

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012624\
 Data File : BP019457.D
 Acq On : 26 Jan 2024 20:44
 Operator : MA/JU
 Sample : P1240-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-11985

Quant Time: Jan 27 00:18:02 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)

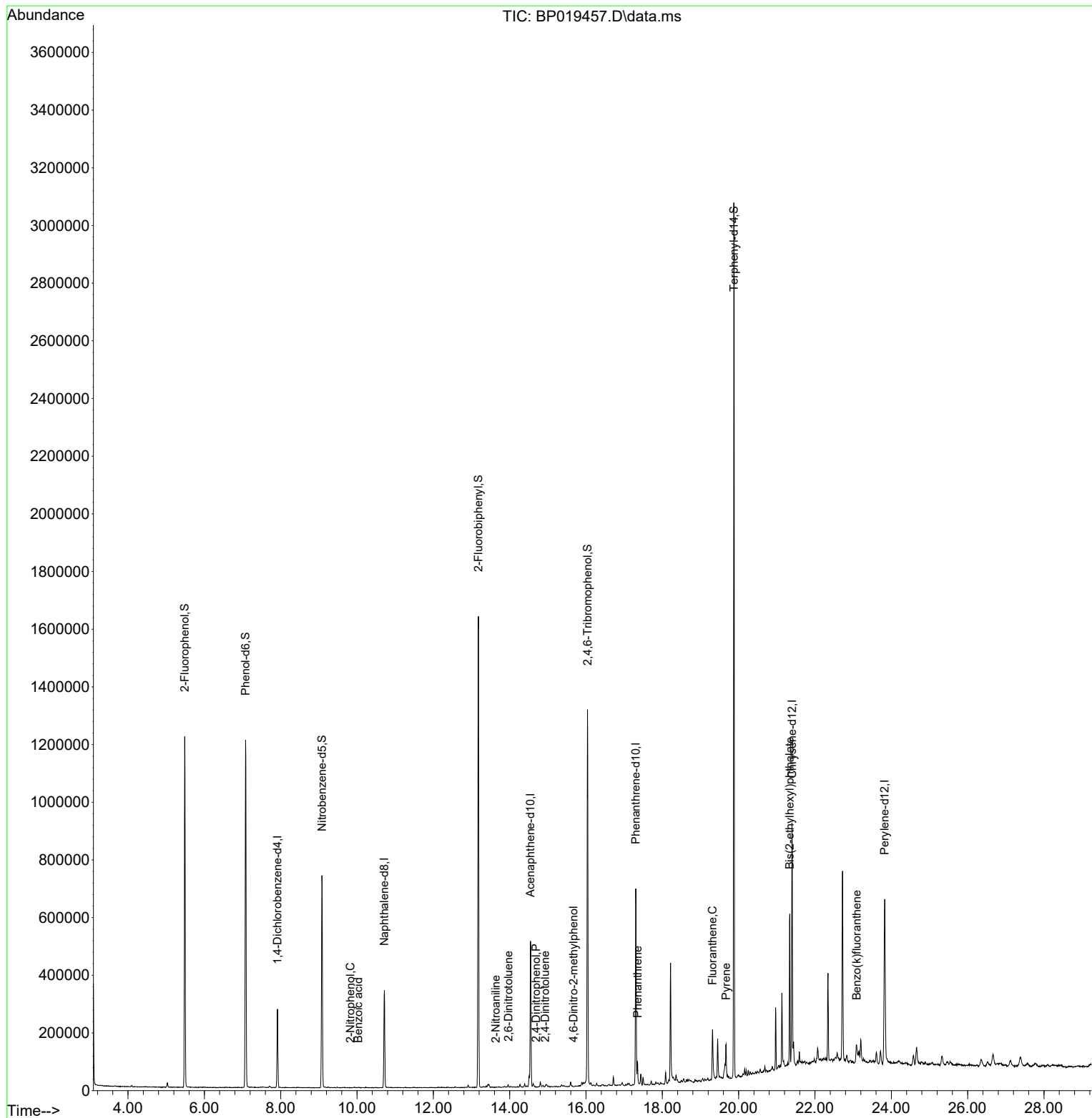
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	65977	20.000	ng	-0.01
21) Naphthalene-d8	10.716	136	262656	20.000	ng	-0.01
39) Acenaphthene-d10	14.545	164	170795	20.000	ng	-0.01
64) Phenanthrene-d10	17.304	188	390669	20.000	ng	-0.01
76) Chrysene-d12	21.398	240	386243	20.000	ng	-0.01
86) Perylene-d12	23.827	264	439967	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	450196	107.350	ng	-0.01
7) Phenol-d6	7.081	99	614923	99.267	ng	-0.01
23) Nitrobenzene-d5	9.081	82	410985	70.471	ng	-0.02
42) 2,4,6-Tribromophenol	16.039	330	211000	95.396	ng	-0.01
45) 2-Fluorobiphenyl	13.181	172	820984	63.710	ng	-0.01
79) Terphenyl-d14	19.874	244	1404758	59.629	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	7.081	77	1707	Below Cal	#	14
26) 2-Nitrophenol	9.828	139	25	3.090 ng	#	1
32) Benzoic acid	10.034	122	29	6.985 ng	#	1
48) 2-Nitroaniline	13.639	65	178	4.188 ng	#	60
51) 2,6-Dinitrotoluene	13.969	165	44	3.026 ng		88
54) 2,4-Dinitrophenol	14.692	184	7	2.050 ng	#	1
57) 2,4-Dinitrotoluene	14.928	165	110	3.747 ng	#	69
65) 4,6-Dinitro-2-methylph...	15.675	198	13	8.132 ng	#	1
71) Phenanthrene	17.351	178	46781	2.250 ng		99
75) Fluoranthene	19.316	202	86074	3.184 ng		100
78) Pyrene	19.669	202	72706	2.604 ng		99
84) Bis(2-ethylhexyl)phtha...	21.339	149	172914	9.847 ng		100
89) Benzo(k)fluoranthene	23.092	252	56803	2.028 ng	#	97

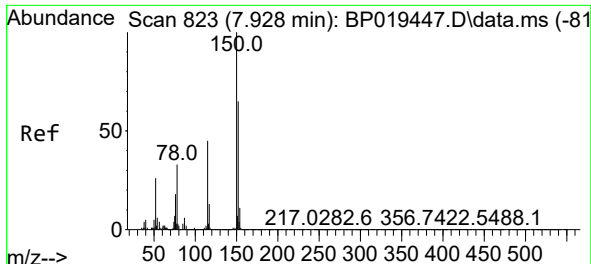
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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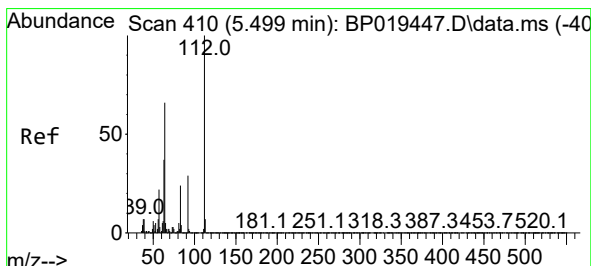
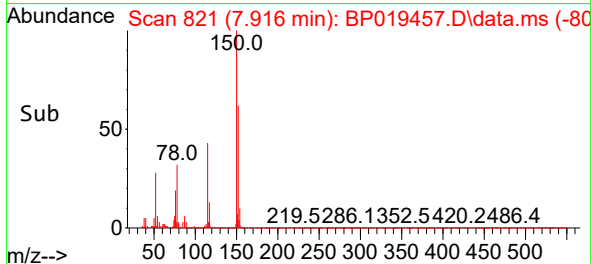
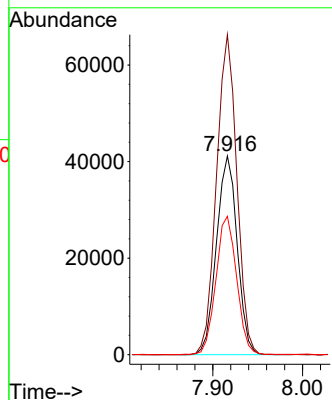
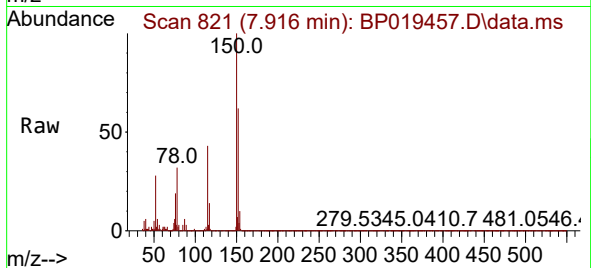




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.916 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP019457.D
Acq: 26 Jan 2024 20:44

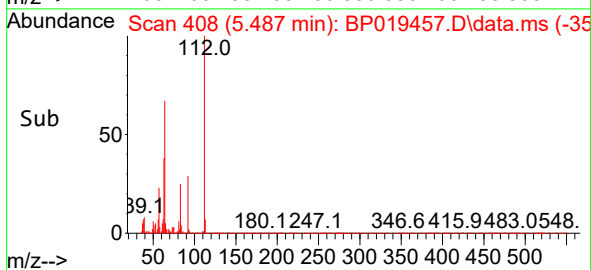
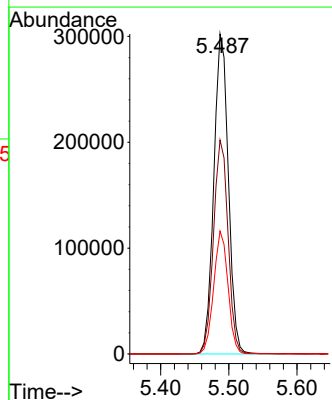
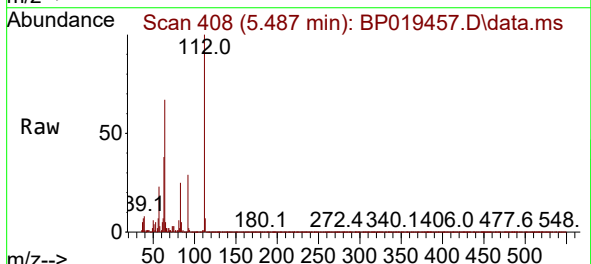
Instrument :
BNA_P
ClientSampleId :
72-11985

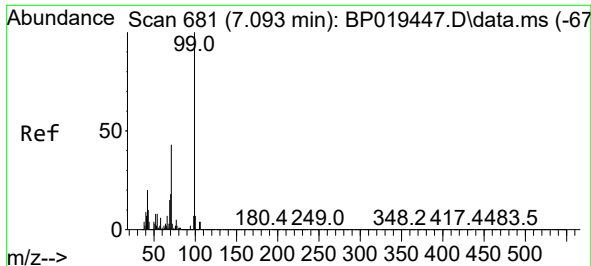
Tgt Ion:152 Resp: 65977
Ion Ratio Lower Upper
152 100
150 161.0 123.5 185.3
115 69.7 55.1 82.7



#5
2-Fluorophenol
Concen: 107.350 ng
RT: 5.487 min Scan# 408
Delta R.T. -0.012 min
Lab File: BP019457.D
Acq: 26 Jan 2024 20:44

Tgt Ion:112 Resp: 450196
Ion Ratio Lower Upper
112 100
64 66.9 53.1 79.7
63 38.4 29.4 44.0





#7

Phenol-d6

Concen: 99.267 ng

RT: 7.081 min Scan# 61

Delta R.T. -0.012 min

Lab File: BP019457.D

Acq: 26 Jan 2024 20:44

Instrument :

BNA_P

ClientSampleId :

72-11985

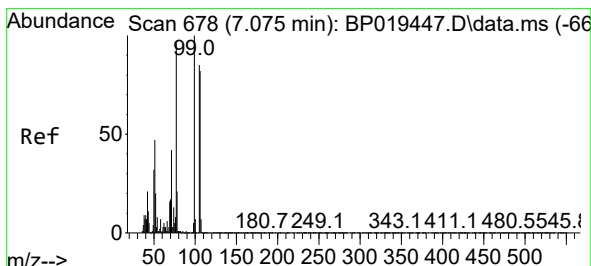
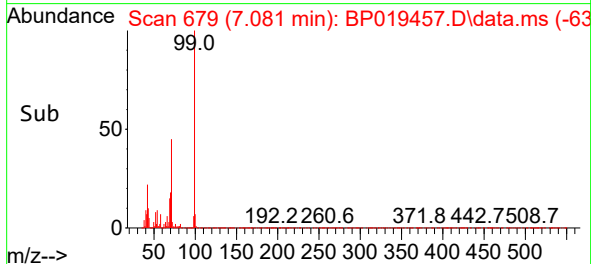
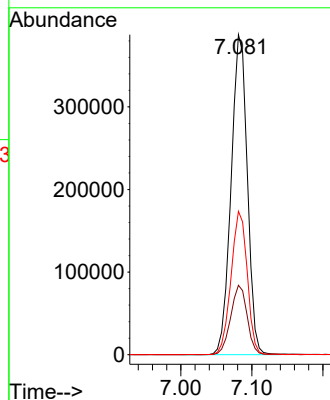
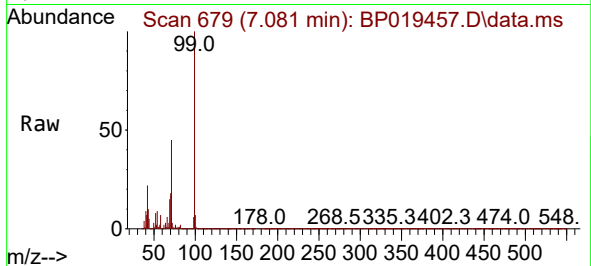
Tgt Ion: 99 Resp: 614923

Ion Ratio Lower Upper

99 100

42 21.7 16.4 24.6

71 44.8 34.6 52.0



#9

Benzaldehyde

Concen: Below Cal

RT: 7.081 min Scan# 679

Delta R.T. 0.006 min

Lab File: BP019457.D

Acq: 26 Jan 2024 20:44

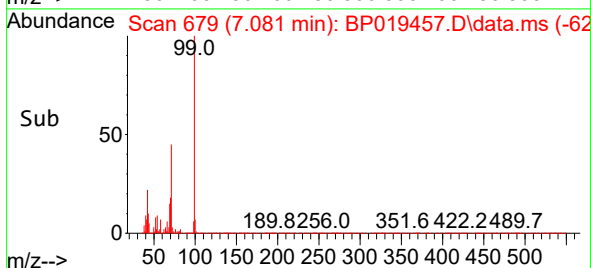
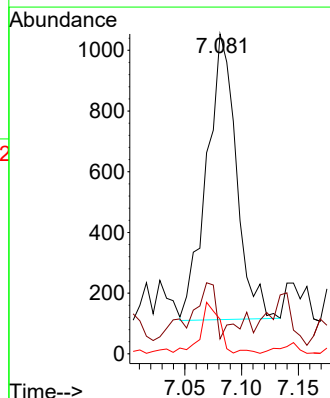
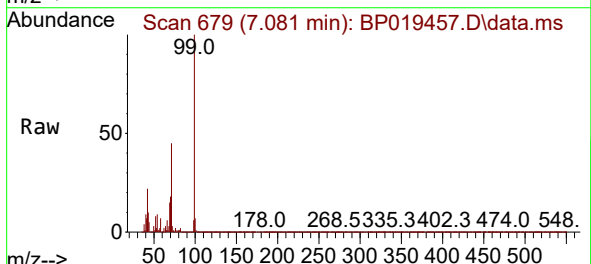
Tgt Ion: 77 Resp: 1707

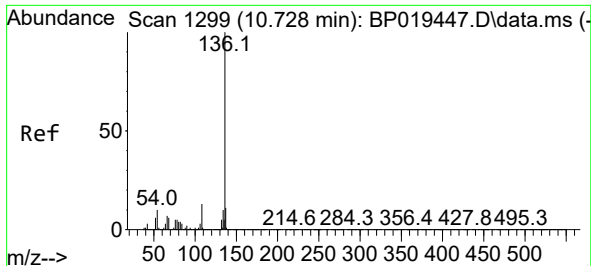
Ion Ratio Lower Upper

77 100

105 4.6 69.0 109.0#

106 10.8 65.1 105.1#

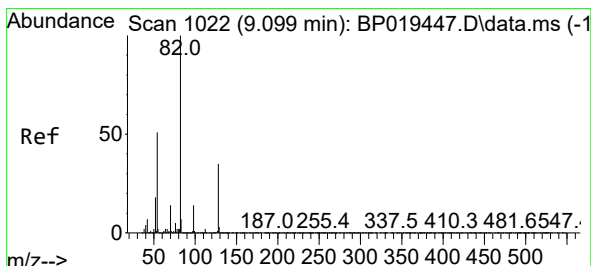
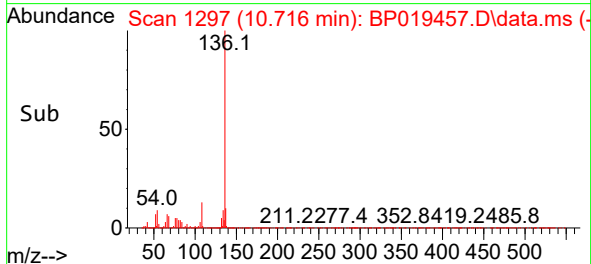
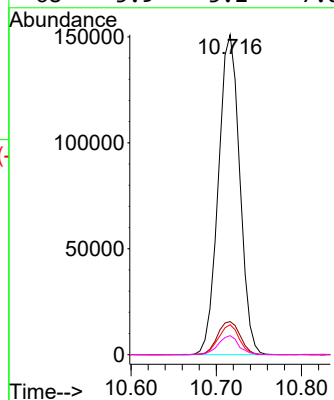
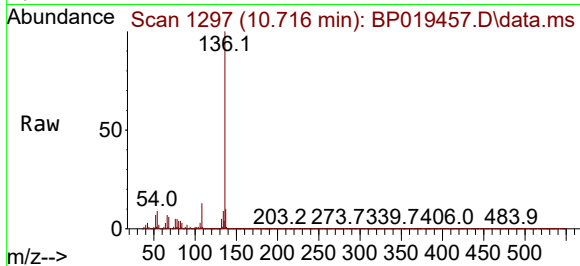




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.716 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP019457.D
Acq: 26 Jan 2024 20:44

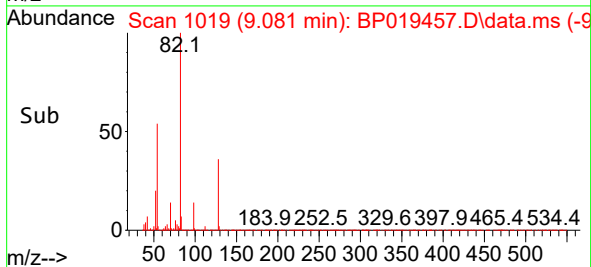
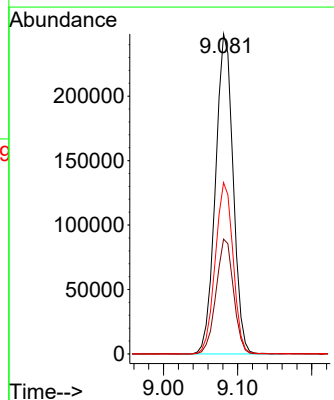
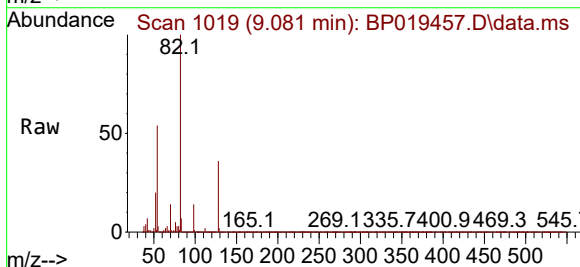
Instrument :
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72-11985

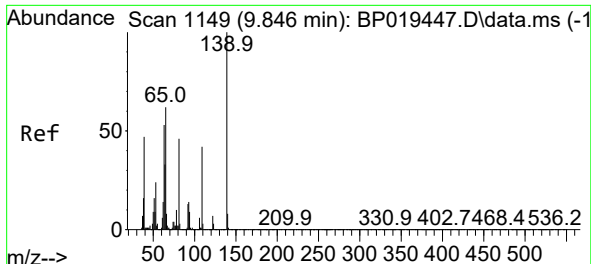
Tgt Ion:	136	Resp:	262656
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	9.3	7.8	11.6
68	5.9	5.2	7.8



#23
Nitrobenzene-d5
Concen: 70.471 ng
RT: 9.081 min Scan# 1019
Delta R.T. -0.018 min
Lab File: BP019457.D
Acq: 26 Jan 2024 20:44

Tgt Ion:	82	Resp:	410985
Ion	Ratio	Lower	Upper
82	100		
128	35.9	28.2	42.2
54	53.5	41.1	61.7

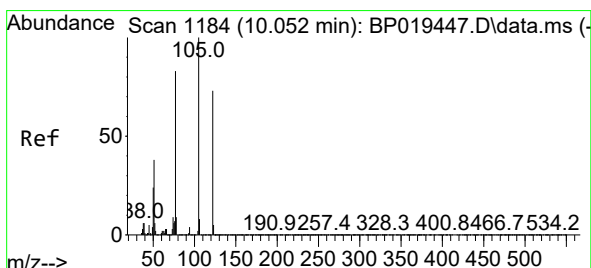
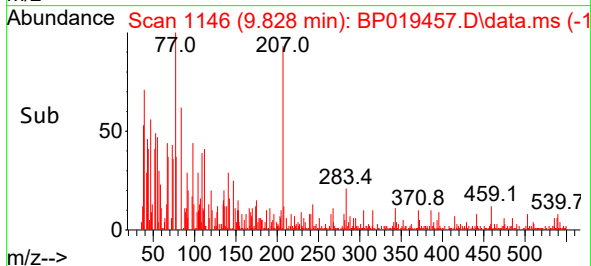
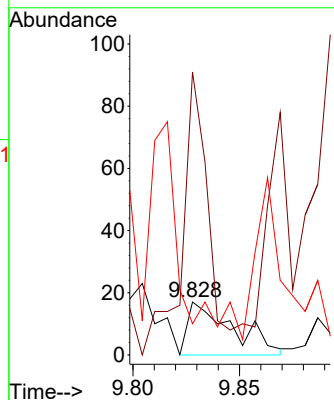
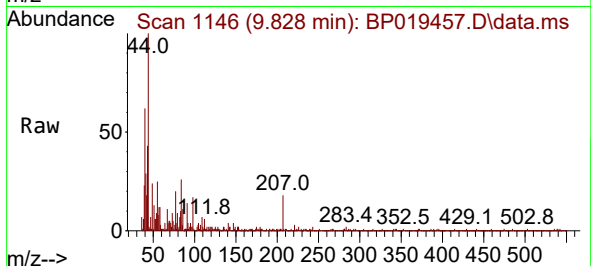




#26
2-Nitrophenol
Concen: 3.090 ng
RT: 9.828 min Scan# 1146
Delta R.T. -0.018 min
Lab File: BP019457.D
Acq: 26 Jan 2024 20:44

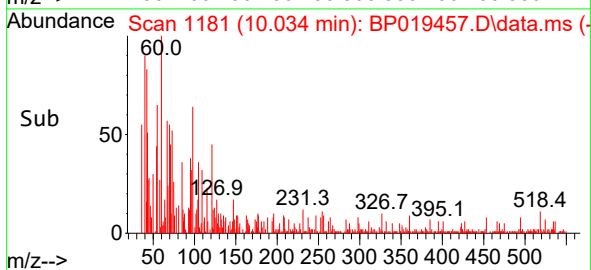
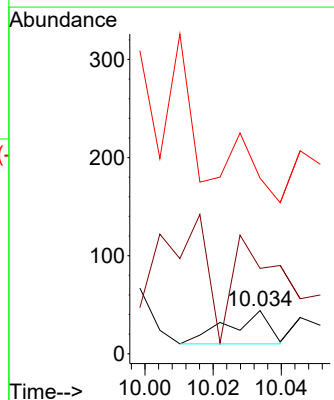
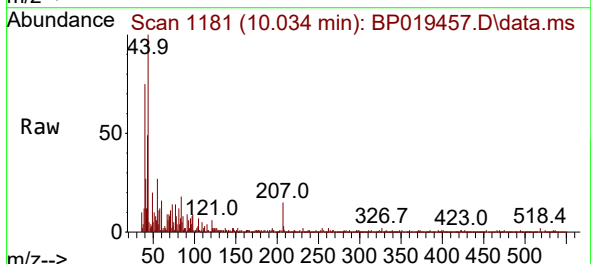
Instrument :
BNA_P
ClientSampleId :
72-11985

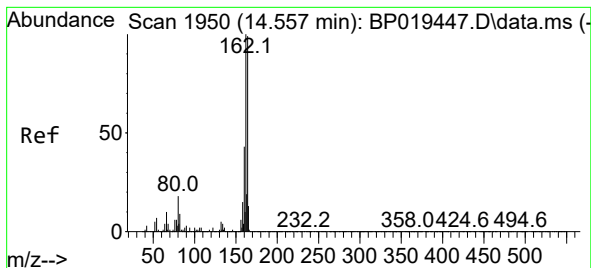
Tgt Ion:139 Resp: 25
Ion Ratio Lower Upper
139 100
109 535.3 33.5 50.3#
65 58.8 49.7 74.5



#32
Benzoic acid
Concen: 6.985 ng
RT: 10.034 min Scan# 1181
Delta R.T. -0.018 min
Lab File: BP019457.D
Acq: 26 Jan 2024 20:44

Tgt Ion:122 Resp: 29
Ion Ratio Lower Upper
122 100
105 197.7 115.0 155.0#
77 406.8 91.6 131.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.545 min Scan# 1948

Delta R.T. -0.012 min

Lab File: BP019457.D

Acq: 26 Jan 2024 20:44

Instrument :

BNA_P

ClientSampleId :

72-11985

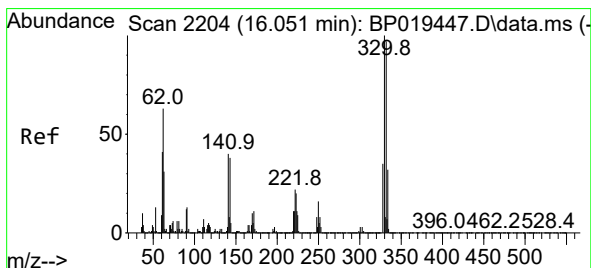
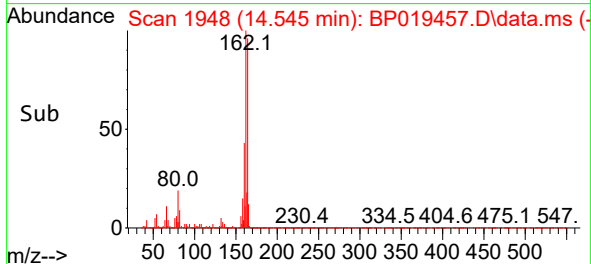
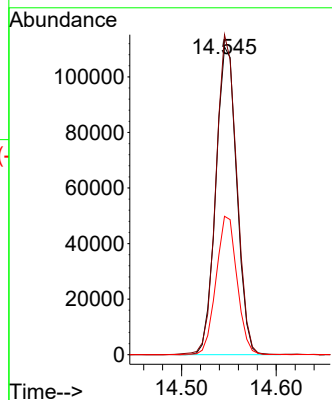
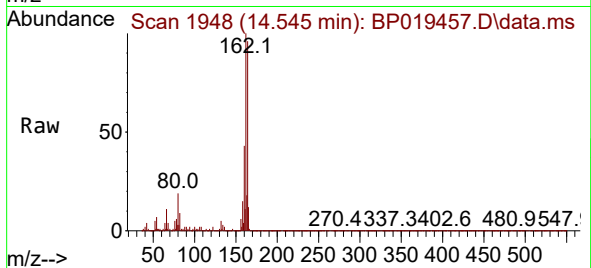
Tgt Ion:164 Resp: 170795

Ion Ratio Lower Upper

164 100

162 104.0 80.8 121.2

160 45.0 35.0 52.6



#42

2,4,6-Tribromophenol

Concen: 95.396 ng

RT: 16.039 min Scan# 2202

Delta R.T. -0.012 min

Lab File: BP019457.D

Acq: 26 Jan 2024 20:44

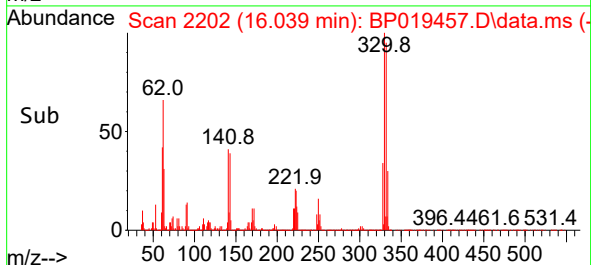
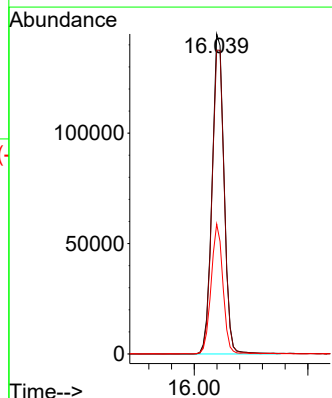
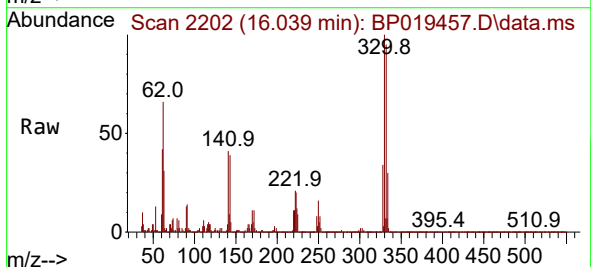
Tgt Ion:330 Resp: 211000

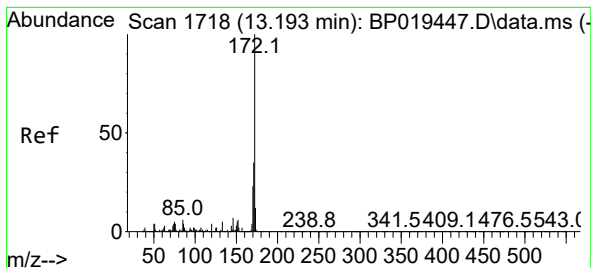
Ion Ratio Lower Upper

330 100

332 96.9 77.1 115.7

141 39.8 30.9 46.3





#45

2-Fluorobiphenyl

Concen: 63.710 ng

RT: 13.181 min Scan# 1716

Delta R.T. -0.012 min

Lab File: BP019457.D

Acq: 26 Jan 2024 20:44

Instrument :

BNA_P

ClientSampleId :

72-11985

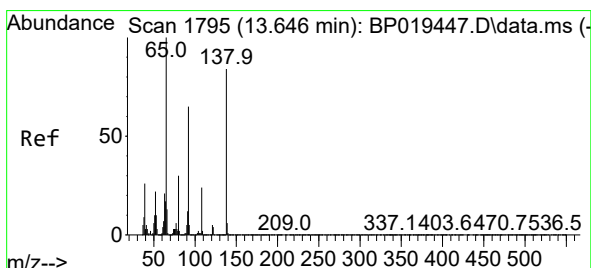
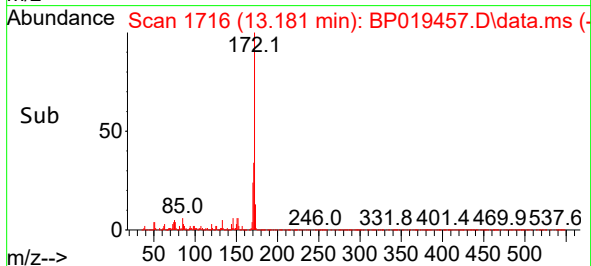
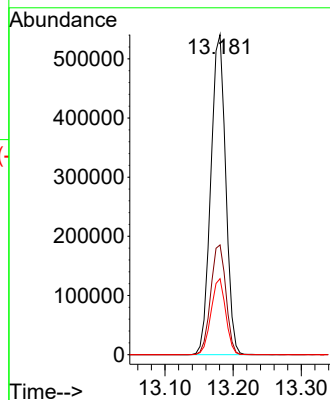
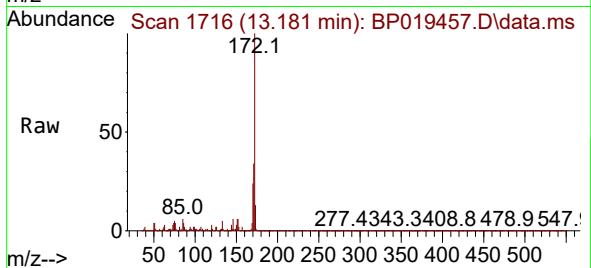
Tgt Ion:172 Resp: 820984

Ion Ratio Lower Upper

172 100

171 34.3 27.9 41.9

170 23.7 18.7 28.1



#48

2-Nitroaniline

Concen: 4.188 ng

RT: 13.639 min Scan# 1794

Delta R.T. -0.007 min

Lab File: BP019457.D

Acq: 26 Jan 2024 20:44

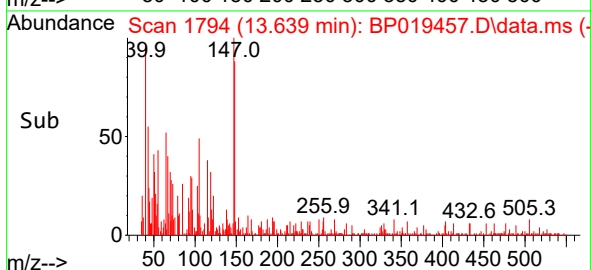
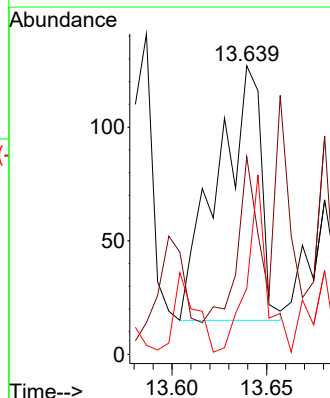
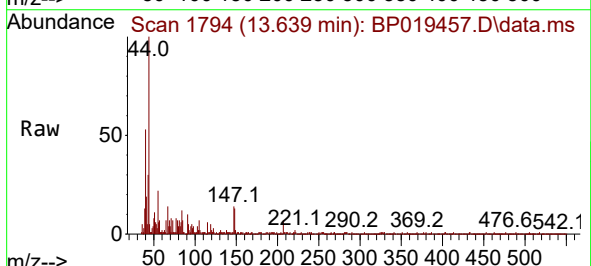
Tgt Ion: 65 Resp: 178

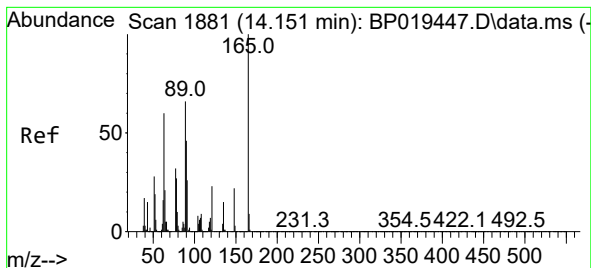
Ion Ratio Lower Upper

65 100

92 68.5 51.9 77.9

138 22.8 67.0 100.6#





#51

2,6-Dinitrotoluene

Concen: 3.026 ng

RT: 13.969 min Scan# 11

Delta R.T. -0.182 min

Lab File: BP019457.D

Acq: 26 Jan 2024 20:44

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72-11985

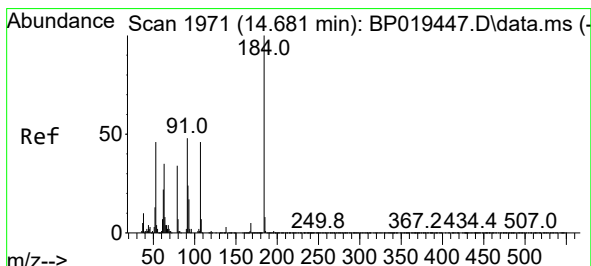
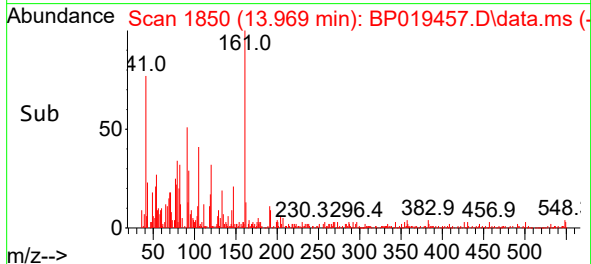
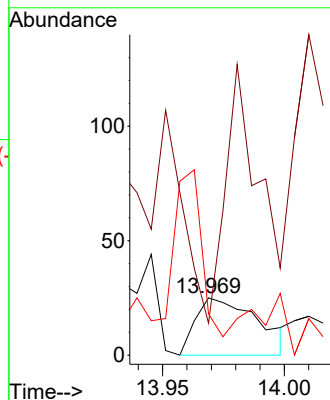
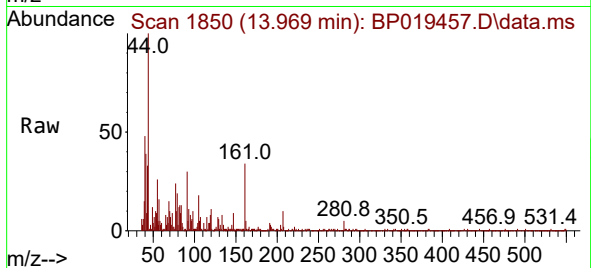
Tgt Ion:165 Resp: 44

Ion Ratio Lower Upper

165 100

63 56.0 55.6 83.4

89 72.0 53.0 79.6



#54

2,4-Dinitrophenol

Concen: 2.050 ng

RT: 14.692 min Scan# 1973

Delta R.T. 0.011 min

Lab File: BP019457.D

Acq: 26 Jan 2024 20:44

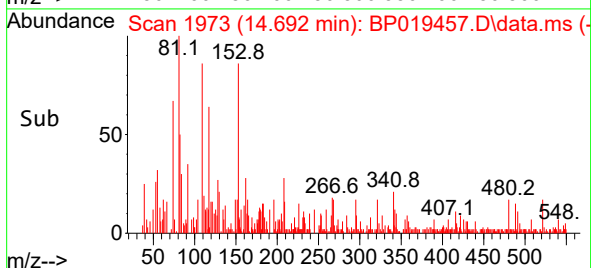
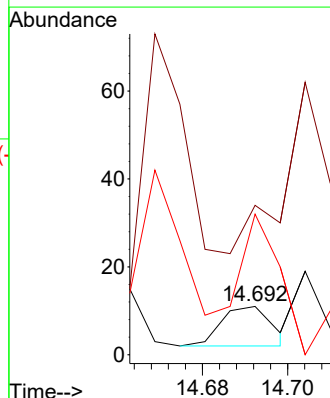
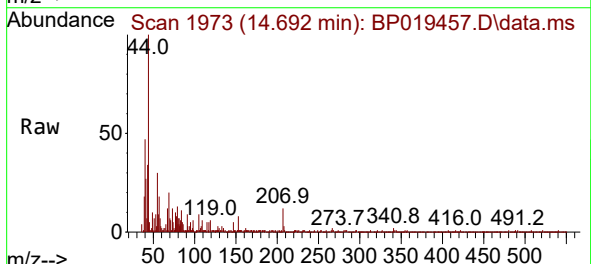
Tgt Ion:184 Resp: 7

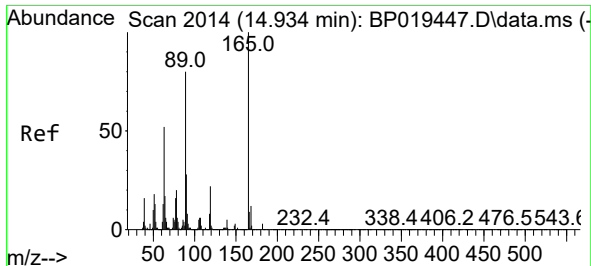
Ion Ratio Lower Upper

184 100

63 309.1 54.3 81.5#

154 290.9 51.1 76.7#





#57

2,4-Dinitrotoluene

Concen: 3.747 ng

RT: 14.928 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BP019457.D

Acq: 26 Jan 2024 20:44

Instrument :

BNA_P

ClientSampleId :

72-11985

Tgt Ion:165 Resp: 110

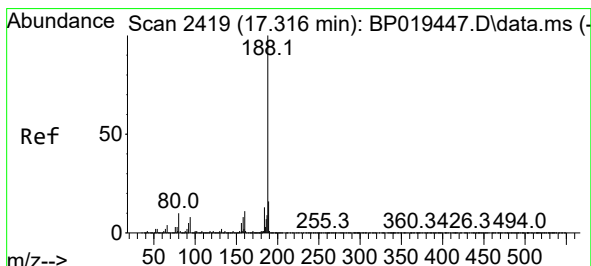
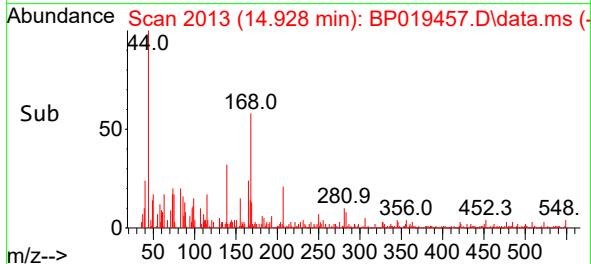
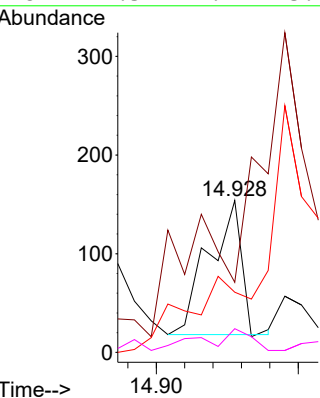
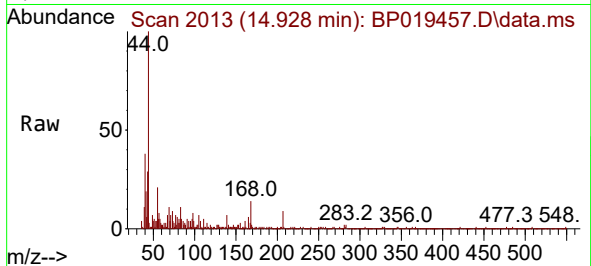
Ion Ratio Lower Upper

165 100

63 46.1 41.4 62.0

89 39.6 64.2 96.4#

182 17.5 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.304 min Scan# 2417

Delta R.T. -0.012 min

Lab File: BP019457.D

Acq: 26 Jan 2024 20:44

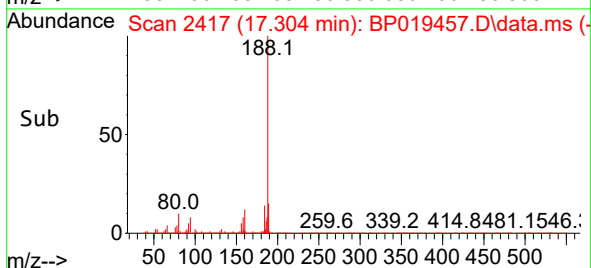
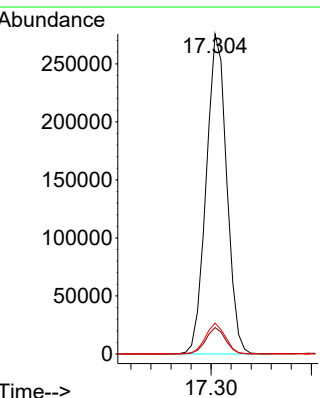
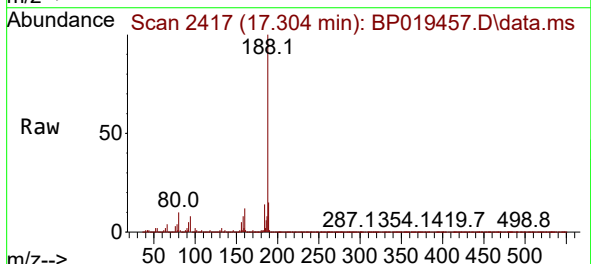
Tgt Ion:188 Resp: 390669

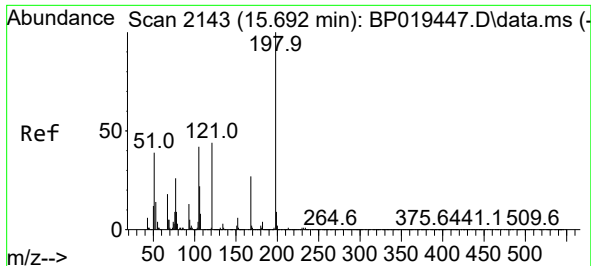
Ion Ratio Lower Upper

188 100

94 8.3 6.2 9.2

80 9.6 8.1 12.1

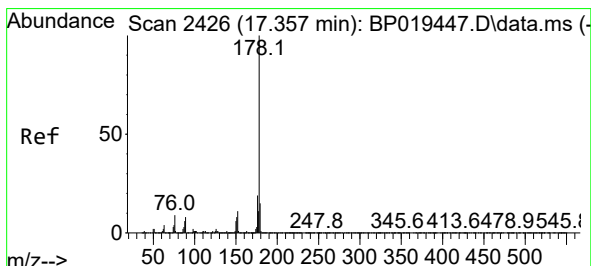
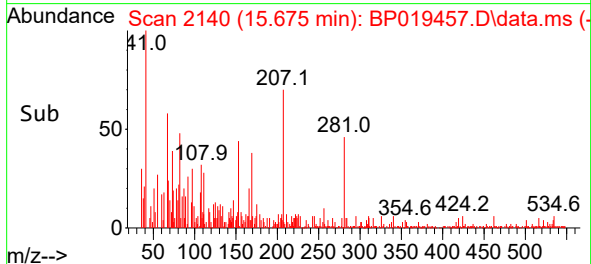
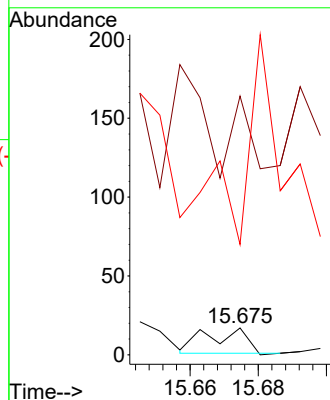
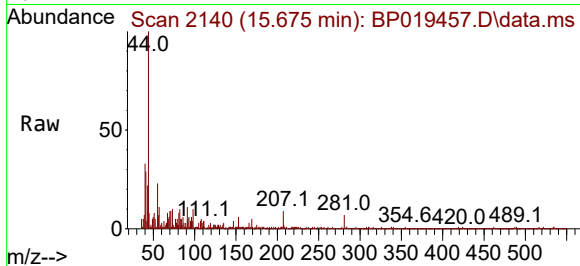




#65
4,6-Dinitro-2-methylphenol
Concen: 8.132 ng
RT: 15.675 min Scan# 2143
Delta R.T. -0.017 min
Lab File: BP019457.D
Acq: 26 Jan 2024 20:44

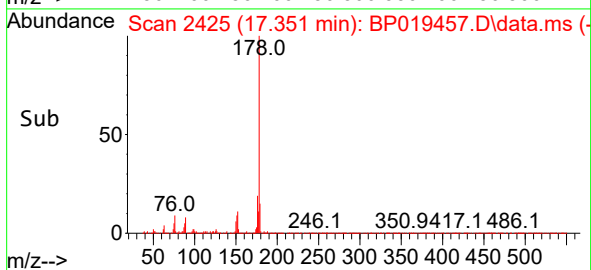
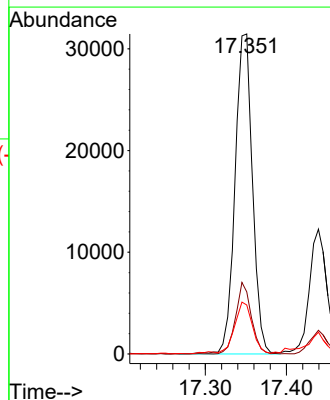
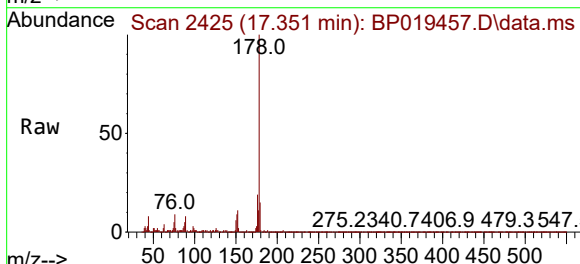
Instrument :
BNA_P
ClientSampleId :
72-11985

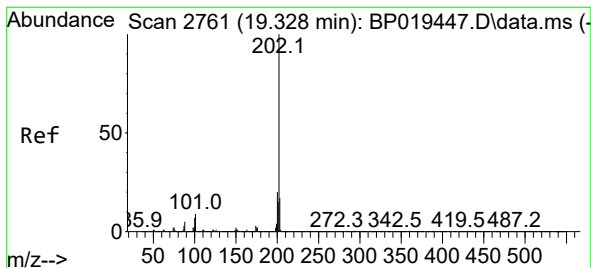
Tgt Ion:198 Resp: 13
Ion Ratio Lower Upper
198 100
51 964.7 32.3 72.3#
105 435.3 24.1 64.1#



#71
Phenanthrene
Concen: 2.250 ng
RT: 17.351 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP019457.D
Acq: 26 Jan 2024 20:44

Tgt Ion:178 Resp: 46781
Ion Ratio Lower Upper
178 100
176 19.4 15.0 22.4
179 15.3 12.2 18.4





#75

Fluoranthene

Concen: 3.184 ng

RT: 19.316 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP019457.D

Acq: 26 Jan 2024 20:44

Instrument :

BNA_P

ClientSampleId :

72-11985

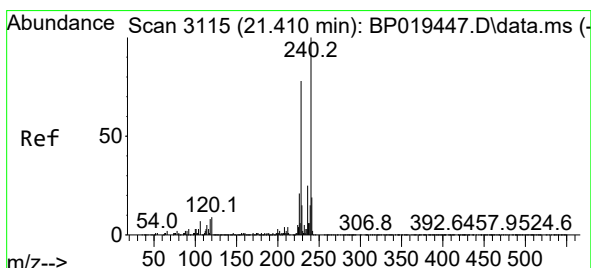
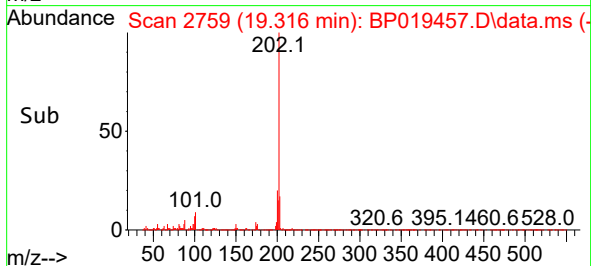
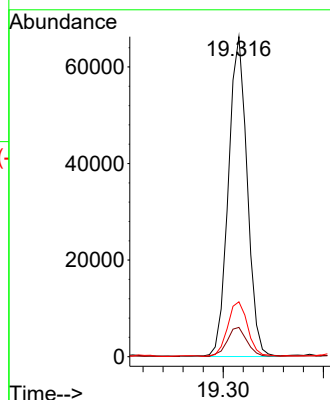
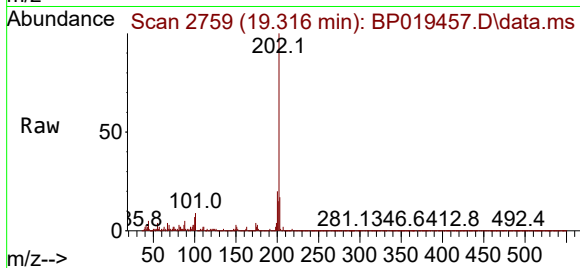
Tgt Ion:202 Resp: 86074

Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.1

203 17.1 0.0 37.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.398 min Scan# 3113

Delta R.T. -0.012 min

Lab File: BP019457.D

Acq: 26 Jan 2024 20:44

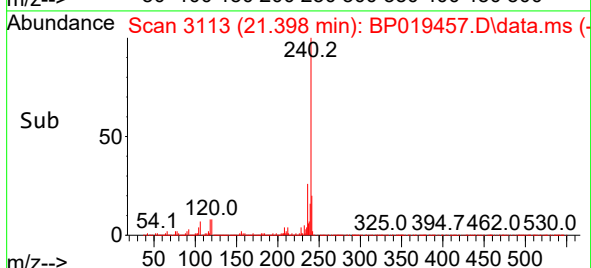
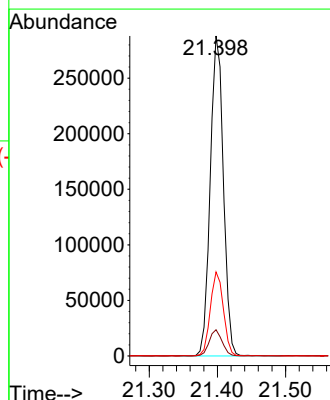
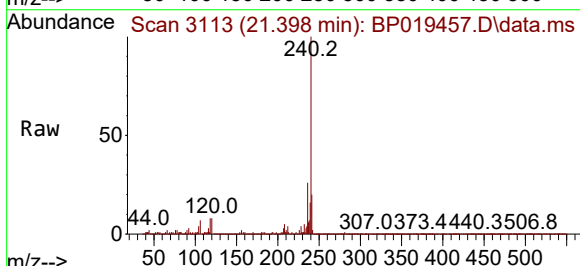
Tgt Ion:240 Resp: 386243

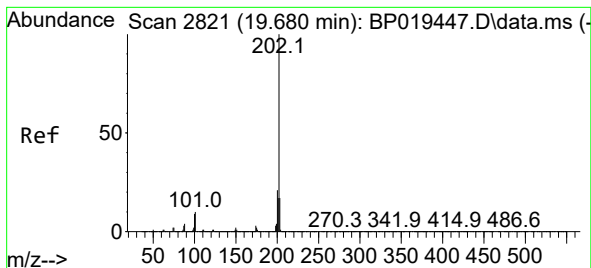
Ion Ratio Lower Upper

240 100

120 8.2 6.9 10.3

236 26.2 19.8 29.8





#78

Pyrene

Concen: 2.604 ng

RT: 19.669 min Scan# 2819

Delta R.T. -0.012 min

Lab File: BP019457.D

Acq: 26 Jan 2024 20:44

Instrument :

BNA_P

ClientSampleId :

72-11985

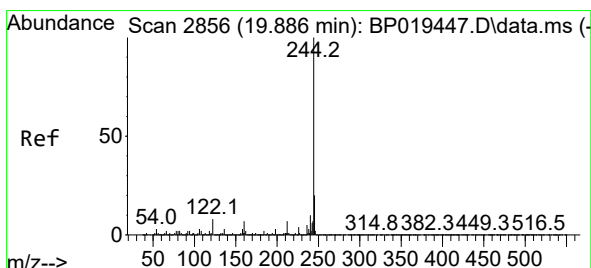
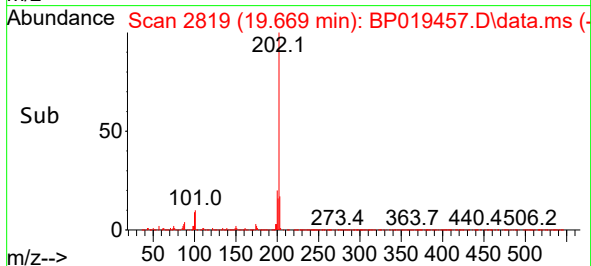
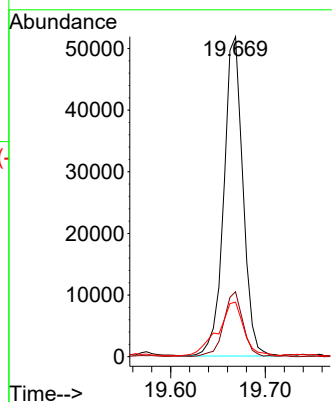
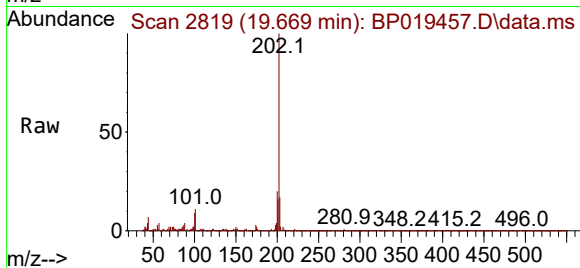
Tgt Ion:202 Resp: 72706

Ion Ratio Lower Upper

202 100

200 20.3 16.5 24.7

203 17.0 13.9 20.9



#79

Terphenyl-d14

Concen: 59.629 ng

RT: 19.874 min Scan# 2854

Delta R.T. -0.012 min

Lab File: BP019457.D

Acq: 26 Jan 2024 20:44

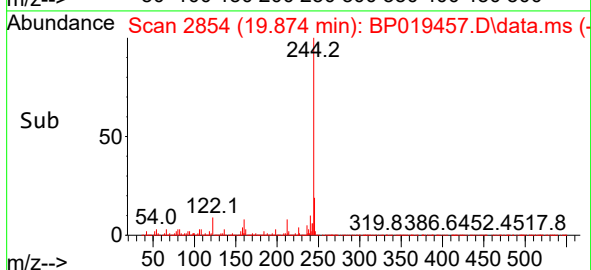
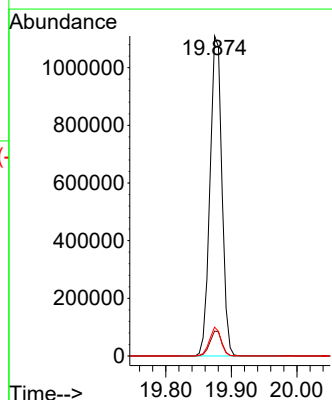
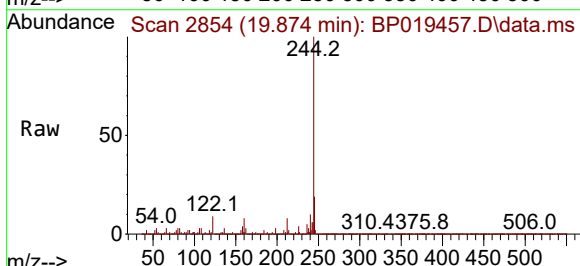
Tgt Ion:244 Resp: 1404758

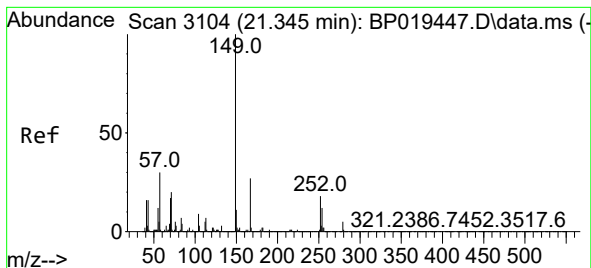
Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

122 9.0 6.6 10.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 9.847 ng

RT: 21.339 min Scan# 3104

Delta R.T. -0.006 min

Lab File: BP019457.D

Acq: 26 Jan 2024 20:44

Instrument :

BNA_P

ClientSampleId :

72-11985

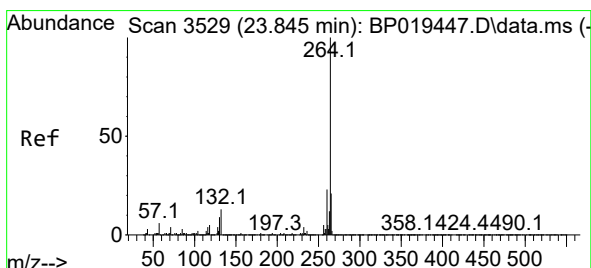
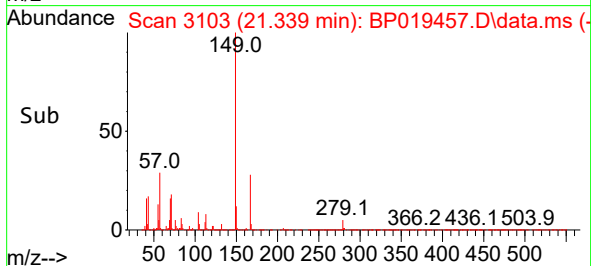
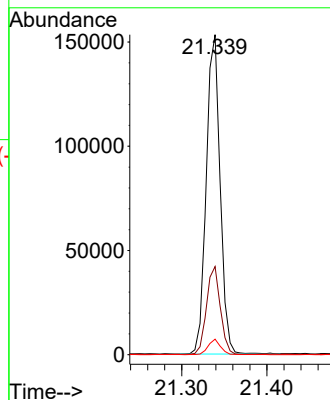
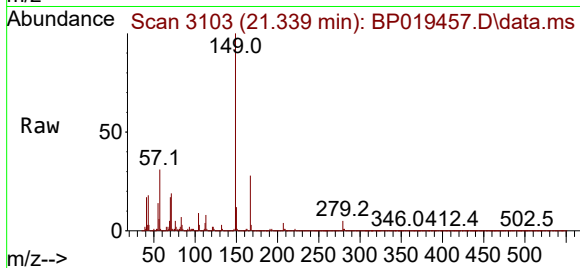
Tgt Ion:149 Resp: 172914

Ion Ratio Lower Upper

149 100

167 27.5 22.0 33.0

279 4.8 3.7 5.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.827 min Scan# 3526

Delta R.T. -0.018 min

Lab File: BP019457.D

Acq: 26 Jan 2024 20:44

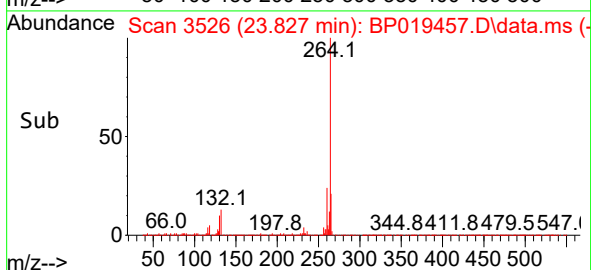
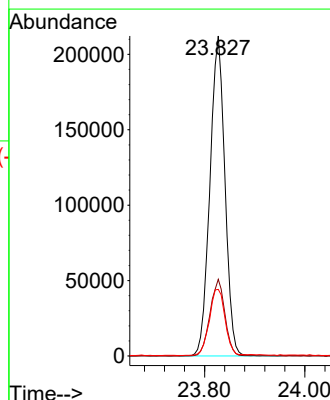
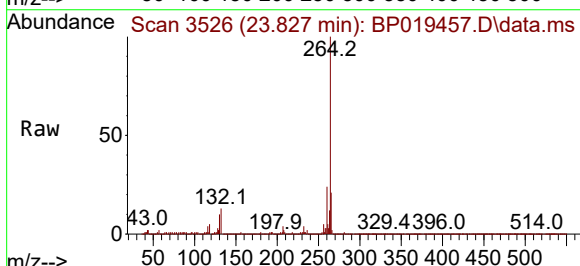
Tgt Ion:264 Resp: 439967

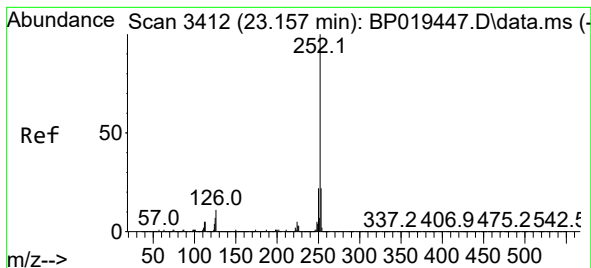
Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 20.8 16.4 24.6





#89

Benzo(k)fluoranthene

Concen: 2.028 ng

RT: 23.092 min Scan# 34

Delta R.T. -0.065 min

Lab File: BP019457.D

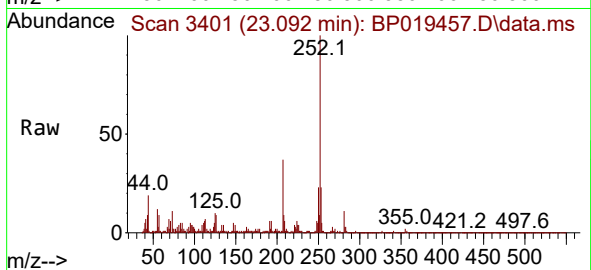
Acq: 26 Jan 2024 20:44

Instrument :

BNA_P

ClientSampleId :

72-11985



Tgt Ion:252 Resp: 56803

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 9.6 5.9 8.9#

