

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031522\
 Data File : BP009401.D
 Acq On : 15 Mar 2022 16:49
 Operator : CG/JU
 Sample : N1908-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-8-9-1

Quant Time: Mar 16 01:57:05 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 01:55:59 2022
 Response via : Initial Calibration

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

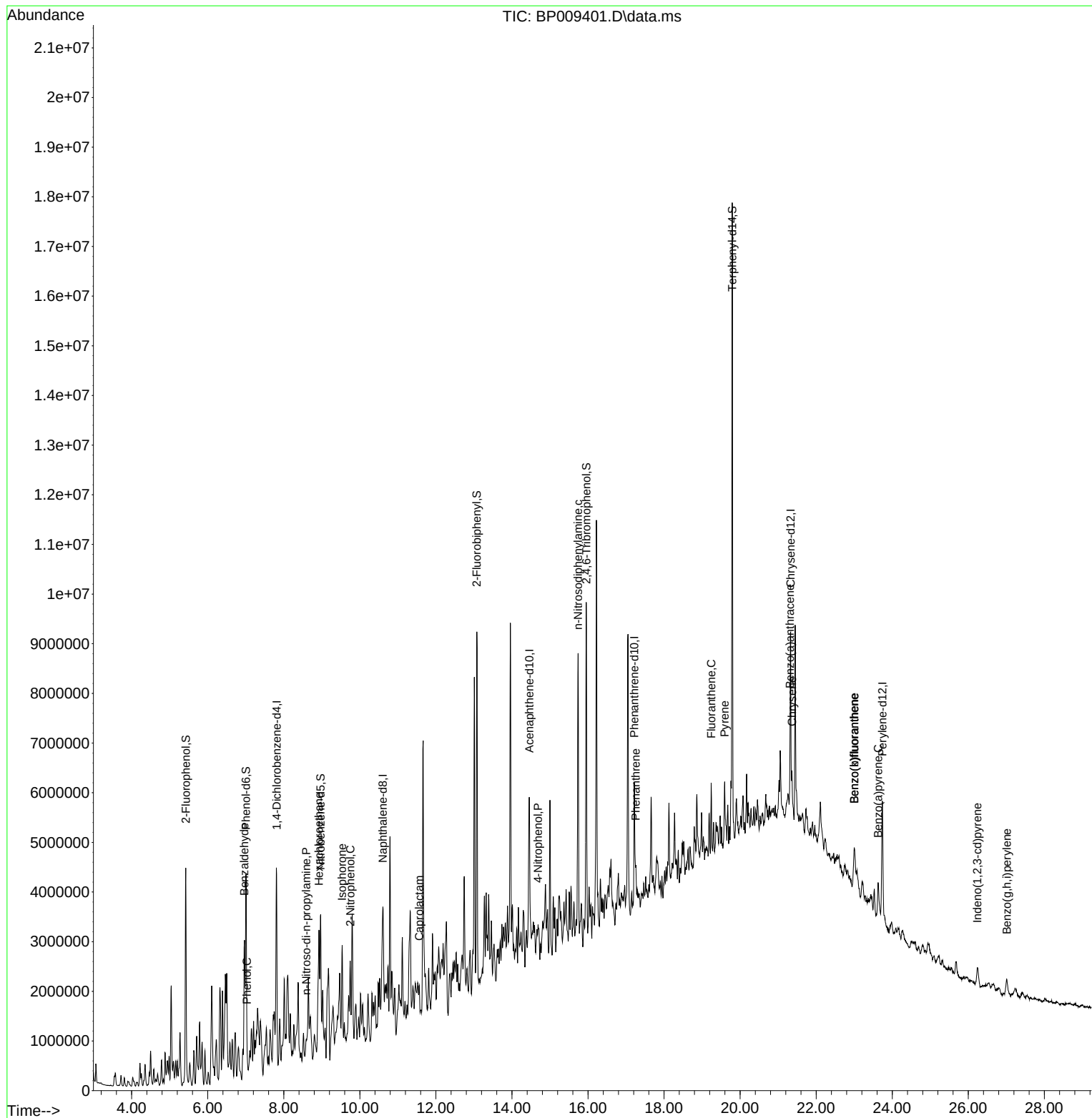
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	320773	20.000	ng	-0.01
21) Naphthalene-d8	10.605	136	1275443	20.000	ng	#-0.01
39) Acenaphthene-d10	14.457	164	839138	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	1727516	20.000	ng	0.00
76) Chrysene-d12	21.328	240	1834649	20.000	ng	0.00
86) Perylene-d12	23.739	264	1966633	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	2129037	96.882	ng	0.01
7) Phenol-d6	7.005	99	2563159	91.783	ng	0.02
23) Nitrobenzene-d5	8.969	82	1706704	73.702	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	1471903	145.264	ng	0.00
45) 2-Fluorobiphenyl	13.075	172	4027755	66.008	ng	-0.01
79) Terphenyl-d14	19.792	244	6823029	70.182	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.964	77	46272	2.601	ng	# 35
10) Phenol	7.034	94	68504	2.369	ng	81
18) Hexachloroethane	8.922	117	76410	8.159	ng	# 1
19) n-Nitroso-di-n-propyla...	8.587	70	64801	3.847	ng	# 73
25) Isophorone	9.534	82	216896	5.007	ng	# 1
26) 2-Nitrophenol	9.752	139	23547	2.477	ng	# 1
35) Caprolactam	11.563	113	15812	2.664	ng	# 1
56) 4-Nitrophenol	14.681	139	31083	2.879	ng	# 1
66) n-Nitrosodiphenylamine	15.734	169	286083	5.276	ng	# 45
71) Phenanthrene	17.257	178	311516	3.138	ng	# 85
75) Fluoranthene	19.239	202	664499	5.799	ng	95
78) Pyrene	19.592	202	810934	6.547	ng	# 95
81) Benzo(a)anthracene	21.310	228	497537	4.001	ng	# 90
83) Chrysene	21.363	228	502143	4.159	ng	# 91
87) Indeno(1,2,3-cd)pyrene	26.239	276	385748	2.525	ng	# 92
88) Benzo(b)fluoranthene	23.004	252	883718	6.655	ng	# 84
89) Benzo(k)fluoranthene	23.004	252	883718	6.966	ng	# 83
90) Benzo(a)pyrene	23.627	252	522526	4.149	ng	# 89
92) Benzo(g,h,i)perylene	27.010	276	450163	3.517	ng	96

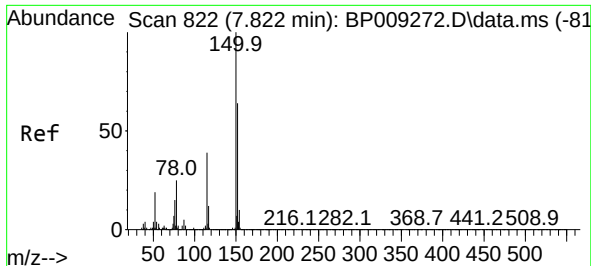
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 05 01:55:59 2022
Response via : Initial Calibration

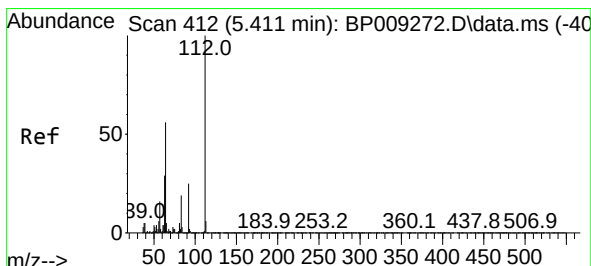
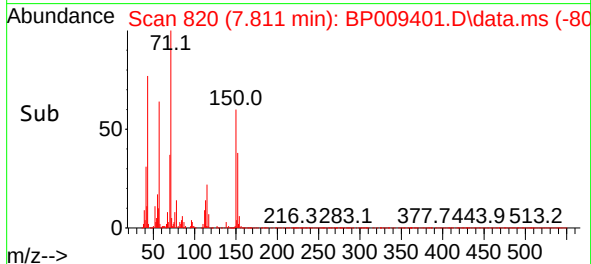
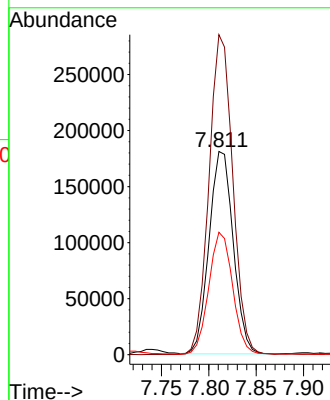
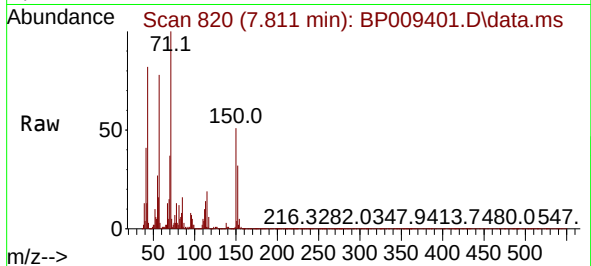




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

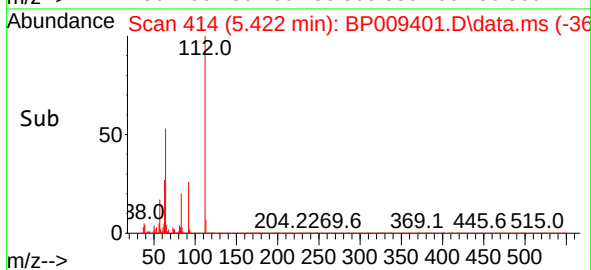
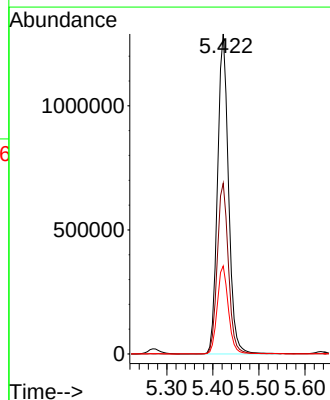
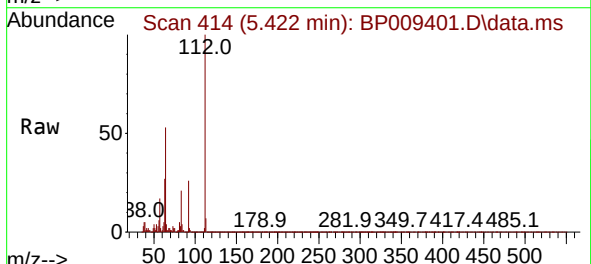
Instrument :
BNA_P
ClientSampleId :
WC-8-9-1

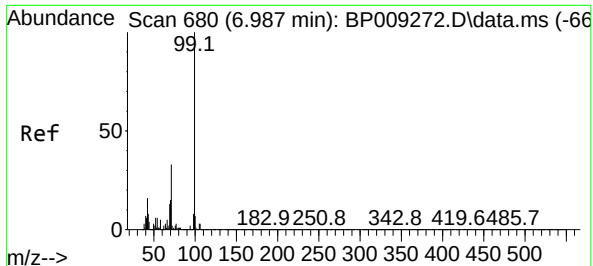
Tgt Ion:152 Resp: 320773
Ion Ratio Lower Upper
152 100
150 157.4 124.5 186.7
115 60.2 48.2 72.4



#5
2-Fluorophenol
Concen: 96.882 ng
RT: 5.422 min Scan# 414
Delta R.T. 0.011 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

Tgt Ion:112 Resp: 2129037
Ion Ratio Lower Upper
112 100
64 53.4 45.0 67.4
63 27.5 23.0 34.6

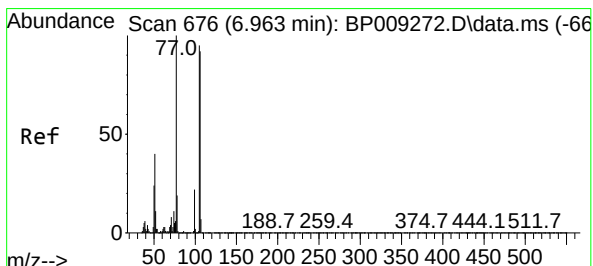
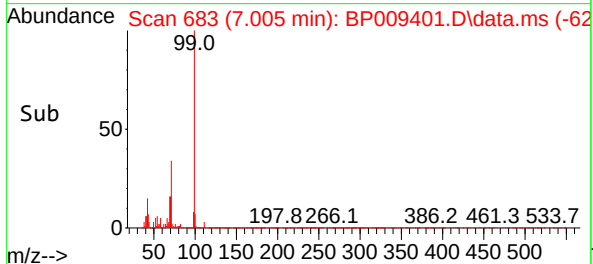
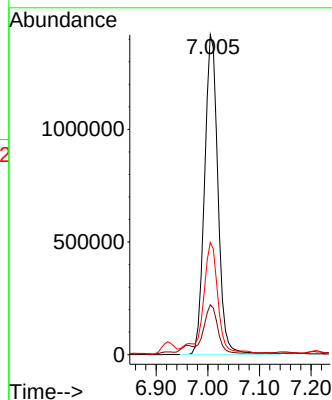
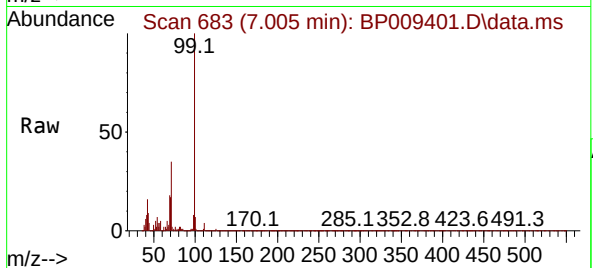




#7
Phenol-d6
Concen: 91.783 ng
RT: 7.005 min Scan# 683
Delta R.T. 0.018 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

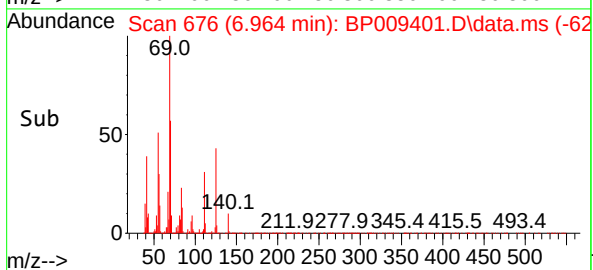
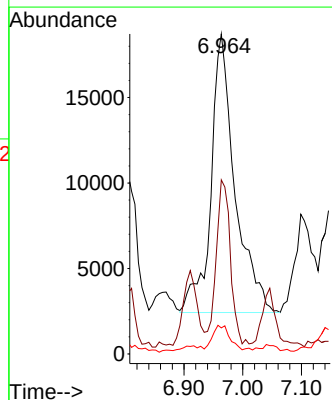
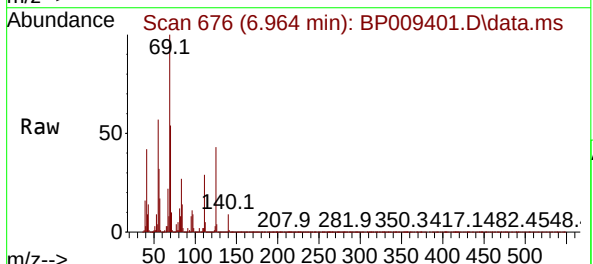
Instrument :
BNA_P
ClientSampleId :
WC-8-9-1

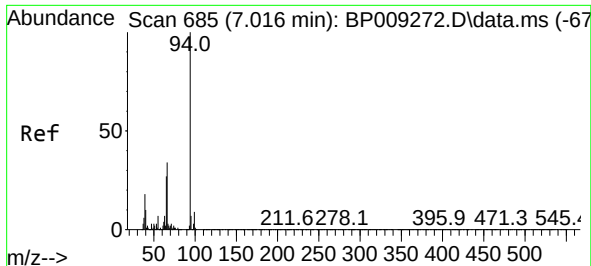
Tgt Ion: 99 Resp: 2563159
Ion Ratio Lower Upper
99 100
42 15.6 12.8 19.2
71 35.1 26.3 39.5



#9
Benzaldehyde
Concen: 2.601 ng
RT: 6.964 min Scan# 676
Delta R.T. 0.001 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

Tgt Ion: 77 Resp: 46272
Ion Ratio Lower Upper
77 100
105 54.4 75.2 115.2#
106 8.2 72.3 112.3#

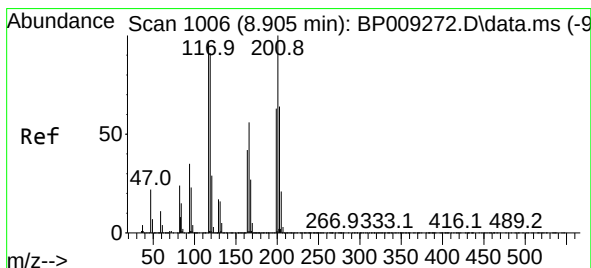
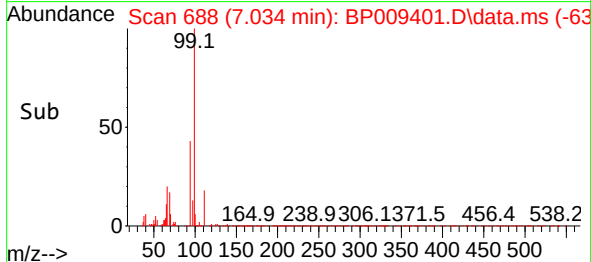
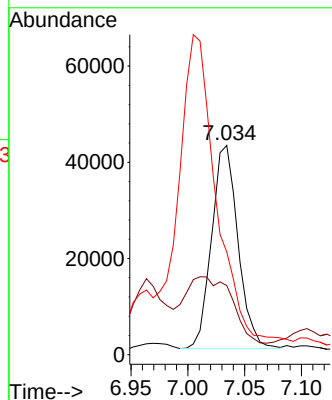
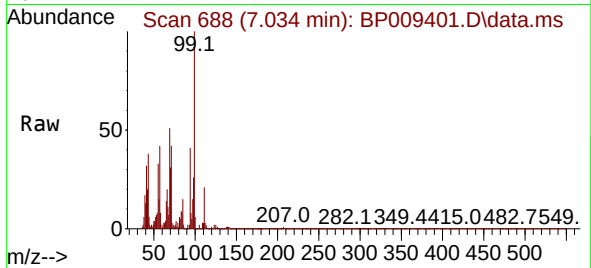




#10
Phenol
Concen: 2.369 ng
RT: 7.034 min Scan# 61
Delta R.T. 0.018 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

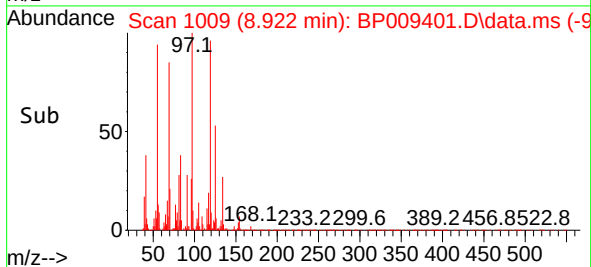
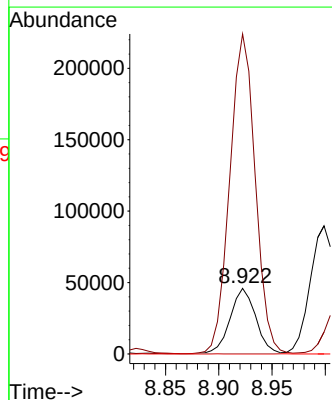
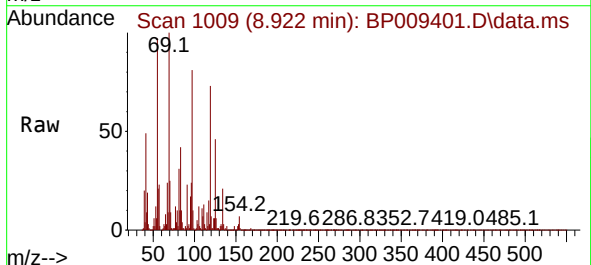
Instrument :
BNA_P
ClientSampleId :
WC-8-9-1

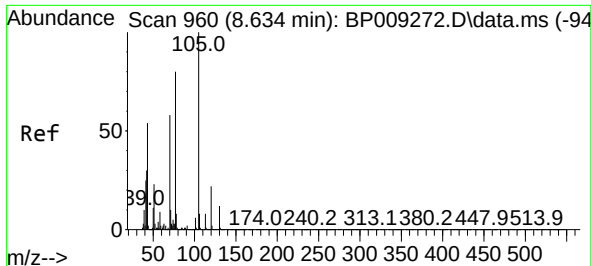
Tgt Ion: 94 Resp: 68504
Ion Ratio Lower Upper
94 100
65 33.0 7.2 47.2
66 49.1 14.3 54.3



#18
Hexachloroethane
Concen: 8.159 ng
RT: 8.922 min Scan# 1009
Delta R.T. 0.018 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

Tgt Ion: 117 Resp: 76410
Ion Ratio Lower Upper
117 100
119 487.4 76.4 114.6#
201 0.1 83.4 125.2#

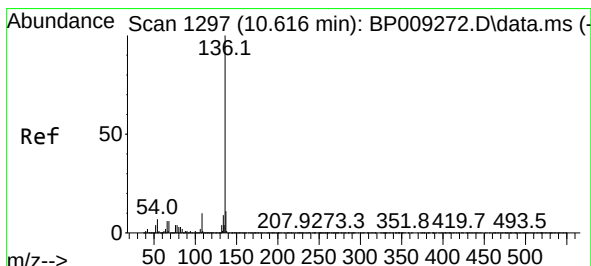
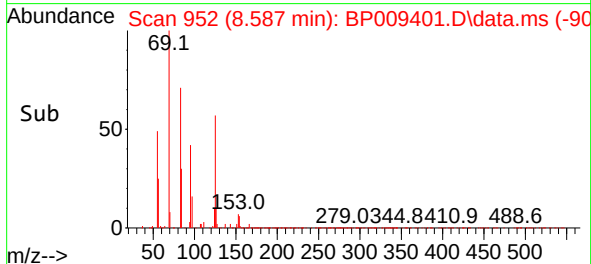
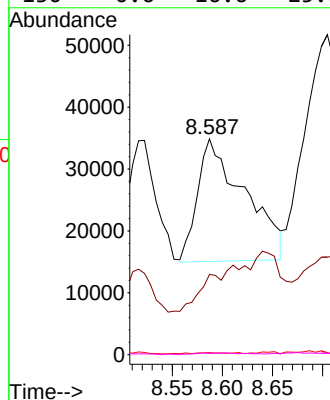
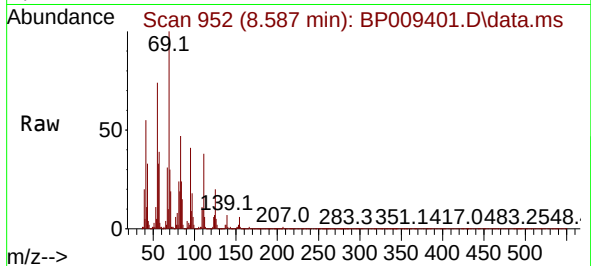




#19
n-Nitroso-di-n-propylamine
Concen: 3.847 ng
RT: 8.587 min Scan# 91
Delta R.T. -0.047 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

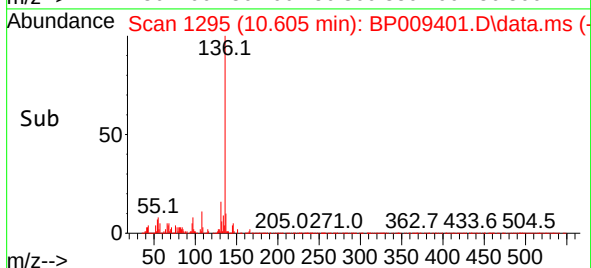
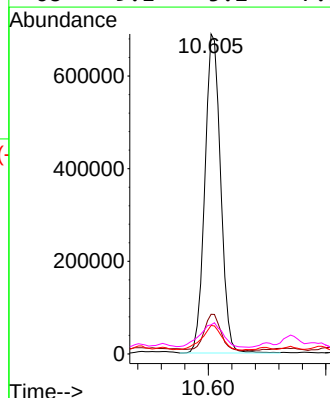
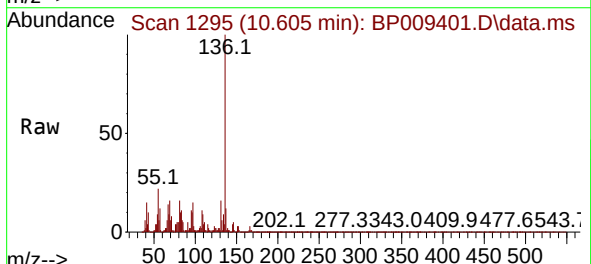
Instrument :
BNA_P
ClientSampleId :
WC-8-9-1

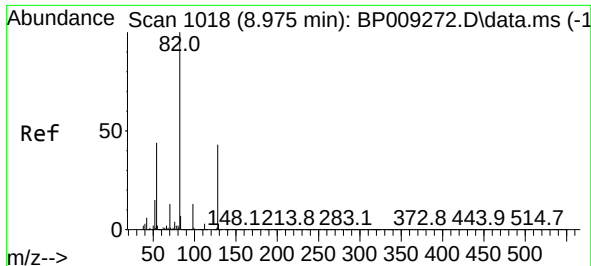
Tgt Ion: 70 Resp: 64801
Ion Ratio Lower Upper
70 100
42 37.1 41.0 61.4#
101 1.0 7.9 11.9#
130 0.6 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.605 min Scan# 1295
Delta R.T. -0.011 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

Tgt Ion: 136 Resp: 1275443
Ion Ratio Lower Upper
136 100
137 12.4 8.6 12.8
54 8.9 5.8 8.8#
68 9.1 5.2 7.8#

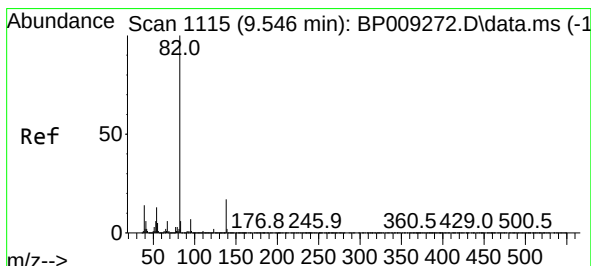
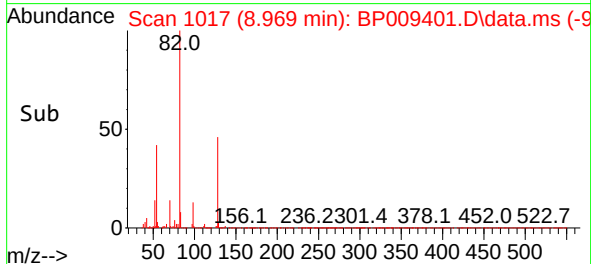
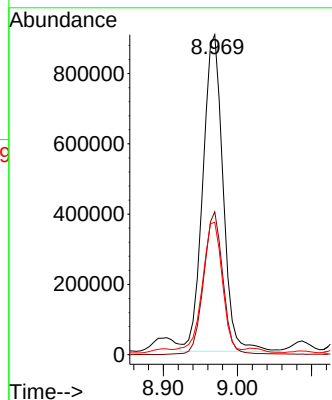
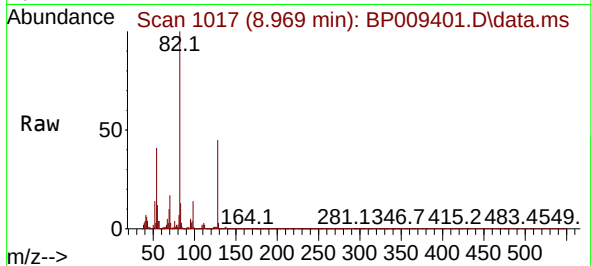




#23
Nitrobenzene-d5
Concen: 73.702 ng
RT: 8.969 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

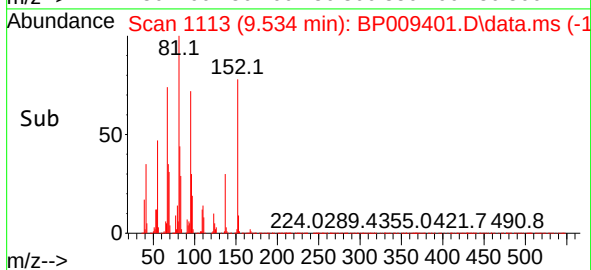
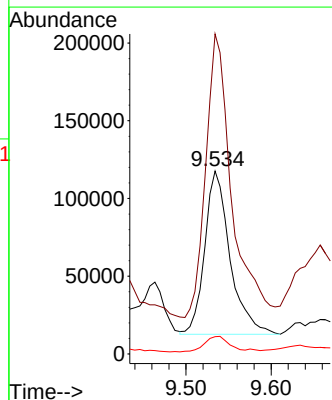
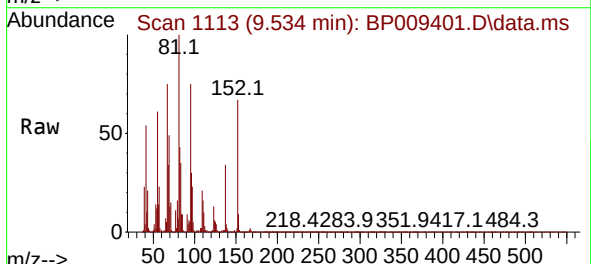
Instrument :
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ClientSampleId :
WC-8-9-1

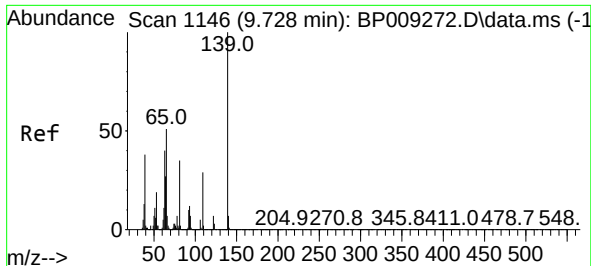
Tgt Ion: 82 Resp: 1706704
Ion Ratio Lower Upper
82 100
128 44.6 34.2 51.4
54 41.4 34.7 52.1



#25
Isophorone
Concen: 5.007 ng
RT: 9.534 min Scan# 1113
Delta R.T. -0.012 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

Tgt Ion: 82 Resp: 216896
Ion Ratio Lower Upper
82 100
95 174.9 5.5 8.3#
138 9.5 13.8 20.8#

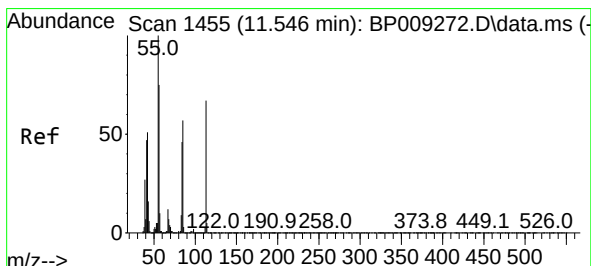
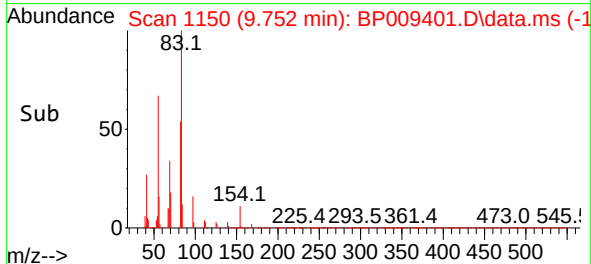
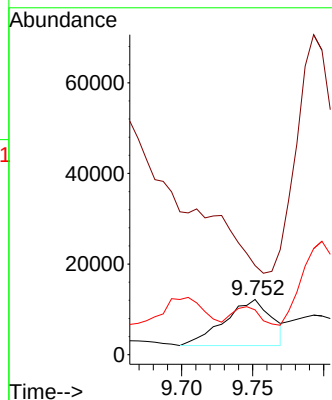
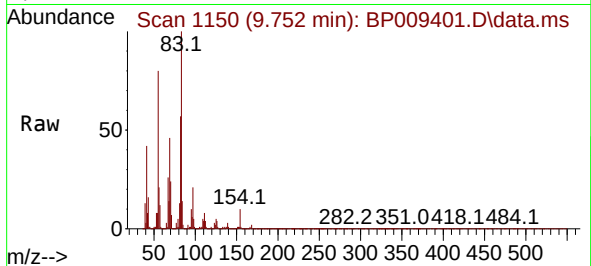




#26
2-Nitrophenol
Concen: 2.477 ng
RT: 9.752 min Scan# 1146
Delta R.T. 0.024 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

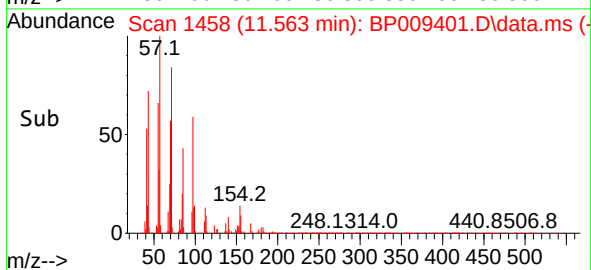
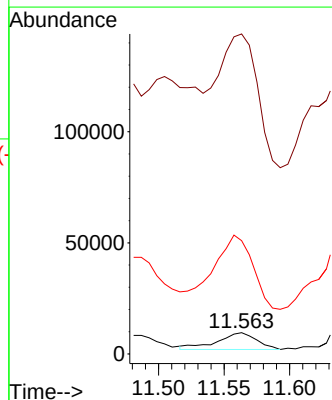
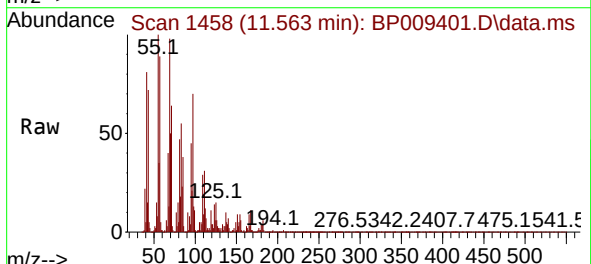
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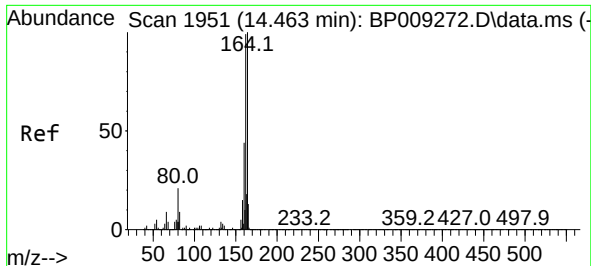
Tgt Ion:139 Resp: 23547
Ion Ratio Lower Upper
139 100
109 161.4 23.4 35.0#
65 81.1 41.0 61.6#



#35
Caprolactam
Concen: 2.664 ng
RT: 11.563 min Scan# 1458
Delta R.T. 0.018 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

Tgt Ion:113 Resp: 15812
Ion Ratio Lower Upper
113 100
55 1502.3 128.4 168.4#
56 531.9 90.9 130.9#

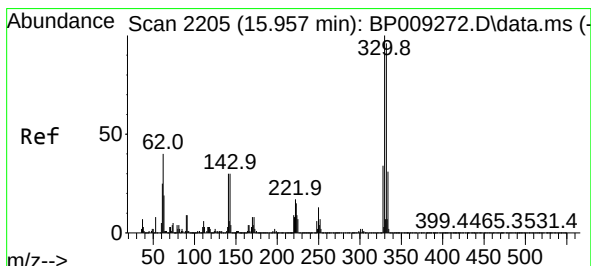
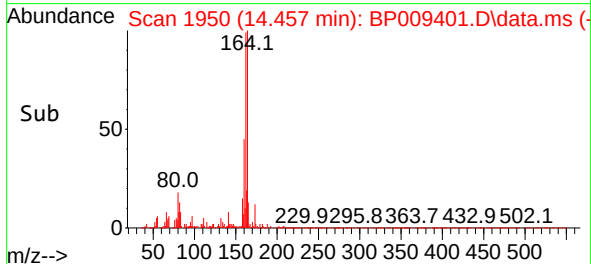
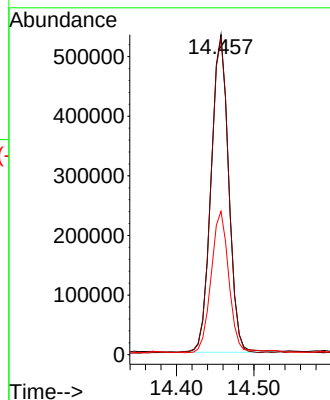
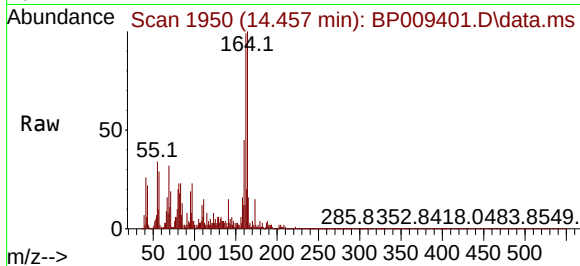




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

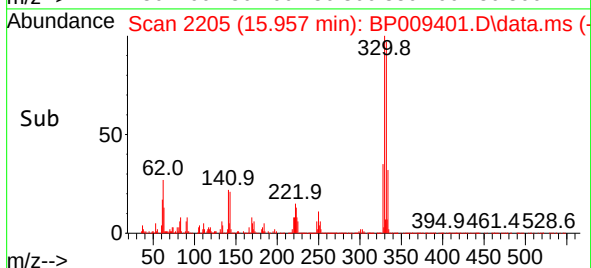
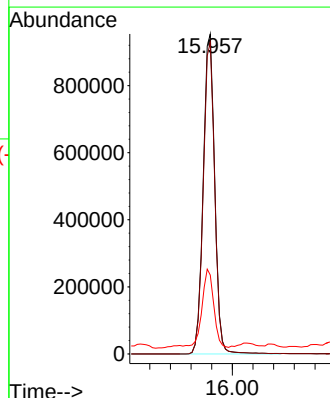
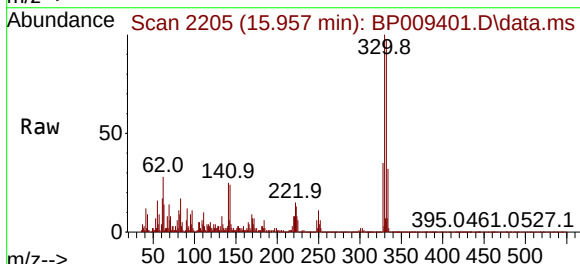
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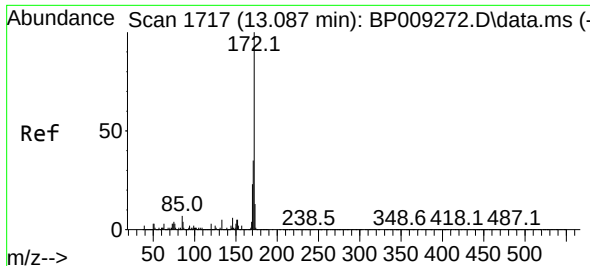
Tgt Ion:164 Resp: 839138
Ion Ratio Lower Upper
164 100
162 98.8 79.1 118.7
160 44.8 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 145.264 ng
RT: 15.957 min Scan# 2205
Delta R.T. 0.000 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

Tgt Ion:330 Resp: 1471903
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.6
141 24.8 27.6 41.4#

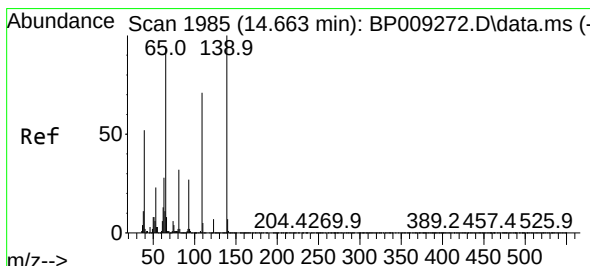
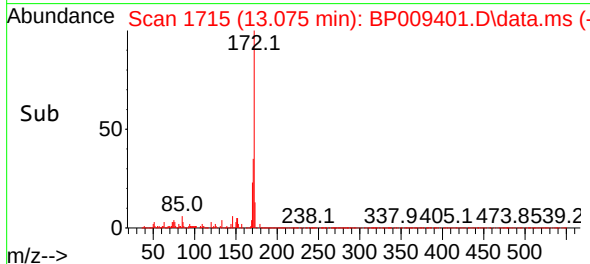
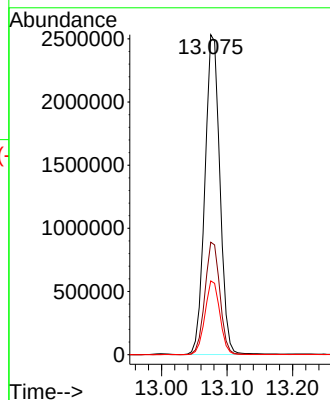
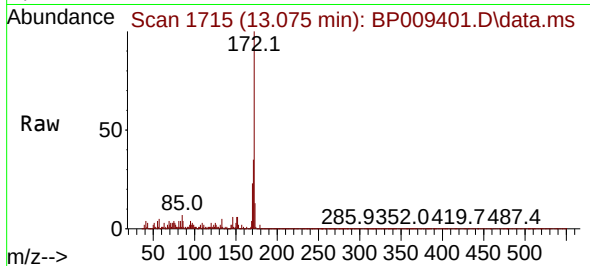




#45
2-Fluorobiphenyl
Concen: 66.008 ng
RT: 13.075 min Scan# 1715
Delta R.T. -0.012 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

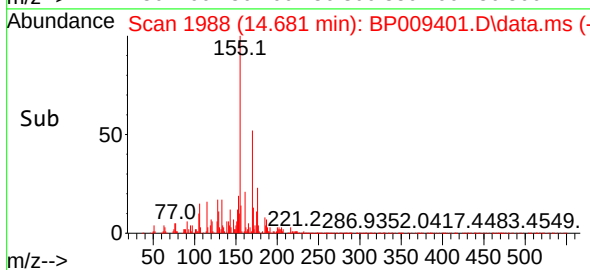
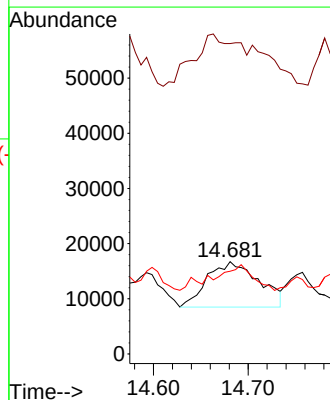
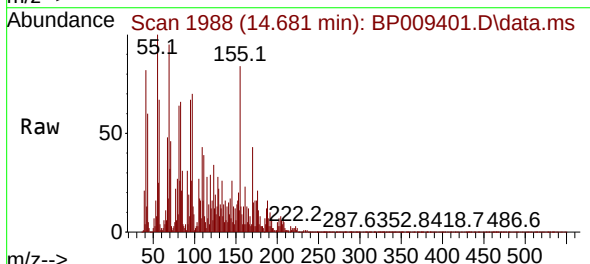
Instrument :
BNA_P
ClientSampleId :
WC-8-9-1

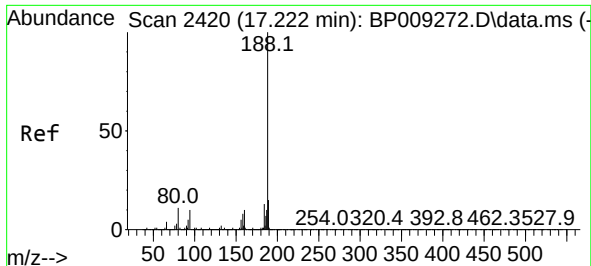
Tgt Ion:172 Resp: 4027755
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 23.0 18.6 27.8



#56
4-Nitrophenol
Concen: 2.879 ng
RT: 14.681 min Scan# 1988
Delta R.T. 0.018 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

Tgt Ion:139 Resp: 31083
Ion Ratio Lower Upper
139 100
109 336.2 51.2 91.2#
65 89.6 73.2 113.2

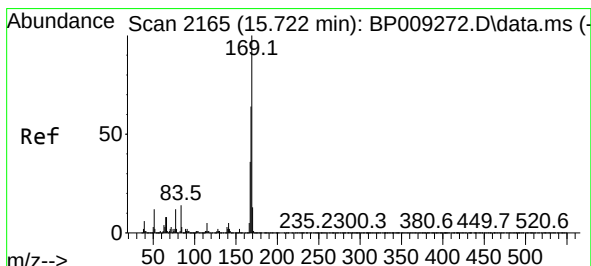
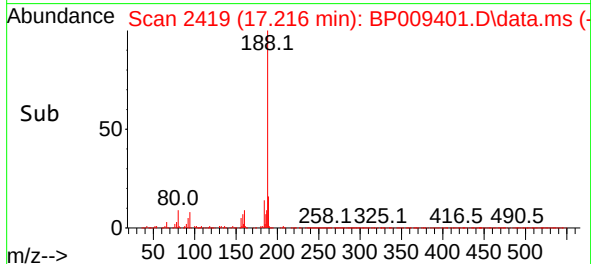
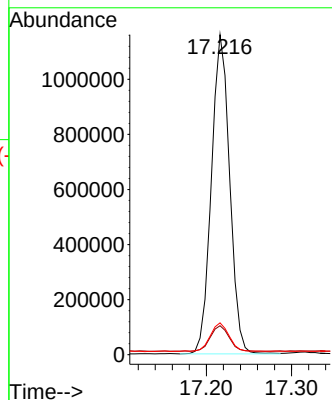
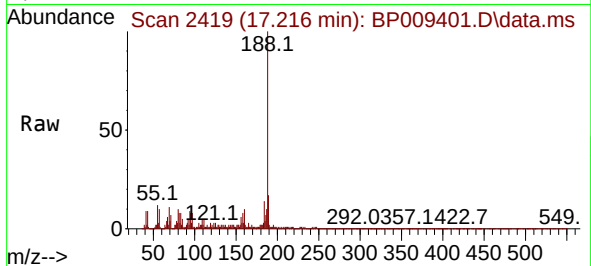




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2420
Delta R.T. -0.006 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

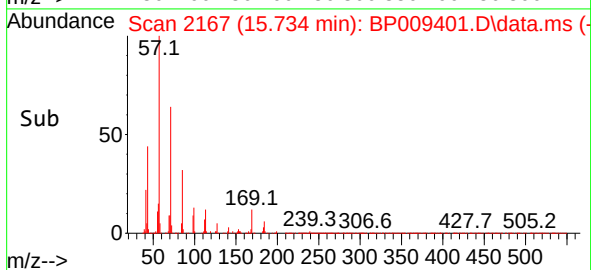
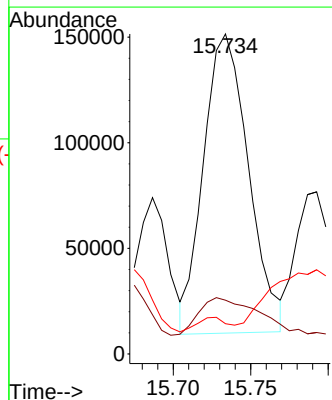
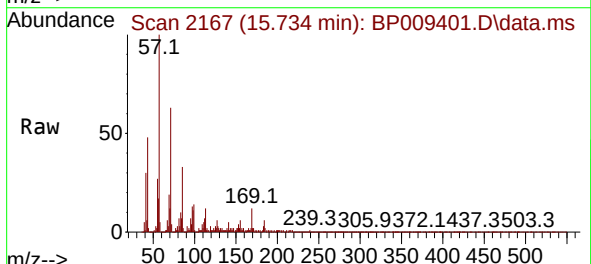
Instrument :
BNA_P
ClientSampleId :
WC-8-9-1

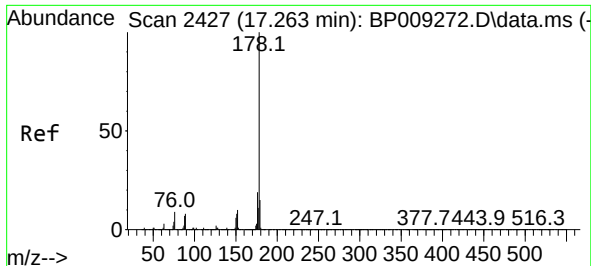
Tgt Ion:188 Resp: 1727516
Ion Ratio Lower Upper
188 100
94 9.0 7.9 11.9
80 10.0 8.8 13.2



#66
n-Nitrosodiphenylamine
Concen: 5.276 ng
RT: 15.734 min Scan# 2167
Delta R.T. 0.012 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

Tgt Ion:169 Resp: 286083
Ion Ratio Lower Upper
169 100
168 16.8 51.6 77.4#
167 9.5 29.0 43.4#

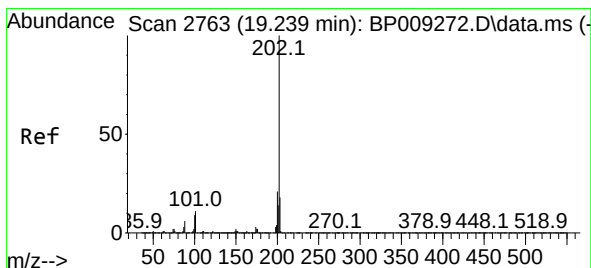
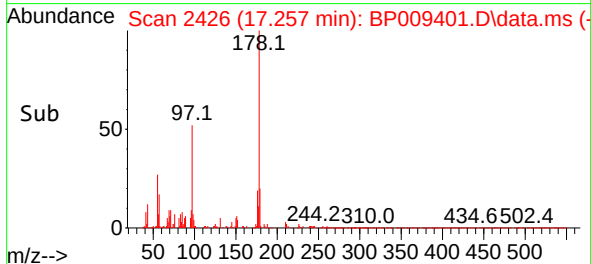
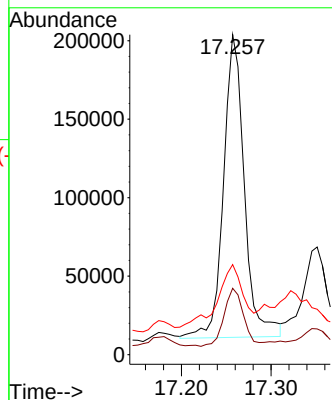
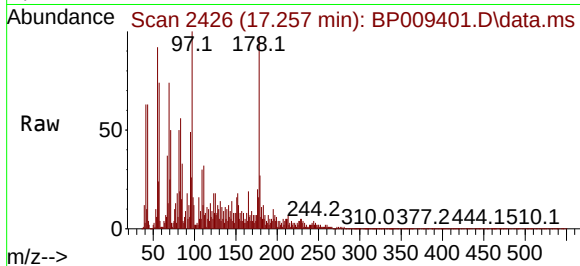




#71
Phenanthrene
Concen: 3.138 ng
RT: 17.257 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

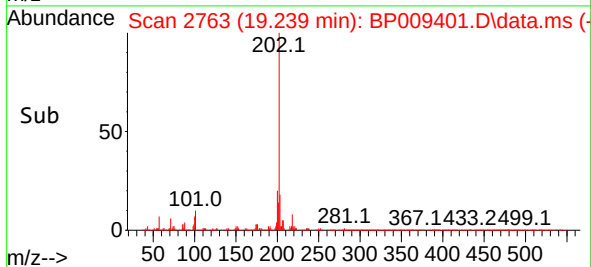
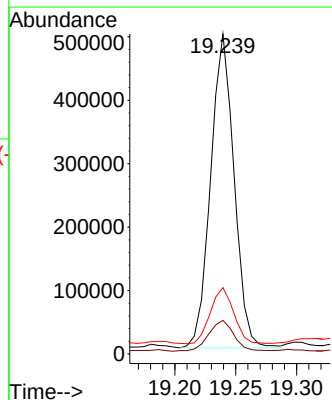
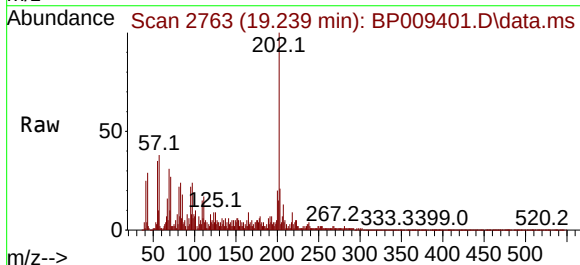
Instrument :
BNA_P
ClientSampleId :
WC-8-9-1

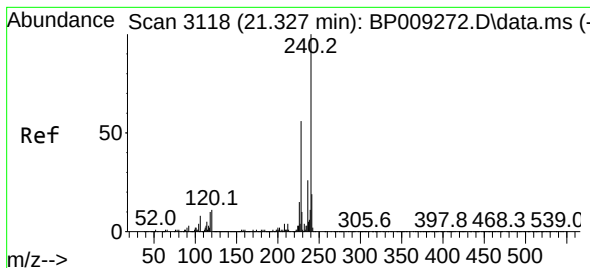
Tgt Ion:178 Resp: 311516
Ion Ratio Lower Upper
178 100
176 20.8 15.4 23.2
179 28.2 12.3 18.5#



#75
Fluoranthene
Concen: 5.799 ng
RT: 19.239 min Scan# 2763
Delta R.T. 0.000 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

Tgt Ion:202 Resp: 664499
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.5
203 20.7 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.328 min Scan# 3118

Delta R.T. 0.000 min

Lab File: BP009401.D

Acq: 15 Mar 2022 16:49

Instrument :

BNA_P

ClientSampleId :

WC-8-9-1

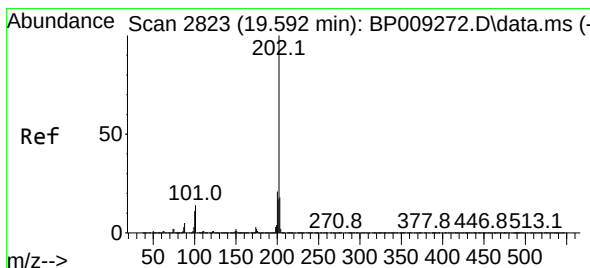
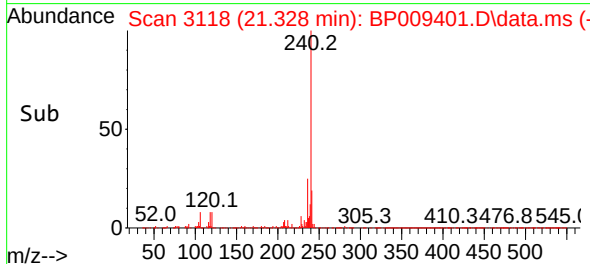
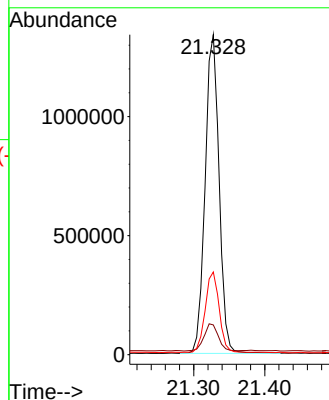
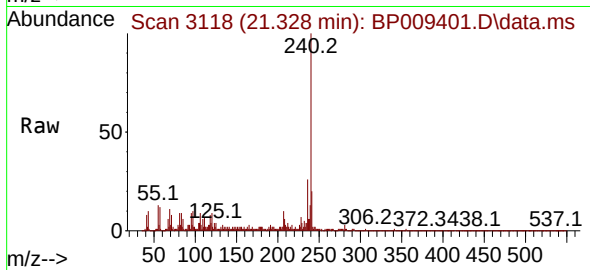
Tgt Ion:240 Resp: 1834649

Ion Ratio Lower Upper

240 100

120 9.3 9.0 13.4

236 25.8 20.6 30.8



#78

Pyrene

Concen: 6.547 ng

RT: 19.592 min Scan# 2823

Delta R.T. 0.000 min

Lab File: BP009401.D

Acq: 15 Mar 2022 16:49

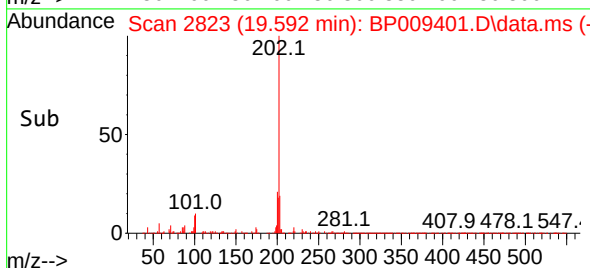
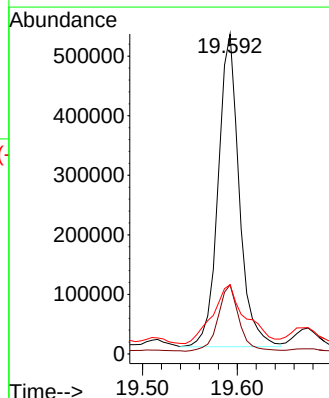
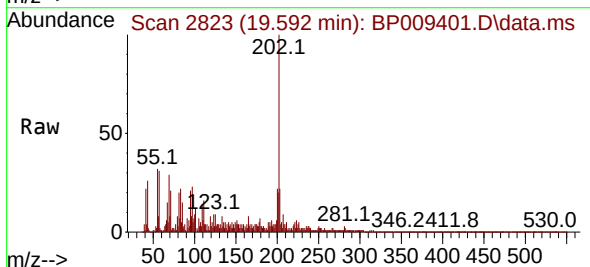
Tgt Ion:202 Resp: 810934

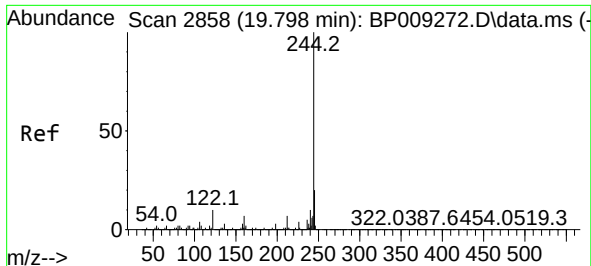
Ion Ratio Lower Upper

202 100

200 21.6 16.8 25.2

203 21.7 14.2 21.4#

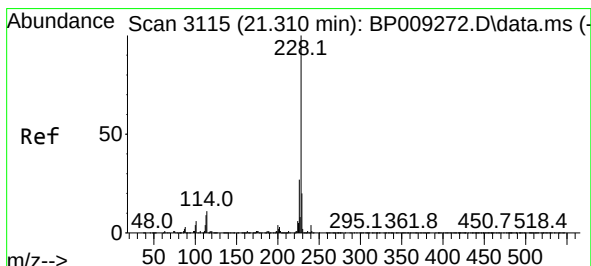
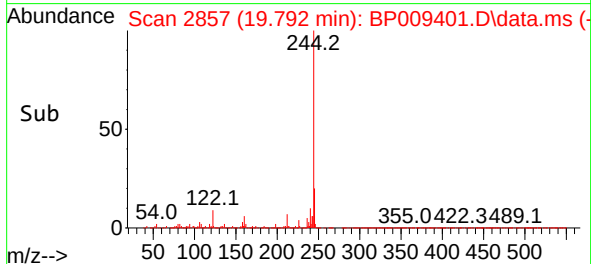
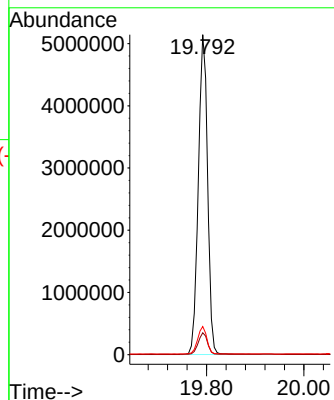
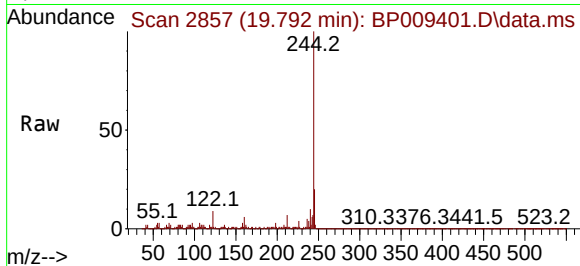




#79
 Terphenyl-d14
 Concen: 70.182 ng
 RT: 19.792 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009401.D
 Acq: 15 Mar 2022 16:49

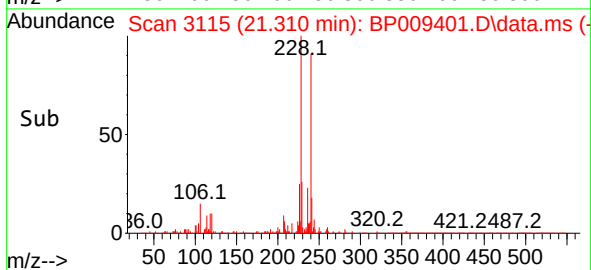
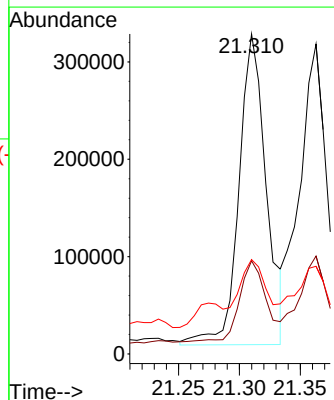
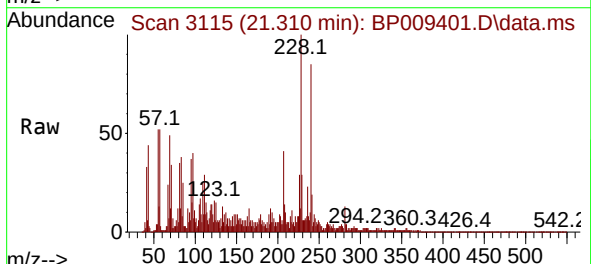
Instrument :
 BNA_P
 ClientSampleId :
 WC-8-9-1

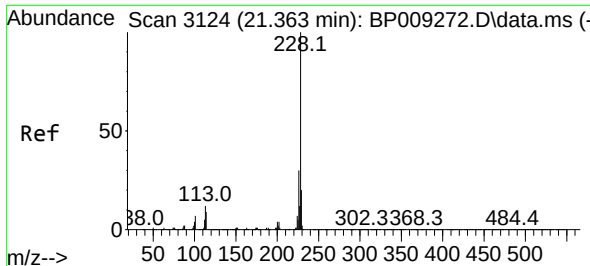
Tgt Ion:244 Resp: 6823029
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 8.8 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 4.001 ng
 RT: 21.310 min Scan# 3115
 Delta R.T. 0.000 min
 Lab File: BP009401.D
 Acq: 15 Mar 2022 16:49

Tgt Ion:228 Resp: 497537
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.0 33.0
 229 29.5 16.1 24.1#

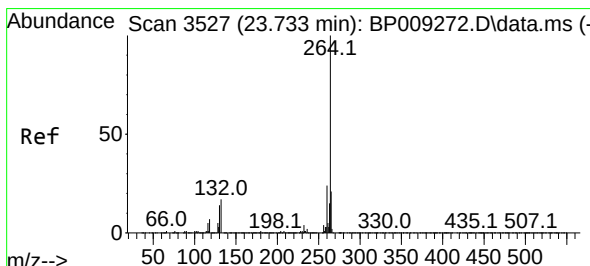
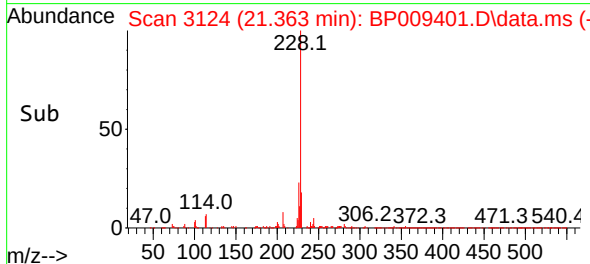
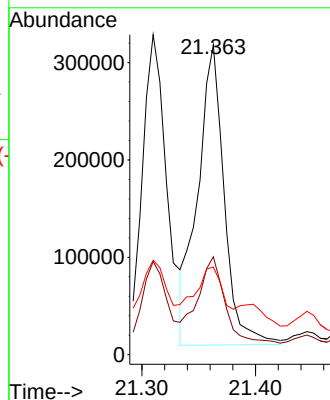
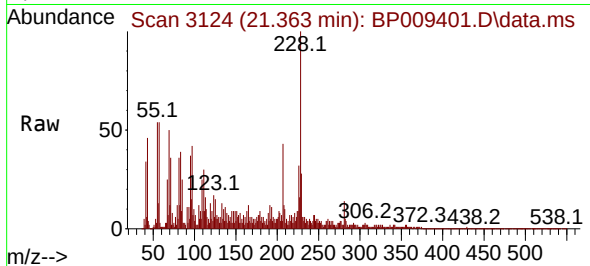




#83
Chrysene
Concen: 4.159 ng
RT: 21.363 min Scan# 3124
Delta R.T. 0.000 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

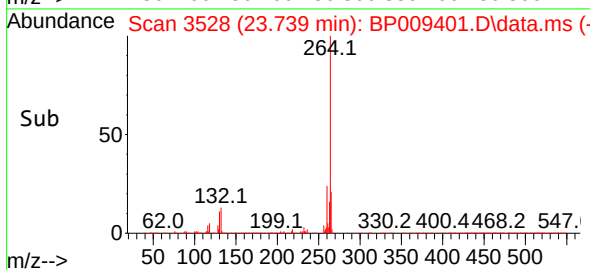
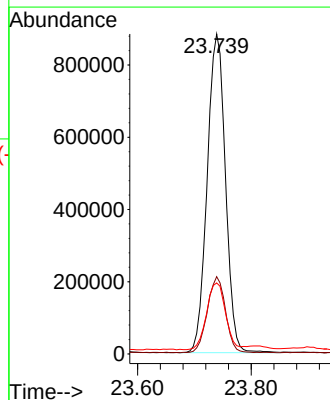
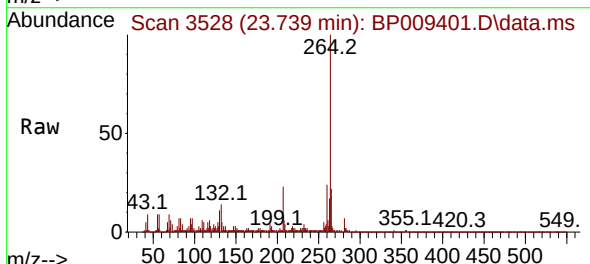
Instrument :
BNA_P
ClientSampleId :
WC-8-9-1

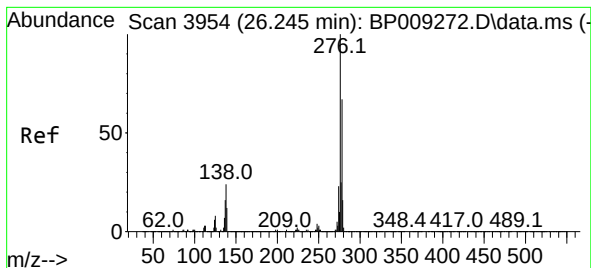
Tgt Ion:228 Resp: 502143
Ion Ratio Lower Upper
228 100
226 31.6 24.2 36.2
229 28.3 16.1 24.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.739 min Scan# 3528
Delta R.T. 0.006 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

Tgt Ion:264 Resp: 1966633
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.0
265 22.2 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.525 ng

RT: 26.239 min Scan# 3953

Delta R.T. -0.006 min

Lab File: BP009401.D

Acq: 15 Mar 2022 16:49

Instrument :

BNA_P

ClientSampleId :

WC-8-9-1

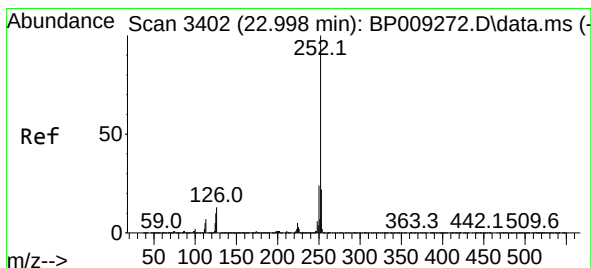
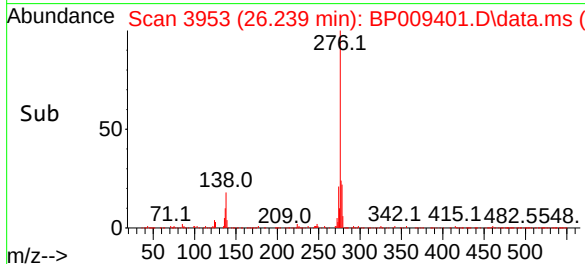
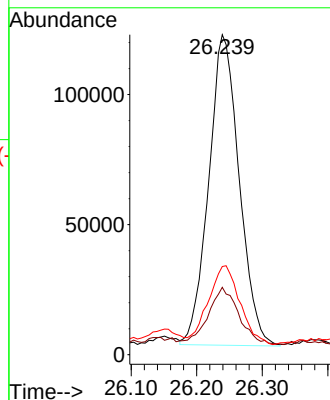
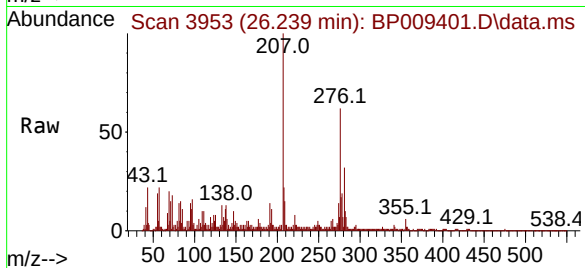
Tgt Ion:276 Resp: 385748

Ion Ratio Lower Upper

276 100

138 18.6 20.5 30.7#

277 26.7 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 6.655 ng

RT: 23.004 min Scan# 3403

Delta R.T. 0.006 min

Lab File: BP009401.D

Acq: 15 Mar 2022 16:49

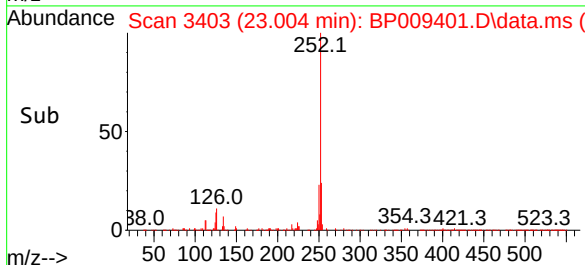
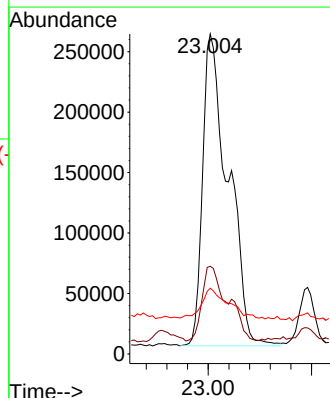
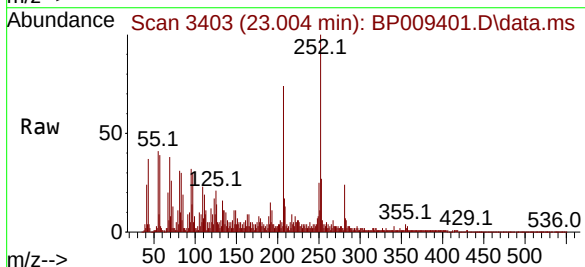
Tgt Ion:252 Resp: 883718

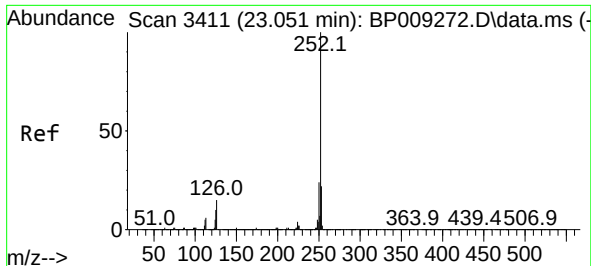
Ion Ratio Lower Upper

252 100

253 27.4 17.8 26.8#

125 20.6 8.1 12.1#

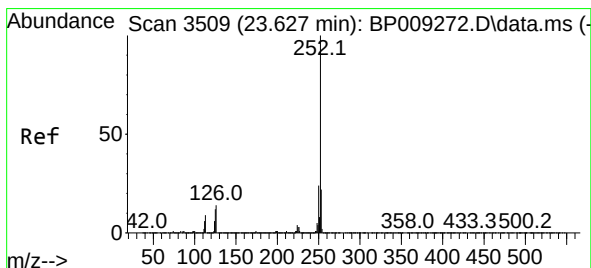
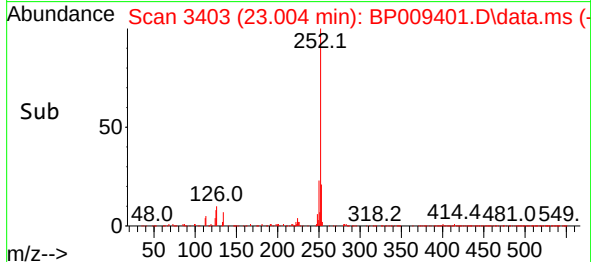
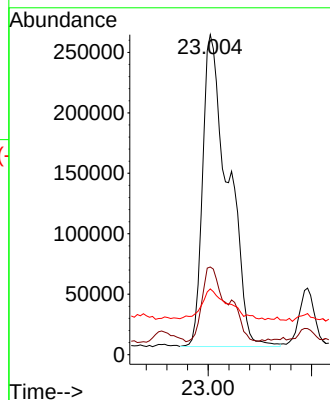
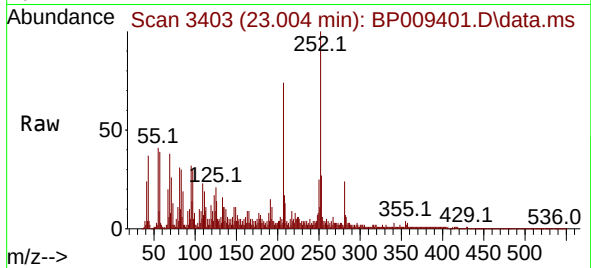




#89
Benzo(k)fluoranthene
Concen: 6.966 ng
RT: 23.004 min Scan# 3411
Delta R.T. -0.047 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

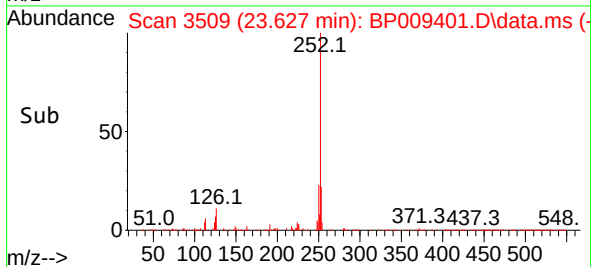
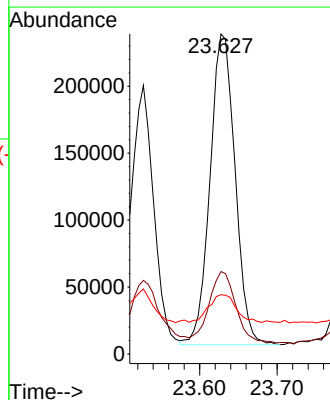
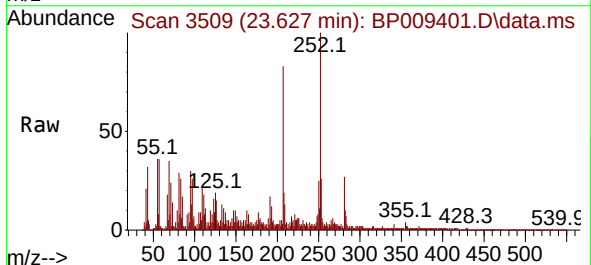
Instrument :
BNA_P
ClientSampleId :
WC-8-9-1

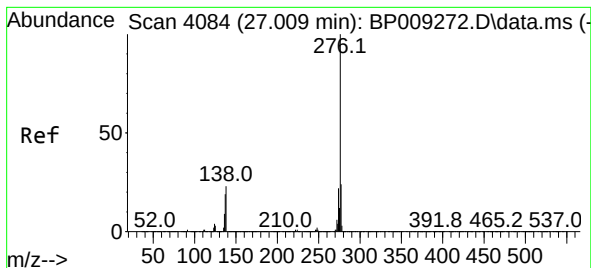
Tgt Ion:252 Resp: 883718
Ion Ratio Lower Upper
252 100
253 27.4 17.5 26.3#
125 20.6 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 4.149 ng
RT: 23.627 min Scan# 3509
Delta R.T. 0.000 min
Lab File: BP009401.D
Acq: 15 Mar 2022 16:49

Tgt Ion:252 Resp: 522526
Ion Ratio Lower Upper
252 100
253 25.7 17.8 26.6
125 18.5 9.3 13.9#





#92

Benzo(g,h,i)perylene

Concen: 3.517 ng

RT: 27.010 min Scan# 4084

Delta R.T. 0.000 min

Lab File: BP009401.D

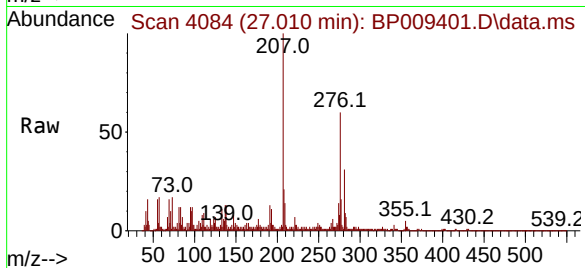
Acq: 15 Mar 2022 16:49

Instrument :

BNA_P

ClientSampleId :

WC-8-9-1



Tgt Ion:276 Resp: 450163

Ion Ratio Lower Upper

276 100

277 26.2 19.2 28.8

138 21.0 18.0 27.0

