

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121721\
 Data File : BP008481.D
 Acq On : 17 Dec 2021 20:43
 Operator : CG/JU
 Sample : M5039-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

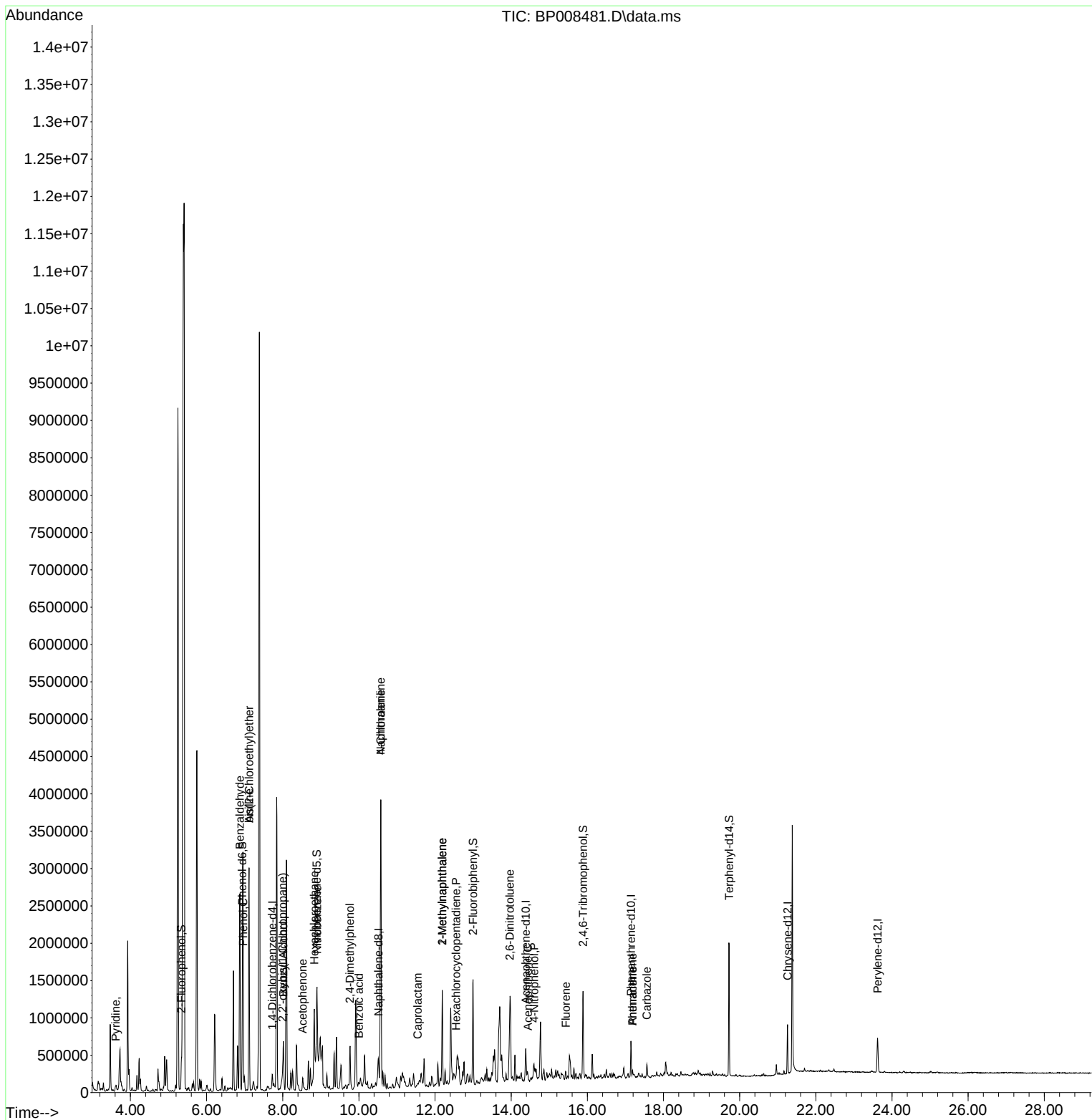
Quant Time: Dec 18 06:17:31 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 14 17:59:47 2021
 Response via : Initial Calibration

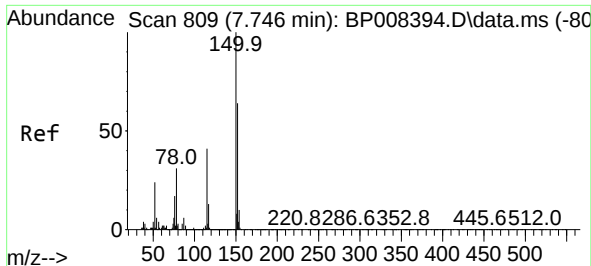
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	49955	20.000	ng	-0.02
21) Naphthalene-d8	10.516	136	191644	20.000	ng	-0.02
39) Acenaphthene-d10	14.381	164	130814	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	277922	20.000	ng	-0.02
76) Chrysene-d12	21.257	240	316011	20.000	ng	-0.01
86) Perylene-d12	23.621	264	347762	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	179004	56.589	ng	0.00
7) Phenol-d6	6.940	99	142007	33.426	ng	0.00
23) Nitrobenzene-d5	8.893	82	326374	72.148	ng	-0.02
42) 2,4,6-Tribromophenol	15.887	330	228746	118.989	ng	-0.02
45) 2-Fluorobiphenyl	12.999	172	702666	68.282	ng	-0.02
79) Terphenyl-d14	19.722	244	838632	46.187	ng	-0.01
Target Compounds						Qvalue
3) Pyridine	3.611	79	11553	3.030	ng	# 47
6) Aniline	7.116	93	10158	2.066	ng	# 1
9) Benzaldehyde	6.875	77	200781	91.202	ng	# 1
10) Phenol	6.964	94	13384	3.102	ng	# 1
11) bis(2-Chloroethyl)ether	7.116	93	10071	2.798	ng	# 1
15) Benzyl Alcohol	8.016	79	15787	4.620	ng	# 56
16) 2,2'-oxybis(1-Chloropr...	7.999	45	20529	4.032	ng	88
18) Hexachloroethane	8.828	117	119100	84.612	ng	# 1
22) Acetophenone	8.522	105	101819	18.066	ng	# 59
24) Nitrobenzene	8.905	77	22753	5.359	ng	# 1
27) 2,4-Dimethylphenol	9.763	122	17757	6.599	ng	93
31) Naphthalene	10.575	128	2890266	287.593	ng	99
32) Benzoic acid	9.999	122	7354	3.728	ng	94
33) 4-Chloroaniline	10.575	127	396139	98.397	ng	# 33
35) Caprolactam	11.546	113	2752	4.395	ng	# 19
37) 2-Methylnaphthalene	12.187	142	574432	82.931	ng	98
38) 1-Methylnaphthalene	12.187	142	574432	85.183	ng	96
41) Hexachlorocyclopentadiene	12.551	237	47	8.682	ng	74
51) 2,6-Dinitrotoluene	13.963	165	17487	8.458	ng	# 23
52) Acenaphthene	14.440	154	20345	2.886	ng	99
56) 4-Nitrophenol	14.604	139	5960	5.271	ng	91
58) Fluorene	15.434	166	32786	3.527	ng	97
71) Phenanthrene	17.186	178	53456	3.551	ng	97
72) Anthracene	17.186	178	53456	3.599	ng	96
73) Carbazole	17.563	167	82721	6.086	ng	97

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

Quant Time: Dec 18 06:17:31 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
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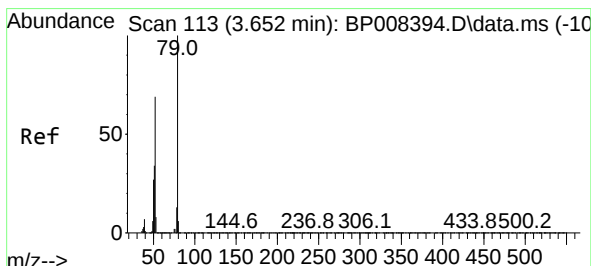
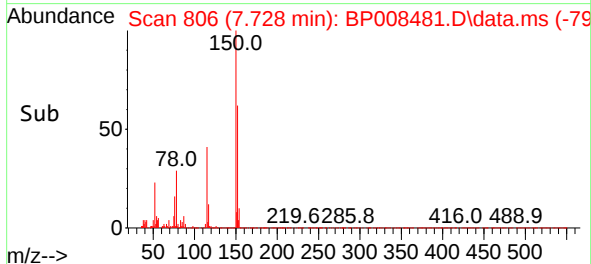
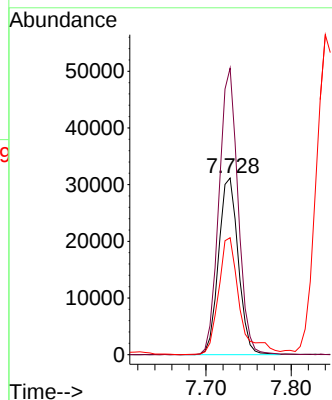
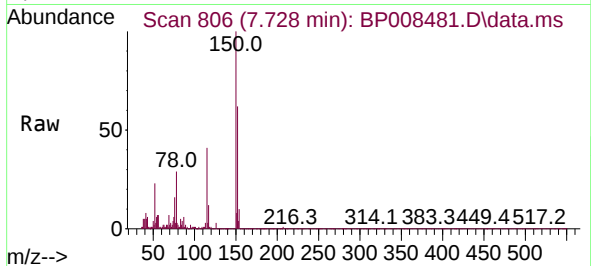




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 80
Delta R.T. -0.018 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

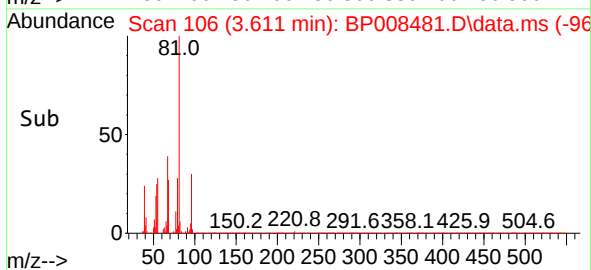
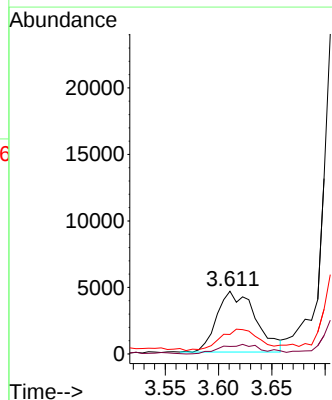
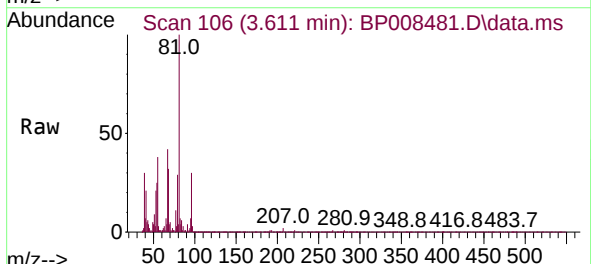
Instrument :
BNA_P
ClientSampleId :

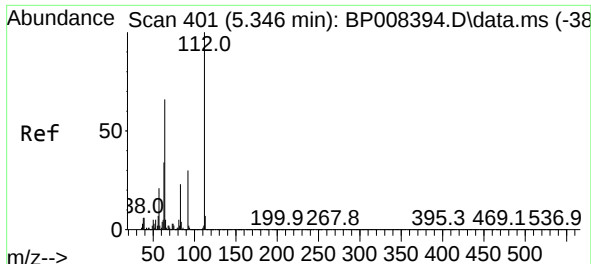
Tgt Ion:152 Resp: 49955
Ion Ratio Lower Upper
152 100
150 162.3 125.7 188.5
115 66.2 50.7 76.1



#3
Pyridine
Concen: 3.030 ng
RT: 3.611 min Scan# 106
Delta R.T. -0.041 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

Tgt Ion: 79 Resp: 11553
Ion Ratio Lower Upper
79 100
52 11.9 60.0 90.0#
51 31.0 29.6 44.4

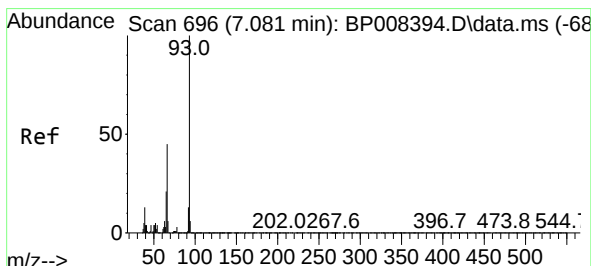
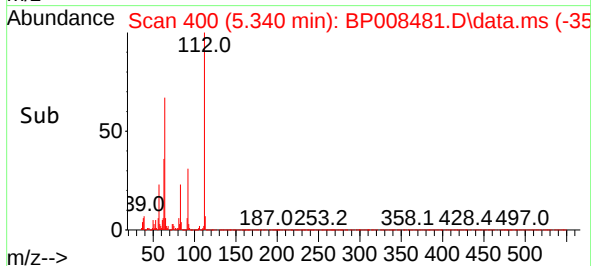
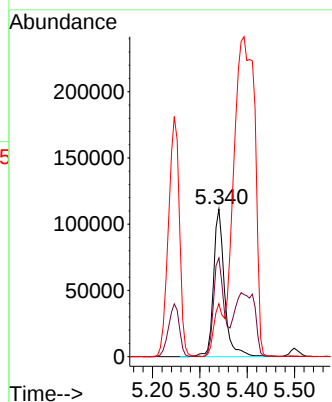
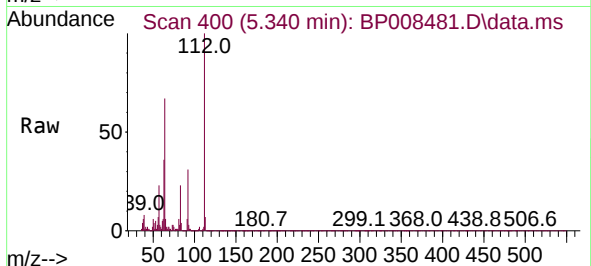




#5
2-Fluorophenol
Concen: 56.589 ng
RT: 5.340 min Scan# 401
Delta R.T. -0.006 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

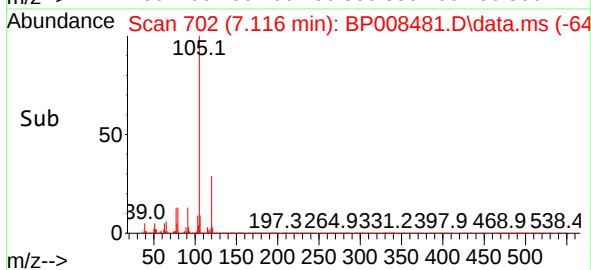
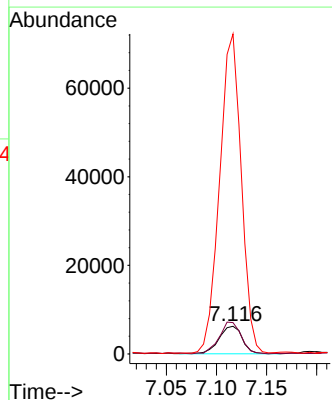
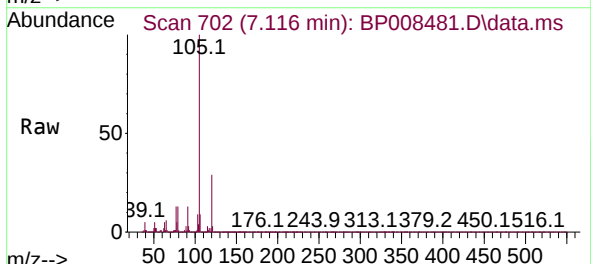
Instrument :
BNA_P
ClientSampleId :

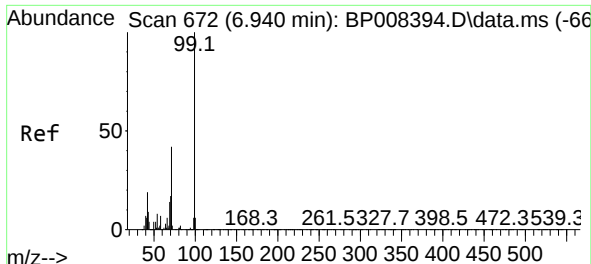
Tgt Ion:112 Resp: 179004
Ion Ratio Lower Upper
112 100
64 66.9 53.4 80.2
63 35.9 27.8 41.8



#6
Aniline
Concen: 2.066 ng
RT: 7.116 min Scan# 702
Delta R.T. 0.035 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

Tgt Ion: 93 Resp: 10158
Ion Ratio Lower Upper
93 100
66 113.3 32.9 49.3#
65 1157.7 17.5 26.3#

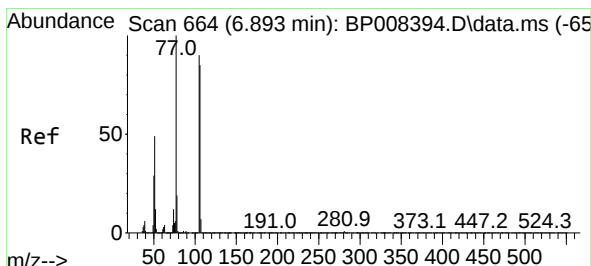
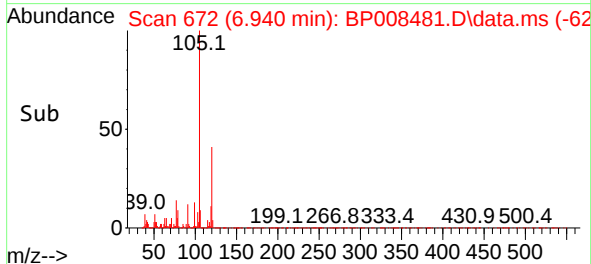
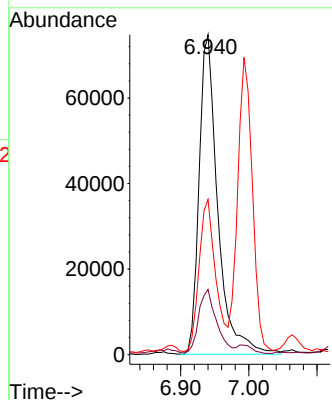
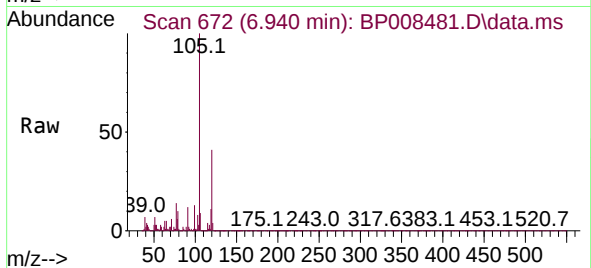




#7
Phenol-d6
Concen: 33.426 ng
RT: 6.940 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

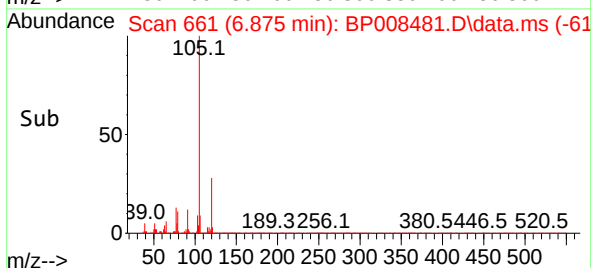
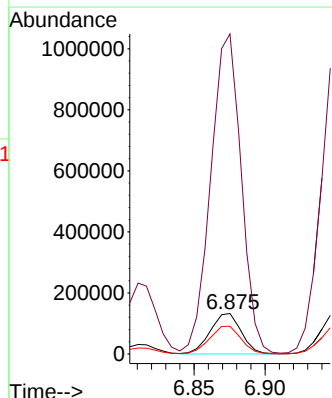
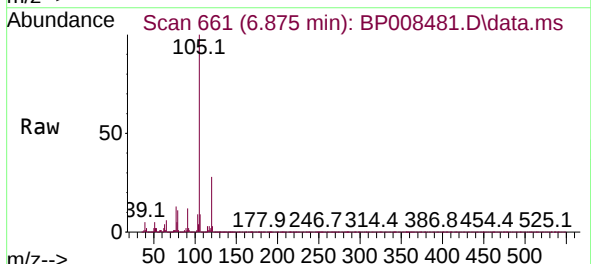
Instrument :
BNA_P
ClientSampleId :

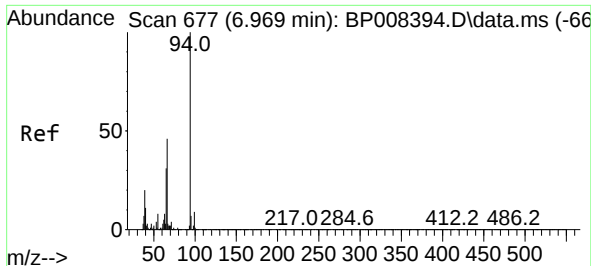
Tgt Ion: 99 Resp: 142007
Ion Ratio Lower Upper
99 100
42 20.4 14.6 22.0
71 48.5 31.1 46.7#



#9
Benzaldehyde
Concen: 91.202 ng
RT: 6.875 min Scan# 661
Delta R.T. -0.018 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

Tgt Ion: 77 Resp: 200781
Ion Ratio Lower Upper
77 100
105 791.1 71.8 111.8#
106 68.5 67.3 107.3





#10

Phenol

Concen: 3.102 ng

RT: 6.964 min Scan# 61

Delta R.T. -0.006 min

Lab File: BP008481.D

Acq: 17 Dec 2021 20:43

Instrument :

BNA_P

ClientSampleId :

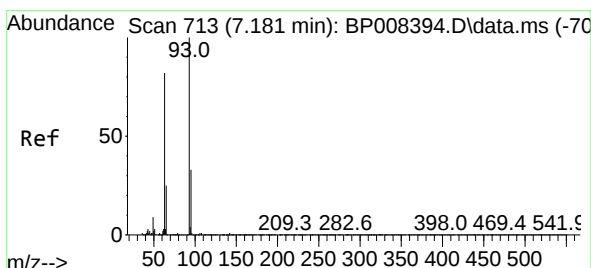
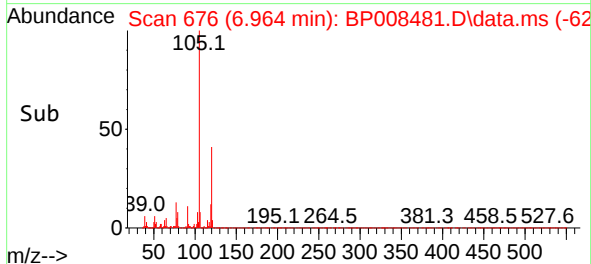
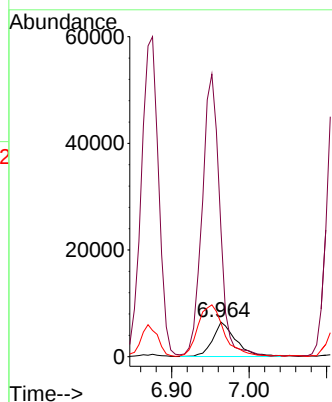
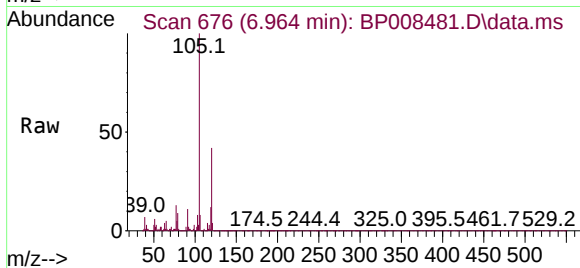
Tgt Ion: 94 Resp: 13384

Ion Ratio Lower Upper

94 100

65 364.9 10.9 50.9#

66 96.8 24.3 64.3#



#11

bis(2-Chloroethyl)ether

Concen: 2.798 ng

RT: 7.116 min Scan# 702

Delta R.T. -0.065 min

Lab File: BP008481.D

Acq: 17 Dec 2021 20:43

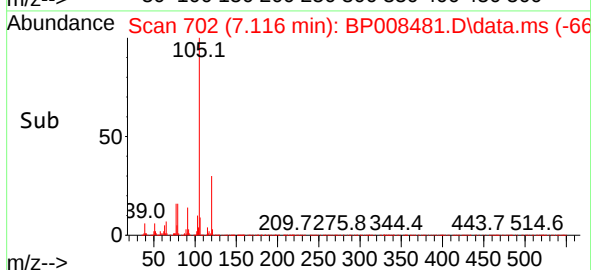
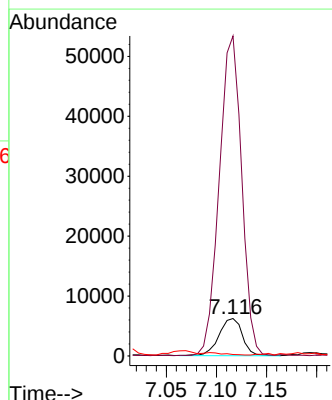
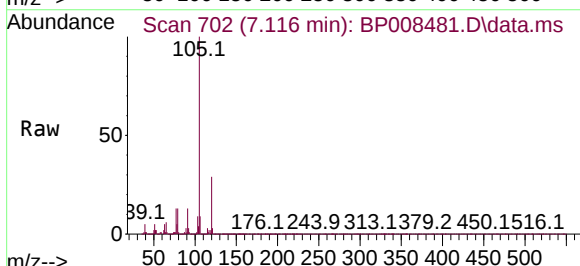
Tgt Ion: 93 Resp: 10071

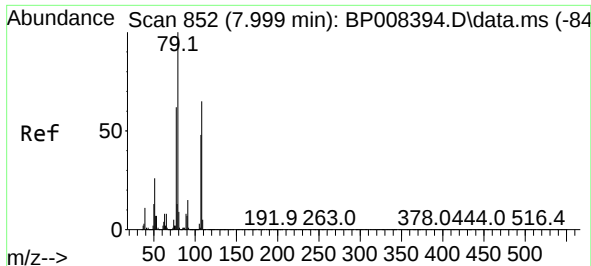
Ion Ratio Lower Upper

93 100

63 855.9 61.8 101.8#

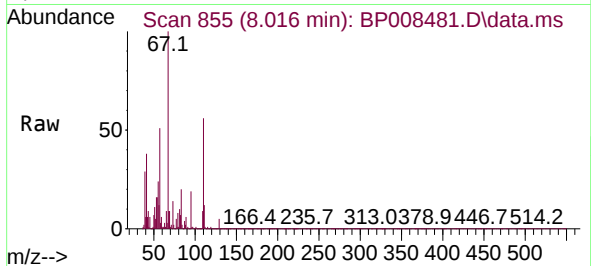
95 4.0 12.5 52.5#



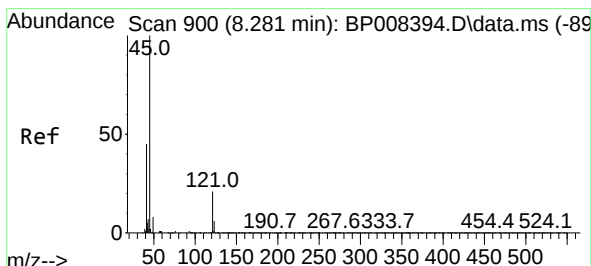
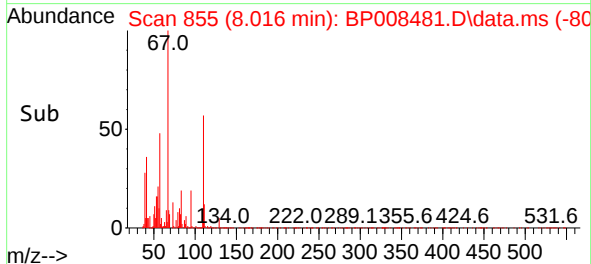
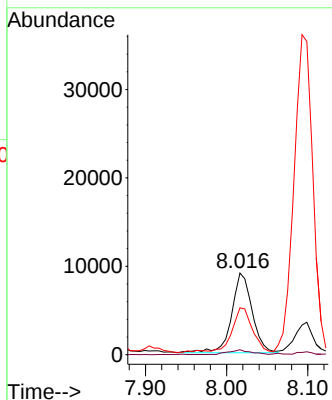


#15
Benzyl Alcohol
Concen: 4.620 ng
RT: 8.016 min Scan# 81
Delta R.T. 0.018 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

Instrument :
BNA_P
ClientSampleId :

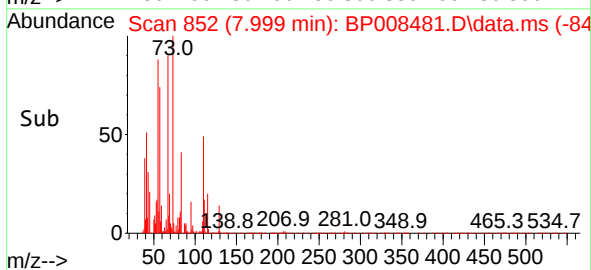
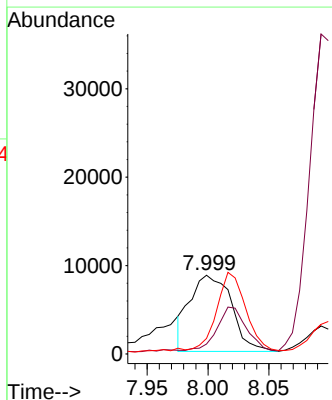
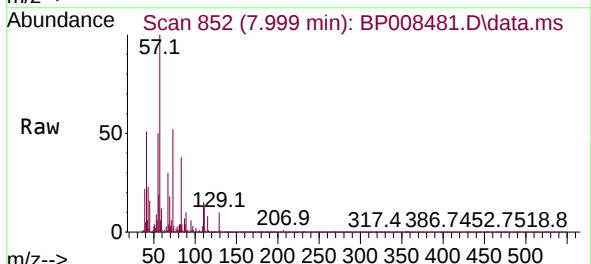


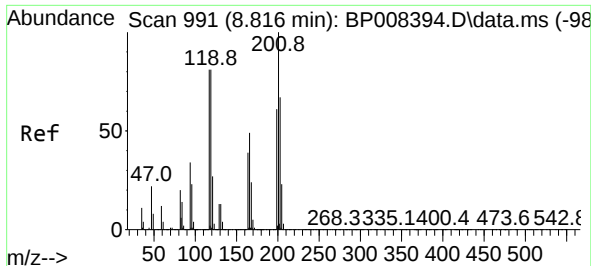
Tgt Ion: 79 Resp: 15787
Ion Ratio Lower Upper
79 100
108 6.0 55.5 83.3#
77 57.5 51.0 76.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.032 ng
RT: 7.999 min Scan# 852
Delta R.T. -0.282 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

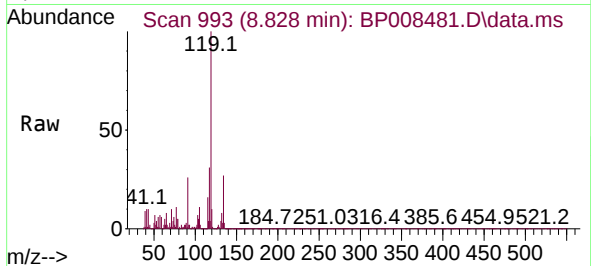
Tgt Ion: 45 Resp: 20529
Ion Ratio Lower Upper
45 100
77 12.7 0.0 33.8
79 19.8 0.0 30.4



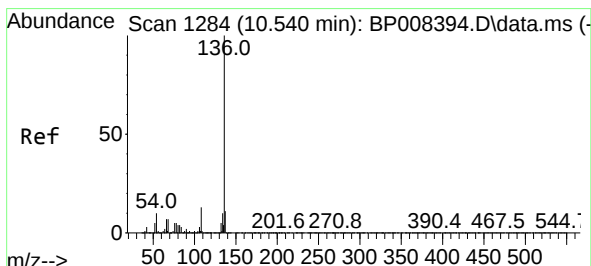
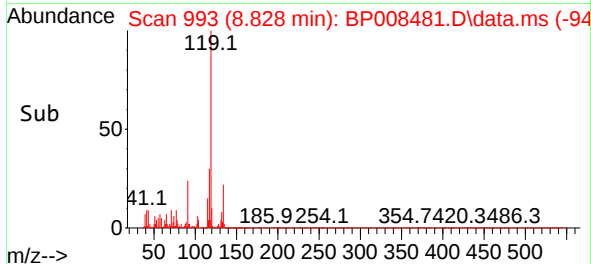
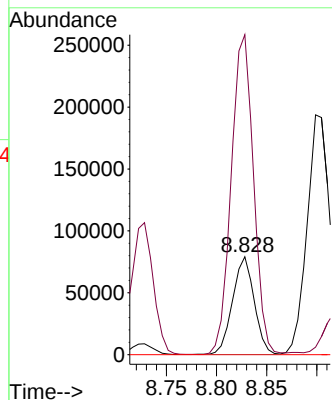


#18
Hexachloroethane
Concen: 84.612 ng
RT: 8.828 min Scan# 991
Delta R.T. 0.012 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

Instrument :
BNA_P
ClientSampleId :

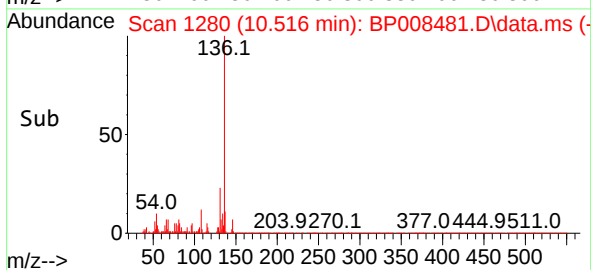
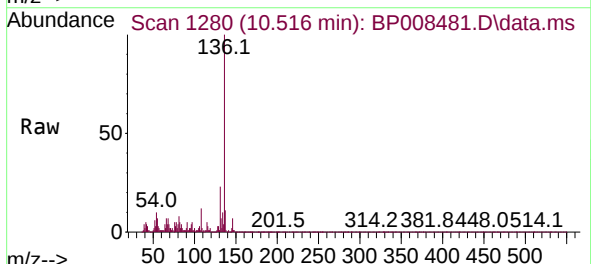
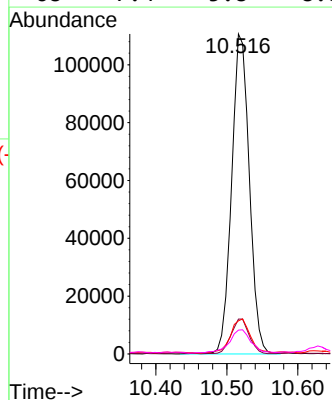


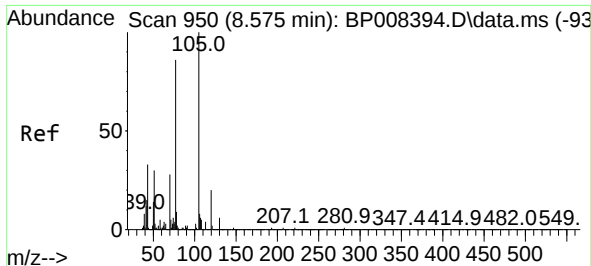
Tgt Ion:117 Resp: 119100
Ion Ratio Lower Upper
117 100
119 326.7 74.7 112.1#
201 0.0 88.6 132.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1280
Delta R.T. -0.024 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

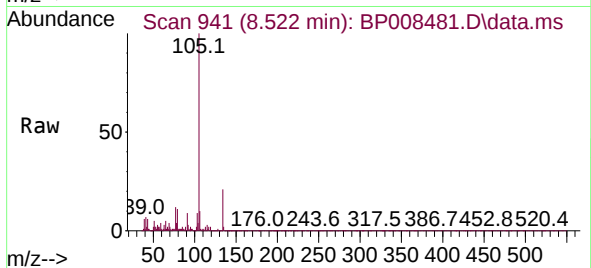
Tgt Ion:136 Resp: 191644
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 10.4 8.2 12.4
68 7.4 5.8 8.8



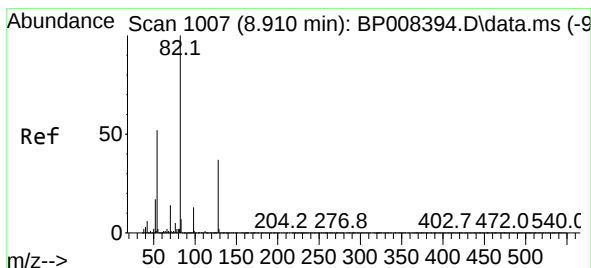
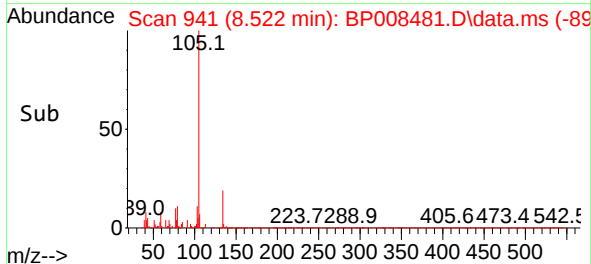
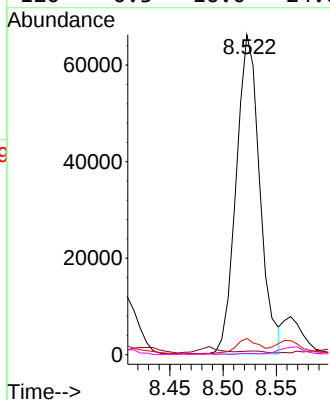


#22
Acetophenone
Concen: 18.066 ng
RT: 8.522 min Scan# 941
Delta R.T. -0.053 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

Instrument :
BNA_P
ClientSampleId :

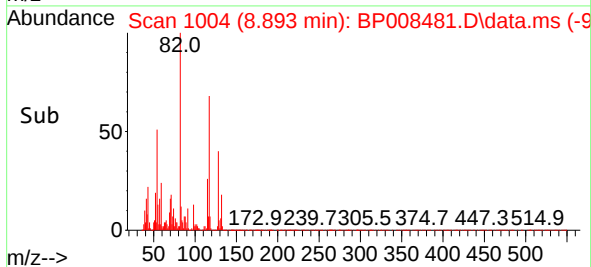
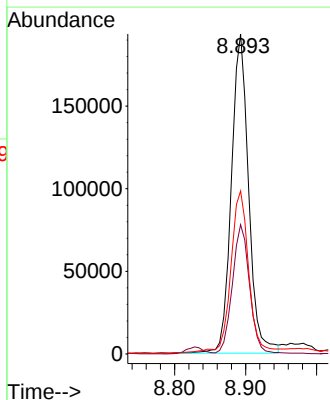
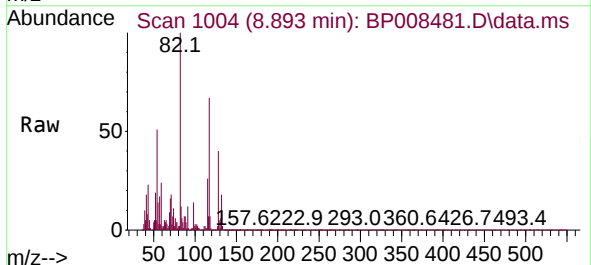


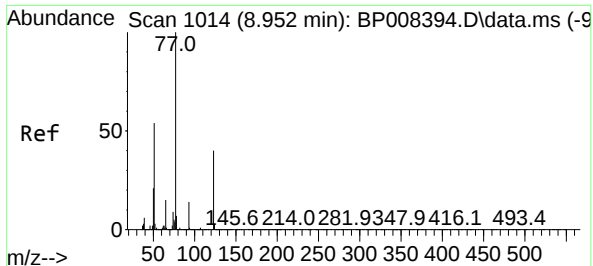
Tgt Ion:105 Resp: 101819
Ion Ratio Lower Upper
105 100
71 1.1 4.0 6.0#
51 5.1 23.8 35.6#
120 0.3 16.0 24.0#



#23
Nitrobenzene-d5
Concen: 72.148 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.018 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

Tgt Ion: 82 Resp: 326374
Ion Ratio Lower Upper
82 100
128 40.4 29.6 44.4
54 51.0 42.7 64.1

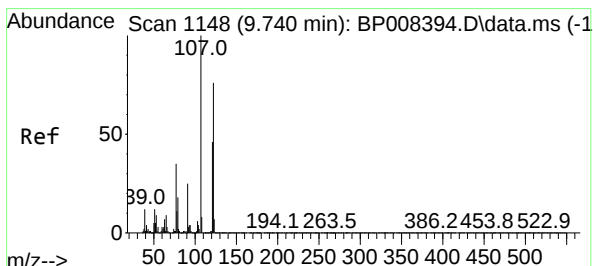
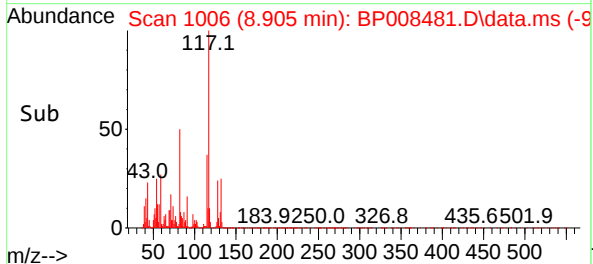
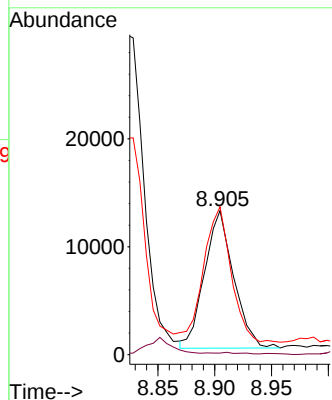
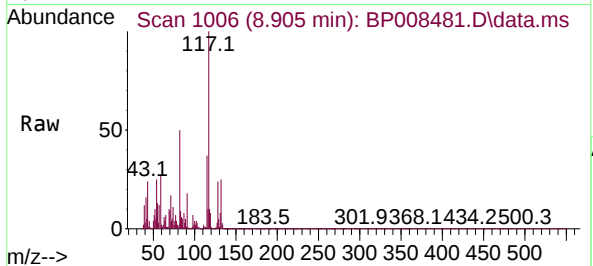




#24
Nitrobenzene
Concen: 5.359 ng
RT: 8.905 min Scan# 1105
Delta R.T. -0.047 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

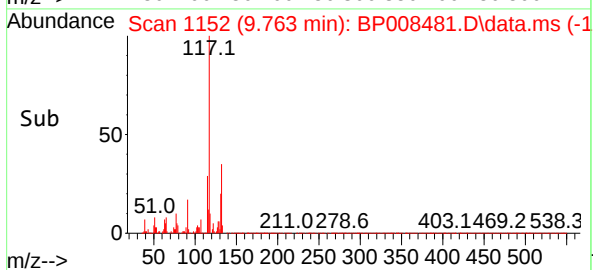
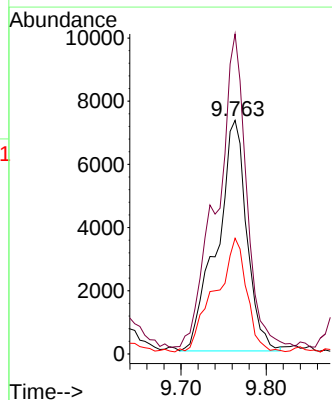
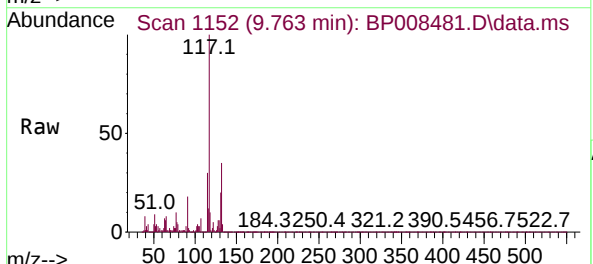
Instrument :
BNA_P
ClientSampleId :

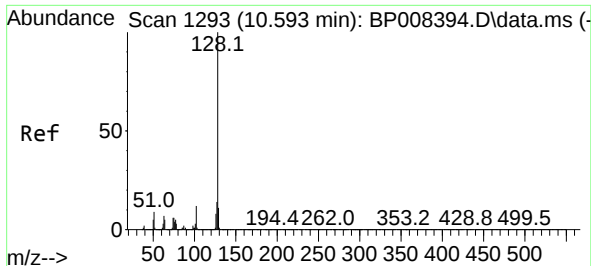
Tgt Ion: 77 Resp: 22753
Ion Ratio Lower Upper
77 100
123 1.1 30.4 45.6#
65 102.6 11.3 16.9#



#27
2,4-Dimethylphenol
Concen: 6.599 ng
RT: 9.763 min Scan# 1152
Delta R.T. 0.024 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

Tgt Ion: 122 Resp: 17757
Ion Ratio Lower Upper
122 100
107 137.0 106.6 160.0
121 49.6 48.1 72.1

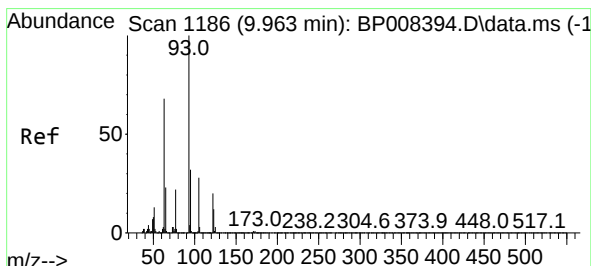
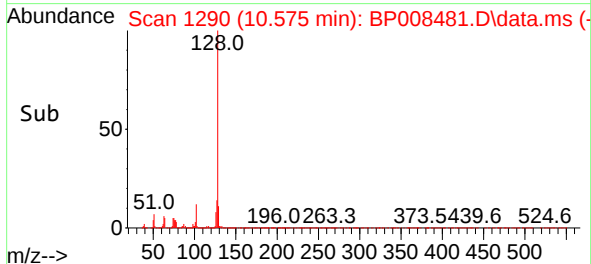
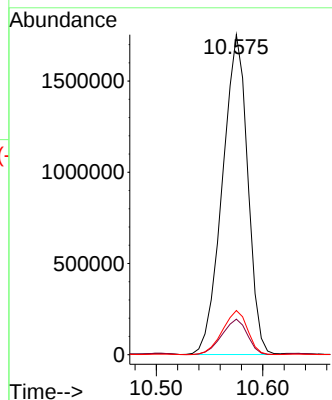
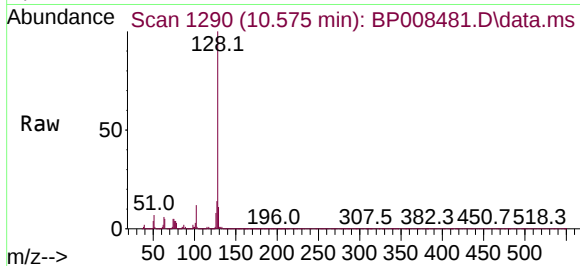




#31
Naphthalene
Concen: 287.593 ng
RT: 10.575 min Scan# 1192
Delta R.T. -0.018 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

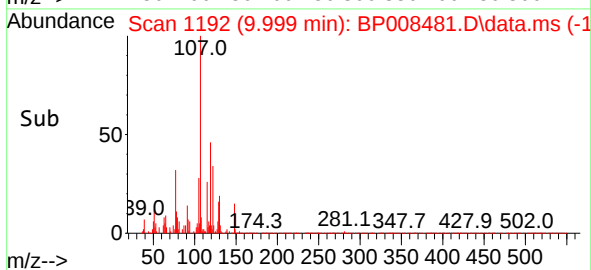
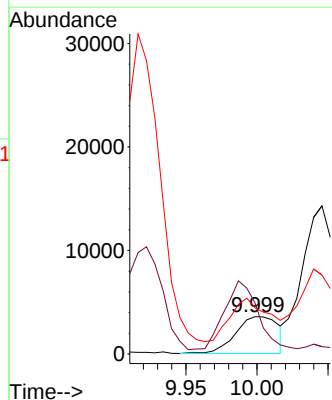
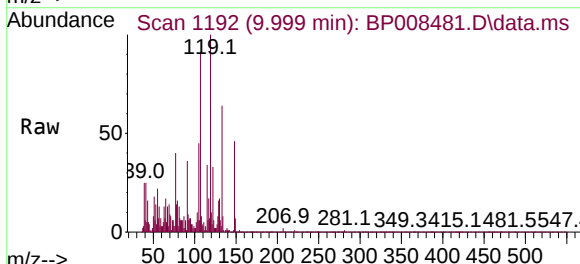
Instrument :
BNA_P
ClientSampleId :

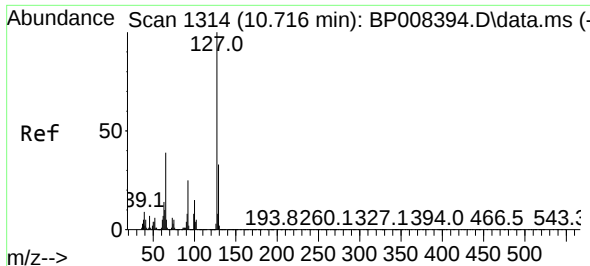
Tgt Ion:128 Resp: 2890266
Ion Ratio Lower Upper
128 100
129 11.1 8.5 12.7
127 13.8 10.9 16.3



#32
Benzoic acid
Concen: 3.728 ng
RT: 9.999 min Scan# 1192
Delta R.T. 0.035 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

Tgt Ion:122 Resp: 7354
Ion Ratio Lower Upper
122 100
105 136.9 117.4 157.4
77 124.0 89.2 129.2

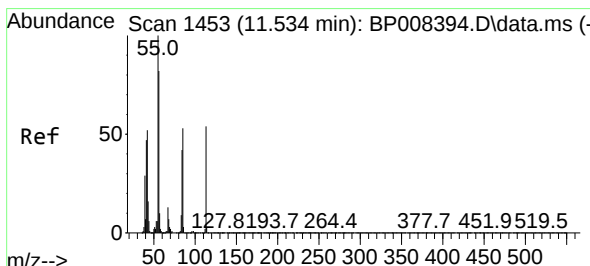
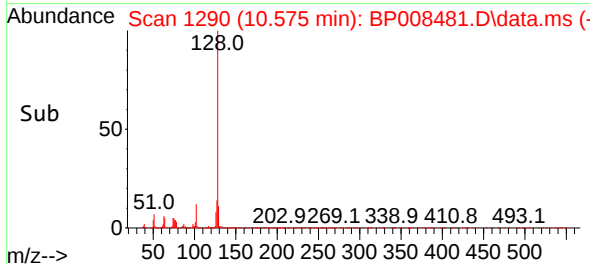
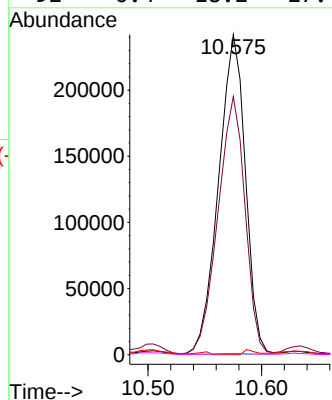
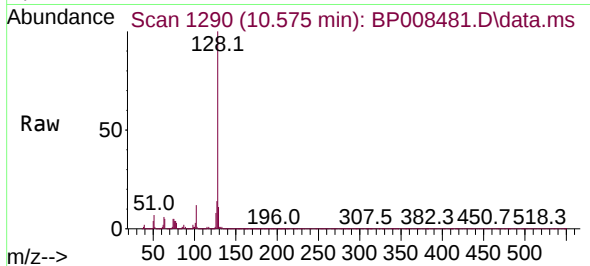




#33
4-Chloroaniline
Concen: 98.397 ng
RT: 10.575 min Scan# 11
Delta R.T. -0.141 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

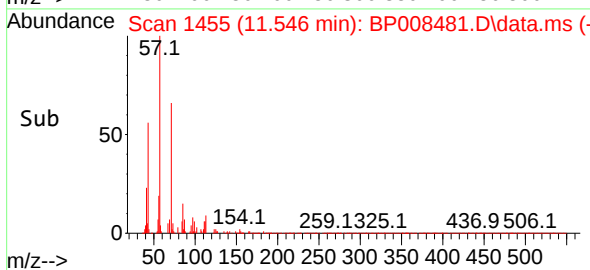
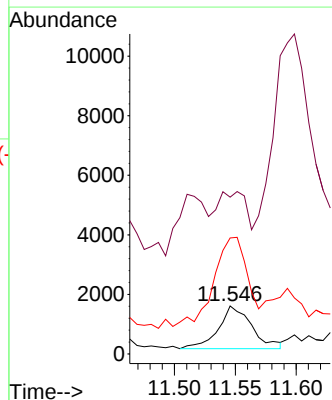
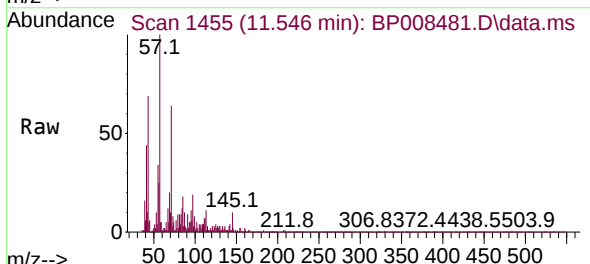
Instrument :
BNA_P
ClientSampleId :

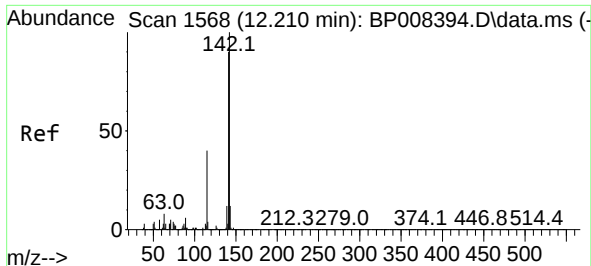
Tgt Ion:	127	Resp:	396139
Ion	Ratio	Lower	Upper
127	100		
129	80.7	25.4	38.2#
65	0.0	29.5	44.3#
92	0.4	18.2	27.4#



#35
Caprolactam
Concen: 4.395 ng
RT: 11.546 min Scan# 1455
Delta R.T. 0.012 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

Tgt Ion:	113	Resp:	2752
Ion	Ratio	Lower	Upper
113	100		
55	326.6	174.2	214.2#
56	241.4	130.3	170.3#

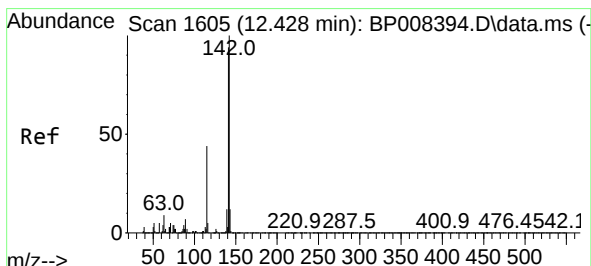
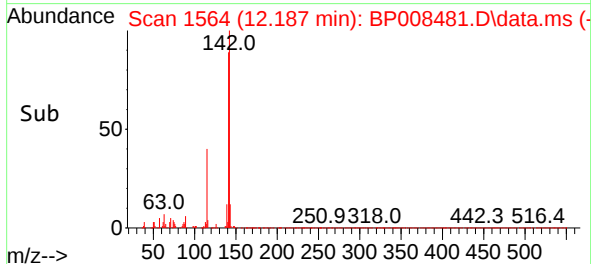
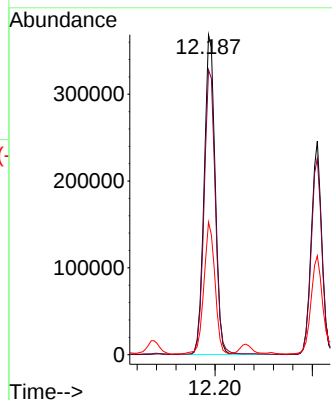
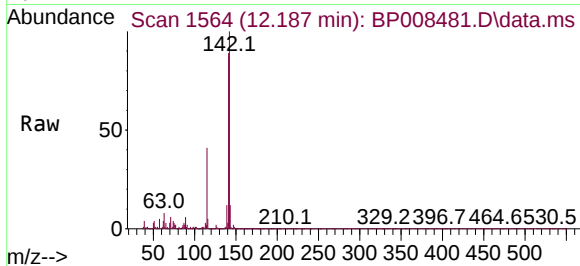




#37
2-Methylnaphthalene
Concen: 82.931 ng
RT: 12.187 min Scan# 1564
Delta R.T. -0.023 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

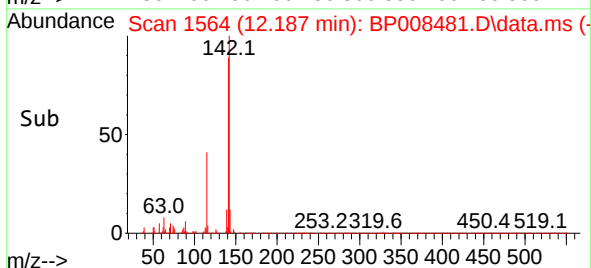
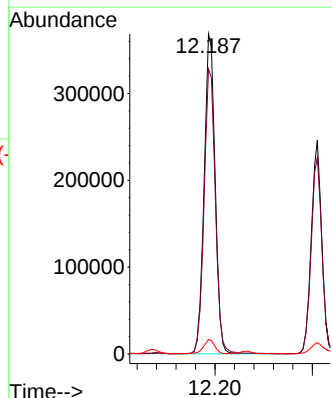
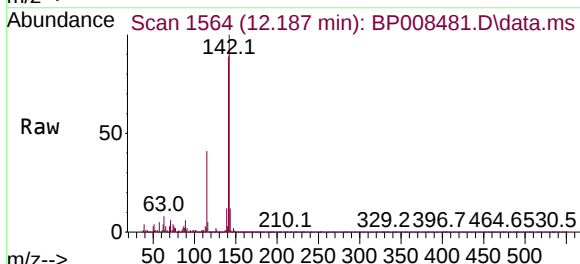
Instrument :
BNA_P
ClientSampleId :

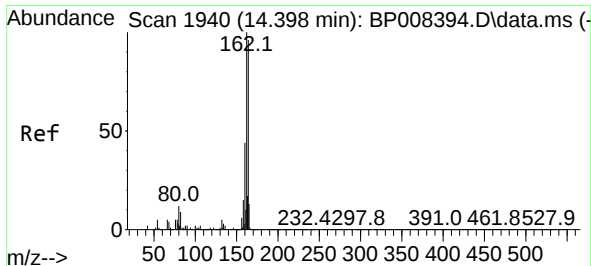
Tgt Ion:142 Resp: 574432
Ion Ratio Lower Upper
142 100
141 89.0 70.7 106.1
115 41.4 30.9 46.3



#38
1-Methylnaphthalene
Concen: 85.183 ng
RT: 12.187 min Scan# 1564
Delta R.T. -0.241 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

Tgt Ion:142 Resp: 574432
Ion Ratio Lower Upper
142 100
141 89.0 74.2 111.4
116 4.5 3.4 5.2

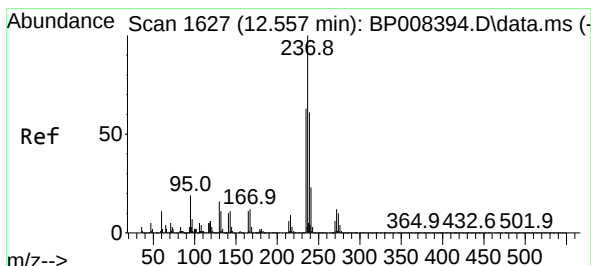
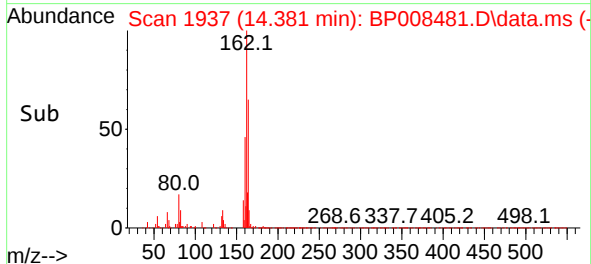
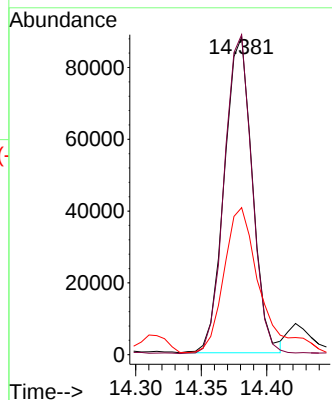
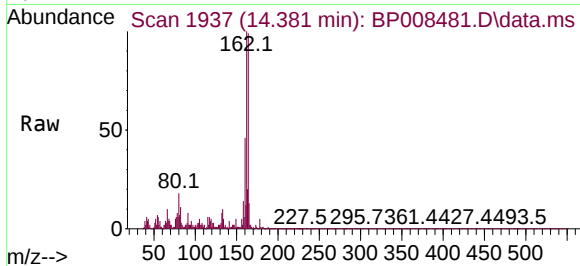




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1937
Delta R.T. -0.017 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

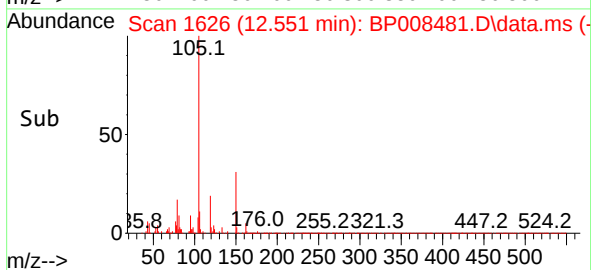
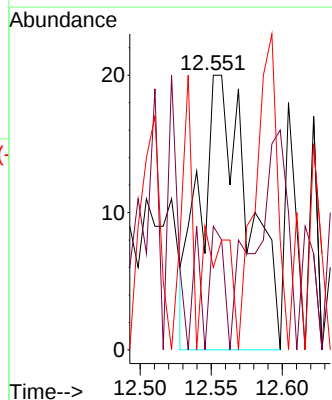
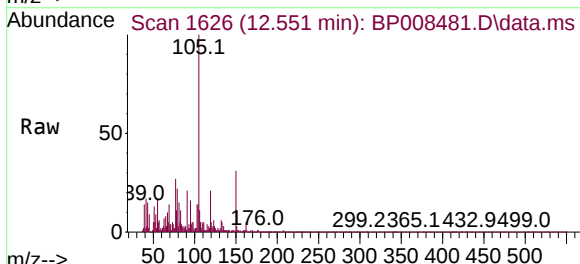
Instrument :
BNA_P
ClientSampleId :

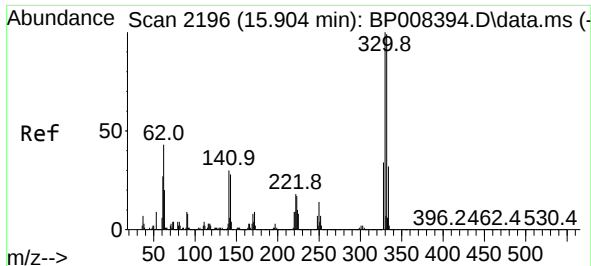
Tgt Ion:164 Resp: 130814
Ion Ratio Lower Upper
164 100
162 100.8 81.9 122.9
160 46.3 35.4 53.0



#41
Hexachlorocyclopentadiene
Concen: 8.682 ng
RT: 12.551 min Scan# 1626
Delta R.T. -0.006 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

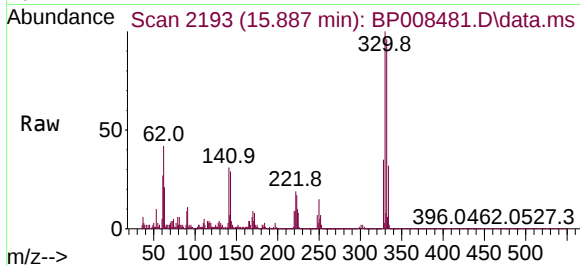
Tgt Ion:237 Resp: 47
Ion Ratio Lower Upper
237 100
235 45.0 42.3 82.3
272 30.0 0.0 32.2



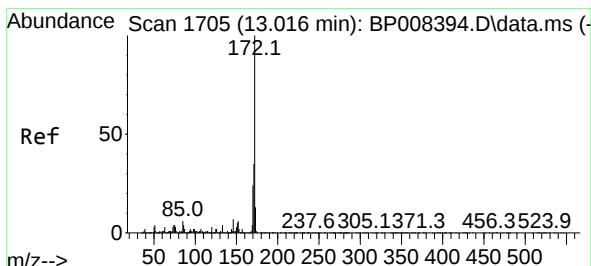
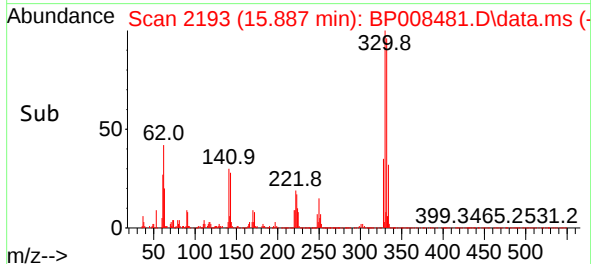
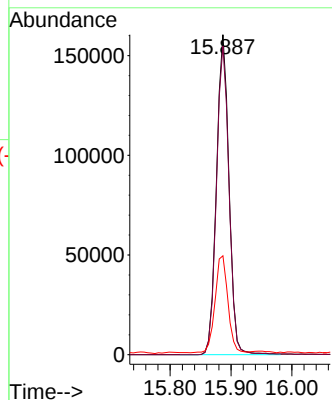


#42
2,4,6-Tribromophenol
Concen: 118.989 ng
RT: 15.887 min Scan# 2193
Delta R.T. -0.018 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

Instrument :
BNA_P
ClientSampleId :

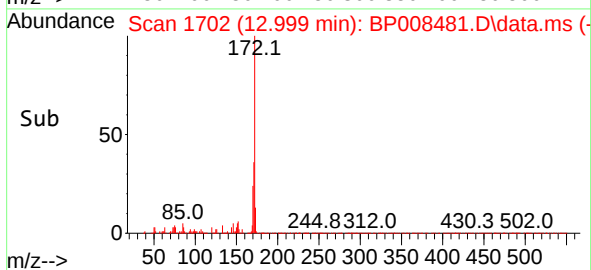
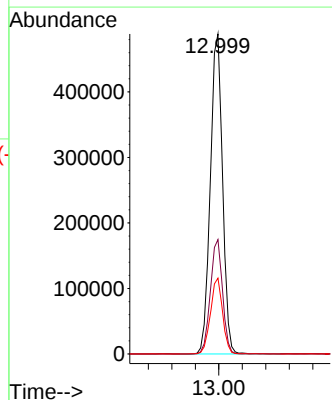
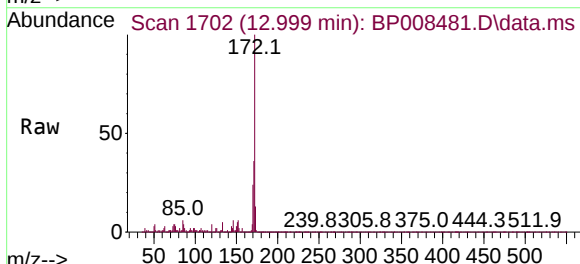


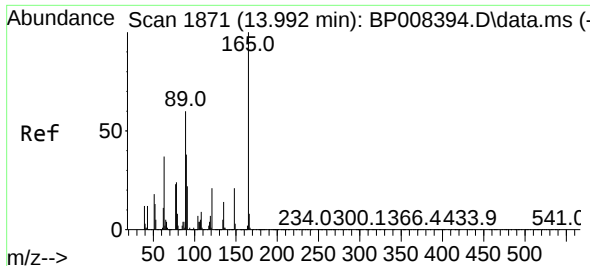
Tgt Ion:330 Resp: 228746
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.4
141 31.3 28.4 42.6



#45
2-Fluorobiphenyl
Concen: 68.282 ng
RT: 12.999 min Scan# 1702
Delta R.T. -0.018 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

Tgt Ion:172 Resp: 702666
Ion Ratio Lower Upper
172 100
171 35.8 28.0 42.0
170 23.7 18.9 28.3

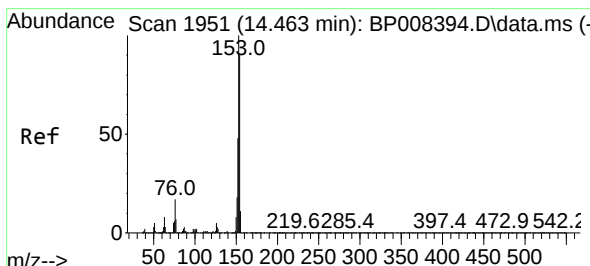
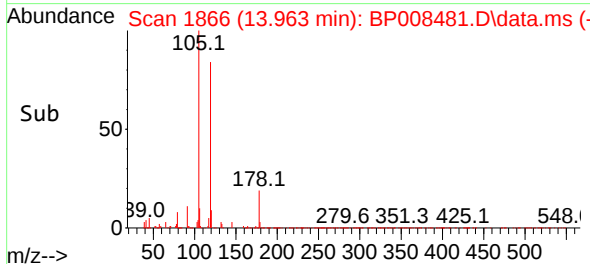
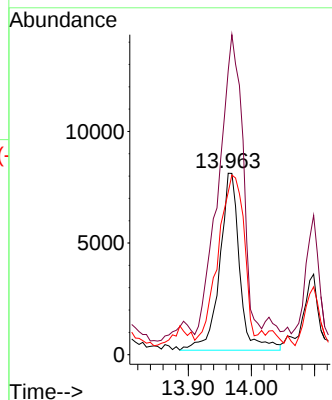
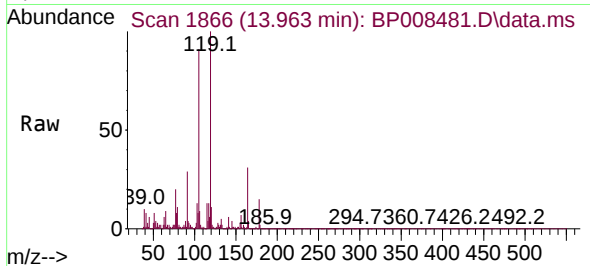




#51
2,6-Dinitrotoluene
Concen: 8.458 ng
RT: 13.963 min Scan# 1866
Delta R.T. -0.029 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

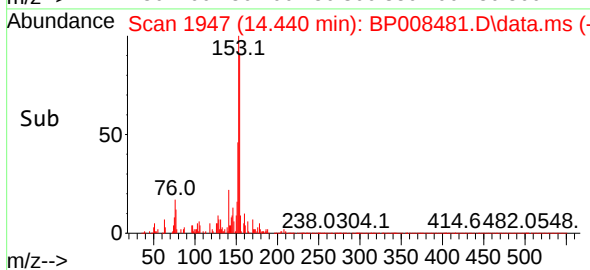
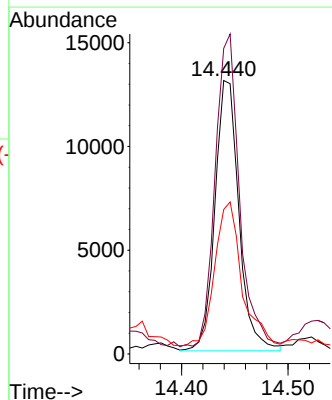
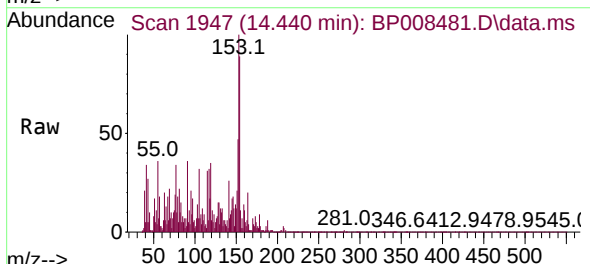
Instrument :
BNA_P
ClientSampleId :

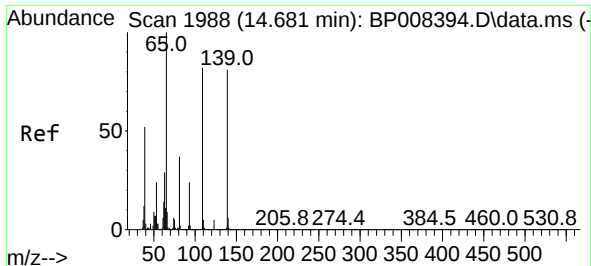
Tgt Ion:165 Resp: 17487
Ion Ratio Lower Upper
165 100
63 156.4 50.8 76.2#
89 89.5 50.0 75.0#



#52
Acenaphthene
Concen: 2.886 ng
RT: 14.440 min Scan# 1947
Delta R.T. -0.023 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

Tgt Ion:154 Resp: 20345
Ion Ratio Lower Upper
154 100
153 111.7 90.3 135.5
152 52.8 43.3 64.9

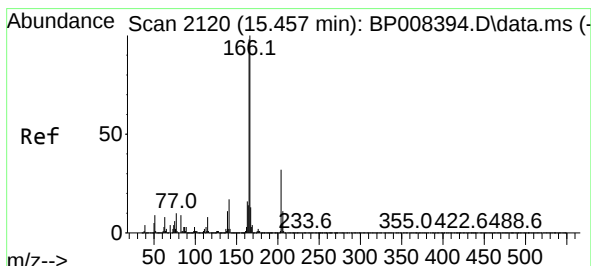
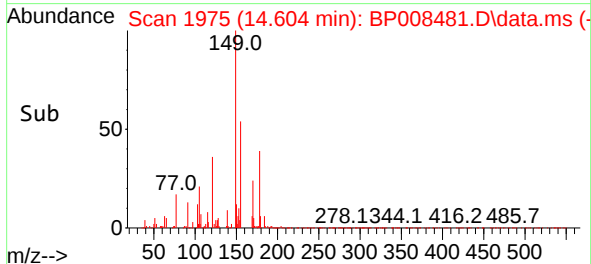
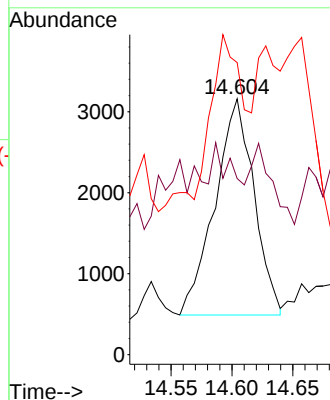
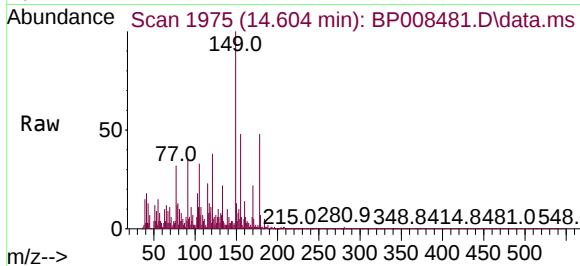




#56
4-Nitrophenol
Concen: 5.271 ng
RT: 14.604 min Scan# 1988
Delta R.T. -0.076 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

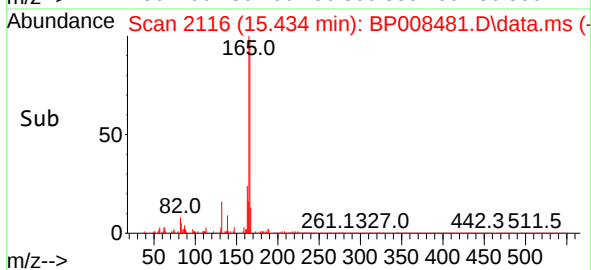
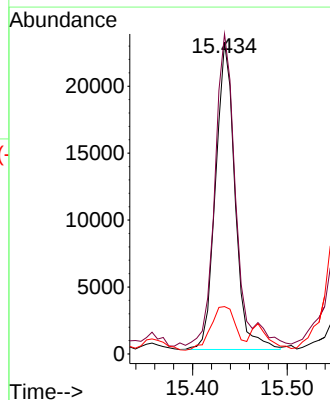
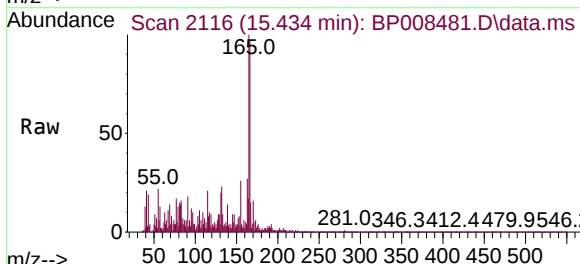
Instrument :
BNA_P
ClientSampleId :

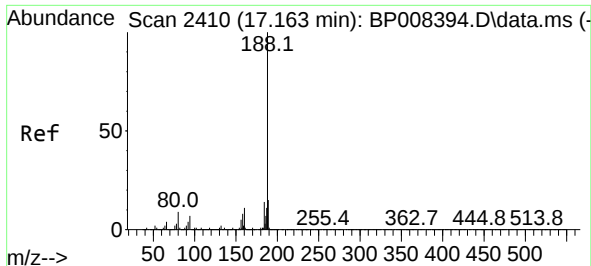
Tgt Ion:139 Resp: 5960
Ion Ratio Lower Upper
139 100
109 68.9 65.9 105.9
65 114.2 91.9 131.9



#58
Fluorene
Concen: 3.527 ng
RT: 15.434 min Scan# 2116
Delta R.T. -0.023 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

Tgt Ion:166 Resp: 32786
Ion Ratio Lower Upper
166 100
165 102.6 79.4 119.2
167 15.2 10.9 16.3

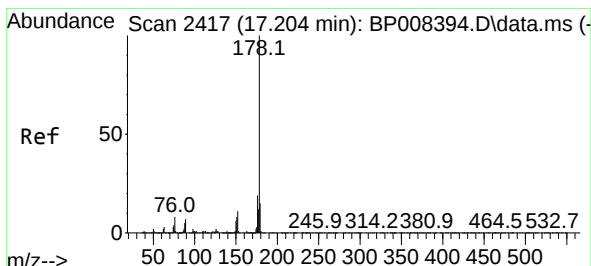
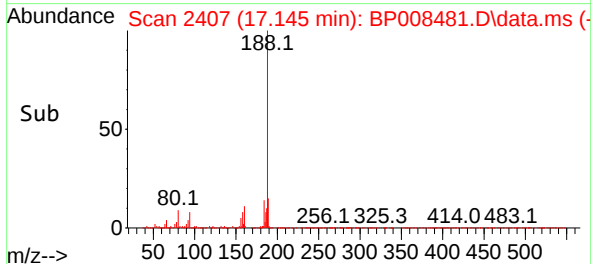
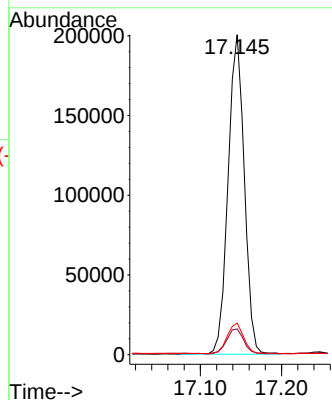
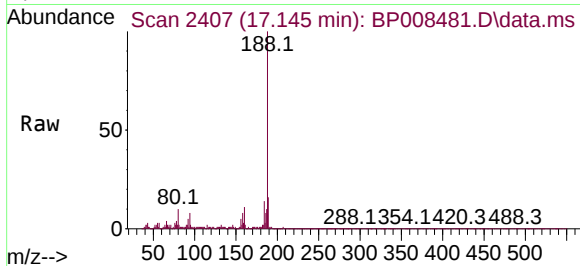




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2410
Delta R.T. -0.018 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

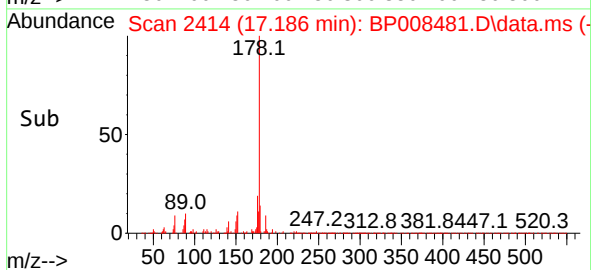
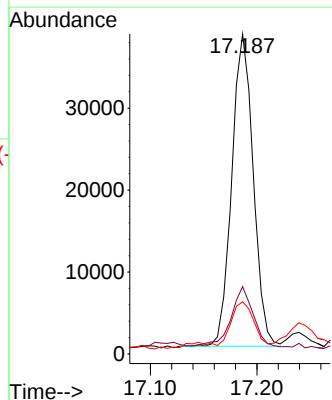
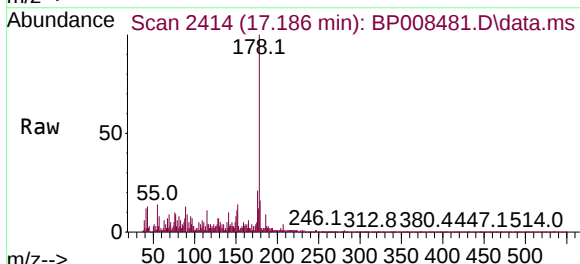
Instrument :
BNA_P
ClientSampleId :

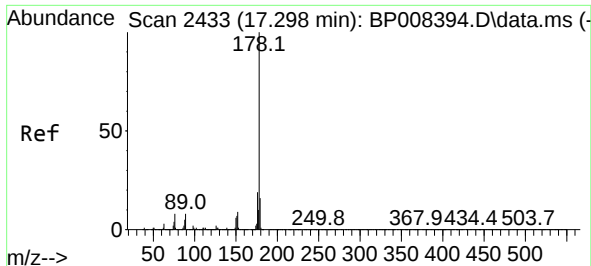
Tgt Ion:188 Resp: 277922
Ion Ratio Lower Upper
188 100
94 8.0 7.2 10.8
80 9.8 8.2 12.4



#71
Phenanthrene
Concen: 3.551 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.018 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

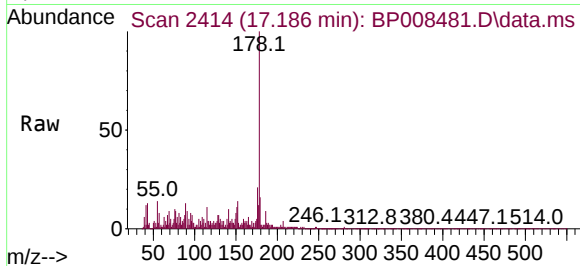
Tgt Ion:178 Resp: 53456
Ion Ratio Lower Upper
178 100
176 21.0 15.3 22.9
179 16.3 12.5 18.7



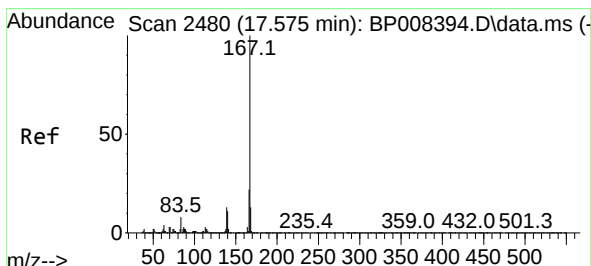
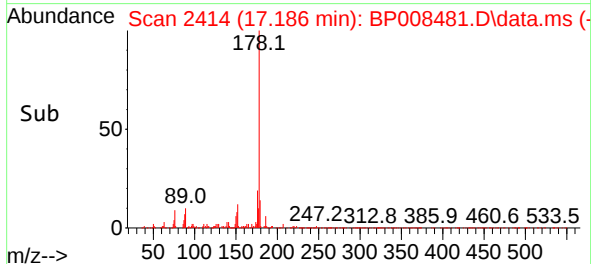
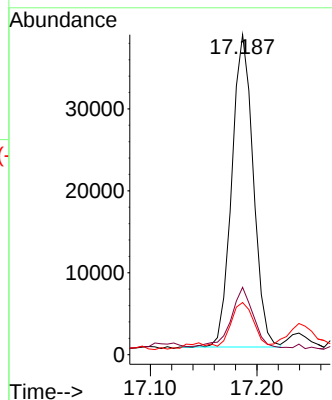


#72
 Anthracene
 Concen: 3.599 ng
 RT: 17.186 min Scan# 2414
 Delta R.T. -0.112 min
 Lab File: BP008481.D
 Acq: 17 Dec 2021 20:43

Instrument :
 BNA_P
 ClientSampleId :

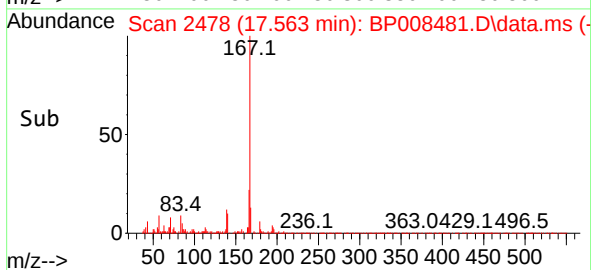
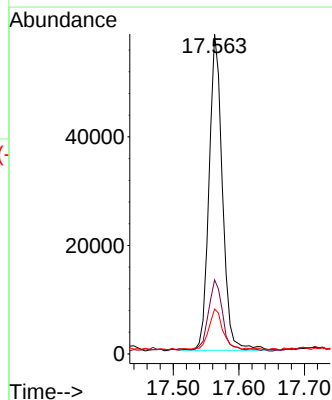
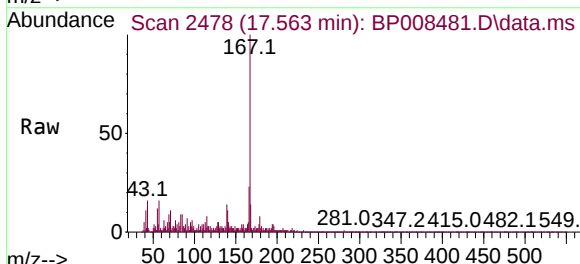


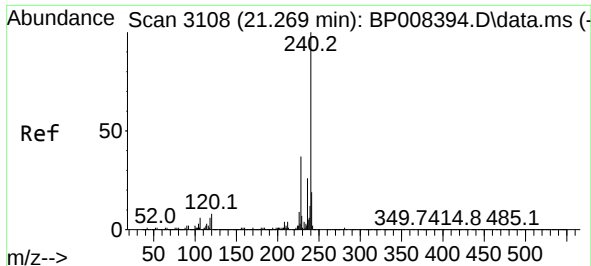
Tgt Ion:178 Resp: 53456
 Ion Ratio Lower Upper
 178 100
 176 21.0 15.1 22.7
 179 16.3 12.3 18.5



#73
 Carbazole
 Concen: 6.086 ng
 RT: 17.563 min Scan# 2478
 Delta R.T. -0.012 min
 Lab File: BP008481.D
 Acq: 17 Dec 2021 20:43

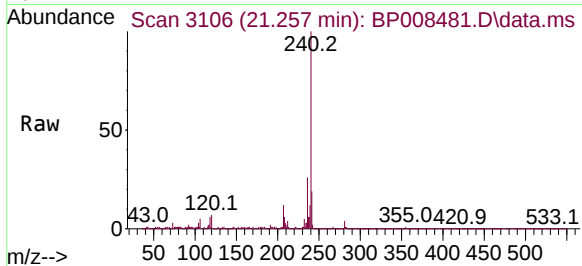
Tgt Ion:167 Resp: 82721
 Ion Ratio Lower Upper
 167 100
 166 23.1 17.4 26.0
 139 14.0 10.2 15.2



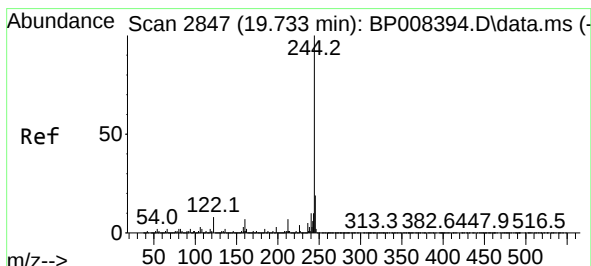
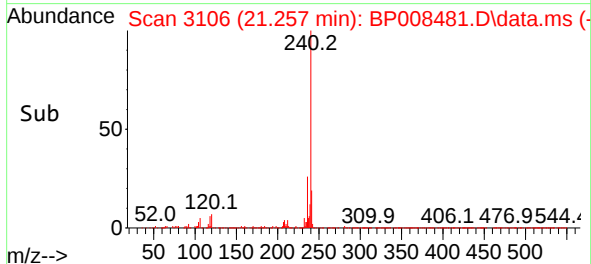
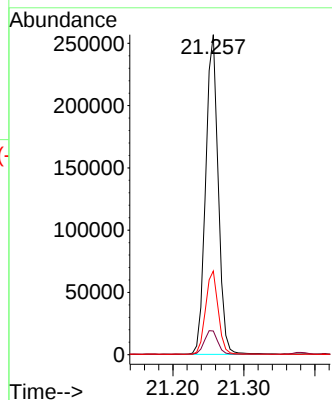


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.257 min Scan# 3106
Delta R.T. -0.012 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

Instrument :
BNA_P
ClientSampleId :

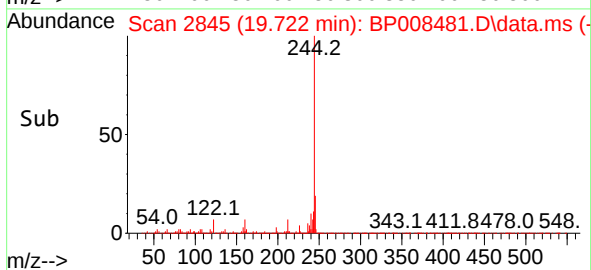
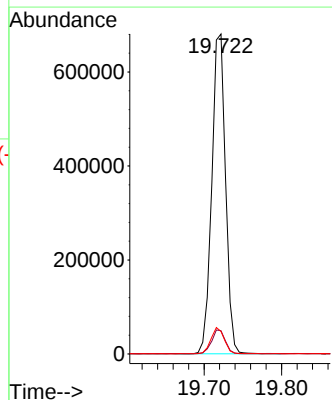
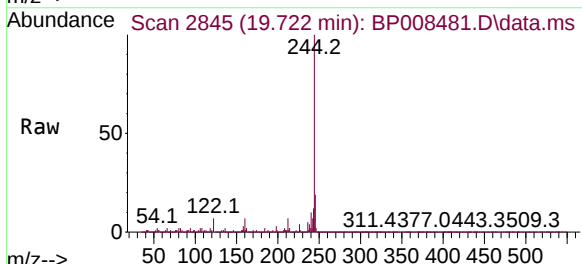


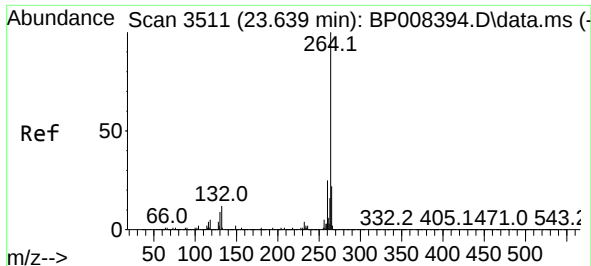
Tgt Ion:240 Resp: 316011
Ion Ratio Lower Upper
240 100
120 7.4 7.3 10.9
236 26.2 21.4 32.2



#79
Terphenyl-d14
Concen: 46.187 ng
RT: 19.722 min Scan# 2845
Delta R.T. -0.012 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

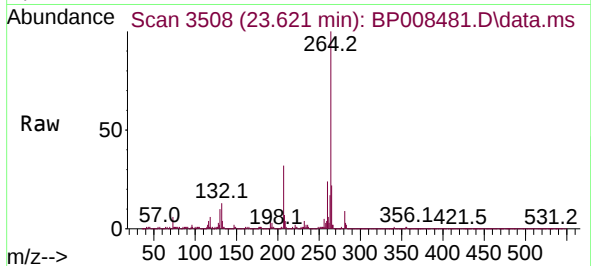
Tgt Ion:244 Resp: 838632
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 7.1 6.6 9.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.621 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP008481.D
Acq: 17 Dec 2021 20:43

Instrument :
BNA_P
ClientSampleId :



Tgt Ion:264 Resp: 347762

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	22.2	17.6	26.4

