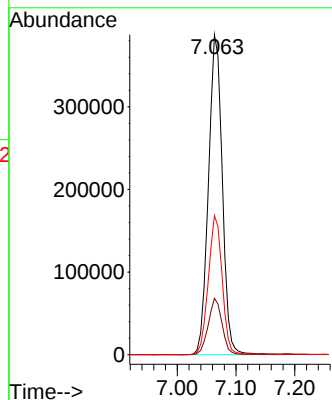
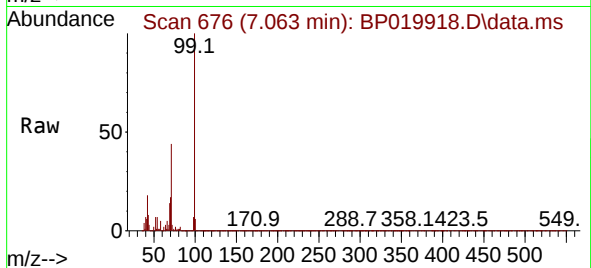




#7
Phenol-d6
Concen: 69.401 ng
RT: 7.063 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

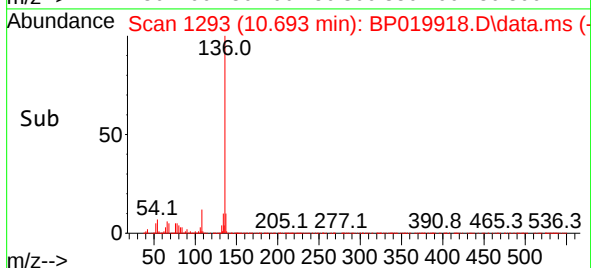
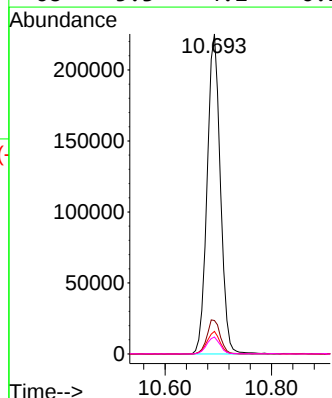
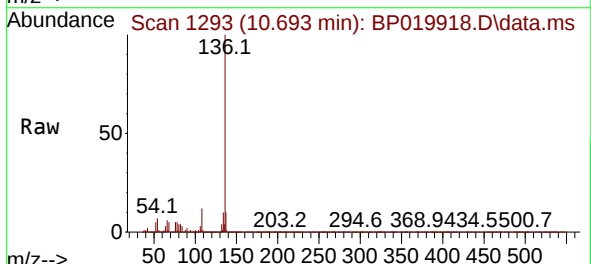
Instrument :
BNA_P
ClientSampleId :
WC-3

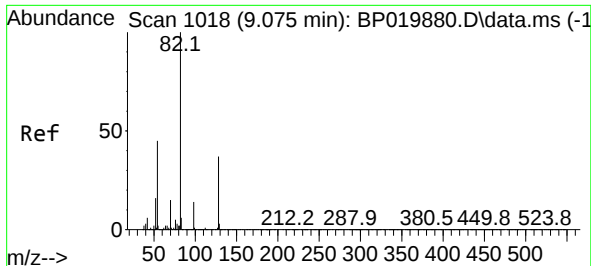
Tgt Ion: 99 Resp: 633217
Ion Ratio Lower Upper
99 100
42 17.6 13.8 20.8
71 43.5 34.5 51.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

Tgt Ion:136 Resp: 387414
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 7.1 6.0 9.0
68 5.3 4.2 6.2

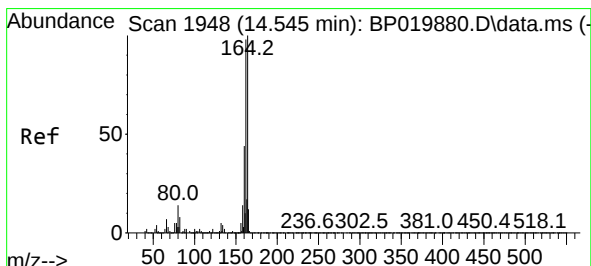
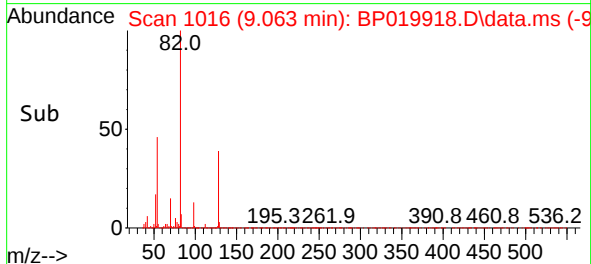
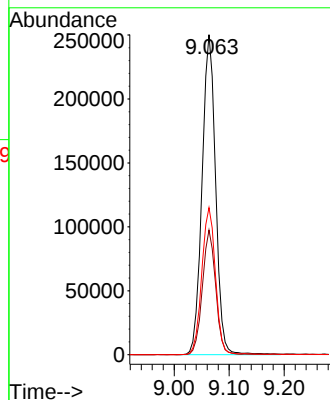
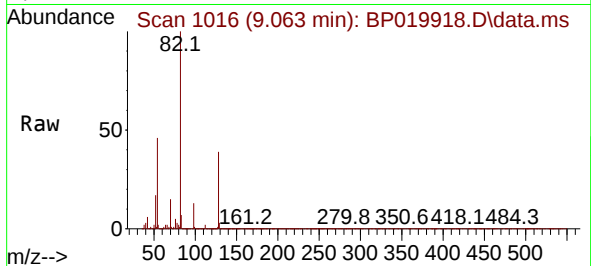




#23
Nitrobenzene-d5
Concen: 44.767 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

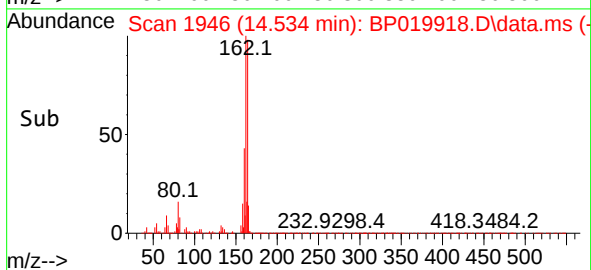
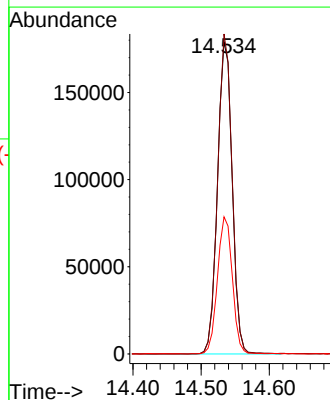
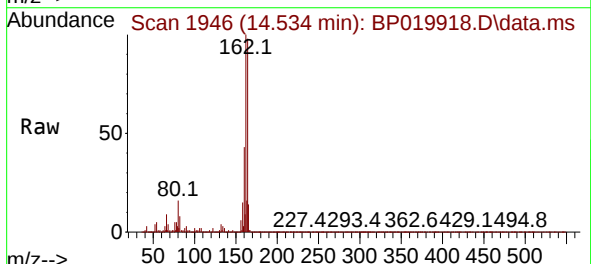
Instrument :
BNA_P
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WC-3

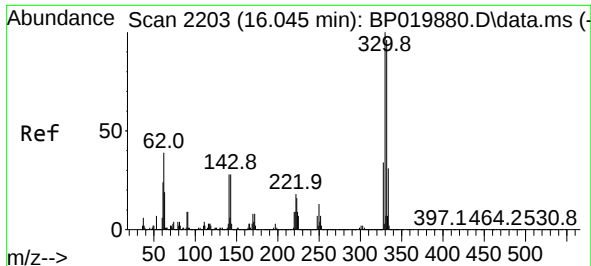
Tgt Ion: 82 Resp: 429596
Ion Ratio Lower Upper
82 100
128 39.0 29.6 44.4
54 45.9 36.3 54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.534 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

Tgt Ion: 164 Resp: 268010
Ion Ratio Lower Upper
164 100
162 102.5 78.1 117.1
160 43.9 35.3 52.9

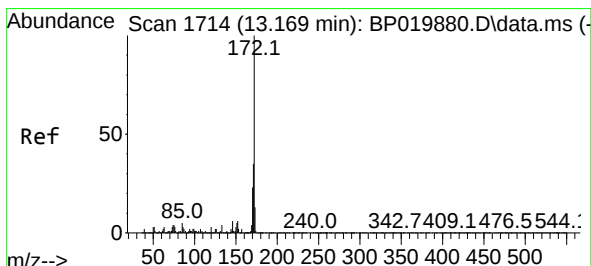
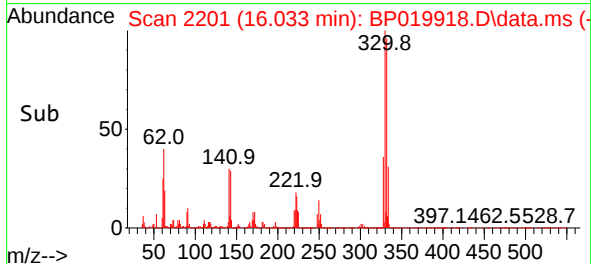
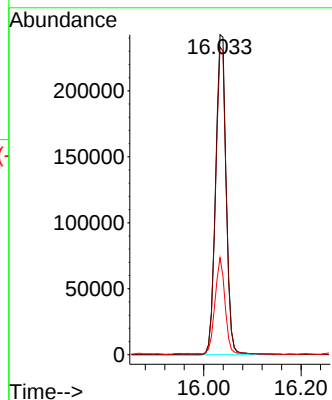
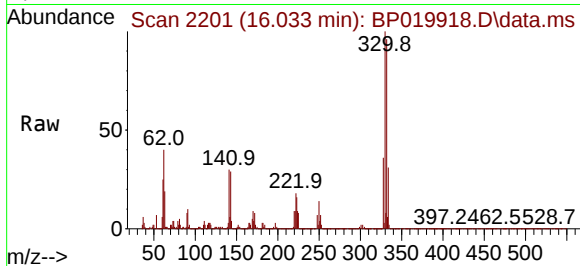




#42
2,4,6-Tribromophenol
Concen: 78.872 ng
RT: 16.033 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

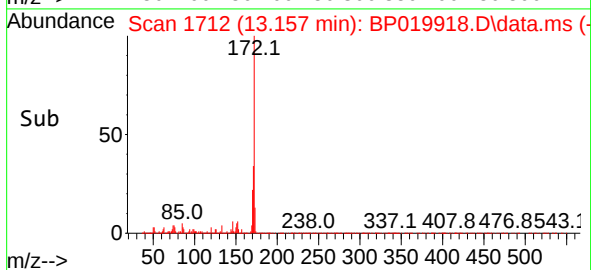
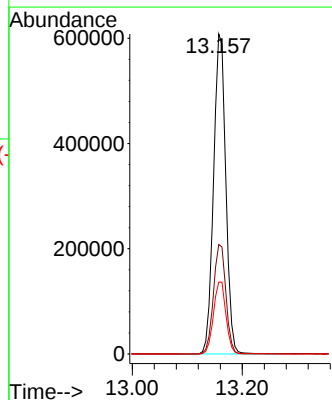
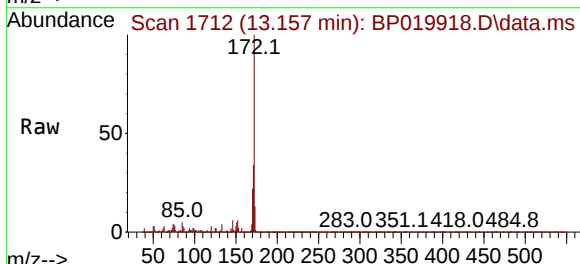
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ClientSampleId :
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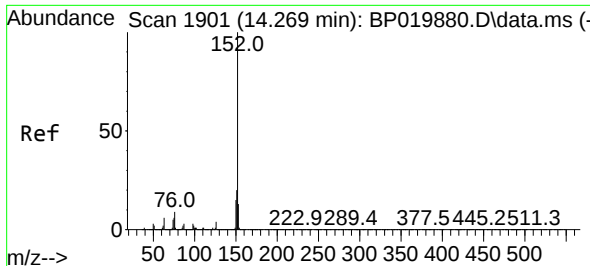
Tgt Ion:330 Resp: 362450
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.2
141 28.6 24.6 37.0



#45
2-Fluorobiphenyl
Concen: 47.375 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

Tgt Ion:172 Resp: 939753
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.6
170 22.5 18.4 27.6

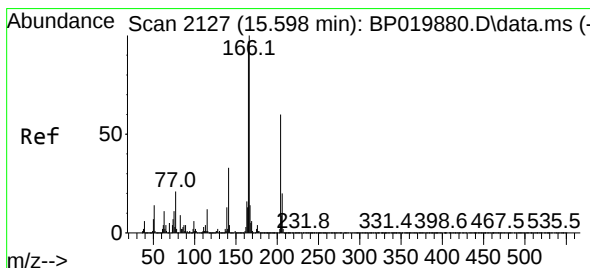
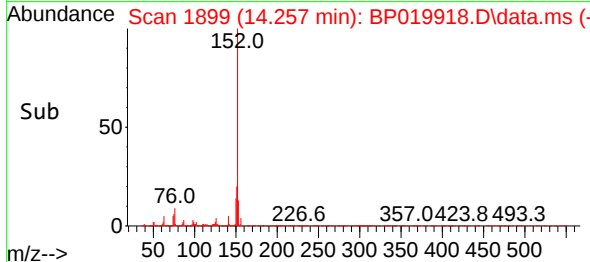
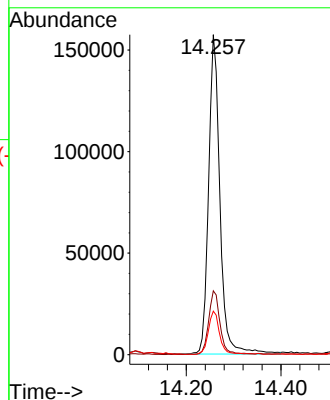
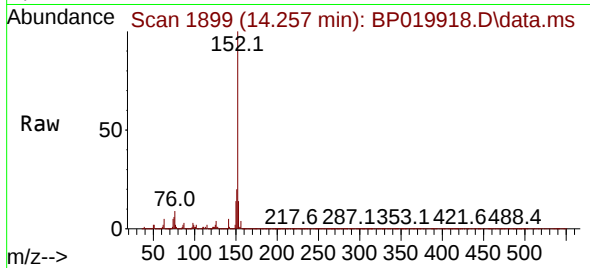




#49
Acenaphthylene
Concen: 10.827 ng
RT: 14.257 min Scan# 1899
Delta R.T. -0.012 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

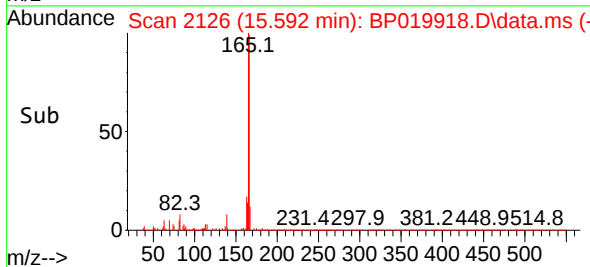
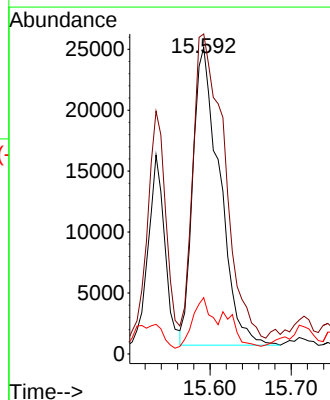
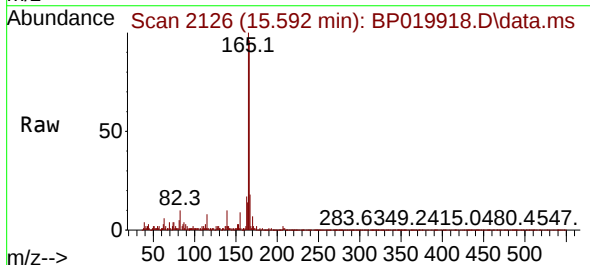
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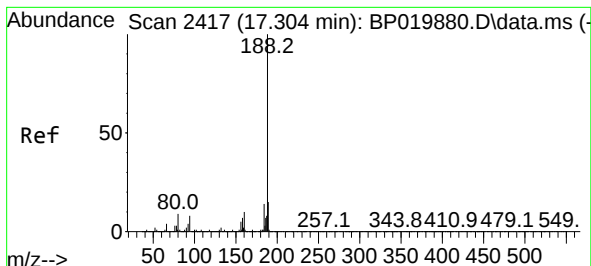
Tgt Ion:152 Resp: 261261
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 13.6 10.4 15.6



#58
Fluorene
Concen: 2.788 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

Tgt Ion:166 Resp: 55920
Ion Ratio Lower Upper
166 100
165 104.4 77.8 116.6
167 18.4 10.8 16.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 2416

Delta R.T. -0.006 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

Instrument :

BNA_P

ClientSampleId :

WC-3

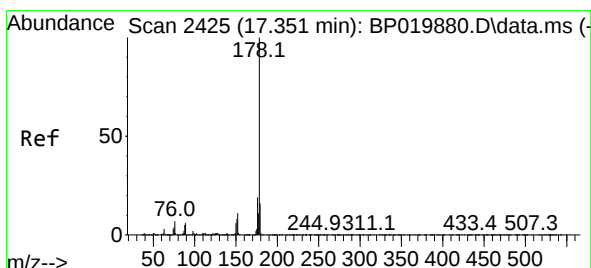
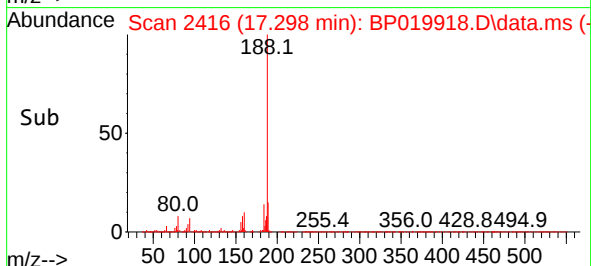
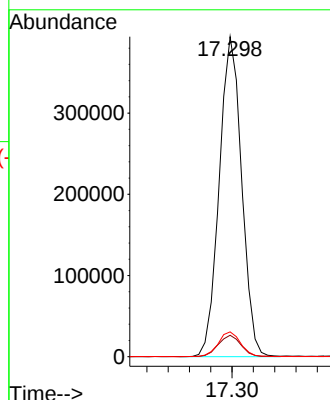
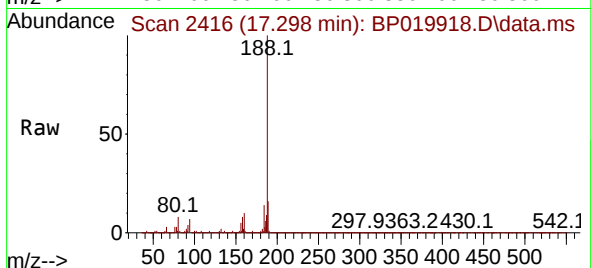
Tgt Ion:188 Resp: 575791

Ion Ratio Lower Upper

188 100

94 6.7 6.2 9.4

80 7.8 7.0 10.4



#71

Phenanthrene

Concen: 25.434 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.012 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

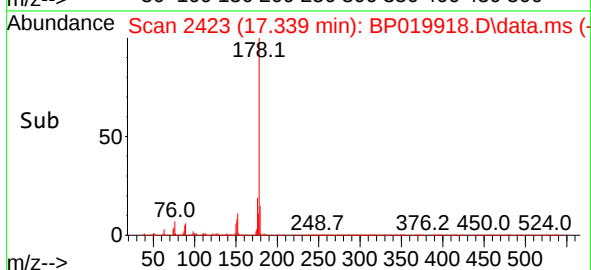
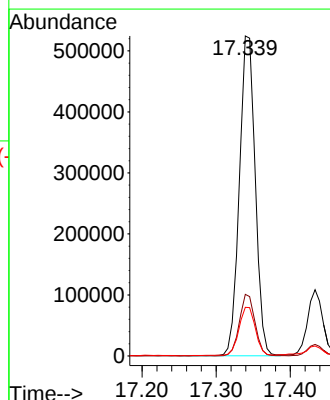
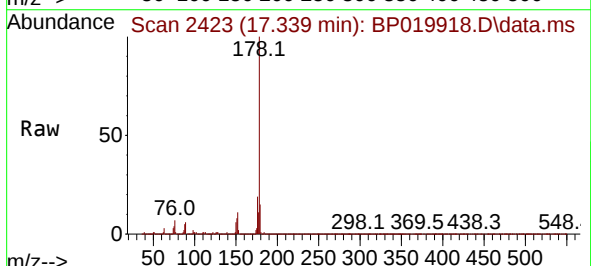
Tgt Ion:178 Resp: 781696

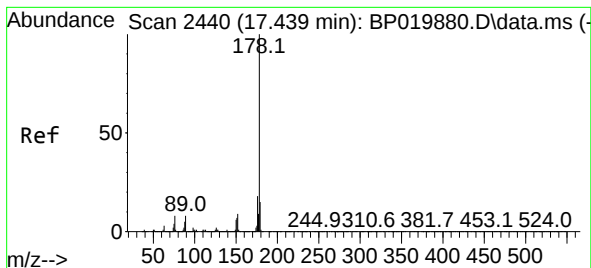
Ion Ratio Lower Upper

178 100

176 19.2 15.2 22.8

179 15.2 12.5 18.7





#72

Anthracene

Concen: 4.765 ng

RT: 17.433 min Scan# 2440

Delta R.T. -0.006 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

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WC-3

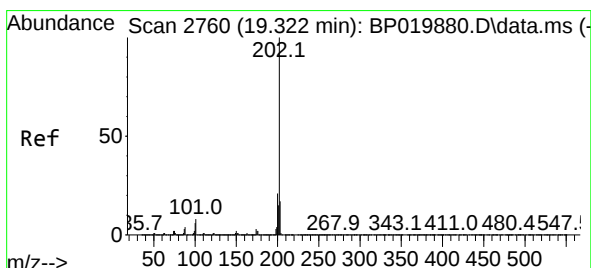
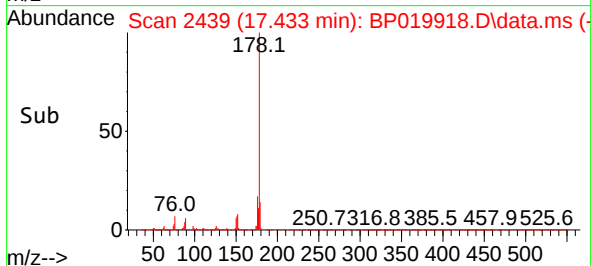
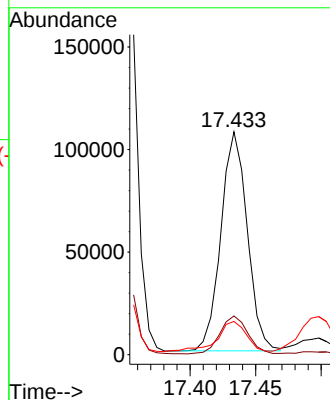
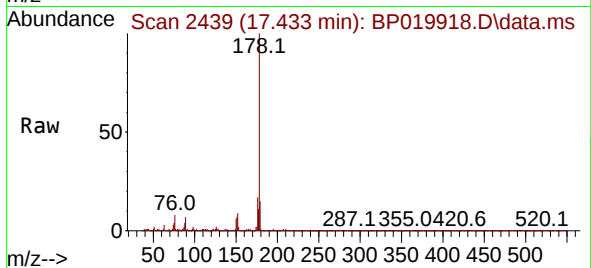
Tgt Ion:178 Resp: 149500

Ion Ratio Lower Upper

178 100

176 17.4 14.7 22.1

179 14.9 12.2 18.4



#75

Fluoranthene

Concen: 24.837 ng

RT: 19.316 min Scan# 2759

Delta R.T. -0.006 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

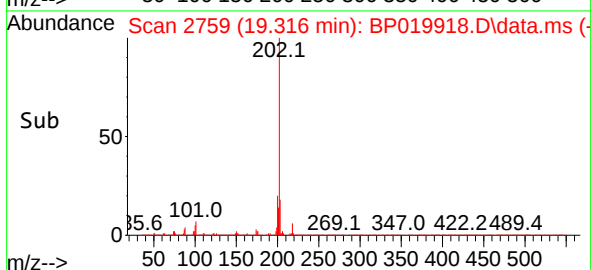
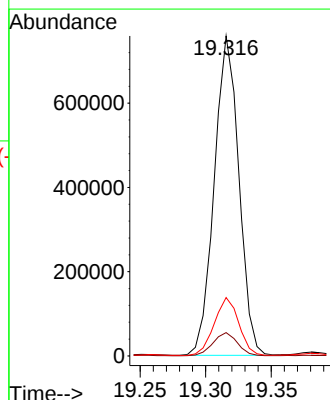
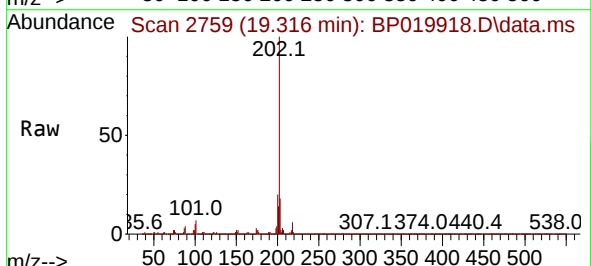
Tgt Ion:202 Resp: 990646

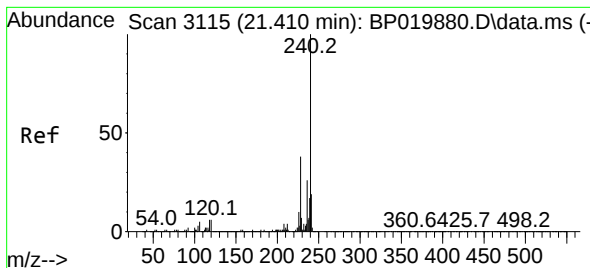
Ion Ratio Lower Upper

202 100

101 7.3 0.0 27.7

203 18.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.404 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

Instrument :

BNA_P

ClientSampleId :

WC-3

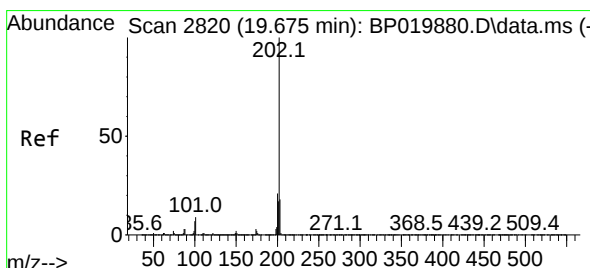
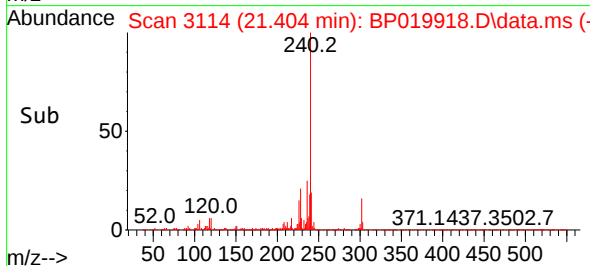
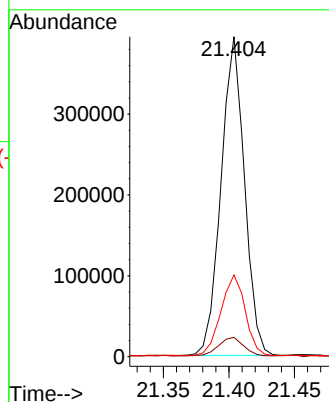
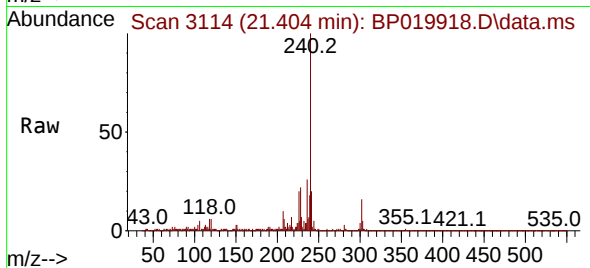
Tgt Ion:240 Resp: 488829

Ion Ratio Lower Upper

240 100

120 6.1 5.1 7.7

236 25.5 20.5 30.7



#78

Pyrene

Concen: 36.358 ng

RT: 19.669 min Scan# 2819

Delta R.T. -0.006 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

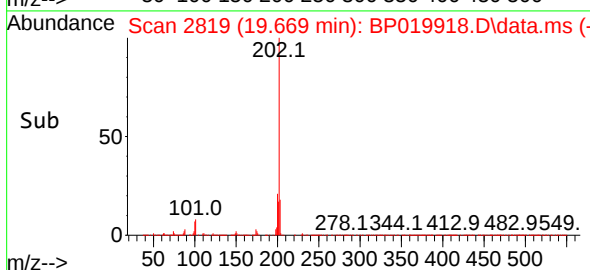
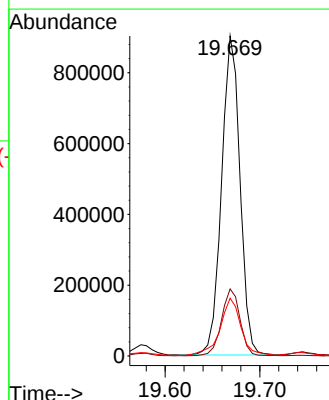
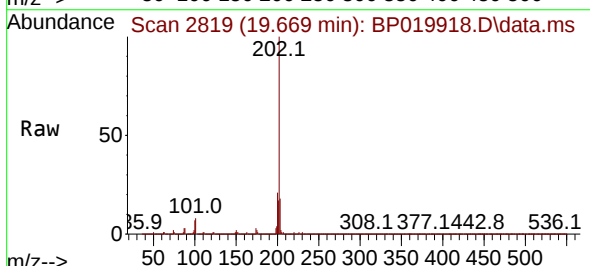
Tgt Ion:202 Resp: 1221112

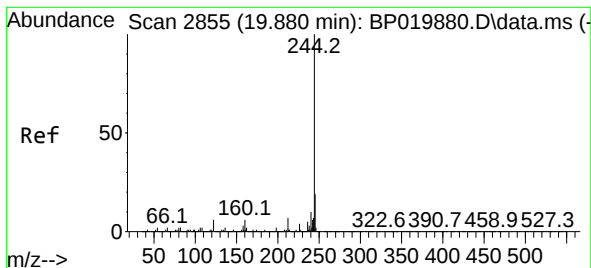
Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

203 18.0 14.2 21.2





#79

Terphenyl-d14

Concen: 49.641 ng

RT: 19.874 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

Instrument :

BNA_P

ClientSampleId :

WC-3

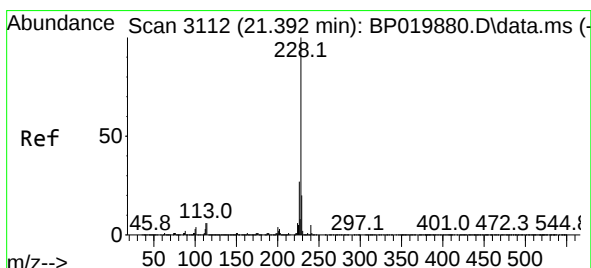
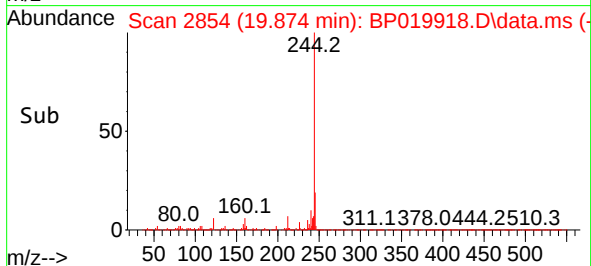
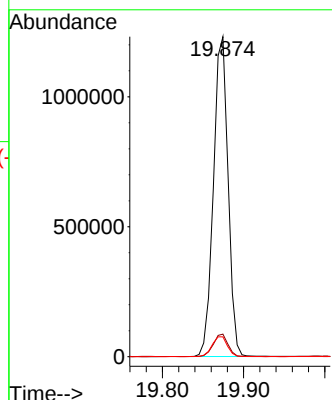
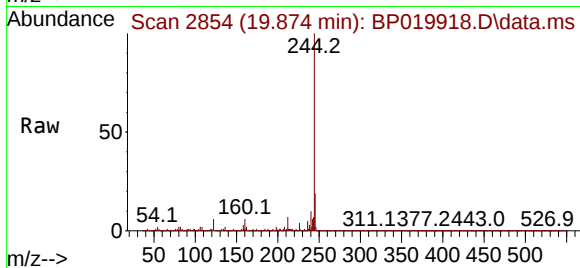
Tgt Ion:244 Resp: 1539587

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 6.2 5.0 7.6



#81

Benzo(a)anthracene

Concen: 16.914 ng

RT: 21.439 min Scan# 3120

Delta R.T. 0.047 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

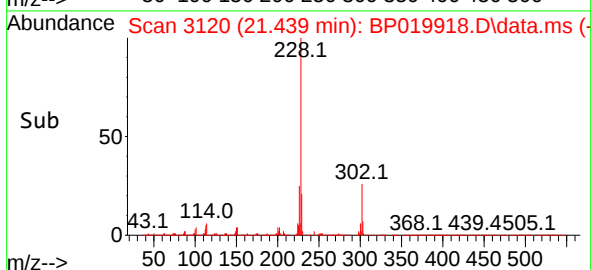
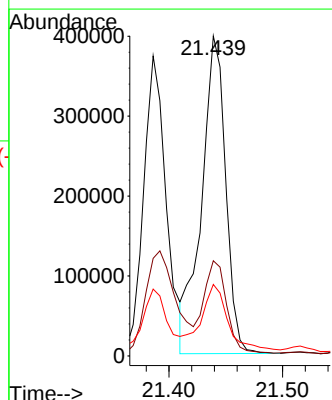
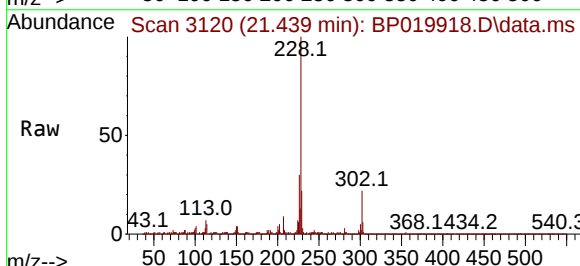
Tgt Ion:228 Resp: 586884

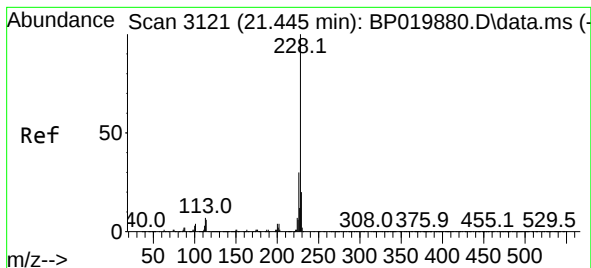
Ion Ratio Lower Upper

228 100

226 29.7 21.5 32.3

229 22.3 15.6 23.4





#83

Chrysene

Concen: 18.050 ng

RT: 21.439 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

Instrument :

BNA_P

ClientSampleId :

WC-3

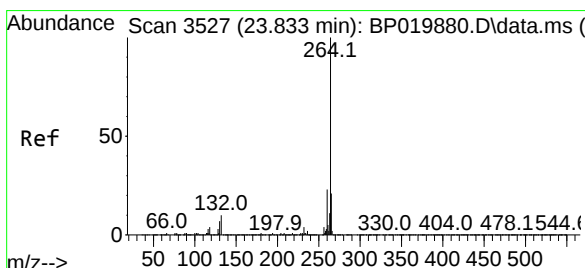
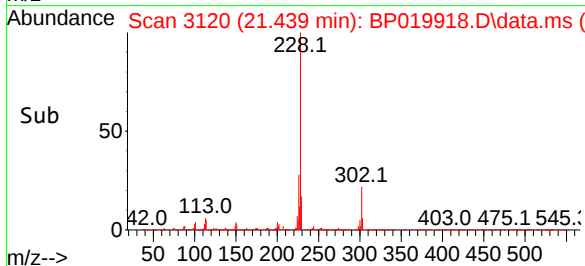
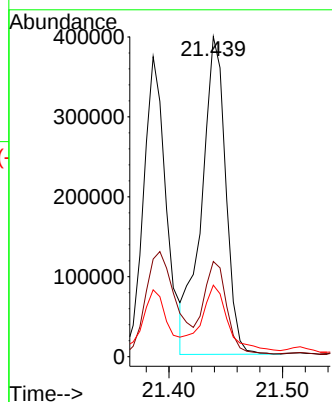
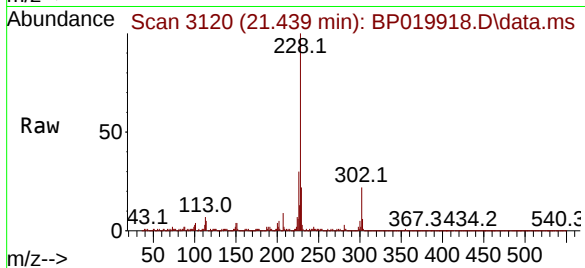
Tgt Ion:228 Resp: 586884

Ion Ratio Lower Upper

228 100

226 29.7 23.9 35.9

229 22.3 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.827 min Scan# 3526

Delta R.T. -0.006 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

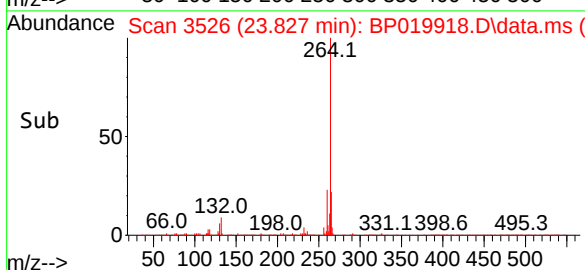
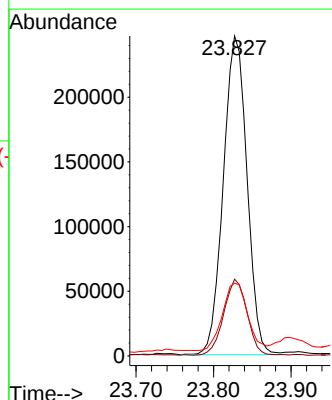
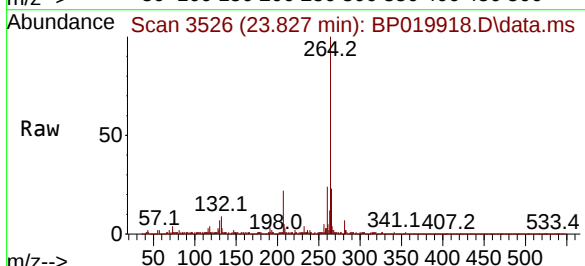
Tgt Ion:264 Resp: 523564

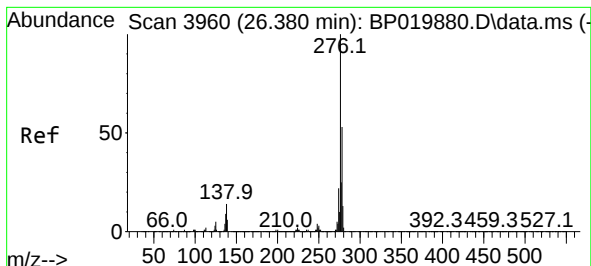
Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 22.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.059 ng

RT: 26.362 min Scan# 3957

Delta R.T. -0.018 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

Instrument :

BNA_P

ClientSampleId :

WC-3

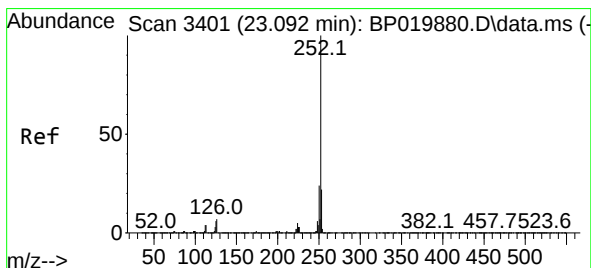
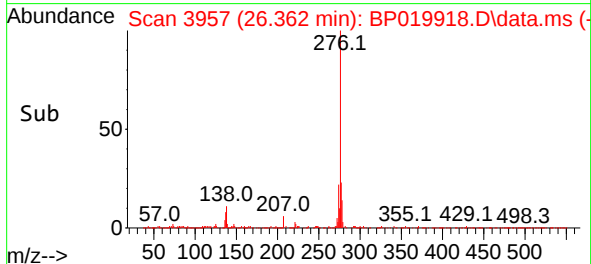
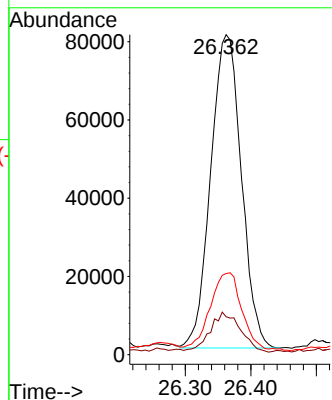
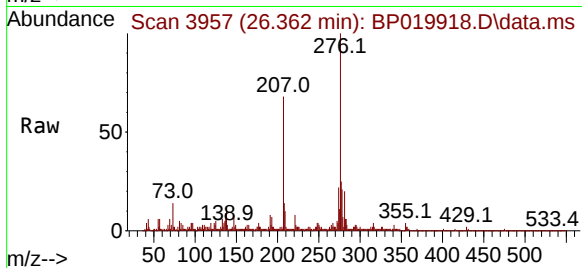
Tgt Ion:276 Resp: 260175

Ion Ratio Lower Upper

276 100

138 12.6 11.7 17.5

277 24.6 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 15.725 ng

RT: 23.092 min Scan# 3401

Delta R.T. -0.000 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

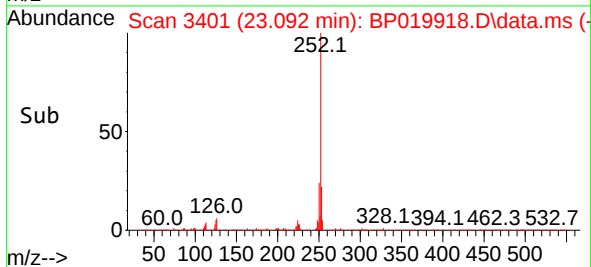
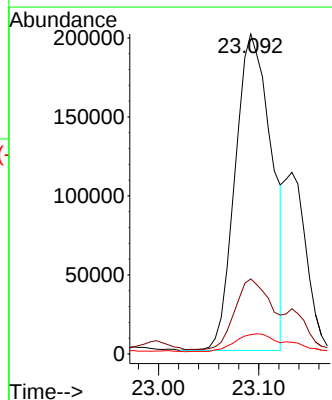
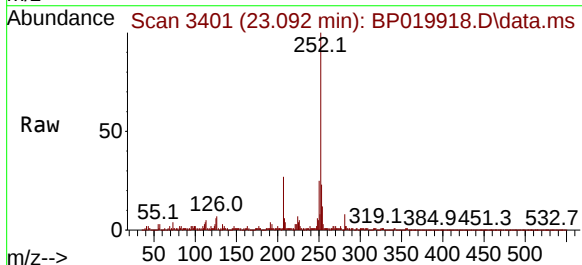
Tgt Ion:252 Resp: 504749

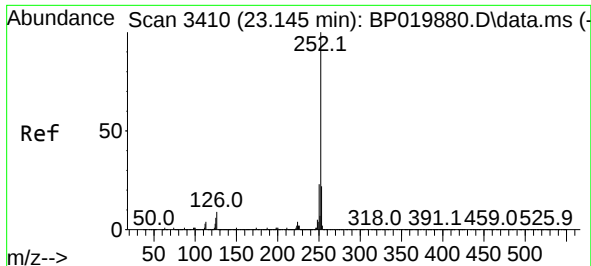
Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

125 6.0 4.6 7.0

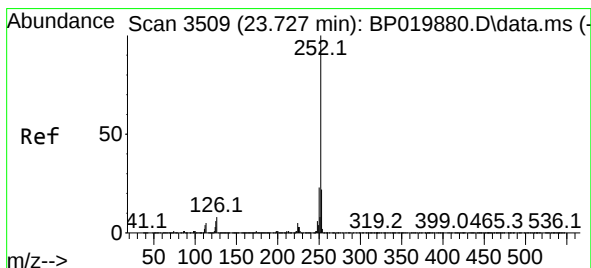
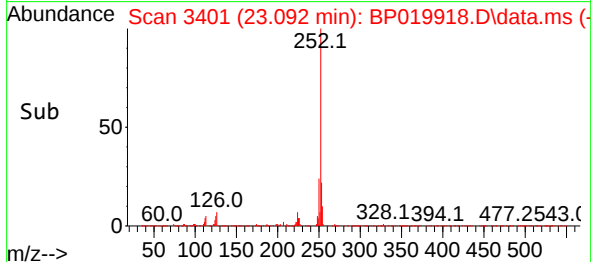
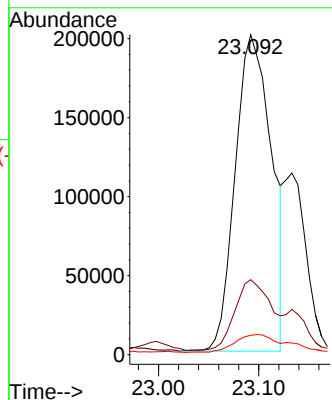
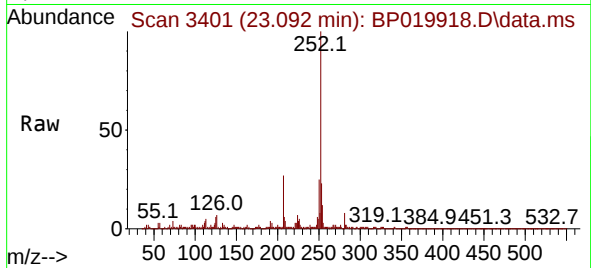




#89
Benzo(k)fluoranthene
Concen: 16.034 ng
RT: 23.092 min Scan# 3410
Delta R.T. -0.053 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

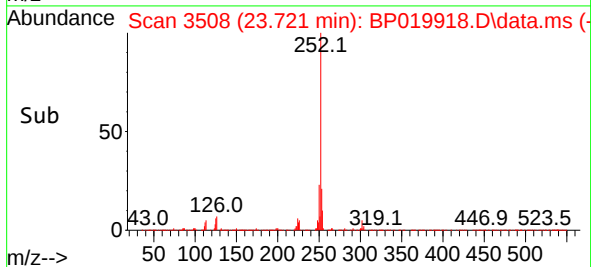
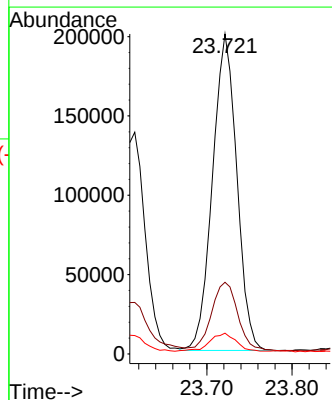
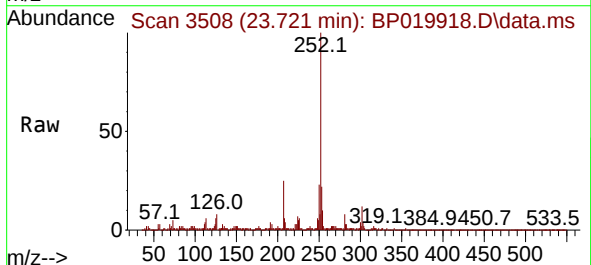
Instrument :
BNA_P
ClientSampleId :
WC-3

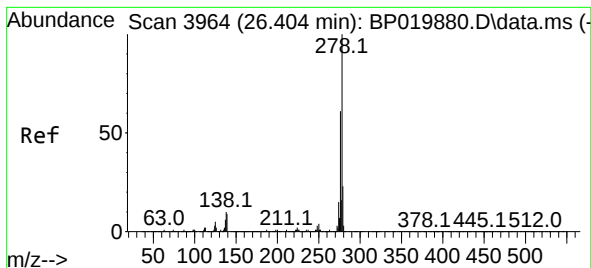
Tgt Ion:252 Resp: 504749
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 6.0 4.6 6.8



#90
Benzo(a)pyrene
Concen: 12.895 ng
RT: 23.721 min Scan# 3508
Delta R.T. -0.006 min
Lab File: BP019918.D
Acq: 28 Feb 2024 16:03

Tgt Ion:252 Resp: 395565
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 6.5 5.2 7.8





#91

Dibenzo(a,h)anthracene

Concen: 2.437 ng

RT: 26.374 min Scan# 3959

Delta R.T. -0.030 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

Instrument :

BNA_P

ClientSampleId :

WC-3

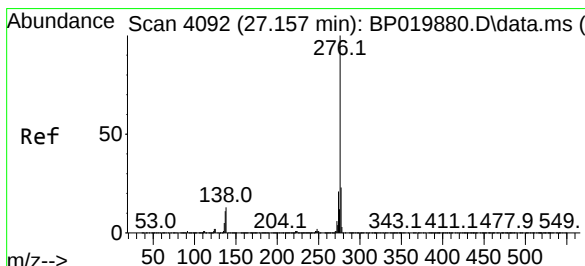
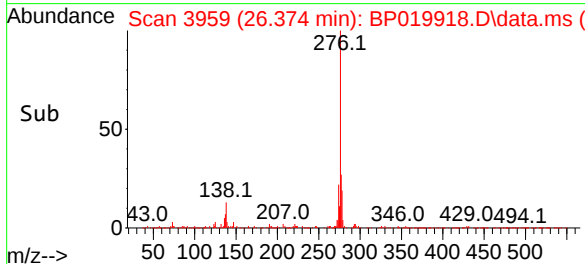
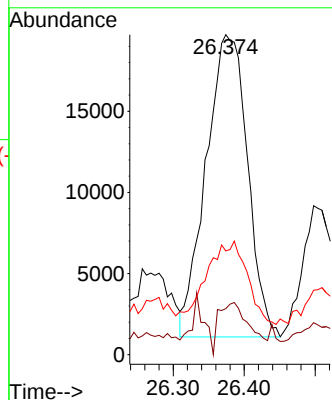
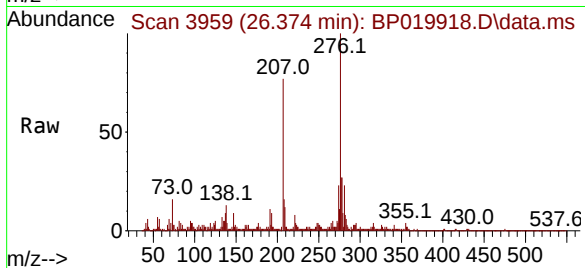
Tgt Ion:278 Resp: 75502

Ion Ratio Lower Upper

278 100

139 14.4 7.4 11.0#

279 32.4 18.7 28.1#



#92

Benzo(g,h,i)perylene

Concen: 8.987 ng

RT: 27.145 min Scan# 4090

Delta R.T. -0.012 min

Lab File: BP019918.D

Acq: 28 Feb 2024 16:03

Tgt Ion:276 Resp: 268812

Ion Ratio Lower Upper

276 100

277 23.9 18.5 27.7

138 12.8 10.2 15.2

