

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012624\
 Data File : BP019459.D
 Acq On : 26 Jan 2024 21:52
 Operator : MA/JU
 Sample : P1247-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CL-02-012424

Quant Time: Jan 27 00:18:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 26 23:43:31 2024
 Response via : Initial Calibration

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

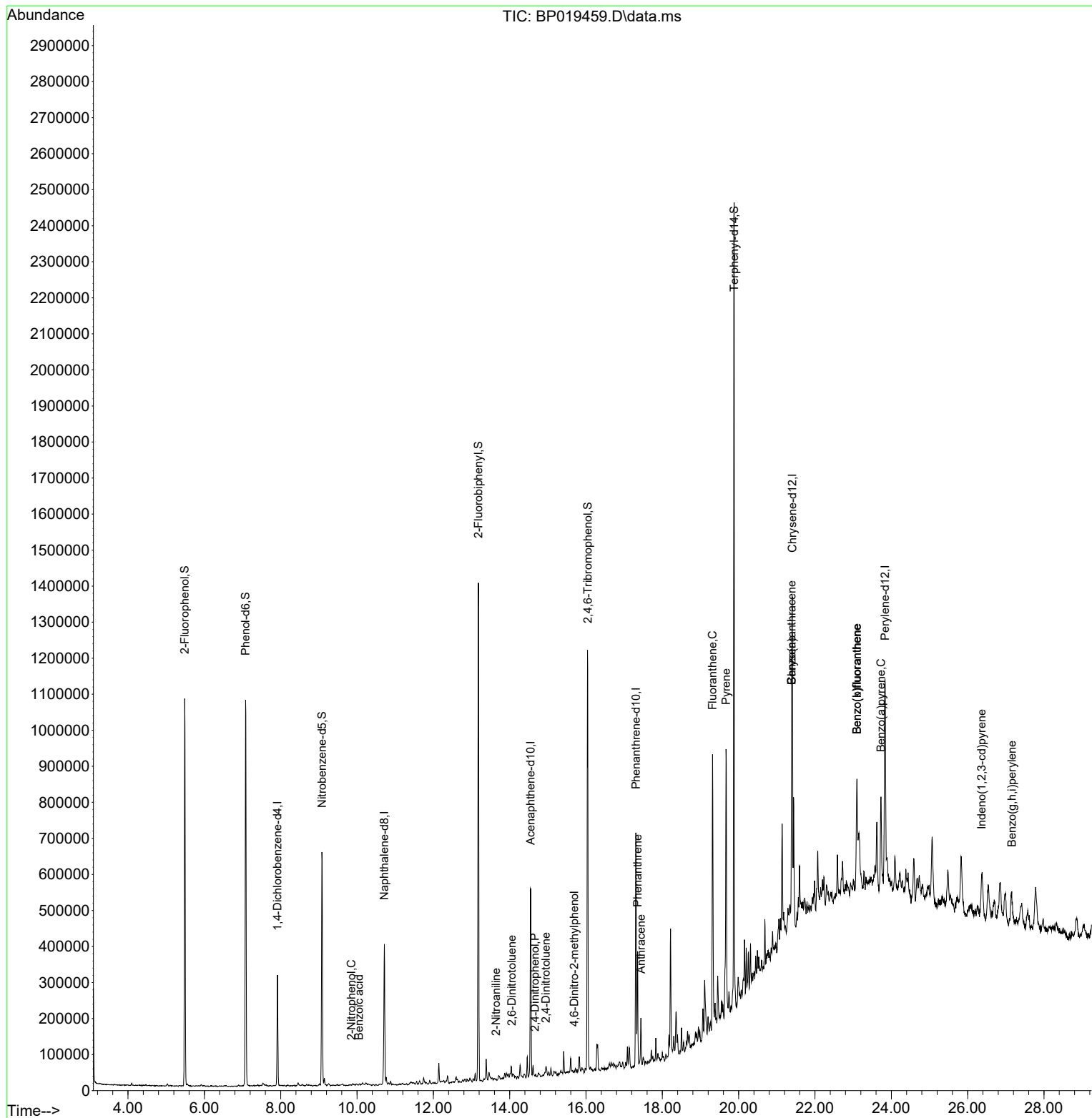
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	73730	20.000	ng	-0.01
21) Naphthalene-d8	10.716	136	283934	20.000	ng	-0.01
39) Acenaphthene-d10	14.551	164	177292	20.000	ng	0.00
64) Phenanthrene-d10	17.310	188	390763	20.000	ng	0.00
76) Chrysene-d12	21.404	240	365163	20.000	ng	0.00
86) Perylene-d12	23.839	264	404945	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	401541	85.680	ng	-0.01
7) Phenol-d6	7.081	99	547559	79.098	ng	-0.01
23) Nitrobenzene-d5	9.081	82	368440	58.441	ng	-0.02
42) 2,4,6-Tribromophenol	16.045	330	197094	85.843	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	694439	51.915	ng	-0.01
79) Terphenyl-d14	19.880	244	1048526	47.077	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.087	77	2098	Below Cal	#	11
26) 2-Nitrophenol	9.851	139	87	3.116	ng	# 69
32) Benzoic acid	10.051	122	96	7.002	ng	# 1
48) 2-Nitroaniline	13.645	65	301	4.216	ng	# 37
51) 2,6-Dinitrotoluene	14.051	165	116	3.047	ng	90
54) 2,4-Dinitrophenol	14.663	184	34	2.077	ng	# 1
57) 2,4-Dinitrotoluene	14.945	165	316	3.789	ng	# 1
65) 4,6-Dinitro-2-methylph...	15.692	198	21	8.135	ng	# 1
71) Phenanthrene	17.351	178	186597	8.971	ng	99
72) Anthracene	17.439	178	75564	3.625	ng	97
75) Fluoranthene	19.316	202	419415	15.511	ng	99
78) Pyrene	19.669	202	427964	16.211	ng	100
81) Benzo(a)anthracene	21.386	228	238068	9.090	ng	93
83) Chrysene	21.386	228	238068	9.682	ng	96
87) Indeno(1,2,3-cd)pyrene	26.368	276	135860	5.120	ng	96
88) Benzo(b)fluoranthene	23.098	252	265129	9.783	ng	94
89) Benzo(k)fluoranthene	23.098	252	265129	10.286	ng	# 93
90) Benzo(a)pyrene	23.727	252	213909	9.232	ng	# 94
92) Benzo(g,h,i)perylene	27.156	276	132610	6.240	ng	98

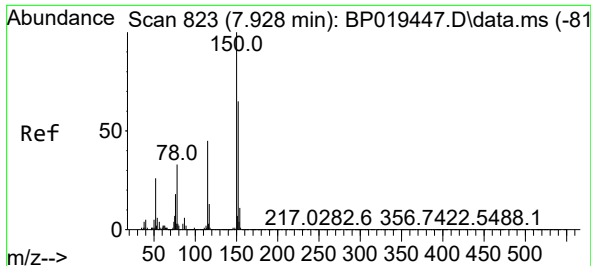
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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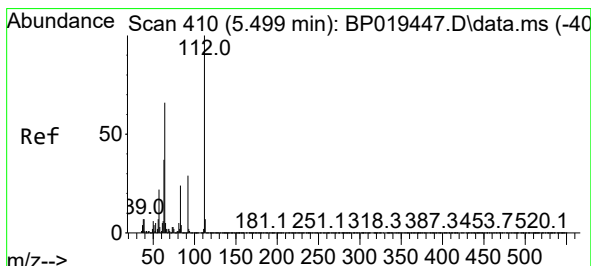
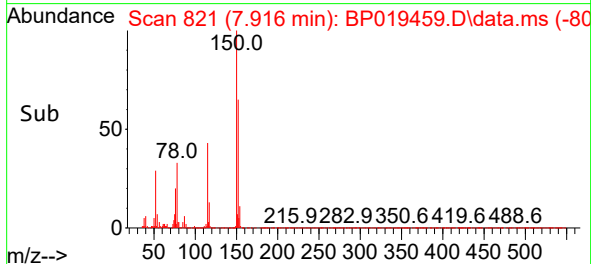
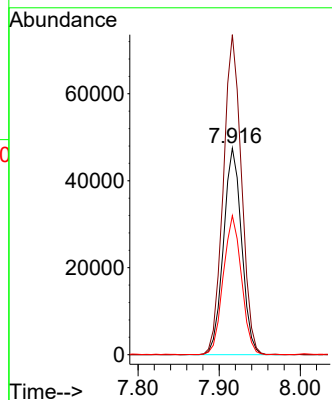
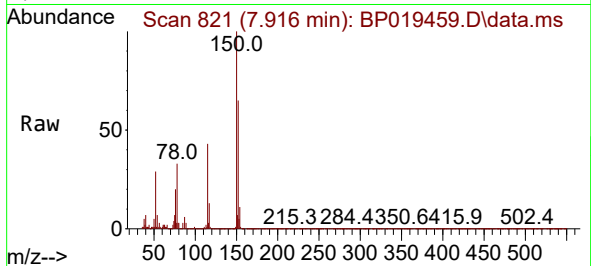




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.916 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

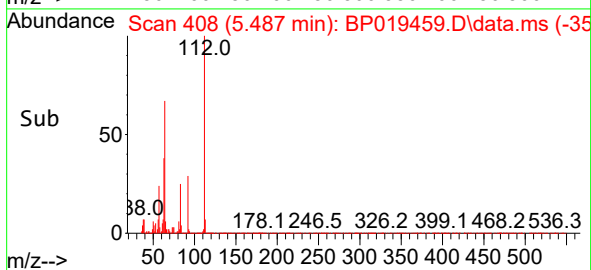
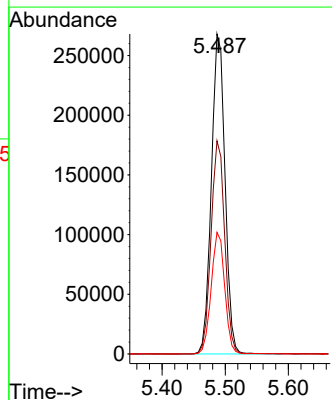
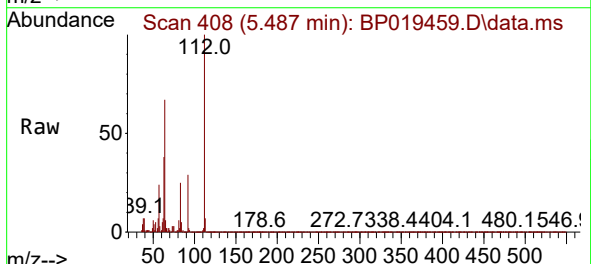
Instrument :
BNA_P
ClientSampleId :
CL-02-012424

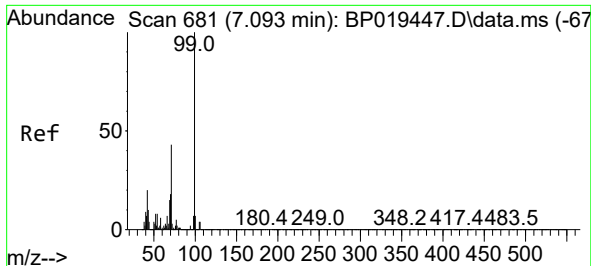
Tgt Ion:152 Resp: 73730
Ion Ratio Lower Upper
152 100
150 154.9 123.5 185.3
115 67.3 55.1 82.7



#5
2-Fluorophenol
Concen: 85.680 ng
RT: 5.487 min Scan# 408
Delta R.T. -0.012 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

Tgt Ion:112 Resp: 401541
Ion Ratio Lower Upper
112 100
64 66.6 53.1 79.7
63 38.0 29.4 44.0

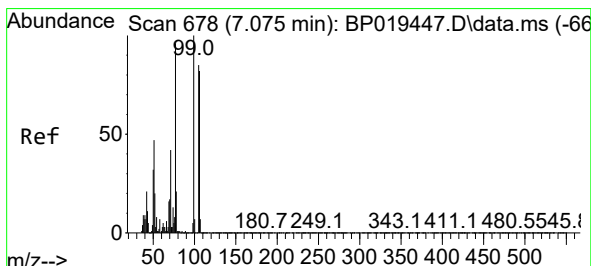
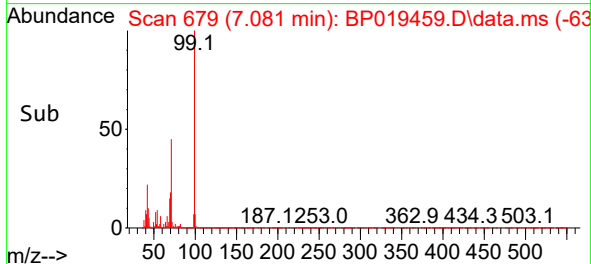
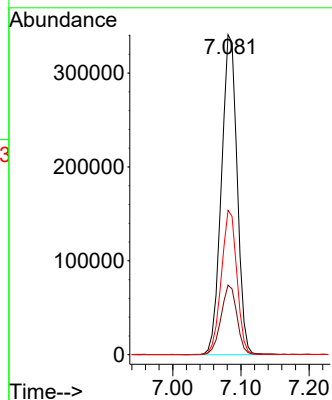
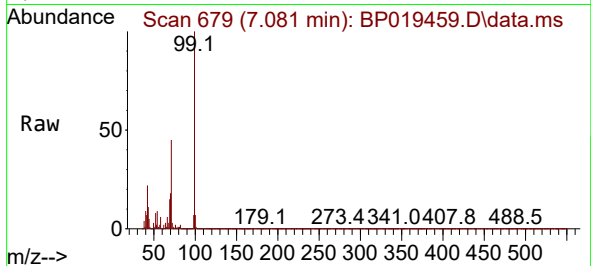




#7
Phenol-d6
Concen: 79.098 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

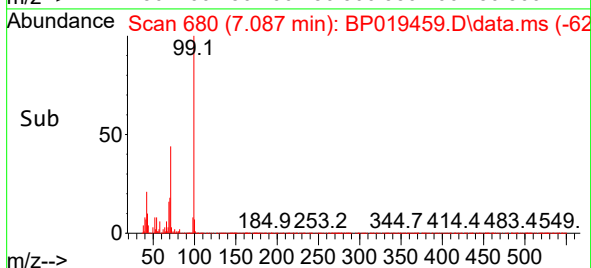
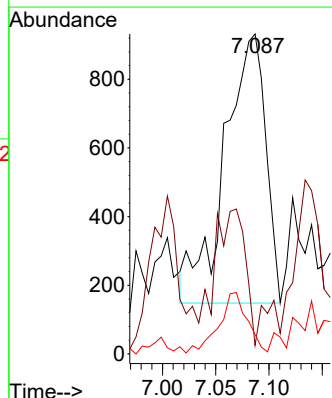
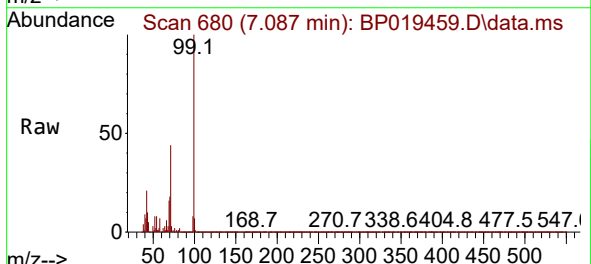
Instrument :
BNA_P
ClientSampleId :
CL-02-012424

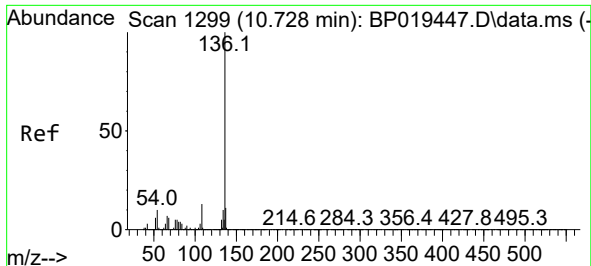
Tgt Ion: 99 Resp: 547559
Ion Ratio Lower Upper
99 100
42 21.7 16.4 24.6
71 45.1 34.6 52.0



#9
Benzaldehyde
Concen: Below Cal
RT: 7.087 min Scan# 680
Delta R.T. 0.012 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

Tgt Ion: 77 Resp: 2098
Ion Ratio Lower Upper
77 100
105 2.7 69.0 109.0#
106 6.1 65.1 105.1#

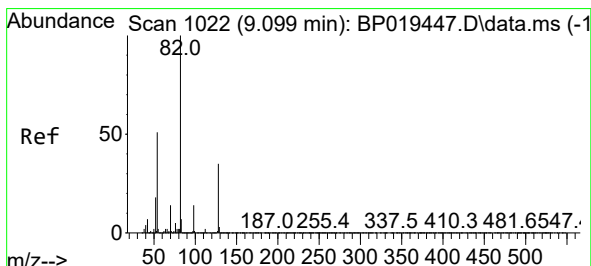
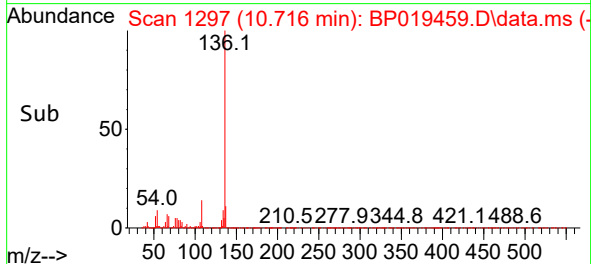
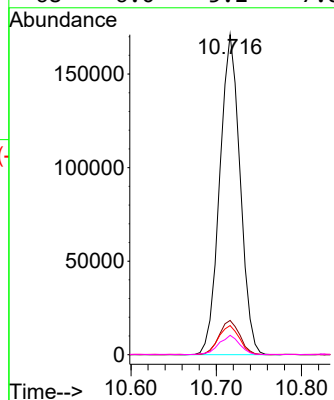
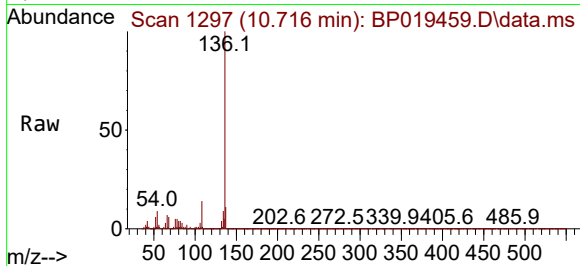




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.716 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

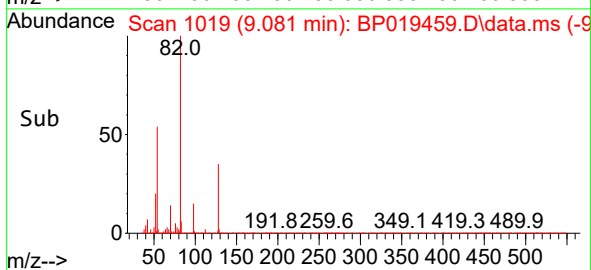
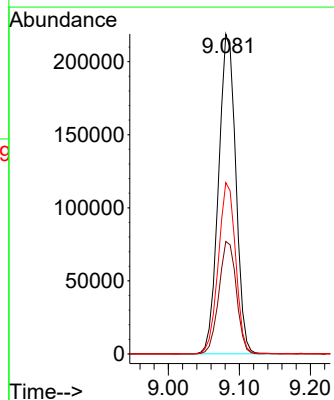
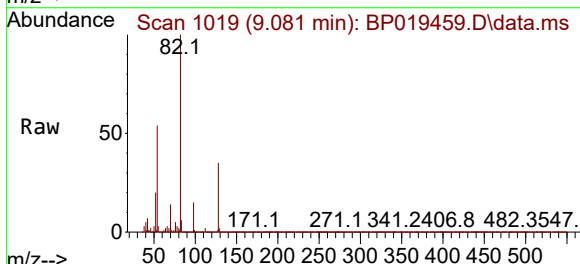
Instrument :
BNA_P
ClientSampleId :
CL-02-012424

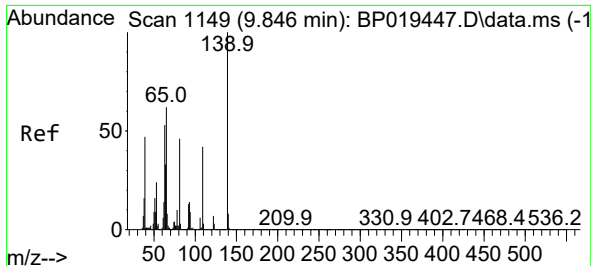
Tgt Ion:	136	Resp:	283934
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.8	13.2
54	9.1	7.8	11.6
68	6.0	5.2	7.8



#23
Nitrobenzene-d5
Concen: 58.441 ng
RT: 9.081 min Scan# 1019
Delta R.T. -0.018 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

Tgt Ion:	82	Resp:	368440
Ion Ratio	Lower	Upper	
82	100		
128	35.2	28.2	42.2
54	53.5	41.1	61.7

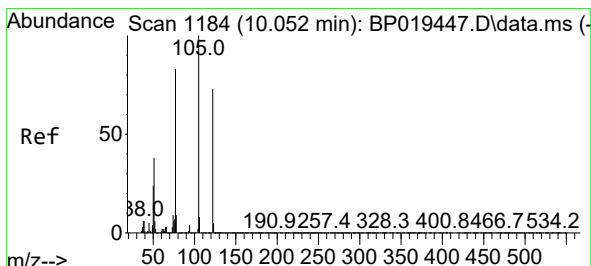
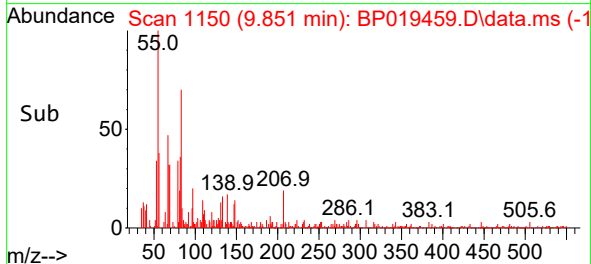
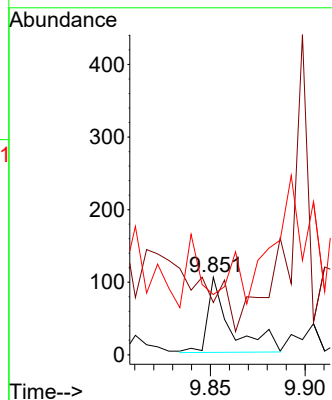
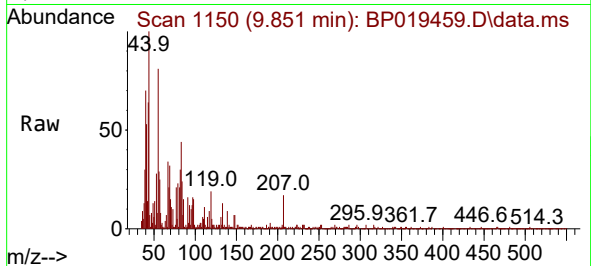




#26
2-Nitrophenol
Concen: 3.116 ng
RT: 9.851 min Scan# 1149
Delta R.T. 0.005 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

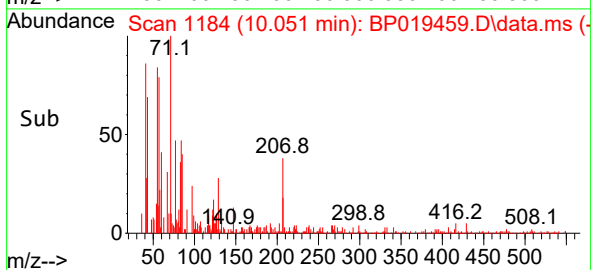
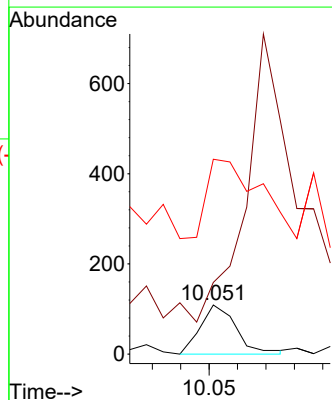
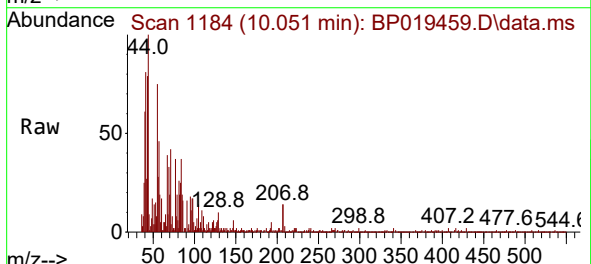
Instrument :
BNA_P
ClientSampleId :
CL-02-012424

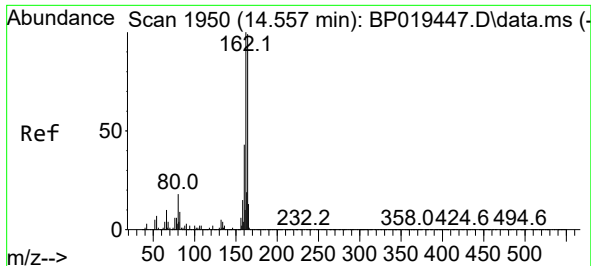
Tgt Ion:139 Resp: 87
Ion Ratio Lower Upper
139 100
109 67.3 33.5 50.3#
65 81.3 49.7 74.5#



#32
Benzoic acid
Concen: 7.002 ng
RT: 10.051 min Scan# 1184
Delta R.T. -0.001 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

Tgt Ion:122 Resp: 96
Ion Ratio Lower Upper
122 100
105 145.9 115.0 155.0
77 396.3 91.6 131.6#

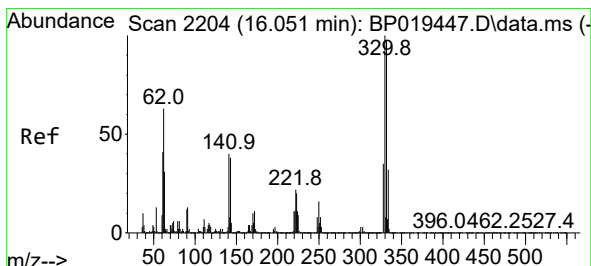
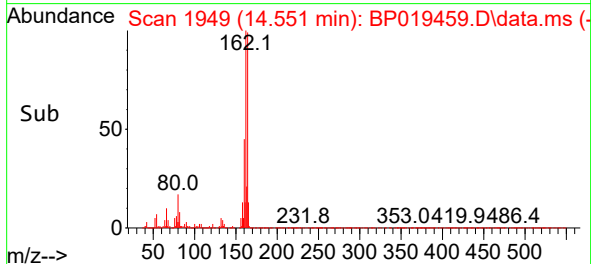
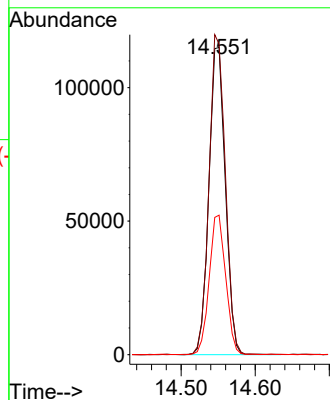
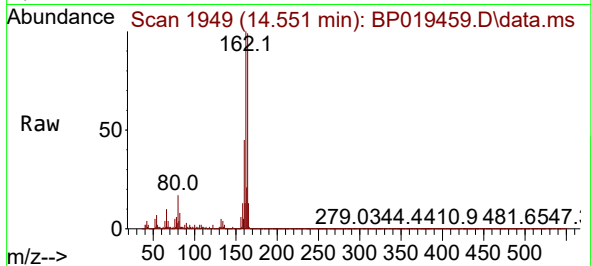




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.551 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

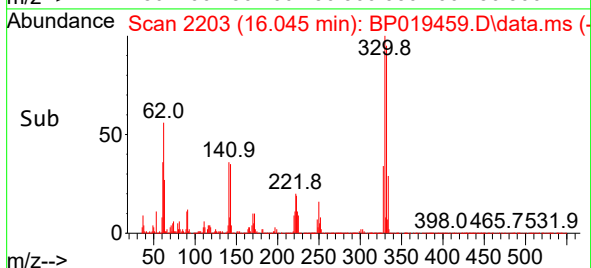
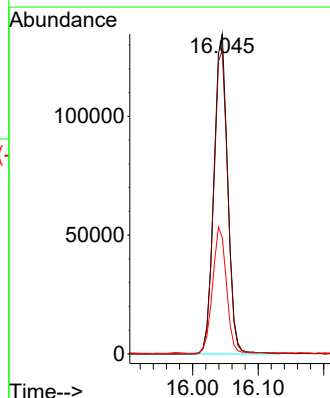
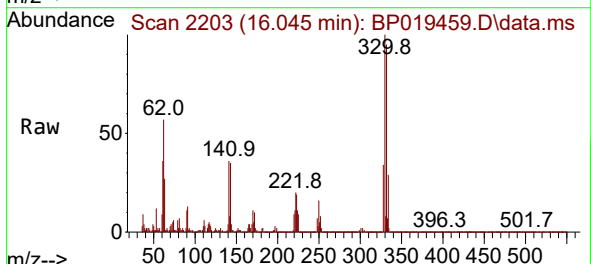
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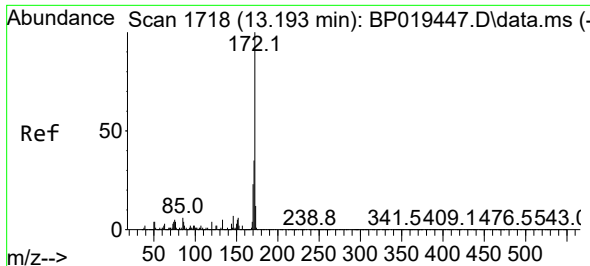
Tgt Ion:164 Resp: 177292
Ion Ratio Lower Upper
164 100
162 101.1 80.8 121.2
160 45.4 35.0 52.6



#42
2,4,6-Tribromophenol
Concen: 85.843 ng
RT: 16.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

Tgt Ion:330 Resp: 197094
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 39.4 30.9 46.3

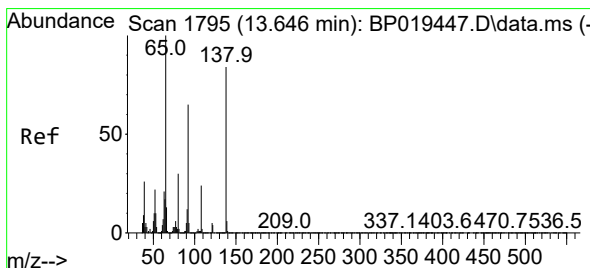
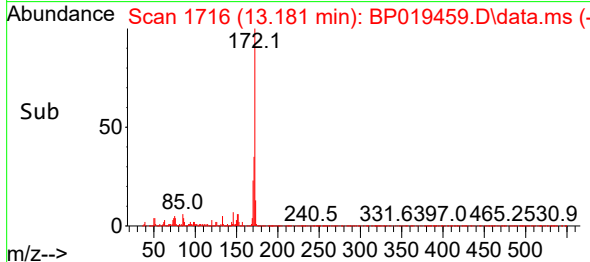
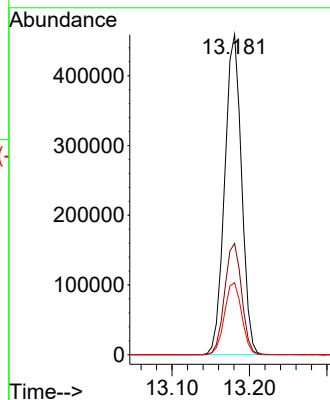
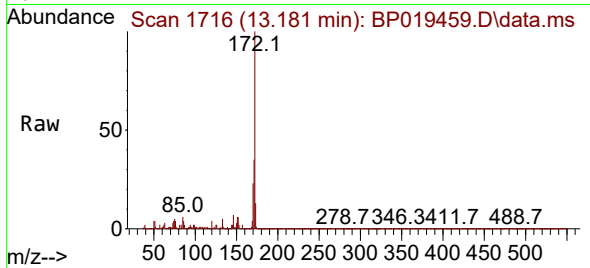




#45
2-Fluorobiphenyl
Concen: 51.915 ng
RT: 13.181 min Scan# 1716
Delta R.T. -0.012 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

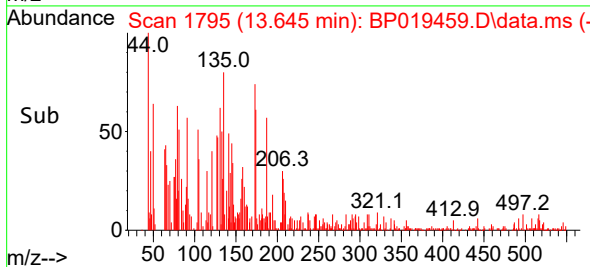
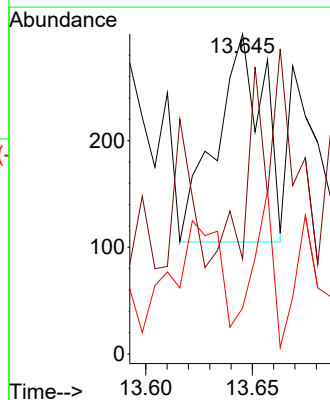
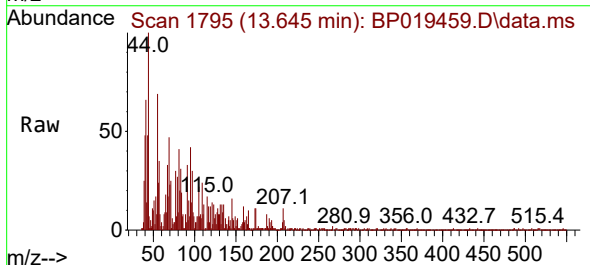
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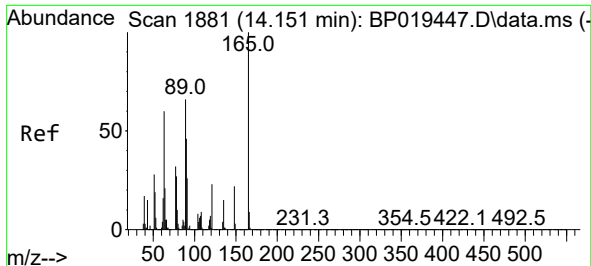
Tgt Ion:172 Resp: 694439
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 22.5 18.7 28.1



#48
2-Nitroaniline
Concen: 4.216 ng
RT: 13.645 min Scan# 1795
Delta R.T. -0.001 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

Tgt Ion: 65 Resp: 301
Ion Ratio Lower Upper
65 100
92 29.7 51.9 77.9#
138 14.3 67.0 100.6#

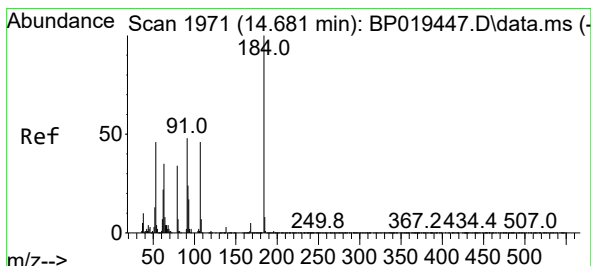
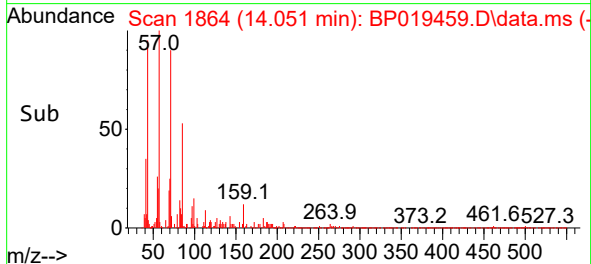
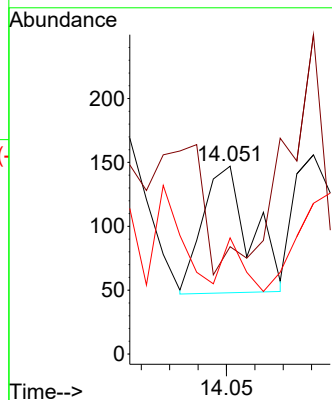
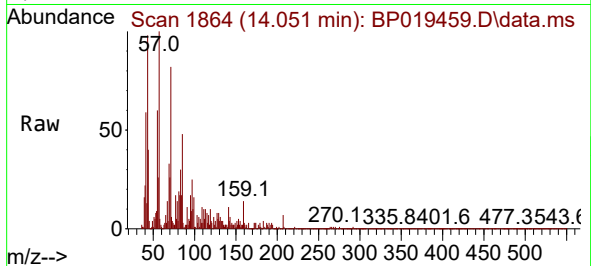




#51
2,6-Dinitrotoluene
Concen: 3.047 ng
RT: 14.051 min Scan# 116
Delta R.T. -0.100 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

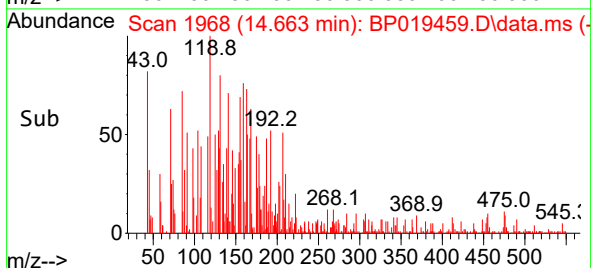
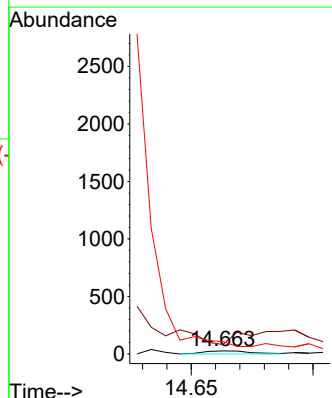
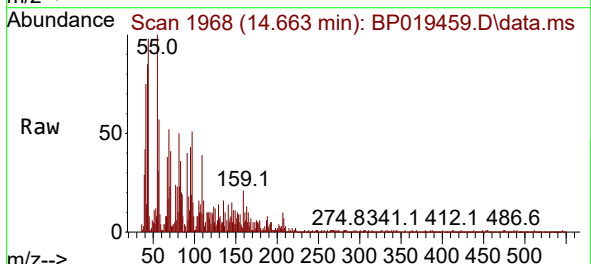
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CL-02-012424

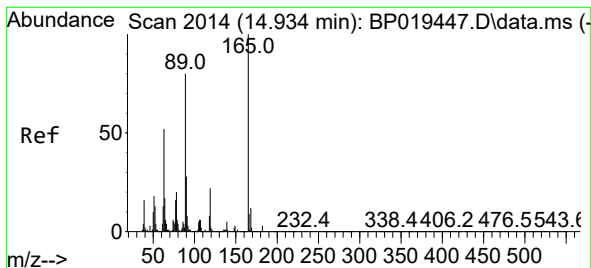
Tgt Ion:165 Resp: 116
Ion Ratio Lower Upper
165 100
63 57.1 55.6 83.4
89 61.9 53.0 79.6



#54
2,4-Dinitrophenol
Concen: 2.077 ng
RT: 14.663 min Scan# 1968
Delta R.T. -0.018 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

Tgt Ion:184 Resp: 34
Ion Ratio Lower Upper
184 100
63 307.4 54.3 81.5#
154 396.3 51.1 76.7#





#57

2,4-Dinitrotoluene

Concen: 3.789 ng

RT: 14.945 min Scan# 2014

Delta R.T. 0.011 min

Lab File: BP019459.D

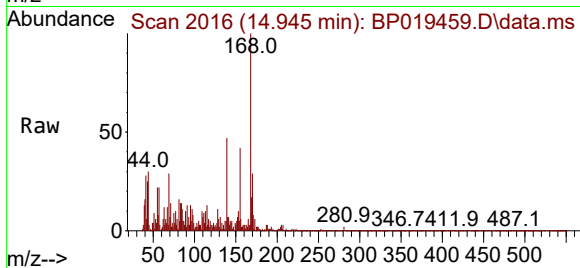
Acq: 26 Jan 2024 21:52

Instrument :

BNA_P

ClientSampleId :

CL-02-012424



Tgt Ion:165 Resp: 316

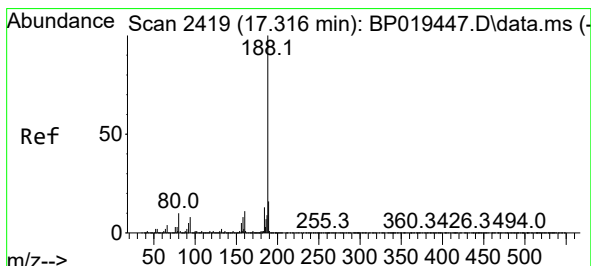
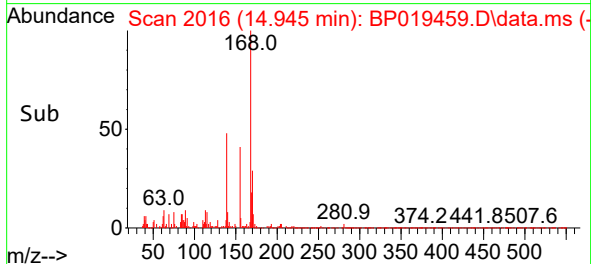
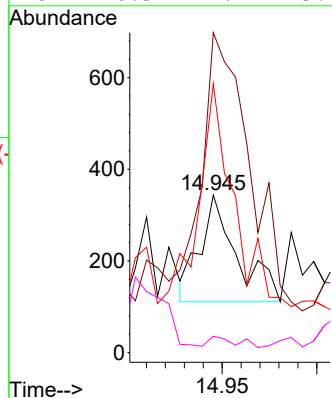
Ion Ratio Lower Upper

165 100

63 202.9 41.4 62.0#

89 170.6 64.2 96.4#

182 10.5 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.310 min Scan# 2418

Delta R.T. -0.006 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

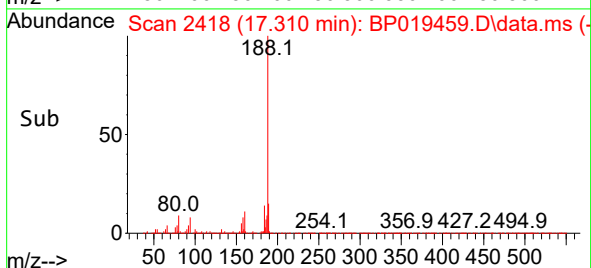
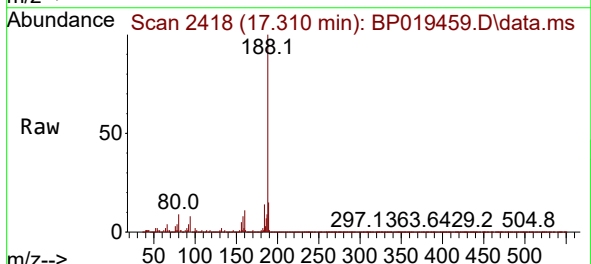
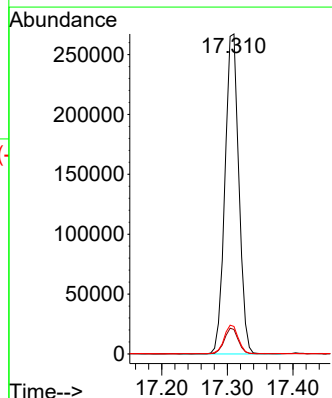
Tgt Ion:188 Resp: 390763

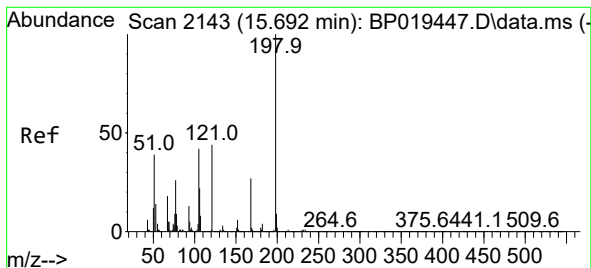
Ion Ratio Lower Upper

188 100

94 7.6 6.2 9.2

80 8.6 8.1 12.1

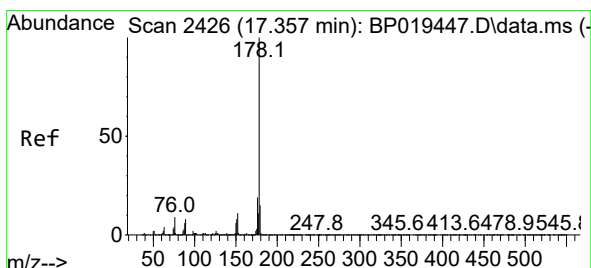
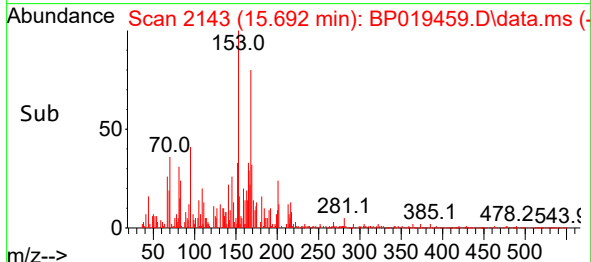
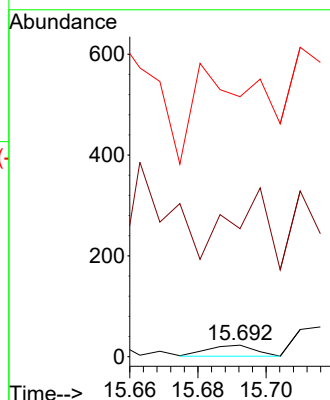
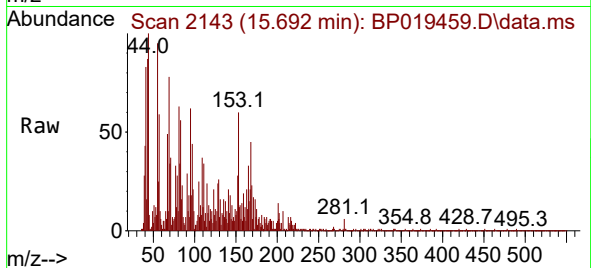




#65
4,6-Dinitro-2-methylphenol
Concen: 8.135 ng
RT: 15.692 min Scan# 2143
Delta R.T. 0.000 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

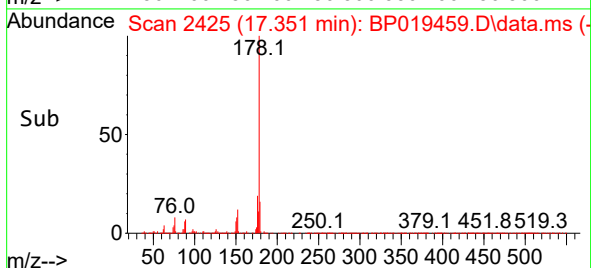
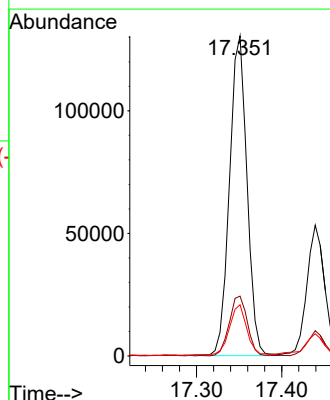
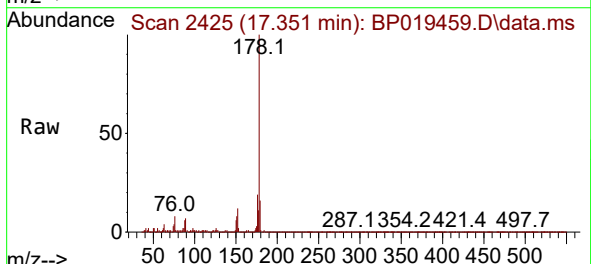
Instrument :
BNA_P
ClientSampleId :
CL-02-012424

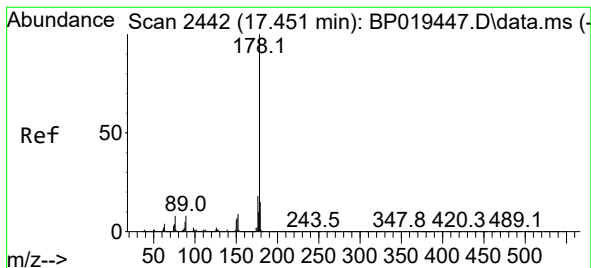
Tgt Ion:198 Resp: 21
Ion Ratio Lower Upper
198 100
51 1104.3 32.3 72.3#
105 2243.5 24.1 64.1#



#71
Phenanthrene
Concen: 8.971 ng
RT: 17.351 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP019459.D
Acq: 26 Jan 2024 21:52

Tgt Ion:178 Resp: 186597
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 16.0 12.2 18.4





#72

Anthracene

Concen: 3.625 ng

RT: 17.439 min Scan# 2442

Delta R.T. -0.012 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

Instrument :

BNA_P

ClientSampleId :

CL-02-012424

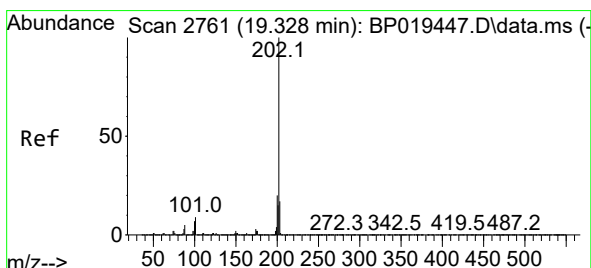
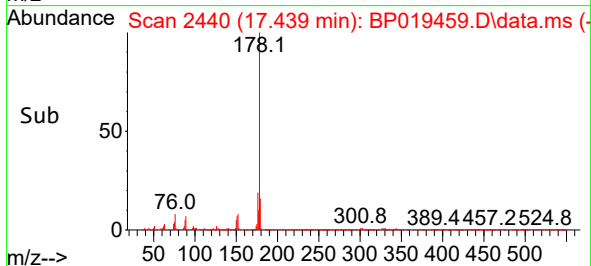
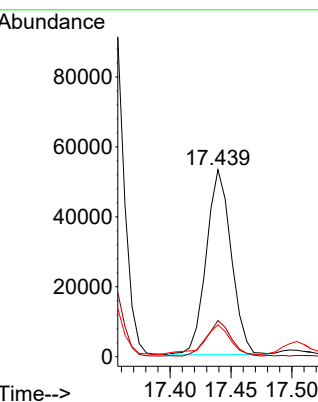
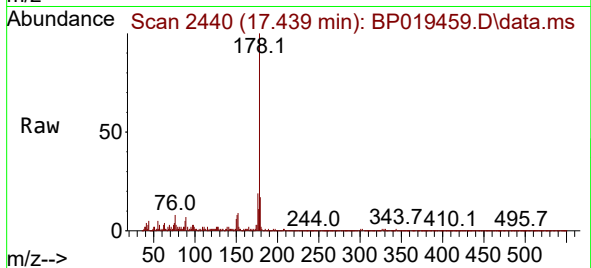
Tgt Ion:178 Resp: 75564

Ion Ratio Lower Upper

178 100

176 19.4 14.7 22.1

179 17.0 12.2 18.2



#75

Fluoranthene

Concen: 15.511 ng

RT: 19.316 min Scan# 2759

Delta R.T. -0.012 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

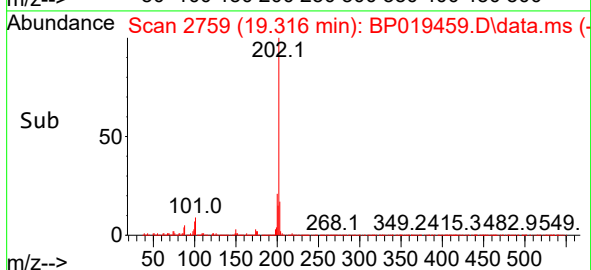
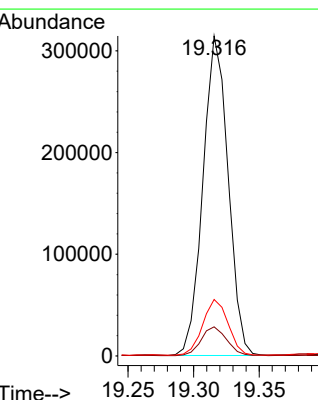
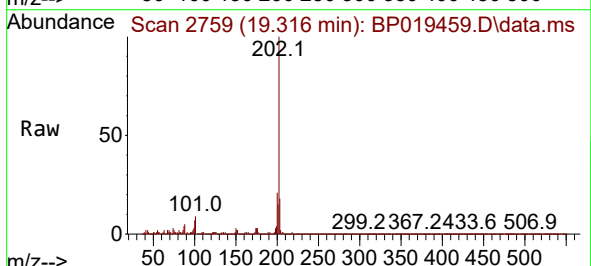
Tgt Ion:202 Resp: 419415

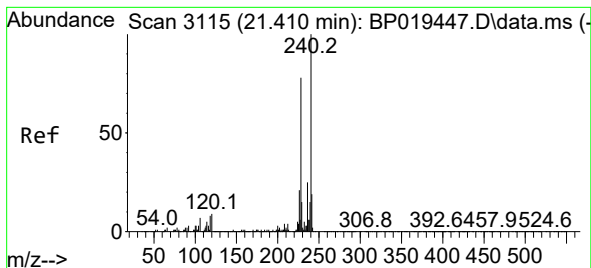
Ion Ratio Lower Upper

202 100

101 9.1 0.0 29.1

203 17.6 0.0 37.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.404 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

Instrument :

BNA_P

ClientSampleId :

CL-02-012424

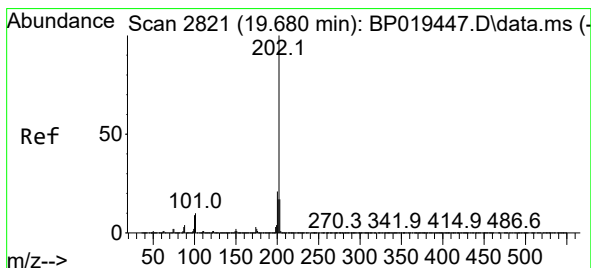
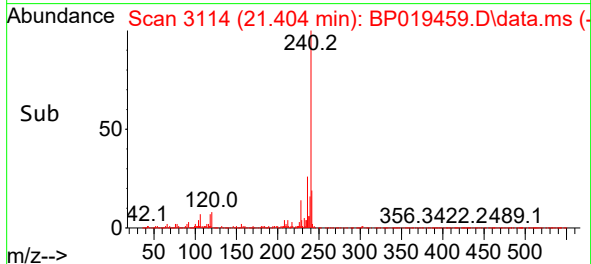
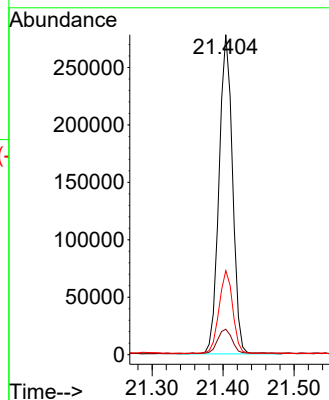
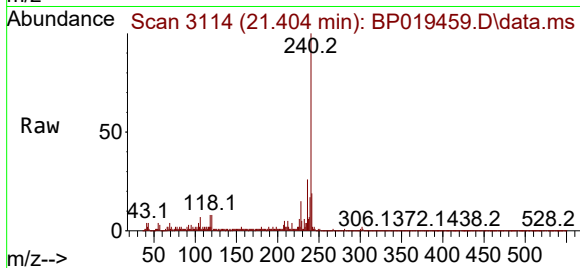
Tgt Ion:240 Resp: 365163

Ion Ratio Lower Upper

240 100

120 7.9 6.9 10.3

236 26.3 19.8 29.8



#78

Pyrene

Concen: 16.211 ng

RT: 19.669 min Scan# 2819

Delta R.T. -0.012 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

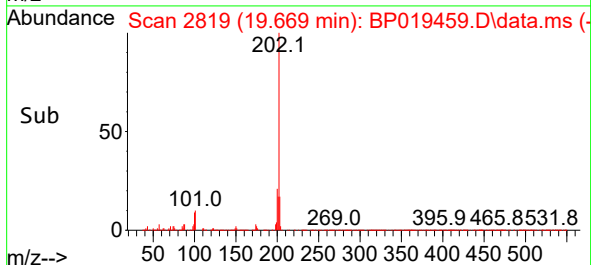
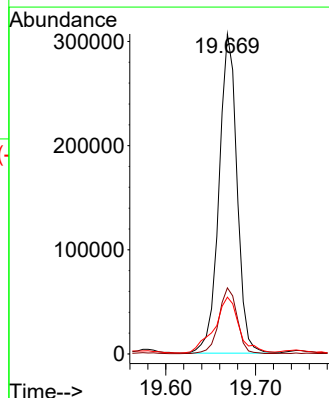
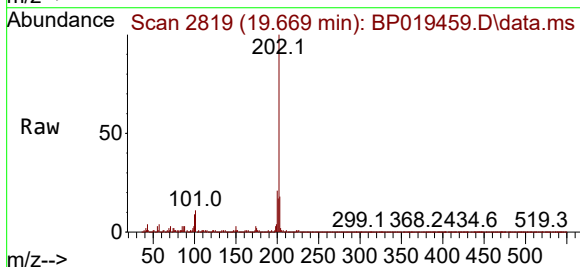
Tgt Ion:202 Resp: 427964

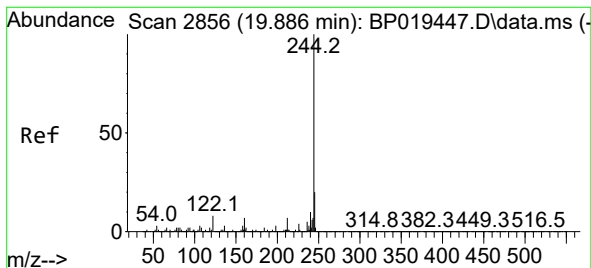
Ion Ratio Lower Upper

202 100

200 20.6 16.5 24.7

203 17.8 13.9 20.9





#79

Terphenyl-d14

Concen: 47.077 ng

RT: 19.880 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

Instrument :

BNA_P

ClientSampleId :

CL-02-012424

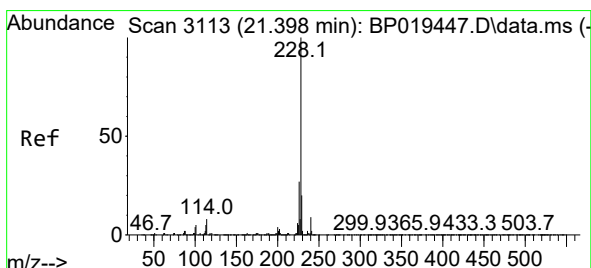
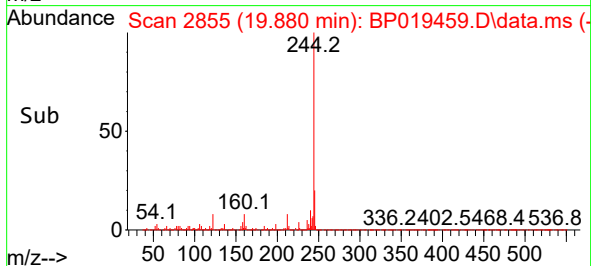
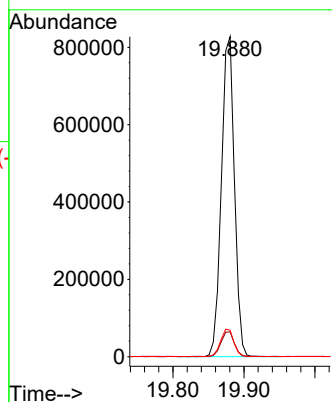
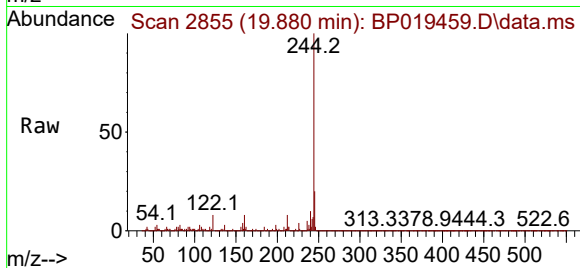
Tgt Ion:244 Resp: 1048526

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

122 8.3 6.6 10.0



#81

Benzo(a)anthracene

Concen: 9.090 ng

RT: 21.386 min Scan# 3111

Delta R.T. -0.012 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

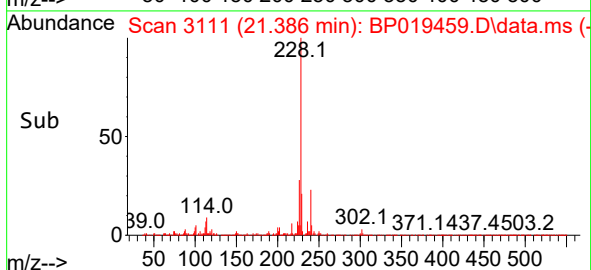
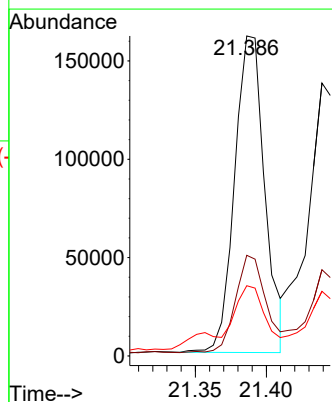
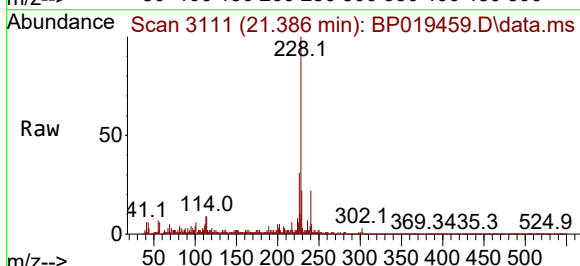
Tgt Ion:228 Resp: 238068

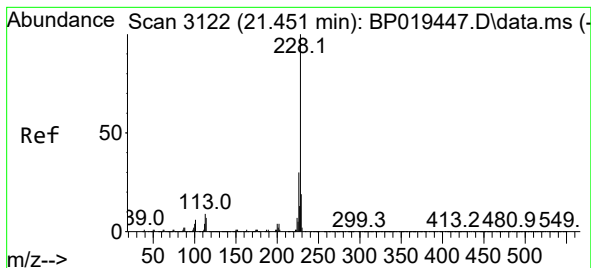
Ion Ratio Lower Upper

228 100

226 31.5 21.4 32.2

229 22.0 15.7 23.5





#83

Chrysene

Concen: 9.682 ng

RT: 21.386 min Scan# 31

Delta R.T. -0.065 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

Instrument :

BNA_P

ClientSampleId :

CL-02-012424

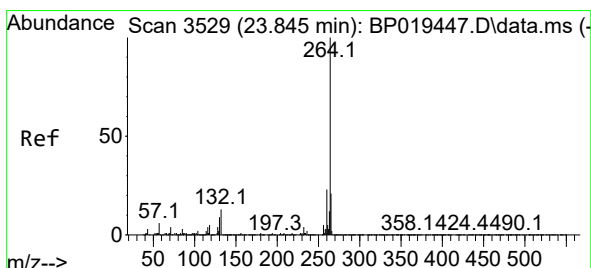
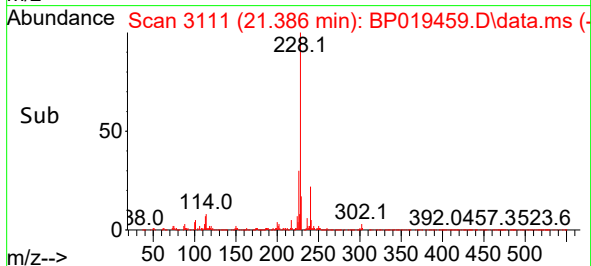
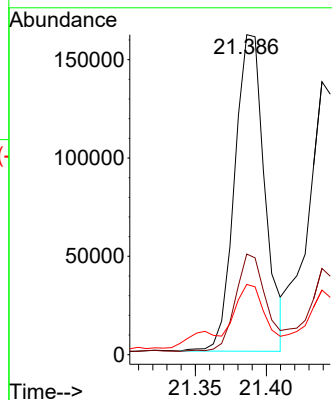
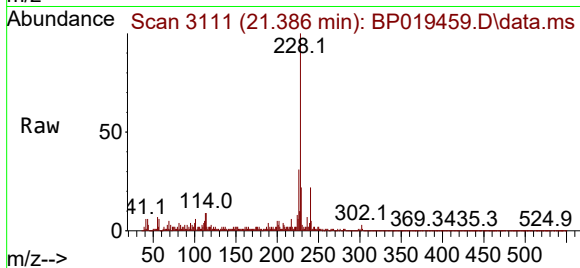
Tgt Ion:228 Resp: 238068

Ion Ratio Lower Upper

228 100

226 31.5 23.9 35.9

229 22.0 15.4 23.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.839 min Scan# 3528

Delta R.T. -0.006 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

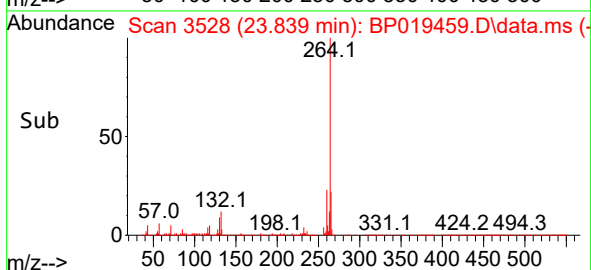
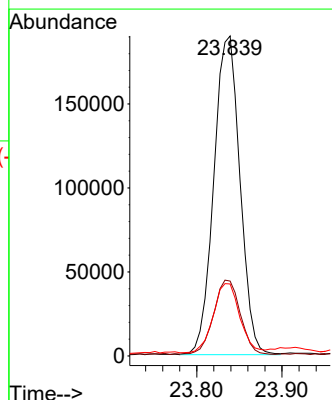
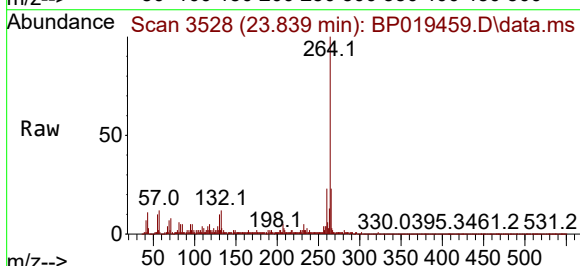
Tgt Ion:264 Resp: 404945

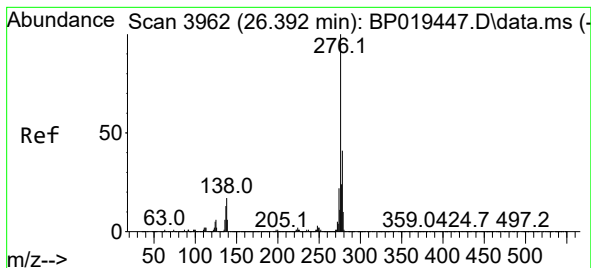
Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 22.5 16.4 24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.120 ng

RT: 26.368 min Scan# 3958

Delta R.T. -0.024 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

Instrument :

BNA_P

ClientSampleId :

CL-02-012424

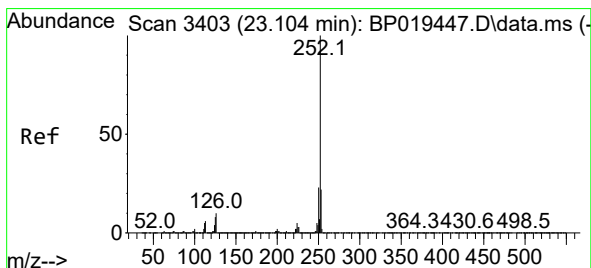
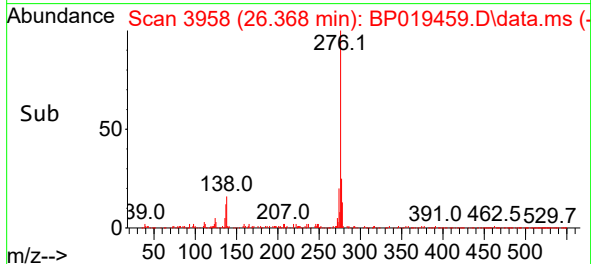
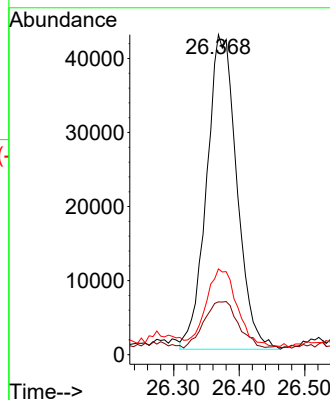
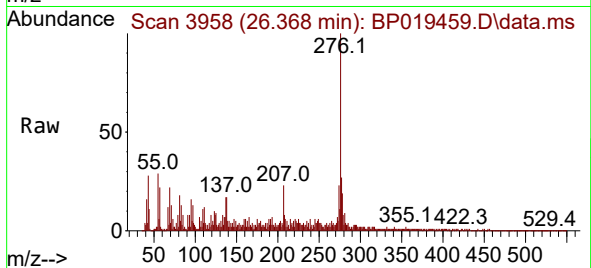
Tgt Ion:276 Resp: 135860

Ion Ratio Lower Upper

276 100

138 16.6 15.5 23.3

277 24.9 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 9.783 ng

RT: 23.098 min Scan# 3402

Delta R.T. -0.006 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

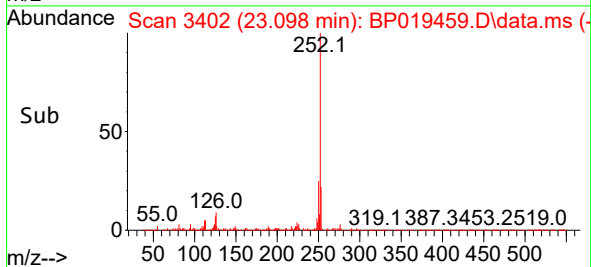
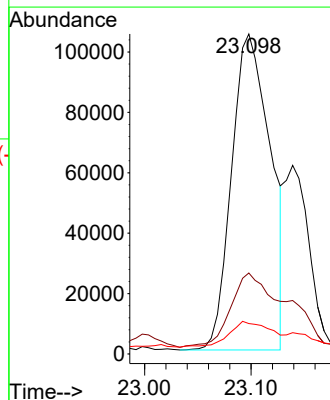
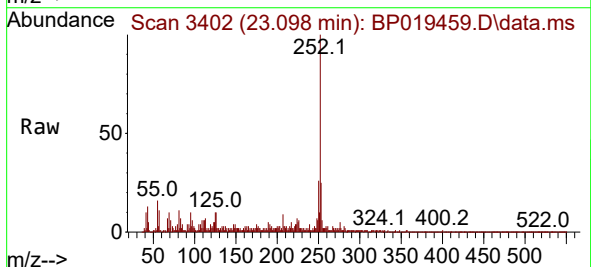
Tgt Ion:252 Resp: 265129

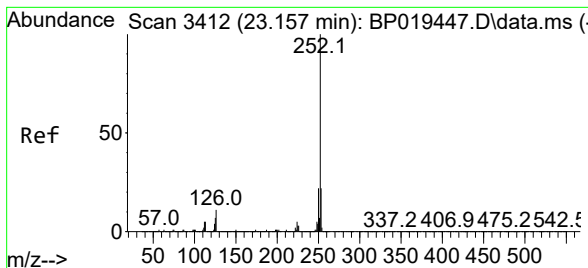
Ion Ratio Lower Upper

252 100

253 25.3 17.6 26.4

125 9.5 6.5 9.7





#89

Benzo(k)fluoranthene

Concen: 10.286 ng

RT: 23.098 min Scan# 3412

Delta R.T. -0.059 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

Instrument :

BNA_P

ClientSampleId :

CL-02-012424

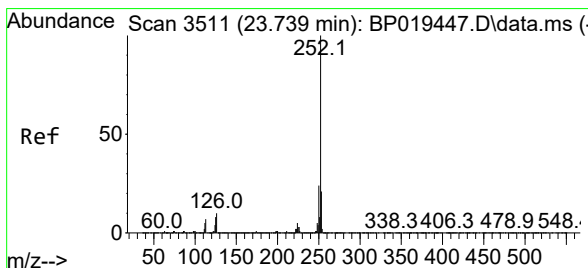
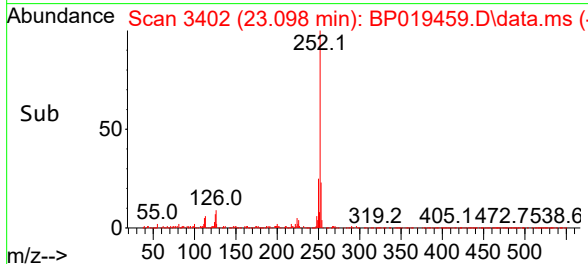
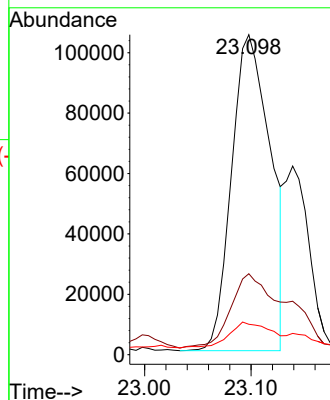
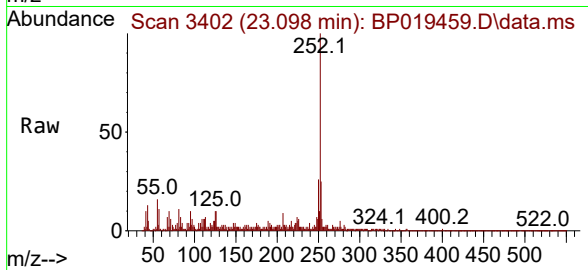
Tgt Ion:252 Resp: 265129

Ion Ratio Lower Upper

252 100

253 25.3 17.6 26.4

125 9.5 5.9 8.9#



#90

Benzo(a)pyrene

Concen: 9.232 ng

RT: 23.727 min Scan# 3509

Delta R.T. -0.012 min

Lab File: BP019459.D

Acq: 26 Jan 2024 21:52

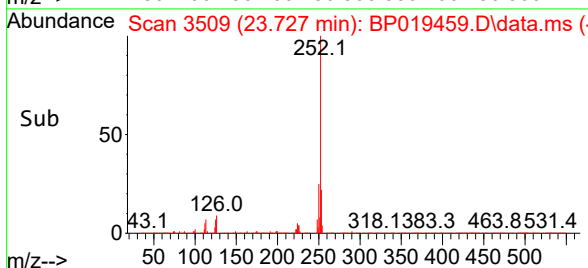
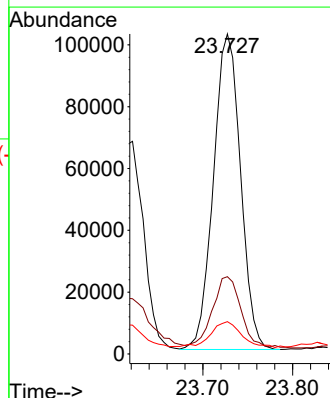
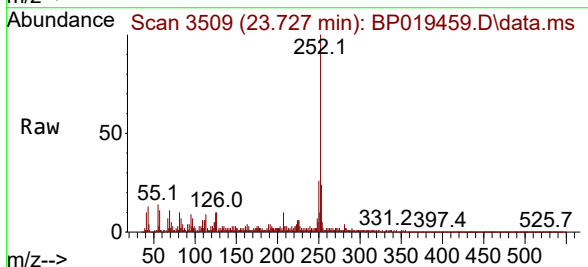
Tgt Ion:252 Resp: 213909

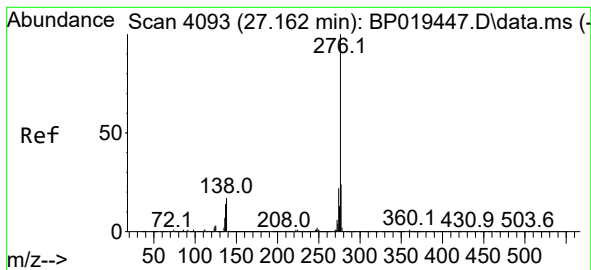
Ion Ratio Lower Upper

252 100

253 24.2 17.0 25.4

125 10.1 6.6 10.0#





#92

Benzo(g,h,i)perylene

Concen: 6.240 ng

RT: 27.156 min Scan# 4092

Delta R.T. -0.006 min

Lab File: BP019459.D

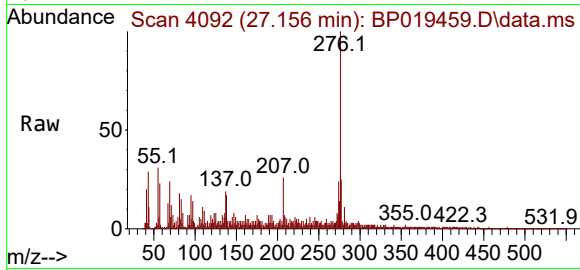
Acq: 26 Jan 2024 21:52

Instrument :

BNA_P

ClientSampleId :

CL-02-012424



Tgt Ion:276 Resp: 132610

Ion Ratio Lower Upper

276 100

277 25.2 18.9 28.3

138 17.4 13.9 20.9

