

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_P
 ClientSampleId :
 PN-3(SMALL-STOCK-PILE)

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

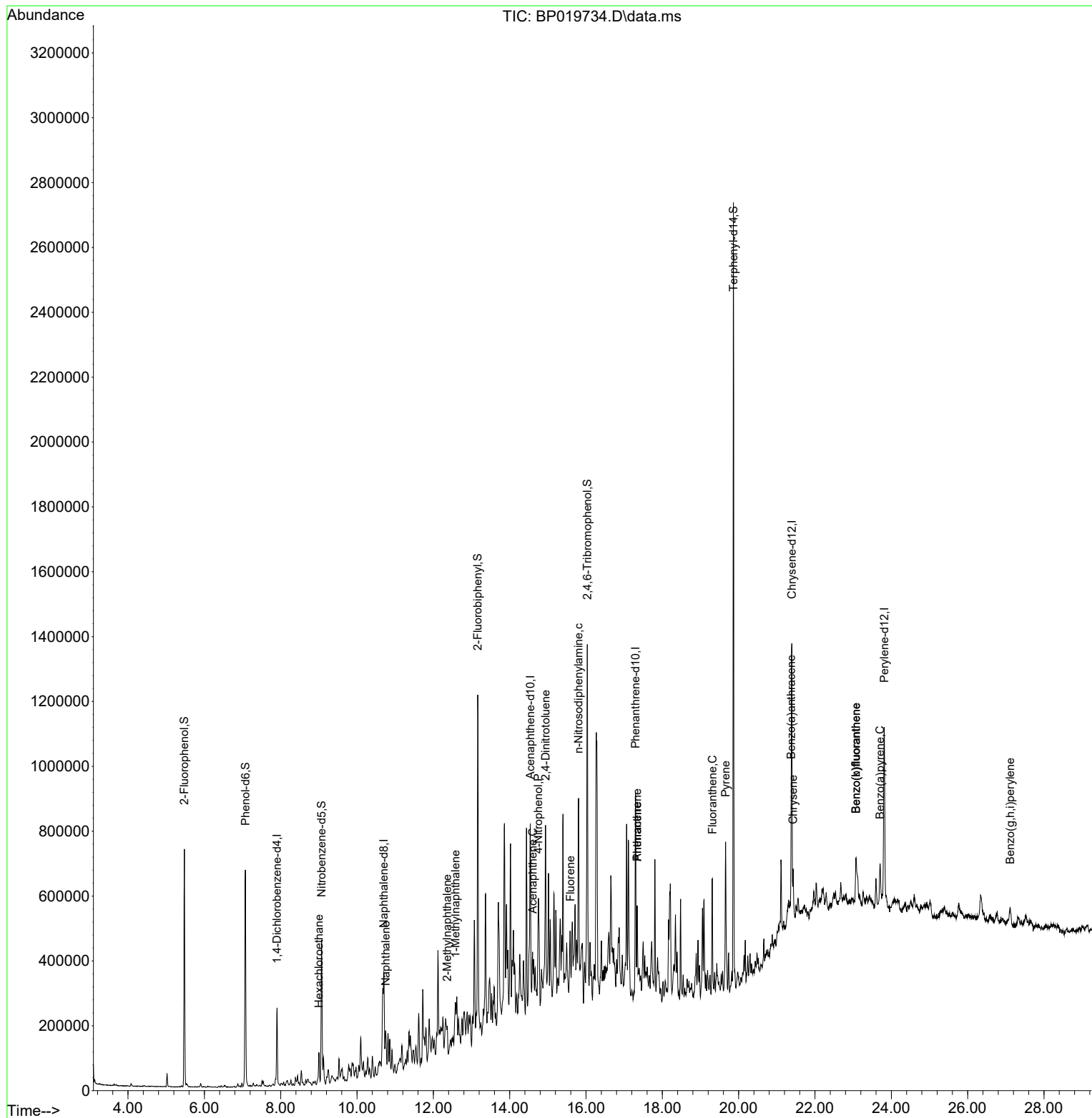
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.904	152	66007	20.000	ng	-0.01
21) Naphthalene-d8	10.704	136	232568	20.000	ng	-0.01
39) Acenaphthene-d10	14.539	164	151586	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	358586	20.000	ng	0.00
76) Chrysene-d12	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						
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

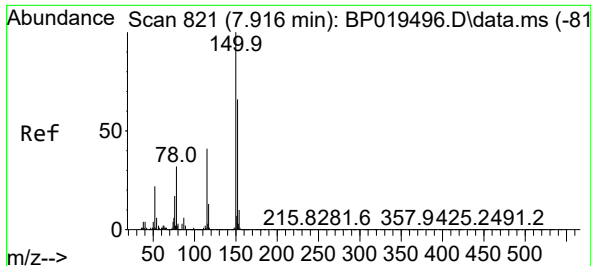
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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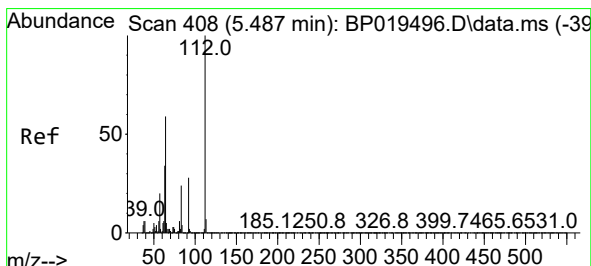
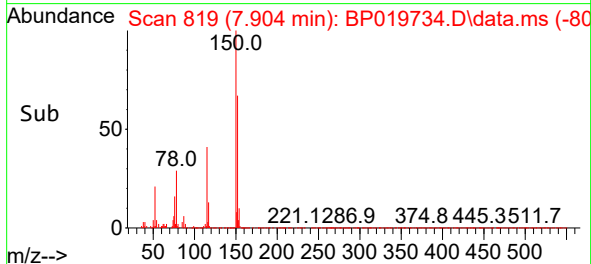
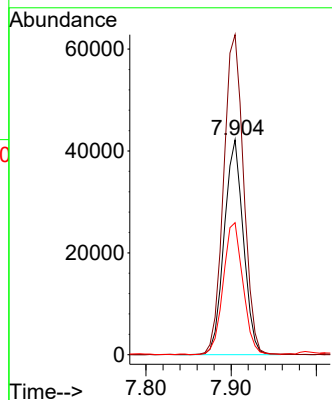
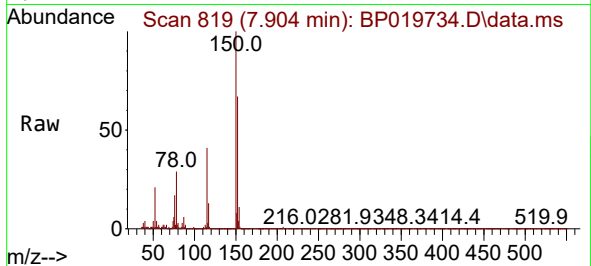




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.904 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

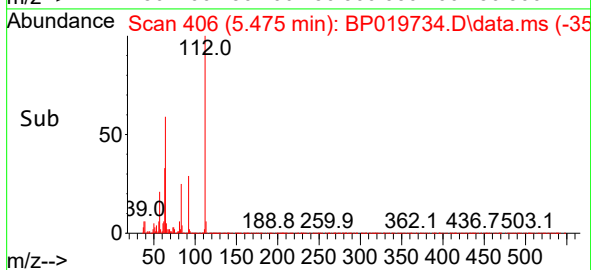
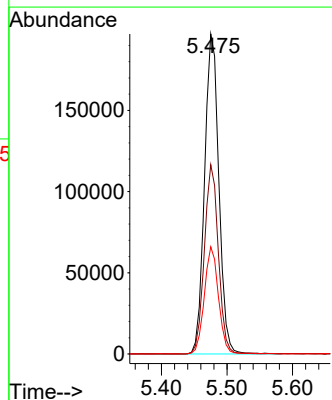
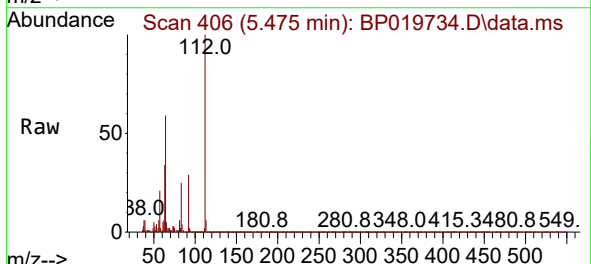
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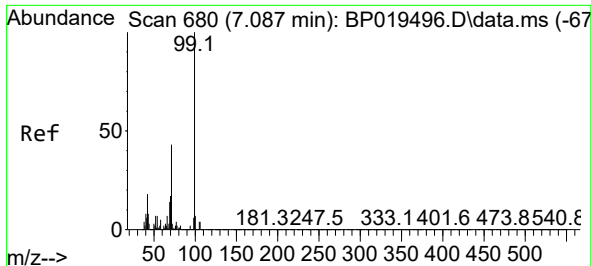
Tgt Ion:152 Resp: 66007
Ion Ratio Lower Upper
152 100
150 148.9 121.8 182.8
115 61.5 49.9 74.9



#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

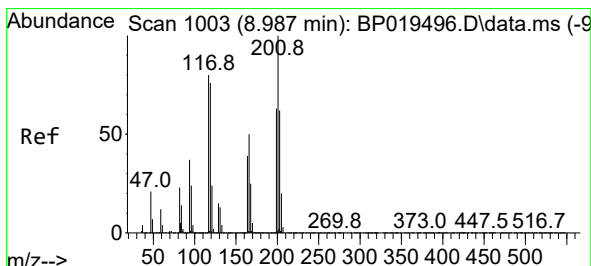
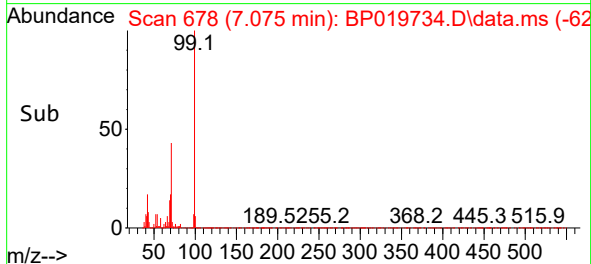
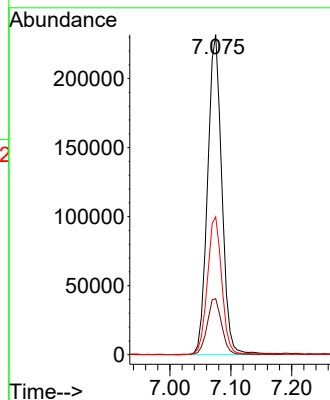
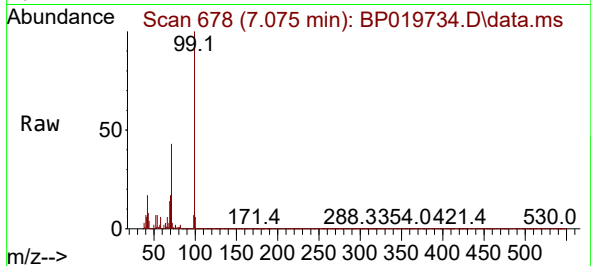




#7
Phenol-d6
Concen: 68.243 ng
RT: 7.075 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

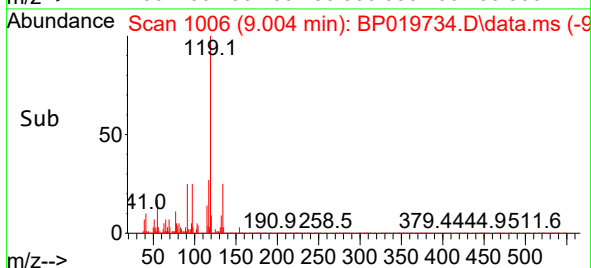
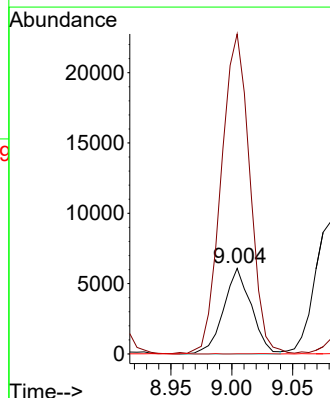
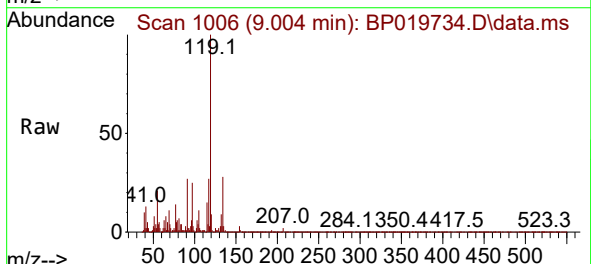
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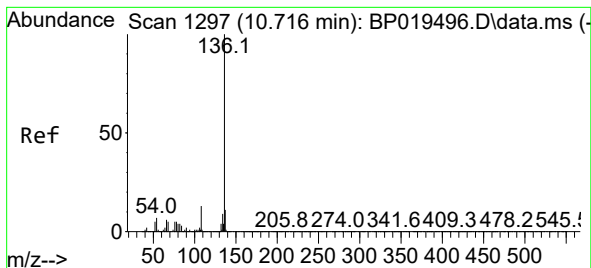
Tgt Ion: 99 Resp: 376803
Ion Ratio Lower Upper
99 100
42 17.5 14.7 22.1
71 43.1 34.8 52.2



#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#

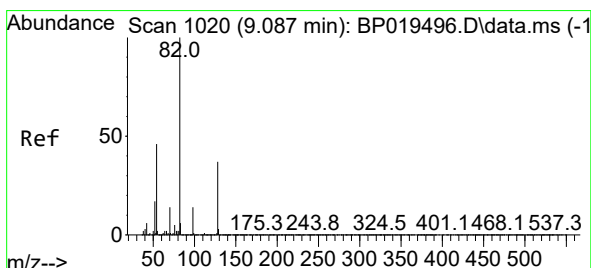
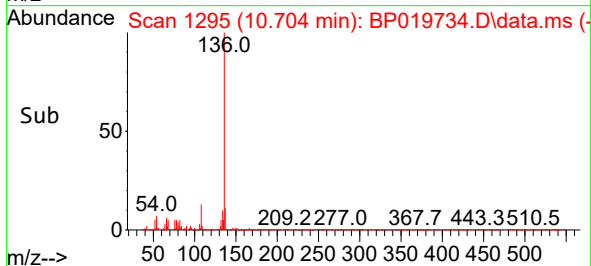
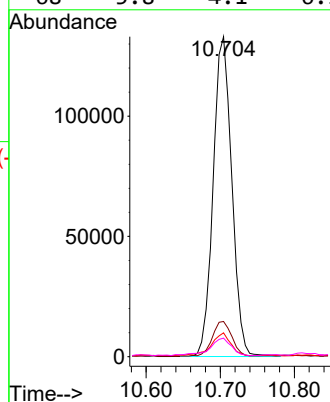
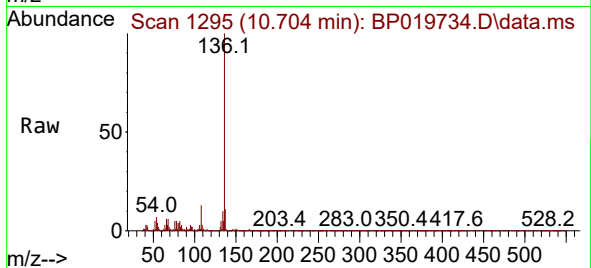




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

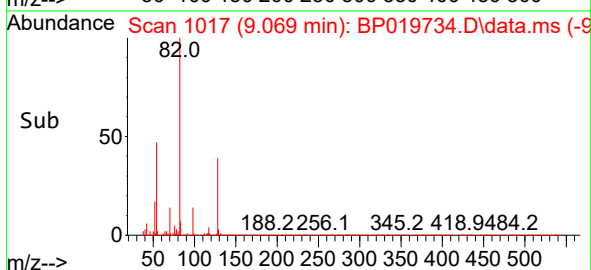
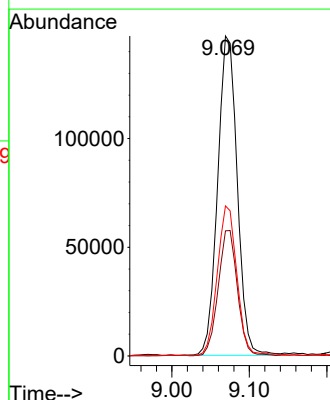
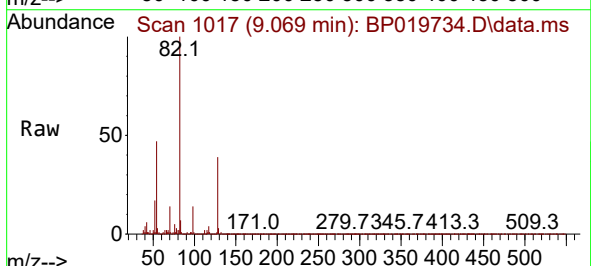
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PN-3(SMALL-STOCK-PILE)

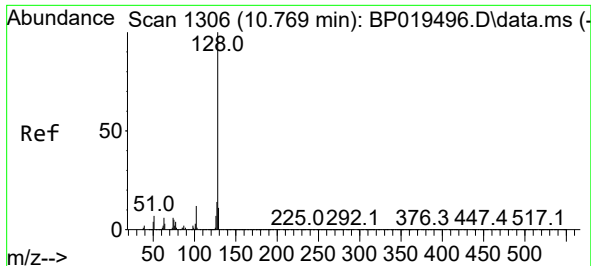
Tgt Ion:	136	Resp:	232568
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.5	5.3	7.9
68	5.8	4.1	6.1



#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

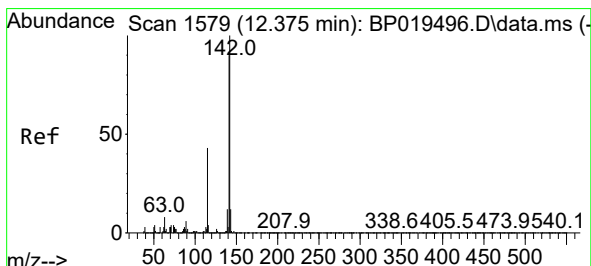
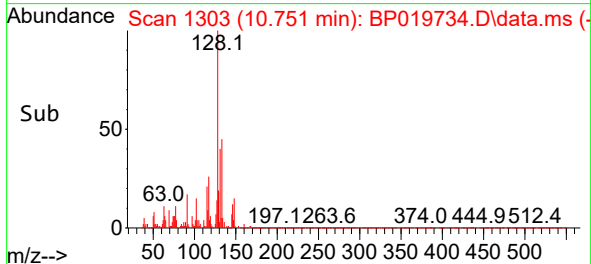
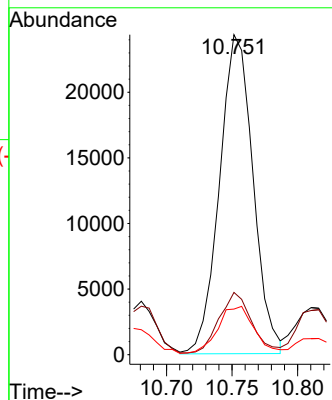
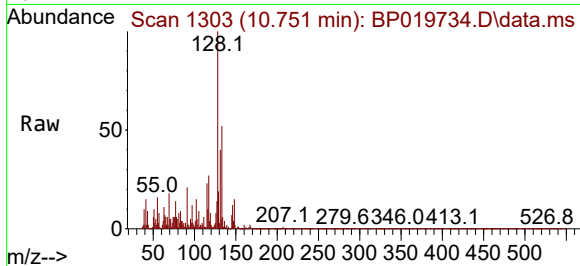




#31
Naphthalene
Concen: 3.393 ng
RT: 10.751 min Scan# 11
Delta R.T. -0.017 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

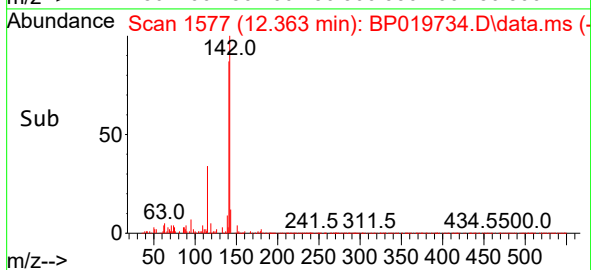
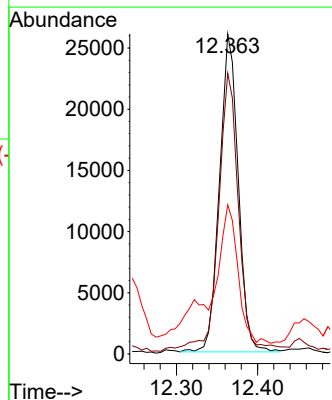
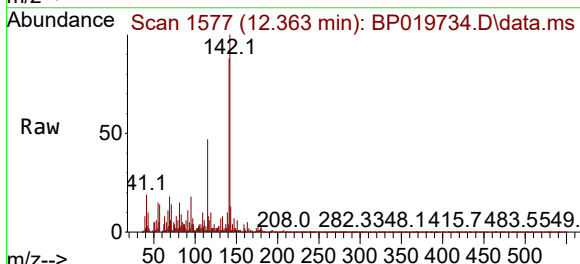
Instrument :
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ClientSampleId :
PN-3(SMALL-STOCK-PILE)

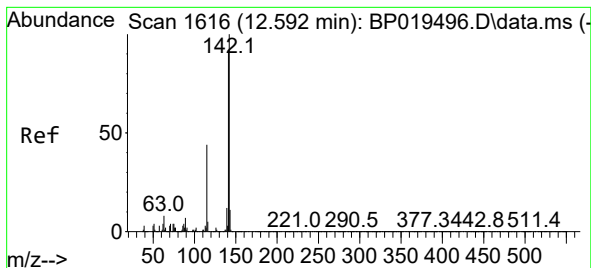
Tgt Ion:128 Resp: 43276
Ion Ratio Lower Upper
128 100
129 19.5 8.6 13.0#
127 14.2 10.8 16.2



#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_P

ClientSampleId :

PN-3(SMALL-STOCK-PILE)

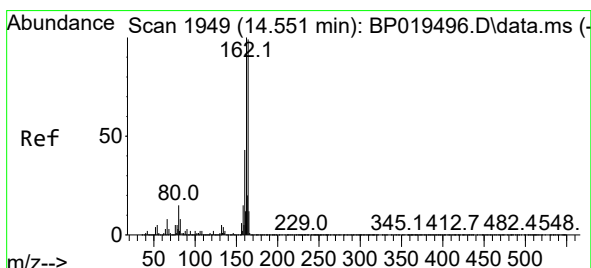
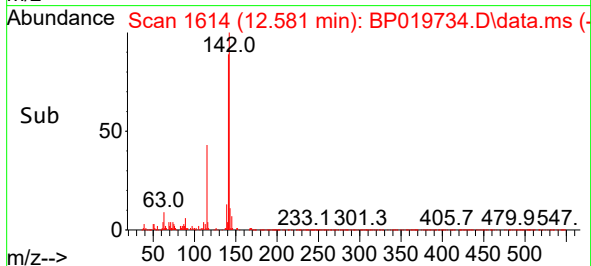
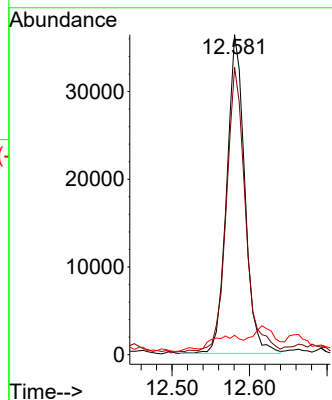
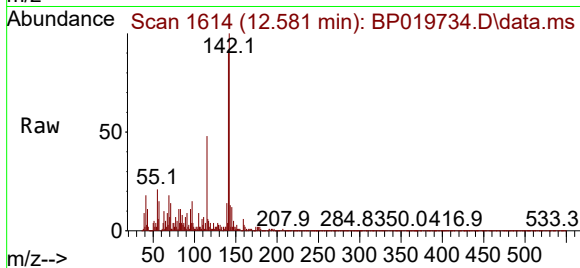
Tgt Ion:142 Resp: 58894

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

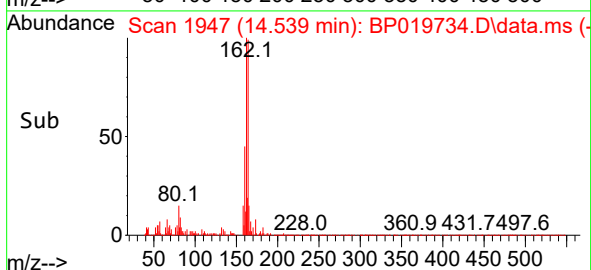
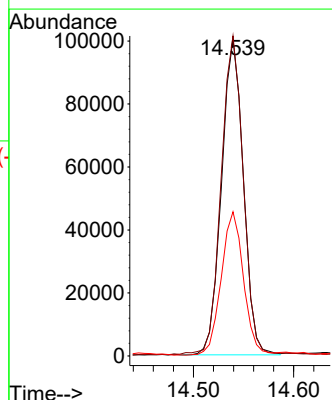
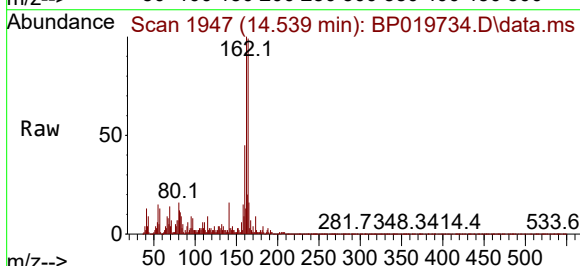
Tgt Ion:164 Resp: 151586

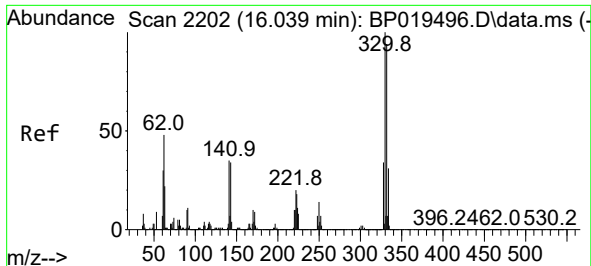
Ion Ratio Lower Upper

164 100

162 100.9 81.2 121.8

160 45.5 35.1 52.7

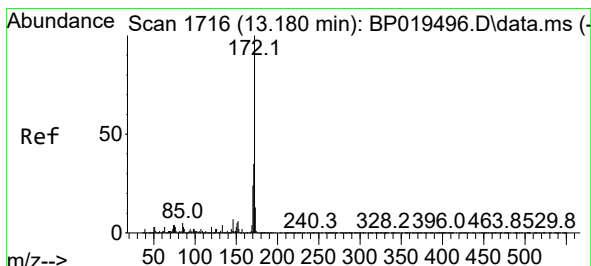
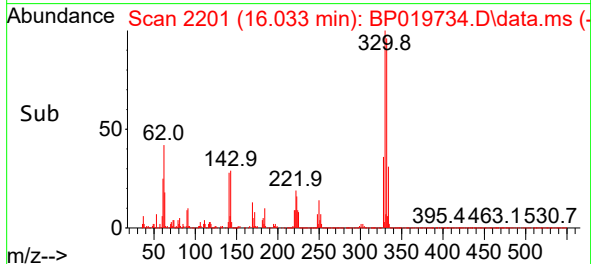
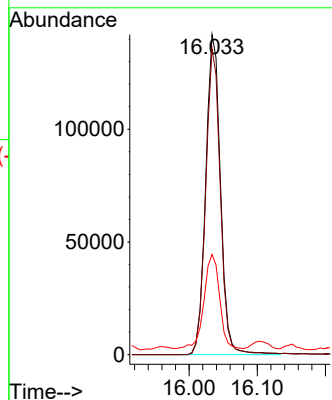
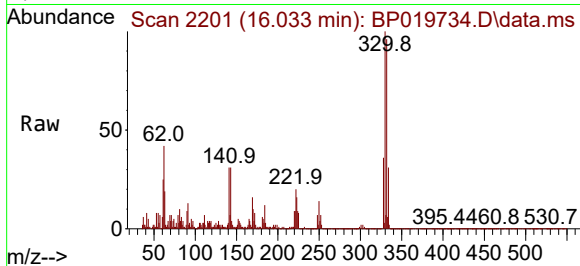




#42
2,4,6-Tribromophenol
Concen: 96.861 ng
RT: 16.033 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

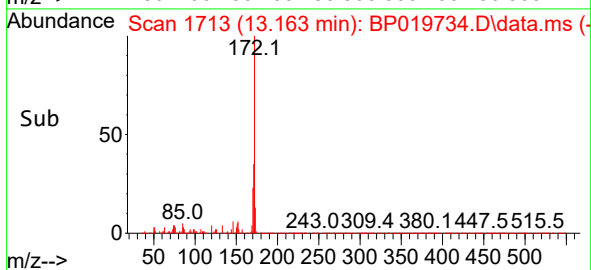
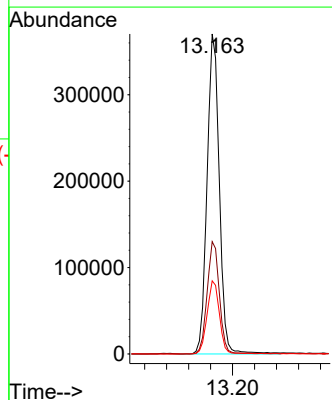
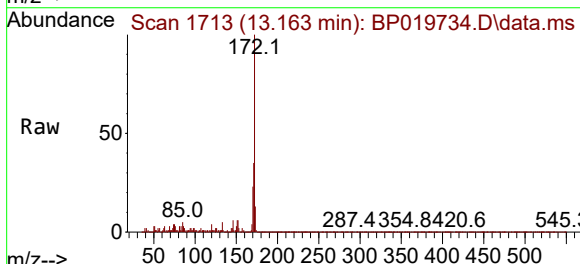
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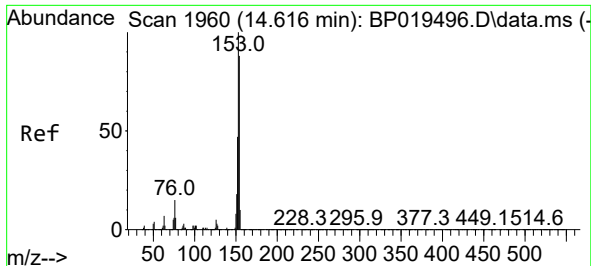
Tgt Ion:330 Resp: 214379
Ion Ratio Lower Upper
330 100
332 94.7 77.2 115.8
141 30.7 27.0 40.4



#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

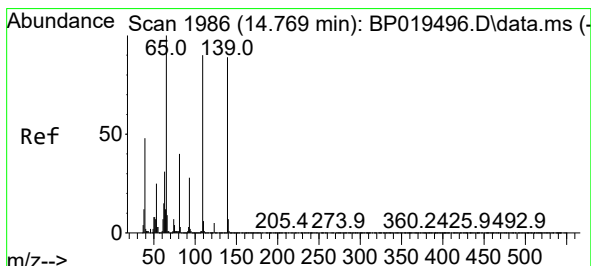
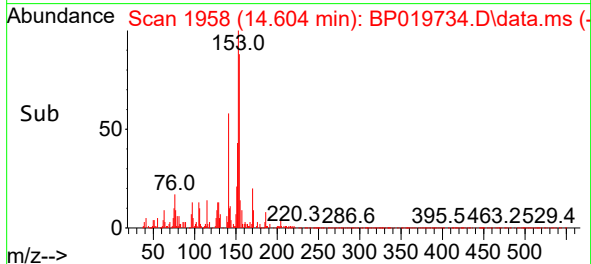
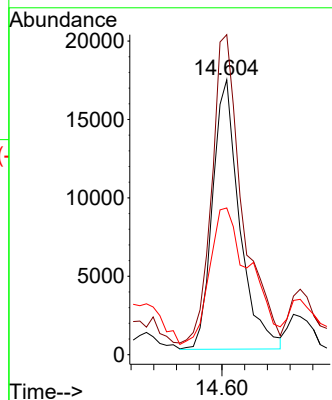
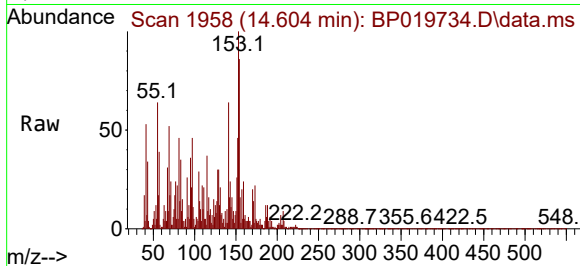




#52
Acenaphthene
Concen: 3.281 ng
RT: 14.604 min Scan# 1958
Delta R.T. -0.012 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

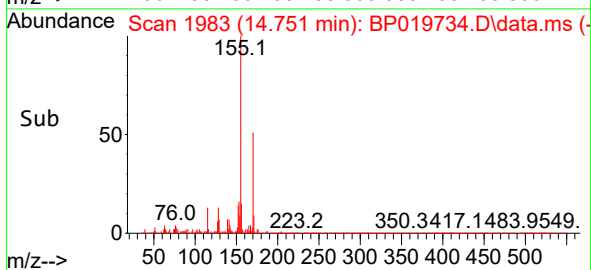
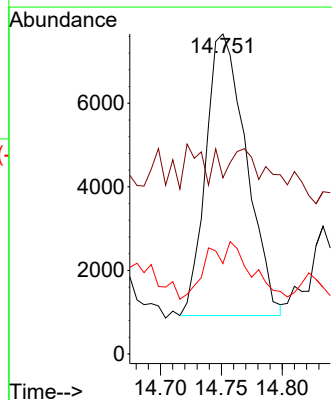
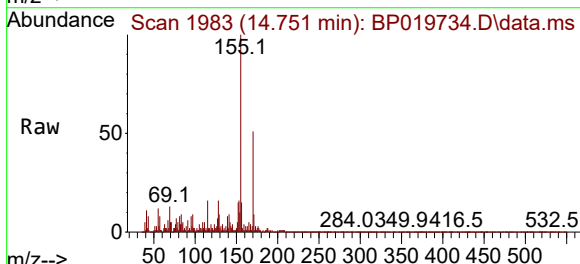
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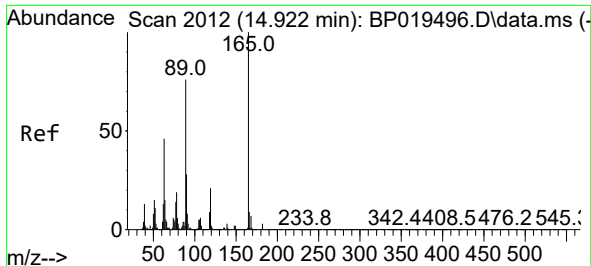
Tgt Ion:154 Resp: 28377
Ion Ratio Lower Upper
154 100
153 116.4 90.5 135.7
152 53.4 42.1 63.1



#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

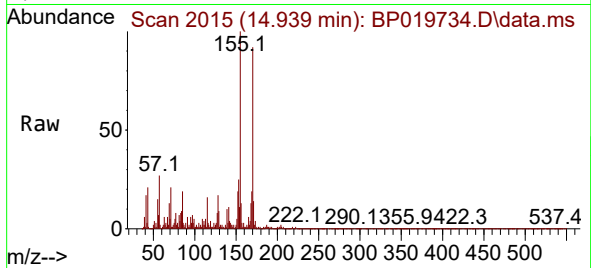
Acq: 15 Feb 2024 21:26

Instrument :

BNA_P

ClientSampleId :

PN-3(SMALL-STOCK-PILE)



Tgt Ion:165 Resp: 12748

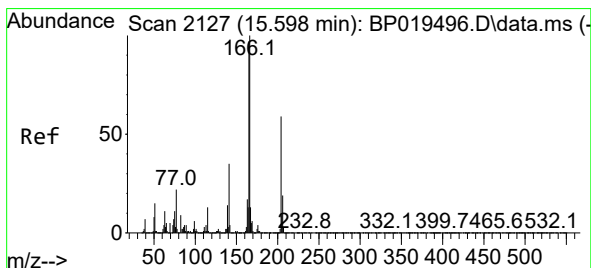
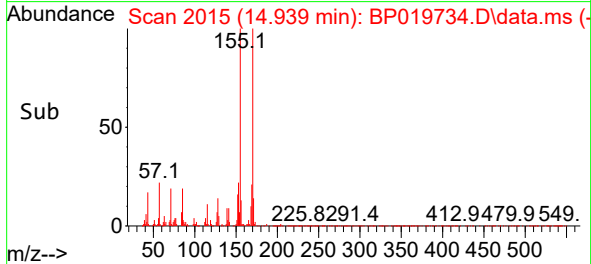
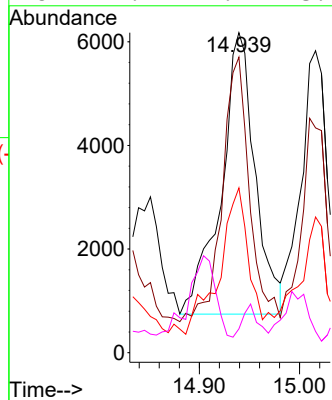
Ion Ratio Lower Upper

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

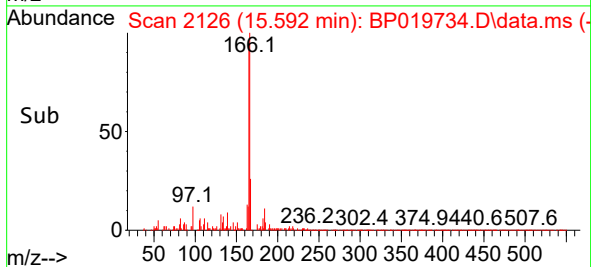
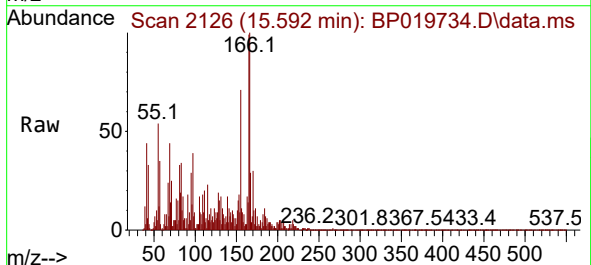
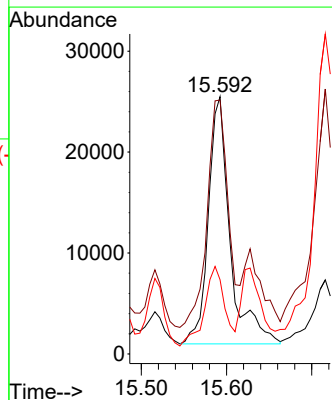
Tgt Ion:166 Resp: 43414

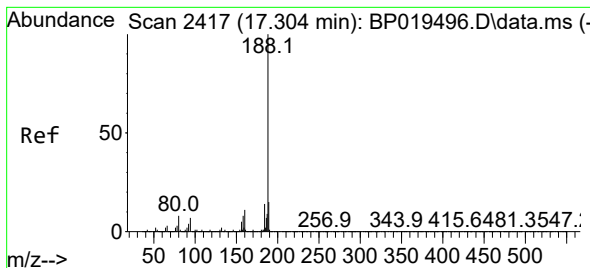
Ion Ratio Lower Upper

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_P

ClientSampleId :

PN-3(SMALL-STOCK-PILE)

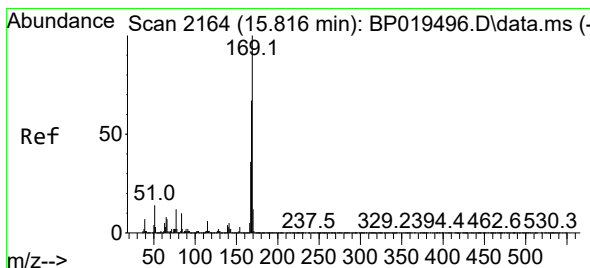
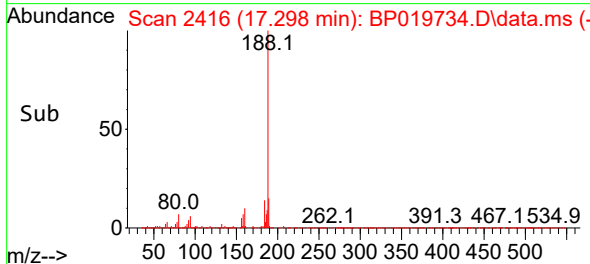
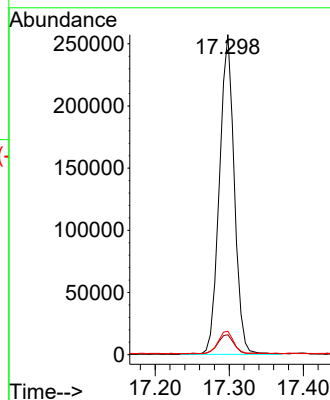
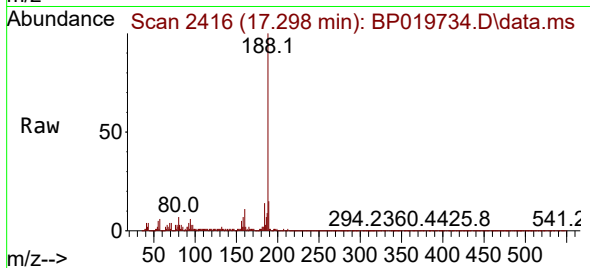
Tgt Ion:188 Resp: 358586

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

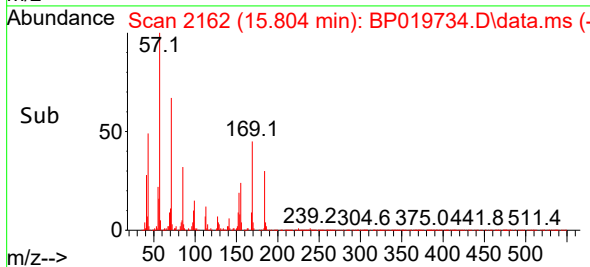
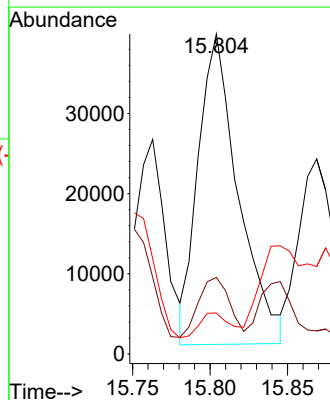
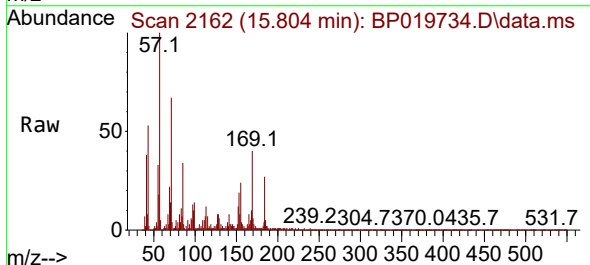
Tgt Ion:169 Resp: 69653

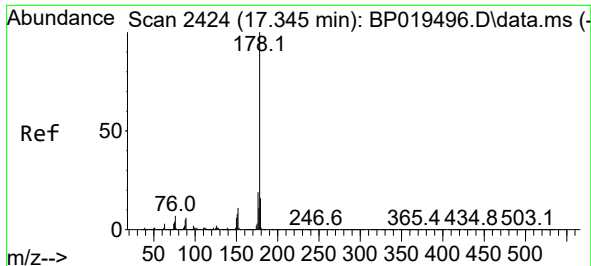
Ion Ratio Lower Upper

169 100

168 23.9 53.4 80.2#

167 12.8 28.9 43.3#

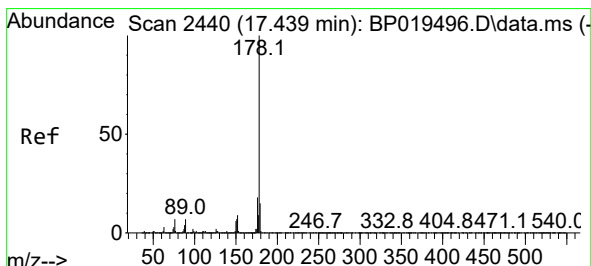
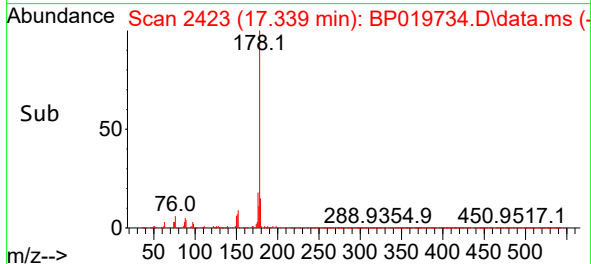
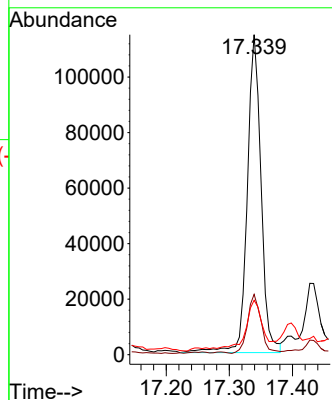
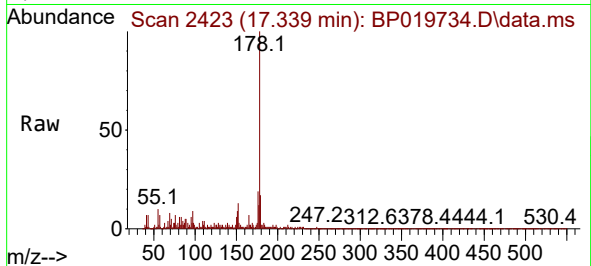




#71
Phenanthrene
Concen: 9.204 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

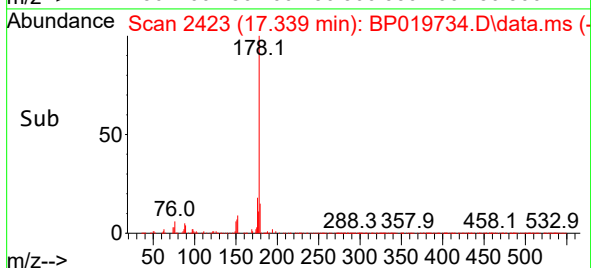
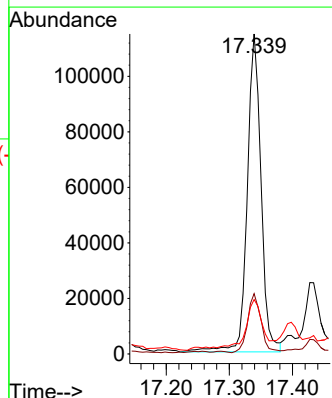
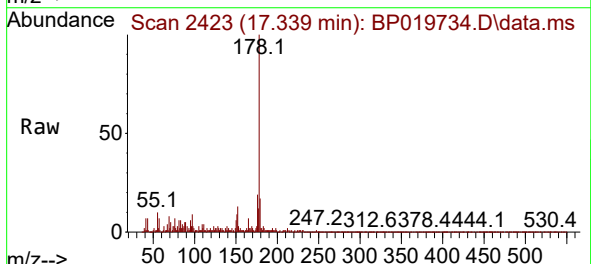
Instrument :
BNA_P
ClientSampleId :
PN-3(SMALL-STOCK-PILE)

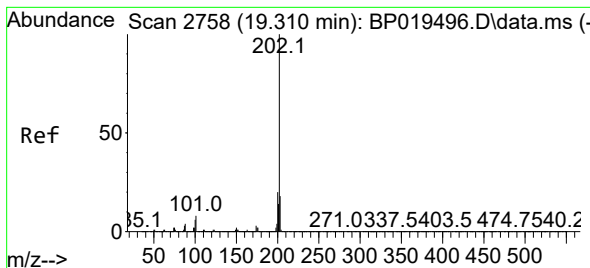
Tgt Ion:178 Resp: 173692
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 17.0 12.6 19.0



#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_P

ClientSampleId :

PN-3(SMALL-STOCK-PILE)

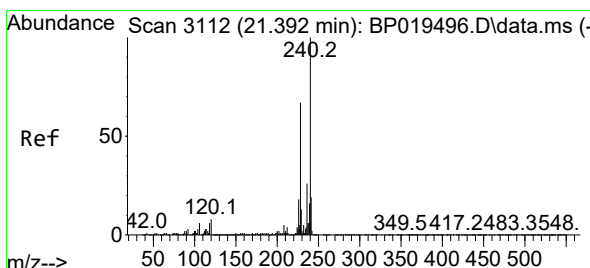
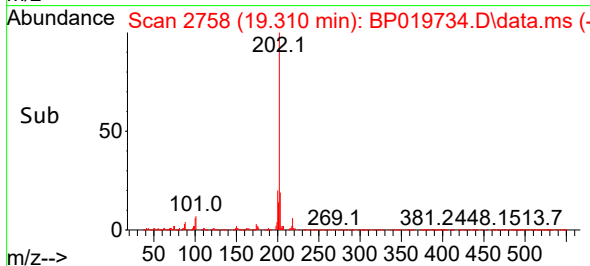
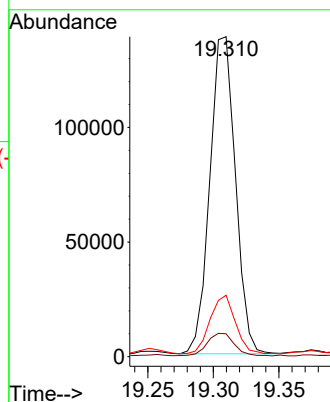
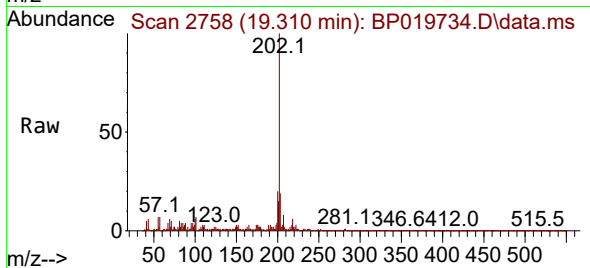
Tgt Ion:202 Resp: 188011

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

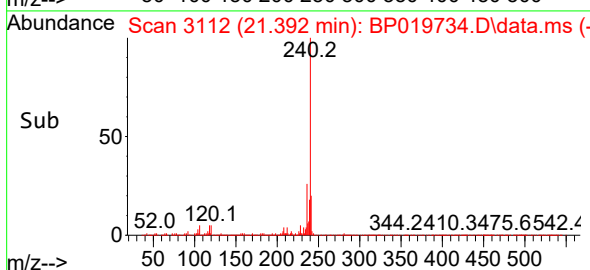
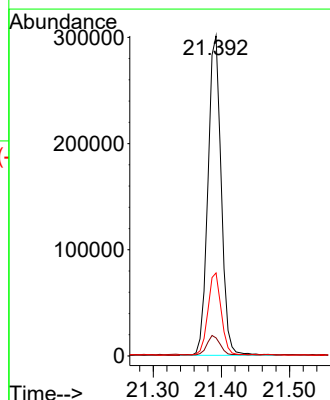
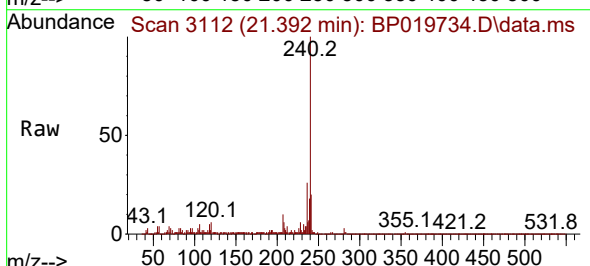
Tgt Ion:240 Resp: 407310

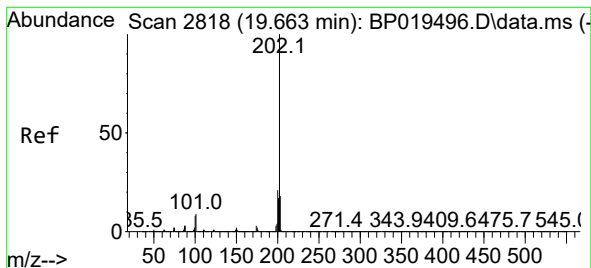
Ion Ratio Lower Upper

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 :

BNP_P

ClientSampleId :

PN-3(SMALL-STOCK-PILE)

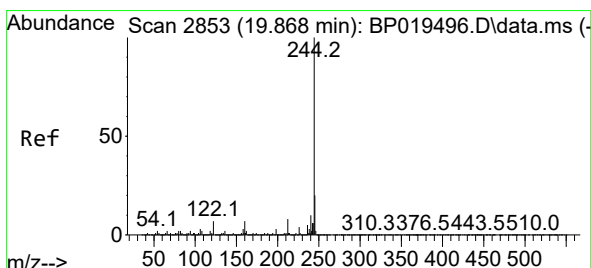
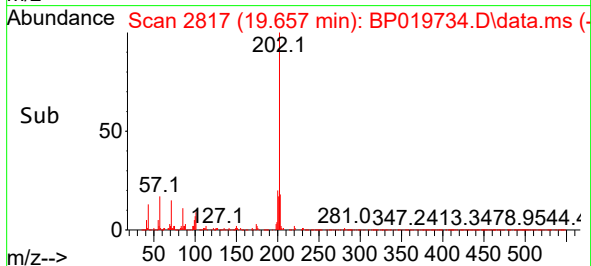
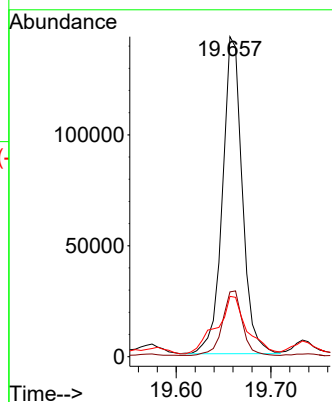
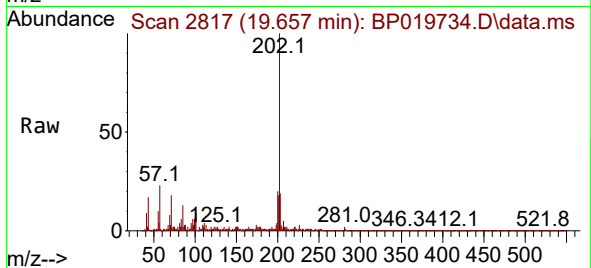
Tgt Ion:202 Resp: 208015

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

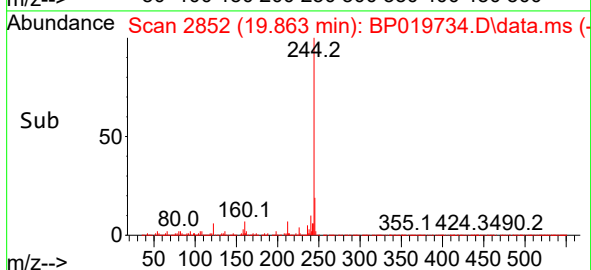
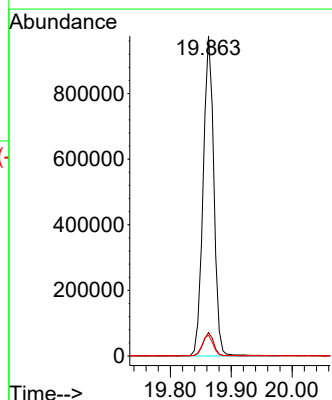
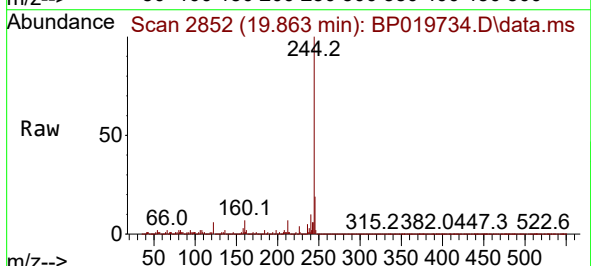
Tgt Ion:244 Resp: 1188416

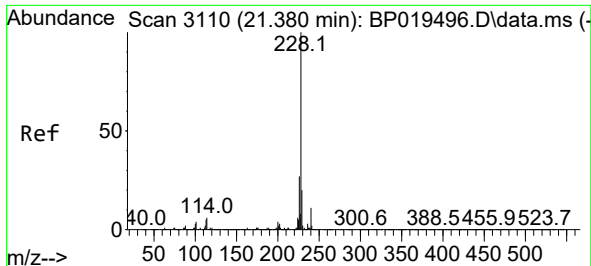
Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 6.5 5.9 8.9

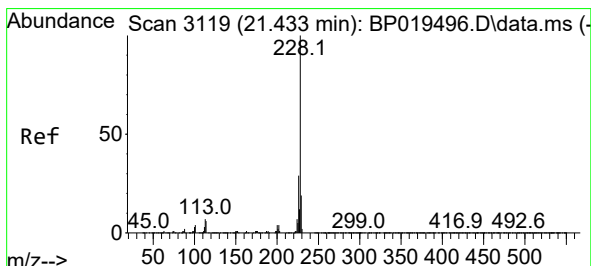
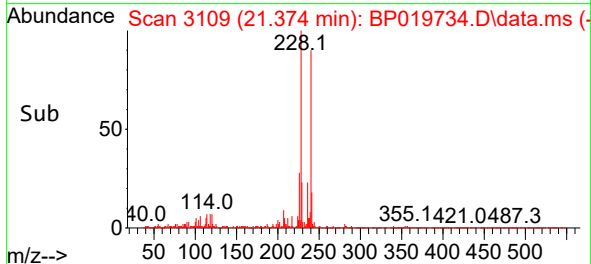
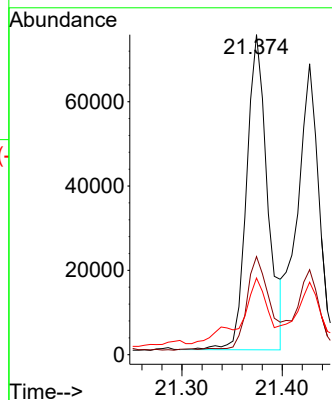
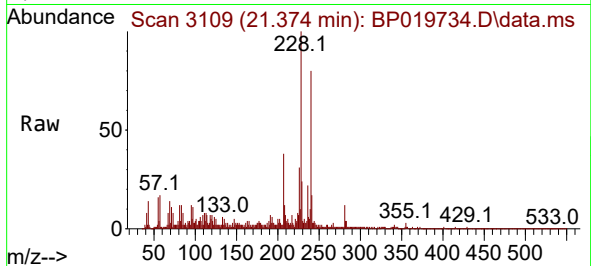




#81
Benzo(a)anthracene
Concen: 3.792 ng
RT: 21.374 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

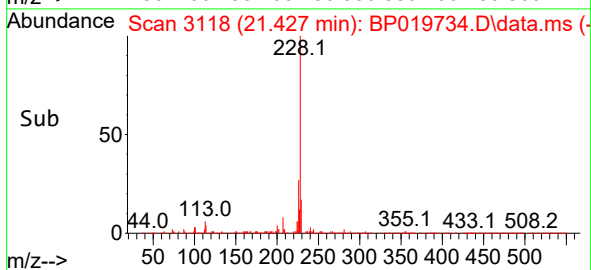
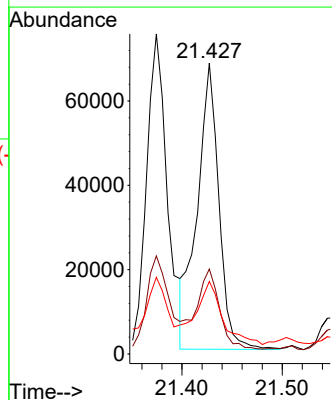
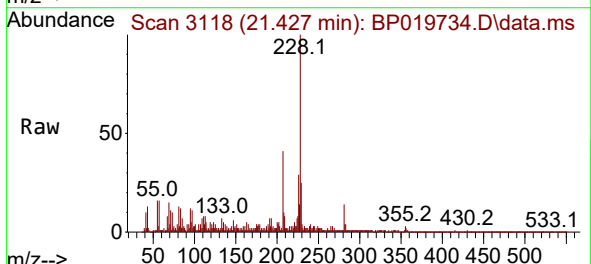
Instrument :
BNA_P
ClientSampleId :
PN-3(SMALL-STOCK-PILE)

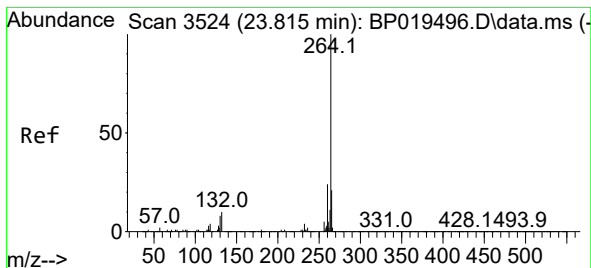
Tgt Ion:228 Resp: 108716
Ion Ratio Lower Upper
228 100
226 30.6 21.7 32.5
229 23.9 15.6 23.4#



#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_P

ClientSampleId :

PN-3(SMALL-STOCK-PILE)

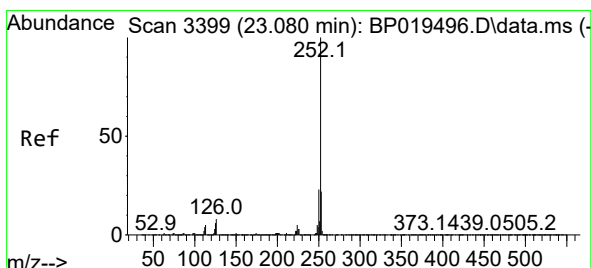
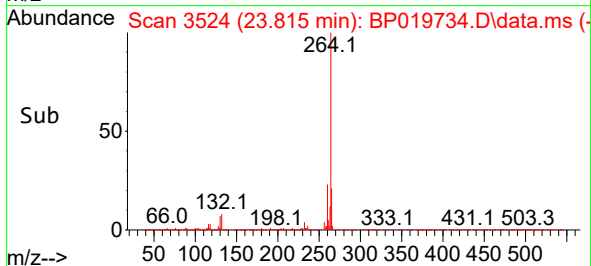
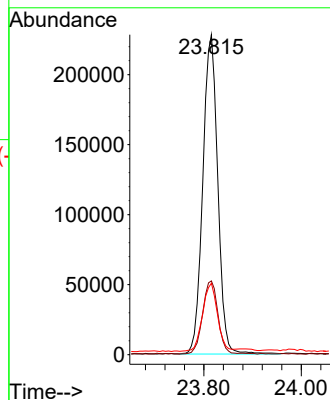
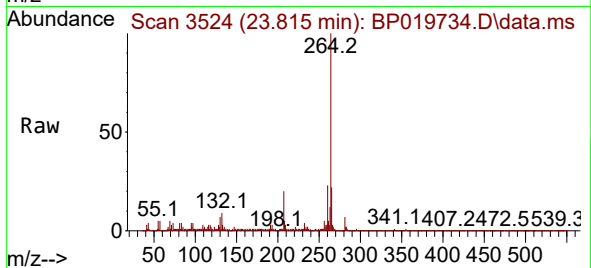
Tgt Ion:264 Resp: 486049

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

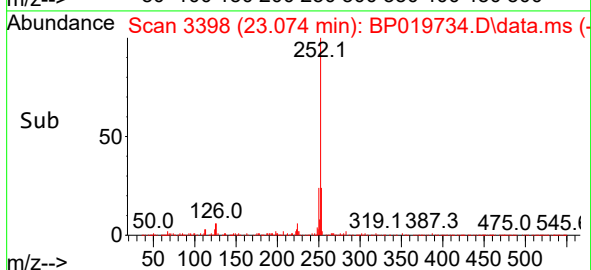
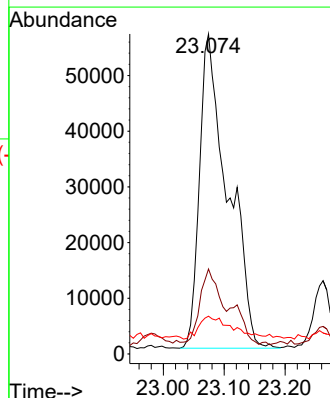
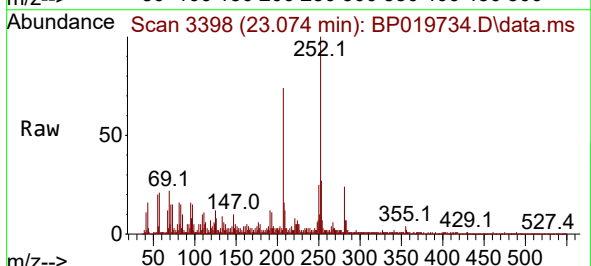
Tgt Ion:252 Resp: 182368

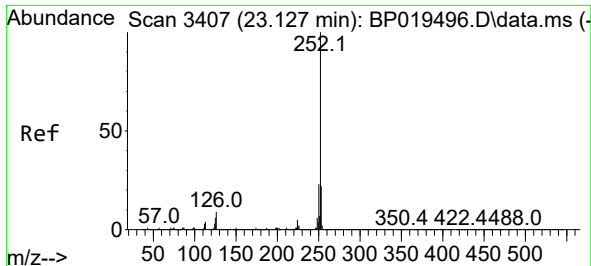
Ion Ratio Lower Upper

252 100

253 26.5 17.3 25.9#

125 11.8 4.9 7.3#

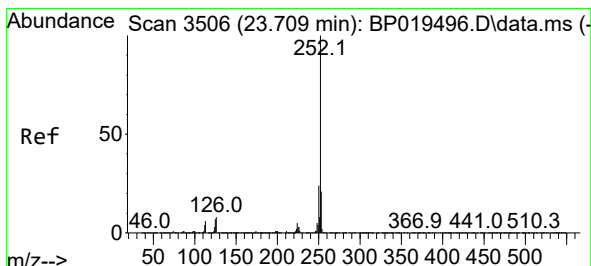
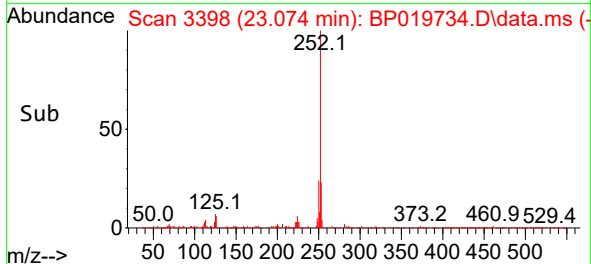
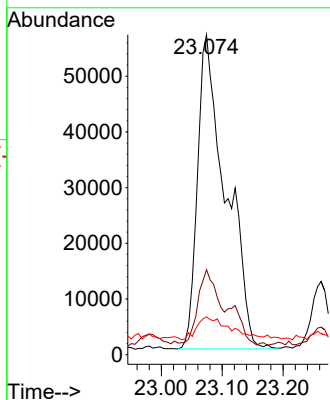
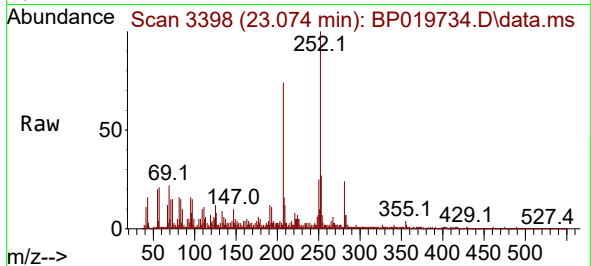




#89
Benzo(k)fluoranthene
Concen: 6.232 ng
RT: 23.074 min Scan# 31
Delta R.T. -0.053 min
Lab File: BP019734.D
Acq: 15 Feb 2024 21:26

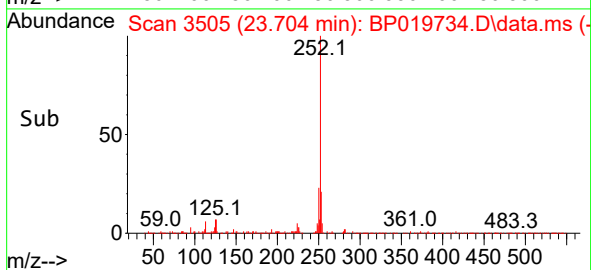
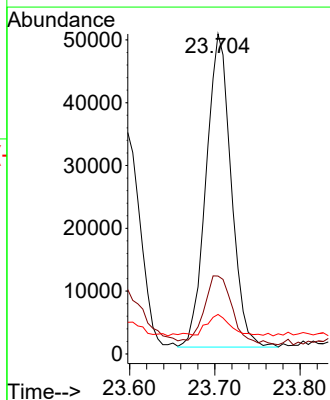
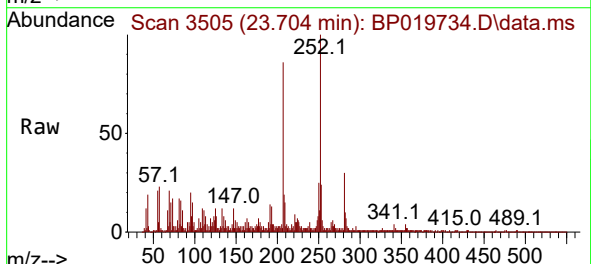
Instrument :
BNA_P
ClientSampleId :
PN-3(SMALL-STOCK-PILE)

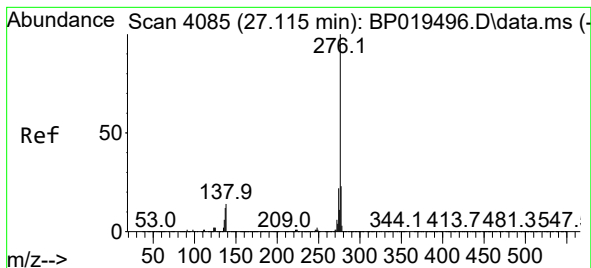
Tgt Ion:252 Resp: 182368
Ion Ratio Lower Upper
252 100
253 26.5 17.1 25.7#
125 11.8 5.0 7.6#



#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

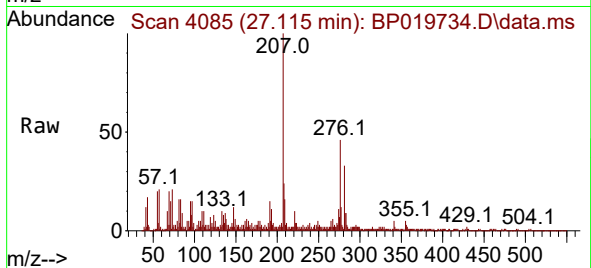
Acq: 15 Feb 2024 21:26

Instrument :

BNA_P

ClientSampleId :

PN-3(SMALL-STOCK-PILE)



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

