

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033022\
 Data File : BP009624.D
 Acq On : 30 Mar 2022 18:13
 Operator : CG/JU
 Sample : N2155-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 22L076-E

Quant Time: Mar 31 04:40:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 31 04:36:51 2022
 Response via : Initial Calibration

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

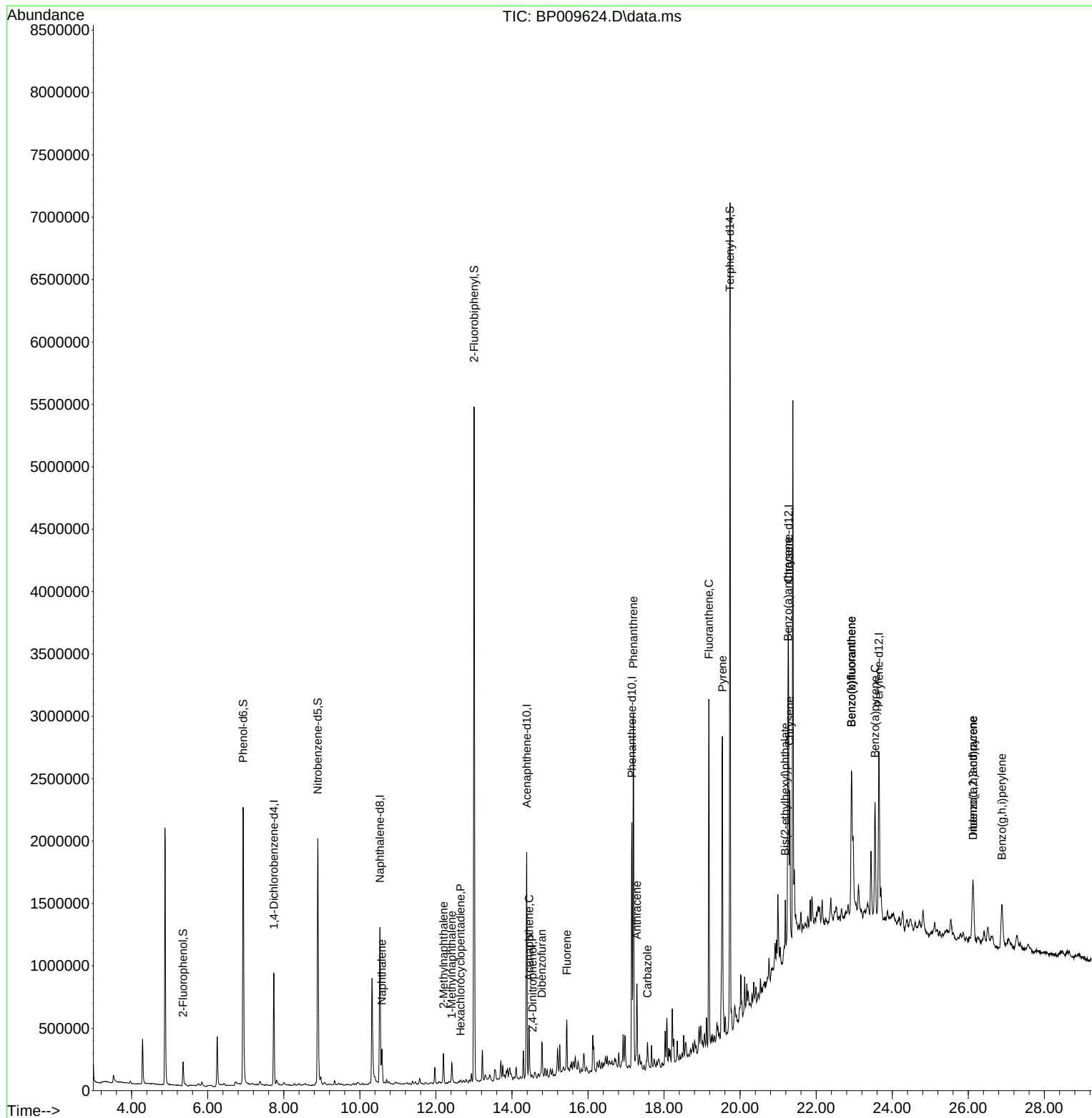
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	281929	20.000	ng	0.00
21) Naphthalene-d8	10.528	136	1125910	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	675712	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	1268084	20.000	ng	0.00
76) Chrysene-d12	21.269	240	1015863	20.000	ng	# 0.00
86) Perylene-d12	23.651	264	1139670	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	118538	7.341	ng	0.00
7) Phenol-d6	6.928	99	1572554	72.012	ng	0.00
23) Nitrobenzene-d5	8.893	82	1337104	63.108	ng	0.00
42) 2,4,6-Tribromophenol	15.893	330	16270	1.459	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	3100364	63.607	ng	0.00
79) Terphenyl-d14	19.733	244	3523916	62.263	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.899	77	3779	Below Cal	#	75
31) Naphthalene	10.581	128	237316	4.092	ng	99
37) 2-Methylnaphthalene	12.199	142	129506	3.183	ng	98
38) 1-Methylnaphthalene	12.416	142	85668	2.161	ng	99
41) Hexachlorocyclopentadiene	12.646	237	45	7.293	ng	85
52) Acenaphthene	14.451	154	157674	4.308	ng	98
54) 2,4-Dinitrophenol	14.540	184	174	4.557	ng	# 1
55) Dibenzofuran	14.787	168	168218	2.736	ng	96
58) Fluorene	15.440	166	185059	3.827	ng	97
71) Phenanthrene	17.192	178	1853443	27.304	ng	99
72) Anthracene	17.287	178	461388	6.884	ng	99
73) Carbazole	17.563	167	153304	2.339	ng	97
75) Fluoranthene	19.181	202	1789743	21.778	ng	97
78) Pyrene	19.533	202	1573733	23.509	ng	99
81) Benzo(a)anthracene	21.257	228	854861	12.809	ng	99
83) Chrysene	21.304	228	728414	11.526	ng	97
84) Bis(2-ethylhexyl)phtha...	21.186	149	165583	4.175	ng	# 98
87) Indeno(1,2,3-cd)pyrene	26.121	276	503195	5.820	ng	# 91
88) Benzo(b)fluoranthene	22.927	252	992071	14.582	ng	97
89) Benzo(k)fluoranthene	22.927	252	992071	14.893	ng	96
90) Benzo(a)pyrene	23.545	252	746150	12.818	ng	97
91) Dibenzo(a,h)anthracene	26.127	278	144958	2.012	ng	91
92) Benzo(g,h,i)perylene	26.880	276	499277	7.043	ng	# 93

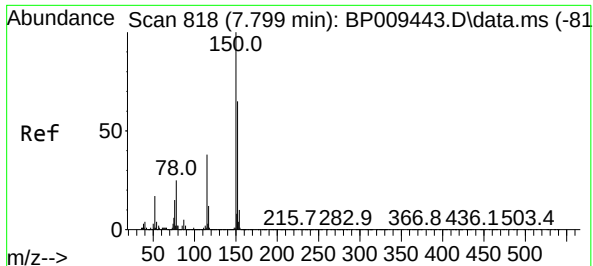
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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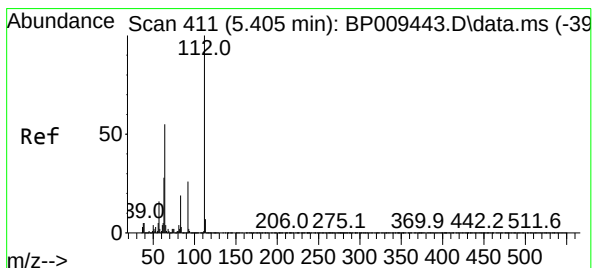
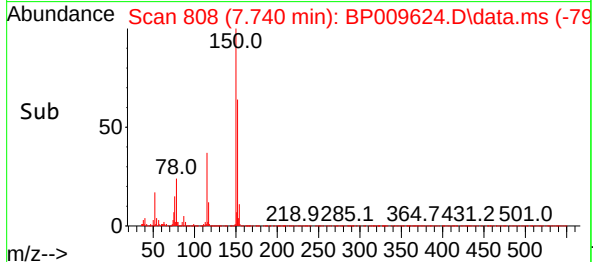
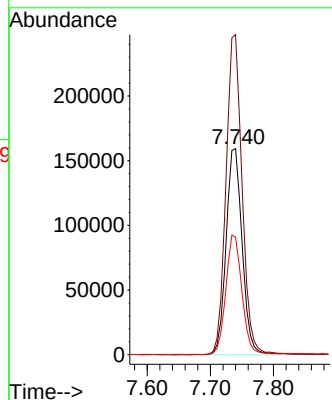
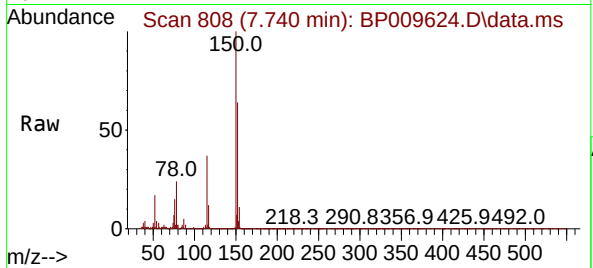




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.740 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BP009624.D
 Acq: 30 Mar 2022 18:13

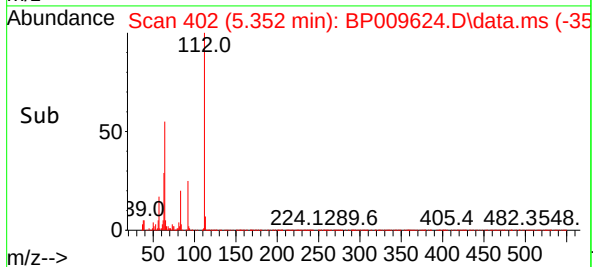
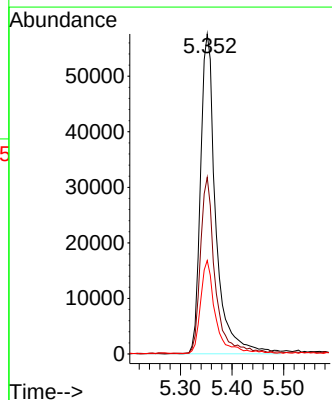
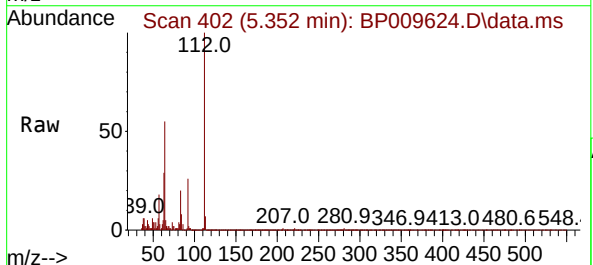
Instrument :
 BNA_P
 ClientSampleId :
 22L076-E

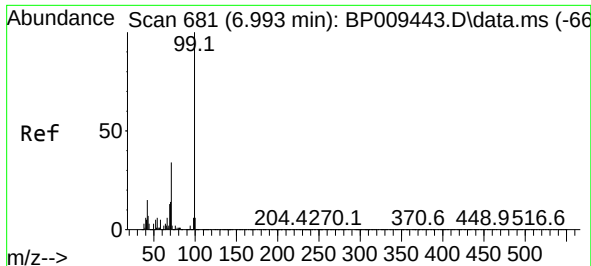
Tgt Ion:152 Resp: 281929
 Ion Ratio Lower Upper
 152 100
 150 155.3 124.5 186.7
 115 57.0 48.2 72.4



#5
 2-Fluorophenol
 Concen: 7.341 ng
 RT: 5.352 min Scan# 402
 Delta R.T. 0.006 min
 Lab File: BP009624.D
 Acq: 30 Mar 2022 18:13

Tgt Ion:112 Resp: 118538
 Ion Ratio Lower Upper
 112 100
 64 55.2 45.0 67.4
 63 29.2 23.0 34.6

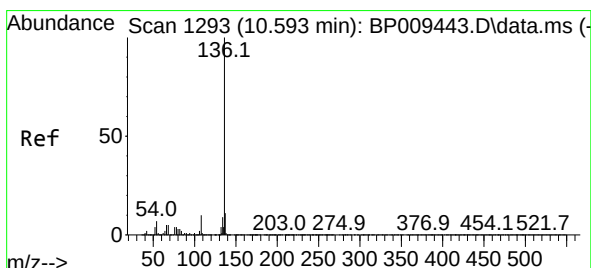
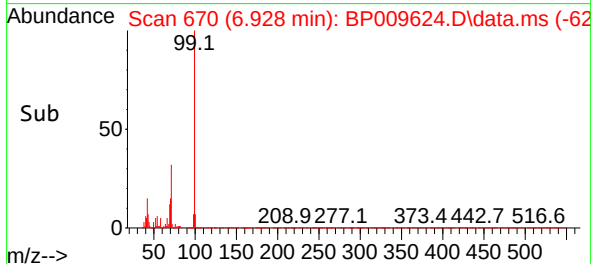
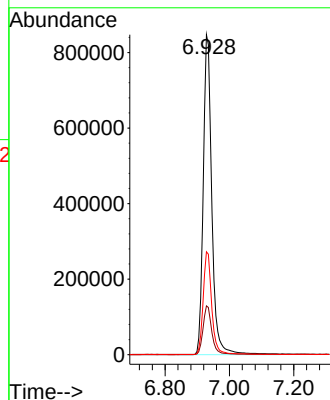
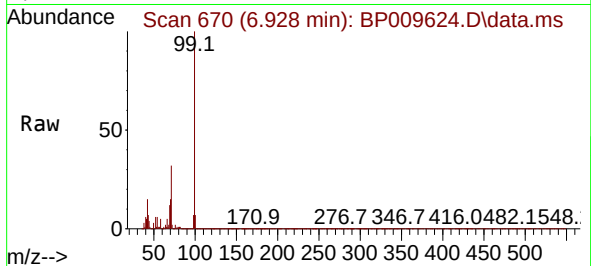




#7
Phenol-d6
Concen: 72.012 ng
RT: 6.928 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

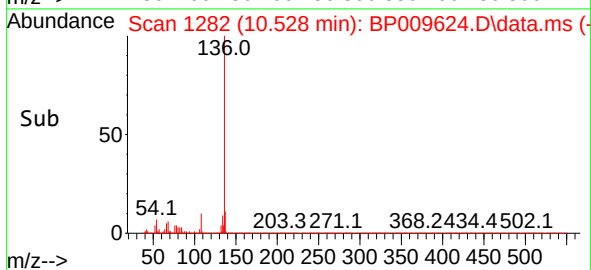
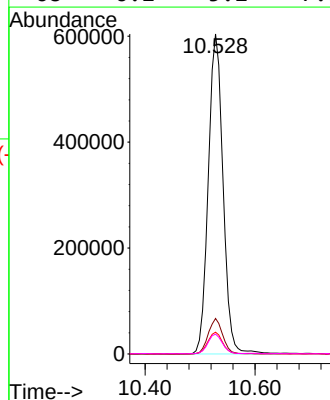
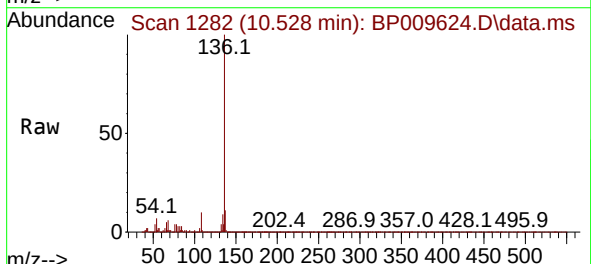
Instrument :
BNA_P
ClientSampleId :
22L076-E

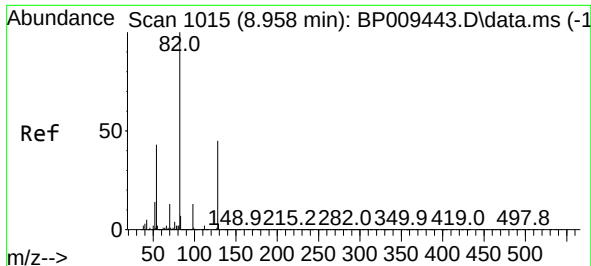
Tgt Ion: 99 Resp: 1572554
Ion Ratio Lower Upper
99 100
42 15.3 12.8 19.2
71 32.2 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.528 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Tgt Ion: 136 Resp: 1125910
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 6.8 5.8 8.8
68 6.2 5.2 7.8

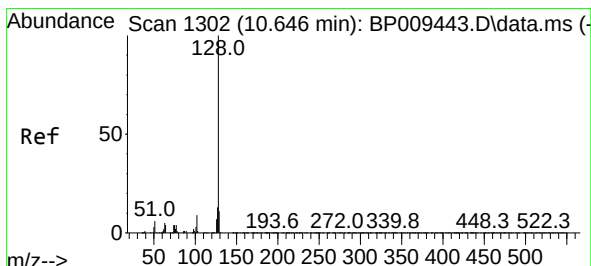
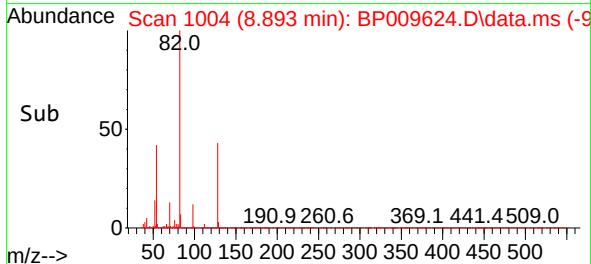
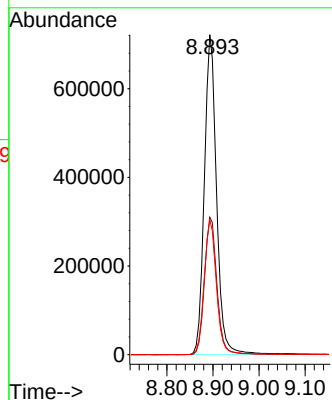
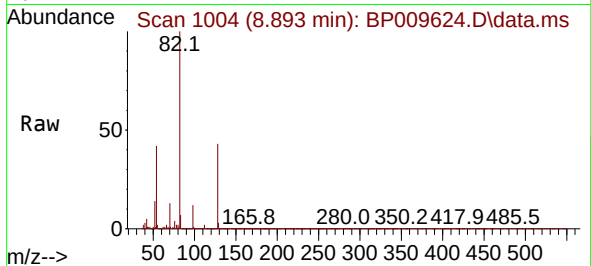




#23
Nitrobenzene-d5
Concen: 63.108 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

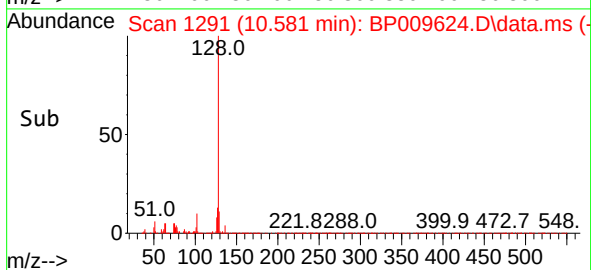
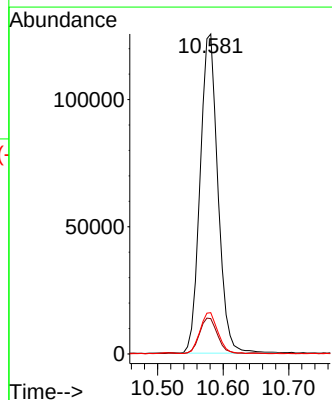
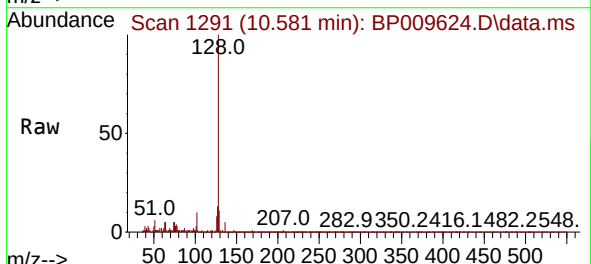
Instrument :
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ClientSampleId :
22L076-E

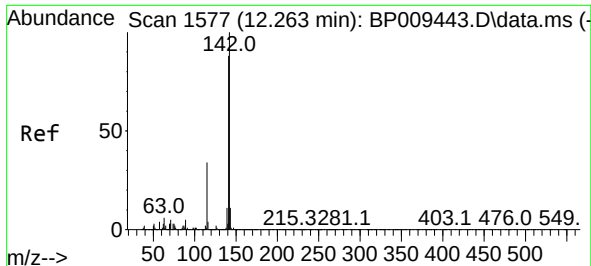
Tgt Ion: 82 Resp: 1337104
Ion Ratio Lower Upper
82 100
128 43.0 34.2 51.4
54 42.3 34.7 52.1



#31
Naphthalene
Concen: 4.092 ng
RT: 10.581 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Tgt Ion:128 Resp: 237316
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.9 10.5 15.7

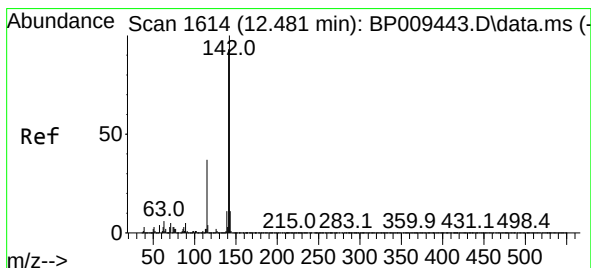
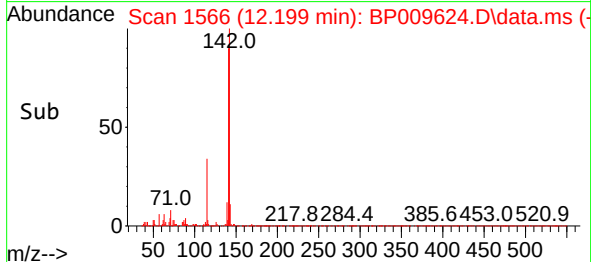
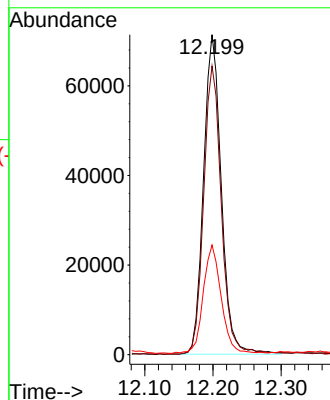
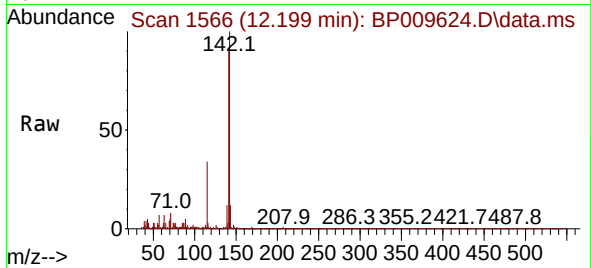




#37
2-Methylnaphthalene
Concen: 3.183 ng
RT: 12.199 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

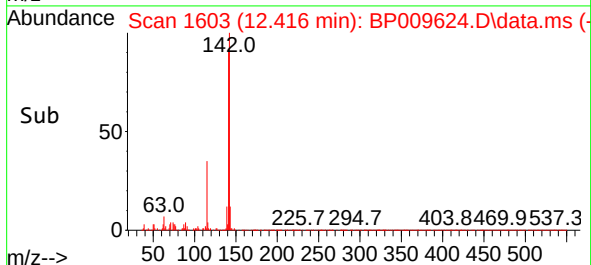
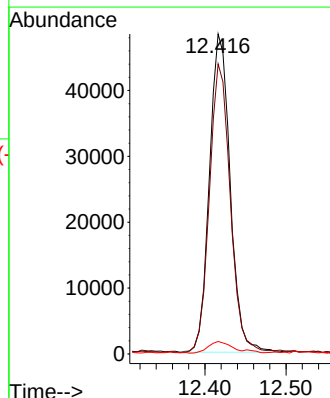
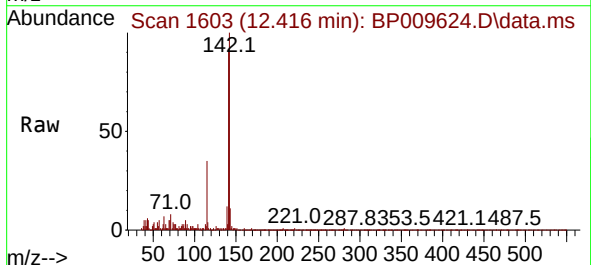
Instrument :
BNA_P
ClientSampleId :
22L076-E

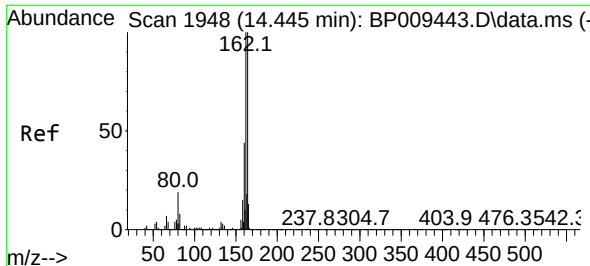
Tgt Ion:142 Resp: 129506
Ion Ratio Lower Upper
142 100
141 90.2 70.2 105.4
115 34.2 27.4 41.2



#38
1-Methylnaphthalene
Concen: 2.161 ng
RT: 12.416 min Scan# 1603
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Tgt Ion:142 Resp: 85668
Ion Ratio Lower Upper
142 100
141 90.6 73.5 110.3
116 3.9 3.3 4.9

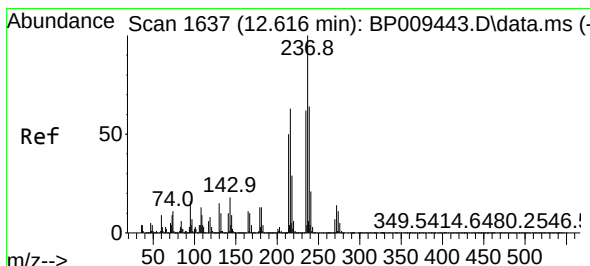
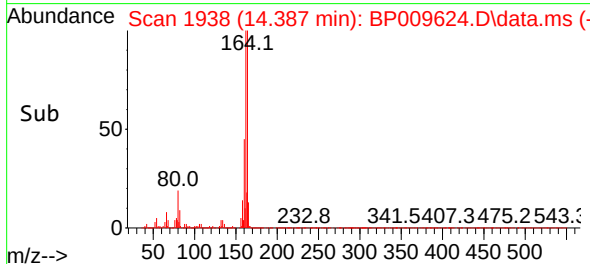
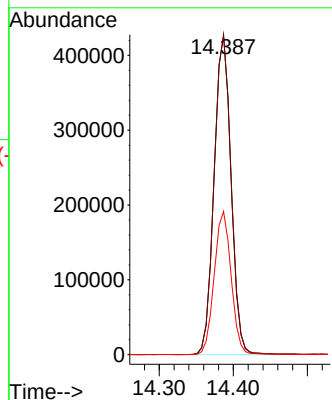
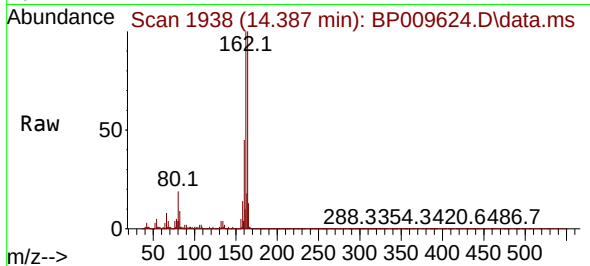




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1948
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

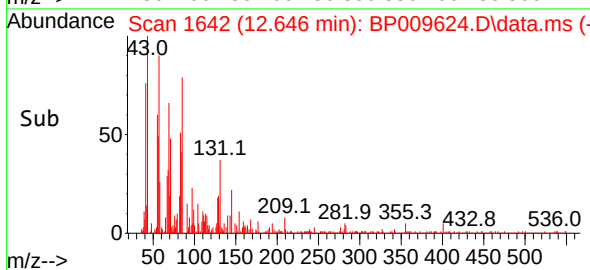
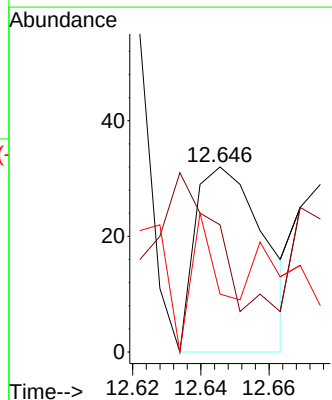
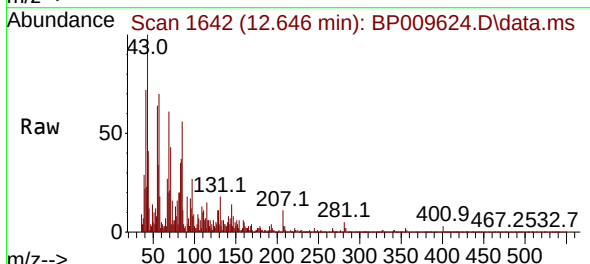
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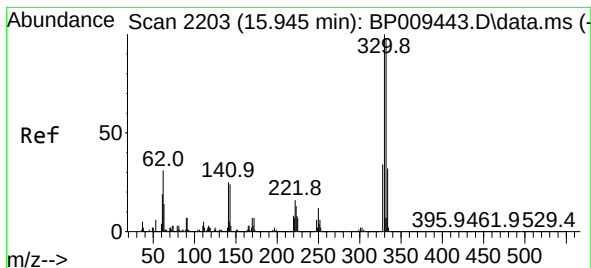
Tgt Ion:164 Resp: 675712
Ion Ratio Lower Upper
164 100
162 99.6 79.1 118.7
160 44.8 34.9 52.3



#41
Hexachlorocyclopentadiene
Concen: 7.293 ng
RT: 12.646 min Scan# 1642
Delta R.T. 0.088 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Tgt Ion:237 Resp: 45
Ion Ratio Lower Upper
237 100
235 68.8 42.6 82.6
272 31.3 0.0 32.8





#42

2,4,6-Tribromophenol

Concen: 1.459 ng

RT: 15.893 min Scan# 2194

Delta R.T. 0.000 min

Lab File: BP009624.D

Acq: 30 Mar 2022 18:13

Instrument :

BNA_P

ClientSampleId :

22L076-E

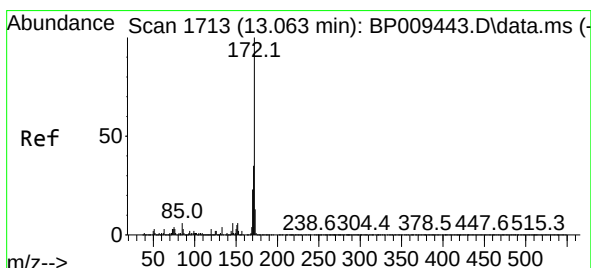
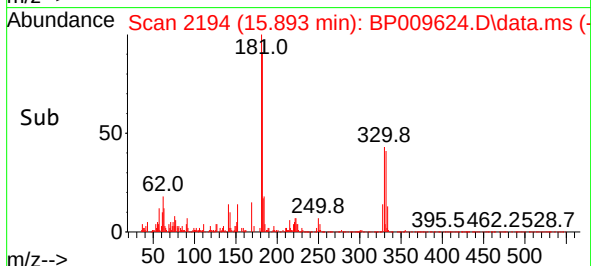
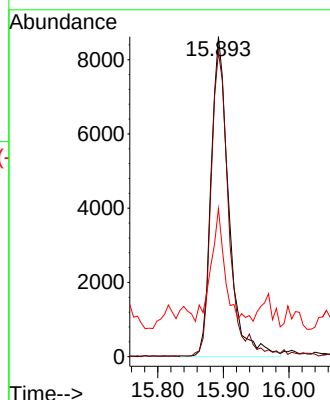
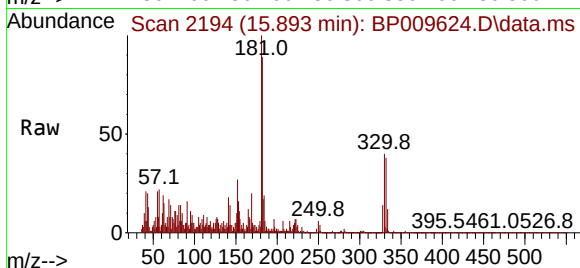
Tgt Ion:330 Resp: 16270

Ion Ratio Lower Upper

330 100

332 94.4 77.0 115.6

141 28.4 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 63.607 ng

RT: 13.004 min Scan# 1703

Delta R.T. -0.006 min

Lab File: BP009624.D

Acq: 30 Mar 2022 18:13

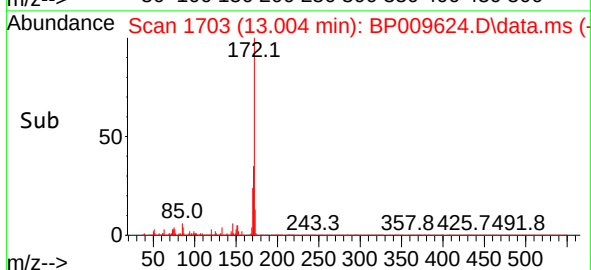
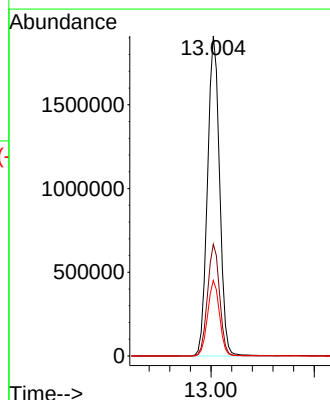
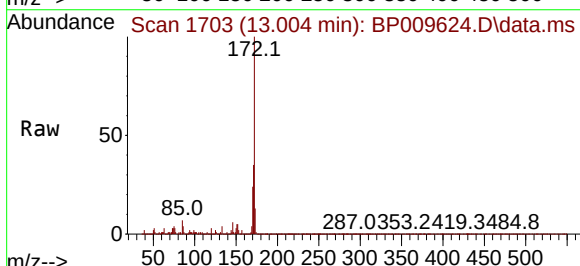
Tgt Ion:172 Resp: 3100364

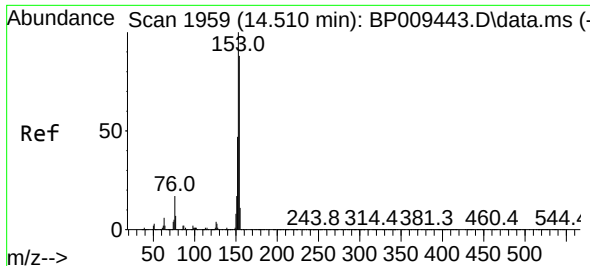
Ion Ratio Lower Upper

172 100

171 34.9 28.0 42.0

170 23.6 18.6 27.8

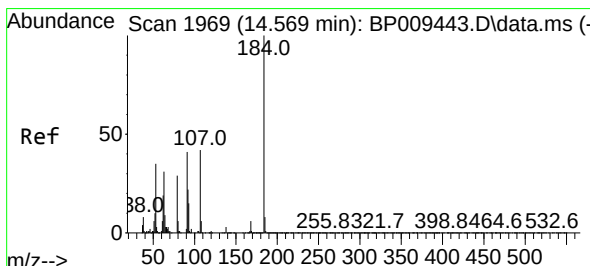
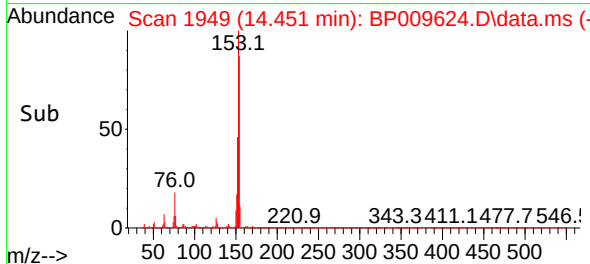
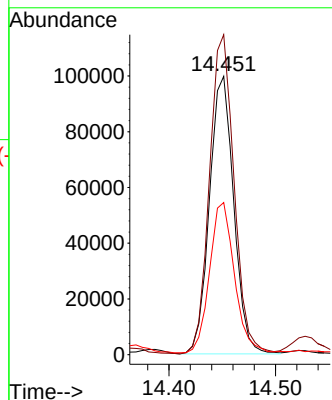
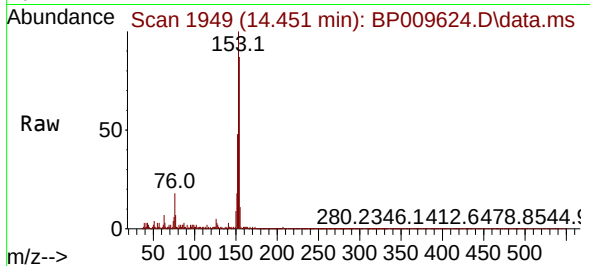




#52
Acenaphthene
Concen: 4.308 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

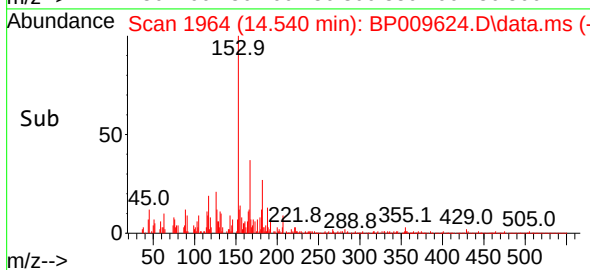
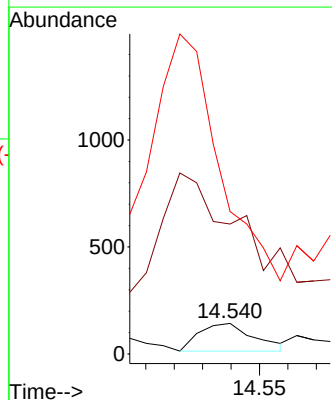
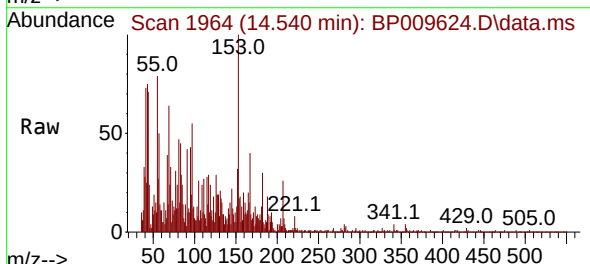
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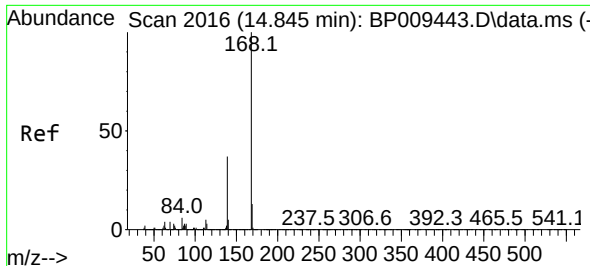
Tgt Ion:154 Resp: 157674
Ion Ratio Lower Upper
154 100
153 115.0 90.2 135.4
152 54.7 42.7 64.1



#54
2,4-Dinitrophenol
Concen: 4.557 ng
RT: 14.540 min Scan# 1964
Delta R.T. 0.012 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Tgt Ion:184 Resp: 174
Ion Ratio Lower Upper
184 100
63 424.5 46.3 69.5#
154 465.7 45.8 68.6#

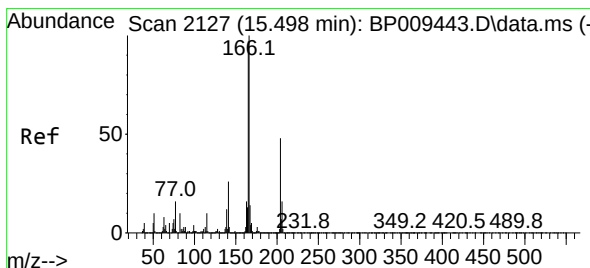
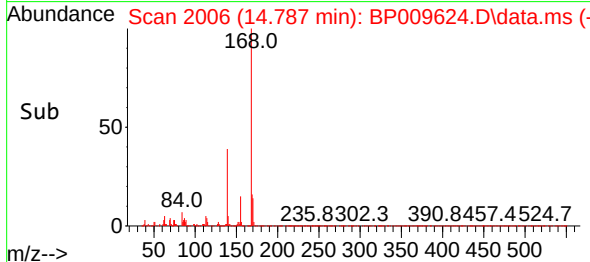
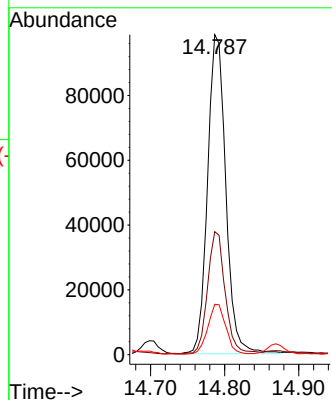
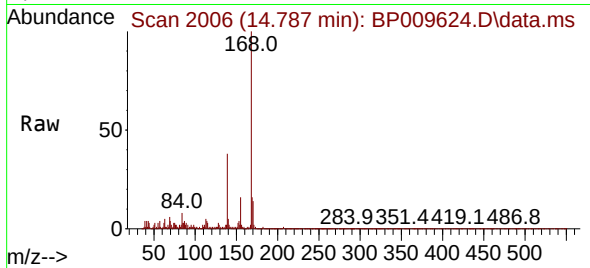




#55
Dibenzofuran
Concen: 2.736 ng
RT: 14.787 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

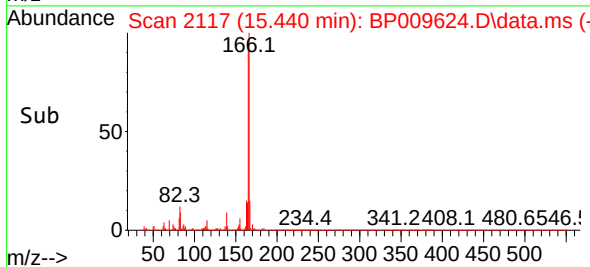
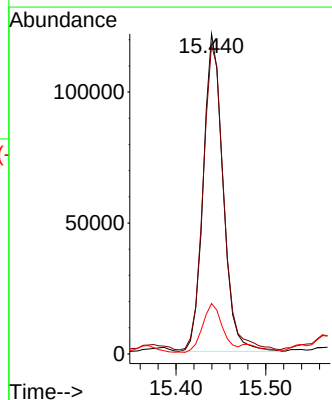
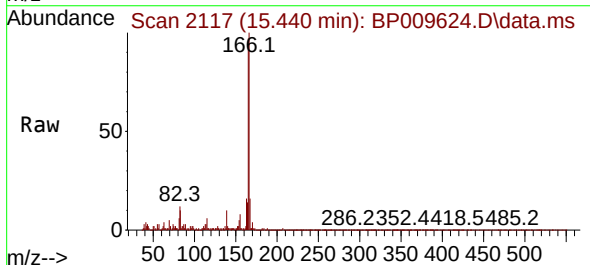
Instrument :
BNA_P
ClientSampleId :
22L076-E

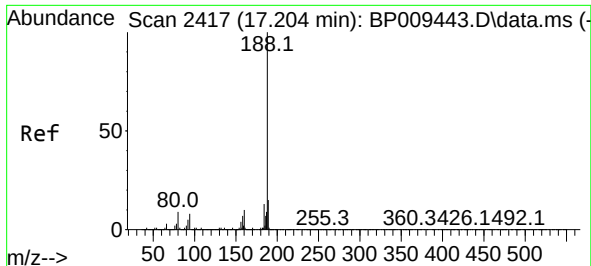
Tgt Ion:168 Resp: 168218
Ion Ratio Lower Upper
168 100
139 38.5 29.1 43.7
169 15.8 10.6 16.0



#58
Fluorene
Concen: 3.827 ng
RT: 15.440 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Tgt Ion:166 Resp: 185059
Ion Ratio Lower Upper
166 100
165 96.6 79.2 118.8
167 15.7 10.7 16.1

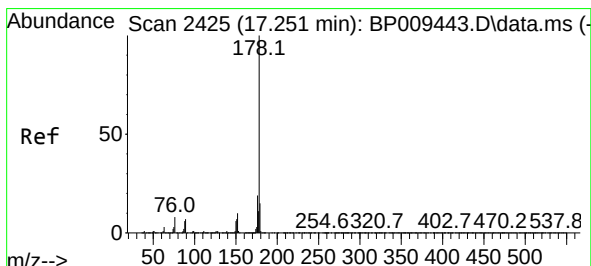
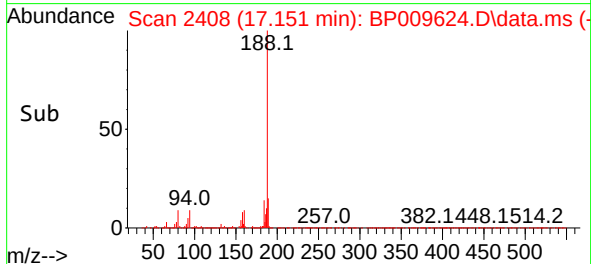
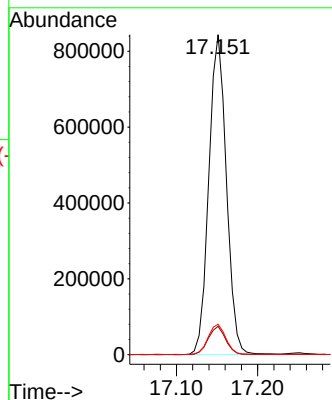
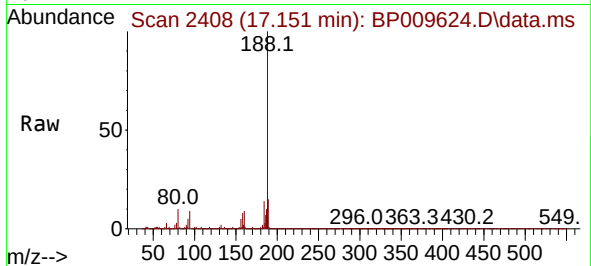




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

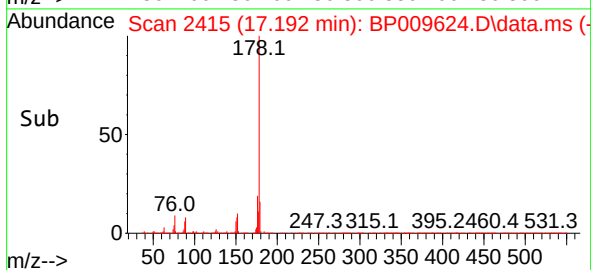
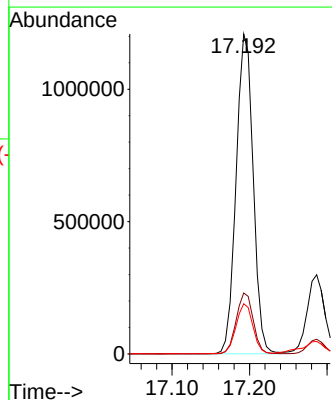
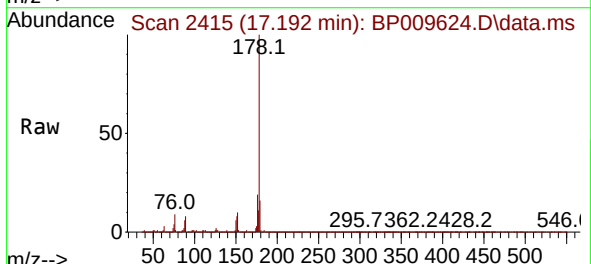
Instrument :
BNA_P
ClientSampleId :
22L076-E

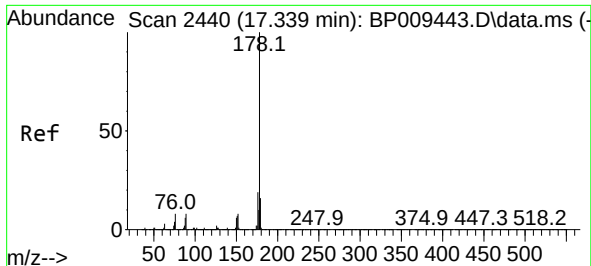
Tgt Ion:188 Resp: 1268084
Ion Ratio Lower Upper
188 100
94 8.8 7.9 11.9
80 9.5 8.8 13.2



#71
Phenanthrene
Concen: 27.304 ng
RT: 17.192 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Tgt Ion:178 Resp: 1853443
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.7 12.3 18.5

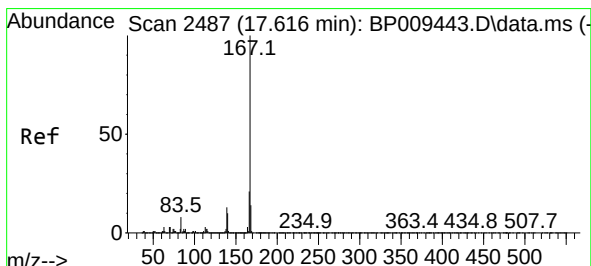
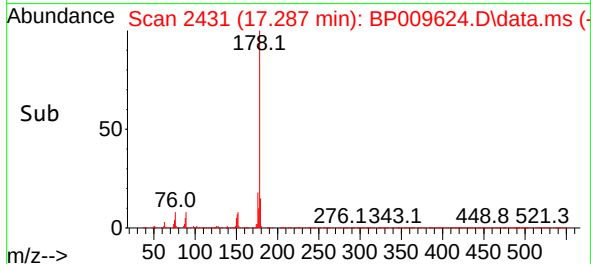
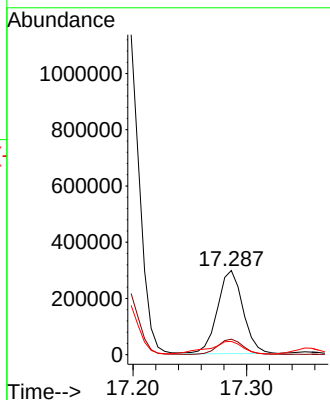
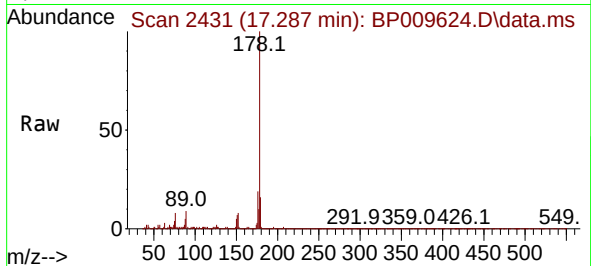




#72
 Anthracene
 Concen: 6.884 ng
 RT: 17.287 min Scan# 2440
 Delta R.T. -0.006 min
 Lab File: BP009624.D
 Acq: 30 Mar 2022 18:13

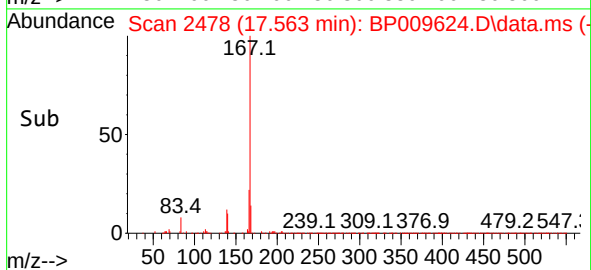
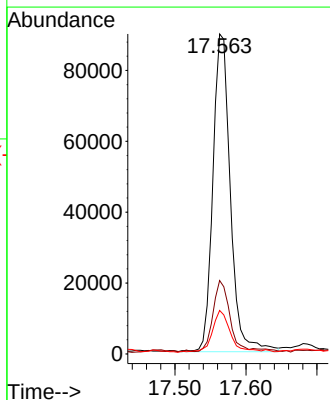
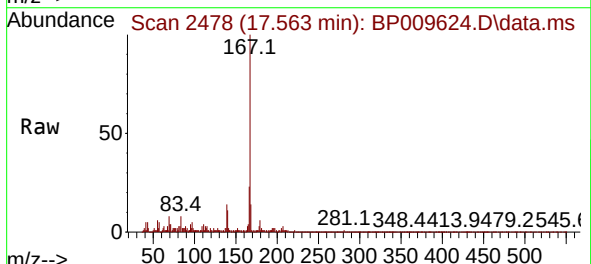
Instrument :
 BNA_P
 ClientSampleId :
 22L076-E

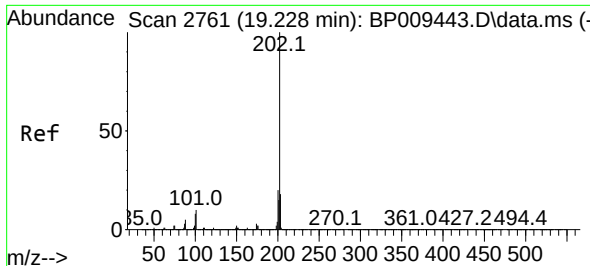
Tgt Ion:178 Resp: 461388
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.8 22.2
 179 15.7 12.2 18.4



#73
 Carbazole
 Concen: 2.339 ng
 RT: 17.563 min Scan# 2478
 Delta R.T. -0.006 min
 Lab File: BP009624.D
 Acq: 30 Mar 2022 18:13

Tgt Ion:167 Resp: 153304
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.2 25.8
 139 13.6 10.3 15.5

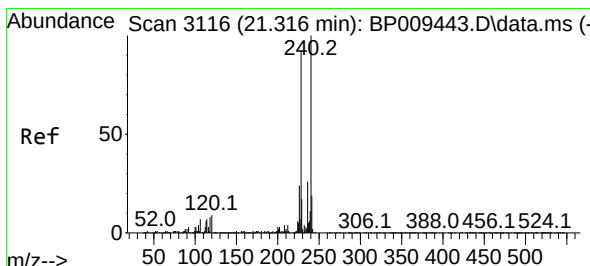
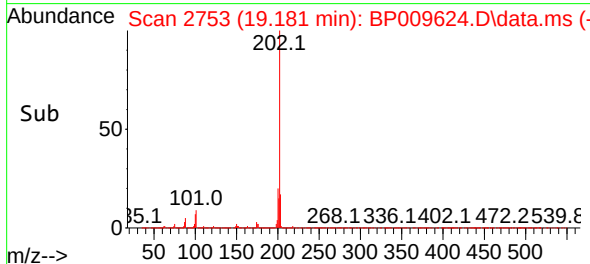
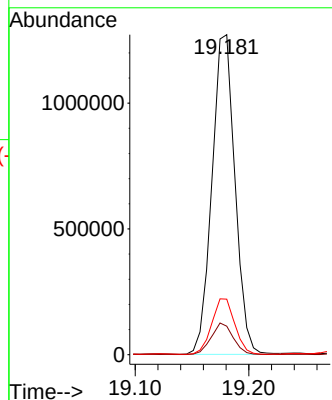
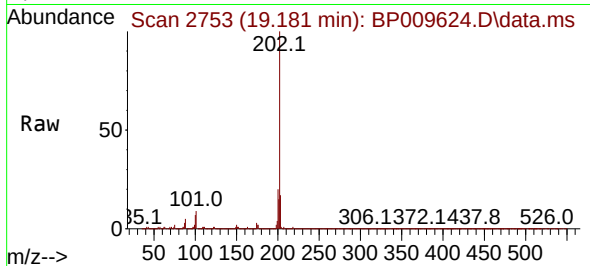




#75
Fluoranthene
Concen: 21.778 ng
RT: 19.181 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

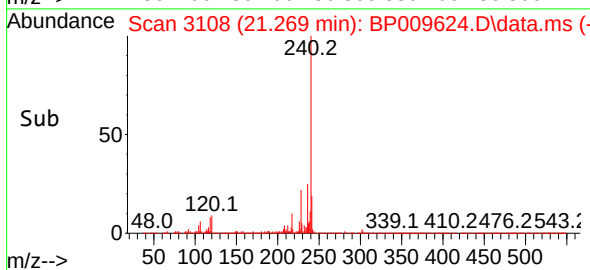
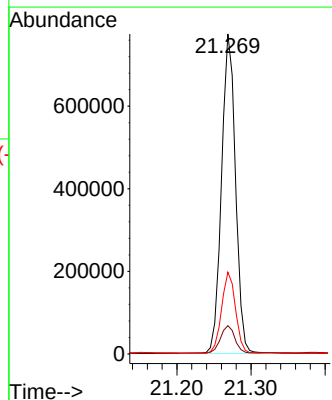
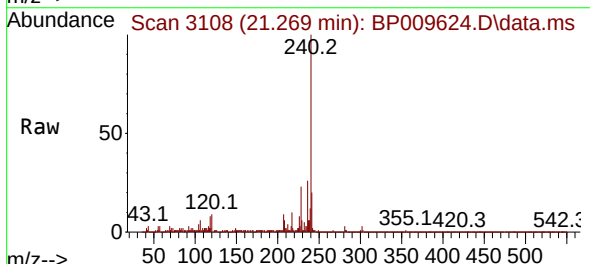
Instrument :
BNA_P
ClientSampleId :
22L076-E

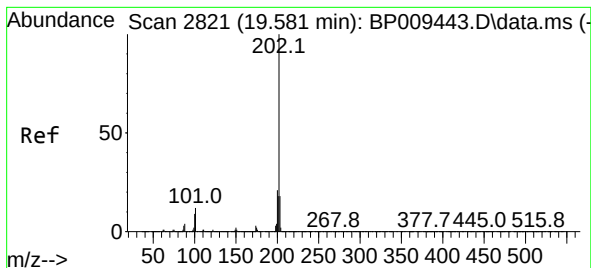
Tgt Ion:202 Resp: 1789743
Ion Ratio Lower Upper
202 100
101 8.9 0.0 31.5
203 17.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.269 min Scan# 3108
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Tgt Ion:240 Resp: 1015863
Ion Ratio Lower Upper
240 100
120 8.8 9.0 13.4#
236 25.6 20.6 30.8





#78

Pyrene

Concen: 23.509 ng

RT: 19.533 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP009624.D

Acq: 30 Mar 2022 18:13

Instrument :

BNA_P

ClientSampleId :

22L076-E

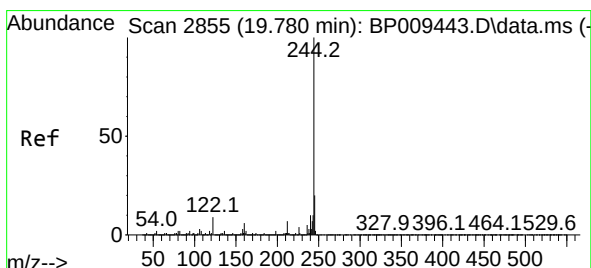
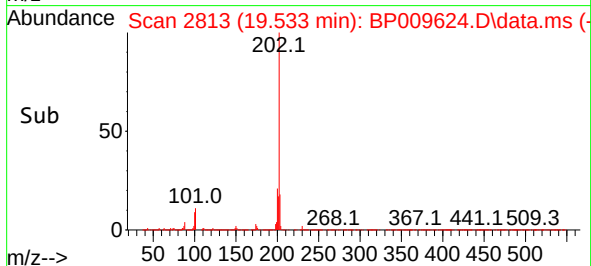
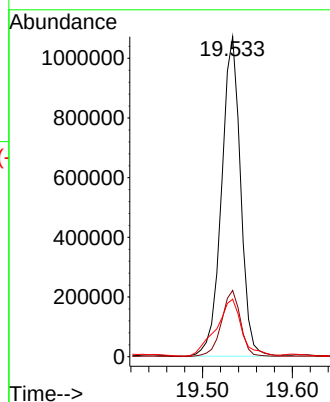
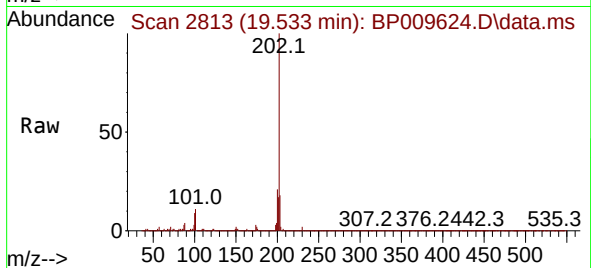
Tgt Ion:202 Resp: 1573733

Ion Ratio Lower Upper

202 100

200 20.7 16.8 25.2

203 18.0 14.2 21.4



#79

Terphenyl-d14

Concen: 62.263 ng

RT: 19.733 min Scan# 2847

Delta R.T. -0.006 min

Lab File: BP009624.D

Acq: 30 Mar 2022 18:13

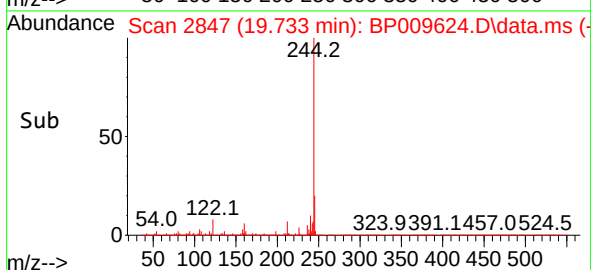
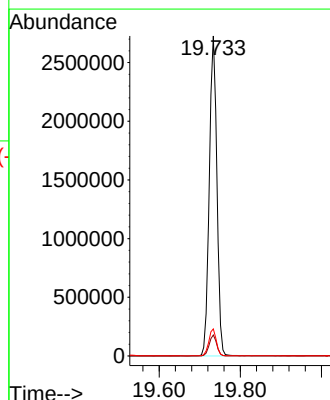
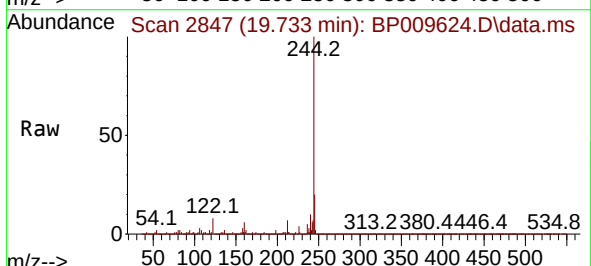
Tgt Ion:244 Resp: 3523916

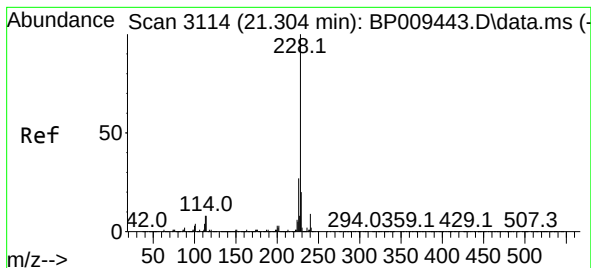
Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.6

122 8.4 8.3 12.5





#81

Benzo(a)anthracene

Concen: 12.809 ng

RT: 21.257 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP009624.D

Acq: 30 Mar 2022 18:13

Instrument :

BNA_P

ClientSampleId :

22L076-E

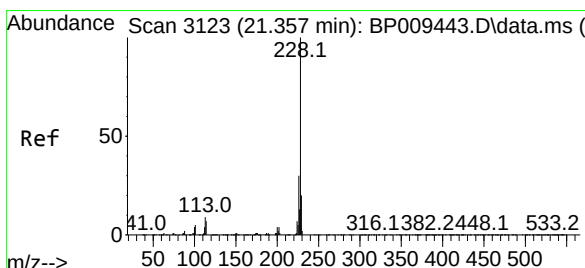
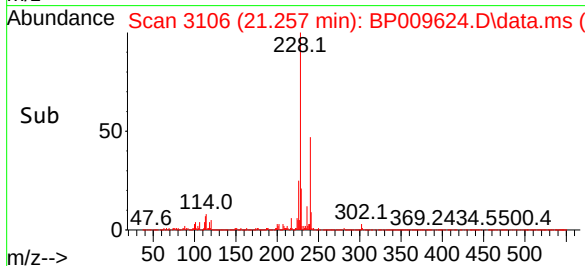
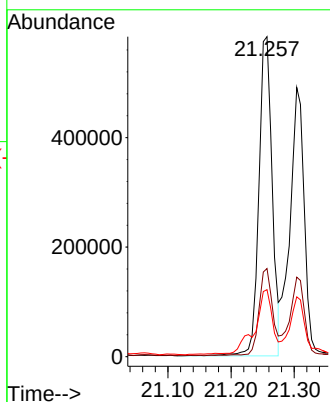
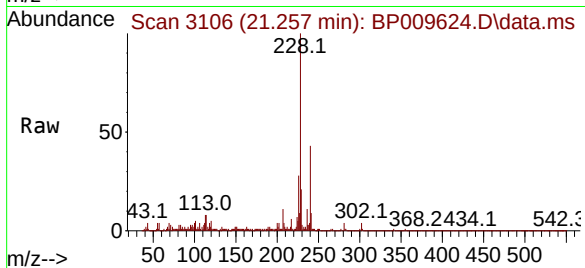
Tgt Ion:228 Resp: 854861

Ion Ratio Lower Upper

228 100

226 27.5 22.0 33.0

229 20.9 16.1 24.1



#83

Chrysene

Concen: 11.526 ng

RT: 21.304 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BP009624.D

Acq: 30 Mar 2022 18:13

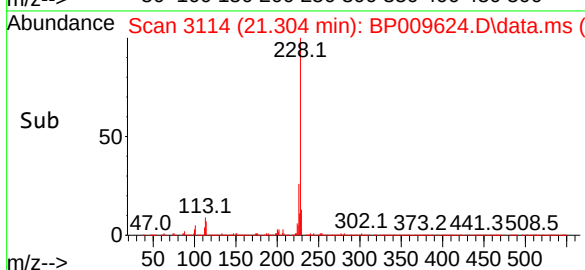
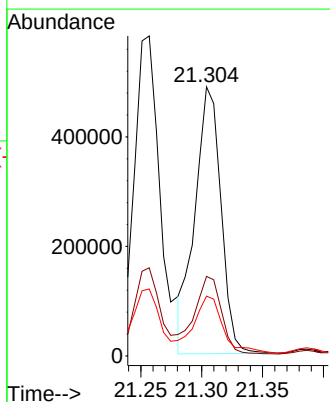
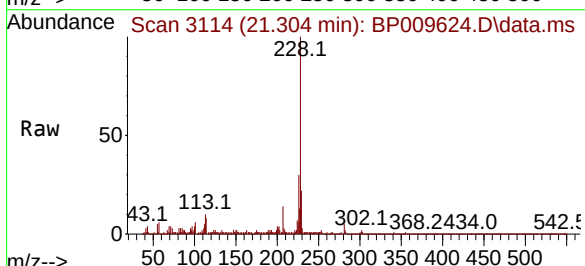
Tgt Ion:228 Resp: 728414

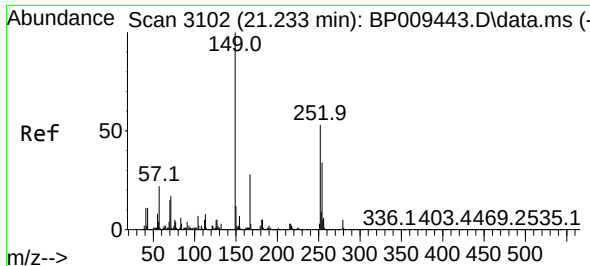
Ion Ratio Lower Upper

228 100

226 29.5 24.2 36.2

229 22.2 16.1 24.1

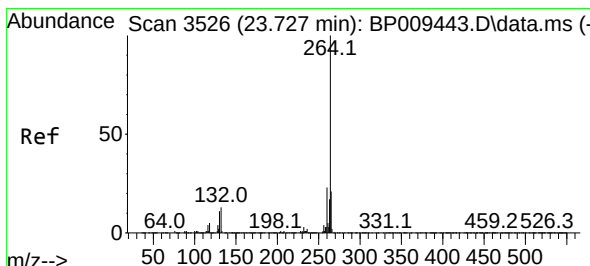
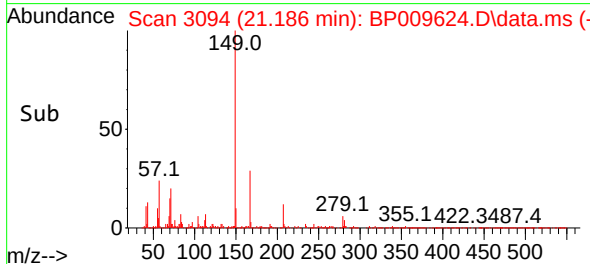
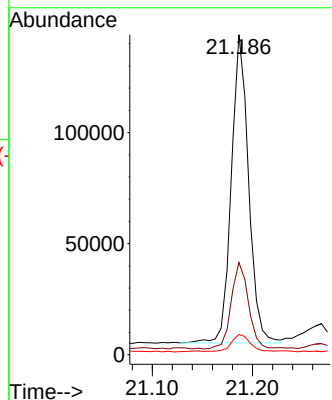
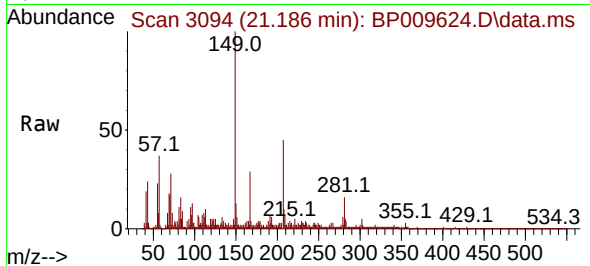




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.175 ng
 RT: 21.186 min Scan# 3094
 Delta R.T. -0.006 min
 Lab File: BP009624.D
 Acq: 30 Mar 2022 18:13

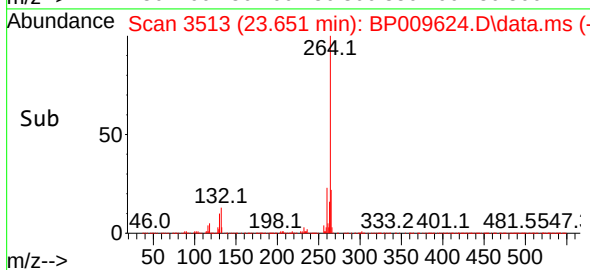
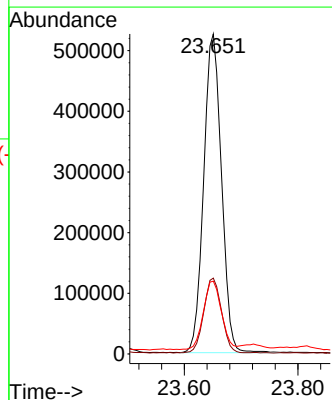
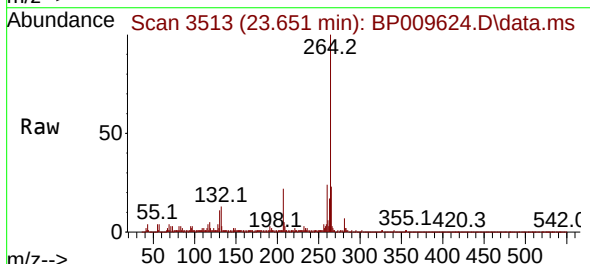
Instrument :
 BNA_P
 ClientSampleId :
 22L076-E

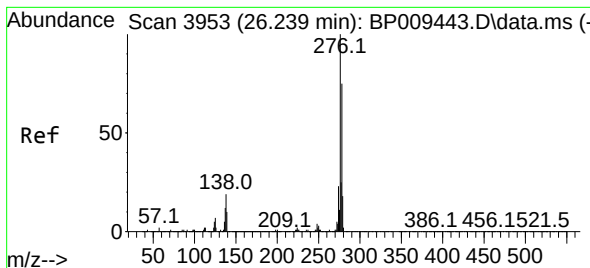
Tgt Ion:149 Resp: 165583
 Ion Ratio Lower Upper
 149 100
 167 28.8 22.6 33.8
 279 6.3 3.8 5.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.651 min Scan# 3513
 Delta R.T. 0.000 min
 Lab File: BP009624.D
 Acq: 30 Mar 2022 18:13

Tgt Ion:264 Resp: 1139670
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.4 29.0
 265 22.7 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.820 ng

RT: 26.121 min Scan# 3390

Delta R.T. -0.017 min

Lab File: BP009624.D

Acq: 30 Mar 2022 18:13

Instrument :

BNA_P

ClientSampleId :

22L076-E

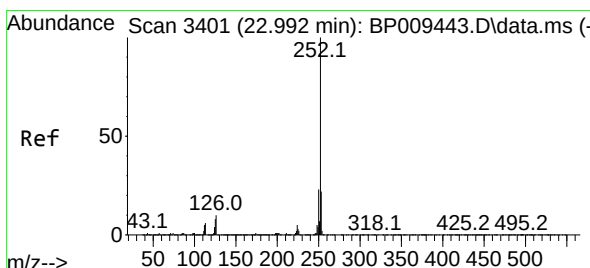
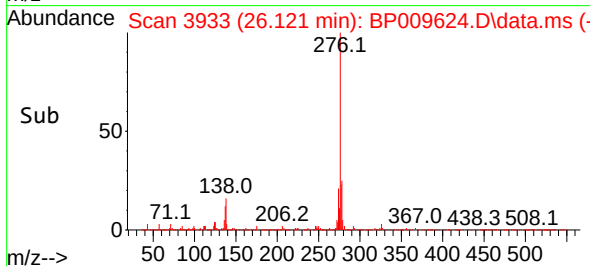
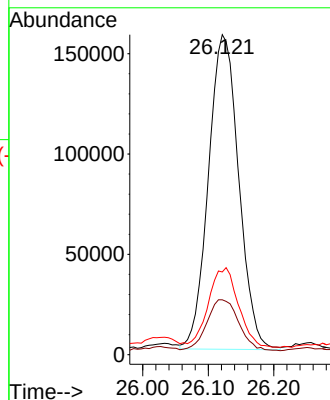
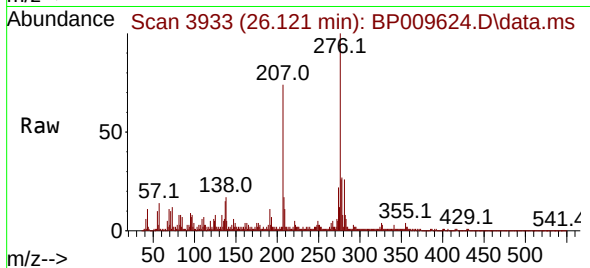
Tgt Ion:276 Resp: 503195

Ion Ratio Lower Upper

276 100

138 17.1 20.5 30.7#

277 24.9 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 14.582 ng

RT: 22.927 min Scan# 3390

Delta R.T. 0.000 min

Lab File: BP009624.D

Acq: 30 Mar 2022 18:13

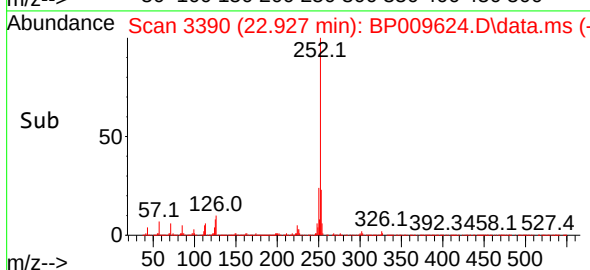
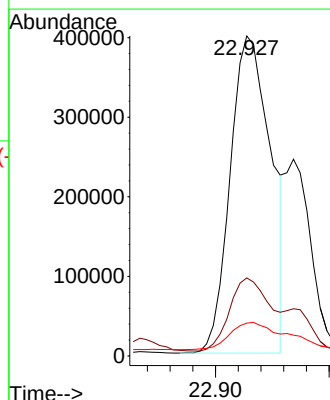
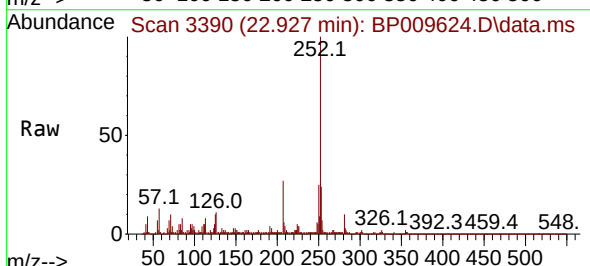
Tgt Ion:252 Resp: 992071

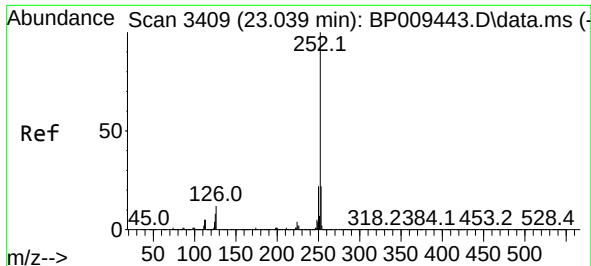
Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.8

125 10.3 8.1 12.1

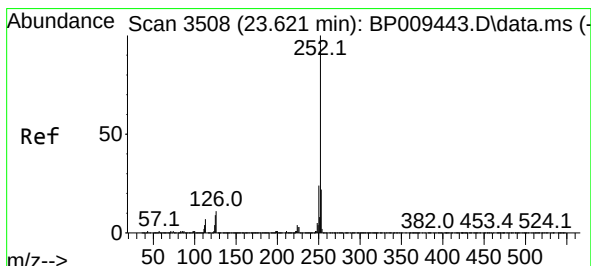
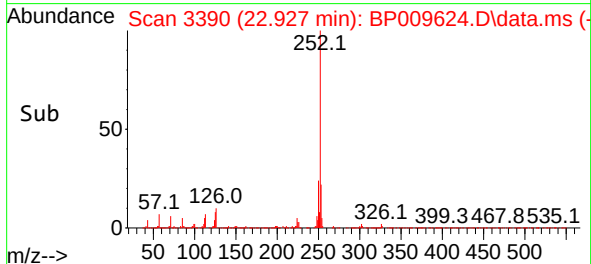
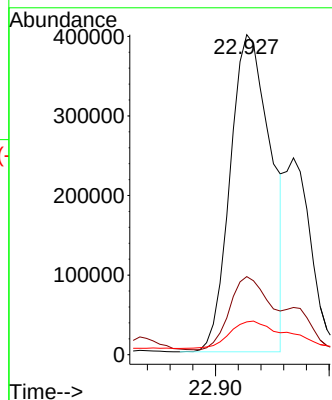
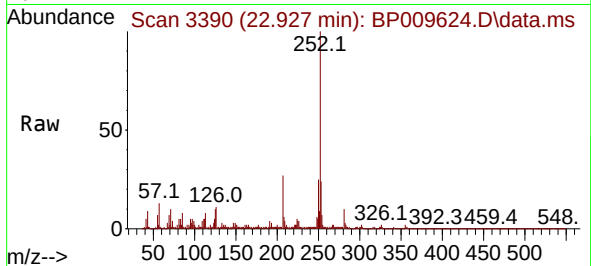




#89
Benzo(k)fluoranthene
Concen: 14.893 ng
RT: 22.927 min Scan# 31
Delta R.T. -0.053 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

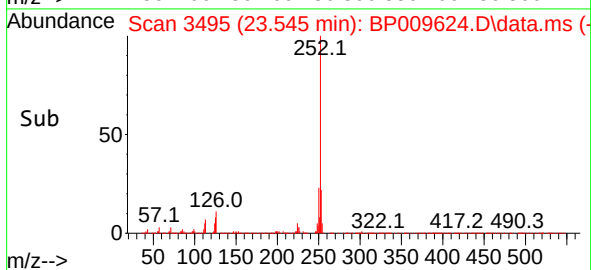
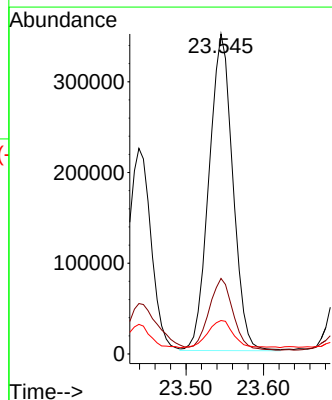
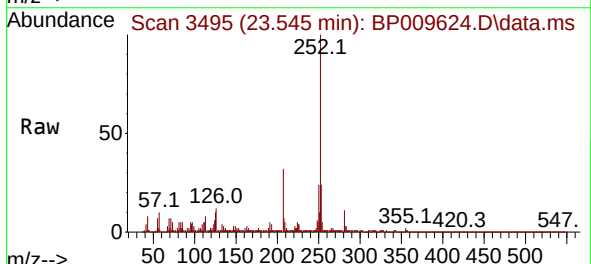
Instrument :
BNA_P
ClientSampleId :
22L076-E

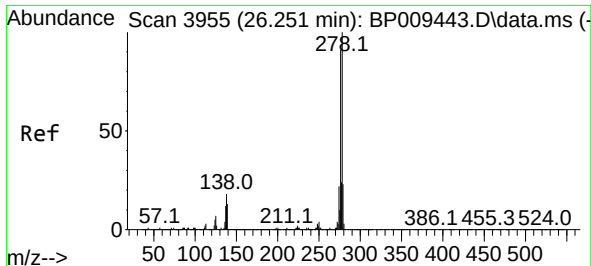
Tgt Ion:252 Resp: 992071
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 10.3 8.3 12.5



#90
Benzo(a)pyrene
Concen: 12.818 ng
RT: 23.545 min Scan# 3495
Delta R.T. -0.006 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Tgt Ion:252 Resp: 746150
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 10.5 9.3 13.9

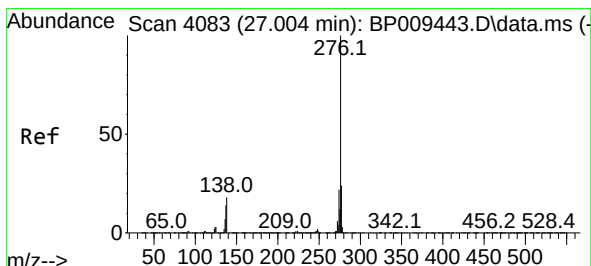
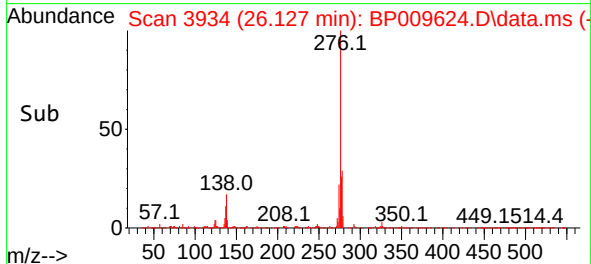
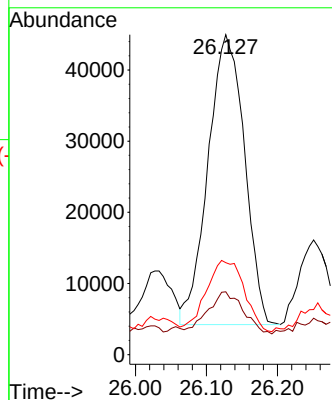
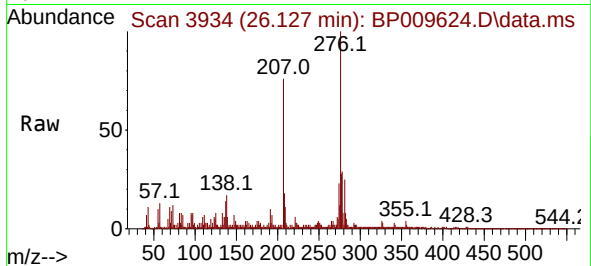




#91
Dibenzo(a,h)anthracene
Concen: 2.012 ng
RT: 26.127 min Scan# 3955
Delta R.T. -0.023 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Instrument :
BNA_P
ClientSampleId :
22L076-E

Tgt Ion:278 Resp: 144958
Ion Ratio Lower Upper
278 100
139 19.7 13.2 19.8
279 28.7 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 7.043 ng
RT: 26.880 min Scan# 4062
Delta R.T. -0.017 min
Lab File: BP009624.D
Acq: 30 Mar 2022 18:13

Tgt Ion:276 Resp: 499277
Ion Ratio Lower Upper
276 100
277 25.2 19.2 28.8
138 16.4 18.0 27.0#

