

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022824\
 Data File : BP019923.D
 Acq On : 28 Feb 2024 18:53
 Operator : MA/JU
 Sample : P1611-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-05-022724

Quant Time: Feb 29 00:34:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 02:05:05 2024
 Response via : Initial Calibration

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

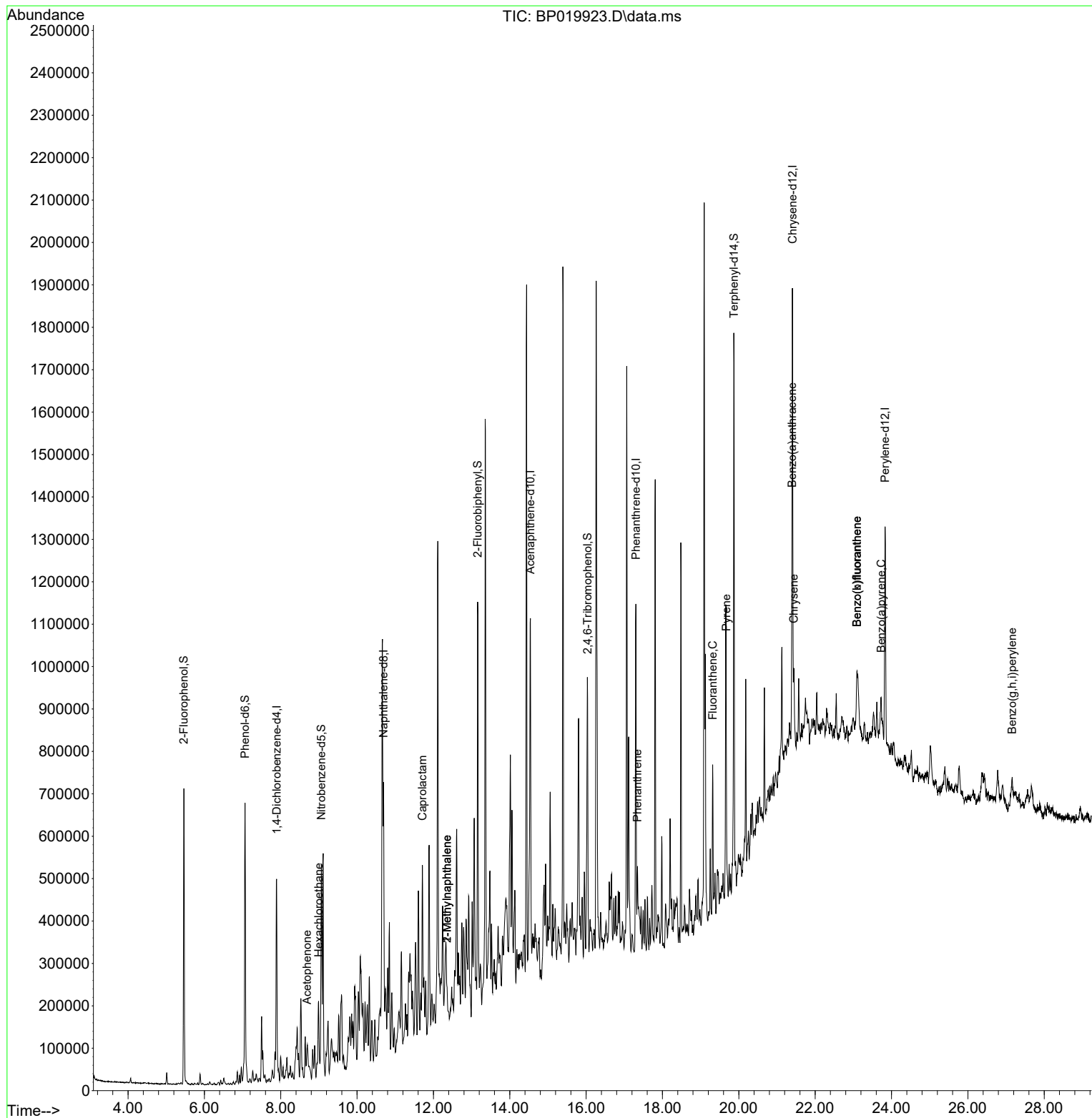
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	131820	20.000	ng	0.00
21) Naphthalene-d8	10.693	136	467191	20.000	ng	-0.01
39) Acenaphthene-d10	14.540	164	263444	20.000	ng	0.00
64) Phenanthrene-d10	17.304	188	482401	20.000	ng	0.00
76) Chrysene-d12	21.404	240	455925	20.000	ng	0.00
86) Perylene-d12	23.833	264	476336	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	280707	34.953	ng	0.00
7) Phenol-d6	7.064	99	375721	31.422	ng	-0.01
23) Nitrobenzene-d5	9.063	82	258923	22.374	ng	-0.01
42) 2,4,6-Tribromophenol	16.040	330	130561	28.903	ng	0.00
45) 2-Fluorobiphenyl	13.157	172	506802	25.992	ng	-0.01
79) Terphenyl-d14	19.875	244	645340	22.310	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	8.993	117	16605	4.501	ng	# 1
22) Acetophenone	8.687	105	36644	2.525	ng	# 61
35) Caprolactam	11.710	113	14079	4.625	ng	# 1
37) 2-Methylnaphthalene	12.357	142	42986	2.214	ng	96
38) 1-Methylnaphthalene	12.357	142	42986	2.340	ng	92
71) Phenanthrene	17.345	178	107305	4.167	ng	98
75) Fluoranthene	19.316	202	166799	4.991	ng	97
78) Pyrene	19.669	202	175012	5.587	ng	96
81) Benzo(a)anthracene	21.392	228	110192	3.405	ng	# 87
83) Chrysene	21.439	228	92966	3.066	ng	# 92
88) Benzo(b)fluoranthene	23.092	252	114049	3.905	ng	# 86
89) Benzo(k)fluoranthene	23.092	252	114049	3.982	ng	# 85
90) Benzo(a)pyrene	23.727	252	87001	3.117	ng	# 90
92) Benzo(g,h,i)perylene	27.157	276	60124	2.209	ng	95

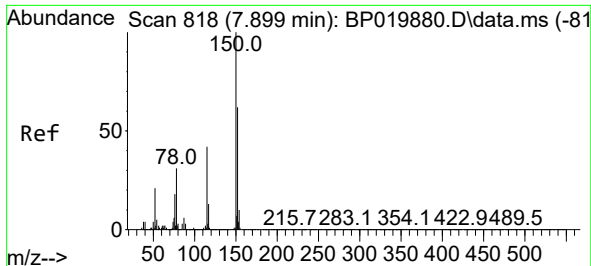
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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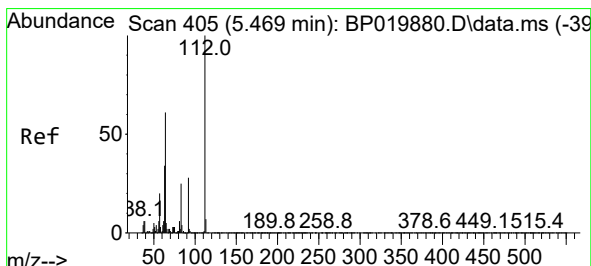
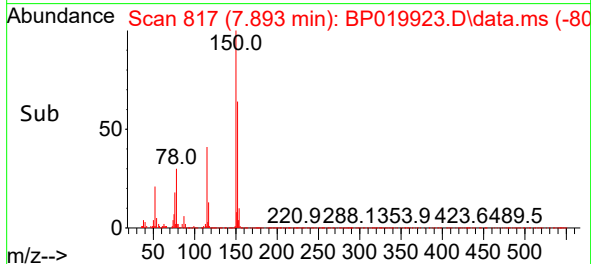
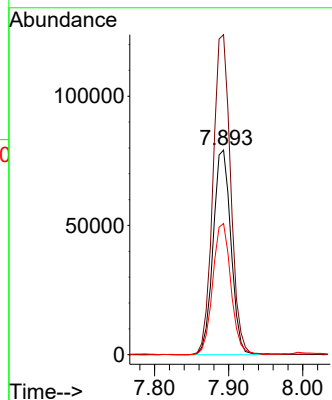
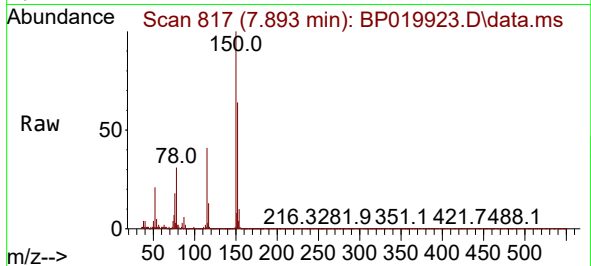




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP019923.D
Acq: 28 Feb 2024 18:53

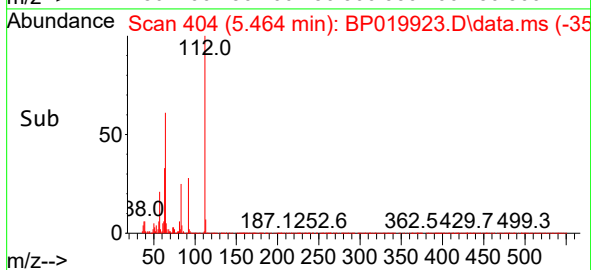
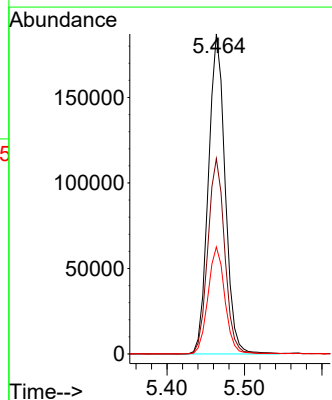
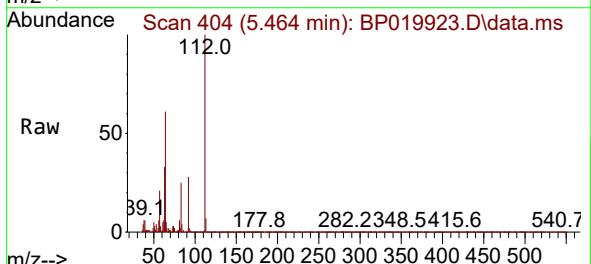
Instrument :
BNA_P
ClientSampleId :
TR-05-022724

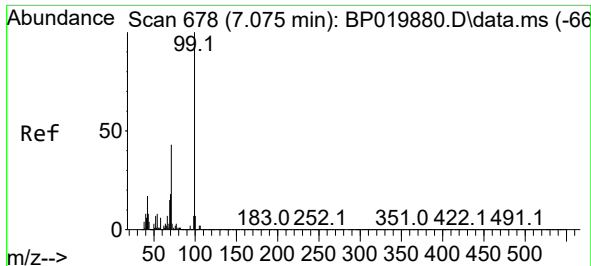
Tgt Ion:152 Resp: 131820
Ion Ratio Lower Upper
152 100
150 156.4 128.6 192.8
115 64.1 53.4 80.2



#5
2-Fluorophenol
Concen: 34.953 ng
RT: 5.464 min Scan# 404
Delta R.T. -0.006 min
Lab File: BP019923.D
Acq: 28 Feb 2024 18:53

Tgt Ion:112 Resp: 280707
Ion Ratio Lower Upper
112 100
64 61.1 49.0 73.6
63 33.4 27.6 41.4

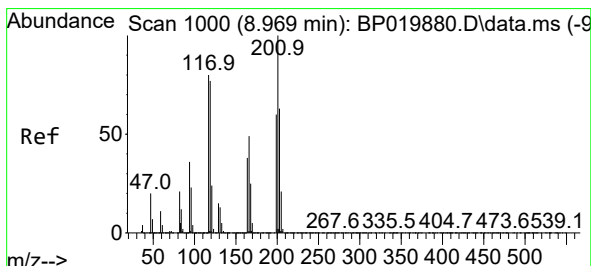
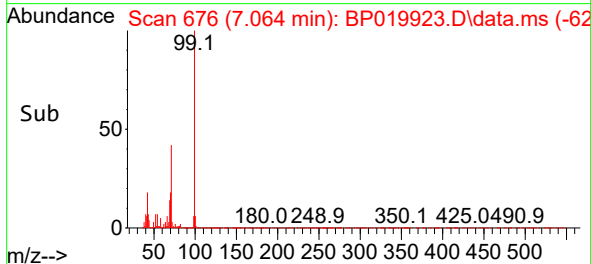
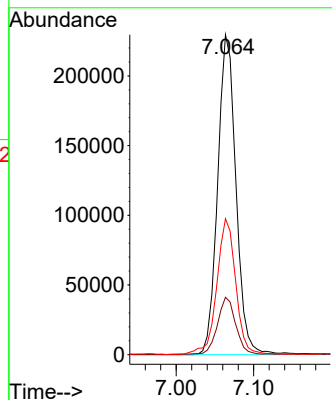
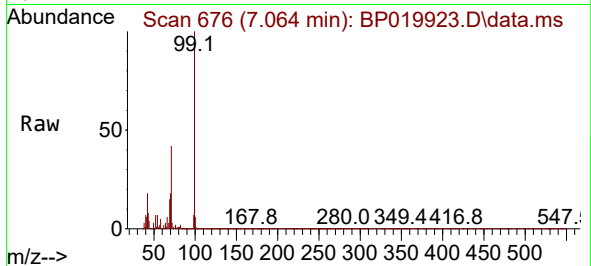




#7
Phenol-d6
Concen: 31.422 ng
RT: 7.064 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP019923.D
Acq: 28 Feb 2024 18:53

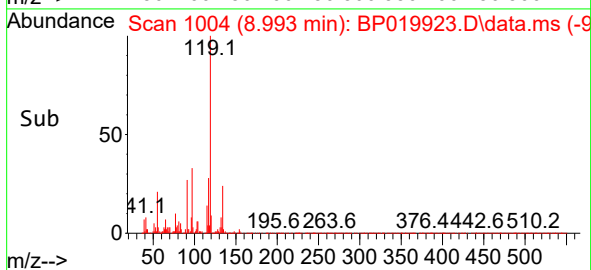
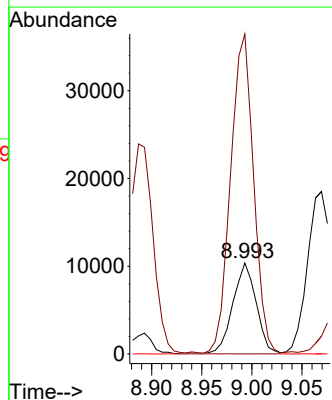
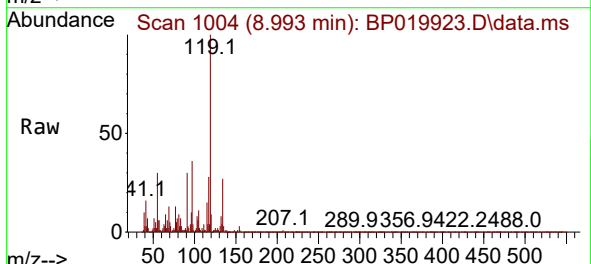
Instrument :
BNA_P
ClientSampleId :
TR-05-022724

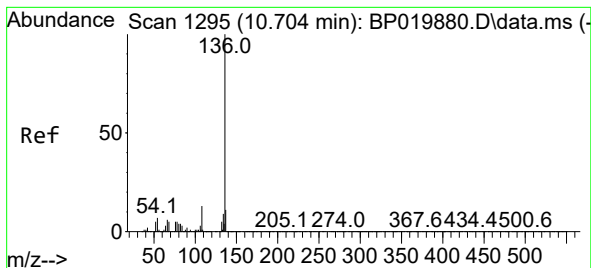
Tgt Ion: 99 Resp: 375721
Ion Ratio Lower Upper
99 100
42 17.9 13.8 20.8
71 42.5 34.5 51.7



#18
Hexachloroethane
Concen: 4.501 ng
RT: 8.993 min Scan# 1004
Delta R.T. 0.024 min
Lab File: BP019923.D
Acq: 28 Feb 2024 18:53

Tgt Ion: 117 Resp: 16605
Ion Ratio Lower Upper
117 100
119 352.0 76.9 115.3#
201 0.1 99.6 149.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.693 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP019923.D

Acq: 28 Feb 2024 18:53

Instrument :

BNA_P

ClientSampleId :

TR-05-022724

Tgt Ion:136 Resp: 467191

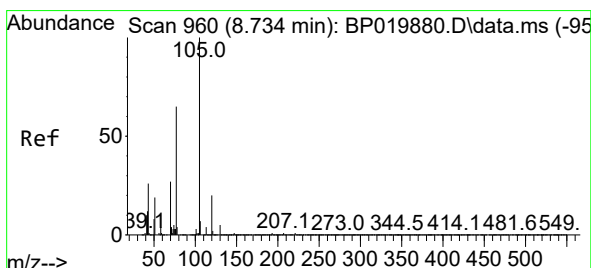
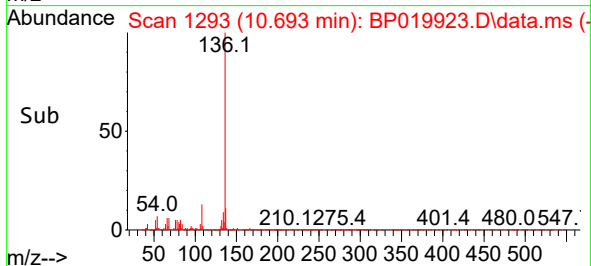
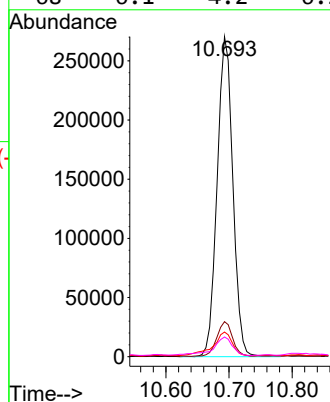
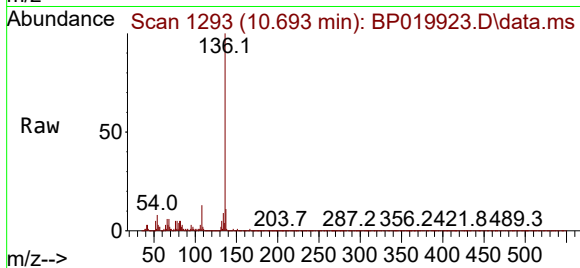
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 7.7 6.0 9.0

68 6.1 4.2 6.2



#22

Acetophenone

Concen: 2.525 ng

RT: 8.687 min Scan# 952

Delta R.T. -0.047 min

Lab File: BP019923.D

Acq: 28 Feb 2024 18:53

Tgt Ion:105 Resp: 36644

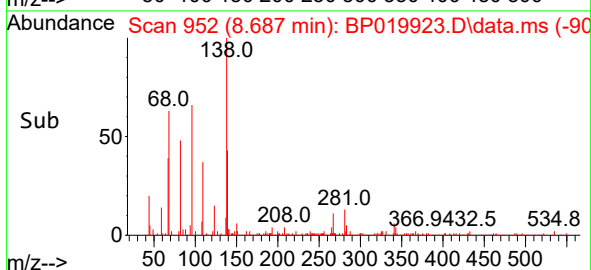
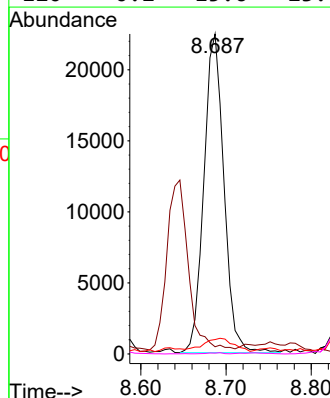
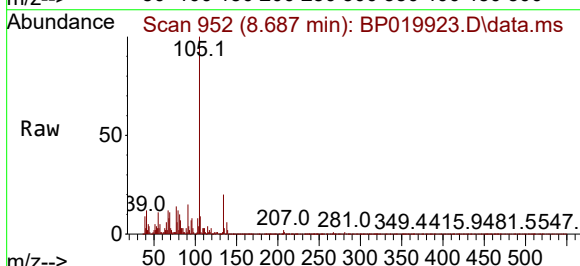
Ion Ratio Lower Upper

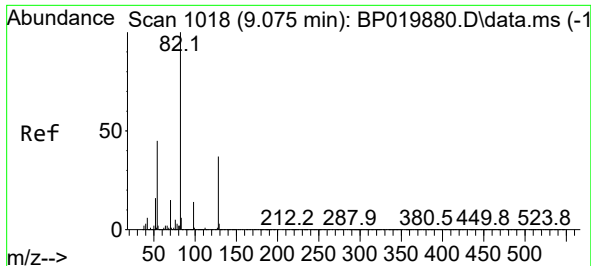
105 100

71 2.2 3.7 5.5#

51 4.5 20.5 30.7#

120 0.2 15.6 23.4#

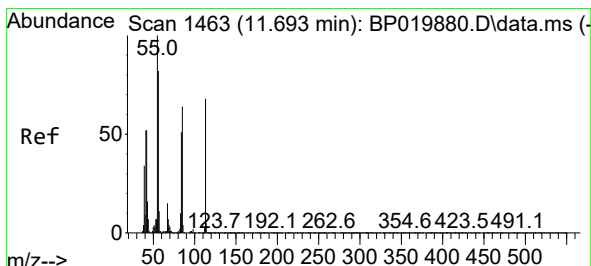
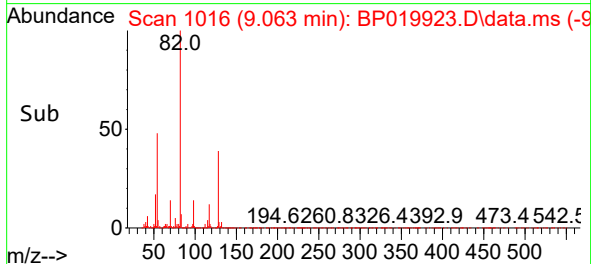
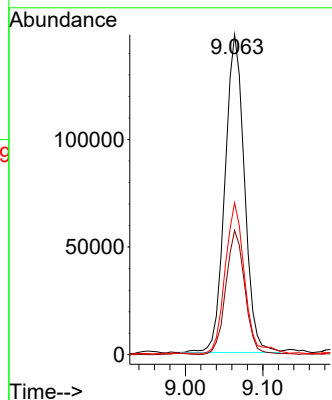
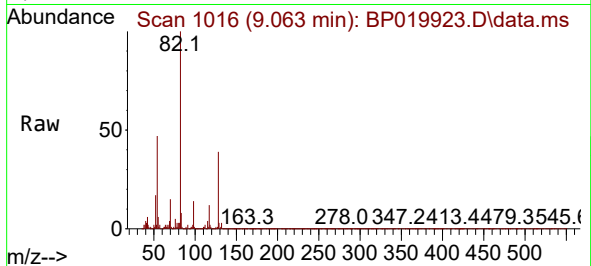




#23
Nitrobenzene-d5
Concen: 22.374 ng
RT: 9.063 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BP019923.D
Acq: 28 Feb 2024 18:53

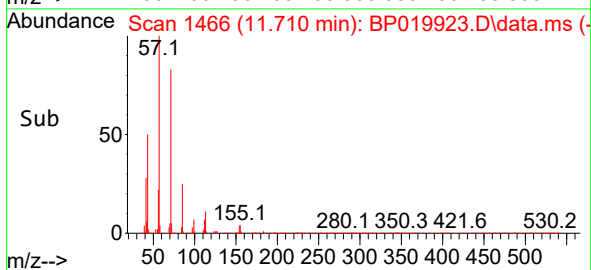
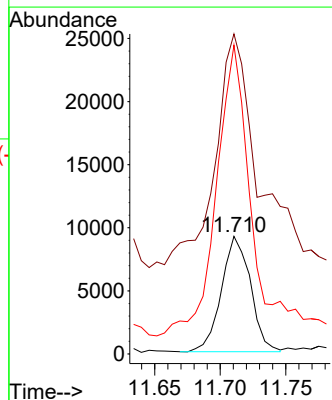
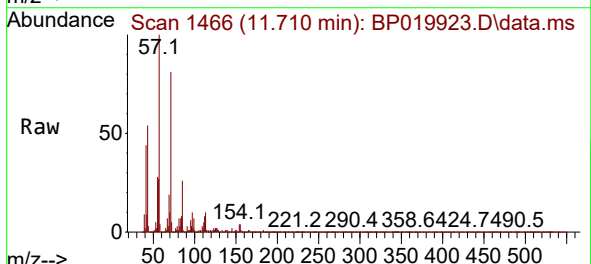
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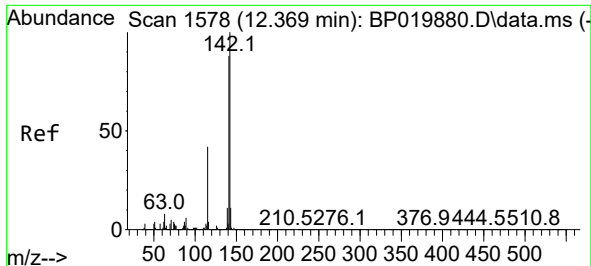
Tgt Ion: 82 Resp: 258923
Ion Ratio Lower Upper
82 100
128 38.8 29.6 44.4
54 47.4 36.3 54.5



#35
Caprolactam
Concen: 4.625 ng
RT: 11.710 min Scan# 1466
Delta R.T. 0.018 min
Lab File: BP019923.D
Acq: 28 Feb 2024 18:53

Tgt Ion: 113 Resp: 14079
Ion Ratio Lower Upper
113 100
55 272.1 127.6 167.6#
56 262.6 100.9 140.9#

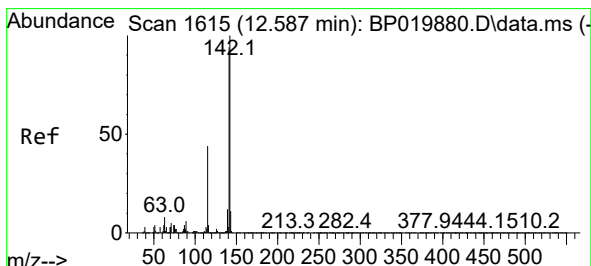
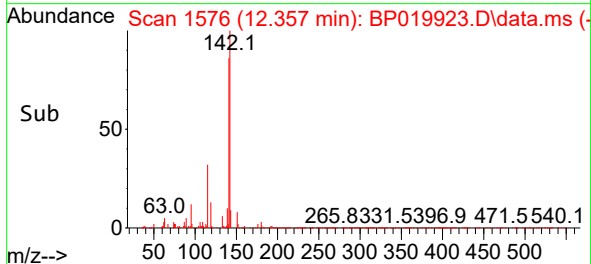
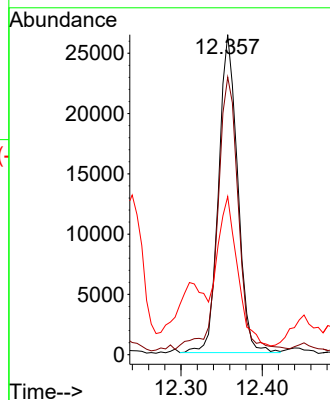
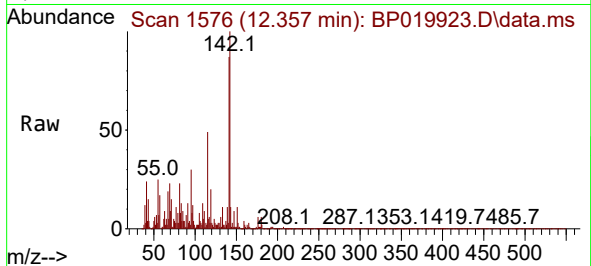




#37
2-Methylnaphthalene
Concen: 2.214 ng
RT: 12.357 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BP019923.D
Acq: 28 Feb 2024 18:53

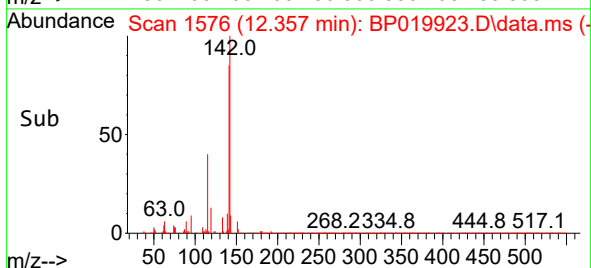
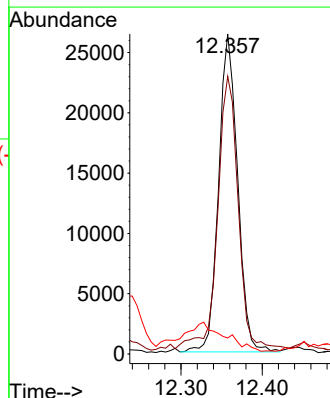
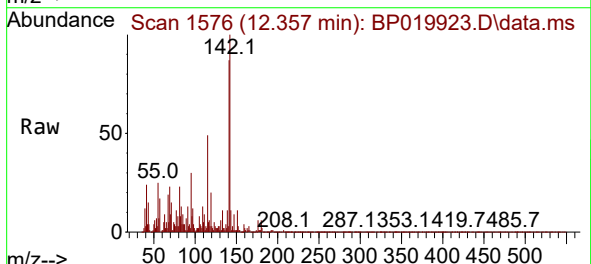
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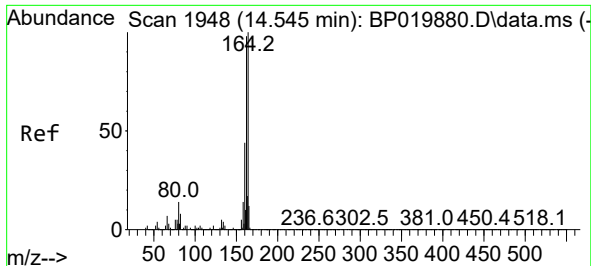
Tgt Ion:142 Resp: 42986
Ion Ratio Lower Upper
142 100
141 86.8 70.0 105.0
115 49.4 33.7 50.5



#38
1-Methylnaphthalene
Concen: 2.340 ng
RT: 12.357 min Scan# 1576
Delta R.T. -0.229 min
Lab File: BP019923.D
Acq: 28 Feb 2024 18:53

Tgt Ion:142 Resp: 42986
Ion Ratio Lower Upper
142 100
141 86.8 75.5 113.3
116 5.0 3.5 5.3

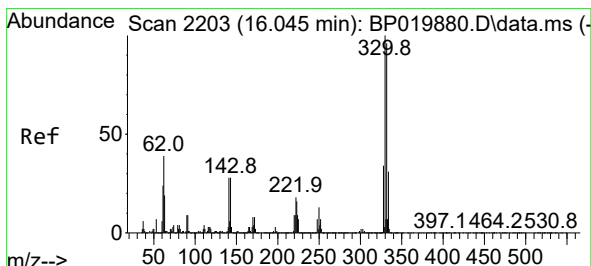
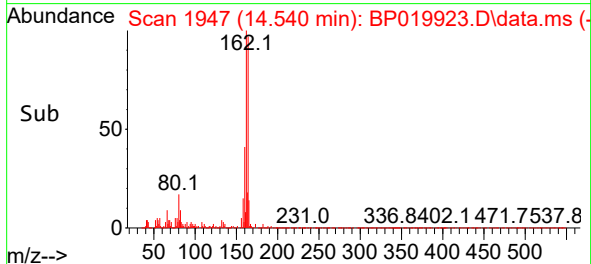
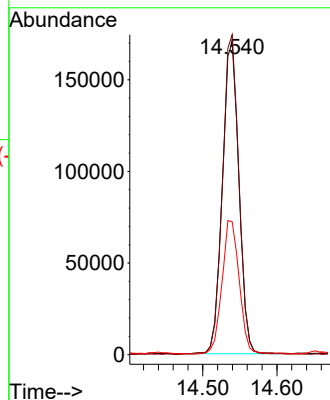
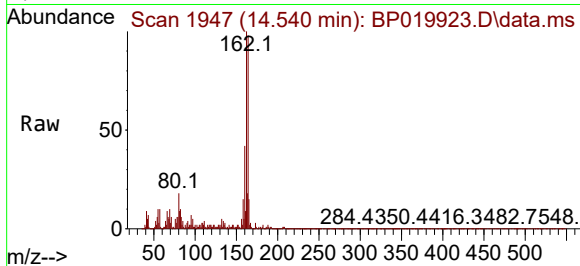




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.540 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP019923.D
Acq: 28 Feb 2024 18:53

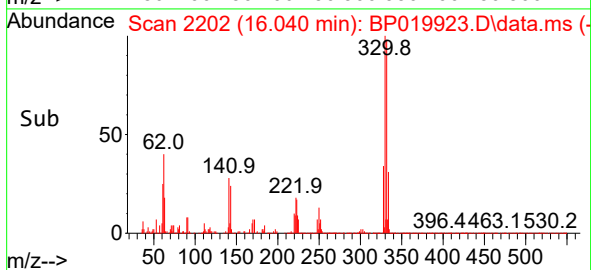
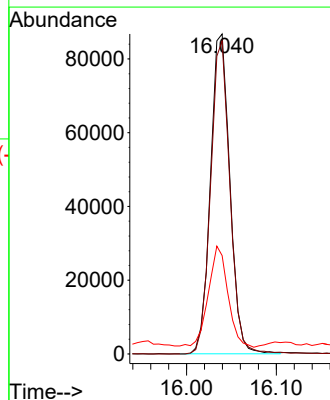
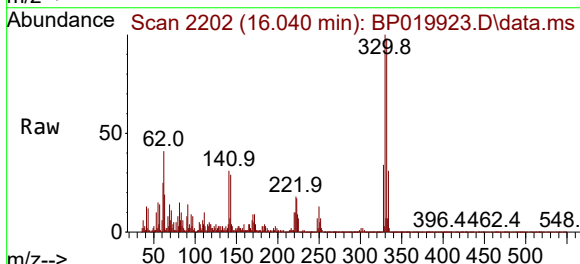
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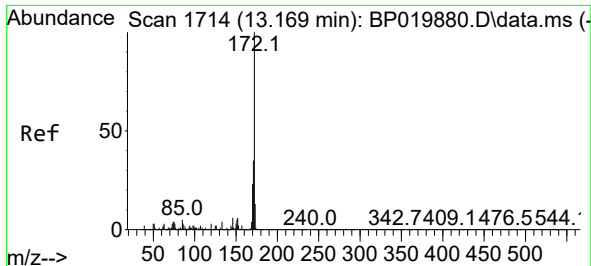
Tgt Ion:164 Resp: 263444
Ion Ratio Lower Upper
164 100
162 102.5 78.1 117.1
160 42.6 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 28.903 ng
RT: 16.040 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BP019923.D
Acq: 28 Feb 2024 18:53

Tgt Ion:330 Resp: 130561
Ion Ratio Lower Upper
330 100
332 97.4 77.4 116.2
141 32.1 24.6 37.0

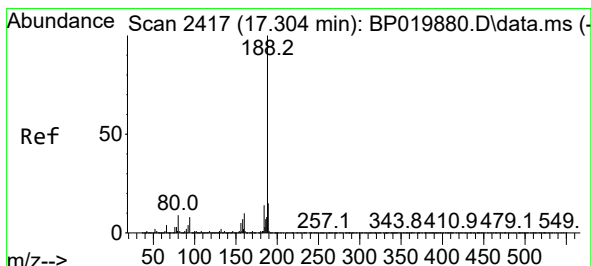
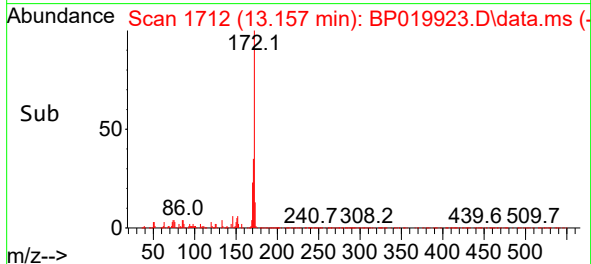
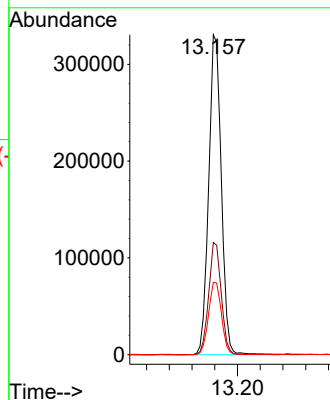
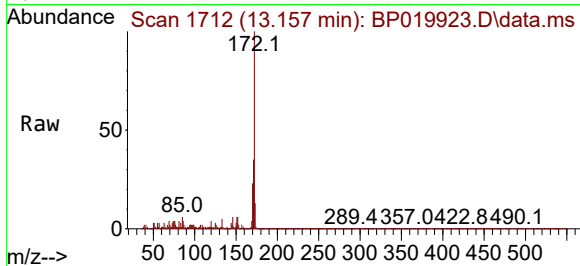




#45
2-Fluorobiphenyl
Concen: 25.992 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP019923.D
Acq: 28 Feb 2024 18:53

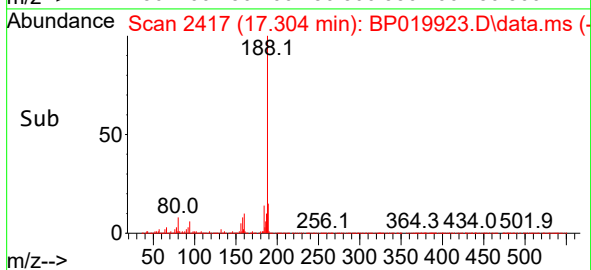
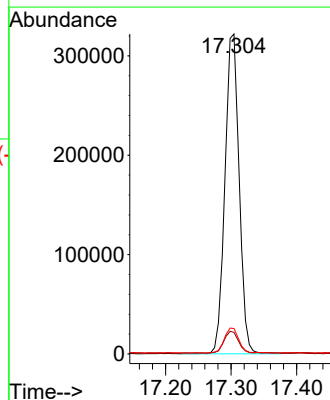
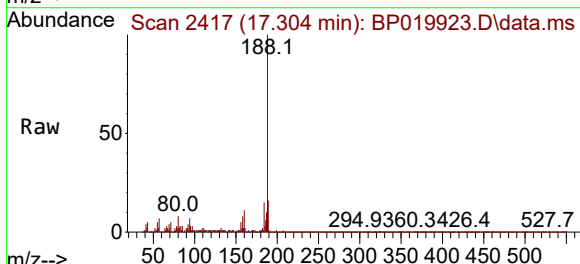
Instrument :
BNA_P
ClientSampleId :
TR-05-022724

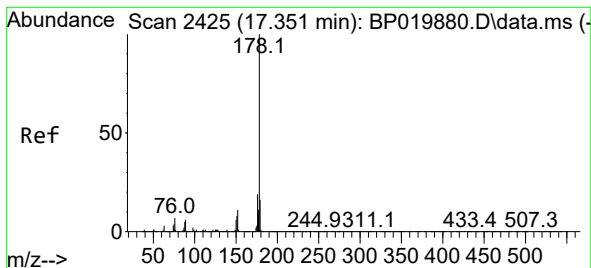
Tgt Ion:172 Resp: 506802
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.6
170 22.6 18.4 27.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.304 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP019923.D
Acq: 28 Feb 2024 18:53

Tgt Ion:188 Resp: 482401
Ion Ratio Lower Upper
188 100
94 6.7 6.2 9.4
80 8.0 7.0 10.4





#71

Phenanthrene

Concen: 4.167 ng

RT: 17.345 min Scan# 2425

Delta R.T. -0.006 min

Lab File: BP019923.D

Acq: 28 Feb 2024 18:53

Instrument :

BNA_P

ClientSampleId :

TR-05-022724

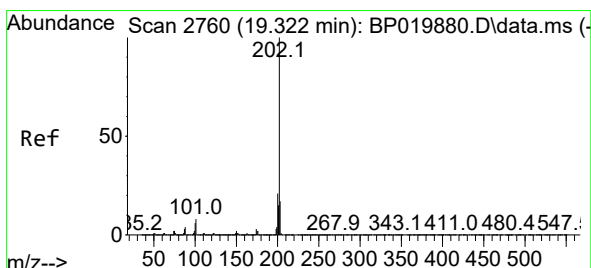
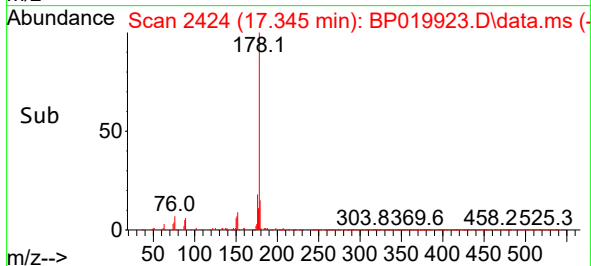
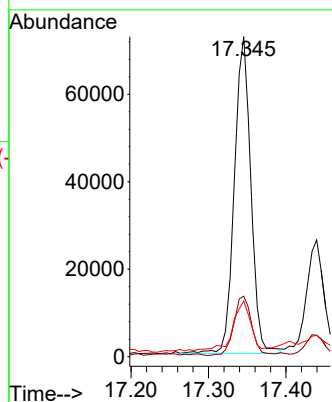
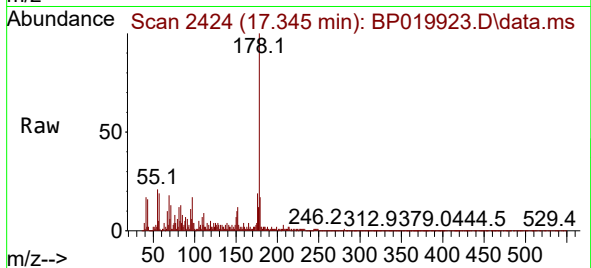
Tgt Ion:178 Resp: 107305

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

179 17.4 12.5 18.7



#75

Fluoranthene

Concen: 4.991 ng

RT: 19.316 min Scan# 2759

Delta R.T. -0.006 min

Lab File: BP019923.D

Acq: 28 Feb 2024 18:53

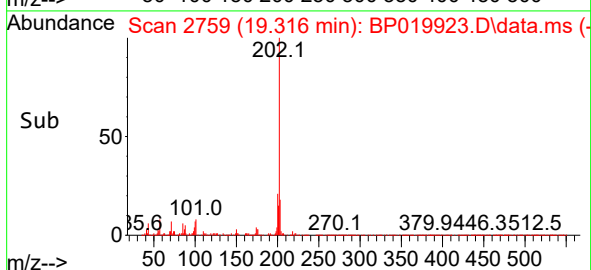
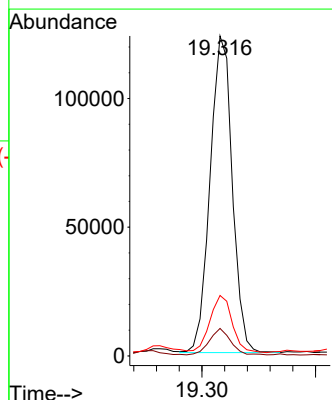
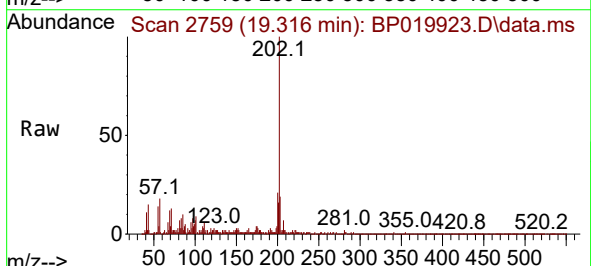
Tgt Ion:202 Resp: 166799

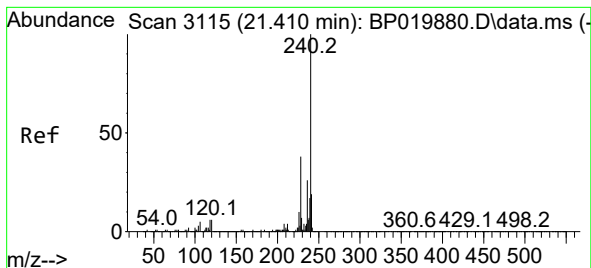
Ion Ratio Lower Upper

202 100

101 8.6 0.0 27.7

203 18.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.404 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BP019923.D

Acq: 28 Feb 2024 18:53

Instrument :

BNA_P

ClientSampleId :

TR-05-022724

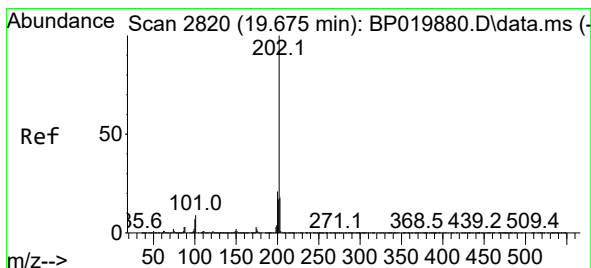
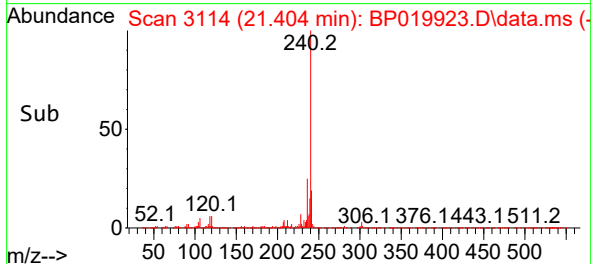
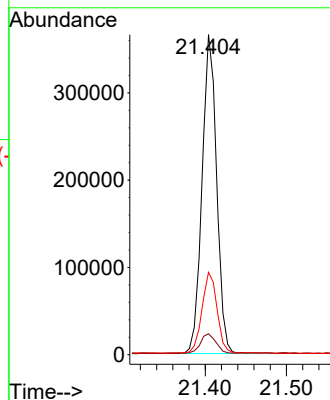
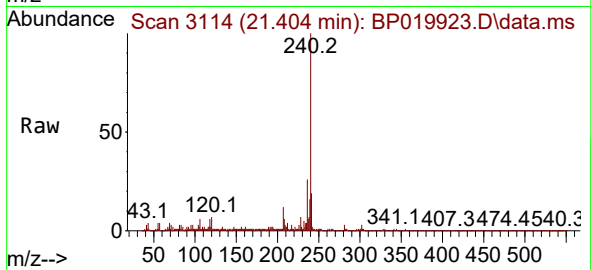
Tgt Ion:240 Resp: 455925

Ion Ratio Lower Upper

240 100

120 6.6 5.1 7.7

236 25.8 20.5 30.7



#78

Pyrene

Concen: 5.587 ng

RT: 19.669 min Scan# 2819

Delta R.T. -0.006 min

Lab File: BP019923.D

Acq: 28 Feb 2024 18:53

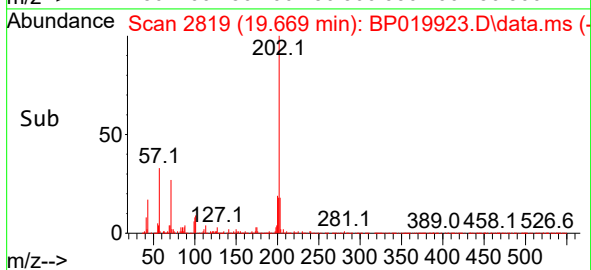
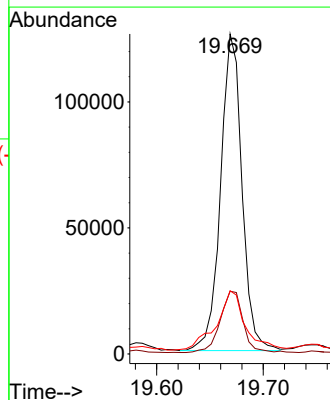
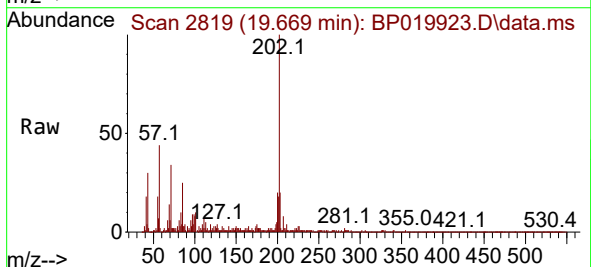
Tgt Ion:202 Resp: 175012

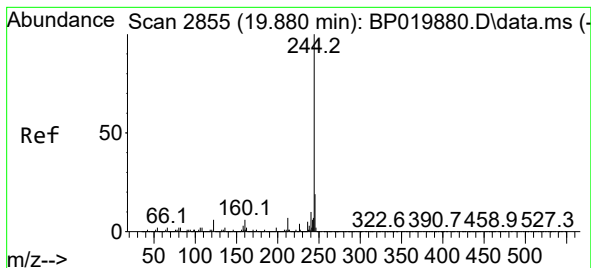
Ion Ratio Lower Upper

202 100

200 19.6 16.7 25.1

203 19.7 14.2 21.2





#79

Terphenyl-d14

Concen: 22.310 ng

RT: 19.875 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019923.D

Acq: 28 Feb 2024 18:53

Instrument :

BNA_P

ClientSampleId :

TR-05-022724

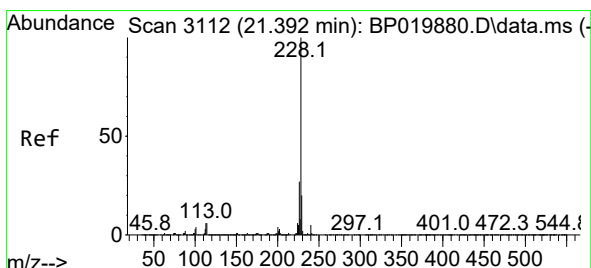
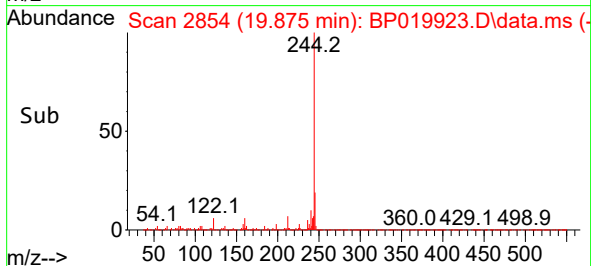
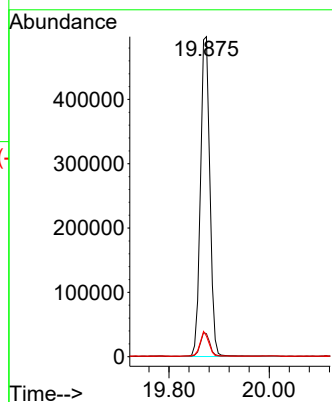
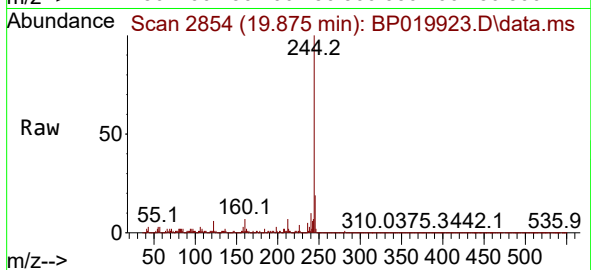
Tgt Ion:244 Resp: 645340

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 6.4 5.0 7.6



#81

Benzo(a)anthracene

Concen: 3.405 ng

RT: 21.392 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BP019923.D

Acq: 28 Feb 2024 18:53

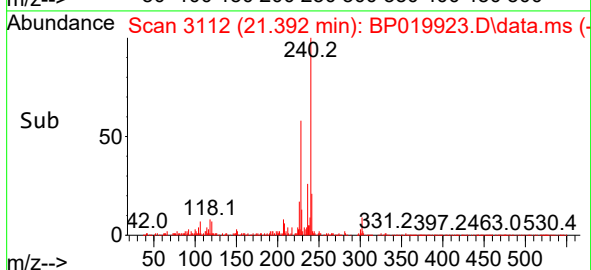
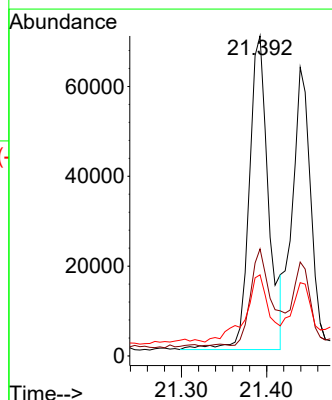
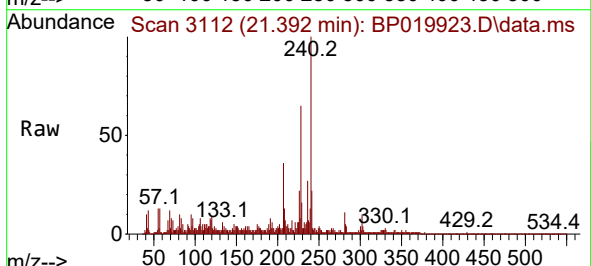
Tgt Ion:228 Resp: 110192

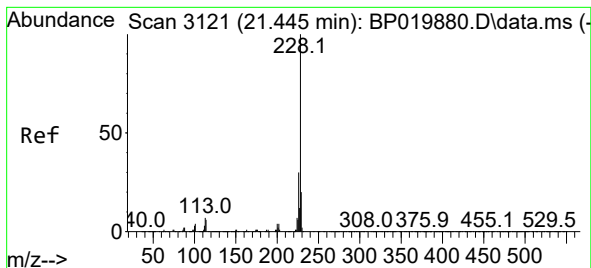
Ion Ratio Lower Upper

228 100

226 33.4 21.5 32.3#

229 25.3 15.6 23.4#





#83

Chrysene

Concen: 3.066 ng

RT: 21.439 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BP019923.D

Acq: 28 Feb 2024 18:53

Instrument :

BNA_P

ClientSampleId :

TR-05-022724

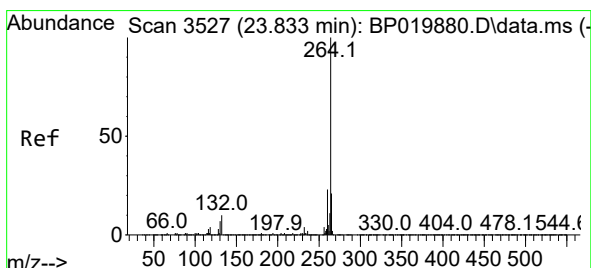
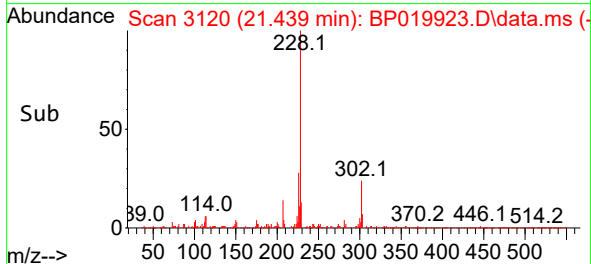
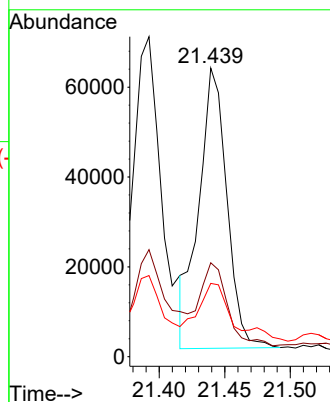
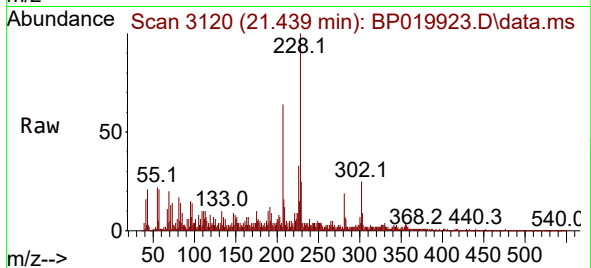
Tgt Ion:228 Resp: 92966

Ion Ratio Lower Upper

228 100

226 32.6 23.9 35.9

229 25.4 15.7 23.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.833 min Scan# 3527

Delta R.T. 0.000 min

Lab File: BP019923.D

Acq: 28 Feb 2024 18:53

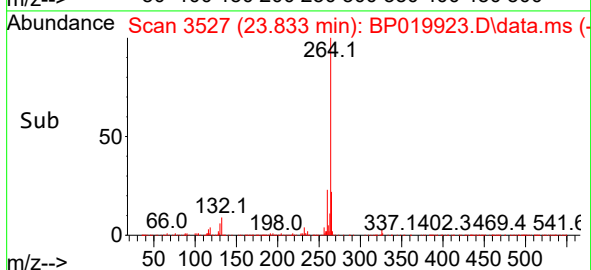
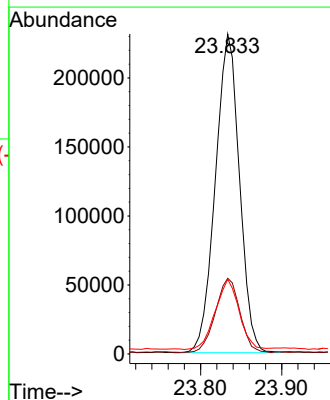
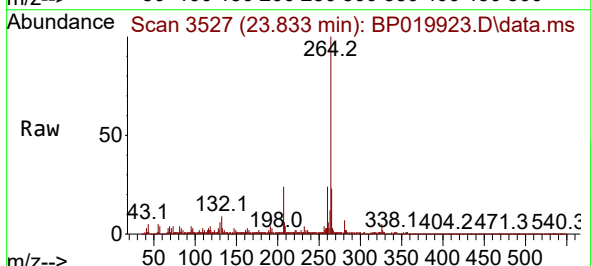
Tgt Ion:264 Resp: 476336

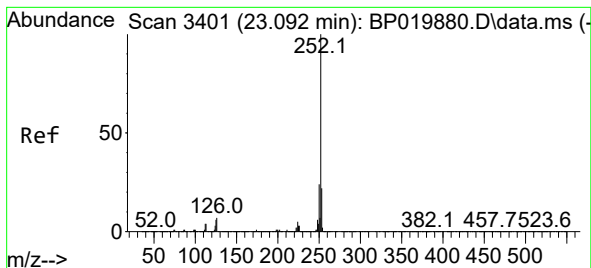
Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 23.4 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 3.905 ng

RT: 23.092 min Scan# 3401

Delta R.T. 0.000 min

Lab File: BP019923.D

Acq: 28 Feb 2024 18:53

Instrument :

BNA_P

ClientSampleId :

TR-05-022724

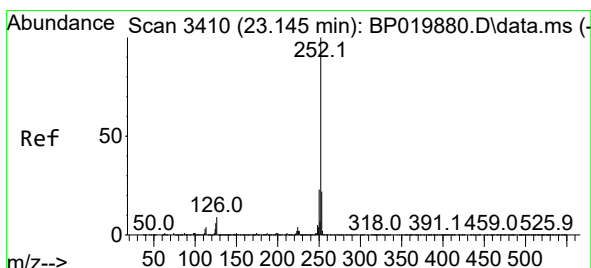
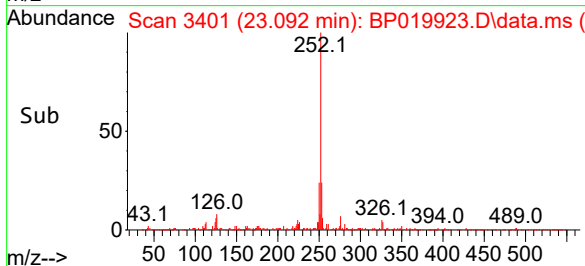
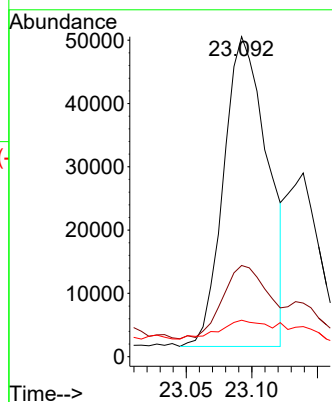
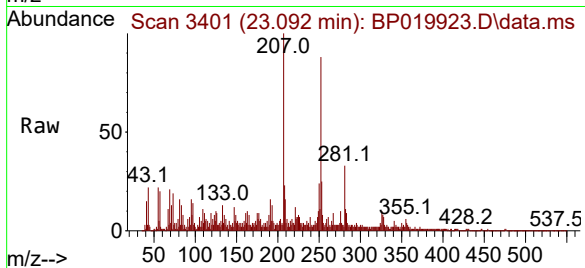
Tgt Ion:252 Resp: 114049

Ion Ratio Lower Upper

252 100

253 28.5 17.6 26.4#

125 11.4 4.6 7.0#



#89

Benzo(k)fluoranthene

Concen: 3.982 ng

RT: 23.092 min Scan# 3401

Delta R.T. -0.053 min

Lab File: BP019923.D

Acq: 28 Feb 2024 18:53

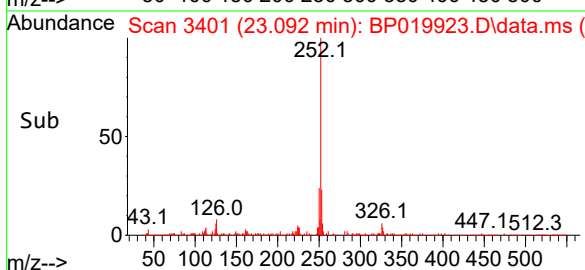
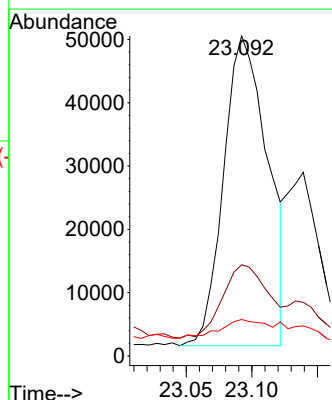
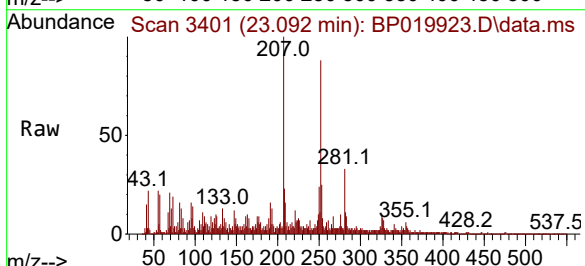
Tgt Ion:252 Resp: 114049

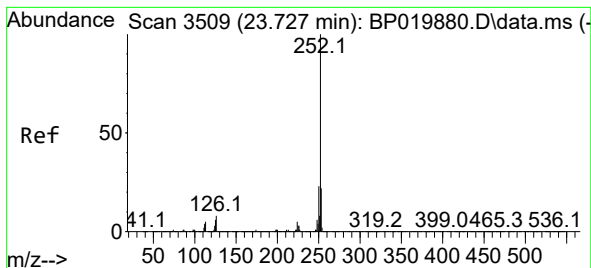
Ion Ratio Lower Upper

252 100

253 28.5 17.3 25.9#

125 11.4 4.6 6.8#





#90

Benzo(a)pyrene

Concen: 3.117 ng

RT: 23.727 min Scan# 3509

Delta R.T. 0.000 min

Lab File: BP019923.D

Acq: 28 Feb 2024 18:53

Instrument :

BNA_P

ClientSampleId :

TR-05-022724

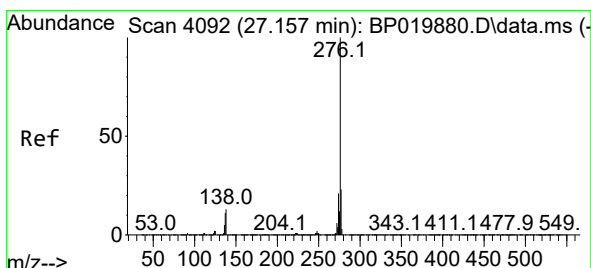
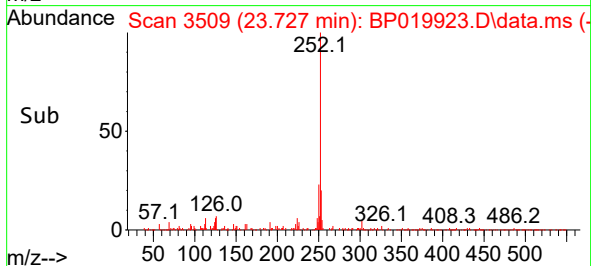
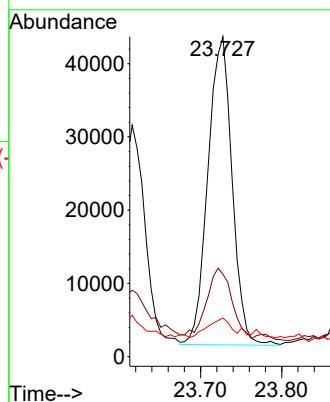
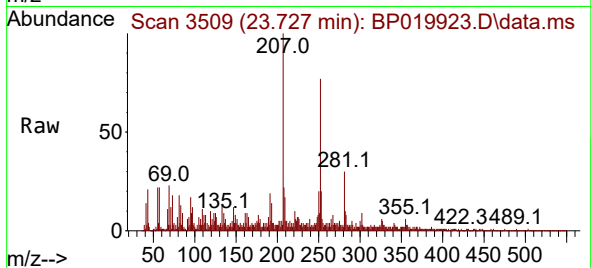
Tgt Ion:252 Resp: 87001

Ion Ratio Lower Upper

252 100

253 25.7 17.5 26.3

125 12.1 5.2 7.8#



#92

Benzo(g,h,i)perylene

Concen: 2.209 ng

RT: 27.157 min Scan# 4092

Delta R.T. 0.000 min

Lab File: BP019923.D

Acq: 28 Feb 2024 18:53

Tgt Ion:276 Resp: 60124

Ion Ratio Lower Upper

276 100

277 26.3 18.5 27.7

138 13.3 10.2 15.2

