

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061424\
 Data File : BP020627.D
 Acq On : 14 Jun 2024 16:04
 Operator : MA/JU
 Sample : P2889-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WCS-TPJ

Quant Time: Jun 14 16:33:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 30 03:41:03 2024
 Response via : Initial Calibration

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

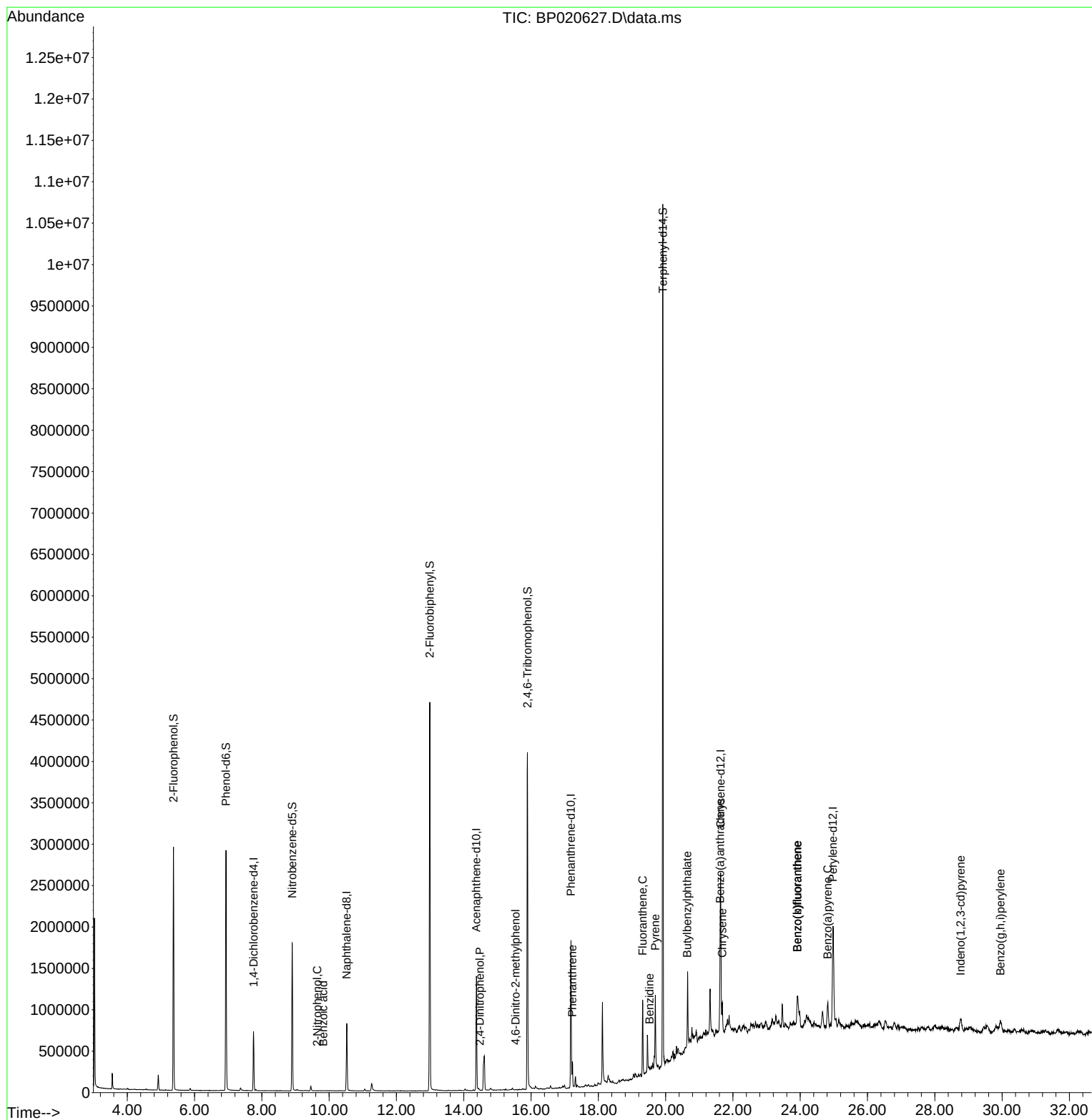
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.752	152	194064	20.000	ng	-0.02
21) Naphthalene-d8	10.522	136	748510	20.000	ng	-0.01
39) Acenaphthene-d10	14.375	164	520827	20.000	ng	-0.02
64) Phenanthrene-d10	17.187	188	1175688	20.000	ng	-0.02
76) Chrysene-d12	21.633	240	1134752	20.000	ng	-0.04
86) Perylene-d12	24.974	264	1338750	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	1335853	123.247	ng	0.00
7) Phenol-d6	6.934	99	1717204	112.342	ng	0.00
23) Nitrobenzene-d5	8.899	82	1028446	75.212	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	920889	170.372	ng	-0.02
45) 2-Fluorobiphenyl	12.993	172	2728438	78.094	ng	-0.01
79) Terphenyl-d14	19.916	244	5013373	73.548	ng	-0.03
Target Compounds						Qvalue
26) 2-Nitrophenol	9.646	139	71	3.803	ng	# 1
32) Benzoic acid	9.822	122	290	6.881	ng	# 23
54) 2,4-Dinitrophenol	14.481	184	30	4.985	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.540	198	66	7.664	ng	# 1
71) Phenanthrene	17.228	178	174704	3.023	ng	98
75) Fluoranthene	19.316	202	571554	8.359	ng	100
77) Benzidine	19.522	184	439	5.980	ng	# 1
78) Pyrene	19.692	202	535944	6.279	ng	99
80) Butylbenzylphthalate	20.645	149	2801	2.508	ng	# 50
81) Benzo(a)anthracene	21.616	228	308400	4.128	ng	96
83) Chrysene	21.686	228	289828	4.117	ng	97
87) Indeno(1,2,3-cd)pyrene	28.768	276	249107	3.060	ng	# 94
88) Benzo(b)fluoranthene	23.916	252	454785	5.453	ng	94
89) Benzo(k)fluoranthene	23.916	252	454785	5.591	ng	# 94
90) Benzo(a)pyrene	24.816	252	335795	4.862	ng	95
92) Benzo(g,h,i)perylene	29.951	276	250235	3.687	ng	96

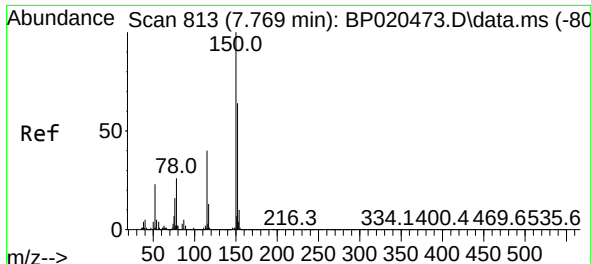
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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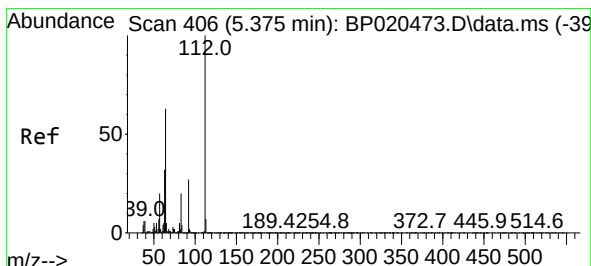
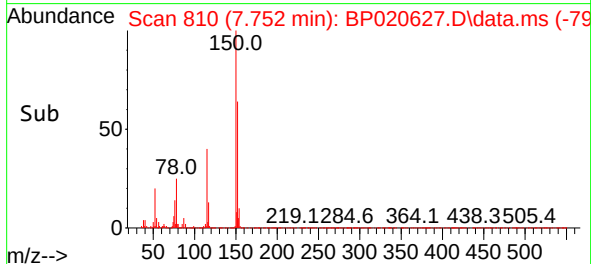
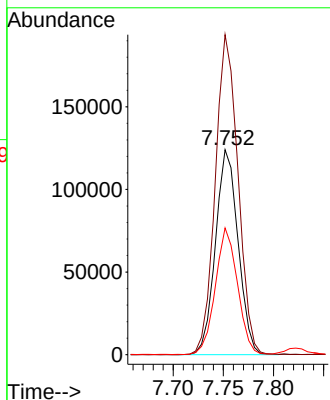
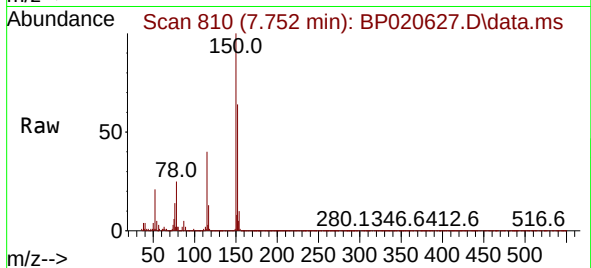




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.752 min Scan# 813
Delta R.T. -0.017 min
Lab File: BP020627.D
Acq: 14 Jun 2024 16:04

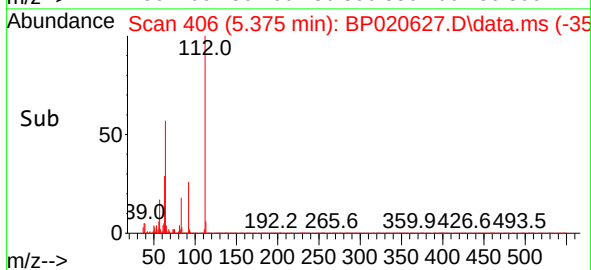
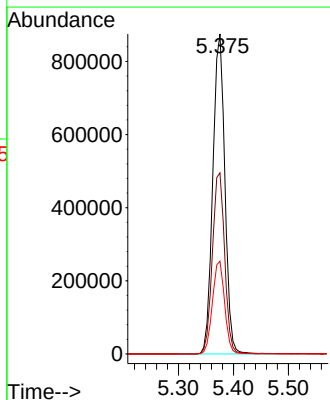
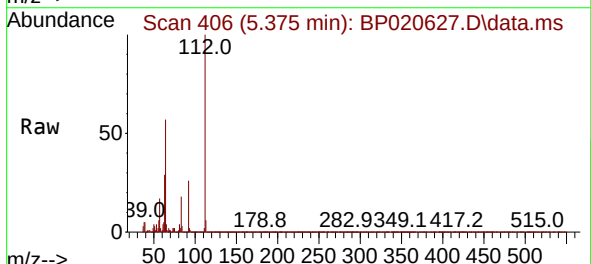
Instrument :
BNA_P
ClientSampleId :
WCS-TPJ

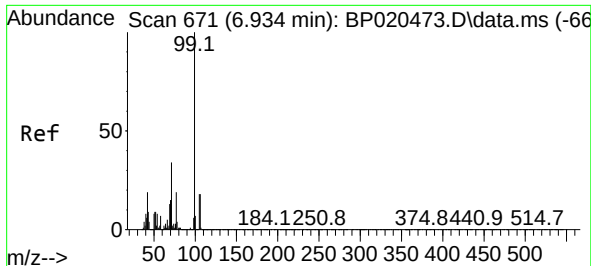
Tgt Ion:152 Resp: 194064
Ion Ratio Lower Upper
152 100
150 156.1 124.2 186.2
115 61.8 49.5 74.3



#5
2-Fluorophenol
Concen: 123.247 ng
RT: 5.375 min Scan# 406
Delta R.T. 0.000 min
Lab File: BP020627.D
Acq: 14 Jun 2024 16:04

Tgt Ion:112 Resp: 1335853
Ion Ratio Lower Upper
112 100
64 56.6 50.1 75.1
63 29.0 25.7 38.5



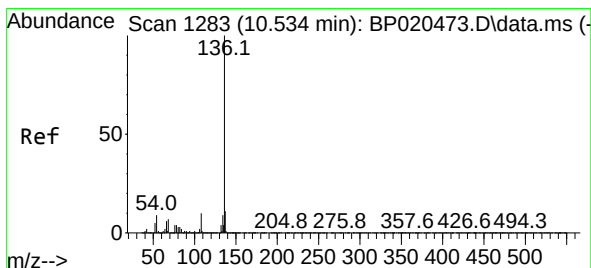
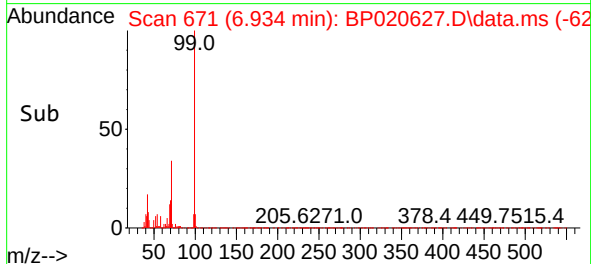
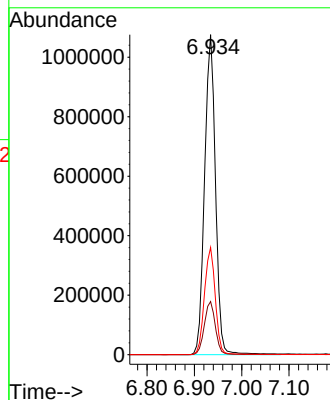
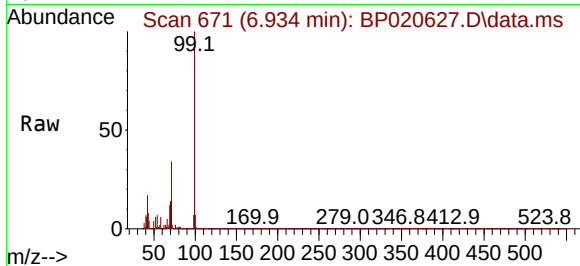


#7
Phenol-d6
Concen: 112.342 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP020627.D
Acq: 14 Jun 2024 16:04

Instrument :
BNA_P
ClientSampleId :
WCS-TPJ

Tgt Ion: 99 Resp: 1717204

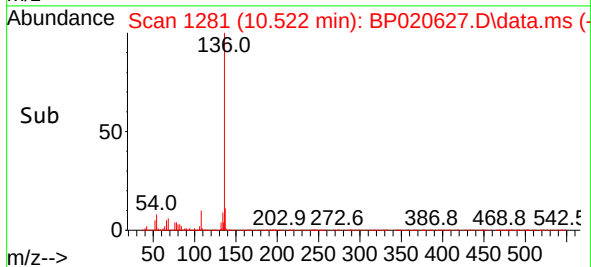
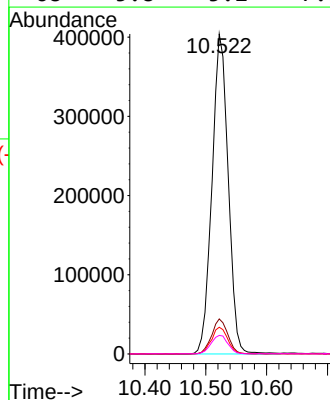
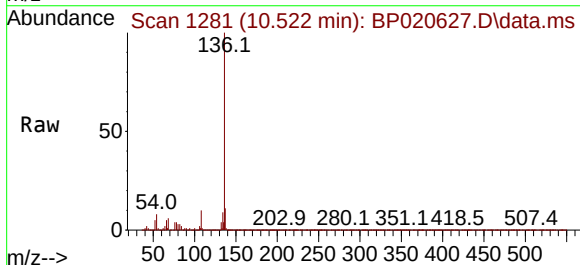
Ion	Ratio	Lower	Upper
99	100		
42	16.6	15.0	22.4
71	33.5	27.3	40.9

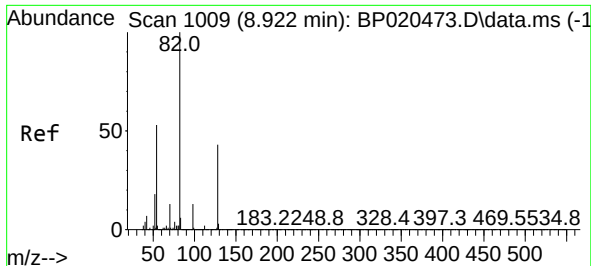


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.522 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BP020627.D
Acq: 14 Jun 2024 16:04

Tgt Ion: 136 Resp: 748510

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	8.4	7.4	11.0
68	5.8	5.2	7.8

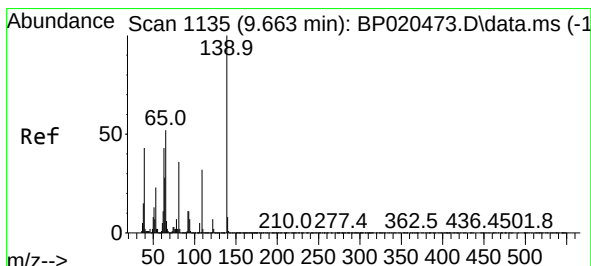
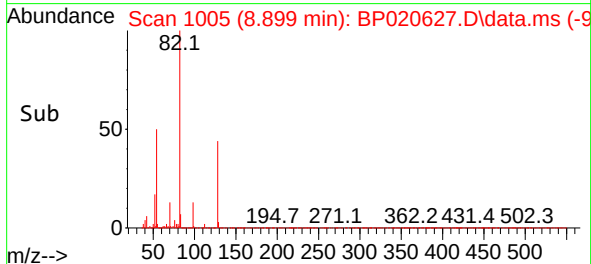
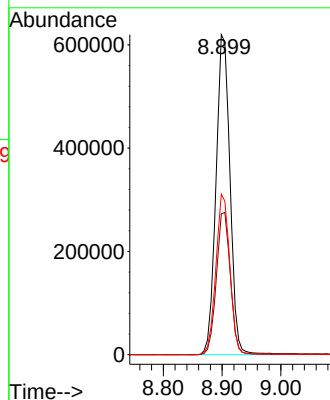
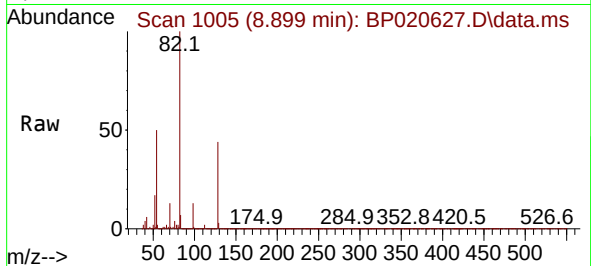




#23
Nitrobenzene-d5
Concen: 75.212 ng
RT: 8.899 min Scan# 1005
Delta R.T. -0.023 min
Lab File: BP020627.D
Acq: 14 Jun 2024 16:04

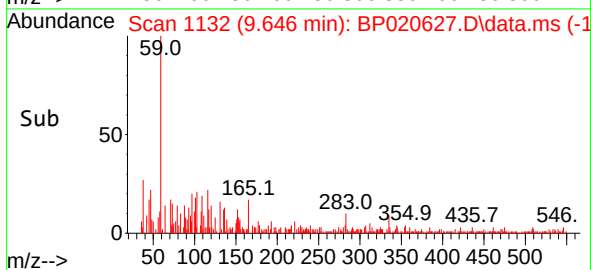
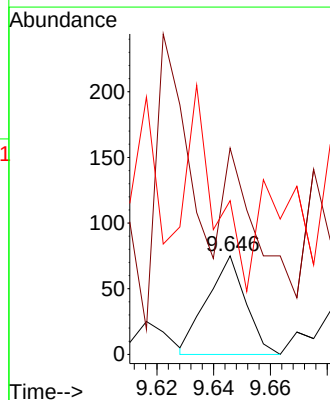
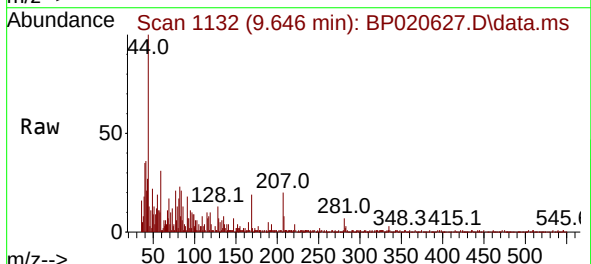
Instrument :
BNA_P
ClientSampleId :
WCS-TPJ

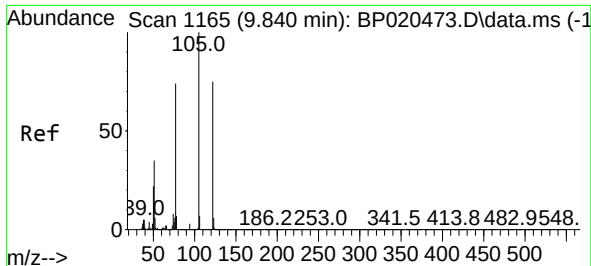
Tgt Ion: 82 Resp: 1028446
Ion Ratio Lower Upper
82 100
128 44.0 34.2 51.4
54 50.2 42.7 64.1



#26
2-Nitrophenol
Concen: 3.803 ng
RT: 9.646 min Scan# 1132
Delta R.T. -0.017 min
Lab File: BP020627.D
Acq: 14 Jun 2024 16:04

Tgt Ion:139 Resp: 71
Ion Ratio Lower Upper
139 100
109 209.3 25.8 38.8#
65 156.0 41.8 62.8#

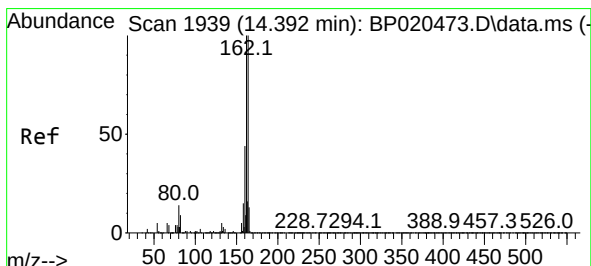
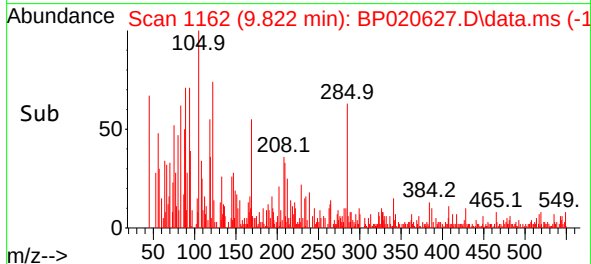
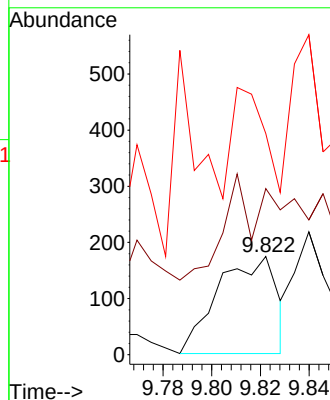
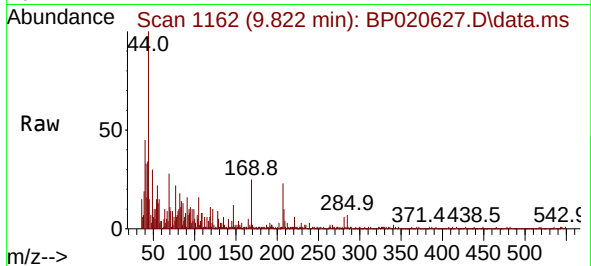




#32
Benzoic acid
Concen: 6.881 ng
RT: 9.822 min Scan# 1165
Delta R.T. -0.018 min
Lab File: BP020627.D
Acq: 14 Jun 2024 16:04

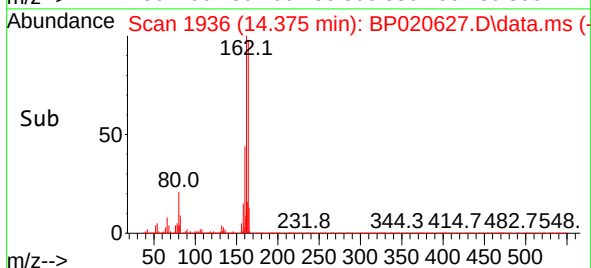
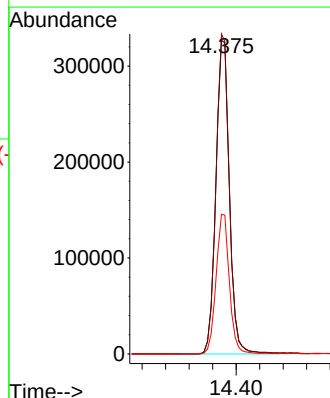
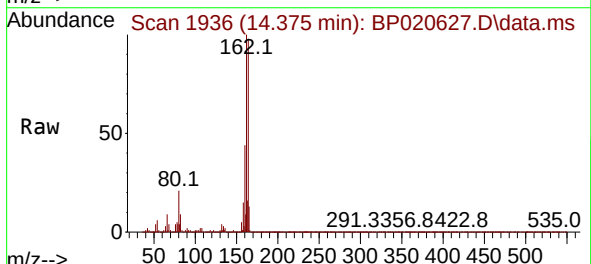
Instrument :
BNA_P
ClientSampleId :
WCS-TPJ

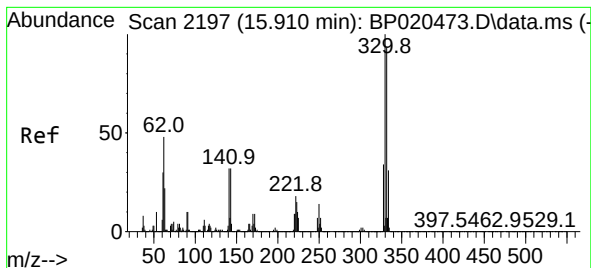
Tgt Ion:122 Resp: 290
Ion Ratio Lower Upper
122 100
105 169.1 107.5 147.5#
77 225.1 76.1 116.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1936
Delta R.T. -0.017 min
Lab File: BP020627.D
Acq: 14 Jun 2024 16:04

Tgt Ion:164 Resp: 520827
Ion Ratio Lower Upper
164 100
162 102.0 80.3 120.5
160 44.5 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 170.372 ng

RT: 15.892 min Scan# 2197

Delta R.T. -0.018 min

Lab File: BP020627.D

Acq: 14 Jun 2024 16:04

Instrument :

BNA_P

ClientSampleId :

WCS-TPJ

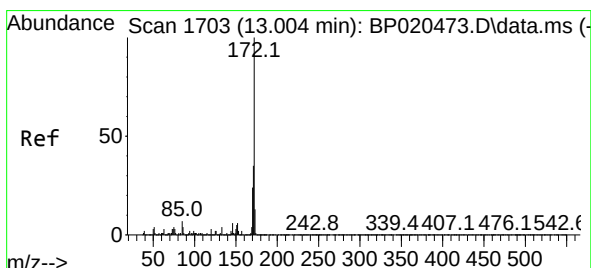
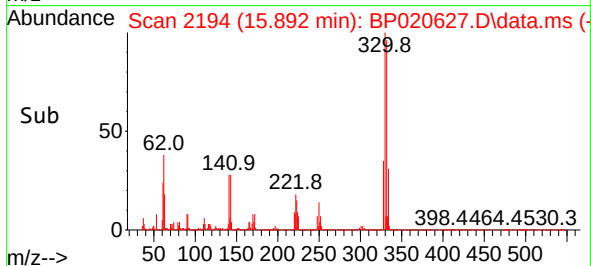
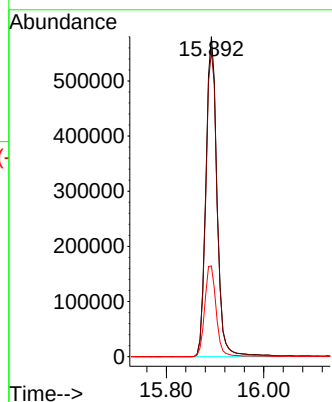
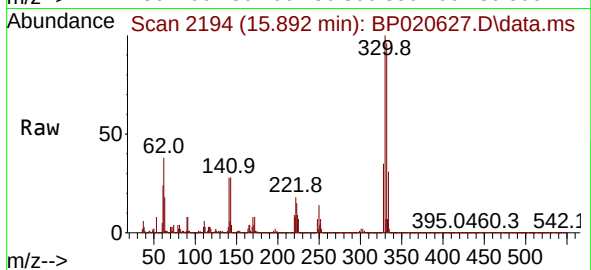
Tgt Ion:330 Resp: 920889

Ion Ratio Lower Upper

330 100

332 97.1 76.6 114.8

141 28.9 27.1 40.7



#45

2-Fluorobiphenyl

Concen: 78.094 ng

RT: 12.993 min Scan# 1701

Delta R.T. -0.012 min

Lab File: BP020627.D

Acq: 14 Jun 2024 16:04

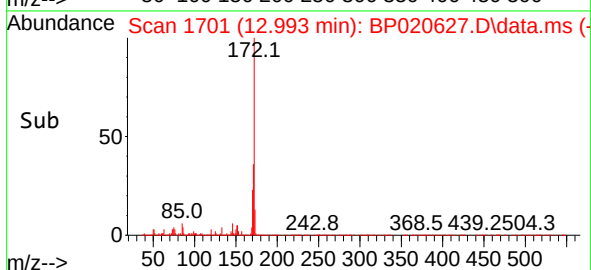
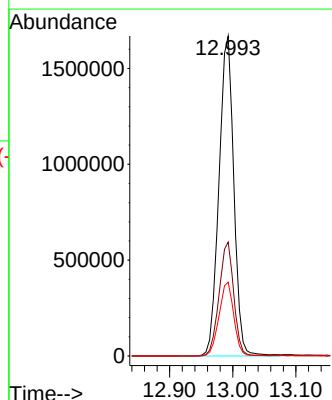
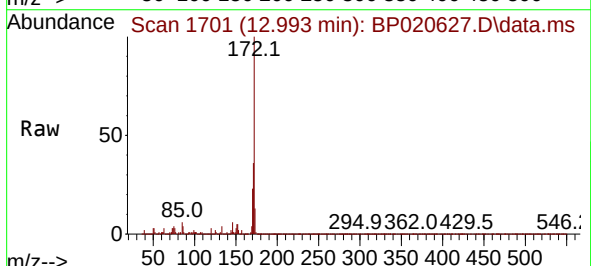
Tgt Ion:172 Resp: 2728438

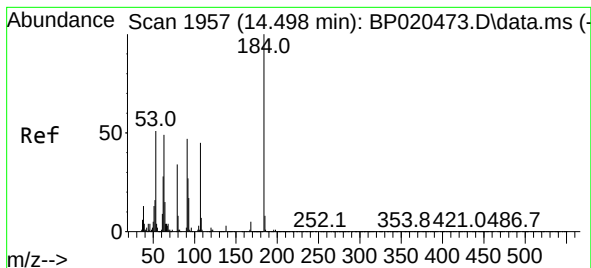
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.1 18.9 28.3

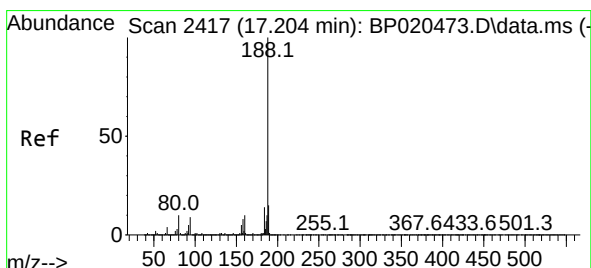
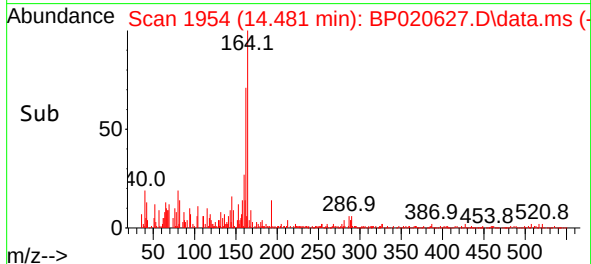
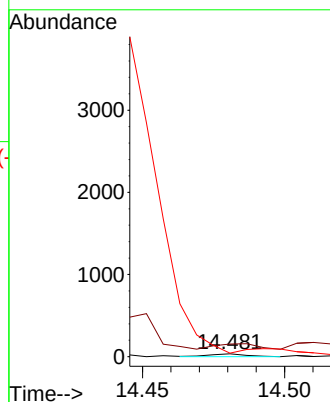
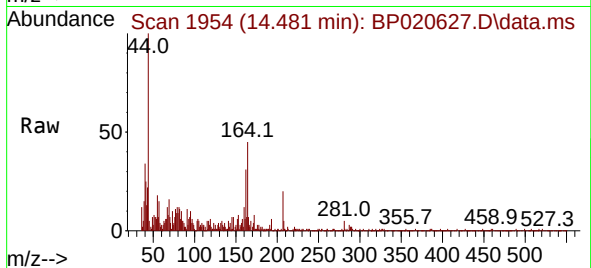




#54
2,4-Dinitrophenol
Concen: 4.985 ng
RT: 14.481 min Scan# 1954
Delta R.T. -0.017 min
Lab File: BP020627.D
Acq: 14 Jun 2024 16:04

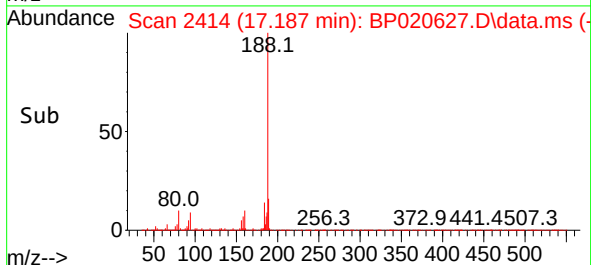
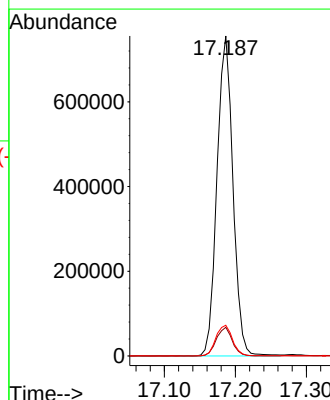
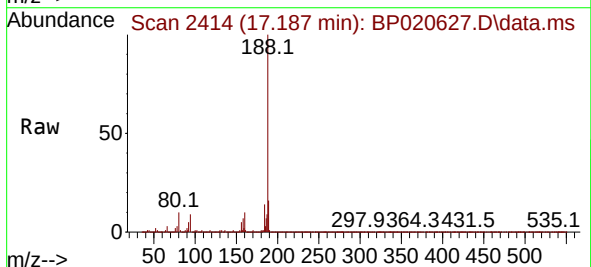
Instrument :
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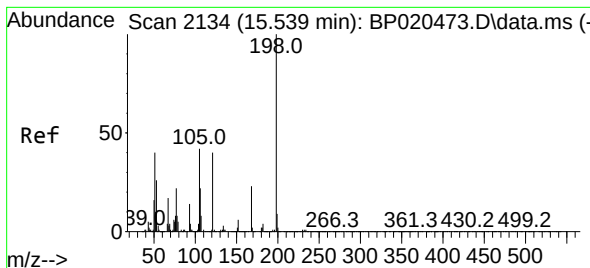
Tgt Ion:184 Resp: 30
Ion Ratio Lower Upper
184 100
63 452.9 54.2 81.4#
154 123.5 51.0 76.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.187 min Scan# 2414
Delta R.T. -0.018 min
Lab File: BP020627.D
Acq: 14 Jun 2024 16:04

Tgt Ion:188 Resp: 1175688
Ion Ratio Lower Upper
188 100
94 8.9 7.2 10.8
80 9.6 8.1 12.1

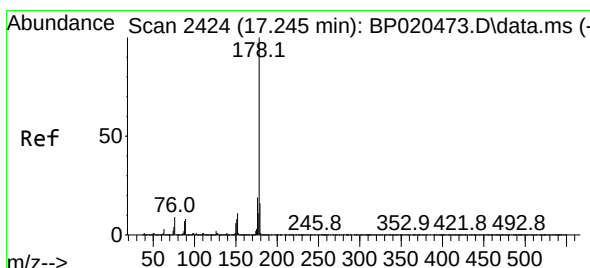
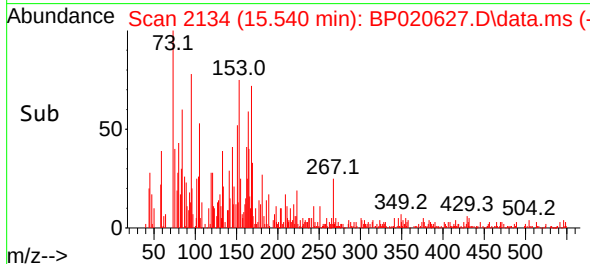
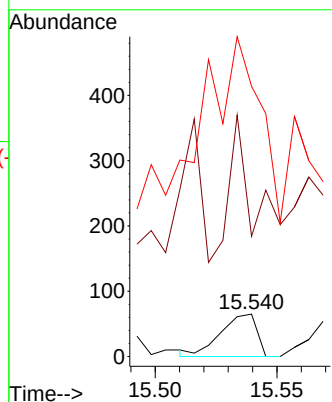
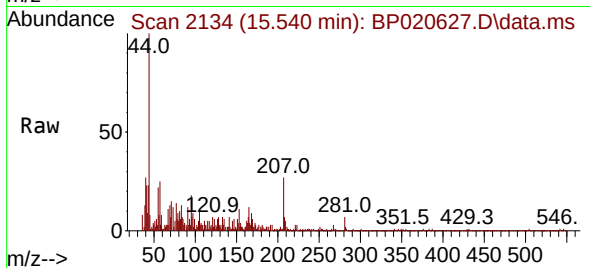




#65
4,6-Dinitro-2-methylphenol
Concen: 7.664 ng
RT: 15.540 min Scan# 2134
Delta R.T. 0.001 min
Lab File: BP020627.D
Acq: 14 Jun 2024 16:04

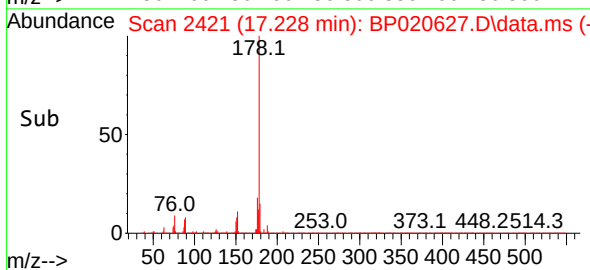
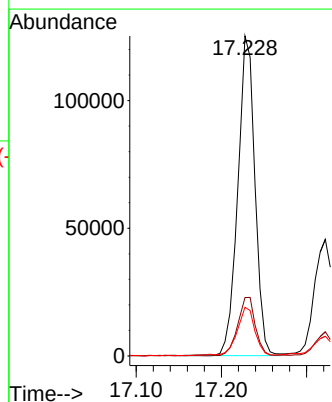
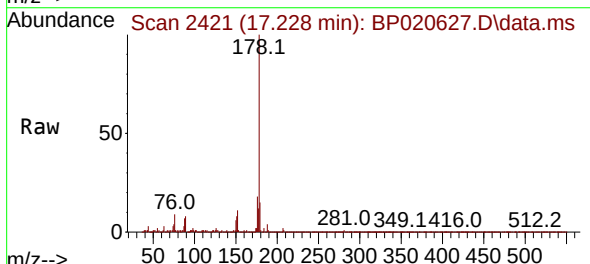
Instrument :
BNA_P
ClientSampleId :
WCS-TPJ

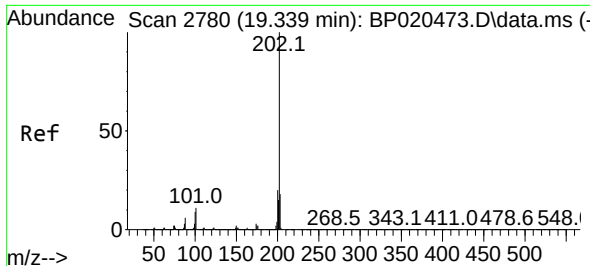
Tgt Ion:198 Resp: 66
Ion Ratio Lower Upper
198 100
51 283.1 24.8 64.8#
105 636.9 23.2 63.2#



#71
Phenanthrene
Concen: 3.023 ng
RT: 17.228 min Scan# 2421
Delta R.T. -0.018 min
Lab File: BP020627.D
Acq: 14 Jun 2024 16:04

Tgt Ion:178 Resp: 174704
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 15.2 12.5 18.7

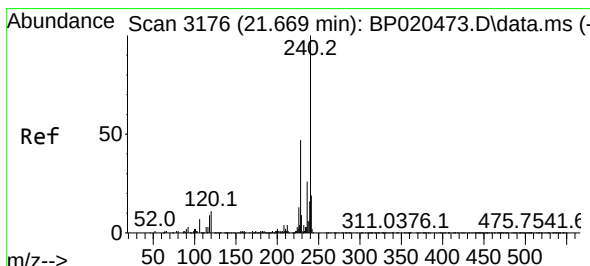
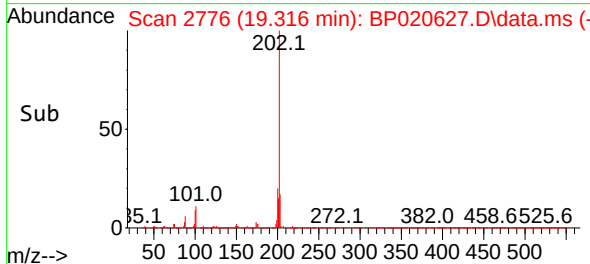
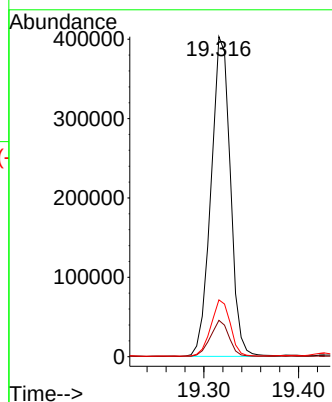
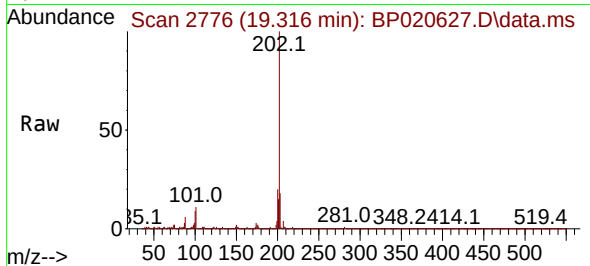




#75
Fluoranthene
Concen: 8.359 ng
RT: 19.316 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP020627.D
Acq: 14 Jun 2024 16:04

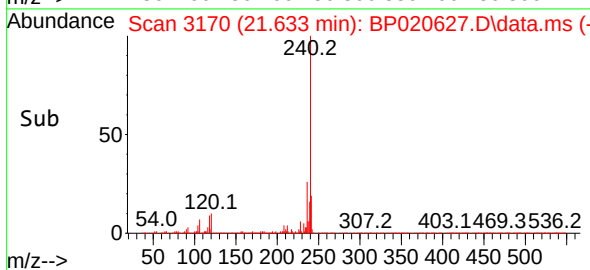
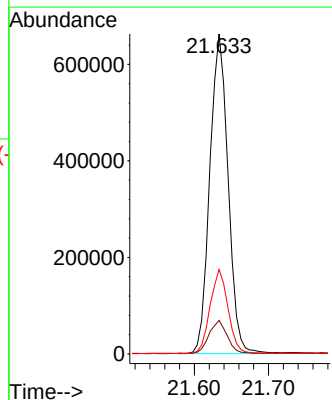
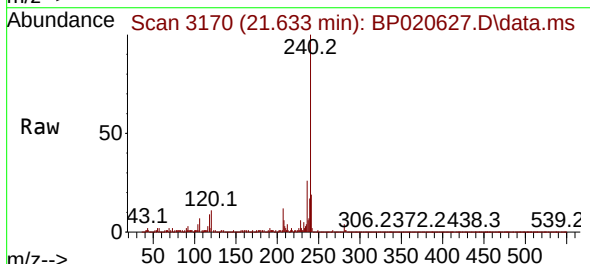
Instrument :
BNA_P
ClientSampleId :
WCS-TPJ

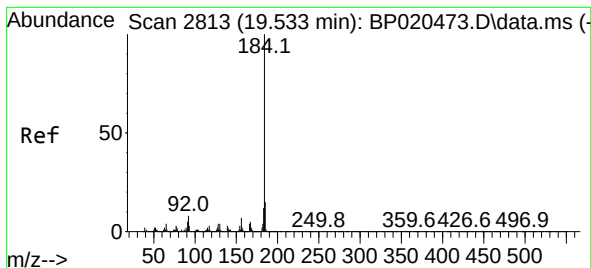
Tgt Ion:202 Resp: 571554
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.4
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.633 min Scan# 3170
Delta R.T. -0.035 min
Lab File: BP020627.D
Acq: 14 Jun 2024 16:04

Tgt Ion:240 Resp: 1134752
Ion Ratio Lower Upper
240 100
120 10.5 8.5 12.7
236 26.4 20.5 30.7





#77

Benzidine

Concen: 5.980 ng

RT: 19.522 min Scan# 2811

Delta R.T. -0.011 min

Lab File: BP020627.D

Acq: 14 Jun 2024 16:04

Instrument :

BNA_P

ClientSampleId :

WCS-TPJ

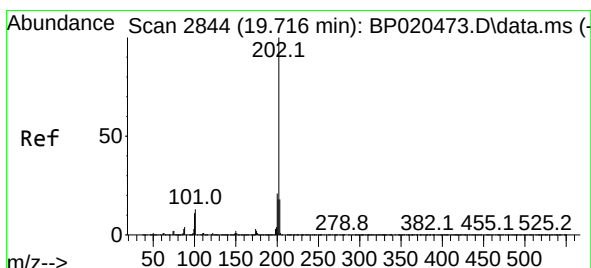
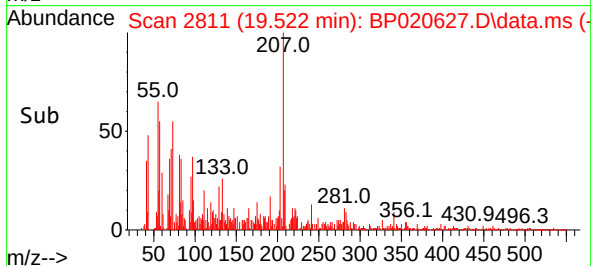
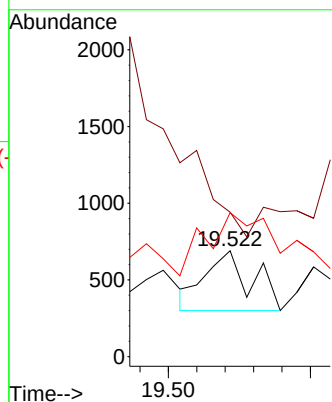
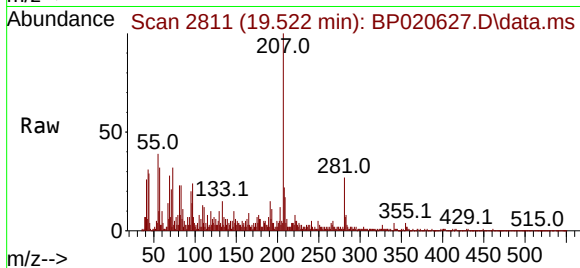
Tgt Ion:184 Resp: 439

Ion Ratio Lower Upper

184 100

185 136.5 12.0 18.0#

183 136.1 9.4 14.0#



#78

Pyrene

Concen: 6.279 ng

RT: 19.692 min Scan# 2840

Delta R.T. -0.023 min

Lab File: BP020627.D

Acq: 14 Jun 2024 16:04

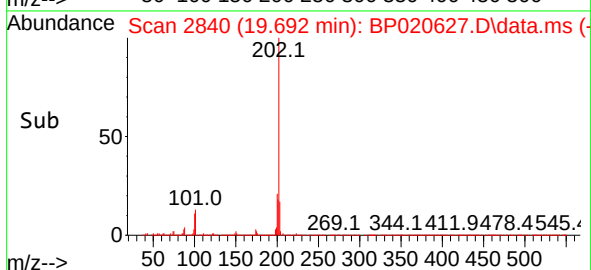
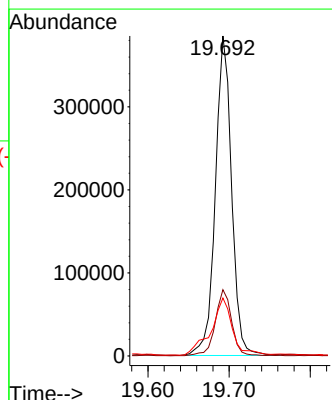
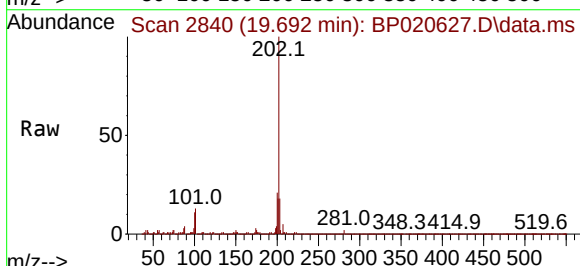
Tgt Ion:202 Resp: 535944

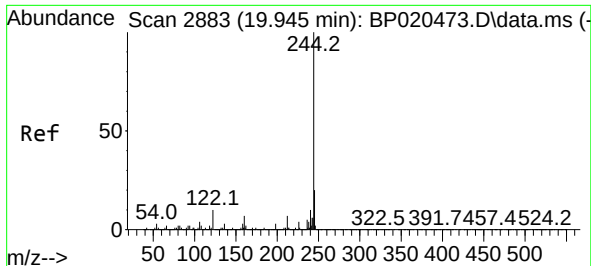
Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

203 18.1 14.1 21.1

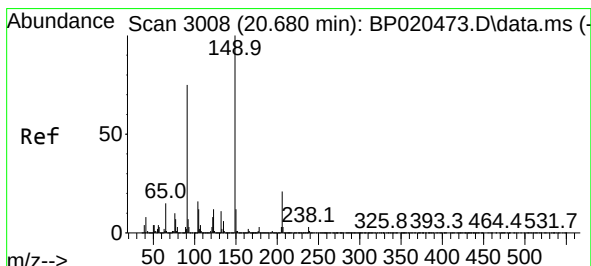
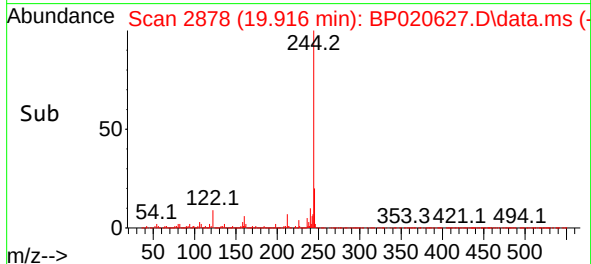
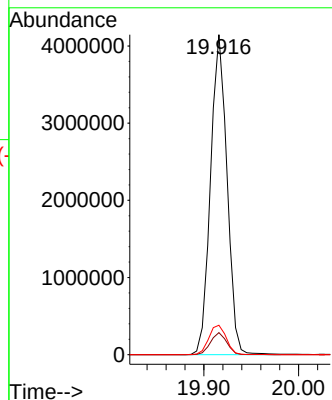
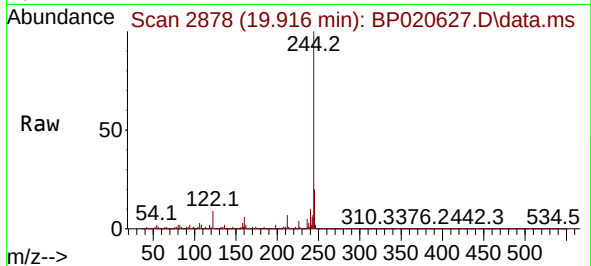




#79
 Terphenyl-d14
 Concen: 73.548 ng
 RT: 19.916 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BP020627.D
 Acq: 14 Jun 2024 16:04

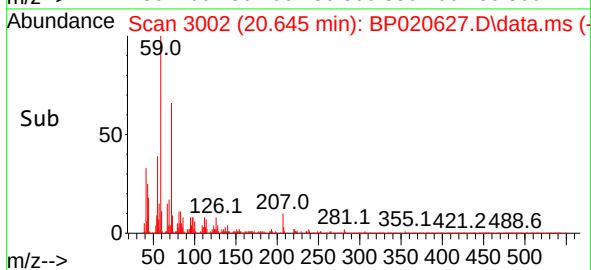
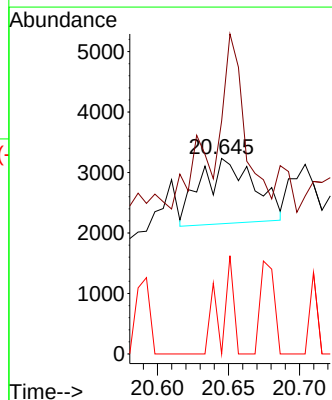
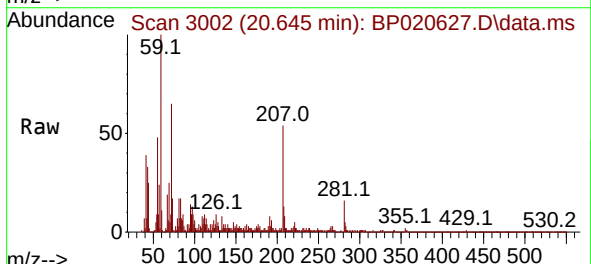
Instrument :
 BNA_P
 ClientSampleId :
 WCS-TPJ

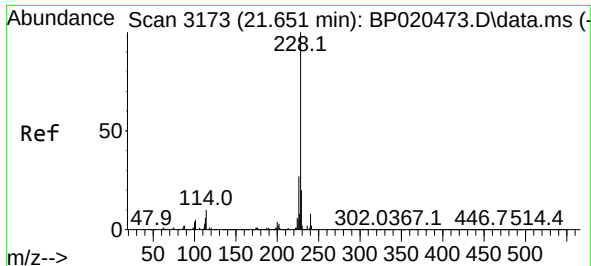
Tgt Ion:244 Resp: 5013373
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 9.2 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 2.508 ng
 RT: 20.645 min Scan# 3002
 Delta R.T. -0.035 min
 Lab File: BP020627.D
 Acq: 14 Jun 2024 16:04

Tgt Ion:149 Resp: 2801
 Ion Ratio Lower Upper
 149 100
 91 119.2 60.0 90.0#
 206 0.0 16.6 25.0#

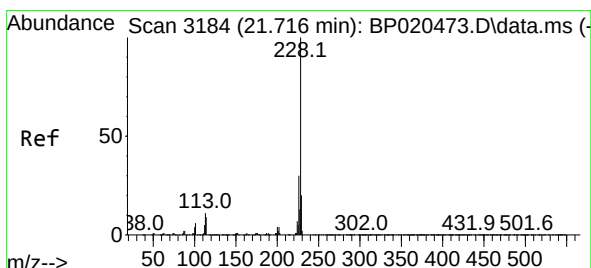
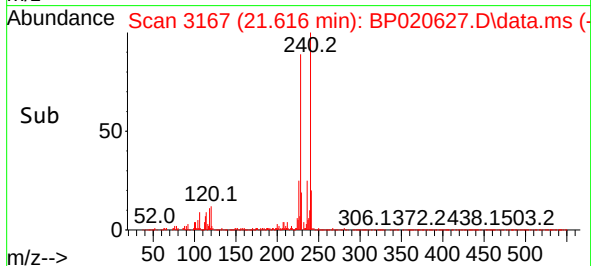
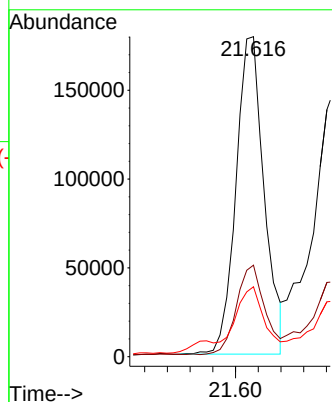
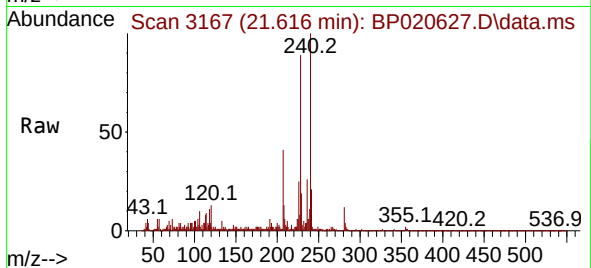




#81
Benzo(a)anthracene
Concen: 4.128 ng
RT: 21.616 min Scan# 3173
Delta R.T. -0.035 min
Lab File: BP020627.D
Acq: 14 Jun 2024 16:04

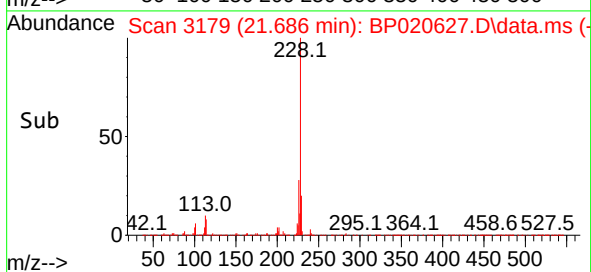
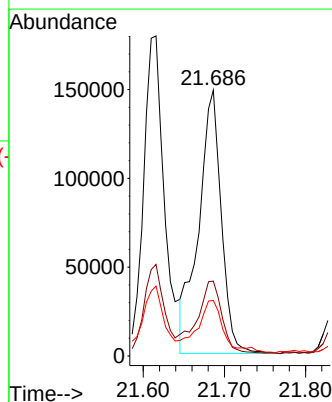
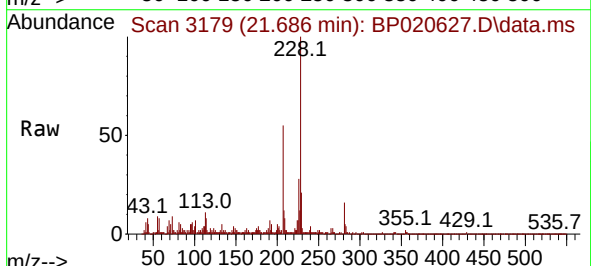
Instrument :
BNA_P
ClientSampleId :
WCS-TPJ

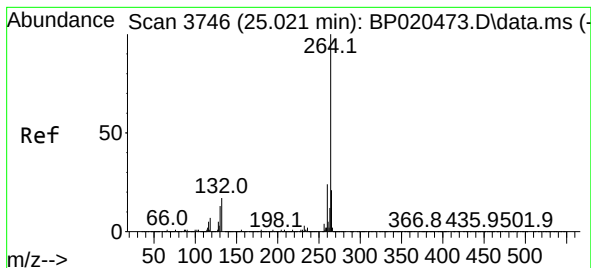
Tgt Ion:228 Resp: 308400
Ion Ratio Lower Upper
228 100
226 28.6 21.7 32.5
229 21.9 15.8 23.6



#83
Chrysene
Concen: 4.117 ng
RT: 21.686 min Scan# 3179
Delta R.T. -0.029 min
Lab File: BP020627.D
Acq: 14 Jun 2024 16:04

Tgt Ion:228 Resp: 289828
Ion Ratio Lower Upper
228 100
226 28.2 24.0 36.0
229 20.9 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.974 min Scan# 31

Delta R.T. -0.047 min

Lab File: BP020627.D

Acq: 14 Jun 2024 16:04

Instrument :

BNA_P

ClientSampleId :

WCS-TPJ

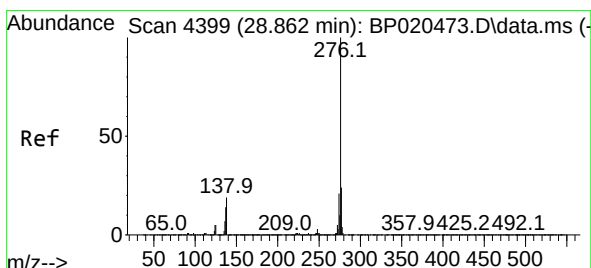
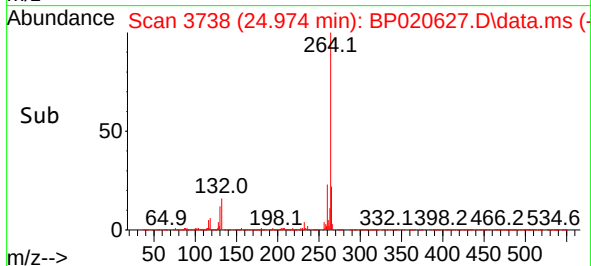
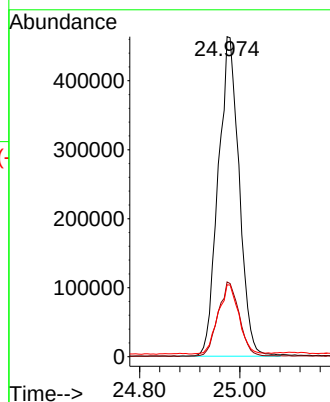
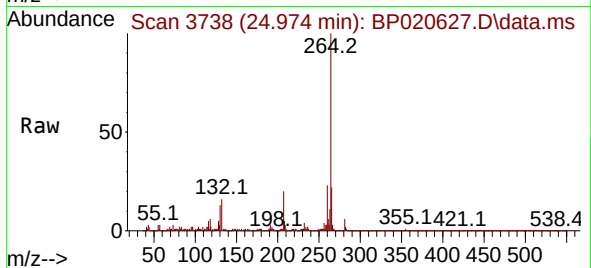
Tgt Ion:264 Resp: 1338750

Ion Ratio Lower Upper

264 100

260 23.4 18.9 28.3

265 22.5 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.060 ng

RT: 28.768 min Scan# 4383

Delta R.T. -0.094 min

Lab File: BP020627.D

Acq: 14 Jun 2024 16:04

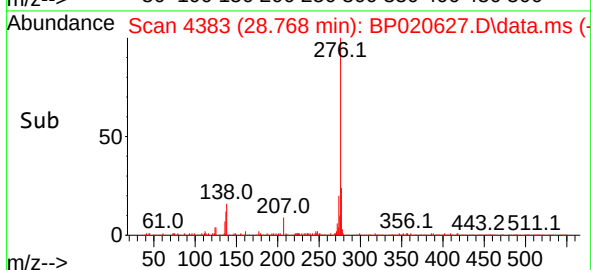
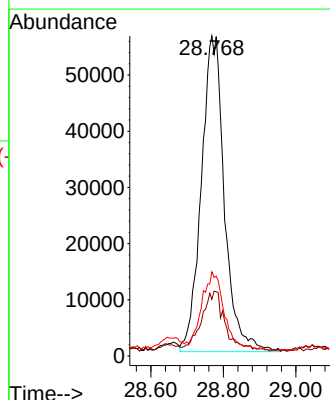
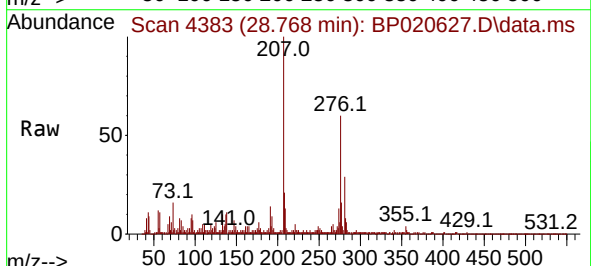
Tgt Ion:276 Resp: 249107

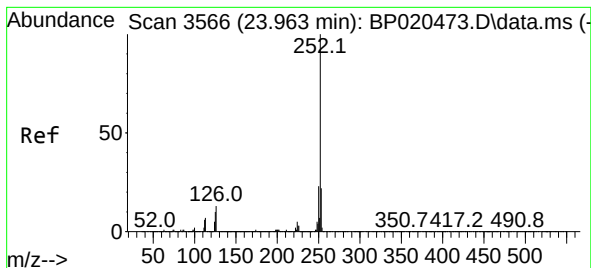
Ion Ratio Lower Upper

276 100

138 16.7 12.8 19.2

277 23.9 15.6 23.4#





#88

Benzo(b)fluoranthene

Concen: 5.453 ng

RT: 23.916 min Scan# 3558

Delta R.T. -0.047 min

Lab File: BP020627.D

Acq: 14 Jun 2024 16:04

Instrument :

BNA_P

ClientSampleId :

WCS-TPJ

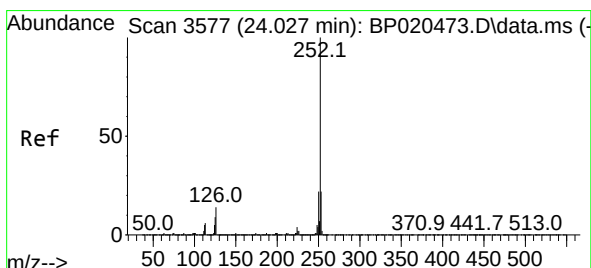
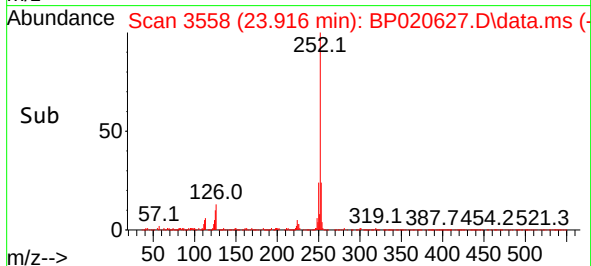
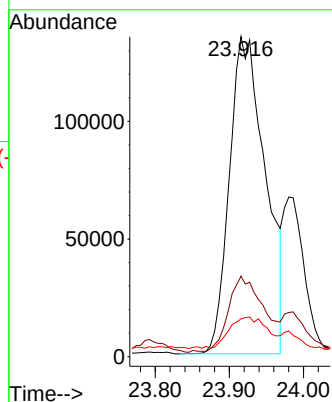
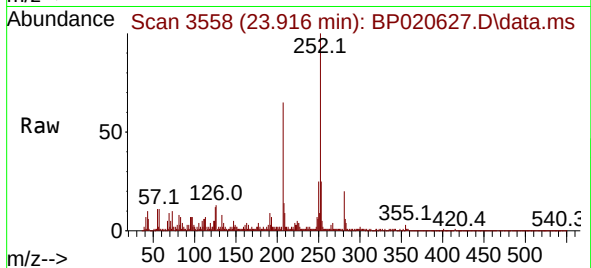
Tgt Ion:252 Resp: 454785

Ion Ratio Lower Upper

252 100

253 25.1 17.6 26.4

125 11.8 8.0 12.0



#89

Benzo(k)fluoranthene

Concen: 5.591 ng

RT: 23.916 min Scan# 3558

Delta R.T. -0.112 min

Lab File: BP020627.D

Acq: 14 Jun 2024 16:04

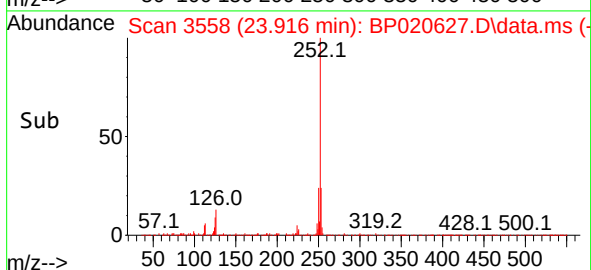
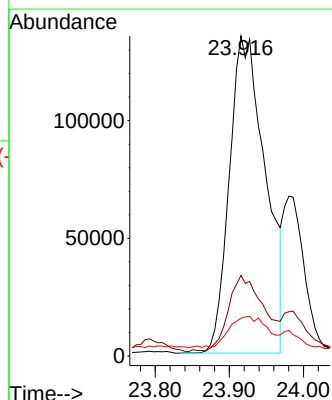
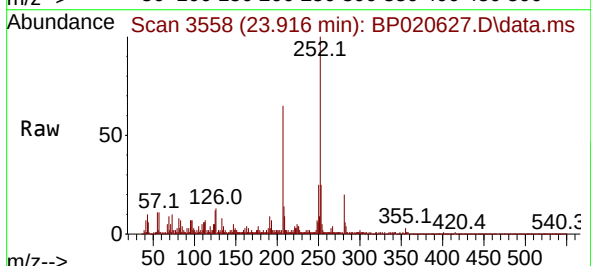
Tgt Ion:252 Resp: 454785

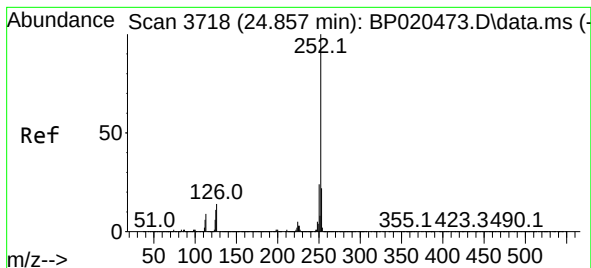
Ion Ratio Lower Upper

252 100

253 25.1 17.7 26.5

125 11.8 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 4.862 ng

RT: 24.816 min Scan# 31

Delta R.T. -0.041 min

Lab File: BP020627.D

Acq: 14 Jun 2024 16:04

Instrument :

BNA_P

ClientSampleId :

WCS-TPJ

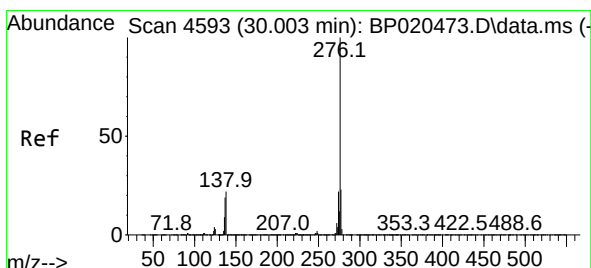
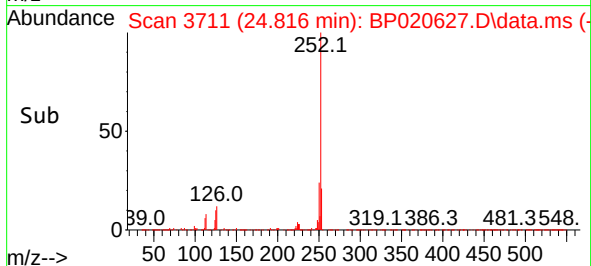
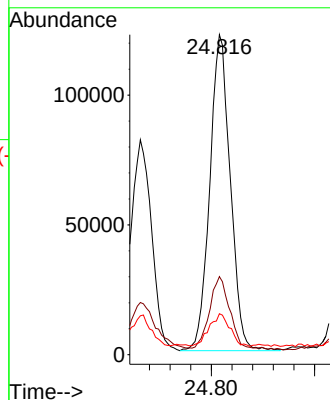
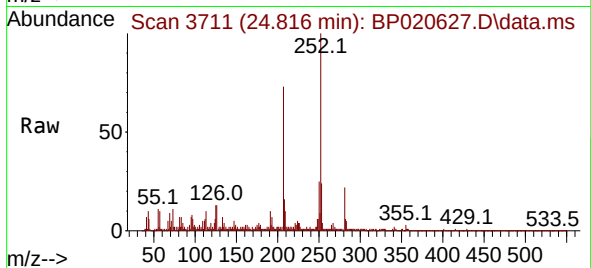
Tgt Ion:252 Resp: 335795

Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.2

125 12.8 8.9 13.3



#92

Benzo(g,h,i)perylene

Concen: 3.687 ng

RT: 29.951 min Scan# 4584

Delta R.T. -0.053 min

Lab File: BP020627.D

Acq: 14 Jun 2024 16:04

Tgt Ion:276 Resp: 250235

Ion Ratio Lower Upper

276 100

277 26.1 18.7 28.1

138 20.8 17.7 26.5

