

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
 Data File : BP008483.D
 Acq On : 17 Dec 2021 21:51
 Operator : CG/JU
 Sample : M5039-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 18 06:18:02 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 14 17:59:47 2021
 Response via : Initial Calibration

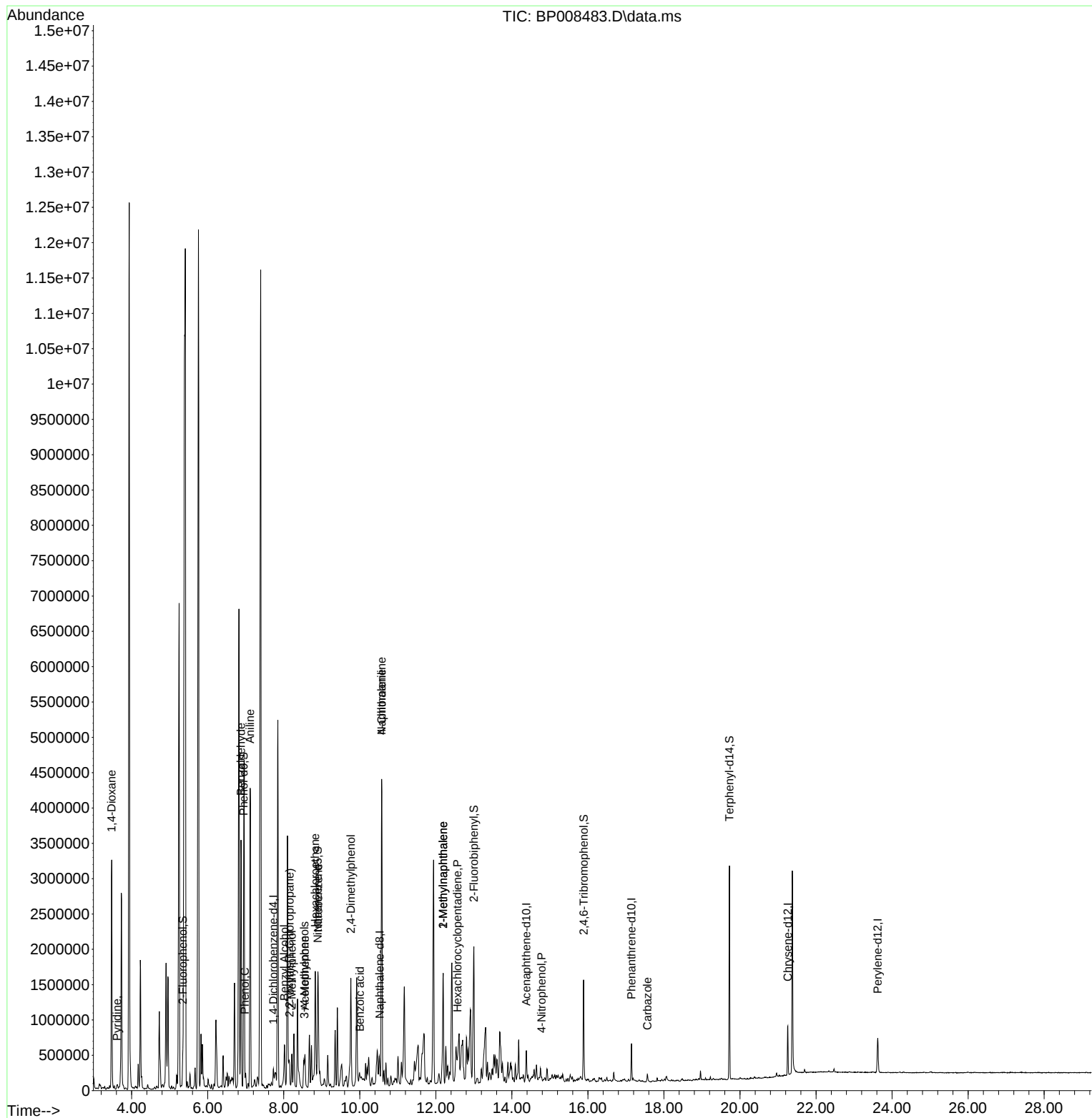
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	53226	20.000	ng	-0.02
21) Naphthalene-d8	10.522	136	211524	20.000	ng	-0.02
39) Acenaphthene-d10	14.381	164	142417	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	312495	20.000	ng	-0.02
76) Chrysene-d12	21.257	240	344224	20.000	ng	-0.01
86) Perylene-d12	23.621	264	375397	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	200770	59.569	ng	0.00
7) Phenol-d6	6.946	99	158491	35.013	ng	0.00
23) Nitrobenzene-d5	8.893	82	408909	81.898	ng	-0.02
42) 2,4,6-Tribromophenol	15.887	330	276591	132.155	ng	-0.02
45) 2-Fluorobiphenyl	12.998	172	884997	78.994	ng	-0.02
79) Terphenyl-d14	19.722	244	1403793	70.975	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.470	88	26536	18.172	ng	# 1
3) Pyridine	3.611	79	9876	2.431	ng	# 51
6) Aniline	7.116	93	13706	2.616	ng	# 1
9) Benzaldehyde	6.875	77	257416	110.868	ng	# 1
10) Phenol	6.975	94	14197	3.089	ng	# 21
15) Benzyl Alcohol	8.016	79	20044	5.505	ng	# 49
16) 2,2'-oxybis(1-Chloropr...	8.152	45	29086	5.361	ng	# 88
17) 2-Methylphenol	8.210	107	35194	11.574	ng	# 59
18) Hexachloroethane	8.828	117	170537	113.709	ng	# 1
20) 3+4-Methylphenols	8.540	107	58555	13.981	ng	# 50
22) Acetophenone	8.558	105	179313	28.826	ng	# 97
24) Nitrobenzene	8.905	77	30134	6.430	ng	# 1
27) 2,4-Dimethylphenol	9.763	122	253795	85.458	ng	# 89
31) Naphthalene	10.575	128	3359071	302.828	ng	# 99
32) Benzoic acid	10.005	122	22059	10.132	ng	# 56
33) 4-Chloroaniline	10.575	127	463083	104.214	ng	# 32
37) 2-Methylnaphthalene	12.193	142	647788	84.732	ng	# 97
38) 1-Methylnaphthalene	12.193	142	647788	87.032	ng	# 97
41) Hexachlorocyclopentadiene	12.569	237	16	8.661	ng	# 85
56) 4-Nitrophenol	14.781	139	2835	2.303	ng	# 92
73) Carbazole	17.563	167	55021	3.600	ng	# 96

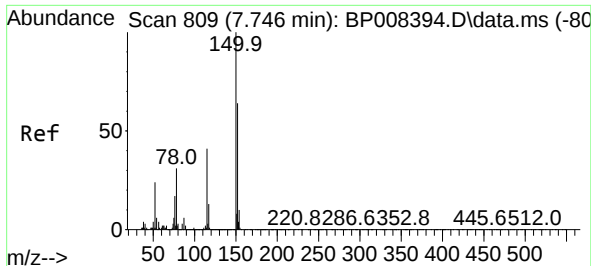
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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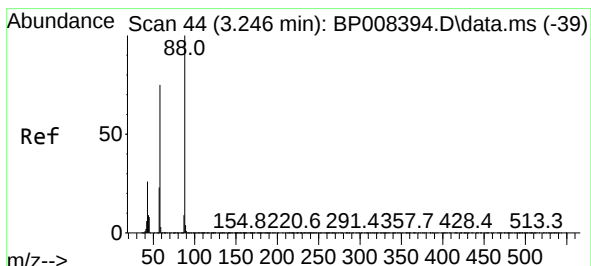
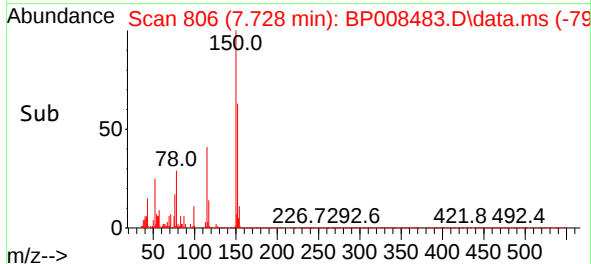
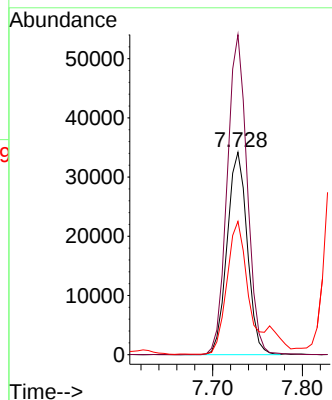
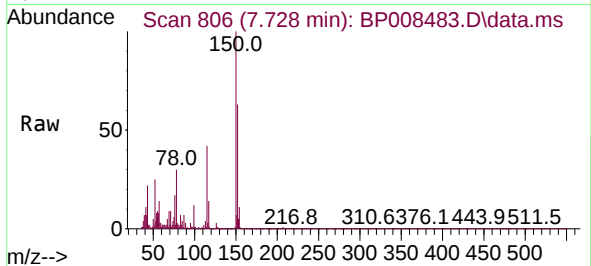




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.728 min Scan# 80
 Delta R.T. -0.018 min
 Lab File: BP008483.D
 Acq: 17 Dec 2021 21:51

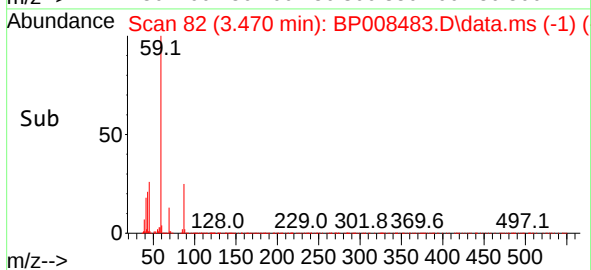
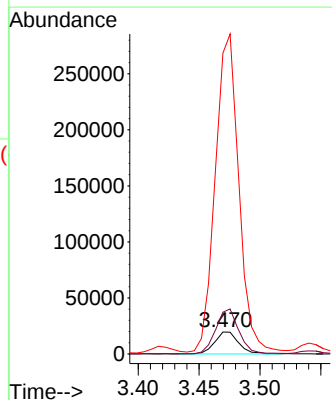
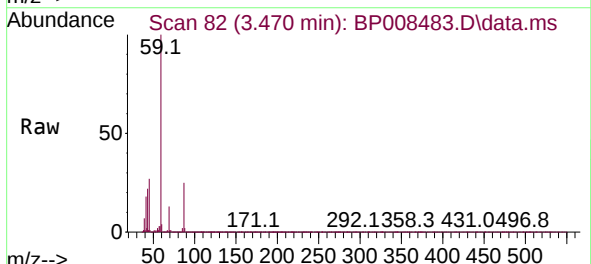
Instrument :
 BNA_P
 ClientSampleId :

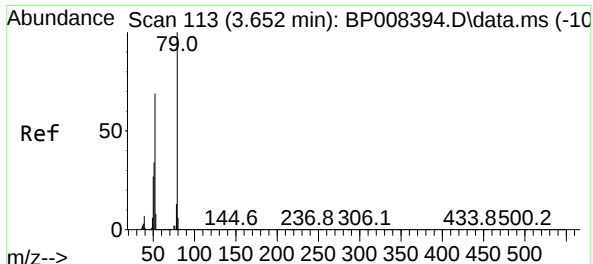
Tgt Ion:152 Resp: 53226
 Ion Ratio Lower Upper
 152 100
 150 158.1 125.7 188.5
 115 65.8 50.7 76.1



#2
 1,4-Dioxane
 Concen: 18.172 ng
 RT: 3.470 min Scan# 82
 Delta R.T. 0.224 min
 Lab File: BP008483.D
 Acq: 17 Dec 2021 21:51

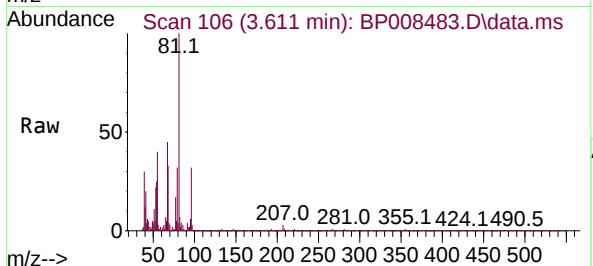
Tgt Ion: 88 Resp: 26536
 Ion Ratio Lower Upper
 88 100
 58 197.6 63.5 95.3#
 43 1433.4 23.4 35.2#



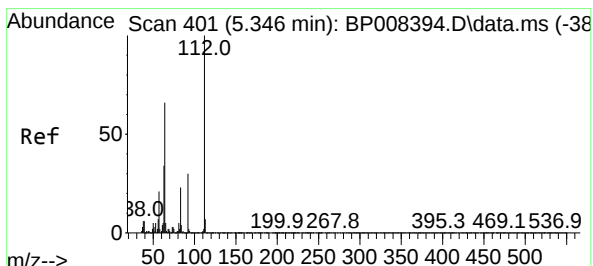
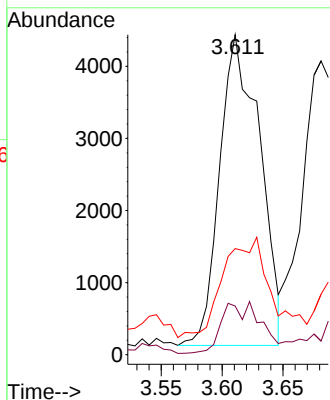
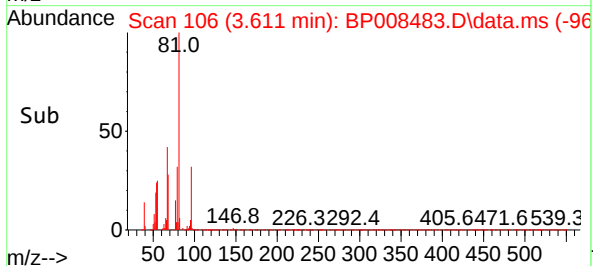


#3
Pyridine
Concen: 2.431 ng
RT: 3.611 min Scan# 106
Delta R.T. -0.041 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

Instrument :
BNA_P
ClientSampleId :

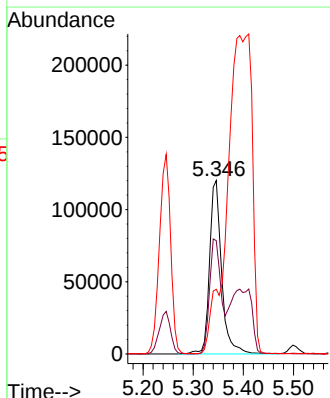
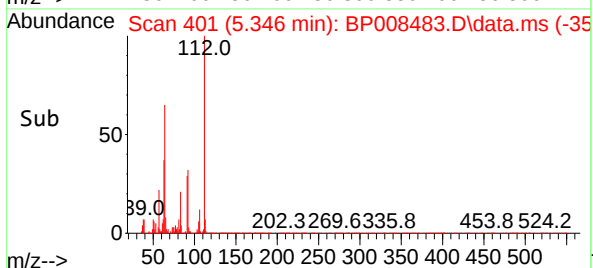
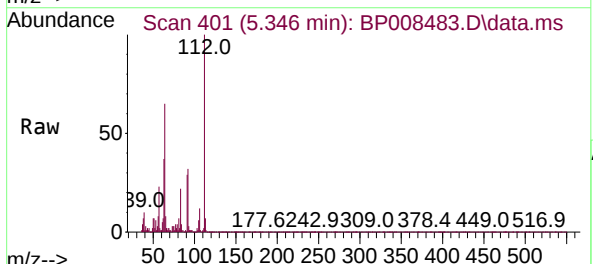


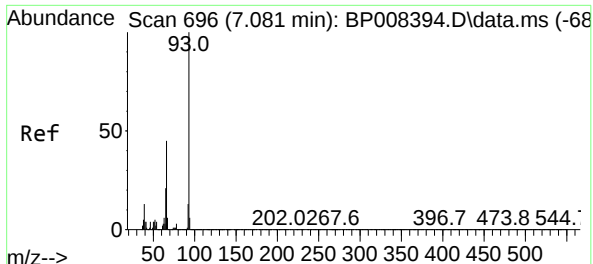
Tgt Ion: 79 Resp: 9876
Ion Ratio Lower Upper
79 100
52 15.2 60.0 90.0#
51 33.2 29.6 44.4



#5
2-Fluorophenol
Concen: 59.569 ng
RT: 5.346 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

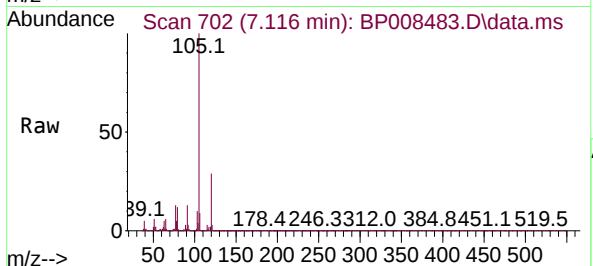
Tgt Ion: 112 Resp: 200770
Ion Ratio Lower Upper
112 100
64 65.3 53.4 80.2
63 37.3 27.8 41.8



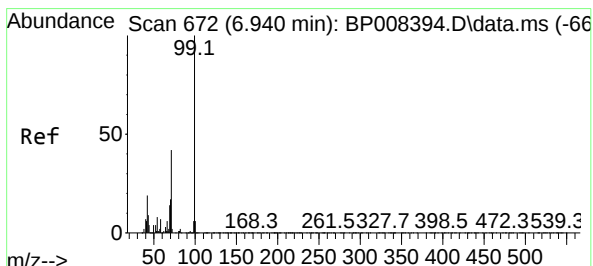
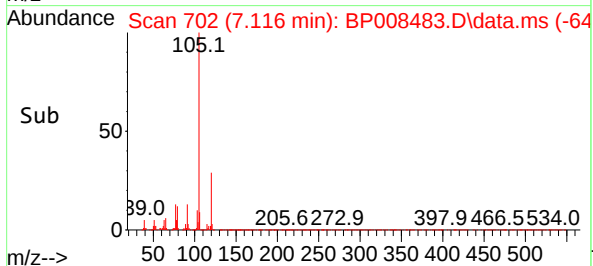
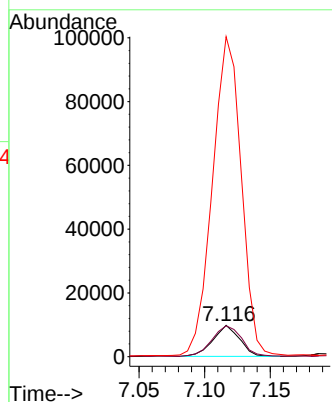


#6
Aniline
Concen: 2.616 ng
RT: 7.116 min Scan# 702
Delta R.T. 0.035 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

Instrument :
BNA_P
ClientSampleId :

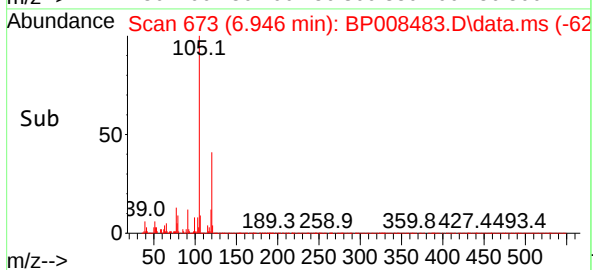
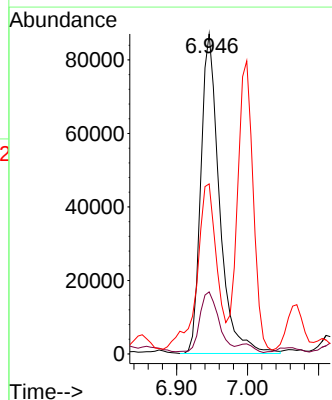
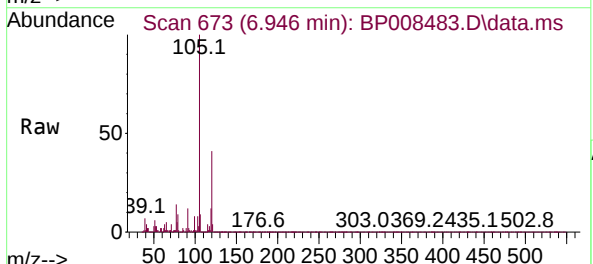


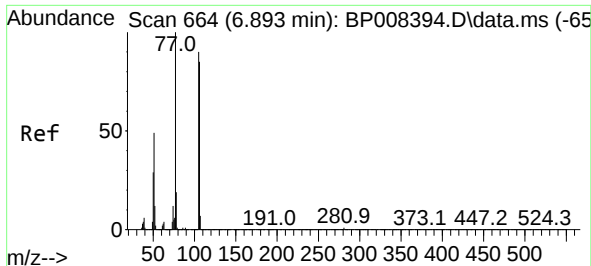
Tgt Ion: 93 Resp: 13706
Ion Ratio Lower Upper
93 100
66 98.3 32.9 49.3#
65 1020.9 17.5 26.3#



#7
Phenol-d6
Concen: 35.013 ng
RT: 6.946 min Scan# 673
Delta R.T. 0.006 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

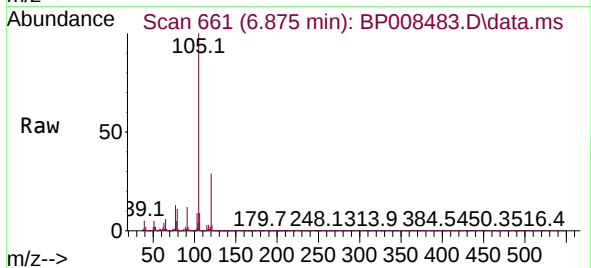
Tgt Ion: 99 Resp: 158491
Ion Ratio Lower Upper
99 100
42 19.4 14.6 22.0
71 53.2 31.1 46.7#



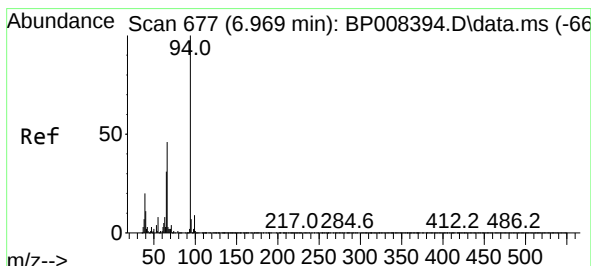
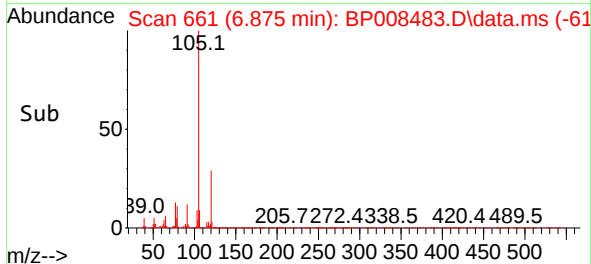
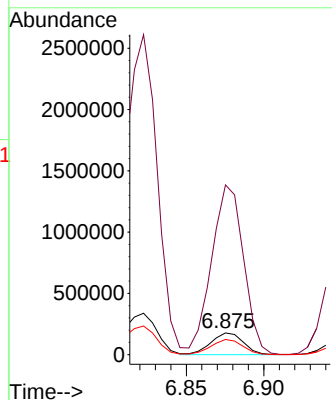


#9
Benzaldehyde
Concen: 110.868 ng
RT: 6.875 min Scan# 61
Delta R.T. -0.018 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

Instrument :
BNA_P
ClientSampleId :

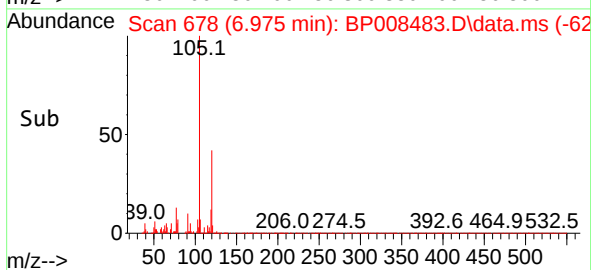
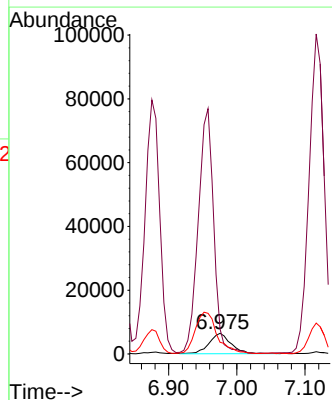
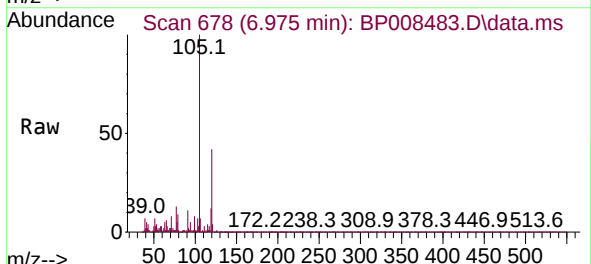


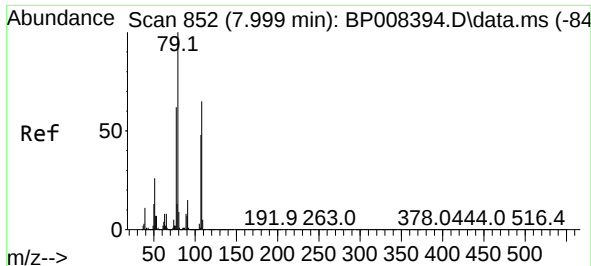
Tgt Ion: 77 Resp: 257416
Ion Ratio Lower Upper
77 100
105 779.5 71.8 111.8#
106 69.6 67.3 107.3



#10
Phenol
Concen: 3.089 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.006 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

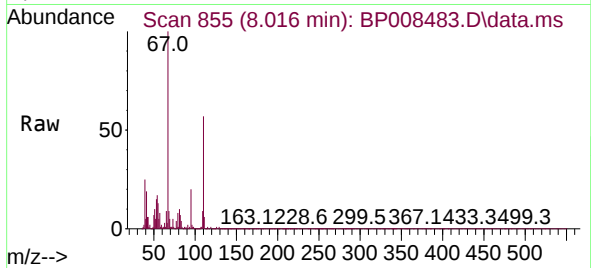
Tgt Ion: 94 Resp: 14197
Ion Ratio Lower Upper
94 100
65 121.2 10.9 50.9#
66 56.5 24.3 64.3



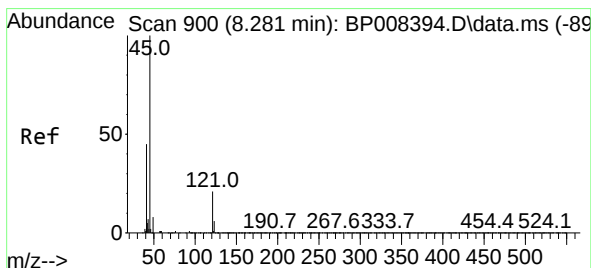
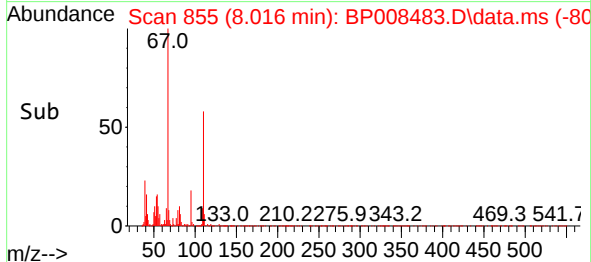
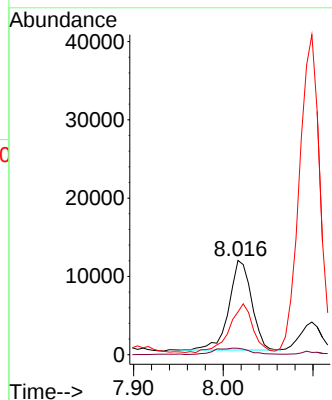


#15
Benzyl Alcohol
Concen: 5.505 ng
RT: 8.016 min Scan# 81
Delta R.T. 0.018 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

Instrument :
BNA_P
ClientSampleId :

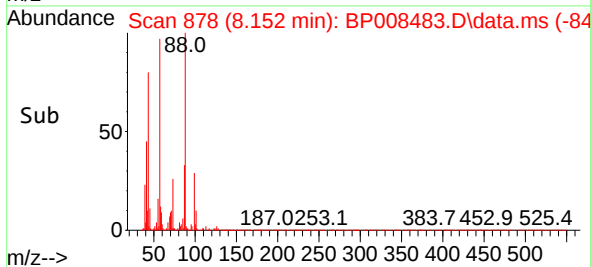
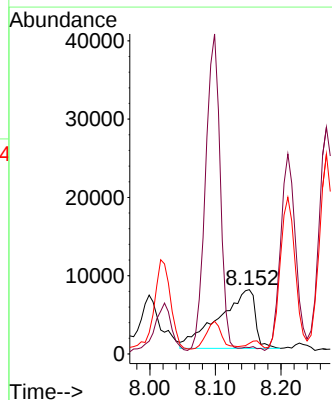
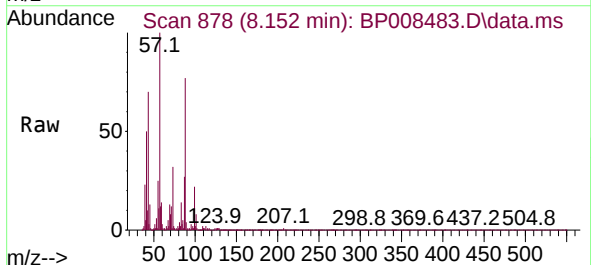


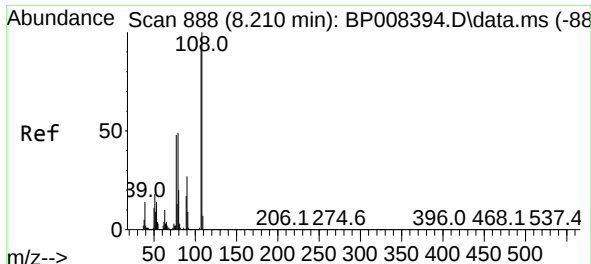
Tgt Ion: 79 Resp: 20044
Ion Ratio Lower Upper
79 100
108 6.9 55.5 83.3#
77 45.4 51.0 76.6#



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.361 ng
RT: 8.152 min Scan# 878
Delta R.T. -0.129 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

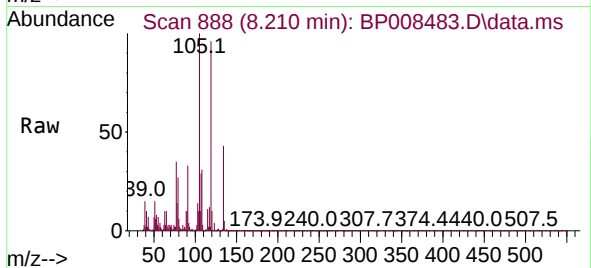
Tgt Ion: 45 Resp: 29086
Ion Ratio Lower Upper
45 100
77 10.0 0.0 33.8
79 16.6 0.0 30.4



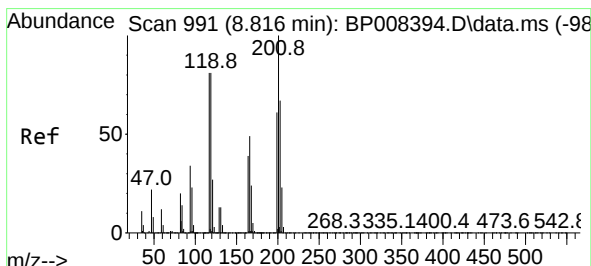
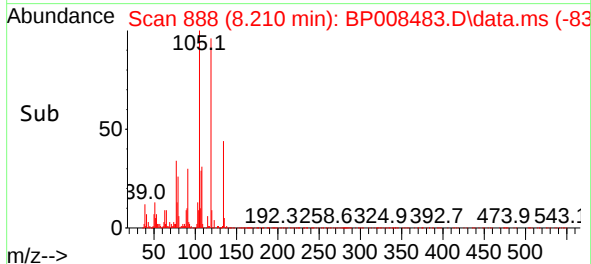
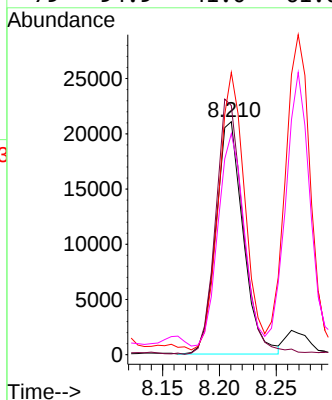


#17
2-Methylphenol
Concen: 11.574 ng
RT: 8.210 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

Instrument :
BNA_P
ClientSampleId :

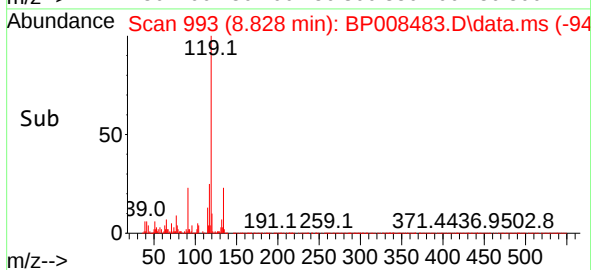
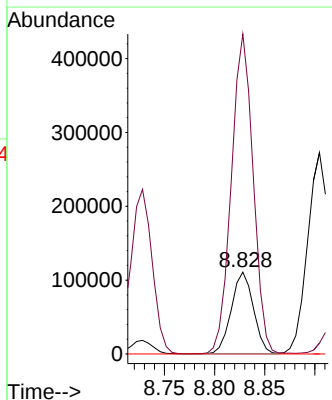
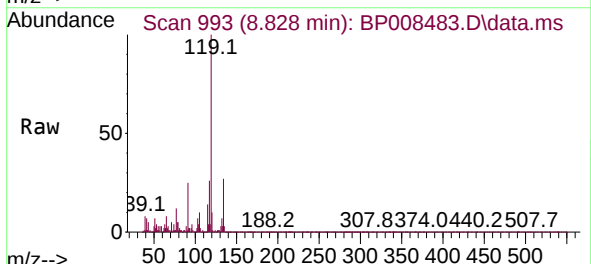


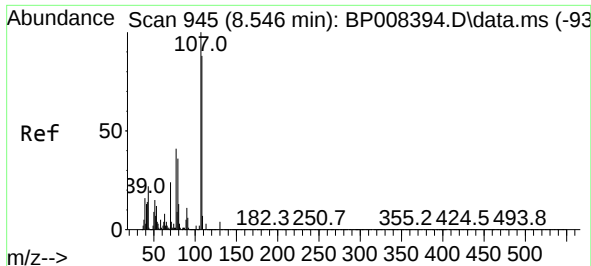
Tgt Ion:	107	Resp:	35194
Ion	Ratio	Lower	Upper
107	100		
108	107.0	90.2	135.2
77	121.2	41.3	61.9#
79	94.9	41.0	61.6#



#18
Hexachloroethane
Concen: 113.709 ng
RT: 8.828 min Scan# 993
Delta R.T. 0.012 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

Tgt Ion:	117	Resp:	170537
Ion	Ratio	Lower	Upper
117	100		
119	391.1	74.7	112.1#
201	0.0	88.6	132.8#





#20

3+4-Methylphenols

Concen: 13.981 ng

RT: 8.540 min Scan# 94

Delta R.T. -0.006 min

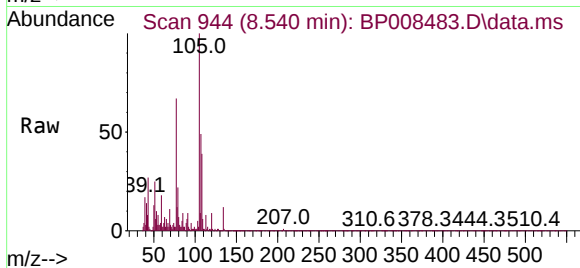
Lab File: BP008483.D

Acq: 17 Dec 2021 21:51

Instrument :

BNA_P

ClientSampleId :



Tgt Ion:107 Resp: 58555

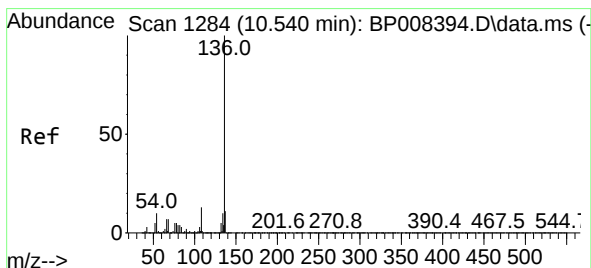
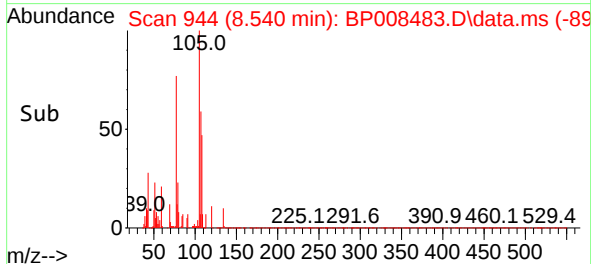
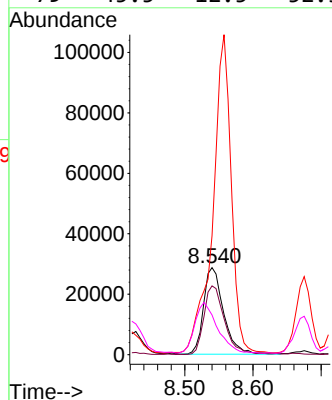
Ion Ratio Lower Upper

107 100

108 79.0 68.2 108.2

77 136.6 16.9 56.9#

79 45.5 12.5 52.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.522 min Scan# 1281

Delta R.T. -0.018 min

Lab File: BP008483.D

Acq: 17 Dec 2021 21:51

Tgt Ion:136 Resp: 211524

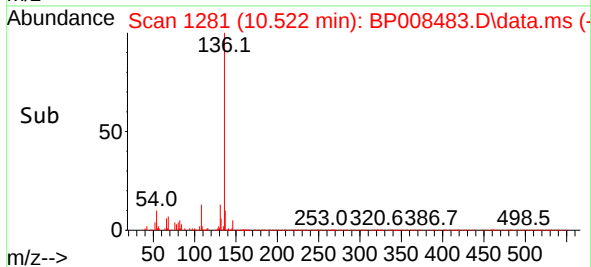
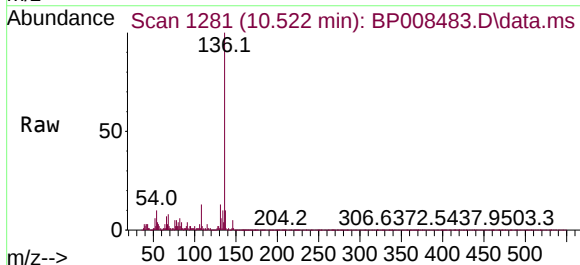
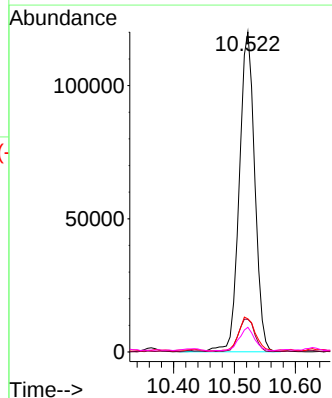
Ion Ratio Lower Upper

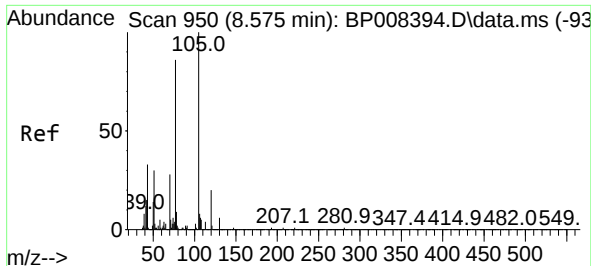
136 100

137 10.2 9.0 13.6

54 10.4 8.2 12.4

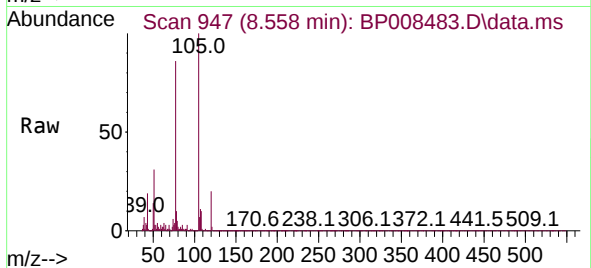
68 7.7 5.8 8.8



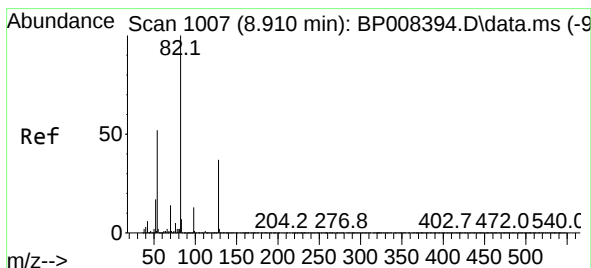
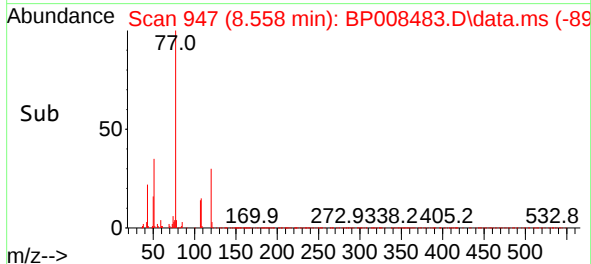
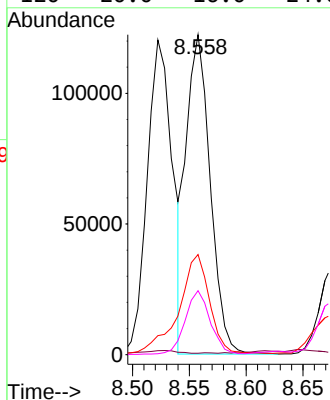


#22
Acetophenone
Concen: 28.826 ng
RT: 8.558 min Scan# 94
Delta R.T. -0.018 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

Instrument :
BNA_P
ClientSampleId :

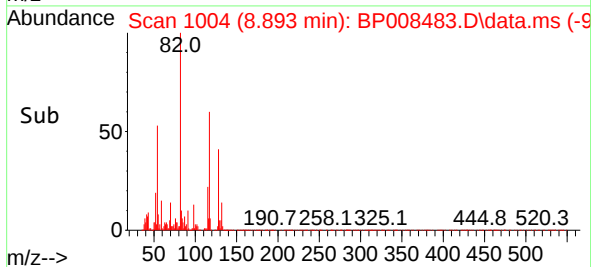
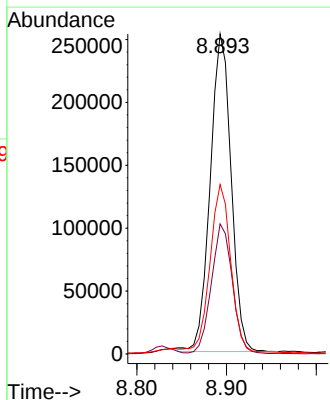
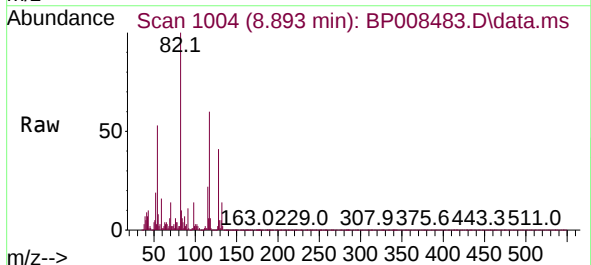


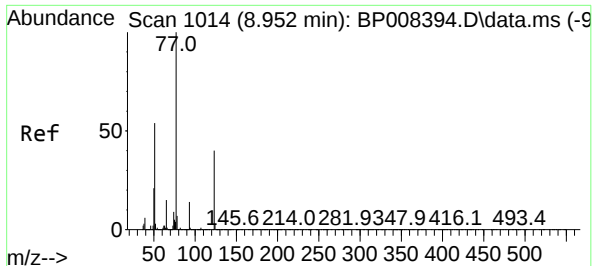
Tgt Ion:105 Resp: 179313
Ion Ratio Lower Upper
105 100
71 0.4 4.0 6.0#
51 31.3 23.8 35.6
120 20.0 16.0 24.0



#23
Nitrobenzene-d5
Concen: 81.898 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.018 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

Tgt Ion: 82 Resp: 408909
Ion Ratio Lower Upper
82 100
128 40.7 29.6 44.4
54 53.0 42.7 64.1

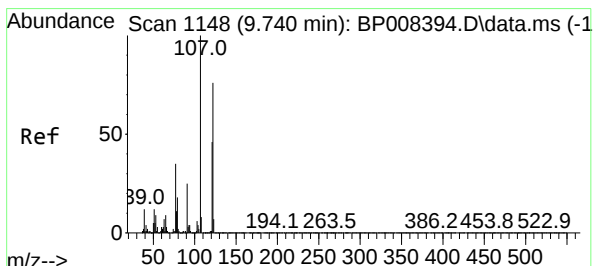
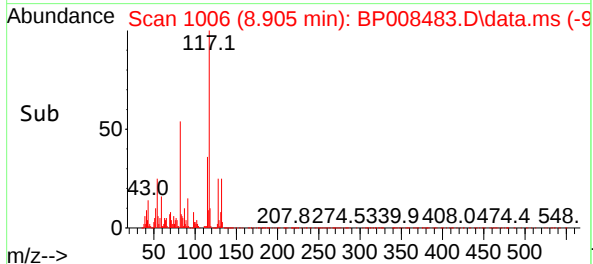
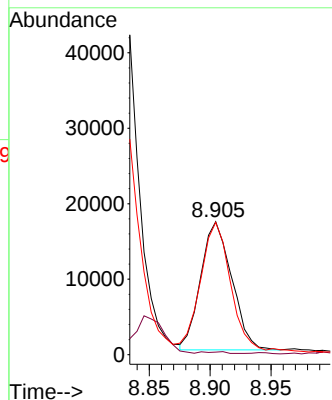
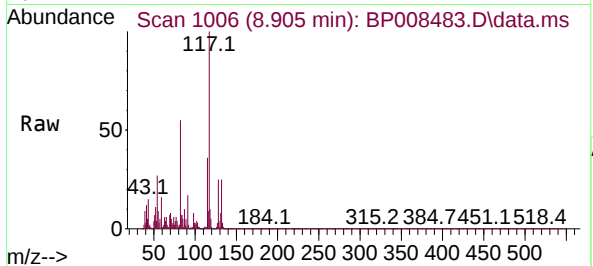




#24
Nitrobenzene
Concen: 6.430 ng
RT: 8.905 min Scan# 1014
Delta R.T. -0.047 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

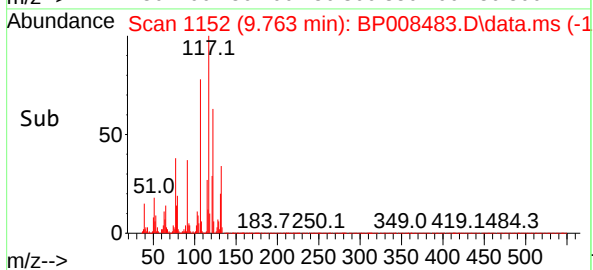
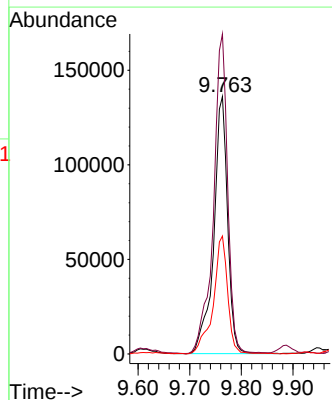
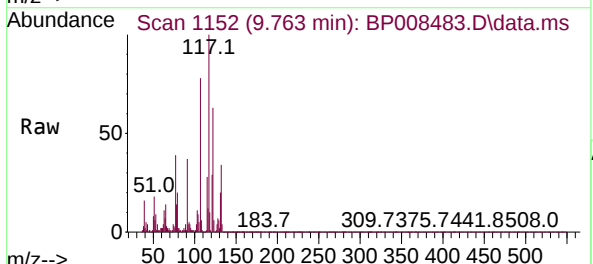
Instrument :
BNA_P
ClientSampleId :

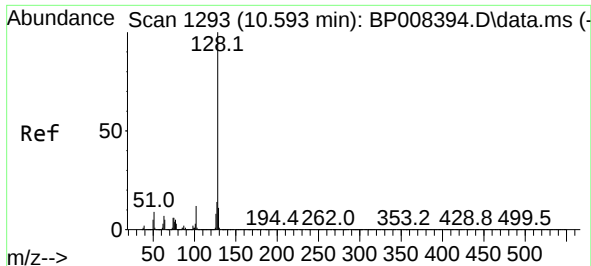
Tgt Ion: 77 Resp: 30134
Ion Ratio Lower Upper
77 100
123 1.9 30.4 45.6#
65 99.5 11.3 16.9#



#27
2,4-Dimethylphenol
Concen: 85.458 ng
RT: 9.763 min Scan# 1152
Delta R.T. 0.024 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

Tgt Ion: 122 Resp: 253795
Ion Ratio Lower Upper
122 100
107 124.3 106.6 160.0
121 45.8 48.1 72.1#

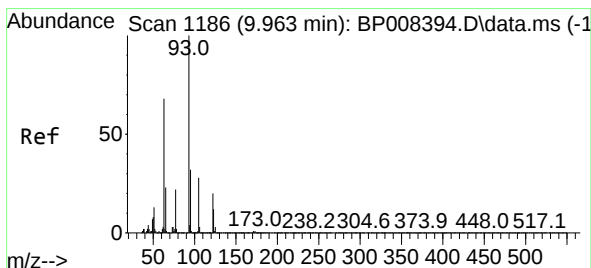
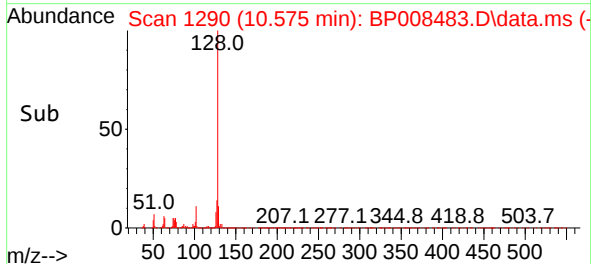
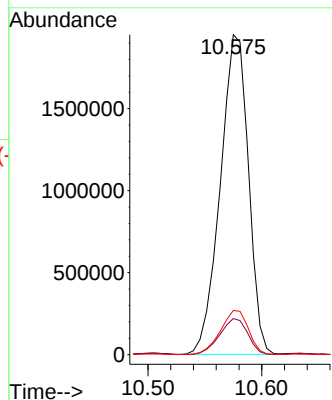
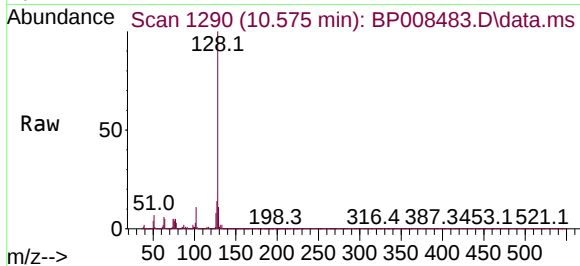




#31
Naphthalene
Concen: 302.828 ng
RT: 10.575 min Scan# 1193
Delta R.T. -0.018 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

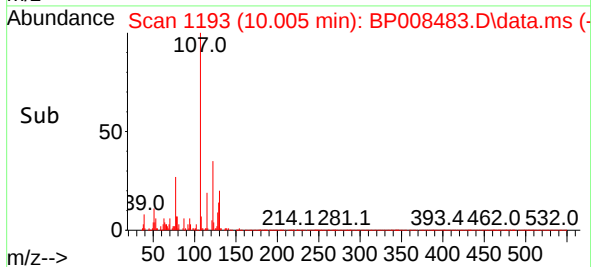
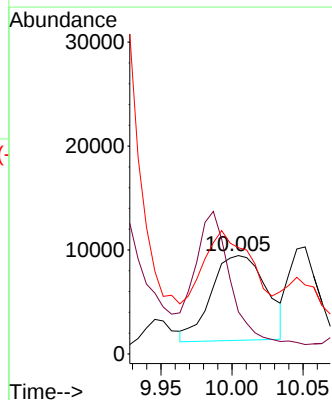
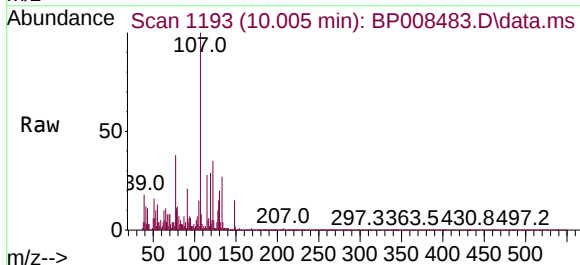
Instrument :
BNA_P
ClientSampleId :

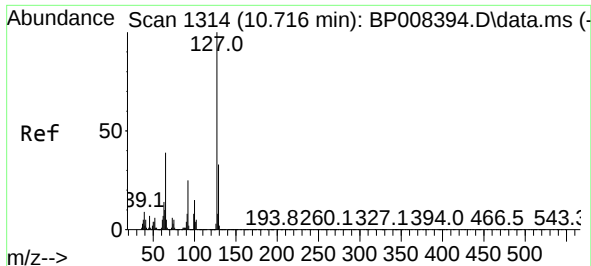
Tgt Ion:128 Resp: 3359071
Ion Ratio Lower Upper
128 100
129 11.3 8.5 12.7
127 13.8 10.9 16.3



#32
Benzoic acid
Concen: 10.132 ng
RT: 10.005 min Scan# 1193
Delta R.T. 0.041 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

Tgt Ion:122 Resp: 22059
Ion Ratio Lower Upper
122 100
105 42.7 117.4 157.4#
77 108.0 89.2 129.2

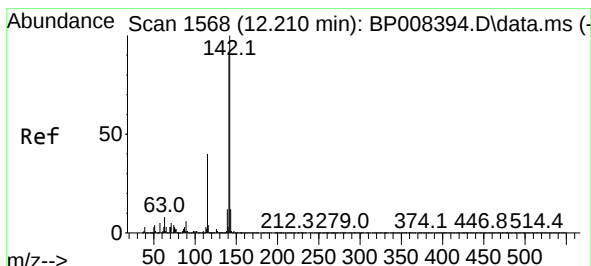
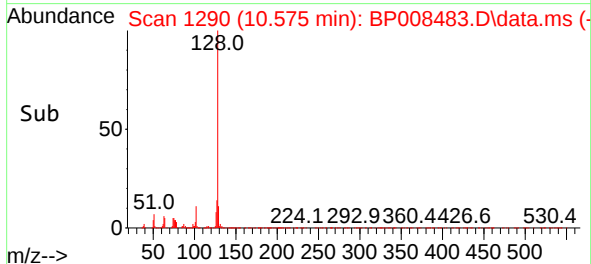
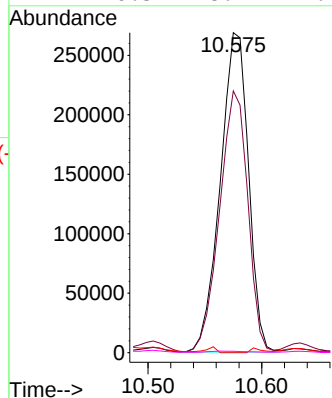
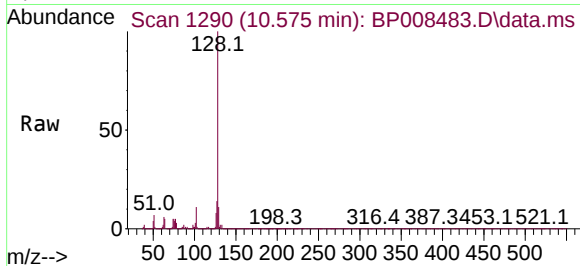




#33
4-Chloroaniline
Concen: 104.214 ng
RT: 10.575 min Scan# 11
Delta R.T. -0.141 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

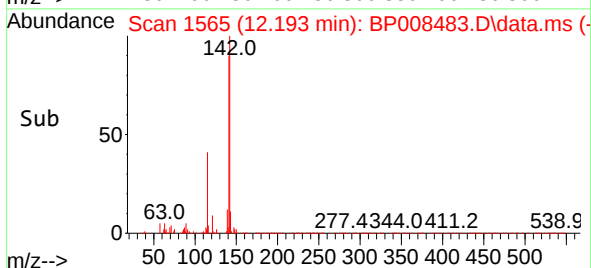
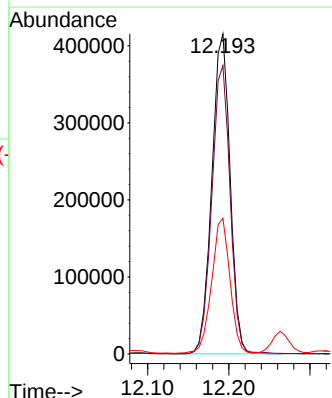
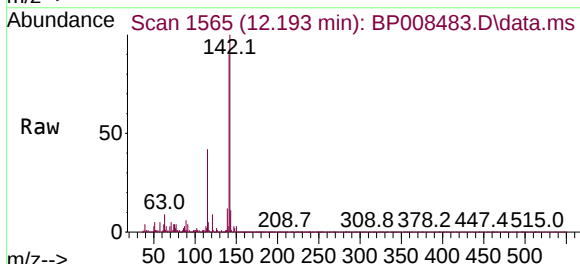
Instrument :
BNA_P
ClientSampleId :

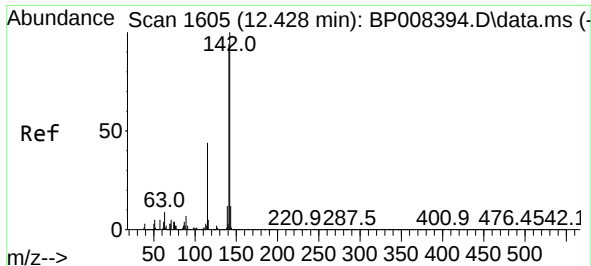
Tgt Ion:	127	Resp:	463083
Ion	Ratio	Lower	Upper
127	100		
129	81.8	25.4	38.2#
65	0.0	29.5	44.3#
92	0.5	18.2	27.4#



#37
2-Methylnaphthalene
Concen: 84.732 ng
RT: 12.193 min Scan# 1565
Delta R.T. -0.018 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

Tgt Ion:	142	Resp:	647788
Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.7	106.1
115	42.4	30.9	46.3

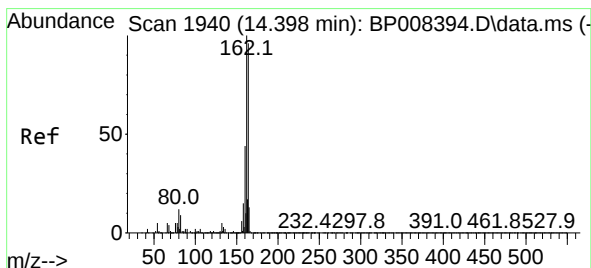
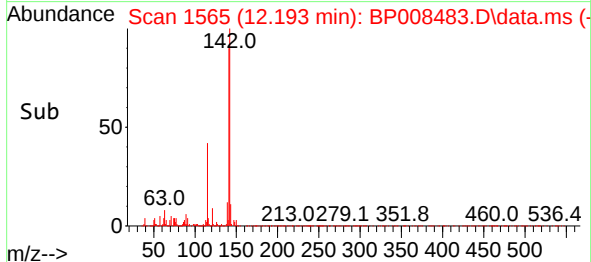
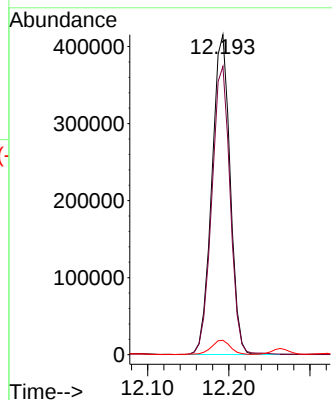
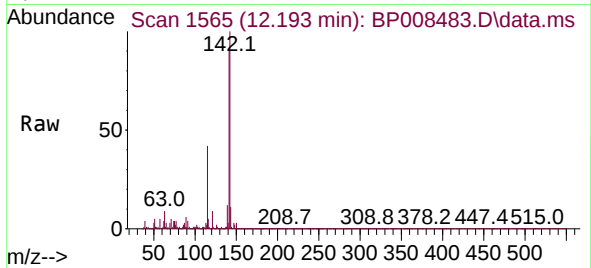




#38
1-Methylnaphthalene
Concen: 87.032 ng
RT: 12.193 min Scan# 11
Delta R.T. -0.235 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

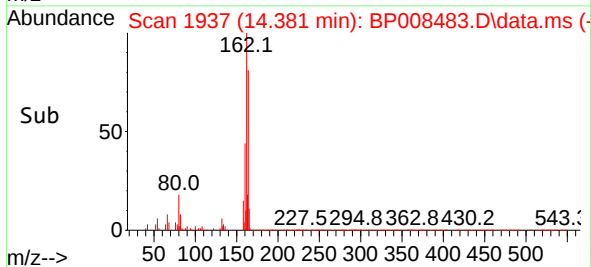
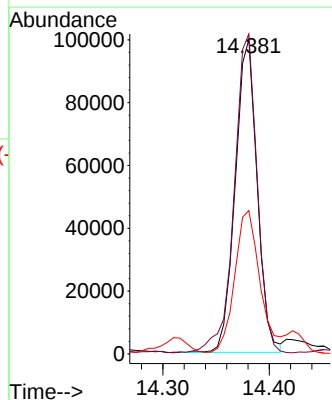
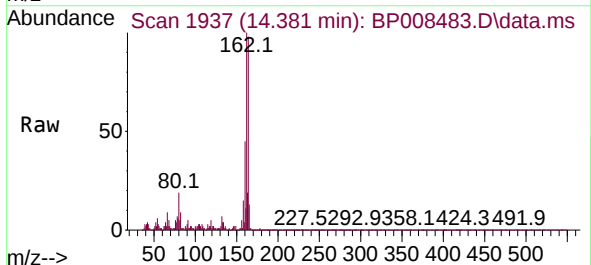
Instrument :
BNA_P
ClientSampleId :

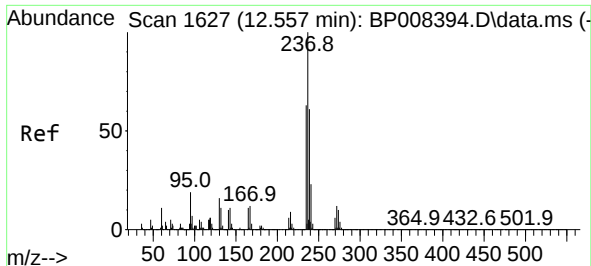
Tgt Ion:142 Resp: 647788
Ion Ratio Lower Upper
142 100
141 90.1 74.2 111.4
116 4.5 3.4 5.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1937
Delta R.T. -0.017 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

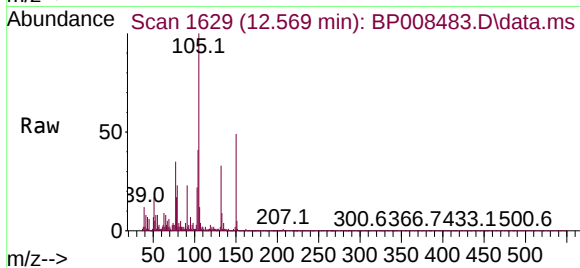
Tgt Ion:164 Resp: 142417
Ion Ratio Lower Upper
164 100
162 101.7 81.9 122.9
160 45.6 35.4 53.0



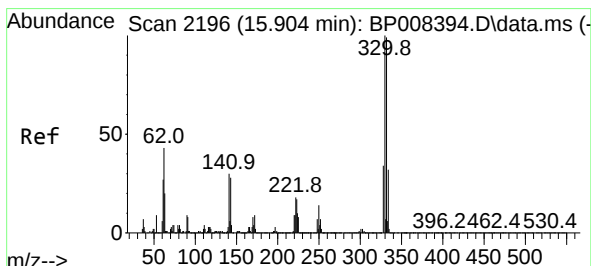
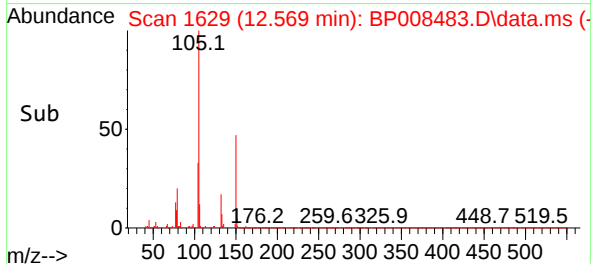
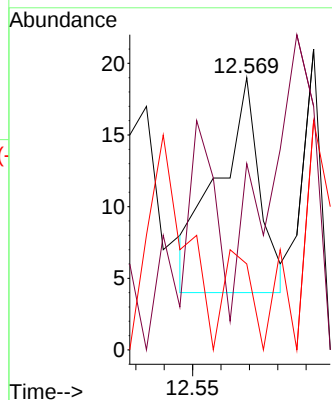


#41
Hexachlorocyclopentadiene
Concen: 8.661 ng
RT: 12.569 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

Instrument :
BNA_P
ClientSampleId :

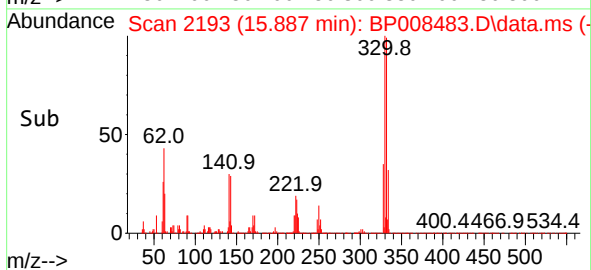
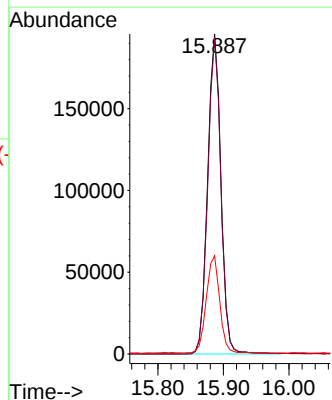
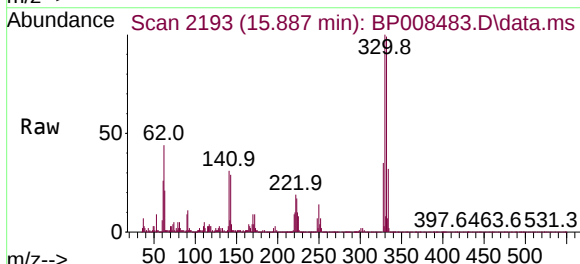


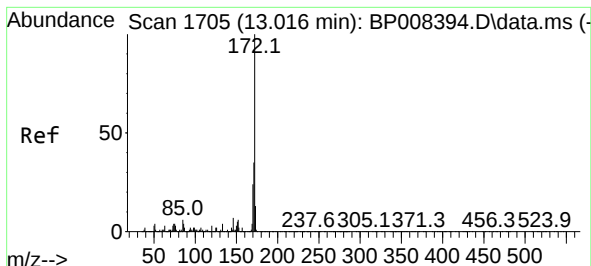
Tgt Ion:	237	Resp:	16
Ion	Ratio	Lower	Upper
237	100		
235	68.4	42.3	82.3
272	31.6	0.0	32.2



#42
2,4,6-Tribromophenol
Concen: 132.155 ng
RT: 15.887 min Scan# 2193
Delta R.T. -0.018 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

Tgt Ion:	330	Resp:	276591
Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.4
141	30.6	28.4	42.6





#45

2-Fluorobiphenyl

Concen: 78.994 ng

RT: 12.998 min Scan# 1

Delta R.T. -0.018 min

Lab File: BP008483.D

Acq: 17 Dec 2021 21:51

Instrument :

BNA_P

ClientSampleId :

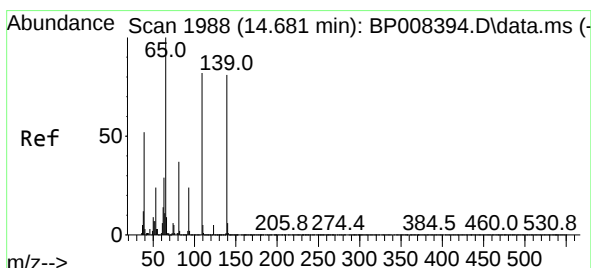
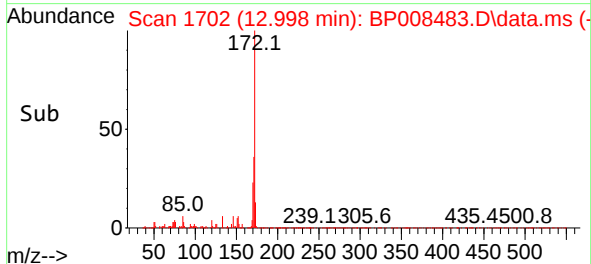
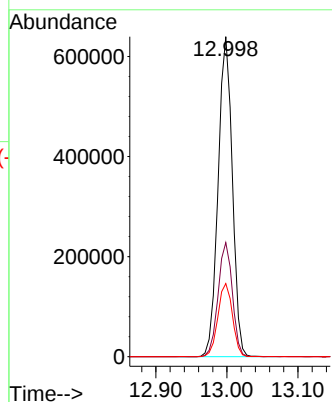
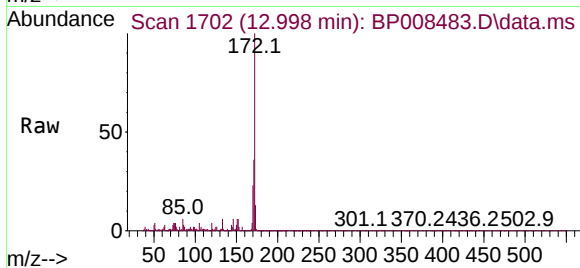
Tgt Ion:172 Resp: 884997

Ion Ratio Lower Upper

172 100

171 35.6 28.0 42.0

170 22.9 18.9 28.3



#56

4-Nitrophenol

Concen: 2.303 ng

RT: 14.781 min Scan# 2005

Delta R.T. 0.100 min

Lab File: BP008483.D

Acq: 17 Dec 2021 21:51

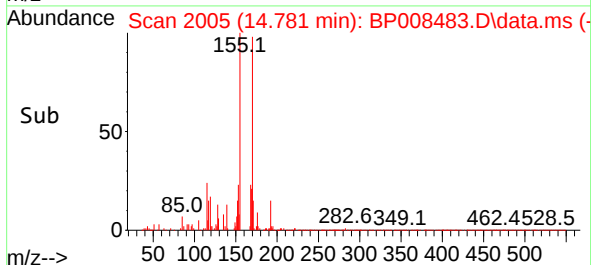
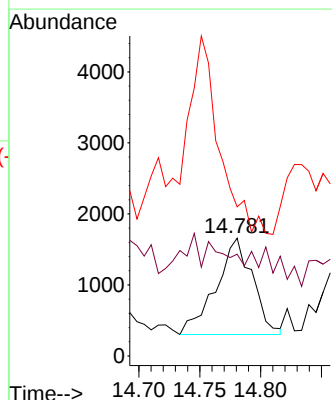
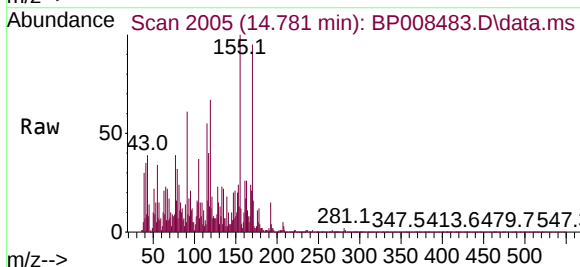
Tgt Ion:139 Resp: 2835

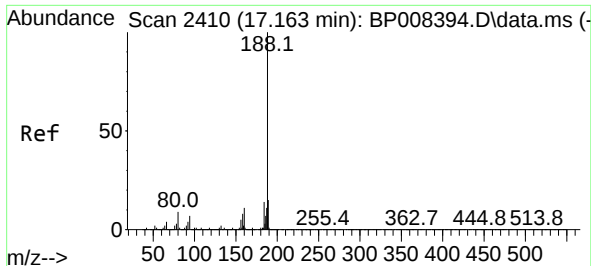
Ion Ratio Lower Upper

139 100

109 86.4 65.9 105.9

65 126.7 91.9 131.9

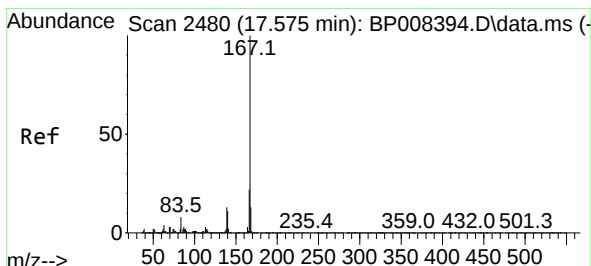
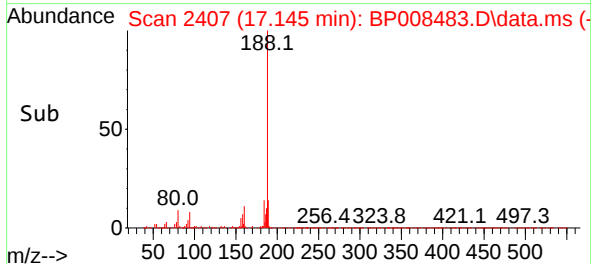
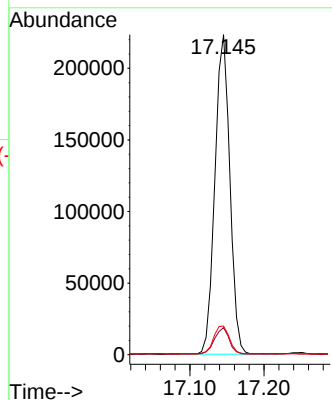
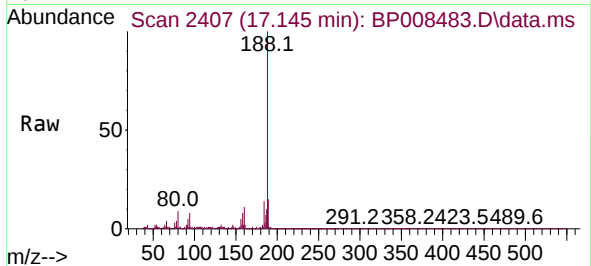




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2410
Delta R.T. -0.018 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

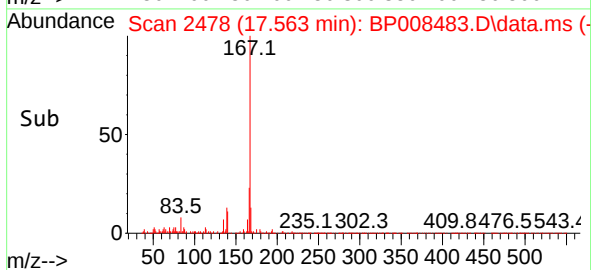
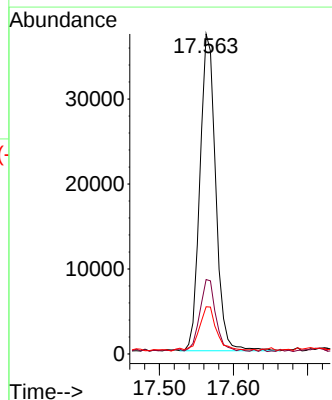
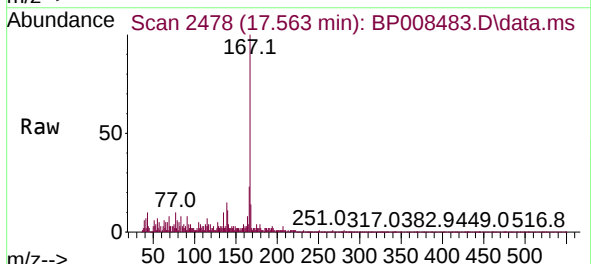
Instrument :
BNA_P
ClientSampleId :

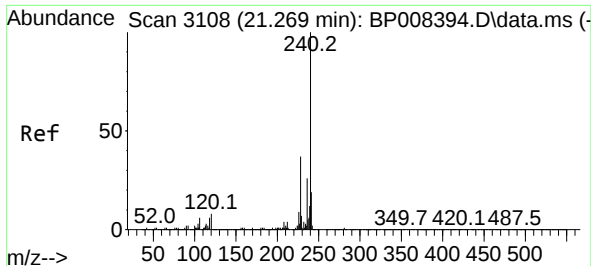
Tgt Ion:188 Resp: 312495
Ion Ratio Lower Upper
188 100
94 8.5 7.2 10.8
80 9.0 8.2 12.4



#73
Carbazole
Concen: 3.600 ng
RT: 17.563 min Scan# 2478
Delta R.T. -0.012 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

Tgt Ion:167 Resp: 55021
Ion Ratio Lower Upper
167 100
166 23.3 17.4 26.0
139 14.8 10.2 15.2

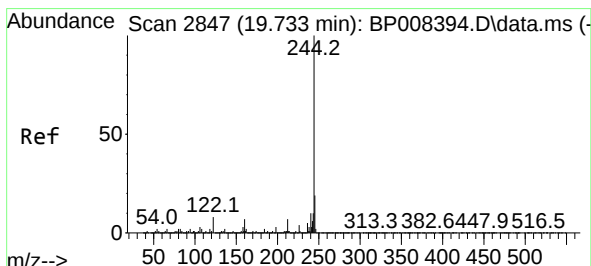
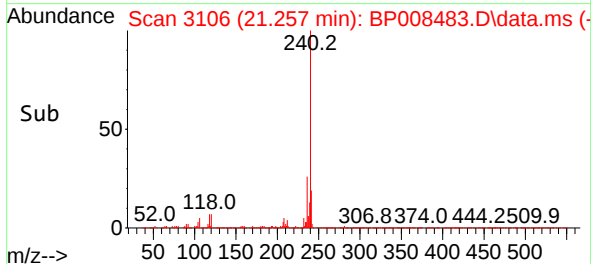
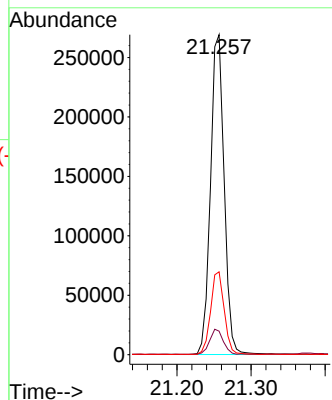
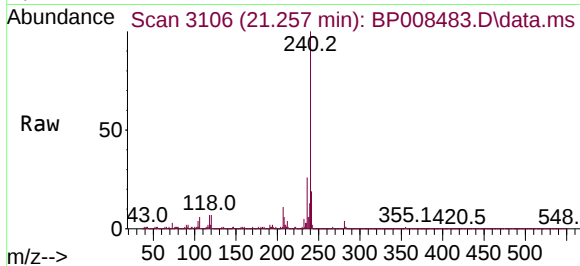




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.257 min Scan# 3108
Delta R.T. -0.012 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

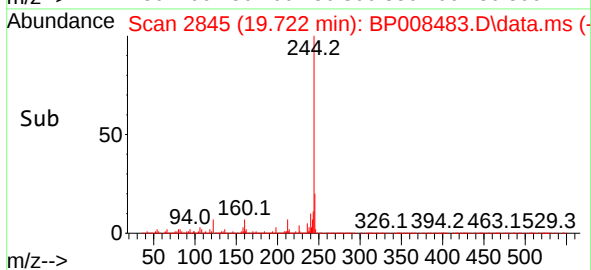
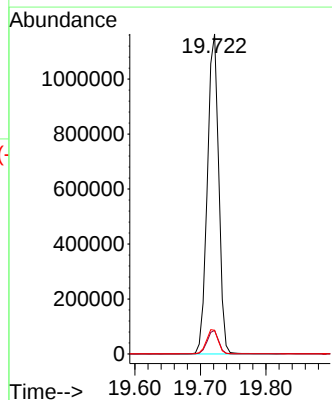
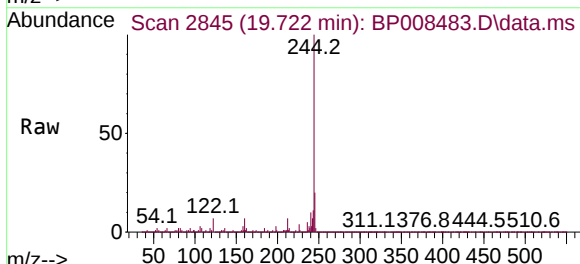
Instrument :
BNA_P
ClientSampleId :

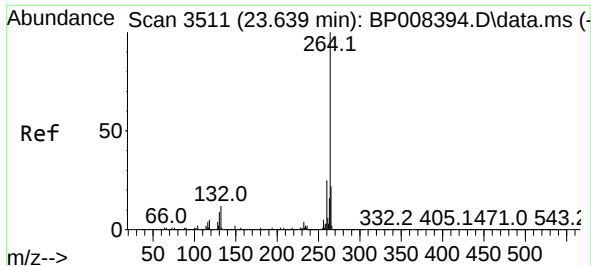
Tgt Ion:240 Resp: 344224
Ion Ratio Lower Upper
240 100
120 7.3 7.3 10.9
236 25.9 21.4 32.2



#79
Terphenyl-d14
Concen: 70.975 ng
RT: 19.722 min Scan# 2845
Delta R.T. -0.012 min
Lab File: BP008483.D
Acq: 17 Dec 2021 21:51

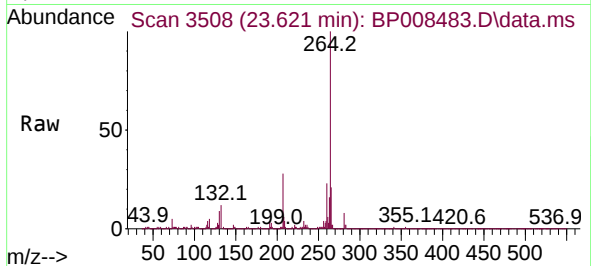
Tgt Ion:244 Resp: 1403793
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 7.4 6.6 9.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.621 min Scan# 3508
 Delta R.T. -0.018 min
 Lab File: BP008483.D
 Acq: 17 Dec 2021 21:51

Instrument :
 BNA_P
 ClientSampleId :



Tgt Ion:264 Resp: 375397
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.4 29.2
 265 21.3 17.6 26.4

