

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022924\
 Data File : BP019936.D
 Acq On : 29 Feb 2024 14:35
 Operator : MA/JU
 Sample : P1602-04DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-2DL

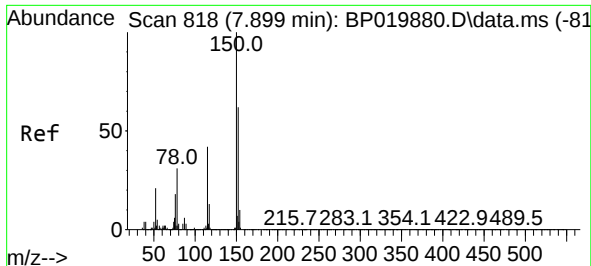
Quant Time: Feb 29 15:06:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 29 12:18:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	66504	20.000	ng	-0.02
21) Naphthalene-d8	10.699	136	257701	20.000	ng	-0.02
39) Acenaphthene-d10	14.540	164	184375	20.000	ng	-0.02
64) Phenanthrene-d10	17.310	188	422276	20.000	ng	-0.01
76) Chrysene-d12	21.416	240	443515	20.000	ng	-0.01
86) Perylene-d12	23.845	264	478654	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	63601	15.697	ng	-0.02
7) Phenol-d6	7.069	99	88095	14.604	ng	-0.02
23) Nitrobenzene-d5	9.069	82	61189	9.586	ng	-0.02
42) 2,4,6-Tribromophenol	16.045	330	54171	17.135	ng	-0.02
45) 2-Fluorobiphenyl	13.163	172	137546	10.079	ng	-0.02
79) Terphenyl-d14	19.875	244	261601	9.297	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.746	128	223896	16.227	ng	99
33) 4-Chloroaniline	10.746	127	29738	4.744	ng	# 35
37) 2-Methylnaphthalene	12.363	142	56659	5.290	ng	97
38) 1-Methylnaphthalene	12.363	142	56659	5.590	ng	96
49) Acenaphthylene	14.269	152	59123	3.561	ng	96
52) Acenaphthene	14.604	154	68509	6.873	ng	98
55) Dibenzofuran	14.946	168	111414	6.549	ng	98
56) 4-Nitrophenol	14.946	139	41729	16.636	ng	# 1
58) Fluorene	15.598	166	152693	11.067	ng	99
60) Diethylphthalate	15.375	149	211371	14.215	ng	98
71) Phenanthrene	17.351	178	1167030	51.776	ng	100
72) Anthracene	17.440	178	292720	12.722	ng	99
73) Carbazole	17.722	167	101666	4.989	ng	97
75) Fluoranthene	19.328	202	1388757	47.476	ng	99
78) Pyrene	19.681	202	1157911	37.999	ng	100
81) Benzo(a)anthracene	21.398	228	660736	20.988	ng	98
83) Chrysene	21.451	228	535013	18.136	ng	97
87) Indeno(1,2,3-cd)pyrene	26.392	276	287896	8.544	ng	# 96
88) Benzo(b)fluoranthene	23.104	252	706193	24.065	ng	99
89) Benzo(k)fluoranthene	23.104	252	706193	24.537	ng	98
90) Benzo(a)pyrene	23.739	252	498795	17.786	ng	97
91) Dibenzo(a,h)anthracene	26.410	278	75450	2.663	ng	# 87
92) Benzo(g,h,i)perylene	27.174	276	256066	9.364	ng	98

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

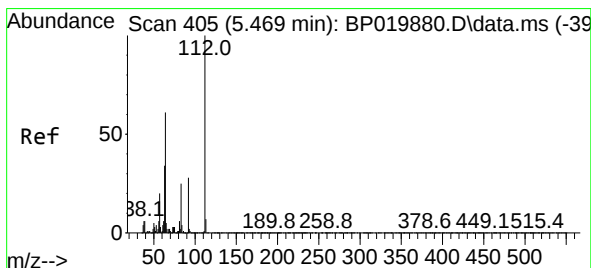
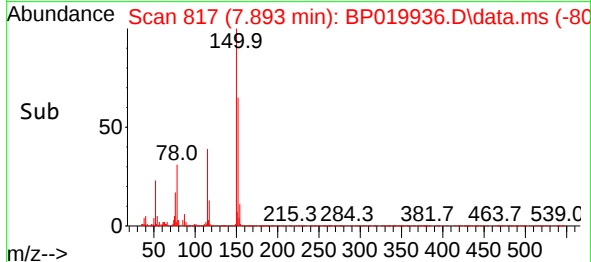
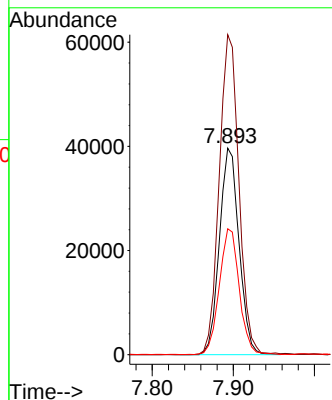
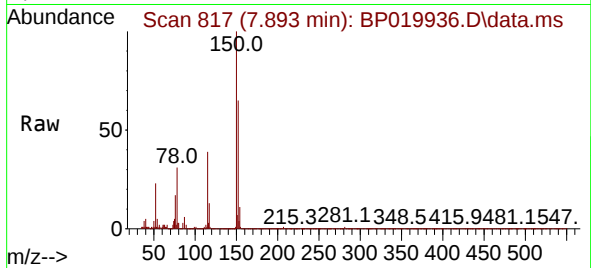
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022924\
Data File : BP019936.D
Acq On : 29 Feb 2024 14:35
Operator : MA/JU
Sample : P1602-04DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

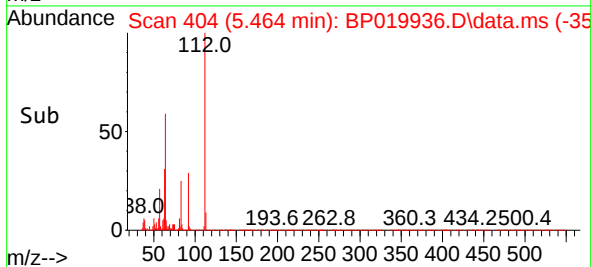
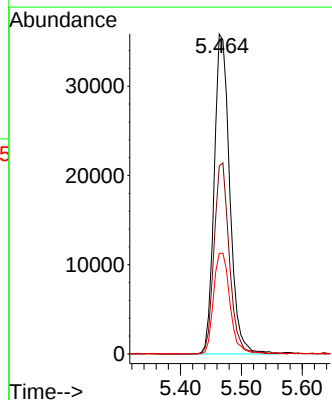
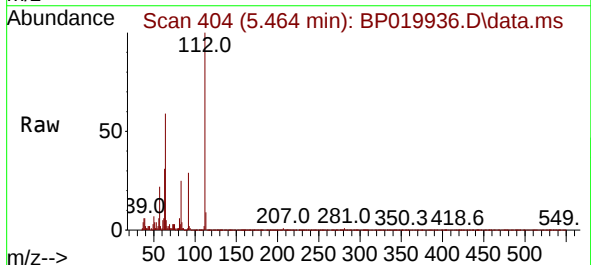
Instrument :
BNA_P
ClientSampleId :
WC-2DL

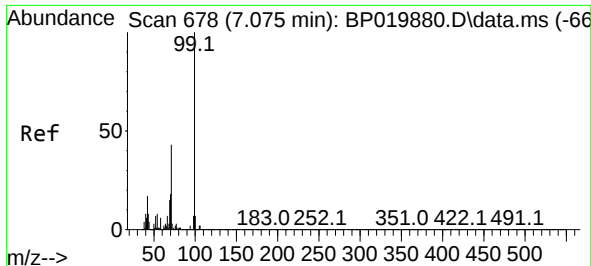
Tgt Ion:152 Resp: 66504
Ion Ratio Lower Upper
152 100
150 154.9 128.6 192.8
115 60.9 53.4 80.2



#5
2-Fluorophenol
Concen: 15.697 ng
RT: 5.464 min Scan# 404
Delta R.T. -0.017 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

Tgt Ion:112 Resp: 63601
Ion Ratio Lower Upper
112 100
64 58.8 49.0 73.6
63 31.4 27.6 41.4

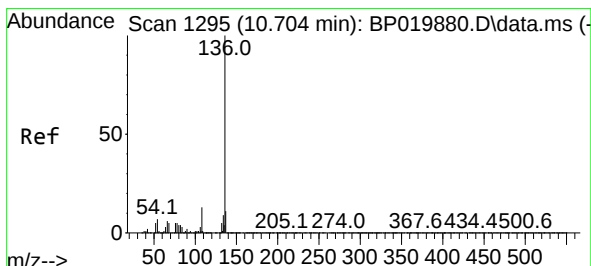
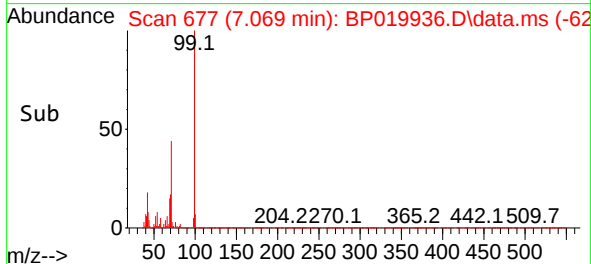
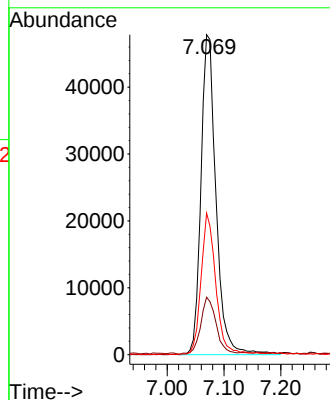
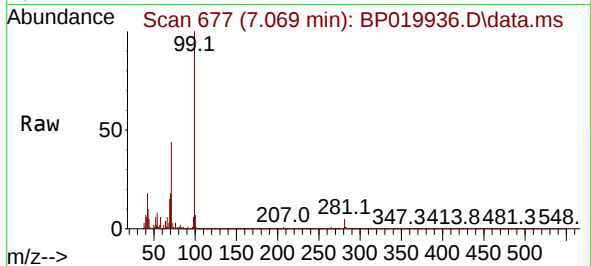




#7
Phenol-d6
Concen: 14.604 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.017 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

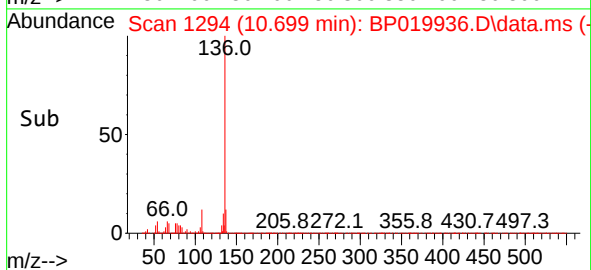
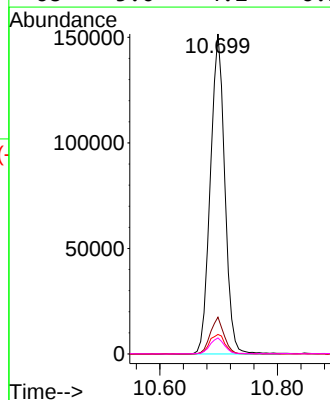
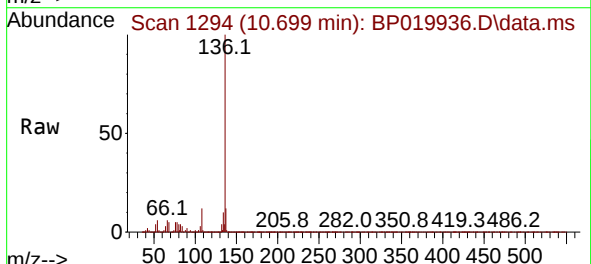
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ClientSampleId :
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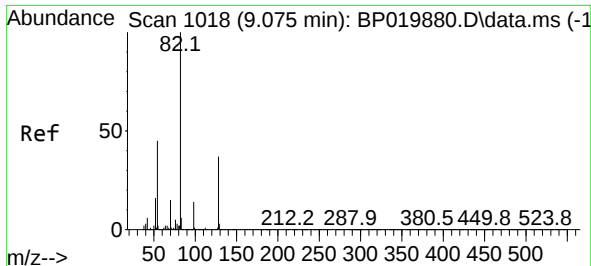
Tgt Ion: 99 Resp: 88095
Ion Ratio Lower Upper
99 100
42 17.9 13.8 20.8
71 44.2 34.5 51.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.699 min Scan# 1294
Delta R.T. -0.017 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

Tgt Ion: 136 Resp: 257701
Ion Ratio Lower Upper
136 100
137 11.5 8.7 13.1
54 6.1 6.0 9.0
68 5.0 4.2 6.2

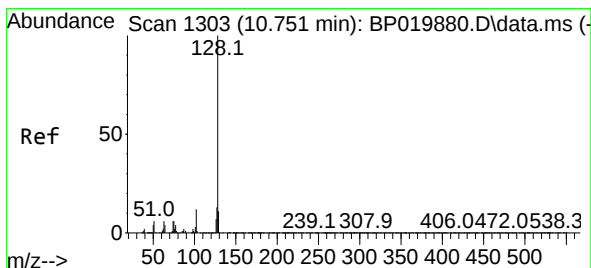
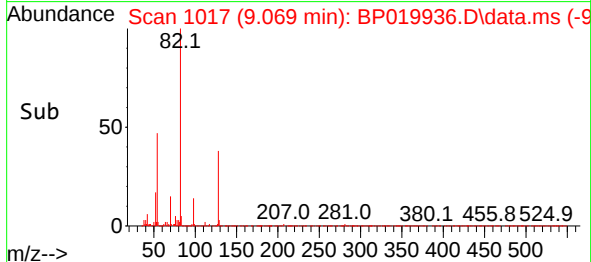
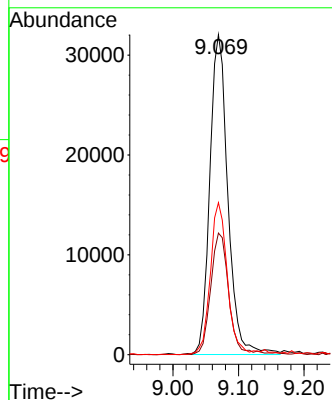
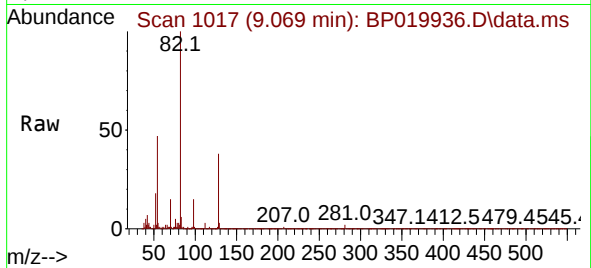




#23
Nitrobenzene-d5
Concen: 9.586 ng
RT: 9.069 min Scan# 1017
Delta R.T. -0.017 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

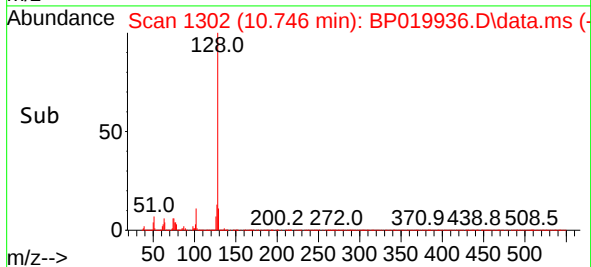
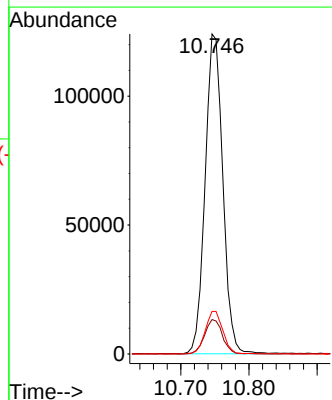
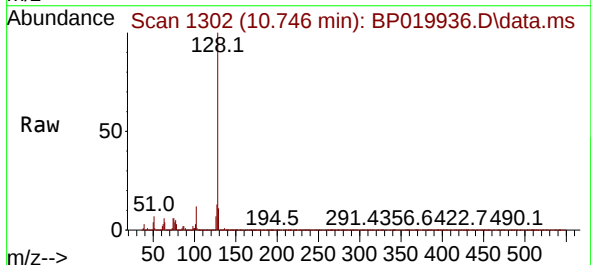
Instrument :
BNA_P
ClientSampleId :
WC-2DL

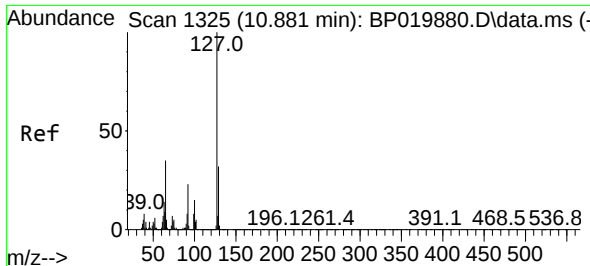
Tgt Ion: 82 Resp: 61189
Ion Ratio Lower Upper
82 100
128 38.0 29.6 44.4
54 47.5 36.3 54.5



#31
Naphthalene
Concen: 16.227 ng
RT: 10.746 min Scan# 1302
Delta R.T. -0.023 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

Tgt Ion: 128 Resp: 223896
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 13.3 10.2 15.2

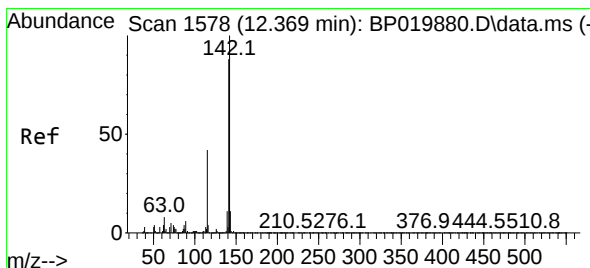
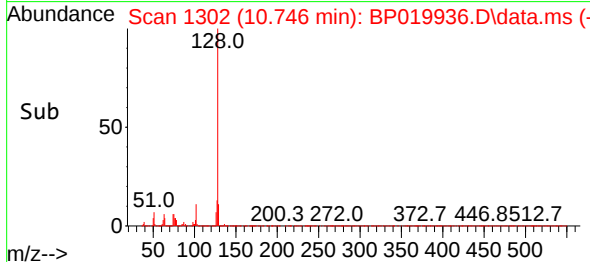
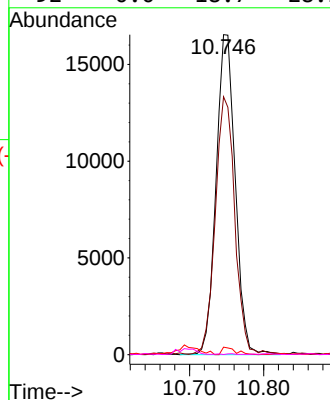
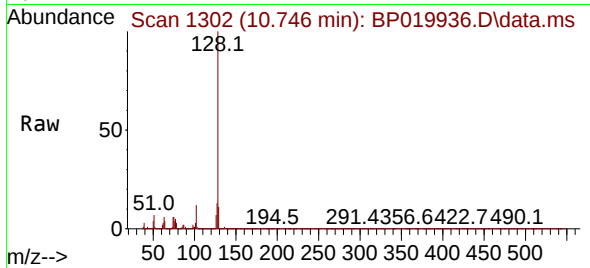




#33
4-Chloroaniline
Concen: 4.744 ng
RT: 10.746 min Scan# 11
Delta R.T. -0.147 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

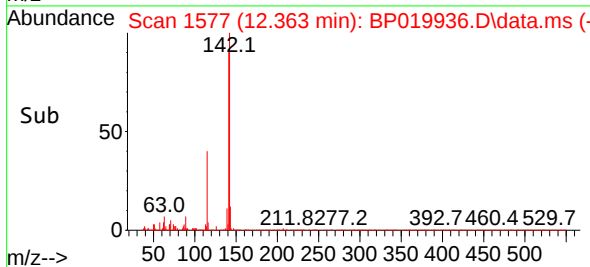
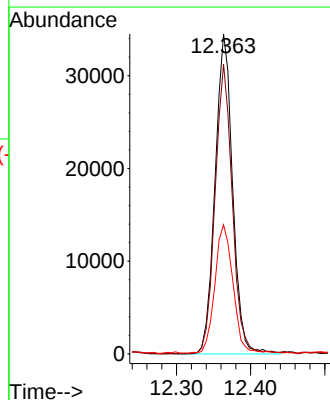
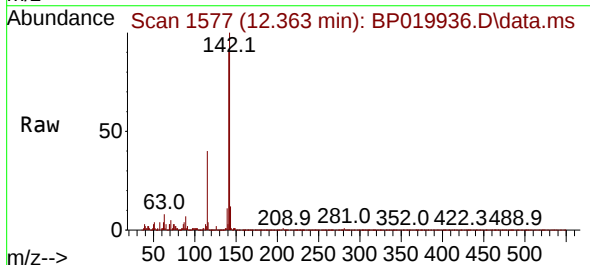
Instrument :
BNA_P
ClientSampleId :
WC-2DL

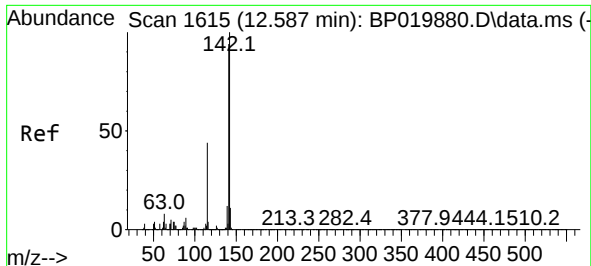
Tgt Ion:	127	Resp:	29738
Ion	Ratio	Lower	Upper
127	100		
129	80.6	25.7	38.5#
65	2.3	28.2	42.4#
92	0.0	18.7	28.1#



#37
2-Methylnaphthalene
Concen: 5.290 ng
RT: 12.363 min Scan# 1577
Delta R.T. -0.017 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

Tgt Ion:	142	Resp:	56659
Ion	Ratio	Lower	Upper
142	100		
141	90.5	70.0	105.0
115	40.4	33.7	50.5

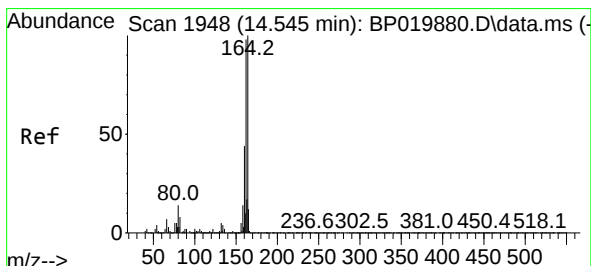
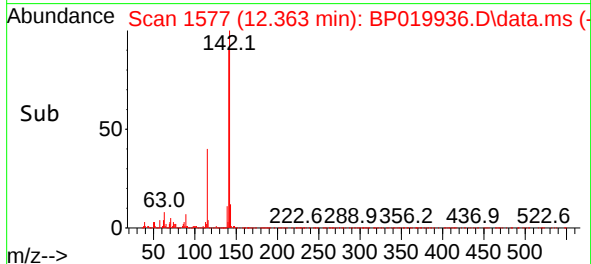
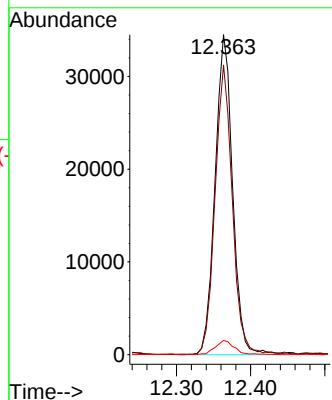
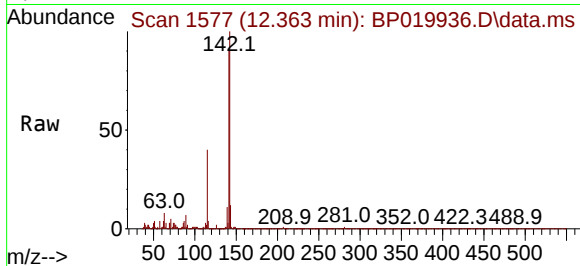




#38
1-Methylnaphthalene
Concen: 5.590 ng
RT: 12.363 min Scan# 1577
Delta R.T. -0.235 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

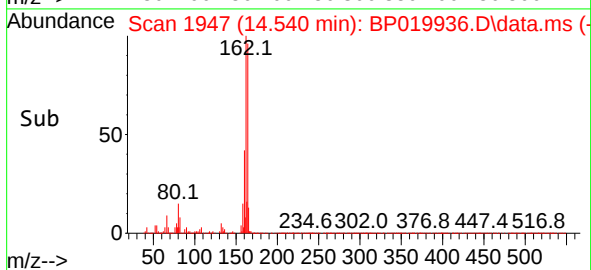
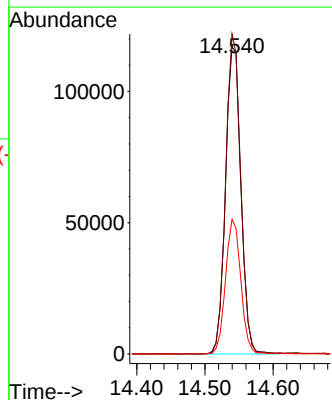
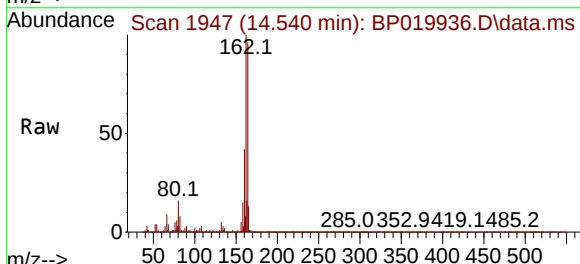
Instrument :
BNA_P
ClientSampleId :
WC-2DL

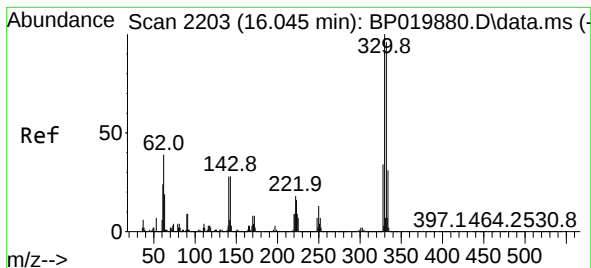
Tgt Ion:142 Resp: 56659
Ion Ratio Lower Upper
142 100
141 90.5 75.5 113.3
116 4.5 3.5 5.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.540 min Scan# 1947
Delta R.T. -0.017 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

Tgt Ion:164 Resp: 184375
Ion Ratio Lower Upper
164 100
162 104.1 78.1 117.1
160 43.8 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 17.135 ng

RT: 16.045 min Scan# 21

Delta R.T. -0.017 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

Instrument :

BNA_P

ClientSampleId :

WC-2DL

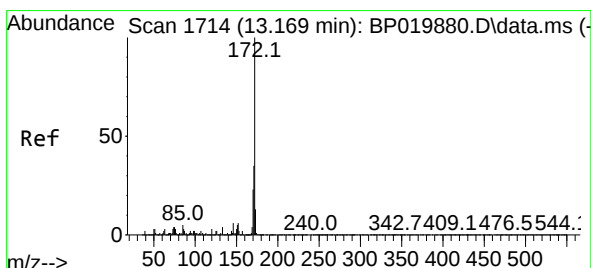
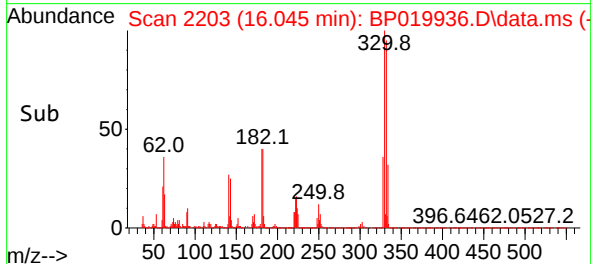
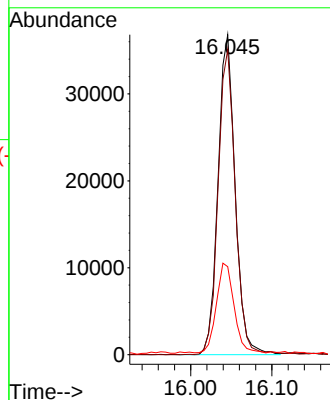
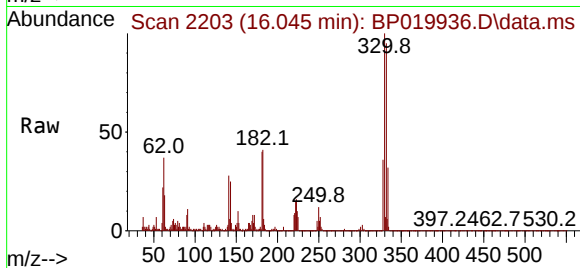
Tgt Ion:330 Resp: 54171

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.2

141 29.1 24.6 37.0



#45

2-Fluorobiphenyl

Concen: 10.079 ng

RT: 13.163 min Scan# 1713

Delta R.T. -0.017 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

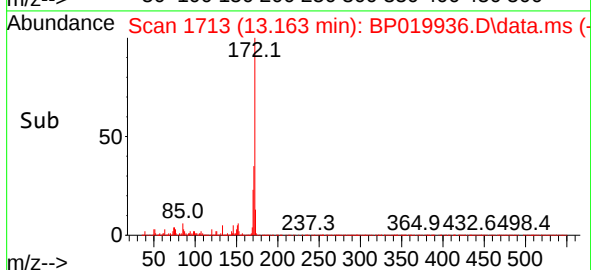
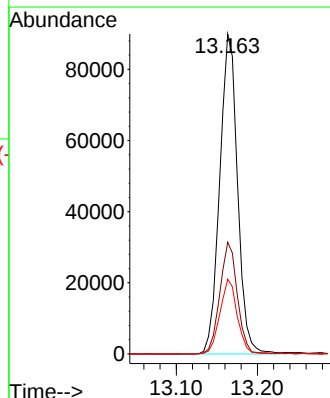
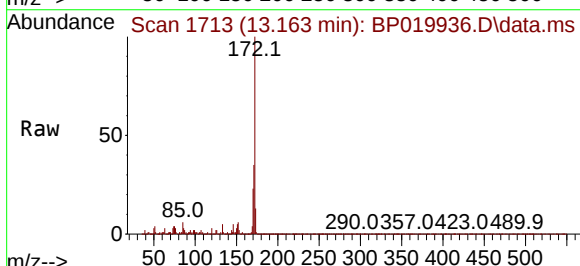
Tgt Ion:172 Resp: 137546

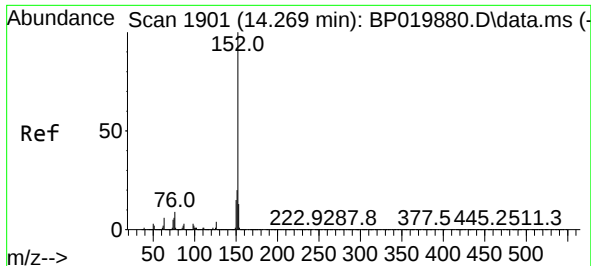
Ion Ratio Lower Upper

172 100

171 34.9 27.8 41.6

170 23.4 18.4 27.6

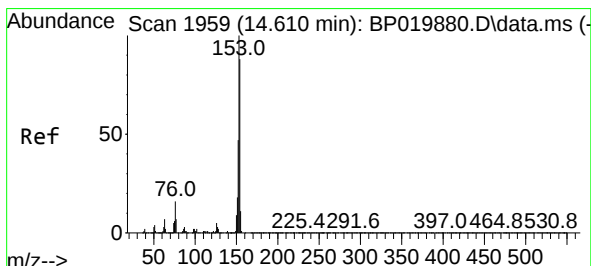
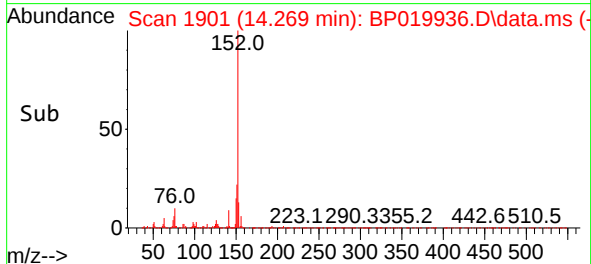
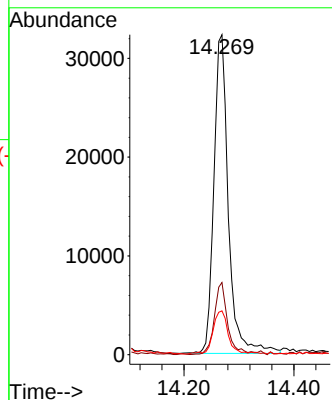
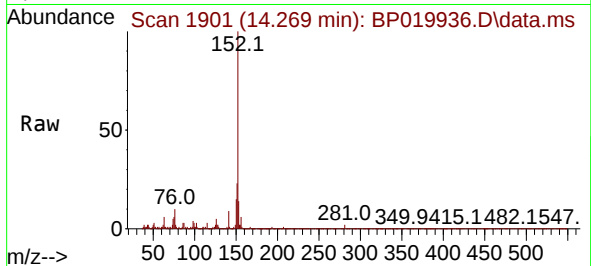




#49
Acenaphthylene
Concen: 3.561 ng
RT: 14.269 min Scan# 1901
Delta R.T. -0.012 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

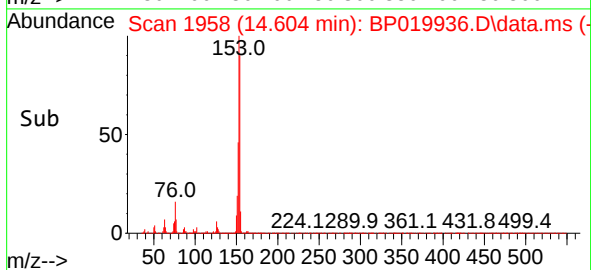
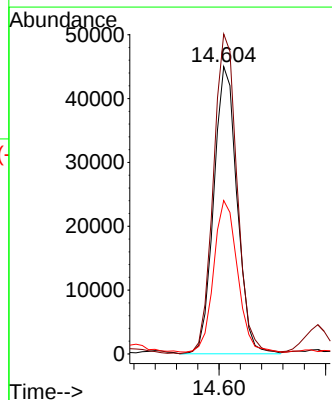
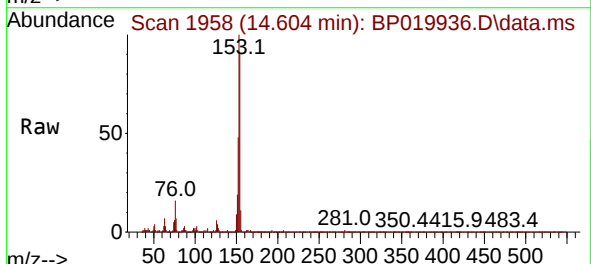
Instrument :
BNA_P
ClientSampleId :
WC-2DL

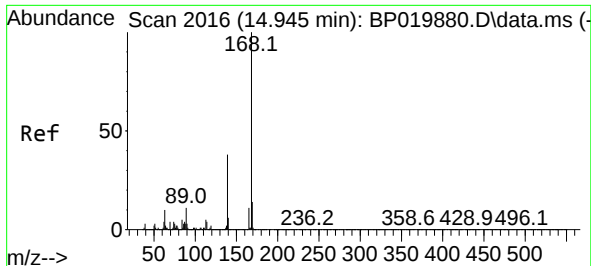
Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.5	15.9	23.9
153	13.7	10.4	15.6



#52
Acenaphthene
Concen: 6.873 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.017 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.4	90.9	136.3
152	53.4	42.3	63.5

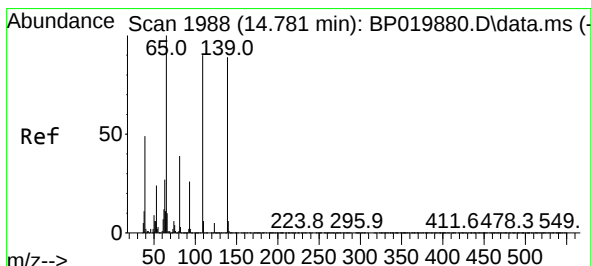
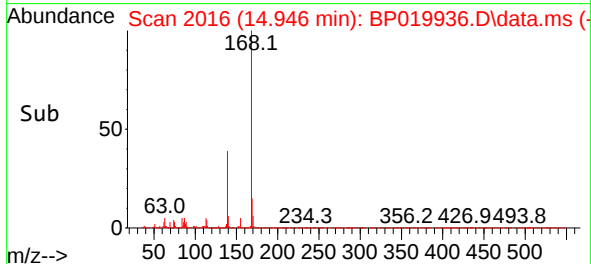
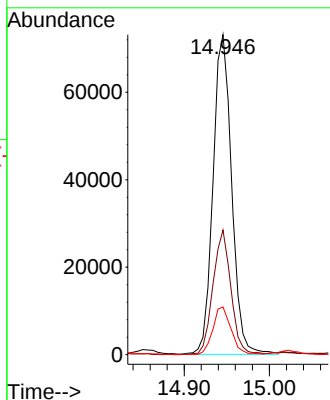
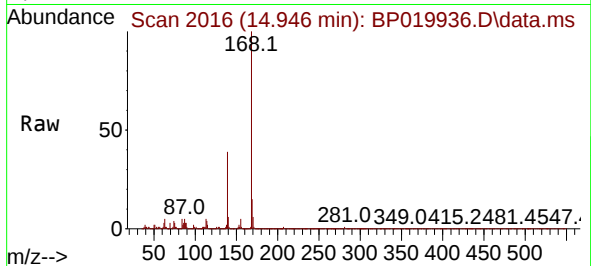




#55
Dibenzenofuran
Concen: 6.549 ng
RT: 14.946 min Scan# 2016
Delta R.T. -0.017 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

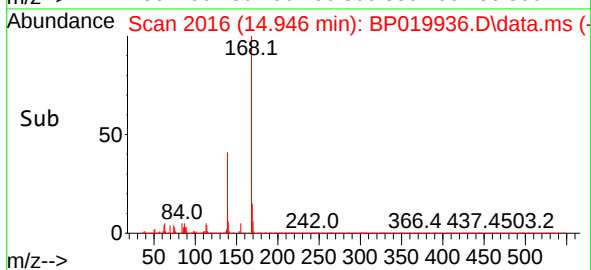
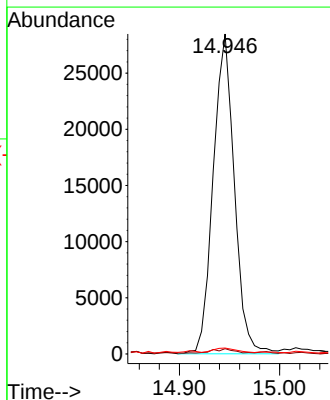
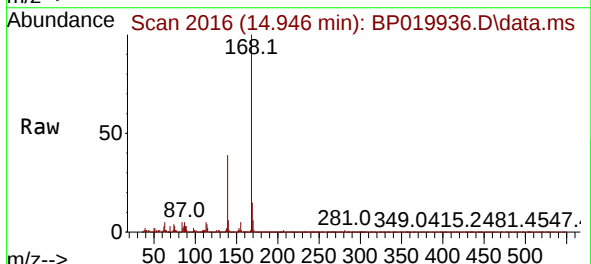
Instrument :
BNA_P
ClientSampleId :
WC-2DL

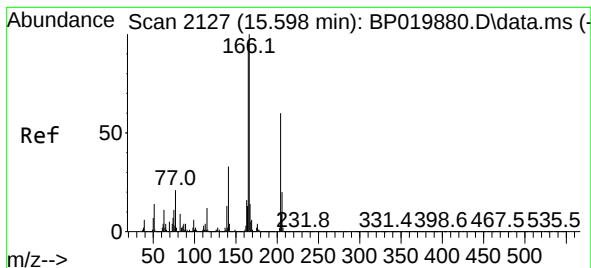
Tgt Ion:168 Resp: 111414
Ion Ratio Lower Upper
168 100
139 38.9 30.6 45.8
169 14.9 10.9 16.3



#56
4-Nitrophenol
Concen: 16.636 ng
RT: 14.946 min Scan# 2016
Delta R.T. 0.136 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

Tgt Ion:139 Resp: 41729
Ion Ratio Lower Upper
139 100
109 1.7 81.3 121.3#
65 1.8 93.5 133.5#





#58

Fluorene

Concen: 11.067 ng

RT: 15.598 min Scan# 2127

Delta R.T. -0.017 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

Instrument :

BNA_P

ClientSampleId :

WC-2DL

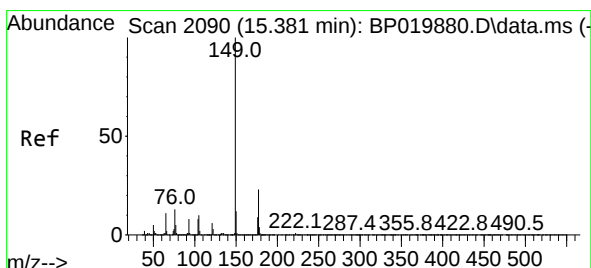
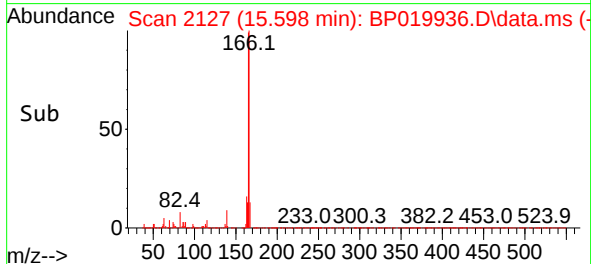
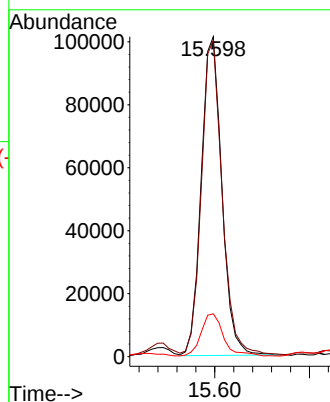
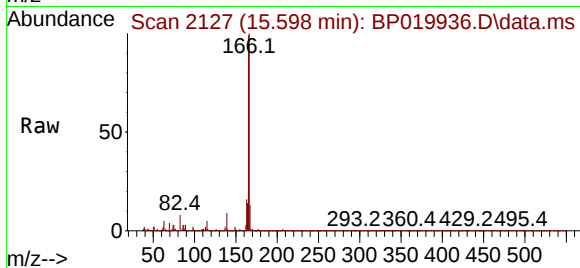
Tgt Ion:166 Resp: 152693

Ion Ratio Lower Upper

166 100

165 98.8 77.8 116.6

167 13.4 10.8 16.2



#60

Diethylphthalate

Concen: 14.215 ng

RT: 15.375 min Scan# 2089

Delta R.T. -0.017 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

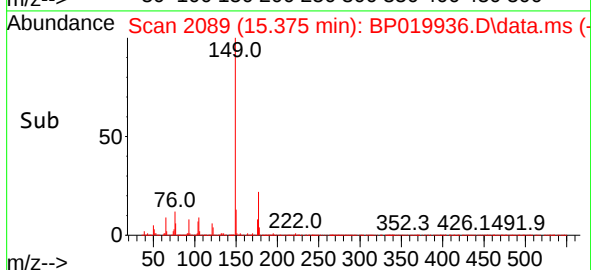
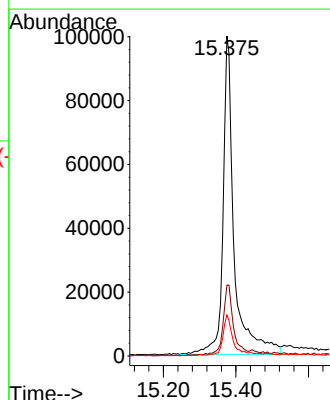
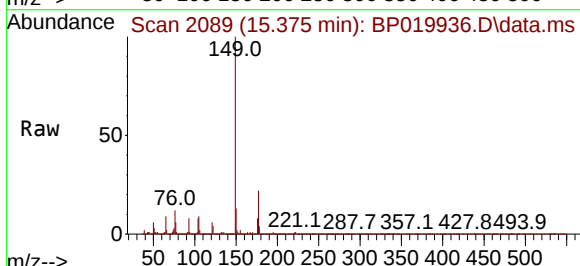
Tgt Ion:149 Resp: 211371

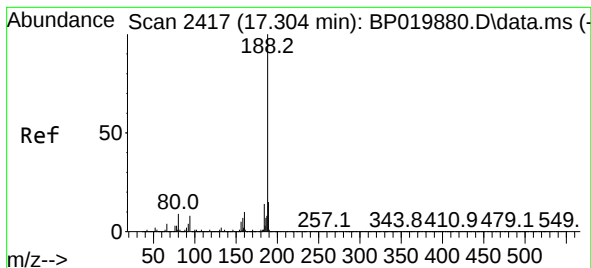
Ion Ratio Lower Upper

149 100

177 22.2 18.4 27.6

150 12.8 9.9 14.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.310 min Scan# 2418

Delta R.T. -0.012 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

Instrument :

BNA_P

ClientSampleId :

WC-2DL

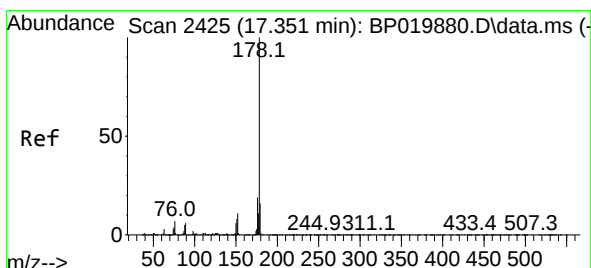
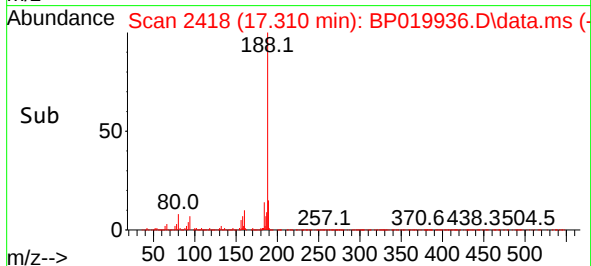
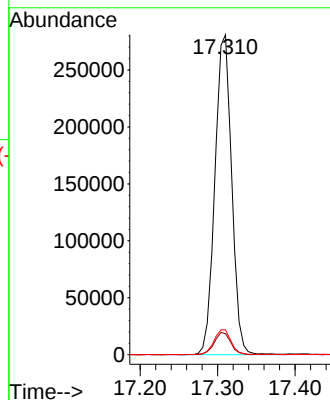
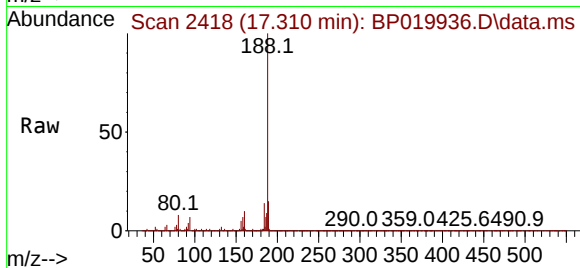
Tgt Ion:188 Resp: 422276

Ion Ratio Lower Upper

188 100

94 6.5 6.2 9.4

80 7.8 7.0 10.4



#71

Phenanthrene

Concen: 51.776 ng

RT: 17.351 min Scan# 2425

Delta R.T. -0.017 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

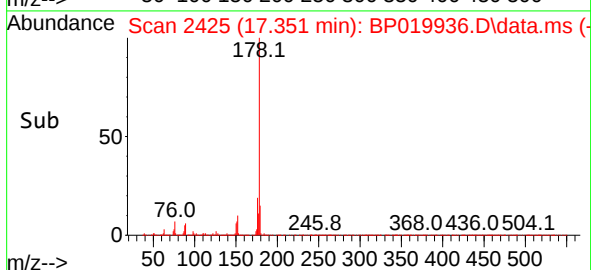
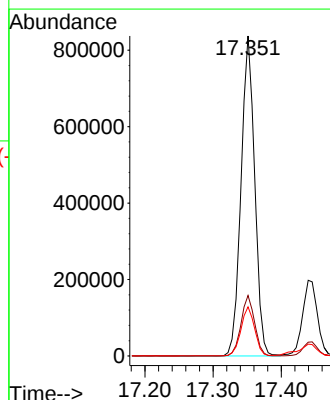
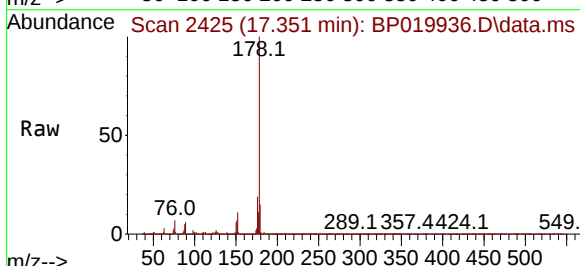
Tgt Ion:178 Resp: 1167030

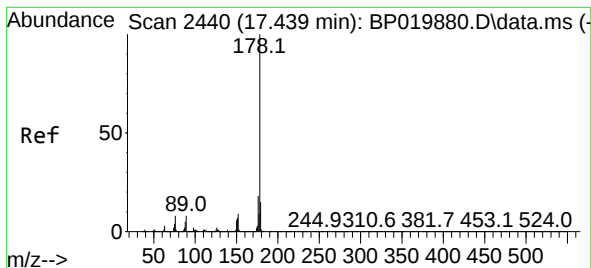
Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

179 15.4 12.5 18.7





#72

Anthracene

Concen: 12.722 ng

RT: 17.440 min Scan# 2440

Delta R.T. -0.017 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

Instrument :

BNA_P

ClientSampleId :

WC-2DL

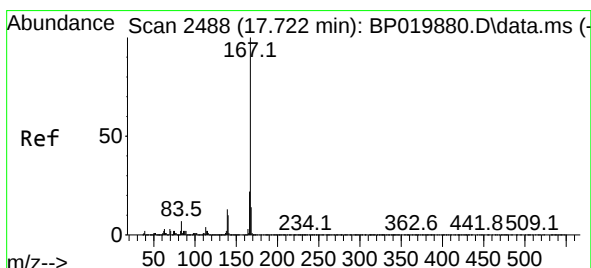
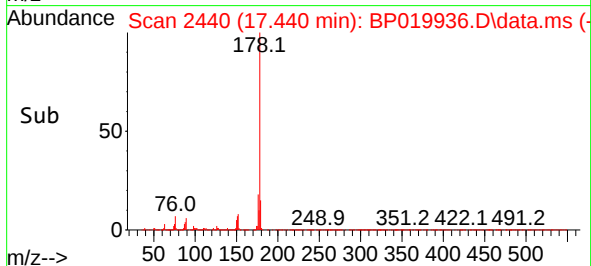
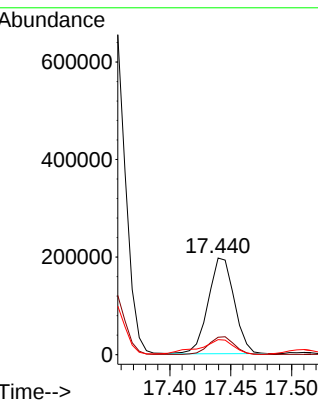
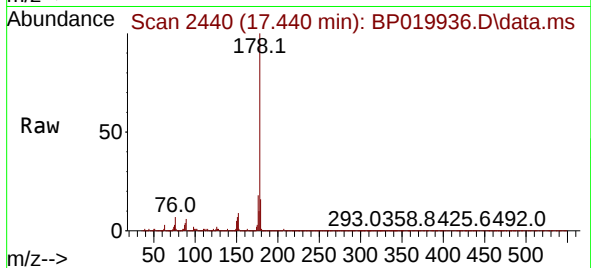
Tgt Ion:178 Resp: 292720

Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

179 15.6 12.2 18.4



#73

Carbazole

Concen: 4.989 ng

RT: 17.722 min Scan# 2488

Delta R.T. -0.017 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

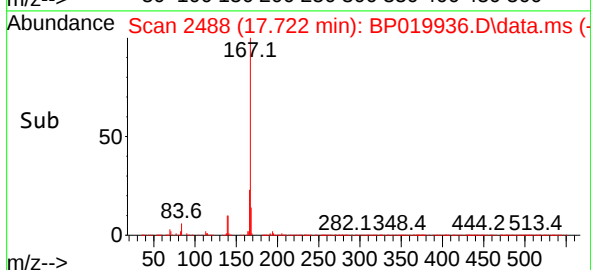
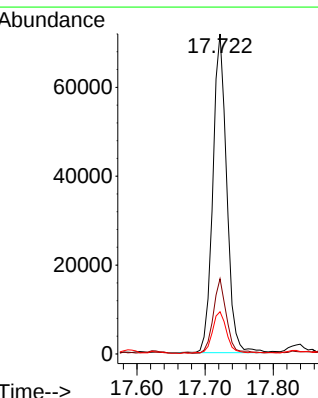
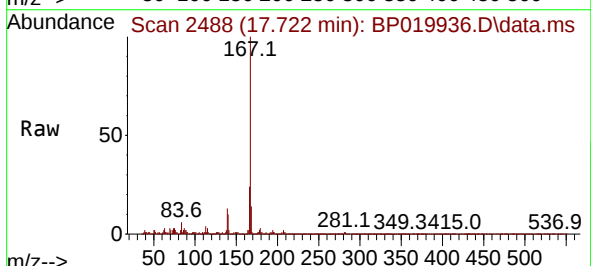
Tgt Ion:167 Resp: 101666

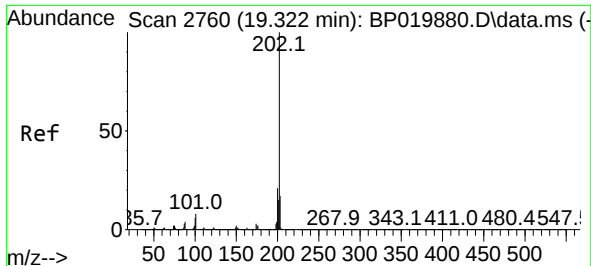
Ion Ratio Lower Upper

167 100

166 23.5 17.3 25.9

139 13.2 10.5 15.7

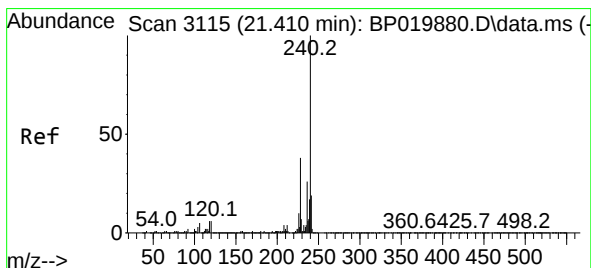
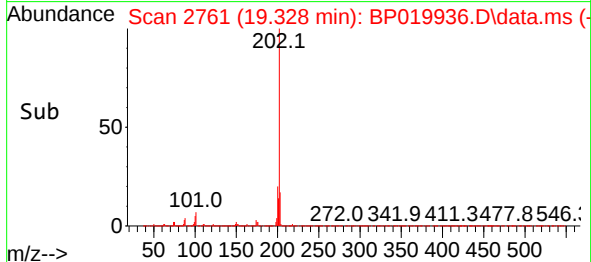
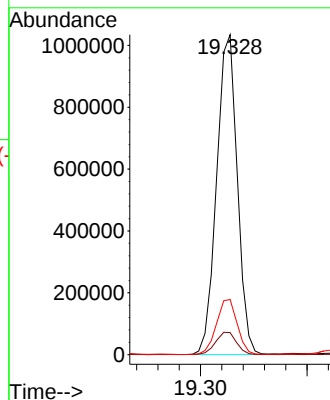
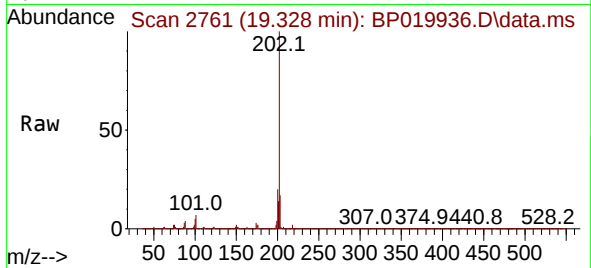




#75
Fluoranthene
Concen: 47.476 ng
RT: 19.328 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

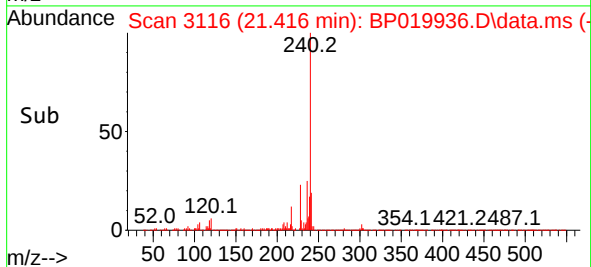
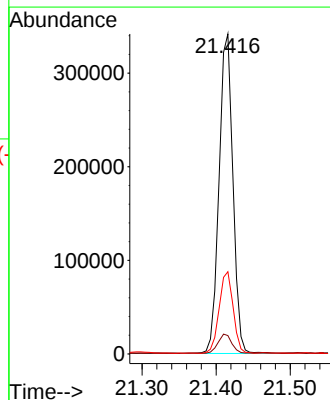
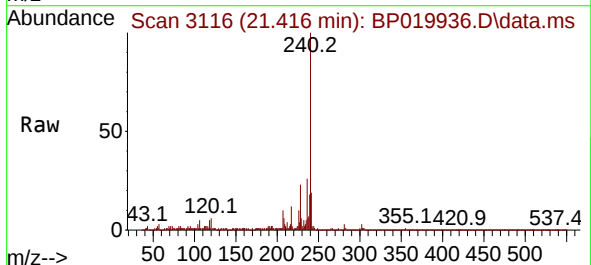
Instrument :
BNA_P
ClientSampleId :
WC-2DL

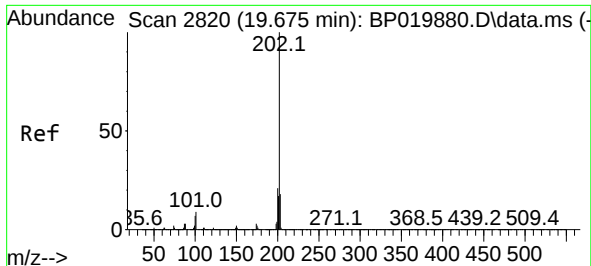
Tgt Ion:202 Resp: 1388757
Ion Ratio Lower Upper
202 100
101 6.9 0.0 27.7
203 17.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.416 min Scan# 3116
Delta R.T. -0.012 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

Tgt Ion:240 Resp: 443515
Ion Ratio Lower Upper
240 100
120 5.8 5.1 7.7
236 25.7 20.5 30.7

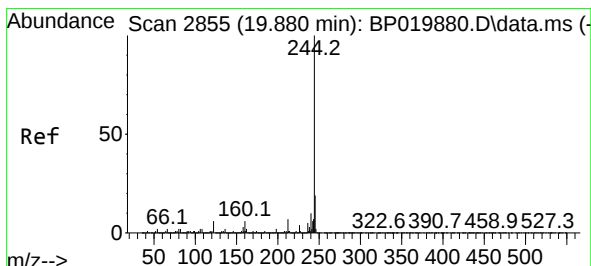
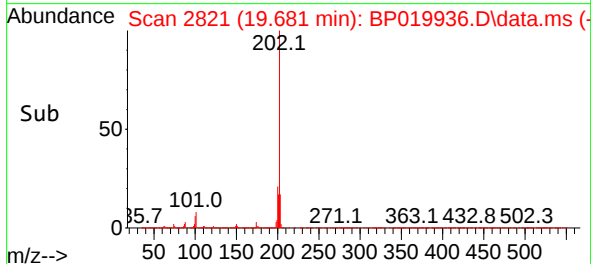
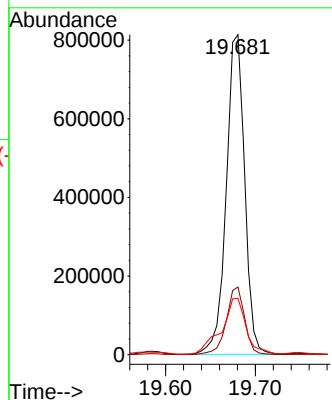
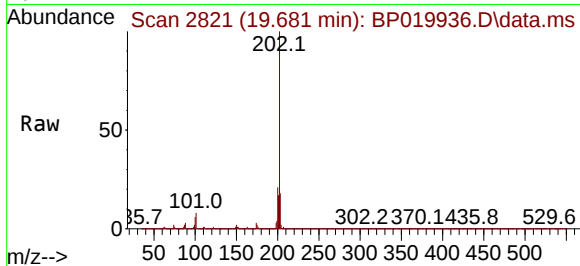




#78
 Pyrene
 Concen: 37.999 ng
 RT: 19.681 min Scan# 2821
 Delta R.T. -0.012 min
 Lab File: BP019936.D
 Acq: 29 Feb 2024 14:35

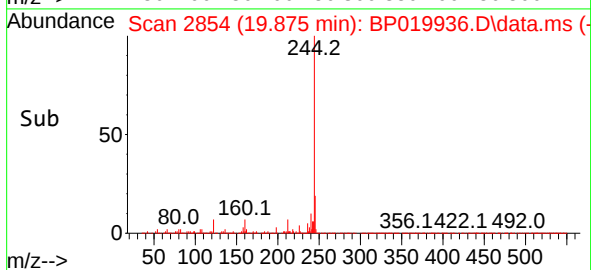
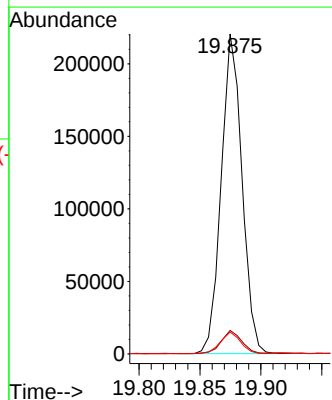
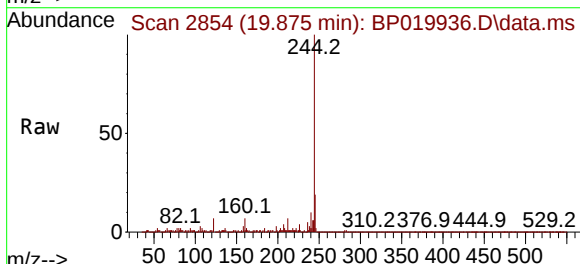
Instrument :
 BNA_P
 ClientSampleId :
 WC-2DL

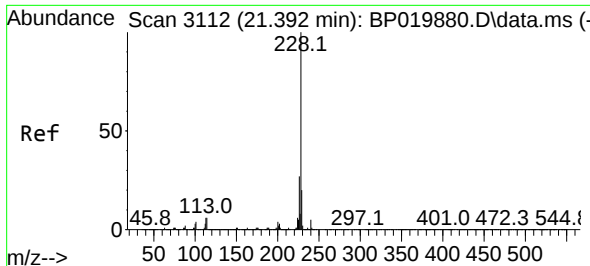
Tgt Ion:202 Resp: 1157911
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.7 25.1
 203 17.6 14.2 21.2



#79
 Terphenyl-d14
 Concen: 9.297 ng
 RT: 19.875 min Scan# 2854
 Delta R.T. -0.017 min
 Lab File: BP019936.D
 Acq: 29 Feb 2024 14:35

Tgt Ion:244 Resp: 261601
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 6.8 5.0 7.6

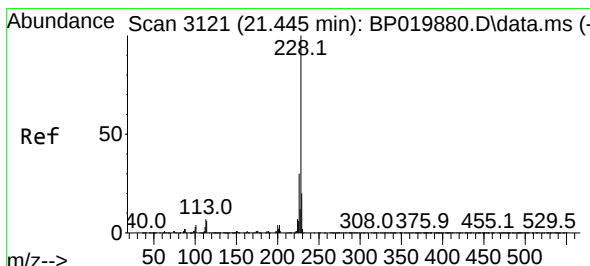
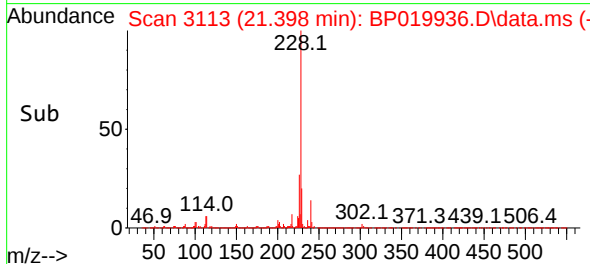
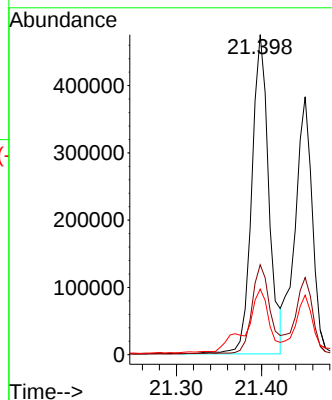
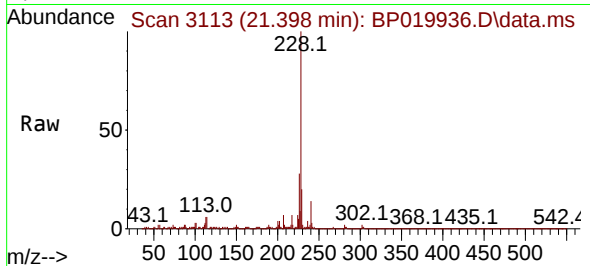




#81
Benzo(a)anthracene
Concen: 20.988 ng
RT: 21.398 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

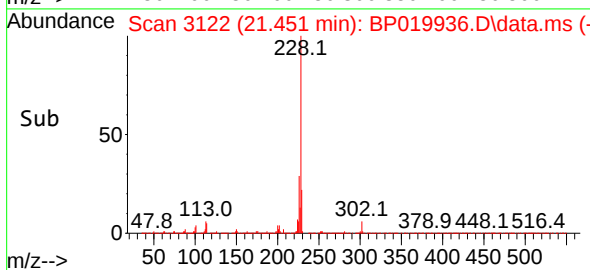
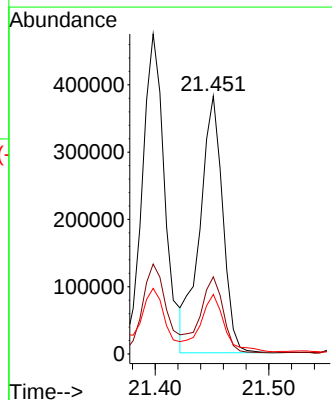
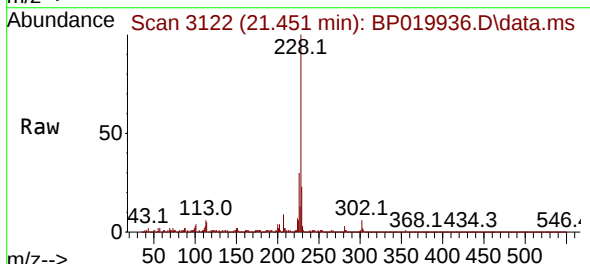
Instrument :
BNA_P
ClientSampleId :
WC-2DL

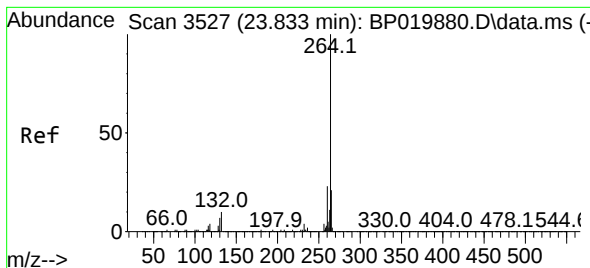
Tgt Ion:228 Resp: 660736
Ion Ratio Lower Upper
228 100
226 28.1 21.5 32.3
229 20.5 15.6 23.4



#83
Chrysene
Concen: 18.136 ng
RT: 21.451 min Scan# 3122
Delta R.T. -0.017 min
Lab File: BP019936.D
Acq: 29 Feb 2024 14:35

Tgt Ion:228 Resp: 535013
Ion Ratio Lower Upper
228 100
226 29.9 23.9 35.9
229 23.1 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.845 min Scan# 3

Delta R.T. -0.023 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

Instrument :

BNA_P

ClientSampleId :

WC-2DL

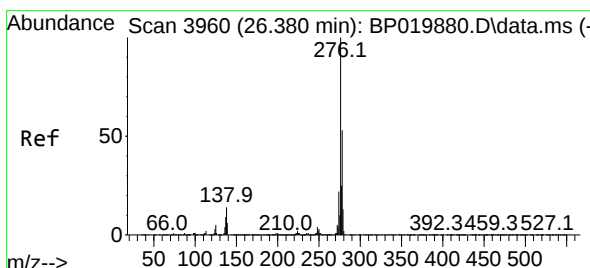
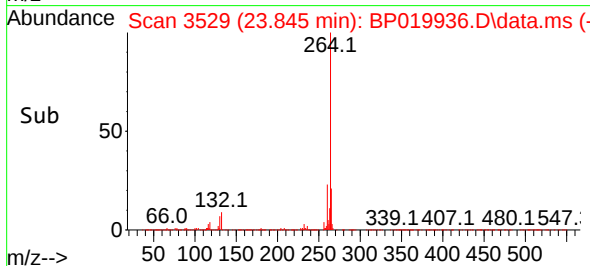
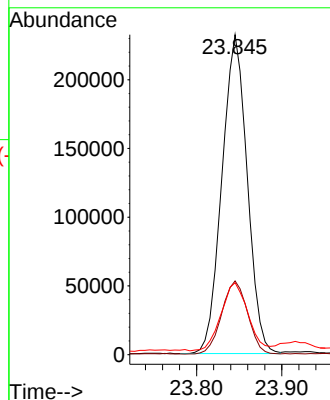
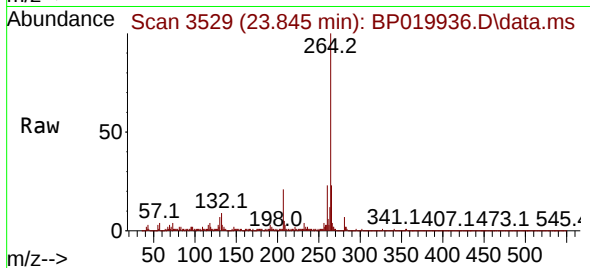
Tgt Ion:264 Resp: 478654

Ion Ratio Lower Upper

264 100

260 23.1 18.7 28.1

265 22.5 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.544 ng

RT: 26.392 min Scan# 3962

Delta R.T. -0.053 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

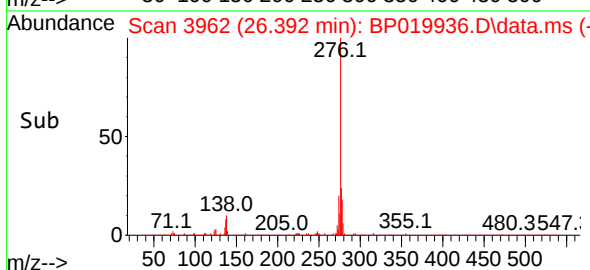
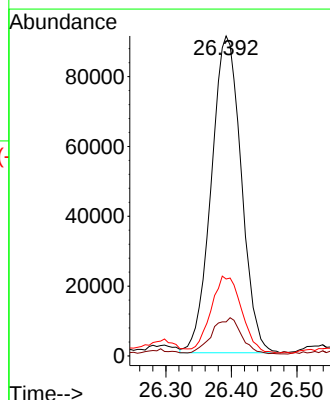
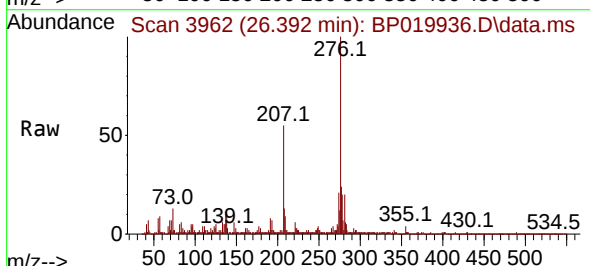
Tgt Ion:276 Resp: 287896

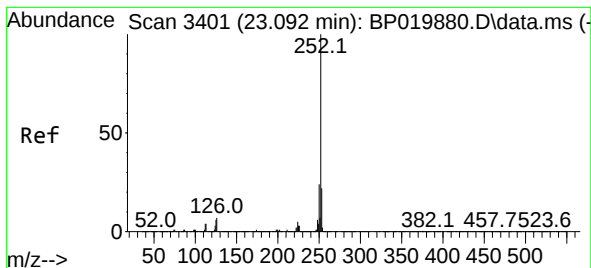
Ion Ratio Lower Upper

276 100

138 11.2 11.7 17.5#

277 24.8 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 24.065 ng

RT: 23.104 min Scan# 3403

Delta R.T. -0.017 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

Instrument :

BNA_P

ClientSampleId :

WC-2DL

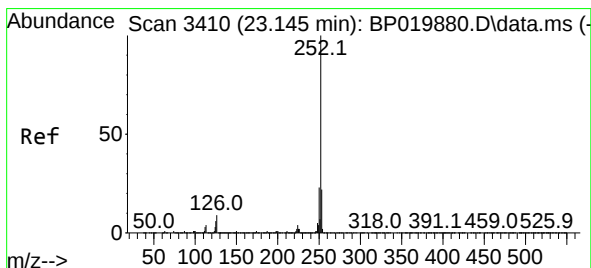
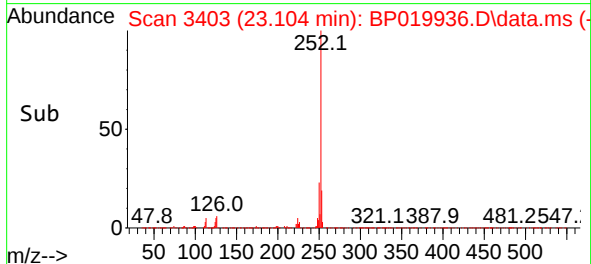
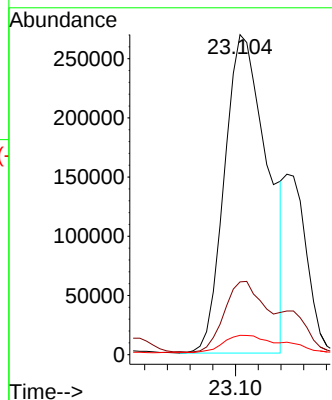
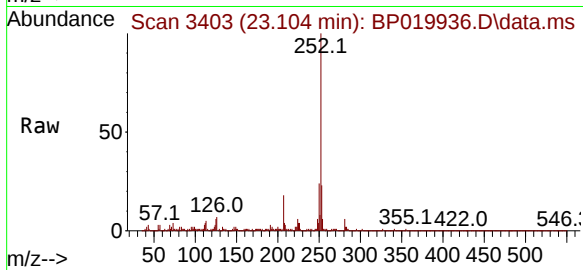
Tgt Ion:252 Resp: 706193

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 6.1 4.6 7.0



#89

Benzo(k)fluoranthene

Concen: 24.537 ng

RT: 23.104 min Scan# 3403

Delta R.T. -0.070 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

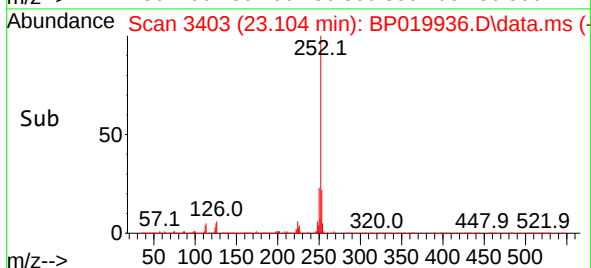
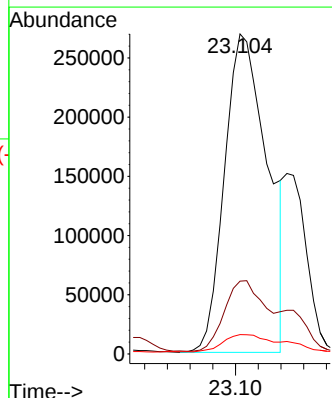
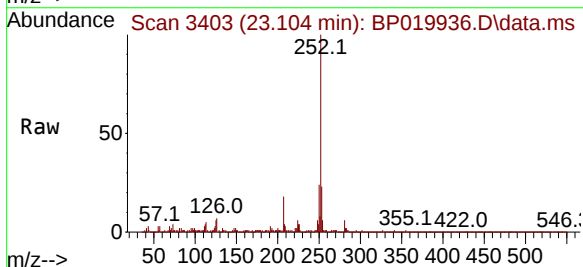
Tgt Ion:252 Resp: 706193

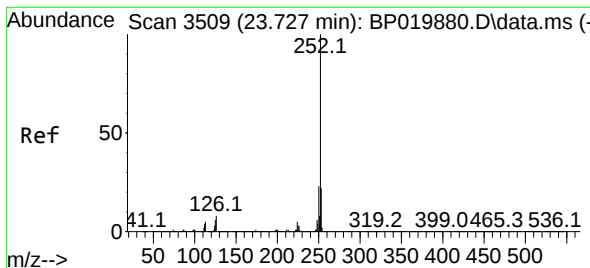
Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 6.1 4.6 6.8





#90

Benzo(a)pyrene

Concen: 17.786 ng

RT: 23.739 min Scan# 3511

Delta R.T. -0.023 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

Instrument :

BNA_P

ClientSampleId :

WC-2DL

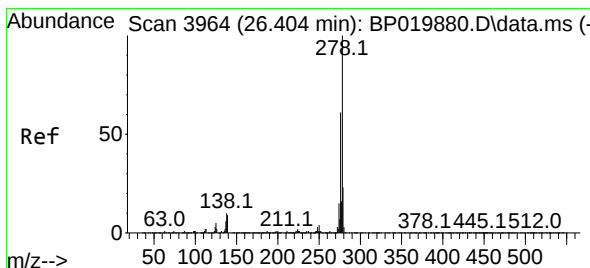
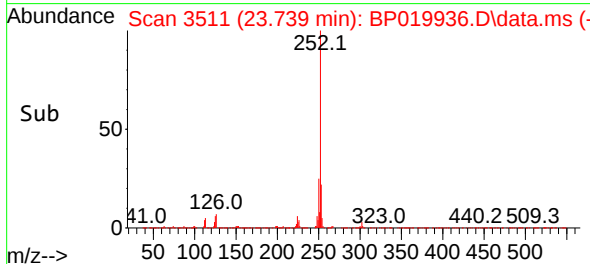
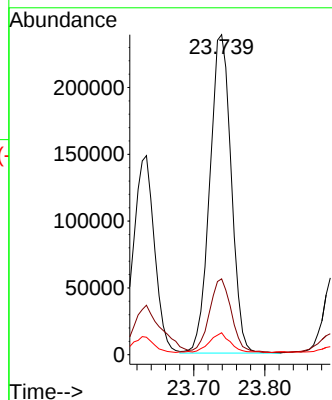
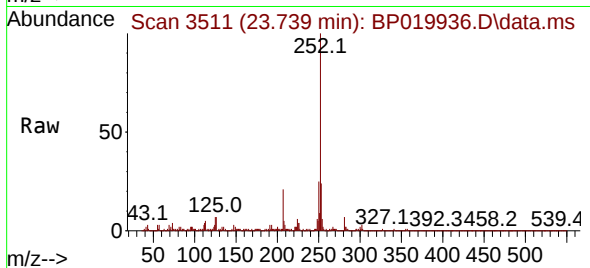
Tgt Ion:252 Resp: 498795

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 6.8 5.2 7.8



#91

Dibenzo(a,h)anthracene

Concen: 2.663 ng

RT: 26.410 min Scan# 3965

Delta R.T. -0.053 min

Lab File: BP019936.D

Acq: 29 Feb 2024 14:35

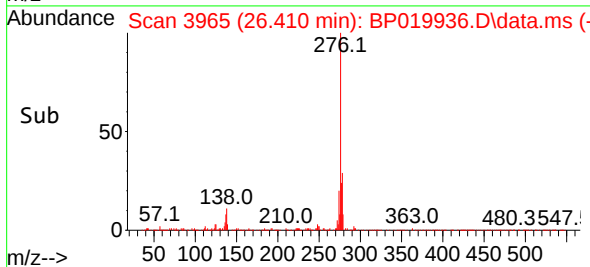
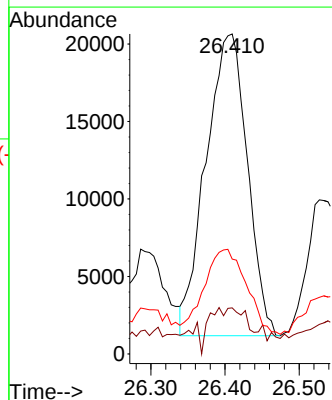
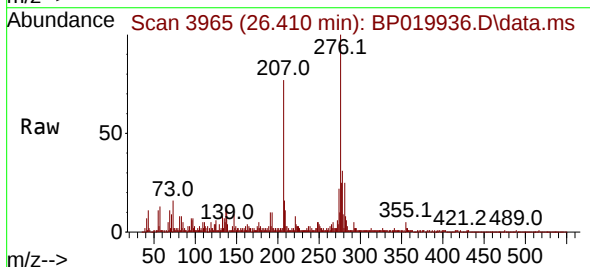
Tgt Ion:278 Resp: 75450

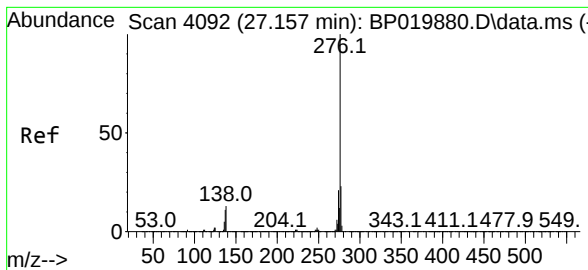
Ion Ratio Lower Upper

278 100

139 14.4 7.4 11.0#

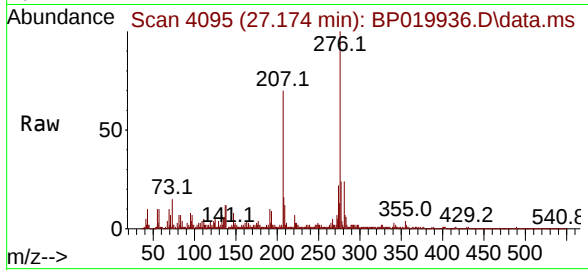
279 29.7 18.7 28.1#





#92
 Benzo(g,h,i)perylene
 Concen: 9.364 ng
 RT: 27.174 min Scan# 4095
 Delta R.T. -0.053 min
 Lab File: BP019936.D
 Acq: 29 Feb 2024 14:35

Instrument :
 BNA_P
 ClientSampleId :
 WC-2DL



Tgt Ion: 276 Resp: 256066

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.5	27.7
138	11.7	10.2	15.2

