

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060622\
 Data File : BP010706.D
 Acq On : 06 Jun 2022 16:52
 Operator : CG/JU
 Sample : N3139-03DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-3DL

Quant Time: Jun 07 05:17:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 06 15:39:44 2022
 Response via : Initial Calibration

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

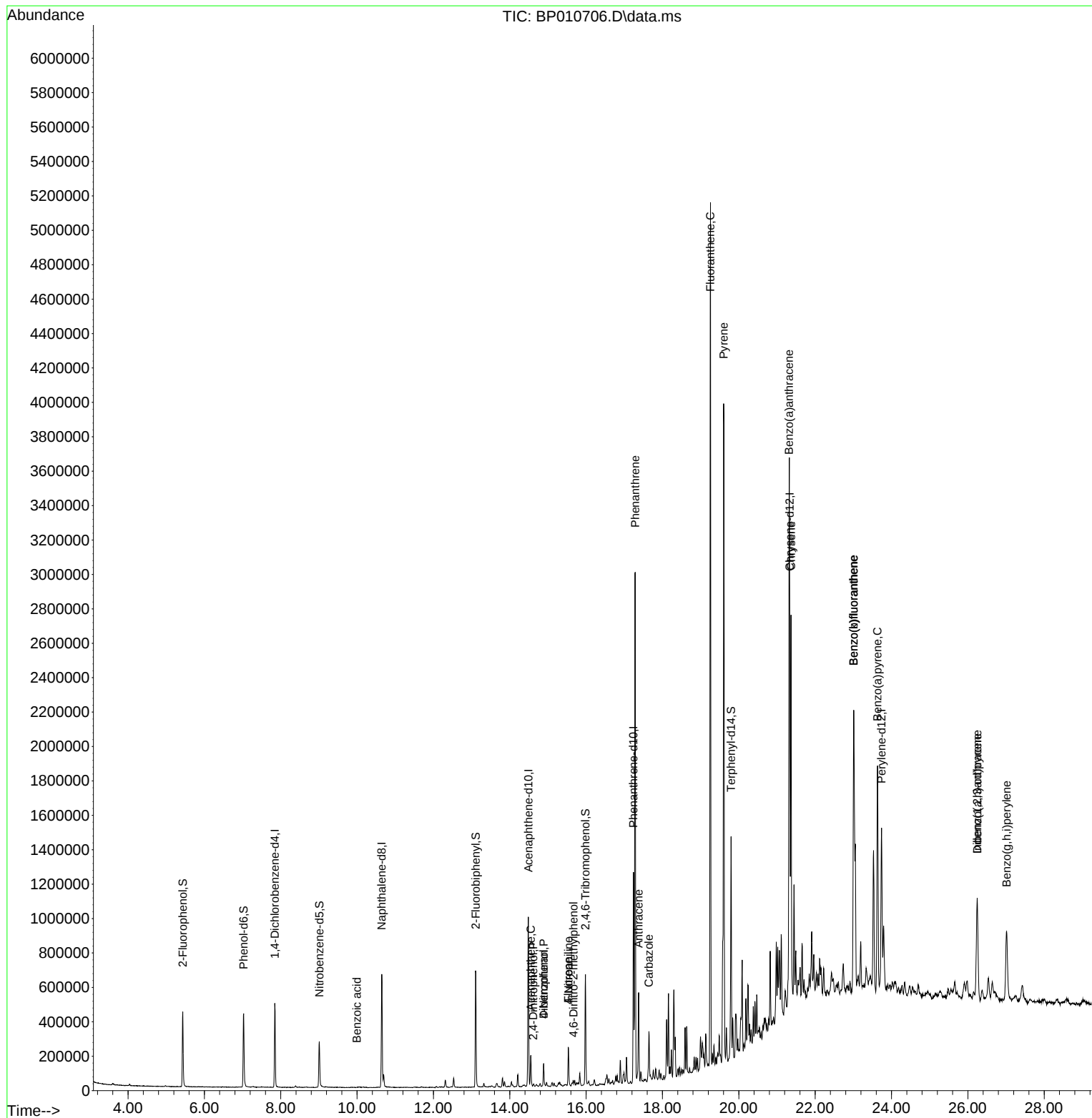
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.846	152	125984	20.000	ng	0.00
21) Naphthalene-d8	10.646	136	522058	20.000	ng	0.00
39) Acenaphthene-d10	14.487	164	327914	20.000	ng	0.00
64) Phenanthrene-d10	17.239	188	696043	20.000	ng	0.00
76) Chrysene-d12	21.333	240	763957	20.000	ng	0.00
86) Perylene-d12	23.739	264	727973	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	175786	25.455	ng	0.00
7) Phenol-d6	7.028	99	246541	25.147	ng	0.00
23) Nitrobenzene-d5	9.010	82	166306	15.061	ng	0.00
42) 2,4,6-Tribromophenol	15.981	330	99545	26.818	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	351339	15.206	ng	0.00
79) Terphenyl-d14	19.798	244	564995	13.891	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.993	122	62	7.334	ng	# 88
52) Acenaphthene	14.551	154	62848	3.467	ng	98
54) 2,4-Dinitrophenol	14.616	184	25	6.653	ng	# 1
55) Dibenzofuran	14.887	168	72854	2.541	ng	98
56) 4-Nitrophenol	14.887	139	27988	10.060	ng	# 1
58) Fluorene	15.534	166	100174	4.274	ng	98
62) 4-Nitroaniline	15.540	138	1421	2.392	ng	# 25
65) 4,6-Dinitro-2-methylph...	15.669	198	52	4.613	ng	# 1
71) Phenanthrene	17.287	178	1768182	46.323	ng	99
72) Anthracene	17.375	178	321268	8.790	ng	99
73) Carbazole	17.645	167	165744	5.336	ng	98
75) Fluoranthene	19.257	202	2806330	67.689	ng	99
78) Pyrene	19.604	202	2344403	44.035	ng	99
81) Benzo(a)anthracene	21.316	228	1343197	26.797	ng	98
83) Chrysene	21.369	228	1185240	24.108	ng	97
87) Indeno(1,2,3-cd)pyrene	26.245	276	589620	11.110	ng	96
88) Benzo(b)fluoranthene	23.010	252	1456803	31.784	ng	99
89) Benzo(k)fluoranthene	23.010	252	1456803	31.355	ng	98
90) Benzo(a)pyrene	23.633	252	979850	25.845	ng	98
91) Dibenzo(a,h)anthracene	26.245	278	159188	3.586	ng	# 91
92) Benzo(g,h,i)perylene	27.015	276	547219	12.401	ng	98

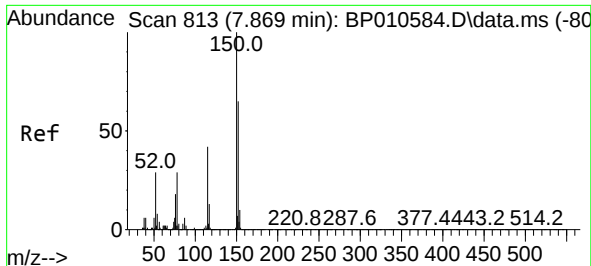
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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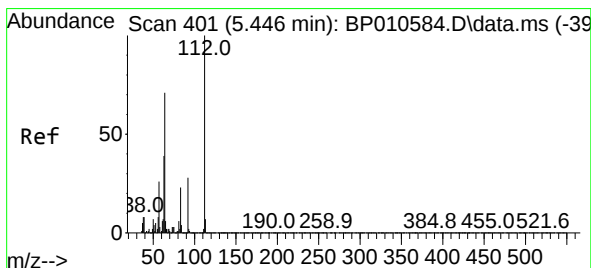
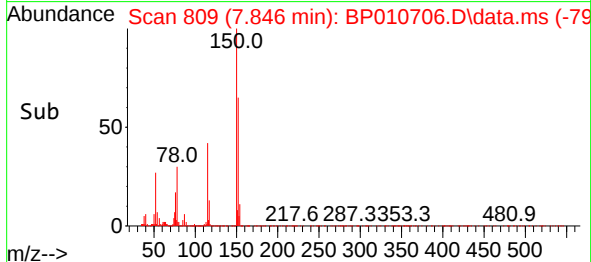
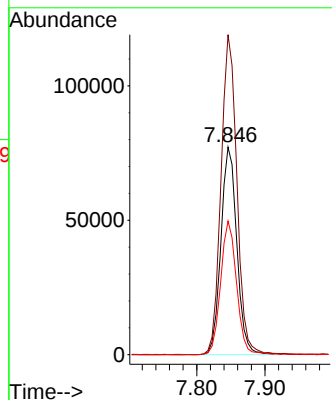
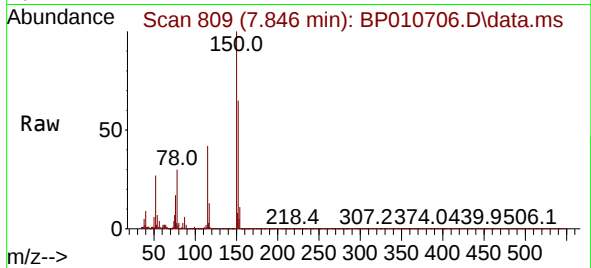




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.846 min Scan# 809
 Delta R.T. -0.006 min
 Lab File: BP010706.D
 Acq: 06 Jun 2022 16:52

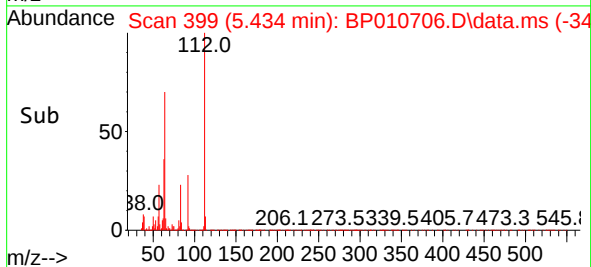
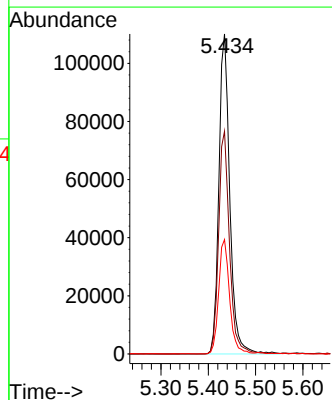
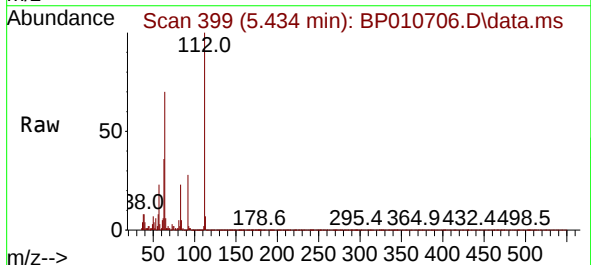
Instrument :
 BNA_P
 ClientSampleId :
 COMP-3DL

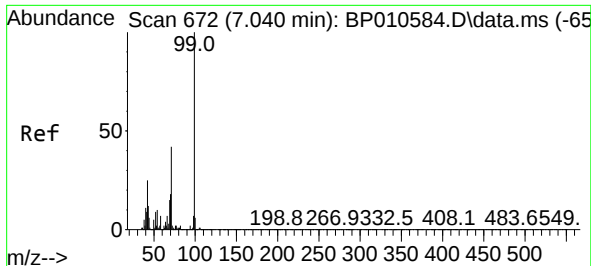
Tgt Ion:152 Resp: 125984
 Ion Ratio Lower Upper
 152 100
 150 154.2 123.4 185.2
 115 64.4 51.3 76.9



#5
 2-Fluorophenol
 Concen: 25.455 ng
 RT: 5.434 min Scan# 399
 Delta R.T. -0.000 min
 Lab File: BP010706.D
 Acq: 06 Jun 2022 16:52

Tgt Ion:112 Resp: 175786
 Ion Ratio Lower Upper
 112 100
 64 69.6 56.9 85.3
 63 35.7 31.2 46.8

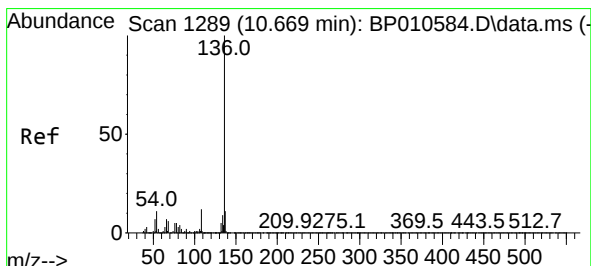
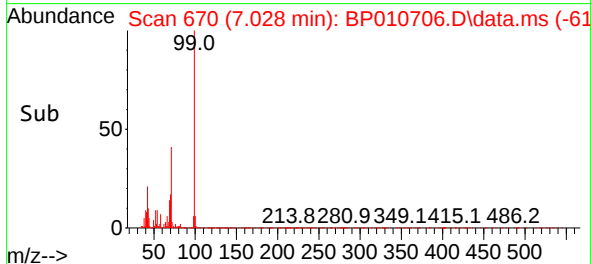
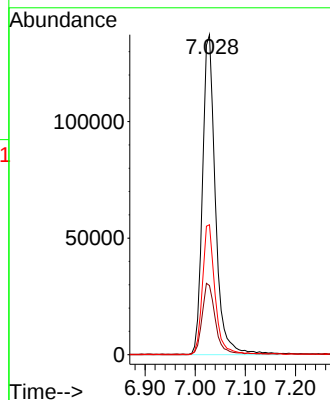
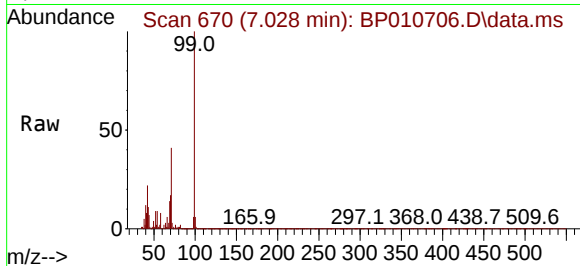




#7
Phenol-d6
Concen: 25.147 ng
RT: 7.028 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

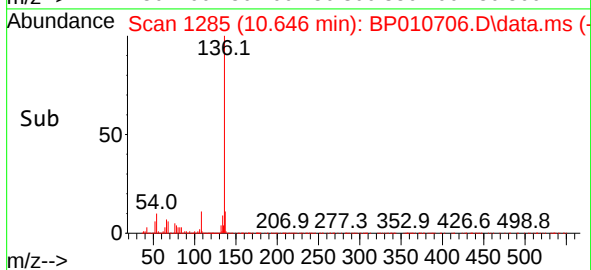
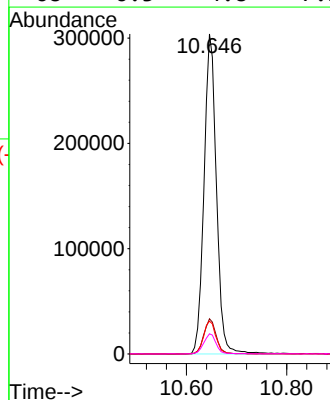
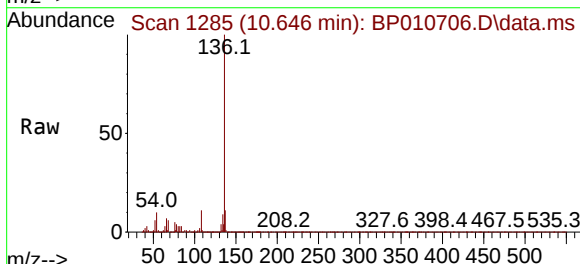
Instrument :
BNA_P
ClientSampleId :
COMP-3DL

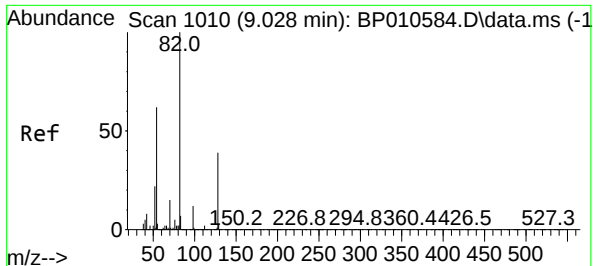
Tgt Ion: 99 Resp: 246541
Ion Ratio Lower Upper
99 100
42 21.6 20.3 30.5
71 40.6 33.9 50.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.646 min Scan# 1285
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

Tgt Ion: 136 Resp: 522058
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 10.3 8.7 13.1
68 6.3 4.8 7.2





#23

Nitrobenzene-d5

Concen: 15.061 ng

RT: 9.010 min Scan# 1010

Delta R.T. -0.000 min

Lab File: BP010706.D

Acq: 06 Jun 2022 16:52

Instrument :

BNA_P

ClientSampleId :

COMP-3DL

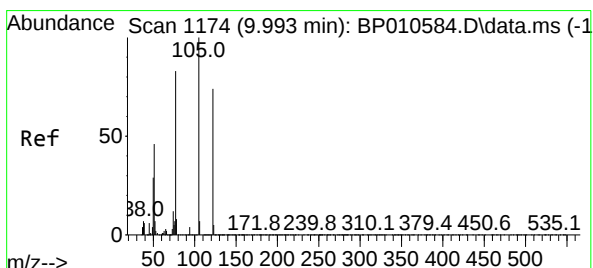
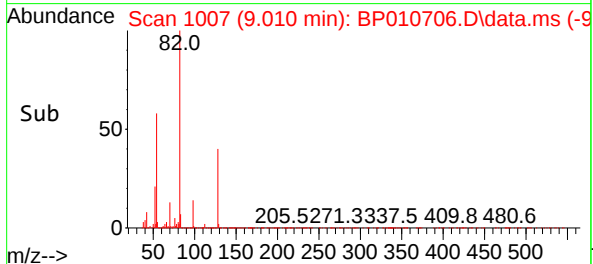
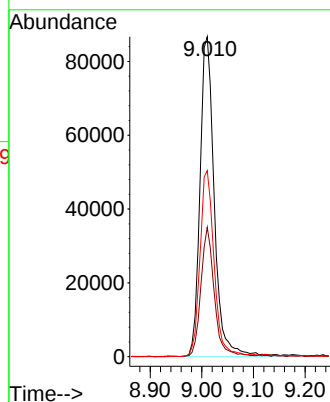
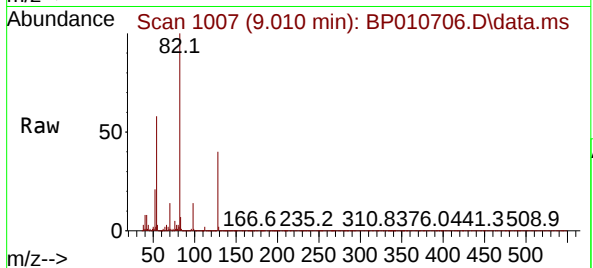
Tgt Ion: 82 Resp: 166306

Ion Ratio Lower Upper

82 100

128 40.4 31.3 46.9

54 58.1 49.8 74.8



#32

Benzoic acid

Concen: 7.334 ng

RT: 9.993 min Scan# 1174

Delta R.T. -0.000 min

Lab File: BP010706.D

Acq: 06 Jun 2022 16:52

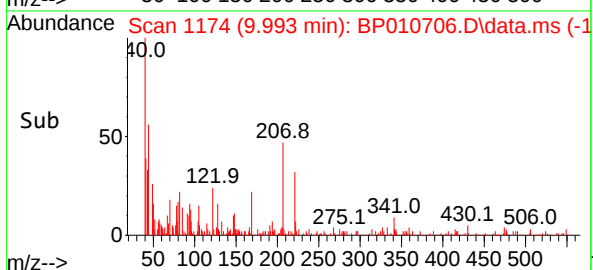
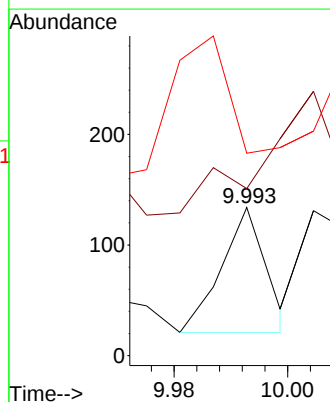
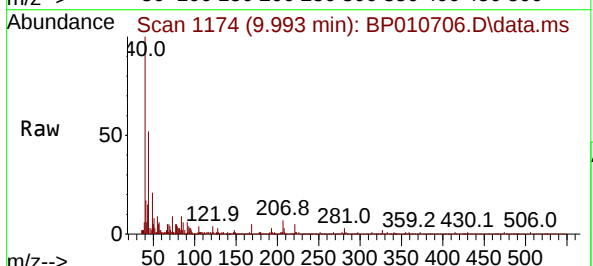
Tgt Ion: 122 Resp: 62

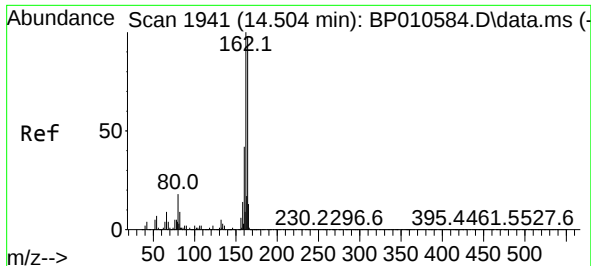
Ion Ratio Lower Upper

122 100

105 135.1 112.6 152.6

77 136.6 90.2 130.2#

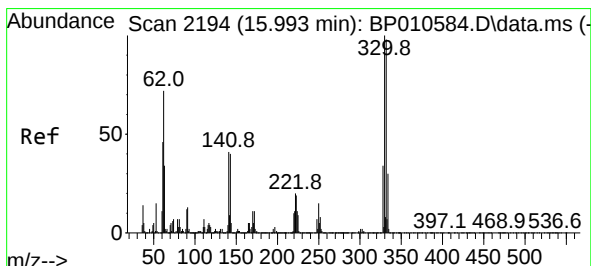
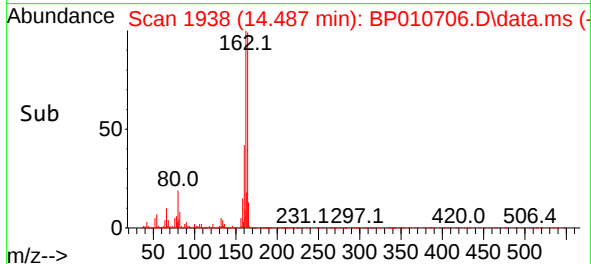
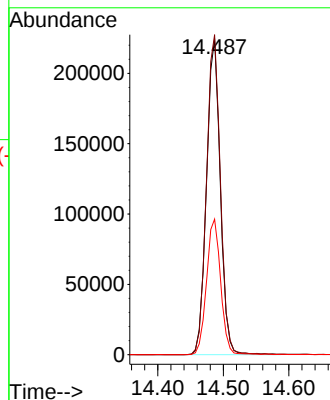
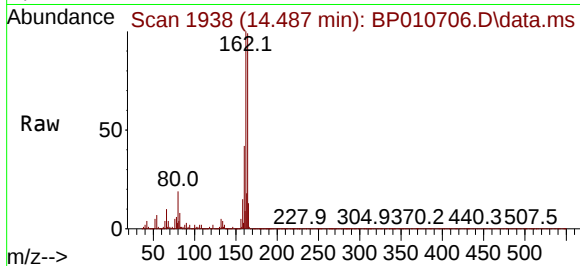




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.487 min Scan# 1938
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

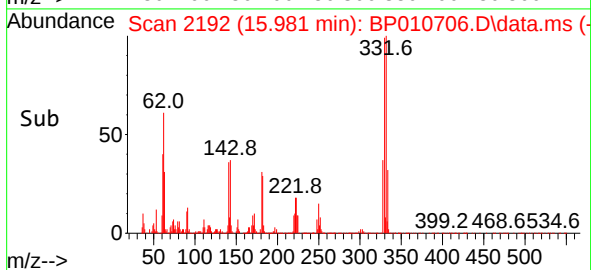
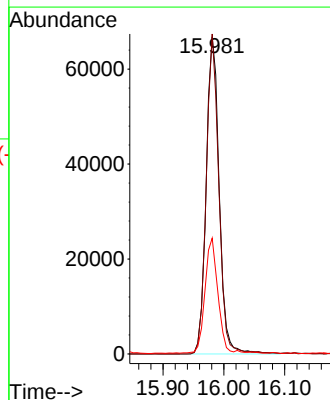
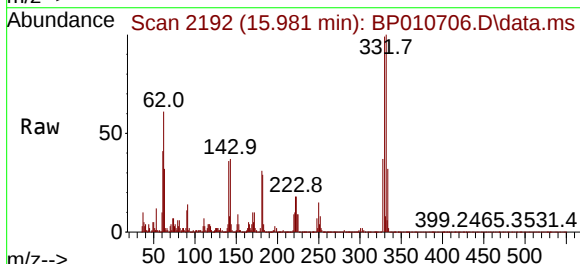
Instrument :
BNA_P
ClientSampleId :
COMP-3DL

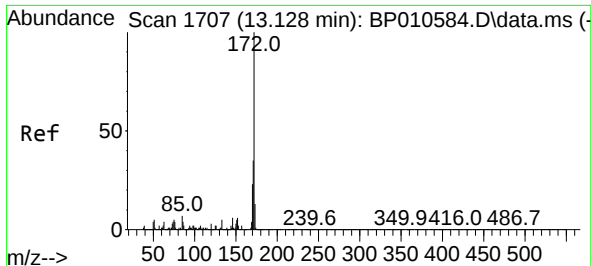
Tgt Ion:164 Resp: 327914
Ion Ratio Lower Upper
164 100
162 101.3 81.9 122.9
160 42.9 34.6 51.8



#42
2,4,6-Tribromophenol
Concen: 26.818 ng
RT: 15.981 min Scan# 2192
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

Tgt Ion:330 Resp: 99545
Ion Ratio Lower Upper
330 100
332 96.2 78.1 117.1
141 36.0 31.4 47.2

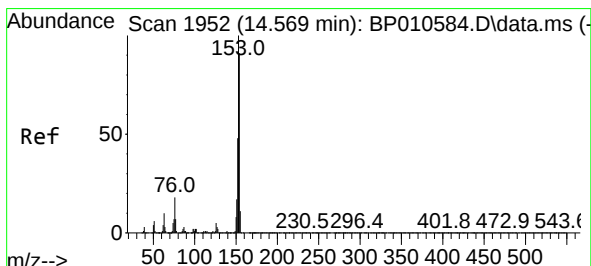
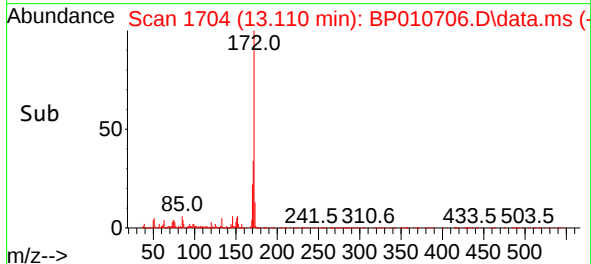
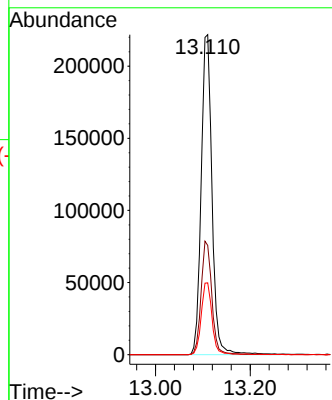
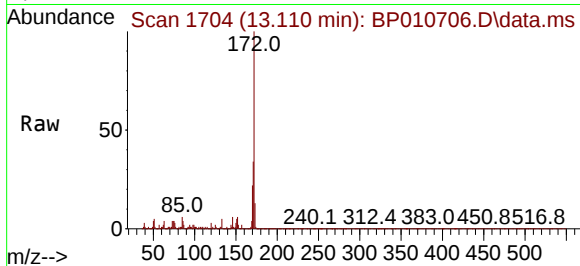




#45
2-Fluorobiphenyl
Concen: 15.206 ng
RT: 13.110 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

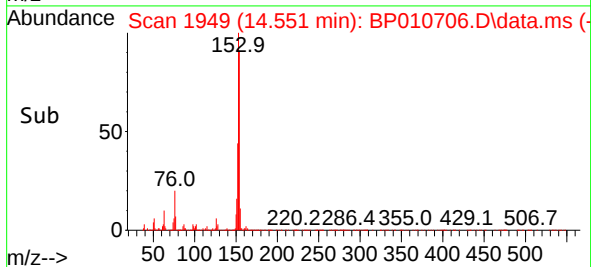
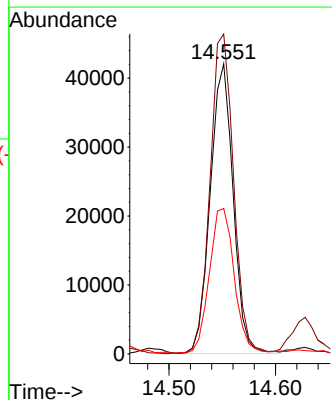
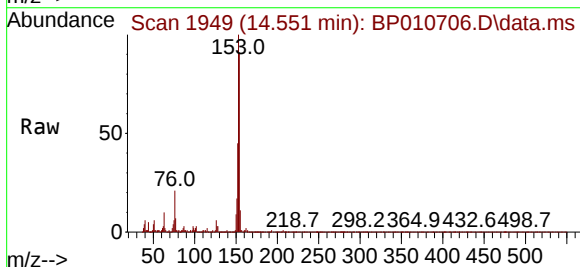
Instrument :
BNA_P
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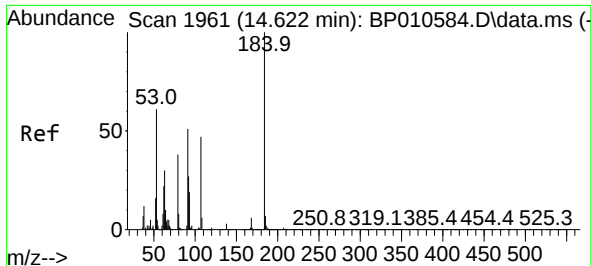
Tgt Ion:172 Resp: 351339
Ion Ratio Lower Upper
172 100
171 34.2 27.9 41.9
170 22.4 18.2 27.2



#52
Acenaphthene
Concen: 3.467 ng
RT: 14.551 min Scan# 1949
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

Tgt Ion:154 Resp: 62848
Ion Ratio Lower Upper
154 100
153 110.3 87.4 131.2
152 50.1 41.7 62.5

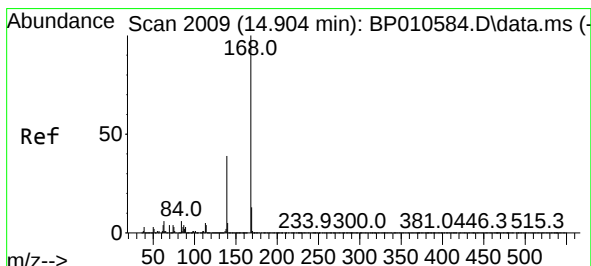
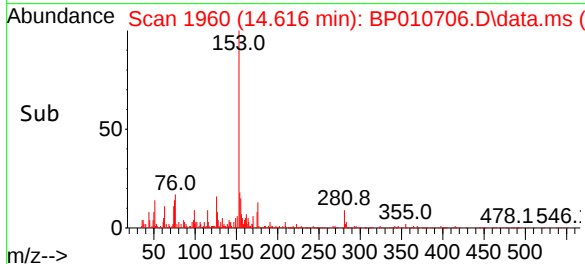
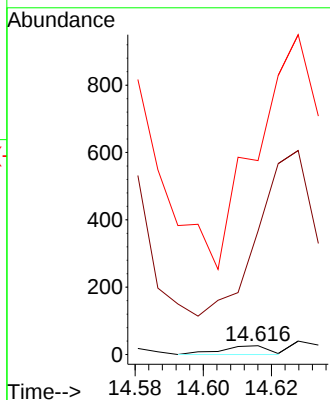
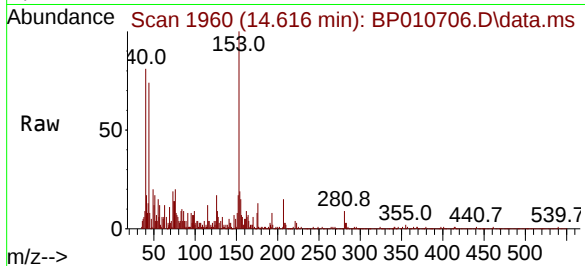




#54
2,4-Dinitrophenol
Concen: 6.653 ng
RT: 14.616 min Scan# 1960
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

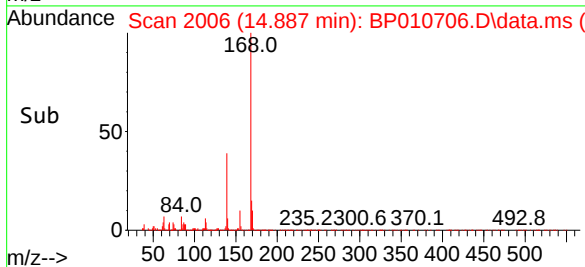
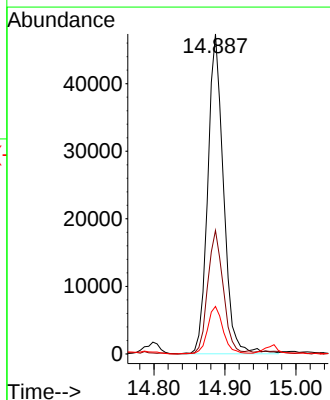
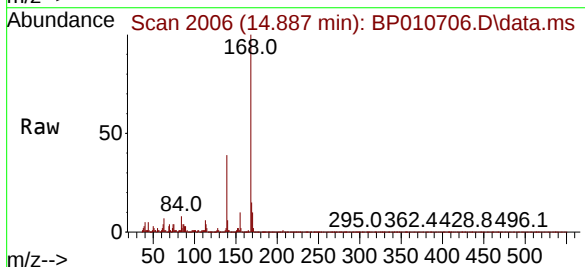
Instrument :
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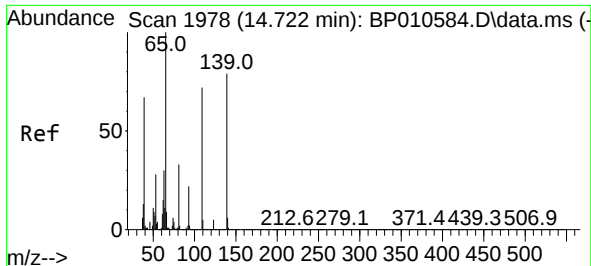
Tgt Ion:184 Resp: 25
Ion Ratio Lower Upper
184 100
63 1411.5 65.4 98.2#
154 2215.4 55.4 83.2#



#55
Dibenzofuran
Concen: 2.541 ng
RT: 14.887 min Scan# 2006
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

Tgt Ion:168 Resp: 72854
Ion Ratio Lower Upper
168 100
139 38.6 31.5 47.3
169 14.9 10.3 15.5

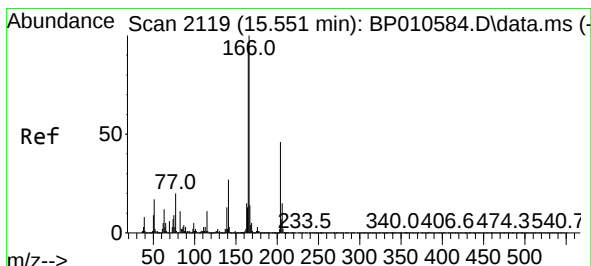
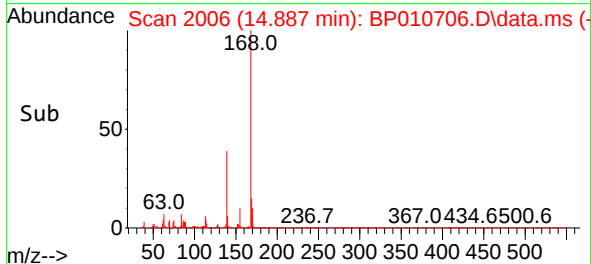
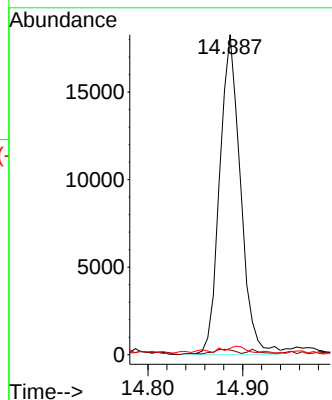
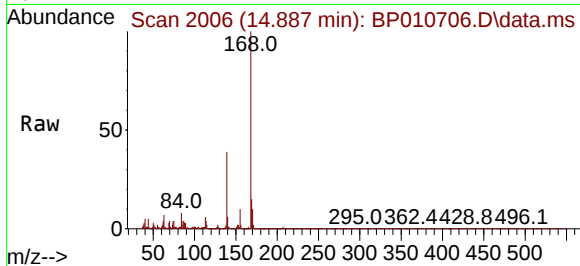




#56
4-Nitrophenol
Concen: 10.060 ng
RT: 14.887 min Scan# 2006
Delta R.T. 0.165 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

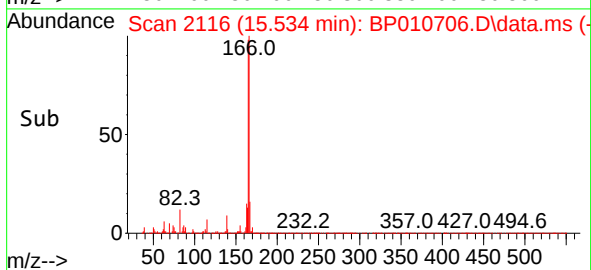
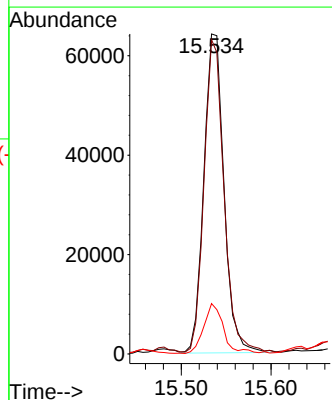
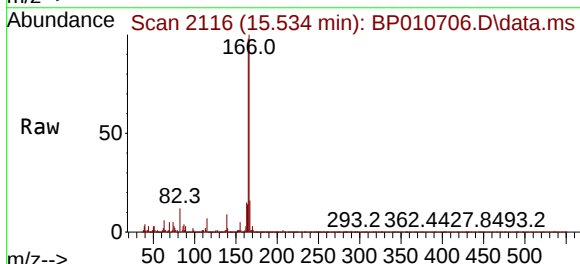
Instrument :
BNA_P
ClientSampleId :
COMP-3DL

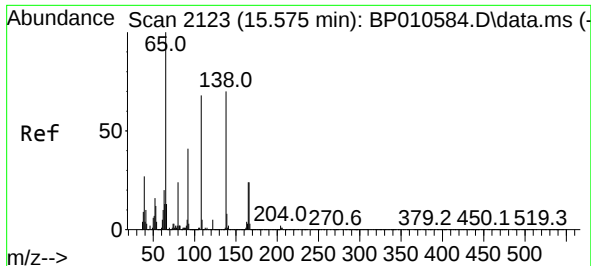
Tgt Ion:139 Resp: 27988
Ion Ratio Lower Upper
139 100
109 1.4 70.6 110.6#
65 2.0 106.6 146.6#



#58
Fluorene
Concen: 4.274 ng
RT: 15.534 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

Tgt Ion:166 Resp: 100174
Ion Ratio Lower Upper
166 100
165 98.2 77.0 115.4
167 15.8 10.9 16.3

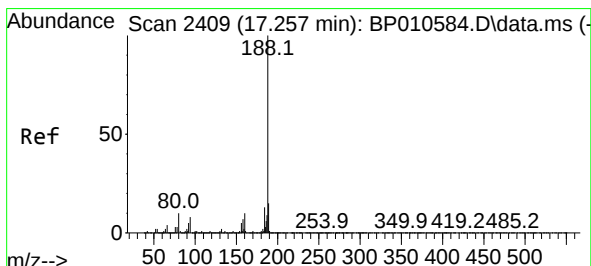
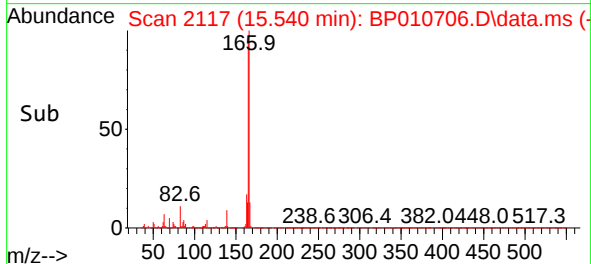
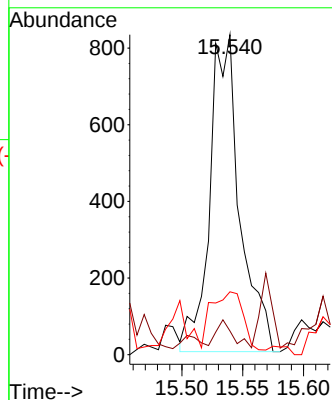
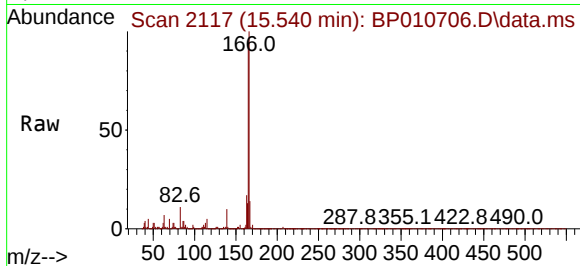




#62
4-Nitroaniline
Concen: 2.392 ng
RT: 15.540 min Scan# 2117
Delta R.T. -0.024 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

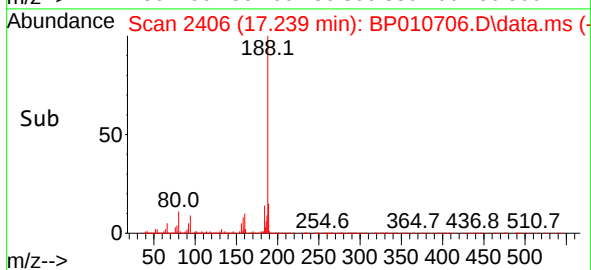
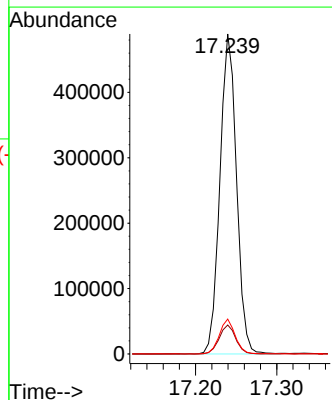
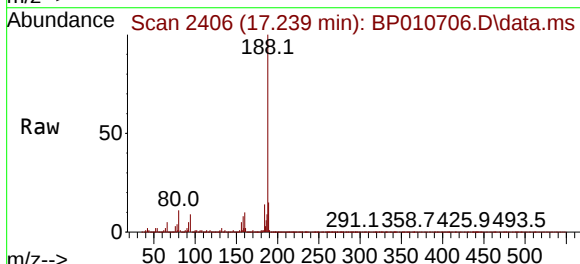
Instrument :
BNA_P
ClientSampleId :
COMP-3DL

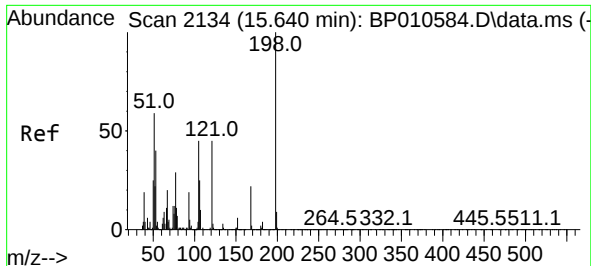
Tgt Ion:138 Resp: 1421
Ion Ratio Lower Upper
138 100
92 7.4 38.0 78.0#
108 19.6 77.6 117.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.239 min Scan# 2406
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

Tgt Ion:188 Resp: 696043
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 10.9 8.0 12.0

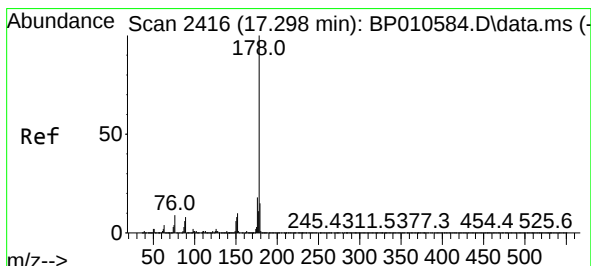
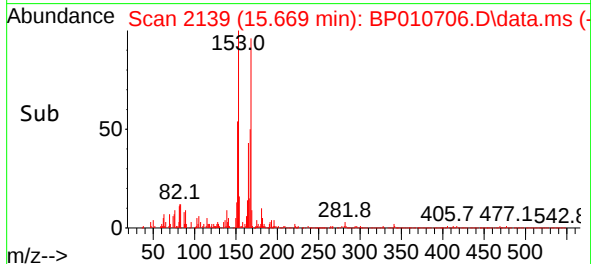
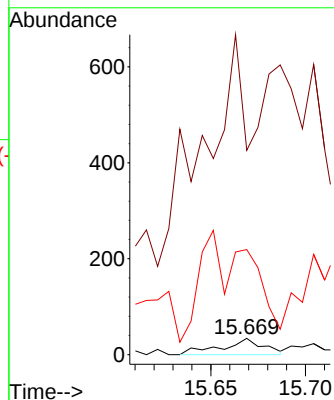
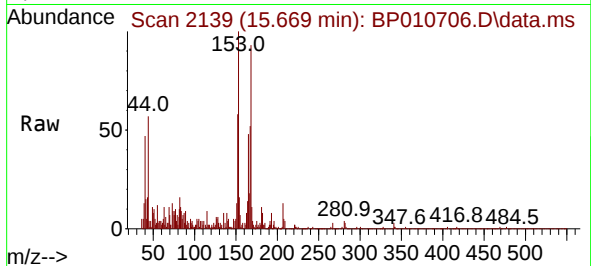




#65
4,6-Dinitro-2-methylphenol
Concen: 4.613 ng
RT: 15.669 min Scan# 2134
Delta R.T. 0.035 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

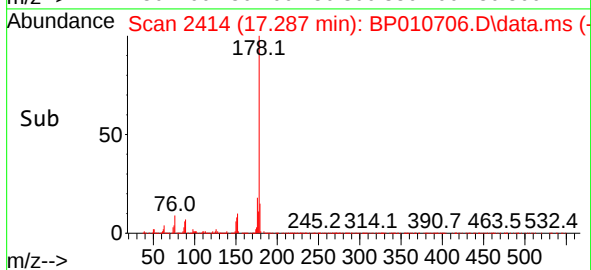
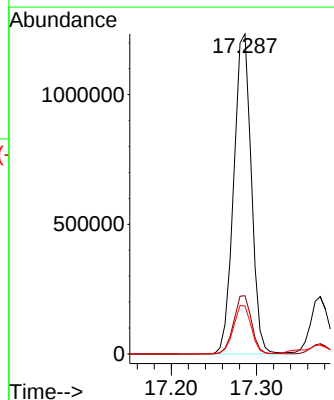
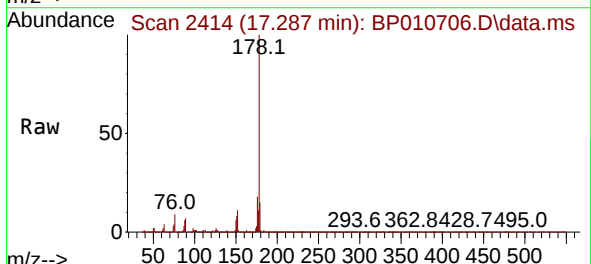
Instrument :
BNA_P
ClientSampleId :
COMP-3DL

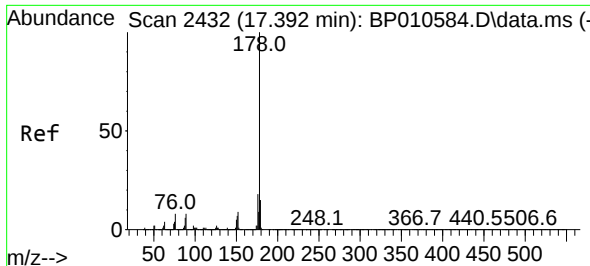
Tgt Ion:198 Resp: 52
Ion Ratio Lower Upper
198 100
51 1252.9 41.2 81.2#
105 644.1 25.3 65.3#



#71
Phenanthrene
Concen: 46.323 ng
RT: 17.287 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

Tgt Ion:178 Resp: 1768182
Ion Ratio Lower Upper
178 100
176 18.2 14.7 22.1
179 15.0 12.2 18.2

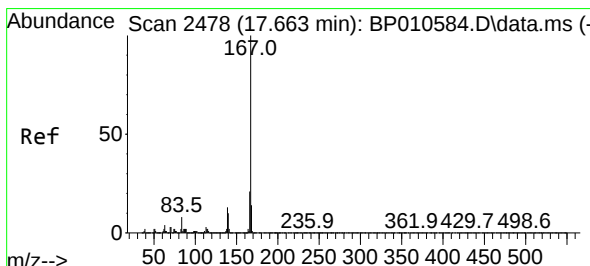
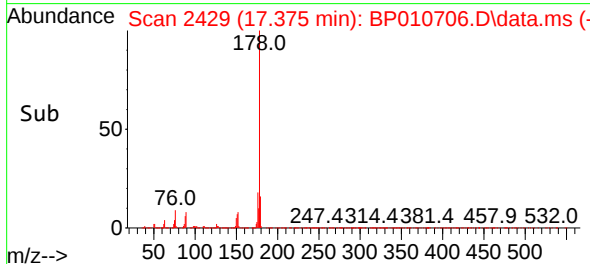
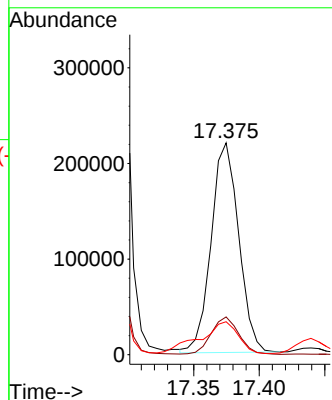
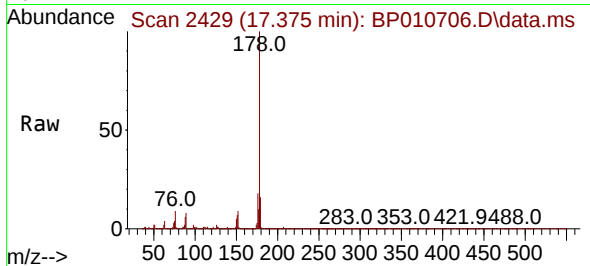




#72
 Anthracene
 Concen: 8.790 ng
 RT: 17.375 min Scan# 2429
 Delta R.T. -0.000 min
 Lab File: BP010706.D
 Acq: 06 Jun 2022 16:52

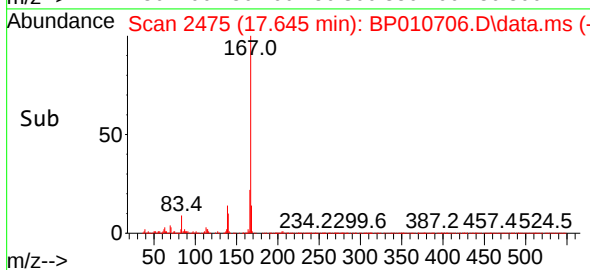
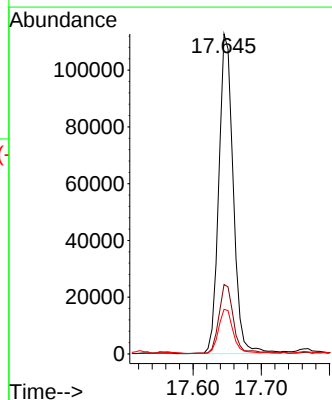
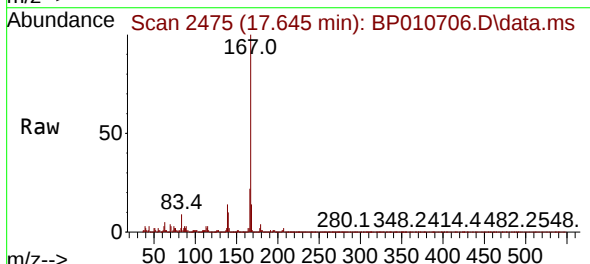
Instrument :
 BNA_P
 ClientSampleId :
 COMP-3DL

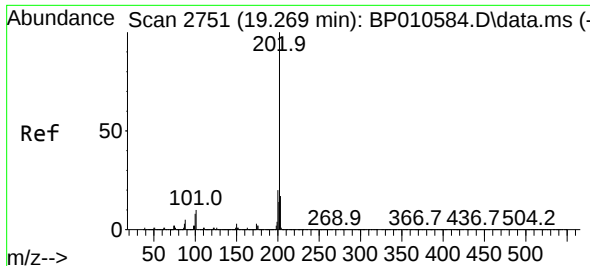
Tgt Ion:178 Resp: 321268
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.5 21.7
 179 15.6 12.2 18.4



#73
 Carbazole
 Concen: 5.336 ng
 RT: 17.645 min Scan# 2475
 Delta R.T. -0.006 min
 Lab File: BP010706.D
 Acq: 06 Jun 2022 16:52

Tgt Ion:167 Resp: 165744
 Ion Ratio Lower Upper
 167 100
 166 21.7 16.9 25.3
 139 13.9 10.6 15.8

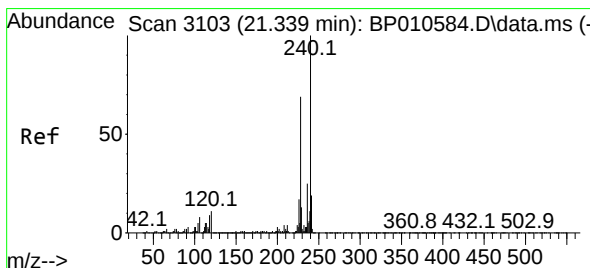
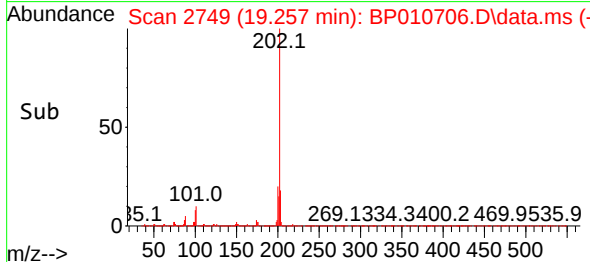
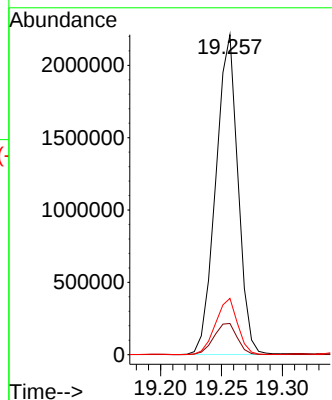
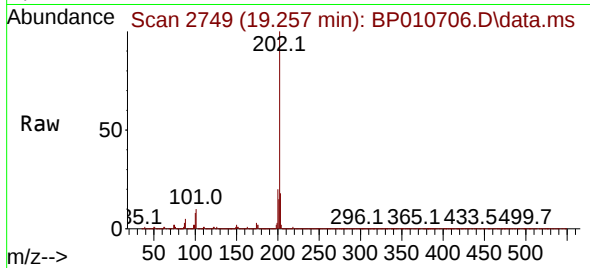




#75
Fluoranthene
Concen: 67.689 ng
RT: 19.257 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

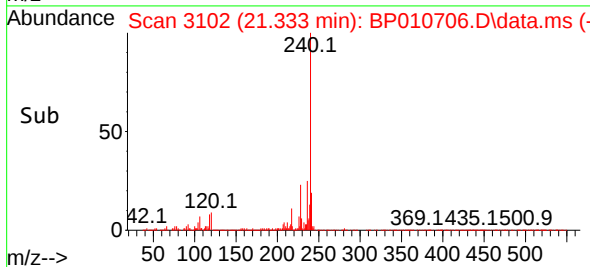
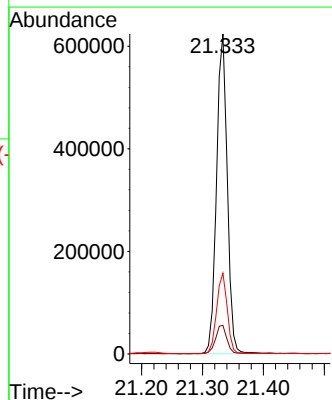
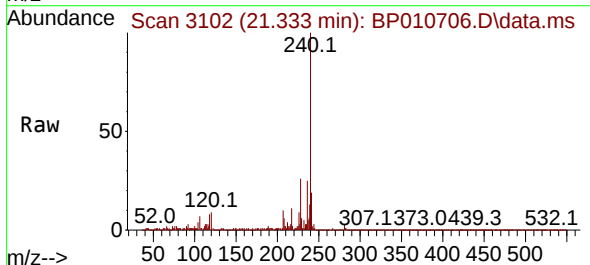
Instrument :
BNA_P
ClientSampleId :
COMP-3DL

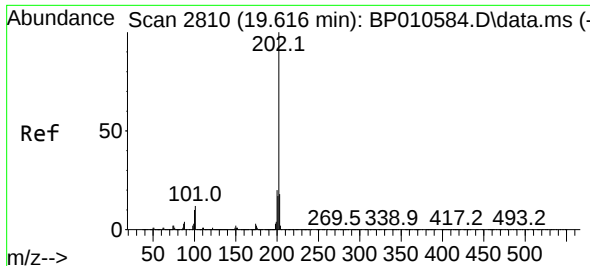
Tgt Ion:202 Resp: 2806330
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.6
203 17.6 0.0 36.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.333 min Scan# 3102
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

Tgt Ion:240 Resp: 763957
Ion Ratio Lower Upper
240 100
120 8.9 8.6 12.8
236 25.3 19.8 29.6

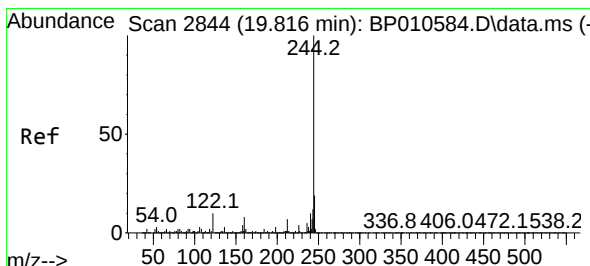
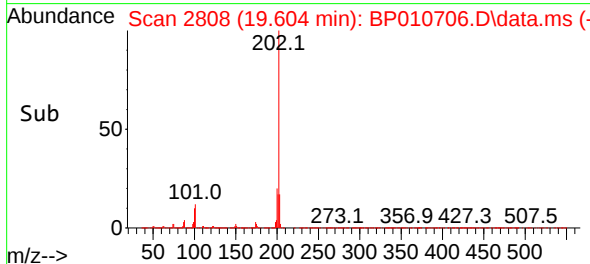
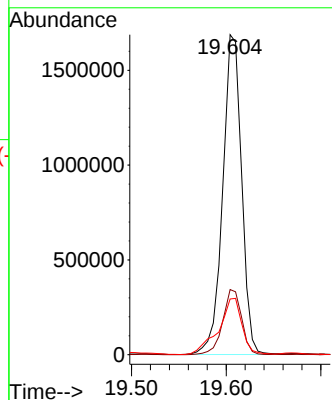
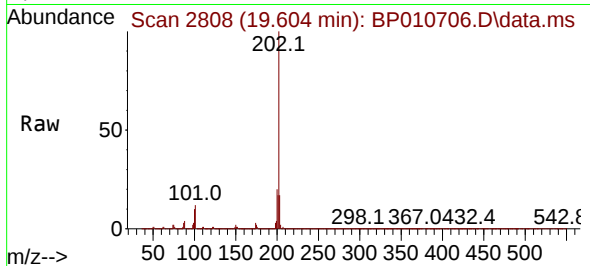




#78
 Pyrene
 Concen: 44.035 ng
 RT: 19.604 min Scan# 2808
 Delta R.T. -0.000 min
 Lab File: BP010706.D
 Acq: 06 Jun 2022 16:52

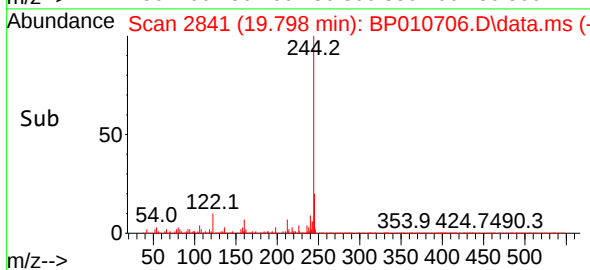
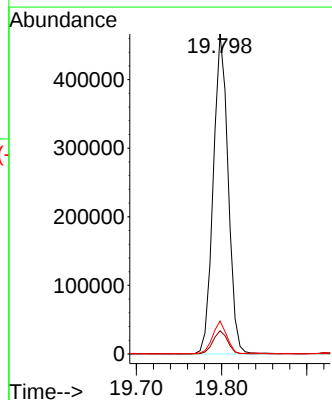
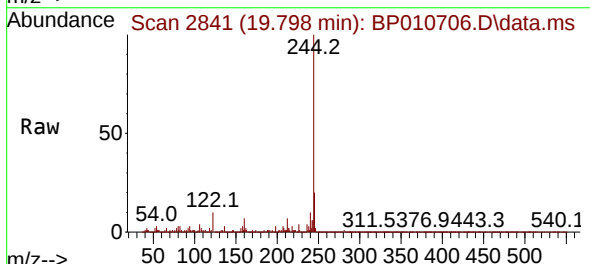
Instrument :
 BNA_P
 ClientSampleId :
 COMP-3DL

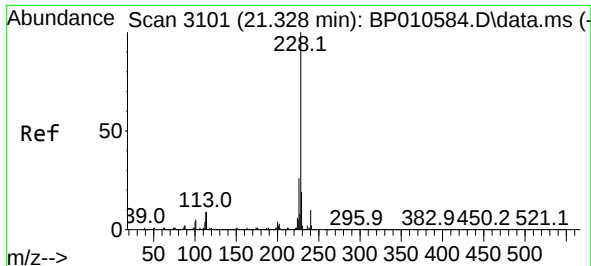
Tgt Ion:202 Resp: 2344403
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.3 24.5
 203 17.4 14.2 21.4



#79
 Terphenyl-d14
 Concen: 13.891 ng
 RT: 19.798 min Scan# 2841
 Delta R.T. -0.006 min
 Lab File: BP010706.D
 Acq: 06 Jun 2022 16:52

Tgt Ion:244 Resp: 564995
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 10.3 7.6 11.4

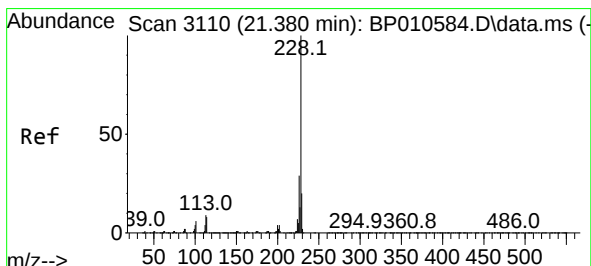
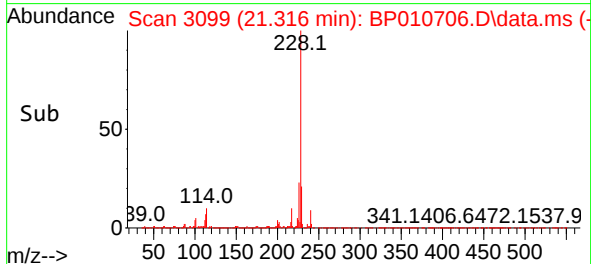
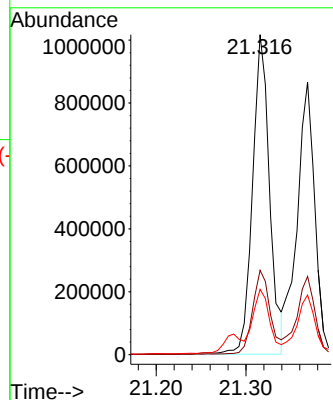
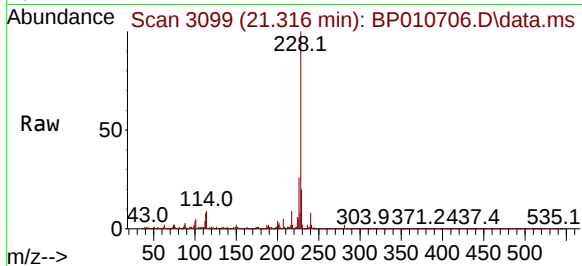




#81
Benzo(a)anthracene
Concen: 26.797 ng
RT: 21.316 min Scan# 3100
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

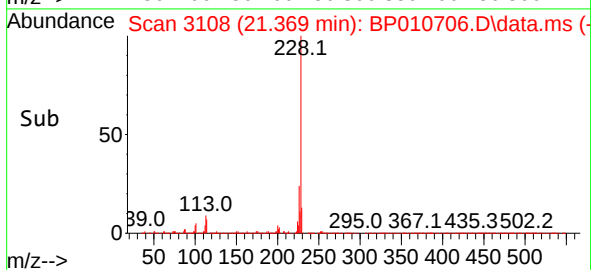
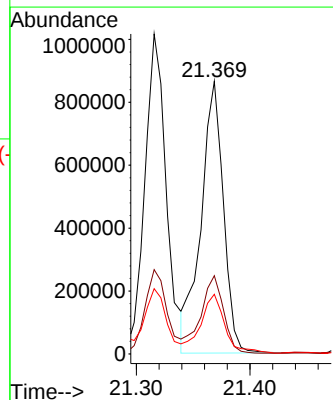
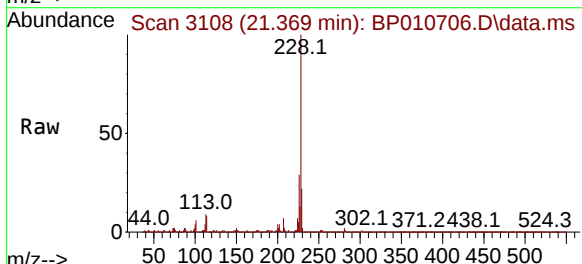
Instrument :
BNA_P
ClientSampleId :
COMP-3DL

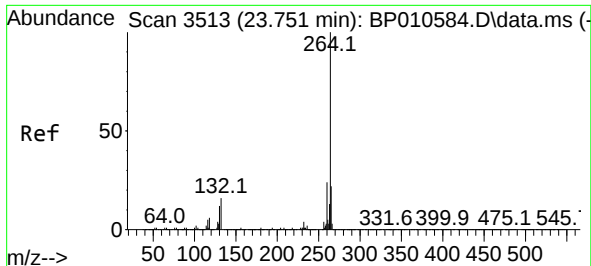
Tgt Ion:228 Resp: 1343197
Ion Ratio Lower Upper
228 100
226 26.3 20.8 31.2
229 20.4 15.2 22.8



#83
Chrysene
Concen: 24.108 ng
RT: 21.369 min Scan# 3108
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

Tgt Ion:228 Resp: 1185240
Ion Ratio Lower Upper
228 100
226 28.7 23.4 35.2
229 21.9 15.7 23.5



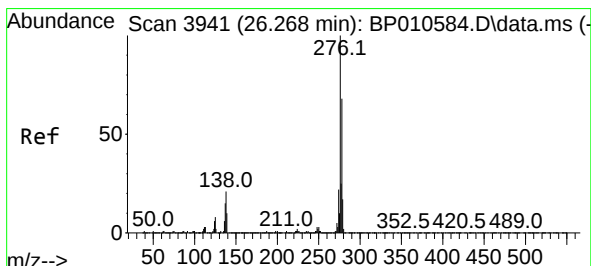
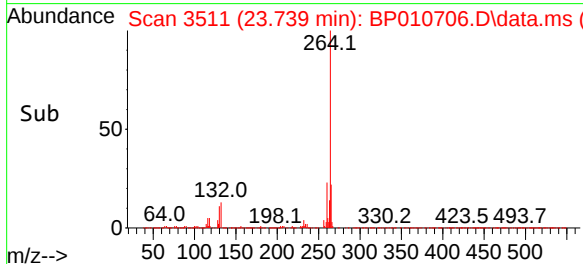
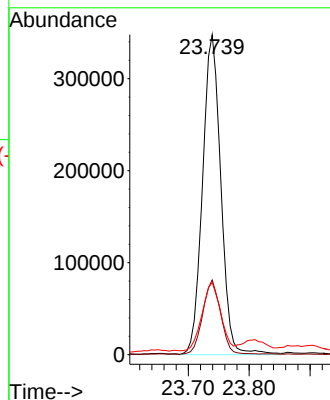
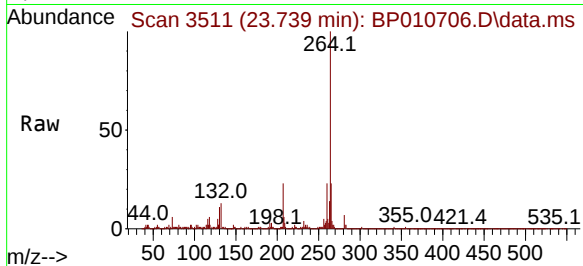


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.739 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

Instrument :
BNA_P
ClientSampleId :
COMP-3DL

Tgt Ion:264 Resp: 727973

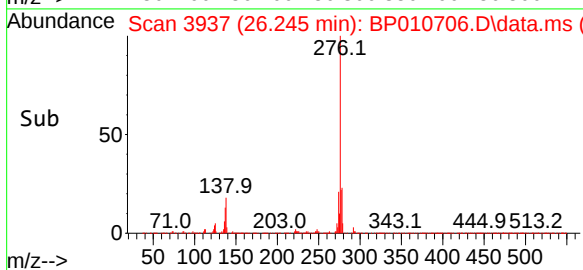
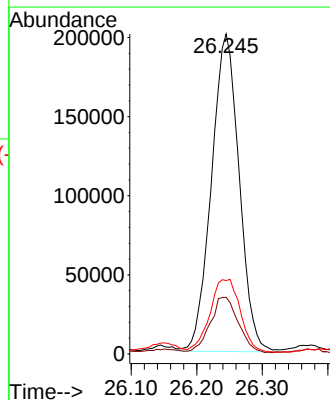
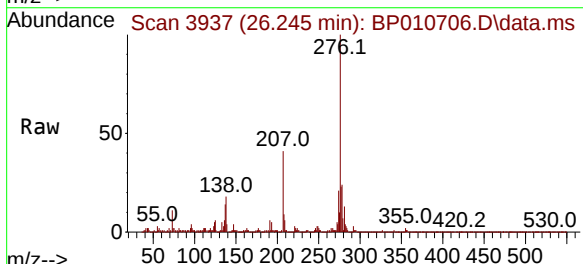
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.3	28.9
265	22.6	18.0	27.0

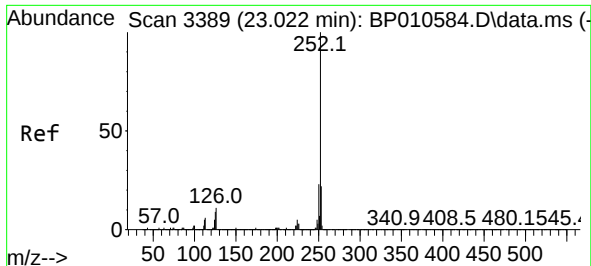


#87
Indeno(1,2,3-cd)pyrene
Concen: 11.110 ng
RT: 26.245 min Scan# 3937
Delta R.T. -0.018 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

Tgt Ion:276 Resp: 589620

Ion	Ratio	Lower	Upper
276	100		
138	17.6	17.5	26.3
277	25.2	20.2	30.4

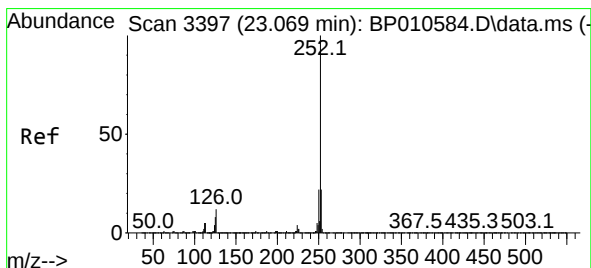
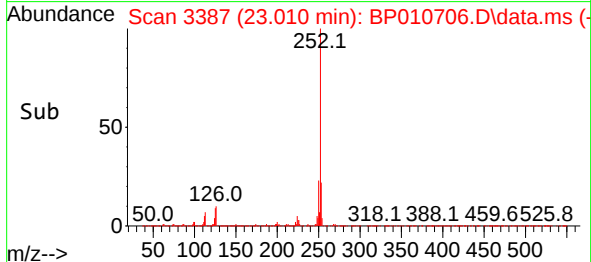
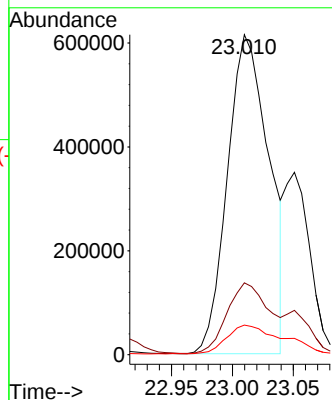
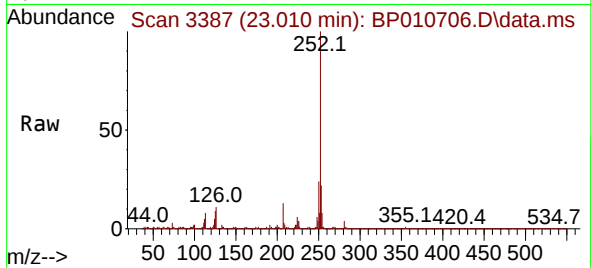




#88
Benzo(b)fluoranthene
Concen: 31.784 ng
RT: 23.010 min Scan# 3387
Delta R.T. -0.000 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

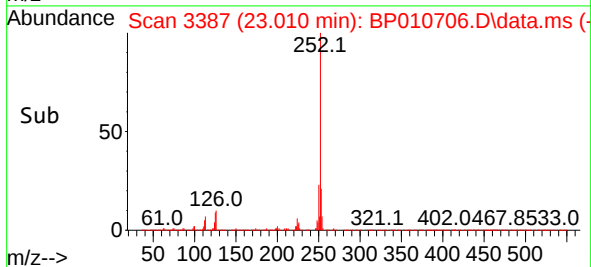
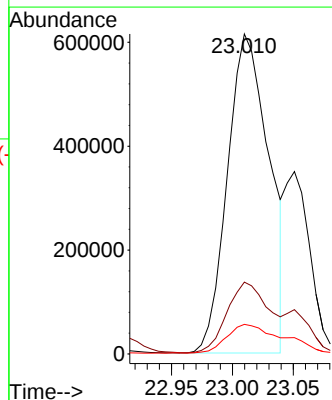
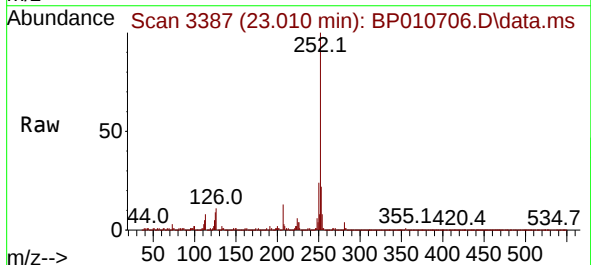
Instrument :
BNA_P
ClientSampleId :
COMP-3DL

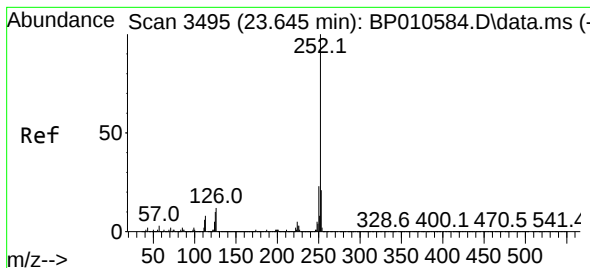
Tgt Ion:252 Resp: 1456803
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 9.3 7.0 10.6



#89
Benzo(k)fluoranthene
Concen: 31.355 ng
RT: 23.010 min Scan# 3387
Delta R.T. -0.047 min
Lab File: BP010706.D
Acq: 06 Jun 2022 16:52

Tgt Ion:252 Resp: 1456803
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 9.3 7.0 10.4





#90

Benzo(a)pyrene

Concen: 25.845 ng

RT: 23.633 min Scan# 3493

Delta R.T. -0.000 min

Lab File: BP010706.D

Acq: 06 Jun 2022 16:52

Instrument :

BNA_P

ClientSampleId :

COMP-3DL

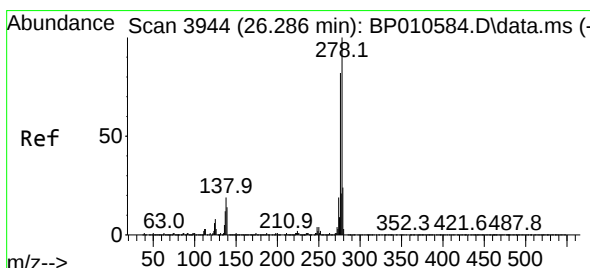
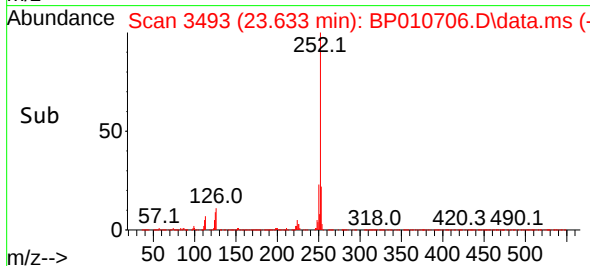
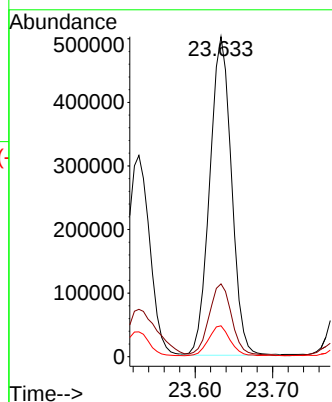
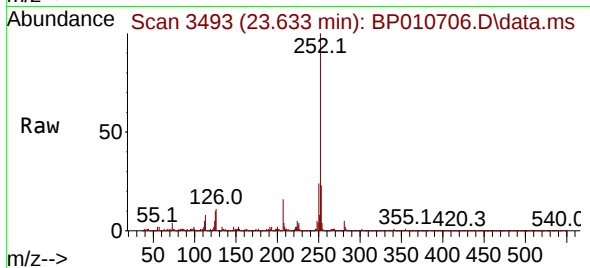
Tgt Ion:252 Resp: 979850

Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.6

125 9.6 7.9 11.9



#91

Dibenzo(a,h)anthracene

Concen: 3.586 ng

RT: 26.245 min Scan# 3937

Delta R.T. -0.024 min

Lab File: BP010706.D

Acq: 06 Jun 2022 16:52

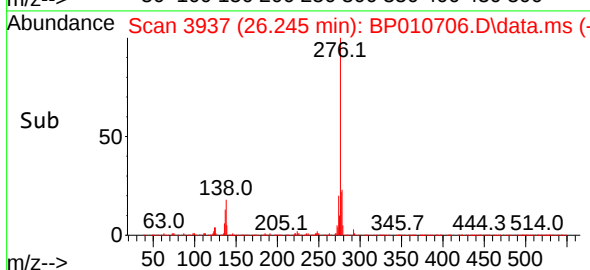
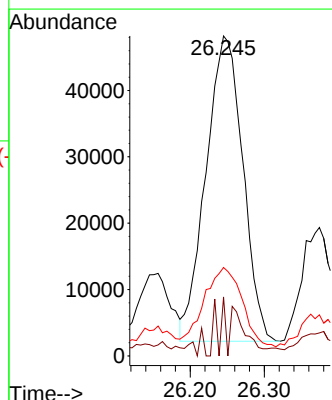
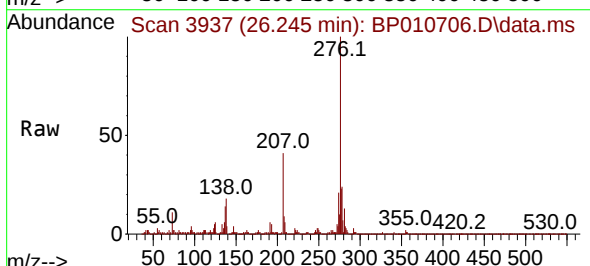
Tgt Ion:278 Resp: 159188

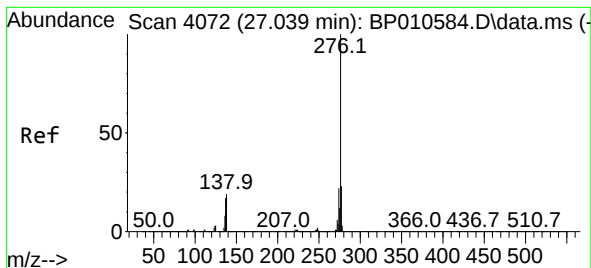
Ion Ratio Lower Upper

278 100

139 18.4 11.4 17.0#

279 27.7 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 12.401 ng

RT: 27.015 min Scan# 4068

Delta R.T. -0.012 min

Lab File: BP010706.D

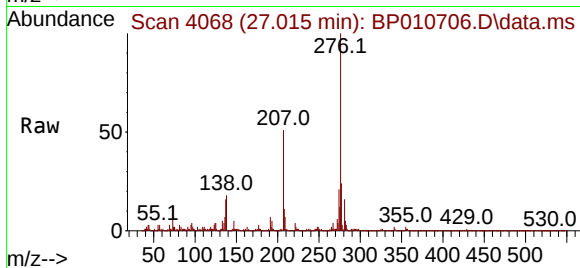
Acq: 06 Jun 2022 16:52

Instrument :

BNA_P

ClientSampleId :

COMP-3DL



Tgt Ion:276 Resp: 547219

Ion Ratio Lower Upper

276 100

277 23.5 18.7 28.1

138 17.5 15.2 22.8

