

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021524\
 Data File : BP019734.D
 Acq On : 15 Feb 2024 21:26
 Operator : MA/JU
 Sample : P1464-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Feb 16 00:56:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

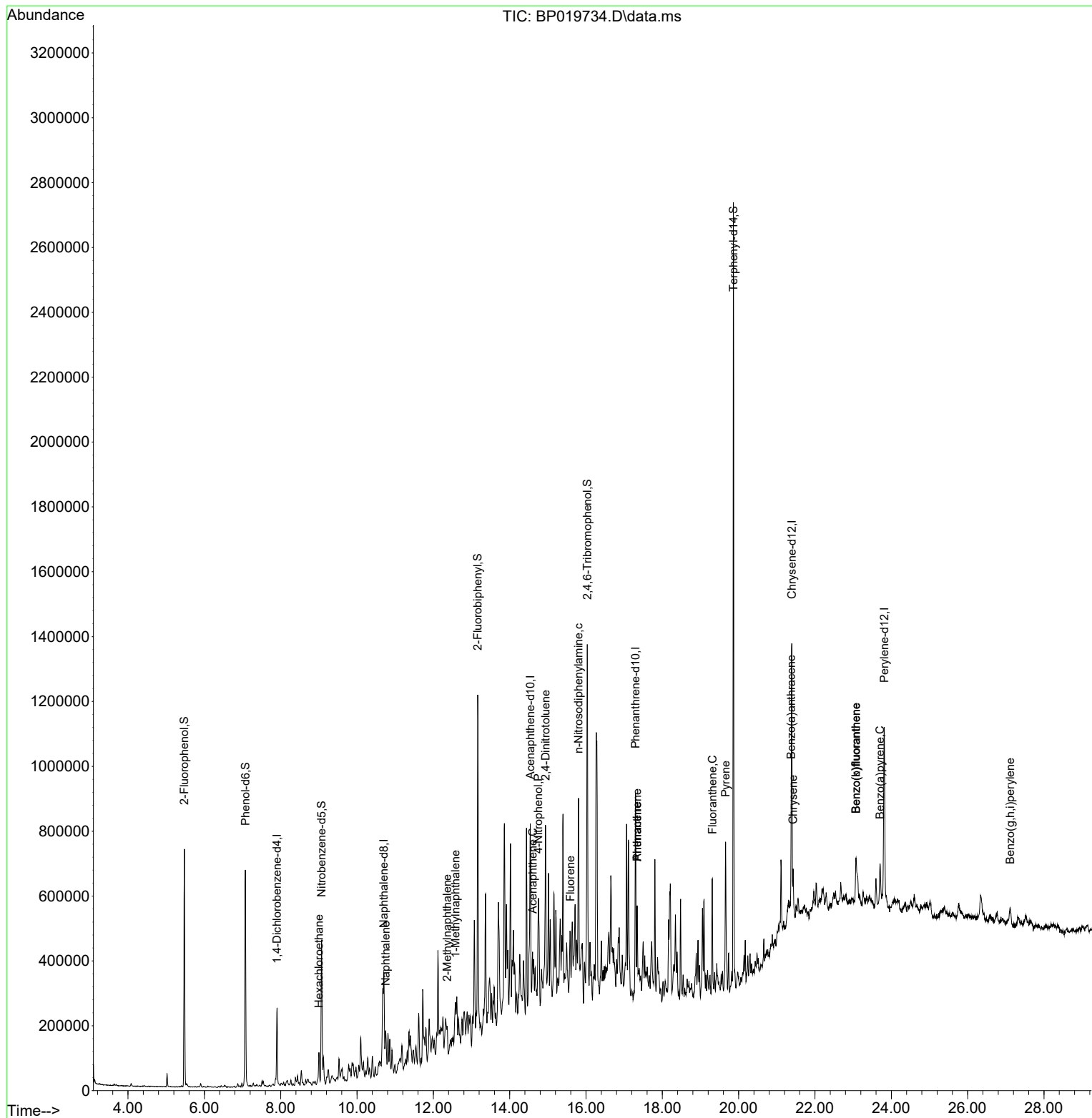
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	66007	20.000	ng	-0.01
21) Naphthalene-d8	10.704	136	232568	20.000	ng	-0.01
39) Acenaphthene-d10	14.539	164	151586	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	358586	20.000	ng	0.00
76) Chrysene-d12	21.392	240	407310	20.000	ng	# 0.00
86) Perylene-d12	23.815	264	486049	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	299789	73.210	ng	-0.01
7) Phenol-d6	7.075	99	376803	68.243	ng	-0.01
23) Nitrobenzene-d5	9.069	82	257919	48.055	ng	-0.02
42) 2,4,6-Tribromophenol	16.033	330	214379	96.861	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	571377	46.597	ng	-0.02
79) Terphenyl-d14	19.863	244	1188416	47.983	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	9.004	117	9648	4.776	ng	# 1
31) Naphthalene	10.751	128	43276	3.393	ng	# 89
37) 2-Methylnaphthalene	12.363	142	41637	4.717	ng	96
38) 1-Methylnaphthalene	12.581	142	58894	6.789	ng	# 97
52) Acenaphthene	14.604	154	28377	3.281	ng	98
56) 4-Nitrophenol	14.751	139	15592	8.119	ng	# 37
57) 2,4-Dinitrotoluene	14.939	165	12748	3.816	ng	# 56
58) Fluorene	15.592	166	43414	3.870	ng	# 94
66) n-Nitrosodiphenylamine	15.804	169	69653	6.486	ng	# 51
71) Phenanthrene	17.339	178	173692	9.204	ng	98
72) Anthracene	17.339	178	173692	9.227	ng	97
75) Fluoranthene	19.310	202	188011	8.156	ng	97
78) Pyrene	19.657	202	208015	7.236	ng	98
81) Benzo(a)anthracene	21.374	228	108716	3.792	ng	# 92
83) Chrysene	21.427	228	102746	3.775	ng	# 95
88) Benzo(b)fluoranthene	23.074	252	182368	5.953	ng	# 88
89) Benzo(k)fluoranthene	23.074	252	182368	6.232	ng	# 88
90) Benzo(a)pyrene	23.704	252	101526	3.725	ng	# 91
92) Benzo(g,h,i)perylene	27.115	276	71783	2.312	ng	96

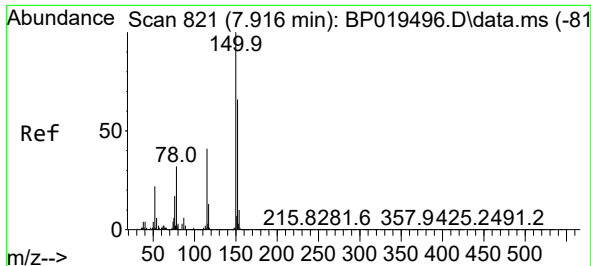
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021524\
Data File : BP019734.D
Acq On : 15 Feb 2024 21:26
Operator : MA/JU
Sample : P1464-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Feb 16 00:56:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 01 00:51:48 2024
Response via : Initial Calibration

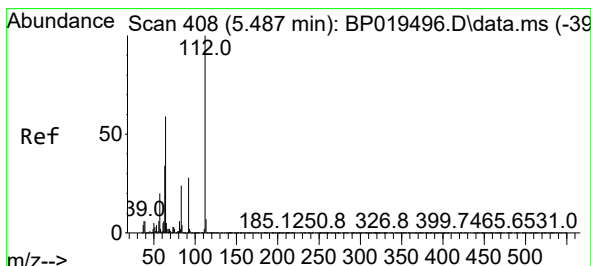
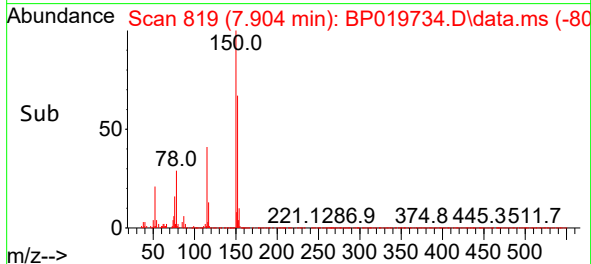
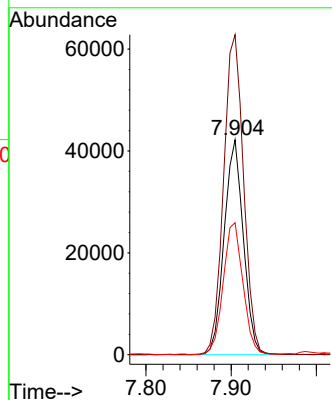
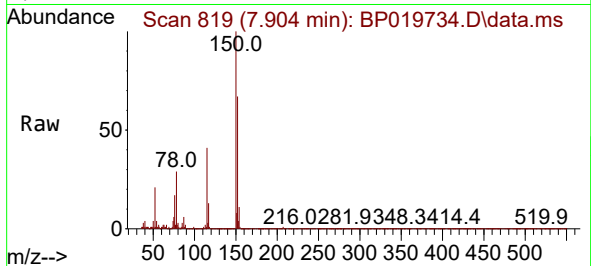




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

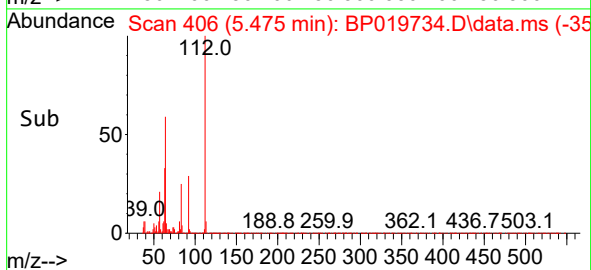
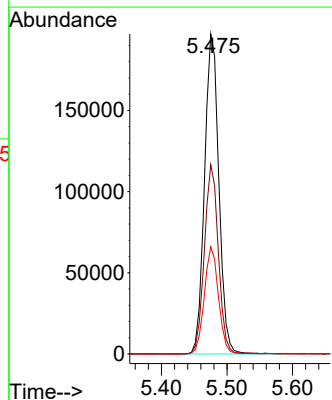
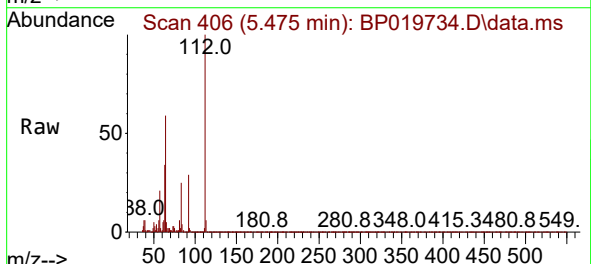
Instrument :
BNA_N
ClientSampleId :

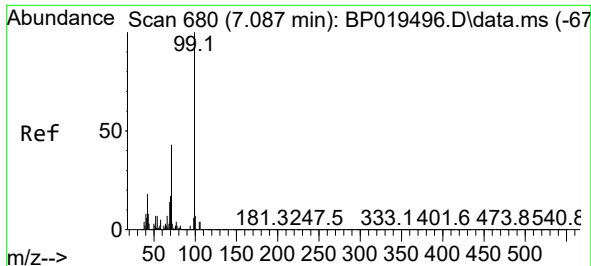
Tgt Ion:152 Resp: 66007
Ion Ratio Lower Upper
152 100
150 148.9 121.8 182.8
115 61.5 49.9 74.9



#5
2-Fluorophenol
Concen: 73.210 ng
RT: 5.475 min Scan# 406
Delta R.T. -0.012 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

Tgt Ion:112 Resp: 299789
Ion Ratio Lower Upper
112 100
64 59.1 47.4 71.0
63 33.5 27.0 40.6

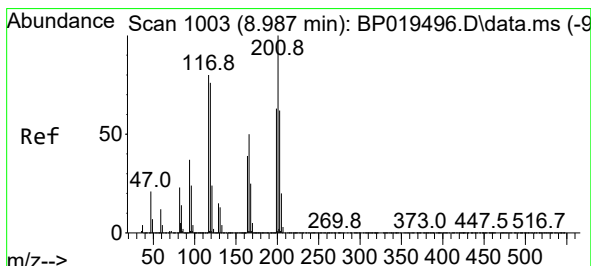
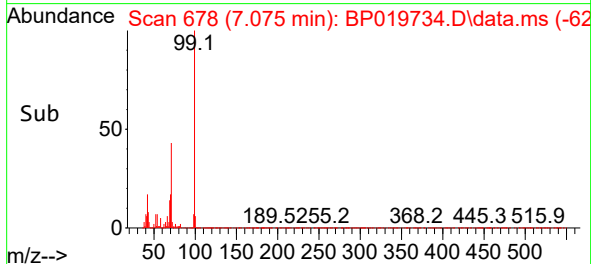
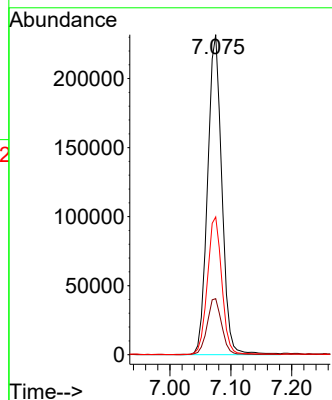
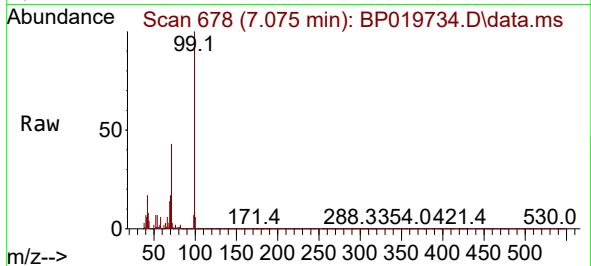




#7
Phenol-d6
Concen: 68.243 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

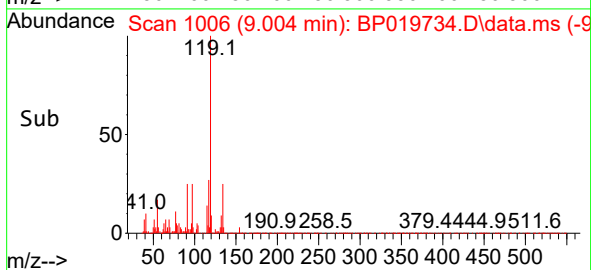
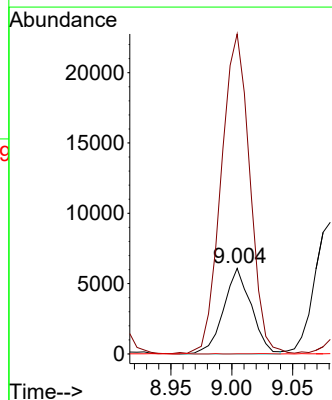
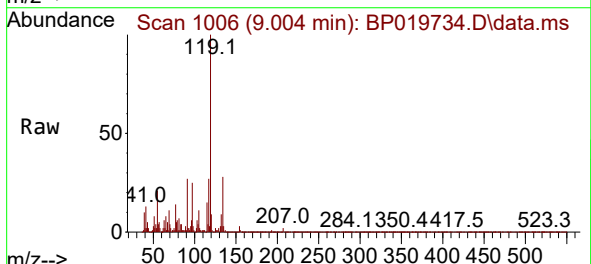
Instrument :
BNA_N
ClientSampleId :

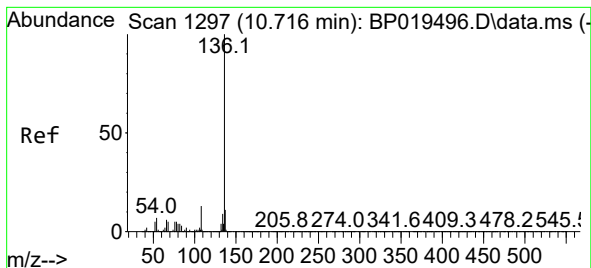
Tgt Ion: 99 Resp: 376803
Ion Ratio Lower Upper
99 100
42 17.5 14.7 22.1
71 43.1 34.8 52.2



#18
Hexachloroethane
Concen: 4.776 ng
RT: 9.004 min Scan# 1006
Delta R.T. 0.018 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

Tgt Ion: 117 Resp: 9648
Ion Ratio Lower Upper
117 100
119 373.5 75.5 113.3#
201 0.3 99.4 149.2#

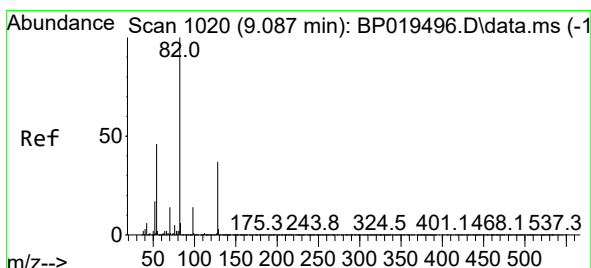
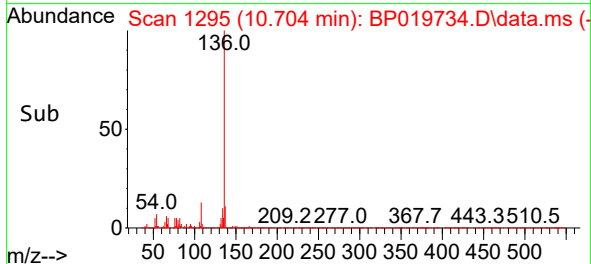
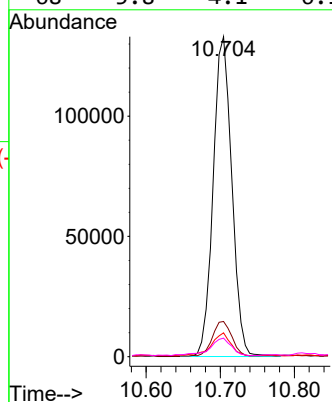
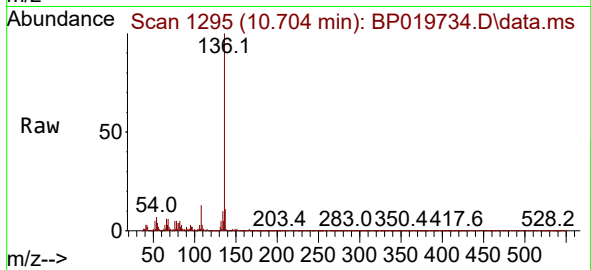




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

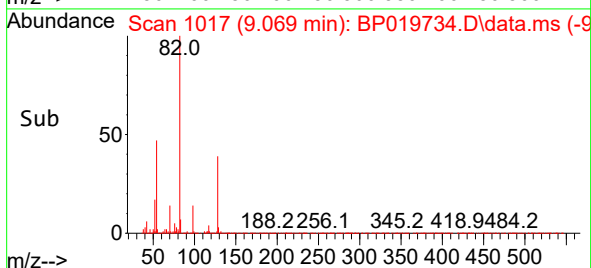
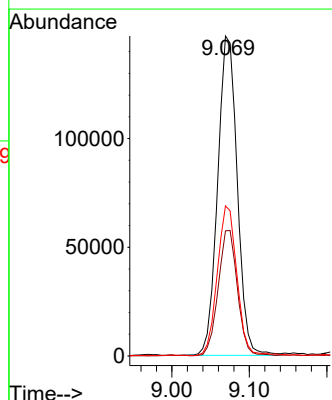
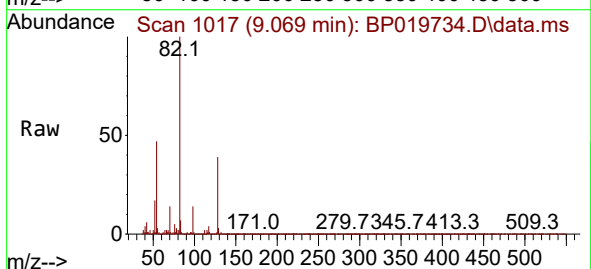
Instrument :
BNA_N
ClientSampleId :

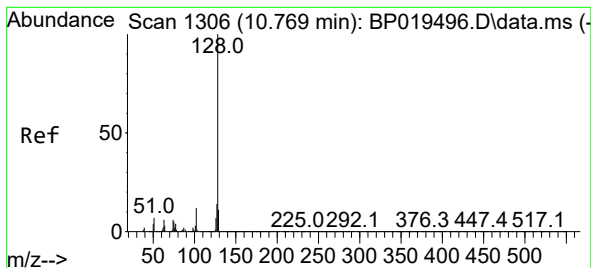
Tgt Ion:	136	Resp:	232568
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.5	5.3	7.9
68	5.8	4.1	6.1



#23
Nitrobenzene-d5
Concen: 48.055 ng
RT: 9.069 min Scan# 1017
Delta R.T. -0.017 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

Tgt Ion:	82	Resp:	257919
Ion	Ratio	Lower	Upper
82	100		
128	39.1	29.7	44.5
54	46.9	36.8	55.2





#31

Naphthalene

Concen: 3.393 ng

RT: 10.751 min Scan# 11

Delta R.T. -0.017 min

Lab File: BP019734.D

Acq: 15 Feb 2024 21:26

Instrument :

BNA_N

ClientSampleId :

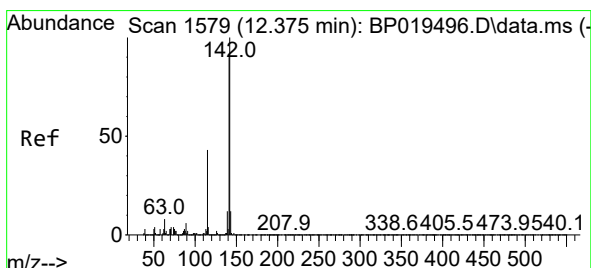
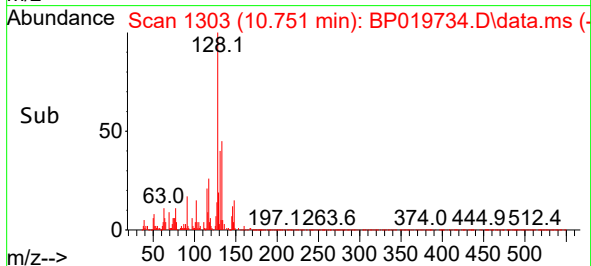
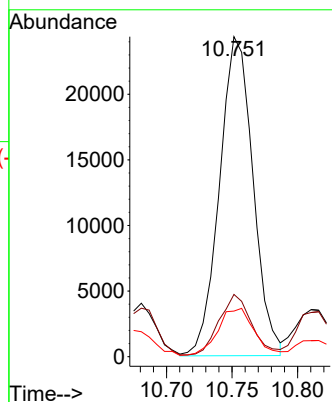
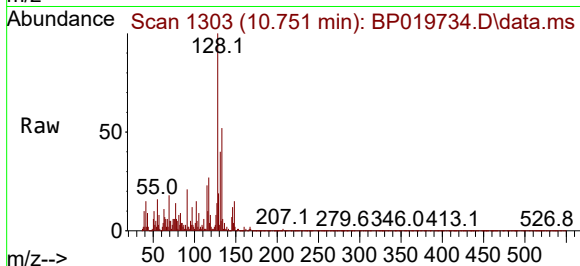
Tgt Ion:128 Resp: 43276

Ion Ratio Lower Upper

128 100

129 19.5 8.6 13.0#

127 14.2 10.8 16.2



#37

2-Methylnaphthalene

Concen: 4.717 ng

RT: 12.363 min Scan# 1577

Delta R.T. -0.012 min

Lab File: BP019734.D

Acq: 15 Feb 2024 21:26

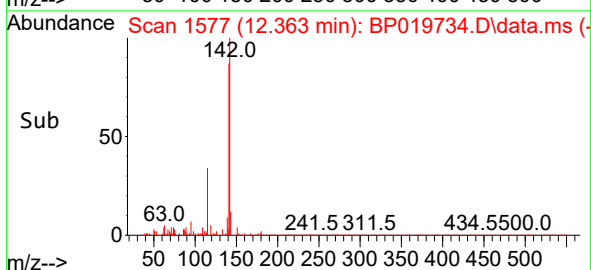
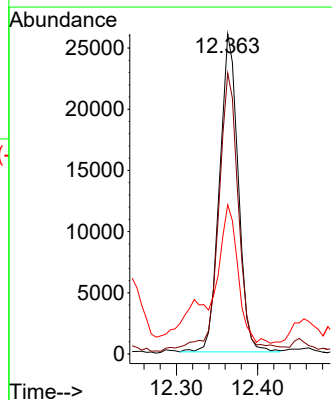
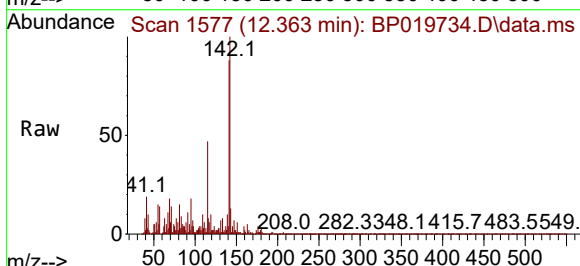
Tgt Ion:142 Resp: 41637

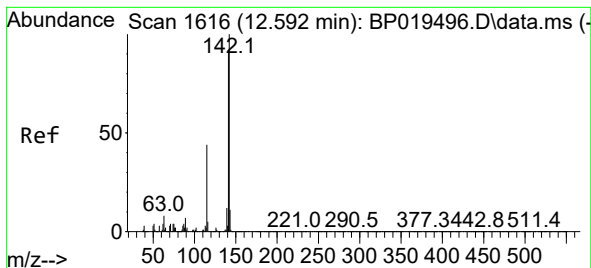
Ion Ratio Lower Upper

142 100

141 87.7 72.2 108.4

115 46.6 34.2 51.2





#38

1-Methylnaphthalene

Concen: 6.789 ng

RT: 12.581 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP019734.D

Acq: 15 Feb 2024 21:26

Instrument :

BNA_N

ClientSampleId :

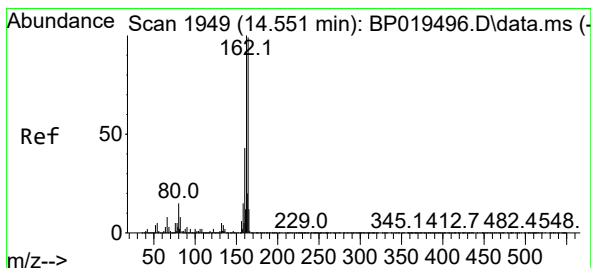
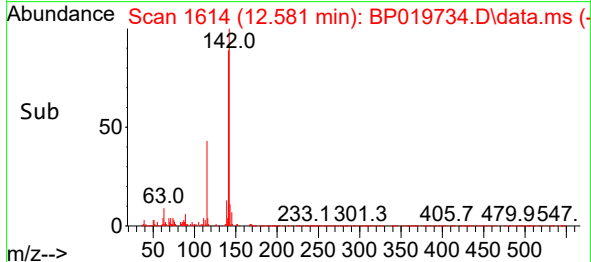
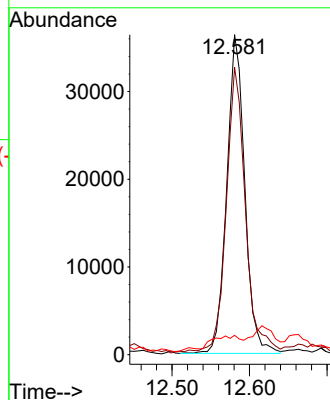
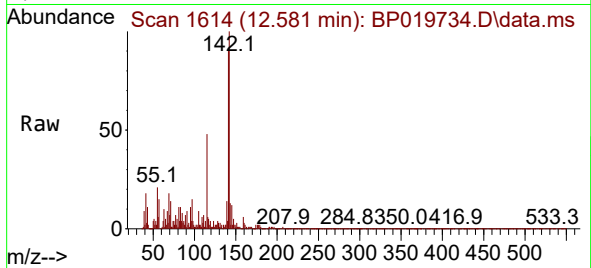
Tgt Ion:142 Resp: 58894

Ion Ratio Lower Upper

142 100

141 89.8 74.0 111.0

116 6.0 3.7 5.5#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.539 min Scan# 1947

Delta R.T. -0.012 min

Lab File: BP019734.D

Acq: 15 Feb 2024 21:26

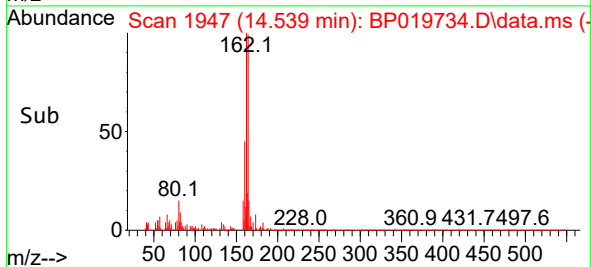
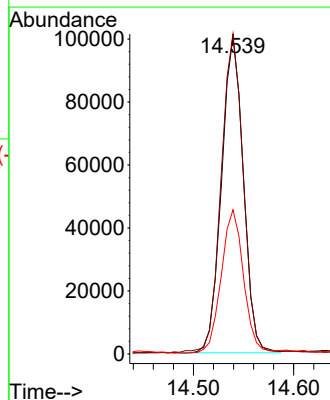
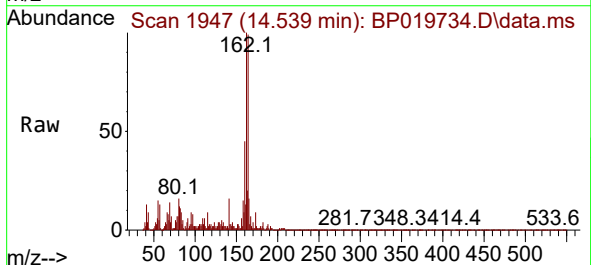
Tgt Ion:164 Resp: 151586

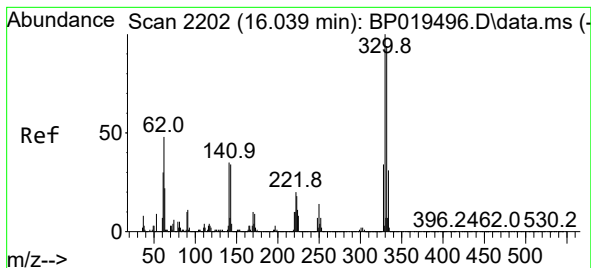
Ion Ratio Lower Upper

164 100

162 100.9 81.2 121.8

160 45.5 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 96.861 ng

RT: 16.033 min Scan# 21

Delta R.T. -0.006 min

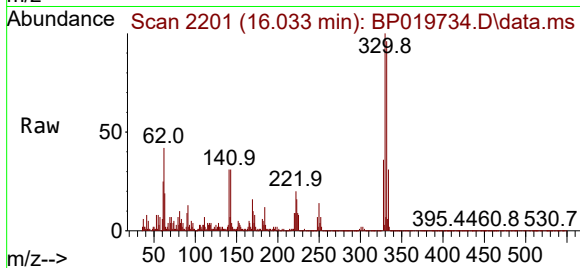
Lab File: BP019734.D

Acq: 15 Feb 2024 21:26

Instrument :

BNA_N

ClientSampleId :



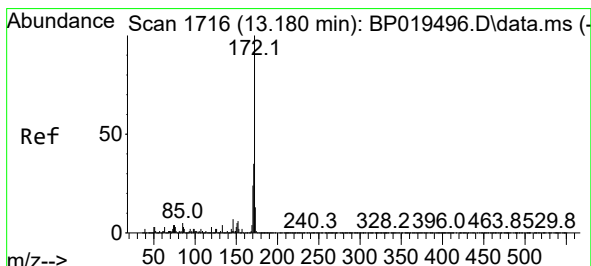
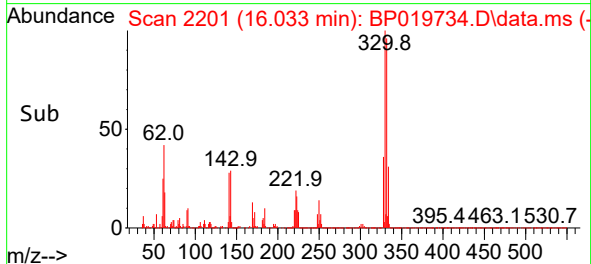
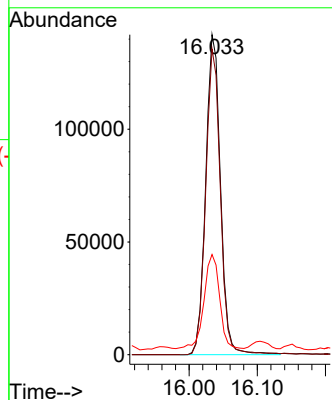
Tgt Ion:330 Resp: 214379

Ion Ratio Lower Upper

330 100

332 94.7 77.2 115.8

141 30.7 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 46.597 ng

RT: 13.163 min Scan# 1713

Delta R.T. -0.017 min

Lab File: BP019734.D

Acq: 15 Feb 2024 21:26

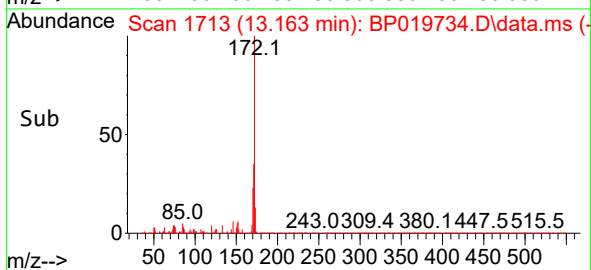
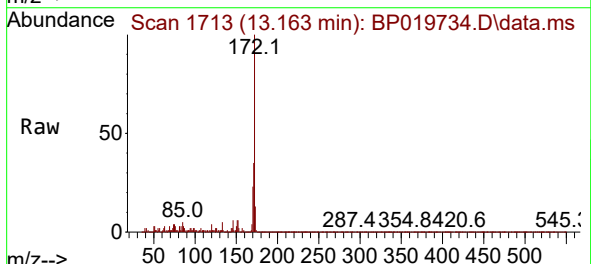
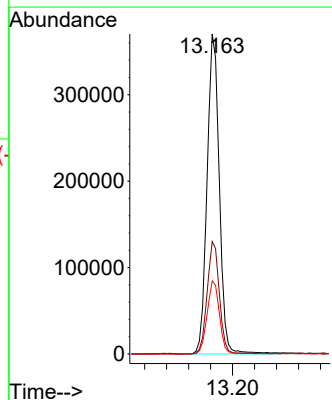
Tgt Ion:172 Resp: 571377

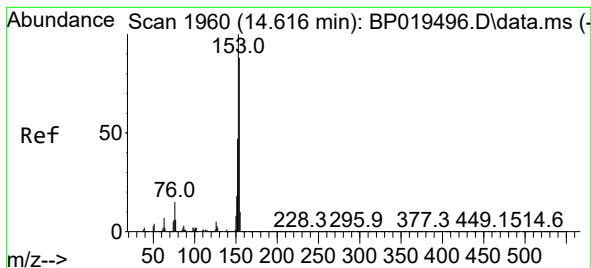
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

170 22.9 18.9 28.3





#52

Acenaphthene

Concen: 3.281 ng

RT: 14.604 min Scan# 1958

Delta R.T. -0.012 min

Lab File: BP019734.D

Acq: 15 Feb 2024 21:26

Instrument :

BNA_N

ClientSampleId :

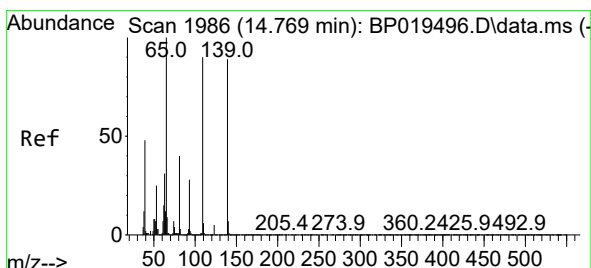
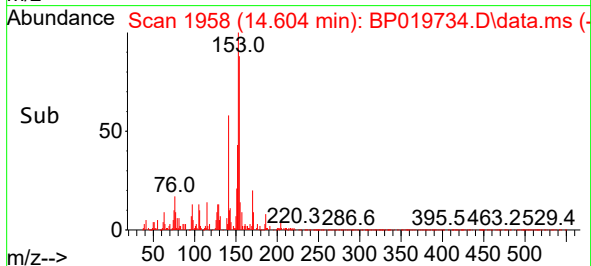
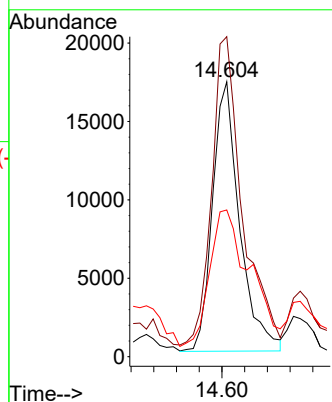
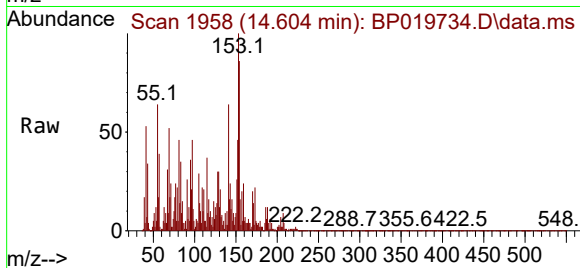
Tgt Ion:154 Resp: 28377

Ion Ratio Lower Upper

154 100

153 116.4 90.5 135.7

152 53.4 42.1 63.1



#56

4-Nitrophenol

Concen: 8.119 ng

RT: 14.751 min Scan# 1983

Delta R.T. -0.017 min

Lab File: BP019734.D

Acq: 15 Feb 2024 21:26

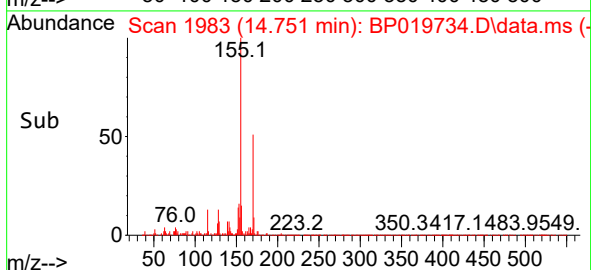
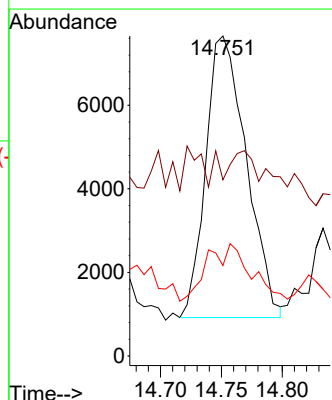
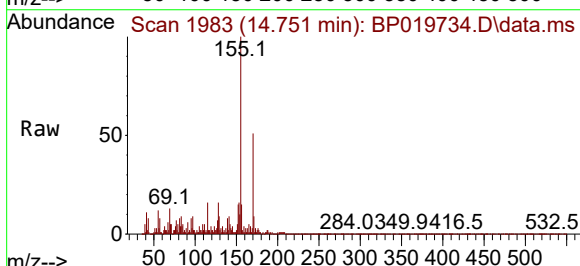
Tgt Ion:139 Resp: 15592

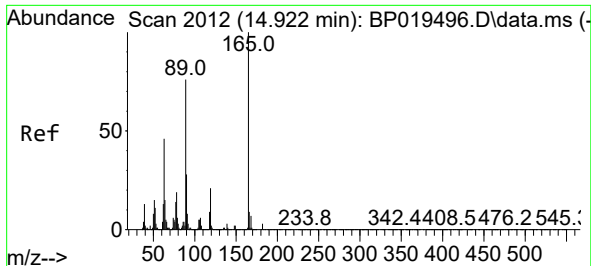
Ion Ratio Lower Upper

139 100

109 55.0 82.0 122.0#

65 28.3 92.9 132.9#

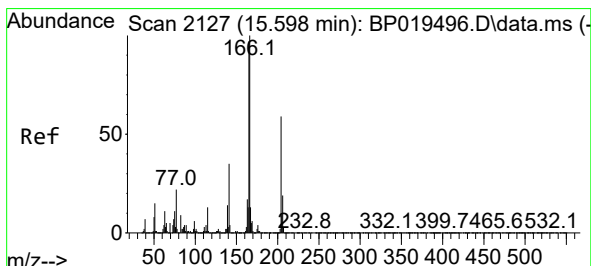
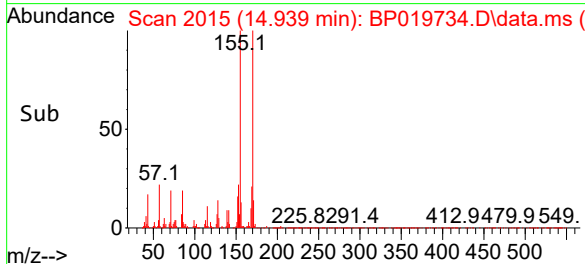
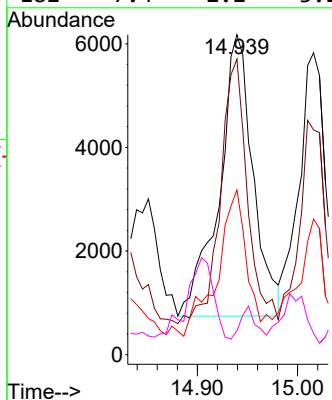
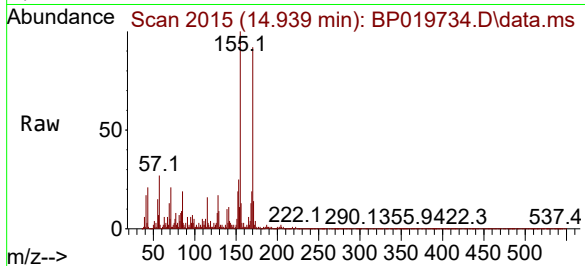




#57
2,4-Dinitrotoluene
Concen: 3.816 ng
RT: 14.939 min Scan# 2012
Delta R.T. 0.018 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

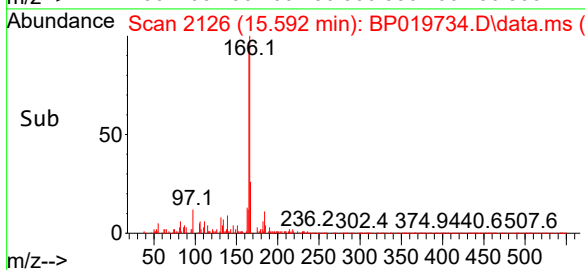
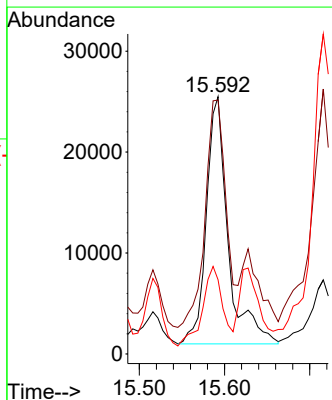
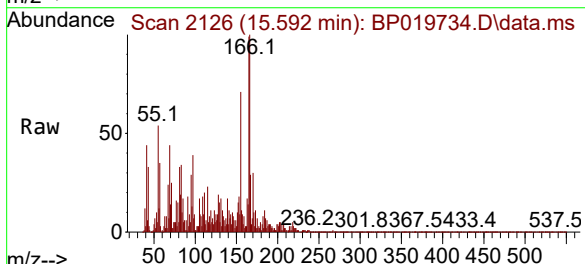
Instrument :
BNA_N
ClientSampleId :

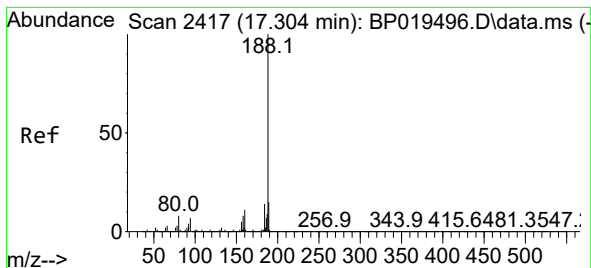
Tgt Ion:165 Resp: 12748
Ion Ratio Lower Upper
165 100
63 92.4 36.9 55.3#
89 51.5 61.1 91.7#
182 7.4 2.2 3.2#



#58
Fluorene
Concen: 3.870 ng
RT: 15.592 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

Tgt Ion:166 Resp: 43414
Ion Ratio Lower Upper
166 100
165 98.7 77.8 116.8
167 28.9 10.7 16.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.298 min Scan# 2417

Delta R.T. -0.006 min

Lab File: BP019734.D

Acq: 15 Feb 2024 21:26

Instrument :

BNA_N

ClientSampleId :

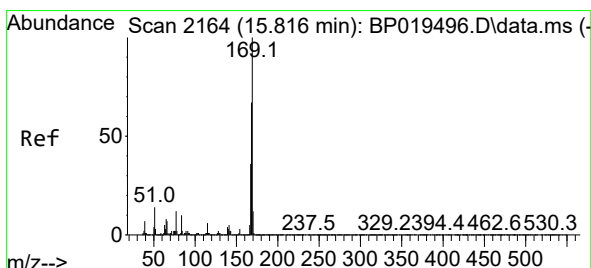
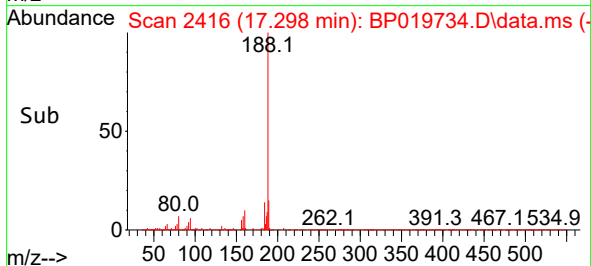
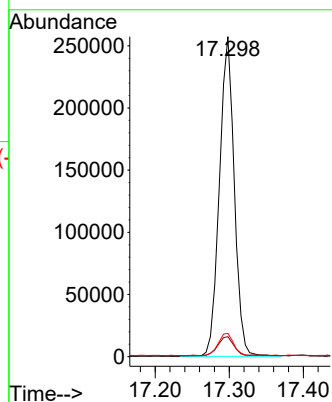
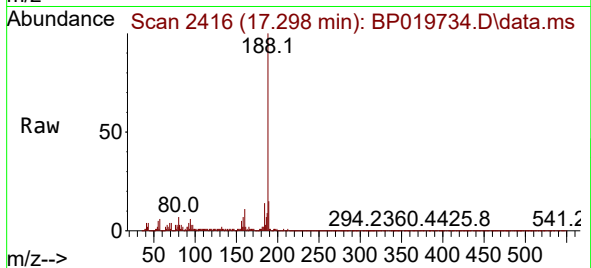
Tgt Ion:188 Resp: 358586

Ion Ratio Lower Upper

188 100

94 6.2 5.4 8.2

80 7.3 6.3 9.5



#66

n-Nitrosodiphenylamine

Concen: 6.486 ng

RT: 15.804 min Scan# 2162

Delta R.T. -0.012 min

Lab File: BP019734.D

Acq: 15 Feb 2024 21:26

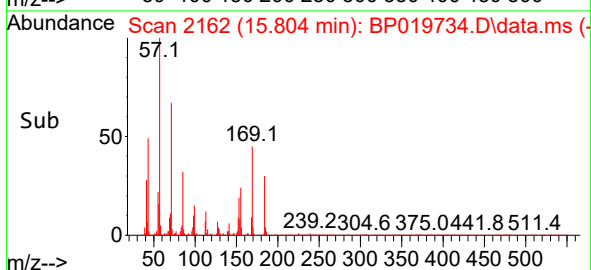
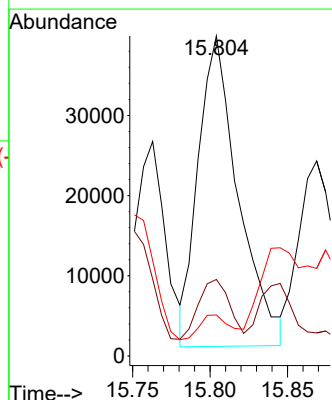
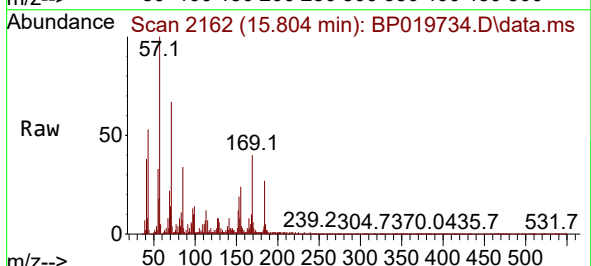
Tgt Ion:169 Resp: 69653

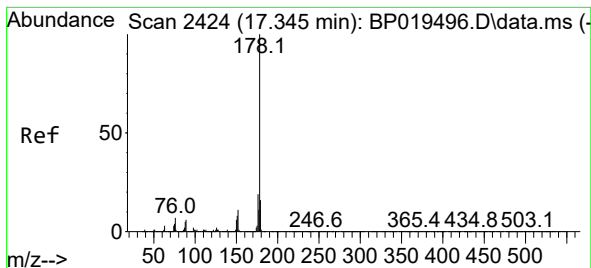
Ion Ratio Lower Upper

169 100

168 23.9 53.4 80.2#

167 12.8 28.9 43.3#





#71

Phenanthrene

Concen: 9.204 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.006 min

Lab File: BP019734.D

Acq: 15 Feb 2024 21:26

Instrument :

BNA_N

ClientSampleId :

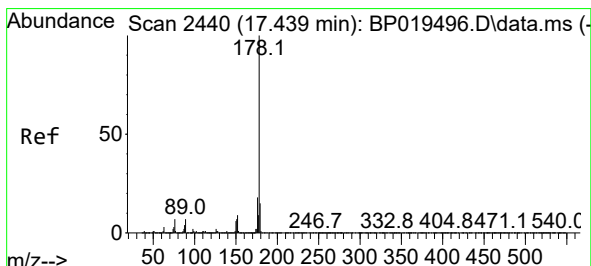
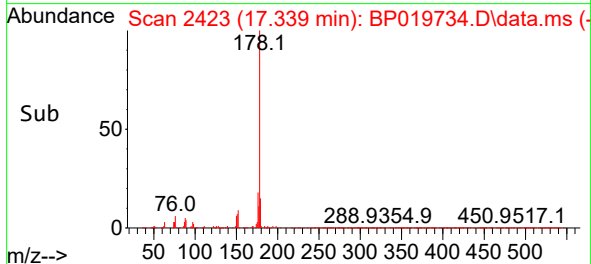
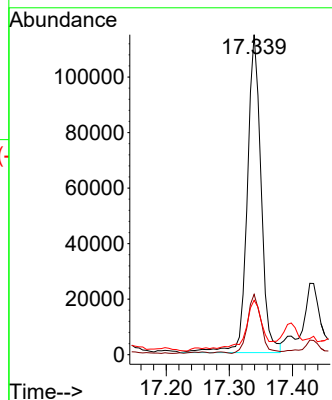
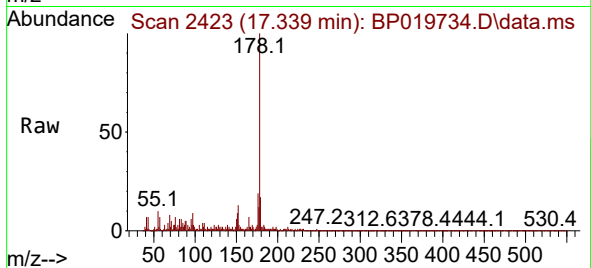
Tgt Ion:178 Resp: 173692

Ion Ratio Lower Upper

178 100

176 18.8 15.5 23.3

179 17.0 12.6 19.0



#72

Anthracene

Concen: 9.227 ng

RT: 17.339 min Scan# 2423

Delta R.T. -0.100 min

Lab File: BP019734.D

Acq: 15 Feb 2024 21:26

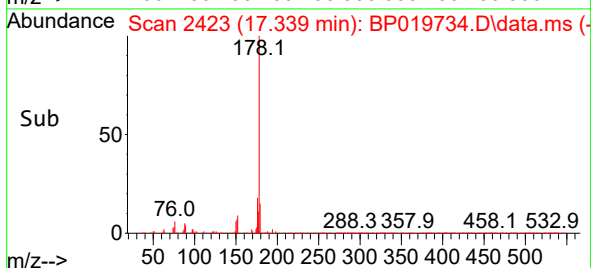
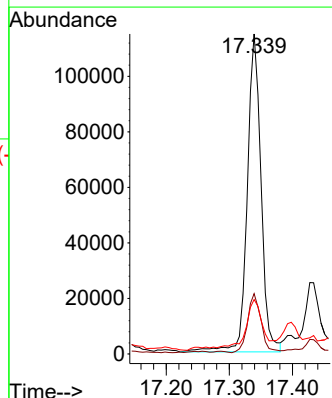
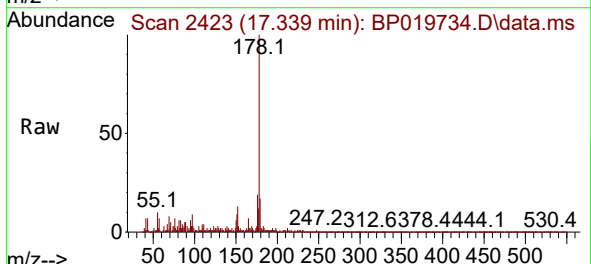
Tgt Ion:178 Resp: 173692

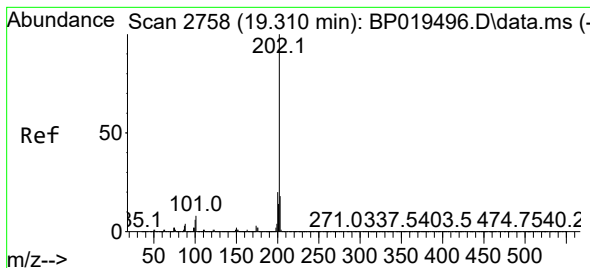
Ion Ratio Lower Upper

178 100

176 18.8 14.7 22.1

179 17.0 12.2 18.2





#75

Fluoranthene

Concen: 8.156 ng

RT: 19.310 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP019734.D

Acq: 15 Feb 2024 21:26

Instrument :

BNA_N

ClientSampleId :

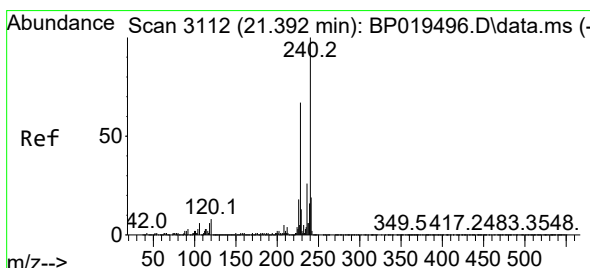
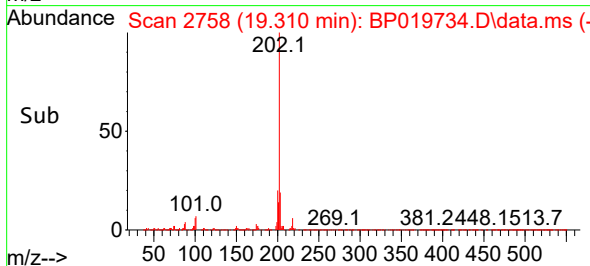
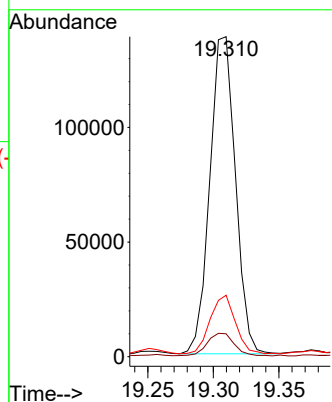
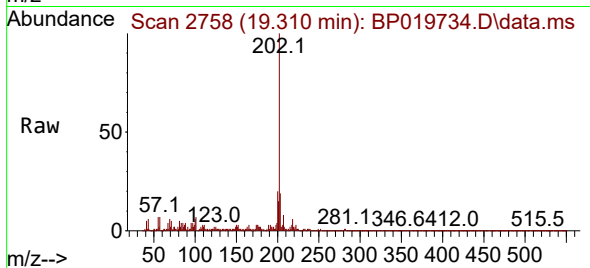
Tgt Ion:202 Resp: 188011

Ion Ratio Lower Upper

202 100

101 7.2 0.0 27.7

203 19.2 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.392 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BP019734.D

Acq: 15 Feb 2024 21:26

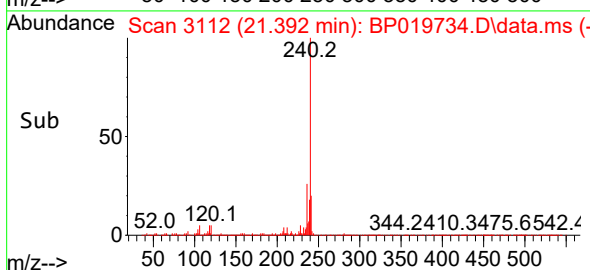
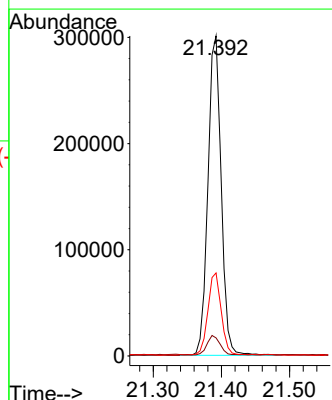
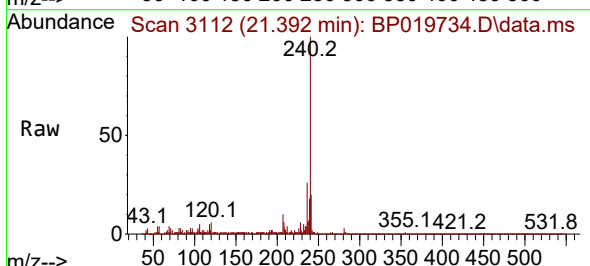
Tgt Ion:240 Resp: 407310

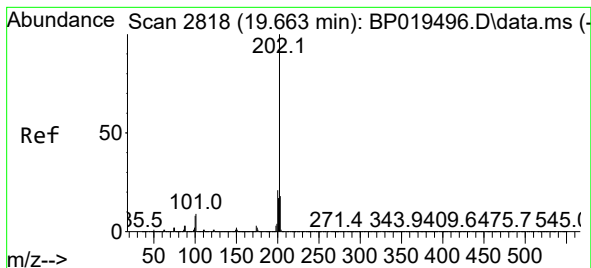
Ion Ratio Lower Upper

240 100

120 5.6 6.1 9.1#

236 26.0 20.7 31.1





#78

Pyrene

Concen: 7.236 ng

RT: 19.657 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019734.D

Acq: 15 Feb 2024 21:26

Instrument :

BNA_N

ClientSampleId :

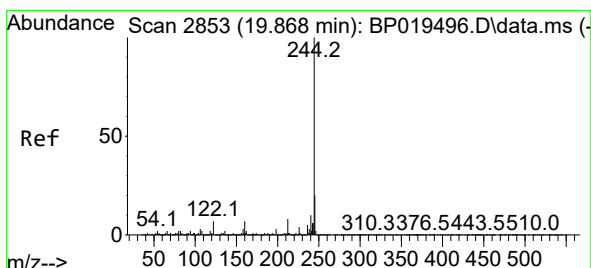
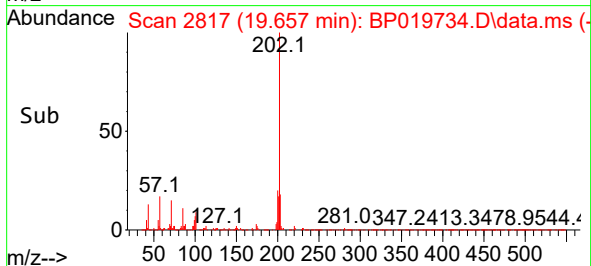
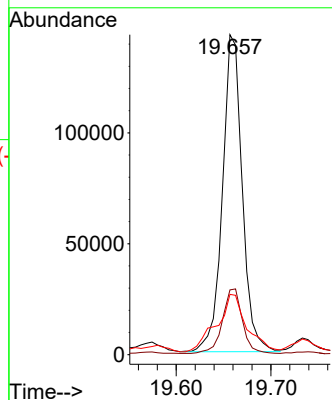
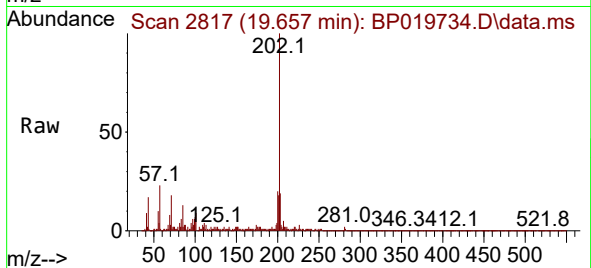
Tgt Ion:202 Resp: 208015

Ion Ratio Lower Upper

202 100

200 20.3 16.9 25.3

203 18.8 14.2 21.2



#79

Terphenyl-d14

Concen: 47.983 ng

RT: 19.863 min Scan# 2852

Delta R.T. -0.006 min

Lab File: BP019734.D

Acq: 15 Feb 2024 21:26

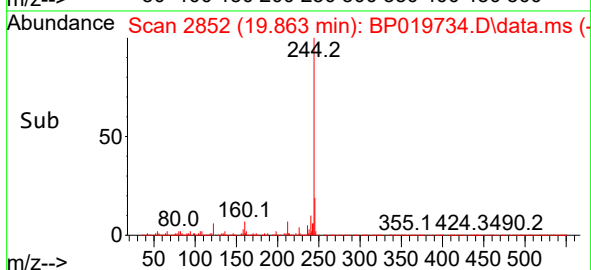
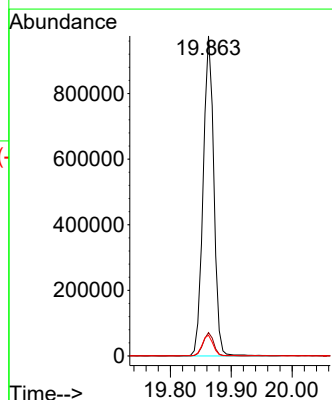
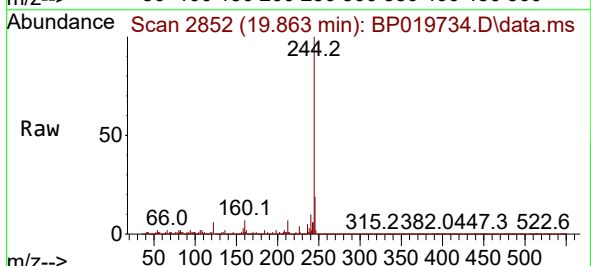
Tgt Ion:244 Resp: 1188416

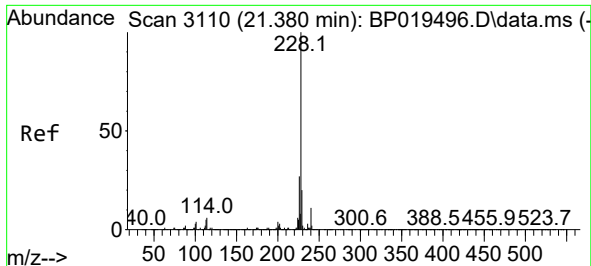
Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 6.5 5.9 8.9

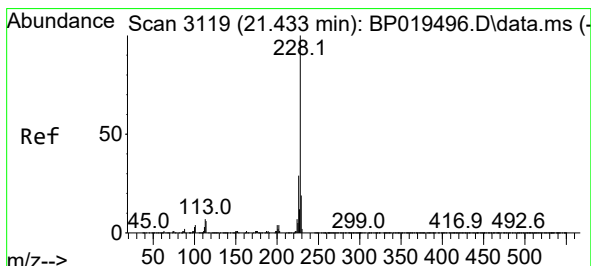
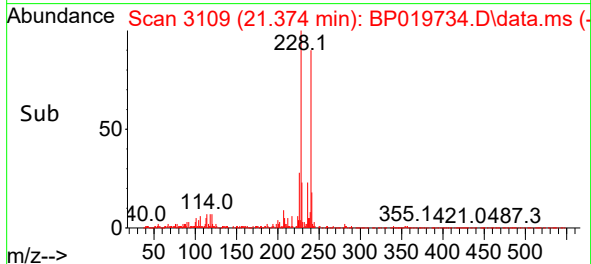
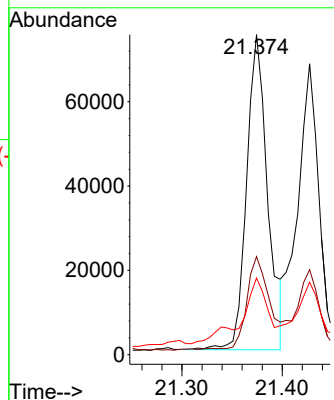
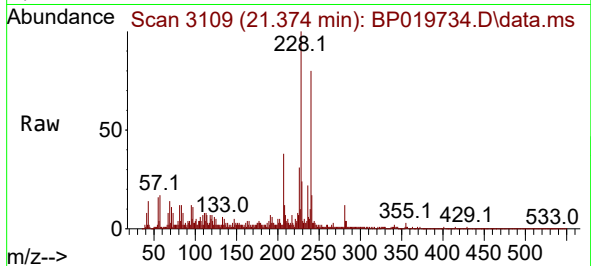




#81
Benzo(a)anthracene
Concen: 3.792 ng
RT: 21.374 min Scan# 3109
Delta R.T. -0.006 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

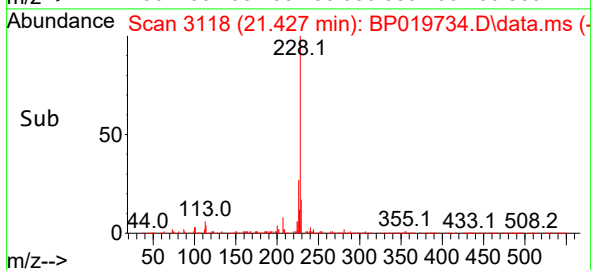
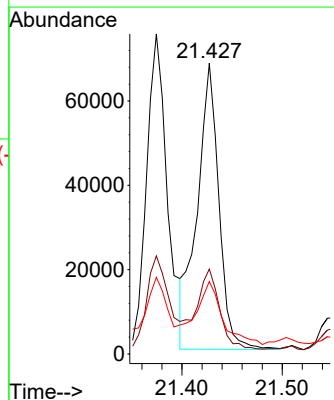
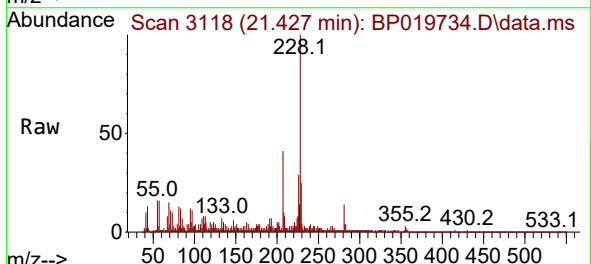
Instrument :
BNA_N
ClientSampleId :

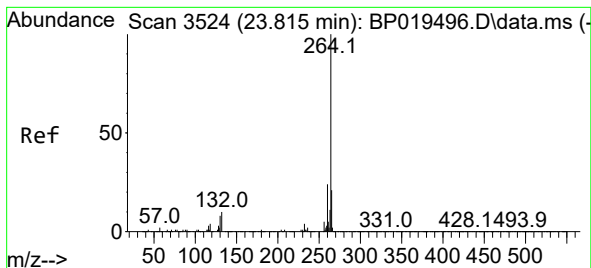
Tgt Ion:228 Resp: 108716
Ion Ratio Lower Upper
228 100
226 30.6 21.7 32.5
229 23.9 15.6 23.4#



#83
Chrysene
Concen: 3.775 ng
RT: 21.427 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

Tgt Ion:228 Resp: 102746
Ion Ratio Lower Upper
228 100
226 29.2 23.4 35.2
229 24.9 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.815 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP019734.D

Acq: 15 Feb 2024 21:26

Instrument :

BNA_N

ClientSampleId :

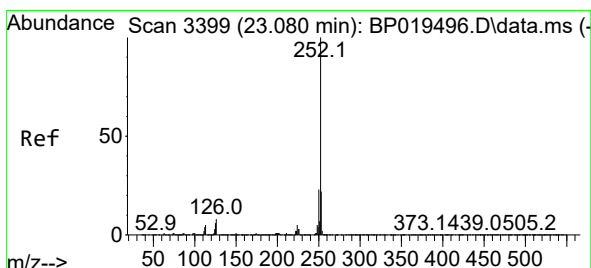
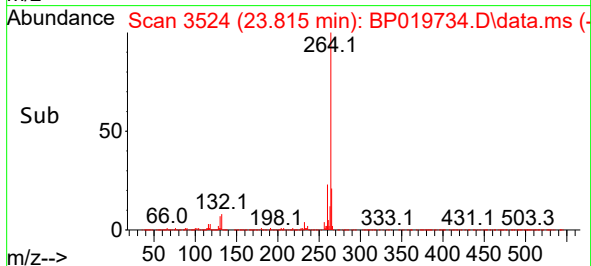
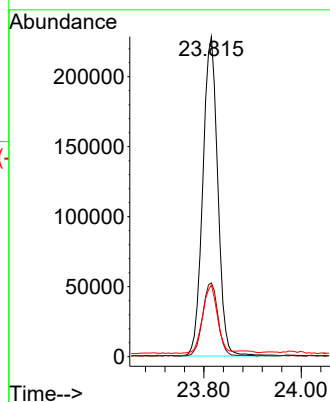
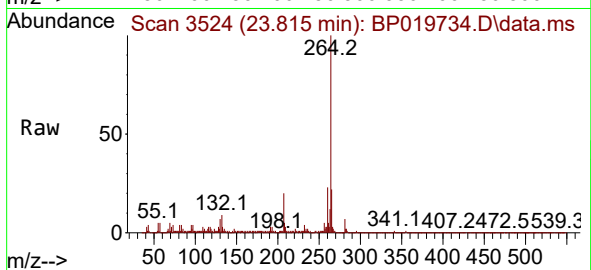
Tgt Ion:264 Resp: 486049

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 22.3 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 5.953 ng

RT: 23.074 min Scan# 3398

Delta R.T. -0.006 min

Lab File: BP019734.D

Acq: 15 Feb 2024 21:26

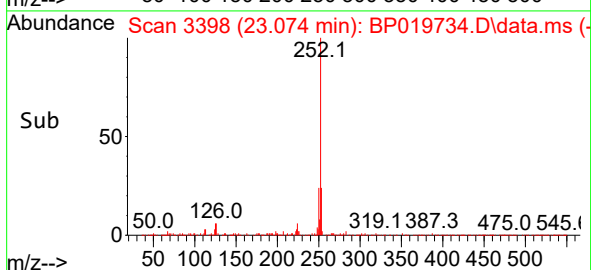
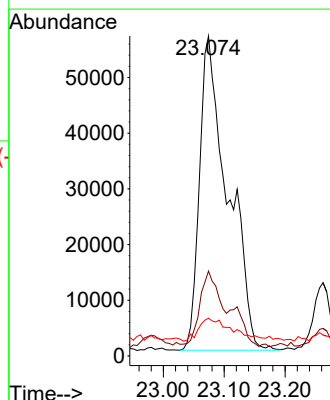
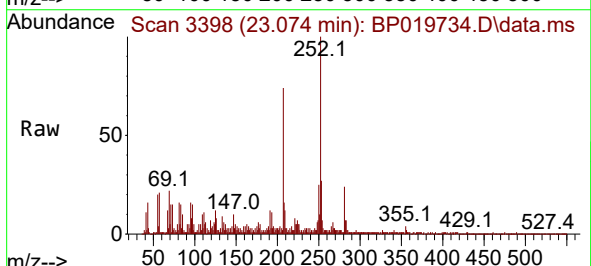
Tgt Ion:252 Resp: 182368

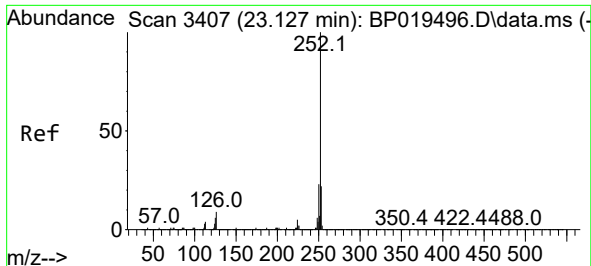
Ion Ratio Lower Upper

252 100

253 26.5 17.3 25.9#

125 11.8 4.9 7.3#

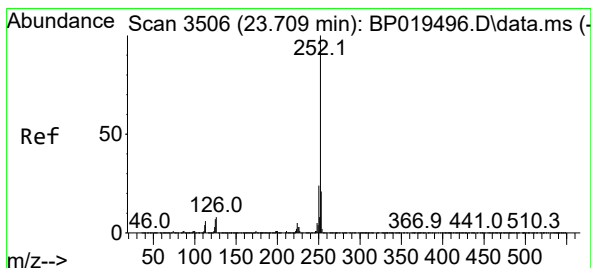
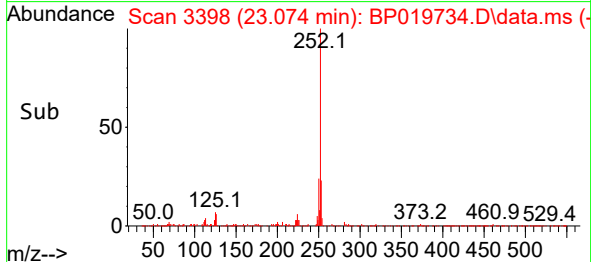
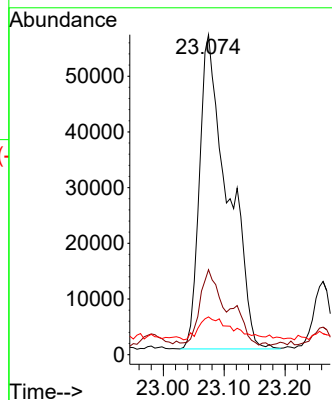
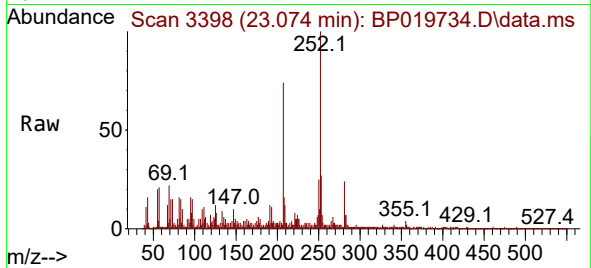




#89
Benzo(k)fluoranthene
Concen: 6.232 ng
RT: 23.074 min Scan# 31
Delta R.T. -0.053 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

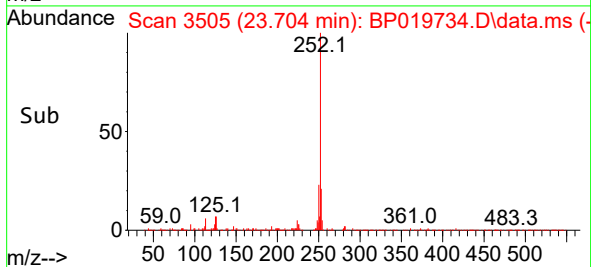
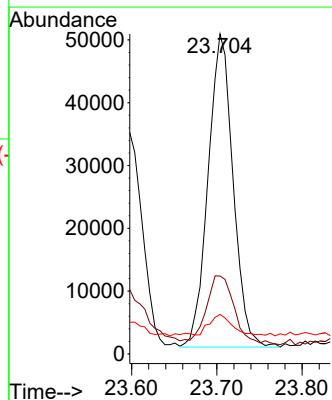
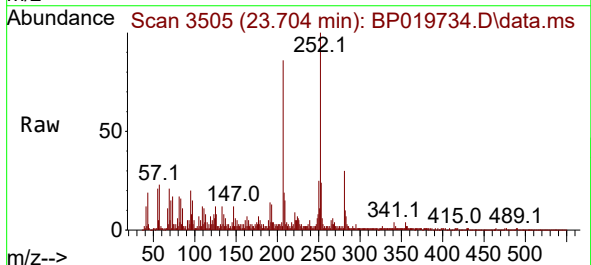
Instrument :
BNA_N
ClientSampleId :

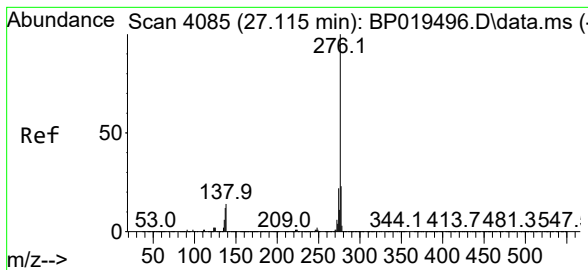
Tgt Ion:252 Resp: 182368
Ion Ratio Lower Upper
252 100
253 26.5 17.1 25.7#
125 11.8 5.0 7.6#



#90
Benzo(a)pyrene
Concen: 3.725 ng
RT: 23.704 min Scan# 3505
Delta R.T. -0.006 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

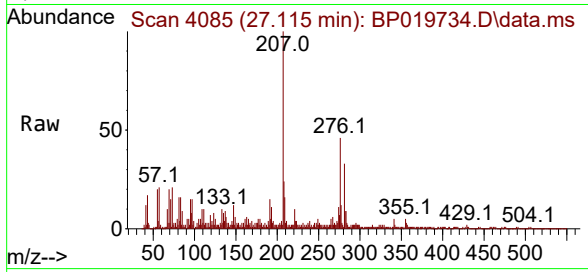
Tgt Ion:252 Resp: 101526
Ion Ratio Lower Upper
252 100
253 24.3 17.1 25.7
125 12.3 5.6 8.4#





#92
 Benzo(g,h,i)perylene
 Concen: 2.312 ng
 RT: 27.115 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: BP019734.D
 Acq: 15 Feb 2024 21:26

Instrument :
 BNA_N
 ClientSampleId :



Tgt Ion:	276	Resp:	71783
Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.6	28.0
138	13.3	10.9	16.3

