

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031422\
 Data File : BP009389.D
 Acq On : 14 Mar 2022 19:07
 Operator : CG/JU
 Sample : N1908-09 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-14A-1B

Quant Time: Mar 15 01:01:12 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)

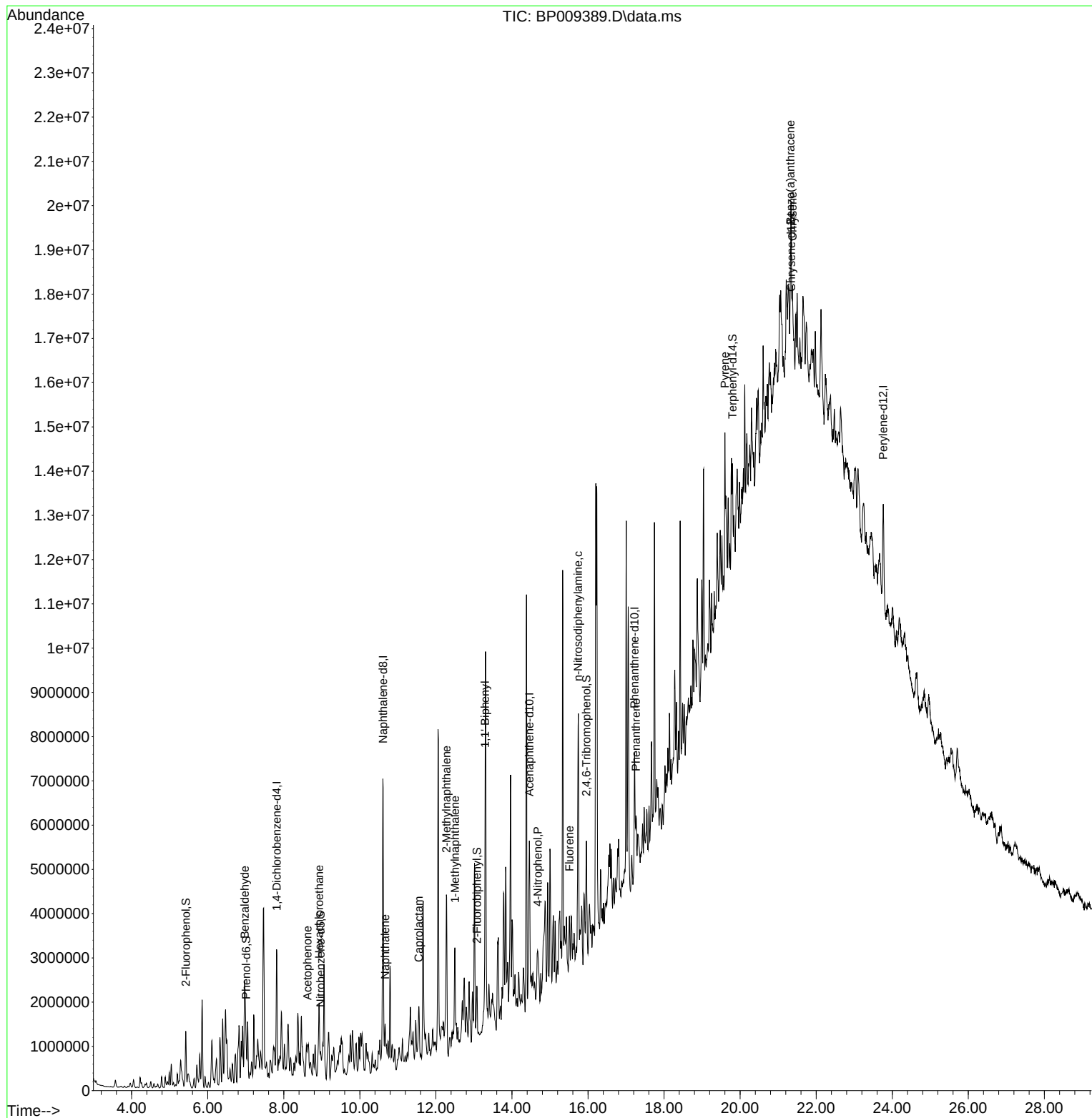
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.816	152	433239	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	1661256	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	1026635	20.000	ng	0.00
64) Phenanthrene-d10	17.222	188	1999284	20.000	ng	0.00
76) Chrysene-d12	21.339	240	1573132	20.000	ng	0.01
86) Perylene-d12	23.763	264	1708675	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	307134	10.348	ng	0.01
7) Phenol-d6	7.011	99	394168	10.451	ng	0.02
23) Nitrobenzene-d5	8.969	82	257739	8.545	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	206771	16.680	ng	0.00
45) 2-Fluorobiphenyl	13.081	172	605946	8.117	ng	0.00
79) Terphenyl-d14	19.798	244	800980	9.609	ng	0.00
Target Compounds					Qvalue	
9) Benzaldehyde	6.975	77	73285	3.050	ng	# 1
18) Hexachloroethane	8.928	117	120265	9.508	ng	# 1
22) Acetophenone	8.622	105	424892	9.568	ng	# 62
31) Naphthalene	10.663	128	587120	6.382	ng	97
35) Caprolactam	11.552	113	25626	3.314	ng	# 1
37) 2-Methylnaphthalene	12.281	142	1366866	20.911	ng	98
38) 1-Methylnaphthalene	12.499	142	1018148	16.913	ng	99
46) 1,1'-Biphenyl	13.293	154	190307	2.270	ng	97
56) 4-Nitrophenol	14.675	139	59210	4.482	ng	# 35
58) Fluorene	15.510	166	150275	2.015	ng	# 80
66) n-Nitrosodiphenylamine	15.740	169	318117	5.069	ng	# 48
71) Phenanthrene	17.263	178	687109	5.980	ng	# 91
78) Pyrene	19.598	202	404298	3.806	ng	# 82
81) Benzo(a)anthracene	21.322	228	291984	2.738	ng	# 52
83) Chrysene	21.375	228	611229	5.904	ng	# 61

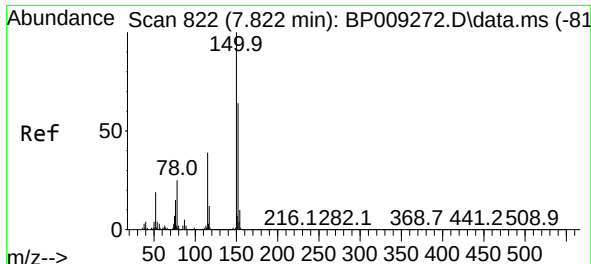
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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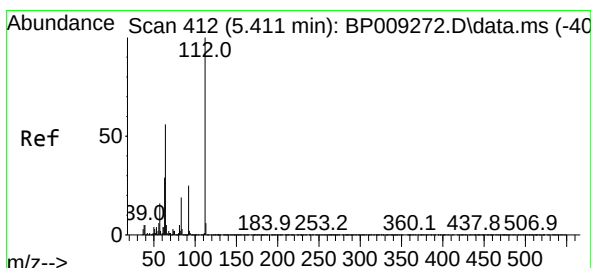
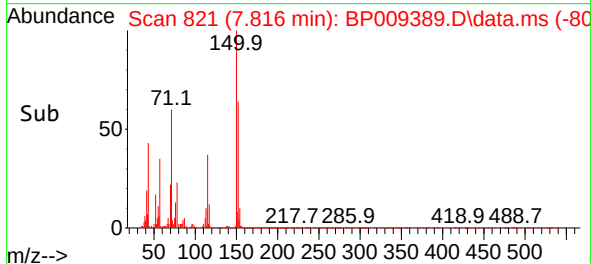
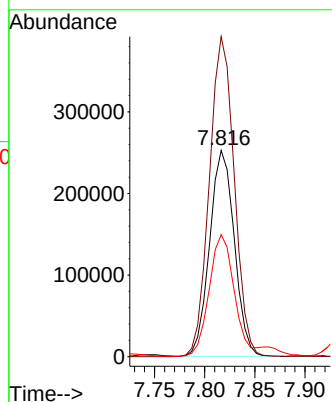
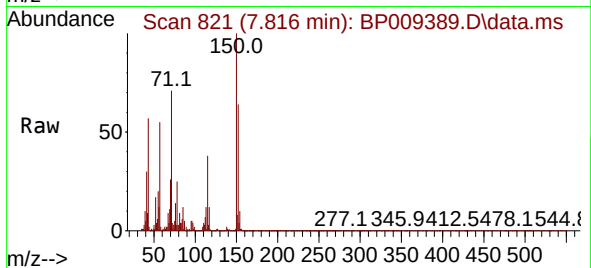




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.816 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009389.D
Acq: 14 Mar 2022 19:07

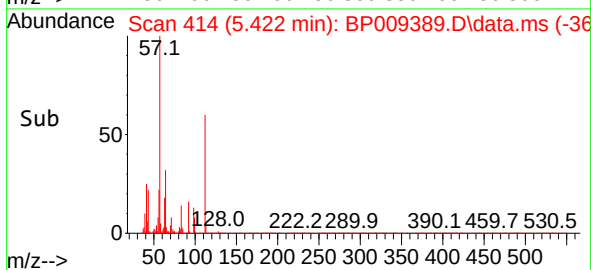
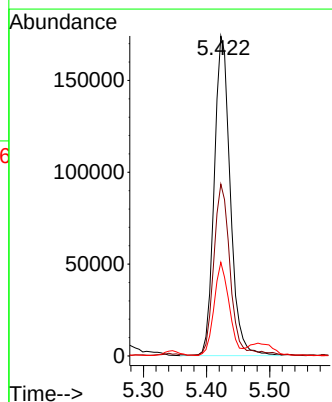
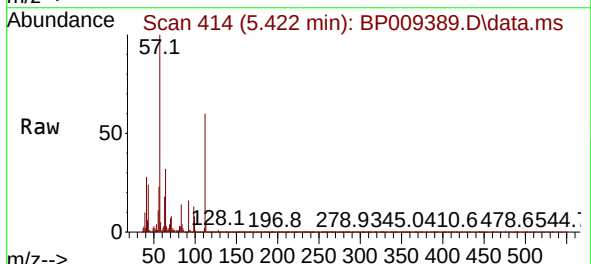
Instrument :
BNA_P
ClientSampleId :
WC-14A-1B

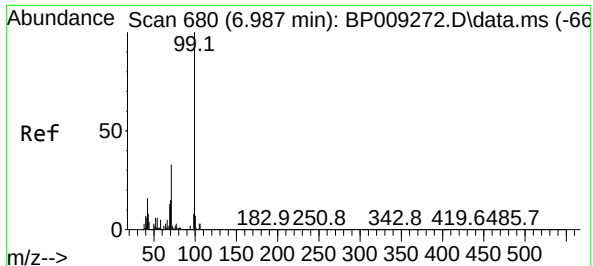
Tgt Ion:152 Resp: 433239
Ion Ratio Lower Upper
152 100
150 155.1 124.5 186.7
115 59.2 48.2 72.4



#5
2-Fluorophenol
Concen: 10.348 ng
RT: 5.422 min Scan# 414
Delta R.T. 0.011 min
Lab File: BP009389.D
Acq: 14 Mar 2022 19:07

Tgt Ion:112 Resp: 307134
Ion Ratio Lower Upper
112 100
64 53.7 45.0 67.4
63 29.3 23.0 34.6

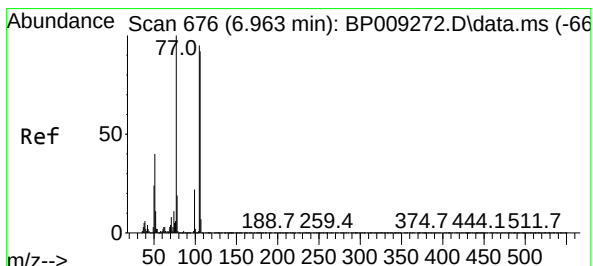
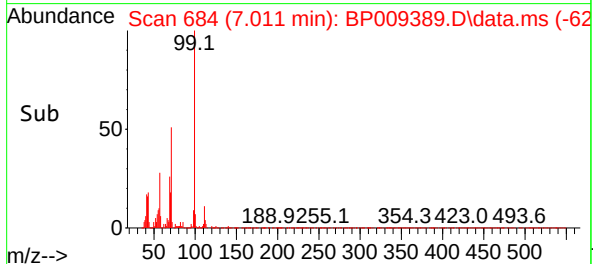
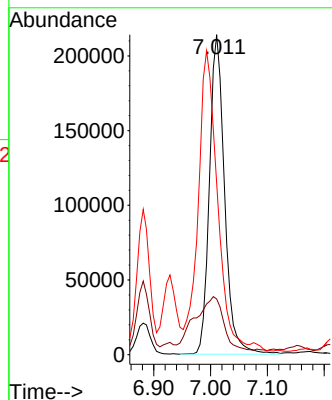
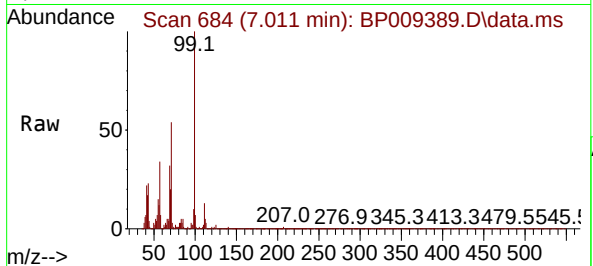




#7
Phenol-d6
Concen: 10.451 ng
RT: 7.011 min Scan# 61
Delta R.T. 0.024 min
Lab File: BP009389.D
Acq: 14 Mar 2022 19:07

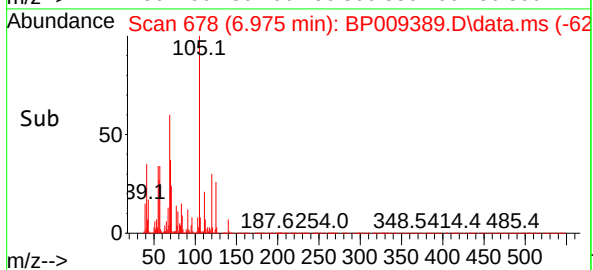
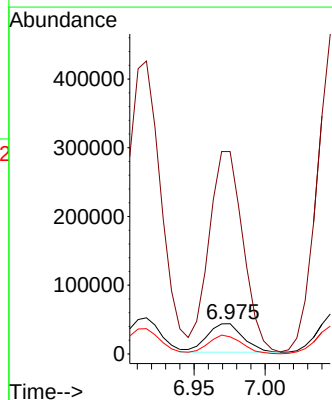
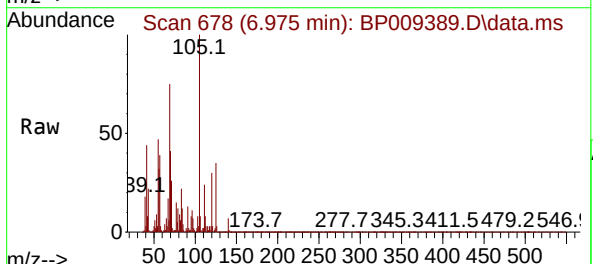
Instrument :
BNA_P
ClientSampleId :
WC-14A-1B

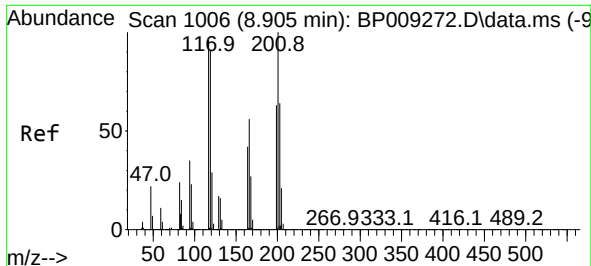
Tgt Ion: 99 Resp: 394168
Ion Ratio Lower Upper
99 100
42 17.4 12.8 19.2
71 53.5 26.3 39.5#



#9
Benzaldehyde
Concen: 3.050 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.012 min
Lab File: BP009389.D
Acq: 14 Mar 2022 19:07

Tgt Ion: 77 Resp: 73285
Ion Ratio Lower Upper
77 100
105 670.1 75.2 115.2#
106 56.7 72.3 112.3#

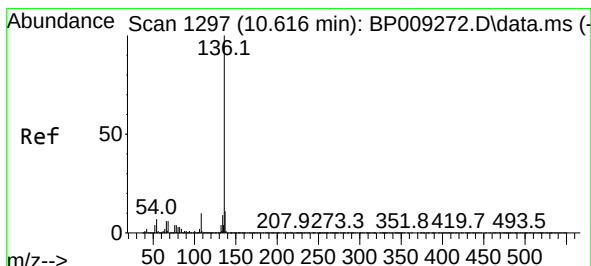
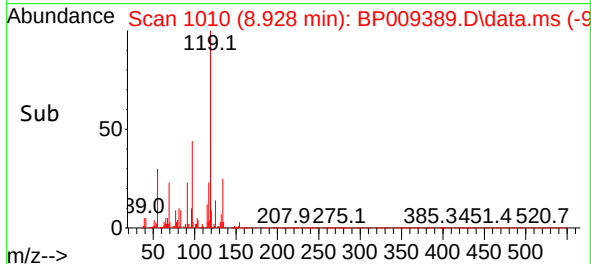
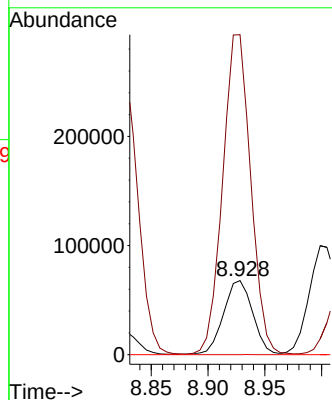
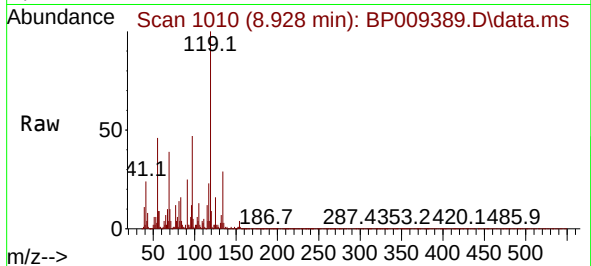




#18
Hexachloroethane
Concen: 9.508 ng
RT: 8.928 min Scan# 1010
Delta R.T. 0.024 min
Lab File: BP009389.D
Acq: 14 Mar 2022 19:07

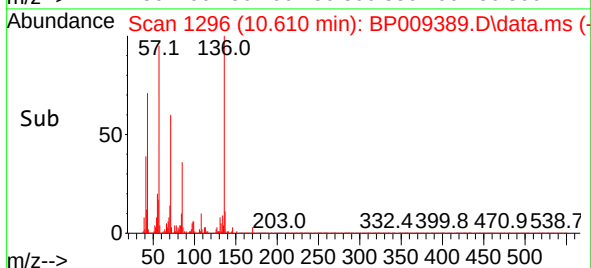
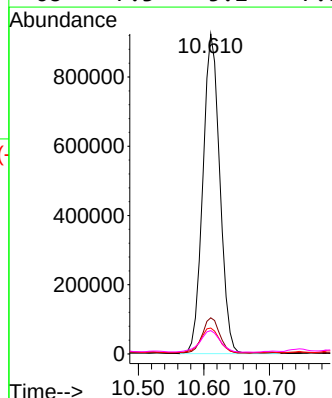
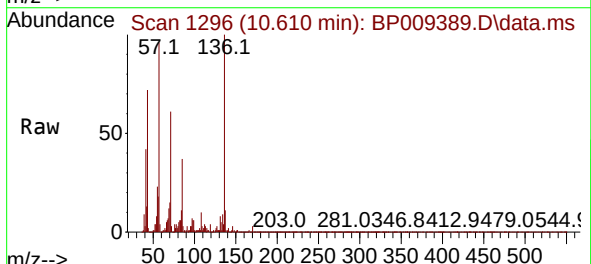
Instrument :
BNA_P
ClientSampleId :
WC-14A-1B

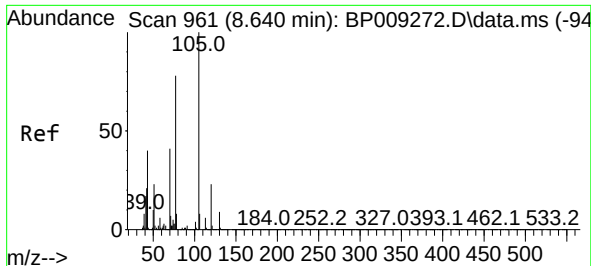
Tgt Ion:117 Resp: 120265
Ion Ratio Lower Upper
117 100
119 431.7 76.4 114.6#
201 0.1 83.4 125.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP009389.D
Acq: 14 Mar 2022 19:07

Tgt Ion:136 Resp: 1661256
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 8.1 5.8 8.8
68 7.3 5.2 7.8

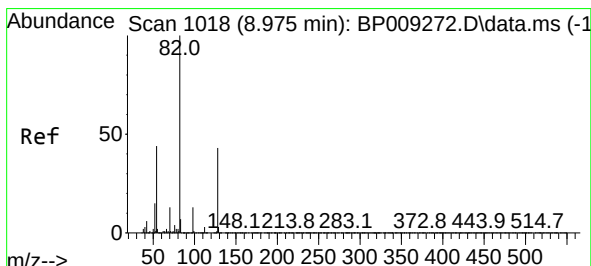
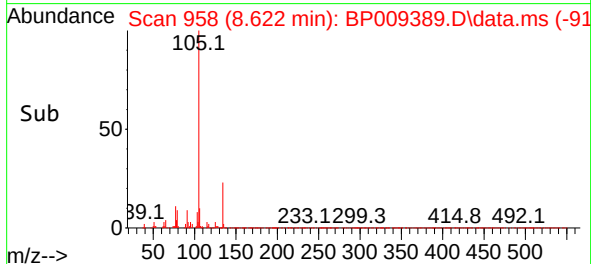
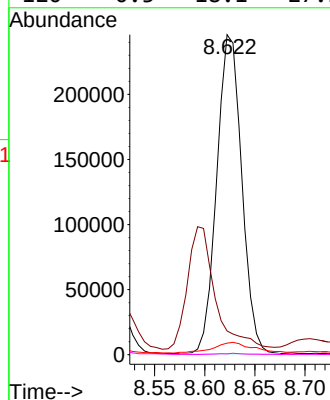
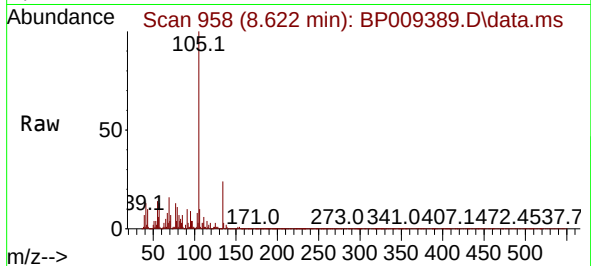




#22
Acetophenone
Concen: 9.568 ng
RT: 8.622 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP009389.D
Acq: 14 Mar 2022 19:07

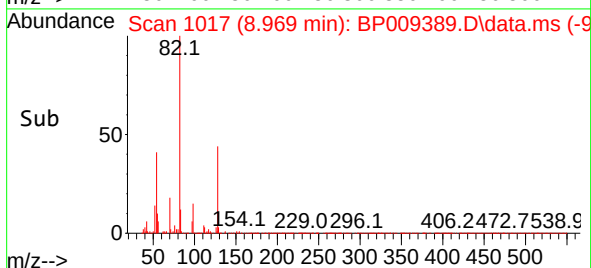
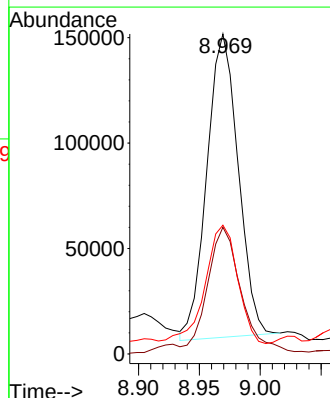
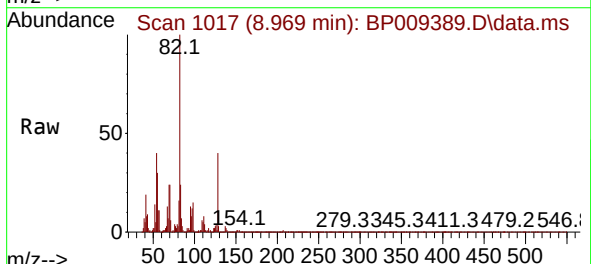
Instrument :
BNA_P
ClientSampleId :
WC-14A-1B

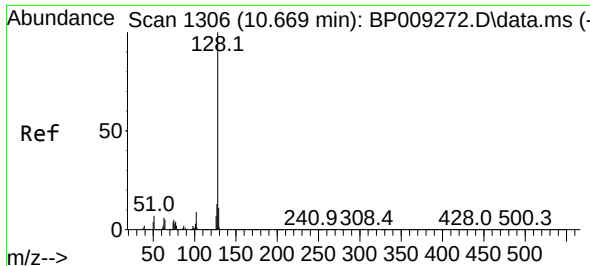
Tgt Ion:105 Resp: 424892
Ion Ratio Lower Upper
105 100
71 7.4 5.5 8.3
51 3.6 18.9 28.3#
120 0.3 18.1 27.1#



#23
Nitrobenzene-d5
Concen: 8.545 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BP009389.D
Acq: 14 Mar 2022 19:07

Tgt Ion: 82 Resp: 257739
Ion Ratio Lower Upper
82 100
128 39.6 34.2 51.4
54 40.2 34.7 52.1

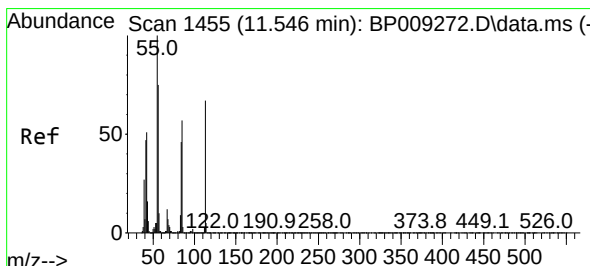
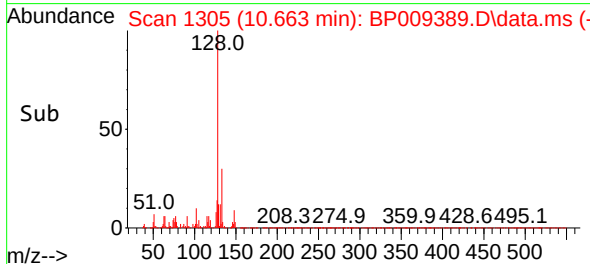
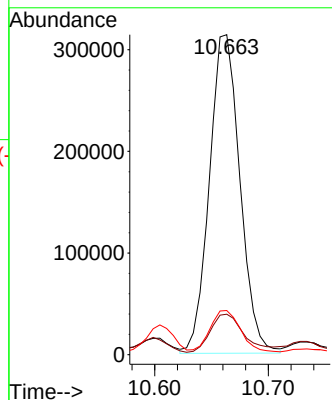
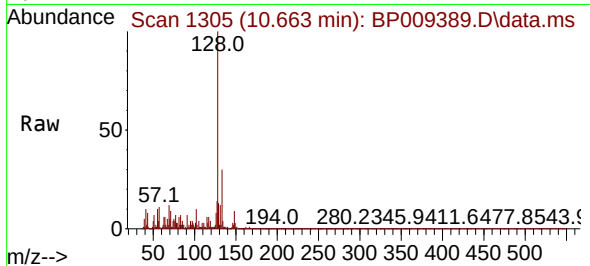




#31
Naphthalene
Concen: 6.382 ng
RT: 10.663 min Scan# 111
Delta R.T. -0.006 min
Lab File: BP009389.D
Acq: 14 Mar 2022 19:07

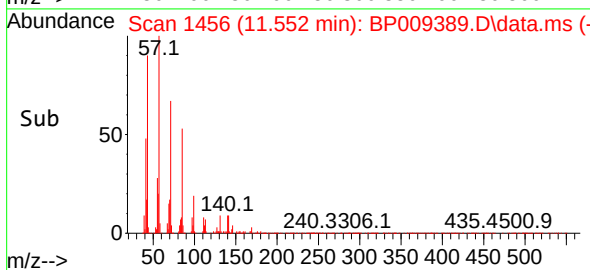
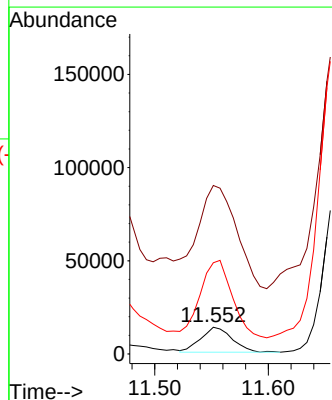
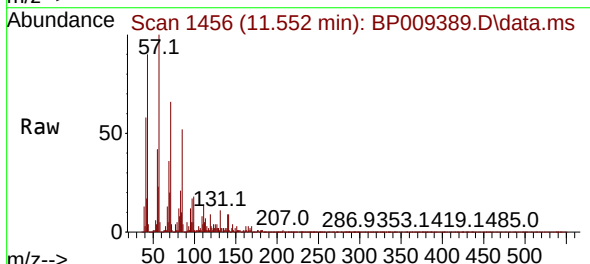
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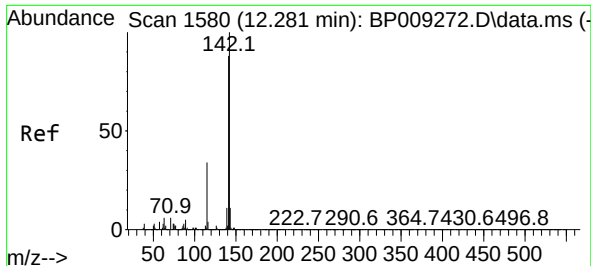
Tgt Ion:128 Resp: 587120
Ion Ratio Lower Upper
128 100
129 12.6 8.6 13.0
127 13.8 10.5 15.7



#35
Caprolactam
Concen: 3.314 ng
RT: 11.552 min Scan# 1456
Delta R.T. 0.006 min
Lab File: BP009389.D
Acq: 14 Mar 2022 19:07

Tgt Ion:113 Resp: 25626
Ion Ratio Lower Upper
113 100
55 630.7 128.4 168.4#
56 341.7 90.9 130.9#

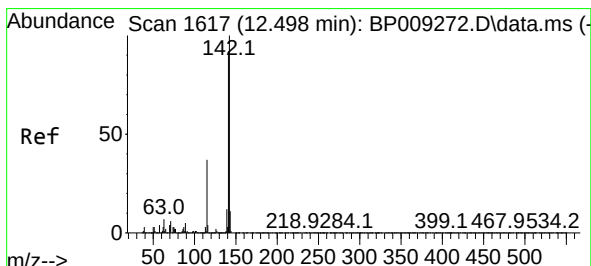
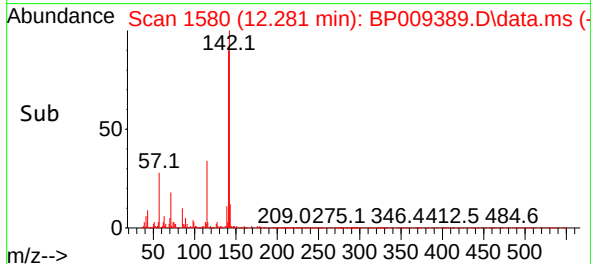
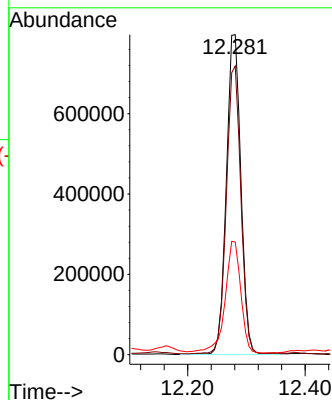
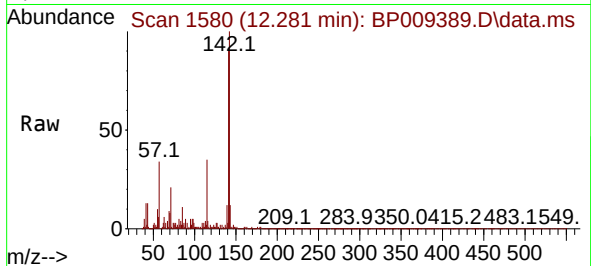




#37
2-Methylnaphthalene
Concen: 20.911 ng
RT: 12.281 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP009389.D
Acq: 14 Mar 2022 19:07

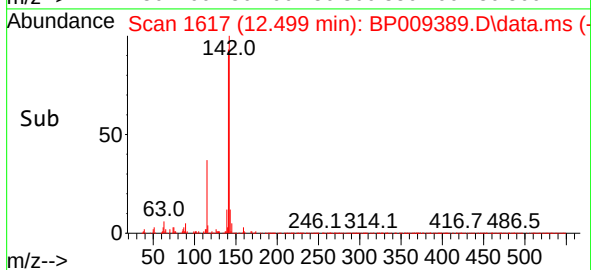
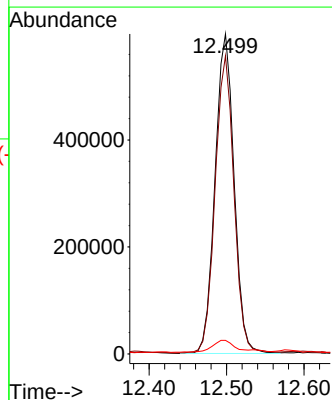
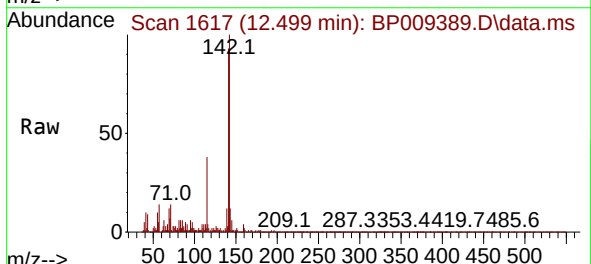
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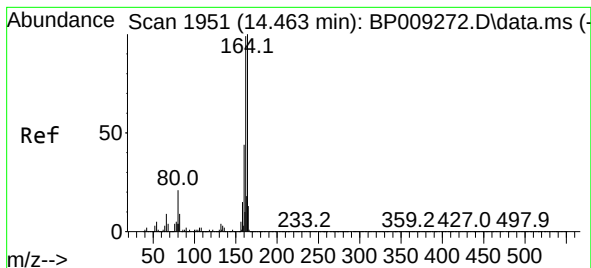
Tgt Ion:142 Resp: 1366866
Ion Ratio Lower Upper
142 100
141 90.2 70.2 105.4
115 35.2 27.4 41.2



#38
1-Methylnaphthalene
Concen: 16.913 ng
RT: 12.499 min Scan# 1617
Delta R.T. 0.000 min
Lab File: BP009389.D
Acq: 14 Mar 2022 19:07

Tgt Ion:142 Resp: 1018148
Ion Ratio Lower Upper
142 100
141 93.2 73.5 110.3
116 4.2 3.3 4.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.457 min Scan# 1950

Delta R.T. -0.006 min

Lab File: BP009389.D

Acq: 14 Mar 2022 19:07

Instrument :

BNA_P

ClientSampleId :

WC-14A-1B

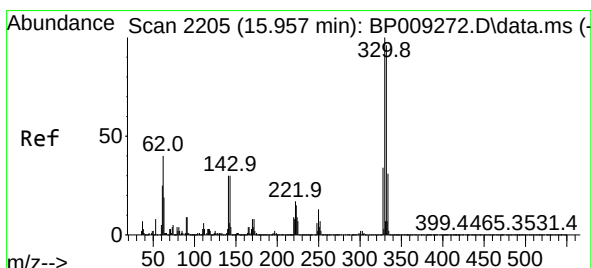
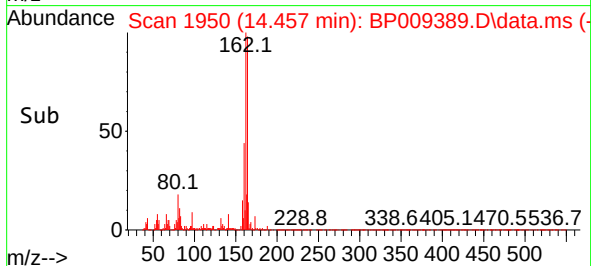
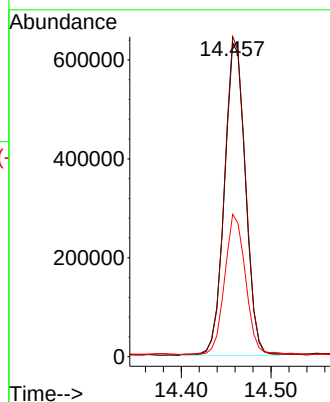
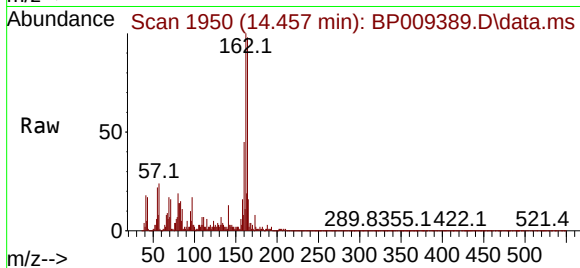
Tgt Ion:164 Resp: 1026635

Ion Ratio Lower Upper

164 100

162 101.9 79.1 118.7

160 45.3 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 16.680 ng

RT: 15.957 min Scan# 2205

Delta R.T. 0.000 min

Lab File: BP009389.D

Acq: 14 Mar 2022 19:07

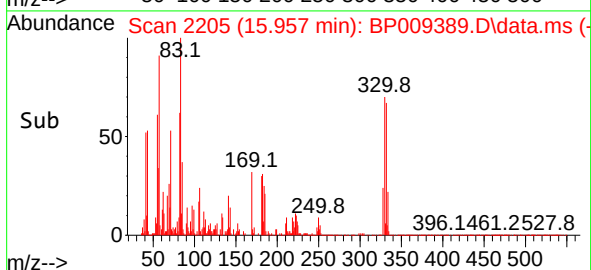
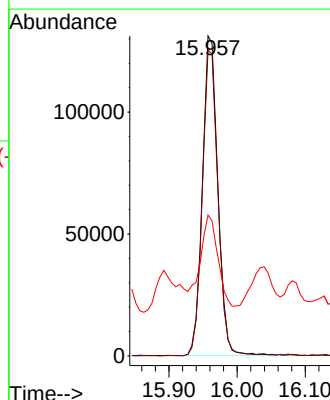
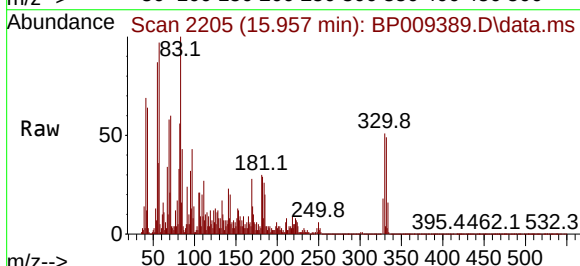
Tgt Ion:330 Resp: 206771

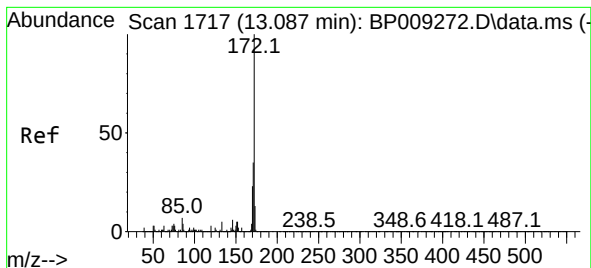
Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

141 31.6 27.6 41.4





#45

2-Fluorobiphenyl

Concen: 8.117 ng

RT: 13.081 min Scan# 1716

Delta R.T. -0.006 min

Lab File: BP009389.D

Acq: 14 Mar 2022 19:07

Instrument :

BNA_P

ClientSampleId :

WC-14A-1B

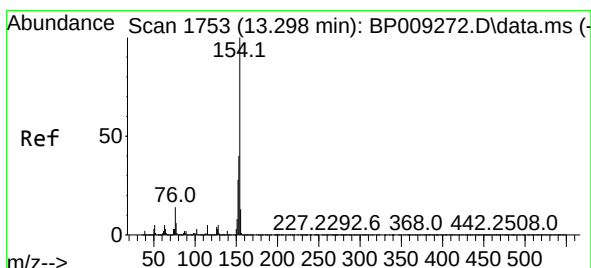
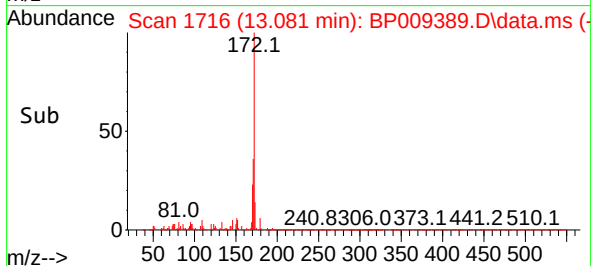
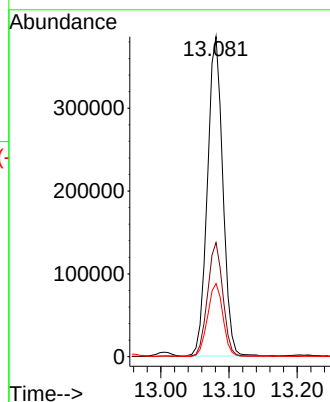
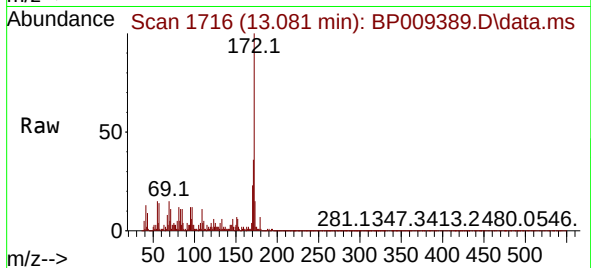
Tgt Ion:172 Resp: 605946

Ion Ratio Lower Upper

172 100

171 35.7 28.0 42.0

170 22.9 18.6 27.8



#46

1,1'-Biphenyl

Concen: 2.270 ng

RT: 13.293 min Scan# 1752

Delta R.T. -0.006 min

Lab File: BP009389.D

Acq: 14 Mar 2022 19:07

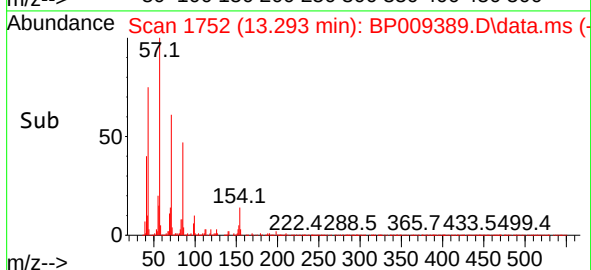
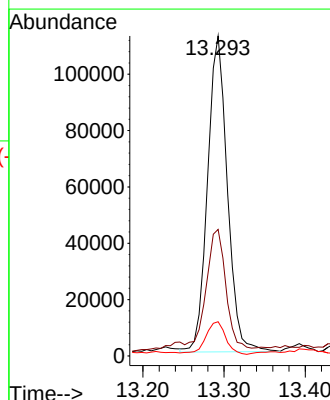
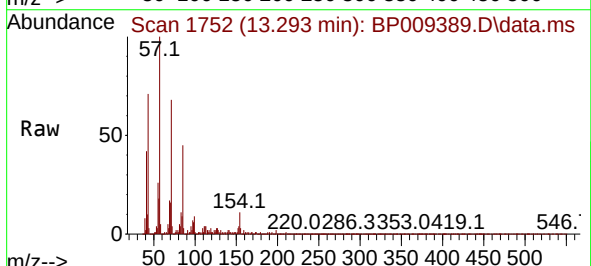
Tgt Ion:154 Resp: 190307

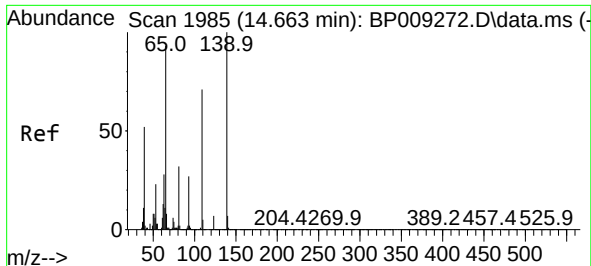
Ion Ratio Lower Upper

154 100

153 39.6 20.2 60.2

76 10.7 0.0 34.0

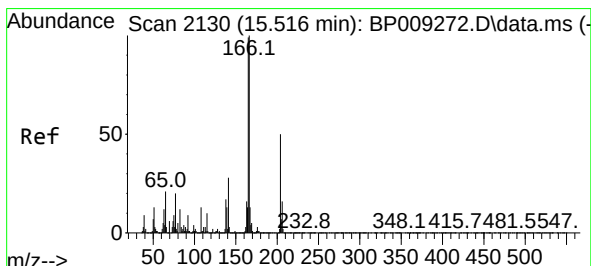
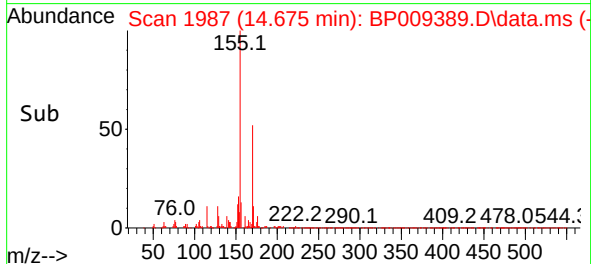
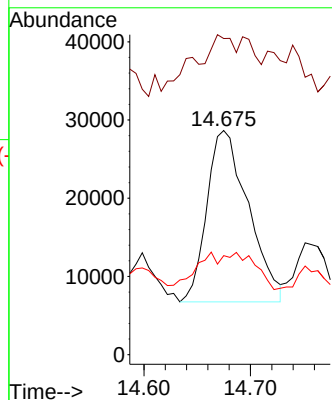
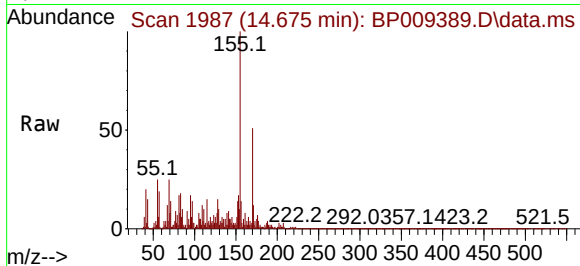




#56
4-Nitrophenol
Concen: 4.482 ng
RT: 14.675 min Scan# 1985
Delta R.T. 0.012 min
Lab File: BP009389.D
Acq: 14 Mar 2022 19:07

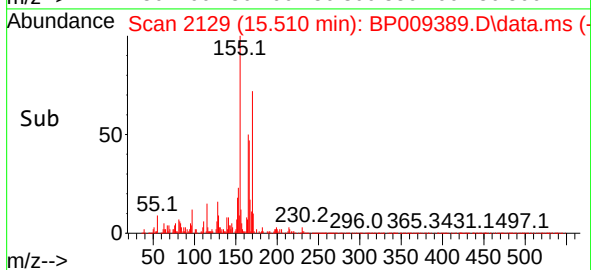
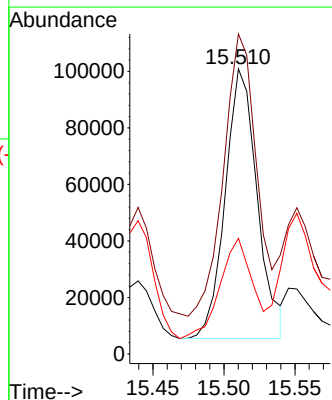
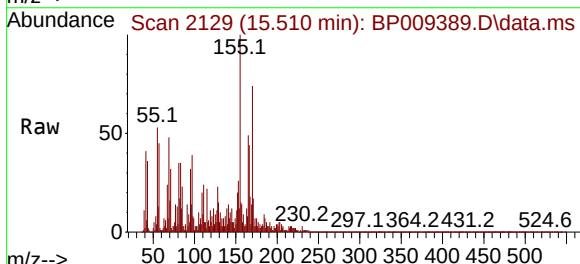
Instrument :
BNA_P
ClientSampleId :
WC-14A-1B

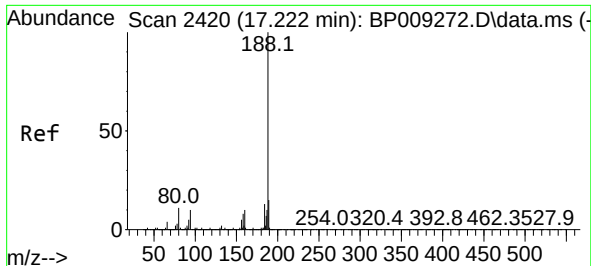
Tgt Ion:139 Resp: 59210
Ion Ratio Lower Upper
139 100
109 141.0 51.2 91.2#
65 44.2 73.2 113.2#



#58
Fluorene
Concen: 2.015 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP009389.D
Acq: 14 Mar 2022 19:07

Tgt Ion:166 Resp: 150275
Ion Ratio Lower Upper
166 100
165 112.3 79.2 118.8
167 40.6 10.7 16.1#

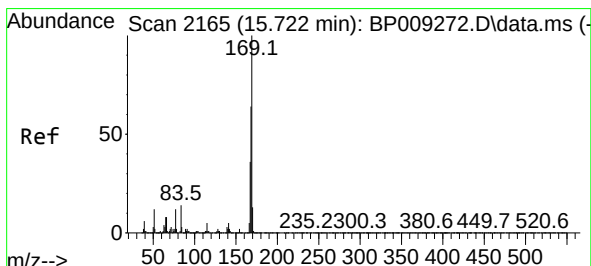
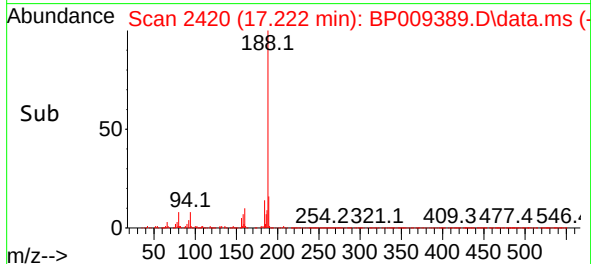
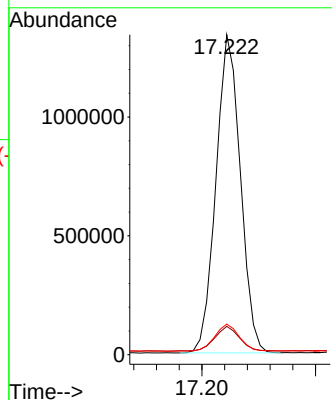
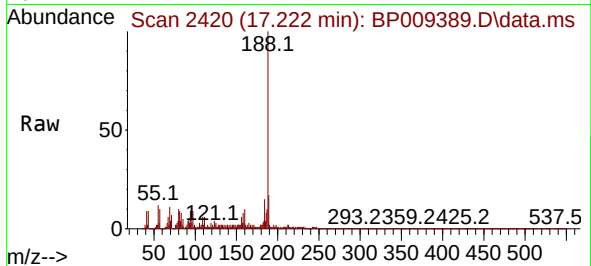




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 2420
Delta R.T. 0.000 min
Lab File: BP009389.D
Acq: 14 Mar 2022 19:07

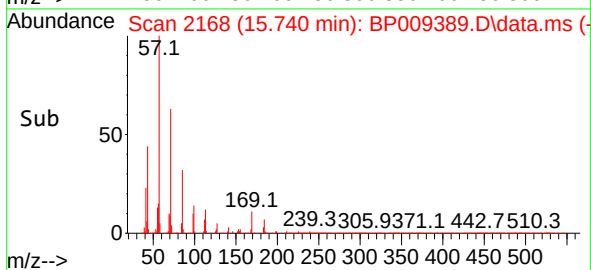
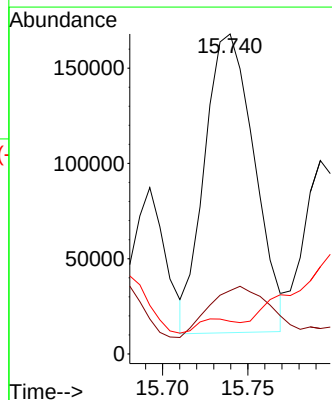
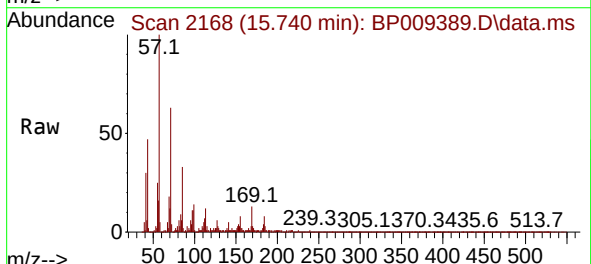
Instrument :
BNA_P
ClientSampleId :
WC-14A-1B

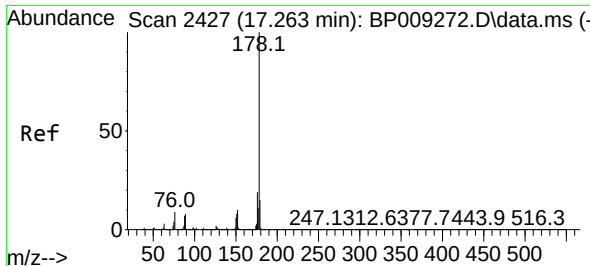
Tgt Ion:188 Resp: 1999284
Ion Ratio Lower Upper
188 100
94 8.8 7.9 11.9
80 9.5 8.8 13.2



#66
n-Nitrosodiphenylamine
Concen: 5.069 ng
RT: 15.740 min Scan# 2168
Delta R.T. 0.018 min
Lab File: BP009389.D
Acq: 14 Mar 2022 19:07

Tgt Ion:169 Resp: 318117
Ion Ratio Lower Upper
169 100
168 19.8 51.6 77.4#
167 10.2 29.0 43.4#

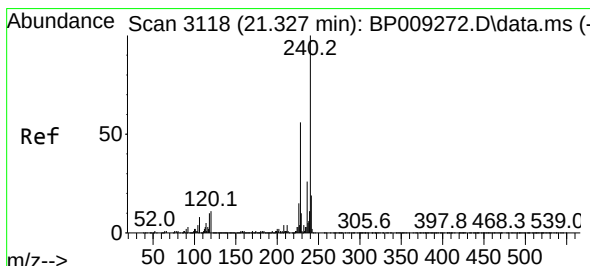
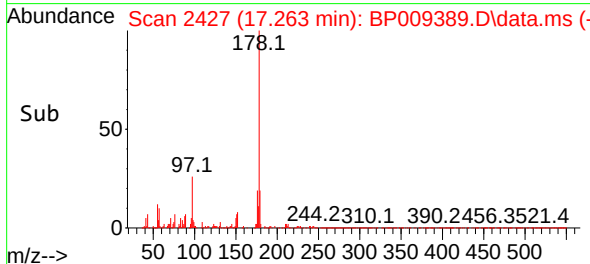
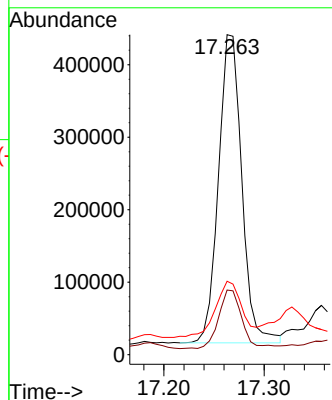
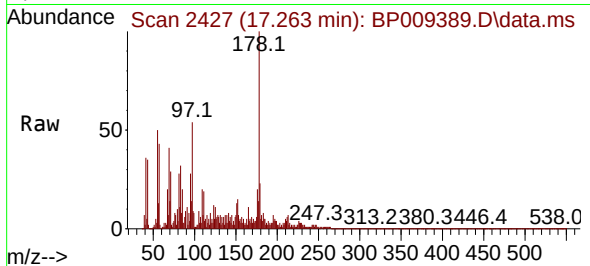




#71
Phenanthrene
Concen: 5.980 ng
RT: 17.263 min Scan# 2427
Delta R.T. 0.000 min
Lab File: BP009389.D
Acq: 14 Mar 2022 19:07

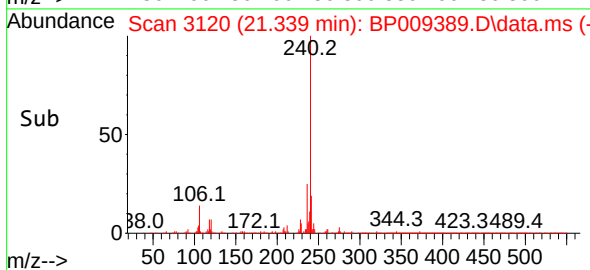
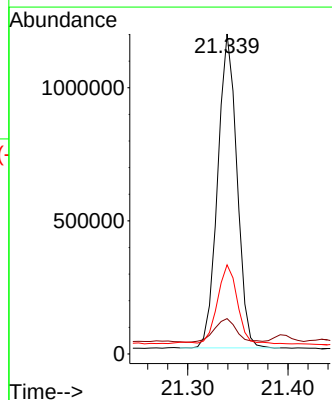
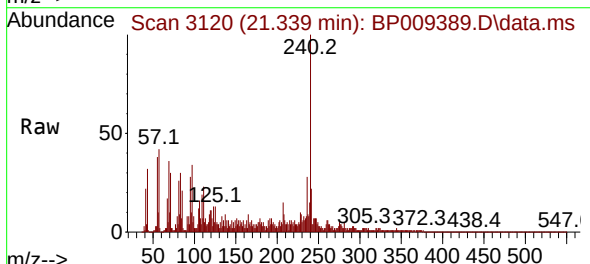
Instrument :
BNA_P
ClientSampleId :
WC-14A-1B

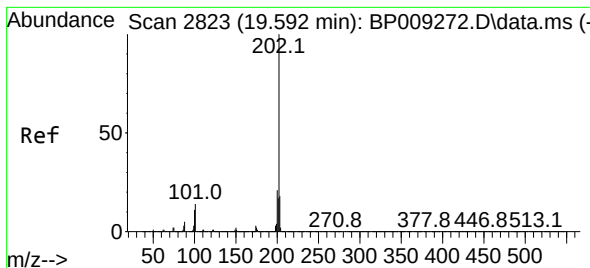
Tgt Ion:178 Resp: 687109
Ion Ratio Lower Upper
178 100
176 20.2 15.4 23.2
179 22.9 12.3 18.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.339 min Scan# 3120
Delta R.T. 0.012 min
Lab File: BP009389.D
Acq: 14 Mar 2022 19:07

Tgt Ion:240 Resp: 1573132
Ion Ratio Lower Upper
240 100
120 11.0 9.0 13.4
236 27.8 20.6 30.8





#78

Pyrene

Concen: 3.806 ng

RT: 19.598 min Scan# 2823

Delta R.T. 0.006 min

Lab File: BP009389.D

Acq: 14 Mar 2022 19:07

Instrument :

BNA_P

ClientSampleId :

WC-14A-1B

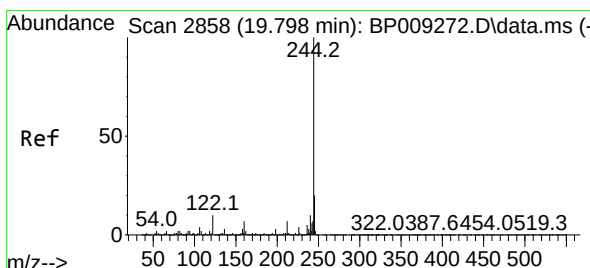
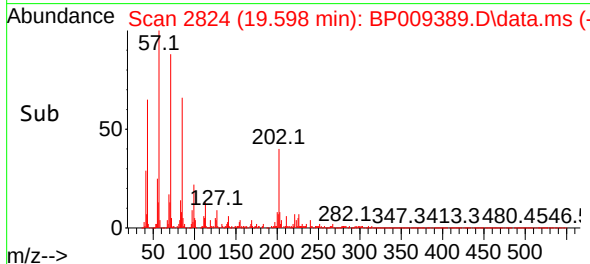
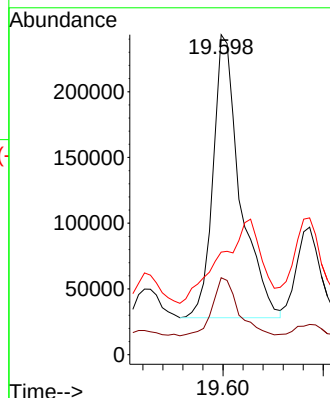
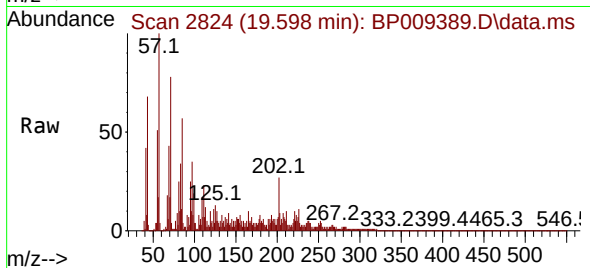
Tgt Ion:202 Resp: 404298

Ion Ratio Lower Upper

202 100

200 24.0 16.8 25.2

203 32.1 14.2 21.4#



#79

Terphenyl-d14

Concen: 9.609 ng

RT: 19.798 min Scan# 2858

Delta R.T. 0.000 min

Lab File: BP009389.D

Acq: 14 Mar 2022 19:07

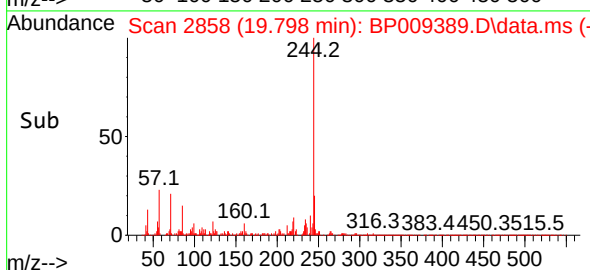
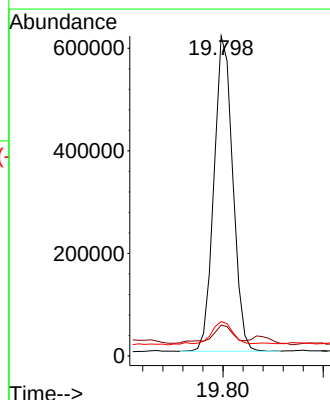
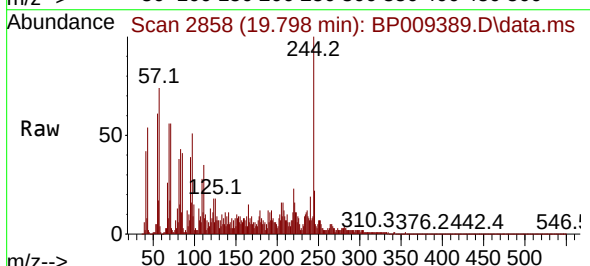
Tgt Ion:244 Resp: 800980

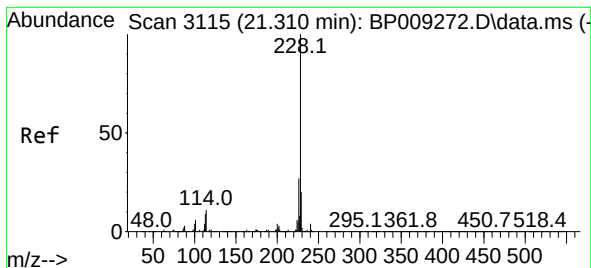
Ion Ratio Lower Upper

244 100

212 9.7 5.8 8.6#

122 10.8 8.3 12.5





#81

Benzo(a)anthracene

Concen: 2.738 ng

RT: 21.322 min Scan# 3117

Delta R.T. 0.012 min

Lab File: BP009389.D

Acq: 14 Mar 2022 19:07

Instrument :

BNA_P

ClientSampleId :

WC-14A-1B

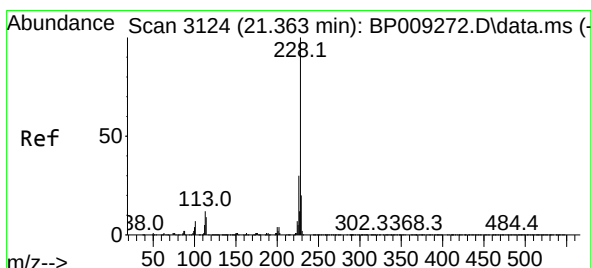
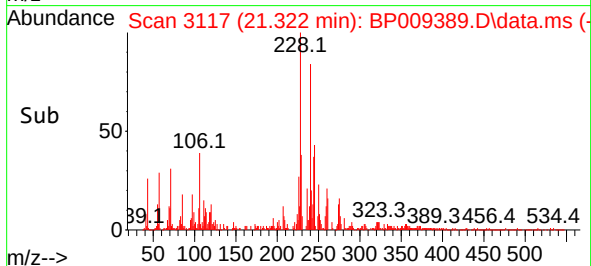
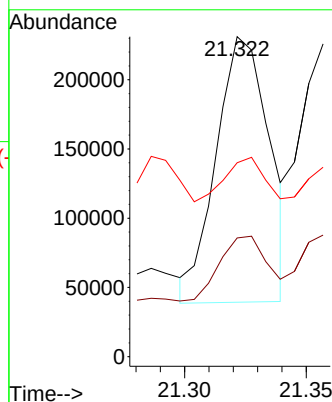
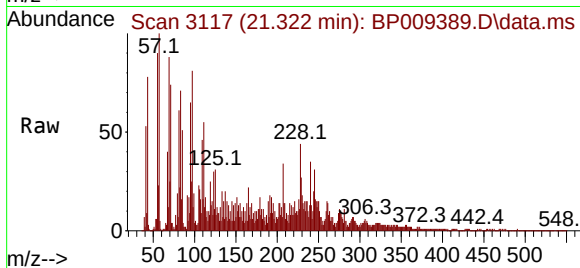
Tgt Ion:228 Resp: 291984

Ion Ratio Lower Upper

228 100

226 37.1 22.0 33.0#

229 60.6 16.1 24.1#



#83

Chrysene

Concen: 5.904 ng

RT: 21.375 min Scan# 3126

Delta R.T. 0.012 min

Lab File: BP009389.D

Acq: 14 Mar 2022 19:07

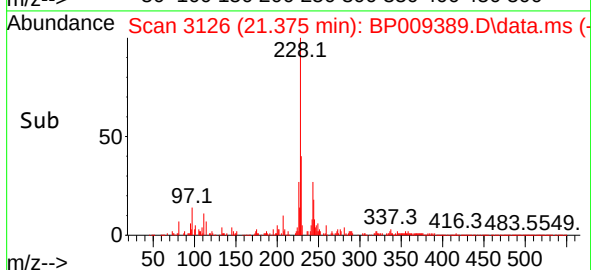
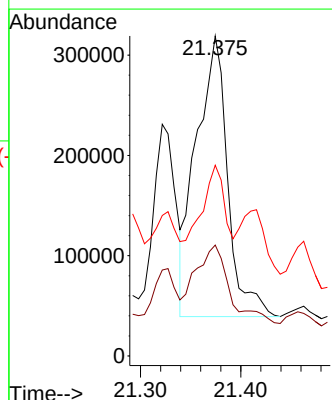
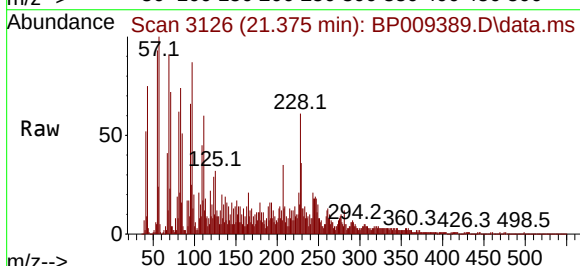
Tgt Ion:228 Resp: 611229

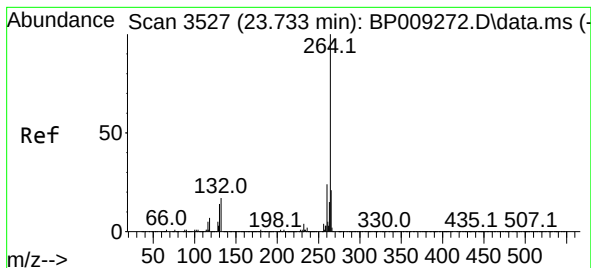
Ion Ratio Lower Upper

228 100

226 34.6 24.2 36.2

229 59.6 16.1 24.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.763 min Scan# 31

Delta R.T. 0.029 min

Lab File: BP009389.D

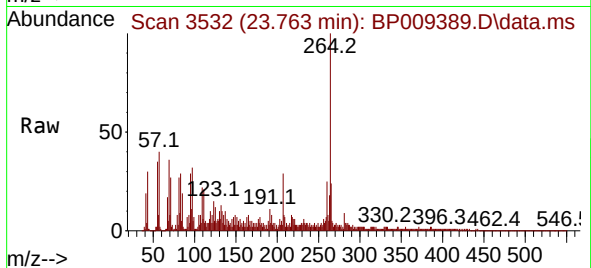
Acq: 14 Mar 2022 19:07

Instrument :

BNA_P

ClientSampleId :

WC-14A-1B



Tgt Ion:264 Resp: 1708675

Ion Ratio Lower Upper

264 100

260 24.6 19.4 29.0

265 24.2 17.2 25.8

