

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
 Data File : BP007953.D
 Acq On : 11 Nov 2021 19:30
 Operator : CG/JU
 Sample : M4630-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-13N-25.5-26

Quant Time: Nov 12 00:30:05 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 11 13:53:53 2021
 Response via : Initial Calibration

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

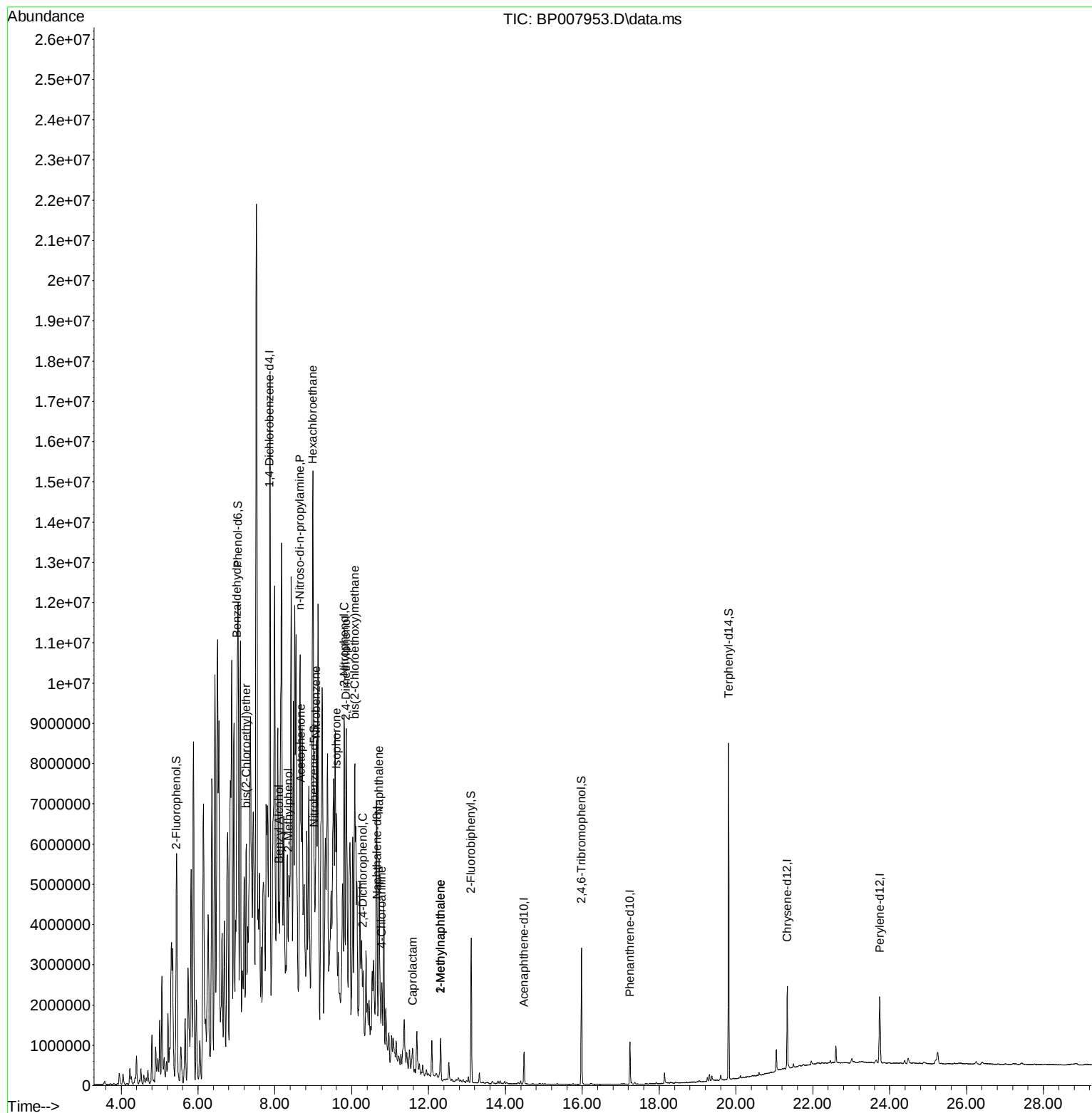
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	98328	20.00	ng	0.01
21) Naphthalene-d8	10.663	136	383396	20.00	ng	# 0.01
39) Acenaphthene-d10	14.486	164	273585	20.00	ng	0.00
64) Phenanthrene-d10	17.239	188	636724	20.00	ng	# 0.00
76) Chrysene-d12	21.333	240	992359	20.00	ng	# 0.00
86) Perylene-d12	23.739	264	1277668	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	871333	150.29	ng	0.00
7) Phenol-d6	7.034	99	940288	112.05	ng	0.00
23) Nitrobenzene-d5	9.022	82	979435	137.23	ng	0.01
42) 2,4,6-Tribromophenol	15.980	330	722865	185.14	ng	0.00
45) 2-Fluorobiphenyl	13.110	172	1833470	97.59	ng	0.00
79) Terphenyl-d14	19.810	244	3956254	81.18	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.311	88	336	Below Cal	#	1
9) Benzaldehyde	7.016	77	133759	29.31	ng	# 1
11) bis(2-Chloroethyl)ether	7.252	93	33558	5.25	ng	# 1
15) Benzyl Alcohol	8.104	79	56774	8.94	ng	# 64
17) 2-Methylphenol	8.357	107	12552	2.27	ng	# 1
18) Hexachloroethane	8.981	117	862766	343.63	ng	# 1
19) n-Nitroso-di-n-propyla...	8.657	70	355141	69.15	ng	# 55
22) Acetophenone	8.681	105	1517138	157.05	ng	# 57
24) Nitrobenzene	9.069	77	165196	24.32	ng	# 51
25) Isophorone	9.598	82	526958	40.63	ng	# 1
26) 2-Nitrophenol	9.810	139	49400	14.36	ng	# 1
27) 2,4-Dimethylphenol	9.851	122	13116	2.48	ng	# 33
28) bis(2-Chloroethoxy)met...	10.081	93	64812	7.57	ng	# 1
29) 2,4-Dichlorophenol	10.293	162	23660	3.72	ng	# 27
31) Naphthalene	10.710	128	2965135	152.89	ng	97
33) 4-Chloroaniline	10.775	127	25737	3.01	ng	# 1
35) Caprolactam	11.587	113	10184	4.59	ng	# 1
37) 2-Methylnaphthalene	12.310	142	438637	30.66	ng	97
38) 1-Methylnaphthalene	12.310	142	437195	31.19	ng	98

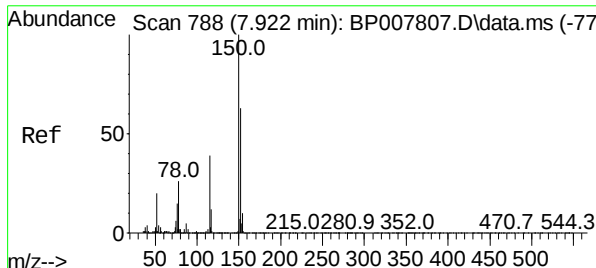
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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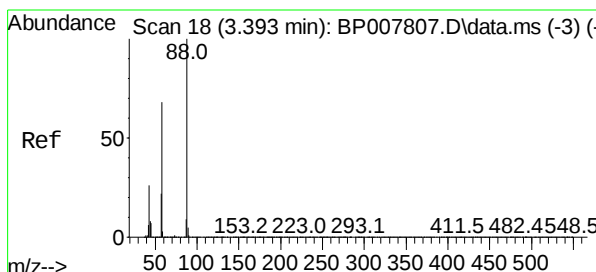
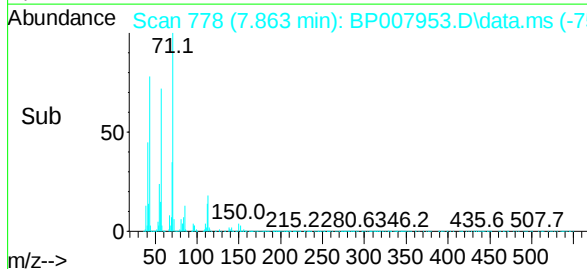
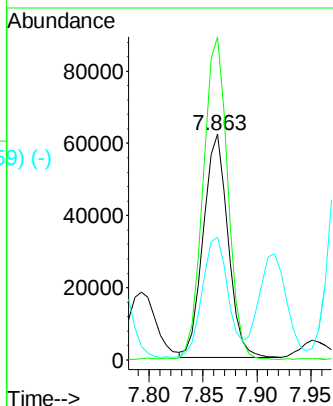
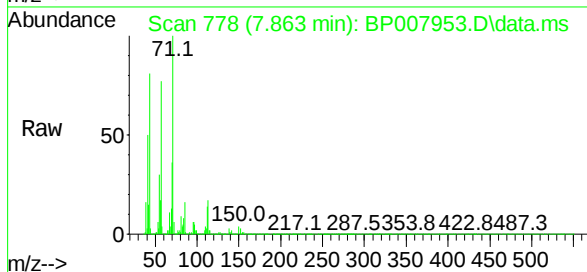




1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.863 min Scan#
 Delta R.T. 0.011 min
 Lab File: BP007953.D
 Acq: 11 Nov 2021 19:30

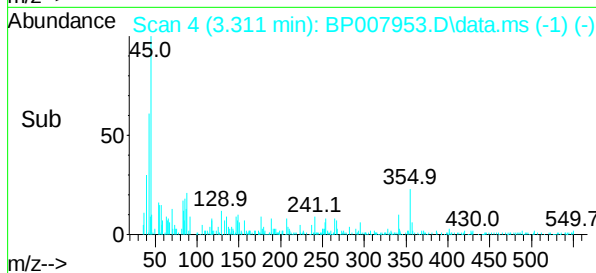
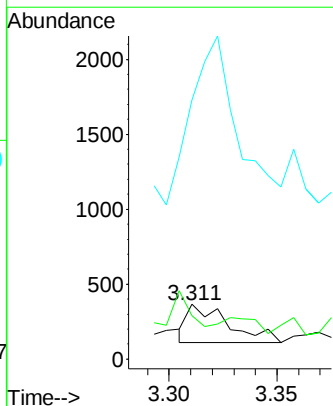
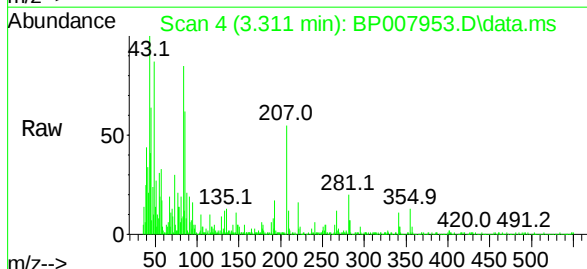
Instrument :
 BNA_P
 ClientSampleId :
 SB-13N-25.5-26

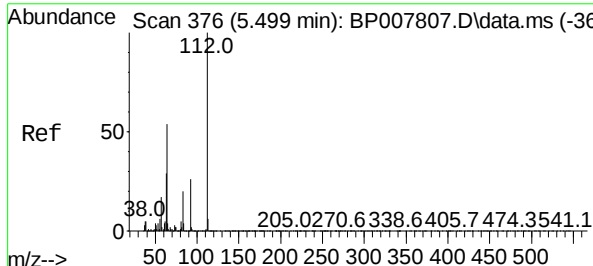
Tgt Ion:	152	Resp:	98328
Ion Ratio	Lower	Upper	
152	100		
150	143.1	124.1	186.1
115	54.3	48.1	72.1



1,4-Dioxane
 Concen: Below Cal
 RT: 3.311 min Scan# 4
 Delta R.T. -0.030 min
 Lab File: BP007953.D
 Acq: 11 Nov 2021 19:30

Tgt Ion:	88	Resp:	336
Ion Ratio	Lower	Upper	
88	100		
58	31.5	58.1	87.1#
43	356.0	22.2	33.4#





2-Fluorophenol

Concen: 150.29 ng

RT: 5.434 min Scan#

Delta R.T. -0.000 min

Lab File: BP007953.D

Acq: 11 Nov 2021 19:30

Instrument :

BNA_P

ClientSampleId :

SB-13N-25.5-26

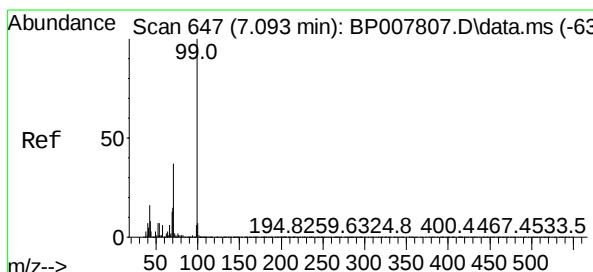
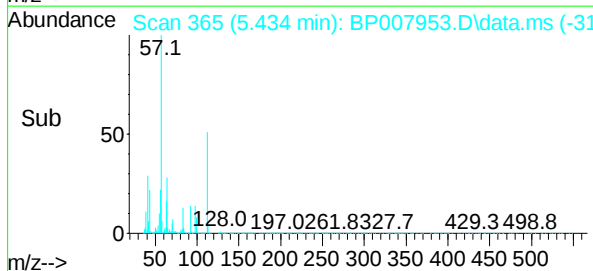
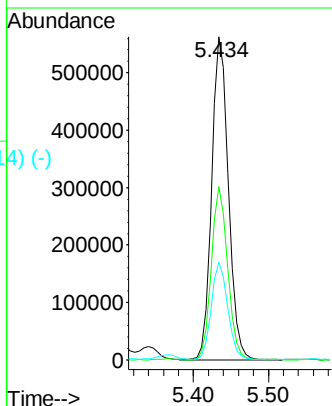
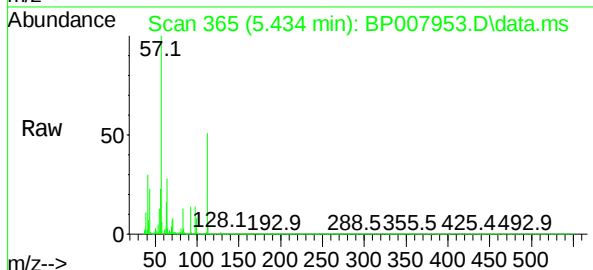
Tgt Ion:112 Resp: 871333

Ion Ratio Lower Upper

112 100

64 53.7 46.6 70.0

63 30.3 25.0 37.6



Phenol-d6

Concen: 112.05 ng

RT: 7.034 min Scan# 637

Delta R.T. 0.006 min

Lab File: BP007953.D

Acq: 11 Nov 2021 19:30

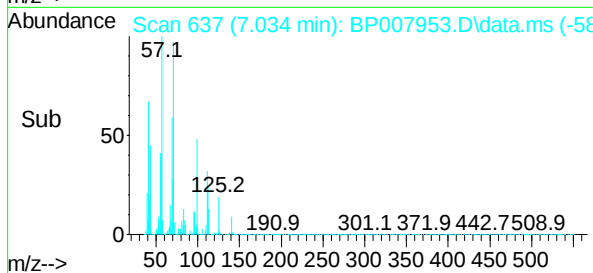
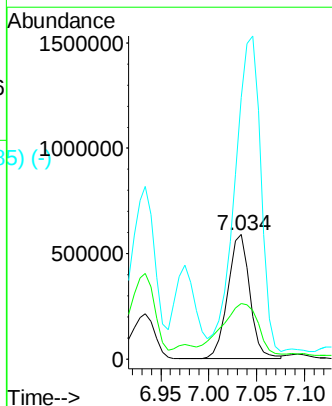
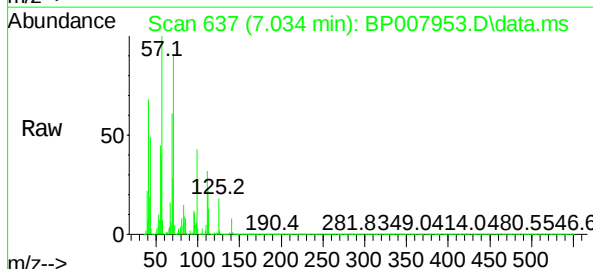
Tgt Ion: 99 Resp: 940288

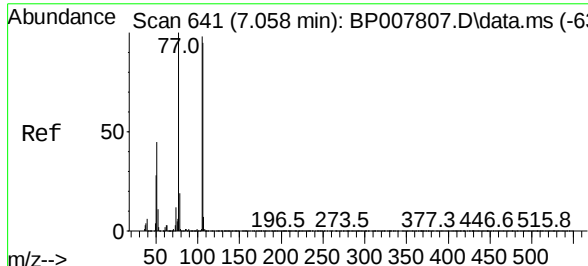
Ion Ratio Lower Upper

99 100

42 44.8 14.9 22.3#

71 210.1 29.2 43.8#





Benzaldehyde

Concen: 29.31 ng

RT: 7.016 min Scan#

Delta R.T. 0.023 min

Lab File: BP007953.D

Acq: 11 Nov 2021 19:30

Instrument :

BNA_P

ClientSampleId :

SB-13N-25.5-26

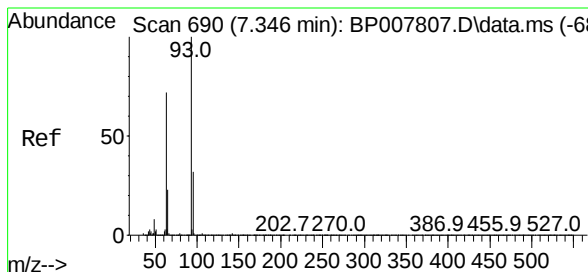
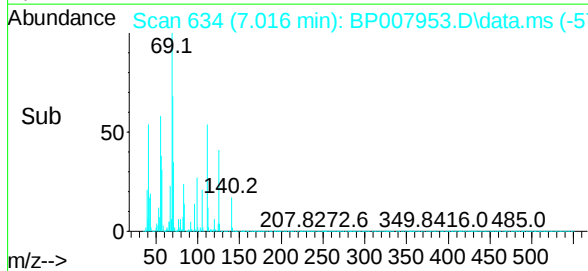
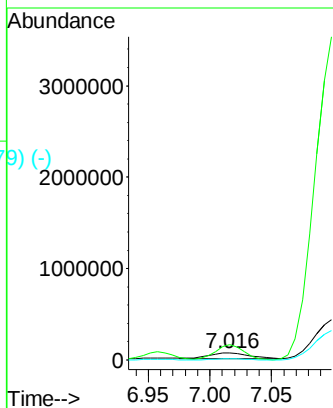
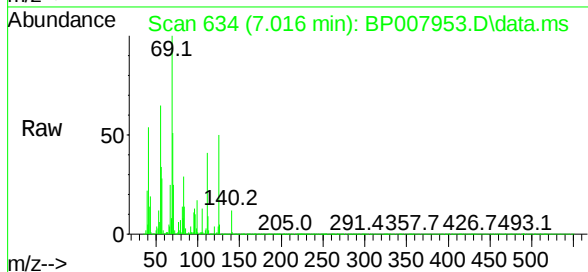
Tgt Ion: 77 Resp: 133759

Ion Ratio Lower Upper

77 100

105 222.5 77.5 117.5#

106 20.2 72.1 112.1#



bis(2-Chloroethyl)ether

Concen: 5.25 ng

RT: 7.252 min Scan# 674

Delta R.T. -0.030 min

Lab File: BP007953.D

Acq: 11 Nov 2021 19:30

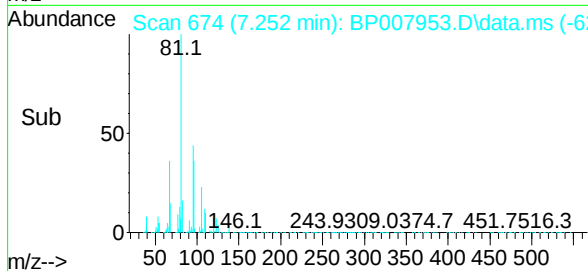
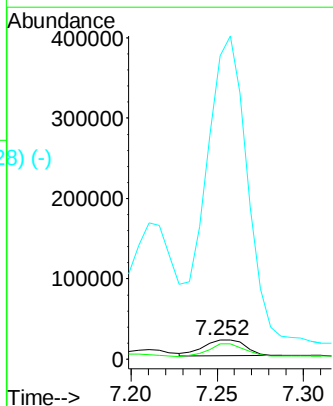
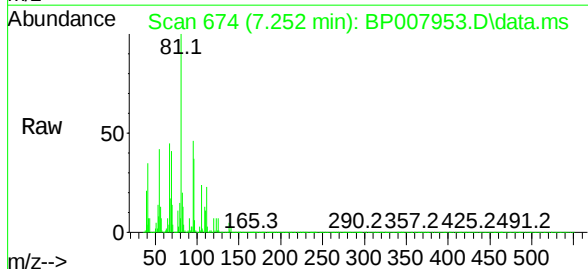
Tgt Ion: 93 Resp: 33558

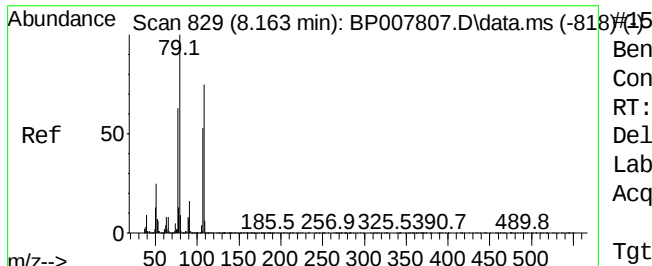
Ion Ratio Lower Upper

93 100

63 78.4 55.7 95.7

95 1564.5 12.7 52.7#





Benzyl Alcohol

Concen: 8.94 ng

RT: 8.104 min Scan# 815

Delta R.T. 0.006 min

Lab File: BP007953.D

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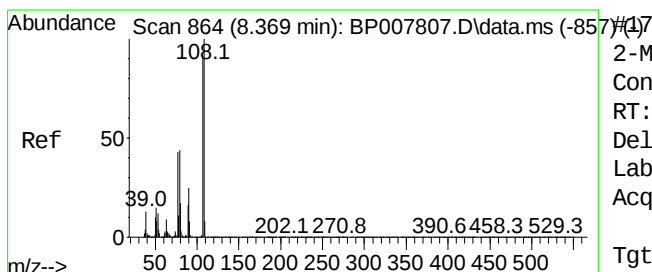
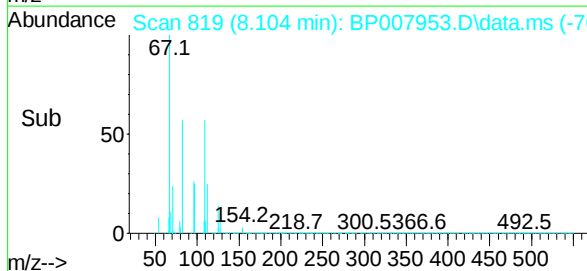
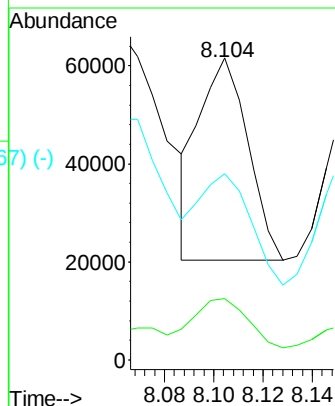
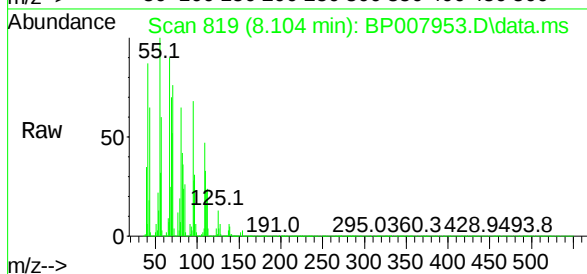
Tgt Ion: 79 Resp: 56774

Ion Ratio Lower Upper

79 100

108 20.4 59.9 89.9#

77 61.7 51.1 76.7



2-Methylphenol

Concen: 2.27 ng

RT: 8.357 min Scan# 862

Delta R.T. 0.053 min

Lab File: BP007953.D

Acq: 11 Nov 2021 19:30

Tgt Ion: 107 Resp: 12552

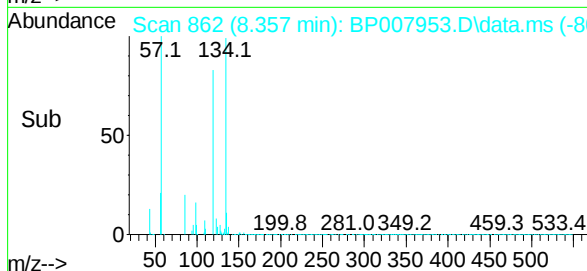
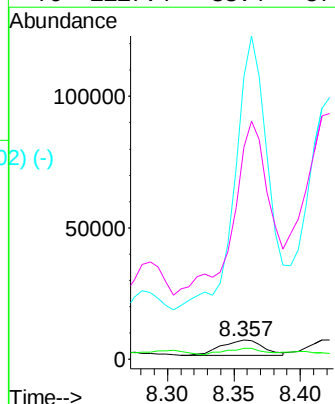
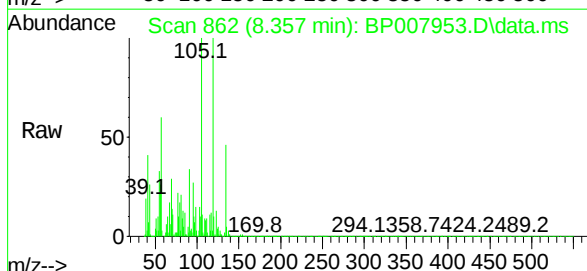
Ion Ratio Lower Upper

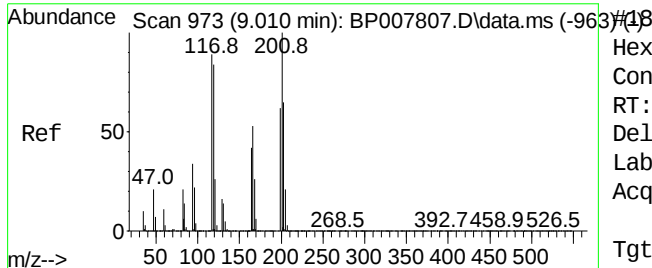
107 100

108 57.4 89.2 133.8#

77 1491.8 38.5 57.7#

79 1117.4 38.4 57.6#





Hexachloroethane

Concen: 343.63 ng

RT: 8.981 min Scan# 913

Delta R.T. 0.047 min

Lab File: BP007953.D

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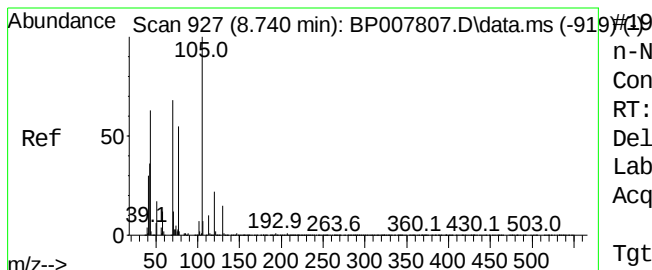
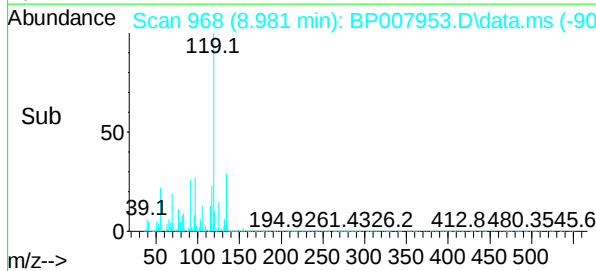
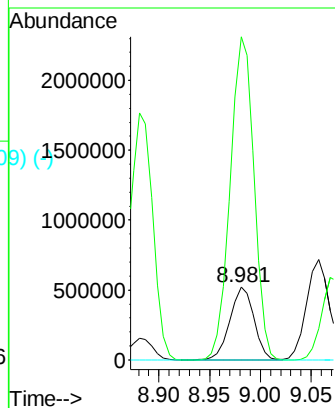
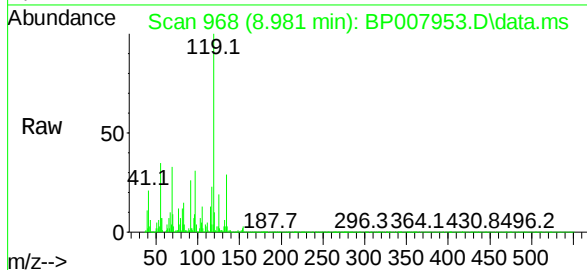
Tgt Ion:117 Resp: 862766

Ion Ratio Lower Upper

117 100

119 441.9 77.6 116.4#

201 0.0 82.9 124.3#



n-Nitroso-di-n-propylamine

Concen: 69.15 ng

RT: 8.657 min Scan# 913

Delta R.T. -0.006 min

Lab File: BP007953.D

Acq: 11 Nov 2021 19:30

Tgt Ion: 70 Resp: 355141

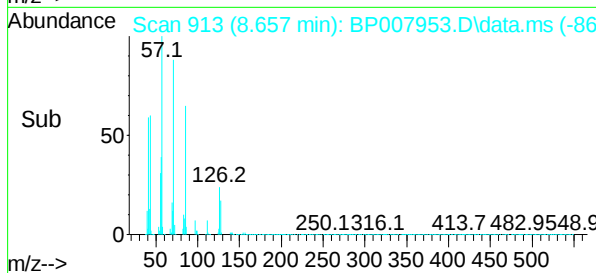
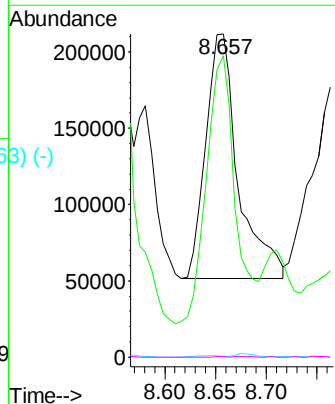
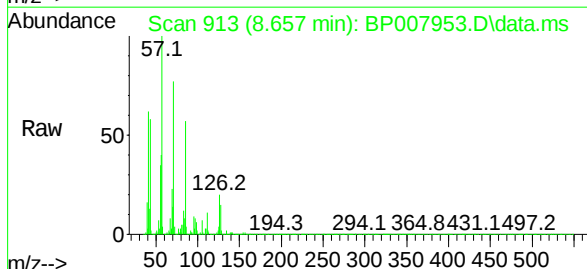
Ion Ratio Lower Upper

70 100

42 93.3 46.2 69.2#

101 0.2 7.7 11.5#

130 0.1 16.2 24.4#



Abundance Scan 1265 (10.728 min): BP007807.D\data.ms (-127) (-)

Naphthalene-d8

Concen: 20.00 ng

RT: 10.663 min Scan# 1265

Delta R.T. 0.012 min

Lab File: BP007953.D

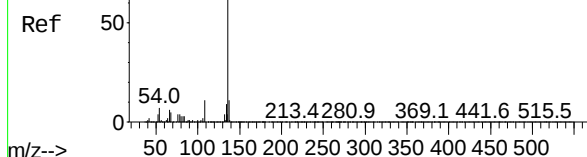
Acq: 11 Nov 2021 19:30

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SB-13N-25.5-26



Tgt Ion:136 Resp: 383396

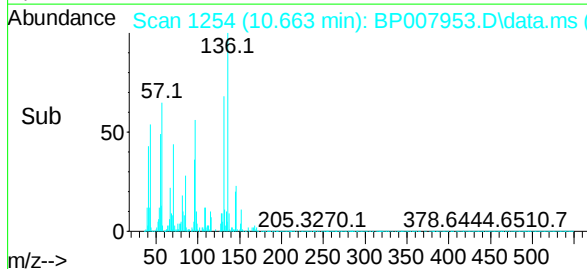
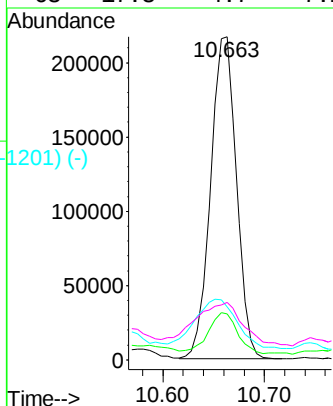
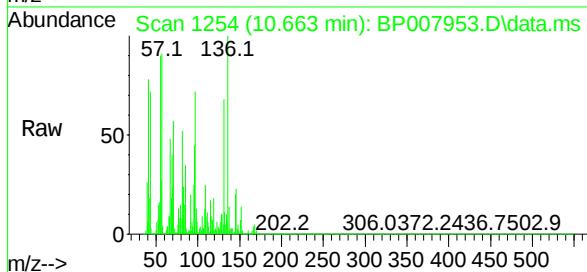
Ion Ratio Lower Upper

136 100

137 14.2 8.6 13.0#

54 16.5 6.2 9.4#

68 17.8 4.7 7.1#



Abundance Scan 928 (8.746 min): BP007807.D\data.ms (-914) (-)

Acetophenone

Concen: 157.05 ng

RT: 8.681 min Scan# 917

Delta R.T. 0.006 min

Lab File: BP007953.D

Acq: 11 Nov 2021 19:30

Tgt Ion:105 Resp: 1517138

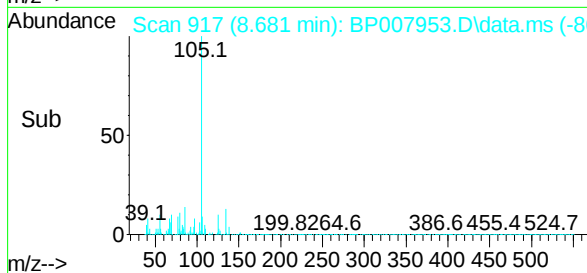
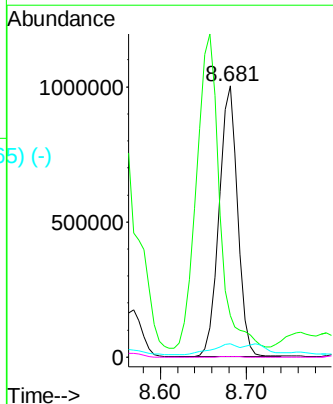
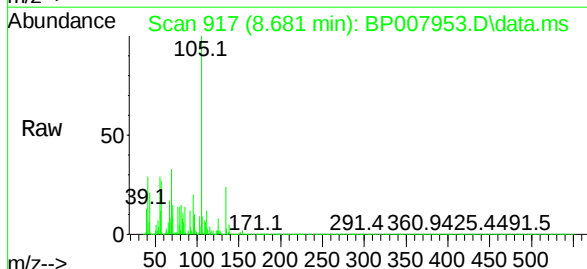
Ion Ratio Lower Upper

105 100

71 15.3 4.5 6.7#

51 4.9 21.8 32.8#

120 0.3 17.6 26.4#



Abundance Scan 986 (9.087 min): BP007807.D\data.ms (-978) #23

Nitrobenzene-d5

Concen: 137.23 ng

RT: 9.022 min Scan# 986

Delta R.T. 0.012 min

Lab File: BP007953.D

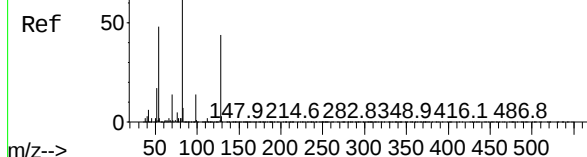
Acq: 11 Nov 2021 19:30

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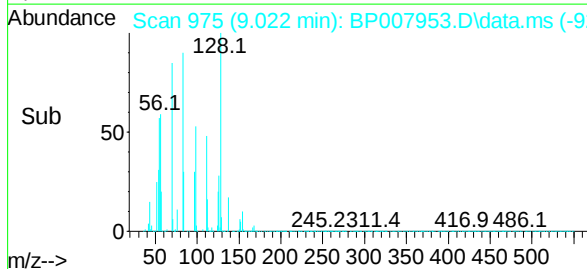
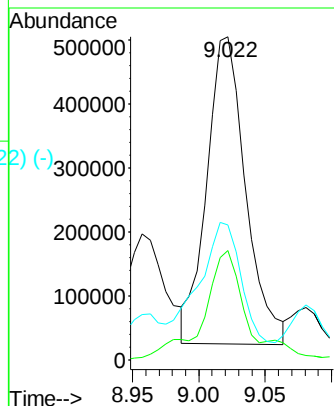
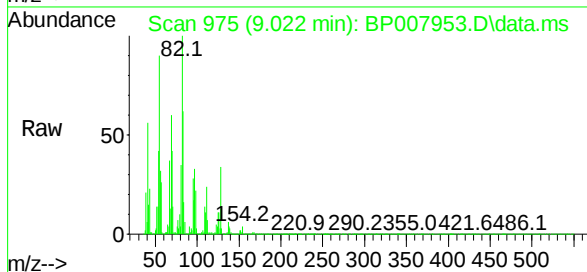
Tgt Ion: 82 Resp: 979435

Ion Ratio Lower Upper

82 100

128 33.8 32.6 48.8

54 41.8 40.4 60.6



Abundance Scan 993 (9.128 min): BP007807.D\data.ms (-977) #24

Nitrobenzene

Concen: 24.32 ng

RT: 9.069 min Scan# 983

Delta R.T. 0.017 min

Lab File: BP007953.D

Acq: 11 Nov 2021 19:30

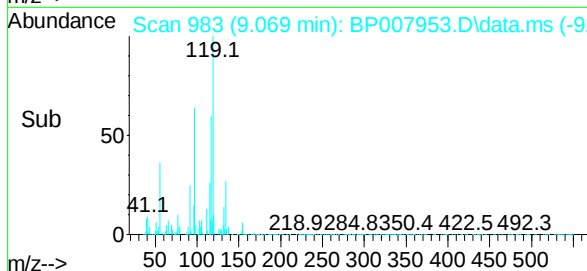
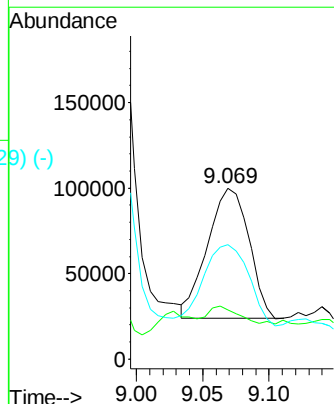
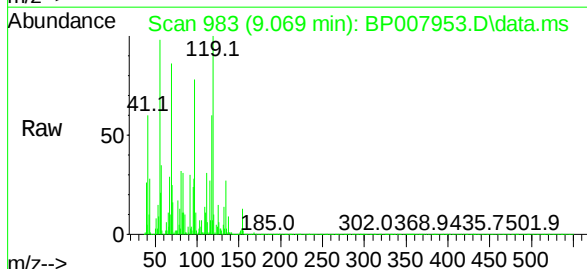
Tgt Ion: 77 Resp: 165196

Ion Ratio Lower Upper

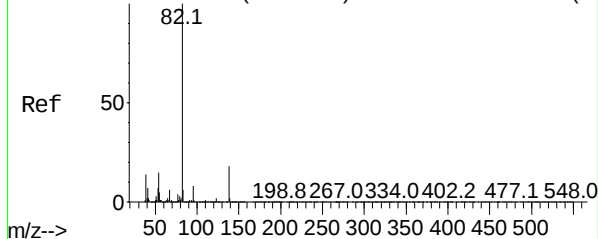
77 100

123 28.9 35.3 52.9#

65 67.0 10.9 16.3#



Abundance Scan 1083 (9.657 min): BP007807.D\data.ms (-1075)



Isophorone

Concen: 40.63 ng

RT: 9.598 min Scan# 1073

Delta R.T. 0.012 min

Lab File: BP007953.D

Acq: 11 Nov 2021 19:30

Instrument :

BNA_P

ClientSampleId :

SB-13N-25.5-26

Tgt Ion: 82 Resp: 526958

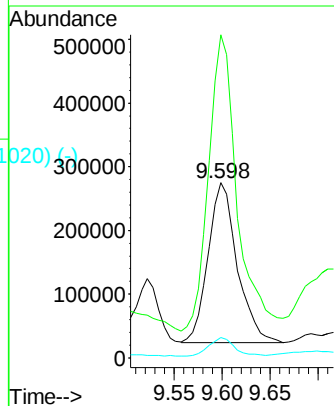
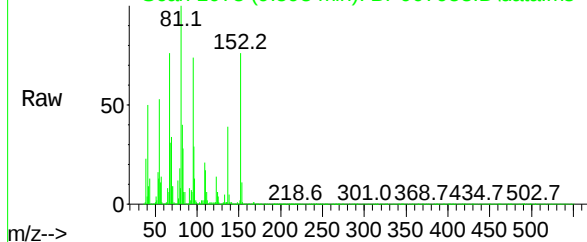
Ion Ratio Lower Upper

82 100

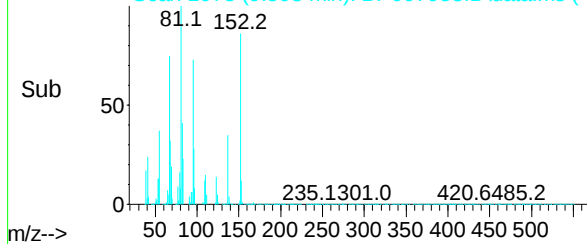
95 184.1 6.2 9.2#

138 11.6 14.0 21.0#

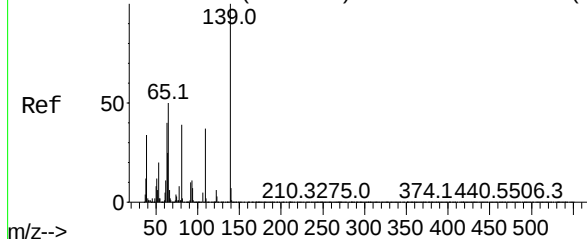
Abundance Scan 1073 (9.598 min): BP007953.D\data.ms



Abundance Scan 1073 (9.598 min): BP007953.D\data.ms (-1020)



Abundance Scan 1114 (9.840 min): BP007807.D\data.ms (-1109)



2-Nitrophenol

Concen: 14.36 ng

RT: 9.810 min Scan# 1109

Delta R.T. 0.047 min

Lab File: BP007953.D

Acq: 11 Nov 2021 19:30

Tgt Ion:139 Resp: 49400

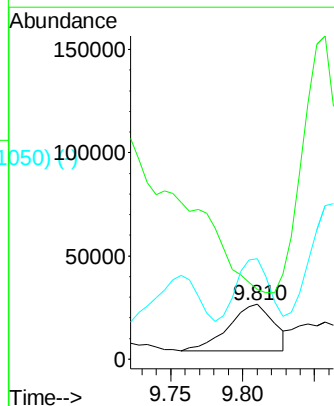
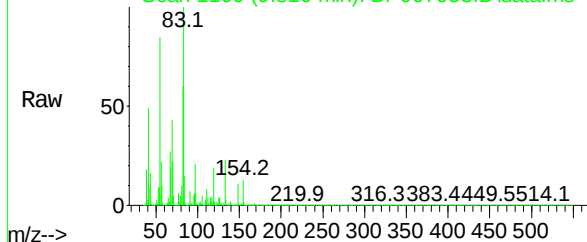
Ion Ratio Lower Upper

139 100

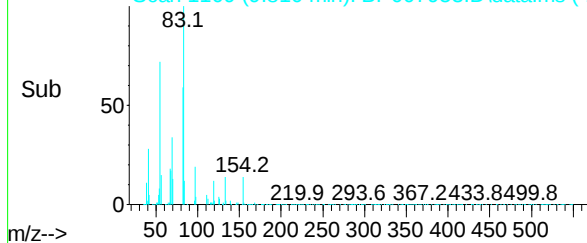
109 127.6 26.2 39.2#

65 183.9 40.3 60.5#

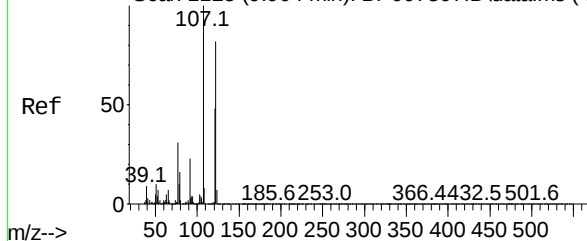
Abundance Scan 1109 (9.810 min): BP007953.D\data.ms



Abundance Scan 1109 (9.810 min): BP007953.D\data.ms (-1050)



Abundance Scan 1125 (9.904 min): BP007807.D\data.ms (-1127)



2,4-Dimethylphenol

Concen: 2.48 ng

RT: 9.851 min Scan# 1116

Delta R.T. 0.017 min

Lab File: BP007953.D

Acq: 11 Nov 2021 19:30

Instrument :

BNA_P

ClientSampleId :

SB-13N-25.5-26

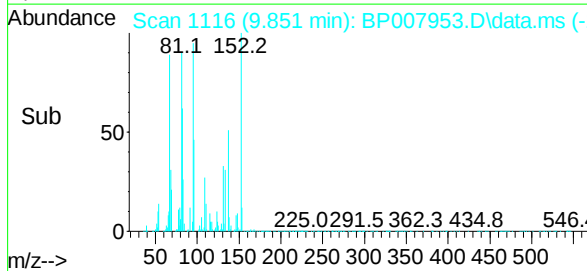
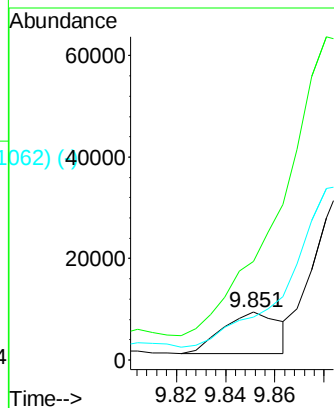
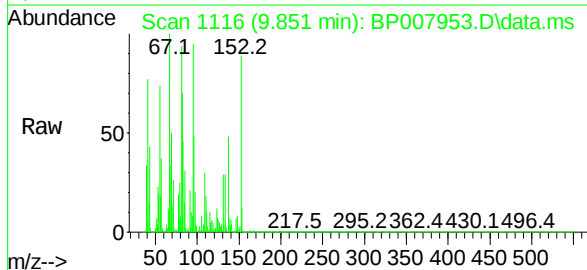
Tgt Ion:122 Resp: 13116

Ion Ratio Lower Upper

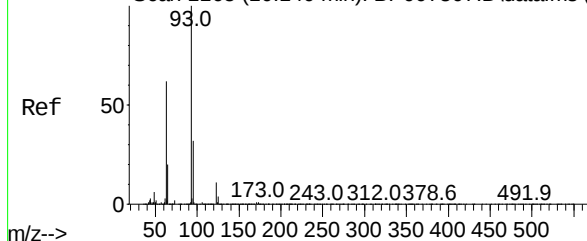
122 100

107 205.2 93.8 140.6#

121 88.9 47.0 70.4#



Abundance Scan 1165 (10.140 min): BP007807.D\data.ms (-1128)



bis(2-Chloroethoxy)methane

Concen: 7.57 ng

RT: 10.081 min Scan# 1155

Delta R.T. 0.017 min

Lab File: BP007953.D

Acq: 11 Nov 2021 19:30

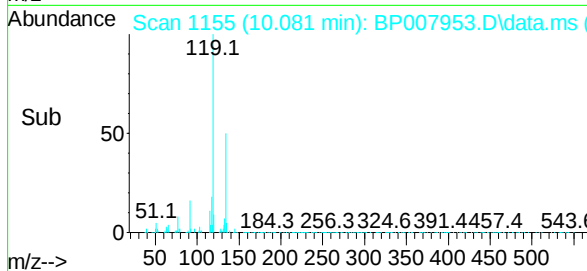
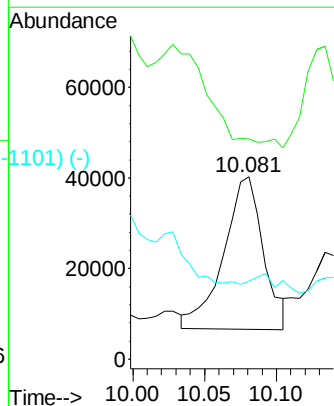
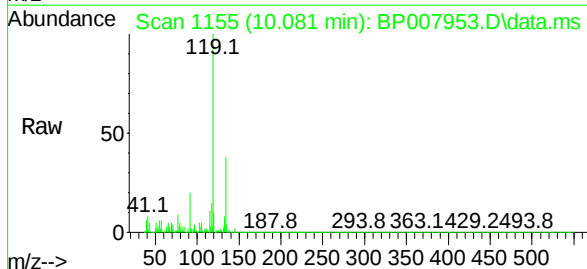
Tgt Ion: 93 Resp: 64812

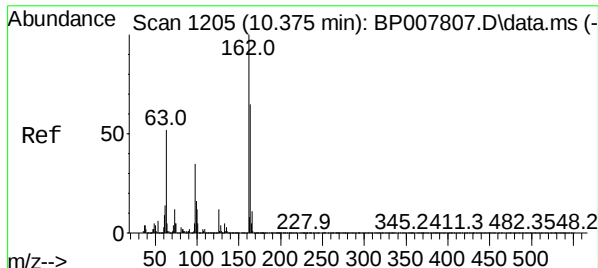
Ion Ratio Lower Upper

93 100

95 120.6 26.1 39.1#

123 42.7 8.5 12.7#

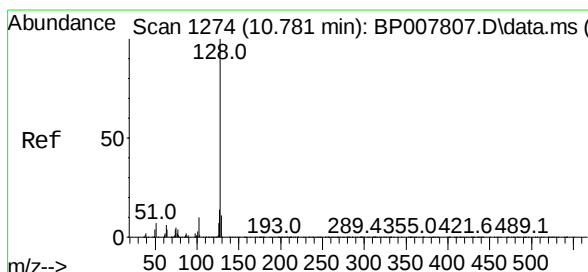
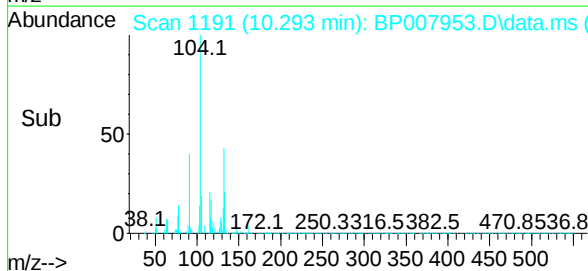
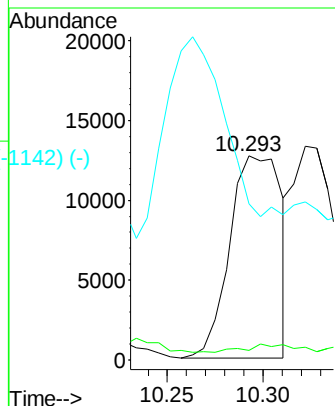
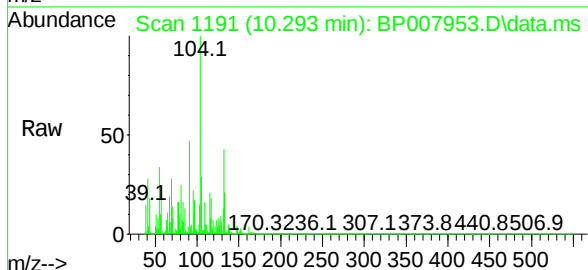




2,4-Dichlorophenol
Concen: 3.72 ng
RT: 10.293 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BP007953.D
Acq: 11 Nov 2021 19:30

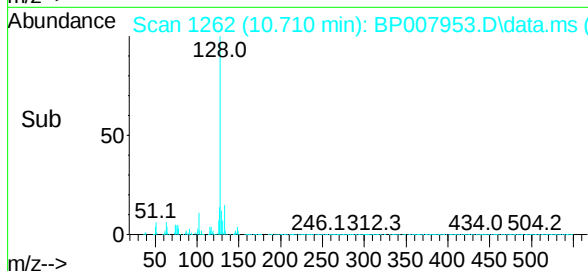
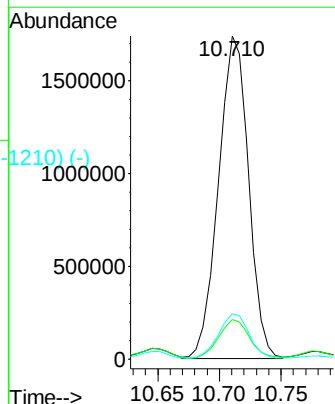
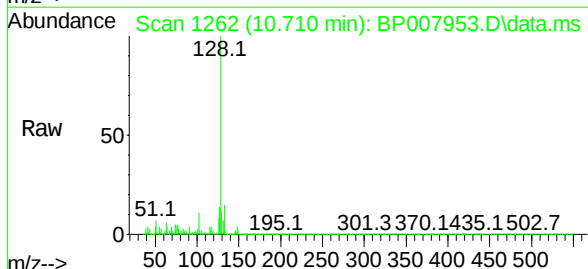
Instrument :
BNA_P
ClientSampleId :
SB-13N-25.5-26

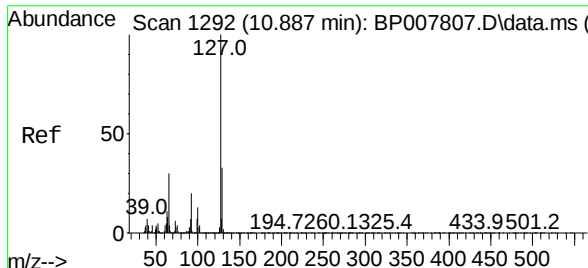
Tgt Ion:	162	Resp:	23660
Ion	Ratio	Lower	Upper
162	100		
164	4.8	44.0	84.0#
98	76.5	16.3	56.3#



Naphthalene
Concen: 152.89 ng
RT: 10.710 min Scan# 1262
Delta R.T. 0.006 min
Lab File: BP007953.D
Acq: 11 Nov 2021 19:30

Tgt Ion:	128	Resp:	2965135
Ion	Ratio	Lower	Upper
128	100		
129	12.2	8.9	13.3
127	14.1	10.2	15.4

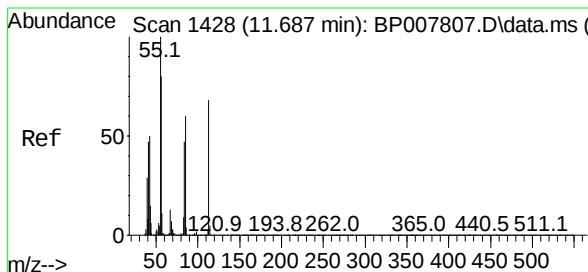
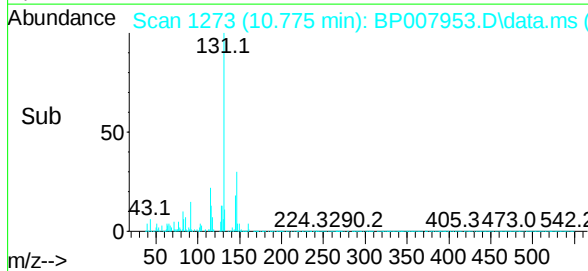
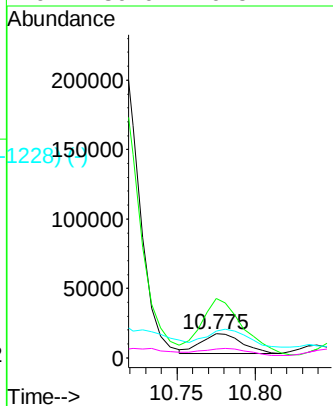
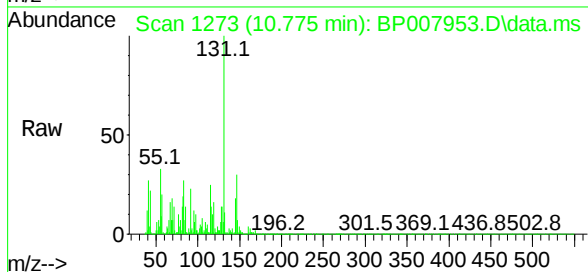




4-Chloroaniline
 Concen: 3.01 ng
 RT: 10.775 min Scan# 1281
 Delta R.T. -0.036 min
 Lab File: BP007953.D
 Acq: 11 Nov 2021 19:30

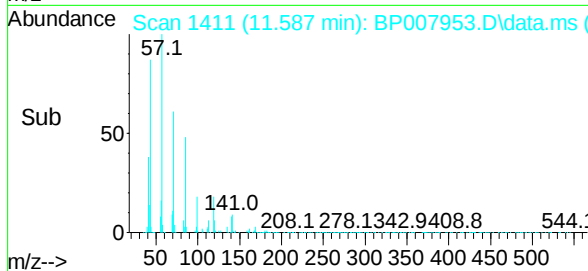
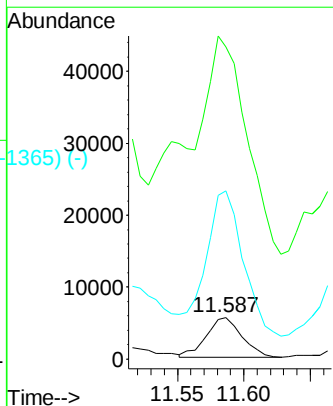
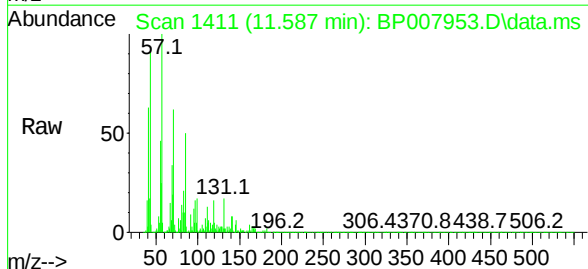
Instrument :
 BNA_P
 ClientSampleId :
 SB-13N-25.5-26

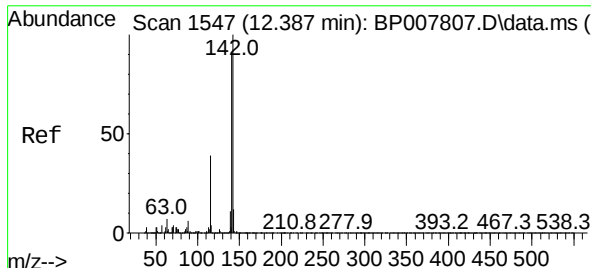
Tgt Ion:	127	Resp:	25737
Ion	Ratio	Lower	Upper
127	100		
129	243.6	25.1	37.7#
65	110.3	25.5	38.3#
92	36.6	16.5	24.7#



Caprolactam
 Concen: 4.59 ng
 RT: 11.587 min Scan# 1411
 Delta R.T. -0.030 min
 Lab File: BP007953.D
 Acq: 11 Nov 2021 19:30

Tgt Ion:	113	Resp:	10184
Ion	Ratio	Lower	Upper
113	100		
55	745.8	143.9	183.9#
56	402.1	101.6	141.6#

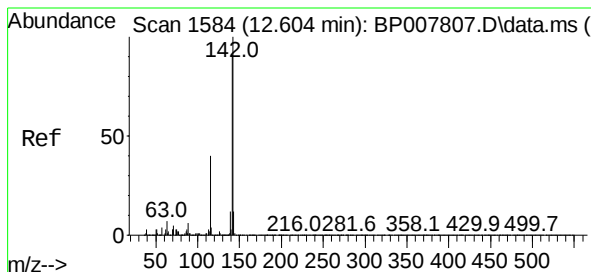
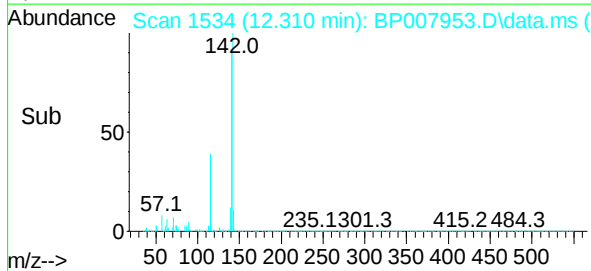
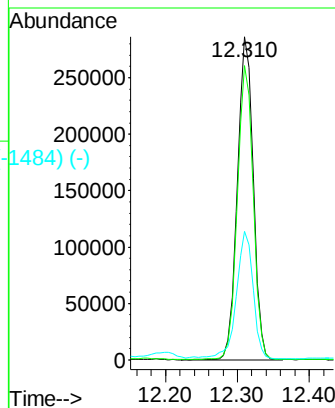
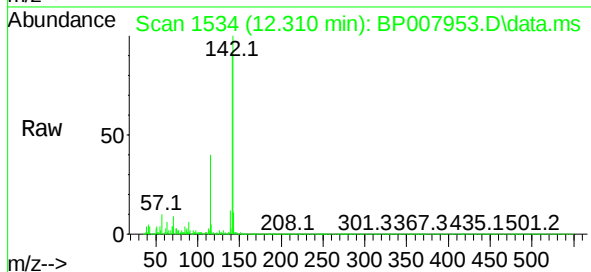




Scan 1547 (12.387 min): BP007807.D\data.ms (-1535) (-)
 2-Methylnaphthalene
 Concen: 30.66 ng
 RT: 12.310 min Scan# 1534
 Delta R.T. -0.006 min
 Lab File: BP007953.D
 Acq: 11 Nov 2021 19:30

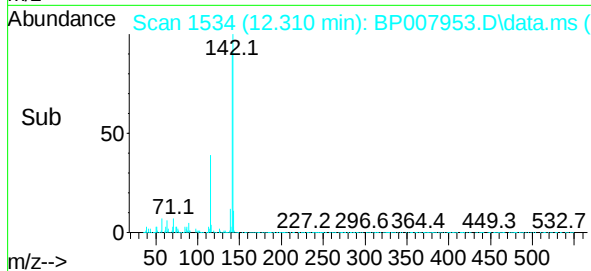
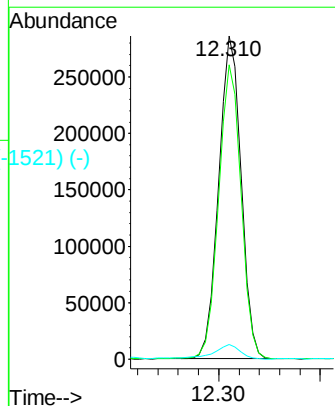
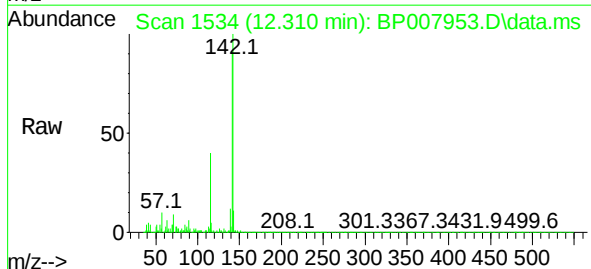
Instrument :
 BNA_P
 ClientSampleId :
 SB-13N-25.5-26

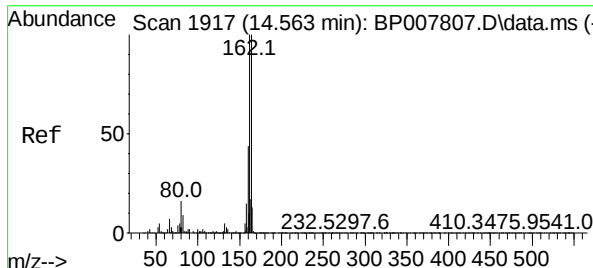
Tgt Ion:	142	Resp:	438637
Ion	Ratio	Lower	Upper
142	100		
141	91.0	71.4	107.0
115	39.8	29.5	44.3



Scan 1584 (12.604 min): BP007807.D\data.ms (-1538) (-)
 1-Methylnaphthalene
 Concen: 31.19 ng
 RT: 12.310 min Scan# 1534
 Delta R.T. -0.224 min
 Lab File: BP007953.D
 Acq: 11 Nov 2021 19:30

Tgt Ion:	142	Resp:	437195
Ion	Ratio	Lower	Upper
142	100		
141	91.0	74.4	111.6
116	4.6	3.4	5.0





Acenaphthene-d10

Concen: 20.00 ng

RT: 14.486 min Scan#

Delta R.T. -0.006 min

Lab File: BP007953.D

Acq: 11 Nov 2021 19:30

Instrument :

BNA_P

ClientSampleId :

SB-13N-25.5-26

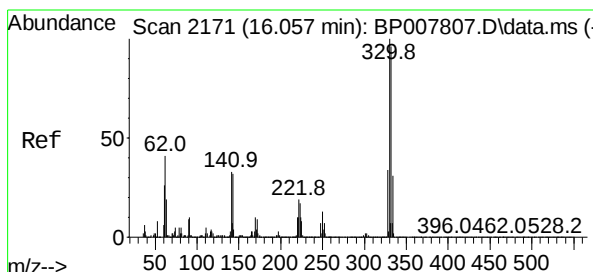
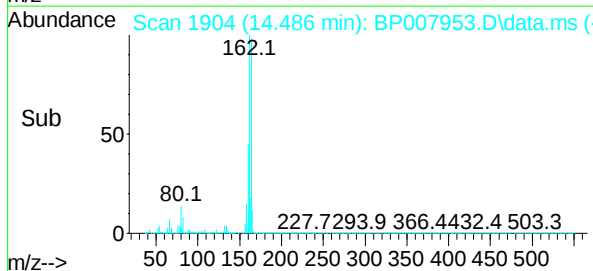
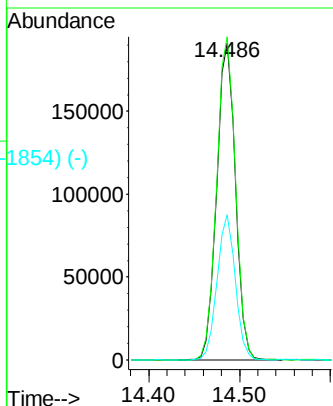
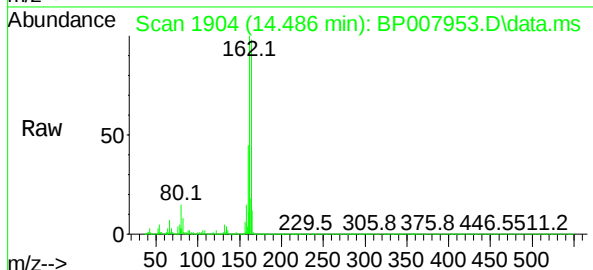
Tgt Ion:164 Resp: 273585

Ion Ratio Lower Upper

164 100

162 102.1 81.1 121.7

160 45.8 36.0 54.0



2,4,6-Tribromophenol

Concen: 185.14 ng

RT: 15.980 min Scan# 2158

Delta R.T. -0.006 min

Lab File: BP007953.D

Acq: 11 Nov 2021 19:30

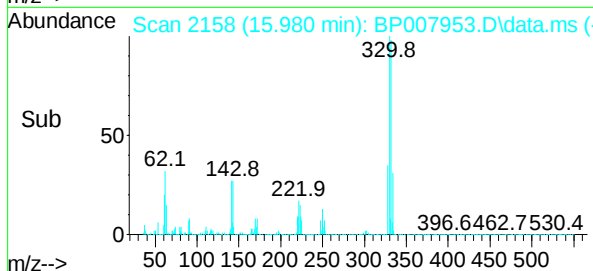
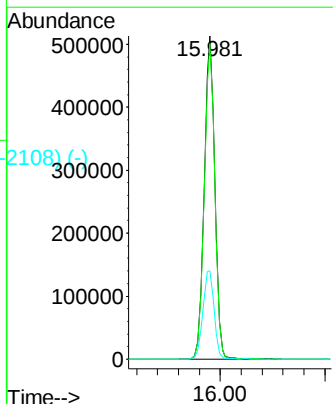
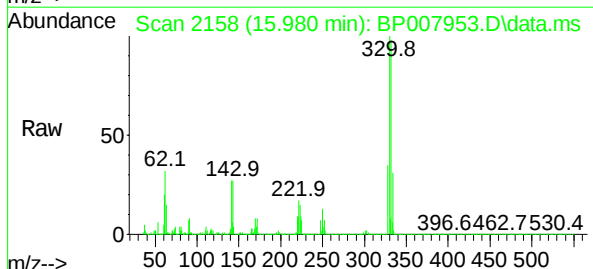
Tgt Ion:330 Resp: 722865

Ion Ratio Lower Upper

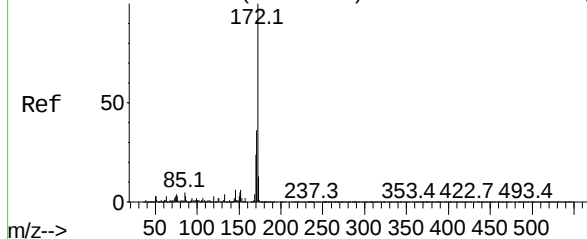
330 100

332 97.3 78.9 118.3

141 28.9 30.7 46.1#



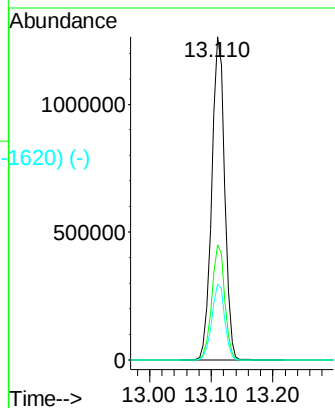
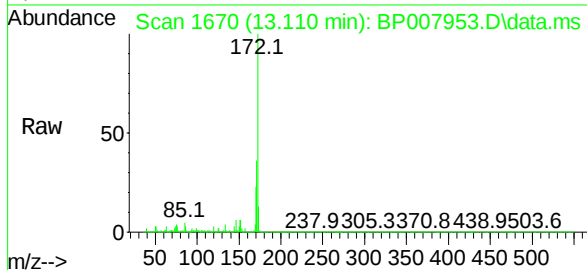
Abundance Scan 1684 (13.192 min): BP007807.D\data.ms (-16745) (-)



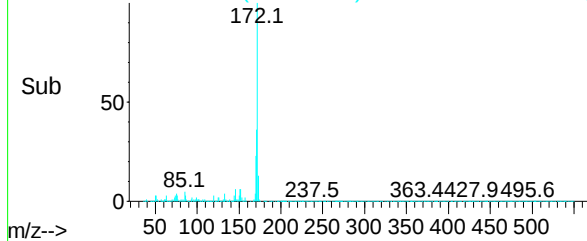
2-Fluorobiphenyl
Concen: 97.59 ng
RT: 13.110 min Scan# 16745
Delta R.T. -0.006 min
Lab File: BP007953.D
Acq: 11 Nov 2021 19:30

Instrument :
BNA_P
ClientSampleId :
SB-13N-25.5-26

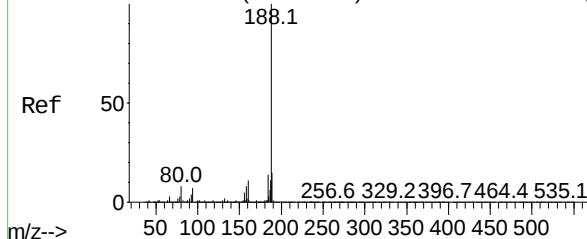
Tgt Ion:172 Resp: 1833470
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.2
170 23.5 19.0 28.4



Abundance Scan 1670 (13.110 min): BP007953.D\data.ms (-1620) (-)

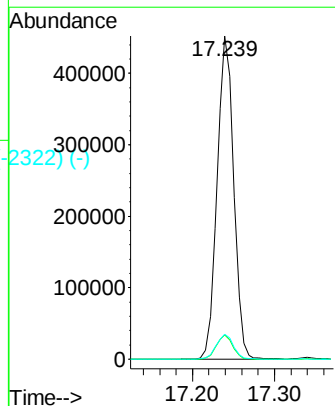
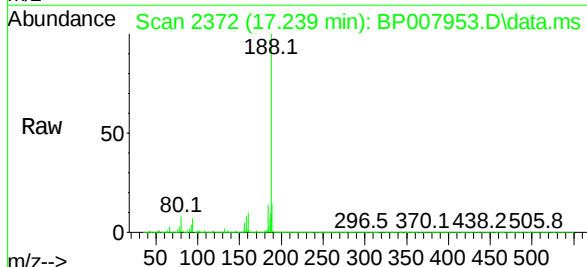


Abundance Scan 2386 (17.322 min): BP007807.D\data.ms (-2378) (-)

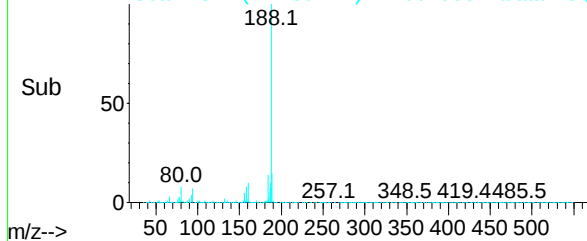


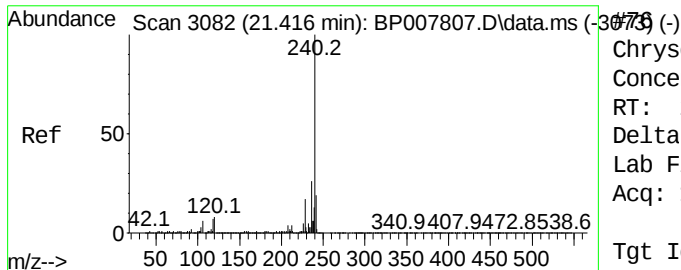
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.239 min Scan# 2372
Delta R.T. -0.006 min
Lab File: BP007953.D
Acq: 11 Nov 2021 19:30

Tgt Ion:188 Resp: 636724
Ion Ratio Lower Upper
188 100
94 7.4 7.1 10.7
80 7.7 7.8 11.6#



Abundance Scan 2372 (17.239 min): BP007953.D\data.ms (-2322) (-)





Chrysene-d12

Concen: 20.00 ng

RT: 21.333 min Scan# 3068

Delta R.T. -0.006 min

Lab File: BP007953.D

Acq: 11 Nov 2021 19:30

Instrument :

BNA_P

ClientSampleId :

SB-13N-25.5-26

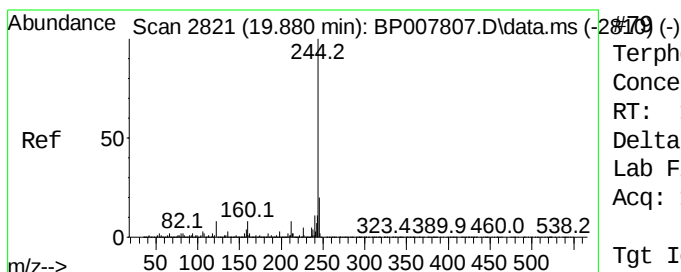
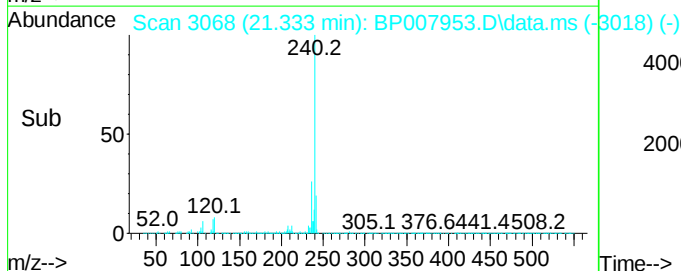
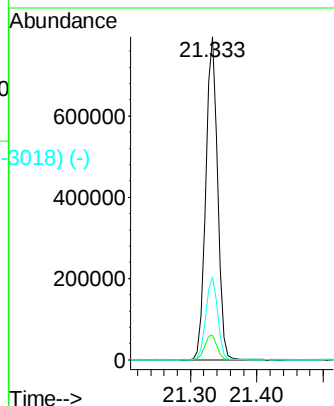
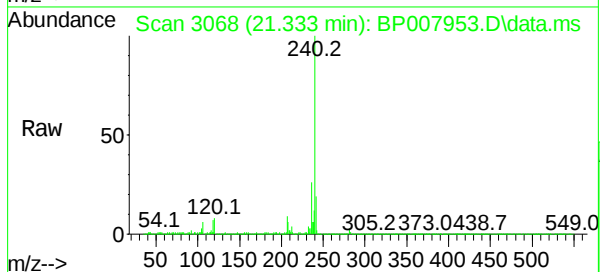
Tgt Ion:240 Resp: 992359

Ion Ratio Lower Upper

240 100

120 7.7 7.8 11.8#

236 25.6 20.6 30.8



Terphenyl-d14

Concen: 81.18 ng

RT: 19.810 min Scan# 2809

Delta R.T. -0.000 min

Lab File: BP007953.D

Acq: 11 Nov 2021 19:30

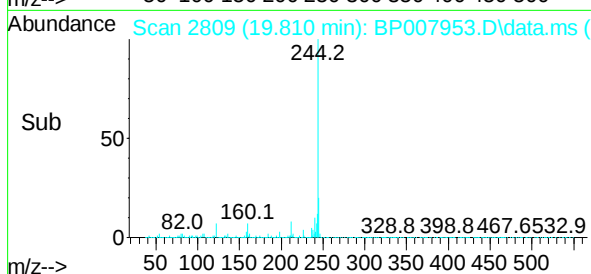
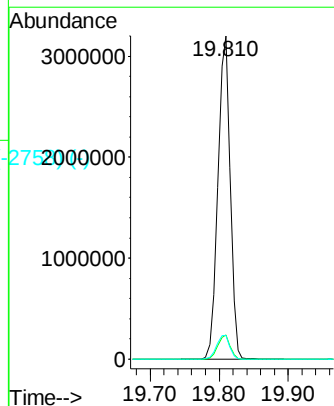
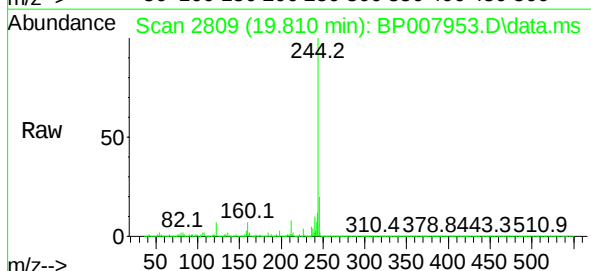
Tgt Ion:244 Resp: 3956254

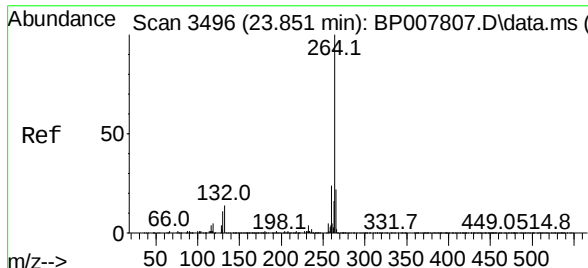
Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

122 7.3 7.8 11.8#





Perylene-d12
 Concen: 20.00 ng
 RT: 23.739 min Scan# 486
 Delta R.T. -0.012 min
 Lab File: BP007953.D
 Acq: 11 Nov 2021 19:30

Instrument :
 BNA_P
 ClientSampleId :
 SB-13N-25.5-26

Tgt Ion:264 Resp: 1277668

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	22.2	16.7	25.1

