

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
 Data File : BP008482.D
 Acq On : 17 Dec 2021 21:17
 Operator : CG/JU
 Sample : M5084-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C5

Quant Time: Dec 18 07:33:47 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 18 06:49:58 2021
 Response via : Initial Calibration

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

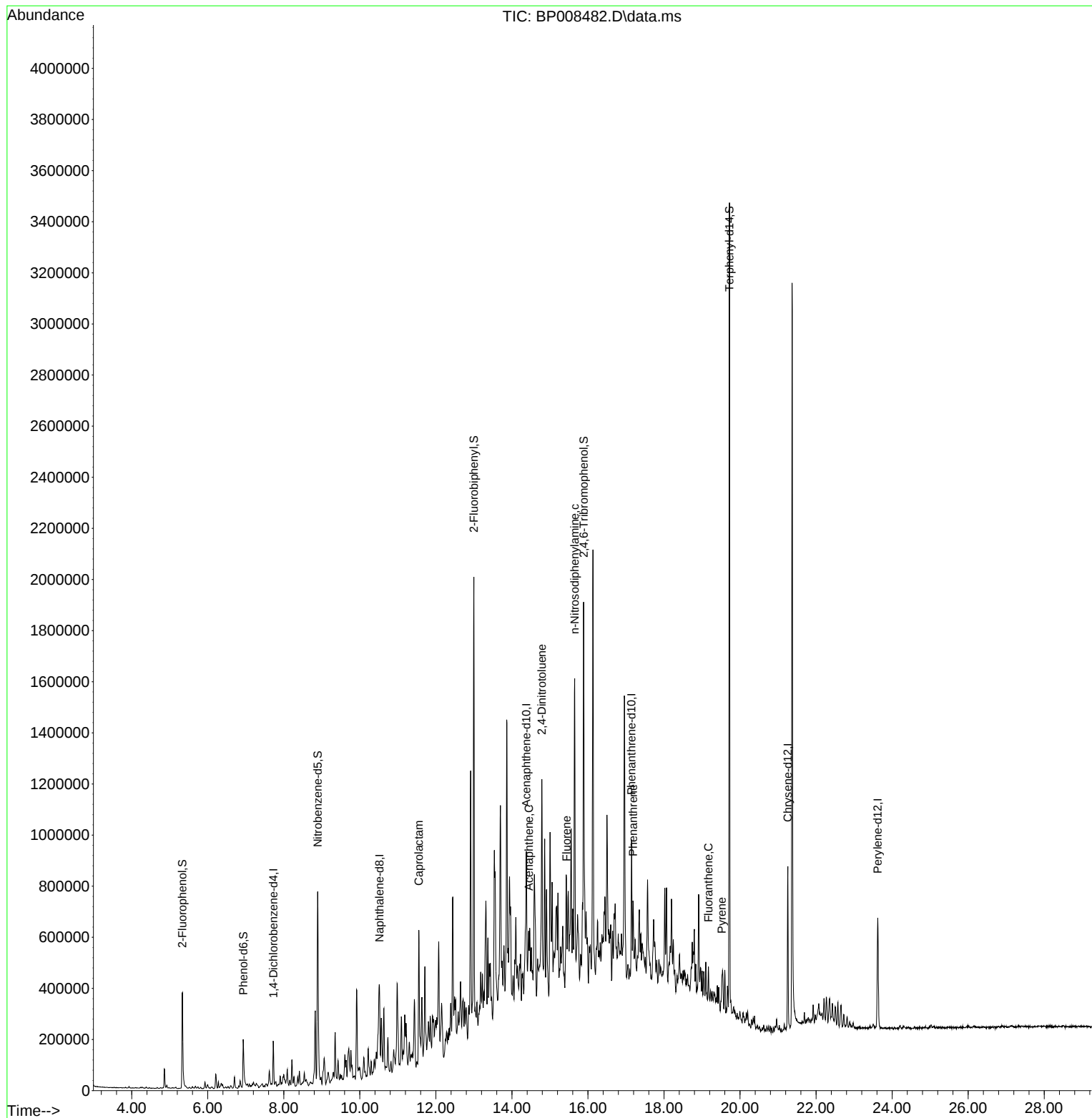
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	48666	20.000	ng	0.00
21) Naphthalene-d8	10.516	136	186131	20.000	ng	0.00
39) Acenaphthene-d10	14.381	164	123757	20.000	ng	0.00
64) Phenanthrene-d10	17.145	188	260604	20.000	ng	0.00
76) Chrysene-d12	21.257	240	304934	20.000	ng	0.00
86) Perylene-d12	23.621	264	347584	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	181186	58.796	ng	0.00
7) Phenol-d6	6.934	99	134298	32.449	ng	0.00
23) Nitrobenzene-d5	8.893	82	405370	92.265	ng	0.00
42) 2,4,6-Tribromophenol	15.886	330	266670	146.626	ng	0.00
45) 2-Fluorobiphenyl	12.998	172	883275	90.728	ng	0.00
79) Terphenyl-d14	19.722	244	1466032	83.673	ng	0.00
Target Compounds						
						Qvalue
35) Caprolactam	11.551	113	17641	29.008	ng	# 60
52) Acenaphthene	14.445	154	44749	6.711	ng	97
57) 2,4-Dinitrotoluene	14.786	165	13370	5.116	ng	# 51
58) Fluorene	15.439	166	109495	12.450	ng	# 96
66) n-Nitrosodiphenylamine	15.651	169	86036	10.486	ng	# 53
71) Phenanthrene	17.186	178	144352	10.226	ng	# 94
75) Fluoranthene	19.169	202	55322	3.471	ng	95
78) Pyrene	19.522	202	80837	3.705	ng	96

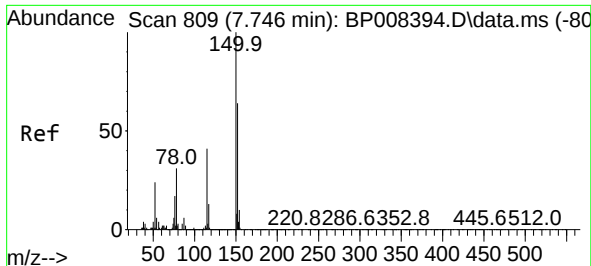
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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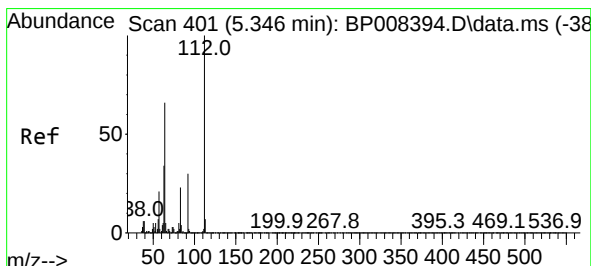
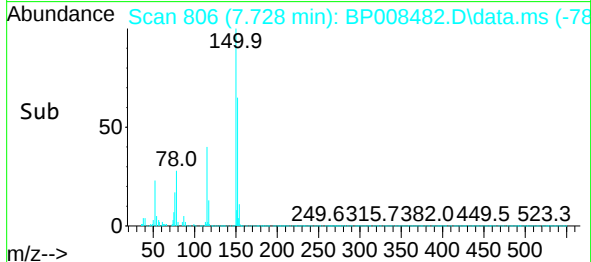
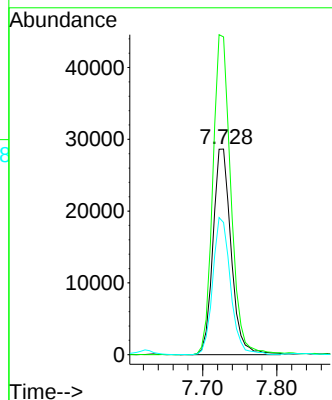
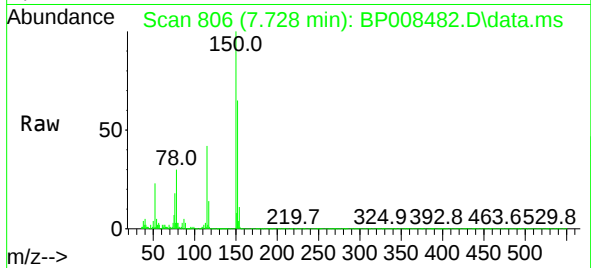




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

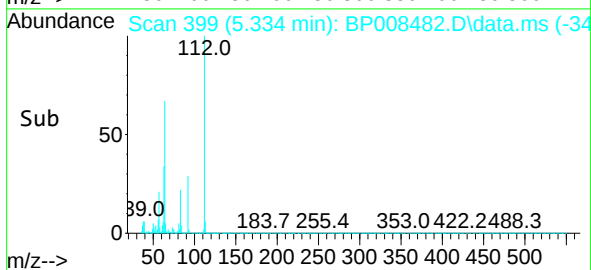
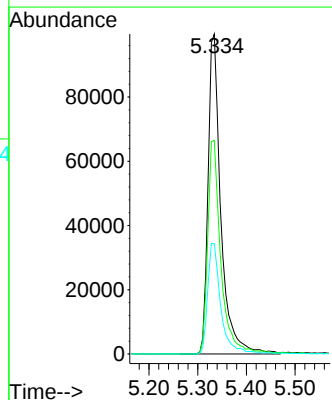
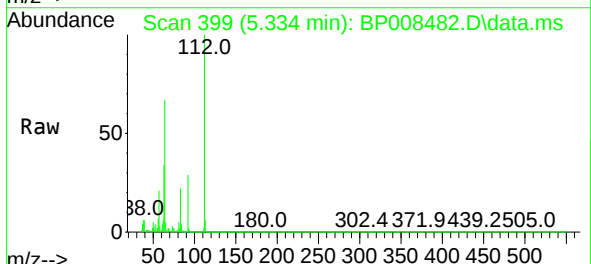
Instrument :
BNA_P
ClientSampleId :
C5

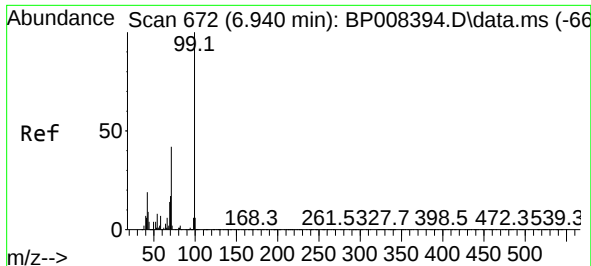
Tgt Ion:152 Resp: 48666
Ion Ratio Lower Upper
152 100
150 154.5 125.7 188.5
115 64.3 50.7 76.1



#5
2-Fluorophenol
Concen: 58.796 ng
RT: 5.334 min Scan# 399
Delta R.T. 0.006 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

Tgt Ion:112 Resp: 181186
Ion Ratio Lower Upper
112 100
64 66.8 53.4 80.2
63 34.4 27.8 41.8

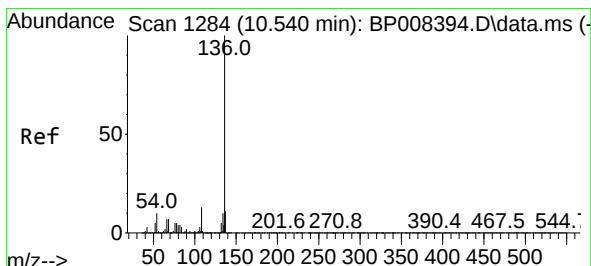
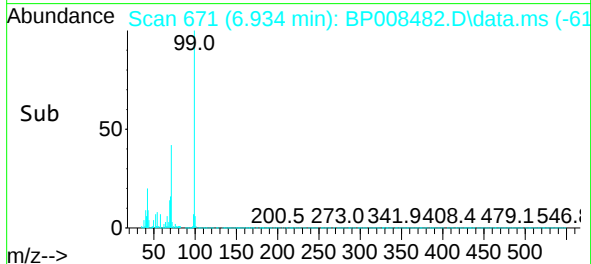
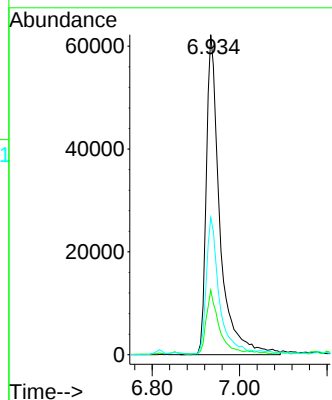
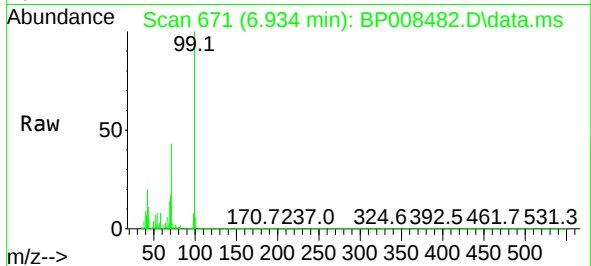




#7
Phenol-d6
Concen: 32.449 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

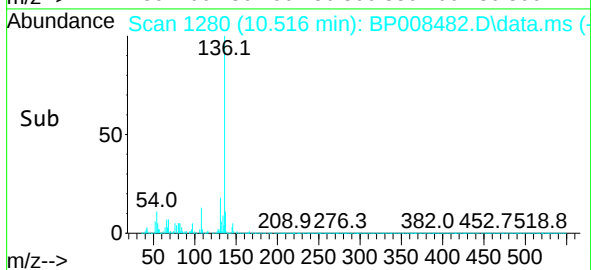
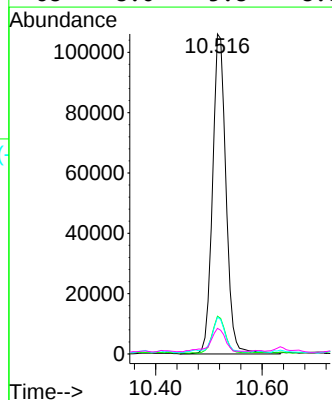
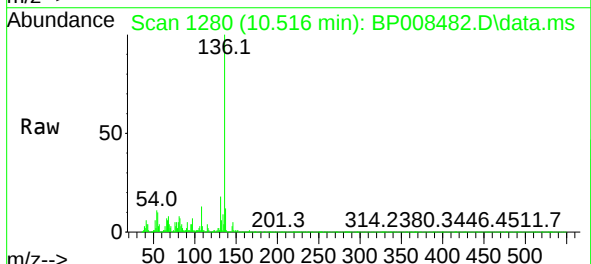
Instrument :
BNA_P
ClientSampleId :
C5

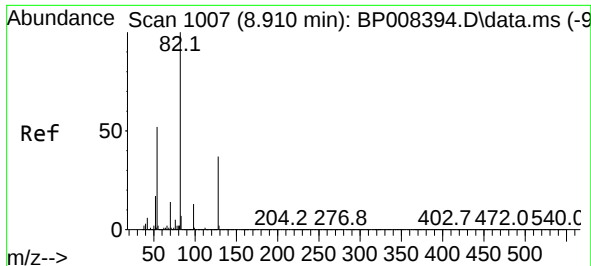
Tgt Ion: 99 Resp: 134298
Ion Ratio Lower Upper
99 100
42 20.2 14.6 22.0
71 42.8 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

Tgt Ion: 136 Resp: 186131
Ion Ratio Lower Upper
136 100
137 11.8 9.0 13.6
54 11.5 8.2 12.4
68 8.0 5.8 8.8

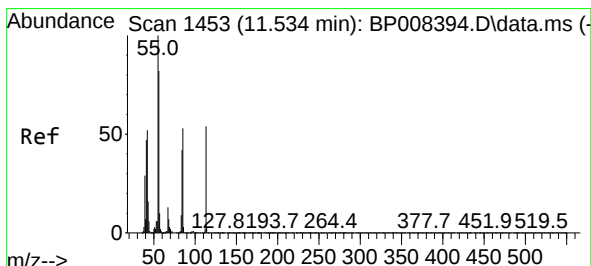
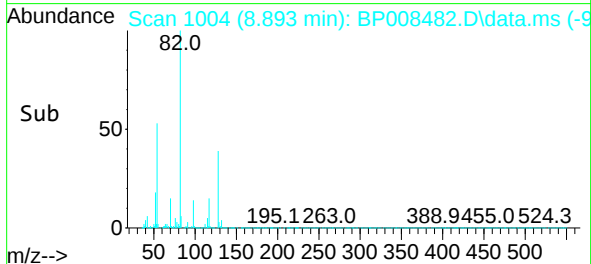
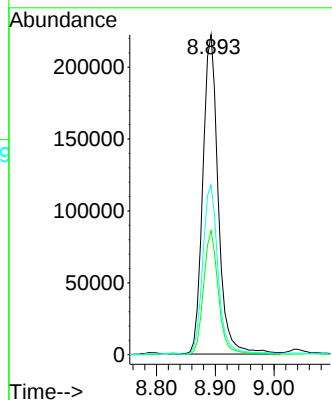
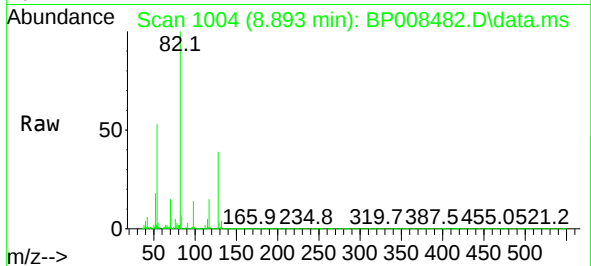




#23
Nitrobenzene-d5
Concen: 92.265 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

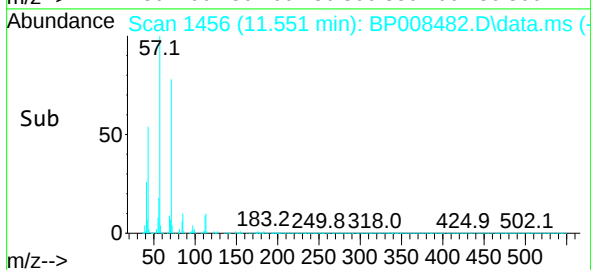
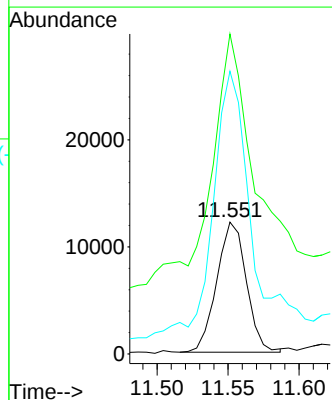
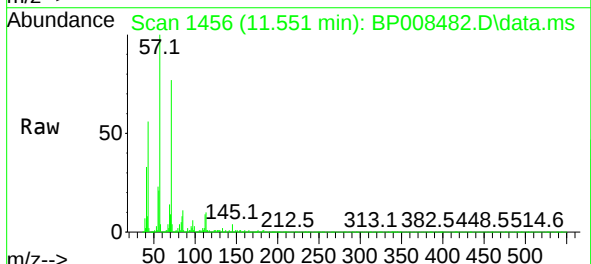
Instrument :
BNA_P
ClientSampleId :
C5

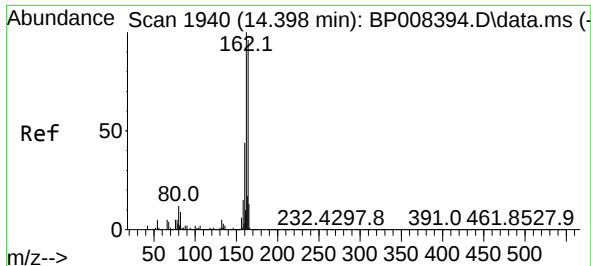
Tgt Ion: 82 Resp: 405370
Ion Ratio Lower Upper
82 100
128 38.7 29.6 44.4
54 53.0 42.7 64.1



#35
Caprolactam
Concen: 29.008 ng
RT: 11.551 min Scan# 1456
Delta R.T. 0.023 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

Tgt Ion: 113 Resp: 17641
Ion Ratio Lower Upper
113 100
55 242.7 174.2 214.2#
56 214.4 130.3 170.3#

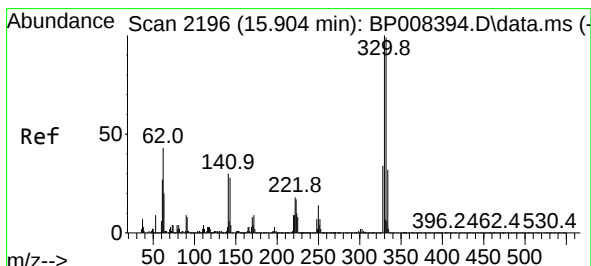
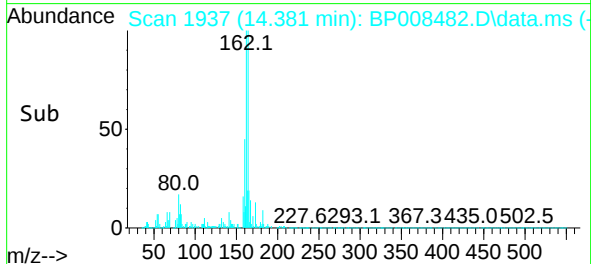
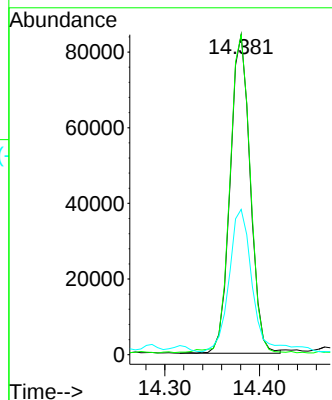
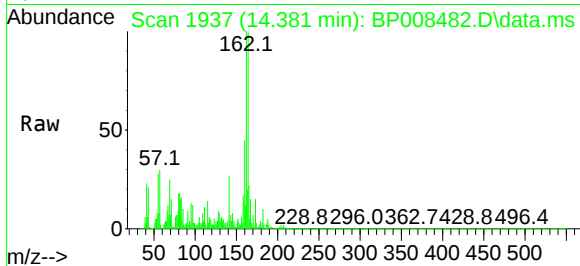




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

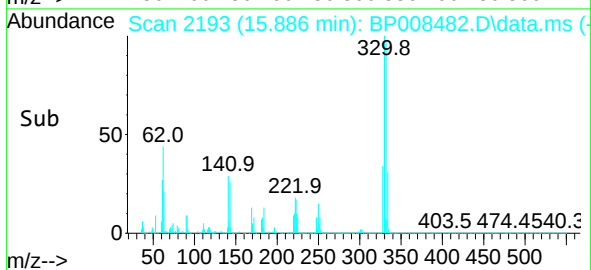
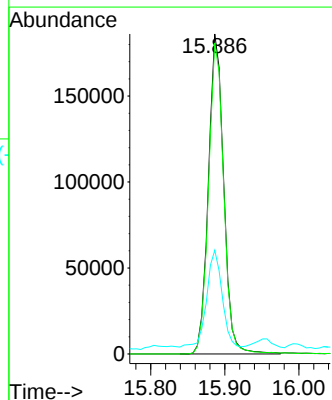
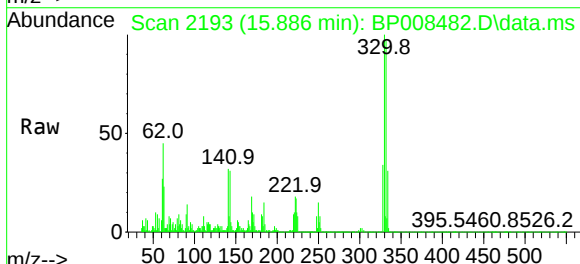
Instrument :
BNA_P
ClientSampleId :
C5

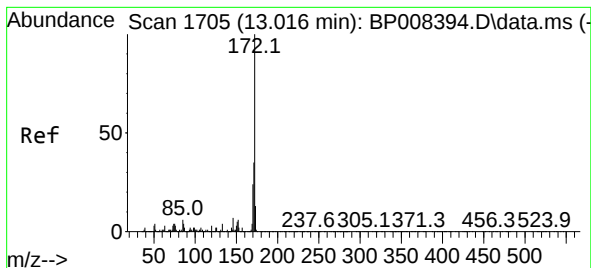
Tgt Ion:164 Resp: 123757
Ion Ratio Lower Upper
164 100
162 100.0 81.9 122.9
160 45.4 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 146.626 ng
RT: 15.886 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

Tgt Ion:330 Resp: 266670
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.4
141 31.3 28.4 42.6





#45

2-Fluorobiphenyl

Concen: 90.728 ng

RT: 12.998 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP008482.D

Acq: 17 Dec 2021 21:17

Instrument :

BNA_P

ClientSampleId :

C5

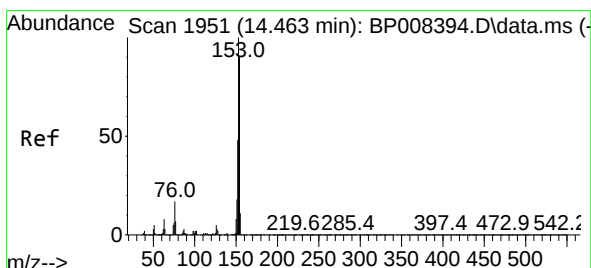
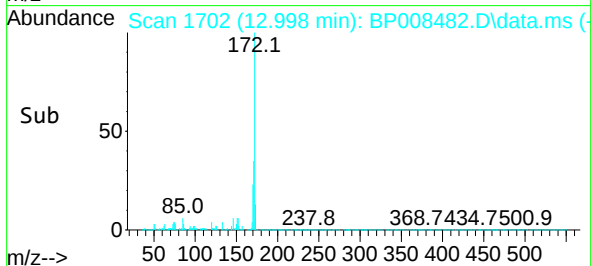
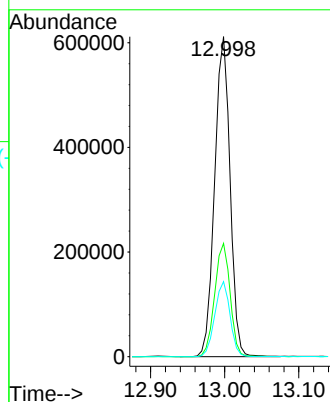
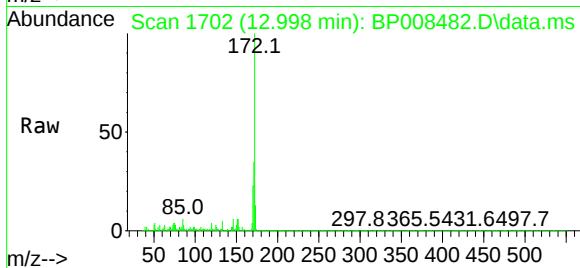
Tgt Ion:172 Resp: 883275

Ion Ratio Lower Upper

172 100

171 35.4 28.0 42.0

170 23.4 18.9 28.3



#52

Acenaphthene

Concen: 6.711 ng

RT: 14.445 min Scan# 1948

Delta R.T. -0.006 min

Lab File: BP008482.D

Acq: 17 Dec 2021 21:17

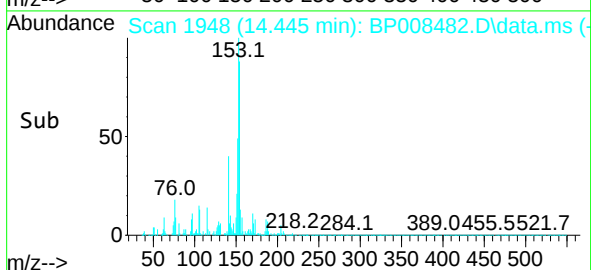
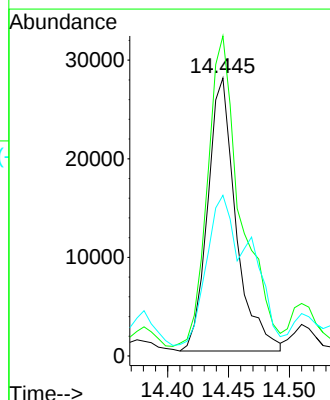
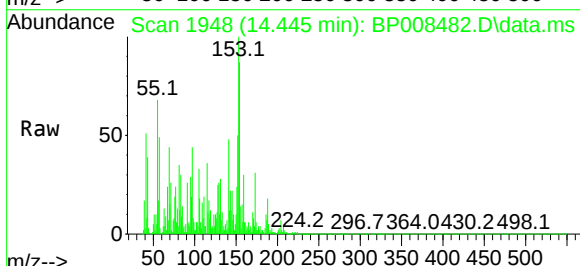
Tgt Ion:154 Resp: 44749

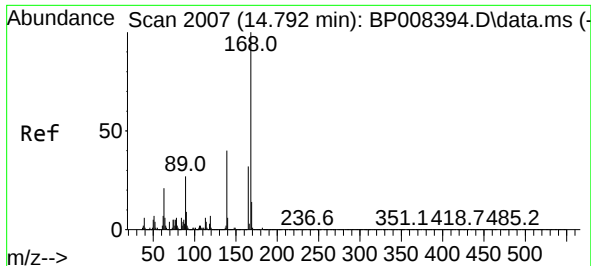
Ion Ratio Lower Upper

154 100

153 115.1 90.3 135.5

152 57.8 43.3 64.9

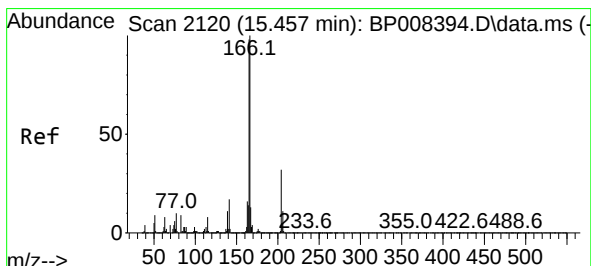
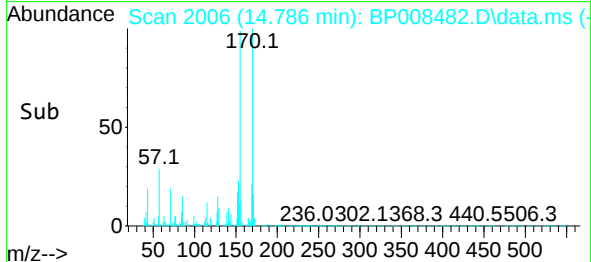
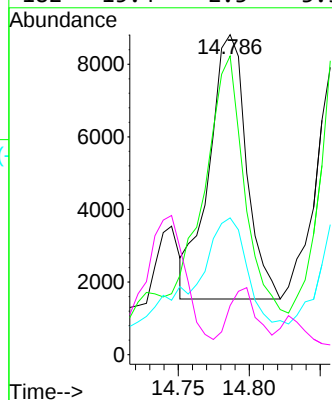
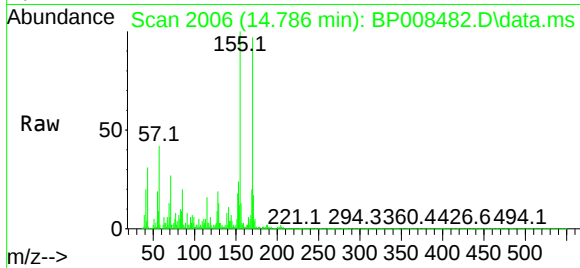




#57
2,4-Dinitrotoluene
Concen: 5.116 ng
RT: 14.786 min Scan# 2006
Delta R.T. -0.000 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

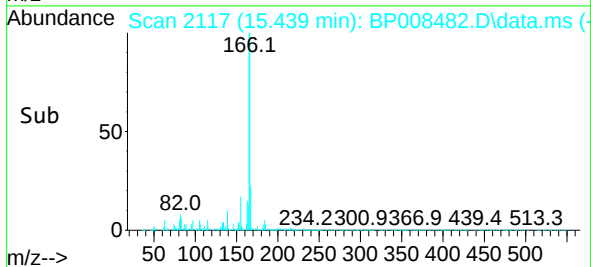
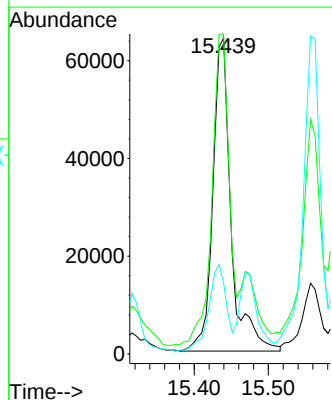
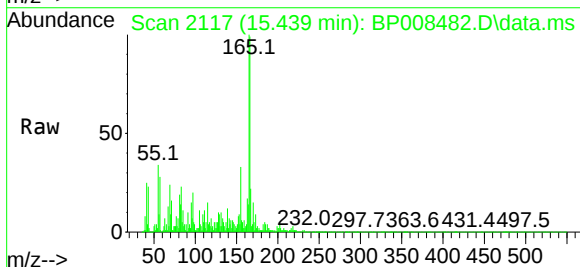
Instrument :
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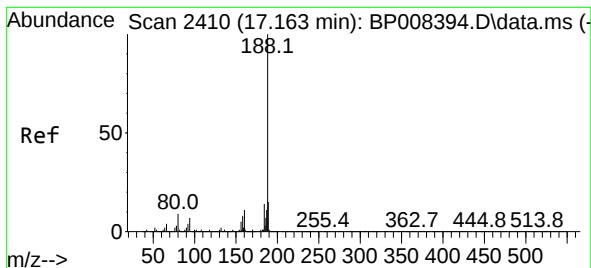
Tgt Ion:165 Resp: 13370
Ion Ratio Lower Upper
165 100
63 93.3 38.9 58.3#
89 42.8 60.5 90.7#
182 15.4 2.3 3.5#



#58
Fluorene
Concen: 12.450 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

Tgt Ion:166 Resp: 109495
Ion Ratio Lower Upper
166 100
165 101.3 79.4 119.2
167 22.6 10.9 16.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.145 min Scan# 2410

Delta R.T. -0.006 min

Lab File: BP008482.D

Acq: 17 Dec 2021 21:17

Instrument :

BNA_P

ClientSampleId :

C5

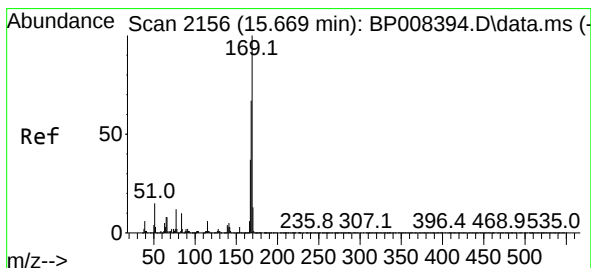
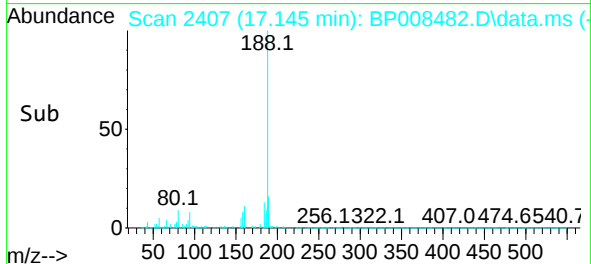
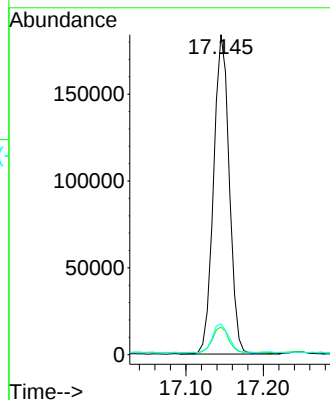
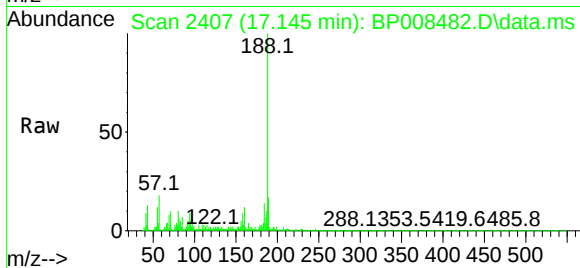
Tgt Ion:188 Resp: 260604

Ion Ratio Lower Upper

188 100

94 8.6 7.2 10.8

80 9.6 8.2 12.4



#66

n-Nitrosodiphenylamine

Concen: 10.486 ng

RT: 15.651 min Scan# 2153

Delta R.T. -0.006 min

Lab File: BP008482.D

Acq: 17 Dec 2021 21:17

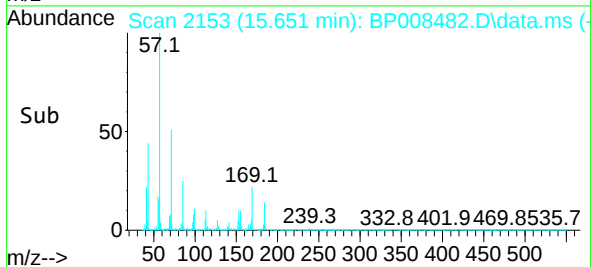
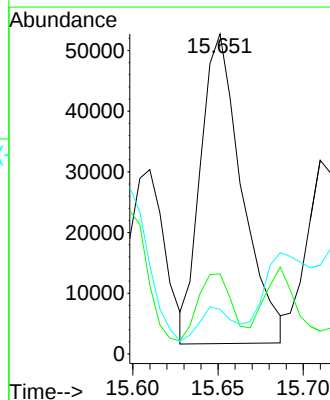
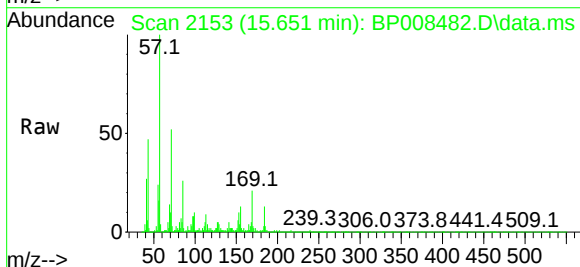
Tgt Ion:169 Resp: 86036

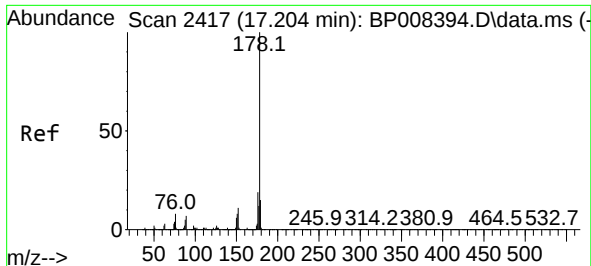
Ion Ratio Lower Upper

169 100

168 25.0 53.5 80.3#

167 13.9 29.3 43.9#

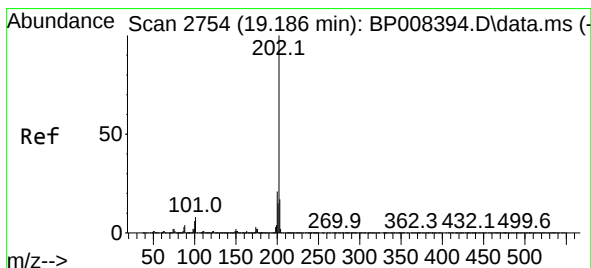
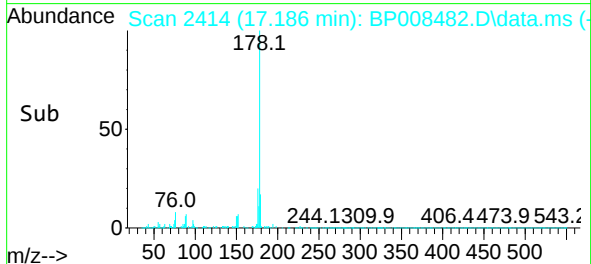
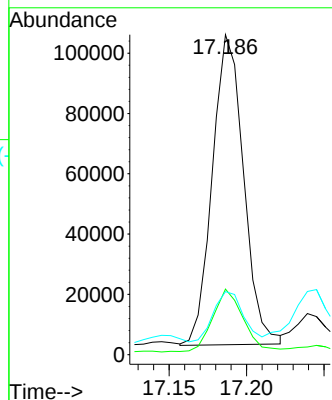
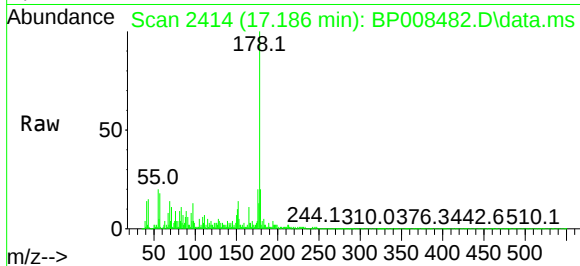




#71
Phenanthrene
Concen: 10.226 ng
RT: 17.186 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

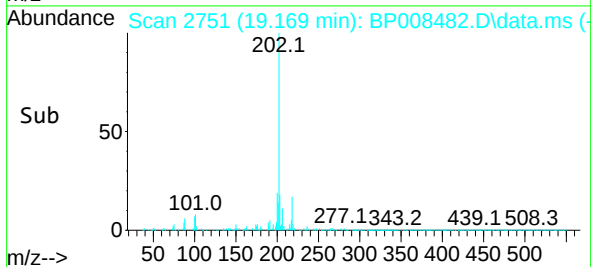
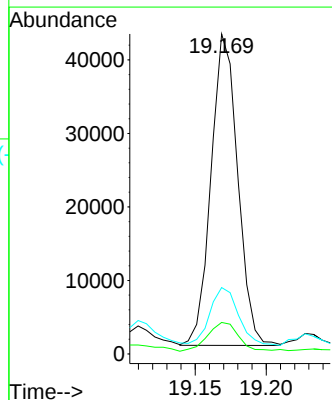
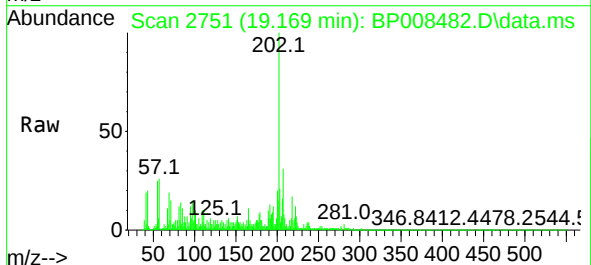
Instrument :
BNA_P
ClientSampleId :
C5

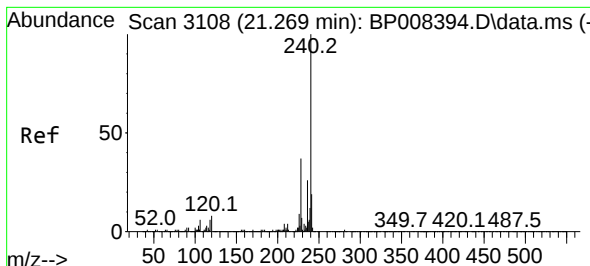
Tgt Ion:178 Resp: 144352
Ion Ratio Lower Upper
178 100
176 20.5 15.3 22.9
179 19.7 12.5 18.7#



#75
Fluoranthene
Concen: 3.471 ng
RT: 19.169 min Scan# 2751
Delta R.T. -0.006 min
Lab File: BP008482.D
Acq: 17 Dec 2021 21:17

Tgt Ion:202 Resp: 55322
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.8
203 20.7 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.257 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BP008482.D

Acq: 17 Dec 2021 21:17

Instrument :

BNA_P

ClientSampleId :

C5

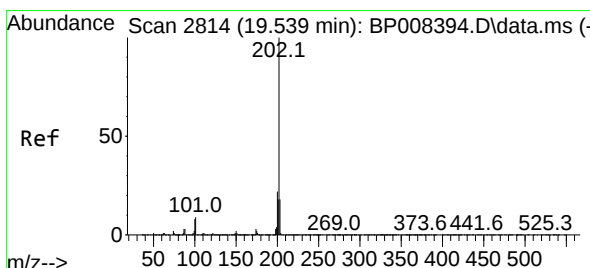
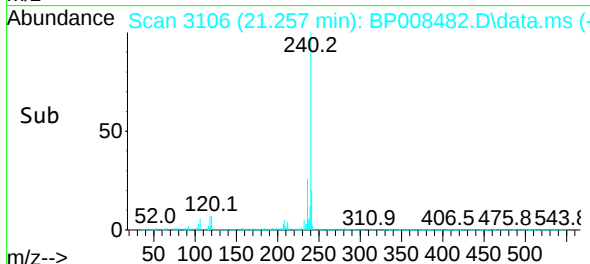
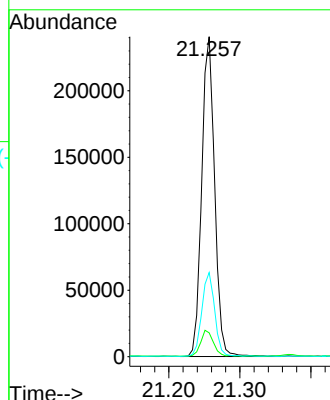
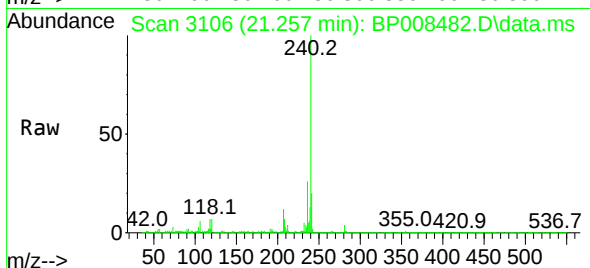
Tgt Ion:240 Resp: 304934

Ion Ratio Lower Upper

240 100

120 7.5 7.3 10.9

236 26.3 21.4 32.2



#78

Pyrene

Concen: 3.705 ng

RT: 19.522 min Scan# 2811

Delta R.T. -0.006 min

Lab File: BP008482.D

Acq: 17 Dec 2021 21:17

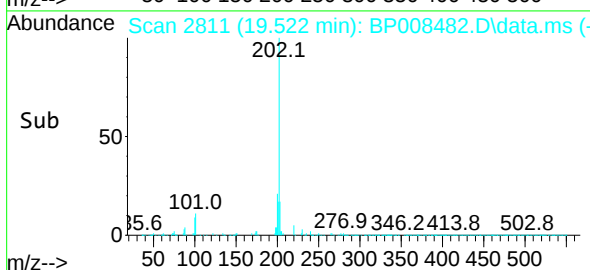
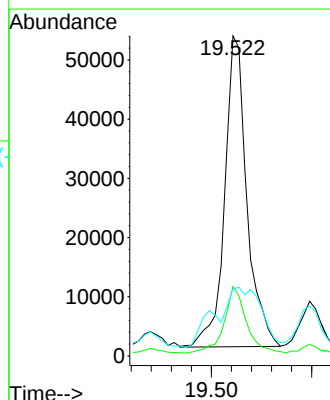
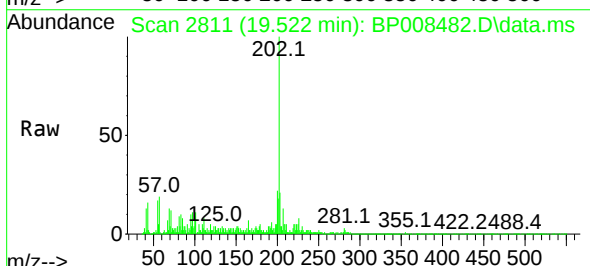
Tgt Ion:202 Resp: 80837

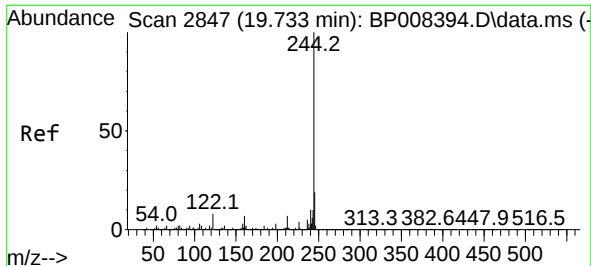
Ion Ratio Lower Upper

202 100

200 21.7 17.1 25.7

203 21.0 14.2 21.2



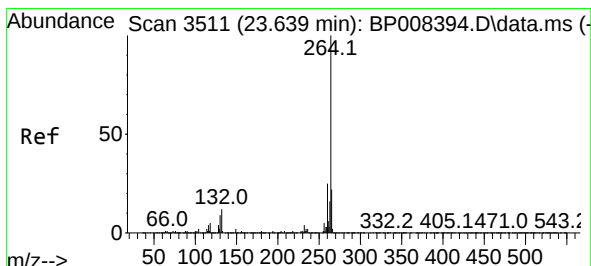
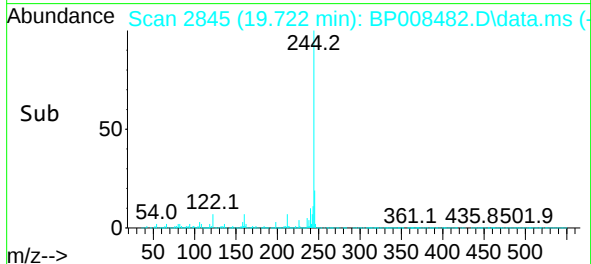
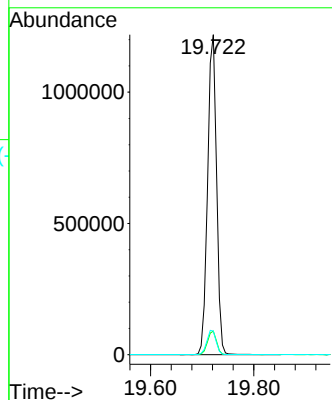
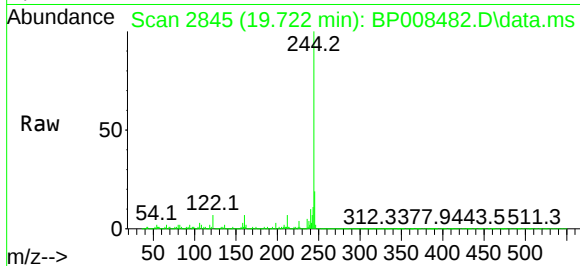


#79
 Terphenyl-d14
 Concen: 83.673 ng
 RT: 19.722 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP008482.D
 Acq: 17 Dec 2021 21:17

Instrument :
 BNA_P
 ClientSampleId :
 C5

Tgt Ion:244 Resp: 1466032

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	7.4	6.6	9.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.621 min Scan# 3508
 Delta R.T. -0.012 min
 Lab File: BP008482.D
 Acq: 17 Dec 2021 21:17

Tgt Ion:264 Resp: 347584

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	22.4	17.6	26.4

