

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120621\
 Data File : BP008236.D
 Acq On : 06 Dec 2021 19:18
 Operator : CG/JU
 Sample : M4932-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DRUM1-2

Quant Time: Dec 07 05:11:29 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 03 14:39:24 2021
 Response via : Initial Calibration

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

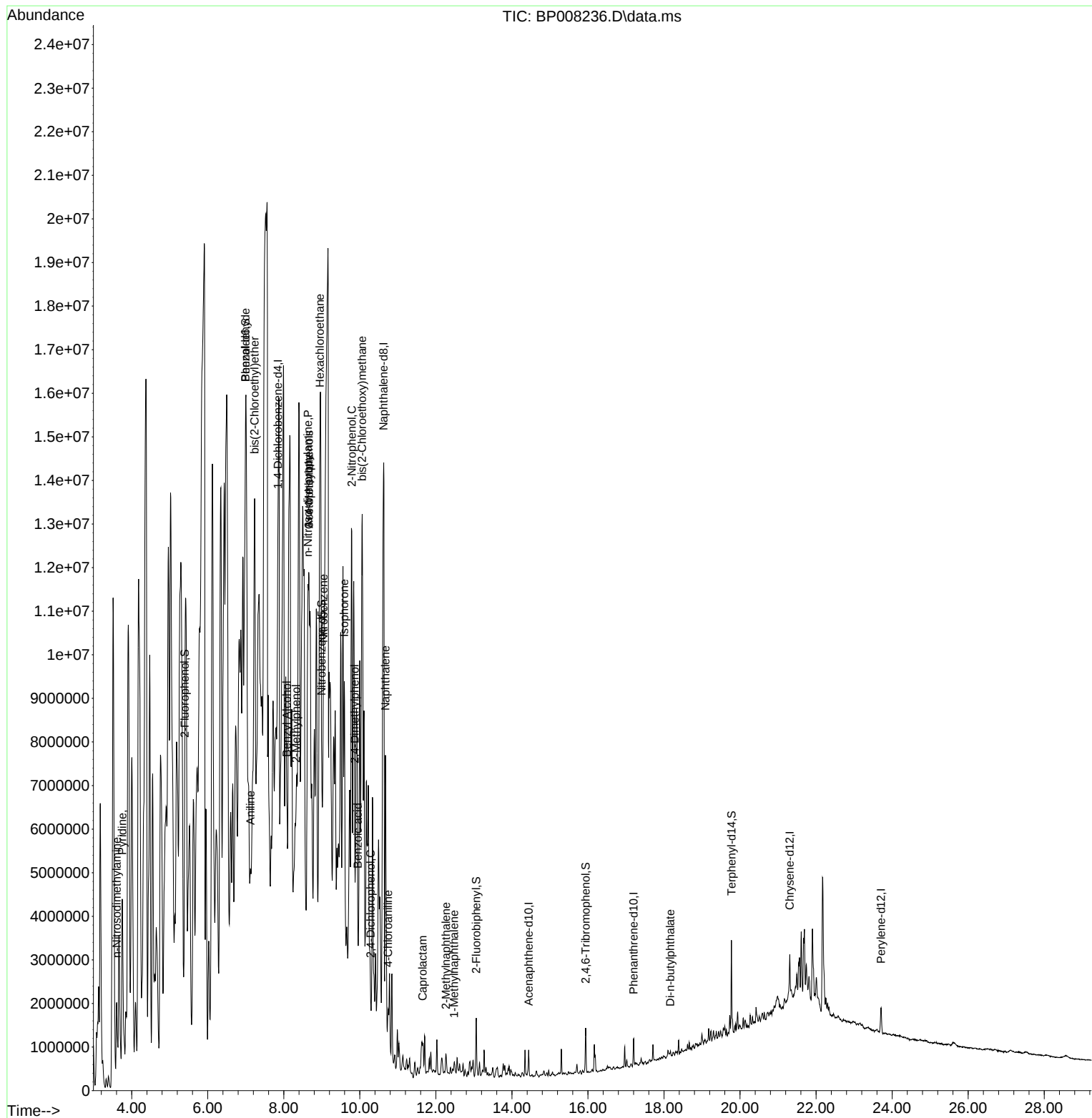
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.846	152	53413	20.000	ng	0.05
21) Naphthalene-d8	10.622	136	224676	20.000	ng	# 0.02
39) Acenaphthene-d10	14.439	164	184469	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	379996	20.000	ng	0.00
76) Chrysene-d12	21.310	240	415098	20.000	ng	0.00
86) Perylene-d12	23.709	264	464383	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	325752	98.195	ng	0.00
7) Phenol-d6	6.993	99	224546	50.142	ng	0.00
23) Nitrobenzene-d5	8.993	82	741161	150.007	ng	0.03
42) 2,4,6-Tribromophenol	15.939	330	202482	85.877	ng	-0.01
45) 2-Fluorobiphenyl	13.063	172	580467	45.707	ng	0.00
79) Terphenyl-d14	19.774	244	915573	46.097	ng	0.00
Target Compounds						Qvalue
3) Pyridine	3.752	79	70115	16.974	ng	# 36
4) n-Nitrosodimethylamine	3.605	42	201340	116.858	ng	# 1
6) Aniline	7.128	93	15362	2.926	ng	# 1
9) Benzaldehyde	6.993	77	459966	203.605	ng	# 1
11) bis(2-Chloroethyl)ether	7.234	93	101099	27.485	ng	# 1
15) Benzyl Alcohol	8.081	79	89230	25.148	ng	# 69
17) 2-Methylphenol	8.322	107	21607	7.217	ng	# 1
18) Hexachloroethane	8.951	117	1173711	794.274	ng	# 1
19) n-Nitroso-di-n-propyla...	8.634	70	297540	96.020	ng	# 70
20) 3+4-Methylphenols	8.657	107	27993	6.775	ng	# 1
22) Acetophenone	8.657	105	4407082	717.122	ng	# 58
24) Nitrobenzene	9.040	77	268925	56.125	ng	# 65
25) Isophorone	9.593	82	764982	88.498	ng	# 1
26) 2-Nitrophenol	9.787	139	65969	31.910	ng	# 1
27) 2,4-Dimethylphenol	9.863	122	147747	47.787	ng	# 61
28) bis(2-Chloroethoxy)met...	10.057	93	99343	18.033	ng	# 1
29) 2,4-Dichlorophenol	10.287	162	36596	9.911	ng	# 47
31) Naphthalene	10.675	128	2646090	229.905	ng	# 92
32) Benzoic acid	9.945	122	35409	14.001	ng	# 1
33) 4-Chloroaniline	10.740	127	16053	3.362	ng	# 1
35) Caprolactam	11.651	113	57302	69.859	ng	# 45
37) 2-Methylnaphthalene	12.263	142	114781	14.100	ng	# 90
38) 1-Methylnaphthalene	12.481	142	95930	12.107	ng	# 97
74) Di-n-butylphthalate	18.169	149	73396	3.017	ng	# 91
78) Pyrene	19.574	202	45006	Below Cal		# 94

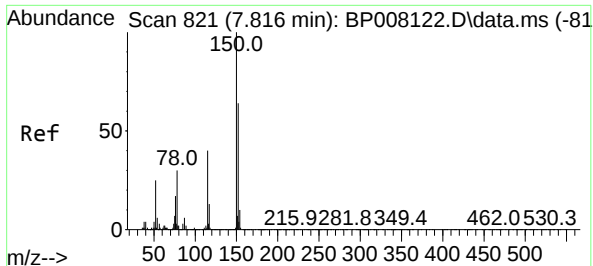
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 03 14:39:24 2021
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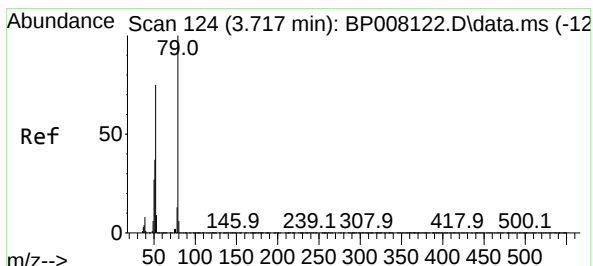
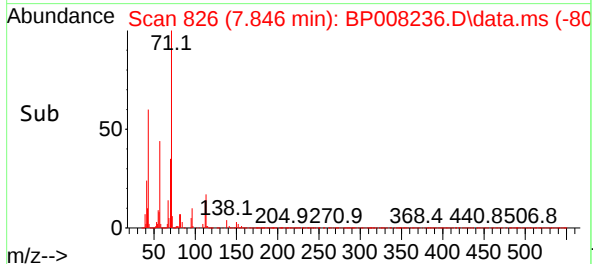
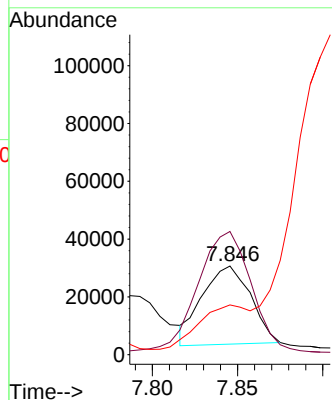
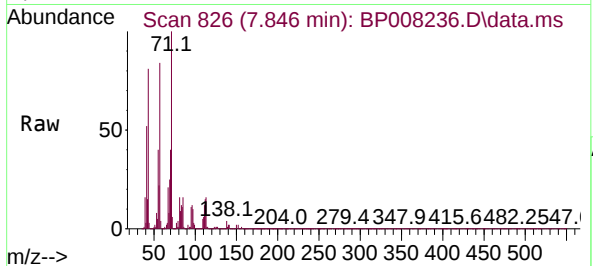




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.846 min Scan# 81
Delta R.T. 0.047 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

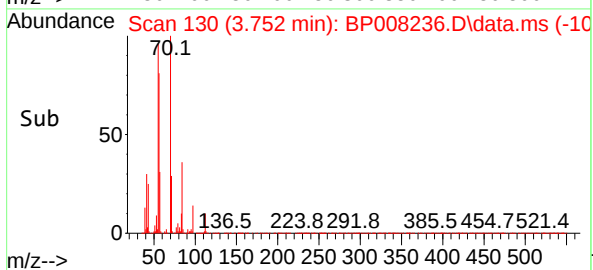
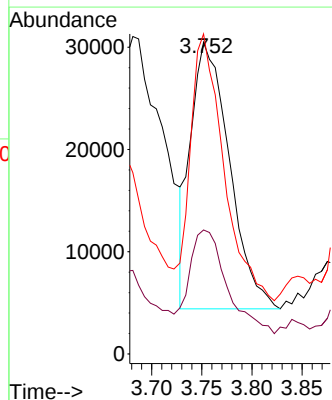
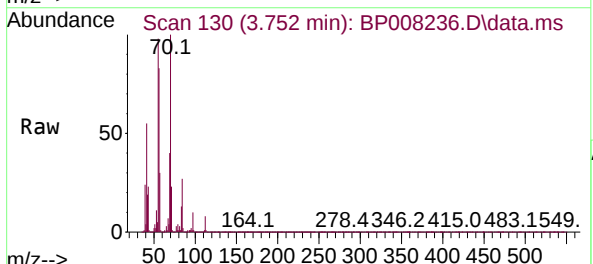
Instrument :
BNA_P
ClientSampleId :
DRUM1-2

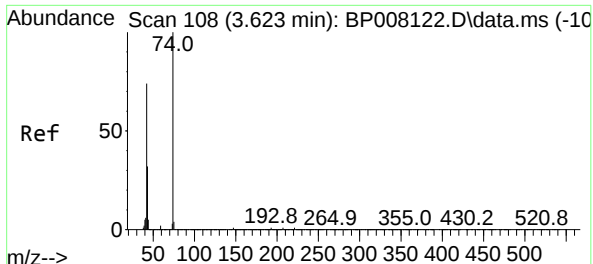
Tgt Ion:152 Resp: 53413
Ion Ratio Lower Upper
152 100
150 139.0 125.7 188.5
115 56.2 50.7 76.1



#3
Pyridine
Concen: 16.974 ng
RT: 3.752 min Scan# 130
Delta R.T. 0.053 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

Tgt Ion: 79 Resp: 70115
Ion Ratio Lower Upper
79 100
52 39.8 60.0 90.0#
51 102.6 29.6 44.4#

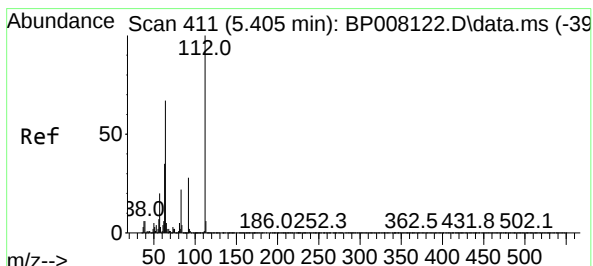
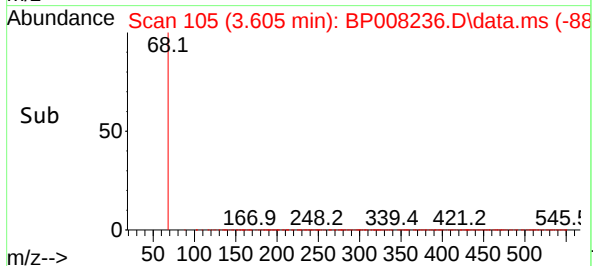
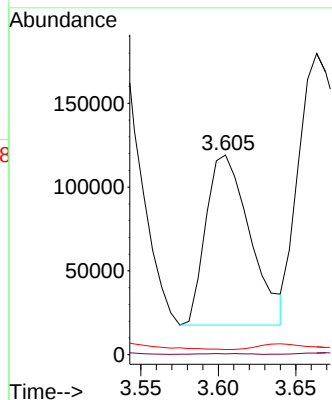
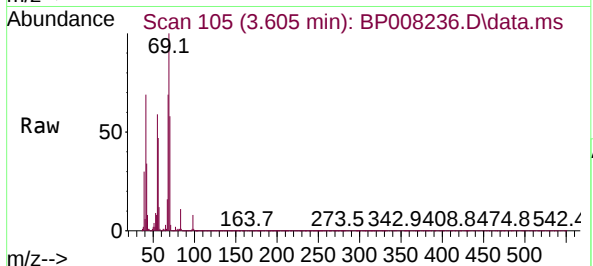




#4
n-Nitrosodimethylamine
Concen: 116.858 ng
RT: 3.605 min Scan# 105
Delta R.T. -0.000 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

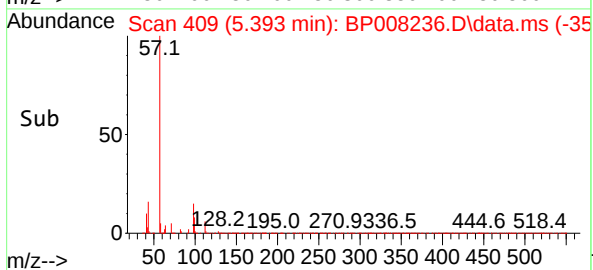
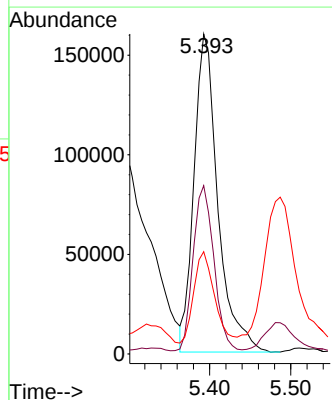
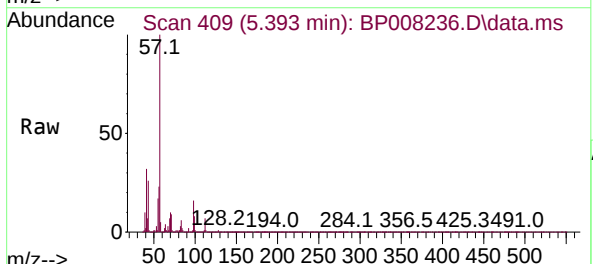
Instrument :
BNA_P
ClientSampleId :
DRUM1-2

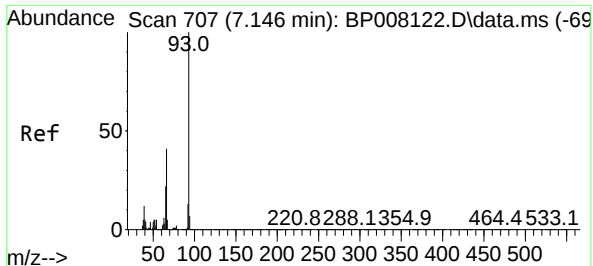
Tgt Ion: 42 Resp: 201340
Ion Ratio Lower Upper
42 100
74 0.4 108.0 162.0#
44 2.6 5.8 8.6#



#5
2-Fluorophenol
Concen: 98.195 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.006 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

Tgt Ion: 112 Resp: 325752
Ion Ratio Lower Upper
112 100
64 52.6 53.4 80.2#
63 31.9 27.8 41.8





#6

Aniline

Concen: 2.926 ng

RT: 7.128 min Scan# 707

Delta R.T. -0.000 min

Lab File: BP008236.D

Acq: 06 Dec 2021 19:18

Instrument :

BNA_P

ClientSampleId :

DRUM1-2

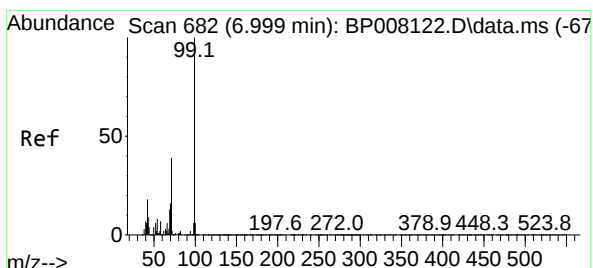
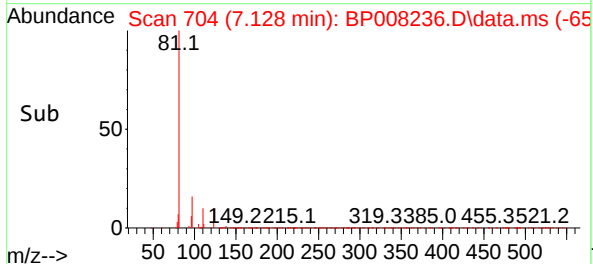
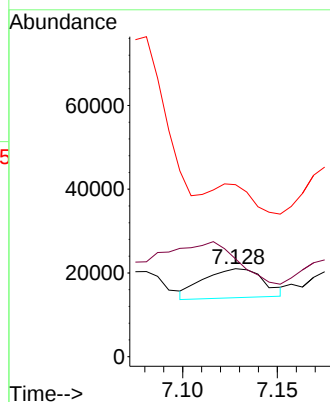
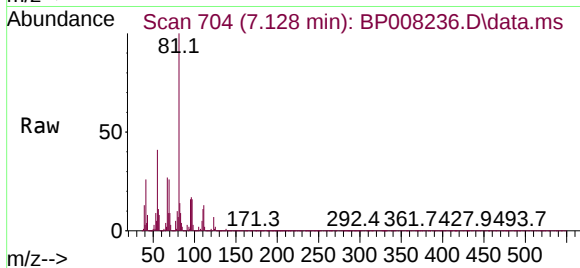
Tgt Ion: 93 Resp: 15362

Ion Ratio Lower Upper

93 100

66 111.2 32.9 49.3#

65 195.6 17.5 26.3#



#7

Phenol-d6

Concen: 50.142 ng

RT: 6.993 min Scan# 681

Delta R.T. 0.006 min

Lab File: BP008236.D

Acq: 06 Dec 2021 19:18

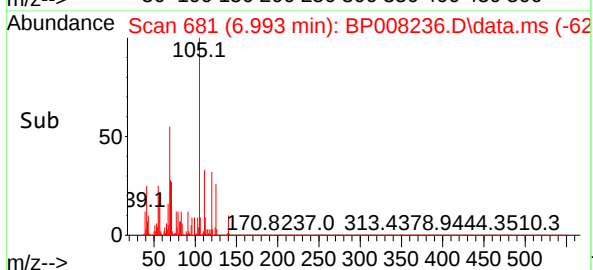
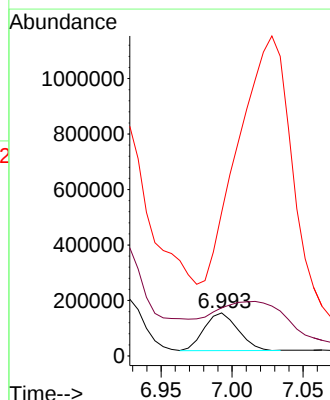
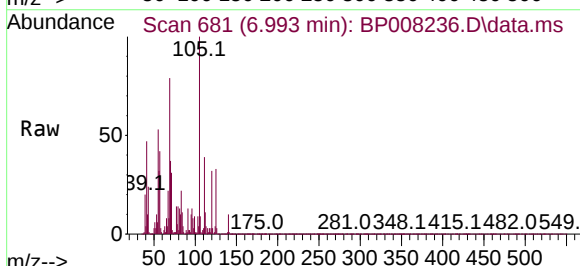
Tgt Ion: 99 Resp: 224546

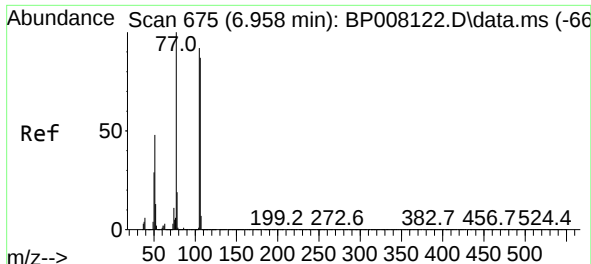
Ion Ratio Lower Upper

99 100

42 112.2 14.6 22.0#

71 334.0 31.1 46.7#

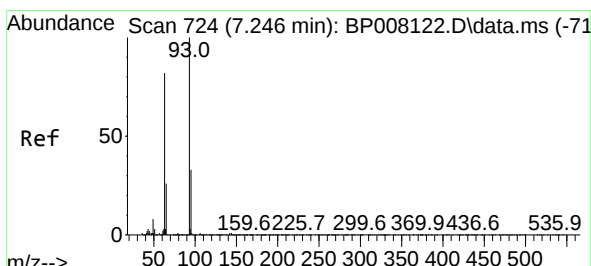
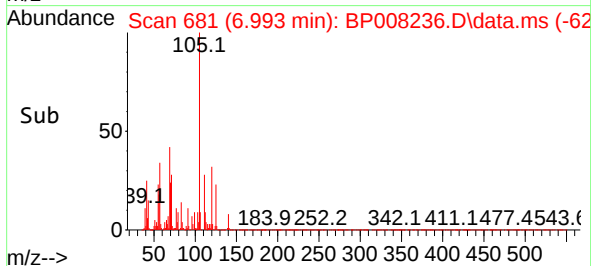
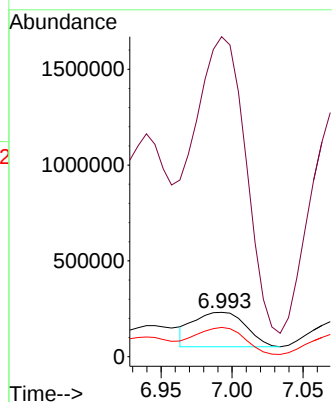
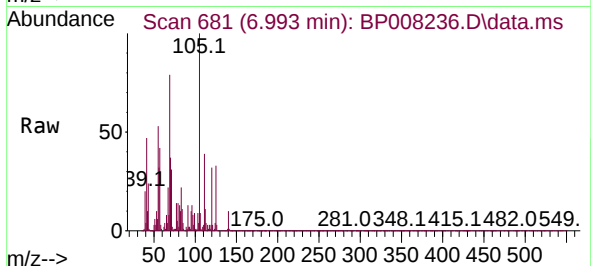




#9
Benzaldehyde
Concen: 203.605 ng
RT: 6.993 min Scan# 61
Delta R.T. 0.053 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

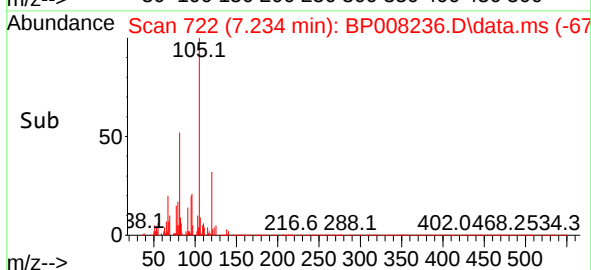
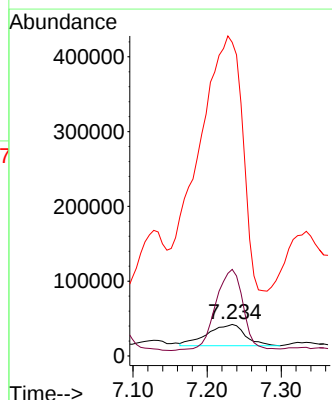
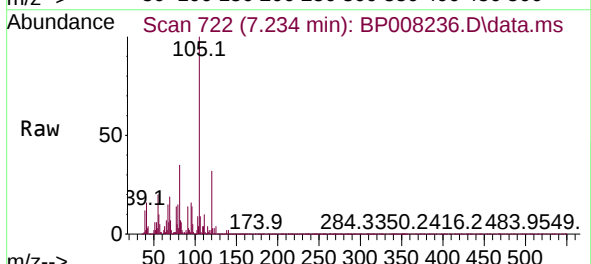
Instrument :
BNA_P
ClientSampleId :
DRUM1-2

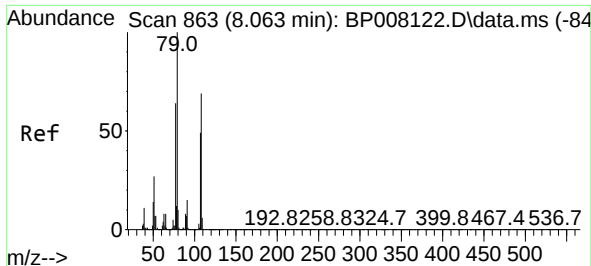
Tgt Ion: 77 Resp: 459966
Ion Ratio Lower Upper
77 100
105 722.9 71.8 111.8#
106 66.1 67.3 107.3#



#11
bis(2-Chloroethyl)ether
Concen: 27.485 ng
RT: 7.234 min Scan# 722
Delta R.T. 0.006 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

Tgt Ion: 93 Resp: 101099
Ion Ratio Lower Upper
93 100
63 273.8 61.8 101.8#
95 992.5 12.5 52.5#

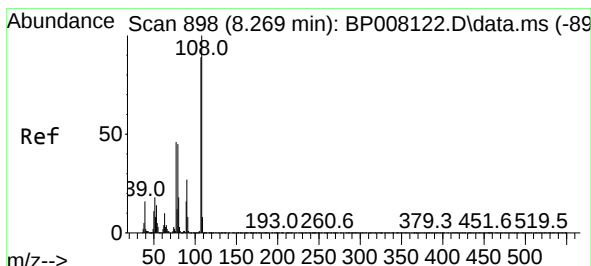
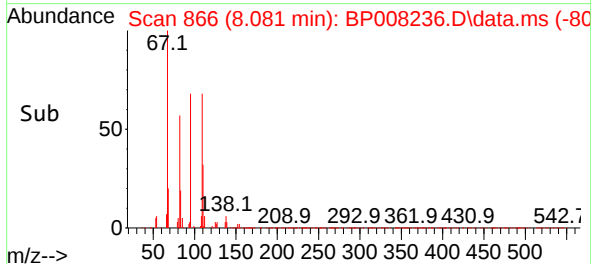
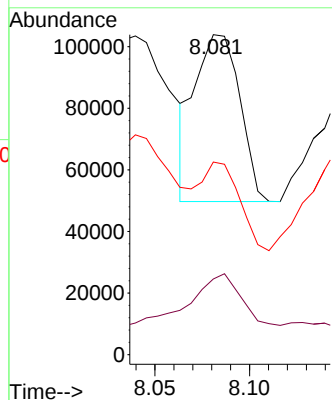
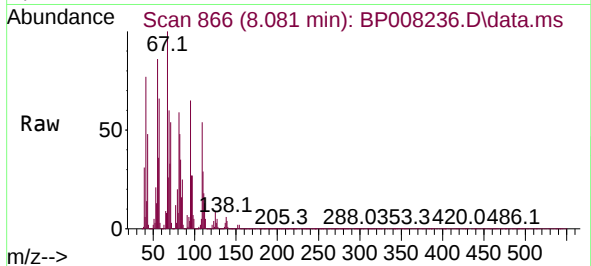




#15
Benzyl Alcohol
Concen: 25.148 ng
RT: 8.081 min Scan# 80
Delta R.T. 0.035 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

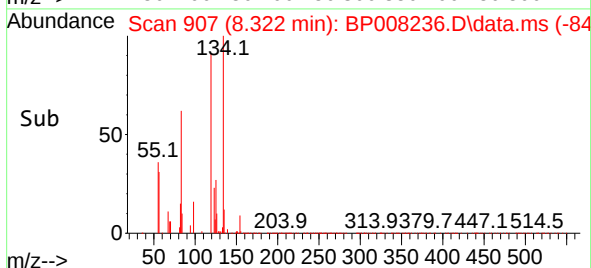
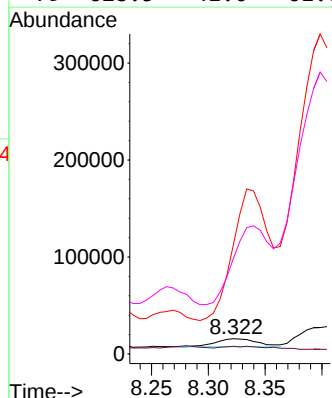
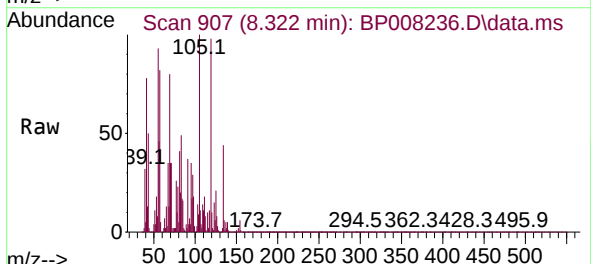
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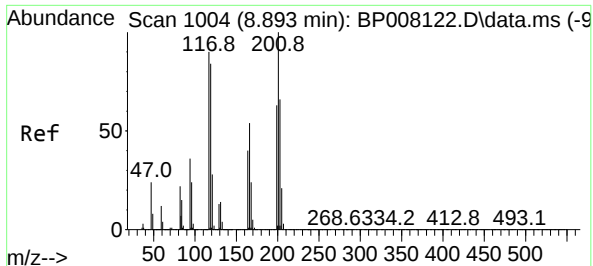
Tgt Ion: 79 Resp: 89230
Ion Ratio Lower Upper
79 100
108 23.7 55.5 83.3#
77 60.2 51.0 76.6



#17
2-Methylphenol
Concen: 7.217 ng
RT: 8.322 min Scan# 907
Delta R.T. 0.064 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

Tgt Ion: 107 Resp: 21607
Ion Ratio Lower Upper
107 100
108 51.2 90.2 135.2#
77 718.6 41.3 61.9#
79 628.5 41.0 61.6#

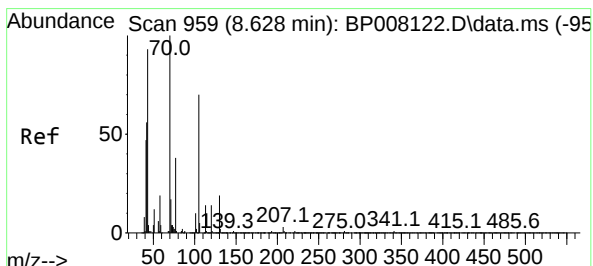
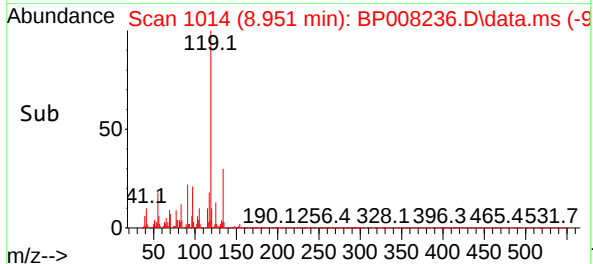
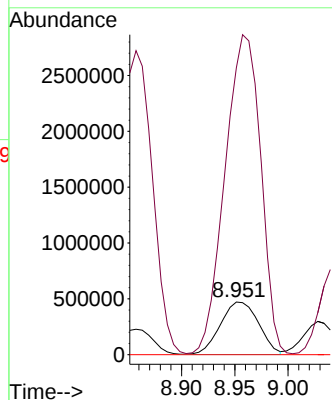
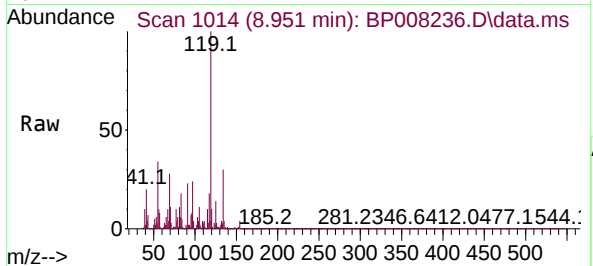




#18
Hexachloroethane
Concen: 794.274 ng
RT: 8.951 min Scan# 1173711
Delta R.T. 0.076 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

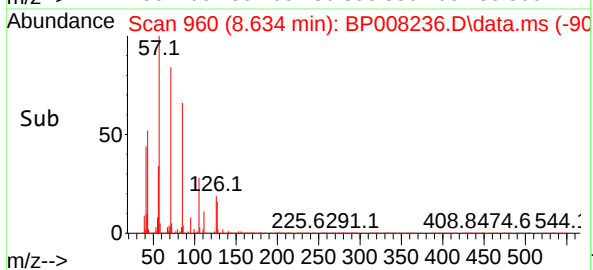
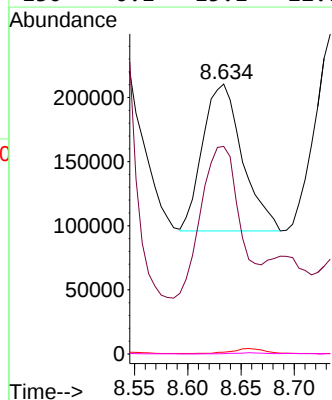
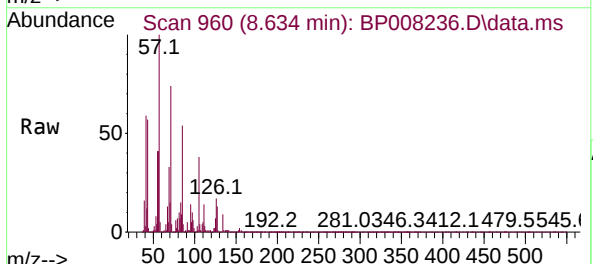
Instrument :
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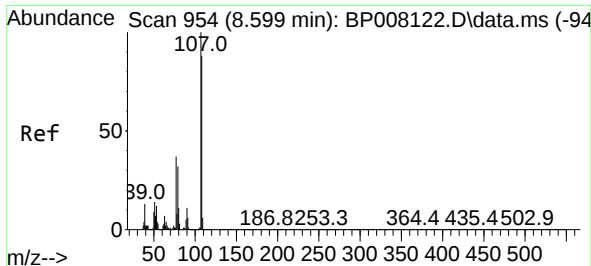
Tgt Ion:117 Resp: 1173711
Ion Ratio Lower Upper
117 100
119 544.9 74.7 112.1#
201 0.0 88.6 132.8#



#19
n-Nitroso-di-n-propylamine
Concen: 96.020 ng
RT: 8.634 min Scan# 960
Delta R.T. 0.017 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

Tgt Ion: 70 Resp: 297540
Ion Ratio Lower Upper
70 100
42 76.9 45.4 68.2#
101 0.7 7.6 11.4#
130 0.1 15.1 22.7#

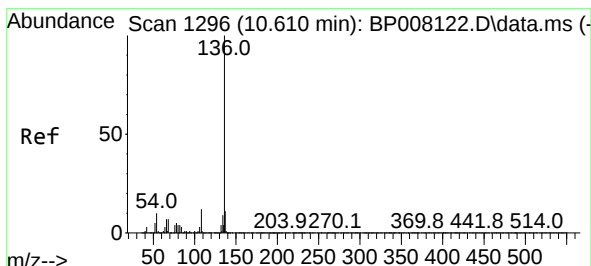
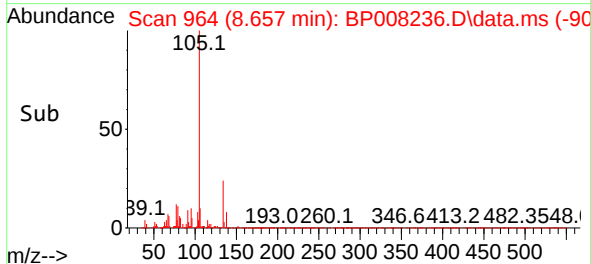
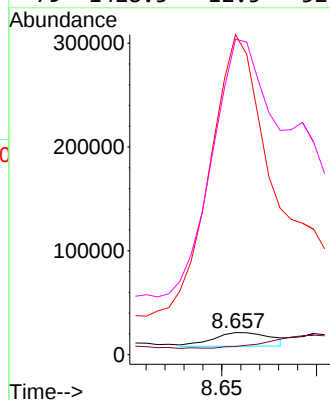
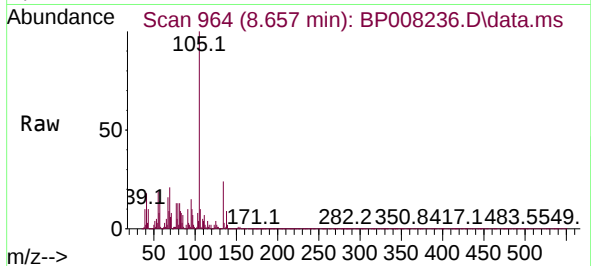




#20
3+4-Methylphenols
Concen: 6.775 ng
RT: 8.657 min Scan# 90
Delta R.T. 0.070 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

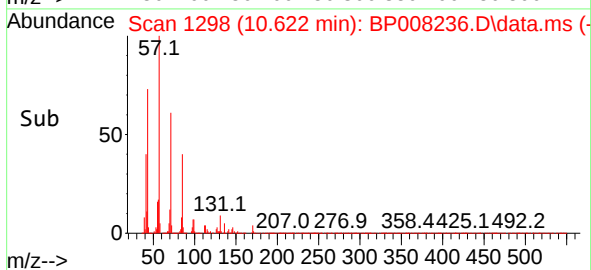
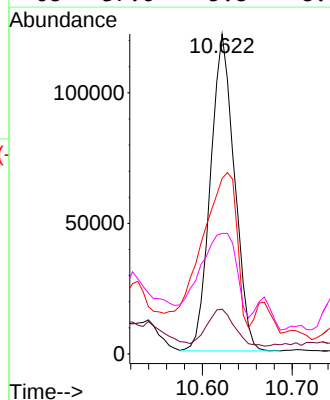
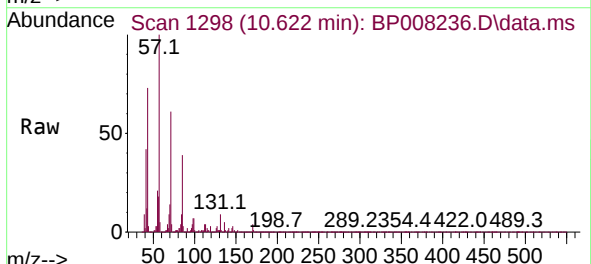
Instrument :
BNA_P
ClientSampleId :
DRUM1-2

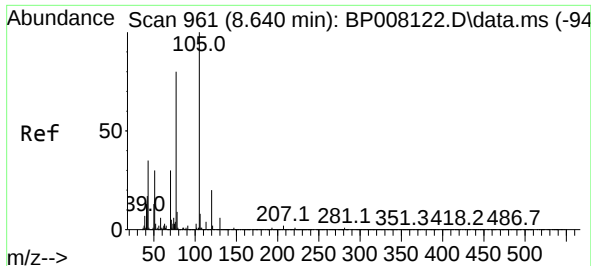
Tgt Ion:107 Resp: 27993
Ion Ratio Lower Upper
107 100
108 37.0 68.2 108.2#
77 1448.7 16.9 56.9#
79 1428.5 12.5 52.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1298
Delta R.T. 0.023 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

Tgt Ion:136 Resp: 224676
Ion Ratio Lower Upper
136 100
137 14.0 9.0 13.6#
54 54.8 8.2 12.4#
68 37.6 5.8 8.8#

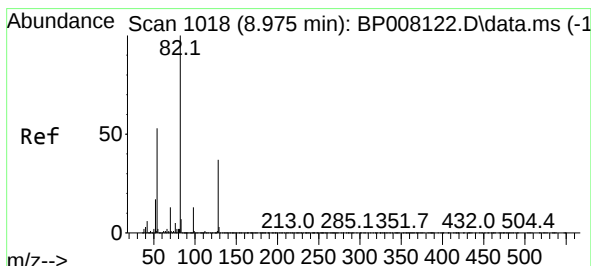
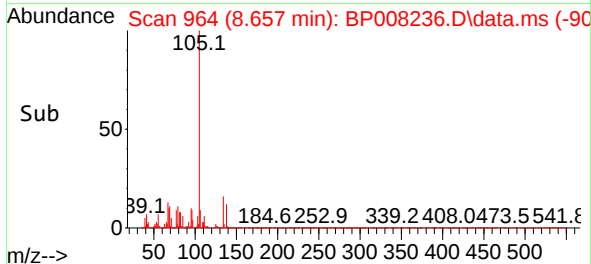
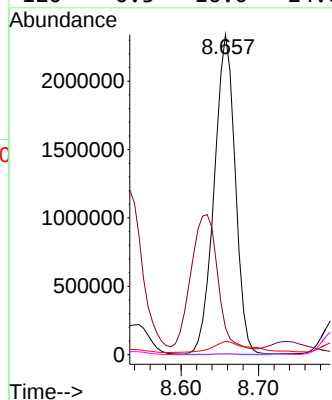
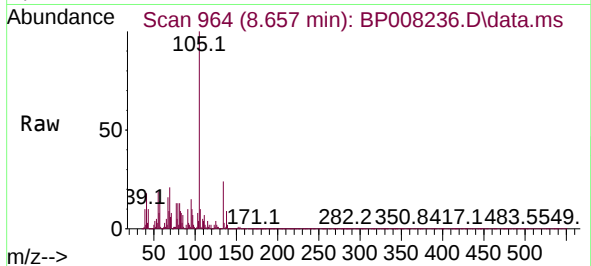




#22
Acetophenone
Concen: 717.122 ng
RT: 8.657 min Scan# 90
Delta R.T. 0.029 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

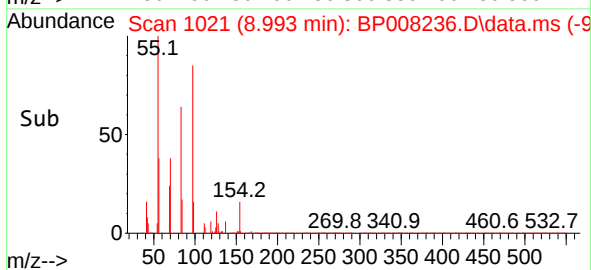
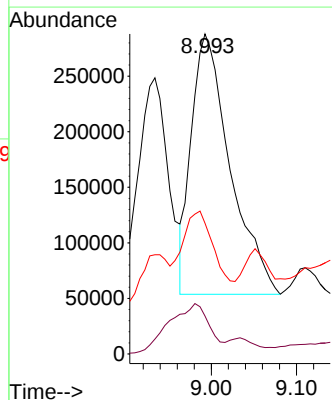
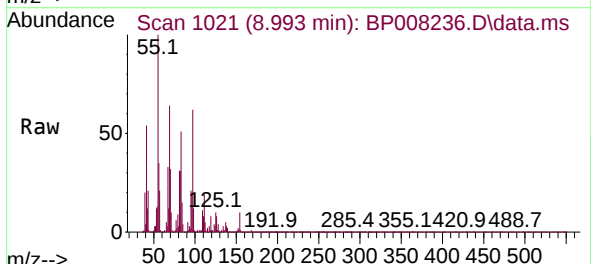
Instrument :
BNA_P
ClientSampleId :
DRUM1-2

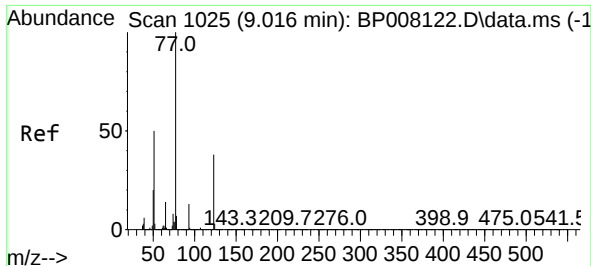
Tgt Ion:105 Resp: 4407082
Ion Ratio Lower Upper
105 100
71 8.4 4.0 6.0#
51 4.2 23.8 35.6#
120 0.3 16.0 24.0#



#23
Nitrobenzene-d5
Concen: 150.007 ng
RT: 8.993 min Scan# 1021
Delta R.T. 0.029 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

Tgt Ion: 82 Resp: 741161
Ion Ratio Lower Upper
82 100
128 11.9 29.6 44.4#
54 40.8 42.7 64.1#

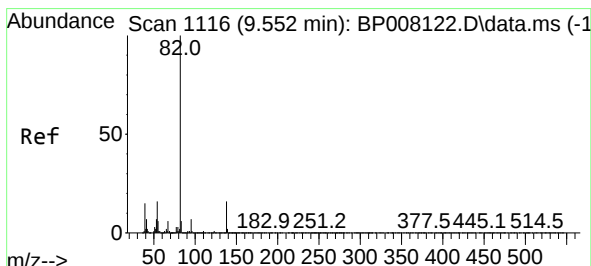
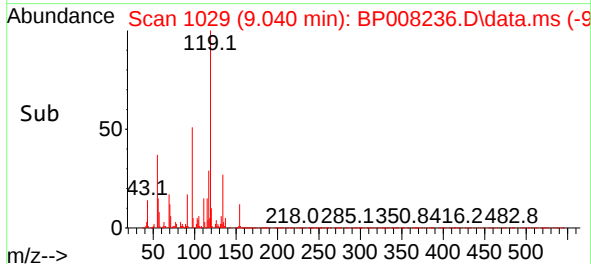
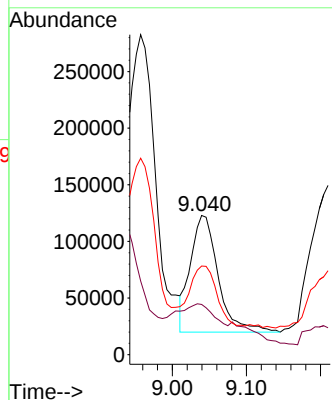
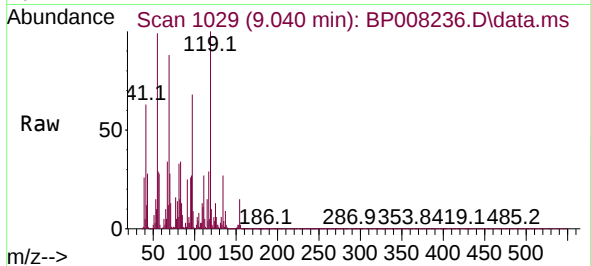




#24
Nitrobenzene
Concen: 56.125 ng
RT: 9.040 min Scan# 1025
Delta R.T. 0.035 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

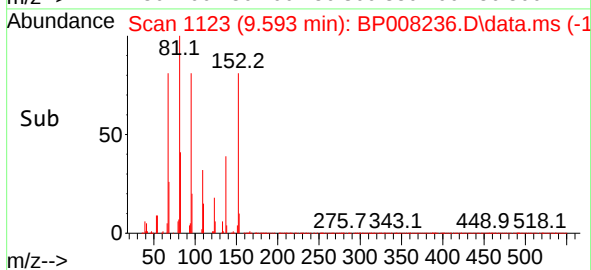
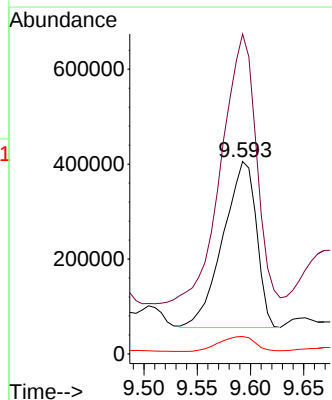
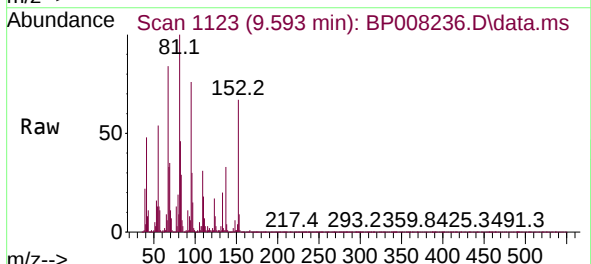
Instrument :
BNA_P
ClientSampleId :
DRUM1-2

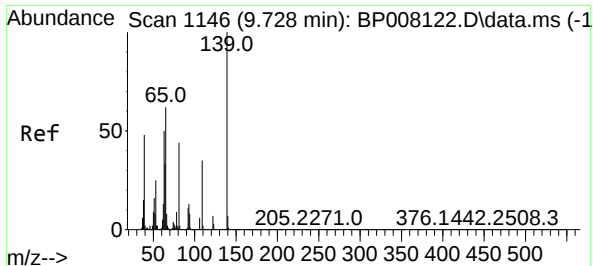
Tgt Ion: 77 Resp: 268925
Ion Ratio Lower Upper
77 100
123 36.1 30.4 45.6
65 63.7 11.3 16.9#



#25
Isophorone
Concen: 88.498 ng
RT: 9.593 min Scan# 1123
Delta R.T. 0.059 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

Tgt Ion: 82 Resp: 764982
Ion Ratio Lower Upper
82 100
95 166.2 5.9 8.9#
138 9.1 12.7 19.1#

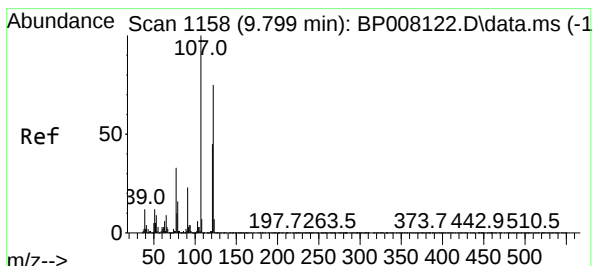
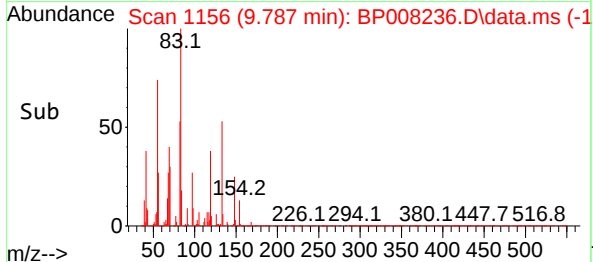
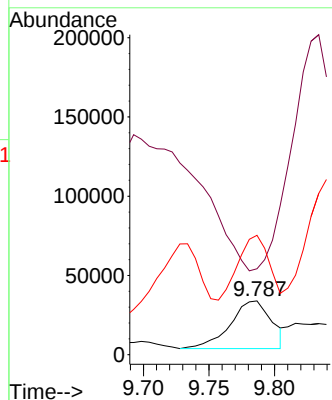
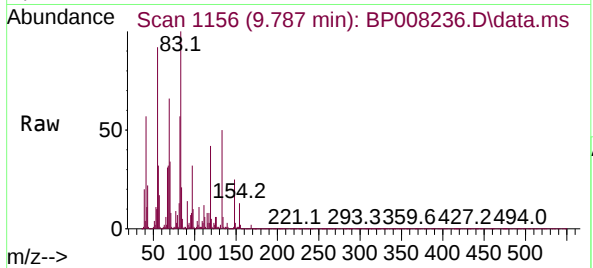




#26
2-Nitrophenol
Concen: 31.910 ng
RT: 9.787 min Scan# 1156
Delta R.T. 0.070 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

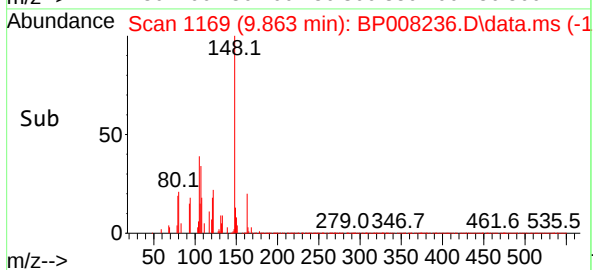
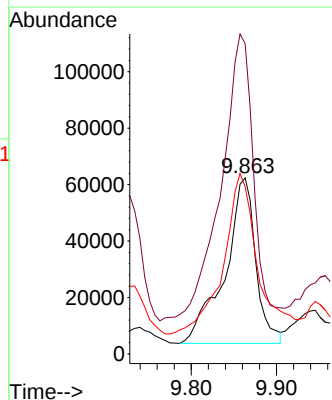
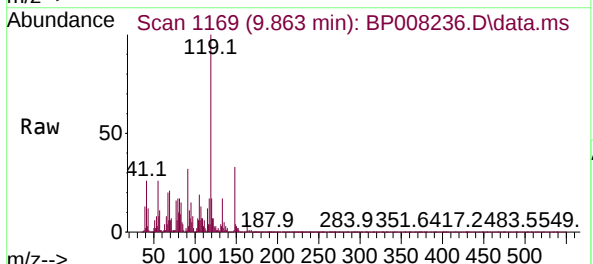
Instrument :
BNA_P
ClientSampleId :
DRUM1-2

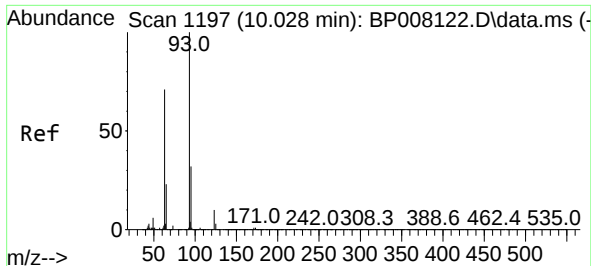
Tgt Ion:139 Resp: 65969
Ion Ratio Lower Upper
139 100
109 159.9 28.3 42.5#
65 222.2 49.7 74.5#



#27
2,4-Dimethylphenol
Concen: 47.787 ng
RT: 9.863 min Scan# 1169
Delta R.T. 0.076 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

Tgt Ion:122 Resp: 147747
Ion Ratio Lower Upper
122 100
107 176.3 106.6 160.0#
121 95.0 48.1 72.1#

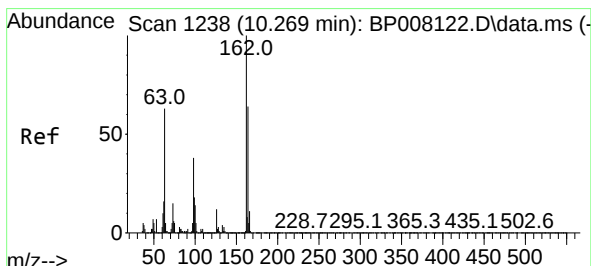
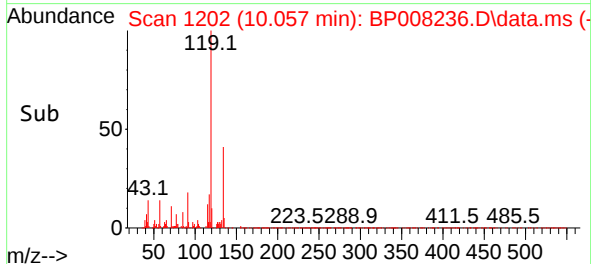
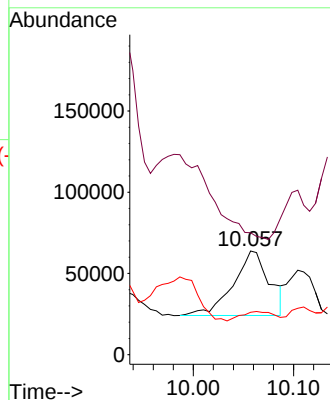
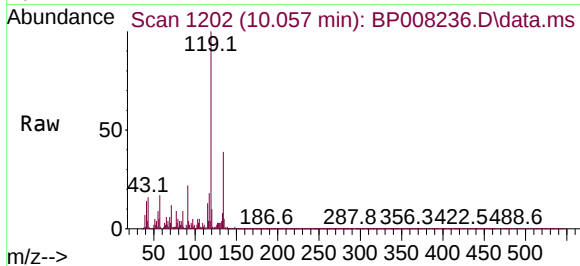




#28
bis(2-Chloroethoxy)methane
Concen: 18.033 ng
RT: 10.057 min Scan# 1197
Delta R.T. 0.047 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

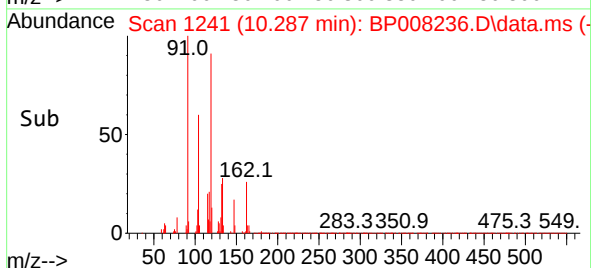
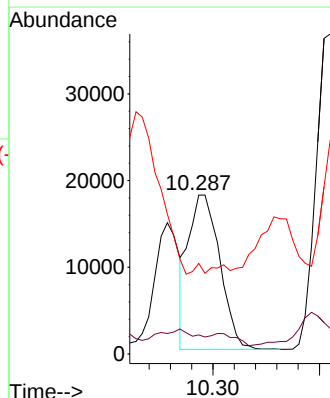
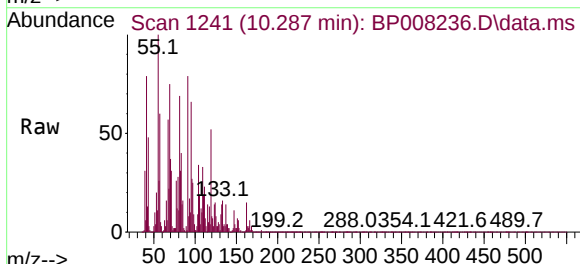
Instrument :
BNA_P
ClientSampleId :
DRUM1-2

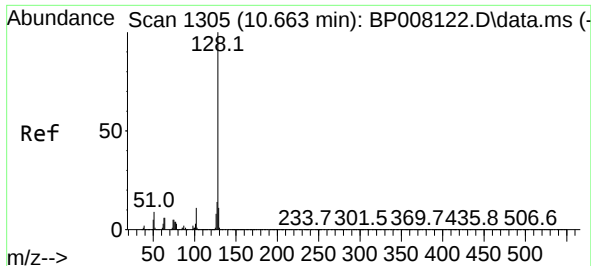
Tgt Ion: 93 Resp: 99343
Ion Ratio Lower Upper
93 100
95 117.6 25.4 38.2#
123 40.9 7.8 11.6#



#29
2,4-Dichlorophenol
Concen: 9.911 ng
RT: 10.287 min Scan# 1241
Delta R.T. 0.029 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

Tgt Ion:162 Resp: 36596
Ion Ratio Lower Upper
162 100
164 12.0 43.9 83.9#
98 57.0 17.9 57.9

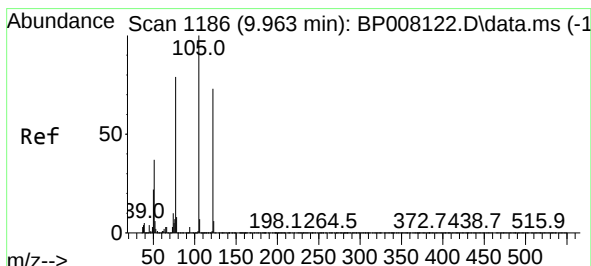
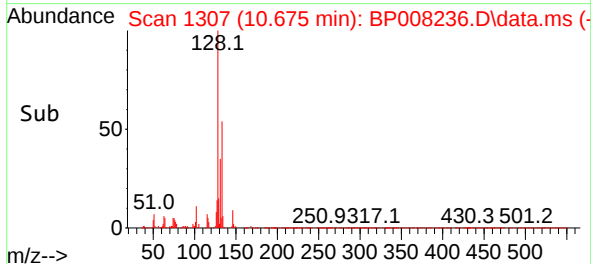
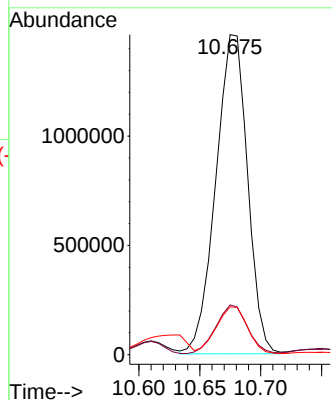
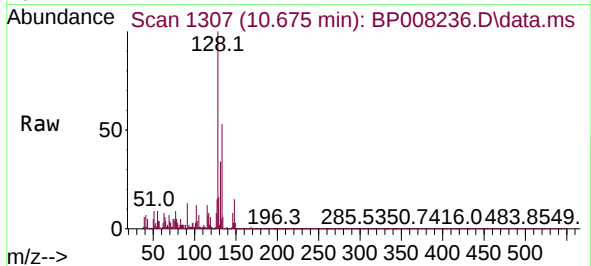




#31
Naphthalene
Concen: 229.905 ng
RT: 10.675 min Scan# 1183
Delta R.T. 0.029 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

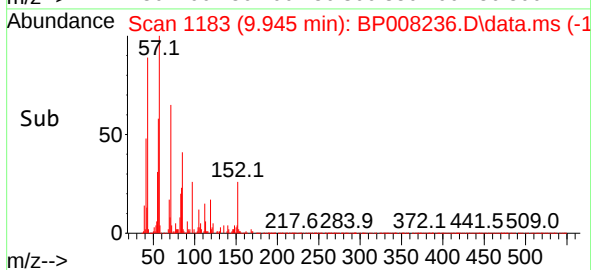
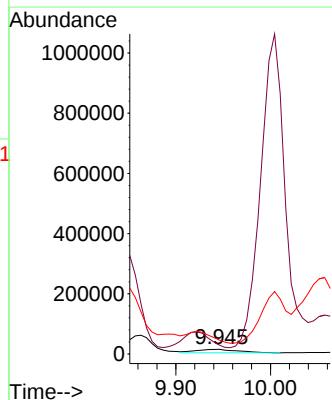
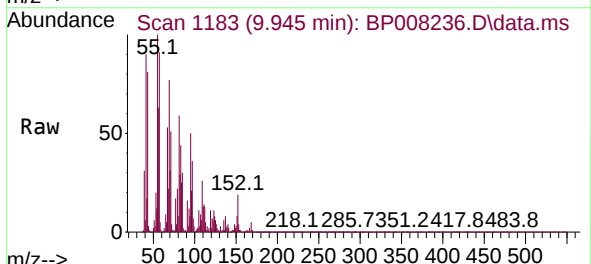
Instrument :
BNA_P
ClientSampleId :
DRUM1-2

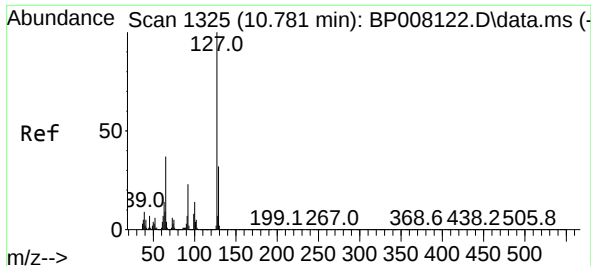
Tgt Ion:128 Resp: 2646090
Ion Ratio Lower Upper
128 100
129 15.5 8.5 12.7#
127 15.0 10.9 16.3



#32
Benzoic acid
Concen: 14.001 ng
RT: 9.945 min Scan# 1183
Delta R.T. -0.036 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

Tgt Ion:122 Resp: 35409
Ion Ratio Lower Upper
122 100
105 196.6 117.4 157.4#
77 301.7 89.2 129.2#

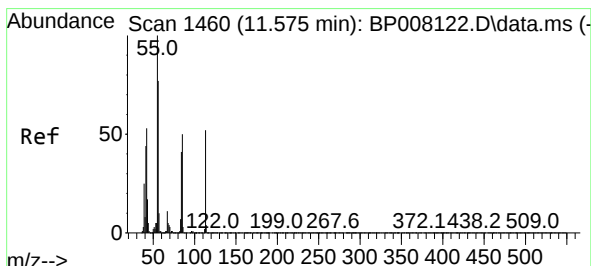
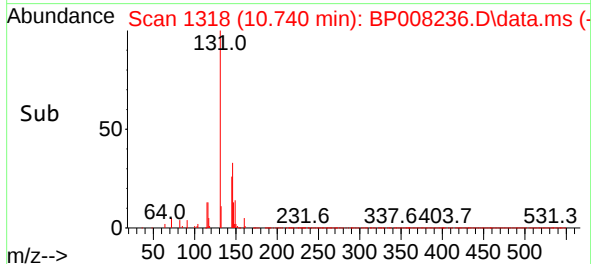
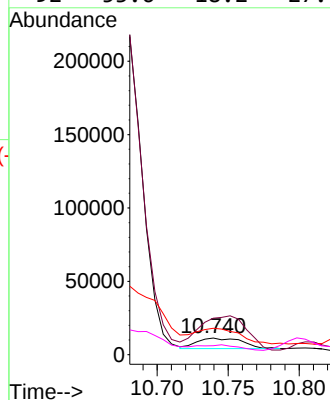
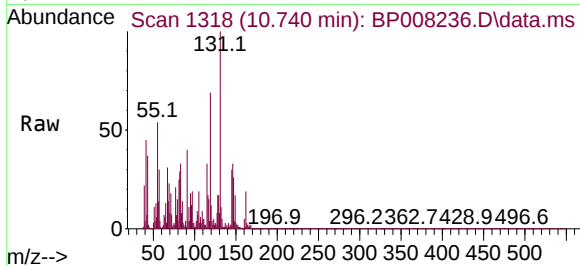




#33
4-Chloroaniline
Concen: 3.362 ng
RT: 10.740 min Scan# 11
Delta R.T. -0.024 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

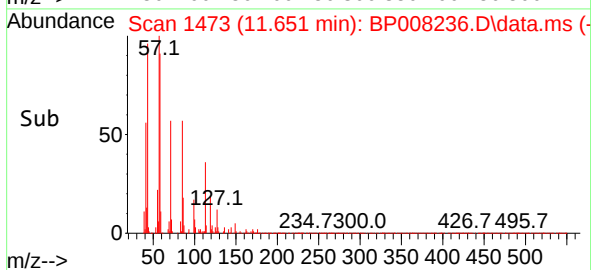
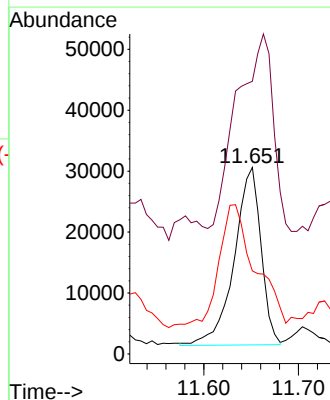
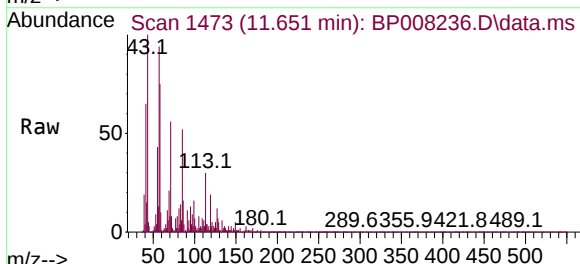
Instrument :
BNA_P
ClientSampleId :
DRUM1-2

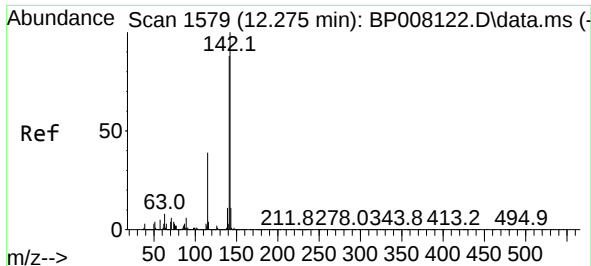
Tgt Ion:127	Resp: 16053
Ion Ratio	Lower Upper
127 100	
129 218.5	25.4 38.2#
65 158.0	29.5 44.3#
92 53.6	18.2 27.4#



#35
Caprolactam
Concen: 69.859 ng
RT: 11.651 min Scan# 1473
Delta R.T. 0.076 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

Tgt Ion:113	Resp: 57302
Ion Ratio	Lower Upper
113 100	
55 146.2	174.2 214.2#
56 44.5	130.3 170.3#





#37

2-Methylnaphthalene

Concen: 14.100 ng

RT: 12.263 min Scan# 11

Delta R.T. -0.000 min

Lab File: BP008236.D

Acq: 06 Dec 2021 19:18

Instrument :

BNA_P

ClientSampleId :

DRUM1-2

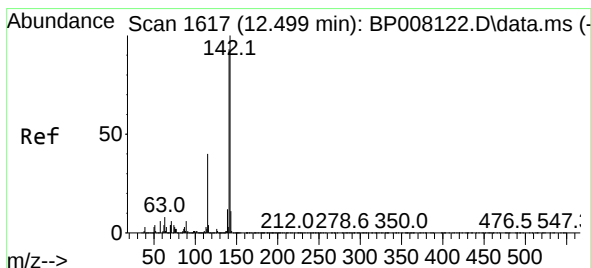
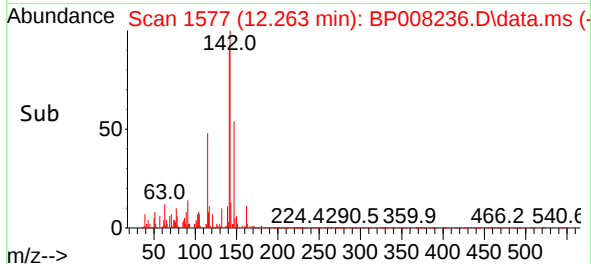
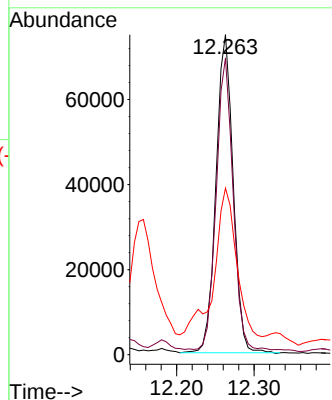
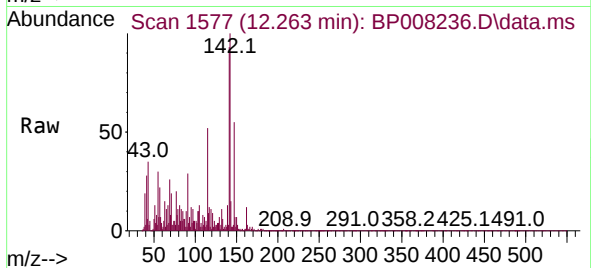
Tgt Ion:142 Resp: 114781

Ion Ratio Lower Upper

142 100

141 92.8 70.7 106.1

115 52.1 30.9 46.3#



#38

1-Methylnaphthalene

Concen: 12.107 ng

RT: 12.481 min Scan# 1614

Delta R.T. -0.000 min

Lab File: BP008236.D

Acq: 06 Dec 2021 19:18

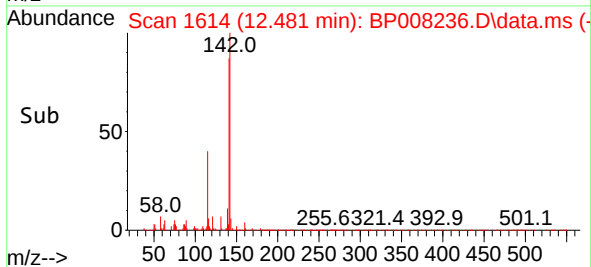
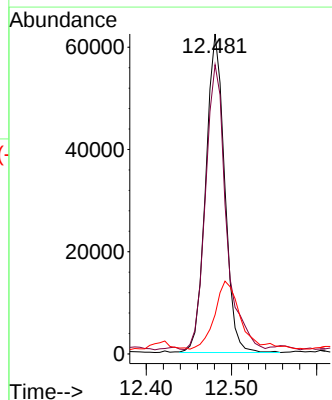
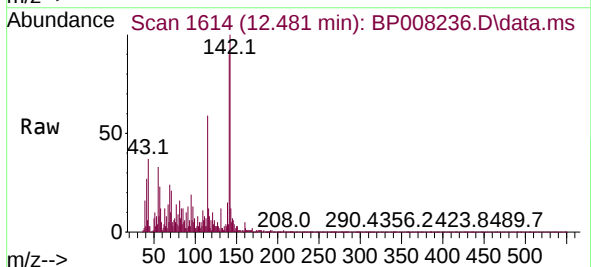
Tgt Ion:142 Resp: 95930

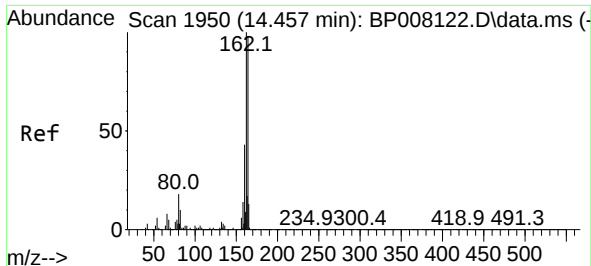
Ion Ratio Lower Upper

142 100

141 90.4 74.2 111.4

116 12.2 3.4 5.2#

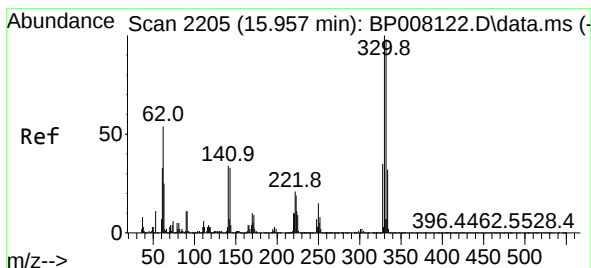
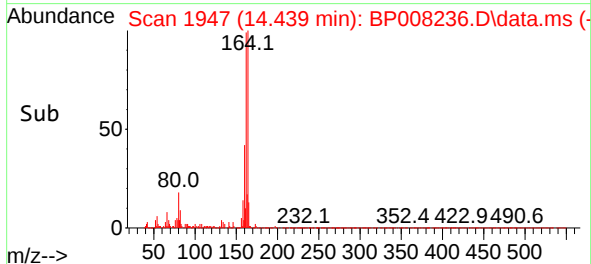
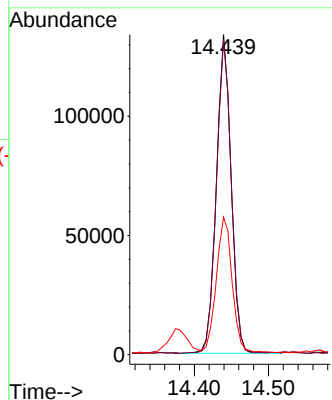
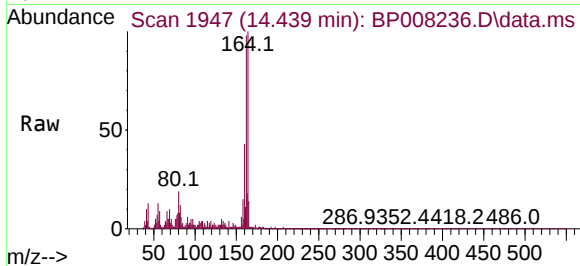




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.439 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

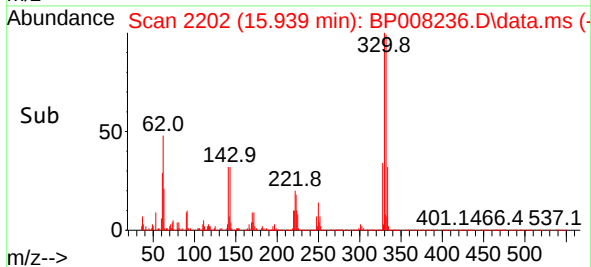
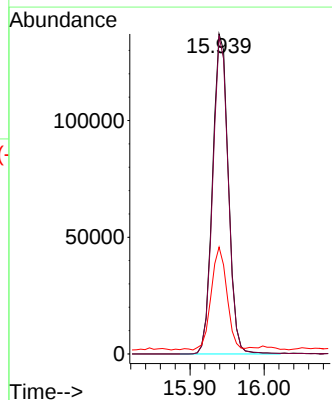
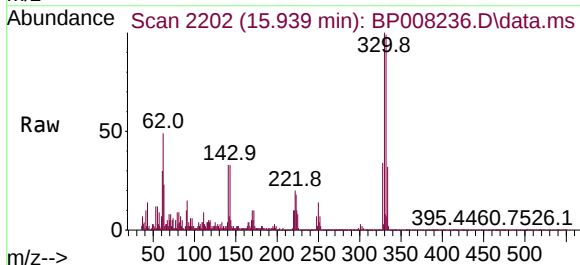
Instrument :
BNA_P
ClientSampleId :
DRUM1-2

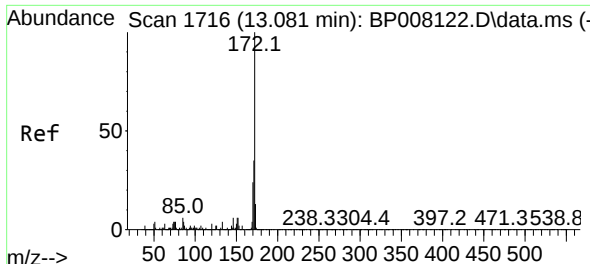
Tgt Ion:164 Resp: 184469
Ion Ratio Lower Upper
164 100
162 98.4 81.9 122.9
160 43.0 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 85.877 ng
RT: 15.939 min Scan# 2202
Delta R.T. -0.012 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

Tgt Ion:330 Resp: 202482
Ion Ratio Lower Upper
330 100
332 97.6 77.0 115.4
141 32.3 28.4 42.6

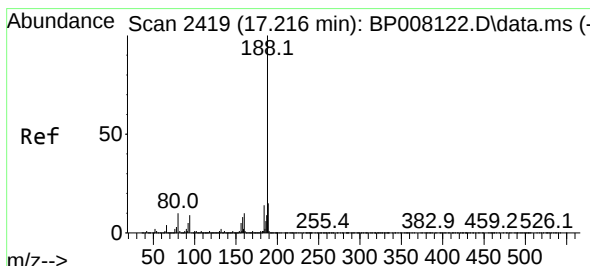
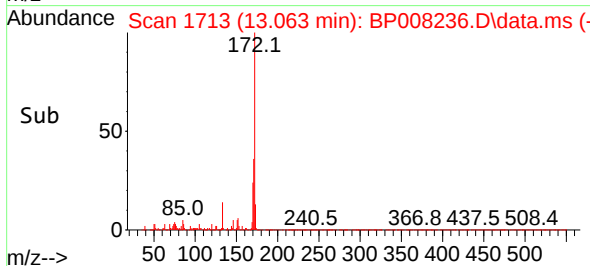
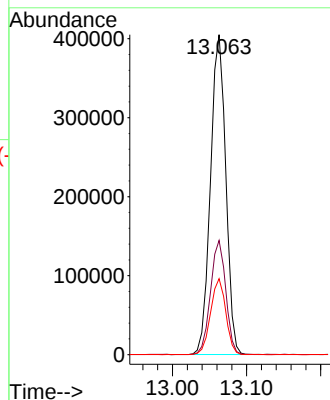
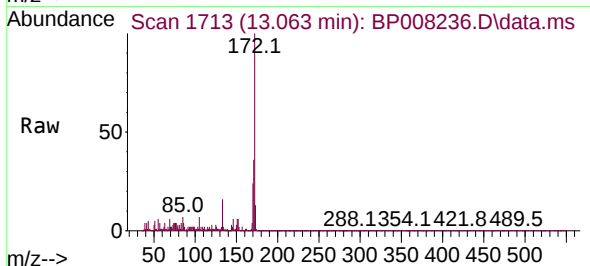




#45
2-Fluorobiphenyl
Concen: 45.707 ng
RT: 13.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

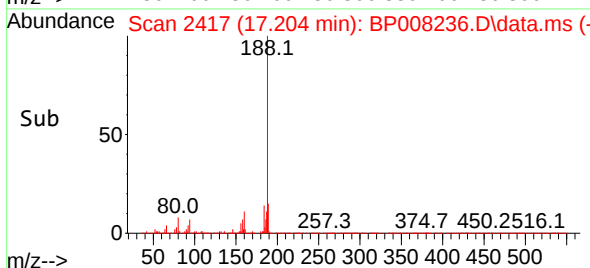
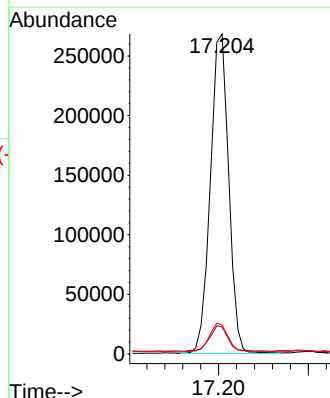
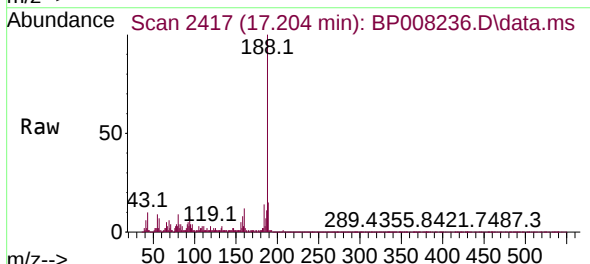
Instrument :
BNA_P
ClientSampleId :
DRUM1-2

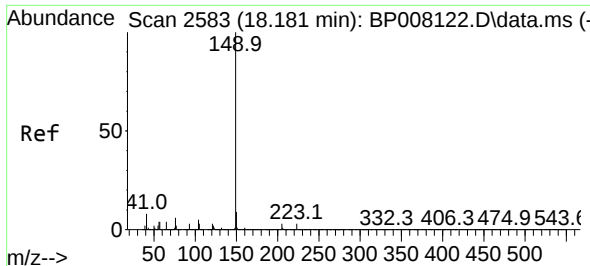
Tgt Ion:172 Resp: 580467
Ion Ratio Lower Upper
172 100
171 35.7 28.0 42.0
170 23.8 18.9 28.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

Tgt Ion:188 Resp: 379996
Ion Ratio Lower Upper
188 100
94 8.4 7.2 10.8
80 9.0 8.2 12.4

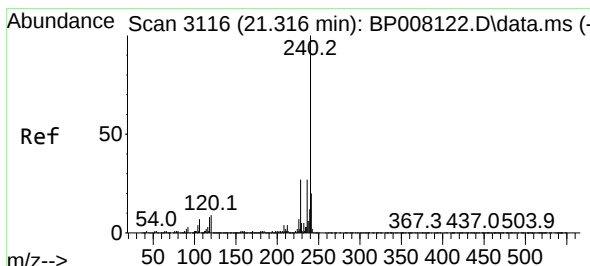
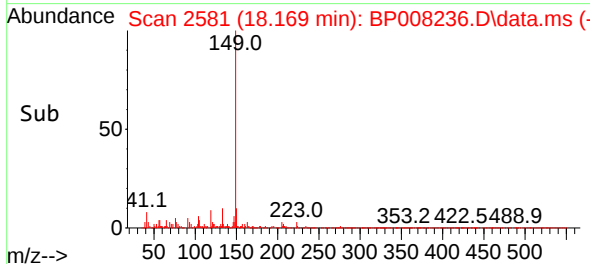
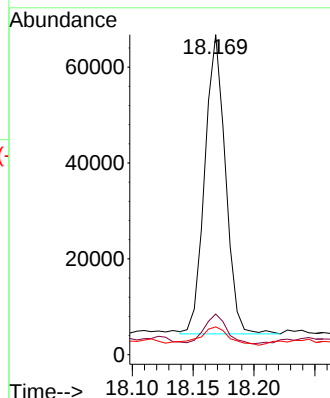
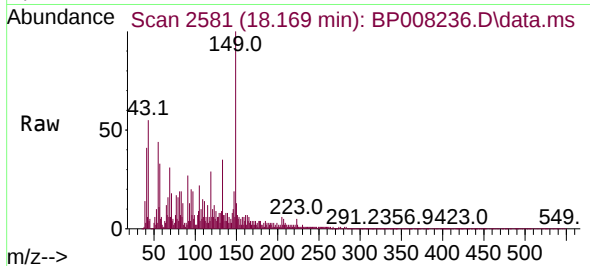




#74
Di-n-butylphthalate
Concen: 3.017 ng
RT: 18.169 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

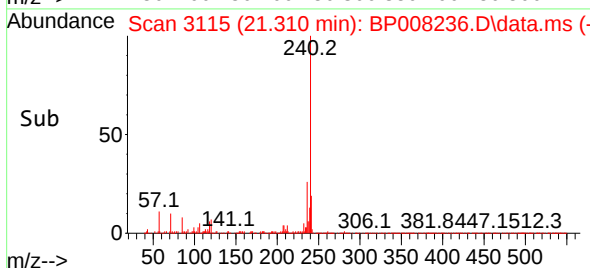
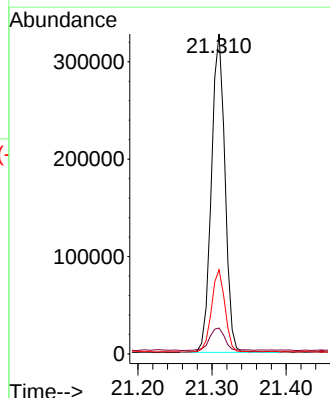
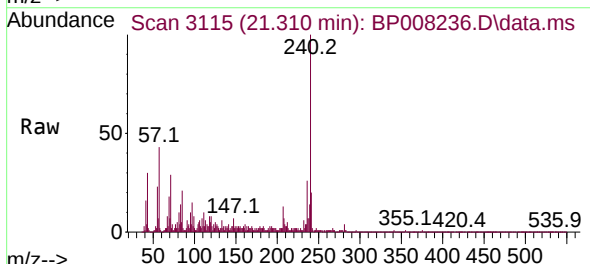
Instrument :
BNA_P
ClientSampleId :
DRUM1-2

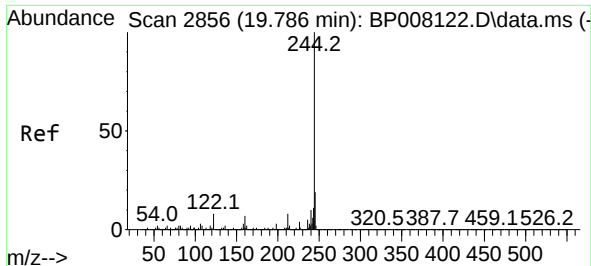
Tgt Ion:149 Resp: 73396
Ion Ratio Lower Upper
149 100
150 12.7 7.4 11.2#
104 8.7 4.4 6.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.310 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BP008236.D
Acq: 06 Dec 2021 19:18

Tgt Ion:240 Resp: 415098
Ion Ratio Lower Upper
240 100
120 8.1 7.3 10.9
236 26.3 21.4 32.2

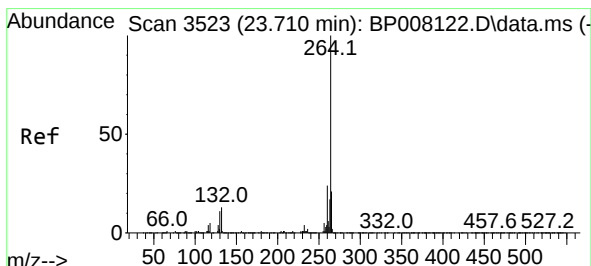
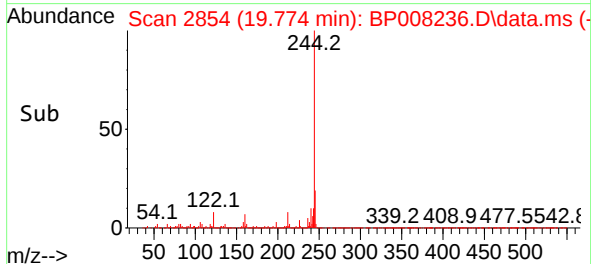
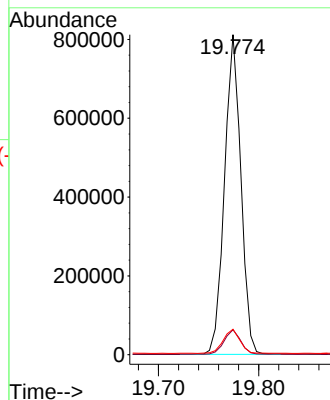
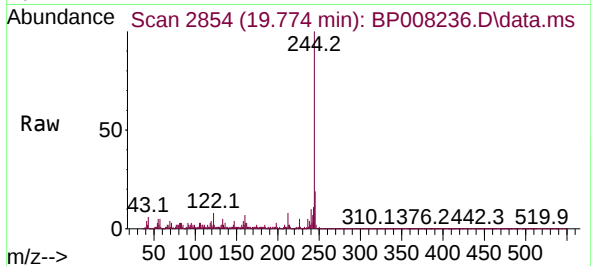




#79
 Terphenyl-d14
 Concen: 46.097 ng
 RT: 19.774 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP008236.D
 Acq: 06 Dec 2021 19:18

Instrument :
 BNA_P
 ClientSampleId :
 DRUM1-2

Tgt Ion:244	Resp:	915573	
Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	8.0	6.6	9.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.709 min Scan# 3523
 Delta R.T. -0.006 min
 Lab File: BP008236.D
 Acq: 06 Dec 2021 19:18

Tgt	Ion:264	Resp:	464383
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	22.0	17.6	26.4

