

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP012924\
 Data File : BP019473.D
 Acq On : 29 Jan 2024 19:19
 Operator : MA/JU
 Sample : 01242-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-012424

Quant Time: Jan 30 01:21:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP012924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 30 00:59:08 2024
 Response via : Initial Calibration

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

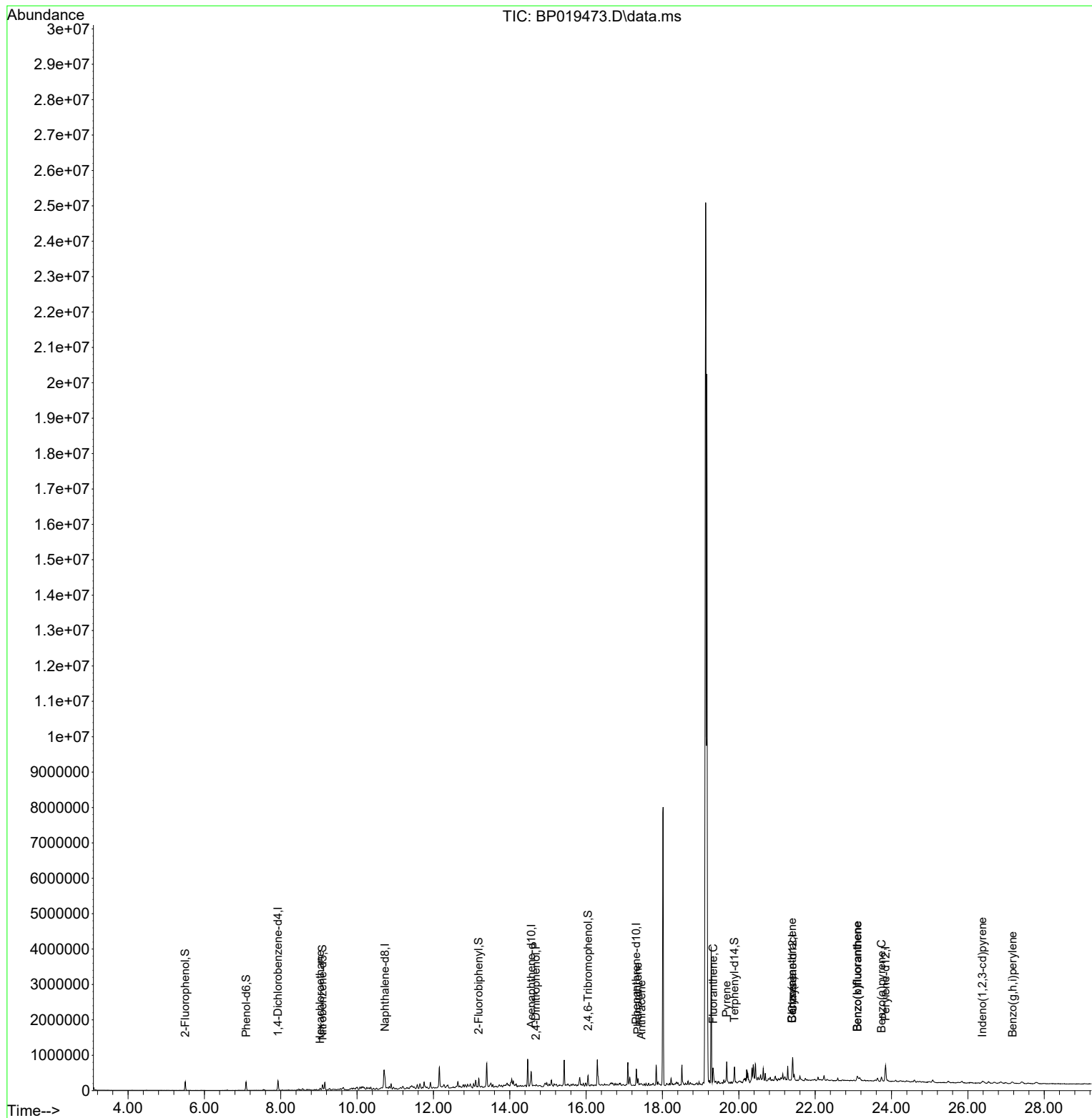
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	64979	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	222310	20.000	ng	0.00
39) Acenaphthene-d10	14.563	164	122545	20.000	ng	0.00
64) Phenanthrene-d10	17.316	188	266061	20.000	ng	0.00
76) Chrysene-d12	21.410	240	279056	20.000	ng	0.00
86) Perylene-d12	23.845	264	326091	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	85604	20.963	ng	0.00
7) Phenol-d6	7.093	99	110727	18.574	ng	0.00
23) Nitrobenzene-d5	9.093	82	76044	14.075	ng	-0.01
42) 2,4,6-Tribromophenol	16.051	330	31035	18.485	ng	0.00
45) 2-Fluorobiphenyl	13.187	172	127587	13.406	ng	0.00
79) Terphenyl-d14	19.886	244	186895	9.542	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.081	77	981	Below Cal	#	57
18) Hexachloroethane	9.034	117	4565	2.180	ng	# 1
54) 2,4-Dinitrophenol	14.687	184	13	3.963	ng	# 1
71) Phenanthrene	17.357	178	106940	7.549	ng	98
72) Anthracene	17.451	178	30704	2.171	ng	98
75) Fluoranthene	19.328	202	189128	11.028	ng	99
77) Benzidine	19.528	184	667	Below Cal	#	1
78) Pyrene	19.681	202	181020	7.774	ng	99
81) Benzo(a)anthracene	21.398	228	106377	5.289	ng	94
83) Chrysene	21.398	228	106377	5.670	ng	98
87) Indeno(1,2,3-cd)pyrene	26.380	276	63331	2.914	ng	96
88) Benzo(b)fluoranthene	23.104	252	127795	5.861	ng	96
89) Benzo(k)fluoranthene	23.104	252	127795	6.148	ng	95
90) Benzo(a)pyrene	23.733	252	94825	5.093	ng	# 91
92) Benzo(g,h,i)perylene	27.168	276	63651	3.554	ng	98

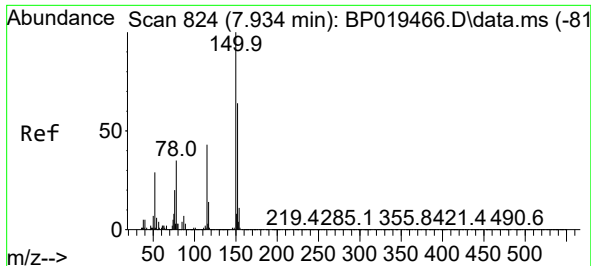
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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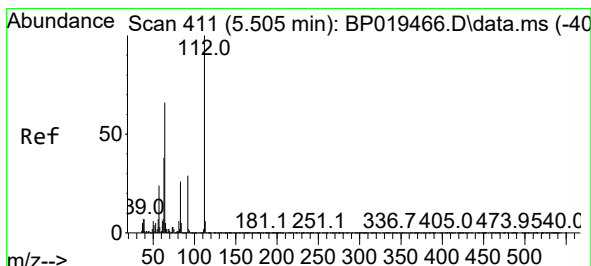
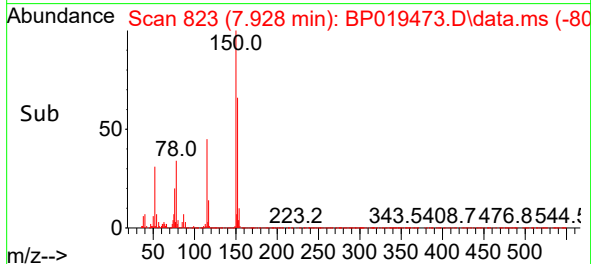
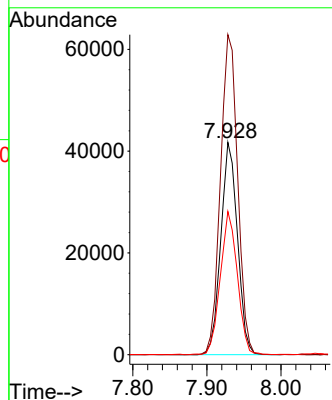
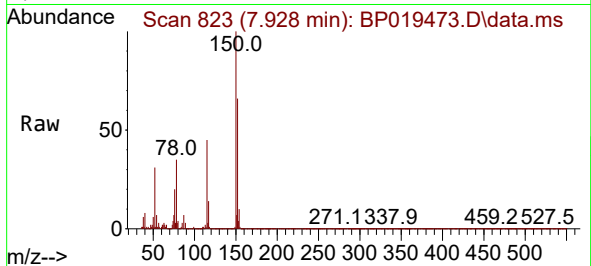




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.928 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019473.D
Acq: 29 Jan 2024 19:19

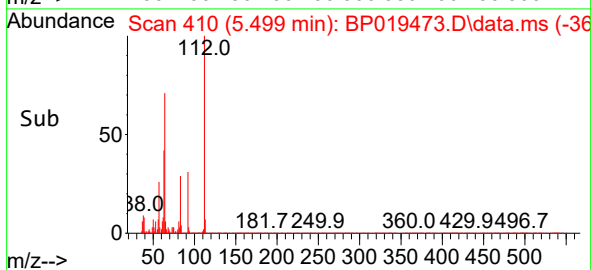
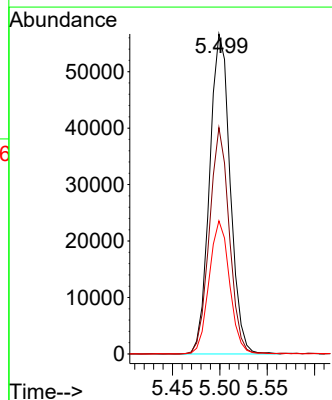
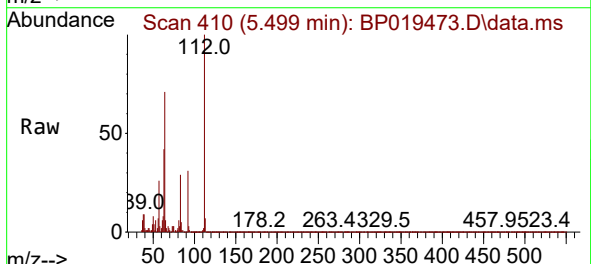
Instrument :
BNA_P
ClientSampleId :
TR-04-012424

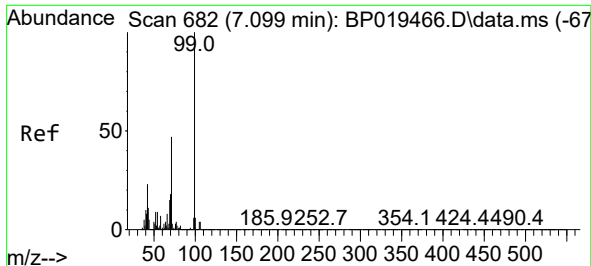
Tgt Ion:152 Resp: 64979
Ion Ratio Lower Upper
152 100
150 150.7 125.4 188.2
115 67.4 53.7 80.5



#5
2-Fluorophenol
Concen: 20.963 ng
RT: 5.499 min Scan# 410
Delta R.T. -0.006 min
Lab File: BP019473.D
Acq: 29 Jan 2024 19:19

Tgt Ion:112 Resp: 85604
Ion Ratio Lower Upper
112 100
64 70.7 52.6 79.0
63 41.6 30.3 45.5





#7

Phenol-d6

Concen: 18.574 ng

RT: 7.093 min Scan# 61

Delta R.T. -0.006 min

Lab File: BP019473.D

Acq: 29 Jan 2024 19:19

Instrument :

BNA_P

ClientSampleId :

TR-04-012424

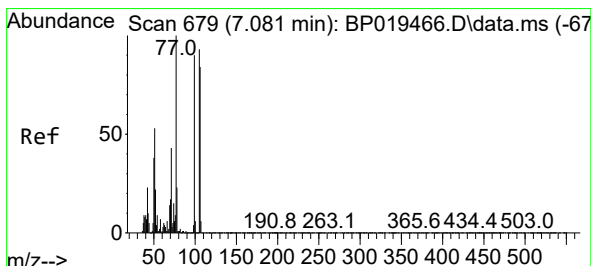
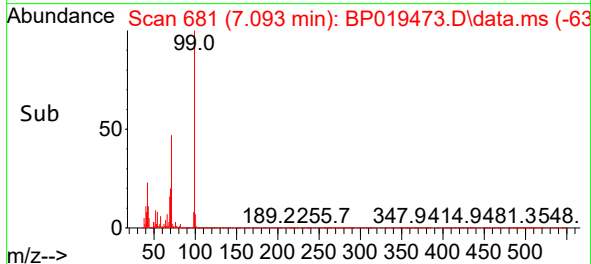
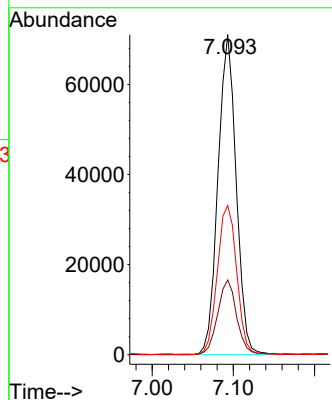
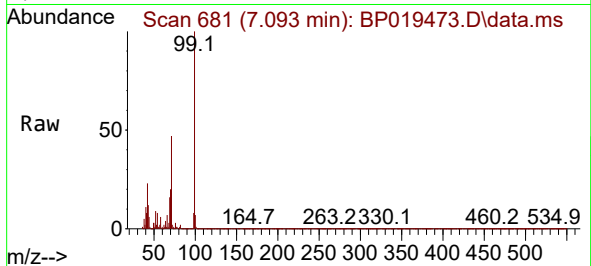
Tgt Ion: 99 Resp: 110727

Ion Ratio Lower Upper

99 100

42 23.4 18.6 28.0

71 46.6 37.8 56.6



#9

Benzaldehyde

Concen: Below Cal

RT: 7.081 min Scan# 679

Delta R.T. 0.000 min

Lab File: BP019473.D

Acq: 29 Jan 2024 19:19

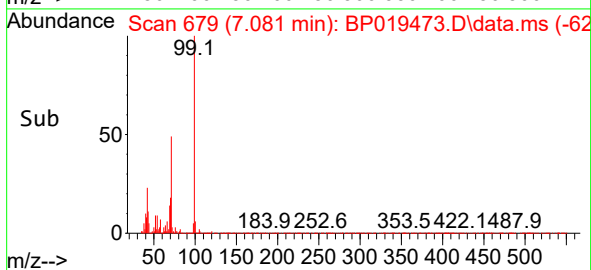
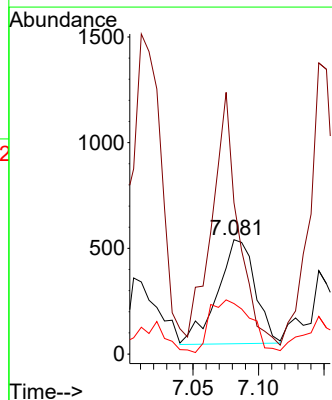
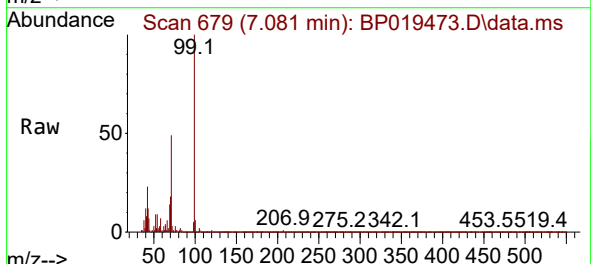
Tgt Ion: 77 Resp: 981

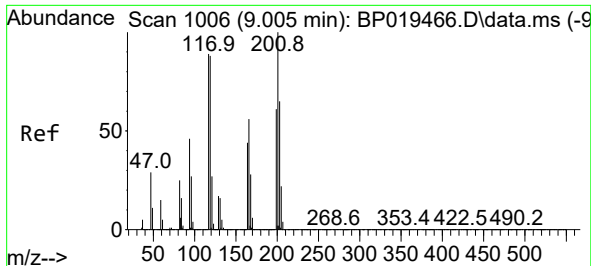
Ion Ratio Lower Upper

77 100

105 132.3 72.9 112.9#

106 44.2 64.4 104.4#

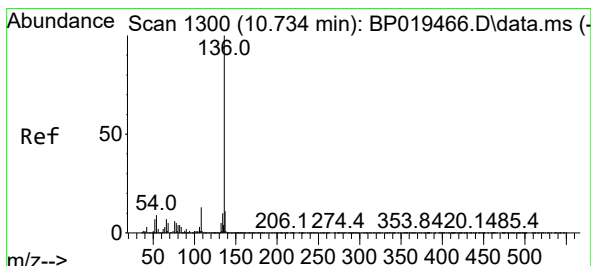
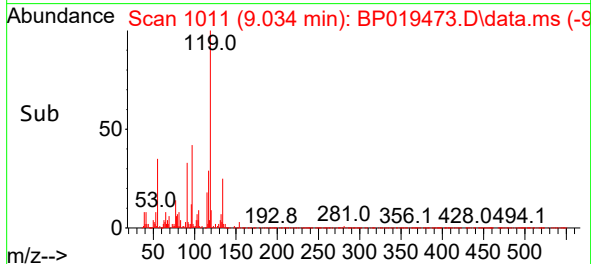
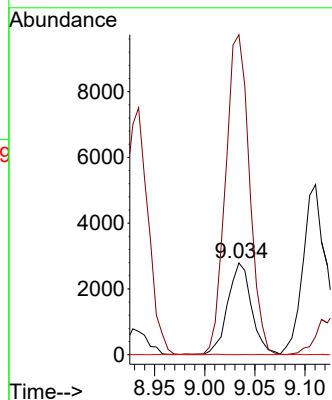
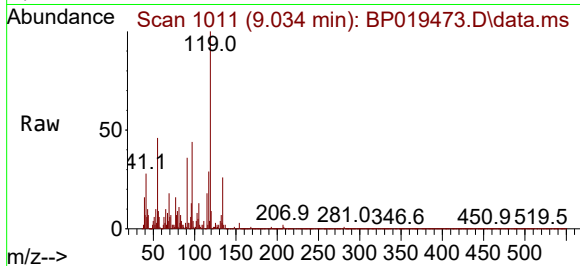




#18
Hexachloroethane
Concen: 2.180 ng
RT: 9.034 min Scan# 10
Delta R.T. 0.029 min
Lab File: BP019473.D
Acq: 29 Jan 2024 19:19

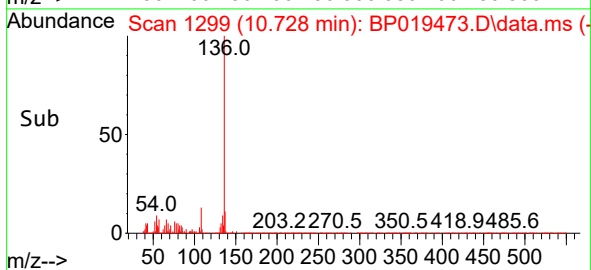
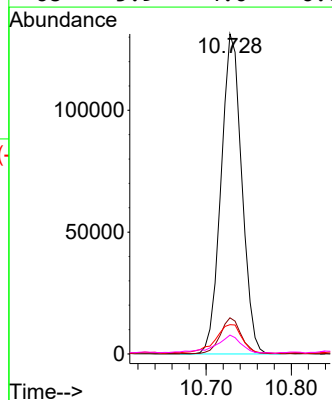
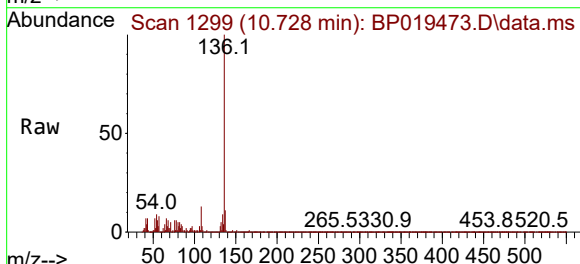
Instrument :
BNA_P
ClientSampleId :
TR-04-012424

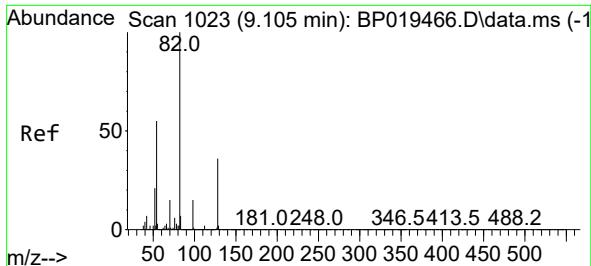
Tgt Ion:117 Resp: 4565
Ion Ratio Lower Upper
117 100
119 349.0 78.8 118.2#
201 0.1 89.5 134.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BP019473.D
Acq: 29 Jan 2024 19:19

Tgt Ion:136 Resp: 222310
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 9.1 7.4 11.0
68 5.9 4.0 6.0

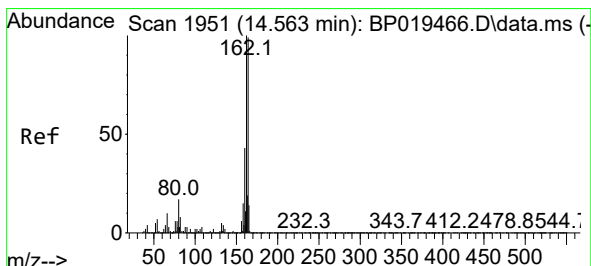
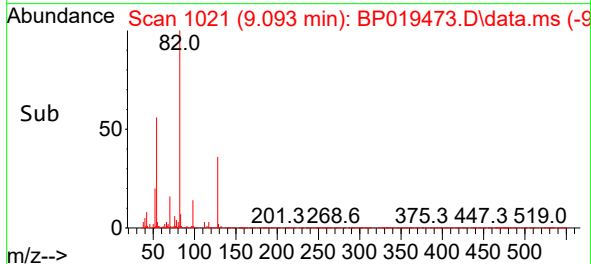
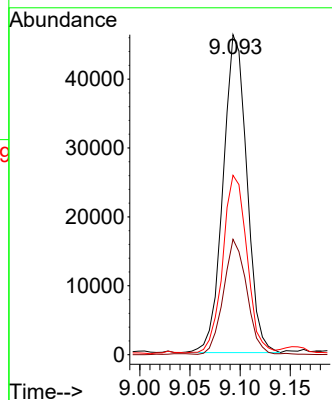
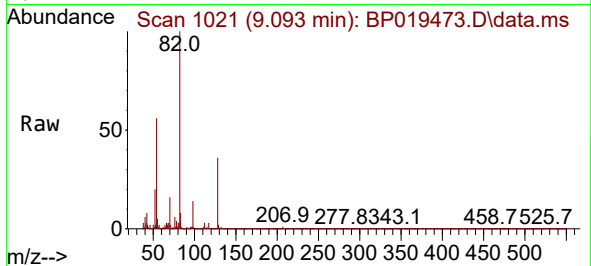




#23
Nitrobenzene-d5
Concen: 14.075 ng
RT: 9.093 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BP019473.D
Acq: 29 Jan 2024 19:19

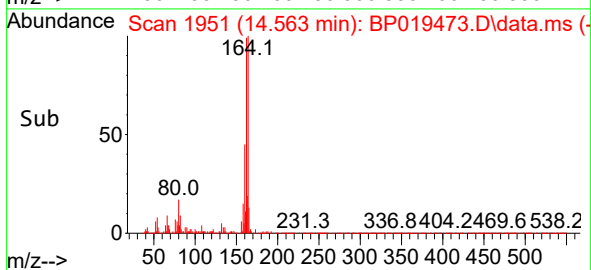
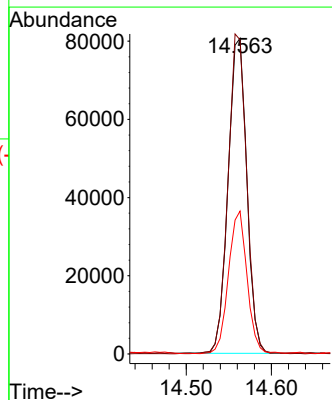
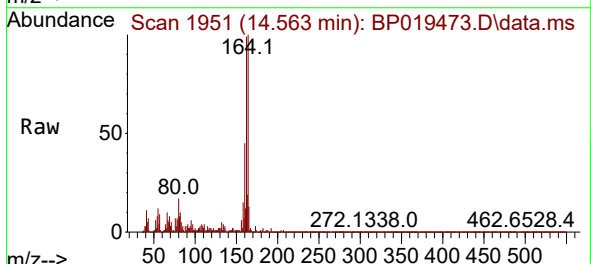
Instrument :
BNA_P
ClientSampleId :
TR-04-012424

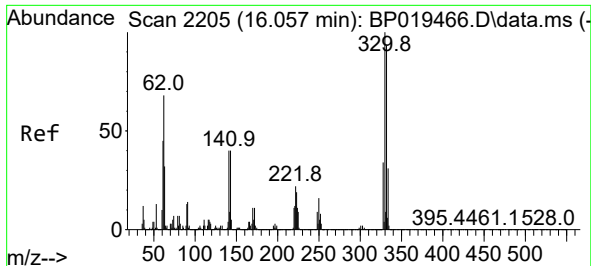
Tgt Ion: 82 Resp: 76044
Ion Ratio Lower Upper
82 100
128 36.0 28.9 43.3
54 56.1 44.3 66.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1951
Delta R.T. -0.000 min
Lab File: BP019473.D
Acq: 29 Jan 2024 19:19

Tgt Ion: 164 Resp: 122545
Ion Ratio Lower Upper
164 100
162 99.5 80.7 121.1
160 45.2 35.0 52.6

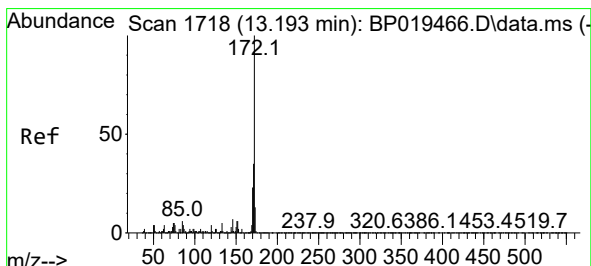
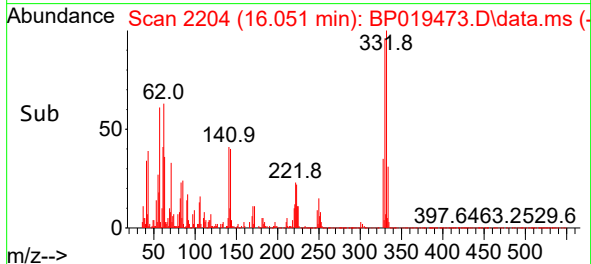
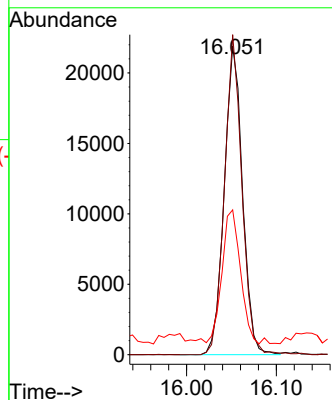
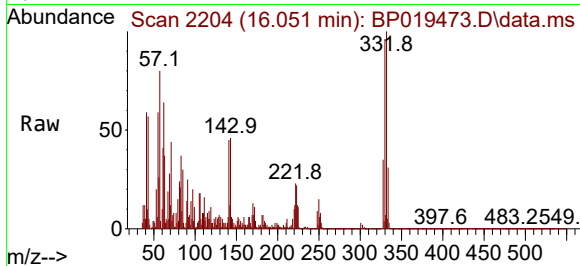




#42
2,4,6-Tribromophenol
Concen: 18.485 ng
RT: 16.051 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019473.D
Acq: 29 Jan 2024 19:19

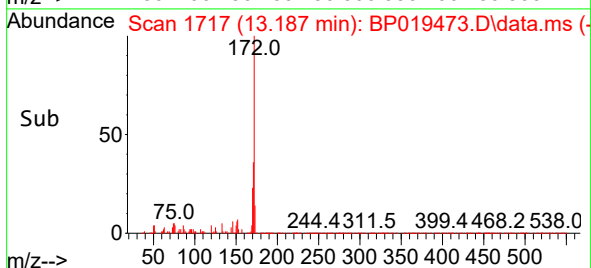
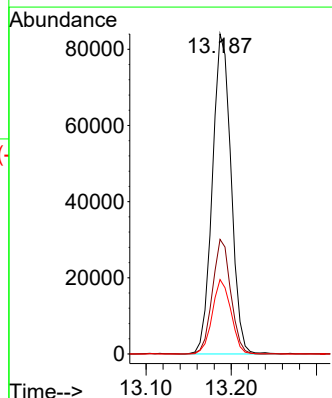
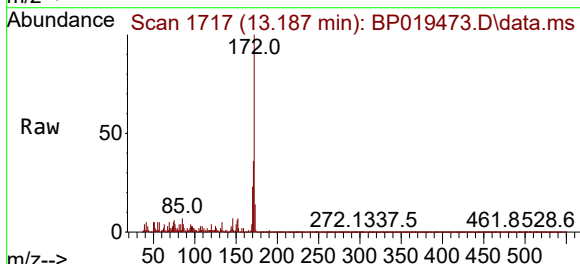
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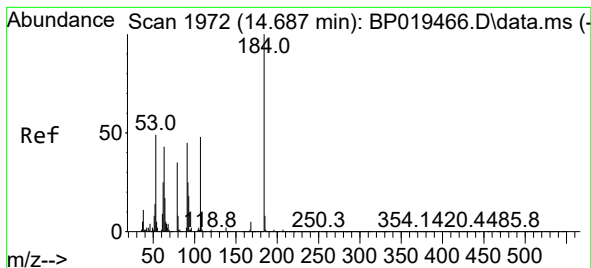
Tgt Ion:330 Resp: 31035
Ion Ratio Lower Upper
330 100
332 99.0 76.2 114.2
141 43.7 33.3 49.9



#45
2-Fluorobiphenyl
Concen: 13.406 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.006 min
Lab File: BP019473.D
Acq: 29 Jan 2024 19:19

Tgt Ion:172 Resp: 127587
Ion Ratio Lower Upper
172 100
171 35.8 28.1 42.1
170 23.2 18.6 27.8

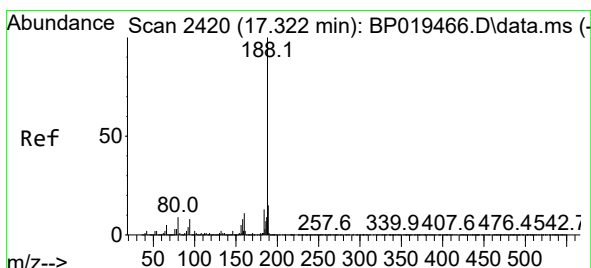
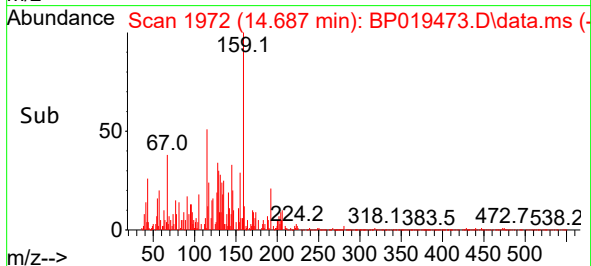
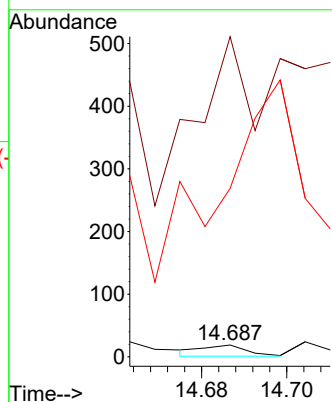
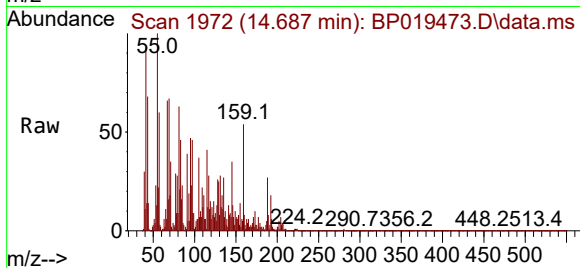




#54
2,4-Dinitrophenol
Concen: 3.963 ng
RT: 14.687 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BP019473.D
Acq: 29 Jan 2024 19:19

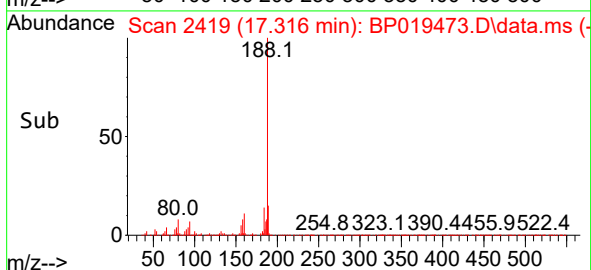
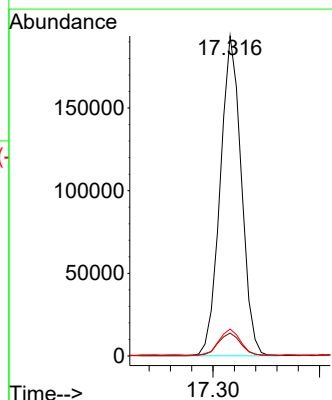
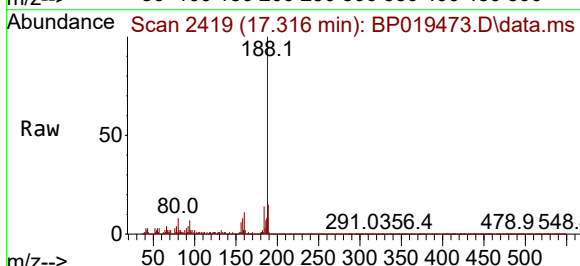
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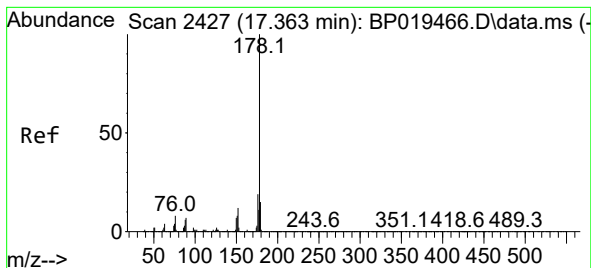
Tgt Ion:184 Resp: 13
Ion Ratio Lower Upper
184 100
63 3042.1 56.8 85.2#
154 1415.8 59.3 88.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.316 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP019473.D
Acq: 29 Jan 2024 19:19

Tgt Ion:188 Resp: 266061
Ion Ratio Lower Upper
188 100
94 7.1 6.1 9.1
80 8.4 6.8 10.2





#71

Phenanthrene

Concen: 7.549 ng

RT: 17.357 min Scan# 2427

Delta R.T. -0.006 min

Lab File: BP019473.D

Acq: 29 Jan 2024 19:19

Instrument :

BNA_P

ClientSampleId :

TR-04-012424

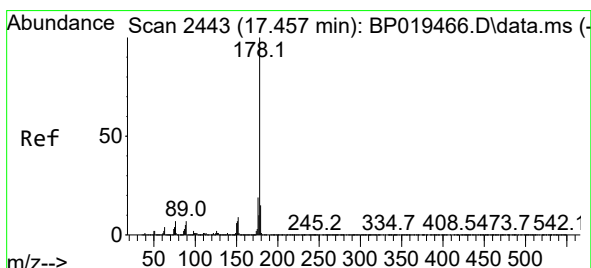
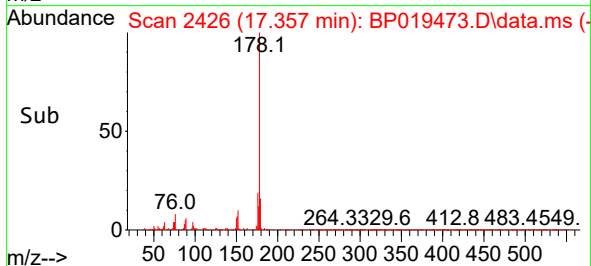
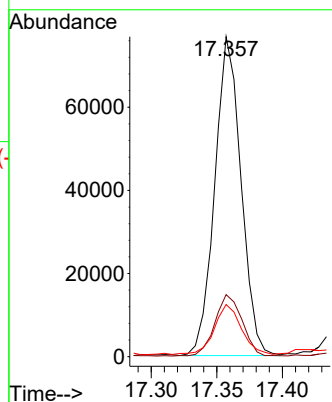
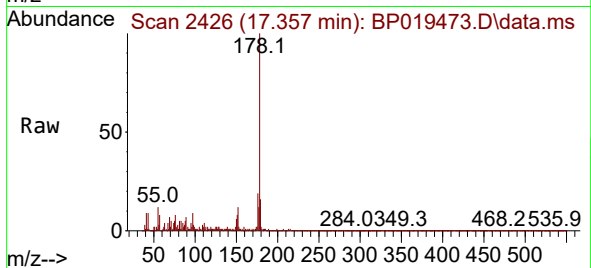
Tgt Ion:178 Resp: 106940

Ion Ratio Lower Upper

178 100

176 19.4 15.0 22.6

179 16.3 12.0 18.0



#72

Anthracene

Concen: 2.171 ng

RT: 17.451 min Scan# 2442

Delta R.T. -0.006 min

Lab File: BP019473.D

Acq: 29 Jan 2024 19:19

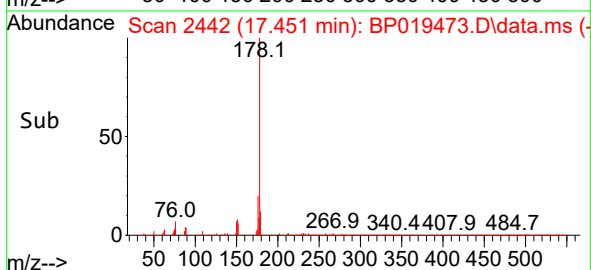
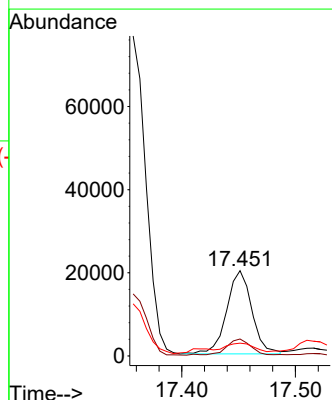
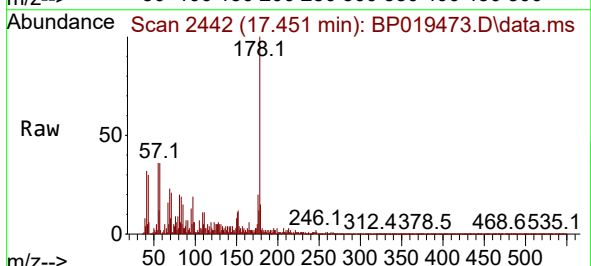
Tgt Ion:178 Resp: 30704

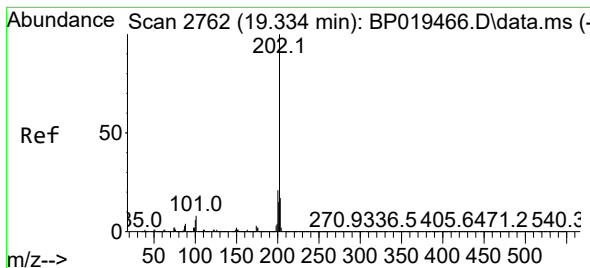
Ion Ratio Lower Upper

178 100

176 20.0 15.0 22.4

179 14.9 12.2 18.2





#75

Fluoranthene

Concen: 11.028 ng

RT: 19.328 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019473.D

Acq: 29 Jan 2024 19:19

Instrument :

BNA_P

ClientSampleId :

TR-04-012424

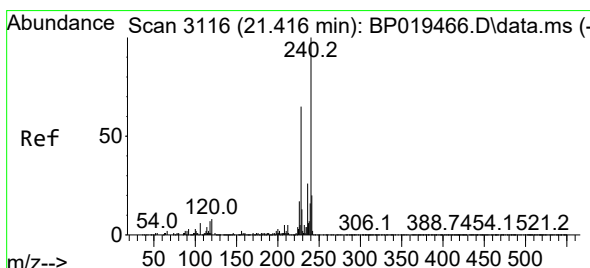
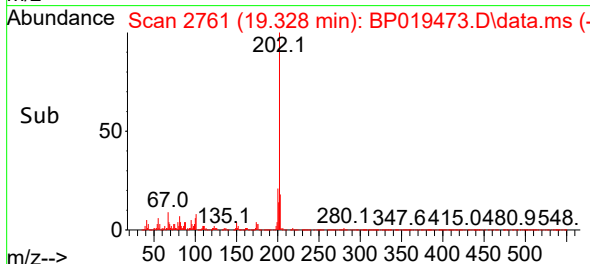
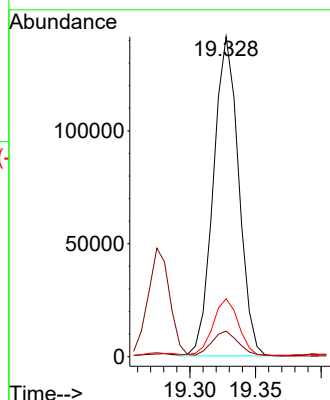
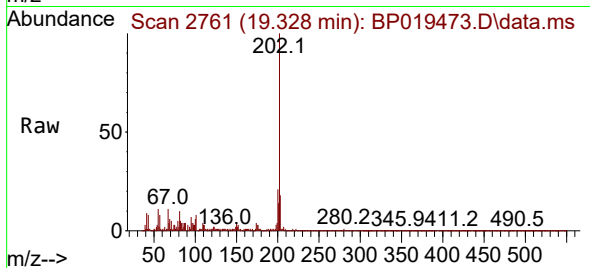
Tgt Ion:202 Resp: 189128

Ion Ratio Lower Upper

202 100

101 8.0 0.0 27.9

203 18.1 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.410 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BP019473.D

Acq: 29 Jan 2024 19:19

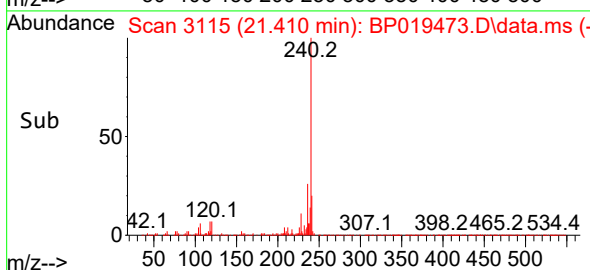
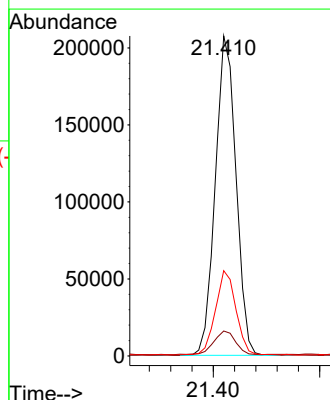
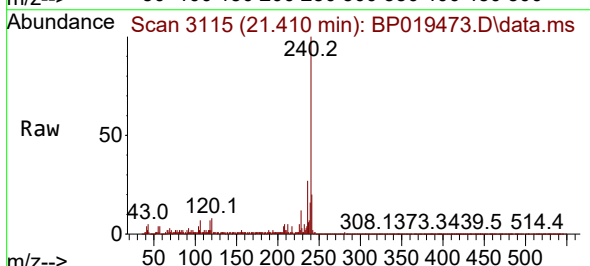
Tgt Ion:240 Resp: 279056

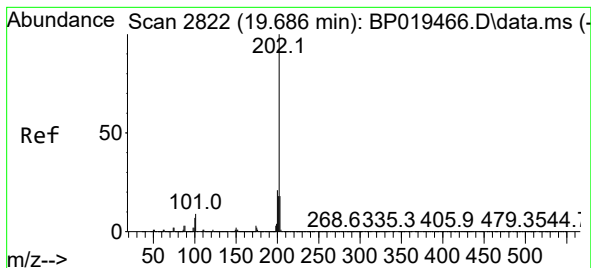
Ion Ratio Lower Upper

240 100

120 7.8 6.1 9.1

236 26.6 20.6 31.0





#78

Pyrene

Concen: 7.774 ng

RT: 19.681 min Scan# 2821

Delta R.T. -0.006 min

Lab File: BP019473.D

Acq: 29 Jan 2024 19:19

Instrument :

BNA_P

ClientSampleId :

TR-04-012424

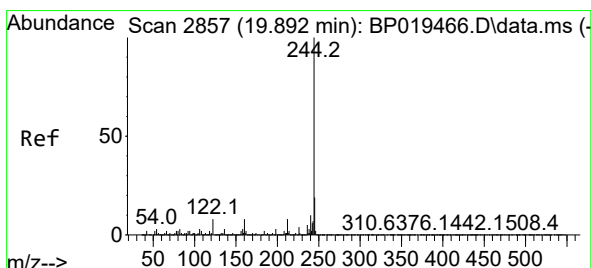
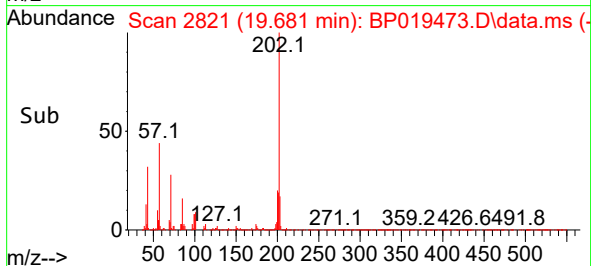
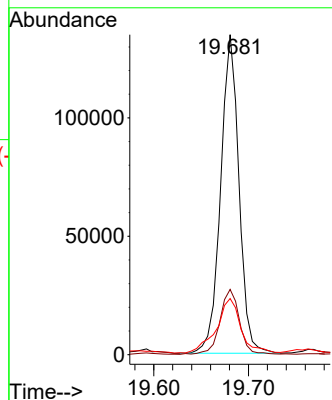
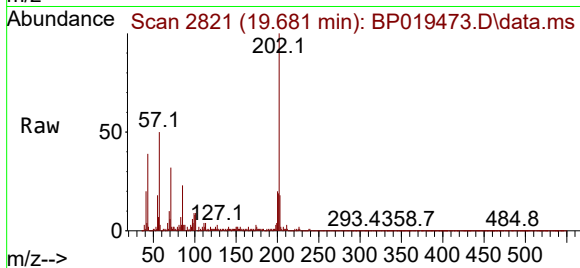
Tgt Ion:202 Resp: 181020

Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.6

203 17.6 14.2 21.2



#79

Terphenyl-d14

Concen: 9.542 ng

RT: 19.886 min Scan# 2856

Delta R.T. -0.006 min

Lab File: BP019473.D

Acq: 29 Jan 2024 19:19

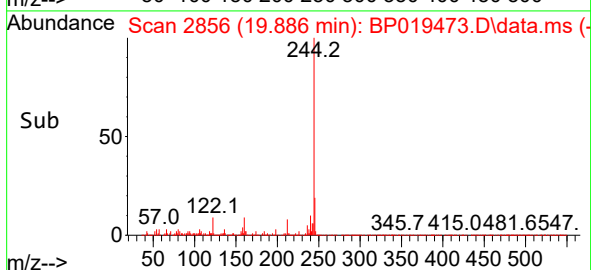
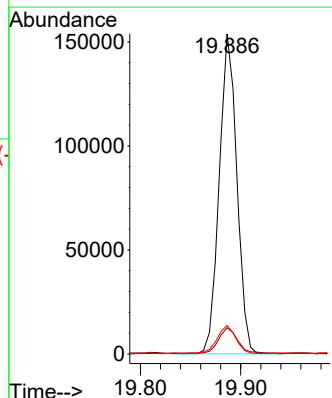
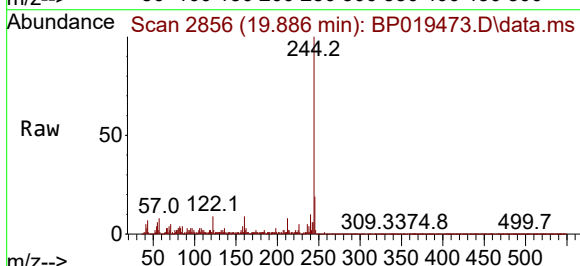
Tgt Ion:244 Resp: 186895

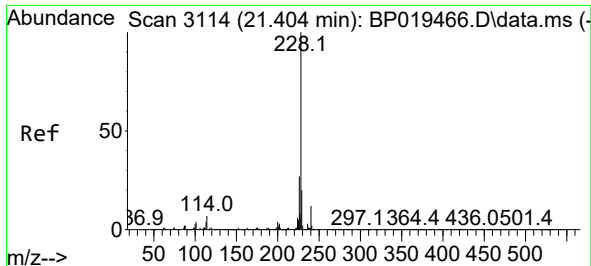
Ion Ratio Lower Upper

244 100

212 8.2 6.4 9.6

122 8.9 6.5 9.7

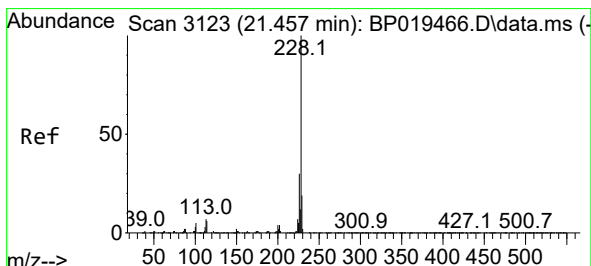
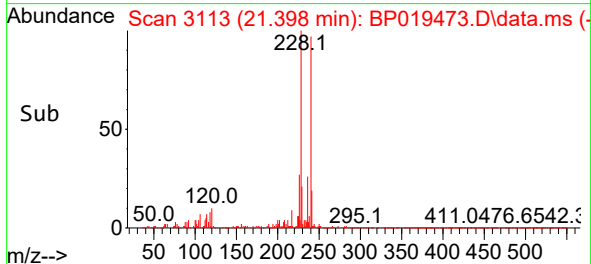
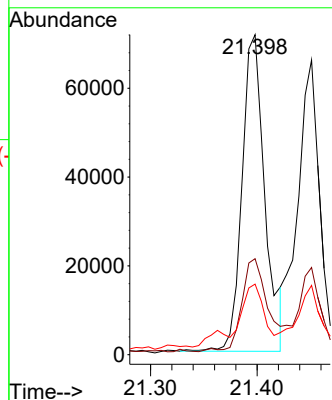
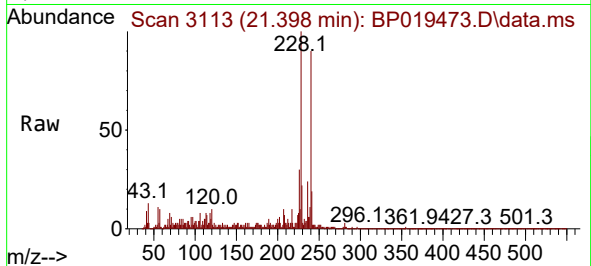




#81
Benzo(a)anthracene
Concen: 5.289 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BP019473.D
Acq: 29 Jan 2024 19:19

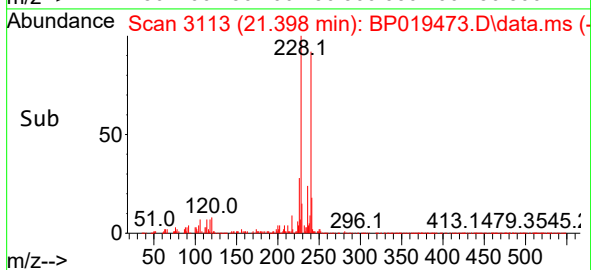
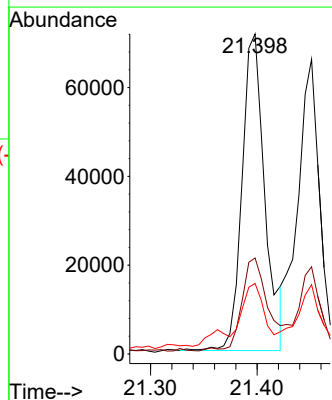
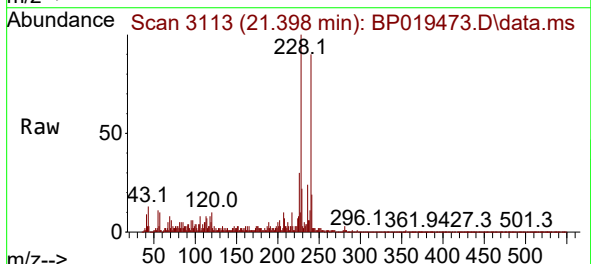
Instrument :
BNA_P
ClientSampleId :
TR-04-012424

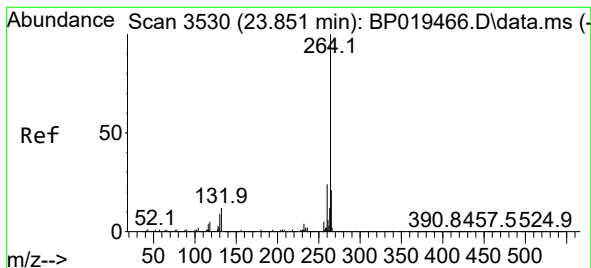
Tgt Ion:228 Resp: 106377
Ion Ratio Lower Upper
228 100
226 30.0 21.5 32.3
229 22.1 15.7 23.5



#83
Chrysene
Concen: 5.670 ng
RT: 21.398 min Scan# 3113
Delta R.T. -0.059 min
Lab File: BP019473.D
Acq: 29 Jan 2024 19:19

Tgt Ion:228 Resp: 106377
Ion Ratio Lower Upper
228 100
226 30.0 23.9 35.9
229 22.1 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.845 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP019473.D

Acq: 29 Jan 2024 19:19

Instrument :

BNA_P

ClientSampleId :

TR-04-012424

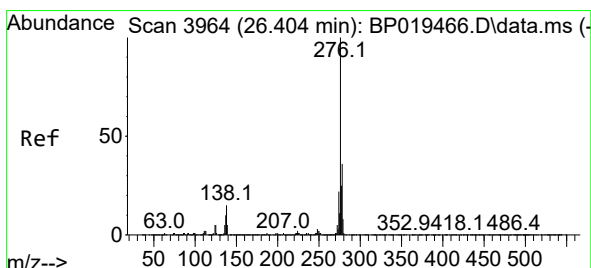
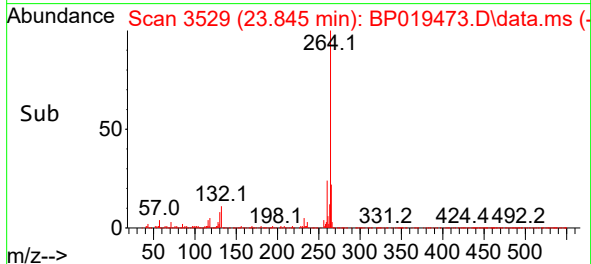
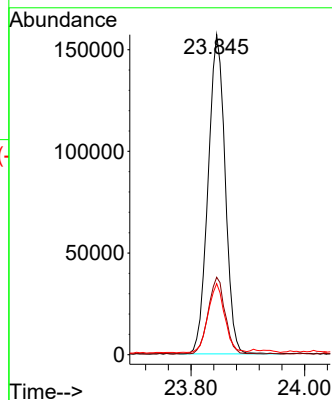
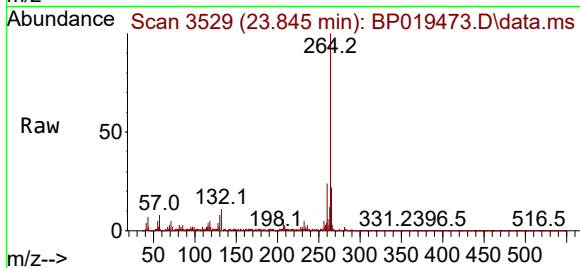
Tgt Ion:264 Resp: 326091

Ion Ratio Lower Upper

264 100

260 24.2 18.9 28.3

265 22.2 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.914 ng

RT: 26.380 min Scan# 3960

Delta R.T. -0.024 min

Lab File: BP019473.D

Acq: 29 Jan 2024 19:19

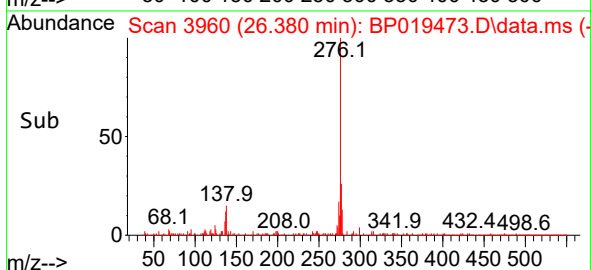
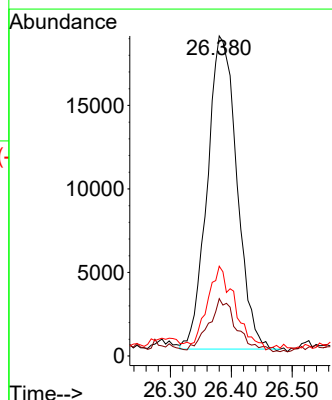
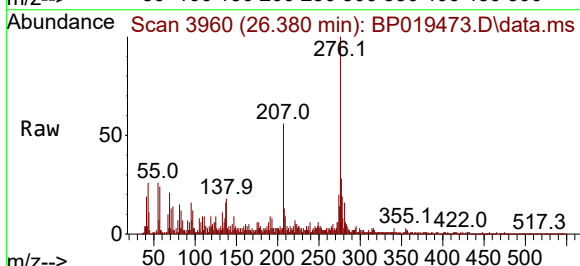
Tgt Ion:276 Resp: 63331

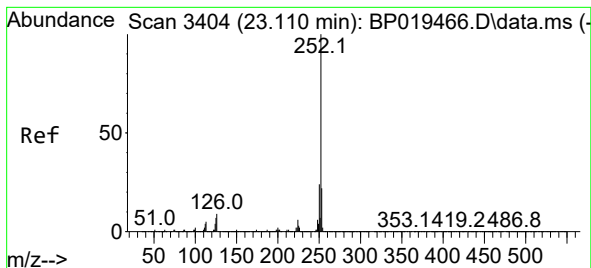
Ion Ratio Lower Upper

276 100

138 15.9 14.2 21.4

277 23.9 20.5 30.7





#88

Benzo(b)fluoranthene

Concen: 5.861 ng

RT: 23.104 min Scan# 3403

Delta R.T. -0.006 min

Lab File: BP019473.D

Acq: 29 Jan 2024 19:19

Instrument :

BNA_P

ClientSampleId :

TR-04-012424

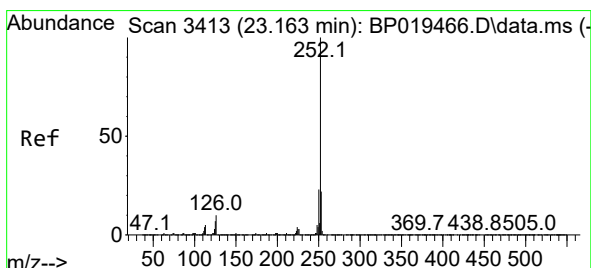
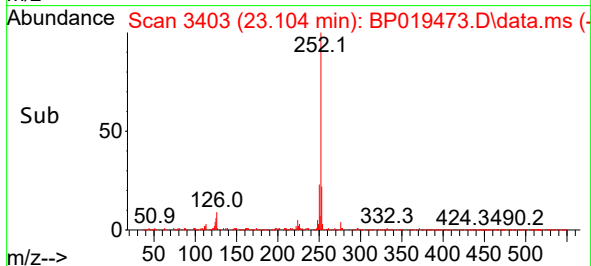
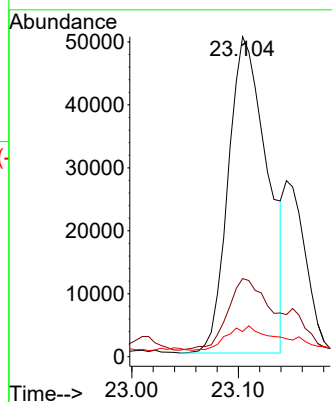
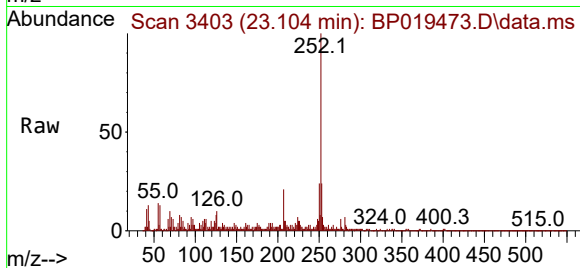
Tgt Ion:252 Resp: 127795

Ion Ratio Lower Upper

252 100

253 24.4 18.0 27.0

125 7.9 5.3 7.9



#89

Benzo(k)fluoranthene

Concen: 6.148 ng

RT: 23.104 min Scan# 3403

Delta R.T. -0.059 min

Lab File: BP019473.D

Acq: 29 Jan 2024 19:19

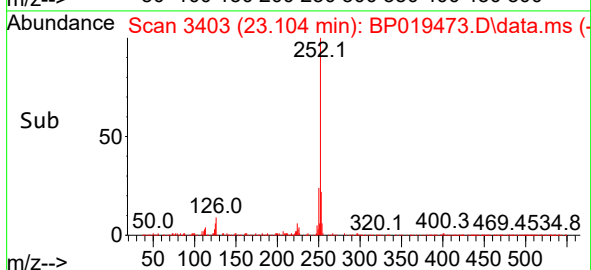
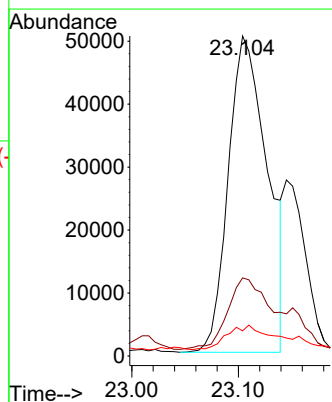
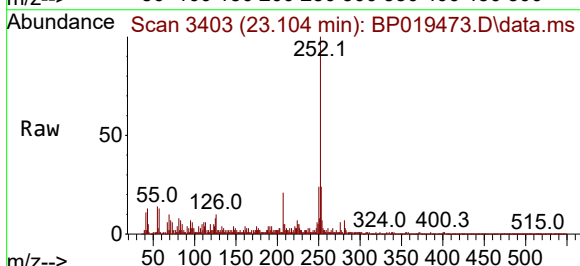
Tgt Ion:252 Resp: 127795

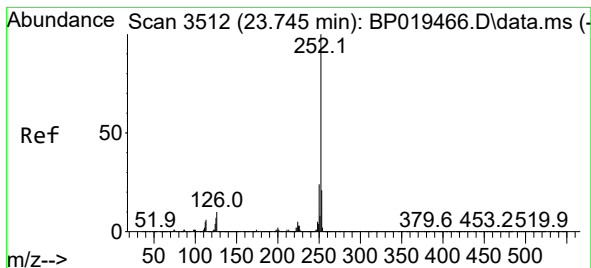
Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

125 7.9 5.4 8.2





#90

Benzo(a)pyrene

Concen: 5.093 ng

RT: 23.733 min Scan# 3512

Delta R.T. -0.012 min

Lab File: BP019473.D

Acq: 29 Jan 2024 19:19

Instrument :

BNA_P

ClientSampleId :

TR-04-012424

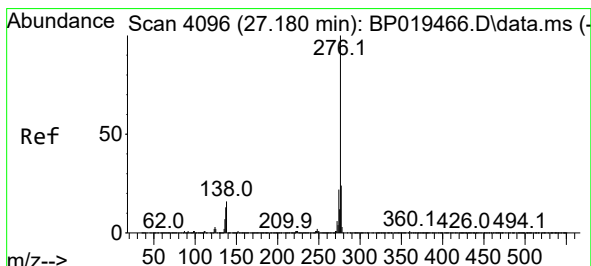
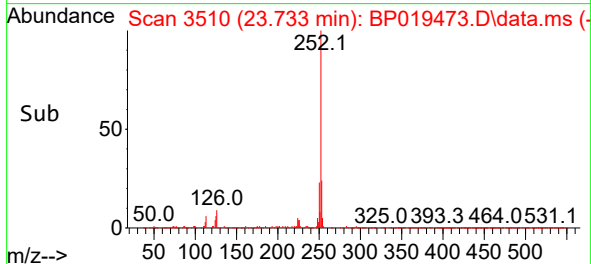
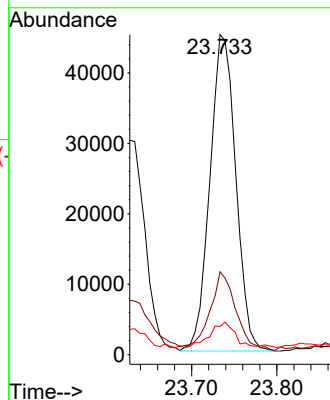
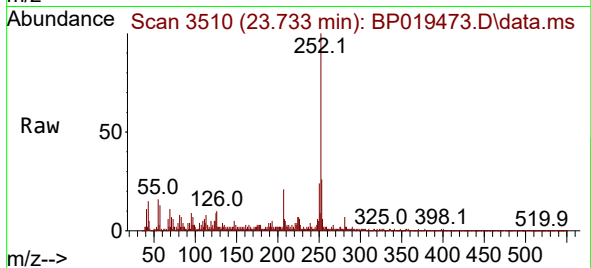
Tgt Ion:252 Resp: 94825

Ion Ratio Lower Upper

252 100

253 25.9 16.9 25.3#

125 8.8 6.0 9.0



#92

Benzo(g,h,i)perylene

Concen: 3.554 ng

RT: 27.168 min Scan# 4094

Delta R.T. -0.012 min

Lab File: BP019473.D

Acq: 29 Jan 2024 19:19

Tgt Ion:276 Resp: 63651

Ion Ratio Lower Upper

276 100

277 23.5 19.0 28.6

138 14.5 13.1 19.7

